

RF Exposure Report

Report No.: SA190502E01

FCC ID: 2ACDX-LRR25

Test Model: LRR-25

Received Date: May 02, 2019

Test Date: May 13, 2019

Issued Date: June 19, 2019

Applicant: MANDO corp.

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Issued By: Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch
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**FCC Registration /
Designation Number:** 723255 / TW2022

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Release Control Record

Issue No.	Description	Date Issued
SA190502E01	Original release.	June 19, 2019

1 Certificate of Conformity

Product: Advanced Smart Cruise Control System

Brand: Mando

Test Model: LRR-25

Sample Status: ENGINEERING SAMPLE

Applicant: MANDO corp.

Test Date: May 13, 2019

Standards: FCC Part 2 (Section 2.1091)

KDB 447498 D01 General RF Exposure Guidance v06

IEEE C95.1-1992

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 : Wendy Wu , **Date:** June 19, 2019
Wendy Wu / Specialist

Approved by : May Chen , **Date:** June 19, 2019
May Chen / 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				
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 80cm away from the body of the user. So, this device is classified as **Mobile Device**.

2.4 Antenna Gain

Antenna No.	Frequency range (GHz)	Antenna Net Gain (dBi)	Antenna Type	Connector Type
TX 1	76 ~ 77	21	Patch	micro strip line
TX 2	76 ~ 77	14	Patch	micro strip line

2.5 Calculation Result

Frequency (GHz)	Total EIRP Power (dBm) (Average)	Total EIRP Power (mW) (Average)	Distance (cm)	Power Density (mW/cm ²)	Limit (mW/cm ²)
76.5	48.50	70794.6	80	0.88026	1

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