RF Exposure Evaluation Report

Product Name : Wireless USB Dongle

Model No. : END988W

FCC ID : BCE-END988W

Applicant : GN Audio A/S

Address : Lautrupbjerg 7,DK-2750 Ballerup,Denmark.

Date of Receipt : Nov. 28, 2017

Date of Declaration : Jan. 03, 2018

Report No. : 17B0489R-SAUSP03V00

Issued Date: Jan. 03, 2018
Report No.: 17B0489R-SAUSP03V00

Product Name	Wireless USB Dongle
Applicant	GN Audio A/S
Address	Lautrupbjerg 7,DK-2750 Ballerup,Denmark.
Manufacturer	GN Audio A/S
Model No.	END988W
FCC ID.	BCE-END988W
EUT Rated Voltage	DC 5V
EUT Test Voltage	DC 5V
Trade Name	ALIENWARE
Applicable Standard	FCC 47 CFR 1.1307
Test Result	Complied

Documented By : Joanne Lin

(Senior Adm. Specialist / Joanne Lin)

Tested By : wen Lee

(Engineer / Wen Lee)

Approved By :

(Director / Vincent Lin)

1. GENERAL INFORMATION

1.1. EUT Description

Product Name	Wireless USB Dongle
Trade Name	ALIENWARE
Model No.	END988W
FCC ID.	BCE-END988W
Frequency Range	2403.35-2477.35MHz
Channel Number	38CH
Type of Modulation	π/4 DQPSK
Antenna Type	IFA Antenna
Antenna Gain	-2.81dBi

2. RF Exposure Evaluation

2.1. Standard Applicable

According to 1.1307 (b)(1), systems operating under the provisions of this section shall be operated in a manner that ensure that the public is not exposed to radio frequency energy level in excess of the Commission's guideline.

2.2. Measurement Result:

According to KDB Publication 447498 D01, section 4.3.1, per the calculations of item 1 (Power(mW)/separation (mm)*sqrt(f(GHz)≤3.0), SAR is required as shown in the table below where calculated values are greater than 3.0 :

1.) Operation frequency = 2450MHz and antenna separation distance = 5mm,
SAR Test Exclusion Threshold = 10mW

Frequency Band	Maximum output power		SAR Test Exclusion Threshold	Calculated Threshold Value (≦3.0 SAR is not required)
	(dBm)	(mW)	(mW)	
2441.35MHz	4.04	2.54	10	0.8

The SAR/MPE measurement is not necessary.