RF Exposure Report

Report No.:	SABHKO-WTW-P21110131
FCC ID:	2AUS4-NFF1
Test Model:	NF-F1
Received Date:	2021/11/3
Test Date:	2021/11/11 ~ 2021/11/27
Issued Date:	2021/12/15
Applicant:	Neatframe AS
Address:	Martin Linges vei 25 Fornebu 1364 Norway
Issued By:	Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch Lin Kou Laboratories
Lab Address:	No. 47-2, 14th Ling, Chia Pau Vil., Lin Kou Dist., New Taipei City, Taiwan
FCC Registration / Designation Number:	198487 / TW2021

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Release Control Record

Issue No.	Description	Date Issued
SABHKO-WTW-P21110131	Original release.	2021/12/15

1 Certificate of Conformity

Product:	Video conferencing device
Brand:	neat.
Test Model:	NF-F1
Sample Status:	Engineering sample
Applicant:	Neatframe AS
Test Date:	2021/11/11 ~ 2021/11/27
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 : Jessica Cheng , **Date:** 2021/12/15

Jessica Cheng / Senior Specialist

Approved by : Jeremy Lin , **Date:** 2021/12/15

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

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

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**.

2.4 Antenna Gain

Function	Antenna Type	Antenna Connector	Gain (dBi)		Remark
			Ant. 1	Ant. 2	
BT LE	PCB	ipex	3.21	3.36	Ant. 1 and Ant. 2 diversity
BT EDR	PCB	ipex	3.21	3.36	
WLAN 2.4GHz	PCB	ipex	3.21	3.36	-
WLAN 5GHz	PCB	ipex	4.45	4.39	-

Note: The above Antenna information is declared by manufacturer and for more detailed features description, please refer to the manufacturer's specifications, the laboratory shall not be held responsible.

2.5 Calculation Result Of Maximum Conducted Power

Function	Frequency Band (MHz)	Max AV Power (dBm)	Antenna Gain (dBi)	Distance (cm)	Power Density (mW/cm^2)	Limit (mW/cm^2)
WLAN	2412-2462	20.09	3.36	20	0.0440	1
WLAN	5180-5240	19.23	4.45	20	0.0464	1
WLAN	5260-5320	19.17	4.45	20	0.0458	1
WLAN	5500-5700	17.94	4.45	20	0.0345	1
WLAN	5745-5825	17.89	4.45	20	0.0341	1
BT LE	2402-2480	3.56	3.36	20	0.0010	1
BT EDR	2402-2480	3.54	3.36	20	0.0010	1

Note:
1. Determining compliance based on the results of the compliance measurement, not taking into account measurement instrumentation uncertainty.
2. WLAN 2.4GHz & WLAN 5GHz & Bluetooth technologies cannot transmit at same time.

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