

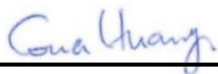
RF EXPOSURE EVALUATION REPORT

FCC ID : 2AUS4-NFL1
Equipment : Accessory for video conferencing device
Brand Name : neat.
Model Name : NF-L1
Applicant : Neatframe Limited
Cannon Green, 27 Bush Lane, London,
EC4R 0AA, United Kingdom
Manufacturer : Neatframe Limited
Cannon Green, 27 Bush Lane, London,
EC4R 0AA, United Kingdom
Standard : 47 CFR Part 2.1091

We, SPORTON INTERNATIONAL INC has been evaluated this product in accordance with 47 CFR Part2.1091 and it complies with applicable limit.

Sporton Lab is accredited to ISO 17025 by Taiwan Accreditation Foundation (TAF code: 1190) and the FCC designation No. TW1190 under the FCC 2.948(e) by Mutual Recognition Agreement (MRA) in FCC evaluation.

The results in this report apply exclusively to the tested model / sample. Without written approval of SPORTON INTERNATIONAL INC. Laboratory, the test report shall not be reproduced except in full.



Approved by: Cona Huang / Deputy Manager



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History of this test report

Report No.	Version	Description	Issued Date
FA371809	Rev. 01	Initial issue of report	Sep. 27, 2023

**1. Description of Equipment Under Test (EUT)**

Product Feature & Specification	
EUT Type	Accessory for video conferencing device
Brand Name	neat.
Model Name	NF-L1
FCC ID	2AUS4-NFL1
Wireless Technology and Frequency Range	WLAN 2.4 GHz Band: 2400 MHz ~ 2483.5 MHz WLAN 5.2 GHz Band: 5150 MHz ~ 5250 MHz WLAN 5.3 GHz Band: 5250 MHz ~ 5350 MHz WLAN 5.6 GHz Band: 5470 MHz ~ 5725 MHz WLAN 5.8 GHz Band: 5725 MHz ~ 5850 MHz WLAN 6E: 5925MHz ~ 6425MHz, 6425MHz ~ 6525 MHz, 6525MHz ~ 6875MHz, 6875MHz ~ 7125MHz Bluetooth: 2400 MHz ~ 2483.5 MHz
Mode	WLAN 11a/b/g/n HT20/HT40 WLAN 11ac VHT20/VHT40/VHT80/VHT160 WLAN 11ax HE20/HE40/HE80/HE160 Bluetooth BR/EDR/LE

Reviewed by: Jason Wang**Report Producer: Paula Chen****2. Maximum RF average output power among production units**

Band	Maximum Average Power (dBm)		
	Ant 1	Ant 2	Ant 1+2
2.4GHz WLAN	20.5	20	23.5
5GHz WLAN	17.5	17.5	20.5
6GHz WLAN	9.5	10	13
Bluetooth	4	3.5	-

3. RF Exposure Limit Introduction

According to ANSI/IEEE C95.1-1992, the criteria listed in Table 1 shall be used to evaluate the environmental impact of human exposure to radio frequency (RF) radiation as specified in §1.1310.

Frequency range (MHz)	Electric field strength (V/m)	Magnetic field strength (A/m)	Power density (mW/cm ²)	Averaging time (minutes)
(A) Limits for Occupational/Controlled Exposures				
0.3-3.0	614	1.63	*(100)	6
3.0-30	1842/f	4.89/f	*(900/f ²)	6
30-300	61.4	0.163	1.0	6
300-1500			f/300	6
1500-100,000			5	6
(B) 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

The MPE was calculated at 20 cm to show compliance with the power density limit.

The following formula was used to calculate the Power Density:

$$S = \frac{PG}{4\pi R^2}$$

Where:

S = Power Density

P = Output Power at Antenna Terminals

G = Gain of Transmit Antenna (linear gain)

R = Distance from Transmitting Antenna



4. Radio Frequency Radiation Exposure Evaluation

4.1. Standalone Power Density Calculation

Band	Antenna Gain (dBi)	Maximum Power (dBm)	Maximum EIRP (dBm)	Maximum EIRP (W)	Average EIRP (mW)	Power Density at 20cm (mW/cm ²)	Limit (mW/cm ²)	Power Density / Limit
WLAN2.4GHz Band Ant 1+2	4.0	23.5	27.5	0.56	562.34	0.112	1.000	0.112
WLAN5GHz Band Ant 1+2	4.0	20.5	24.5	0.28	281.84	0.056	1.000	0.056
WLAN6GHz Band Ant 1+2	4.0	13.0	17.0	0.05	50.12	0.010	1.000	0.010
Bluetooth Ant 1	4.0	4.0	8.0	0.01	6.31	0.001	1.000	0.001

4.2. Collocated Power Density Calculation

2.4GHz WLAN Ant 1+2 Power Density / Limit	5GHz WLAN Ant 1+2 Power Density / Limit	Σ (Power Density / Limit) of 2.4GHz WLAN+ 5GHz WLAN
0.112	0.056	0.168

2.4GHz WLAN Ant 1+2 Power Density / Limit	6GHz WLAN Ant 1+2 Power Density / Limit	Σ (Power Density / Limit) of 2.4GHz WLAN+ 6GHz WLAN
0.112	0.010	0.122

Note:

1. Σ (Power Density / Limit): This is a summation of [(power density for each transmitter/antenna included in the simultaneous transmission)/ (corresponding MPE limit)], for 2.4GHz WLAN + 5GHz WLAN/6GHz WLAN.
2. Considering the WLAN transmitter of the EIRP performance listed in the table above, the aggregated (power density /limit) is smaller than 1, and MPE of 2 collocated transmitters is compliant.

Conclusion:

According to 47 CFR §2.1091, the RF exposure analysis concludes that the RF Exposure is FCC compliant.