

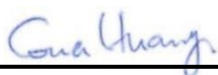
RF EXPOSURE EVALUATION REPORT

FCC ID : 2AEM4-NV01
Equipment : Wireless Router
Brand Name : eero
Model Name : NV01
Applicant : eero LLC
660 3rd St Fl 4, San Francisco,
California, 94107, United States
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: 3786) and the FCC designation No. TW3786 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
FA562407	Rev. 01	Initial issue of report	Sep. 09, 2025

1. Description of Equipment Under Test (EUT)

Product Feature & Specification	
EUT Type	Wireless Router
Brand Name	eero
Model Name	NV01
FCC ID	2AEM4-NV01
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 5.9 GHz Band: 5850 MHz ~ 5895 MHz WLAN 6 GHz Band: 5925 MHz ~ 6425 MHz, 6425 MHz~6525 MHz, 6525 MHz~6875 MHz, 6875 MHz~7125 MHz Bluetooth: 2400 MHz ~ 2483.5 MHz IEEE 802.15.4: 2405 MHz ~ 2480 MHz
Mode	WLAN: 802.11a/b/g/n/ac/ax/be HT20/HT40/VHT20/VHT40/VHT80/VHT160/HE20/HE40/HE80/HE160/EHT20/EHT40/EHT80/EHT160/EHT240/EHT320 Bluetooth LE IEEE 802.15.4: O-QPSK

Reviewed by: **Jason Wang**

Report Producer: **Daisy Peng**

2. Maximum RF average output power among production units

Band		Antenna Gain (dBi)	Maximum Power (dBm)
SISO	2.4GHz WLAN	4.10	24.00
	5.2GHz WLAN	2.30	24.00
	5.3GHz WLAN	3.40	23.90
	5.5GHz WLAN	4.30	23.90
	5.8GHz WLAN	3.82	24.00
	6GHz WLAN	4.96	25.00
MIMO	2.4GHz WLAN	2.25	28.00
	5.2GHz WLAN	1.39	27.00
	5.3GHz WLAN	1.77	23.90
	5.5GHz WLAN	2.01	23.90
	5.8GHz WLAN	1.74	27.00
	6GHz WLAN	3.85	26.00
Bluetooth LE		5.20	18.00
IEEE 802.15.4		5.20	19.50



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 PG (mW)	Power Density at 20cm (mW/cm ²)	Limit (mW/cm ²)	Power Density / Limit
SISO	2.4GHz WLAN	4.10	24.00	28.10	645.65	0.129	1.000	0.129
	5.2GHz WLAN	2.30	24.00	26.30	426.58	0.085	1.000	0.085
	5.3GHz WLAN	3.40	23.90	27.30	537.03	0.107	1.000	0.107
	5.5GHz WLAN	4.30	23.90	28.20	660.69	0.132	1.000	0.132
	5.8GHz WLAN	3.82	24.00	27.82	605.34	0.120	1.000	0.120
	6GHz WLAN	4.96	25.00	29.96	990.83	0.197	1.000	0.197
MIMO	2.4GHz WLAN	2.25	28.00	30.25	1059.25	0.211	1.000	0.211
	5.2GHz WLAN	1.39	27.00	28.39	690.24	0.137	1.000	0.137
	5.3GHz WLAN	1.77	23.90	25.67	368.98	0.073	1.000	0.073
	5.5GHz WLAN	2.01	23.90	25.91	389.94	0.078	1.000	0.078
	5.8GHz WLAN	1.74	27.00	28.74	748.17	0.149	1.000	0.149
	6GHz WLAN	3.85	26.00	29.85	966.05	0.192	1.000	0.192
Bluetooth		5.20	18.00	23.20	208.93	0.042	1.000	0.042
IEEE 802.15.4		5.20	19.50	24.70	295.12	0.059	1.000	0.059

4.2. Collocated Power Density Calculation

Bluetooth Power Density / Limit	WLAN 5/6GHz Power Density / Limit	Σ (Power Density / Limit) of Bluetooth + WLAN 5/6GHz
0.042	0.197	0.239

WLAN 2.4GHz Power Density / Limit	WLAN 5/6GHz Power Density / Limit	Σ (Power Density / Limit) of WLAN 2.4GHz + WLAN 5/6GHz
0.211	0.197	0.408

IEEE 802.15.4 Power Density / Limit	WLAN 5/6GHz Power Density / Limit	Σ (Power Density / Limit) of IEEE 802.15.4 + WLAN 5/6GHz
0.059	0.197	0.256

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)]
2. Based on the EIRP performance listed in the table above, the aggregated (power density/limit) is smaller than 1, and MPE of the 2 collocated transmitters is compliant.

Conclusion:

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