

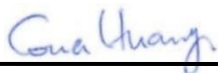
RF EXPOSURE EVALUATION REPORT

FCC ID : 2AEM4-71213573
Equipment : Wireless router/access point
Brand Name : eero
Model Name : S010001
Applicant : eero LLC
: 660 3rd Street, 4th Floor, San Francisco, CA 94107
Manufacturer : eero LLC
: 660 3rd Street, 4th Floor, San Francisco, CA 94107
Standard : 47 CFR Part 2.1091

We, SPORTON INTERNATIONAL INC has been evaluated this product in accordance with 47 CFR Part 2.1091 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



SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory
No. 52, Huaya 1st Rd., Guishan Dist., Taoyuan City, Taiwan (R.O.C.)



Table of Contents

1. DESCRIPTION OF EQUIPMENT UNDER TEST (EUT)	4
2. MAXIMUM RF AVERAGE OUTPUT POWER	4
3. RF EXPOSURE LIMIT INTRODUCTION	5
4. RADIO FREQUENCY RADIATION EXPOSURE EVALUATION	6
4.1. Standalone Power Density Calculation	6



History of this test report

Report No.	Version	Description	Issued Date
FA172723-04	Rev. 01	Initial issue of report	Feb. 22, 2024



1. Description of Equipment Under Test (EUT)

Product Feature & Specification	
EUT Type	Wireless router/access point
Brand Name	eero
Model Name	S010001
FCC ID	2AEM4-71213573
Wireless Technology and Frequency Range	WLAN 2.4GHz Band: 2400 MHz ~ 2483.5 MHz WLAN 5.2GHz Band: 5150 MHz ~ 5250 MHz WLAN 5.3GHz Band: 5250 MHz ~ 5350 MHz WLAN 5.5GHz Band: 5470 MHz ~ 5725 MHz WLAN 5.8GHz Band: 5725 MHz ~ 5885 MHz WLAN UNII-4: 5885 MHz ~ 5925 MHz WLAN 6E:6115 MHz~6425 MHz,6425MHz~6525 MHz,6525 MHz~6875 MHz,6875 MHz~7125 MHz Bluetooth: 2400 MHz ~ 2483.5 MHz ZigBee: 2405 MHz ~ 2475 MHz
Mode	WLAN: 802.11a/b/g/n/ac/ax HT20/HT40/VHT20/VHT40/VHT80/VHT160/HE20/HE40/HE80/HE160 Bluetooth LE ZigBee: BPSK
EUT Stage	Identical Prototype

Reviewed by: Jason Wang

Report Producer: Paula Chen

2. Maximum RF average output power

Band	Maximum Average Power (dBm)
Bluetooth	18.70
2.4GHz WLAN	29.96
5.2GHz WLAN	27.75
5.3GHz WLAN	22.25
5.5GHz WLAN	23.88
5.8GHz WLAN	29.97
5.9GHz WLAN	28.19
6GHz WLAN SISO	20.00
6GHz WLAN CDD	19.17
6GHz WLAN STBC	19.41
ZigBee	17.50



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 22 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 22cm (mW/cm ²)	Limit (mW/cm ²)
2.4GHz WLAN Band	4.85	29.96	34.81	3.03	3026.91	0.498	1.000
5.2GHz WLAN Band	5.71	27.75	33.46	2.22	2218.20	0.365	1.000
5.3GHz WLAN Band	5.71	22.25	22.86	0.63	625.17	0.103	1.000
5.5GHz WLAN Band	5.71	23.88	27.96	0.91	909.91	0.150	1.000
5.8GHz WLAN Band	5.71	29.97	22.95	3.70	3698.28	0.608	1.000
5.9GHz WLAN Band	5.40	28.19	29.59	2.29	2285.60	0.376	1.000
6GHz WLAN SISO	3.66	20.00	35.68	0.23	232.27	0.038	1.000
6GHz WLAN CDD	4.18	19.17	33.59	0.22	216.27	0.036	1.000
6GHz WLAN STBC	4.18	19.41	23.66	0.23	228.56	0.038	1.000
Bluetooth	3.24	18.70	23.35	0.16	156.31	0.026	1.000
ZigBee	3.24	17.50	23.59	0.12	118.58	0.020	1.000

Conclusion:

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