

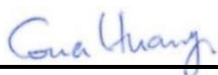
RF EXPOSURE EVALUATION REPORT

FCC ID : 2A4DH-7924
Equipment : Digital Media Receiver
Model Name : C79G24
Applicant : Amazon.com Services LLC
410 Terry Avenue N, Seattle, WA
98109-5210 United States
Standard : 47 CFR Part 2.1091
KDB 447498 D01v06

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
FA4O1402-01	Rev. 01	Initial issue of report	Oct. 09, 2025

1. Description of Equipment Under Test (EUT)

Product Feature & Specification	
EUT Type	Digital Media Receiver
Model Name	C79G24
FCC ID	2A4DH-7924
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 Bluetooth: 2400 MHz ~ 2483.5 MHz Zigbee: 2405 MHz ~ 2480 MHz
Mode	WLAN: 802.11a/b/g/n/ac/ax HT20/HT40/VHT20/VHT40/VHT80/HE20/HE40/HE80 Bluetooth BR/EDR/LE Zigbee: 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)
2.4GHz WLAN	2.0	19.23
5.2GHz WLAN	4.5	19.22
5.3GHz WLAN	4.5	19.04
5.5GHz WLAN	5.0	19.46
5.8GHz WLAN	6.0	19.06
Bluetooth	4.0	11.73
Zigbee	4.0	7.33

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
2.4GHz WLAN	2.00	19.23	21.23	132.74	0.026	1.000	0.026
5.2GHz WLAN	4.50	19.22	23.72	235.50	0.047	1.000	0.047
5.3GHz WLAN	4.50	19.04	23.54	225.94	0.045	1.000	0.045
5.5GHz WLAN	5.00	19.46	24.46	279.25	0.056	1.000	0.056
5.8GHz WLAN	6.00	19.06	25.06	320.63	0.064	1.000	0.064
Bluetooth	4.00	11.73	15.73	37.41	0.007	1.000	0.007
Zigbee	4.00	7.33	11.33	13.58	0.003	1.000	0.003

4.2. Collocated Power Density Calculation

Bluetooth Power Density / Limit	WLAN Power Density / Limit	Zigbee Power Density / Limit	Σ (Power Density / Limit) of Bluetooth + WLAN + Zigbee
0.007	0.064	0.003	0.074

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 3 collocated transmitters is compliant.

Conclusion:

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