

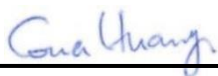
RF EXPOSURE EVALUATION REPORT

FCC ID : 2AWNP-AP24-48-77
Equipment : 5G Small cell
Brand Name : CELONA
Model Name : AP24-48|77|78H
Applicant : Celona Inc.,
900 East Hamilton Ave, Suite 200, Campbell, CA, 95008
Manufacturer : ASKEY COMPUTER CORPORATION
10F, No.119, Jiankang Rd., Zhonghe Dist., New Taipei City, Taiwan
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
FA581931	Rev. 01	Initial issue of report	Nov. 21, 2025

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

Product Feature & Specification	
EUT Type	5G Small cell
Brand Name	CELONA
Model Name	AP24-48 77 78H
FCC ID	2AWNP-AP24-48-77
Wireless Technology and Frequency Range	5G NR n48 : 3550 MHz ~ 3700 MHz 5G NR n77: 3700 MHz ~ 3980 MHz
Mode	QPSK/64QAM/256QAM

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

Mode		Maximum EIRP Power(dBm)
5G NR	n48	30.64
	n77	33.98

General Note:

The max EIRP power was according to RF report and using for RF exposure calculation

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

Band	Maximum EIRP (dBm)	Maximum EIRP (mW)	Power Density at 20cm (mW/cm ²)	Limit (mW/cm ²)
5G NR n48	30.64	1158.78	0.231	1.000
5G NR n77	33.98	2500.35	0.498	1.000

Conclusion:

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