



# FCC RF EXPOSURE REPORT

## FCC ID: 2BDS5MO2201WA

**Project No.** : 2311C081  
**Equipment** : WIRELESS DONGLE  
**Brand Name** : **NZXT**  
**Test Model** : MO-2201WA  
**Series Model** : N/A  
**Applicant** : NZXT Inc.  
**Address** : 605 Huntington Drive, Suite 213, Monrovia, CA 91016 USA  
**Manufacturer** : NZXT Inc.  
**Address** : 605 Huntington Drive, Suite 213, Monrovia, CA 91016 USA  
**Factory** : DongGuan City Heatmoving Electronic Technology Co., Ltd  
**Address** : JinYuling road #28, SangYuan village, DongCheng district, DONG GUAN  
City GUANGDONG 523127, CHINA  
**Date of Receipt** : Mar. 15, 2024  
**Date of Test** : Mar. 19, 2024 ~ Apr. 18, 2024  
**Issued Date** : May 21, 2024  
**Report Version** : R00  
**Test Sample** : Engineering Sample No.: DG20240315114  
**Standard(s)** : FCC Guidelines for Human Exposure IEEE C95.1 & KDB447498 D01

The above equipment has been tested and found compliance with the requirement of the relative standards by BTL Inc.

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**REPORT ISSUED HISTORY**

Report No.	Version	Description	Issued Date	Note
BTL-FCCP-2-2311C081	R00	Original Report.	May 21, 2024	Valid

## 1. GENERAL CONCLUSION

According to FCC KDB447498 D01, Appendix A, SAR Test Exclusion Thresholds for 100 MHz - 6 GHz and  $\leq 50$  mm, the 1-g and 10-g SAR test exclusion thresholds are determined by the following:

$$\left[ \frac{(\text{max. power of channel, including tune-up tolerance, mW})}{(\text{min. test separation distance, mm})} \right] \cdot [\sqrt{f(\text{GHz})}]$$
  
 $\leq 3.0$  for 1-g SAR, and  $\leq 7.5$  for 10-g extremity SAR, where

- $f(\text{GHz})$  is the RF channel transmit frequency in GHz
- Power and distance are rounded to the nearest mW and mm before calculation
- The result is rounded to one decimal place for comparison

Appendix A - SAR Test Exclusion Thresholds for 100 MHz - 6 GHz and $\leq 50$ mm											
MHz	5	10	15	20	25	30	35	40	45	50	mm
150	39	77	116	155	194	232	271	310	349	387	SAR Test Exclusion Thresholds (mW)
300	27	55	82	110	137	164	192	219	246	274	
450	22	45	67	89	112	134	157	179	201	224	
835	16	33	49	66	82	98	115	131	148	164	
900	16	32	47	63	79	95	111	126	142	158	
1500	12	24	37	49	61	73	86	98	110	122	
1900	11	22	33	44	54	65	76	87	98	109	
2450	10	19	29	38	48	57	67	77	86	96	
3600	8	16	24	32	40	47	55	63	71	79	
5200	7	13	20	26	33	39	46	53	59	66	
5400	6	13	19	26	32	39	45	52	58	65	
5800	6	12	19	25	31	37	44	50	56	62	

**2. TABLE FOR FILED ANTENNA**

Ant.	Brand	P/N	Antenna Type	Connector	Gain (dBi)
1	<b>ONEWAVE</b>	WAN8010F245H05	Chip	N/A	3.53

Note: The antenna gain is provided by the manufacturer.

**3. TEST RESULTS**

Frequency (MHz)	Max Output Power (dBm)	Max Output Power (mW)	Result	Limit
2402	0.63	1.156	0.358	3.0

Note:

(1) No SAR evaluation required since transmitter power is below FCC threshold.

**End of Test Report**