TEST REPORT

Product Name:	Mini PC
Trademark:	N/A
Model Number:	B4 Turbo, For other models, see section P2.1
Prepared For:	Creature Information(Guangzhou)Technology Co., Limited
Address:	No.123, Baishashui Road, Tianhe District, Guangzhou, China
Manufacturer:	Creature Information(Guangzhou)Technology Co., Limited
Address:	No.123, Baishashui Road, Tianhe District, Guangzhou, China
Prepared By:	Shenzhen CTB Testing Technology Co., Ltd.
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Sample Received Date:	Mar. 17, 2025
Sample tested Date:	Mar. 17, 2025 to Apr. 07, 2025
Issue Date:	Apr. 07, 2025
Report No.:	CTB25031709702RH01
Test Standards	EN IEC 62311:2020 EN 50665:2017
Test Results	PASS

Compiled by:	Reviewed by:	Approved by:
Zhou Kui	Arron Liu	Bin Mei / Director

Note: If there is any objection to the inspection results in this report, please submit a written report to the company within 15 days from the date of receiving the report. The test report is effective only with both signature and specialized stamp. This result(s) shown in this report refer only to the sample(s) tested. Without written approval of Shenzhen CTB Testing Technology Co., Ltd. this report can't be reproduced except in full. The tested sample(s) and the sample information are provided by the client. "*" indicates the testing items were fulfilled by subcontracted lab. "#" indicates the items are not in CNAS accreditation scope.

TABLE OF CONTENT

(Note: N/A means not applicable)

1. VERSION

Report No.	Issue Date	Description	Approved
CTB25031709702RH01	Apr. 7, 2025	Original	Valid

2. PRODUCT INFORMATION AND TEST SETUP

2.1 Product Information

Model(s):	B4 Turbo, MP01, MP02, MP03, MP05, B1, B1 A, B1 G, B1 J, B1 S, B1 Plus, B1 Pro, B1 Power, B1 Turbo, B1 Ultra, B1 Mini, B2, B2 A, B2 G, B2 J, B2 S, B2 Plus, B2 Pro, B2 Power, B2 Turbo, B2 Ultra, B2 Mini, B2N, B2N S, B2N Plus, B2N Pro, B2N Power, B2N Ultra, B3, B3 A, B3 G, B3 J, B3 S, B3 Plus, B3 Pro, B3 Power, B3 Turbo, B3 Ultra, B3 Mini, B3N, B3N S, B3N Plus, B3N Pro, B3N Power, B3N Ultra, B4, B4 A, B4 G, B4 J, B4 S, B4 Plus, B4 Pro, B4 Power, B4 Turbo, B4 Ultra, B4 Mini, B4A, B4A Plus, B4A Pro, B4A Power, B4A Turbo, B4A Ultra, B5, B5 A, B5 G, B5 J, B5 S, B5 Plus, B5 Pro, B5 Power, B5 Turbo, B5 Ultra, B5A, B5A Plus, B5A Pro, B5A Power, B5A Turbo, B5A Ultra, B6, B6 A, B6 G, B6 J, B6 S, B6 Plus, B6 Pro, B6 Power, B6 Turbo, B6 Ultra, B6A, B6A Plus, B6A Pro, B6A Power, B6A Turbo, B6A Ultra, B7, B7 A, B7 G, B7 J, B7 S, B7 Plus, B7 Pro, B7 Power, B7 Turbo, B7 Ultra, B7A, B7A Plus, B7A Pro, B7A Power, B7A Turbo, B7A Ultra, B8, B8 A, B8 G, B8 J, B8 S, B8 Plus, B8 Pro, B8 Power, B8 Turbo, B8 Ultra, B8A, B8A Plus, B8A Pro, B8A Power, B8A Turbo, B8A Ultra, B9, B9 A, B9 AI, B9 G, B9 J, B9 S, B9 Plus, B9 Pro, B9 Power, B9 Turbo, B9 Ultra, B9A, B9A AI, B9A Plus, B9A Pro, B9A Power, B9A Turbo, B9A Ultra, B10, B10 A, B10 AI, B10 G, B10 J, B10 S, B10 Plus, B10 Pro, B10 Power, B10 Turbo, B10 Ultra, B10A, B10A AI, B10A Plus, B10A Pro, B10A Power, B10A Turbo, B10A Ultra, B11, B11 A, B11 AI, B11 G, B11 J, B11 S, B11 Plus, B11 Pro, B11 Power, B11 Turbo, B11 Ultra, B11A, B11A AI, B11A Plus, B11A Pro, B11A Power, B11A Turbo, B11A Ultra, B12, B12 A, B12 AI, B12 G, B12 J, B12 S, B12 Plus, B12 Pro, B12 Power, B12 Turbo, B12 Ultra, B12A, B12A AI, B12A Plus, B12A Pro, B12A Power, B12A Turbo, B12A Ultra, B13, B13 A, B13 AI, B13 G, B13 J, B13 S, B13 Plus, B13 Pro, B13 Power, B13 Turbo, B13 Ultra, B13A, B13A AI, B13A Plus, B13A Pro, B13A Power, B13A Turbo, B13A Ultra, B14, B14 A, B14 AI, B14 G, B14 J, B14 S, B14 Plus, B14 Pro, B14 Power, B14 Turbo, B14 Ultra, B14A, B14A AI, B14A Plus, B14A Pro, B14A Power, B14A Turbo, B14A Ultra, B15, B15 A, B15 AI, B15 G, B15 J, B15 S, B15 Plus, B15 Pro, B15 Power, B15 Turbo, B15 Ultra, B15A, B15A AI, B15A Plus, B15A Pro, B15A Power, B15A Turbo, B15A Ultra, M1U, M1U Plus, M1U Pro, M1U Power, M1U Turbo, M1U Ultra, M2U, M2U Plus, M2U Pro, M2U Power, M2U Turbo, M2U Ultra, M3U, M3U Plus, M3U Pro, M3U Power, M3U Turbo, M3U Ultra, M4U, M4U Plus, M4U Pro, M4U Power, M4U Turbo, M4U Ultra, M5U, M5U Plus, M5U Pro, M5U Power, M5U Turbo, M5U Ultra, M6U, M6U Plus, M6U Pro, M6U Power, M6U Turbo, M6U Ultra
Model Description:	All the model are the same circuit and RF module, only the model name and appearance are different. Test sample model: B4 Turbo
Bluetooth Version:	Bluetooth 5.2
WIFI Version:	IEEE 802.11a/b/g/n/ac
Hardware Version:	V1.0
Software Version:	V1.0
Operation Frequency:	Bluetooth: 2402-2480MHz IEEE 802.11a/n/ac(20M): 5725MHz ~5850MHz/ 5 channel IEEE 802.11n/ac(40M): 5725MHz ~5850MHz/ 2 channel IEEE 802.11ac(80M): 5725MHz ~5850MHz/ 1 channel
Max. RF output power:	Bluetooth: 8.25dBm WiFi(5G):13.52dBm
Type of Modulation:	Bluetooth: GFSK, π/4 DQPSK, 8DPSK WiFi: DSSS, OFDM

Antenna installation:	Bluetooth: Internal antenna
Antenna Gain:	Bluetooth: 1.0dBi WiFi(5G) ANT1:1.0dBi, ANT2:1.0dBi
Ratings:	For AC/DC ADAPTER: 100-240V~, 50/60Hz, 1.0A Max. For Mini PC: 12V ⎓ 2.0A

3. HEALTH REQUIREMENTS

3.1 Limits

According to Council Recommendation: the criteria listed in the following table shall be used to evaluate the environment impact of human exposure to radio frequency (RF) radiation.

Reference levels for electric, magnetic and electromagnetic fields (0Hz to 300GHz, unperturbed RMS values)

Frequency range	E-field strength (V/m)	H-field strength (A/m)	B-field (μT)	Equivalent plane wave power density Seq (W/m2)
0-1 Hz	-	3.2×10^4	4×10^4	-
1-8 Hz	10000	$3.2\times10^4/f^2$	$4\times10^4/f^2$	-
8-25 Hz	10000	4000/f	5000/f	-
0.025-0.8 kHz	250/f	4/f	5/f	-
0.8-3 kHz	250/f	5	6.25	-
3-150 kHz	87	5	6.25	-
0.15-1 MHz	87	0.73/f	0.92/f	-
1-10 MHz	$87/f^{1/2}$	0.73/f	0.92/f	-
10-400 MHz	28	0.073	0.095	2
400-2000 MHz	$1.375\ f^{1/2}$	$0.0037\ f^{1/2}$	$0.0046\ f^{1/2}$	f/200
2-300 GHz	61	0.16	0.2	10

Note:

1. f as indicated in the frequency range column.
2. For frequencies between 100 kHz and 10 GHz, Seq, E^2, H^2 and B^2 are to be averaged over any six-minute period.
3. For frequencies exceeding 10 GHz, Seq, E^2, H^2 and B^2 are to be averaged over any $68 / f^{1.05}$ minute period (f in GHz).

3.2 Exposure Evaluation

From Council Recommendation 1999/519/EC table 2, the maximum power density is 10 W/m2.
Power density (S) is calculated by the following formula:
$S = PG * \text{Duty factor} / 4\pi R^2$
P = Peak Power Input to antenna (Watts)
G =Antenna Gain (numeric)
R = distance to the center of radiation of antenna (in meter) = 0.2 m
Note:
1) P (Watts)=(10 ^ (dBm /10))/1000
2) G (Antenna gain in numeric) = 10^ (Antenna gain in dBi /10)
3) Duty factor=1.0
4) π=3.142

Bluetooth:

Antenna Gain (dBi)	Antenna Gain (numeric)	Max. Output Power (dBm)	Max. Output Power (W)	Duty factor	Calculated RF Exposure (W/ m²)	Limit (W/ m²)
1	1.25892541	7.25	0.0053088	1	0.0133	10

5.8G WIFI ANT1:

Antenna Gain (dBi)	Antenna Gain (numeric)	Max. Output Power (dBm)	Max. Output Power (W)	Duty factor	Calculated RF Exposure (W/ m²)	Limit (W/ m²)
1	1.25892541	9.48	0.0088716	1	0.0222	10

5.8G WIFI ANT2:

Antenna Gain (dBi)	Antenna Gain (numeric)	Max. Output Power (dBm)	Max. Output Power (W)	Duty factor	Calculated RF Exposure (W/ m²)	Limit (W/ m²)
1	1.25892541	9.57	0.0090573	1	0.0227	10

5.8G WIFI MIMO:

Antenna Gain (dBi)	Antenna Gain (numeric)	Max. Output Power (dBm)	Max. Output Power (W)	Duty factor	Calculated RF Exposure (W/ m²)	Limit (W/ m²)
1	1.25892541	13.52	0.0224905	1	0.0564	10

BT+WIFI supported simultaneous transmission:

BT+5.8GWIFI MIMO:MPE Rati0 =0.0133/10+0.0564/10=0.00697≤1

4. EUT PHOTOGRAPHS

Refer to Report No.: CTB25031709702RE03 for EUT external and internal photos.

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