



TEST REPORT

Reference No. : WTD23D12265325W007
Manufacturer* : Coolr Group Inc
Address : 4451 Brookfield Corporate Dr Suite 111, Chantilly, VA 20151, US
Factory 1 : Suga Electronics (Dongguan) Co.,Ltd.
Address : Suga High-tech Industrial Park, No.8 Fulong Road, Sanzhong village, Qingxi Town, Dongguan City, Guangdong Province, China
Factory 2 : Suga International (Vietnam) Company Limited
Address : Lo so CN11-3, Que Vo 3 Industrial Park, Que Tan Commune, Que Vo District, Bac Ninh Province, Vietnam
Product : VistaZ
Model(s) : CVZ-0303, CVL-0303
Standards : EN IEC 62311:2020
EN 50665:2017
Date of Receipt sample : 2023-12-14
Date of Test : 2023-12-21 to 2024-01-16
Date of Issue : 2024-01-23
Test Result : **Pass**

Remarks:

1. The results shown in this test report refer only to the sample(s) tested, this test report cannot be reproduced, except in full, without prior written permission of the company. The report would be invalid without specific stamp of test institute and the signatures of compiler and approver.
2. “*” **manufacturer** means any natural or legal person who manufactures radio equipment or has radio equipment designed or manufactured, and markets that equipment under his name or trade mark.

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3 Revision History

Test Report No.	Date of Receipt sample	Date of Test	Date of Issue	Purpose	Comment	Approved
WTD23D12265325W007	2023-12-14	2023-12-21 to 2024-01-16	2024-01-23	Original	-	Valid

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4 General Information

4.1 General Description of E.U.T.

Product:	VistaZ
Model(s):	CVZ-0303, CVL-0303
Model Description:	Only the model name and cellular modular are different. The model CVZ-0303 with cellular modular. The model CVL-0303 without cellular modular. The test sample model was CVZ-0303.
SM Band(s):	GSM 900/1800MHz
LTE Band(s):	LTE-CAT M1 Band 1/3
Wi-Fi Specification:	2.4G-802.11b/g/n HT20
Bluetooth Version:	V5.4
Hardware Version:	V01 Rev 0.02
Software Version:	v17.1
Note:	N/A

4.2 Details of E.U.T.

Operation Frequency:	BLE: 2402-2480MHz 2.4G Wi-Fi: 802.11b/g/n HT20: 2412-2472MHz GSM 900: Tx: 880-915MHz, Rx: 925-960MHz GSM 1800: Tx: 1710-1785MHz, Rx: 1805-1880MHz LTE-CAT M1 Band 1: Tx: 1920-1980MHz, Rx: 2110-2170MHz LTE- CAT M1 Band 3: Tx: 1710-1785MHz, Rx: 1805-1880MHz
Max. RF output power:	BLE: -1.41dBm EIRP 2.4G Wi-Fi: 17.89dBm EIRP GPRS900: 32.21dBm GPRS1800: 29.28dBm LTE Band 1: 20.99dBm LTE Band 3: 21.35dBm
Type of Modulation:	BLE: GFSK 2.4G Wi-Fi: DSSS, OFDM GPRS: GMSK LTE: QPSK, 16QAM
Antenna installation:	BLE/2.4G Wi-Fi: ceramic antenna GSM/LTE: Dipole Antenna
Antenna Gain:	BLE: 2.0dBi 2.4G Wi-Fi: 3.77dBi GSM/LTE: 4.84dBi

Note:

#: The antenna gain is provided by the applicant, and the applicant should be responsible for its authenticity, WALTEK lab has not verified the authenticity of its information.

Ratings: DC 3.7V by battery

Battery: DC 3.7V, 2500mAh, 9.25Wh



5 Test Summary

HEALTH PART		
Test Items	Test Requirement	Result
RF Exposure	EN IEC 62311 and EN 50665	PASS
Remark: N/A: Not Applicable RF: In this whole report RF means Radio Frequency.		

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6 Health Requirements

6.1 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/m ²)
0-1 Hz	-	3.2×10^4	4×10^4	-
1-8 Hz	10000	$3.2 \times 10^4 / f^2$	$4 \times 10^4 / f^2$	-
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).



6.2 RF Exposure Evaluations

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:

$$S = PG \cdot \text{Duty factor} / 4\pi R^2$$

P = Peak Power Input to antenna (Watts)

G = Antenna Gain (numeric)

R = distance to the center of radiation of antenna (in meter) = 0.20 m

Note:

1) $P \text{ (Watts)} = (10^{(\text{dBm} / 10)}) / 1000$

2) $G \text{ (Antenna gain in numeric)} = 10^{(\text{Antenna gain in dBi} / 10)}$

3) Duty factor = 1.0

4) $\pi = 3.142$

6.3 Test Result of RF Exposure Evaluation

Mode	Antenna Gain (dBi)	Antenna Gain (numeric)	Max. Output Power (dBm)	Max. Output Power (W)	Duty factor	Calculated RF Exposure (W/ m ²)	Limit (W/ m ²)
BLE	2.00	1.58	-3.41	0.0005	1.0	0.0014	10
2.4G Wi-Fi	3.77	2.38	14.12	0.026	1.0	0.1224	10
GSM	4.84	3.05	25.13*	0.33	1.0	1.9755	4.574
LTE	4.84	3.05	21.35	0.14	1.0	0.8273	8.924

Note :

1: GSM and LTE Output Power refer report No: R2304A0458-M1

2: * is Frame-Averaged Output Power

=====End of Report=====