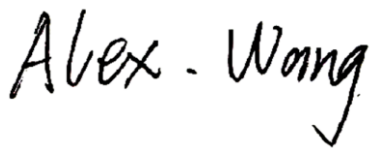


TEST REPORT

Application No.: BTEK250606024A01-T01
Applicant: Videostrong Technology Co., Ltd
Address of Applicant: 604, Lushi industrial Building, 28 District, Bao'an District, Shenzhen, China
Manufacturer: Videostrong Technology Co., Ltd
Address of Manufacturer: 604, Lushi industrial Building, 28 District, Bao'an District, Shenzhen, China
Equipment Under Test (EUT):
EUT Name: Android TV Stick
Test Model.: KD2
Adding Model(s): KD*. (*can be A to Z, a to z, 0 to 9, or blank)
Trade Mark: /
FCC ID: 2AGKB-KD2HLV01
Standard(s) : 47 CFR Part 2 Subpart J Section 2.1091
447498 D01 General RF Exposure Guidance v06
Date of Receipt Sample(s): 2025-6-27
Date of Test: 2025-6-28 to 2025-7-30
Date of Issue: 2025-7-31

Test Result:	Pass*
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* In the configuration tested, the EUT complied with the standards specified above.



Alex Wang/ Approved & Authorized
EMC Laboratory Manager



Revision Record			
Version	Issue Date	Revisions	Remarks
V0	2025-7-31	Initial	Valid

Authorized for issue by:			
			
		Karl Liu / File Editor	
			
		June Li/Reviewer	

Remarks:

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.



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3 General Information

3.1 Details of E.U.T.

Power supply:	DC 5V=1A from recharge by Micro USB port	
BLE		
Frequency Range:	2402MHz to 2480MHz	
Bluetooth Version:	V5.2 BLE	
Modulation Type:	GFSK	
Channel Spacing:	2MHz	
Data Rate:	1Mbps/2Mbps/125 kbps/500 kbps	
Number of Channels:	40	
Antenna Type:	Onboard Antenna	
Antenna Gain:	1.26dBi	
BT		
Frequency Range:	2402MHz to 2480MHz	
Bluetooth Version:	V4.2 classic	
Modulation Type:	GFSK, π /4DQPSK,8DPSK	
Number of Channels:	79	
Channel Spacing:	1MHz	
Antenna Type:	Onboard Antenna	
Antenna Gain:	1.26dBi	
2.4G WIFI		
Support Standards:	802.11b, 802.11g, 802.11n-HT20, 802.11n-HT40	
Frequency Range:	2412-2462MHz for 802.11b/g/n(HT20) 2422-2452MHz for 802.11n(HT40)	
Type of Modulation:	802.11b: DSSS; 802.11g/n: OFDM	
Quantity of Channels	11 for 802.11b/g/n(HT20) 9 for 802.11n(HT40)	
Channel Separation:	5MHz	
Type of Antenna:	FPC Antenna	
Antenna Gain:	ANT1:2.87dBi ANT2:3.53dBi	
5G WIFI		
Support Standards:	802.11a, 802.11n(HT20) ,802.11n-HT40, 802.11ac-VHT20, 802.11ac-VHT40,802.11ac-VHT80	
Operation Frequency	U-NII-1:5180-5240MHz U-NII-2A: 5260-5320MHz U-NII-2C: 5500-5700MHz U-NII-3: 5745-5825MHz	
Modulation Type:	OFDM	
Channel Spacing:	802.11a/n(HT20)/ac(VHT20): 20MHz 802.11n(HT40)/ac(VHT40): 40MHz 802.11ac(VHT80): 80MHz	
DFS Function:	Slave	
TPC Function:	No Support TPC function	
Antenna Type:	FPC Antenna	
Antenna Gain:	U-NII-1:5180-5240MHz	ANT1:2.75dBi



	U-NII-2A: 5260-5320MHz	ANT2:4.49dBi
		ANT1:3.00dBi
	U-NII-2C: 5500-5700MHz	ANT2:4.62dBi
		ANT1:3.35dBi
	U-NII-3: 5745-5825MHz	ANT2:5.15dBi
		ANT1:3.10dBi
Model(s) Difference Statement	☐ Single Model.	
	☒ Multi-Models:KD2, KD*.*(*can be A to Z, a to z,0 to 9, or blank) Only the model KD2 was tested. According to the declaration from the applicant, the electrical circuit design, layout, components used, internal wiring and functions of other models are identical for the above models, with only difference on Model No	
Sample No.:	BTEK250606024A01-01	

3.2 Description of Support Units

Description	Manufacturer	Model No.	Serial No.
/	/	/	/

3.3 Test Location

All tests were performed at:

Shenzhen BANTEK Testing Co., Ltd.,

A5&A6, Building B1&B2, No.45 Gangtuo Road, Bogang Community, Shajing Street, Bao'an District, Shenzhen, Guangdong, China 518103

Tel:0755-2334 4200 Fax: 0755-2334 4200

FCC Registration Number: 264293

Designation Number: CN1356

No tests were sub-contracted.

3.4 Deviation from Standards

None

3.5 Abnormalities from Standard Conditions

None



4 Test Requirement

According to §1.1307(b)(1) and KDB 447498 D01 General RF Exposure Guidance v06, system operating under the provisions of this section shall be operating in a manner that the public is not exposed to radio frequency energy level in excess limit for maximum permissible exposure.

Limits for Maximum Permissible Exposure (MPE)

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

f = frequency in MHz

Friis transmission formula: $Pd = (Pout \cdot G) / (4 \cdot \pi \cdot r^2)$

Where

Pd = power density in mW/cm², **Pout** = output power to antenna in mW;

G = gain of antenna in linear scale, **Pi** = 3.1416;

R = distance between observation point and center of the radiator in cm

Pd is the limit of MPE, 1 mW/cm². If we know the maximum gain of the antenna and the total power input to the antenna, through the calculation, we will know the distance r where the MPE limit is reached.



4.1 Assessment Result

☒ Passed ☐ Not Applicable

Frequency (MHz)	Type	Conducted Power (dBm)	Maximum Tune-up (dBm)	Power Density (mW/cm ²)	Limit (mW/cm ²)	Result
2440	BLE-2M	7.61	8.00	0.0017	1.0000	Pass
2402	BT-3DH5	9.67	10.00	0.0027	1.0000	Pass
2462	2.4G WIFI 802.11b-ANT1	19.45	19.50	0.0343	1.0000	Pass
5180	5.2G WIFI 802.11n (HT20)-MIMO	16.69	17.00	0.028	1.0000	Pass
5320	5.3G WIFI 802.11a	14.67	15.00	0.0180	1.0000	Pass
5510	5.6G WIFI 802.11ac (VHT40)-MIMO	15.36	15.50	0.0231	1.0000	Pass
5825	5.8G WIFI 802.11n (HT20)-MIMO	16.45	16.50	0.0364	1.0000	Pass

Note: 1.The exposure evaluation safety distance is 20cm.

2.Only show the worst case in the test report.

- End of the Report -

