



RF Exposure Evaluation

FOR

Guangzhou Driven Technology Co.,Ltd

10.1-inch Smart Control & Infotainment System(Standard)

Test Model: RVCS-CS-X101-S

Prepared for : Guangzhou Driven Technology Co.,Ltd
Address : Room 510, Bldg.A No.19 Lianhe Street, Nanxiang 3rd Road,
Huangpu district, Guangzhou, Guangdong Province, China

Prepared by : Shenzhen LCS Compliance Testing Laboratory Ltd.
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Date of receipt of test sample : March 26, 2026
Number of tested samples : 2
Sample No. : A260325048-1, A260325048-2
Serial number : Prototype
Date of Test : March 26, 2026 ~ April 16, 2026
Date of Report : April 17, 2026



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**RF Exposure Evaluation****Report Reference No. : LCSA03256140EF**

Date of Issue..... : April 17, 2026

Testing Laboratory Name : Shenzhen LCS Compliance Testing Laboratory Ltd.Address..... : 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei,
Shajing Street, Baoan District, Shenzhen, 518000, ChinaTesting Location/ Procedure : Full application of Harmonised standards ■
Partial application of Harmonised standards □
Other standard testing method □**Applicant's Name : Guangzhou Driven Technology Co.,Ltd**Address..... : Room 510, Bldg.A No.19 Lianhe Street, Nanxiang 3rd Road, Huangpu
district, Guangzhou, Guangdong Province, China**Test Specification**Standard : FCC KDB publication 447498 D01 General RF Exposure Guidance v06
FCC CFR 47 part1 1.1310
FCC CFR 47 part2 2.1091

Test Report Form No..... : TRF-4-E-214 A/0

TRF Originator : Shenzhen LCS Compliance Testing Laboratory Ltd.

Master TRF : Dated 2011-03

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Test Item Description..... : 10.1-inch Smart Control & Infotainment System(Standard)

Trade Mark : DrivenSmart

Test Model : RVCS-CS-X101-S

Ratings..... : Please Refer to Page 6

Result : Pass**Compiled by:**

Kevin Huang/Administrator

Supervised by:

Jack Liu/ Technical Manager

Approved by:

Gavin Liang/ Manager



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RF Exposure Evaluation

Test Report No. : LCSA03256140EF	<u>April 17, 2026</u> Date of issue
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Test Model.....	: RVCS-CS-X101-S
EUT.....	: 10.1-inch Smart Control & Infotainment System(Standard)
Applicant.....	: Guangzhou Driven Technology Co.,Ltd
Address.....	: Room 510, Bldg.A No.19 Lianhe Street, Nanxiang 3rd Road, Huangpu district, Guangzhou, Guangdong Province, China
Telephone.....	: /
Fax.....	: /
Manufacturer.....	: Guangzhou Driven Technology Co.,Ltd
Address.....	: Room 510, Bldg.A No.19 Lianhe Street, Nanxiang 3rd Road, Huangpu district, Guangzhou, Guangdong Province, China
Telephone.....	: /
Fax.....	: /
Factory.....	: Guangzhou Driven Technology Co.,Ltd
Address.....	: Room 510, Bldg.A No.19 Lianhe Street, Nanxiang 3rd Road, Huangpu district, Guangzhou, Guangdong Province, China
Telephone.....	: /
Fax.....	: /

Test Result	Pass
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The test report merely corresponds to the test sample.

It is not permitted to copy extracts of these test result without the written permission of the test laboratory.



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Revision History

Report Version	Issue Date	Revision Content	Revised By
000	April 17, 2026	Initial Issue	---





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1. Product Information

EUT	: 10.1-inch Smart Control & Infotainment System(Standard)
Test Model	: RVCS-CS-X101-S
Ratings	: Input: DC 12V, 670mA
Hardware Version	: L825-196_VER_F3 250521
Software Version	: /
Bluetooth	:
Frequency Range	: 2402MHz~2480MHz
Channel Number	: 79 channels for Bluetooth V5.1 (DSS) 40 channels for Bluetooth V5.1 (DTS)
Channel Spacing	: 1MHz for Bluetooth V5.1 (DSS) 2MHz for Bluetooth V5.1 (DTS)
Modulation Type	: GFSK, $\pi/4$ -DQPSK, 8-DPSK for Bluetooth V5.1 (DSS) GFSK for Bluetooth V5.1 (DTS)
Bluetooth Version	: V5.1
Antenna Description	: Module 1:External Antenna, 2.35dBi(Max.) Module 2:External Antenna, 2.35dBi(Max.)
WIFI(2.4G Band)	:
Frequency Range	: 2412MHz~2462MHz
Channel Spacing	: 5MHz
Channel Number	: 11 Channels for 20MHz bandwidth (2412~2462MHz) 7 Channels for 40MHz bandwidth (2422~2452MHz)
Modulation Type	: IEEE 802.11b: DSSS (CCK, DQPSK, DBPSK) IEEE 802.11g: OFDM (64QAM, 16QAM, QPSK, BPSK) IEEE 802.11n: OFDM (64QAM, 16QAM, QPSK, BPSK)
Antenna Description	: External Antenna, 2.35dBi(Max.)
WIFI(5.2G Band)	:
Frequency Range	: 5180MHz~5240MHz
Channel Number	: 4 Channels for 20MHz bandwidth(5180MHz~5240MHz) 2 channels for 40MHz bandwidth(5190MHz~5230MHz) 1 channels for 80MHz bandwidth(5210MHz)
Modulation Type	: IEEE 802.11a: OFDM (64QAM, 16QAM, QPSK, BPSK) IEEE 802.11n: OFDM (64QAM, 16QAM, QPSK, BPSK) IEEE 802.11ac: OFDM (256QAM, 64QAM, 16QAM, QPSK, BPSK)
Antenna Description	: External Antenna, 1.97dBi(Max.)
WIFI(5.8G Band)	:
Frequency Range	: 5745MHz~5825MHz
Channel Number	: 5 channels for 20MHz bandwidth(5745MHz~5825MHz) 2 channels for 40MHz bandwidth(5755MHz~5795MHz) 1 channels for 80MHz bandwidth(5775MHz)
Modulation Type	: IEEE 802.11a: OFDM (64QAM, 16QAM, QPSK, BPSK) IEEE 802.11n: OFDM (64QAM, 16QAM, QPSK, BPSK) IEEE 802.11ac: OFDM (256QAM, 64QAM, 16QAM, QPSK, BPSK)
Antenna Description	: External Antenna, 3.36dBi(Max.)
GPS Function	: Support and only RX
Exposure category	General population/uncontrolled environment
EUT Type	Production Unit
Device Type	: Mobile Device

Note: For a more detailed antenna description, please refer to the antenna specifications or the antenna report provided by the customer.



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2. Evaluation Method

Systems operating under the provisions of FCC 47 CFR section shall be operated in a manner that ensures that the public is not exposed to radio frequency energy level in excess of the Commission's guidelines.

In accordance with 47 CFR FCC Part 2 Subpart J, section 2.1091 this device has been defined as mobile device whereby a distance of 0.2m normally can be maintained between the user and the device, and below RF Permissible Exposure limit shall comply with.

In accordance with KDB447498D01 for Simultaneous transmission MPE test exclusion applies when the sum of the MPE ratios for all simultaneous transmitting antennas incorporated in a host device, based on the calculated/estimated, numerically modelled or measured field strengths or power density, is ≤ 1.0 . The MPE ratio of each antenna is determined at the minimum test separation distance required by the operating configurations and exposure conditions of the host device, according to the ratio of field strengths or power density to MPE limit, at the test frequency. Either the maximum peak or spatially averaged results from measurements or numerical simulations may be used to determine the MPE ratios. Spatial averaging does not apply when MPE is estimated using simple calculations based on far-field plane-wave equivalent conditions. The antenna installation and operating requirements for the host device must meet the minimum test separation distances required by all antennas, in both standalone and simultaneous transmission operations, to satisfy compliance.

3. Limit

3.1 Refer Evaluation Method

[ANSI C95.1-2019](#): IEEE Standard for Safety Levels with Respect to Human Exposure to Electric, Magnetic, and Electromagnetic Fields, 0 Hz to 300 GHz

[FCC KDB publication 447498 D01 General 1 RF Exposure Guidance v06](#): Mobile and Portable Devices RF Exposure Procedures and Equipment Authorization Policies.

[FCC CFR 47 part1 1.1310](#): Radiofrequency radiation exposure limits.

[FCC CFR 47 part2 2.1091](#): Radiofrequency radiation exposure evaluation: mobile devices.

3.2 Limit

Limits for Maximum Permissible Exposure (MPE)/Controlled Exposure

Frequency Range(MHz)	Electric Field Strength(V/m)	Magnetic Field Strength(A/m)	Power Density (mW/cm ²)	Averaging Time (minute)
Limits for Occupational/Controlled Exposure				
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

Limits for Maximum Permissible Exposure (MPE)/Uncontrolled Exposure

Frequency Range(MHz)	Electric Field Strength(V/m)	Magnetic Field Strength(A/m)	Power Density (mW/cm ²)	Averaging Time (minute)
Limits for Occupational/Uncontrolled Exposure				
0.3 – 3.0	614	1.63	(100)*	30
3.0 – 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

*=Plane-wave equivalent power density



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4. MPE Calculation Method

Predication of MPE limit at a given distance

Equation from page 18 of OET Bulletin 65, Edition 97-01

$$S = PG / 4\pi R^2$$

Where: S=power density

P=power input to antenna

G=power gain of the antenna in the direction of interest relative to an isotropic radiator

R=distance to the center of radiation of the antenna

5. Conducted Power

[BT]

Mode	Channel	Frequency (MHz)	Peak Conducted Output Power (dBm)
GFSK	0	2402	-1.49
	39	2441	1.13
	78	2480	0.08
$\pi/4$ DQPSK	0	2402	0.45
	39	2441	2.96
	78	2480	1.88
8DPSK	0	2402	0.97
	39	2441	3.37
	78	2480	2.19

Module 1: [BLE]

Mode	Channel	Frequency (MHz)	Peak Conducted Output Power (dBm)
BLE 1M	0	2402	-2.58
	19	2440	-0.1
	39	2480	-1.09
BLE 2M	0	2402	-2.68
	19	2440	-0.27
	39	2480	-1.25

Module 2: [BLE]

Mode	Channel	Frequency (MHz)	Peak Conducted Output Power (dBm)
BLE 1M	0	2402	-2.57
	19	2440	-0.04
	39	2480	-1.09

[2.4G WIFI]

Mode	Channel	Frequency (MHz)	Peak Conducted Output Power (dBm)
11B	1	2412	17.04
	6	2437	17.14
	11	2462	17.72
11G	1	2412	15.03
	6	2437	15.40
	11	2462	15.60
11N20 SISO	1	2412	16.05
	6	2437	15.37
	11	2462	15.08
11N40 SISO	3	2422	14.58



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	6	2437	14.40
	9	2452	15.01

[5.2G WIFI]

Mode	Channel	Frequency (MHz)	Max Conducted Power(dBm)
11A	36	5180	14.93
	40	5200	15.19
	48	5240	15.76
11N20 SISO	36	5180	13.70
	40	5200	13.73
	48	5240	13.61
11N40 SISO	38	5190	13.93
	46	5230	13.22
11AC20 SISO	36	5180	12.17
	40	5200	12.65
	48	5240	11.86
11AC40 SISO	38	5190	12.80
	46	5230	13.12
11AC80 SISO	42	5210	12.82

[5.8G WIFI]

Mode	Channel	Frequency (MHz)	Max Conducted Power(dBm)
11A	149	5745	11.81
	157	5785	11.52
	165	5825	11.53
11N20 SISO	149	5745	11.60
	157	5785	11.83
	165	5825	11.82
11N40 SISO	151	5755	11.73
	159	5795	11.84
11AC20 SISO	149	5745	11.65
	157	5785	11.87
	165	5825	11.68
11AC40 SISO	151	5755	11.70
	159	5795	11.82
11AC80 SISO	155	5775	11.65

6. Manufacturing Tolerance

[BT]

GFSK (Peak)			
Channel	Channel 0	Channel 39	Channel 78
Target (dBm)	-1.0	1.0	0
Tolerance ±(dB)	1.0	1.0	1.0
π/4-DQPSK (Peak)			
Channel	Channel 0	Channel 39	Channel 78
Target (dBm)	0	2.0	1.0
Tolerance ±(dB)	1.0	1.0	1.0
8DPSK (Peak)			
Channel	Channel 0	Channel 39	Channel 78



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Target (dBm)	0	3.0	2.0
Tolerance $\pm$ (dB)	1.0	1.0	1.0

Module 1: [BLE]

BT LE 1M (Peak)

Channel	Channel 0	Channel 19	Channel 39
Target (dBm)	-2.0	0	-1.0
Tolerance $\pm$ (dB)	1.0	1.0	1.0

BT LE 2M (Peak)

Channel	Channel 0	Channel 19	Channel 39
Target (dBm)	-2.0	0	-1.0
Tolerance $\pm$ (dB)	1.0	1.0	1.0

Module 2: [BLE]

BT LE 1M (Peak)

Channel	Channel 0	Channel 19	Channel 39
Target (dBm)	-2.0	0	-1.0
Tolerance $\pm$ (dB)	1.0	1.0	1.0

[2.4G WIFI]

11B (Average)

Channel	Channel 1	Channel 6	Channel 11
Target (dBm)	17.0	17.0	17.0
Tolerance $\pm$ (dB)	1.0	1.0	1.0

11G (Average)

Channel	Channel 1	Channel 6	Channel 11
Target (dBm)	15.0	15.0	15.0
Tolerance $\pm$ (dB)	1.0	1.0	1.0

11N20 (Average)

Channel	Channel 1	Channel 6	Channel 11
Target (dBm)	16.0	15.0	15.0
Tolerance $\pm$ (dB)	1.0	1.0	1.0

11N40 (Average)

Channel	Channel 3	Channel 6	Channel 9
Target (dBm)	14.0	14.0	15.0
Tolerance $\pm$ (dB)	1.0	1.0	1.0

[5.2G WIFI]

11A (Average)

Channel	Channel 36	Channel 40	Channel 48
Target (dBm)	14.0	15.0	15.0
Tolerance $\pm$ (dB)	1.0	1.0	1.0

11N20 (Average)

Channel	Channel 36	Channel 40	Channel 48
Target (dBm)	13.0	13.0	13.0



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Tolerance ±(dB)	1.0	1.0	1.0
11N40 (Average)			
Channel	Channel 38	Channel 46	
Target (dBm)	13.0	13.0	
Tolerance ±(dB)	1.0	1.0	
11AC20 (Average)			
Channel	Channel 36	Channel 40	Channel 48
Target (dBm)	12.0	12.0	11.0
Tolerance ±(dB)	1.0	1.0	1.0
11AC40 (Average)			
Channel	Channel 38	Channel 46	
Target (dBm)	12.0	13.0	
Tolerance ±(dB)	1.0	1.0	
11AC80 (Average)			
Channel	Channel 42		
Target (dBm)	12.0		
Tolerance ±(dB)	1.0		

[5.8G WIFI]

11A (Average)			
Channel	Channel 149	Channel 157	Channel 165
Target (dBm)	11.0	11.0	11.0
Tolerance ±(dB)	1.0	1.0	1.0
11N20 (Average)			
Channel	Channel 149	Channel 157	Channel 165
Target (dBm)	11.0	11.0	11.0
Tolerance ±(dB)	1.0	1.0	1.0
11N40 (Average)			
Channel	Channel 151		Channel 159
Target (dBm)	11.0		11.0
Tolerance ±(dB)	1.0		1.0
11AC20 (Average)			
Channel	Channel 149	Channel 157	Channel 165
Target (dBm)	11.0	11.0	11.0
Tolerance ±(dB)	1.0	1.0	1.0
11AC40 (Average)			
Channel	Channe151		Channel 159
Target (dBm)	11.0		11.0
Tolerance ±(dB)	1.0		1.0
11AC80 (Average)			
Channel	Channe155		
Target (dBm)	11.0		
Tolerance ±(dB)	1.0		



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7. Measurement Results

7.1 Standalone MPE Evaluation

As declared by the Applicant, the EUT is a wireless device used in a fix application, at least 20 cm from any body part of the user or nearby persons; from the maximum EUT RF output power, the minimum separation distance, $r=20\text{cm}$, as well as the gain of the used antenna refer to antenna information, the RF power density can be obtained.

[BT]

Modulation Type	Output power		Antenna Gain (dBi)	Antenna Gain (linear)	MPE (mW/cm ²)	MPE Limits (mW/cm ²)
	dBm	mW				
GFSK	2.0	1.5849	2.35	1.7179	0.0005	1.0000
$\pi/4$ -DQPSK	3.0	1.9953	2.35	1.7179	0.0007	1.0000
8-DPSK	4.0	2.5119	2.35	1.7179	0.0009	1.0000

Module 1: [BLE]

Modulation Type	Output power		Antenna Gain (dBi)	Antenna Gain (linear)	MPE (mW/cm ²)	MPE Limits (mW/cm ²)
	dBm	mW				
BLE1M	1.0	1.2589	2.35	1.7179	0.0004	1.0000
BLE2M	1.0	1.2589	2.35	1.7179	0.0004	1.0000

Module 2: [BLE]

Modulation Type	Output power		Antenna Gain (dBi)	Antenna Gain (linear)	MPE (mW/cm ²)	MPE Limits (mW/cm ²)
	dBm	mW				
BLE1M	1.0	1.2589	2.35	1.7179	0.0004	1.0000

[2.4G WIFI]

Modulation Type	Output power		Antenna Gain (dBi)	Antenna Gain (linear)	MPE (mW/cm ²)	MPE Limits (mW/cm ²)
	dBm	mW				
IEEE 802.11b	18.0	63.0957	2.35	1.7179	0.0216	1.0000
IEEE 802.11g	16.0	39.8107	2.35	1.7179	0.0136	1.0000
IEEE 802.11n HT20	17.0	50.1187	2.35	1.7179	0.0171	1.0000
IEEE 802.11n HT40	16.0	39.8107	2.35	1.7179	0.0136	1.0000

[5.2G WIFI]

Modulation Type	Output power		Antenna Gain (dBi)	Antenna Gain (linear)	MPE (mW/cm ²)	MPE Limits (mW/cm ²)
	dBm	mW				
IEEE 802.11a	16.0	39.8107	1.97	1.5740	0.0125	1.0000
IEEE 802.11n HT20	14.0	25.1189	1.97	1.5740	0.0079	1.0000
IEEE 802.11n HT40	14.0	25.1189	1.97	1.5740	0.0079	1.0000
IEEE 802.11ac VHT20	13.0	19.9526	1.97	1.5740	0.0063	1.0000
IEEE 802.11ac VHT40	14.0	25.1189	1.97	1.5740	0.0079	1.0000



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IEEE 802.11ac VHT80	13.0	19.9526	1.97	1.5740	0.0063	1.0000
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[5.8G WIFI]

Band/Mode	RF output power		Antenna Gain (dBi)	Antenna Gain (linear)	MPE (mW/cm ²)	MPE Limits (mW/cm ²)
	dBm	mW				
IEEE 802.11a	12.0	15.8489	3.36	2.1677	0.0068	1.0000
IEEE 802.11n HT20	12.0	15.8489	3.36	2.1677	0.0068	1.0000
IEEE 802.11n HT40	12.0	15.8489	3.36	2.1677	0.0068	1.0000
IEEE 802.11ac VHT20	12.0	15.8489	3.36	2.1677	0.0068	1.0000
IEEE 802.11ac VHT40	12.0	15.8489	3.36	2.1677	0.0068	1.0000
IEEE 802.11ac VHT80	12.0	15.8489	3.36	2.1677	0.0068	1.0000

Remark:

1. Output power including tune-up tolerance;
2. Output power was adjust to duty cycle at 100% if measured duty cycle less than 98%;
3. MPE evaluate distance is 20cm from user manual provide by manufacturer.

7.2 Simultaneous Transmission MPE Evaluation

The sample support one BLE antenna, one BT&BLE&2.4GWLAN&5.2G WLAN&5.8G WLAN, so need consider simultaneous transmission.

Simultaneous transmission MPE

According to KDB447498 for Transmitters used in mobile exposure conditions for simultaneous transmission operations;

$$TER = \sum_{k=1}^{N_s} \left(\frac{SAR_k}{SAR_{lim}} \right) + \sum_{k=1}^{N_f} \left(\frac{MPE_{field,k}}{MPE_{field,lim}} \right)^2 + \sum_{k=1}^{N_{pd}} \left(\frac{MPE_{PD,k}}{MPE_{PD,lim}} \right)$$

$\sum \sum$ of MPE ratios ≤ 1.0

Simultaneous Transmission				
Bluetooth Antenna Max MPE ratios (Module 2)	2.4GWIFI Antenna Max MPE ratios (Module 1)	$\sum$ MPE ratios	Limit	Results
0.0009	0.0216	0.0225	1.0	Pass

Simultaneous Transmission				
Bluetooth Antenna Max MPE ratios (Module 2)	5GWIFI Antenna Max MPE ratios (Module 1)	$\sum$ MPE ratios	Limit	Results
0.0009	0.0125	0.0134	1.0	Pass

8. Conclusion

The measurement results comply with the FCC Limit per 47 CFR 2.1091 for the uncontrolled RF Exposure of mobile device.

9. Description of Test Facility

NVLAP Accreditation Code is 600167-0.

FCC Designation Number is CN5024.

CAB identifier is CN0071.



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Scan code to check authenticity



CNAS Registration Number is L4595.
Test Firm Registration Number: 254912.

10.Measurement Uncertainty

BT&BLE&2.4GWLAN&5.2GWLAN&5.8GWLAN:

Test Item		Frequency Range	Uncertainty	Note
Output power	:	1GHz-40GHz	±0.57dB	(1)

(1). This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

-----THE END OF REPORT-----

