

RF EXPOSURE REPORT

Applicant	:	Hisense Commercial Display Co.,Ltd.
Applicant Address	:	No. 218, Qianwangang Road, Huangdao District, Qingdao, Shandong, P.R. China
Manufacturer	:	Hisense Commercial Display Co.,Ltd.
Manufacturer Address	:	No. 218, Qianwangang Road, Huangdao District, Qingdao, Shandong, P.R. China
Equipment Under Test	:	Wireless cast
Model No.	:	HBT55E
Additional Model No.	:	HBT65E, HBT55IE, HBT65IE
Trade Mark	:	Hisense
FCC ID	:	2A9IW-HBT55E
Report No.	:	LS-R26061801-2F03
Issue Date	:	Jul. 15, 2026

LabSure Testing Services (Suzhou) Co., Ltd.



Table of Contents

	Test Report Declare.....	3
1.	General information.....	5
1.1.	Description of Equipment.....	5
1.2.	Assess laboratory.....	6
2.	RF Exposure Evaluation	7
2.1.	Requirement.....	7
2.2.	Calculation method	8
2.3.	Estimation result.....	8

Test Report Declare

Applicant	:	Hisense Commercial Display Co.,Ltd.
Address	:	No. 218, Qianwangang Road, Huangdao District, Qingdao, Shandong, P.R. China
Manufacturer	:	Hisense Commercial Display Co.,Ltd.
Address	:	No. 218, Qianwangang Road, Huangdao District, Qingdao, Shandong, P.R. China
Equipment under Test	:	Wireless cast
Model No.	:	HBT55E
Additional Model No.	:	HBT65E, HBT55IE, HBT65IE
Trade Mark	:	

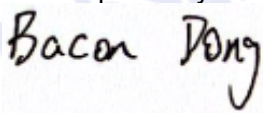
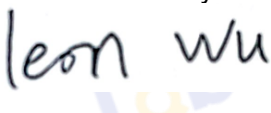
Standard Used: 47 CFR FCC Part 2.1091, 47 CFR FCC Part 1.1307(b), KDB447498 D04
Interim General RF Exposure Guidance v01

We Declare:

The equipment described above is tested by LabSure Testing Services (Suzhou) Co., Ltd. and in the configuration tested the equipment complied with the standards specified above. The test results are contained in this test report and LabSure Testing Services (Suzhou) Co., Ltd. is assumed of full responsibility for the accuracy and completeness of these tests.

After test and evaluation, our opinion is that the equipment provided for test compliance with the requirement of the above standards.

Report No:	LS-R26061801-2F03		
Sample No:	Y26061801-03		
Date of Receipt:	Jun. 23, 2026	Date of Test:	Jun. 23, 2026~ Jul. 14, 2026

Prepared By: 	Reviewed By: 	Authorized By: 
Bacon Dong/Engineer	Leon Wu/Director	Chris Zhong/EMC Manager

Note: This report applies to above tested sample only. This report shall not be reproduced in parts without written approval of LabSure Testing Services (Suzhou) Co., Ltd. The results in this report apply to the test sample(s) mentioned above at the time of the testing period only and are not to be used to indicate applicability to other similar products. This report does not imply that the product(s) has met the criteria for certification. The results reported herein have been performed in accordance with the laboratory's terms of accreditation.

Revision History

Rev.	Revisions	Issue Date	Revised By
---	Initial issue	Jul. 15, 2026	

1. General information

1.1. Description of Equipment

EUT Name	: Wireless cast
Model Number	: HBT55E
Additional Model Number	: HBT65E, HBT55IE, HBT65IE
EUT Function Description	: Please refer to user manual of this device
Power supply	: DC 5V/0.5A
Radio Technology	: IEEE 802.11b/g/n/a/ac/ax
Operation Frequency	: For 2.4GHz WiFi IEEE 802.11b/g/n/ax: 2412MHz -2462MHz For 5GHz WiFi IEEE 802.11a/n/ac/ax: 5180MHz-5240MHz, 5745MHz- 5825MHz
Modulation	: For 2.4GHz WiFi: IEEE 802.11b: DSSS (CCK, DQPSK, DBPSK) IEEE 802.11g/n: OFDM (64QAM, 16QAM, QPSK, BPSK) IEEE 802.11ax: OFDMA (1024QAM, 256QAM, 64QAM, 16QAM, QPSK, BPSK) For 5GHz WiFi IEEE 802.11a/n: OFDM (64QAM, 16QAM, QPSK, BPSK) IEEE 802.11ac: OFDM (256QAM, 64QAM, 16QAM, QPSK, BPSK) IEEE 802.11ax: OFDMA (1024QAM, 256QAM, 64QAM, 16QAM, QPSK, BPSK)
Transmitter Rate	: For 2.4GHz WiFi 802.11b: 1, 2, 5.5, 11Mbps 802.11g: 6, 9, 12, 18, 24, 36, 45, 54Mbps 802.11n: MCS0 – MCS07 for HT20/40 802.11ax: MCS0 – MCS11 for HE 20/40 For 5GHz WiFi 802.11a: 6, 9, 12, 18, 24, 36, 48, 54Mbps 802.11n: MCS0 -MCS07 for HT20/40 802.11ac: MCS0 -MCS9 for VHT20/40/80 802.11ax: MCS0 -MCS11 for HE20/40/80
Antenna Type	: Ceramic antenna
Antenna Gain	: For 2.4GHz WiFi 2400-2483.5MHz, Max. Peak Gain 0.46 dBi for Antenna 1 For 5GHz WiFi 5150-5250MHz, Max. Peak Gain -0.18 dBi for Antenna 1 5725-5850MHz, Max. Peak Gain 0.19 dBi for Antenna 1 (Declare by customer and the lab isn't responsible for the value)
Tune-up Power	: 2.4GHz WiFi: IEEE 802.11b: Tune-up Power: 14dBm ± 1dB IEEE 802.11g: Tune-up Power: 13dBm ± 1dB IEEE 802.11n(HT20) : Tune-up Power: 11dBm ± 1dB IEEE 802.11n(HT40) : Tune-up Power: 5dBm ± 1dB

	IEEE 802.11ax(HE20): Tune-up Power: 9dBm $\pm$ 1dB IEEE 802.11ax(HE40): Tune-up Power: 5dBm $\pm$ 1dB 5GHz WiFi: Tune-up Power: 14dBm $\pm$ 2dB
--	---

1.2. Test laboratory

Lab Information	Company Name: LabSure Testing Services (Suzhou) Co., Ltd.. Address: Phase II, No.16 Runsheng Road, Suzhou Industrial Park, Suzhou, People's Republic of China. Tel: +86-0512-62531270, E-mail: labsure@lab-sure.com, www.lab-sure.com
Accreditation Certificate	A2LA (Certificate No.: 7346.01) LabSure Testing Services (Suzhou) Co., Ltd.. has been assessed and proved to be in compliance with A2LA. FCC (FCC Designation No.: CN1397) LabSure Testing Services (Suzhou) Co., Ltd.. has been recognized to perform compliance testing on equipment subject to the Commission's Declaration of Conformity (DoC) and Certification rules. IC (IC Designation No.: 32952; CAB No.:CN0182) LabSure Testing Services (Suzhou) Co., Ltd.. has been recognized to perform compliance testing on equipment subject to the Commission's Declaration of Conformity (DoC) and Certification rules.
Note 1: All tests measurement facilities use to collect the measurement data are located at Phase II, No.16 Runsheng Road, Suzhou Industrial Park, Suzhou, China. Note 2: For below 30MHz, lab had performed measurements at test anechoic chamber and comparing to measurements obtained on an open field site. These measurements below 30MHz had been correlated to measurements performed on an OFS. Note 3: The test anechoic chamber in LabSure Testing Services (Suzhou) Co., Ltd. had been calibrated and compared to the open field sites and the test anechoic chamber is shown to be equivalent to or worst case from the open field site.	

2. RF Exposure Evaluation

2.1. Requirement

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 0.2 m normally can be maintained between the user and the device, and below RF Permissible Exposure limit shall comply with.

Limits for General Population/Uncontrolled Exposure

Frequency range (MHz)	Electric field strength (V/m)	Magnetic field strength (A/m)	Power density (mW/cm ²)	Averaging time (minutes)
(i) 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
300-1,500			f/300	<6
1,500-100,000			5	<6
(ii) 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
300-1,500			f/1500	<30
1,500-100,000			1.0	<30

f = frequency in MHz. * = Plane-wave equivalent power density.

Note1: Occupational/controlled exposure limits apply in situations in which persons are exposed as a consequence of their employment provided those persons are fully aware of the potential for exposure and can exercise control over their exposure.

Note2: General population/uncontrolled exposure limits apply in situations in which the general public may be exposed, or in which persons who are exposed as a consequence of their employment may not be fully aware of the potential for exposure or cannot exercise control over

their exposure.

2.2. Calculation method

$$E(\text{V/m}) = \frac{\sqrt{30 \times P \times G}}{d} \quad \text{Power Density: } S(\text{mW/cm}^2) = \frac{E^2}{377}$$

E = Electric field (V/m)

P = Peak RF output power (mW)

G = EUT Antenna numeric gain (numeric)=

d = Separation distance between radiator and human body (m)

The formula can be changed to

We can change the formula to:

$$S = \frac{30 \times P \times G}{377 \times d^2} \quad \text{or, } d = \sqrt{\frac{30 \times P \times G}{377 \times S}}$$

From the peak EUT RF output power, the minimum mobile separation distance, $d=0.2$ m, as well as the gain of the used antenna, the RF power density can be obtained.

2.3. Estimation result

Frequency band	Max. Output Tune-up power (dBm)	Max. Output Tune-up power (mW)	Antenna Gain (dBi)	Antenna Gain (numerical)	Power Density Value (mW/cm ²)	MPE Limit (mW/cm ²)
2.4GHz Wi-Fi	15	31.62	0.46	1.11	0.0070	1.0
5 GHz Wi-Fi	16	39.81	0.19	1.04	0.0082	1.0

Note: The estimation distance is 20 cm.

The EUT has only one antenna and it doesn't support simultaneous transmission of 2.4GHz WiFi and 5GHz WiFi

Conclusion: The results comply with the FCC MPE limit in 47 CFR FCC Part 2.1091 for the RF Exposure of mobile device.

END OF REPORT