

RF EXPOSURE REPORT



Applicant: Askey computer corp.
10F, No. 119, JIANKANG RD. ZHONGHE DIST. NEW TAIPEI
CITY Taiwan 23585

Manufacturer: Askey computer corp.
10F, No. 119, JIANKANG RD. ZHONGHE DIST. NEW TAIPEI
CITY Taiwan 23585

Product Name: Connected DashCAM

Brand Name: ASKEY

Model No.: CDR9030

FCC ID H8NCDR9030

Date of EUT Received: Jan. 31, 2024

Issue Date: Jun. 28, 2024

Approved By

John Yeh

We hereby certify that:

The above equipment was evaluated by SGS Taiwan Ltd. The evaluation in this report is in compliance with FCC Rule Part §2.1091, KDB 447498 D01 v06.

The results of this report relate only to the sample identified in this report.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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Revision History

Report Number	Revision	Description	Issue Date	Revised By	Remark
TESA2402000081E5	00	Original	Jun. 04, 2024	Kimmy Chiou	
TESA2402000081E5	01	Modify address	Jun. 13, 2024	Kimmy Chiou	*
TESA2402000081E5	02	Modify manufacturer address	Jun. 28, 2024	Kimmy Chiou	*

Note:

- 1、The remark "*" indicates modification of the report upon requests from certification body.

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1 DESCRIPTION OF EQUIPMENT UNDER TEST (EUT)

1.1 Product Description

Product Name:	Connected DashCAM
Brand Name:	ASKEY
Model No.:	CDR9030

1.2 Evaluation site

Laboratory	Site Address		FCC Designation number	ISED Company Number	CAB Identifier
SGS Taiwan Ltd. Central RF Lab. (TAF code 3702)	☒	No. 134, Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, 24803, Taiwan.	TW0027	4620A	TW3702
	☐	No. 2, Keji 1st Rd., Guishan Township, Taoyuan County, 333 Taiwan.	TW0028	4620E	
	☐	1F, No. 8, Alley 15, Lane 120, Sec. 1, Nei Hu Road, Neihu District, Taipei City, 222 Taiwan.	TW0029	23862	

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2 FCC MAXIMUM PERMISSIBLE EXPOSURE (MPE)

2.1 FCC Standard Applicable

According to §1.1307(b)(1), systems operating under the provisions of this section shall be operated in a manner that ensure that the public is not exposed to radio frequency energy level in excess of the Commission's guideline.

This is a Mobile device, the MPE is required.

According to §1.1310 and §2.1091 RF exposure is calculated.

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 (minute)
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
1500-100000	/	/	1.0	30

f = frequency in MHz

* = Plane-wave equipment power density

Prediction of MPE limit at a given distance

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

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

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2.2 Power Density Calculation (Worst Case)

FCC Standalone MPE

Operation Mode	Evaluation Frequency (MHz)	Operation Distance (cm)	Max. Output Power Include Tolerance (dBm)	Antenna Gain (dBi)	Max. EIRP (mW)	Power Density (PD) (mW/cm ²)	Limit (mW/cm ²)	Pass / Fail	Power Density / Limit
BT	2480	20	0.7	0.22	1.24	0.0002	1.000	Pass	0.000
WLAN 2.4G	2442	20	20	0.22	105.20	0.021	1.000	Pass	0.021
WLAN 5.2G	5250	20	18	3.07	127.94	0.025	1.000	Pass	0.025
WLAN 5.3G	5350	20	20	2.44	175.39	0.035	1.000	Pass	0.035
WLAN 5.6G	5725	20	20	3.17	207.49	0.041	1.000	Pass	0.041
WLAN 5.8G	5850	20	20	3.17	207.49	0.041	1.000	Pass	0.041
LTE-Band 2	1850	20	23	0.99	250.61	0.050	1.000	Pass	0.050
LTE-Band 4	1710	20	23	1.12	258.23	0.051	1.000	Pass	0.051
LTE-Band 5	824	20	23	-0.64	172.19	0.034	0.549	Pass	0.062
LTE-Band 12	699	20	23	-2.71	106.91	0.021	0.466	Pass	0.045
LTE-Band 13	777	20	23	-2.66	108.14	0.022	0.518	Pass	0.042
LTE-Band 17	704	20	23	-2.71	106.91	0.021	0.469	Pass	0.045
LTE-Band 26	824	20	23	-0.64	172.19	0.034	0.549	Pass	0.062
LTE-Band 26 Part 90	814	20	23	-0.26	187.93	0.037	0.543	Pass	0.068

2.3 Collocated Power Density Calculation

FCC Collocated MPE

Operation Mode	Power Density / Limit	Σ (Power Density / Limit)
BT	0.000	0.130
WLAN 2.4G	0.021	
WLAN 5G	0.041	
WWAN	0.068	

Note:

1. Σ (Power Density / Limit): This is a summation of [(Power Density for each transmitter/antenna included in the simultaneous transmission) / (corresponding MPE limit)].
2. Considering the collocated transmitters, the aggregated (Power Density /limit) is smaller than 1, and MPE of collocated transmitters is compliant

~ End of Report ~

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