

Acer Incorporated

TEST REPORT

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RF Exposure Evaluation Report

Applicant:	Acer Incorporated 8F, 88, Sec.1, Xintai 5th Rd. Xizhi, New Taipei City 221, Taiwan
Product:	Wireless Keyboard
Model No.:	DKR010
Brand Name:	Acer
FCC ID:	HLZDKR010
Test Method/ Standard:	FCC 2.1093 KDB 447498
Test By:	Intertek Testing Services Taiwan Ltd., Hsinchu Laboratory No. 11, Lane 275, Ko-Nan 1 Street, Chia-Tung Li, Shiang-Shan District, Hsinchu City, Taiwan

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Revision History

Report No.	Issue Date	Revision Summary
200700112TWN-001	Jul. 28, 2020	Original report

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1. General Information**1.1 Identification of the EUT**

Product:	Wireless Keyboard
Model No.:	DKR010
Operating Frequency:	2402 MHz ~ 2480 MHz
S/N Number:	GPKBD1101E921000014Z01
SW Version:	V05_Ex33EE
Test Software Version:	1.9.5.2
Power Setting:	0 dBm
Channel Number:	1. 79 channels for 2402 MHz ~ 2480 MHz (BTC) 2. 40 channels for 2402 MHz ~ 2480 MHz (BLE)
Access scheme:	GFSK, $\pi/4$ DQPSK, 8DPSK
Rated Power:	3.8Vdc from Battery or 5Vdc from USB
Power Cord:	N/A
Sample receiving date:	Jul. 09, 2020
Sample condition:	Workable
Test Date(s):	Jul. 14, 2020 ~ Jul. 17, 2020

1.2 Antenna description

Antenna Gain : 2.78 dBi
Antenna Type : PCB antenna
Connector Type : Fixed

1.3 Peripherals equipment

Peripherals	Brand	Model No.	Serial No.	Data cable
Notebook PC	HP	HP ProBook 440 G3	5CD8021S9H	USB To UART 1.5 meter x 1

2. Test specifications

2.1 RF Exposure calculations

According to KDB 447498 D01 , Mobile and Portable Devices RF Exposure Procedures and Equipment Authorization Policies v06.

Clause 4.3: General SAR test reduction and exclusion guidance Sub , clause 4.3.1: Standalone SAR test exclusion considerations

a) The 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6GHz at test separation distance \leq 5 mm are determined by:

$[(\text{max. power of channel, including tune-up tolerance, mW})/(\text{min. test separation, mm})]*[\sqrt{f(\text{GHz})}] \leq 3.0$ for 1-g SAR

$[(\text{max. power of channel, including tune-up tolerance, mW})/(\text{min. test separation, mm})]*[\sqrt{f(\text{GHz})}] \leq 7.5$ for 10-g SAR

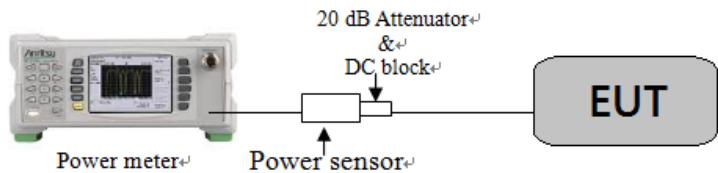
2.2 Operation mode

The EUT was supplied with DC 5 V from USB port (Test voltage: 120Vac, 60Hz).

Connected to Notebook via USB To UART Cable, executing “BlueTool 1.9.5.2” and select different frequency and modulation.

2.3 Test equipment

Equipment	Brand	Model No.	Serial No.	Calibration Date	Next Calibration Date
Power Meter	Anritsu	ML2495A	0844001	2019/10/23	2020/10/21
Power Sensor	Anritsu	MA2411B	0738452	2019/10/23	2020/10/21

2.4 Test Set-up

3. Test results

Mode	Frequency (GHz)	Conducted Power (dBm)	Tune-up Tolerance	Max Power (dBm)	Max Power (mW)	Result	SAR Test Exclusion Threshold	Exempt from Test?
V2.1+EDR	2.402~2.48	-3.28	1	-2.28	0.59	0.186	3.0	Yes
BLE	2.402~2.48	-3.29	1	-2.29	0.59	0.186	3.0	Yes