

MPE TEST REPORT

Report No.: SHE22060072-02BE

Date: 2022-07-19

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Applicant : Beyonics Technology Electronic (Changshu) Co., Ltd.
Address of Applicant : 18 Yinhuan Road, Changshu New & Hi-tech Industrial
Development Zone of Jiangsu, Changshu, Jiangsu
215500, China

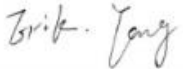
Product Name : Good Remote 2023
Brand Name : VIZIO
Model No. : XRT270
Sample No. : E22060072-02#01
E22060072-02#02


FCC ID : 2A7Y5-XRT270
Standards : FCC Part 2.1093

Date of Receipt : 2022-07-12
Date of Test : 2022-07-14~ 2022-07-18
Date of Issue : 2022-07-19

Remark:

This report details the results of the testing carried out on one sample, the results contained in this report do not relate to other samples of the same product. The manufacturer should ensure that all products in series production are in conformity with the product sample detailed in this report.

Prepared by: 
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1 General Information

1.1 Testing Laboratory

Company Name	ICAS Testing Technology Services (Shanghai) Co., Ltd.
Address	No.1298, Pingan Road, Minhang District, Shanghai, China
Telephone	0086 21-51682999
Fax	0086 21-54711112
Homepage	www.icasiso.com

1.2 Environmental conditions

Temperature (°C)	18-25
Humidity (%RH)	40-65
Barometric Pressure (mbar)	960-1060
Ambient noise & Reflection (W/kg)	< 0.012

1.3 Details of Application

Applicant Company Name	Beyonics Technology Electronic (Changshu) Co., Ltd.
Address	18 Yinhuan Road, Changshu New & Hi-tech Industrial Development Zone of Jiangsu, Changshu, Jiangsu 215500, China
Contact Person	Pillar Chen
Telephone	+86 51252351155
Email	chenlp@cn.beyonics.com
Manufacturer Company Name	Beyonics Technology Electronic (Changshu) Co., Ltd.
Address	18 Yinhuan Road, Changshu New & Hi-tech Industrial Development Zone of Jiangsu, Changshu, Jiangsu 215500, China

1.4 Details of EUT

Product Name	Good Remote 2023
Brand Name	VIZIO
Test Model No.	XRT270
FCC ID	2A7Y5-XRT270
Mode of Operation	Bluetooth BLE 1M/2M
Frequency Range	2400MHz ~ 2483.5MHz
Modulation Type	GFSK
Antenna Type	PCB Antenna
Antenna Gain	1.0dBi
Hardware version	V1.0
Software version	V1.0

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2 Assessment methods

According to 447498 D01 General RF Exposure Guidance v06

The 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances ≤ 50 mm are determined by:

$[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHz})}] \leq 3.0$ for 1-g SAR and ≤ 7.5 for 10-g extremity SAR.

Where $f(\text{GHz})$ is the RF channel transmit frequency in GHz

Power and distance are rounded to the nearest mW and mm before calculation

Test Data

Mode	Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)
BLE	GFSK	0	2402	3.40
		19	2440	3.15
		39	2480	2.40

Note: This report listed the worst case peak power value, please refer to RF test report for more details.

Turn-up power

Mode	Power Range (dBm)
BLE	2.00-4.00

Turn-up Power (dBm)	Turn-up Power (mW)	Separation Distance (mm)	Frequency (GHz)	Value	Exclusion Thresholds
4.00	2.51	5	2.402	0.778	3.0

3 Conclusion

Per KDB 447498 D01v06, when the minimum test separation distance is < 5 mm, a distance of 5 mm is applied to determine SAR test exclusion. The test exclusion threshold is 0.778 which is < 3.0 , SAR testing is not required.

RF exposure Evaluation Results: Compliance

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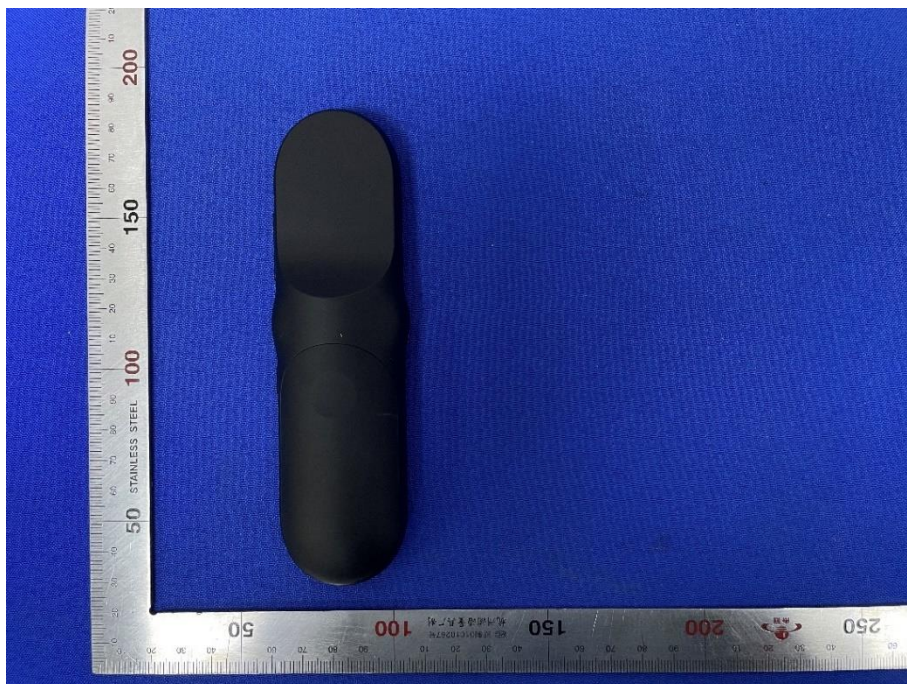
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4 Appendixes

4.1 Sample Photograph



Front of the sample



Rear of the sample

End of the report