SAR EXEMPTION REPORT

Report Number: 15685137-E2V1

Applicant	:	Hunter Douglas Window Fashions 1 Duette Way Broomfield, CO 80020, US
Model	:	2021000193
FCC ID	:	UXURC4U6
IC	:	7316A-RC4U6
EUT Description	:	5CH BLE Remote
Test Standard(s)	:	FCC Part 1 Subpart I FCC Part 2 Subpart J RSS 102 ISSUE 6

Date Of Issue:
2025-05-21

Prepared by:
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CERT #0751.05

Revision History

Rev.	Issue Date	Revisions	Revised By
V1	2025-05-21	Initial Issue	---

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1. ATTESTATION OF TEST RESULTS

COMPANY NAME: Hunter Douglas Window Fashions
1 Duette Way
Broomfield, CO 80020, US

EUT DESCRIPTION: 5CH BLE Remote

MODEL: 2021000193

APPLICABLE STANDARDS	
STANDARD	**TEST RESULTS**
FCC PART 1 SUBPART I & PART 2 SUBPART J	Complies
RSS 102 ISSUE 6	Complies

UL Verification Services Inc. tested the above equipment in accordance with the requirements set forth in the above standards. The test results show that the equipment tested is capable of demonstrating compliance with the requirements as documented in this report.

The results documented in this report apply only to the tested sample, under the conditions and modes of operation as described herein. It is the manufacturer's responsibility to assure that additional production units of this model are manufactured with identical electrical and mechanical components. All samples tested were in good operating condition throughout the entire test program. Measurement Uncertainties are published for informational purposes only and were not taken into account unless noted otherwise.

This document may not be altered or revised in any way unless done so by UL Verification Services Inc. and all revisions are duly noted in the revisions section. Any alteration of this document not carried out by UL Verification Services Inc. will constitute fraud and shall nullify the document.

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2. TEST METHODOLOGY

All calculations were made in accordance with:

- FCC Parts 1.1310, 2.1091, 2.1093
- FCC KDB 447498 D01 v06
- KDB 447498 D03 V01
- IEEE Std C95.1-2019+Cor2-2020, IEEE Std C95.3-2021
- IC Safety Code 6
- RSS 102 Issue 6 - Radio Frequency (RF) Exposure Radiocommunication Apparatus (All Frequency Bands)
- RSS-102.SAR.MEAS Issue 1 - Measurement Procedure for Assessing Specific Absorption Rate (SAR) Compliance in Accordance with RSS-102

3. REFERENCES

This report contains data provided by the customer which can impact the validity of results. UL Verification Services Inc. is only responsible for the validity of results after the integration of the data provided by the customer.

All measurements were made using the declared maximum output power documented in the operational description.

Duty cycle and Antenna gain data is excerpted from the applicable test reports and product documentation provided by the applicant.

4. FACILITIES AND ACCREDITATION

UL Verification Services is accredited by A2LA, certification #0751.05, for all testing performed within the scope of this report. Testing was performed at the locations noted below.

	Address	ISED CABID	ISED Company Number	FCC Registration
☒	Building 1: 47173 Benicia Street, Fremont, CA 94538, USA	US0104	2324A	550739
☐	Building 2: 47266 Benicia Street, Fremont, CA 94538, USA			
☐	Building 3: 843 Auburn Court, Fremont, CA 94538, USA			
☐	Building 4: 47658 Kato Rd, Fremont, CA 94538, USA			
☐	Building 5: 47670 Kato Rd, Fremont, CA 94538, USA			

5. EQUIPMENT UNDER TEST

5.1. DESCRIPTION OF EUT

The EUT is a 5CH BLE Remote. It is a limited module and tested on a test zig.

5.2. MAXIMUM OUTPUT POWER

The maximum peak output power of the device is declared by the manufacturer as the following.

Frequency Range (MHz)	Mode	Output Power (dBm)	Output Power (mW)
2402 - 2480	BLE	5.00	3.16

5.3. DESCRIPTION OF AVAILABLE ANTENNAS

The antenna(s) and type, as provided by the manufacturer' are as follows:

The radio utilizes a PCB Trace antenna, with a maximum gain of 1.5 dBi.

6. STANDALONE SAR TEST EXCLUSION CONSIDERATIONS

6.1. FCC

SAR test exclusion in accordance with KDB 447498 D01

a) For 100 MHz to 6 GHz and test separation distances ≤ 50 mm, the 1-g and 10-g SAR test exclusion thresholds are determined by the following: [(max. power of channel, including tune-up tolerance, mW) / (min. test separation distance, mm)] · [$\sqrt{f_{(GHz)}}$] ≤ 3.0 for 1-g SAR, and ≤ 7.5 for 10-g extremity SAR, where

- $f_{(GHz)}$ is the RF channel transmit frequency in GHz
- Power and distance are rounded to the nearest mW and mm before calculation
- The result is rounded to one decimal place for comparison
- The values 3.0 and 7.5 are referred to as numeric thresholds in step b) below.

The test exclusions are applicable only when the minimum test separation distance is ≤ 50 mm, and for transmission frequencies between 100 MHz and 6 GHz. When the minimum test separation distance is < 5 mm, a distance of 5 mm according to 4.1 f) is applied to determine SAR test exclusion.

SAR Test Exclusion Thresholds for 100 MHz – 6 GHz and ≤ 50 mm

Technology	Frequency (GHz)	Output Power		Min. test separation distance (mm)	Calculated Exclusion Threshold	Exclusion Threshold	SAR Test Required?
		dBm	mW				10g
BLE	2.480	5.0	3.16	5	1.0	7.5	No

Conclusion:

1. Table used maximum declared peak output power as worst case.
2. The computed value is ≤ 3; therefore, EUT qualifies for Standalone 1-g body SAR test exclusion.
3. The computed value is ≤ 7.5; therefore, EUT qualifies for Standalone 10-g extremity SAR test exclusion.

6.2. ISED

RSS-102 Issue 6 Clause 6 Exemption Limits for Routine Evaluation

Clause 6.3 SAR exemption limits
Devices operating at or below the applicable output power levels (adjusted for tune-up tolerance) specified in table 11, based on the separation distance, are exempt from SAR evaluation. The separation distance, defined as the distance between the user and/or bystander and the antenna and/or radiating element of the device or the outer surface of the device, shall be less than or equal to 20 cm for these exemption limits to apply.

Table 11: Power limits for exemption from routine SAR evaluation based on the separation distance

Frequency (MHz)	≤ 5 mm (mW)	10 mm (mW)	15 mm (mW)	20 mm (mW)	25 mm (mW)	30 mm (mW)	35 mm (mW)	40 mm (mW)	45 mm (mW)	> 50 mm (mW)
≤ 300	45	116	139	163	189	216	246	280	319	362
450	32	71	87	104	124	147	175	208	248	296
835	21	32	41	54	72	96	129	172	228	298
1900	6	10	18	33	57	92	138	194	257	323
2450	3	7	16	32	56	89	128	170	209	245
3500	2	6	15	29	50	72	94	114	134	158
5800	1	5	13	23	32	41	54	74	102	128

Notes:

1) Output power level shall be the higher of the maximum conducted or equivalent isotropically radiated power (e.i.r.p) source-based, time-averaged output power.

2) For limb-worn devices where the 10 gram value applies, the exemption limits for routine evaluation in Table 11 are multiplied by a factor of 2.5.

3) If the operating frequency of the device is between two frequencies located in Table 11, linear interpolation shall be applied for the applicable separation distance. For test separation distance less than 5 mm, the exemption limits for a separation distance of 5 mm can be applied to determine if a routine evaluation is required.

Exemption Justification

Technology	Frequency (MHz)	Max Output Power		Antenna Gain (dBi)	EIRP		Separation Distance (mm)	Exemption Limit (mW)	SAR Test Required?
		dBm	mW		dBm	mW		10g	10g
BLE	2480.0	5.0	3.16	1.5	6.5	4.47	0	7.5	No

Conclusion:
1. Table used maximum declared peak output power as worst case.
2. Max Output Power or Total EIRP (whichever is greater) is < the Exemption limit for the given separation distance. Therefore, BLE qualifies for **limb-worn devices** SAR test exemption.

END OF TEST REPORT