



SAR EVALUATION REPORT

**FCC 47 CFR § 2.1093
IEEE Std 1528-2013**

For

WIRELESS STEREO BLUETOOTH HEADSET

**FCC ID: AL8-BBG3
Model Name: BackBeat GO 3**

**Report Number: 16U23024-S1V1
Issue Date: 3/10/2016**

Prepared for

**PLANTRONICS INC.
345 ENCINAL STREET
SANTA CRUZ, CA 95060**

Prepared by

**UL VERIFICATION SERVICES INC.
47173 BENICIA STREET
FREMONT, CA 94538, U.S.A.
TEL: (510) 771-1000
FAX: (510) 661-0888**



NVLAP LAB CODE 200065-0



REVISION HISTORY

Rev.	Date	Revisions	Revised By
V1	3/10/2016	Initial Issue	--

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1. Attestation of Test Results

Applicant Name	PLANTRONICS INC.	
FCC Certification ID	AL8-BBG3	
Model Name	BACKBEAT GO 3	
EUT Description	WIRELESS STEREO BLUETOOTH HEADSET	
Exposure Category	General Population/Uncontrolled Exposure	
Applicable Standards	FCC 47 CFR § 2.1093 Published RF exposure KDB procedures IEEE Std 1528-2013	
SAR Limits (W/Kg)		
Exposure Category	Peak spatial-average(1g of tissue)	Extremities (hands, wrists, ankles, etc.) (10g of tissue)
General population/ Uncontrolled exposure	1.6	4
<p>UL Verification Services Inc. tested the above equipment in accordance with the requirements set forth in the above standards. All indications of Pass/Fail in this report are opinions expressed by UL Verification Services Inc. based on interpretations and/or observations of test results. Measurement Uncertainties were not taken into account and are published for informational purposes only. The test results show that the equipment tested is capable of demonstrating compliance with the requirements as documented in this report.</p> <p>Note: The results documented in this report apply only to the tested sample, under the conditions and modes of operation as described herein. 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. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, any agency of the Federal Government, or any agency of any government (NIST Handbook 150, Annex A). This report is written to support regulatory compliance of the applicable standards stated above.</p>		
Approved & Released By:	Prepared By:	
		
David Weaver Program Manager UL Verification Services Inc.	Coltyce Sanders Laboratory Engineer UL Verification Services Inc.	

2. Test Specification, Methods and Procedures

The tests documented in this report were performed in accordance with FCC 47 CFR § 2.1093, IEEE STD 1528-2013, the following FCC Published RF exposure KDB procedures:

- 865664 D01 SAR measurement 100 MHz to 6 GHz v01r04
- 865664 D02 RF Exposure Reporting v01r02
- 690783 D01 SAR Listings on Grants v01r03
- 447498 D01 General RF Exposure Guidance v06
- 447498 D03 Supplement C Cross-Reference v01

3. Facilities and Accreditation

The test sites and measurement facilities used to collect data are located at

47173 Benicia Street	47266 Benicia Street
SAR Lab A	SAR Lab 1
SAR Lab B	SAR Lab 2
SAR Lab C	SAR Lab 3
SAR Lab D	SAR Lab 4
SAR Lab E	
SAR Lab F	
SAR Lab G	
SAR Lab H	

UL Verification Services Inc. is accredited by NVLAP, Laboratory Code 200065-0.

4. Device Under Test (DUT) Information

4.1. DUT Description

Device Dimension	Refer to User Manual for EUT Dimensions		
Back Cover	<input checked="" type="checkbox"/> The rechargeable battery is not user accessible.		
Battery Options	<input checked="" type="checkbox"/> The rechargeable battery is not user accessible.		
Wireless Router (Hotspot)	Not Supported		
Wi-Fi Direct	Not Supported		
Test sample information	S/N	IMEI	Notes
	N/A	N/A	N/A

4.2. Wireless Technologies

Wireless technologies	Frequency bands	Operating mode
Bluetooth	2.4 GHz	Version 3.0 + HS

4.3. Nominal and Maximum Output Power

RF Air interface	Mode	Max. RF Output Power (dBm)
Bluetooth		6.7

4.4. Separation distance

Wireless technologies	RF Exposure Conditions	DUT-to-User Separation	Antenna-to-edge/surface
Bluetooth	Head	0 mm	N/A

5. Standalone SAR Test Exclusion Considerations

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
- The result is rounded to one decimal place for comparison

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 is applied to determine SAR test exclusion.**

Head Exposure Condition

RF Air Interface	Max. tune-up tolerance limit		Min. test separation distance (mm)	Frequency (GHz)	SAR test exclusion Result*
	(dBm)	(mW)			
Bluetooth	6.7	5	0	2.480	1.6

Conclusion:

*: The computed values are ≤ 3 ; therefore, Bluetooth qualifies for Standalone SAR test exclusion.

END OF REPORT