

Prüfbericht-Nr.: Test report no.:	CN22DRUQ 003	Auftrags-Nr.: Order no.:	168386361	Seite 1 von 3 Page 1 of 3
Kunden-Referenz-Nr.: Client reference no.:	N/A	Auftragsdatum: Order date:	2022-08-15	
Auftraggeber: Client:	Dometic Corporation 5155 Verdant Drive Elkhart IN 46516 USA			
Prüfgegenstand: Test item:	Area Camp Light			
Bezeichnung / Typ-Nr.: Identification / Type no.:	GLO-A400 (Trademark: DOMETIC)			
Auftrags-Inhalt: Order content:	Test Report			
Prüfgrundlage: Test specification:	CFR47 FCC Part 2: Section 2.1093 CFR47 FCC Part 1: Section 1.1310 KDB 447498 D01 General RF Exposure Guidance v06			
Wareneingangsdatum: Date of sample receipt:	2022-08-24	Please refer to Photo Document		
Prüfmuster-Nr.: Test sample no:	A003323193-001~002 A003314872-016 /020			
Prüfzeitraum: Testing period:	2022-09-01 – 2022-09-16			
Ort der Prüfung: Place of testing:	TÜV Rheinland (Shenzhen) Co., Ltd.			
Prüflaboratorium: Testing laboratory:	TÜV Rheinland (Shenzhen) Co., Ltd.			
Prüfergebnis*: Test result*:	Pass			
geprüft von: tested by:	genehmigt von: authorized by:			
Datum: Date: 2023-02-15	Ausstellungsdatum: Issue date: 2023-02-15			
Stellung / Position: Assistant Project Manager	Stellung / Position: Reviewer			
Sonstiges / Other: FCC ID: 2A86X-LIGHTPB02				
Zustand des Prüfgegenstandes bei Anlieferung: Condition of the test item at delivery:		Prüfmuster vollständig und unbeschädigt Test item complete and undamaged		
* Legende: 1 = sehr gut 2 = gut 3 = befriedigend 4 = ausreichend 5 = mangelhaft P(ass) = entspricht o.g. Prüfgrundlage(n) F(ail) = entspricht nicht o.g. Prüfgrundlage(n) N/A = nicht anwendbar N/T = nicht getestet * Legend: 1 = very good 2 = good 3 = satisfactory 4 = sufficient 5 = poor P(ass) = passed a.m. test specification(s) F(ail) = failed a.m. test specification(s) N/A = not applicable N/T = not tested				
Dieser Prüfbericht bezieht sich nur auf das o.g. Prüfmuster und darf ohne Genehmigung der Prüfstelle nicht auszugsweise vervielfältigt werden. Dieser Bericht berechtigt nicht zur Verwendung eines Prüfzeichens. This test report only relates to the a. m. test sample. Without permission of the test center this test report is not permitted to be duplicated in extracts. This test report does not entitle to carry any test mark.				

1. Radio Frequency Exposure

RESULT:**Pass**

Test standard : FCC Part 2: Section 2.1093
CFR47 FCC Part 1: Section 1.1310
KDB 447498 D01 General RF Exposure Guidance v06

1.1 Product Technical Information

The EUT is a Area Camp Light, it supports Buletooth BLE(1Mbps,2Mbps) wireless technology.

For details refer to the User Manual, Technical Description and Circuit Diagram.

General Information of EUT	Value
Kind of Equipment	Area Camp Light
Type Designation	GLO-A400
Operating Voltage	USB-C operated (5Vdc) or Internal battery operated (3.7Vdc)
Radiofrequency operating mode	Bluetooth BLE: operating within 2400-2483.5MHz, 1Mbps&2Mbps
FCC ID	2A86X-LIGHTPB02
Technical Specification of Bluetooth	
Operating Frequency	2402-2480MHz
Type of Modulation	GFSK
Data Rate	1Mbps, 2Mbps
Channel Number	40 channels for Bluetooth BLE
Channel Separation	1MHz and 2MHz
Antenna Type	Integral Antenna
Antenna Number	1
Antenna Gain	1.71 dBi
The type of wideband data transmission equipment	Non-FHSS

1.2 Result:

According to the KDB 447498 D1 v06 section 4.3.1:

The maximum conducted output power for the EUT is 4.04dBm=2.54mW.

The SAR Exclusion Threshold Level for 1-g extremity SAR:

= $3.0 * (\text{min. test separation distance, mm}) / \sqrt{\text{freq. in GHz}}$

= $3.0 * 5 / \sqrt{2.480}$ mW

= 9.53 mW

Since the max. conducted output power is well below the SAR low threshold level, so the EUT is considered to comply with SAR requirement without testing.