

GENERAL INFORMATION

FCCID: 2AFG9-E95

1.1. Product description



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Universe	Sport
Type	Lighting
Category	PERFORMANCE headlamps
Subcategory	PERFORMANCE headlamps



REACTIK +

With 240 lumens of power, the REACTIK + headlamp offers outdoor enthusiasts a compact, intelligent, connected, rechargeable solution. Thanks to the MyPetzl Light mobile app, the user may at any time consult his smart phone or tablet to check the remaining battery life and adapt the performance of the headlamp to the activity: trail running, mountaineering, trekking, bivouac... He simply downloads the profiles provided or creates his own personalized ones. During the activity, with REACTIVE LIGHTING technology, REACTIK + analyzes the ambient light and adjusts brightness instantly to user requirements. Battery life is optimized and the manipulations reduced to a minimum!



Multi-beam light source works with a light sensor which controls REACTIVE LIGHTING.



Customize lighting with the MyPetzl Light app. Compatible with smart phone or tablet.



Charge with USB port.



Washable and adjustable headband has two-part construction for optimal positioning during dynamic activities.



LCIE
Laboratoire de Moirans
Z.I. Centr'Alp
170, Rue de Chatagnon
38430 MOIRANS-FRANCE



1.2. Tested System Details



Equipment Under Test

Power supply:

During all the tests, EUT is supplied by V_{nom} : 3.7VDC

For measurement with different voltage, it will be presented in test method.

Name	Type	Rating	Reference / Sn	Comments
Supply1	<input type="checkbox"/> AC <input type="checkbox"/> DC <input checked="" type="checkbox"/> Battery	3.7VDC	E920975C01	-

Inputs/outputs - Cable:

Access	Type	Length used (m)	Declared <3m	Shielded	Under test	Comments
Power supply	USB	0.2	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	-

Auxiliary equipment used during test:

Type	Reference	Sn	Comments
Power supply DC	TDK	-	A7044059
Laptop	DELL LATITUDE	-	-

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Equipment information:

Bluetooth LE Type:	<input type="checkbox"/> v4.0		<input checked="" type="checkbox"/> v4.1
Frequency band:	[2400 – 2483.5] MHz		
Spectrum Modulation:	<input checked="" type="checkbox"/> DSSS (Tested like it)		
Number of Channel:	40		
Spacing channel:	2MHz		
Channel bandwidth:	1MHz		
Antenna Type:	<input checked="" type="checkbox"/> Integral	<input type="checkbox"/> External	<input type="checkbox"/> Dedicated
Antenna connector:	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Temporary for test
Transmit chains:	<input checked="" type="checkbox"/> 1		
	Single antenna		
	Gain: -4.5dBi		
Beam forming gain:	No		
Receiver chains	1		
Type of equipment:	<input checked="" type="checkbox"/> Stand-alone	<input type="checkbox"/> Plug-in	<input type="checkbox"/> Combined
Duty cycle:	<input checked="" type="checkbox"/> Continuous duty	<input type="checkbox"/> Intermittent duty	<input type="checkbox"/> 100% duty
Equipment type:	<input type="checkbox"/> Production model		<input checked="" type="checkbox"/> Pre-production model
Operating temperature range:	Tmin:	<input checked="" type="checkbox"/> -20°C	<input type="checkbox"/> 0°C
	Tnom:	20°C	
	Tmax:	<input type="checkbox"/> 35°C	<input type="checkbox"/> 55°C
Type of power source:	<input type="checkbox"/> AC power supply	<input checked="" type="checkbox"/> DC power supply	<input checked="" type="checkbox"/> Battery (Lithium)
Operating voltage range:	Vnom:	<input type="checkbox"/> 230V/50Hz	<input checked="" type="checkbox"/> 3.7Vdc

1.3. Test Methodology

Both conducted and radiated testing were performed according to the procedures in ANSI C63.10 2013, FCC Part 15 Subpart C.

Radiated testing was performed at an antenna to EUT distance of 10 meters. During testing, all equipment's and cables were moved relative to each other in order to identify the worst case set-up.

1.4. Test facility

Tests have been performed on May 11th, 2015 to May 22th, 2015.

This test facility has been fully described in a report and accepted by FCC as compliant with the radiated and AC line conducted test site criteria in ANSI C63.10 2013 (registration number 94821).

This test facility has also been accredited by COFRAC (French accreditation authority for European Union test lab accreditation organization) according to NF EN ISO/IEC 17025, accreditation number 1-1633 as compliant with test site criteria and competence in 47 CFR Part 15/ANSI C63.4 and EN55022/CISPR22 norms for 89/336/EEC European EMC Directive application. All pertinent data for this test facility remains unchanged.