Prüfbericht - Nr.: *Test Report No.:*	**50214197 001**	**Auftrags-Nr.:** *Order No:*	1160054277	Seite 1 von 2 *Page 1 of 2*
Kunden-Referenz-Nr.: *Client Reference No.:*	N/A	**Auftragsdatum:** *Order date:*	27.12.2018	
Auftraggeber: *Client:*	Ring LLC 1523 26th St, Santa Monica, CA 90404, USA			
Prüfgegenstand: *Test item:*	Floodlight Battery			
Bezeichnung / Typ-Nr. : *Identification / Type No. :*	5B21S8			
Auftrags-Inhalt: *Order content:*	TÜV Rheinland – Radio Frequency Exposure Compliance			
Prüfgrundlage: *Test specification:*	**FCC Part1-1.1307(b)(1)** **ANSI/IEEE C95.1-1992**			
Wareneingangsdatum: *Date of receipt:*	21.12.2018			
Prüfmuster-Nr.: *Test sample No.:*	A000860702-001/002			
Prüfzeitraum: *Testing period:*	29.12.2018			
Ort der Prüfung: *Place of testing:*	TÜV Rheinland / CCIC (Ningbo) Co., Ltd.			
Prüflaboratorium: *Testing laboratory:*	TÜV Rheinland / CCIC (Ningbo) Co., Ltd.			
Prüfergebnis∗: *Test result∗:*	Pass			

geprüft/ *tested by:*

03.01.2019	Season Yang/PE	Season Yang
Datum *Date*	**Name/Stellung** *Name/Position*	**Unterschrift** *Signature*

kontrolliert/ *reviewed by:*

03.01.2019	Feng Liang /TC	Feng Liang
Datum *Date*	**Name/Stellung** *Name/Position*	**Unterschrift** *Signature*

Sonstiges/ *Other:*

Refer to page 2 for further information.

Zustand des Prüfgegenstandes bei Anlieferung: *Condition of the test item at delivery :*	Prüfmuster vollständing 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 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*

Radio Frequency Exposure Compliance

Electromagnetic Fields

Result: Pass

The EUT belongs portable device and according to Appendix A of KDB447498, the maximum power for test exclusion is 16mW for 900MHz and 10mW for 2.4GHz. Due to the highest power of the EUT is 0.67mW for 900MHz and 0.0002mW for 2400MHz, it deems to be comply with the test exclusion requirement for each operating frequency.

Meanwhile, as the two wireless module of the EUT can be transmitted simultaneously via two different antenna. Hence according to the following clause of KDB447498,

"When an antenna qualifies for the standalone SAR test exclusion of 4.3.1 and also transmits simultaneously with other antennas, the standalone SAR value must be estimated according to the following to determine the simultaneous transmission SAR test exclusion criteria:36
1) [(max. power of channel, including tune-up tolerance, mW) / (min. test separation distance, mm)]·[√f(GHz)/x] W/kg, for test separation distances ≤ 50 mm;
where x = 7.5 for 1-g SAR and x = 18.75 for 10-g SAR."

Test result of Peak Output Power, BLE

Channel	Channel Frequency (MHz)	Peak Output Power (dBm)	Antenna Gain	Maximum EIPR (dBm)
Low Channel	2402	-37.17	2dBi	-34.6
Mid Channel	2440	-36.67		
High Channel	2480	-36.6		

Test result of Peak Output Power, 902-928MHz Wireless

Channel	Channel Frequency (MHz)	Peak Output Power (dBm)	Antenna Gain	Maximum EIPR (dBm)
Low Channel	902.5	-1.7	-5.7dBi	-7.4
Mid Channel	913.7	-3.41		
High Channel	927.3	-5.38		

The calculated result is: 0.017W/kg which is lower than the limit 1.6W/kg. Hence the product meet the radio frequency exposure requirement.