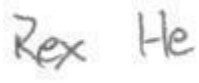
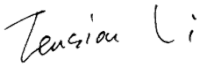
Test Report Number:	**LCZE24120052**	***Total Page(s):*** 3
Applicant Name:	Tru-Scapes	
Applicant Address:	121 Independence Lane, Chalfont, PENNSYLVANIA, USA	
Product Name:	DECK LIGHT	
Model / Type Reference:	TS-EXT-001-BLK, TS-C125C-xxx, TS-C140C-xxx, TS-C145C-xxx, TS-PL102-xxx, TSS-AS300-xxx	
FCC ID:	2BM2Q-DECKLIGHT	
Date of Issue:	2025-05-16	
Testing Laboratory:	LCTECH Guangdong Testing Services Co., Ltd. 2/F.,Technology and Enterprise Development Center, Guangyuan Road, Xiaolan, Zhongshan, Guangdong, China	
Test Specification:	KDB 447498 D01 General RF Exposure Guidance v06	
Test Result:	Passed	

Compiled by:			**Reviewed by:**		
2025-05-16	Rex He		2025-05-16	Tension Li	
Date	*Name*	*Signature*	*Date*	*Name*	*Signature*

Remark:

N/A

RF Exposure Evaluation

Limits

Frequency range (MHz)	Electric field strength (V/m)	Magnetic field strength (A/m)	Power density(mW /cm^2)	Averaging time (minutes)
(A)Limits for Occupational/Controlled Exposures				
0.3-3.0	614	1.63	*(100)	6
3.0-30	1842/f	4.89/f	*(900/f^2)	6
30-300	61.4	0.163	1.0	6
300-1500			f/300	6
1500-100,000			5	6
(B)Limits for GeneralPopulation/UncontrolledExposure				
0.3-1.34	614	1.63	*(100)	30
1.34-30	824/f	2.19/f	*(180/f^2)	30
30-300	27.5	0.073	0.2	30
300-1500			f/1500	30
1500-100,000			1.0	30

f = frequency in MHz

Friis transmission formula:**Pd = (Pout*G)/(4*pi*r^2)**

Where

Pd =power density in mW/cm^2,**Pout**= output power to antenna in mW;

G = gain of antennainlinear scale,**Pi**=3.1416;

R = distance between observationpoint andcenter of theradiatorincm

Pdid the limit of MPE,1mW/cm^2.If weknow themaximum gain of the antennaandthetotalpowerinputtothe antenna, through the calculation, we willknow the distancer where theMPE limitisreached.

Test Procedure

Softwareprovidedby client enabled theEUT to transmit andreceive data atlowest,middleandhighestchannel individually.

Test Result of RF Exposure Evaluation

BLE mode

Channel	Output power to antenna(dBm)	Output power to antenna(mW)	Power Density at R=20cm (mW/cm2)	Limit (mW/cm2)	Result
2402MHz	8.490	7.063	0.00369	1.0	PASS

Remark: antenna gain=2.63dBi

The max power density is less than MPE exempt limit, so it is compliance.