

<b>Test Report Number:</b>	<b>LCZE24120050</b>	<b>Total Page(s):</b> 2
<b>Applicant Name:</b>	Tru-Scapes	
<b>Applicant Address:</b>	121 Indeoendence Lane, Chalfont, PENNSYLVANIA, USA	
<b>Product Name:</b>	HARDSCAPE LIGHT	
<b>Model / Type Reference:</b>	TS-A6000C	
<b>FCC ID:</b>	2BM2QHARDSCAPELIGHT	
<b>Date of Issue:</b>	2025-01-06	
<b>Testing Laboratory:</b>	LCTECH Guangdong Testing Services Co., Ltd. 2/F.,Technology and Enterprise Development Center, Guangyuan Road, Xiaolan, Zhongshan, Guangdong, China	
<b>Test Specification:</b>	KDB 447498 D01 General RF Exposure Guidance v06	
<b>Test Result:</b>	Passed	
<b>Compiled by:</b>	<b>Reviewed by:</b>	
2025-01-06    Rex He 	2025-01-06    Tension Li 	
<i>Date                      Name                      Signature</i>	<i>Date                      Name                      Signature</i>	
<b>Remark:</b>		
N/A		
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## RF Exposure Evaluation

### Limits

Frequency range (MHz)	Electric field strength (V/m)	Magnetic field strength (A/m)	Power density(mW/cm <sup>2</sup> )	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 <sup>2</sup> )	6
30-300	61.4	0.163	1.0	6
300-1500			f/300	6
1500-100,000			5	6
(B)Limits for General Population/Uncontrolled Exposure				
0.3-1.34	614	1.63	*(100)	30
1.34-30	824/f	2.19/f	*(180/f <sup>2</sup> )	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 for mula:  **$Pd = (Pout \cdot G) / (4 \cdot \pi \cdot r^2)$**

Where

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

**G** = gain of antenna in linear scale,**Pi**=3.1416;

**R** = distance between observation point and center of the radiator in cm

Pdid the limit of MPE,1mW/cm<sup>2</sup>.If we know the maximum gain of the antenna and the total power input to the antenna, through the calculation, we will know the distancer where the MPE limitisreached.

### Test Procedure

Software provided by client enabled the EUT to transmit and receive data at lowest, middle and highest channel individually.

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## 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
2480MHz	5.272	3.367	0.00176	1.0	PASS

Remark: antenna gain=2.63dBi

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