TEST REPORT

Product Name	**:**	**Oasis Coffee Table**
Model Number	**:**	**CT0001**
FCC ID	**:**	**2BFEO-003**

Prepared for	:	Grounded Labs Inc
Address	:	254 Chapman Rd Ste 208 #12440, Newark, Delaware 19702 USA
Prepared by	:	EMTEK (SHENZHEN) CO., LTD.
Address	:	Building 69, Majialong Industry Zone, Nanshan District, Shenzhen, Guangdong, China TEL:(0755) 26954280 FAX:(0755) 26954282

Report Number	:	ENS2506190205W01302R
Date of sample receipt	:	Jun 19, 2025
Date(s) of Tests	:	Jun 19, 2025 to Aug 31, 2025
Date of issue	:	Sep 02, 2025

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1. TEST RESULT CERTIFICATION

Applicant	:	Grounded Labs Inc
Address	:	254 Chapman Rd Ste 208 #12440, Newark, Delaware 19702 USA
Manufacturer	:	Grounded Labs Inc
Address	:	254 Chapman Rd Ste 208 #12440, Newark, Delaware 19702 USA
Factory 1	:	JDI Electronics Factory
Address	:	Sima Industrial Zone, Sima Village, Chang Ping Town, Dongguan 523570, Guangdong, China
Factory 2	:	BOI(VIETNAM) COMPANY LIMITED
Address	:	Lot CN-16,Viet Han Industrial Park, Tang Tien Ward, Viet Yen Town, Bac Giang Province, Vietnam
EUT	:	Oasis Coffee Table
Model Name	:	CT0001
Trademark	:	N/A

Measurement Procedure Used:

APPLICABLE STANDARDS	
STANDARD	**TEST RESULT**
§ 15.247(i), § 2.1091	**PASS**

The above equipment was tested by EMTEK (SHENZHEN) CO., LTD. The test data, data evaluation, test procedures, and equipment configurations shown in this report were made in accordance with the procedures given in ANSI C63.10 (2013) and the energy emitted by the sample EUT tested as described in this report is in compliance with the requirements of FCC Rules FCC § 15.247(i), § 2.1091.
The test results of this report relate only to the tested sample identified in this report

Date of Test : Jun 19, 2025 to Aug 31, 2025

Prepared by : Una Yu /Editor

Reviewer : Joe Xia/Supervisor

Approve & Authorized Signer : Lisa Wang/Manager

EMTEK (SHENZHEN) CO., LTD. TESTING

Modified History

Version	Report No.	Revision Date	Summary
	ENS2506190205W01302R	/	Original Report

2. EUT Specification

Characteristics	Description
Product:	Oasis Coffee Table
Model Number:	CT0001
Sample:	1#
Device Type:	2.4G WIFI&BLE
Data Rate:	802.11b 802.11g 802.11n(20MHz channel bandwidth) 802.11n(40MHz channel bandwidth) GFSK(1M,2M)
Modulation:	2.4G WIFI: DSSS with DBPSK/DQPSK/CCK for 802.11b; OFDM with BPSK/QPSK/16QAM/64QAM for 802.11g/n; BLE: GFSK(1M,2M)
Operating Frequency Range(s) :	2.4G WIFI: 2412-2462MHz for 802.11b/g/n(HT20); 2422-2452MHz for 802.11n(HT40); BLE: 2402-2480MHz
Number of Channels:	2.4G WIFI: 11 channels for 802.11b/g/n(HT20); 7 Channels for 802.11n(HT40); BLE: 40 Channels
Transmit Power Max:	2.4G WIFI:13.23 dBm(0.021038 W) BLE:2.57 dBm(0.001807 W)
Antenna Type:	FPC Antenna
Antenna Gain:	2.23 dBi
Power supply:	DC 12.0V from adapter Adapter:Model:PS1060-120T2B500 INPUT:100-240V~50-60Hz 2.0A OUTPUT:12.0V⎓ 5.0A 60.0W Max
Evaluation applied:	☒ MPE Evaluation ☐ SAR Evaluation

3. Test Requirement:

RF EXPOSURE EVALUATION

According to FCC 1.1310: The criteria listed in the following table shall be used to evaluate the environment impact of human exposure to radio frequency(RF) Radiation as specified in §1.1307(b)

Limits for Maximum Permissible Exposure (MPE)

Frequency Range(MHz)	Electric Field Strength(V/m)	Magnetic Field Strength(A/m)	Power Density(mW/cm^2)	Average Time
(A) Limits for Occupational/Control Exposures				
300-1500	**--**	**--**	**F/300**	**6**
1500-100000	**--**	**--**	**5**	**6**
(B) Limits for General Population/Uncontrol Exposures				
300-1500	**--**	**--**	**F/1500**	**6**
1500-100000	**--**	**--**	**1**	**30**

Friis transmission formula: Pd= (Pout*G)\ (4*pi*R2)

Where

Pd= Power density in mW/cm^2

Pout=output power to antenna in mW

G= Numeric gain of the antenna relative to isotropic antenna

Pi=3.1416

R=20, distance between observation point and center of the radiator in cm

Pd the limit of MPE, $1mW/cm^2$. If we know the maximum gain of the nd total power input to the antenna, through the calculation, we will know the distance where the MPE limit is reached.

Measurement Result

Antenna gain: 2.23 dBi

Channel Freq. (MHz)	modulation	conducted power (dBm)	Tune-up power (dBm)	Max		Antenna		Evaluation result (mW/cm2)	Power density Limits (mW/cm2)
				tune-up power		Gain			
				(dBm)	(mW)	(dBi)	Numeric		
2402	GFSK（1M）	-0.9	0±1	1	1.259	2.23	1.67	0.0004	1
2440		2.1	2±1	3	1.995	2.23	1.67	0.0007	1
2480		2.53	2±1	3	1.995	2.23	1.67	0.0007	1
2402	GFSK（2M）	-0.63	0±1	1	1.259	2.23	1.67	0.0004	1
2440		2.31	2±1	3	1.995	2.23	1.67	0.0007	1
2480		2.57	2±1	3	1.995	2.23	1.67	0.0007	1

Channel Freq. (MHz)	modulation	conducted power (dBm)	Tune-up power (dBm)	Max		Antenna		Evaluation result (mW/cm2)	Power density Limits (mW/cm2)
				tune-up power		Gain			
				(dBm)	(mW)	(dBi)	Numeric		
2412	11B	11	11±1	12	15.849	2.23	1.67	0.0053	1
2437		8.1	8±1	9	7.943	2.23	1.67	0.0026	1
2462		7.14	7±1	8	6.310	2.23	1.67	0.0021	1
2412	11G	10.41	10±1	11	12.589	2.23	1.67	0.0042	1
2437		7.8	8±1	9	7.943	2.23	1.67	0.0026	1
2462		6.6	6±1	7	5.012	2.23	1.67	0.0017	1
2412	11N20SISO	9.11	9±1	10	10.000	2.23	1.67	0.0033	1
2437		6.37	6±1	7	5.012	2.23	1.67	0.0017	1
2462		5.27	5±1	6	3.981	2.23	1.67	0.0013	1
2422	11N40SISO	7.95	8±1	9	7.943	2.23	1.67	0.0026	1
2437		6.32	6±1	7	5.012	2.23	1.67	0.0017	1
2452		5.05	5±1	6	3.981	2.23	1.67	0.0013	1

According to KDB 447498, no stand-alone required for WIFI/BLE antenna, and no simultaneous SAR measurement is required.

*** End of Report ***