

TEST REPORT

Product Name : SMART PROJECTOR
Model Number : SA-0097
FCC ID : 2ADM5-SA-0097

Prepared for : Zeeva Int Limited
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1. TEST RESULT CERTIFICATION

Applicant : Zeeva Int Limited
 Address : Suite 1007B, 1012 & 15, 10th Floor, Exchange Tower, 33 Wang Chiu Road,
 Kowloon Bay, Hong Kong, China
 Manufacturer : Zeeva Int Limited
 Address : Suite 1007B, 1012 & 15, 10th Floor, Exchange Tower, 33 Wang Chiu Road,
 Kowloon Bay, Hong Kong, China
 EUT : SMART PROJECTOR
 Model Name : SA-0097
 Trademark : N/A

Measurement Procedure Used:

APPLICABLE STANDARDS	
STANDARD	TEST RESULT
§ 15.247(i), § 2.1093	PASS

The above equipment was tested by EMTEK(DONGGUAN) 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 (2020) 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), § 2.1093.

The test results of this report relate only to the tested sample identified in this report

Date of Test : June 02, 2026 to August 31, 2026

Prepared by : 
 Jessica Zhang /Editor

Reviewer : 
 Warren Deng /Supervisor

Approve & Authorized Signer : 
 Sam Lv / Manager

Modified History

Version	Report No.	Revision Date	Summary
	ENS2511120038W01502R	/	Original Report



2. EUT Specification

Characteristics	Description
Product:	SMART PROJECTOR
Model Number:	SA-0097
SKU:	9262672
UPC:	1922342662588
COLOR:	WHITE
Sample:	1#
Data Rate:	BLE: 1Mbps, 2Mbps for GFSK modulation BT: 1Mbps for GFSK modulation 2Mbps for $\pi/4$ -DQPSK modulation 3Mbps for 8DPSK modulation 2.4G WIFI: 802.11b 802.11g 802.11n(20MHz channel bandwidth) 802.11n(40MHz channel bandwidth) 802.11ax(20MHz channel bandwidth) 802.11ax(40MHz channel bandwidth) 5G WIFI: 802.11a: 54/48/36/24/18/12/9/6Mbps 802.11n: MCS0-MCS15 802.11ac: MCS0-MCS9 802.11ax: MCS0-MCS11
Modulation:	BLE: GFSK BT: GFSK, $\pi/4$ -DQPSK, 8DPSK 2.4G WIFI: DSSS with DBPSK/DQPSK/CCK for 802.11b; OFDM with BPSK/QPSK/16QAM/64QAM for 802.11g/n; 5G WIFI: OFDM with BPSK/QPSK/16QAM/64QAM for 802.11a/n OFDM with BPSK/QPSK/16QAM/64QAM/256QAM for 802.11ac OFDM with BPSK/QPSK/16QAM/64QAM/256QAM/1024QAM for 802.11ax
Operating Frequency	2402-2480MHz for BLE & BT; 2412-2462MHz for 2.4G WIFI

Range(s) :	UNII-1: 5150MHz-5250MHz Band 5180-5240MHz for 802.11a/n(HT20)/ac(VHT20)/ax(HE20); 5190-5230MHz for 802.11n(HT40)/ac(VHT40)/ax(HE40); UNII-3 with 5725MHz-5850MHz Band 5745-5825MHz for 802.11a/n(HT20)/ac(VHT20)/ax(HE20); 5755-5795MHz for 802.11n(HT40)/ac(VHT40)/ax(HE40);
Transmit Power Max:	16.26 (0.042267 mW) for WiFi 2.4G; 7.78 dBm(0.005998 W) for BT; 7.84 dBm(0.006081 W) for BLE; UNII-1 Band: 15.05 dBm(0.031989 mW) UNII-3 Band: 14.91 dBm(0.030974 mW)
Antenna Gain:	2.95 dBi for WIFI 2.4G, BT, BLE 5.40 dBi for wifi 5G
Power supply:	AC 100-240V, 50/60Hz
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: $P_d = (P_{out} \cdot G) / (4 \cdot \pi \cdot R^2)$

Where

P_d = Power density in mW/cm²

P_{out} =output power to antenna in mW

G = Numeric gain of the antenna relative to isotropic antenna

π =3.1416

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

P_d the limit of MPE, 1mW/cm². If we know the maximum gain of the antenna and total power input to the antenna, through the calculation, we will know the distance where the MPE limit is reached.

4. Measurement Result

gain:	2.95dBi	FCC MPE						
Mode	Frequency (MHz)	Output Power(dBm)	E.I.R.P(dBm)	Target Power W/tolerance (dBm)	Max tune up power(dBm) tolerance	Max tuneup power(mW) tolerance	Power Density at R=20cm (mW/cm2)	Limit (mW/cm2)
BLE GFSK 1M	2402	7.35	10.3	10±1	11	12.59	0.004940	1
	2441	7.84	10.79	10±1	11	12.59	0.004940	1
	2480	7.13	10.08	10±1	11	12.59	0.004940	1
BLE GFSK 2M	2402	7.24	10.19	10±1	11	12.59	0.004940	1
	2441	7.78	10.73	10±1	11	12.59	0.004940	1
	2480	7.06	10.01	10±1	11	12.59	0.004940	1

gain:	2.95dBi	FCC MPE						
Transmit Frequency (MHz)	Mode	Measured Power (dBm)	E.I.R.P(dBm)	Tune up Power (dBm)	Max tune up power (dBm)	Calculation Result	Power Density at R=20cm (mW/cm2)	Limit (mW/cm2)
2402	GFSK	7.32	10.27	10±1	11	12.59	0.004940	1
2441	GFSK	7.78	10.73	10±1	11	12.59	0.004940	1
2480	GFSK	7.2	10.15	10±1	11	12.59	0.004940	1
2402	Π/4-DQPSK	5.87	8.82	8±1	9	7.94	0.003117	1
2441	Π/4-DQPSK	6.53	9.48	9±1	10	10.00	0.003924	1
2480	Π/4-DQPSK	5.95	8.9	8±1	9	7.94	0.003117	1
2402	8DPSK	7.07	10.02	10±1	11	12.59	0.004940	1
2441	8DPSK	7.47	10.42	10±1	11	12.59	0.004940	1
2480	8DPSK	6.8	9.75	9±1	10	10.00	0.003924	1

gain:	2.95dBi	FCC MPE	2.4G WIFI					
Mode	Frequency (MHz)	Output Power(dBm)	E.I.R.P(dBm)	Target Power W/tolerance (dBm)	Max tune up power(dBm) tolerance	Max tuneup power(mW) tolerance	Power Density at R=20cm (mW/cm2)	Limit (mW/cm2)
802.11b	2412	14.61	17.56	17±1	18	63.10	0.024759	1
	2437	15.1	18.05	18±1	19	79.43	0.031169	1
	2462	14.77	17.72	17±1	18	63.10	0.024759	1
802.11g	2412	15.06	18.01	18±1	19	79.43	0.031169	1
	2437	16.26	19.21	19±1	20	100.00	0.039240	1
	2462	15.79	18.74	18±1	19	79.43	0.031169	1
802.11n20	2412	15.02	17.97	17±1	18	63.10	0.024759	1

	2437	16.12	19.07	19±1	20	100.00	0.039240	1
	2462	15.76	18.71	18±1	19	79.43	0.031169	1
802.11n40	2422	13.97	16.92	16±1	17	50.12	0.019667	1
	2437	14.91	17.86	17±1	18	63.10	0.024759	1
	2452	14.79	17.74	17±1	18	63.10	0.024759	1
802.11ax20	2412	14.17	17.12	17±1	18	63.10	0.024759	1
	2437	15.03	17.98	17±1	18	63.10	0.024759	1
	2462	14.91	17.86	17±1	18	63.10	0.024759	1
802.11ax40	2422	14.56	17.51	17±1	18	63.10	0.024759	1
	2437	15.43	18.38	18±1	19	79.43	0.031169	1
	2452	15.49	18.44	18±1	19	79.43	0.031169	1

gain:	5G WIFI: 5.4 dBi								
Mode	Frequency (MHz)	Output Power (dBm)	E.I.R.P(dBm)	Target Power W/tolerance (dBm)	Max tune up power(dBm) tolerance	Max tuneup power(mW) tolerance	Power Density at R=20cm (mW/c m2)	Limit (mW/c m2)	Verdict
802.11a	5180	14.79	20.19	8±1	21	125.89	0.086842	1	Pass
	5200	15.05	20.45	9±1	21	125.89	0.086842	1	Pass
	5240	13.95	19.35	6±1	20	100.00	0.068981	1	Pass
	5745	14.8	20.2	7±1	21	125.89	0.086842	1	Pass
	5785	13.68	19.08	5±1	20	100.00	0.068981	1	Pass
	5825	13.04	18.44	6±1	19	79.43	0.054794	1	Pass
802.11n(HT20)	5180	13.79	19.19	-1±1	20	100.00	0.068981	1	Pass
	5200	13.35	18.75	-1±1	19	79.43	0.054794	1	Pass
	5240	12.76	18.16	-2±1	19	79.43	0.054794	1	Pass
	5745	12.78	18.18	2±1	19	79.43	0.054794	1	Pass
	5785	11.83	17.23	-4±1	18	63.10	0.043524	1	Pass
	5825	11.52	16.92	-3±1	17	50.12	0.034572	1	Pass

802.11n(HT40)	5190	13.18	18.58	8±1	19	79.43	0.054794	1	Pass
	5230	12.5	17.9	9±1	18	63.10	0.043524	1	Pass
	5795	14.91	20.31	6±1	21	125.89	0.086842	1	Pass
	5775	13.67	19.07	7±1	20	100.00	0.068981	1	Pass
802.11ac(VHT20)	5180	12.98	18.38	5±1	19	79.43	0.054794	1	Pass
	5200	12.89	18.29	6±1	19	79.43	0.054794	1	Pass
	5240	11.78	17.18	-1±1	18	63.10	0.043524	1	Pass
	5745	14.62	20.02	-1±1	21	125.89	0.086842	1	Pass
	5785	13.84	19.24	-2±1	20	100.00	0.068981	1	Pass
	5825	13	18.4	2±1	19	79.43	0.054794	1	Pass
802.11ac(VHT40)	5190	13.22	18.62	8±1	19	79.43	0.054794	1	Pass
	5230	12.46	17.86	9±1	18	63.10	0.043524	1	Pass
	5795	14.66	20.06	6±1	21	125.89	0.086842	1	Pass
	5775	13.52	18.92	7±1	19	79.43	0.054794	1	Pass
802.11ax(HE20)	5180	12.88	18.28	5±1	19	79.43	0.054794	1	Pass
	5200	12.88	18.28	6±1	19	79.43	0.054794	1	Pass
	5240	11.66	17.06	-1±1	18	63.10	0.043524	1	Pass
	5745	14.65	20.05	-1±1	21	125.89	0.086842	1	Pass
	5785	13.86	19.26	-2±1	20	100.00	0.068981	1	Pass
	5825	12.98	18.38	2±1	19	79.43	0.054794	1	Pass
802.11ax(HE40)	5190	13.32	18.72	8±1	19	79.43	0.054794	1	Pass
	5230	12.65	18.05	9±1	19	79.43	0.054794	1	Pass
	5795	14.77	20.17	6±1	21	125.89	0.086842	1	Pass
	5775	13.67	20.17	2±1	21	125.89	0.111874	1	Pass

According to KDB 447498, no stand-alone required for BT antenna, and no simultaneous SAR measurement

*** End of Report ***

