



MAXLAB Testing Co.,Ltd.

Report No.: MAX26081814P01-R01RF

RF TEST REPORT

Report Reference No..... : MAX26081814P01-R01RF

FCC ID..... : 2A23HEZR34T-A6

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Date of issue..... : September 24, 2026

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Applicant's name..... : EZEN NETWORK INC.

Address..... : 4205 TROTTERS WAY, SUITE A, ALPHARETTA, GA3004, USA

Manufacturer's name..... : SHENZHEN EZEN TECHNOLOGY CO., LTD.

Manufacturer Address..... : ROOM 2010, BLOCK A1, PHASE 2 QIANHAI PLAZA, NO. 9
QIANHAI ROAD, SHENZHEN, CHINA

Test specification..... :

Standard..... : KDB 447498 D01 v06

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Test item description..... : OUTDOOR CELLULAR WI-FI ROUTER

Trade Mark..... : N/A

Model/Type reference..... : EZR34T-A6

Listed Models : EZR34T-A16, EZR34T-A520

Modulation : 2.4G WIFI:CCK/ DSSS/ OFDM
5.0G WIFI: OFDM

Frequency..... : From 2412 - 2462MHz
5.18 GHz ~ 5.24 GHz
5.26 GHz ~ 5.32 GHz
5.5 GHz ~ 5.72 GHz
5.745 GHz ~ 5.825 GHz

Rating..... : DC 52V

Result..... : PASS

RF Exposure Evaluation

Limits

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)

According to KDB 447498 D01 General RF Exposure Guidance v06, Unless specifically required by the published RF exposure KDB procedures, standalone 1-g head or body and 10-g extremity SAR evaluation for general population exposure conditions, by measurement or numerical simulation, is not required when the corresponding SAR Test Exclusion Threshold condition(s), listed below, is (are) satisfied.

Limits for Maximum Permissible Exposure (MPE)

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 General Population/Uncontrolled Exposure				
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. *Plane-wave equivalent power density

Test Procedure

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

Antenna Information

Internal Description	Antenna Model	Frequency Rang	Maximum Gain (dBi)	Note
Ant 1	UB04CJ1D276A	2400 – 2500 MHz	4.88	WLAN Antenna
	UB04CJ1D276A	5150 – 5850 MHz	5.70	WLAN Antenna
Ant 2	UB04CJ1D276A	2400 – 2500 MHz	4.88	WLAN Antenna
	UB04CJ1D276A	5150 – 5850 MHz	5.70	WLAN Antenna
Ant 3	UB04CJ1D275A	600 – 3800 MHz	3.30	LTE Antenna

Test Result of RF Exposure Evaluation

According to § 1.1310, systems operating under the provisions of this section shall be operated in a manner that ensures that the public is not exposed to radio frequency energy levels in excess of the Commission's guidelines.

The MPE was calculated at 20 cm to show compliance with the power density limit.

The following formula was used to calculate the Power Density:

$$Pd = (Pout \cdot G) / (4 \cdot \pi \cdot r^2)$$

Where

Pd = power density in mW/cm², **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

Tune up Tolerance ±1

Ant 1

WiFi 2.4G

Channel	Frequency (MHz)	Output power to antenna (dBm)	Output power to antenna (mW)	Antenna Gain (dBi)	Power Density at R=20cm (mW/cm ²)	Limit (mW/cm ²)	Result
802.11b	2412	14.65	29.17	4.88	0.01786	1.0	PASS
	2437	14.34	27.16	4.88	0.01663	1.0	PASS
	2462	14.29	26.85	4.88	0.01644	1.0	PASS
802.11g	2412	14.11	25.76	4.88	0.01577	1.0	PASS
	2437	14.05	25.41	4.88	0.01556	1.0	PASS
	2462	14.19	26.24	4.88	0.01607	1.0	PASS
802.11n (HT20)	2412	14.88	30.76	4.88	0.01883	1.0	PASS
	2437	14.75	29.85	4.88	0.01828	1.0	PASS
	2462	14.63	29.04	4.88	0.01778	1.0	PASS
802.11n (HT40)	2422	13.52	22.49	4.88	0.01377	1.0	PASS
	2437	13.34	21.58	4.88	0.01321	1.0	PASS
	2452	13.41	21.93	4.88	0.01343	1.0	PASS

WiFi 5G / UNII-1

Channel	Frequency (MHz)	Output power to antenna (dBm)	Output power to antenna (mW)	Output power to antenna (mW)	Power Density at R=20cm (mW/cm ²)	Limit (mW/cm ²)	Result
802.11n (HT20)	5180	13.52	22.49	5.70	0.01663	1.0	PASS
	5200	13.21	20.94	5.70	0.01549	1.0	PASS
	5240	13.05	20.18	5.70	0.01493	1.0	PASS
802.11n (HT40)	5190	12.85	19.28	5.70	0.01425	1.0	PASS
	5230	12.65	18.41	5.70	0.01361	1.0	PASS
802.11ac (HT20)	5180	13.11	20.46	5.70	0.01513	1.0	PASS
	5200	13.17	20.75	5.70	0.01534	1.0	PASS
	5240	12.25	16.79	5.70	0.01242	1.0	PASS
802.11ac (HT40)	5190	12.52	17.86	5.70	0.01321	1.0	PASS
	5230	12.41	17.42	5.70	0.01288	1.0	PASS
802.11ac (HT80)	5210	11.85	15.31	5.70	0.01132	1.0	PASS

WiFi 5G / UNII-2A

Channel	Frequency (MHz)	Output power to antenna (dBm)	Output power to antenna (mW)	Output power to antenna (mW)	Power Density at R=20cm (mW/cm ²)	Limit (mW/cm ²)	Result
802.11n (HT20)	5260	13.85	24.27	5.70	0.01795	1.0	PASS
	5300	13.65	23.17	5.70	0.01714	1.0	PASS
	5320	13.24	21.09	5.70	0.01559	1.0	PASS
802.11n (HT40)	5270	12.54	17.95	5.70	0.01327	1.0	PASS
	5310	12.19	16.56	5.70	0.01224	1.0	PASS
802.11ac (HT20)	5260	13.41	21.93	5.70	0.01622	1.0	PASS
	5300	13.25	21.13	5.70	0.01563	1.0	PASS
	5320	13.71	23.50	5.70	0.01738	1.0	PASS
802.11ac (HT40)	5270	12.41	17.42	5.70	0.01288	1.0	PASS
	5310	12.23	16.71	5.70	0.01236	1.0	PASS
802.11ac (HT80)	5290	11.85	15.31	5.70	0.01132	1.0	PASS

WiFi 5G / UNII-2C

Channel	Frequency (MHz)	Output power to antenna (dBm)	Output power to antenna (mW)	Output power to antenna (mW)	Power Density at R=20cm (mW/cm ²)	Limit (mW/cm ²)	Result
802.11n (HT20)	5500	13.52	22.49	5.70	0.01663	1.0	PASS
	5580	13.41	21.93	5.70	0.01622	1.0	PASS
	5700	13.85	24.27	5.70	0.01795	1.0	PASS
802.11n (HT40)	5510	12.85	19.28	5.70	0.01425	1.0	PASS
	5550	12.65	18.41	5.70	0.01361	1.0	PASS
	5670	12.74	18.79	5.70	0.01390	1.0	PASS
802.11ac (HT20)	5500	13.23	21.04	5.70	0.01556	1.0	PASS
	5580	13.41	21.93	5.70	0.01622	1.0	PASS
	5700	13.26	21.18	5.70	0.01567	1.0	PASS
802.11ac (HT40)	5510	12.63	18.32	5.70	0.01355	1.0	PASS
	5550	12.32	17.06	5.70	0.01262	1.0	PASS
	5670	12.42	17.46	5.70	0.01291	1.0	PASS
802.11ac (HT80)	5530	11.65	14.62	5.70	0.01081	1.0	PASS
	5610	11.74	14.93	5.70	0.01104	1.0	PASS

WiFi 5G / UNII-3

Channel	Frequency (MHz)	Output power to antenna (dBm)	Output power to antenna (mW)	Output power to antenna (mW)	Power Density at R=20cm (mW/cm ²)	Limit (mW/cm ²)	Result
802.11n (HT20)	5745	14.85	30.55	5.70	0.02259	1.0	PASS
	5785	14.85	30.55	5.70	0.02259	1.0	PASS
	5825	14.65	29.17	5.70	0.02157	1.0	PASS
802.11n (HT40)	5755	13.56	22.70	5.70	0.01679	1.0	PASS
	5795	13.52	22.49	5.70	0.01663	1.0	PASS
802.11ac (HT20)	5745	14.24	26.55	5.70	0.01963	1.0	PASS
	5785	14.36	27.29	5.70	0.02018	1.0	PASS
	5825	14.41	27.61	5.70	0.02042	1.0	PASS
802.11ac (HT40)	5755	13.85	24.27	5.70	0.01795	1.0	PASS
	5795	13.65	23.17	5.70	0.01714	1.0	PASS
802.11ac (HT80)	5775	12.98	19.86	5.70	0.01469	1.0	PASS

Ant 2

WiFi 2.4G

Channel	Frequency (MHz)	Output power to antenna (dBm)	Output power to antenna (mW)	Antenna Gain (dBi)	Power Density at R=20cm (mW/cm ²)	Limit (mW/cm ²)	Result
802.11b	2412	11.24	13.30	4.88	0.00815	1.0	PASS
	2437	11.35	13.65	4.88	0.00836	1.0	PASS
	2462	11.21	13.21	4.88	0.00809	1.0	PASS
802.11g	2412	11.14	13.00	4.88	0.00796	1.0	PASS
	2437	11.05	12.74	4.88	0.00780	1.0	PASS
	2462	11.19	13.15	4.88	0.00805	1.0	PASS
802.11n (HT20)	2412	11.35	13.65	4.88	0.00836	1.0	PASS
	2437	11.21	13.21	4.88	0.00809	1.0	PASS
	2462	11.52	14.19	4.88	0.00869	1.0	PASS
802.11n (HT40)	2422	10.32	10.76	4.88	0.00659	1.0	PASS
	2437	10.25	10.59	4.88	0.00649	1.0	PASS
	2452	10.39	10.94	4.88	0.00670	1.0	PASS

WiFi 5G / UNII-1

Channel	Frequency (MHz)	Output power to antenna (dBm)	Output power to antenna (mW)	Output power to antenna (mW)	Power Density at R=20cm (mW/cm ²)	Limit (mW/cm ²)	Result
802.11n (HT20)	5180	11.21	13.21	5.70	0.00977	1.0	PASS
	5200	11.19	13.15	5.70	0.00973	1.0	PASS
	5240	11.16	13.06	5.70	0.00966	1.0	PASS
802.11n (HT40)	5190	10.96	12.47	5.70	0.00922	1.0	PASS
	5230	10.25	10.59	5.70	0.00783	1.0	PASS
802.11ac (HT20)	5180	11.35	13.65	5.70	0.01009	1.0	PASS
	5200	11.38	13.74	5.70	0.01016	1.0	PASS
	5240	10.26	10.62	5.70	0.00785	1.0	PASS
802.11ac (HT40)	5190	10.52	11.27	5.70	0.00834	1.0	PASS
	5230	10.43	11.04	5.70	0.00816	1.0	PASS
802.11ac (HT80)	5210	9.87	9.71	5.70	0.00718	1.0	PASS

WiFi 5G / UNII-2A

Channel	Frequency (MHz)	Output power to antenna (dBm)	Output power to antenna (mW)	Output power to antenna (mW)	Power Density at R=20cm (mW/cm ²)	Limit (mW/cm ²)	Result
802.11n (HT20)	5260	11.21	13.21	5.70	0.00977	1.0	PASS
	5300	11.16	13.06	5.70	0.00966	1.0	PASS
	5320	11.08	12.82	5.70	0.00948	1.0	PASS
802.11n (HT40)	5270	10.65	11.61	5.70	0.00859	1.0	PASS
	5310	10.21	10.50	5.70	0.00776	1.0	PASS
802.11ac (HT20)	5260	11.09	12.85	5.70	0.00950	1.0	PASS
	5300	11.01	12.62	5.70	0.00933	1.0	PASS
	5320	11.24	13.30	5.70	0.00984	1.0	PASS
802.11ac (HT40)	5270	10.32	10.76	5.70	0.00796	1.0	PASS
	5310	10.25	10.59	5.70	0.00783	1.0	PASS
802.11ac (HT80)	5290	9.65	9.23	5.70	0.00682	1.0	PASS

WiFi 5G / UNII-2C

Channel	Frequency (MHz)	Output power to antenna (dBm)	Output power to antenna (mW)	Output power to antenna (mW)	Power Density at R=20cm (mW/cm ²)	Limit (mW/cm ²)	Result
802.11n (HT20)	5500	11.21	13.21	5.70	0.00977	1.0	PASS
	5580	11.15	13.03	5.70	0.00964	1.0	PASS
	5700	11.36	13.68	5.70	0.01011	1.0	PASS
802.11n (HT40)	5510	10.52	11.27	5.70	0.00834	1.0	PASS
	5550	10.32	10.76	5.70	0.00796	1.0	PASS
	5670	10.16	10.38	5.70	0.00767	1.0	PASS
802.11ac (HT20)	5500	11.34	13.61	5.70	0.01007	1.0	PASS
	5580	11.38	13.74	5.70	0.01016	1.0	PASS
	5700	11.16	13.06	5.70	0.00966	1.0	PASS
802.11ac (HT40)	5510	10.35	10.84	5.70	0.00802	1.0	PASS
	5550	10.16	10.38	5.70	0.00767	1.0	PASS
	5670	10.24	10.57	5.70	0.00782	1.0	PASS
802.11ac (HT80)	5530	9.65	9.23	5.70	0.00682	1.0	PASS
	5610	9.73	9.40	5.70	0.00695	1.0	PASS

WiFi 5G / UNII-3

Channel	Frequency (MHz)	Output power to antenna (dBm)	Output power to antenna (mW)	Output power to antenna (mW)	Power Density at R=20cm (mW/cm ²)	Limit (mW/cm ²)	Result
802.11n (HT20)	5745	12.25	16.79	5.70	0.01242	1.0	PASS
	5785	12.36	17.22	5.70	0.01273	1.0	PASS
	5825	12.29	16.94	5.70	0.01253	1.0	PASS
802.11n (HT40)	5755	11.65	14.62	5.70	0.01081	1.0	PASS
	5795	11.52	14.19	5.70	0.01049	1.0	PASS
802.11ac (HT20)	5745	12.32	17.06	5.70	0.01262	1.0	PASS
	5785	12.15	16.41	5.70	0.01213	1.0	PASS
	5825	12.25	16.79	5.70	0.01242	1.0	PASS
802.11ac (HT40)	5755	11.62	14.52	5.70	0.01074	1.0	PASS
	5795	11.23	13.27	5.70	0.00982	1.0	PASS
802.11ac (HT80)	5775	10.36	10.86	5.70	0.00803	1.0	PASS

Ant 3

The maximum output power including tune up tolerance from LTE modular test report (Report No. SEWA2304000051RG, FCC ID: XMR202307EM060KNA).

Operation Band	Frequency (MHz)	Maximum Conducted Average Output Power (dBm)
LTE Band 2	1850.7	25.00
LTE Band 4	1710.7	25.00
LTE Band 5	824.7	25.00
LTE Band 7	2502.5	25.00
LTE Band 12	699.7	25.00
LTE Band 13	779.5	25.00
LTE Band 14	790.5	25.00
LTE Band 17	706.5	25.00
LTE Band 25	1850.7	25.00
LTE Band 26 (814-824MHz)	814.7	25.00
LTE Band 26 (824-849MHz)	824.7	25.00
LTE Band 30	2307.5	25.00
LTE Band 41	2498.5	25.00
LTE Band 42 (3450-3550MHz)	3452.5	25.00
LTE Band 42 (3550-3600MHz)	3552.5	25.00
LTE Band 43 (3600-3700MHz)	3602.5	25.00

LTE Band 48	2552.5	25.00
LTE Band 66	1710.7	25.00
LTE Band 71	665.5	25.00

LTE

Operation Band	Frequency (MHz)	Output power to antenna (dBm)	Output power to antenna (mW)	Antenna Gain (dBi)	Power Density at R=20cm (mW/cm ²)	Limit (mW/cm ²)	Result
LTE Band 2	1850.7	25.00	316.23	3.30	0.13457	1.0000	Pass
LTE Band 4	1710.7	25.00	316.23	3.30	0.13457	1.0000	Pass
LTE Band 5	824.7	25.00	316.23	3.30	0.13457	0.5498	Pass
LTE Band 7	2502.5	25.00	316.23	3.30	0.13457	1.0000	Pass
LTE Band 12	699.7	25.00	316.23	3.30	0.13457	0.4665	Pass
LTE Band 13	779.5	25.00	316.23	3.30	0.13457	0.5197	Pass
LTE Band 14	790.5	25.00	316.23	3.30	0.13457	0.5270	Pass
LTE Band 17	706.5	25.00	316.23	3.30	0.13457	0.4710	Pass
LTE Band 25	1850.7	25.00	316.23	3.30	0.13457	1.0000	Pass
LTE Band 26 (814-824MHz)	814.7	25.00	316.23	3.30	0.13457	0.5431	Pass
LTE Band 26 (824-849MHz)	824.7	25.00	316.23	3.30	0.13457	0.5498	Pass
LTE Band 30	2307.5	25.00	316.23	3.30	0.13457	1.0000	Pass
LTE Band 41	2498.5	25.00	316.23	3.30	0.13457	1.0000	Pass
LTE Band 42 (3450-3550MHz)	3452.5	25.00	316.23	3.30	0.13457	1.0000	Pass
LTE Band 42 (3550-3600MHz)	3552.5	25.00	316.23	3.30	0.13457	1.0000	Pass
LTE Band 43 (3600-3700MHz)	3602.5	25.00	316.23	3.30	0.13457	1.0000	Pass
LTE Band 48	2552.5	25.00	316.23	3.30	0.13457	1.0000	Pass
LTE Band 66	1710.7	25.00	316.23	3.30	0.13457	1.0000	Pass
LTE Band 71	665.5	25.00	316.23	3.30	0.13457	0.4437	Pass



MAXLAB Testing Co.,Ltd.

Report No.: MAX26081814P01-R01RF

Simultaneous Transmission

Maximum ANT1 MPE Ratio	Maximum ANT2 MPE Ratio	Maximum ANT3 MPE Ratio	Σ MPE Ratio	Limit	Result
0.02259	0.01273	0.13457/0.4437 =0.30329	0.33861	1.000	Pass

Conclusion: The measurement results comply with the FCC Limit per 47 CFR 2.1091 for the uncontrolled RF Exposure.

----END OF REPORT----