

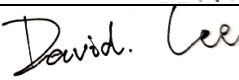
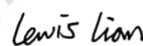
RF EXPOSURE Test Report

Report No. : MTi260330019-0105E3
Date of issue : 2026-05-19
Applicant : Pine Store Sdn Bhd
Product : PINEVOICE
Model(s) : PINEVOICE
FCC ID : 2A8NB-PINEVOICE

Shenzhen Microtest Co., Ltd.

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Test Result Certification		
Applicant	Pine Store Sdn Bhd	
Applicant Address	18-2-15, Gembira Parade, Lorong Delima 1, Island Glades, 11700 Penang, Malaysia.	
Manufacturer	Jiangsu Shushi Technology Co., Ltd.	
Manufacturer Address	NO.9 Nanxu Road, RunZhou District, Zhenjiang, Jiangsu, China	
Factory	Jiangsu Shushi Technology Co., Ltd.	
Factory Address	NO.9 Nanxu Road, RunZhou District, Zhenjiang, Jiangsu, China	
Product description		
Product name	PINEVOICE	
Trademark		
Model name	PINEVOICE	
Series Model(s)	N/A	
Standards	47 CFR Part 2.1091	
Test method	KDB 447498 D01 v06	
Testing Information		
Date of test	2026-04-20 to 2026-05-12	
Test Result	Pass	
Prepared by:	Manus Wang	
Reviewed by:	David Lee	
Approved by:	Lewis Lian	

1 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)	Averaging time (minutes)
(A) Limits for Occupational/Controlled Exposure				
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
300-1,500			f/300	6
1,500-100,000			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
300-1,500			f/1500	30
1,500-100,000			1.0	30

f = frequency in MHz * = Plane-wave equivalent power density

MPE Calculation Method

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 = 3.1415926

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

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.

2 Measurement Result

BLE:

Operation Frequency: 2402-2480MHz

2.4G WIFI:

Operation Frequency: 2412~2462MHz

Power density limited: 1mW/ cm²

Antenna Type: PCB Antenna

Antenna gain:

BLE: -0.42dBi

2.4G: -0.42dBi

R=20cm

$mW=10^{(dBi/10)}$

Antenna gain Numeric

BLE:

$10^{(dBi/10)}=10^{(-0.42/10)}=0.9078$

2.4G

$10^{(dBi/10)}=10^{(-0.42/10)}=0.9078$

BLE:

Channel Freq. (MHz)	modulation	conducted power	Tune-up power (dBm)	Max		Antenna		Evaluation result	Power density Limits
		(dBm)		tune-up power		Gain			
				(dBm)	(mW)	(dBi)	Numerical	(mW/cm ²)	(mW/cm ²)
2402	GFSK-1M	7.30	7±1	8	6.310	-0.42	0.91	0.0011	1
2440		8.13	8±1	9	7.943	-0.42	0.91	0.0014	1
2480		8.46	8±1	9	7.943	-0.42	0.91	0.0014	1
2402	GFSK-2M	7.32	7±1	8	6.310	-0.42	0.91	0.0011	1
2440		8.11	8±1	9	7.943	-0.42	0.91	0.0014	1
2480		8.50	8±1	9	7.943	-0.42	0.91	0.0014	1

2.4G WIFI

Channel Freq. (MHz)	modulation	conducted power	Tune-up power	Max		Antenna	Evaluation result at 20cm	Power density Limits
		(dBm)	(dBm)	tune-up power		Gain	Power density(mW/cm ²)	(mW/cm ²)
				(dBm)	(mW)	Numerical		
2412	802.11b	19.2	19±1	20	100.00	0.91	0.01806	1
2437		19.41	19±1	20	100.00	0.91	0.01806	1
2462		18.85	18±1	19	79.433	0.91	0.01435	1
2412	802.11g	24.02	24±1	25	316.22	0.91	0.05711	1
2437		24.15	24±1	25	316.22	0.91	0.05711	1
2462		23.69	23±1	24	251.18	0.91	0.04537	1
2412	802.11n H20	23.93	23±1	24	251.18	0.91	0.04537	1
2437		24.08	24±1	25	316.22	0.91	0.05711	1
2462		23.65	23±1	24	251.18	0.91	0.04537	1

Conclusion:

The device can transmitter simultaneously.

BLE+2.4G WIFI=0.0014+0.05711=0.05851

For the max result: $0.05851 \leq 1.0$, No SAR is required.

Statement

1. This report is invalid without the seal and signature of the laboratory.
2. The test results of this report are only responsible for the samples submitted. Client shall be responsible for representativeness of the sample and authenticity of the material.
3. The report shall not be partially reproduced without the written consent of the Laboratory.
4. This report is invalid if transferred, altered or tampered with in any form without authorization.
5. The observations or tests with special mark fall outside the scope of accreditation, and are only used for purpose of commission, research, training, internal quality control etc.
6. Any objection to this report shall be submitted to the laboratory within 15 days from the date of receipt of the report.

***** END OF REPORT *****