

RF EXPOSURE

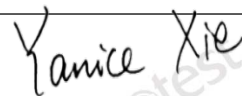
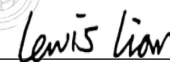
Test Report

Report No. : MTi260610016-0103E3
Date of Issue : 2026-10-10
Applicant : Shenzhen Sipeed Technology Co, Ltd.
Product : NanoKVM GO
Model(s) : NanoKVM GO+, NanoKVM GO
FCC ID : 2AS7P-NANOKVMGO

Shenzhen Microtest Co., Ltd.

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Test Result Certification		
Applicant	Shenzhen Sipeed Technology Co, Ltd.	
Applicant Address	Room 401, BLDG A, Huafeng Smart Innovation Port, Gushu, Bao'an, Shenzhen, China.	
Manufacturer	Shenzhen Sipeed Technology Co, Ltd.	
Manufacturer Address	2101D1, Block A, Hengfang Building, No.4008 Xinhua Road, Bao'an District, Shenzhen	
Factory	Shenzhen Sipeed Technology Co, Ltd.	
Factory Address	2101D1, Block A, Hengfang Building, No.4008 Xinhua Road, Bao'an District, Shenzhen	
Product description		
Product name	NanoKVM GO	
Trademark	Sipeed	
Model name	NanoKVM GO+	
Series Model(s)	NanoKVM GO	
Standards	47 CFR Part 2.1091	
Test Method	KDB 447498 D01 v06	
Testing Information		
Date of test	2026-07-10 to 2026-10-10	
Test result	Pass	
Prepared by:	Yanice Xie	
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

2.4GWiFi:

Operation Frequency:
802.11b/g/n20:2412~2462 MHz
802.11n40:2422~2452 MHz
Power density limited: 1mW/ cm²

5GWiFi:

Operation Frequency: 5150-5250MHz&5725-5850MHz,
802.11a: 20 MHz
802.11n: 20 MHz, 40 MHz
802.11ac: 20 MHz, 40 MHz,
802.11ax: 20 MHz, 40 MHz,

Antenna Type: FPC Antenna

Antenna gain:

2.4G WIFI: -3.92dBi;

5G U-NII 1: -0.63dBi

5G U-NII 3: -0.63dBi

R=20cm

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

2.4G WIFI: antenna gain Numeric= $10^{(dBi/10)}=10^{(-3.92/10)}=0.41$;

5G WIFI U-NII 1: antenna gain Numeric= $10^{(dBi/10)}=10^{(-0.63/10)}=0.86$

5G WIFI U-NII 3: antenna gain Numeric= $10^{(dBi/10)}=10^{(-0.63/10)}=0.86$

2.4GWiFi:

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/c m ²)
				(dBm)	(mW)	(dBi)	Numeric		
2412	802.11b	14.23	15±1	16	39.811	-3.92	0.41	0.00321	1
2437		13.94	13±1	14	25.119	-3.92	0.41	0.00203	1
2462		12.84	13±1	14	25.119	-3.92	0.41	0.00203	1
2412	802.11g	15.77	16±1	17	50.119	-3.92	0.41	0.00404	1
2437		16.32	16±1	17	50.119	-3.92	0.41	0.00404	1
2462		15.36	16±1	17	50.119	-3.92	0.41	0.00404	1
2412	802.11n20	14.81	15±1	16	39.811	-3.92	0.41	0.00321	1
2437		15.45	15±1	16	39.811	-3.92	0.41	0.00321	1
2462		14.50	15±1	16	39.811	-3.92	0.41	0.00321	1
2422	802.11n40	15.11	15±1	16	39.811	-3.92	0.41	0.00321	1
2437		15.40	15±1	16	39.811	-3.92	0.41	0.00321	1
2452		14.39	15±1	16	39.811	-3.92	0.41	0.00321	1

5G WIFI:

Channel Freq. (MHz)	modulation	conducted power	Tune-up	Max		Antenna	Evaluation result at 20cm	Power density
		(dBm)	(dBm)	tune-up power		Gain	Power density (mW/cm ²)	(mW/cm ²)
				(dBm)	(mW)	Numeric		
5180	11A	11.63	11±1	12	15.849	0.86	0.00273	1
5200		11.35	11±1	12	15.849	0.86	0.00273	1
5240		11.24	11±1	12	15.849	0.86	0.00273	1
5745		9.26	10±1	11	12.589	0.86	0.00217	1
5785		7.24	7±1	8	6.310	0.86	0.00109	1
5825		7.86	7±1	8	6.310	0.86	0.00109	1
5180	11N20SISO	11.69	11±1	12	15.849	0.86	0.00273	1
5200		11.88	11±1	12	15.849	0.86	0.00273	1
5240		11.13	11±1	12	15.849	0.86	0.00273	1
5745		9.22	10±1	11	12.589	0.86	0.00217	1
5785		7.18	7±1	8	6.310	0.86	0.00109	1
5825		7.47	7±1	8	6.310	0.86	0.00109	1
5190	11N40SISO	12.28	12±1	13	19.953	0.86	0.00343	1
5230		11.34	12±1	13	19.953	0.86	0.00343	1
5755		9.06	9±1	10	10.000	0.86	0.00172	1
5795		7.55	8±1	9	7.943	0.86	0.00137	1
5180	11AC20SISO	11.45	11±1	12	15.849	0.86	0.00273	1
5200		11.41	11±1	12	15.849	0.86	0.00273	1
5240		10.98	11±1	12	15.849	0.86	0.00273	1
5745		9.44	10±1	11	12.589	0.86	0.00217	1
5785		7.16	7±1	8	6.310	0.86	0.00109	1
5825		7.66	7±1	8	6.310	0.86	0.00109	1
5190	11AC40SISO	12.28	12±1	13	19.953	0.86	0.00343	1
5230		11.78	12±1	13	19.953	0.86	0.00343	1
5755		9.12	9±1	10	10.000	0.86	0.00172	1
5795		8.00	8±1	9	7.943	0.86	0.00137	1
5180	11AX20SISO	11.57	12±1	13	19.953	0.86	0.00343	1
5200		11.29	12±1	13	19.953	0.86	0.00343	1
5240		12.25	12±1	13	19.953	0.86	0.00343	1
5745		9.28	10±1	11	12.589	0.86	0.00217	1
5785		7.32	7±1	8	6.310	0.86	0.00109	1
5825		7.74	7±1	8	6.310	0.86	0.00109	1
5190	11AX40SISO	11.64	12±1	13	19.953	0.86	0.00343	1
5230		11.97	12±1	13	19.953	0.86	0.00343	1
5755		8.33	8±1	9	7.943	0.86	0.00137	1
5795		8.10	8±1	9	7.943	0.86	0.00137	1

Conclusion:

Note: 2.4G WIFI and 5G WIFI cannot work at the same time.

For the max result: $0.00404 \leq 1.0$ test exclusion threshold, No SAR is required.

Statement

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