

FCC RF EXPOSURE REPORT

FCC ID: 2A33X-S11

Project No. : 2409C083A
System Name : QYX Pro
Brand Name : SpatiX
System Model Name : QYX Pro
Equipment : Tablet
Test Model : S11
Model Name : S11, S15
Applicant : Qianxun Spatial Intelligence(Zhejiang) Inc.
Address : No.1,Building12,Area C,Deqing Geographic Info Town,Wuyang Street,Deqing County,Huzhou City,Zhejiang Province,China
Manufacturer : Qianxun Spatial Intelligence(Zhejiang) Inc.
Address : No.1,Building12,Area C,Deqing Geographic Info Town,Wuyang Street,Deqing County,Huzhou City,Zhejiang Province,China
Date of Receipt : Sep. 24, 2024
Date of Test : Sep. 25, 2024 ~ Nov. 11, 2024
Issued Date : Jun. 11, 2026
Test Sample : Engineering Sample No.: DG2024092432
Standard(s) : FCC Guidelines for Human Exposure IEEE C95.1 & FCC Part 2.1091
FCC Title 47 Part 2.1091 & KDB 447498 D01 v06

The above equipment has been tested and found compliance with the requirement of the relative standards by BTL Inc. (Dongguan)

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REPORT ISSUED HISTORY

Report No.	Version	Description	Issued Date	Note
BTL-FCCP-4-2409C083A	R00	This is a copy report which referencing test data are provided from the original test report (BTL-FCCP-4-2409C083). - Added the model name S15. - Changed the brand name. Based on above described changes which do not affect the test results. The others are kept the same.	Jun. 11, 2026	Valid

1. MPE CALCULATION METHOD

Calculation Method of RF Safety Distance:

$$S = \frac{PG}{4\pi^2} = \frac{EIRP}{4\pi^2}$$

where:

S = power density

P = power input to the antenna

G = power gain of the antenna in the direction of interest relative to an isotropic radiator

R = distance to the center of radiation of the antenna

2. ANTENNA SPECIFICATION

For BT/BLE/2.4GHz:

Ant.	Manufacturer	Model Name	Antenna Type	Connector	Gain (dBi)
1	Shenzhe HE DIAN XUN Technology Co.,Ltd	SPRING2 10PRO	PPC	N/A	3.84

Note: The antenna gain is provided by the manufacturer.

For WCDMA/LTE:

Ant. P/N	Type	Ant. Manufacturer	Antenna Gain(dBi)	Note
CPD-023A	FPC	Shenzhen bogesi communication technology Co.,Ltd	2.43	WCDMA Band II
			1.77	WCDMA Band IV
			-1.28	WCDMA Band V
			2.43	LTE Band 2
			1.77	LTE Band 4
			-1.28	LTE Band 5
			2.32	LTE Band 7
			-0.21	LTE Band 12
			0.32	LTE Band 13
			2.43	LTE Band 25
			0.8	LTE Band 26
			2.32	LTE Band 38
			2.32	LTE Band 41

Note: The antenna gain is provided by the manufacturer.

3. CALCULATED RESULT

For BT:

Antenna Gain (dBi)	Antenna Gain (numeric)	Max. Peak Output Power (dBm)	Max. Peak Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
3.84	2.4210	6.36	4.3251	0.00208	1	Complies

For LE:

Antenna Gain (dBi)	Antenna Gain (numeric)	Max. Peak Output Power (dBm)	Max. Peak Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
3.84	2.4210	5.98	3.9628	0.00191	1	Complies

For 2.4GHz:

Antenna Gain (dBi)	Antenna Gain (numeric)	Max. Output Power (dBm)	Max. Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
3.84	2.4210	27.81	603.9486	0.29104	1	Complies

For WCDMA:

Band	Frequency (MHz)	Max. Tune up Power (dBm)	Antenna Gain (dBi)	Antenna Gain (linear)	Output Power to Antenna	Power Density (mW/cm ²)	Power Density Limit (mW/cm ²)	Test Result
Band II	1852.4	25	2.43	1.7498	553.35	0.1101	1.0000	Complies
Band IV	1712.4	25	1.77	1.5031	475.34	0.0946	1.0000	Complies
Band V	826.4	25	-1.28	0.7447	235.5049	0.0469	0.5509	Complies

For LTE:

Band	Frequency (MHz)	Max. Tune up Power (dBm)	Antenna Gain (dBi)	Antenna Gain (linear)	Output Power to Antenna	Power Density (mW/cm ²)	Power Density Limit (mW/cm ²)	Test Result
Band 2	1850.7	25	2.43	1.7498	553.35	0.1101	1.0000	Complies
Band 4	1710.7	25	1.77	1.5031	475.34	0.0946	1.0000	Complies
Band 5	824.7	25	-1.28	0.7447	235.50	0.0469	0.5498	Complies
Band 7	2502.5	25	2.32	1.7061	539.51	0.1073	1.0000	Complies
Band 12	699.7	25	-0.21	0.9528	301.3006	0.0600	0.4665	Complies
Band 13	779.5	25	0.32	1.0765	340.4082	0.0677	0.5197	Complies
Band 25	1850.7	25	2.43	1.7498	553.35	0.1101	1.0000	Complies
Band 26 (824-849)	824.7	25	0.8	1.2023	380.1894	0.0757	0.5498	Complies
Band 26 (814-824)	814.7	25	0.8	1.2023	380.1894	0.0756	0.5431	Complies
Band 38	2572.5	25	2.32	1.7061	539.51	0.1073	1.0000	Complies
Band 41	2498.5	25	2.32	1.7061	539.51	0.1073	1.0000	Complies

For the max simultaneous transmission MPE:

Ratio			Total	Limit of Ratio	Test Result
BT	2.4GHz	LTE			
0.00208	0.29104	0.1392	0.4323	1	Complies

Note:

(1) The calculated distance is 20 cm.

(2) Ratio=Power Density (S) (mW/cm²)/Limit of Power Density (S) (mW/cm²)

End of Test Report