

RF Exposure Evaluation

Test report

On Behalf of

Tianjinshi Bosanjiao Electronic Development co.,Ltd

For

Remote controller

Model No.: T08Y-2G4, J2YB, J4YB, R9AC-YN, J2Y-GC, B-R1CD-2G4Y, C-R1GD-J6N-2G4Z, J4VZ-5P, J4Z, J2WB, R1C-W, J5WHB, J6HW, J2D, J2D-GC, J4D, J4DG, J7D-DGN, J7D-GC-WJ, J2R.J4R, T08Z-2G4, T08W-2G4, T08D-2G4, T16D-2G4, T08R-2G4, T16R-2G4, T06AY-2G4, MT03H, MT06A, T07D-WJ, T07D-DGN, J7DB-DGN

FCC ID: 2AXJK-T08Y2G4

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1 General Description of EUT

Product Name:	Remote controller
Model/Type reference:	T08Y-2G4
Serial Model:	J2YB, J4YB, R9AC-YN, J2Y-GC, B-R1CD-2G4Y, C-R1GD-J6N-2G4Z, J4VZ-5P, J4Z, J2WB, R1C-W, J5WHB, J6HW, J2D, J2D-GC, J4D, J4DG, J7D-DGN, J7D-GC-WJ, J2R.J4R, T08Z-2G4, T08W-2G4, T08D-2G4, T16D-2G4, T08R-2G4, T16R-2G4, T06AY-2G4, MT03H, MT06A, T07D-WJ, T07D-DGN, J7DB-DGN
Trade Mark:	texin
FCC ID	2AXJK-T08Y2G4
Hardware Version:	V2.0
Software Version:	V1.8
Operation frequency:	2440MHz
Channel number:	1
Modulation Technology:	GFSK
Antenna Type:	Line Antenna
Antenna Gain:	0dBi
Power Supply:	DC3.0V from AA*2 battery

2 RF Exposure Compliance Requirement

2.1 Standard Requirement

According to KDB447498D01 General RF Exposure Guidance v06

4.3.1. Standalone SAR test exclusion considerations

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 Exclusion Threshold condition, listed below, is satisfied.

2.2 Limits

The 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances ≤ 50 mm are determined by:

$$[(\text{max. power of channel, including tune-up tolerance, mW})/(\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHz})}] \leq 3.0$$
 for 1-g SAR and ≤ 7.5 for 10-g extremity SAR, where

$\sqrt{f(\text{GHz})}$ is the RF channel transmit frequency in GHz

Power and distance are rounded to the nearest mW and mm before calculation¹⁷

The result is rounded to one decimal place for comparison

The test exclusions are applicable only when the minimum test separation distance is ≤ 50 mm and for transmission frequencies between 100 MHz and 6 GHz. When the minimum test separation distance is < 5 mm, a distance of 5 mm is applied to determine SAR test exclusion

3 EUT RF Exposure

GFSK						
Channel	Maximum Peak Conducted Output Power (dBm)	Tune up tolerance (dBm)	Maximum tune-up Power		Calculated value	Exclusion threshold
			(dBm)	(mW)		
2440MHz	-9.338	-9±1	-8	0.158	0.050	3.0
Conclusion: the calculated value ≤3.0, SAR is exempted.						

Remark: The Max Conducted Peak Output Power data refer to report Report No.: HK2009142568-E