

TEST REPORT

Report Number	90790-25-72-25-PP002
Date of issue	2025-09-19
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Address	Factory 201, 107 Pinshun Rd Guixiang community, Guanlan Street, Longhua, Shenzhen, China 518110
Standard(s)	FCC 1.1310: §1.1307(b)
Test item description	Bluetooth Beacon
Trade Mark	N/A
Model/Type reference	GTA003
FCC ID	2A4F8-GTA003
Date of receipt of test item	2025-08-21
Date (s) of performance of test:	2025-08-21~2025-09-05
Test Report Form No.	FCC CFR Part 1_B1
Master TRF	Dated 2021-09
Summary of Test Results	Pass
The Summary of Test Results based on a technical opinion belongs to the standard(s).	
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Modified History

Report No.	Revision Date	Summary
90790-25-72-25-PP002	2025-09-19	Original Report

1. EUT Specification

EUT	Bluetooth Beacon
Model Number	GTA003
FCC ID	2A4F8-GTA003
Antenna gain (Max)	2.85dBi
Operation Frequency	2402-2480MHz
Input Rating	DC 3.6V
Standard	47 CFR Part 1.1307 47 CFR Part 1.1310 KDB447498D01 General RF Exposure Guidance v06
Modulation	BLE(GFSK)

2. Test Requirement

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)

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 $\cdot f(\text{GHz})$ 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

According to KDB447498D01 General RF Exposure Guidance v06

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.

3. Measurement Result

Channel	Maximum Peak Conducted Output Power (dBm)	Tune up tolerance (dBm)	Operation Mode: BLE		Calculated value	Exclusion threshold
			(dBm)	(mW)		
GFSK - Lowest (2402MHz)	1.39	1±1	2	1.58	0.49	3.0
GFSK - Middle (2440MHz)	1.55	1±1	2	1.58	0.49	
GFSK - Highest (2480MHz)	1.91	1±1	2	1.58	0.50	
Conclusion: the calculated value ≤ 3.0 , SAR is exempted.						

The Maximum power is less than the limit, complies with the exemption requirements, SAR is exempted.

Remark: The Max Conducted Peak Output Power data refer to report Report No.: 90790-25-72-25-PP001.

THE END

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