

TEST REPORT

Product Name : BT HOME FBRC SPK
Model Number : SP-0226-AST4, SP-0226-AST7 , SP-0268
FCC ID : 2ADM5-SP-0226V3

Prepared for : Zeeva Int Ltd
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1. TEST RESULT CERTIFICATION

Applicant : Zeeva Int Ltd
Address : 1007B-8, 1012 & 15, 10th Fl, Exchange Tower, 33 Wang Chiu Road, Kowloon Bay, Hong Kong
EUT : BT HOME FBRC SPK
Model Name : SP-0226-AST4, SP-0226-AST7 , SP-0268
Trademark : N/A

Measurement Procedure Used:

APPLICABLE STANDARDS	
STANDARD	TEST RESULT
§ 15.247(i), § 2.1093	PASS

The above equipment was tested by EMTEK (SHENZHEN) CO., LTD. The test data, data evaluation, test procedures, and equipment configurations shown in this report were made in accordance with the procedures given in ANSI C63.10 (2020) and the energy emitted by the sample EUT tested as described in this report is in compliance with the requirements of FCC Rules FCC § 15.247(i), § 2.1093.

The test results of this report relate only to the tested sample identified in this report

Date of Test : November 18, 2025 to January 8, 2026

Prepared by :



Una Yu /Editor

Reviewer :



Joe Xia/Supervisor

Approve & Authorized Signer :



Lisa Wang/Manager



Modified History

Version	Report No.	Revision Date	Summary
	ENS2511180049W00302R	/	Original Report



2. EUT Specification

Characteristics	Description
Product:	BT HOME FBRC SPK
Model Number:	SP-0226-AST4, SP-0226-AST7, SP-0268 - all the same just color & appearance different, The model used in this test is SP-0226-AST4.
SKU:	For specific differences, please refer to the table below.
UPC:	For specific differences, please refer to the table below.
COLOR:	For specific differences, please refer to the table below.
Sample:	1#
Data Rate:	1Mbps for GFSK modulation 2Mbps for $\pi/4$ -DQPSK modulation 3Mbps for 8DPSK modulation
Modulation:	GFSK, $\pi/4$ -DQPSK, 8DPSK
Operating Frequency Range(s) :	2402-2480MHz
Number of Channels:	79 channels
Transmit Power Max:	1.38 dBm(0.001371W)
Antenna Gain:	-0.58 dBi
Power supply:	DC 5V from USB DC3.7V from battery
Evaluation applied:	☐ MPE Evaluation ☒ SAR Evaluation

NO.	Sample Number	Color	UPC	SKU
SP-0226		BLACK	1922342307182	9101488
		BRIGHT PINK	1922341042978	9144744
		BLUE	1922341042985	9144745
		PURPLE	1922342585412	9239055
		LT/PASTEL GREEN	1922342585429	9239056
SP-0268		BLACK MULTI	1922342578759	9235635
		PINK MULTI	1922342578766	9235636
		BLACK	1922344853045	9193525
		RED	1922341097121	9227080

3. Test Requirement

SAR Evaluation

According to 447498 D01 V06, systems operating under the provisions of this section shall be operated in a manner that ensures that the public is not exposed to radio frequency energy level in excess of the Commission's guidelines.

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:

$$[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm})] \cdot$$

$$[\sqrt{f_{(\text{GHz})}}] \leq 3.0 \text{ for 1-g SAR and } \leq 7.5 \text{ for 10-g extremity SAR,}^{24} \text{ where}$$

- $f_{(\text{GHz})}$ is the RF channel transmit frequency in GHz
- Power and distance are rounded to the nearest mW and mm before calculation²⁵
- The result is rounded to one decimal place for comparison
- 3.0 and 7.5 are referred to as the numeric thresholds in the step 2 below

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 according to 5) in section 4.1 is applied to determine SAR test exclusion.

Routine SAR evaluation refers to that specifically required by § 2.1093, using measurements or computer simulation. When routine SAR evaluation is not required, portable transmitters with output power greater than the applicable low threshold require SAR evaluation to qualify for TCB approval. One antenna is available for the EUT. The minimum separation distance is 5mm.

4. Measurement Result

Antenna gain: -0.58 dBi

Transmit Frequency (MHz)	Mode	Measured Power (dBm)	Tune up Power (dBm)	Max tune up power (dBm)	Calculation Result	Calculation threshold(1-g SAR)
2402	GFSK	-1.32	-1±1	0	0.3100	3
2441	GFSK	-1.86	-2±1	-1	0.2482	3
2480	GFSK	-1.68	-2±1	-1	0.2502	3
2402	Π/4-DQPSK	0.95	1±1	2	0.4913	3
2441	Π/4-DQPSK	0.45	0±1	1	0.3934	3
2480	Π/4-DQPSK	0.67	1±1	2	0.4992	3
2402	8DPSK	1.38	1±1	2	0.4913	3
2441	8DPSK	0.92	1±1	2	0.4952	3
2480	8DPSK	1.11	1±1	2	0.4992	3

According to KDB 447498 D01 V06, no stand-alone required for BT antenna, and no simultaneous SAR measurement is required.

*** End of Report ***