

EMF TEST REPORT

Test Report No. : OT-258-RWD-015
Reception No. : 2411004229
Applicant : Bremen Co.,Ltd.
Address : #1020, 107, Garam-ro 116beon-gil, Paju-si, Gyeonggi-do, South Korea
Manufacturer : Bremen Co.,Ltd.
Address : #1020, 107, Garam-ro 116beon-gil, Paju-si, Gyeonggi-do, South Korea
Type of Equipment : Bremen Pet Tag
FCC ID. : 2BNEU-BRMTAG-2501
Model Name : BRM.TAG-2501
Multiple Model Name : N/A
Serial number : N/A
Total page of Report : 6 pages (including this page)
Date of Incoming : January 09, 2025
Date of issue : August 20, 2025

SUMMARY

The equipment complies with the regulation; **FCC CFR 47 PART 2.1093**

This test report only contains the result of a single test of the sample supplied for the examination.

It is not a generally valid assessment of the features of the respective products of the mass-production.

This report is not correlated with the "KS Q ISO/IEC 17025 and KOLAS accreditation" of Korean Laboratory Accreditation Scheme.



Tested by
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CONTENTS

PAGE

1. VERIFICATION OF COMPLIANCE	4
2. GENERAL INFORMATION	5
2.1 PRODUCT DESCRIPTION.....	5
2.2 ALTERNATIVE TYPE(S)/MODEL(S); ALSO COVERED BY THIS TEST REPORT.....	5
3. EUT MODIFICATIONS.....	5
4. RF EXPOSURE EVALUATION	6
4.1 RF EXPOSURE CALCULATION	6
4.2 EUT DESCRIPTION.....	6
4.3 TEST RESULT	6
4.3.1 Test data for Bluetooth LE	6

Revision History

Rev. No.	Issue Report No.	Issued Date	Revisions	Section Affected
0	OT-258-RWD-015	August 20, 2025	Initial Release	All

1. VERIFICATION OF COMPLIANCE

Applicant : Bremen Co.,Ltd.

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FCC ID : 2BNEU-BRMTAG-2501

Model Name : BRM.TAG-2501

Brand Name :

Serial Number : N/A

EQUIPMENT CLASS	DTS – DIGITAL TRNSMISSION SYSTEM
E.U.T. DESCRIPTION	Bremen Pet Tag
THIS REPORT CONCERNS	Original Grant
MEASUREMENT PROCEDURES	KDB 447498 D01 General RF Exposure Guidance v06
TYPE OF EQUIPMENT TESTED	Pre-Production
KIND OF EQUIPMENT AUTHORIZATION REQUESTED	Certification
Modifications on the Equipment to Achieve Compliance	None

- . The above equipment was tested by ONETECH Corp. for compliance with the requirement set forth in the FCC Rules and Regulations. This said equipment in the configuration described in this report, shows the maximum emission levels emanating from equipment are within the compliance requirements.

2. GENERAL INFORMATION

2.1 Product Description

The Bremen Co.,Ltd., Model BRM.TAG-2501 (referred to as the EUT in this report) is a Bremen Pet Tag. The product specification described herein was obtained from product data sheet or user's manual.

DEVICE TYPE	Bremen Pet Tag	
OPERATING FREQUENCY	2 402 MHz ~ 2 480 MHz	
MODULATION TYPE	GFSK	
RF OUTPUT POWER	Bluetooth LE 1 Mbps	-1.29 dBm
ANTENNA TYPE	Chip Antenna	
ANTENNA GAIN	1.00 dBi	
List of each Osc. or crystal Freq.(Freq. $\geq$ 1 MHz)	32 MHz	
RATED SUPPLY VOLTAGE	DC 3.70 V	

2.2 Alternative type(s)/model(s); also covered by this test report.

-. None

3. EUT MODIFICATIONS

-. None

4. RF EXPOSURE EVALUATION

4.1 RF Exposure Calculation

According to the FCC rule §4.3. General SAR test exclusion guidance, the limit for 1-g and 10-g SAR test exclusion thresholds are ≤ 3.0 for 1-g SAR, and ≤ 7.5 for 10-g extremity SAR by the device operating 100 MHz to 6 GHz and test separation distances ≤ 50 mm

4.2 EUT Description

Kind of EUT	Bremen Pet Tag
Device Category	☒ Portable (< 20 cm separation) ☐ Mobile (> 20 cm separation) ☐ Others
Exposure Evaluation Applied	☐ MPE ☐ SAR ☒ N/A

4.3 Test Result

According to the procedure, KDB 447498 D01, the standalone SAR test exclusion threshold is

$$[(\text{Max. Power of channel, including tune-up tolerance, mW})/(\text{Min. test separation distance, mm})] \times [\sqrt{f(\text{GHz})}] < 3.0$$

$$= [(1.18/5)] \times \sqrt{2.402} = 0.37$$

4.3.1 Test data for Bluetooth LE

Frequency (MHz)	Target Power W/tolerance (dBm)	Max tune up power (dBm)	Antenna Gain (dBm)	Max EIRP power (dBm)	Max EIRP power (mW)	Separation distance (mm)	RF exposure
2 402.00	-1.29 ± 1.0	-0.29	1.00	0.71	1.18	5	0.37