MPE TEST REPORT

Manufacturer: LSI Industries, Inc.

10000 Alliance Road

Cincinnati, Ohio 45242 USA

Applicant: Same as Above

Product Name: Stand-alone Bluetooth 5 Low Energy Module

Model: BMD-341

FCC ID: 2AWNNBMD341

Testing Commenced: 2022-03-15

Testing Ended: 2023-01-27

Test Results: In Compliance, with Modifications

The EUT complies with the EMC requirements when manufactured identically as the unit tested in this report, including any required modifications. Any changes to the design or build of this unit subsequent to this testing may deem it non-

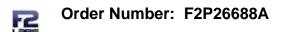
compliant.

Standards:

KDB447498

042216

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Applicant: LSI Industries, Inc.

Model: BMD-341

Evaluation Conducted by:

Julius Chiller, Senior Wireless Project Engineer

Report Reviewed by:

Ken Littell, Vice President of Operations

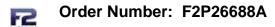
F2 Labs 26501 Ridge Road Damascus, MD 20872 Ph 301.253.4500 F2 Labs 16740 Peters Road Middlefield, OH 44062 Ph 440.632.5541

flint Cliffel

F2 Labs 8583 Zionsville Road Indianapolis, IN 46268 Ph 317.610.0611

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Applicant: LSI Industries, Inc. Model: BMD-341

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Applicant: LSI Industries, Inc.

Model: BMD-341

Issue Date: 2023-03-06

1 **ADMINISTRATIVE INFORMATION**

1.1 **Measurement Location:**

F2 Labs in Middlefield, Ohio. Site description and attenuation data are on file with the FCC's Sampling and Measurement Branch at the FCC Laboratory in Columbia, MD.

1.2 **Measurement Procedure:**

All measurements were performed according to KDB558074.

Document History 1.4

Document Number	Description	Issue Date	Approved By
F2P26688A-02E	First Issue	2023-03-06	K. Littell

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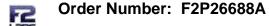
Applicant: LSI Industries, Inc. Model: BMD-341 Order Number: F2P26688A

SUMMARY OF TEST RESULTS 2

Test Name	Standard(s)	Results
RF Exposure for Device >20cm from Human	KDB447498	Complies

Modifications Made to the Equipment	
Power setting reduced to "0" due to 2 nd Harmonic Level.	

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Applicant: LSI Industries, Inc. Model: BMD-341

3 **ENGINEERING STATEMENT**

This report has been prepared on behalf of LSI Industries, Inc., to provide documentation for the testing described herein. This equipment has been tested and found to comply with KDB447498. The test results found in this test report relate only to the item(s) tested.

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Applicant: LSI Industries, Inc.

Model: BMD-341

4 EUT INFORMATION AND DATA

4.1 Equipment Under Test:

Product: Stand-alone Bluetooth 5 Low Energy

Model: BMD-341 Serial No.: 408730

FCC ID: 2AWNNBMD3411

4.2 Trade Name:

LSI Industries, Inc.

4.3 Power Supply:

USB

4.4 Applicable Rules:

KDB447498

4.5 Equipment Category:

Radio Module-DTS

4.6 Antenna:

Monopole, -2.5 dBi Gain

4.7 Accessories:

Device	Manufacturer	Model Number	Serial Number
Antenna	IPEX	Custom	None

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Applicant: LSI Industries, Inc. Order Number: F2P26688A

Model: BMD-341

5. RF EXPOSURE FOR DEVICE > 20cm FROM HUMAN

5.1 **Requirements:** Distance used is 20cm

> Limit: 1mW/cm²

Formula used for result: $\frac{\text{E.I.R.P.}}{4 \text{ m R}^2}$

Results: E.I.R.P. = 1.91 mW

1.91 mW at the 2440 MHz Mid Channel,

which is the highest.

= 1.91 mW = 0.00038 mW/cm2<u>1.91 mW</u>

4 π R² 5026.55

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