

TEST REPORT

Maximum Permissive Exposure

for

Products Name: POWER TUBE MagStation wireless charging stand

Model No.: BS300

FCC ID: 2BXO7-BS300

Report No.: SST2608E007

Issued Date: 2026-8-3

Issued for

Dongguan Zutelong Trading Co., Ltd.

Room 306, Building 2, No. 11, Hengxi 6th Road, Hengkeng, Liaobu Town, Dongguan City, Guangdong
Province, China

Issued by

Dongguan Qiyang Testing Technology Co., Ltd.

Room 101-1, Building 1, No.19, Tianxin Butterfly 1st Road, Huangjiang, Dongguan, Guangdong, China

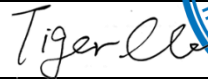
General disclaimer:

The test results presented in this report relate only to the object tested. This report shall not be reproduced, except in full, without the written approval of the Issuing Dongguan Qiyang Testing Technology Co., Ltd. The authenticity of this test report and its contents can be verified by contacting the Dongguan Qiyang Testing Technology Co., Ltd., responsible for this test report.

Table of Contents

1.	BASIC INTRODUCTION	3
2.	RF EXPOSURE EVALUATION MAXIMUM PERMISSIBLE EXPOSURE (MPE)	4
2.1	INTRODUCTION	4
2.2	MPE CALCULATION.....	5
3	CONCLUSION.....	5

1. Basic Introduction

Applicant's name..... :	Dongguan Zutelong Trading Co., Ltd.	
Address	Room 306, Building 2, No. 11, Hengxi 6th Road, Hengkeng, Liaobu Town, Dongguan City, Guangdong Province, China	
Manufacturer's name	Shenzhen Langya Electronics Co., Ltd. (MIPOW Ecosystem Enterprise)	
Address	3rd Floor, Building 6, Lijincheng Industrial Park, Yousong Community, Longhua Subdistrict, Longhua District, Shenzhen, china	
Factory's name	Dongguan Zutelong Trading Co., Ltd.	
Address	Room 306, Building 2, No. 11, Hengxi 6th Road, Hengkeng, Liaobu Town, Dongguan City, Guangdong Province, China	
Products Name..... :	POWER TUBE MagStation wireless charging stand	
Model No..... :	BS300	
Trade Mark	N/A	
Rating(s)..... :	Input: DC 5V/2A or 9V/3A by external power supply Wireless Output: 15W+5W	
Software version	/	
Hardware version	/	
Operation frequency	2402MHz ~ 2480MHz	
Channel numbers	79	
Channel separation	1MHz	
Modulation technology	GFSK, pi/4 DQPSK, 8DPSK	
Antenna type..... :	PCB Antenna	
Antenna gain..... :	2 dBi	
Date of sample receipt..... :	2026-6-29	
Date of Test..... :	2026-6-29~2026-8-3	
Standard(s)	FCC 47 CFR PART 1.1310 FCC 47 CFR PART 1.1307 KDB 447498 D04	
Tested by (+signature)..... :	Connor Ma	
Check by (+signature)..... :	Davis Zhou	
Approved by (+signature).... :	Tiger Chen	



2. RF EXPOSURE EVALUATION MAXIMUM PERMISSIBLE EXPOSURE (MPE)

2.1 Introduction

This document is prepared to show compliance with the RF Exposure requirements as required in §1.1310 of the FCC Rules and Regulations and RSS-102 of Industry Canada.

The limit for maximum permissible exposure(MPE), specific in §1.1310, §1.1307(b) of the FCC Rules and KDB 447498 D01 were list in below

Frequency range (MHz)	Electric field strength (V/m)	Magnetic field strength (A/m)	Power density (mW/cm ²)	Averaging time (minutes)
(i) Limits for Occupational/Controlled Exposure				
0.3–3.0	614	1.63	*(100)	≤6
3.0–30	1842/f	4.89/f	*(900/f ²)	<6
30–300	61.4	0.163	1.0	<6
300–1,500			f/300	<6
1,500–100,000			5	<6
(ii) Limits for General Population/Uncontrolled Exposure				
0.3–1.34	614	1.63	*(100)	<30
1.34–30	824/f	2.19/f	*(180/f ²)	<30
30–300	27.5	0.073	0.2	<30
300–1,500			f/1500	<30
1,500–100,000			1.0	<30

f = frequency in MHz. * = Plane-wave equivalent power density.

The procedure used to determine the RF power density was based upon a calculation for determining compliance with the MPE requirements.

The power generated by each transmitter used in this product was initially measured by a spectrum analyzer and the powers were recorded. Through use of the Friis transmission formula and knowledge of the maximum antenna gain to be used, the power density level is calculated at a distance of 20cm.

Friis transmission formula: $P_d = (P_{out} * G) / (4 * \pi * r^2)$

Where,

P_d = Power Density (mW/cm²),

π = 3.1416,

P_{out} = output power to antenna (mW),

r = distance between observation point and center of the radiator (cm),

G = gain of antenna in linear scale

There is no co-location between the electric fields of any two transmitters therefore the power densities are calculated for each individual transmitter by frequency at 20cm spacing

2.2 MPE Calculation

Type	Frequency (MHz)	Antenna Gain (dBi)	Output power (dBm)	Output power (mW)	Power Density (mW/cm ²)	Limit (mW/cm ²)	Result
BT	2441	2	3.16	2.07	0.0007	1	PASS

3 Conclusion

The device meets the mobile RF exposure limit at a minimum 20cm separation distance as specified in §2.1091 of the FCC Rules and Regulations. An appropriate RF exposure compliance statement will be placed in the user's manual.

*****End of report*****