



1516 Centre Circle, Downers Grove IL 60515

## RF EXPOSURE EXHIBIT

Manufacturer Name	Horizon Hobby, LLC	
Manufacturer Address	2904 Research Rd. Champaign, IL 61822	
Model No.	Plano; SPM5025 (DX5Pro)	
Specifications	FCC "Code of Federal Regulations" Title 47 Part 1, Subpart I FCC 447498 D04 Interim General RF Exposure Guidance v01 Radio Frequency (RF) Exposure Compliance of Radiocommunication Apparatus (All Frequency Bands) RSS-102 Issue 6 December 2023	
Test Facility	Elite Electronic Engineering, Inc. 1516 Centre Circle, Downers Grove, IL 60515	FCC Reg. Number: 269750 IC Reg. Number: 2987A CAB Identifier: US0107
Test Procedure	FCC 447498 D04 Interim General RF Exposure Guidance v01 RSS-102 Issue 6	
Limits	Assessment is based on maximum output power in mW and separation distance mm.	

This is a portable device.

The declared maximum output power including acceptable tolerances is 512mW (27dBm). The maximum time-averaged power is 36.84mW (-1.3dBm) with a measured duty cycle of 7.2%.

$$\text{Maximum time-averaged power (mW)} = \text{Maximum output power (mW)} \times \text{Duty Cycle}$$

Per FCC 1.1307(b)(3)(i)(B) the EUT is exempt.

Per RSS-102 Issue, the exemption level is 606.5mW at a separation distance of less than 10cm. The level was interpolated between the values in RSS-102, Section 6.3 Table 11



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**FCC Evaluation**

Radio Access Technology	$f$ Transmit Frequency (MHz)	Electric Field Strength (V/m)	P Conducted Output Power (mW)	EIRP (mW)	Duty Cycle
BLE	2479	47.0025321	511.681836	724.43596	0.072

Radio Access Technology	$f$ Transmit Frequency (MHz)	Time-Averaged Output Power (mW)	ERP (mW)	Pth (mW)	Exemption Rule	Exemption Results
BLE	2479	36.8410922		817.235179	FCC 1.1307(b)(3)(i)(B)	Exempt



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## RSS-102 Issue 6

### General information Table

Radio Access Technology	$f$ Transmit Frequency (MHz)	$I_{RMS}$ RMS Current (nA)	$P$ Conducted Output Power (mW)	EIRP (W)	SAR Exemption Limit (mW)
BLE	2479	300	511.681836	0.72443596	606.492857

### Exemption Information tables

Radio Access Technology	$f$ Transmit Frequency (MHz)	Electric Field Strength (V/m)	$P$ Conducted Output Power (mW)	EIRP (W)	$I_{RMS}$ RMS Current (A)	Outer Loop Diameter (mm)	Duty Cycle
RFID	2479	47.0025321	511.681836	0.72443596	3	50	0.072

Basic Restrictions and Reference Levels	Exempt/Not Exempt	$I_{RMS}$ , $P$ or EIRP	Exemption Limit	Notes
Nerve Stimulation	NA	---	NA	Only applicable to inductive systems operating in the 3kHz to 10MHz range with loop outer dimensions less than or equal to 100mm and separation distances greater than and equal to 0.15mm and separation distance less than or equal to 50mm.
SAR	Exempt	511.681835540308mW	606.492857142857mW	---
Localized APD	NA	---	NA	Only applicable to sources operating in the 7GHz to 30GHz range if the separation between the user or bystander is less than and equal to 20cm.
Localized IPD	NA	---	NA	Only applicable to sources operating in the 6GHz to 30GHz range.
FRL	NA	---	NA	Only applicable to sources operating in the 10MHz to 300GHz range if the separation between the user or bystander is greater than 20cm.

The EUT is exempt from all applicable routine evaluations per RSS-102 Issue 6