



Test Report No.: FM190530N032

# RF EXPOSURE REPORT

Applicant	Specialty Technologies, LLC
Address	260 Victoria Road Youngstown, OH 44515, USA

Manufacturer or Supplier	Specialty Technologies, LLC
Address	260 Victoria Road Youngstown, OH 44515, USA
Product	Powered Subwoofer
Brand Name	SVS
Model	SB-2000 Pro
Additional Model & Model Difference	PB-2000 Pro, PC-2000 Pro, see items 1.1
Date of tests	May 30, 2019 ~ Jun. 18, 2019

☒ FCC Part 2 (Section 2.1091)

☒ KDB 447498 D01

☒ IEEE C95.1

**CONCLUSION: The submitted sample was found to COMPLY with the test requirement**

Tested by Andy Zhu  
Project Engineer / EMC Department

Approved by Glyn He  
Supervisor/ EMC Department

Date: Aug. 13, 2019

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## RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
FM190530N032	Original release	Aug. 13, 2019

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## 1. CERTIFICATION

<b>FCC ID:</b>	2AGJ42KP
<b>PRODUCT:</b>	Powered Subwoofer
<b>BRAND NAME:</b>	SVS
<b>MODEL NO.:</b>	SB-2000 Pro
<b>ADDITIONAL NO.:</b>	PB-2000 Pro, PC-2000 Pro
<b>APPLICANT:</b>	Specialty Technologies, LLC
<b>STANDARDS:</b>	FCC Part 2 (Section 2.1091)
	KDB 447498 D01
	IEEE C95.1

1. Additional models PB-2000 Pro, PC-2000 Pro are identical with the test model SB-2000 Pro except the size of appearance and model number for marketing purpose.



## 2. RF EXPOSURE LIMIT

### LIMITS FOR MAXIMUM PERMISSIBLE EXPOSURE (MPE)

FREQUENCY RANGE (MHz)	ELECTRIC FIELD STRENGTH (V/m)	MAGNETIC FIELD STRENGTH (A/m)	POWER DENSITY (mW/cm <sup>2</sup> )	AVERAGE TIME (minutes)
LIMITS FOR GENERAL POPULATION / UNCONTROLLED EXPOSURE				
300-1500	...	...	F/1500	30
1500-100,000	...	...	1.0	30

F = Frequency in MHz

## 3. MPE CALCULATION FORMULA

$$P_d = (P_{out} \cdot G) / (4 \cdot \pi \cdot r^2)$$

where

$P_d$  = power density in mW/cm<sup>2</sup>

$P_{out}$  = output power to antenna in mW

$G$  = gain of antenna in linear scale

$\pi$  = 3.1416

$R$  = distance between observation point and center of the radiator in cm

## 4. CLASSIFICATION

The antenna of this product, under normal use condition, is at least 20cm away from the body of the user. So, this device is classified as **Mobile Device**.



## 5. ANTENNA GAIN

The antennas provided to the EUT, please refer to the following table:

Transmitter Circuit	Peak Gain (dBi)	Antenna Type
Chain 0	2.5	Ceramic Antenna

## 6. CALCULATION RESULT OF MAXIMUM CONDUCTED AV POWER

The tuned conducted Average Power (declared by client)

Mode	Frequency (MHz)	Target Power (dBm)	Tolerance (dBm)	Lower Tolerance (dBm)	Upper Tolerance (dBm)
BT-LE	2402-2480	-3	+/-2	-5	-1

The measured conducted Average Power

Mode	Frequency (MHz)	Averaged Power (dBm)
BT-LE	2480	-2.33

FREQUENCY BAND (MHz)	MAX AVERAGE POWER (dBm)	ANTENNA GAIN (dBi)	DISTANCE (cm)	POWER DENSITY (mW/cm <sup>2</sup> )	LIMIT (mW/cm <sup>2</sup> )
2402-2480	-1	2.5	20	0.000281	1.0

--- END ---