



BUREAU
VERITAS

Test Report No.: FM180523N001

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-3000
Additional Model & Model Difference	PB-3000, see items 1 note
Date of tests	May 23, 2018 ~ Jun. 13, 2018

☒ 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: Jul. 31, 2018

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RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
FM180523N001	Original release	Jul. 31, 2018



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1. CERTIFICATION

FCC ID:	2AGJ43K
PRODUCT:	Powered Subwoofer
BRAND NAME:	SVS
MODEL NO.:	SB-3000
ADDITIONAL NO.:	PB-3000
APPLICANT:	Specialty Technologies LLC
STANDARDS:	FCC Part 2 (Section 2.1091)
	KDB 447498 D01
	IEEE C95.1



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 ²)	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

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

where

P_d = power density in mW/cm²

P_{out} = output power to antenna in mW

G = gain of antenna in linear scale

π = 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)
LE-GFSK	2402-2480	-8	+/-2	-10	-6

The measured conducted Average Power

Mode	Frequency (MHz)	Averaged Power (dBm)
LE-GFSK	2480	-7.21

FREQUENCY BAND (MHz)	MAX AVERAGE POWER (dBm)	ANTENNA GAIN (dBi)	DISTANCE (cm)	POWER DENSITY (mW/cm ²)	LIMIT (mW/cm ²)
2402-2480	-6	2.5	20	0.000089	1.0

--- END ---