



Test Report No.: FM191017N022

RF EXPOSURE REPORT

Applicant	SKS metaplast Scheffer-Klute GmbH
Address	Zur Hubertushalle 4 Sündern 59846 Germany (Federal Republic Of)

Manufacturer or Supplier	Shenzhen Everbest Machinery Industry Co., Ltd
Address	19th Building, 5th Region, Baiwangxin Industrial Park, SongBai Rd., Baimang, Xili, Nanshan, Shenzhen China
Product	AIRSPY
Brand Name	SKS
Model	AIRSPY
Additional Model & Model Difference	N/A
Date of tests	Oct. 17, 2019 ~ Oct. 28, 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 Breeze Jiang Project Engineer / EMC Department	Approved by Glyn He Assistant Manager / EMC Department

Date: Mar. 12, 2020

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Bureau Veritas Shenzhen Co., Ltd.
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RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
FM191017N022	Original release	Mar. 12, 2020

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1. CERTIFICATION

FCC ID:	2ASEG-1161A
PRODUCT:	AIRSPY
BRAND NAME:	SKS
MODEL NO.:	AIRSPY
ADDITIONAL NO.:	N/A
APPLICANT:	SKS metaplast Scheffer-Klute GmbH
STANDARDS:	FCC Part 2 (Section 2.1091)
	KDB 447498 D01
	IEEE C95.1



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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

$$Pd = (Pout \cdot G) / (4 \cdot \pi \cdot r^2)$$

where

Pd = power density in mW/cm²

Pout = 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**.



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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(GFSK)	2402-2480	-10	+2	-12	-8

The measured conducted Average Power

Mode	Frequency (MHz)	Averaged Power (dBm)
BT-LE(GFSK)	2480	-9.37

FREQUENCY BAND (MHz)	MAX AVERAGE POWER (dBm)	ANTENNA GAIN (dBi)	DISTANCE (cm)	POWER DENSITY (mW/cm ²)	LIMIT (mW/cm ²)
2402-2480	-8	2.5	20	0.000056	1.0

--- END ---