

RF EXPOSURE REPORT

| | |
|-----------|---|
| Applicant | SKS metaplast Scheffer-Klute GmbH |
| Address | Zur Hubertushalle 4 Sundern 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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Test Report No.: FM191017N022

RELEASE CONTROL RECORD

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

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 |

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

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

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) |
|-------------|-----------------|--------------------|-----------------|-----------------------|-----------------------|
| 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 ---