RF EXPOSURE REPORT

Applicant	sms evoko group AB
Address	Hästholmsvägen 32, 5th floor, 131 30 Nacka, SWEDEN

Manufacturer or Supplier	sms evoko group AB
Address	Hästholmsvägen 32, 5th floor, 131 30 Nacka, SWEDEN
Product	Kleeo desk manager
Brand Name	Evoko
Model	EDM1001
Additional Model & Model Difference	N/A
Date of tests	Dec. 12, 2021 ~ Feb. 14, 2022

☒ **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 Supervisor / EMC Department	Approved by Glyn He Assistant Manager / EMC Department
	 Date: May 07, 2022

TABLE OF CONTENTS

RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
FM2112WDG3089	Original release	May 07, 2022

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1. CERTIFICATION

PRODUCT:	Kleeo desk manager
BRAND NAME:	Evoko
MODEL NO.:	EDM1001
ADDITIONAL MODEL:	N/A
FCC ID:	2AH64-EDM1001
TEST SAMPLE:	ENGINEERING SAMPLE
APPLICANT:	sms evoko group AB
TESTED DATES:	Dec. 12, 2021 ~ Feb. 17, 2022
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

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

where

Pd = power density in mW/cm^2

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**.

5. ANTENNA GAIN

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

Mode/ Frequency Band	Antenna Gain (dBi)	Antenna Type
BT-LE	1.38	PCB
2.4GHz Wi-Fi	-1.56	PCB
5GHz Wi-Fi (U-NII-1)	1.61	PCB
5GHz Wi-Fi (U-NII-2A)	1.18	PCB
5GHz Wi-Fi (U-NII-2C)	1.30	PCB
5GHz Wi-Fi (U-NII-3)	-0.27	PCB

6. CALCULATION RESULT OF MAXIMUM CONDUCTED POWER

The tuned conducted Average Power (declared by client)

Mode	Frequency Band (MHz)	Target Power (dBm)	Tolerance (dBm)	Lower Tolerance (dBm)	Upper Tolerance (dBm)
BT-LE	2402 ~ 2480	4	+-1	3	5
2.4GHz Wi-Fi	2412 ~ 2462	8	+-2	6	10
5GHz Wi-Fi (U-NII-1)	5150 ~ 5250	18	+-2	16	20
5GHz Wi-Fi (U-NII-2A)	5250 ~ 5350	18	+-2	16	20
5GHz Wi-Fi (U-NII-2C)	5470 ~ 5725	13	+-2	11	15
5GHz Wi-Fi (U-NII-3)	5725 ~ 5850	13	+-2	11	15

The measured conducted Average Power

Mode Frequency	(MHz) Averaged Power	(dBm)
BT-LE	2440	4.24
2.4GHz Wi-Fi	2412	8.98
5GHz Wi-Fi (U-NII-1)	5180	19.32
5GHz Wi-Fi (U-NII-2A)	5260	19.09
5GHz Wi-Fi (U-NII-2C)	5670	14.83
5GHz Wi-Fi (U-NII-3)	5775	13.62

FREQUENCY BAND (MHz)	MAX POWER (dBm)	ANTENNA GAIN (dBi)	DISTANCE (cm)	POWER DENSITY (mW/cm^2)	LIMIT (mW/cm^2)
BT	5	1.38	20	0.00086	1.0
Wi-Fi 2.4GHz	10	-1.56	20	0.00139	1.0
Wi-Fi 5GHz	20	1.61	20	0.02882	1.0

CONCLUSION:

The Wi-Fi 2.4GHz and Wi-Fi 5GHz can not transmit simultaneously, the formula of calculated the MPE is:

CPD1 / LPD1 + CPD2 / LPD2 + ……etc. < 1

CPD = Calculation power density

LPD = Limit of power density

Worst situation is (0.00086/1) +(0.02882/1) = 0.030 <1, which is less than the “1” limit.

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