RF EXPOSURE REPORT

Applicant	Shenzhen Hopewin Electronic Material Co.,Ltd
Address	Room O-P,Floor 4th,Block 9C,Baoneng Science Park,Qingxiang Road,QingHu Industrial

Manufacturer or Supplier	Shenzhen Hopewin Electronic Material Co.,Ltd
Address	Room O-P,Floor 4th,Block 9C,Baoneng Science Park,Qingxiang Road,QingHu Industrial
Product	Tracking devices
Brand Name	cloudleaf
Model	ASST1i-B1F, ASST2i-G1G
Additional Model & Model Difference	N/A
Date of tests	Jul. 12, 2017 ~ Aug. 03, 2017

☒ **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 Supervisor/ EMC Department
	 Date: Aug. 11, 2017

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RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
FS170710N025	Original release	Aug. 11, 2017

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1. CERTIFICATION

FCC ID:	2AM29-HBW02
PRODUCT:	Tracking devices
BRAND NAME:	cloudleaf
MODEL NO.:	ASST1i-B1F, ASST2i-G1G
ADDITIONAL NO.:	N/A
APPLICANT:	Shenzhen Hopewin Electronic Material Co.,Ltd
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

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

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:

Transmitter Circuit	Peak Gain (dBi)	Antenna Type
Chain 0	0	PCB Antenna

6. CALCULATION RESULT OF MAXIMUM CONDUCTED AV POWER

The tuned conducted Average Power (declared by client)

Frequency (MHz)	Target Power (dBm)	Tolerance (dBm)	Lower Tolerance (dBm)	Upper Tolerance (dBm)
2402-2480	-6	+-2	-8	-4

The measured conducted Average Power

Mode	Frequency (MHz)	Averaged Power (dBm)
LE-GFSK	2402	-5.61

FREQUENCY BAND (MHz)	MAX AVERAGE POWER (dBm)	ANTENNA GAIN (dBi)	DISTANCE (cm)	POWER DENSITY (mW/cm^2)	LIMIT (mW/cm^2)
2402-2480	-4	0	20	0.00008	1.0

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