RF EXPOSURE REPORT

Applicant	H.S. CRAFT MANUFACTURING CO.
Address	9F, NO. 35, GUANG FU N. ROAD, TAIPEI, 105 Taiwan

Manufacturer or Supplier	First Pre-Lit Tree Concept(Huizhou)
Address	No. 305, Xiao Jin Kou Section, Huizhou Road, Huizhou City, Guangdong
Product	Control box
Brand Name	GE
Model	FP-DRBRGB2
Additional Model & Model Difference	N/A
Date of tests	Mar. 20, 2019 ~ Apr. 23, 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 Ryan Lu Project Engineer / EMC Department	Approved by Glyn He Supervisor/ EMC Department
	 Date: Jun. 20, 2019

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RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
FM190320N025	Original release	Jun. 20, 2019

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1. CERTIFICATION

FCC ID:	YLIFP-DRBRGB2
PRODUCT:	Control box
BRAND NAME:	GE
MODEL NO.:	FP-DRBRGB2
ADDITIONAL NO.:	N/A
APPLICANT:	H.S. CRAFT MANUFACTURING CO.
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:

Transmitter Circuit	Peak Gain (dBi)	Antenna Type
Chain 0	-0.58	PCB 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)
GFSK	2402-2480	1	+-2	-1	3
8DQPSK	2402-2480	-1	+-2	-3	1
LE-GFSK	2402-2480	0	+-1	-1	1

The measured conducted Average Power

Mode	Frequency (MHz)	Averaged Power (dBm)
GFSK	2441	1.18
8DQPSK	2480	0.39
LE-GFSK	2480	0.39

FREQUENCY BAND (MHz)	MAX AVERAGE POWER (dBm)	ANTENNA GAIN (dBi)	DISTANCE (cm)	POWER DENSITY (mW/cm^2)	LIMIT (mW/cm^2)
2402-2480	3	-0.58	20	0.000347	1.0

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