FCC ID: 2ARYQPROXIMITY

According to KDB 447498 D01 General RF Exposure Guidance

At 100 ㎒ to 6 ㎓ and for test separation distances ≤ 50 ㎜, the SAR test exclusion threshold is determined according to the following

[(max. power of channel, including tune-up tolerance, ㎽) / (min. test separation distance, ㎜)] x [√f(㎓)] ≤ 3.0

1. SAR test exclusion threshold

Frequency : 2 480 ㎒ (min. separation distances = 0 ㎜)

Calculation value: 0.811 (㎽) / 5 (㎜) x √ 2.480 = 0.255
So, Calculation value ≤ 3.0

Remark;

$P_t = (E \times d)^2 / (30 \times g_t)$
P_t = transmitter output power in watts
g_t = numeric gain of the transmitting antenna
E = electric field strength in ㅧ/m
d = measurement distance in meters (m)

E_{max} = 94.34 ㏈㎶ = 0.052 ㅧ/m, d = 3 m, g_t =1
$P_t = (E \times d)^2 / (30 \times g_t) = (0.052 \times 3)^2 / (30 \times 1) = 0.811$ (㎽)

-When the minimum test separation distance is < 5 ㎜, a distance of 5 ㎜ is applied to determine SAR test exclusion.

2. Conclusion: No SAR is required.

3. Simultaneous transmission

DC MOTOR BLOCK: the ratio is 0.581 / 10
LED BLOCK: the ratio is 1.040 / 10
LIGHT TOUCH BLOCK: the ratio is 1.125 / 10
MASTER BLOCK: the ratio is 0.635 / 10
PROXIMITY SENSOR BLOCK: the ratio is 0.811 / 10
SOUND BLOCK: the ratio is 0.811 / 10

Confirm the sum result of individual MPEs ratio is ≤ 1.0;
(0.581 / 10) + (1.040 / 10) + (1.125 / 10) + (0.635 / 10) + (0.811 / 10) + (0.811 / 10)
=0.500 ≤ 1.0

So this device meets the KDB447498 D01 v06 section 7.2 requirement of “Simultaneous transmission MPE test exclusion”