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RF Exposure Evaluation

FCC ID: 2A094-W3PRO

REQUIREMENT

KDB447498 D01 General RF Exposure Guidance v06, Clause 4.3.1(a)

$$[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHz})}] \leq 3.0$$

Where

-f(GHz) is the RF channel transmit frequency in GHz

-Power and distance are rounded to the nearest mW and mm before calculation

-The test exclusions are applicable only when the minimum test separation distance is ≤ 50 mm, and for transmission frequencies between 100 MHz and 6 GHz. When the minimum test separation distance is < 5 mm, a distance of 5 mm according to 4.1 f) is applied to determine SAR test exclusion.

TEST RESULT

☒ Passed

☐ Not Applicable

BLE

| Test mode | Channel Frequency (MHz) | Max. Measured Power (dBm) | Tune up tolerance (dBm) | Max. Tune up Power (dBm) | Max. Tune up Power (mW) | Calculating data | Limit | Results |
|-----------|-------------------------|---------------------------|-------------------------|--------------------------|-------------------------|------------------|-------|---------|
| GFSK_1M | 2402 | -1.03 | -1.03 \pm 1 | -0.03 | 0.993 | 0.31 | 3.00 | Pass |
| | 2440 | -1.19 | -1.19 \pm 1 | -0.19 | 0.957 | 0.30 | | |
| | 2480 | -1.25 | -1.25 \pm 1 | -0.25 | 0.944 | 0.27 | | |
| GFSK_2M | 2402 | -1.09 | -1.09 \pm 1 | -0.09 | 0.979 | 0.30 | | |
| | 2440 | -1.20 | -1.20 \pm 1 | -0.20 | 0.955 | 0.30 | | |
| | 2480 | -1.68 | -1.68 \pm 1 | -0.68 | 0.855 | 0.27 | | |

Note:

-The exposure safety distance is less than 5mm.

*****THE END*****