

FCC ID: 2AZUW-CM-YKQ02

FCC RF Exposure Evaluation

1. Product Information

| Product name | Remote control unit | | | | |
|----------------------|---|--|--|--|--|
| Test Model | CM-YKQ02 | | | | |
| Additional Model No. | CM-YKQ04, CH-YKQ06, CM-YKQ08, CM-YKQ10 | | | | |
| Model Declaration | PCB board, structure and internal of these model(s) are the same, | | | | |
| | So no additional models were tested | | | | |
| Power Supply | Remote: DC 3V By CR2025 lithium Battery | | | | |
| Hardware Version | / IST LOSTOSTING | | | | |
| Software Version | 1 | | | | |
| Frequency Range | 433.92MHz | | | | |
| Channel Number | 1 | | | | |
| Modulation Type | ASK | | | | |
| Antenna Description | PCB Antenna, -0.25dBi (Max) | | | | |
| Exposure category | General population/uncontrolled environment | | | | |
| EUT Type | Production Unit | | | | |
| Device Type | Portable Device | | | | |











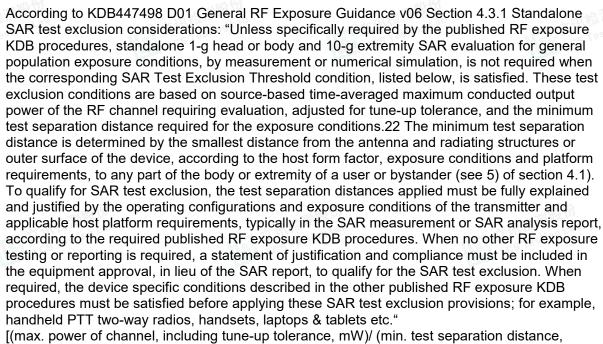








2.Evaluation method and Limit



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- mm)] $\cdot [\sqrt{f} (GHz)] \le 3.0$ for 1-g SAR and ≤ 7.5 for 10-g extremity SAR, 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 result is rounded to one decimal place for comparison
- 3.0 and 7.5 are referred to as the numeric thresholds in the step 2 below

 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 f) in section 4.1 is applied to determine SAR test exclusion.

When one of the following test exclusion conditions is satisfied for all combinations of simultaneous transmission configurations, further equipment approval is not required to incorporate transmitter modules in host devices that operate in the mixed mobile and portable host platform exposure conditions. The grantee is responsible for documenting this according to Class I permissive change requirements. Antennas that qualify for standalone SAR test exclusion must apply the estimated standalone SAR to determine simultaneous transmission test exclusion.

a) The [\sum of (the highest measured or estimated SAR for each standalone antenna configuration, adjusted for maximum tune-up tolerance) / 1.6 W/kg] + [\sum of MPE ratios] is \leq 1.0

b)The SAR to peak location separation ratios of all simultaneously transmitting antenna pairs operating in portable device exposure conditions are all \leq 0.04, and the [\sum of MPE ratios] is \leq 1.0.

3. Refer Evaluation Method

<u>ANSI C95.1–1999:</u> IEEE Standard for Safety Levels with Respect to Human Exposure to Radio Frequency Electromagnetic Fields, 3 kHz to 300 GHz.

FCC KDB publication 447498 D01 General 1 RF Exposure Guidance v06: Mobile and Portable Devices RF Exposure Procedures and Equipment Authorization Policies.

FCC CFR 47 part1 1.1310: Radiofrequency radiation exposure limits.

FCC CFR 47 part2 2.1093: Radiofrequency radiation exposure evaluation: portable devices



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Test Procedure

TX frequency range: 433.92 MHz

Device category: Portable device (Distance: 5mm) Max.

Field Strength: 61.43dBuV/m @3m

EIRP=E-104.7+20logD=61.43-104.7+20log3=-33.73dBm

Maximum Conducted Output Power: -33.73dBm

Tune up: -33±1

5. Evaluation Results

| Band/Mode | f (GHz) | Antenna Distance (mm) | RF output power | | SAR Test Exclusion | SAR Test |
|-----------|---------|-----------------------------|-----------------|--------|-----------------------|-----------|
| | | | dBm | mW | Threshold | Exclusion |
| ASK | 0.43392 | 5 | -32 | 0.0006 | 0.0001< 3.0 | Yes |

Remark:

1. Output power including tune up tolerance;

2. When the minimum test separation distance is < 5 mm, a distance of 5 mm according to f) in section 4.1 is applied to determine SAR test exclusion.

6. Conclusion

The measurement results comply with the FCC Limit per 47 CFR 2.1093 for the uncontrolled RF Exposure and SAR Exclusion Threshold per KDB 447498 v06.

.....THE END OF REPORT.....

