



RF Exposure Considerations

Control4 Model: C4-SR260 & C4-SR260-I

FCC ID: R33C4SR260

IC: 7848A-C4SR260

Per FCC KDB 447498 D01 general RF Exposure Guidance v05r02.

The 1-g and 10-g SAR test exclusion threshold for 100 MHz to 6 GHz at test separation distances ≤ 50 mm are determined by Eq. 1 below:

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

If result of Eq. 1 is less than or equal to the exemption limits below, then corresponding SAR test is not required.

SAR Test Configuration	Exemption Limit
1-g SAR	Result of Eq. 1 ≤ 3.0
10-g extremity SAR	Result of Eq. 1 ≤ 7.5

Where;

$f(\text{GHz})$ 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.

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 is applied to determine SAR test exclusion.

For our device, the parameters for consideration are as follows:

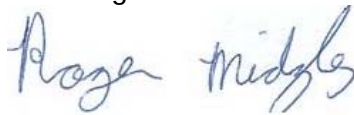
The Maximum source-based time averaged conducted output power is based on the worst case conducted output power as reported in Nemko-CCL test report 277005-1.2 section 6.2.4, declared antenna gain of 1.1 dB and declared maximum variation for the output power during manufacturing testing (tune-up procedure) is ± 0.5 dB.

Frequency (GHz)	Maximum source-based time averaged conducted output power including tune-up tolerance (mW)	Minimum separation distance (mm)	Result of Eq.1	Limit for 1-g SAR	Limit for 10-g extremity SAR	Verdict
2.405	2	5	0.7	3.0	7.5	Exempt from SAR
2.445	2	5	0.5	3.0	7.5	Exempt from SAR
2.475	2	5	0.5	3.0	7.5	Exempt from SAR

CONCLUSION:

Therefore our device complies with the FCC's RF radiation exposure limits for general population without SAR evaluation.

Best Regards



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