

RF Exposure Evaluation Report

1 RF EXPOSURE

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|---------------------|---|
| Product Name | Car Media Receiver |
| Model No. | AVM700Ui, XVM700Ui, JVM700Ui, JVM700UiS, AVM700UiS, AVM700USN, CMM7720, CMM720, CMR2720, XDM700U, DM620N, XVM279NAV |
| FCC ID | 2AFXA-AVM700UI |

1.1 LIMITS

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

$$\left[\frac{\text{(max. power of channel, including tune-up tolerance, mW)}}{\text{(min. test separation distance, mm)}} \right] \cdot \sqrt{f(\text{GHz})} \leq 3.0$$
 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 calculation¹⁷
- 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

1.2 EUT RF EXPOSURE EVALUATION

| Operational Mode: EDR (pi/4DQPSK worst case) | | | | | | |
|--|---|------------------------|----------------------------|---------------------------|------------------|---------------------|
| Channel | Maximum Peak Conducted Output Power (dBm) | Tune up tolerance (dB) | Maximum tune-up Power(dBm) | Maximum tune-up Power(mW) | Calculated value | Exclusion threshold |
| 2402MHz | 5.19 | ±1 | 6.19 | 4.16 | 1.29 | 3 |
| 2441MHz | 4.97 | ±1 | 5.97 | 3.95 | 1.24 | 3 |
| 2480MHz | 4.67 | ±1 | 5.67 | 3.65 | 1.16 | 3 |
| Conclusion: the calculated value ≤ 3.0 , SAR is exempted. | | | | | | |