

## RF Exposure Evaluation Statement

**Product Name:** Car Multimedia Player

**Model No.:** XDVD269BT, XDVDBT269

**FCC ID:** 2AFXA-XDVD269BT

## 1.1 RF Exposure Compliance Requirement

### 1.1.1 Standard Requirement

According to KDB447498D01 General RF Exposure Guidance v06

## Standalone SAR test exclusion considerations

Unless specifically required by the published RF exposure KDB procedures, standalone 1-g head or body and 10-g extremity SAR evaluation for general population exposure conditions, by measurement or numerical simulation, is not required when the corresponding SAR Exclusion Threshold condition, listed below, is satisfied.

### 1.1.2 Limits

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

$$[(\text{max. power of channel, including tune-up tolerance, mW})/(\text{min. test separation distance, mm})] \cdot$$
$$[\sqrt{f}(\text{GHz})] \leq 3.0 \text{ for 1-g SAR and } \leq 7.5 \text{ for 10-g extremity SAR, where}$$

- ☐ f(GHz) is the RF channel transmit frequency in GHz
- ☐ Power and distance are rounded to the nearest mW and mm before calculation<sup>17</sup>
- ☐ The result is rounded to one decimal place for comparison

The test exclusions are applicable only when the minimum test separation distance is  $\leq 50$  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

### 1.1.3 EUT RF Exposure

Operational Mode: EDR ( 8-DPSK worst case )						
Channel	Maximum Peak Conducted Output Power (dBm)	Tune up tolerance (dB)	Maximum tune-up Power		Calculated value	Exclusion threshold
			(dBm)	(mW)		
2402MHZ	2.01	± 1	3.01	2.00	0.62	3.0
2441MHz	1.63	± 1	2.63	1.83	0.57	
2480MHz	2.36	± 1	3.36	2.17	0.68	
Conclusion: the calculated value ≤3.0, SAR is exempted.						