

Statement of compliance to SAR**No. 180200074SHA-002**

Applicant : TDC USA, INC.
5 Industrial Road Fairfield, NJ 07004 U.S.A.

Manufacturer : TDC USA, INC.
5 Industrial Road Fairfield, NJ 07004 U.S.A.

Product Name : Licensed Mercedes G63 AMG Ride-On

Type/Model : G63 (JJ263)

TEST RESULT : PASS

Date of issue: February 26, 2018

Prepared by:



Nemo Li

Reviewed by:



Daniel Zhao

Antenna Type: External integral antenna

Antenna Gain: 0dBi

Nominal rated field strength: 78.97dB_uV/m at 3m

Maximum allowed field strength of production tolerance: +/- 3dB

According to KDB 447498D01(v06), the following exclusion for portable devices:

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

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

\leq 3.0 for 1-g SAR and \leq 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;

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.

Based on the Maximum allowed field strength of production tolerance was 81.97dB_uV/m at 3m in frequency 27.145MHz, thus:

The EIRP = 81.97dB_uV/m - 95.3

= -13.33dBm

= 0.0465mW

The SAR Exclusion Threshold Level for 27.145MHz when the minimum test separation distance is $<$ 50mm:

= $[474 * (1 + \log_{10}(f/\text{MHz}))]/2$

= 371.2mW

Since the above max power is well below the SAR Exclusion threshold level, so the EUT is considered to comply with SAR requirement without testing.