

# RF Exposure Evaluation Statement

**Product Name:** TLSR9517CBAR56D

**Model No.:** TLSR9517CBAR56D

**FCC ID:** OEOTLSR9517BAR56D

## 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:

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

Channel	Maximum Peak Conducted Output Power (dBm)	Tune up tolerance (dB)	Maximum tune up Power		Calculated value	Exclusion threshold
			(dBm)	(mW)		
Operational Mode: BLE (worst case)						
2402	-0.66	$\pm 1$	0.34	1.08	0.34	3.0
2442	-0.35	$\pm 1$	0.65	1.16	0.36	
2480	-1.12	$\pm 1$	-0.12	0.97	0.31	
Conclusion: the calculated value $\leq 3.0$ , SAR is exempted.						