## **RF Exposure evaluation**

According to KDB447498D01 General RF Exposure Guidance v06

4.3.1. 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.

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

[(max. power of channel, including tune-up tolerance, mW) / (min. test separation distance, mm)] • [  $\sqrt{f(GHz)}$ ]  $\leq$  3.0 for 1-g 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
- When the minimum test separation distance is < 5 mm, a distance of 5 mm according is applied to determine SAR test exclusion.

Operational Channel	Mode: 0 Max. Power (dBm)	GFSK,π/4 Max. Power (mW)	-DQPSK,8DP Tune Up Power (dBm)	SK Max. Tune Up Power (dBm)	Max. Tune Up Power (mW)	Test Distance (mm)	Result	Standalone SAR test exclusion Threshold
Lowest	1.08	1.28	1.0±1.0	2.0	1.58	<5.00	1.25	
Middle	1.68	1.47	1.0±1.0	2.0	1.58	<5.00	1.25	3.00
highest	2.12	1.63	1.5±1.0	2.5	1.78	<5.00	1.25	
Conclusion: the calculated value $\leq$ 3.0, SAR is exempted.								

The worst case (refer to report TW2005221-FCC) is below: