



RF Exposure evaluation

1 RF Exposure Compliance Requirement

1.1 Standard Requirement

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.

1.2 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:

[(max. power of channel, including tune-up tolerance, mW)/(min. test separation distance, mm)] •

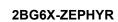
 $[\sqrt{f(GHz)}] \le 3.0$ for 1-g SAR and ≤ 7.5 for 10-g extremity SAR, where

f(GHz) is the RF channel transmit frequency in GHz

Power and distance are rounded to the nearest mW and mm before 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 \leq 5 mm, a distance of 5 mm is applied to determine SAR test exclusion





1.3 Measurement Result

Operation Mode: BLE	Conducted tolerai	Tune up	Maximum tune-up Power			
		tolerance (dBm)	(dBm)	(mW)	Calculated value	Exclusion threshold
Lowest (2402MHz)	5.512	6±1	7	5.01	1.55	3.0
Middle (2440MHz)	5.475	5±1	6	3.95	1.23	
Highest (2480MHz)	5.383	5±1	6	3.95	1.24	
Lowest (2405MHz)	5.970	6±1	7	5.01	1.55	
Middle (2445MHz)	5.799	6±1	7	5.01	1.57	
Highest (2475MHz)	5.533	6±1	7	5.01	1.58	
	Lowest (2402MHz) Middle (2440MHz) Highest (2480MHz) Lowest (2405MHz) Middle (2445MHz) Highest	Channel Peak Conducted Output Power (dBm) Lowest (2402MHz) Middle (2440MHz) Highest (2480MHz) Lowest (2405MHz) Middle (2445MHz) Highest (2445MHz) Highest 5.799 Highest	Channel Peak Conducted Output Power (dBm) Tune up tolerance (dBm) Lowest (2402MHz) 5.512 6±1 Middle (2440MHz) 5.475 5±1 Highest (2480MHz) 5.383 5±1 Lowest (2405MHz) 5.970 6±1 Middle (2445MHz) 5.799 6±1 Highest 5.533 6±1	Channel Peak Conducted Output Power (dBm) Tune up tolerance (dBm) tune-up tolerance (dBm) Lowest (2402MHz) 5.512 6±1 7 Middle (2440MHz) 5.475 5±1 6 Highest (2480MHz) 5.383 5±1 6 Lowest (2405MHz) 5.970 6±1 7 Middle (2445MHz) 5.799 6±1 7 Highest 5.533 6±1 7	Channel Peak Conducted Output Power (dBm) Tune up tolerance (dBm) tune-up Power (dBm) Lowest (2402MHz) 5.512 6±1 7 5.01 Middle (2440MHz) 5.475 5±1 6 3.95 Highest (2480MHz) 5.383 5±1 6 3.95 Lowest (2405MHz) 5.970 6±1 7 5.01 Middle (2445MHz) 5.799 6±1 7 5.01 Highest (2445MHz) 5.733 6±1 7 5.01	Channel Peak Conducted Output Power (dBm) Tune up tolerance (dBm) (dBm) (dBm) (mW) Calculated value Lowest (2402MHz) 5.512 6±1 7 5.01 1.55 Middle (2440MHz) 5.475 5±1 6 3.95 1.23 Highest (2480MHz) 5.383 5±1 6 3.95 1.24 Lowest (2405MHz) 5.970 6±1 7 5.01 1.55 Middle (2445MHz) 5.799 6±1 7 5.01 1.57 Highest Highest 5.533 6±1 7 5.01 1.58

Remark: The Max Conducted Peak Output Power data refer to report Report No.: LP24050046C01-03, LP24050046C01-04

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