RF Exposure Evaluation

According to KDB 447498 D01 General RF Exposure Guidance v06，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 Test Exclusion Threshold* condition(s),

listed below, is (are) satisfied.

For 100 MHz to 6 GHz and test separation distances ≤ 50 mm, the 1-g and 10-g SAR test

exclusion thresholds are determined by the following:

The EUT is a Bluetooth module

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

mm)] · [$\sqrt{f_{(GHz)}}$] ≤ 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

Here,

BLE-worst mode and channel				
Frequency (MHz)	Max Power (dBm)	Tune up tolerance (dBm)	Maximum tune-up	
			(dBm)	(mW)
2402MHz	-4.17	-4±1	-3	0.501

Maxtune-up Power (dBm)	Max tune-up Power (mW)	Frequency (MHz)	Min. distance (mm)	Calc. thresholds	limit
-3	0.501	2402	5	0.155	3.0

Calculated value-0.155 < 3.0, So there is no require SAR test