

World Standardization Certification & Testing Group Co., Ltd.





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## **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.

The worst case (refer to report i9 i9 FCC18050338A-BT) is below:

For	BT:

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G

/				Tune	Max.	Max.	f			Standalone	
		Max. Max	Max.		Tune	Tune		Test		SAR	
W	Model	Power	Power	Up Dowor	Up	Up	ı (GHz)	Distance	Result	test	7
	(dE	(dBm) (	(mW) Power	Power	Power	(GHZ)	(mm)	exclusion			
				(dBm)	(dBm)	(dBm)				Threshold	
	BT	0.30	1.07	$0.0 \pm 1.0$	1.0	1.26	2.450	<5.00	0.39	3.00	
											-

Calculation Result : 0.39<3.0 for 1-g SAR

Result : Base on the calculation value, No SAR measurement is required.

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