

Tel: 86-769-22607797

Fax: 86-769-22607907

http://www.cpcteam.com

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SAR 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.
Limits for SAR evaluation

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:

[(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 calculation17
- 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



Measurement Result

Operation Mode:	Channel	Maximum Peak Conducted Output Power (dBm)	Tune up tolerance (dBm)	Maximum tune-up Power		Calculated value	Exclusion threshold
				(dBm)	(mW)	valuc	tillesiloid
GFSK	Lowest (2402MHz)	-3.918	-4±1	-3	0.50	0.155	3.0
	Middle (2441MHz)	-3.673	-4±1	-3	0.50	0.156	
	Highest (2480MHz)	-3.806	-4±1	-3	0.50	0.157	
Pi4-DQPSK	Lowest (2402MHz)	-1.125	-1±1	0	1	0.310	
	Middle (2441MHz)	-0.933	-1±1	0	1	0.310	
	Highest (2480MHz)	-1.009	-1±1	0	1	0.310	
8DPSK	Lowest (2402MHz)	-0.479	-1±1	0	1	0.310	
	Middle (2441MHz)	-0.284	-1±1	0	1	0.310	
	Highest (2480MHz)	-0.364	-1±1	0	1	0.310	
	Conclusion: the calculated value ≤3.0, SAR is exempted.						

Remark: The Max Conducted Peak Output Power data refer to report Report No.: 90521-23-72-23-PP001