RF Exposure Report

Following FCC KDB 447498 D01 General SAR test exclusion guidelines

The corresponding SAR exclusion threshold condition, listed below:

1) 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)] · [√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 The test exclusions are applicable only when the minimum test separation distance is ≤ 50 mm and for transmission frequencies between 100 MHz and 6 GHz. When the minimum test separation distance is < 5 mm, a distance of 5 mm according to 5) in section 4.1 is applied to determine SAR test exclusion(447498 D01 General RF Exposure Guidance v06)

2) At 100 MHz to 6 GHz and for test separation distances > 50 mm, the SAR test exclusion threshold Is determined according to the following

- [Power allowed at numeric threshold for 50 mm in step 1) + (test separation distance - 50 mm)·(f(MHz)/150)] mW, at 100 MHz to 1500 MHz
- [Power allowed at numeric threshold for 50 mm in step 1) + (test separation distance - 50 mm)·10] mW at > 1500 MHz and ≤ 6 GHz

3) At frequencies below 100 MHz, the following may be considered for SAR test exclusion,

- The power threshold at the corresponding test separation distance at 100 MHz in step 2) is multiplied by [1 + log(100/f(MHz))] for *test separation distances* > 50 mm and < 200 mm
- The power threshold determined by the equation in a) for 50 mm and 100 MHz is multiplied by ½ for *test separation distances* ≤ 50 mm
- SAR measurement procedures are not established below 100 MHz When SAR test exclusion cannot be applied, a KDB inquiry is required to determine SAR evaluation requirements for any test results to be acceptable.

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SAR Test Exclusion Thresholds

Exclusion calculation considering transmitting power level

Frequency (GHz)	Max.Power (dBm)	Tune-up value	Max.Power e.i.r.p Including Tune-up Tolarence (dBm)	Max.Power Including Tune-up Tolarence (mW)	Minimum test separation distance (mm)	SAR Test Exclusion Calculation Values	1-g Extremity SAR Test exclusion Threshold
2.480	4	1	5	3.16	2.48	2.008048322	3

From above table calculation the EUT is exempted from routine SAR evaluation

Exclusion calculation considering radiated E I R P

Frequency (GHz)	Max.Power (dBm)	Tune-up value	Antenna gain (dBi)	Max.Power Including Tune-up Tolarence & antenna gain (dBm)	Max.Power Including Tune-up Tolarence & antenna gain (mW)	Minimum test separation distance (mm)	SAR Test Exclusion Calculation Values	1-g Extremity SAR Test exclusion Threshold
2.480	4	1	-3.52	1.48	1.40	2.48	0.892841071	3

From above table calculation the EUT is exempted from routine SAR evaluation

Note:
1. SAR exclusion threshold is calculated using condition1 formulas.
2. Transmitting power level is taken from the RF test report ULR-TC568822300000002F
3. Antenna gian values are taken from Antenna data sheet.

****END OF TEST REPORT*****