

Standalone SAR test exclusion considerations: Tranceiver 1

Date: May 29, 2018

RF feauture	Mode	Transmitting Frequency(MHz)	Test separation distance (mm) ^{Note}	ANT Gain (dBi)	Max. power with tune-up tolerance (dBm)	Max. power with tune-up tolerance (mW)	Power thresholds	SAR test exclusion thresholds
LE	-	2480.00	5.0	3.14	-0.29	0.9354	0.29	3.00

Note. Please refer to the operation description for Max. tune-up power.

KDB 447498 D01 clasue 4.3.1 Step 1) SAR test exclusion thresholds for 100MHz to 6GHz at test separationn distances \leq 50 mm[(max. power of channel, including tune-up tolerance, mW) / (min. test separation distance, mm)] \cdot [$\sqrt{f(\text{GHz})}$] \leq 3.0 for 1g SAR and \leq 7.5 for 10g extremity SAR**Sample Calculation**

$$= [(0.9354\text{mW} / 5\text{mm})] \times [\sqrt{2.48\text{GHz}}] = 0.29$$

Note. The calculation result was rounded to two decimal place for comparison.

Conclusion : SAR evaluation for general population exposure conditions by measurement or numerical simulation is not required