

FCC ID: 2A34P-S1-RF

Standalone SAR test exclusion considerations

RF feature	Mode	Transmitting Frequency(MHz)	Test separation distance (mm)	ANT Gain (dBi)	Max. power with tune-up tolerance (dBm) ^{Note1}	Max. power with tune-up tolerance (mW)	Power thresholds	SAR test exclusion thresholds
Zigbee	GFSK	2 440.00	5.0	1.99	-5.00	0.316 2	0.10	3.00

Note1. Please refer to the operation description for Max tune-up power.

KDB 447498 D01 clause 4.3.1 Step 1) SAR test exclusion thresholds for 100MHz to 6GHz at test separation distances ≤ 50 mm

[(max. power of channel, including tune-up tolerance, mW) / (min. test separation distance, mm)] \cdot [$\sqrt{f(GHz)}$] \leq 3.0 for 1g SAR and \leq 7.5 for 10g extremity SAR

Sample Calculation

= [(0.3162mW / 5mm)] X [$\sqrt{2.44}$ GHz] = 0.1

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