

SAR TEST EXCLUSION

This device, FCC ID: RSY2013NBUDY, is excluded from SAR testing by the following justification. The maximum power that the transmitter IC is capable of is 10 mW. By using the following formula from section 4.3.1 of KDB 447498:

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

Using the maximum conducted power capable (10dBm) and the minimum test separation (5 mm), the resulting calculated SAR value is:

$$(10 \text{ mW})/5 \text{ mm} * (\sqrt{2.48 \text{ GHz}}) = 3.15$$

This value is below the exclusion threshold for the 10-g extremity SAR requirements.