FCC §15.247(i) & §2.1093 - RF EXPOSURE

Applicable Standard

According to FCC §15.247(i) and §1.1307(b)(1), systems operating under the provisions of this section shall be operated in a manner that ensure that the public is not exposed to radio frequency energy level in excess of the Commission's guideline.

Report No.: RSZ111212001-00B

According to KDB 447498 D01 Mobile Portable RF Exposure v03r03, no SAR required if power is lower than the flowing threshold:

When routine evaluation is required for SAR and the output power is \leq 60/f(GHz) mW, the test reduction and test exclusion procedures given herein, or in KDB 616217 or KDB 648474, are applicable.

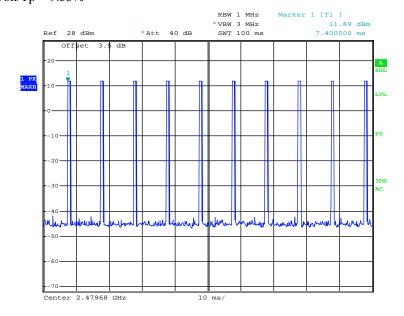
A device may be used in portable exposure conditions with no restrictions on host platforms when either the source-based time-averaged output power is $\leq 60/f(GHz)$ mW or all measured 1-g SAR are < 0.4 W/kg.10 When SAR evaluation is required, the most conservative exposure conditions for all expected operating configurations must be tested.

RF Exposure Evaluation

Max Peak output power: 2402.784 MHz: 13.53 dBm = 22.54 mW Duty Cycle = Ton/Tp = 9.33 % The source-based average power = 22.54 mW x 9.33% = 2.10 mW SAR exclusion threshold = 60/f = 60/2.402784 = 24.97 mw

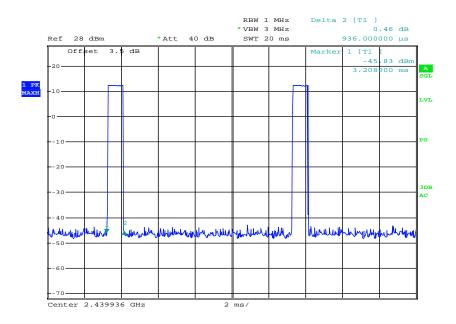
SAR evaluation is not necessary.

Note: Duty Cycle=Ton/Tp*100% Ton=936 μ s =0.936 ms, Tp=10.03 ms Duty Cycle=Ton/Tp = 9.33%

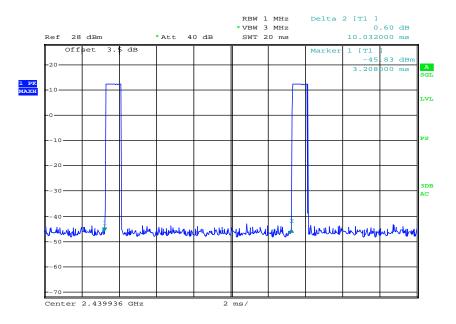


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