RF Exposure Evaluation

Portable Device

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

According to KDB 447498_D01_V06 4.3.1(a) SAR exclusion thresholds by:
[max. power of channel, including tune-up tolerance, mW]/(min, test separation distances, mm)]*[$\sqrt{}$f(GHz)]$\leqq$3.0 for 1-g SAR and $\leqq$7.5 for 10-g extremity SAR.

Maximum Measured Transmitter Power

Frequency Range (MHz)	Continuous Transmit Power (dBm)	Duty Cycle (dB)	Transmit Power (dBm)	Tune-up Power Tolerance (dB)	Total Maximum Power	
					(dBm)	(mW)
2480	-3.26	-2.16	-5.42	(±)2	-3.42	0.45

(0.45/5)*($\sqrt{}$2.48)=0.142$\leqq$3.0

Conclusion:
No SAR is required.

SIMULTANEOUS TRANSMISSION EVALUATION

N/A

Duty Cycle Calculation

Duty cycle factor in dB = 20 log (duty cycle) = 20 log (Ton/Tp)

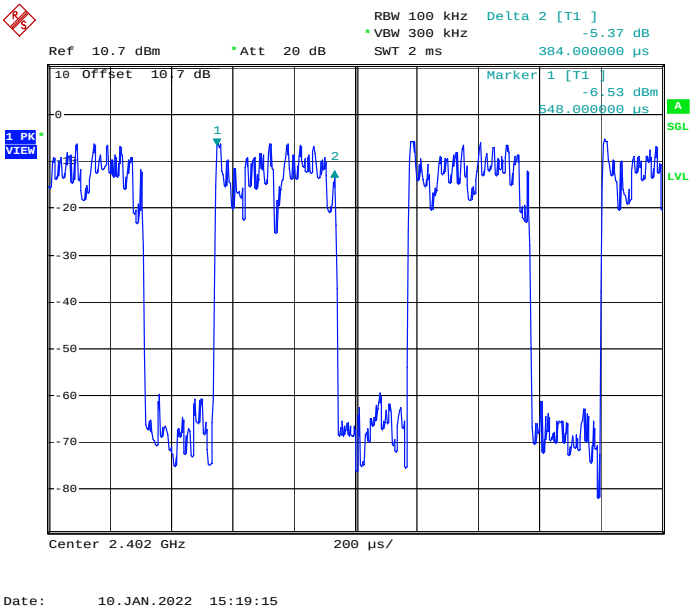
The duration of one cycle = 0.384 ms

The transmission time of one cycle =0.632 ms

Duty Cycle = 0.384 ms / 0.632 ms = 0.607

Therefore, the duty cycle factor is found by 20 log 0.607 = -2.16 dB

Ton:



Tp: