

2.4 GHz 802.15.4 Transceiver Duty Cycle

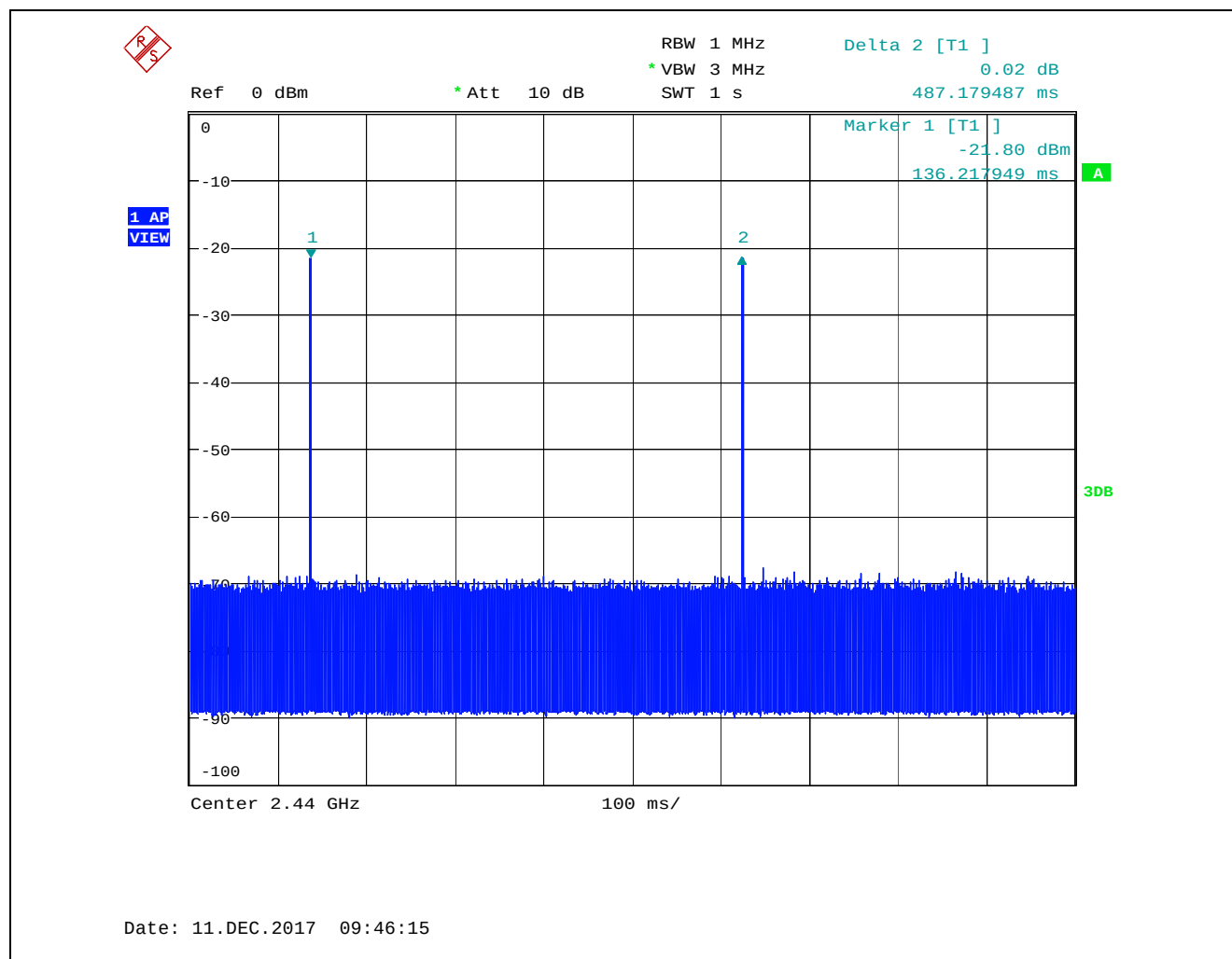
Calculation for Pulse Train or 100 ms Time Frame if Pulse Train Exceeds 100 ms

Duty Cycle in 100 ms

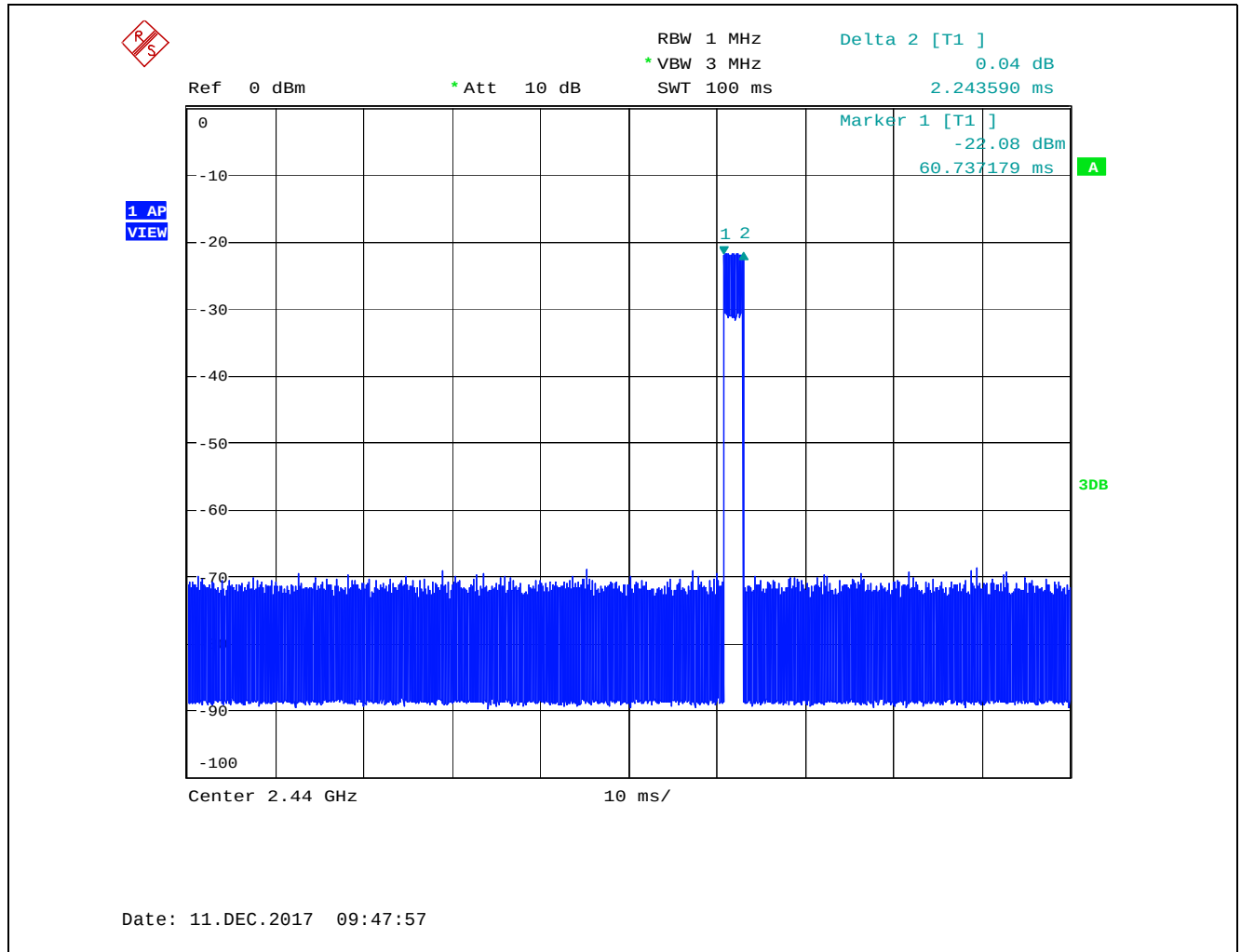
Sub-Pulse	Duration (ms)	Number of pulses in 100 ms	Sub-Pulse "On Time" (ms)
1	2.307692	1	2.307692
		TOTAL ON TIME:	2.307692
Duty Cycle in 100 ms = (TOTAL ON TIME) / 100 = 2.307692 / 100 = 0.0231 or 2.31 %			

See the following plots for details.

Plot 1 Duty Cycle, Pulse Train



Plot 2 Duty Cycle, In 100 ms



Plot 3 Duty Cycle, Pulse

