

**Source Band Time Average Duty Factor for BCM94306MP**

$$T_x \text{ on} = 140.28\mu\text{s}$$

$$T_x \text{ on} + T_x \text{ off} = 661.32\mu\text{s}$$

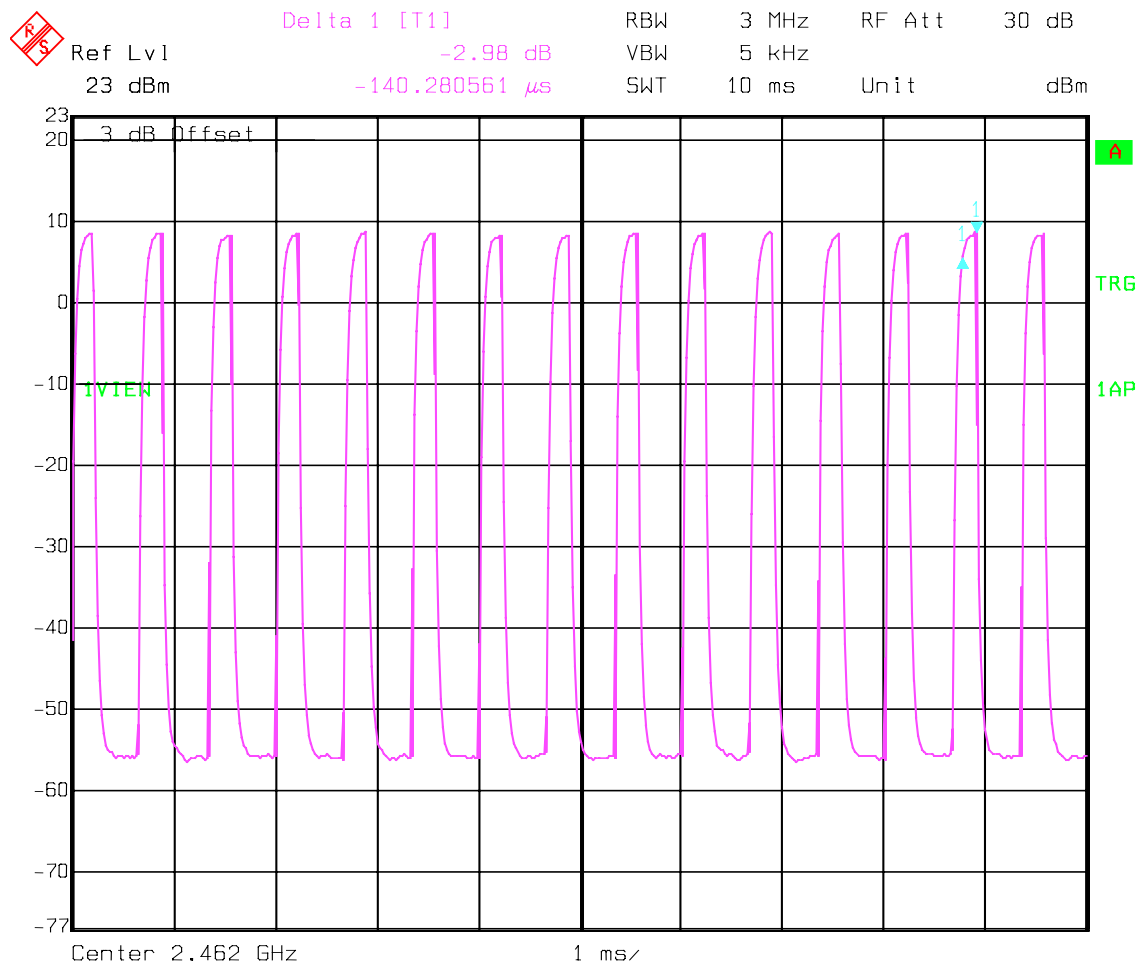
$$\text{Duty factor} = 140.28 / 661.32 = 0.21$$

Therefore;

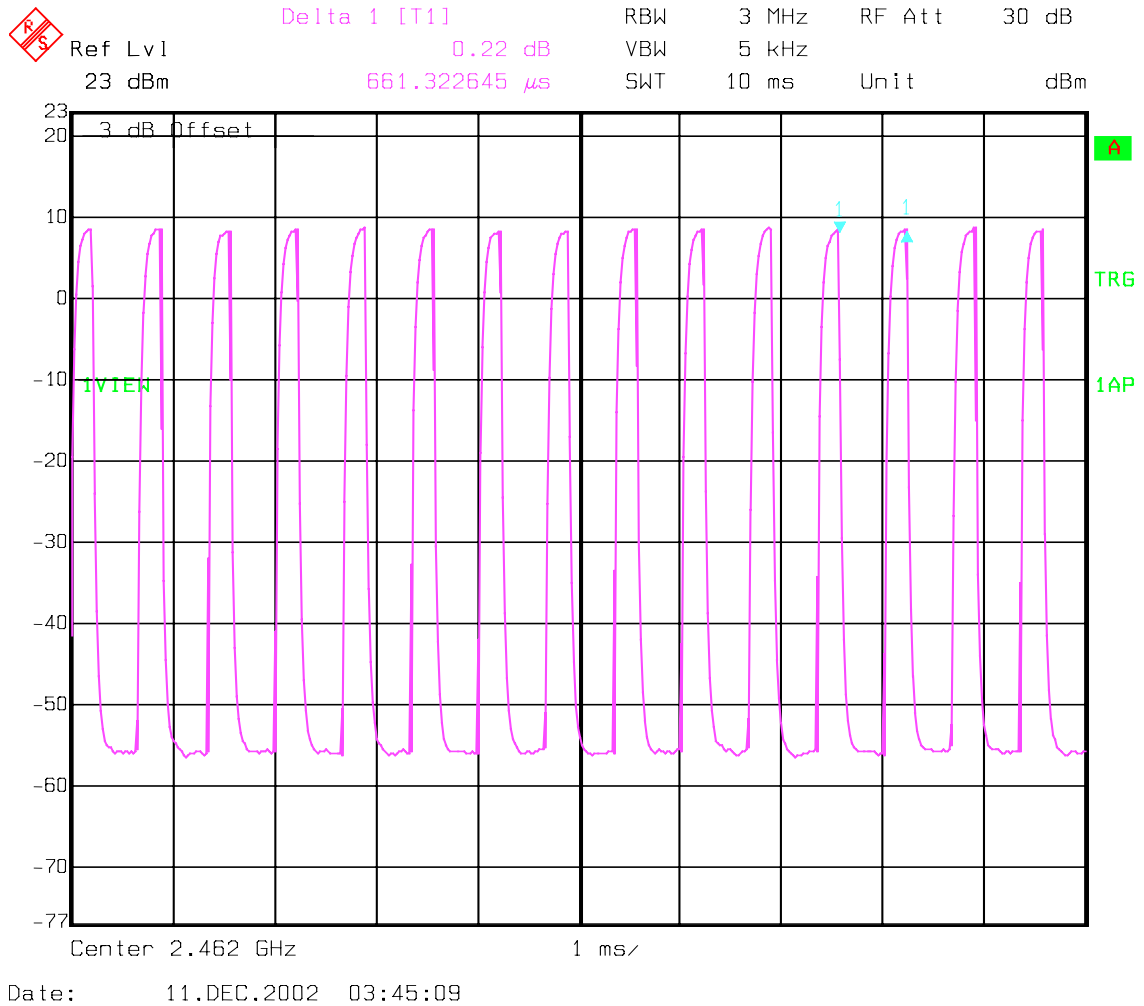
$$\text{Nominal Power} = \text{Max. EIRP} + 10\log(\text{duty factor}) = 30.55 - 6.77 = \mathbf{23.78\text{dBm}}$$

Please refer to the plots on next pages.

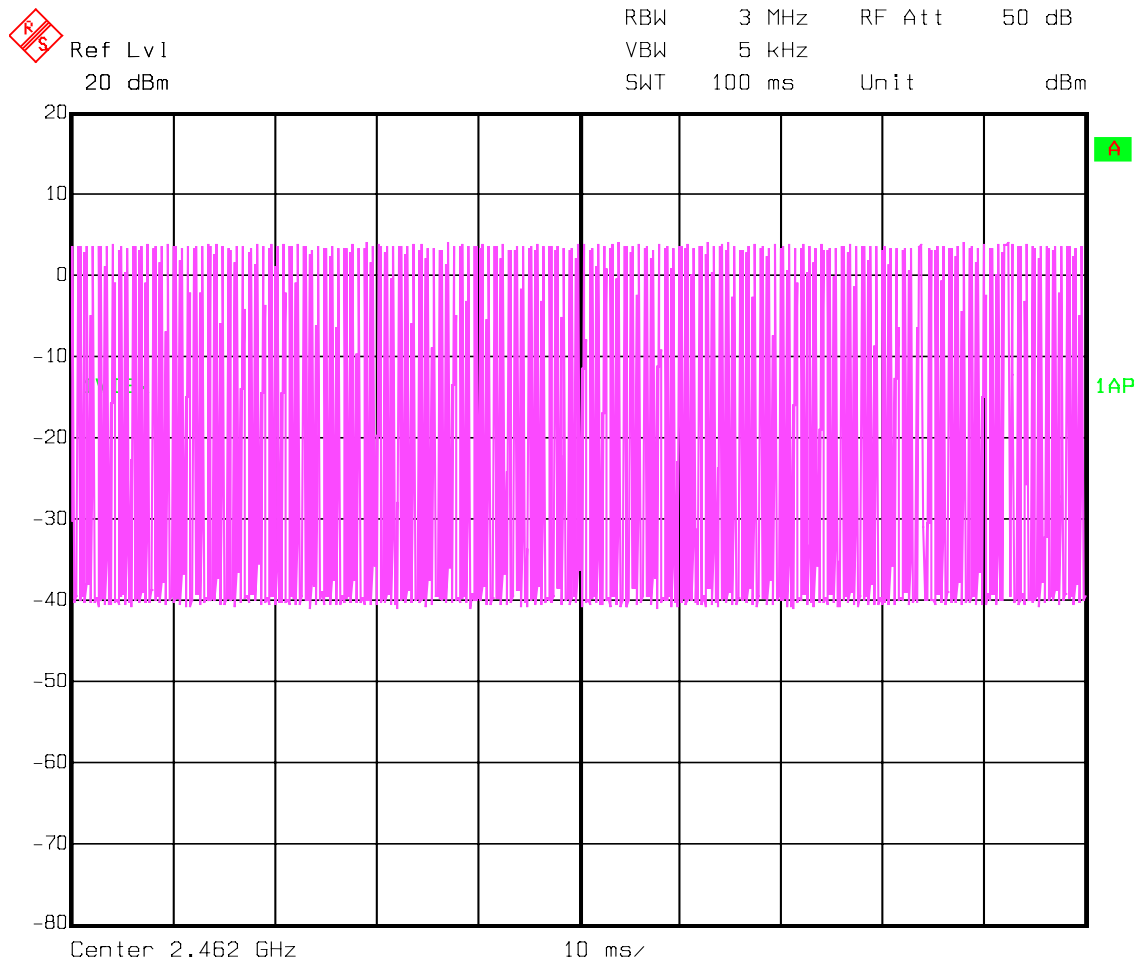
### Transmitter ON time



### Transmitter ON+OFF time



### 100mSec plot to show repetition of pattern



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