

Appendix D. Duty Cycle Plots

<Ant. 3>



Note:

- Worst case Duty cycle = on time/100 milliseconds = $4 * 0.050 / 100 = 0.20 \%$
- Worst case Duty cycle correction factor = $20 * \log(\text{Duty cycle}) = -53.98 \text{ dB}$

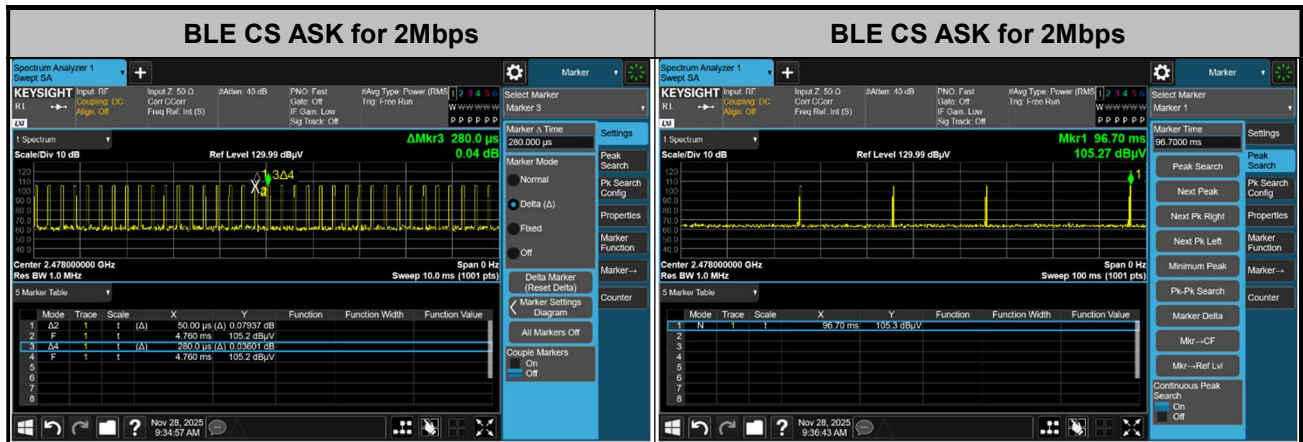
Duty Cycle Correction Factor Consideration for AFH mode:

The maximum possible ON time:

$$0.050 \text{ ms} \times 4 = 0.2 \text{ ms}$$

Worst case Duty Cycle Correction factor, which is derived from the maximum possible ON time,

$$20 \times \log(0.2 \text{ ms}/100 \text{ ms}) = -53.98 \text{ dB}$$


Note:

- Worst case Duty cycle = on time/100 milliseconds = $4 \times 0.050 / 100 = 0.20 \%$
- Worst case Duty cycle correction factor = $20 \times \log(\text{Duty cycle}) = -53.98 \text{ dB}$

Duty Cycle Correction Factor Consideration for AFH mode:

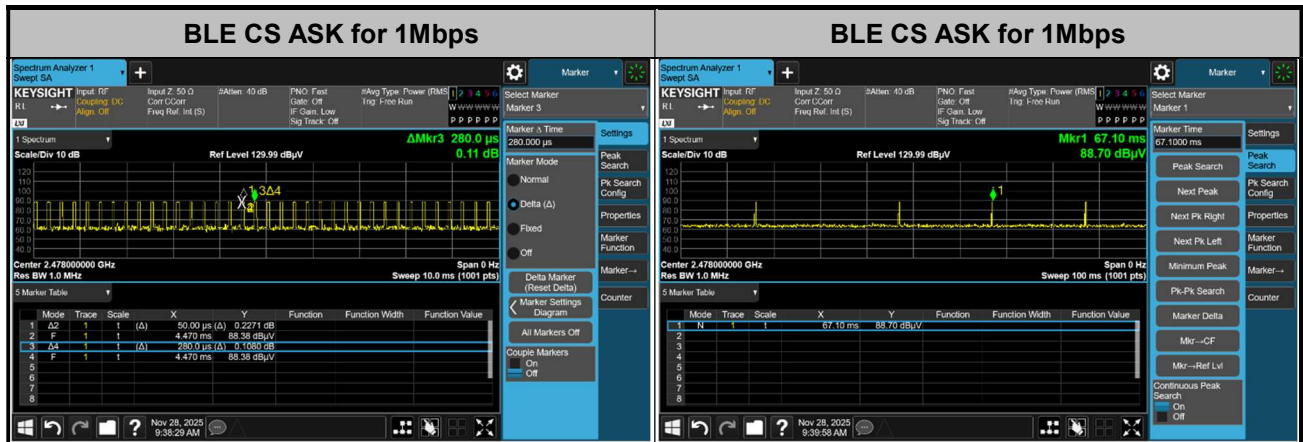
The maximum possible ON time:

$$0.050 \text{ ms} \times 4 = 0.2 \text{ ms}$$

Worst case Duty Cycle Correction factor, which is derived from the maximum possible ON time,

$$20 \times \log(0.2 \text{ ms}/100 \text{ ms}) = -53.98 \text{ dB}$$

<Ant. 4>



Note:

1. Worst case Duty cycle = on time/100 milliseconds = $4 \times 0.050 / 100 = 0.20 \%$
2. Worst case Duty cycle correction factor = $20 \times \log(\text{Duty cycle}) = -53.98 \text{ dB}$

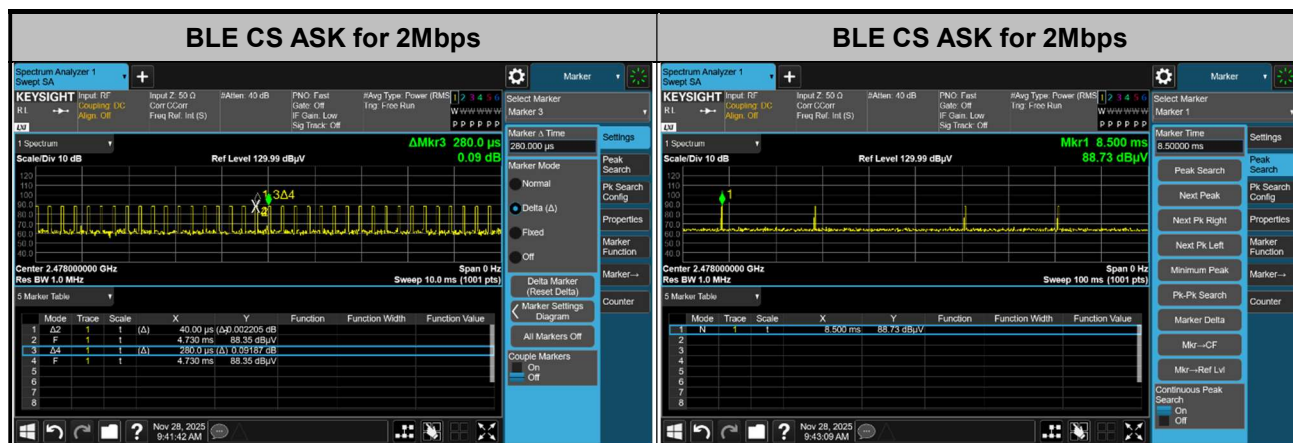
Duty Cycle Correction Factor Consideration for AFH mode:

The maximum possible ON time:

$$0.050 \text{ ms} \times 4 = 0.2 \text{ ms}$$

Worst case Duty Cycle Correction factor, which is derived from the maximum possible ON time,

$$20 \times \log(0.2 \text{ ms}/100 \text{ ms}) = -53.98 \text{ dB}$$


Note:

- Worst case Duty cycle = on time/100 milliseconds = $4 \times 0.040 / 100 = 0.16 \%$
- Worst case Duty cycle correction factor = $20 \times \log(\text{Duty cycle}) = -55.92 \text{ dB}$

Duty Cycle Correction Factor Consideration for AFH mode:

The maximum possible ON time:

$$0.040 \text{ ms} \times 4 = 0.16 \text{ ms}$$

Worst case Duty Cycle Correction factor, which is derived from the maximum possible ON time,

$$20 \times \log(0.16 \text{ ms}/100 \text{ ms}) = -55.92 \text{ dB}$$

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