



**TP Support de Transmission
Mélageur à diode**

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Abstract

1 Préparation

2 Manipulations

2.1 Etalonnage

2.2 Isolations

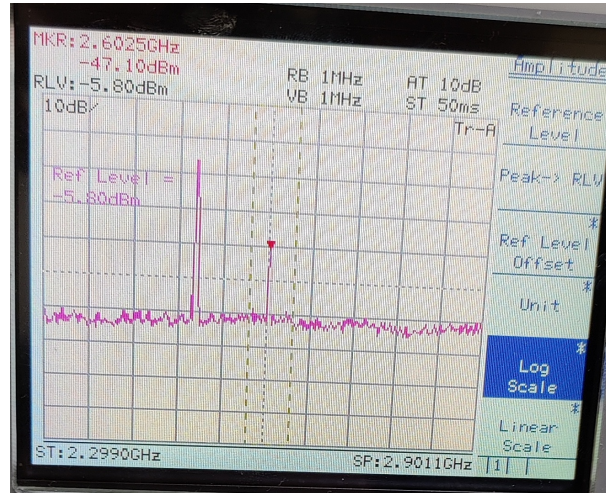


Figure 1: Raies en voie IF

On a mesuré les puissances des raies :

$$P_{OL}(IF) = -22dBm$$

$$P_{RF}(IF) = -47dBm$$

Isolations :

$$I_{RF_{IF}} = P_{RF}(RF) - P_{RF}(IF) = (-20dBm) - (-47dBm)$$

$$I_{RF_{IF}} = 27dB$$

$$I_{OL_{IF}} = P_{OL}(OL) - P_{OL}(IF) = (7dBm) - (-22dBm)$$

$$I_{OL_{IF}} = 29dB$$

2.3 Pertes de conversion

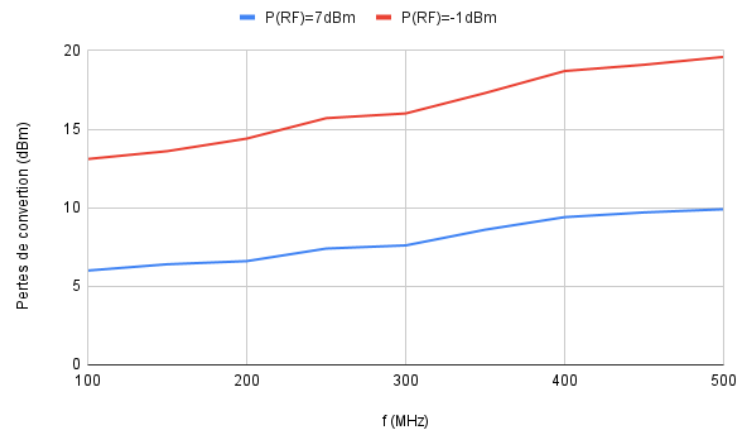


Figure 2: Pertes de conversions en fonction de f_{IF}

3 Conclusion

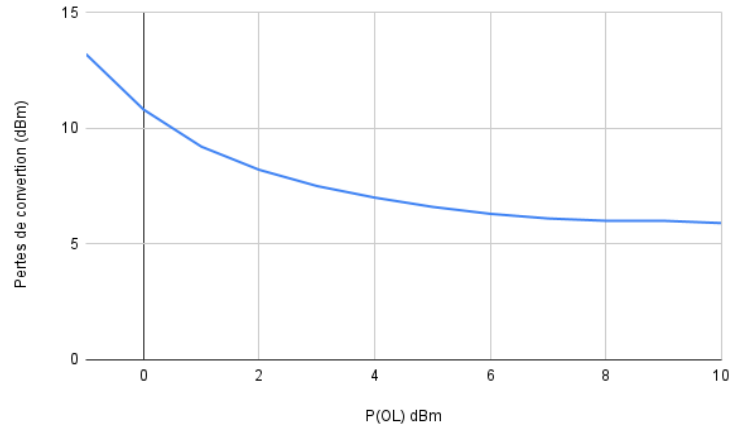


Figure 3: Pertes de conversions en fonction de P_{OL}

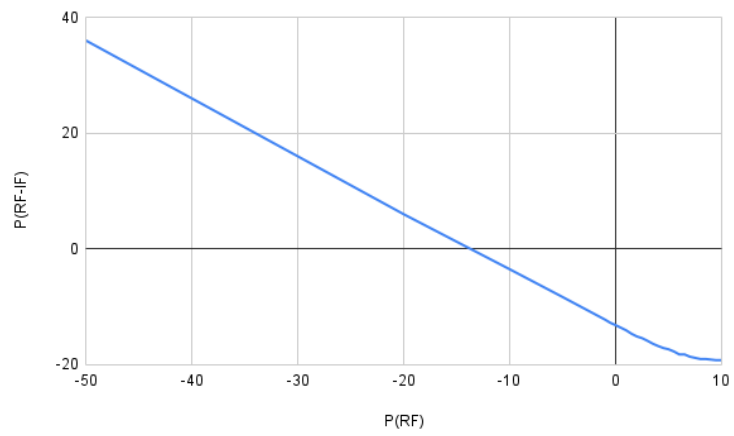


Figure 4: Pertes de conversions en fonction de P_{RF}