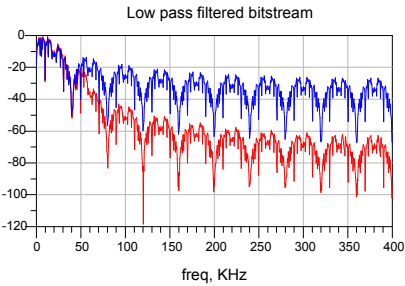


Eqn Distance = R[0]

Distance
40.0

$\text{dBm}(\text{fs}(\text{real}(\text{BitStream}[0 \dots 0]), \dots, \text{"Kaiser"})) - \text{WindowGain}$
 $\text{dBm}(\text{fs}(\text{real}(\text{RaisedCosFiltered}[0 \dots 0]), \dots, \text{"Kaiser"})) - \text{WindowGain}$

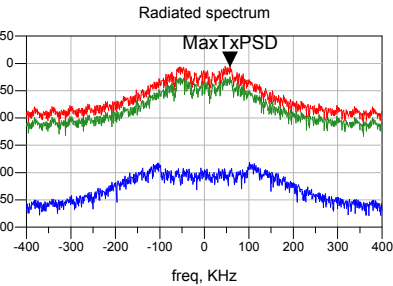


Eqn EIRP = spec_power(dBm(fs(TX_out[0::,1],..., "Kaiser")),-4e5,4e5) - WindowGain

EIRP
9.982

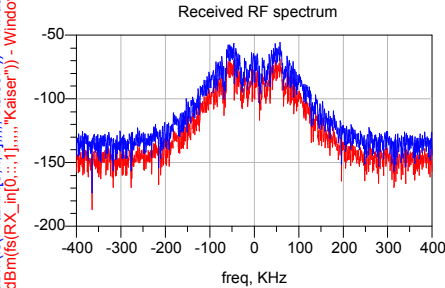
MaxTxPSD
freq=58.kHz
$\text{dBm}(\text{fs}(\text{TX_out}[0 \dots 1], \dots, \text{"Kaiser"})) - \text{WindowGain} = -4.8$
Max

$\text{dBm}(\text{fs}(\text{BefPA}[0 \dots 1], \dots, \text{"Kaiser"})) - \text{WindowGain}$
 $\text{dBm}(\text{fs}(\text{TX_out}[0 \dots 2], \dots, \text{"Kaiser"})) - \text{WindowGain}$
 $\text{dBm}(\text{fs}(\text{TX_out}[0 \dots 1], \dots, \text{"Kaiser"})) - \text{WindowGain}$

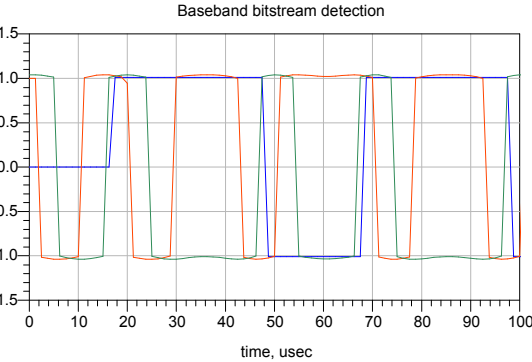


Eqn PowertoPA=spec_power(dBm(fs(BefPA[0::,1],..., "Kaiser")),-4e5,4e5) - WindowGain

$\text{dBm}(\text{fs}(\text{AtLNLA}[0 \dots 1], \dots, \text{"Kaiser"})) - \text{WindowGain}$
 $\text{dBm}(\text{fs}(\text{RX_In}[0 \dots 1], \dots, \text{"Kaiser"})) - \text{WindowGain}$



$\text{real}(\text{Ref}[0 \dots 0])$
 $\text{real}(\text{Data}[0 \dots 0])$
 $\text{real}(\text{RX_BitStream}[0 \dots 0])$



Eqn PowertoPA=spec_power(dBm(fs(BefPA[0::,1],..., "Kaiser")),-4e5,4e5) - WindowGain

Eqn SecondArmonicPower=spec_power(dBm(fs(TX_out[0::,2],..., "Kaiser")),-4e5,4e5) - WindowGain

SecondArmonicPower	PowertoPA
-166.738	-10.000