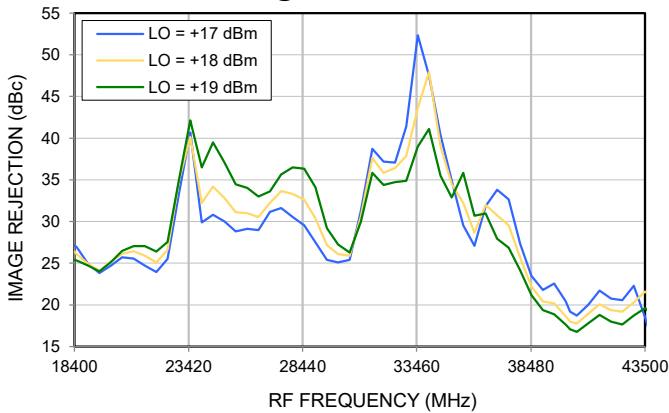
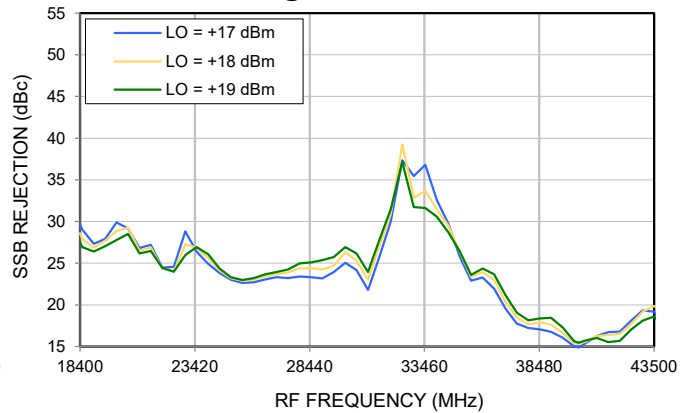


Typical Performance Curves

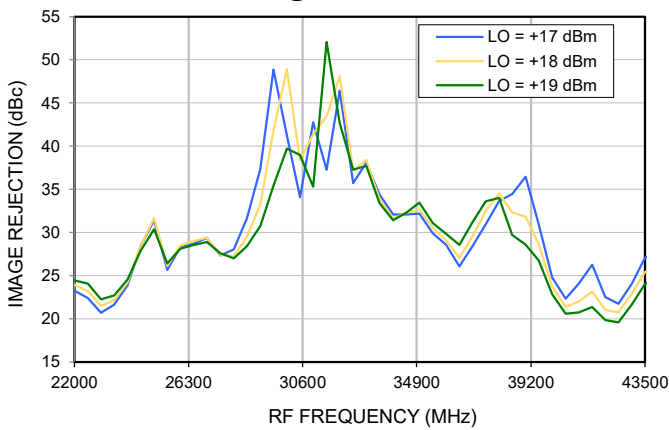
**IMAGE REJECTION (DOWNCONVERTER)
@ IF = 200 MHz**



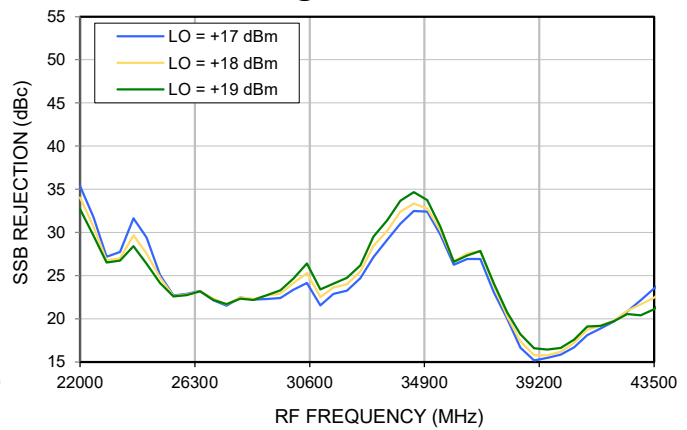
**SSB REJECTION (UPCONVERTER)
@ IF = 200 MHz**



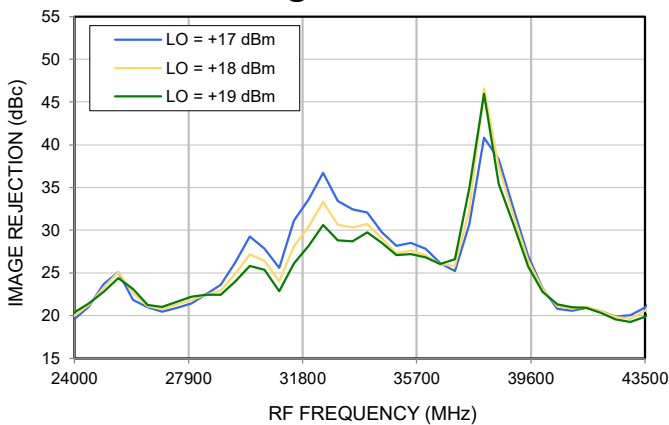
**IMAGE REJECTION (DOWNCONVERTER)
@ IF = 2 GHz**



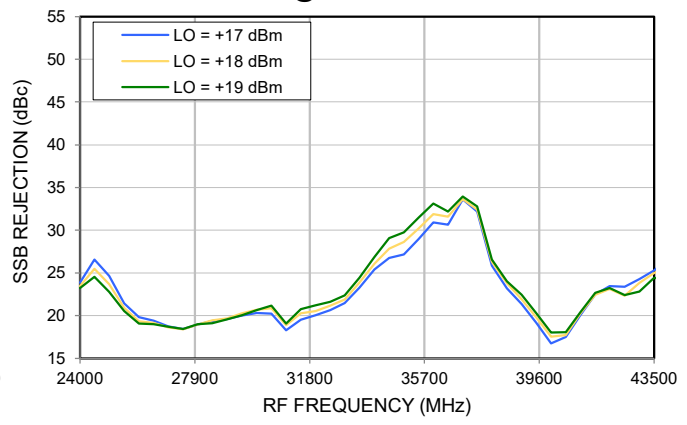
**SSB REJECTION (UPCONVERTER)
@ IF = 2 GHz**



**IMAGE REJECTION (DOWNCONVERTER)
@ IF = 3 GHz**

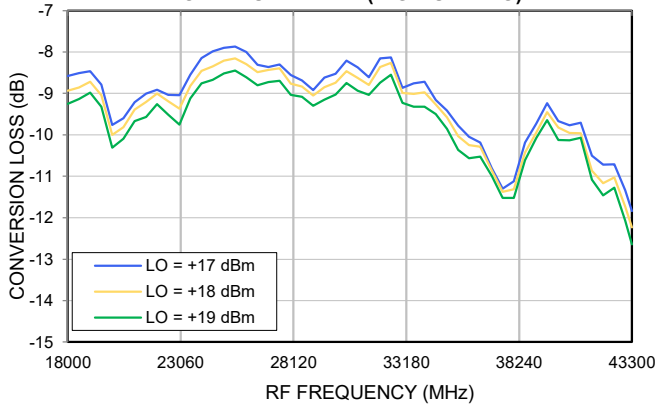


**SSB REJECTION (UPCONVERTER)
@ IF = 3 GHz**

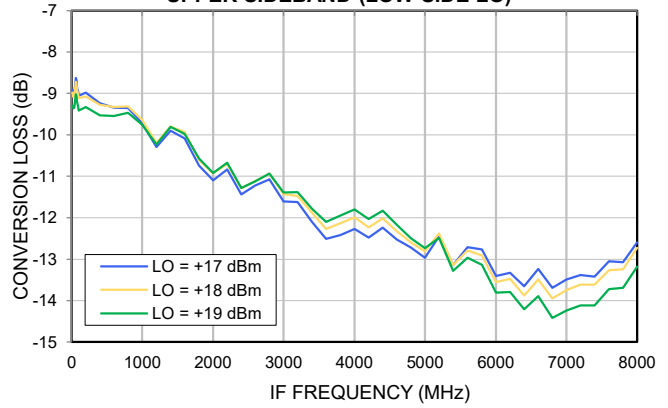


Typical Performance Curves

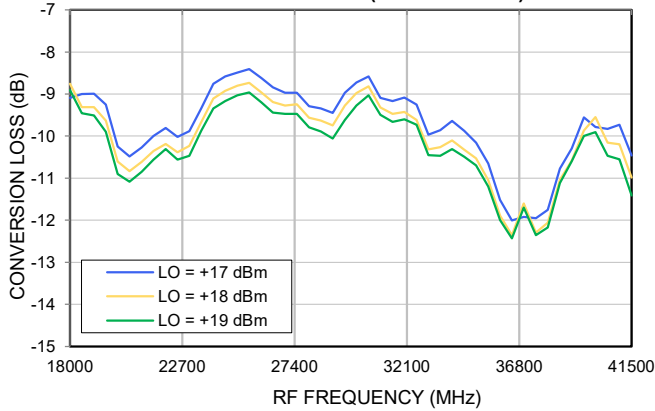
**CONVERSION LOSS VS. RF @ IF = 200 MHz
LOWER SIDEBAND (HIGH-SIDE LO)**



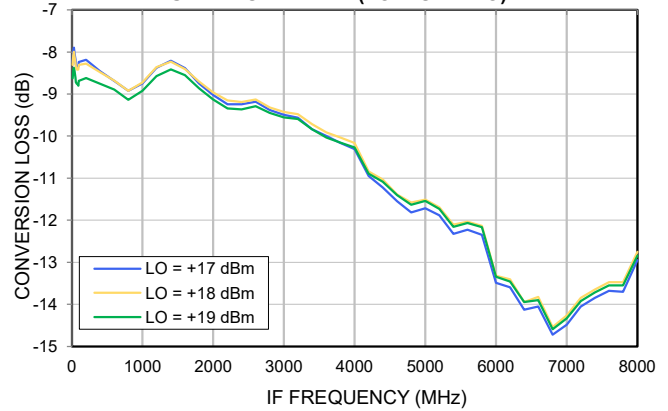
**CONVERSION LOSS VS. IF @ FIXED LO = 18 GHz
UPPER SIDEBAND (LOW-SIDE LO)**



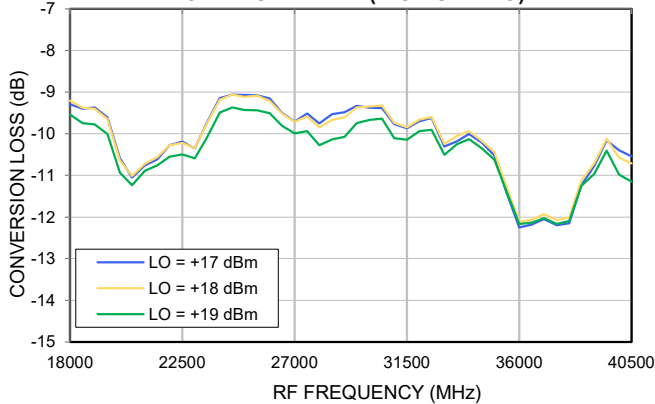
**CONVERSION LOSS VS. RF @ IF = 2 GHz
LOWER SIDEBAND (HIGH-SIDE LO)**



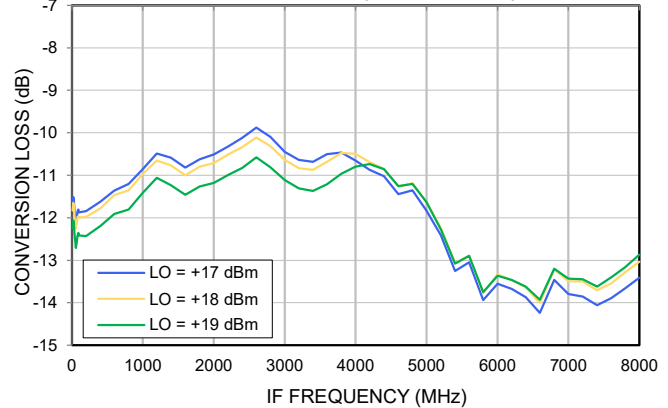
**CONVERSION LOSS VS. IF @ FIXED LO = 30.75 GHz
UPPER SIDEBAND (LOW-SIDE LO)**



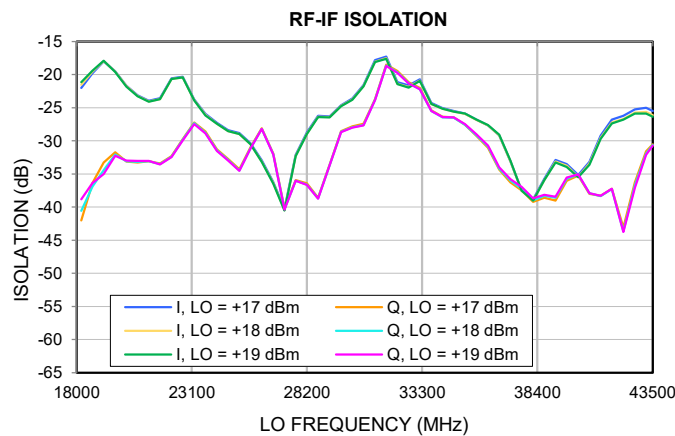
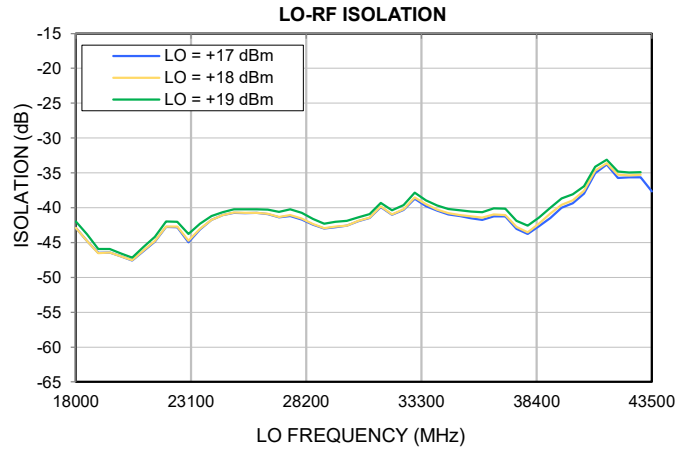
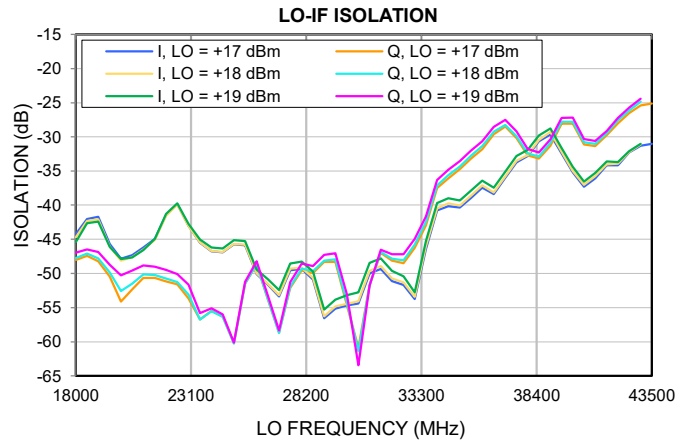
**CONVERSION LOSS VS. RF @ IF = 3 GHz
LOWER SIDEBAND (HIGH-SIDE LO)**



**CONVERSION LOSS VS. IF @ FIXED LO = 43.5 GHz
LOWER SIDEBAND (HIGH-SIDE LO)**

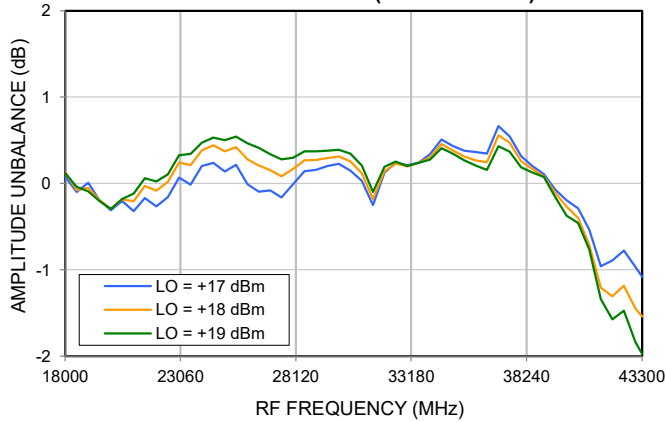


Typical Performance Curves

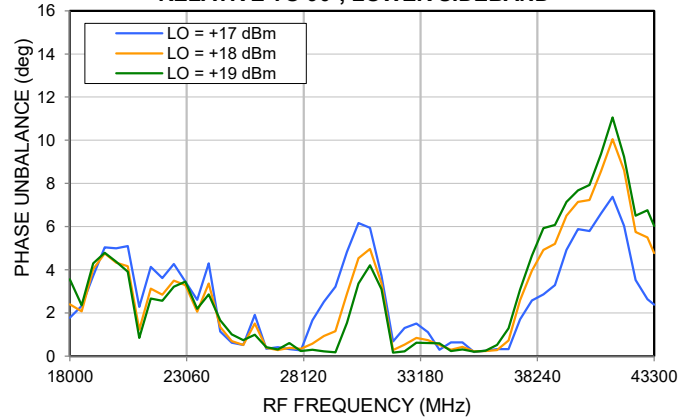


Typical Performance Curves

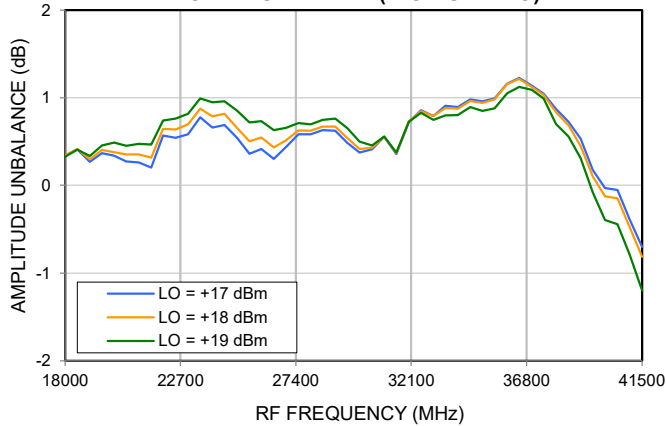
**AMPLITUDE UNBALANCE @ FIXED IF = 200 MHz
LOWER SIDEBAND (HIGH-SIDE LO)**



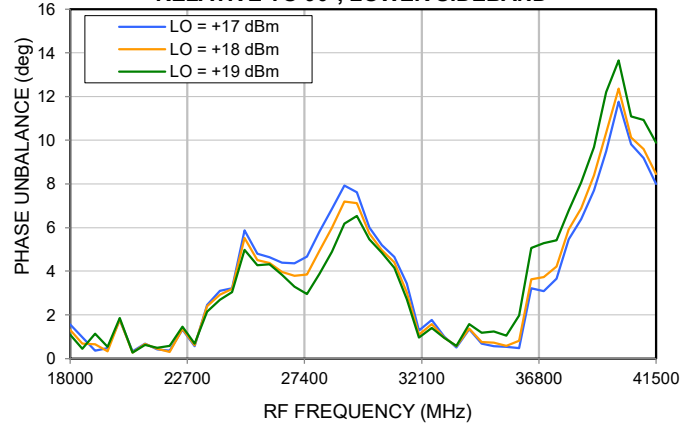
**PHASE UNBALANCE @ FIXED IF = 200 MHz
RELATIVE TO 90°, LOWER SIDEBAND**



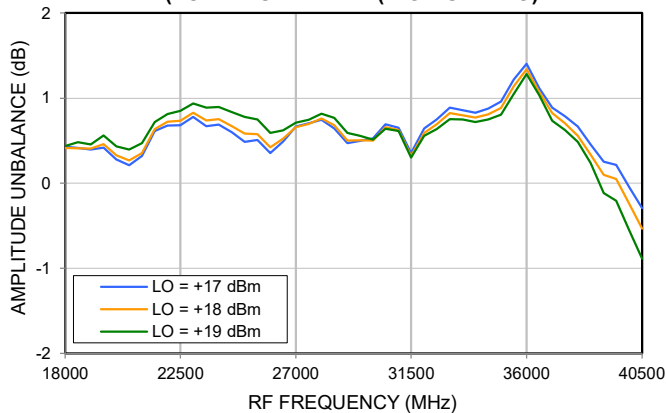
**AMPLITUDE UNBALANCE @ FIXED IF = 2 GHz
LOWER SIDEBAND (HIGH-SIDE LO)**



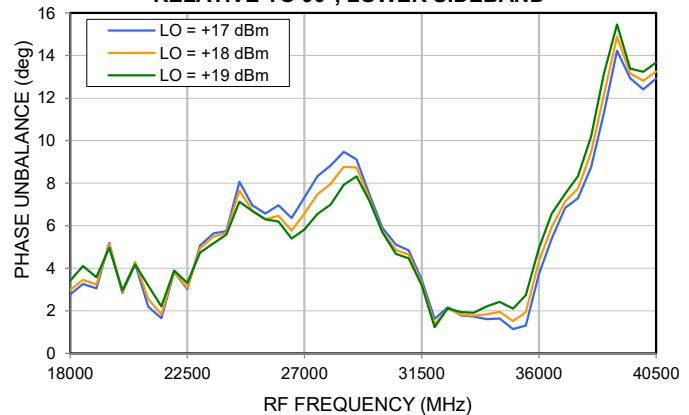
**PHASE UNBALANCE @ FIXED IF = 2 GHz
RELATIVE TO 90°, LOWER SIDEBAND**



**AMPLITUDE UNBALANCE @ FIXED IF = 3 GHz
(LOWER SIDEBAND (HIGH-SIDE LO))**

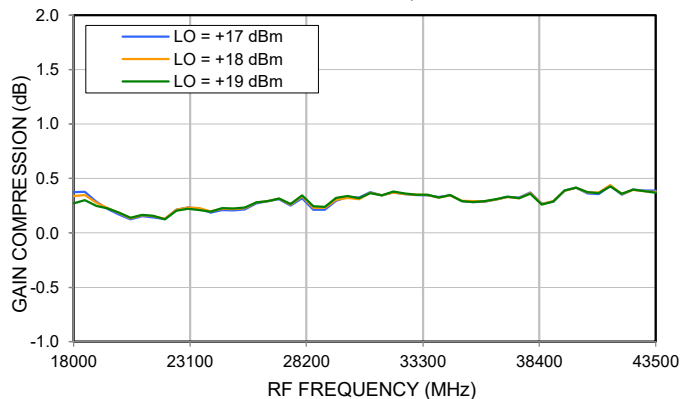


**PHASE UNBALANCE @ FIXED IF = 3 GHz
RELATIVE TO 90°, LOWER SIDEBAND**

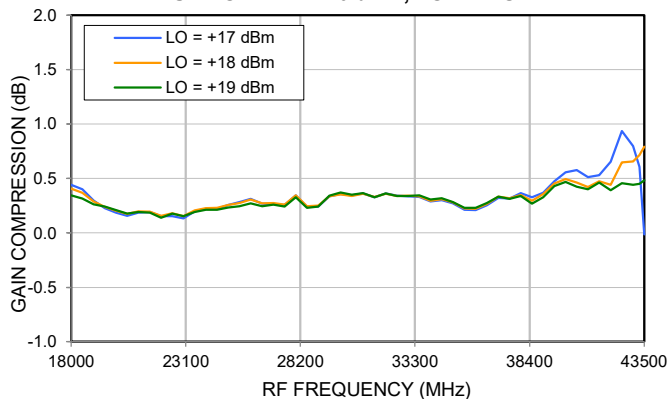


Typical Performance Curves

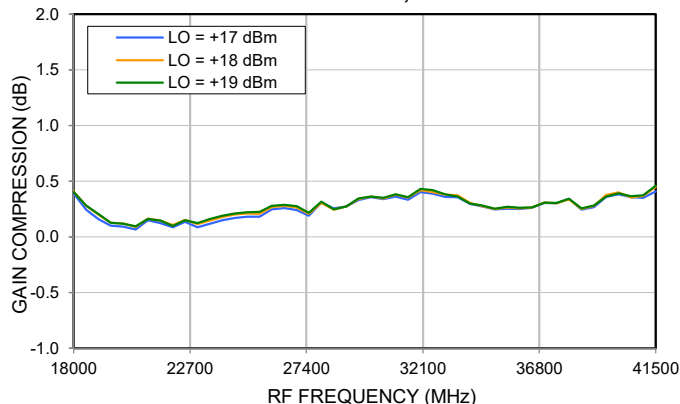
GAIN COMPRESSION (I) @ FIXED IF = 200 MHz
RF INPUT POWER = +10 dBm, LOWER SIDEBAND



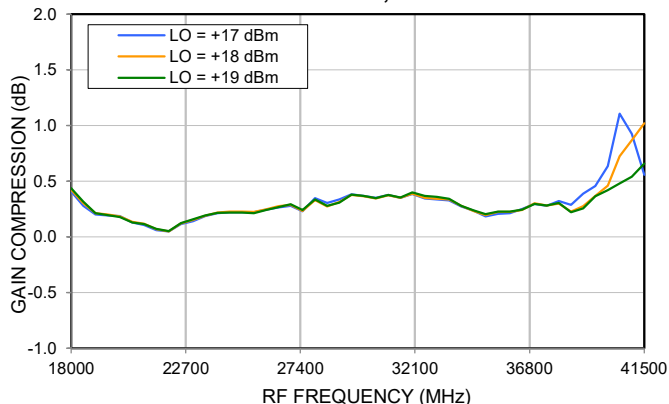
GAIN COMPRESSION (Q) @ FIXED IF = 200 MHz
RF INPUT POWER = +10 dBm, LOWER SIDEBAND



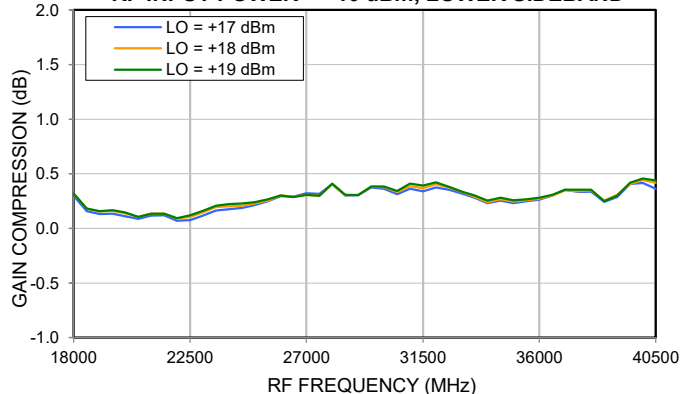
GAIN COMPRESSION (I) @ FIXED IF = 2 GHz
RF INPUT POWER = +10 dBm, LOWER SIDEBAND



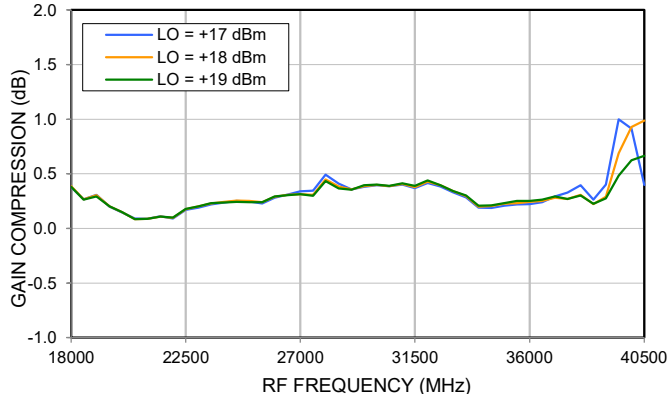
GAIN COMPRESSION (Q) @ FIXED IF = 2 GHz
RF INPUT POWER = +10 dBm, LOWER SIDEBAND



GAIN COMPRESSION (I) @ FIXED IF = 3 GHz
RF INPUT POWER = +10 dBm, LOWER SIDEBAND

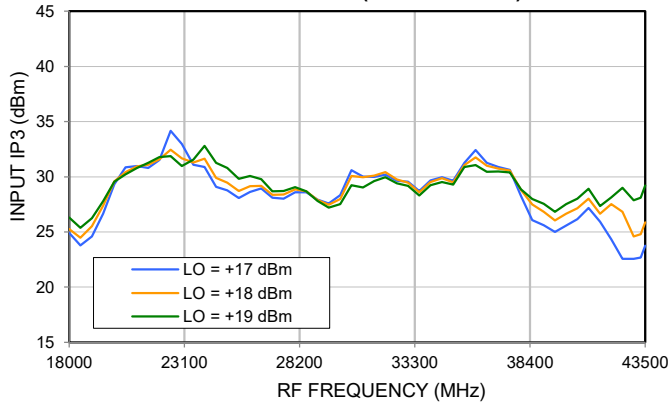


GAIN COMPRESSION (Q) @ FIXED IF = 3 GHz
RF INPUT POWER = +10 dBm, LOWER SIDEBAND

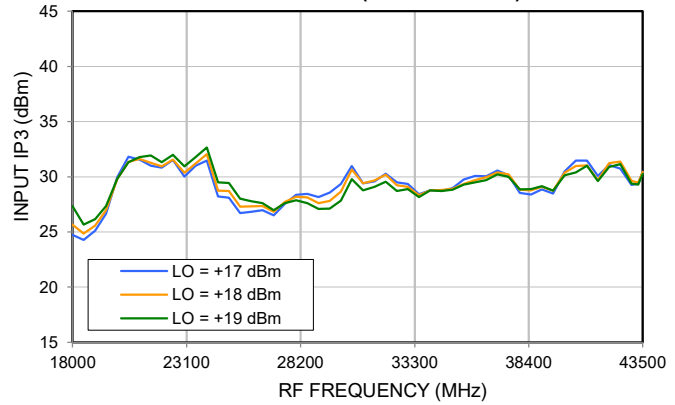


Typical Performance Curves

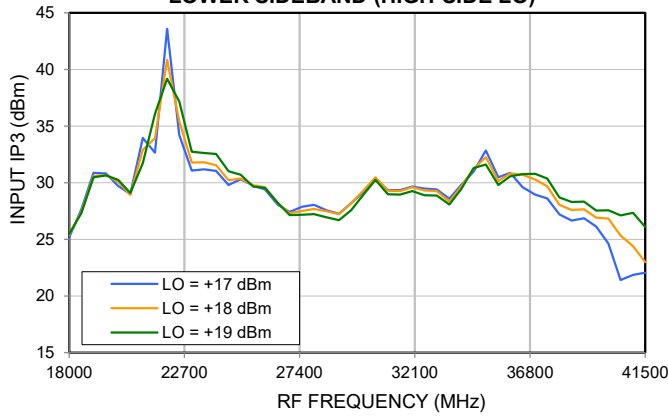
**INPUT IP3 (I) @ FIXED IF = 200 MHz
LOWER SIDEBAND (HIGH-SIDE LO)**



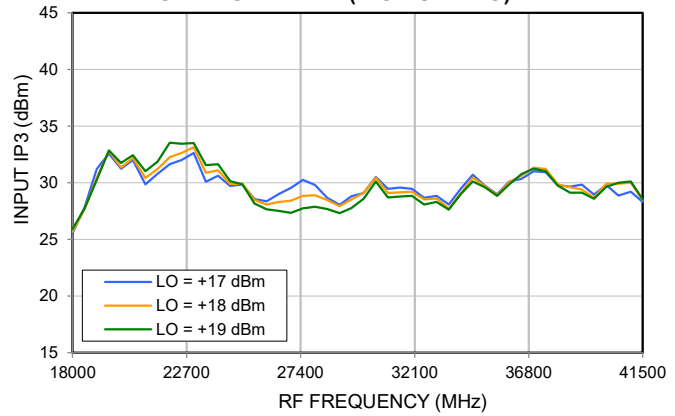
**INPUT IP3 (Q) @ FIXED IF = 200 MHz
LOWER SIDEBAND (HIGH-SIDE LO)**



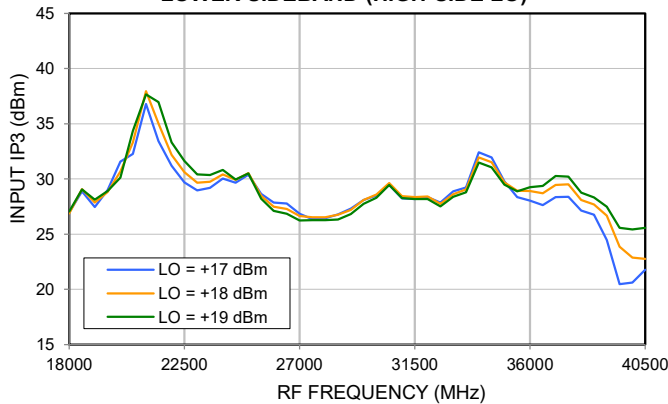
**INPUT IP3 (I) @ FIXED IF = 2 GHz
LOWER SIDEBAND (HIGH-SIDE LO)**



**INPUT IP3 (Q) @ FIXED IF = 2 GHz
LOWER SIDEBAND (HIGH-SIDE LO)**



**INPUT IP3 (I) @ FIXED IF = 3 GHz
LOWER SIDEBAND (HIGH-SIDE LO)**



**INPUT IP3 (Q) @ FIXED IF = 3 GHz
LOWER SIDEBAND (HIGH-SIDE LO)**

