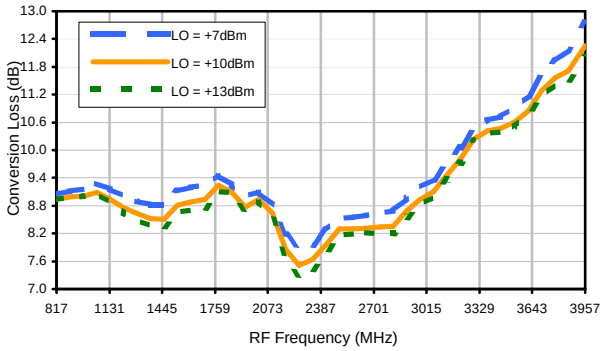
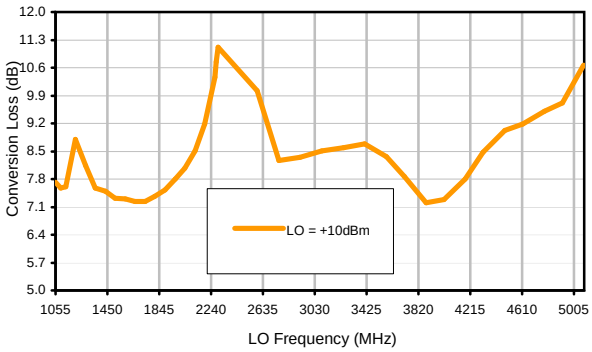
Typical Performance Curves

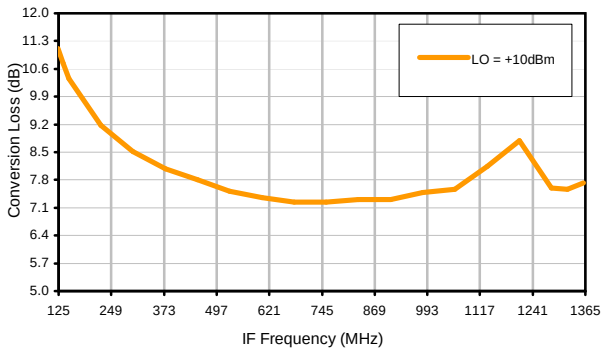
Conversion Loss @ IF=1803MHz



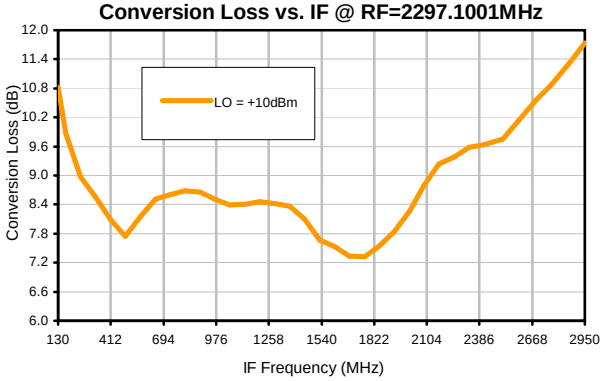
Conversion Loss vs. LO @ RF=2417.1001MHz



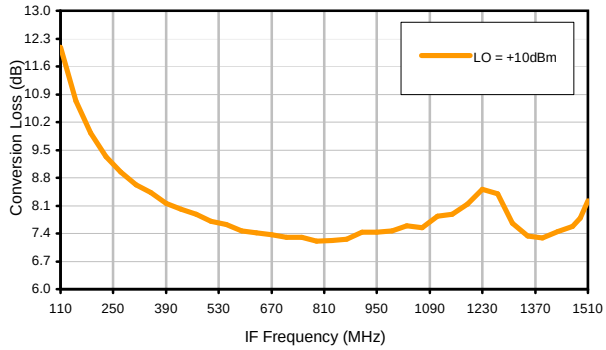
Conversion Loss vs. IF @ RF=2417.1001MHz



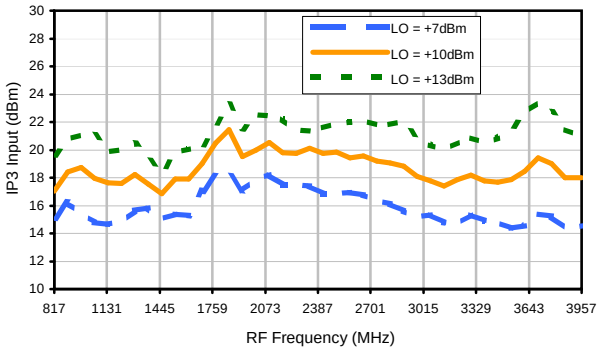
Conversion Loss vs. IF @ RF=2297.1001MHz



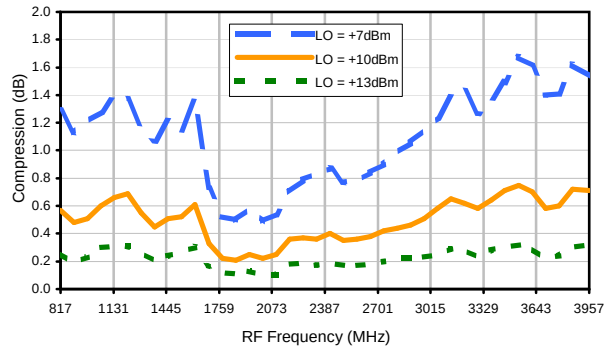
Conversion Loss vs. IF @ RF=2537.1001MHz



IP3 Input

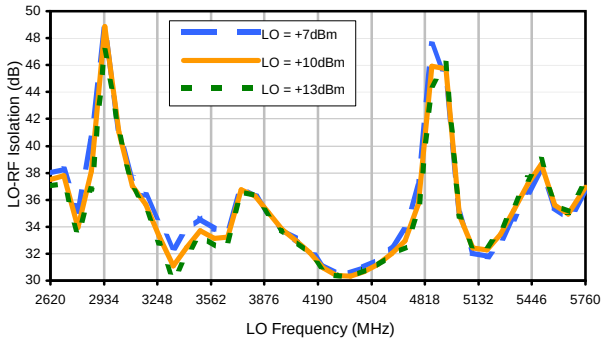


Compression @ RF IN=+7dBm

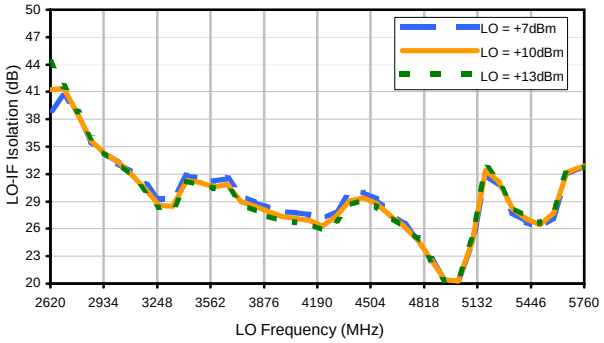


Typical Performance Curves

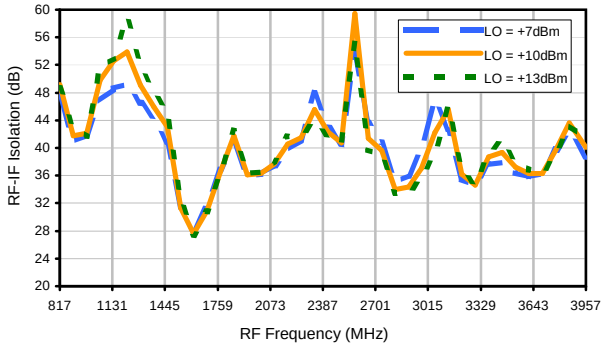
LO-RF Isolation



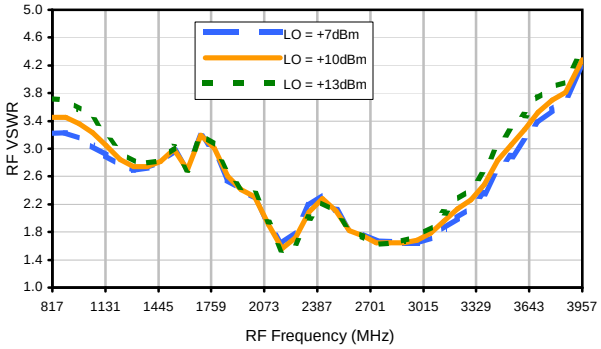
LO-IF Isolation



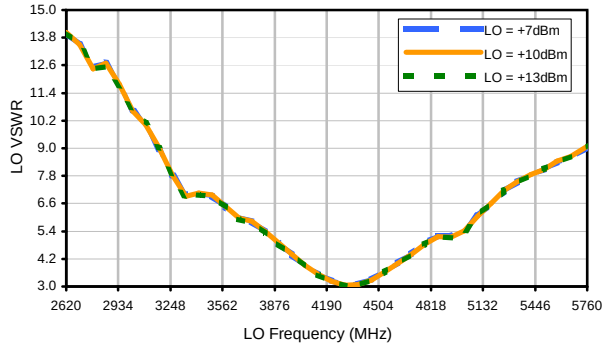
RF-IF Isolation



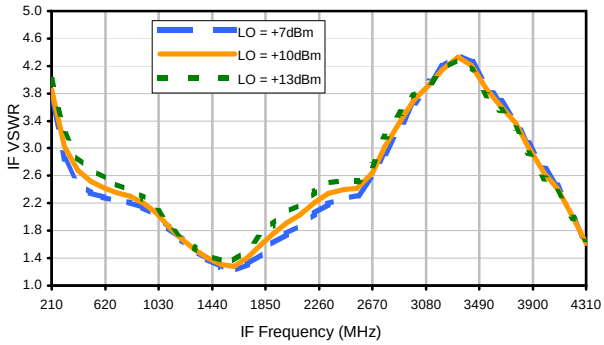
RF VSWR



LO VSWR



IF VSWR



Harmonics Tables

RF HARMONICS ORDER	(-dBm)	(-dBc)										
0	-	-	+0	+7	21	30	38	---	---	---	---	---
1	-	33	+0	43	27	36	49	56	---	---	---	---
2	79	48	64	55	63	58	65	>74	---	---	---	---
3	>90	>74	60	>74	72	>74	>74	>74	>74	---	---	---
4	>90	>74	>74	>74	>74	>74	>74	>74	>74	---	---	---
5	>90	>74	>74	>74	>74	>74	>74	>74	>74	>74	---	---
6	>90	>74	>74	>74	>74	>74	>74	>74	>74	>74	>74	---
7	>90	>74	>74	>74	>74	>74	>74	>74	>74	>74	>74	---
8	>90	>74	>74	>74	>74	>74	>74	>74	>74	>74	>74	>74
9	>90	>74	>74	>74	>74	>74	>74	>74	>74	>74	>74	>74
10	---	---	>74	>74	>74	>74	>74	>74	>74	>74	>74	>74
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions: RF IN: 2417.1 MHz; -8.00 dBm.
LO IN: 4220.1 MHz; +10.00 dBm
IF OUT: 1803 MHz; -16.04 dBm

RF HARMONICS ORDER	(-dBm)	(-dBc)										
0	-	-	10	3	32	49	50	---	---	---	---	---
1	-	34	+0	43	28	36	51	57	---	---	---	---
2	59	37	55	45	55	48	56	71	---	---	---	---
3	>90	56	41	60	52	61	58	68	79	---	---	---
4	>90	70	>84	61	68	66	79	83	79	---	---	---
5	>90	>84	81	81	67	82	>84	>84	>84	>84	---	---
6	>90	>84	>84	>84	>84	81	>84	>84	>84	>84	>84	---
7	>90	>84	>84	>84	>84	>84	>84	>84	>84	>84	>84	---
8	>90	>84	>84	>84	>84	>84	>84	>84	>84	>84	>84	>84
9	>90	>84	>84	>84	>84	>84	>84	>84	>84	>84	>84	>84
10	---	---	>84	>84	>84	>84	>84	>84	>84	>84	>84	>84
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions: RF IN: 2417.1 MHz; 2.00 dBm.
LO IN: 4220.1 MHz; +10.00 dBm
IF OUT: 1803 MHz; -6.24 dBm

Notes: 1. All Harmonics are in (dBc) relative to IF OUTPUT.
2. + entry denotes harmonics are in (dBc) above IF OUTPUT.
3. RF Cal represent the Harmonics level of the RF input signal to the mixer.