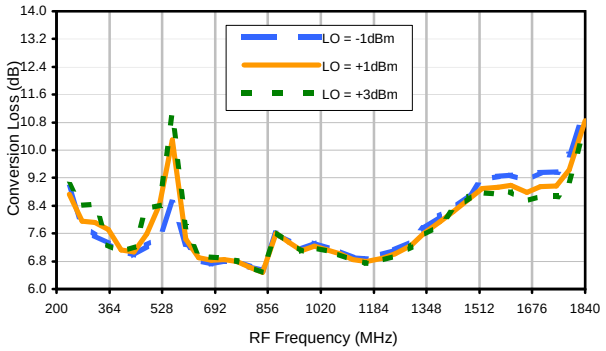
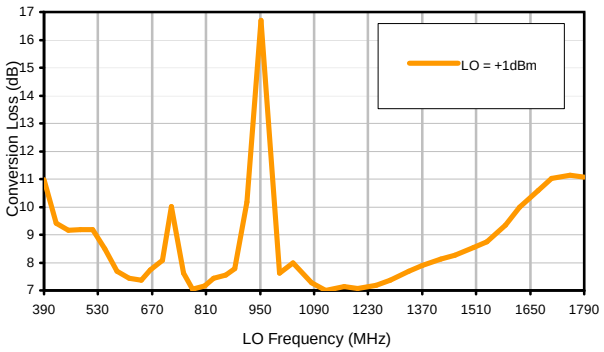
Typical Performance Curves

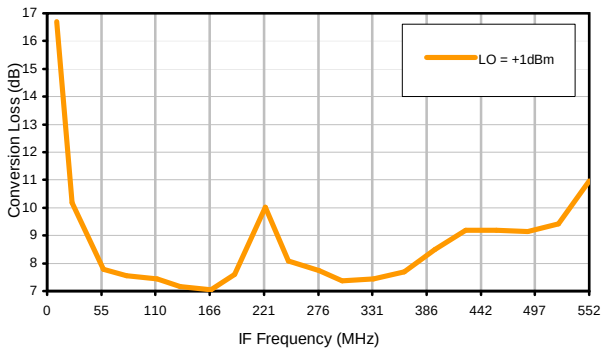
Conversion Loss @ IF=161MHz



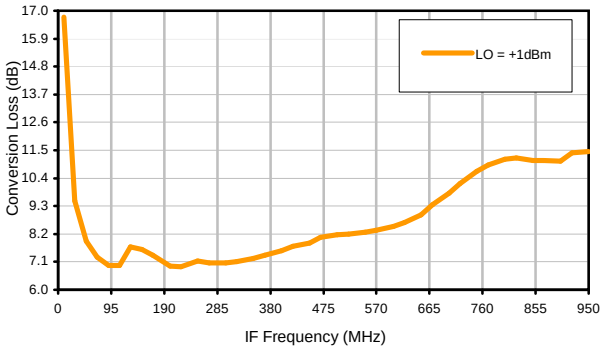
Conversion Loss vs. LO @ RF=942MHz



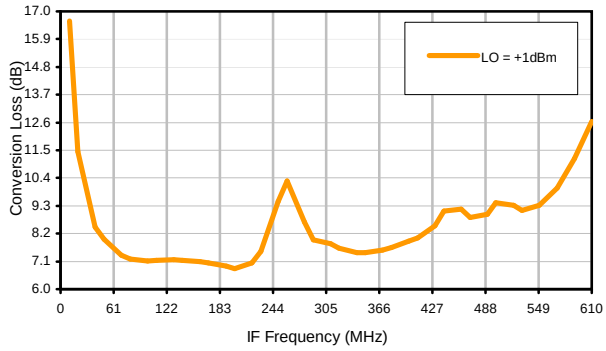
Conversion Loss vs. IF @ RF=942MHz



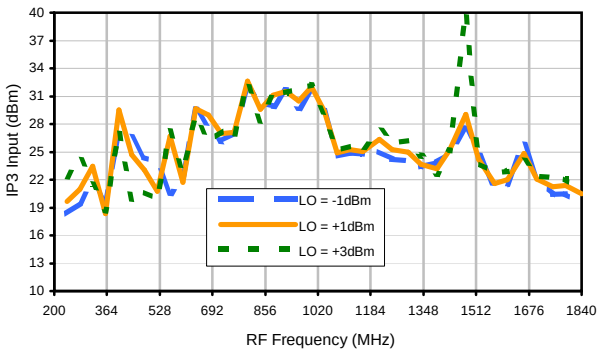
Conversion Loss vs. IF @ RF=902MHz



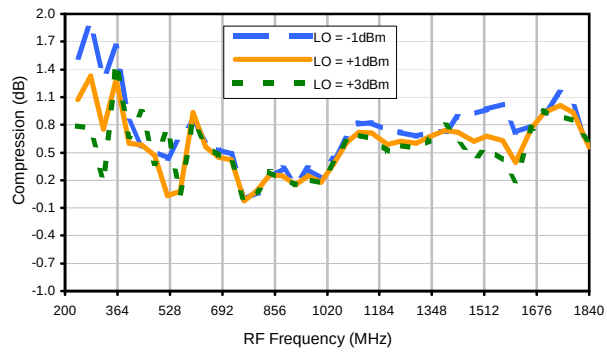
Conversion Loss vs. IF @ RF=982MHz



IP3 Input

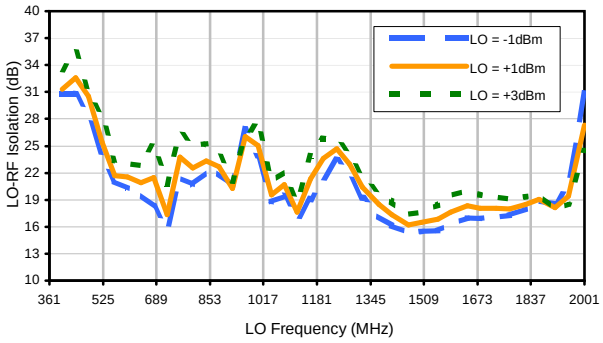


Compression @ RF IN=+15dBm

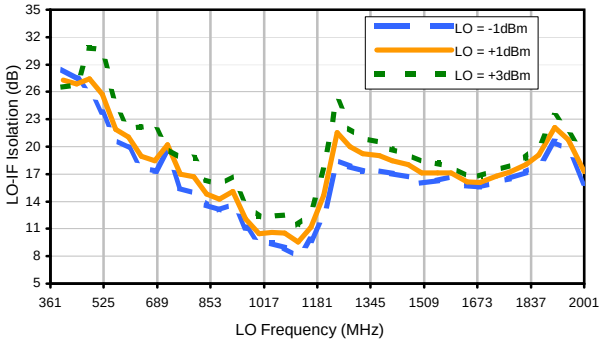


Typical Performance Curves

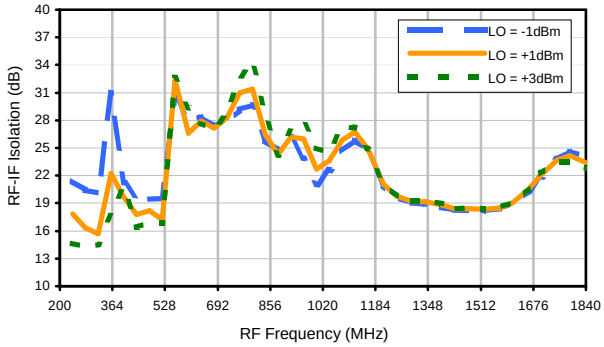
LO-RF Isolation



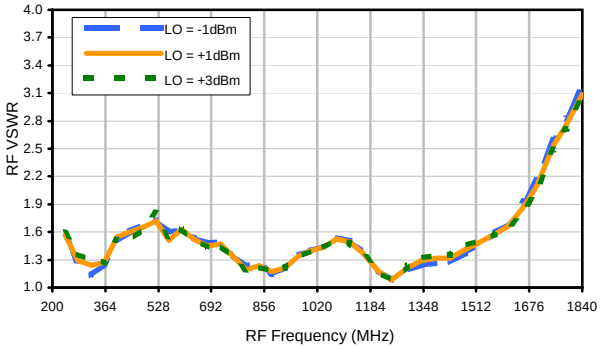
LO-IF Isolation



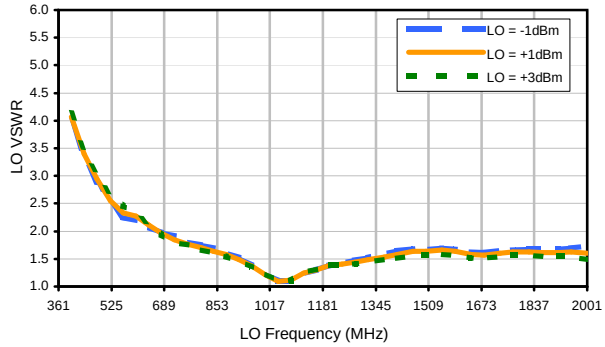
RF-IF Isolation



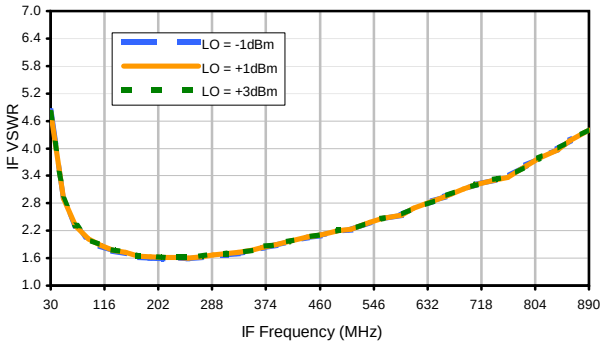
RF VSWR



LO VSWR



IF VSWR



Harmonics Tables

RF HARMONICS ORDER	(-dBm)	(-dBc)										
0	-	-	3	18	5	28	34	26	29	51	30	36
1	-	19	+0	32	18	30	39	34	42	49	55	55
2	62	45	60	41	56	46	60	68	63	64	68	75
3	>90	>83	74	>83	79	>83	78	>83	>83	>83	82	>83
4	>90	>83	>83	>83	>83	>83	>83	>83	>83	>83	>83	>83
5	>90	>83	>83	>83	>83	>83	>83	>83	>83	>83	>83	>83
6	>90	>83	>83	>83	>83	>83	>83	>83	>83	>83	>83	>83
7	>90	>83	>83	>83	>83	>83	>83	>83	>83	>83	>83	>83
8	>90	>83	>83	>83	>83	>83	>83	>83	>83	>83	>83	>83
9	>90	>83	>83	>83	>83	>83	>83	>83	>83	>83	>83	>83
10	>90	>83	>83	>83	>83	>83	>83	>83	>83	>83	>83	>83
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions:
RF IN: 942 MHz; 0.00 dBm.
LO IN: 1080.5 MHz; +1.00 dBm
IF OUT: 138.5 MHz; -7.33 dBm

RF HARMONICS ORDER	(-dBm)	(-dBc)										
0	-	-	13	24	16	37	40	36	38	58	42	45
1	-	19	+0	33	18	31	39	34	43	50	56	56
2	42	35	50	32	45	37	50	58	53	55	59	66
3	66	63	54	66	60	66	58	71	75	76	64	75
4	>90	79	72	74	71	70	73	76	81	90	85	80
5	>90	>93	92	84	90	84	82	86	85	92	>93	>93
6	>90	>93	>93	>93	92	>93	>93	>93	>93	>93	>93	>93
7	>90	>93	>93	>93	>93	>93	>93	>93	>93	>93	>93	>93
8	>90	>93	>93	>93	>93	>93	>93	>93	>93	>93	>93	>93
9	>90	>93	>93	>93	>93	>93	>93	>93	>93	>93	>93	>93
10	>90	>93	>93	>93	>93	>93	>93	>93	>93	>93	>93	>93
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions:
RF IN: 942 MHz; 10.00 dBm.
LO IN: 1080.5 MHz; +1.00 dBm
IF OUT: 138.5 MHz; 2.61 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.