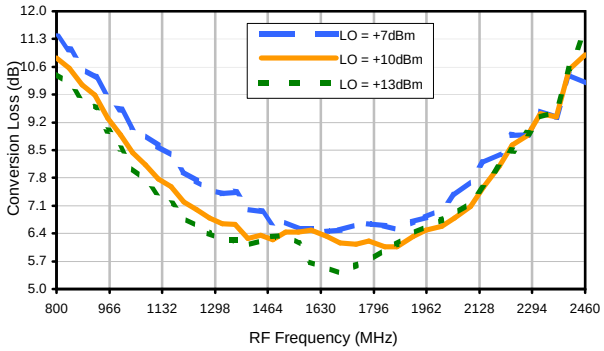
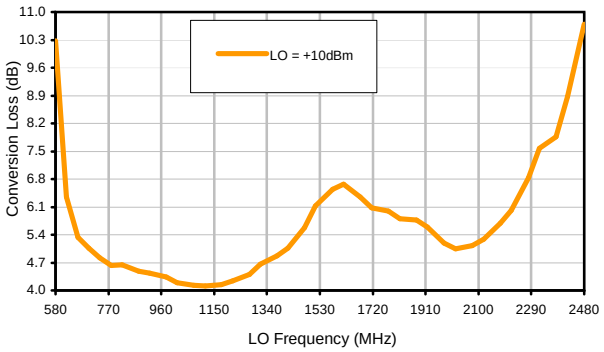
Typical Performance Curves

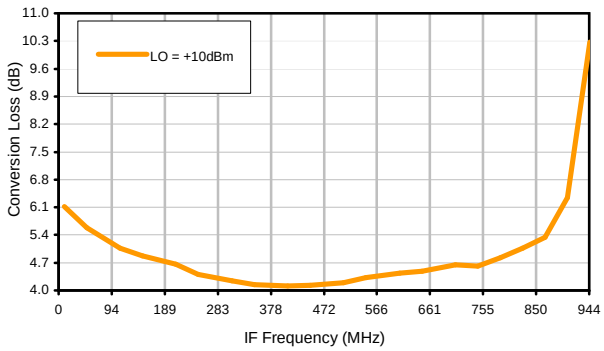
Conversion Loss @ IF=30MHz



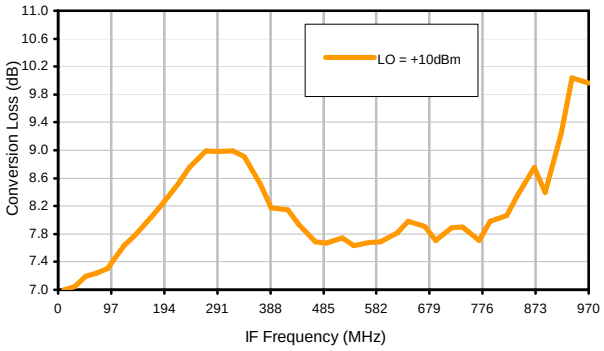
Conversion Loss vs. LO @ RF=1525MHz



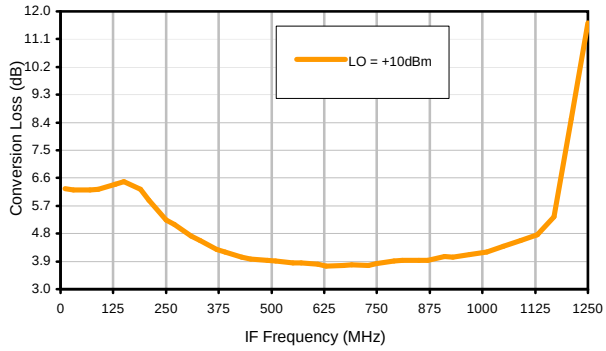
Conversion Loss vs. IF @ RF=1525MHz



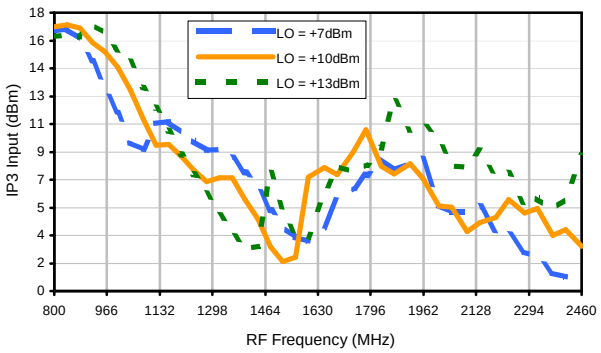
Conversion Loss vs. IF @ RF=1250.1MHz



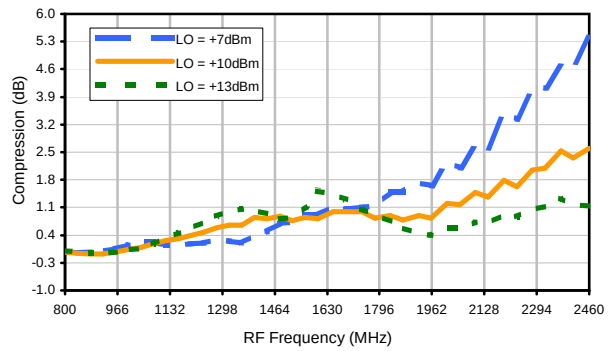
Conversion Loss vs. IF @ RF=1800.1MHz



IP3 Input

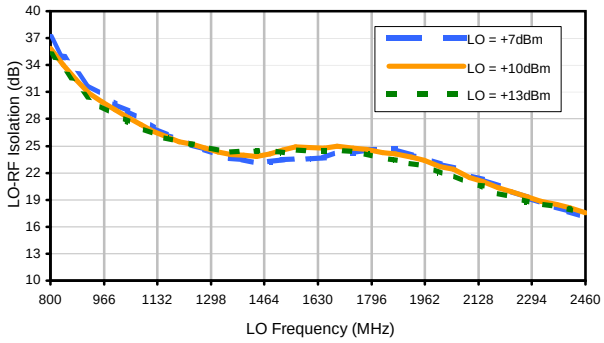


Compression @ RF IN=0dBm

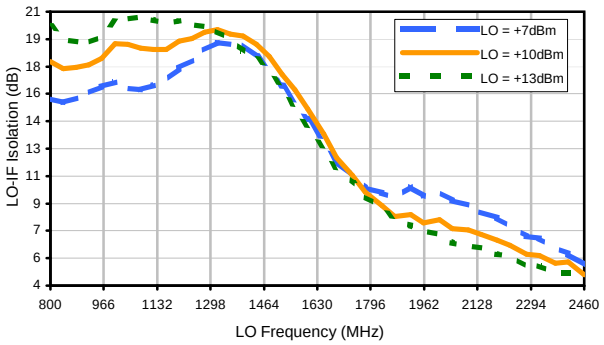


Typical Performance Curves

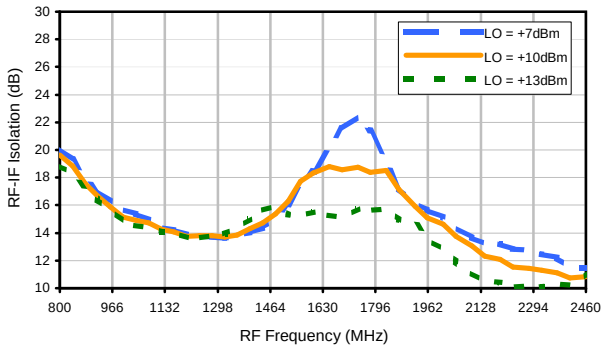
LO-RF Isolation



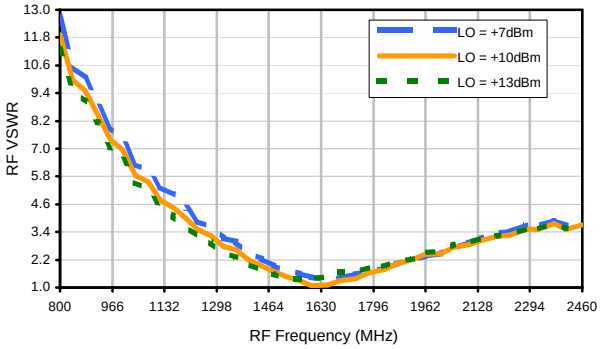
LO-IF Isolation



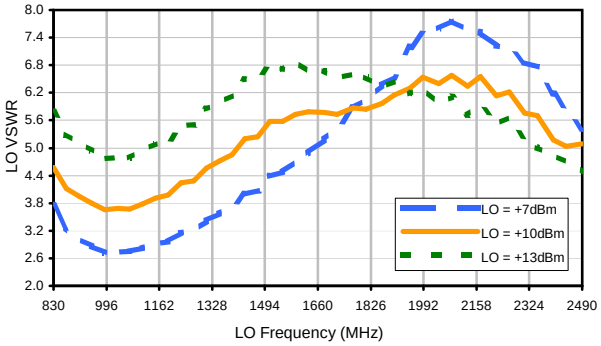
RF-IF Isolation



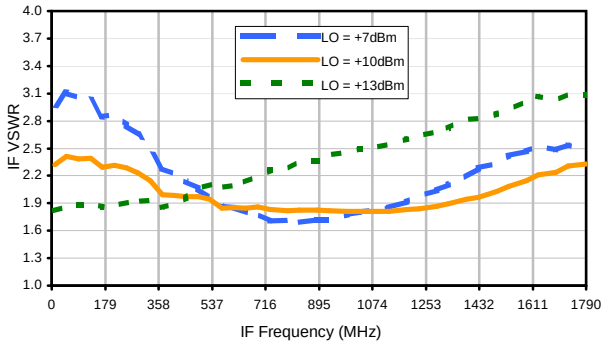
RF VSWR



LO VSWR



IF VSWR



Harmonics Tables

RF HARMONICS ORDER	(-dBm)	(-dBc)										
0	-	-	+14	5	1	55	15	33	15	38	34	39
1	-	11	+0	22	22	39	49	48	39	56	49	61
2	86	53	26	35	27	46	46	65	49	53	39	61
3	>90	61	57	47	44	49	59	65	68	>69	61	66
4	>90	>69	>69	>69	57	62	59	>69	>69	>69	>69	>69
5	>90	>69	>69	>69	>69	>69	>69	>69	>69	>69	>69	>69
6	>90	>69	>69	>69	>69	>69	>69	>69	>69	>69	>69	>69
7	>90	>69	>69	>69	>69	>69	>69	>69	>69	>69	>69	>69
8	>90	>69	>69	>69	>69	>69	>69	>69	>69	>69	>69	>69
9	>90	>69	>69	>69	>69	>69	>69	>69	>69	>69	>69	>69
10	>90	>69	>69	>69	>69	>69	>69	>69	>69	>69	>69	>69
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

Test conditions: RF IN: 1525 MHz; -15.00 dBm.
LO IN: 1535 MHz; +10.00 dBm
IF OUT: 10 MHz; -21.46 dBm

RF HARMONICS ORDER	(-dBm)	(-dBc)										
0	-	-	+6	16	11	55	26	50	31	50	46	54
1	-	10	+0	20	25	40	52	52	38	53	49	63
2	65	50	17	25	18	45	43	64	45	60	40	70
3	>90	50	42	37	33	41	41	58	59	61	55	61
4	>90	75	55	65	36	41	39	52	62	74	64	60
5	>90	75	>78	64	56	49	44	52	55	65	74	68
6	>90	67	71	>78	68	66	52	50	61	68	70	>78
7	>90	70	71	>78	>78	71	69	56	55	56	>78	72
8	>90	>78	74	>78	>78	>78	>78	72	63	57	68	76
9	>90	>78	>78	>78	>78	>78	>78	>78	>78	62	67	62
10	>90	>78	>78	>78	>78	>78	>78	>78	>78	>78	74	63
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions: RF IN: 1525 MHz; -5.00 dBm.
LO IN: 1535 MHz; +10.00 dBm
IF OUT: 10 MHz; -11.75 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.