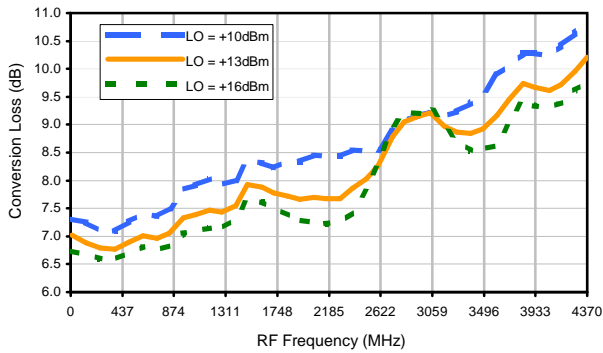


Frequency Mixer

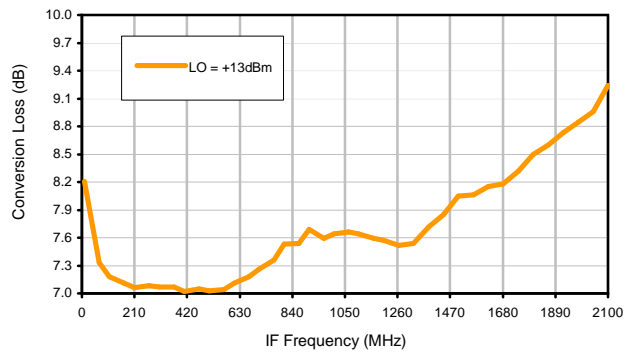
TFM-42MH+

Typical Performance Curves

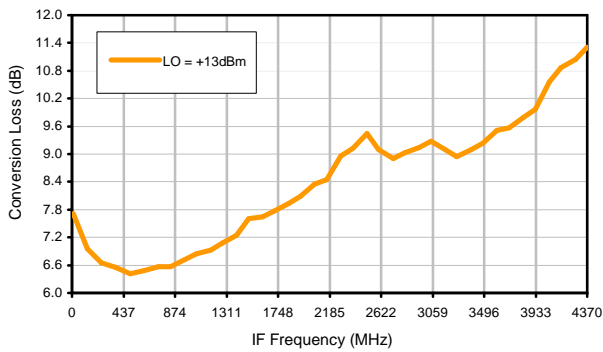
Conversion Loss @ IF=30MHz



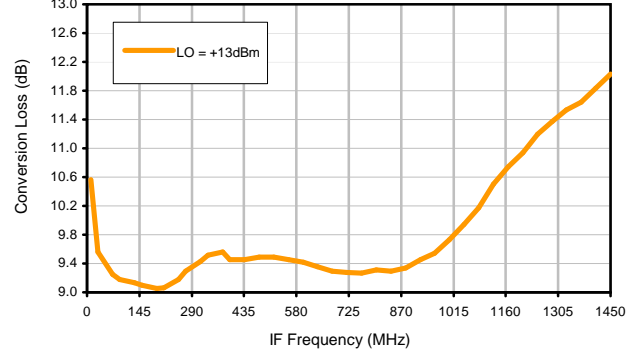
Conversion Loss vs. IF @ RF=2110.1MHz



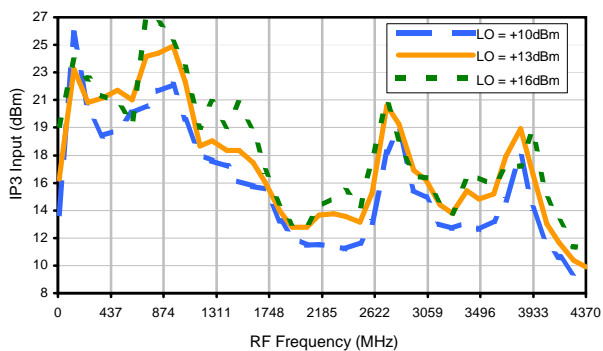
Conversion Loss vs. IF @ RF=10MHz



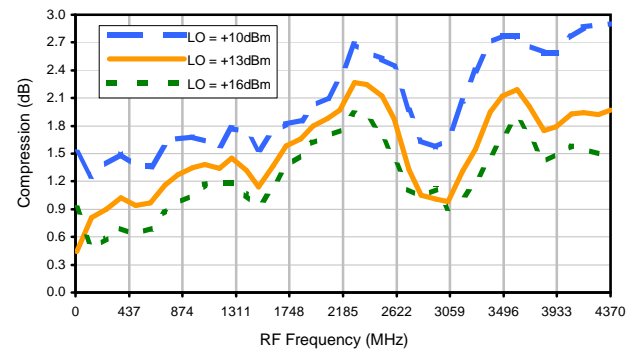
Conversion Loss vs. IF @ RF=4210.1MHz



IP3 Input



Compression @ RF IN=+9dBm

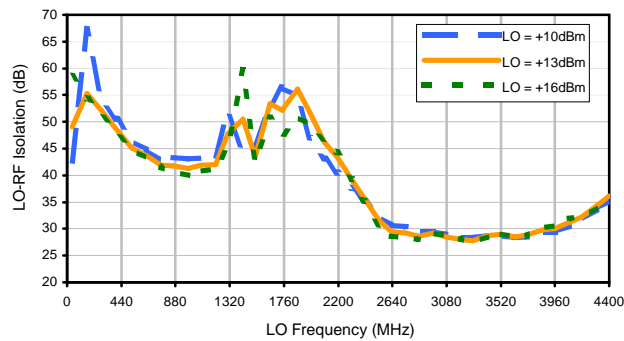


Frequency Mixer

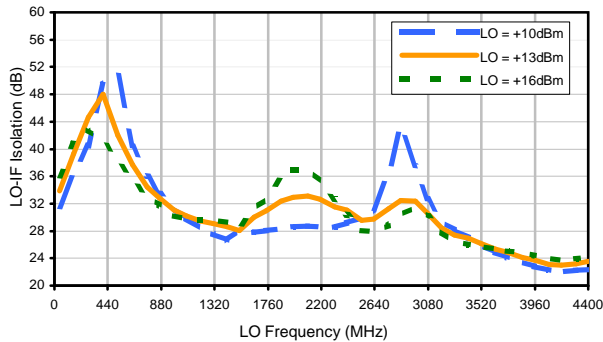
TFM-42MH+

Typical Performance Curves

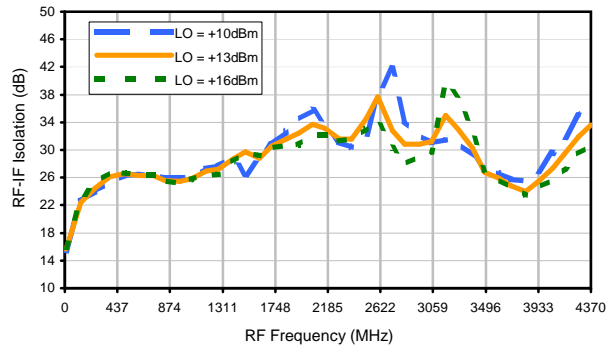
LO-RF Isolation



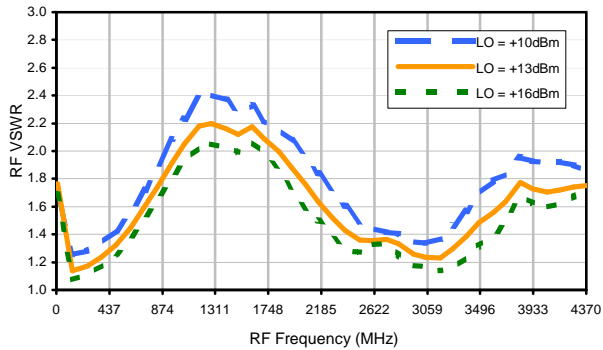
LO-IF Isolation



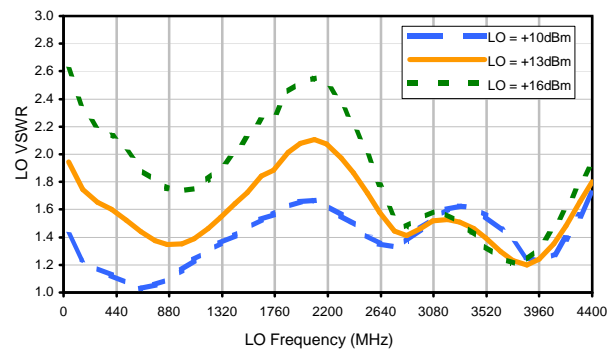
RF-IF Isolation



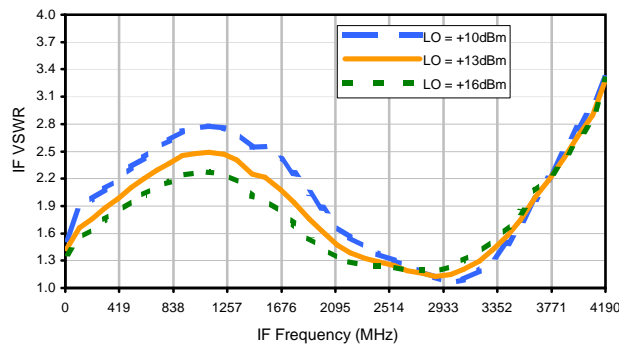
RF VSWR



LO VSWR



IF VSWR



Harmonics Tables

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	6	16	9	23	23	28	26	30	36	43
1	-	26	+0	29	27	34	34	43	40	38	43	51
2	70	39	39	42	42	46	46	52	54	53	45	52
3	>90	59	45	53	45	56	50	53	64	58	59	59
4	>90	>76	67	63	64	63	63	68	62	76	71	67
5	>90	>76	>76	71	70	72	66	69	70	67	75	>76
6	>90	>76	>76	>76	>76	>76	>76	>76	>76	>76	>76	>76
7	>90	>76	>76	>76	>76	>76	>76	>76	>76	>76	>76	>76
8	>90	>76	>76	>76	>76	>76	>76	>76	>76	>76	>76	>76
9	>90	>76	>76	>76	>76	>76	>76	>76	>76	>76	>76	>76
10	>90	>76	>76	>76	>76	>76	>76	>76	>76	>76	>76	>76
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions: RF IN: 2105 MHz; -6.00 dBm.
 LO IN: 2135 MHz; +13.00 dBm
 IF OUT: 30 MHz; -13.55 dBm

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	8	17	11	26	25	31	29	33	38	46
1	-	26	+0	29	26	34	34	44	39	38	46	51
2	67	38	38	41	39	45	42	49	53	52	45	51
3	>90	55	41	49	42	54	47	53	65	57	58	58
4	>90	73	61	60	59	59	60	65	59	74	69	62
5	>90	>78	>78	66	64	67	60	65	64	64	71	73
6	>90	>78	>78	>78	>78	76	71	72	70	77	72	>78
7	>90	>78	>78	>78	>78	>78	>78	>78	75	74	75	75
8	>90	>78	>78	>78	>78	>78	>78	>78	>78	>78	>78	>78
9	>90	>78	>78	>78	>78	>78	>78	>78	>78	>78	>78	>78
10	>90	>78	>78	>78	>78	>78	>78	>78	>78	>78	>78	>78
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions: RF IN: 2105 MHz; -4.00 dBm.
 LO IN: 2135 MHz; +13.00 dBm
 IF OUT: 30 MHz; -11.6 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.

