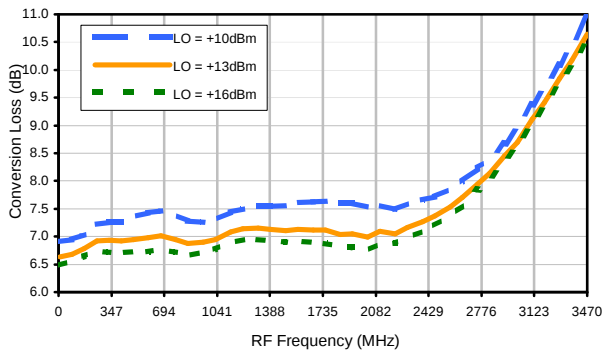


Frequency Mixer

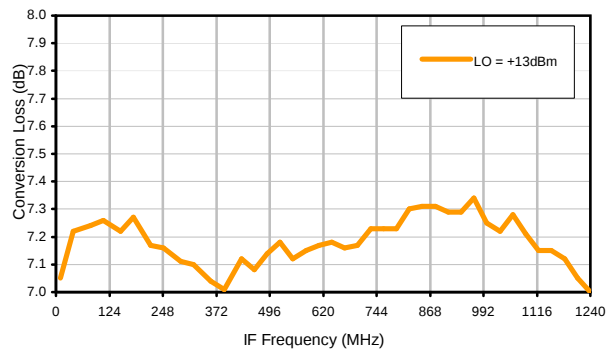
RMS-25MHW+

Typical Performance Curves

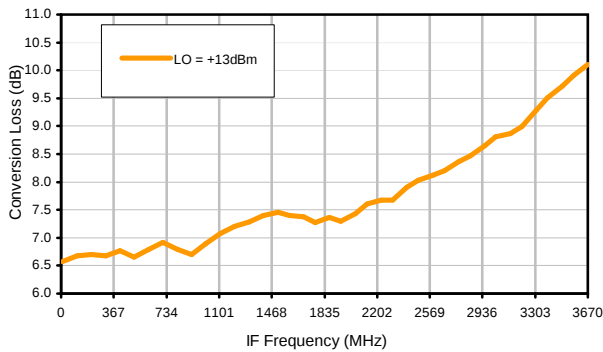
Conversion Loss @ IF=30MHz



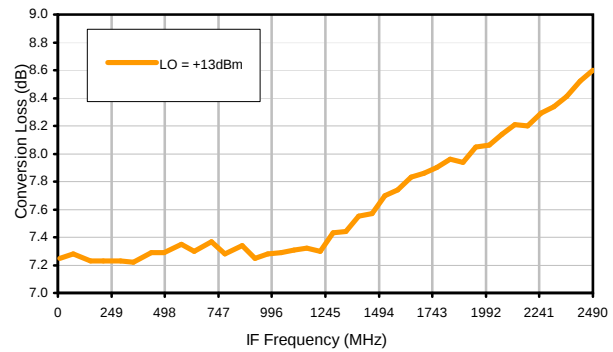
Conversion Loss vs. IF @ RF=1250.1MHz



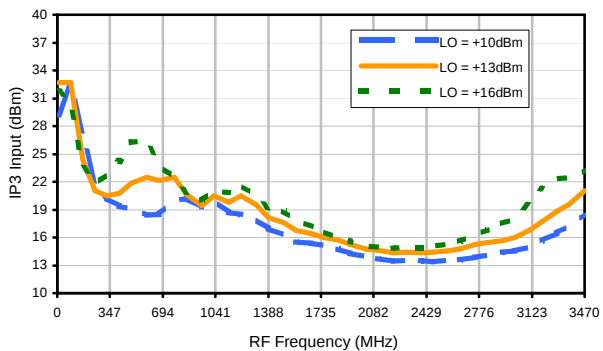
Conversion Loss vs. IF @ RF=10.1MHz



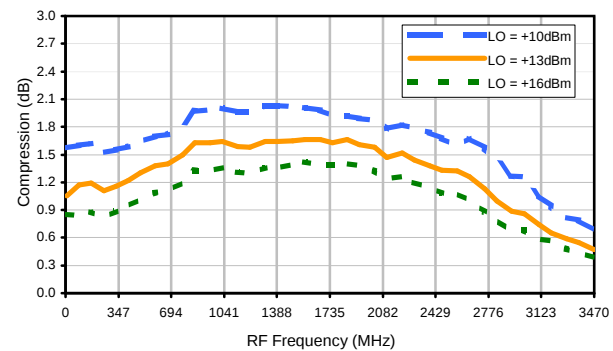
Conversion Loss vs. IF @ RF=2500.1001MHz



IP3 Input

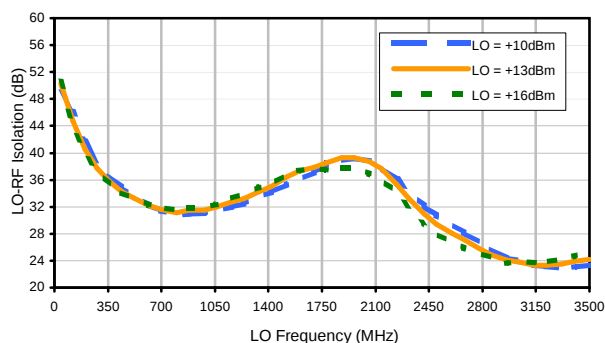


Compression @ RF IN=+9dBm

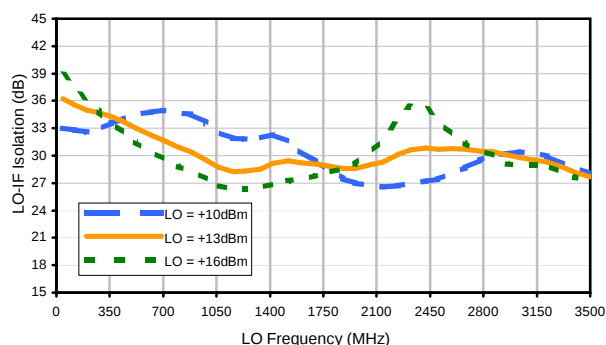


Typical Performance Curves

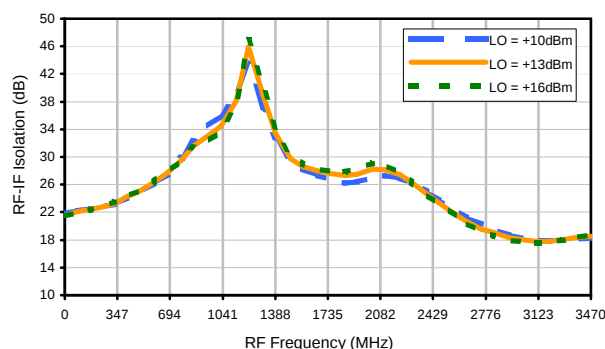
LO-RF Isolation



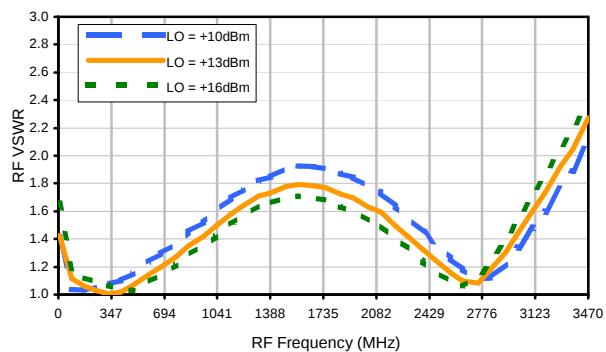
LO-IF Isolation



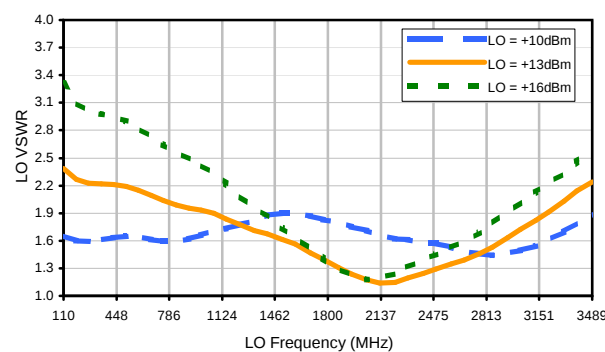
RF-IF Isolation



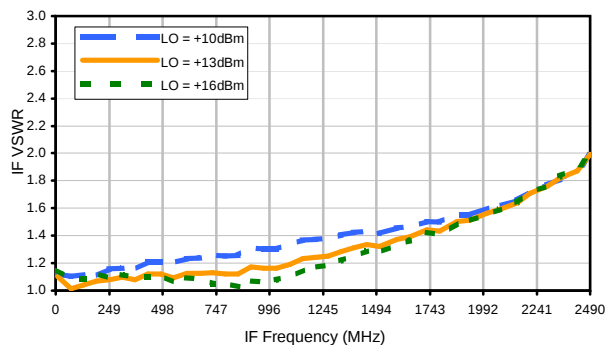
RF VSWR



LO VSWR



IF VSWR



Harmonics Tables

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	2	12	13	25	17	35	27	34	22	44
1	-	40	+0	33	15	37	20	35	25	43	45	35
2	69	62	57	60	53	61	51	59	50	62	52	55
3	>90	72	56	68	58	69	60	65	74	63	64	>77
4	>90	>77	>77	>77	>77	>77	>77	>77	>77	>77	>77	>77
5	>90	>77	>77	>77	>77	>77	>77	>77	>77	>77	>77	>77
6	>90	>77	>77	>77	>77	>77	>77	>77	>77	>77	>77	>77
7	>90	>77	>77	>77	>77	>77	>77	>77	>77	>77	>77	>77
8	>90	>77	>77	>77	>77	>77	>77	>77	>77	>77	>77	>77
9	>90	>77	>77	>77	>77	>77	>77	>77	>77	>77	>77	>77
10	>90	>77	>77	>77	>77	>77	>77	>77	>77	>77	>77	>77
RF CAL	0	1	2	3	4	5	6	7	8	9	10	

Test conditions:

RF IN: 1250.1 MHz; -6.00 dBm.

LO IN: 1280.1 MHz; +13.00 dBm

IF OUT: 30 MHz; -13.41 dBm

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	12	23	25	36	30	53	40	58	41	53
1	-	33	+0	32	14	38	22	39	27	50	47	47
2	49	40	48	45	42	54	40	53	42	57	53	53
3	87	44	37	44	42	51	61	54	47	49	49	60
4	>90	51	50	54	57	59	57	59	57	69	59	75
5	>90	55	59	73	51	64	50	58	57	57	62	55
6	>90	70	68	74	71	74	79	69	77	74	70	72
7	>90	78	75	80	70	68	76	68	76	73	75	79
8	>90	>87	>87	>87	86	>87	78	>87	77	>87	78	85
9	>90	>87	>87	>87	82	86	81	77	84	77	84	74
10	>90	>87	>87	>87	>87	>87	>87	85	>87	83	>87	82
RF CAL	0	1	2	3	4	5	6	7	8	9	10	

LO HARMONICS ORDER

Test conditions:

RF IN: 1250.1 MHz; 4.00 dBm.

LO IN: 1280.1 MHz; +13.00 dBm

IF OUT: 30 MHz; -3.46 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.