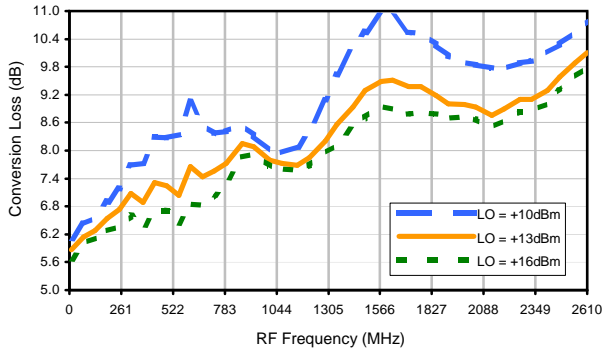


Frequency Mixer

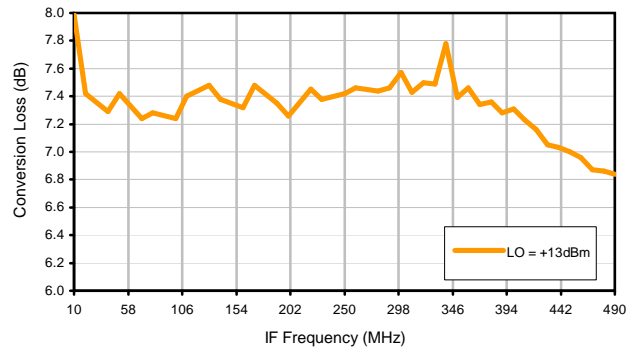
LRMS-2UMHJ

Typical Performance Curves

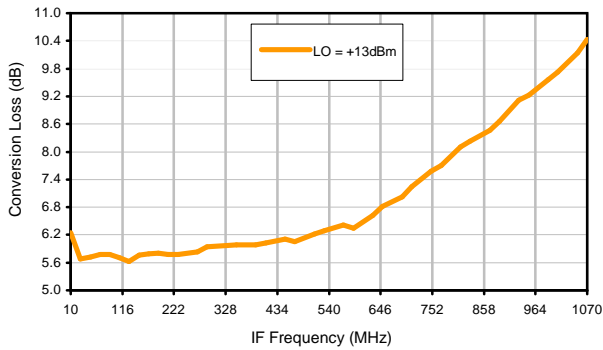
Conversion Loss @ IF=30MHz



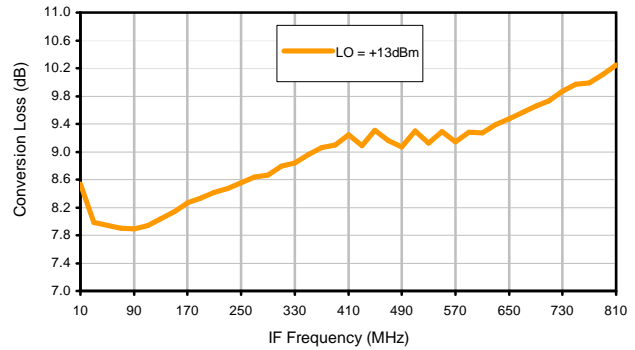
Conversion Loss vs. IF @ RF=510.1MHz



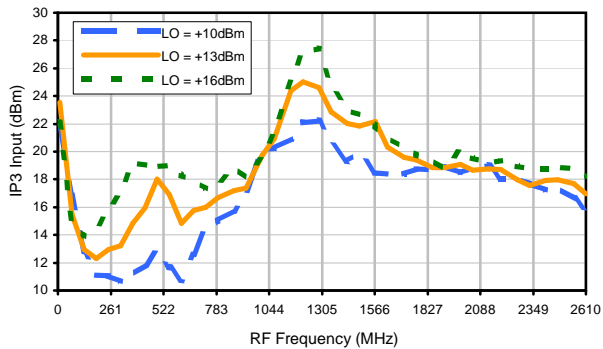
Conversion Loss vs. IF @ RF=10MHz



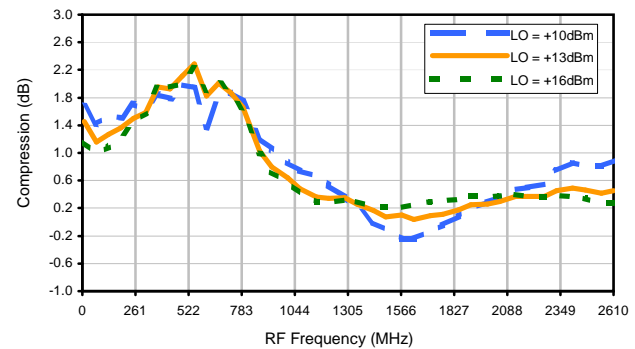
Conversion Loss vs. IF @ RF=1010.1MHz



IP3 Input



Compression @ RF IN=+9dBm

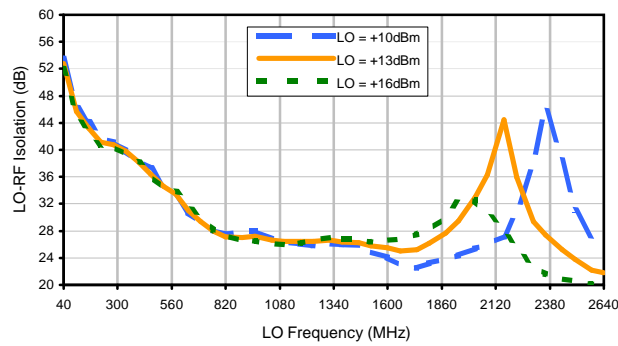


Frequency Mixer

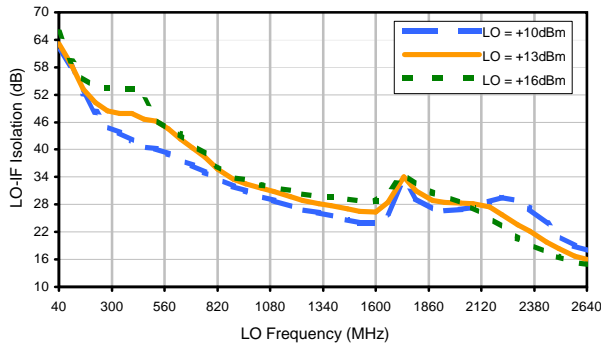
LRMS-2UMHJ

Typical Performance Curves

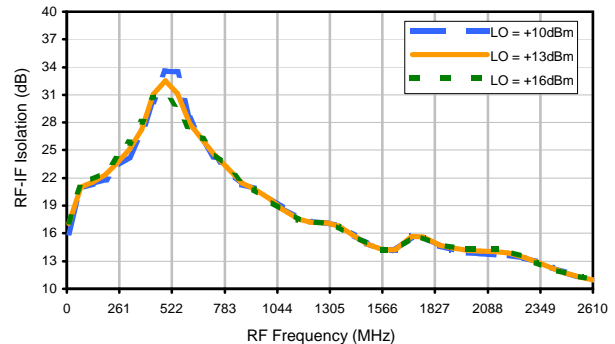
LO-RF Isolation



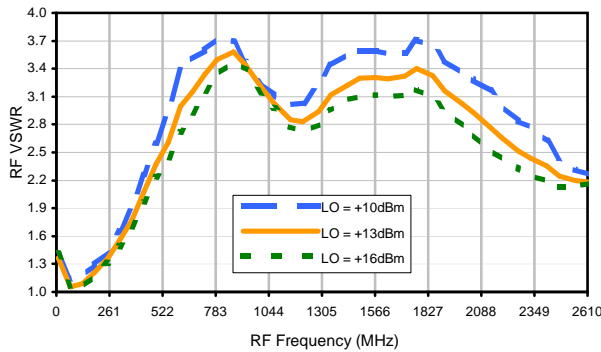
LO-IF Isolation



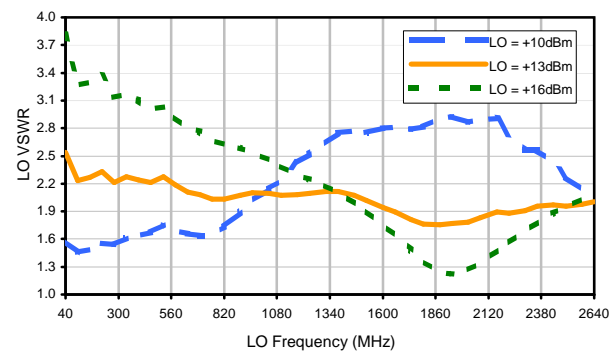
RF-IF Isolation



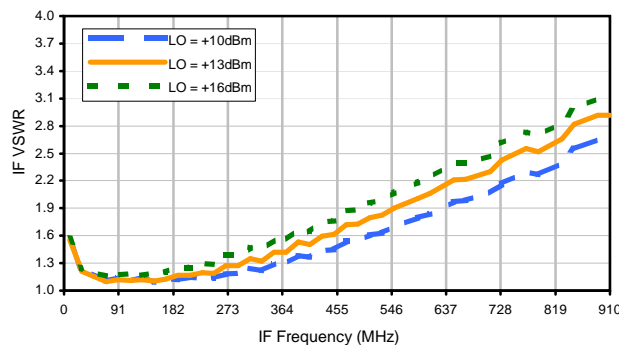
RF VSWR



LO VSWR



IF VSWR



Frequency Mixer

LRMS-2UMHJ

Harmonics Tables

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	19	13	13	28	17	28	29	41	40	52
1	-	25	+0	30	18	39	33	34	31	44	40	56
2	76	48	54	48	54	55	58	54	58	62	60	74
3	>90	68	51	58	47	56	53	76	55	59	60	74
4	>90	>77	>77	>77	74	>77	74	>77	>77	72	76	>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

LO HARMONICS ORDER

Test conditions: RF IN: 505 MHz; -6.00 dBm.
 LO IN: 535 MHz; +13.00 dBm
 IF OUT: 30 MHz; -13.38 dBm

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	29	25	25	42	31	42	47	75	51	67
1	-	23	+0	31	19	50	45	43	45	58	53	68
2	56	36	51	44	65	49	51	50	55	53	58	68
3	85	43	33	43	39	46	46	60	39	49	49	68
4	>90	66	58	50	61	46	58	56	>87	61	57	74
5	>90	57	55	64	46	47	44	49	53	70	61	60
6	>90	60	64	71	66	56	61	60	60	76	80	61
7	>90	74	53	57	69	62	56	56	56	62	73	72
8	>90	81	81	64	65	76	78	68	63	65	67	68
9	>90	>87	>87	82	68	63	80	73	68	64	67	66
10	>90	83	>87	79	85	70	69	86	74	74	69	70
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions: RF IN: 505 MHz; 4.00 dBm.
 LO IN: 535 MHz; +13.00 dBm
 IF OUT: 30 MHz; -3.19 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.