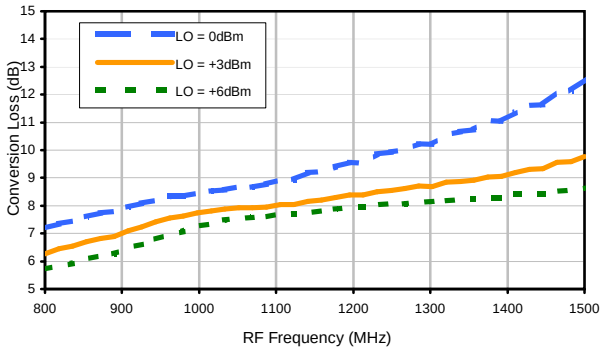
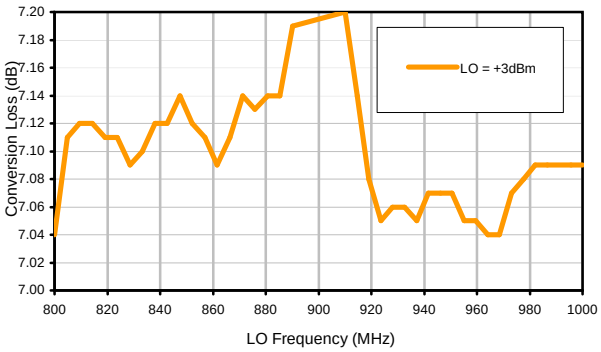
Frequency Mixer JMS-2L

Typical Performance Curves

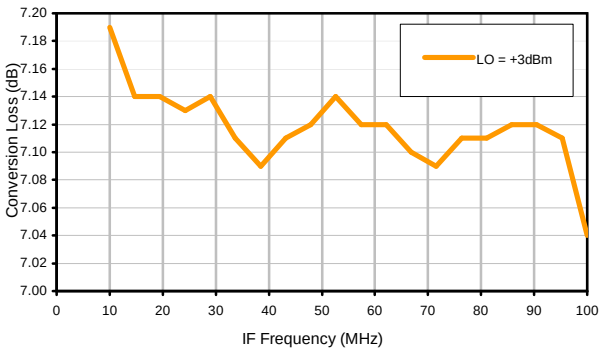
Conversion Loss @ IF=30MHz



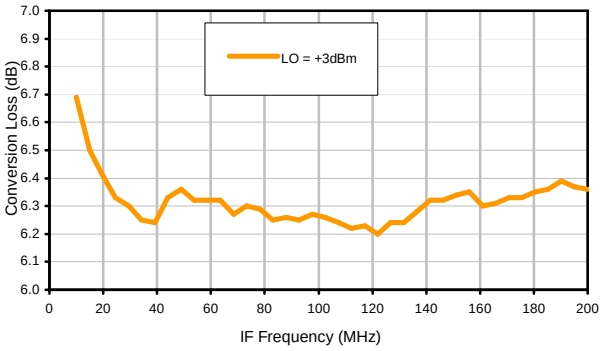
Conversion Loss vs. LO @ RF=900.1MHz



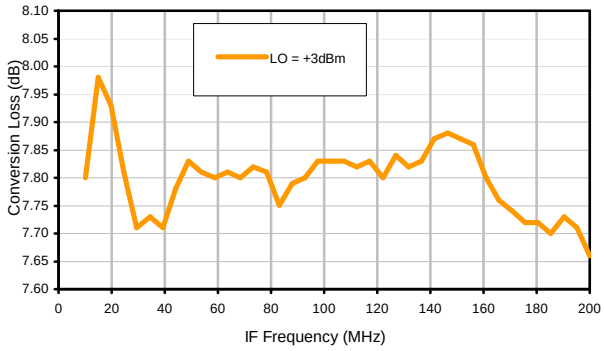
Conversion Loss vs. IF @ RF=900.1MHz



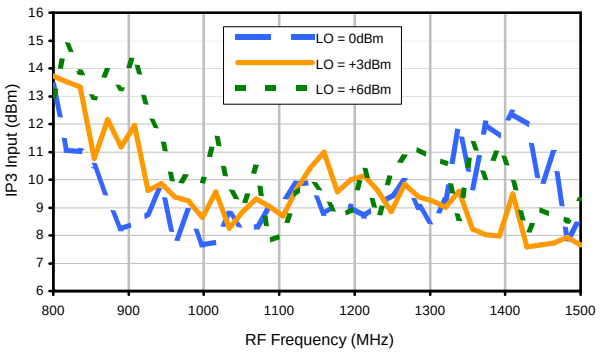
Conversion Loss vs. IF @ RF=800.1MHz



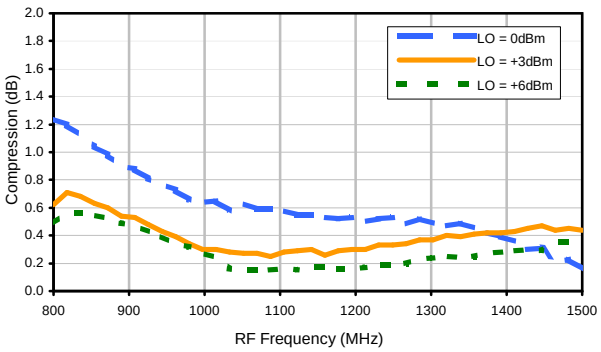
Conversion Loss vs. IF @ RF=1000.1MHz



IP3 Input

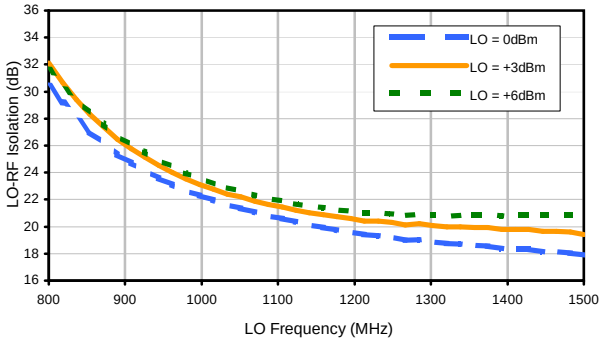


Compression @ RF IN=-3dBm

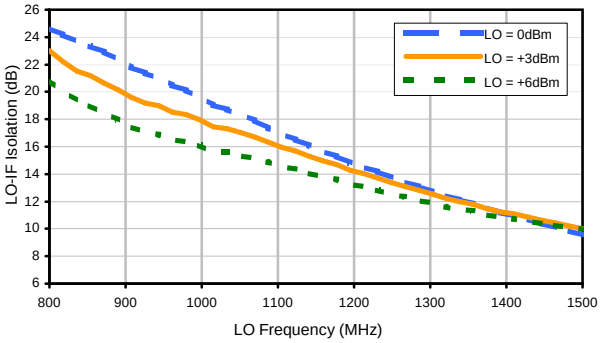


Typical Performance Curves

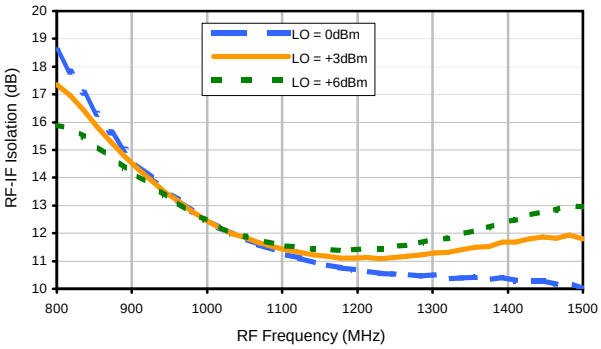
LO-RF Isolation



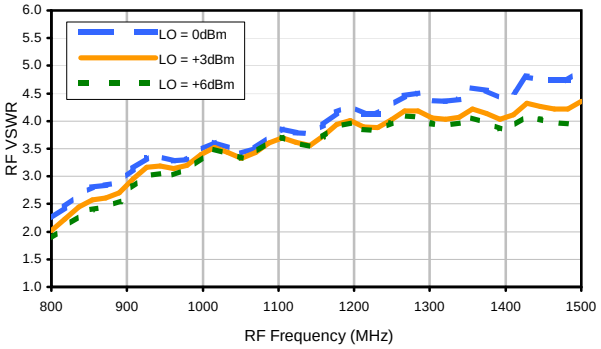
LO-IF Isolation



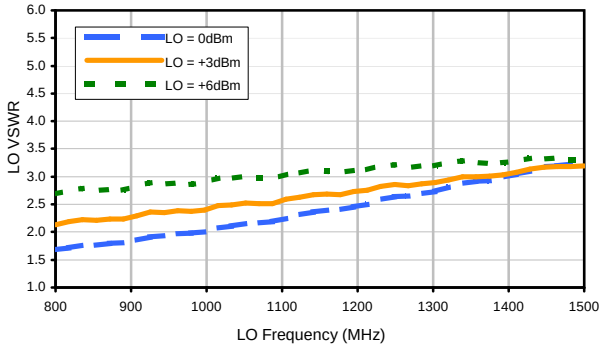
RF-IF Isolation



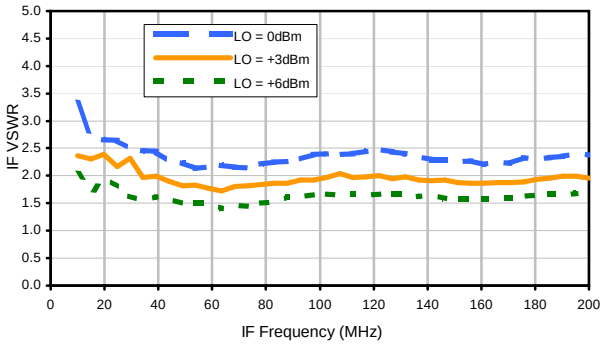
RF VSWR



LO VSWR



IF VSWR



Frequency Mixer JMS-2L

Harmonics Tables

RF HARMONICS ORDER	(-dBm)	(-dBc)										
0	-	-	+9	4	6	27	30	47	45	55	60	68
1	-	7	+0	21	24	31	48	45	58	56	65	69
2	115	42	39	41	37	49	52	56	74	71	73	71
3	122	67	62	57	84	61	73	67	87	76	87	85
4	114	98	89	95	85	75	99	90	101	101	99	92
5	118	94	109	99	98	90	75	97	97	94	99	103
6	113	111	95	98	104	100	101	87	90	91	100	104
7	107	95	105	106	99	95	90	87	77	96	90	90
8	110	97	114	106	98	106	103	91	91	84	97	96
9	113	97	96	105	108	100	97	97	94	98	82	92
10	115	100	95	96	112	96	103	96	107	97	109	83
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions:
RF IN: 900.1 MHz; -18.00 dBm.
LO IN: 930.01 MHz; +3.00 dBm
IF OUT: 29.91 MHz; -25.19 dBm

RF HARMONICS ORDER	(-dBm)	(-dBc)										
0	-	-	1	15	18	41	41	70	66	69	78	82
1	-	7	+0	22	25	33	52	53	66	67	77	87
2	100	32	30	34	28	41	43	51	64	69	77	80
3	122	46	42	38	58	44	56	51	67	64	74	76
4	112	70	66	61	57	51	62	59	69	70	77	81
5	123	85	74	76	79	62	79	64	73	68	92	81
6	109	104	95	91	85	83	78	72	84	79	81	100
7	113	104	103	109	103	103	85	80	80	84	90	86
8	100	99	109	105	114	103	106	92	88	90	92	99
9	117	111	100	109	108	107	111	103	100	102	92	93
10	111	104	107	106	102	110	110	109	117	112	96	98
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions:
RF IN: 900.1 MHz; -8.00 dBm.
LO IN: 930.01 MHz; +3.00 dBm
IF OUT: 29.91 MHz; -15.23 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.