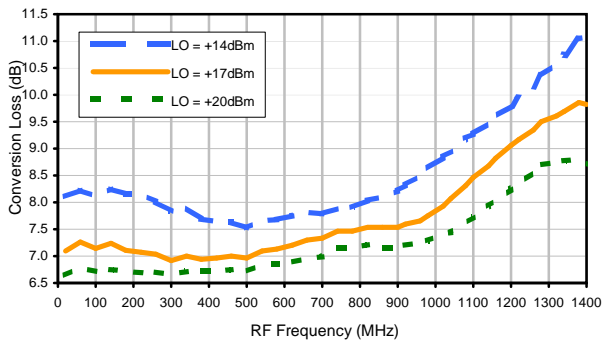


# Frequency Mixer

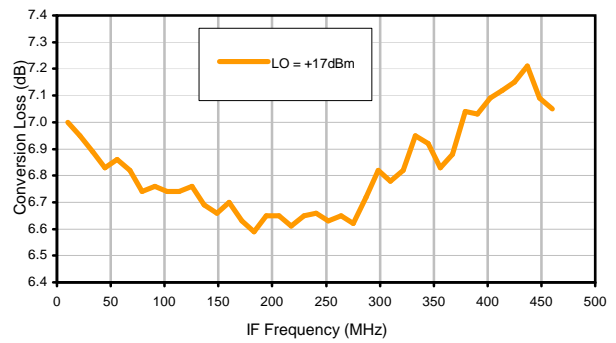
# JMS-2H+

## Typical Performance Curves

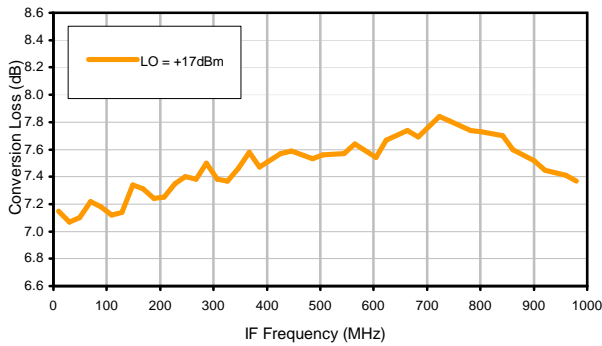
Conversion Loss @ IF=30MHz



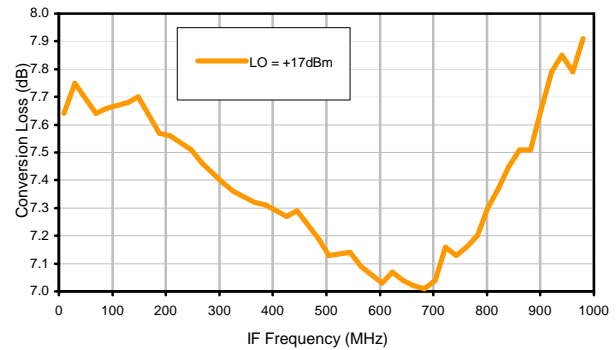
Conversion Loss vs. IF @ RF=500.1MHz



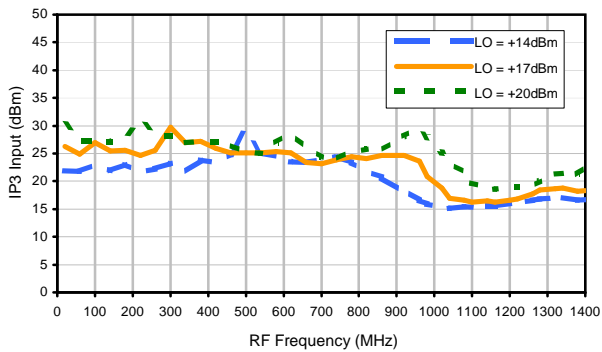
Conversion Loss vs. IF @ RF=20.1MHz



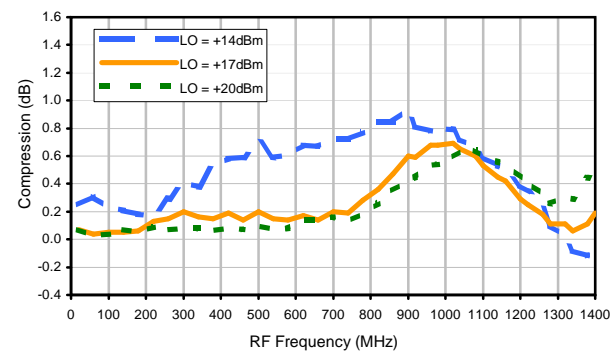
Conversion Loss vs. IF @ RF=1000.1MHz



IP3 Input

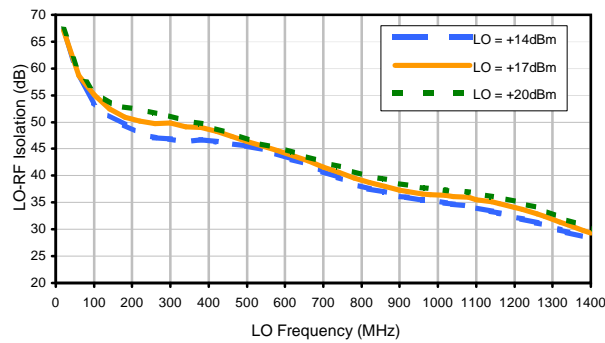


Compression @ RF IN=+14dBm

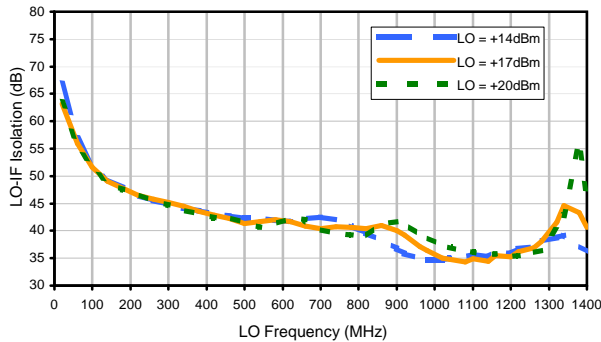


## Typical Performance Curves

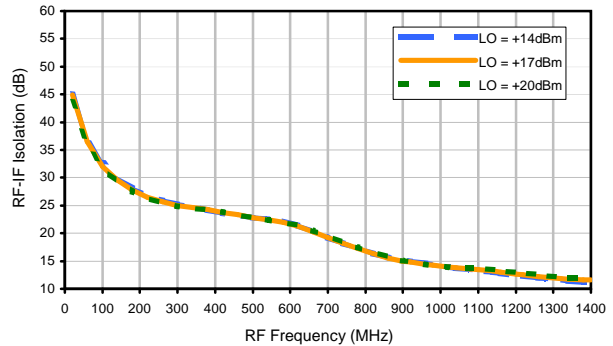
LO-RF Isolation



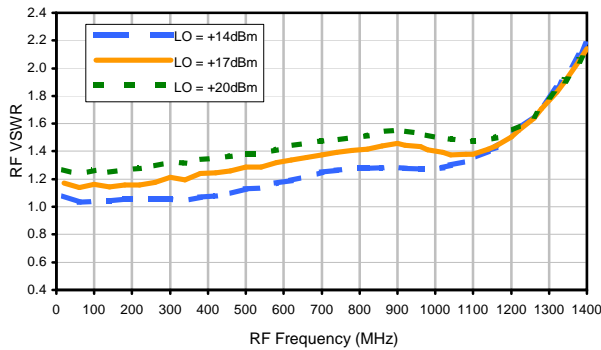
LO-IF Isolation



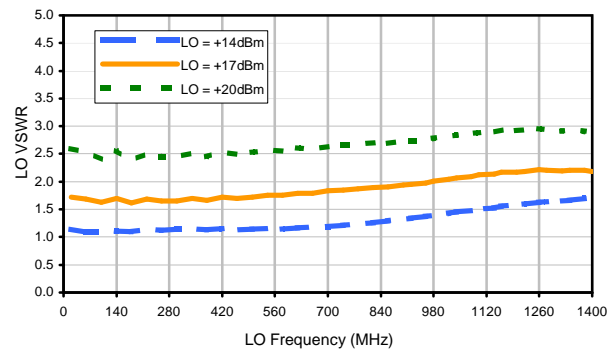
RF-IF Isolation



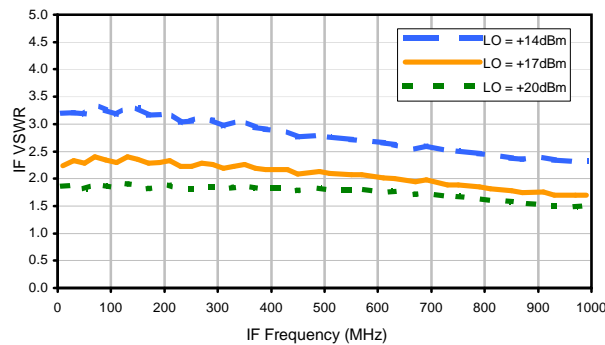
RF VSWR



LO VSWR



IF VSWR



## Harmonics Tables

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	16	20	24	26	27	44	25	51	31	55
1	-	16	+0	31	14	37	25	38	31	44	32	58
2	96	60	61	63	57	73	56	59	53	63	56	85
3	>100	65	60	69	59	69	52	71	51	71	57	76
4	>100	79	>92	82	91	78	82	84	79	78	84	89
5	>100	>92	80	>92	81	>92	78	87	80	86	79	91
6	>100	>92	>92	>92	>92	>92	>92	>92	>92	>92	>92	>92
7	>100	>92	>92	>92	>92	>92	>92	>92	>92	>92	>92	>92
8	>100	>92	>92	>92	>92	>92	>92	>92	>92	>92	>92	>92
9	>100	>92	>92	>92	>92	>92	>92	>92	>92	>92	>92	>92
10	>100	>92	>92	>92	>92	>92	>92	>92	>92	>92	>92	>92
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

### LO HARMONICS ORDER

Test conditions: RF IN: 500.1 MHz; -1.00 dBm.  
 LO IN: 530.01 MHz; +17.00 dBm  
 IF OUT: 29.91 MHz; -8.27 dBm

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	26	30	35	36	41	58	46	63	42	68
1	-	16	+0	31	14	41	23	40	38	51	40	60
2	78	52	55	58	53	54	53	59	52	64	48	73
3	>100	48	40	53	44	49	37	57	43	65	45	61
4	>100	73	67	84	69	70	64	68	62	64	64	69
5	>100	64	59	62	54	63	53	60	49	62	49	65
6	>100	82	80	93	76	86	84	79	71	80	69	73
7	>100	>102	78	82	74	74	69	73	64	68	62	68
8	>100	>102	89	88	92	81	87	82	84	79	79	80
9	>100	98	94	94	82	82	76	77	74	77	76	74
10	>100	>102	98	>102	98	97	90	89	87	89	86	90
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

### LO HARMONICS ORDER

Test conditions: RF IN: 500.1 MHz; 9.00 dBm.  
 LO IN: 530.01 MHz; +17.00 dBm  
 IF OUT: 29.91 MHz; 1.8 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.

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