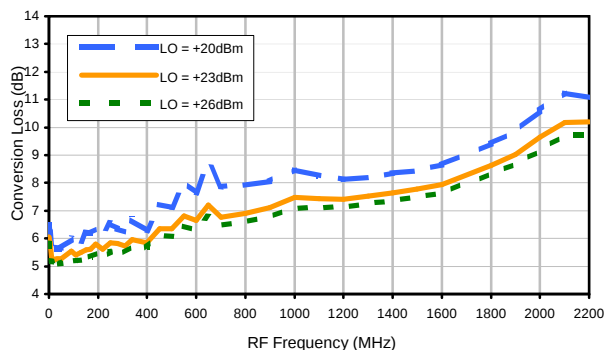


Frequency Mixer

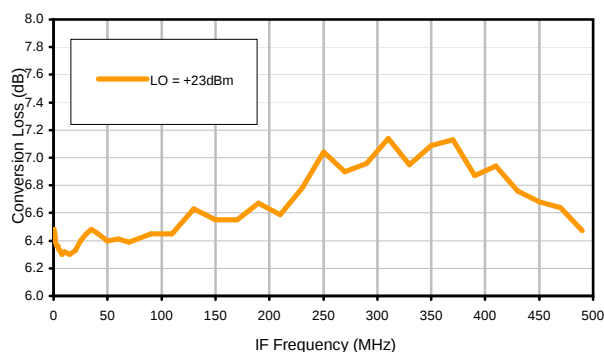
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Typical Performance Curves

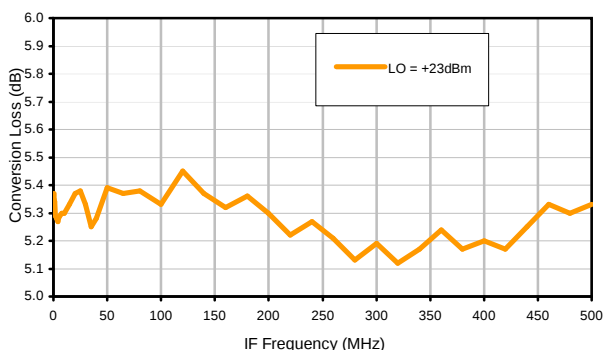
Conversion Loss @ IF=30MHz



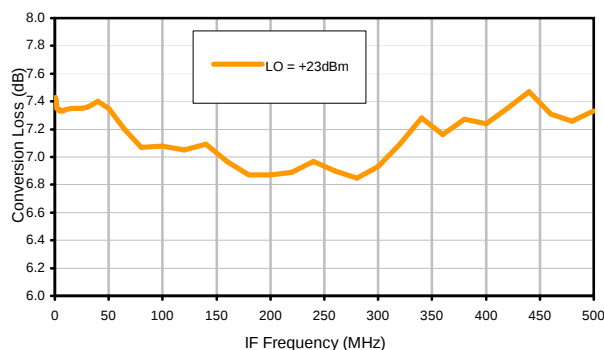
Conversion Loss vs. IF @ RF=500.1MHz



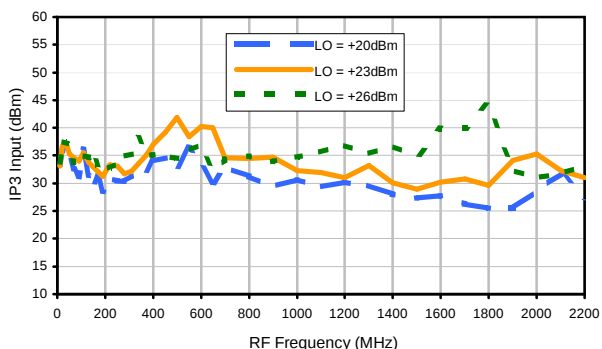
Conversion Loss vs. IF @ RF=10.1MHz



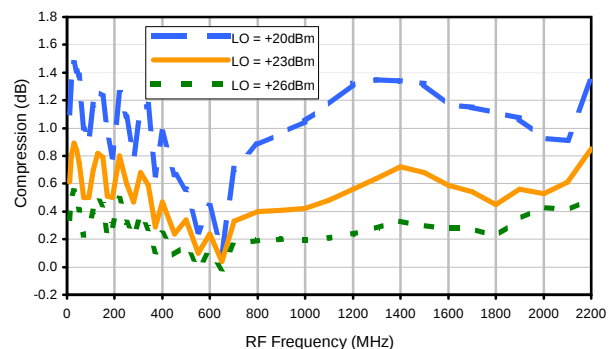
Conversion Loss vs. IF @ RF=1000.1MHz



IP3 Input



Compression @ RF IN=+19.97dBm



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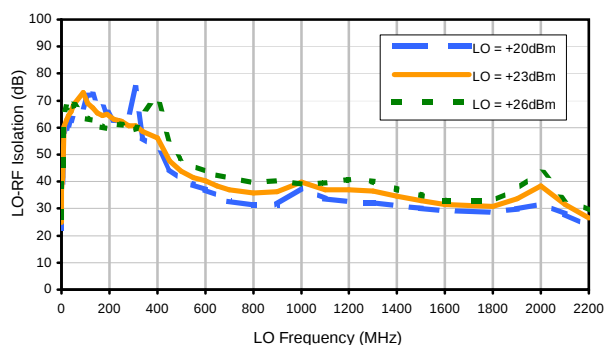


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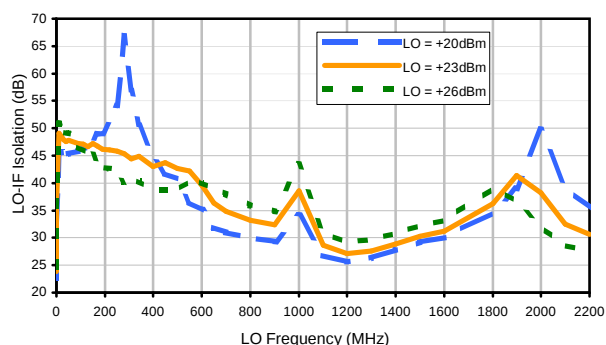


Typical Performance Curves

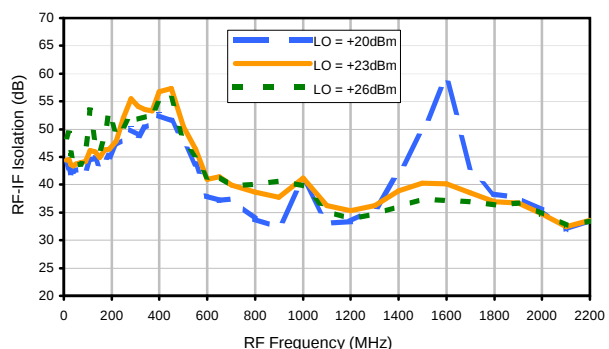
LO-RF Isolation



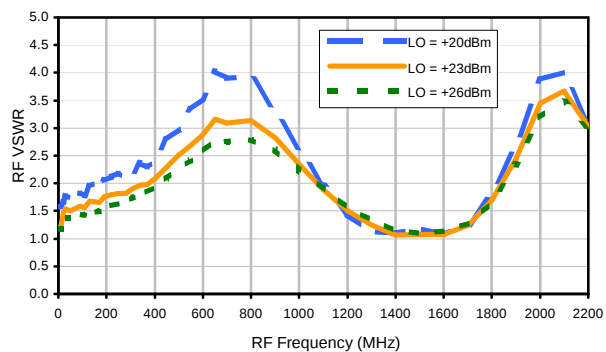
LO-IF Isolation



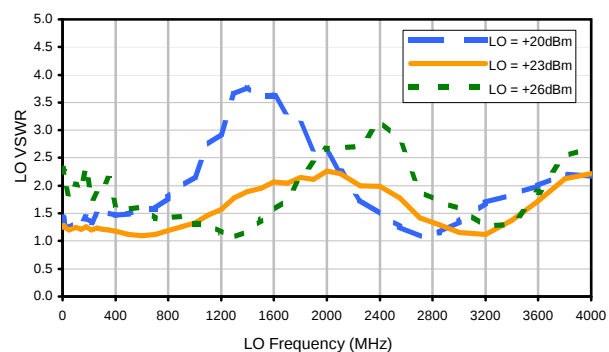
RF-IF Isolation



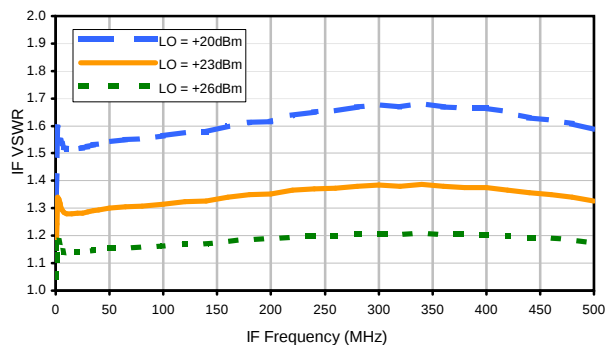
RF VSWR



LO VSWR



IF VSWR



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Harmonics Tables

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	29	36	35	41	38	46	50	59	60	58
1	-	32	+0	42	16	39	29	40	35	51	51	55
2	73	48	48	48	65	52	49	50	42	51	45	53
3	86	52	46	53	81	50	42	46	41	46	48	52
4	112	64	64	66	70	71	67	61	63	61	53	73
5	>119	61	58	64	58	64	55	66	54	67	55	60
6	>119	70	62	67	65	63	70	64	76	66	74	65
7	>119	70	63	65	69	68	74	67	73	64	80	64
8	>120	74	73	73	71	73	72	72	74	70	77	74
9	>119	77	81	74	78	71	84	74	85	78	91	78
10	>121	84	85	82	82	79	89	81	87	80	84	77
RF CAL	0	1	2	3	4	5	6	7	8	9	10	

LO HARMONICS ORDER

Test conditions: RF IN: 500.1 MHz; 15.01.00 dBm.
LO IN: 530.01 MHz; +23.00 dBm
IF OUT: 29.91 MHz; 8.8 dBm

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	19	25	22	27	27	28	31	29	33	34
1	-	33	+0	39	17	33	32	33	31	35	38	41
2	84	60	53	67	59	53	61	53	48	58	50	67
3	101	92	63	66	59	69	51	68	52	63	59	73
4	>123	87	71	79	71	73	74	73	89	75	80	88
5	>123	81	80	85	81	88	80	82	80	80	79	83
6	>123	91	97	92	102	101	89	105	86	95	89	90
7	>121	110	99	100	93	95	93	95	98	97	98	107
8	>121	>117	110	108	110	106	111	108	105	114	103	105
9	>121	>120	>121	>120	111	114	109	110	110	112	115	115
10	>121	>120	>122	>119	>121	>121	>122	>122	>122	>122	>120	>120
RF CAL	0	1	2	3	4	5	6	7	8	9	10	

LO HARMONICS ORDER

Test conditions: RF IN: 500.1 MHz; 4.94.00 dBm.
LO IN: 530.01 MHz; +23.00 dBm
IF OUT: 29.91 MHz; -1.21 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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