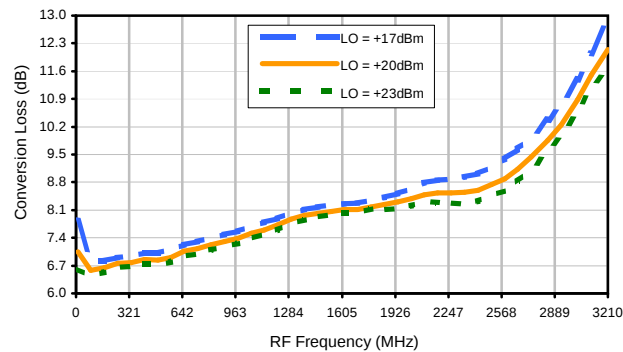
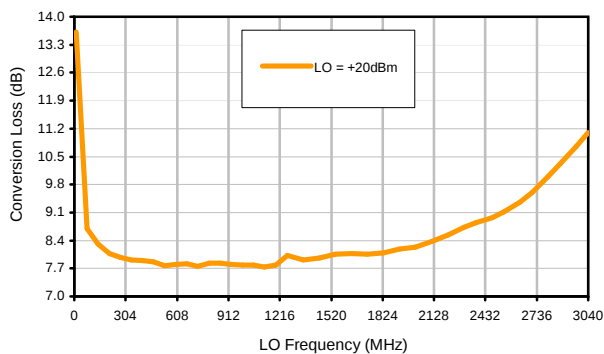


Typical Performance Curves

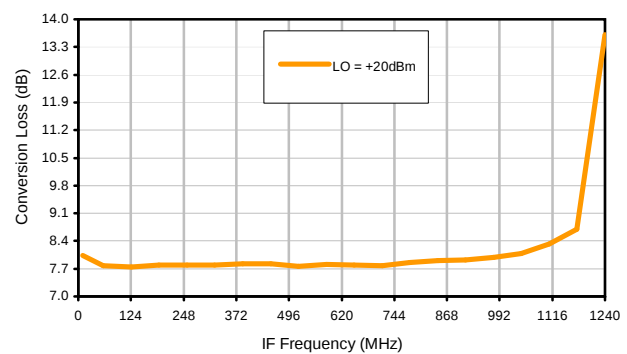
Conversion Loss @ IF=30MHz



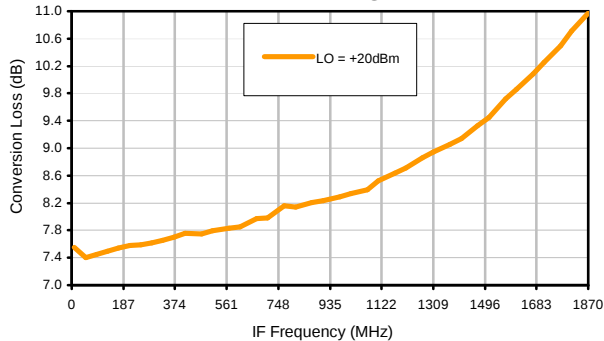
Conversion Loss vs. LO @ RF=1250MHz



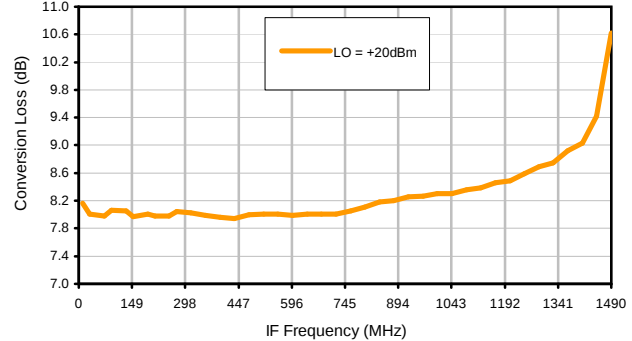
Conversion Loss vs. IF @ RF=1250MHz



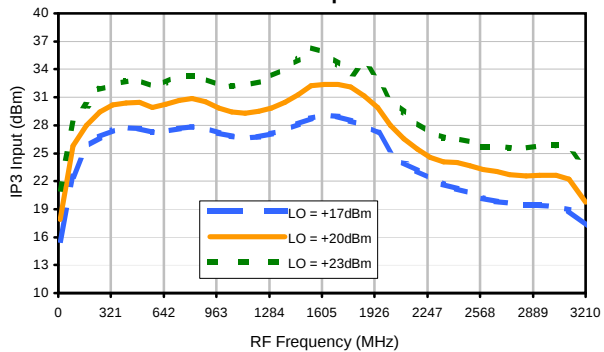
Conversion Loss vs. IF @ RF=989.9MHz



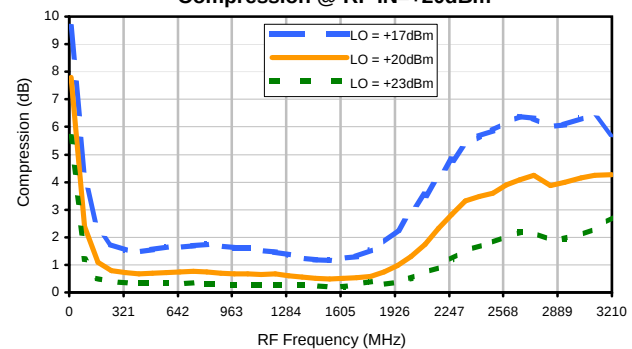
Conversion Loss vs. IF @ RF=1510.1MHz



IP3 Input



Compression @ RF IN=+20dBm



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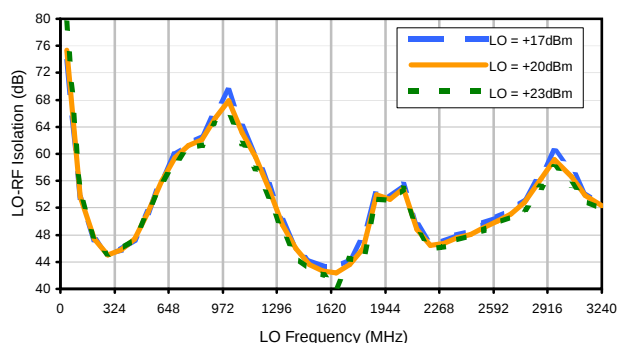


Frequency Mixer

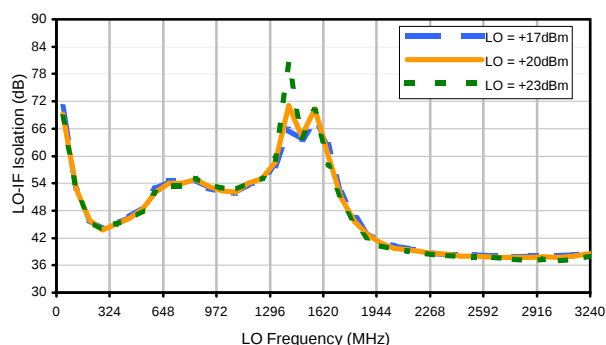
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Typical Performance Curves

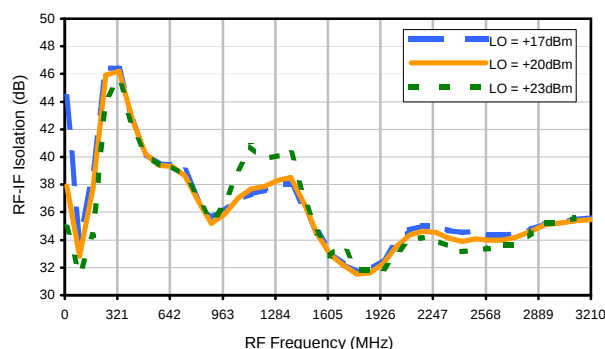
LO-RF Isolation



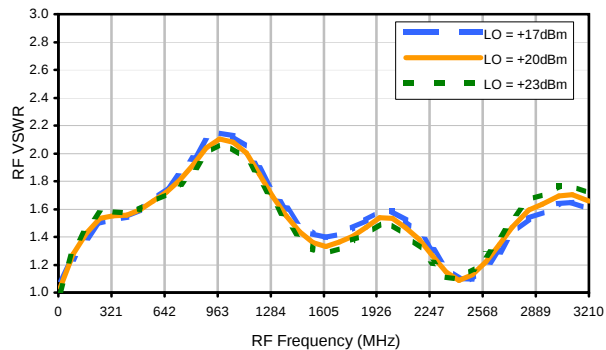
LO-IF Isolation



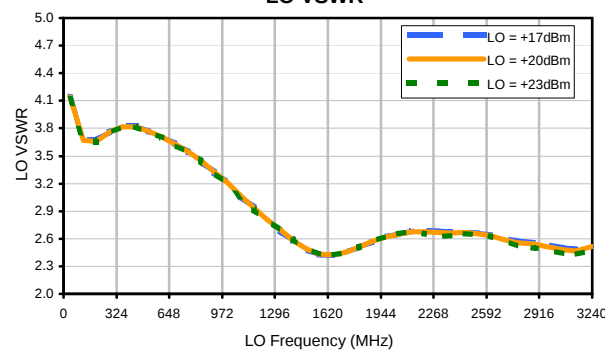
RF-IF Isolation



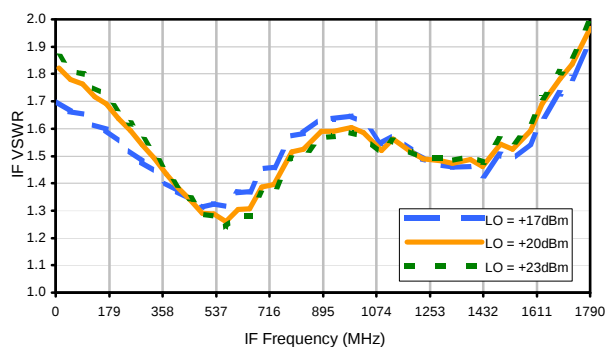
RF VSWR



LO VSWR



IF VSWR



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Harmonics Tables

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	32	26	34	29	63	44	58	51	55	63
1	-	28	+0	41	17	41	38	50	43	56	37	58
2	74	58	62	49	68	52	65	57	72	65	77	59
3	88	79	63	78	57	75	62	81	73	>87	76	87
4	>90	>87	>87	86	>87	84	>87	>87	>87	82	>87	84
5	>90	>87	>87	>87	>87	>87	>87	>87	86	>87	86	>87
6	>90	>87	>87	83	>87	>87	>87	>87	>87	>87	85	>87
7	89	>87	87	>87	83	>87	>87	87	>87	>87	>87	>87
8	>90	84	>87	>87	>87	>87	86	>87	86	>87	>87	>87
9	>90	>87	>87	>87	>87	>87	>87	87	>87	84	>87	>87
10	>90	82	86	>87	>87	>87	>87	>87	>87	>87	>87	>87
RF CAL	0	1	2	3	4	5	6	7	8	9	10	

LO HARMONICS ORDER

Test conditions:

RF IN: 1250 MHz; 5.00 dBm.
LO IN: 1280 MHz; +20.00 dBm
IF OUT: 30 MHz; -2.96 dBm

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	29	41	42	37	59	49	61	53	60	64
1	-	29	+0	42	18	42	44	51	45	59	40	70
2	54	46	50	39	55	43	58	48	61	59	73	55
3	>90	65	43	69	38	65	43	58	55	70	59	83
4	89	77	70	63	71	55	70	58	70	64	72	72
5	>90	87	76	85	67	73	62	71	65	74	72	92
6	>90	>97	90	84	81	76	76	70	77	72	80	79
7	>90	97	90	95	>97	96	83	90	80	87	87	90
8	>90	94	95	>97	>97	93	96	>97	90	88	87	89
9	>90	>97	96	>97	95	>97	>97	90	91	93	94	91
10	>90	>97	95	>97	>97	>97	95	>97	>97	>97	>97	93
RF CAL	0	1	2	3	4	5	6	7	8	9	10	

LO HARMONICS ORDER

Test conditions:

RF IN: 1250 MHz; 15.00 dBm.
LO IN: 1280 MHz; +20.00 dBm
IF OUT: 30 MHz; 6.82 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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