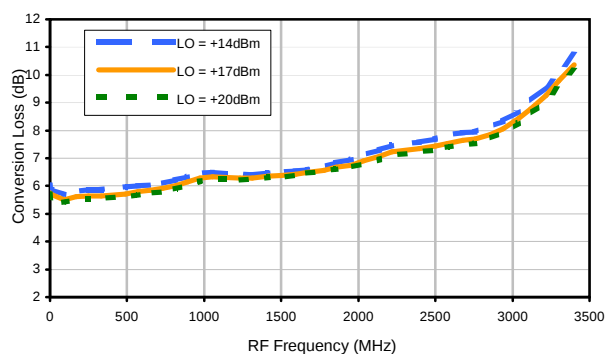


Frequency Mixer

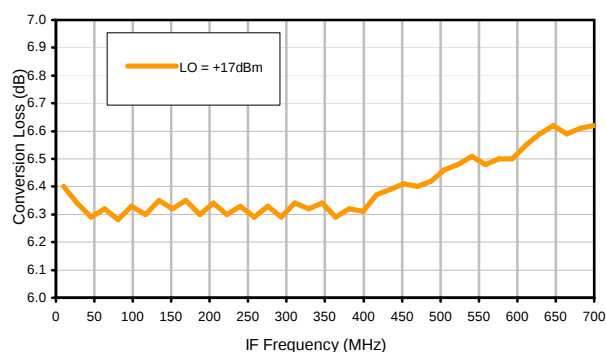
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Typical Performance Curves

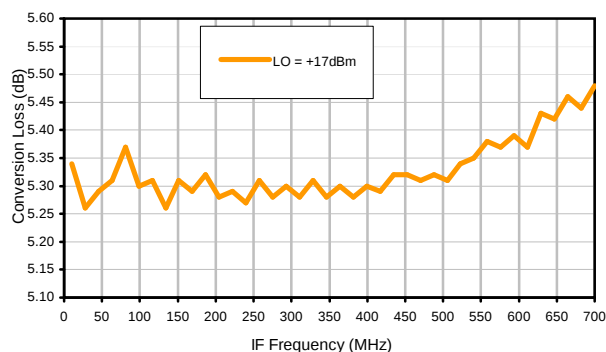
Conversion Loss @ IF=30MHz



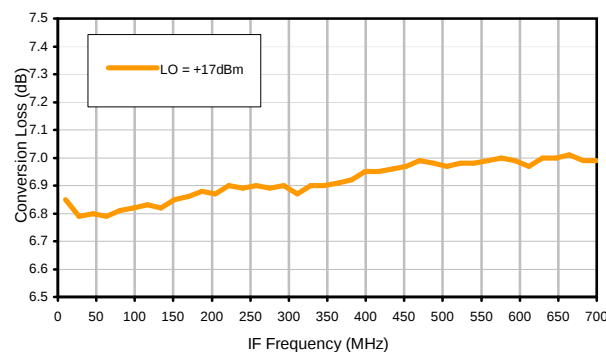
Conversion Loss vs. IF @ RF=1000.1MHz



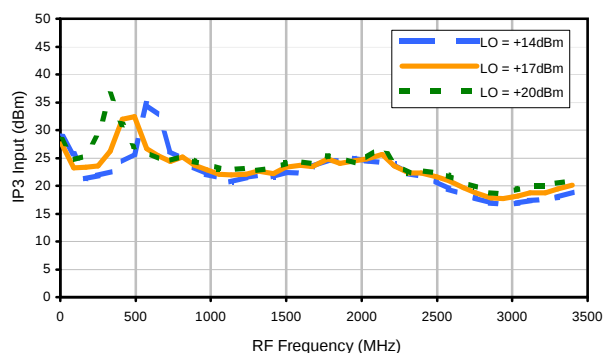
Conversion Loss vs. IF @ RF=10.1MHz



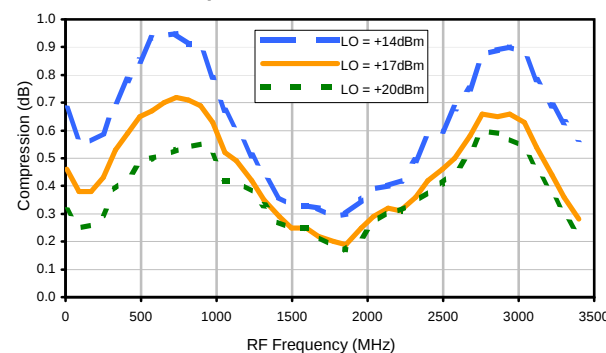
Conversion Loss vs. IF @ RF=2000.1MHz



IP3 Input



Compression @ RF IN=+10dBm



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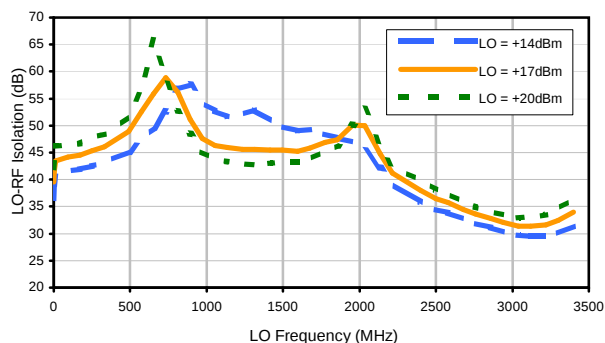


Frequency Mixer

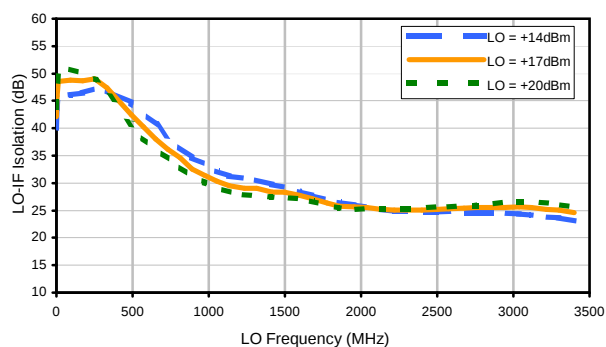
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Typical Performance Curves

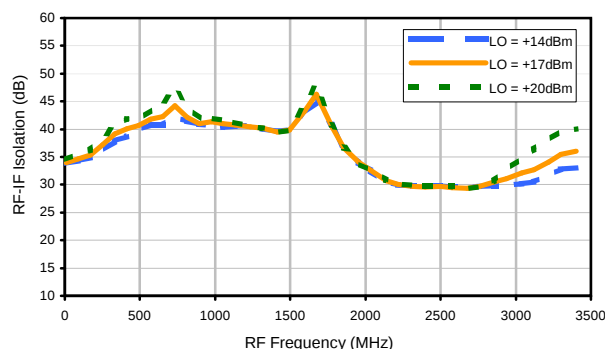
LO-RF Isolation



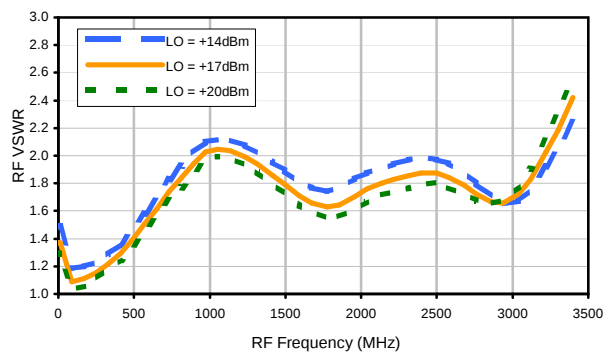
LO-IF Isolation



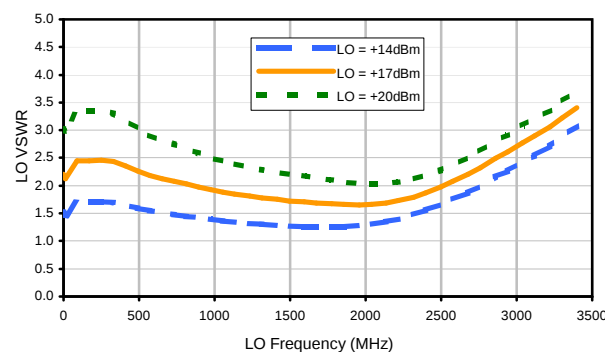
RF-IF Isolation



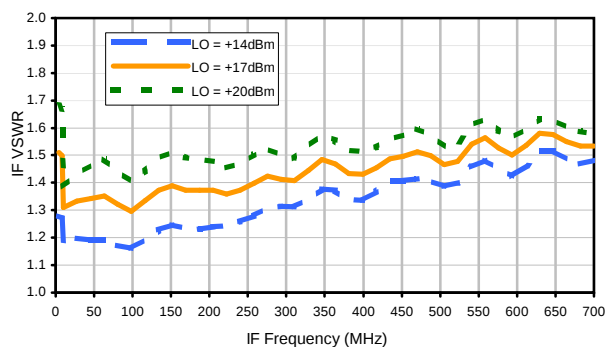
RF VSWR



LO VSWR



IF VSWR



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Harmonics Tables

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	2	19	8	21	10	32	15	35	17	41
1	-	33	+0	38	14	40	21	53	32	60	38	46
2	90	71	61	69	56	68	57	64	52	77	52	74
3	>100	>89	62	>89	63	88	65	84	76	>89	77	>89
4	>100	>89	>89	>89	>89	>89	>89	>89	>89	>89	>89	>89
5	>100	>89	>89	>89	>89	>89	>89	>89	>89	>89	>89	>89
6	>100	>89	>89	>89	>89	>89	>89	>89	>89	>89	>89	>89
7	>100	>89	>89	>89	>89	>89	>89	>89	>89	>89	>89	>89
8	>100	>89	>89	>89	>89	>89	>89	>89	>89	>89	>89	>89
9	>100	>89	>89	>89	>89	>89	>89	>89	>89	>89	>89	>89
10	>100	>89	>89	>89	>89	>89	>89	>89	>89	>89	>89	>89
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions:

RF IN: 1000.1 MHz; -5.00 dBm.
LO IN: 1030.01 MHz; +17.00 dBm
IF OUT: 29.91 MHz; -11.4 dBm

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	12	29	19	31	21	43	27	47	30	56
1	-	34	+0	38	14	41	21	55	32	62	38	49
2	82	59	51	58	46	55	46	56	43	70	44	65
3	>100	65	41	67	43	68	45	68	55	81	57	81
4	>100	88	83	75	70	75	66	74	66	73	62	80
5	>100	86	74	81	65	80	63	83	63	82	66	90
6	>100	>99	80	97	84	91	84	89	84	86	82	84
7	>100	>99	91	>99	95	92	88	91	83	92	80	94
8	>100	>99	98	>99	96	>99	92	>99	93	96	96	98
9	>100	>99	>99	>99	>99	>99	>99	>99	95	>99	98	>99
10	>100	>99	>99	>99	>99	>99	>99	>99	>99	>99	>99	>99
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions:

RF IN: 1000.1 MHz; 5.00 dBm.
LO IN: 1030.01 MHz; +17.00 dBm
IF OUT: 29.91 MHz; -1.43 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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