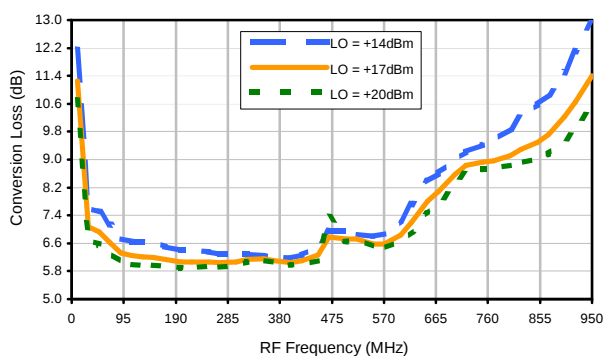


Frequency Mixer

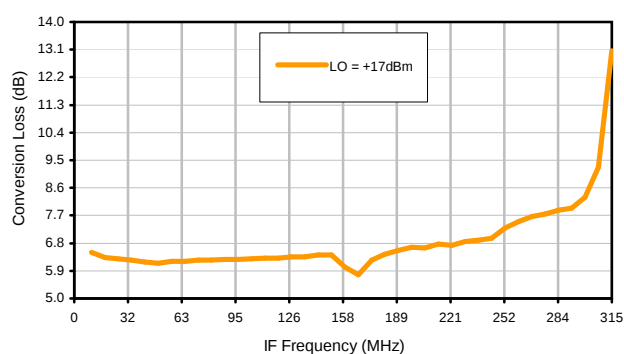
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Typical Performance Curves

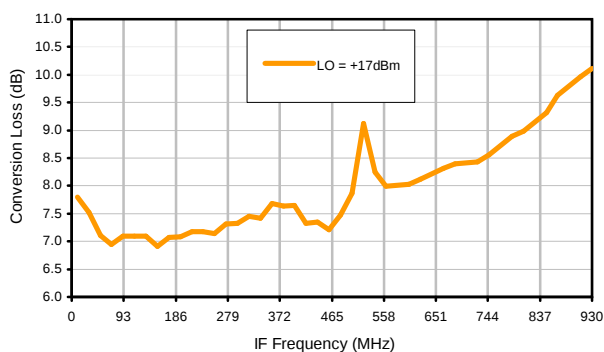
Conversion Loss @ IF=80MHz



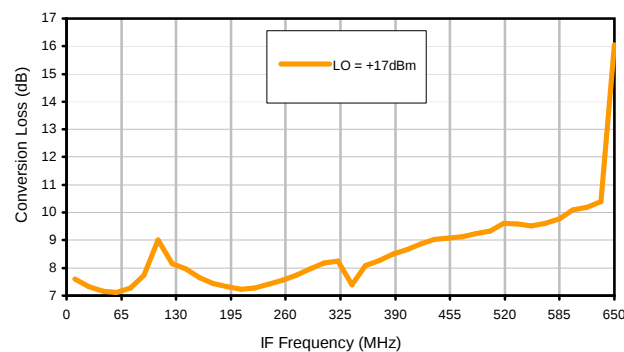
Conversion Loss vs. IF @ RF=325MHz



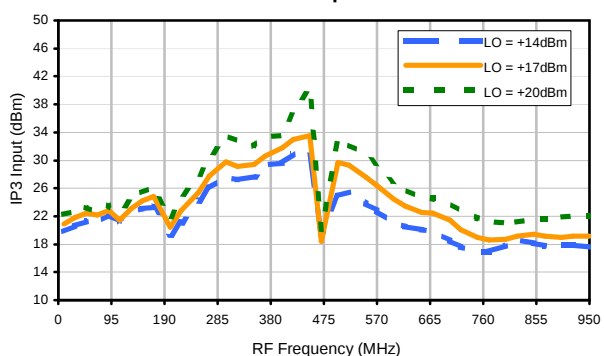
Conversion Loss vs. IF @ RF=34MHz



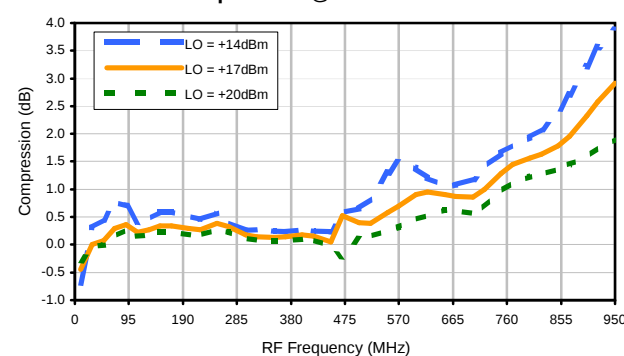
Conversion Loss vs. IF @ RF=660.1MHz



IP3 Input

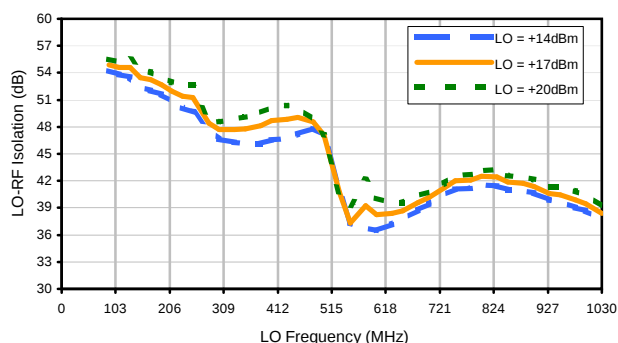


Compression @ RF IN=+17dBm

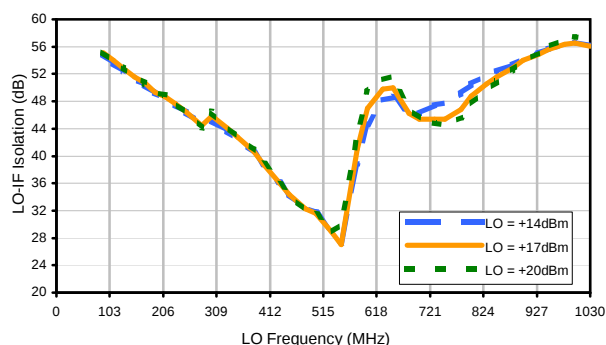


Typical Performance Curves

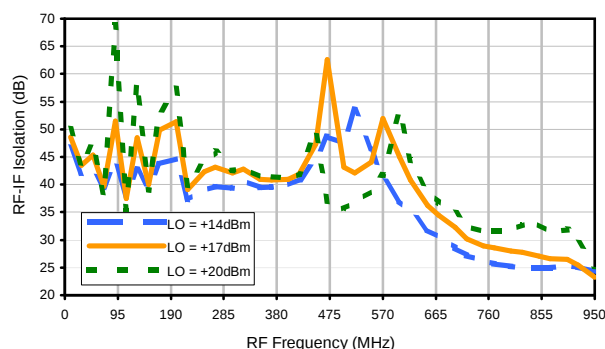
LO-RF Isolation



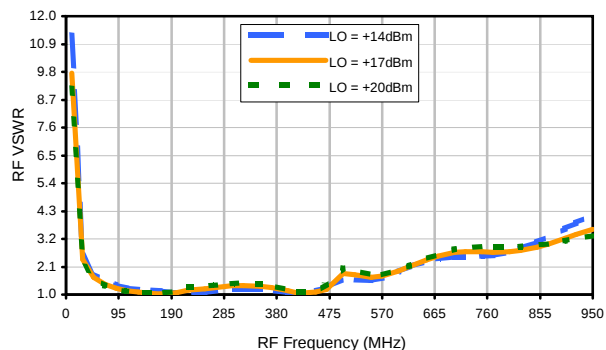
LO-IF Isolation



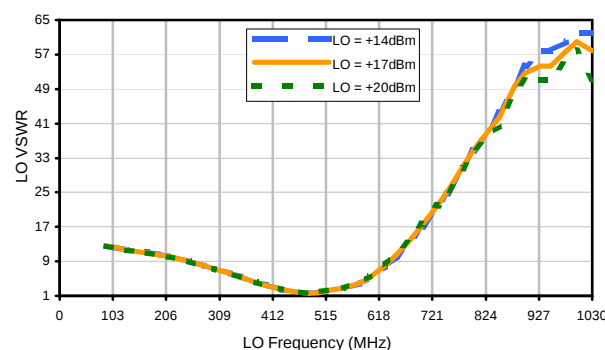
RF-IF Isolation



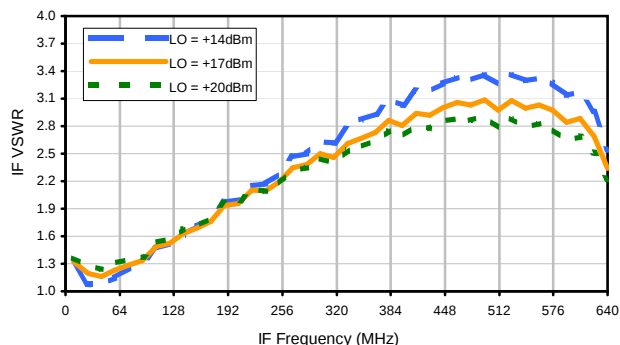
RF VSWR



LO VSWR



IF VSWR



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Harmonics Tables

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	16	19	27	31	55	49	49	51	51	63
1	-	35	+0	35	11	49	33	71	44	49	42	53
2	64	55	62	64	56	58	77	73	75	72	65	82
3	>90	>84	61	84	61	>84	62	>84	>84	>84	70	80
4	>90	>84	>84	>84	>84	>84	>84	>84	>84	>84	>84	>84
5	>90	>84	>84	>84	>84	>84	>84	>84	>84	>84	>84	>84
6	>90	>84	>84	>84	>84	>84	>84	>84	>84	>84	>84	>84
7	>90	>84	>84	>84	>84	>84	>84	>84	>84	>84	>84	>84
8	>90	>84	>84	>84	>84	>84	>84	>84	>84	>84	>84	>84
9	>90	>84	>84	>84	>84	>84	>84	>84	>84	>84	>84	>84
10	>90	>84	>84	>84	>84	>84	>84	>84	>84	>84	>84	>84
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions:

RF IN: 342 MHz; 0.00 dBm.

LO IN: 422 MHz; +17.00 dBm

IF OUT: 80 MHz; -6.15 dBm

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	28	30	36	42	67	57	56	62	65	66
1	-	34	+0	35	11	48	33	68	53	52	42	56
2	44	45	54	54	48	50	62	64	67	67	60	83
3	66	67	41	66	41	73	43	71	66	71	53	66
4	>90	74	71	69	67	70	65	73	73	86	75	79
5	>90	87	77	76	61	75	65	77	68	86	94	81
6	>90	>94	>94	93	87	87	86	81	88	85	89	>94
7	>90	>94	>94	93	85	84	83	86	79	89	88	>94
8	>90	>94	>94	>94	>94	>94	>94	>94	>94	93	>94	>94
9	>90	>94	>94	>94	>94	>94	>94	>94	>94	>94	>94	>94
10	>90	>94	>94	>94	>94	>94	>94	>94	>94	>94	>94	>94
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions:

RF IN: 342 MHz; 10.00 dBm.

LO IN: 422 MHz; +17.00 dBm

IF OUT: 80 MHz; 3.81 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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