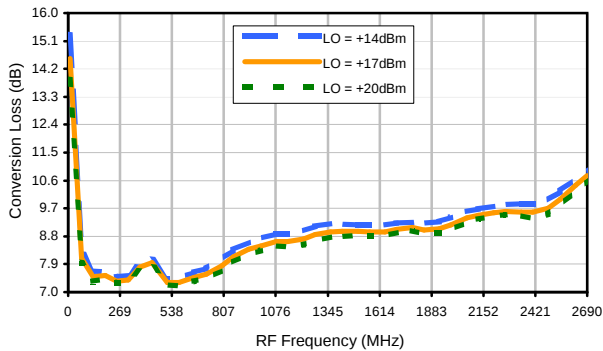


Frequency Mixer

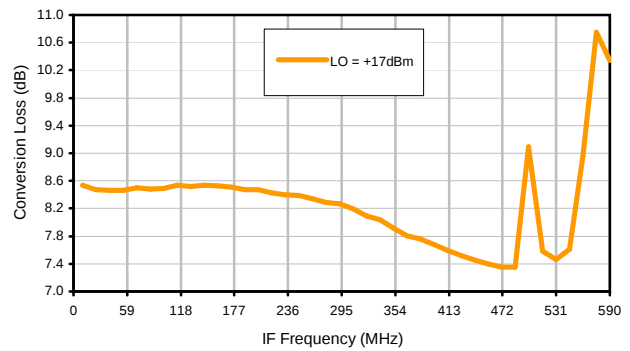
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Typical Performance Curves

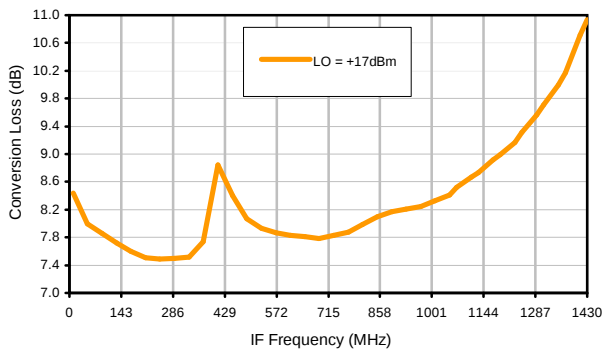
Conversion Loss @ IF=30MHz



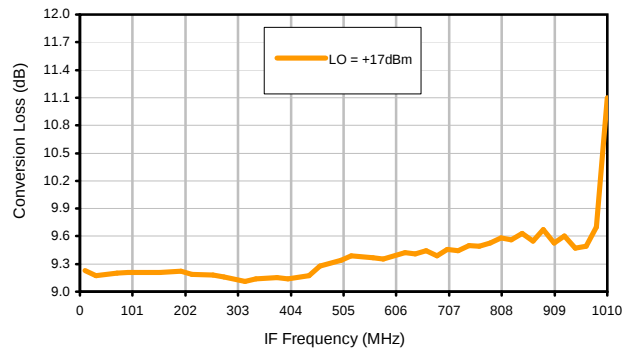
Conversion Loss vs. IF @ RF=1005.1MHz



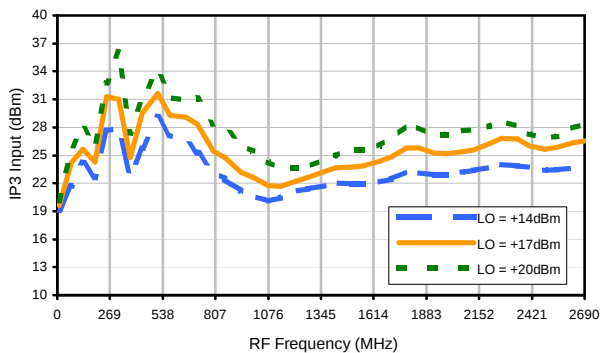
Conversion Loss vs. IF @ RF=59.9MHz



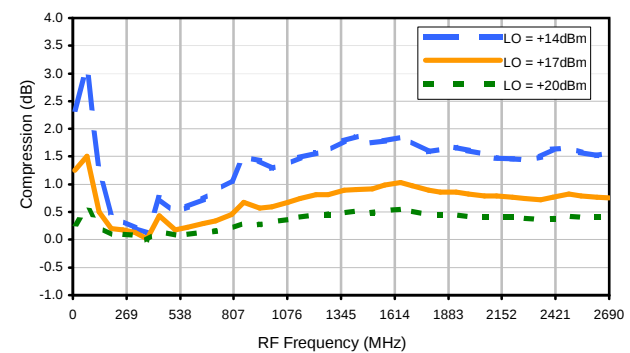
Conversion Loss vs. IF @ RF=2000.1MHz



IP3 Input

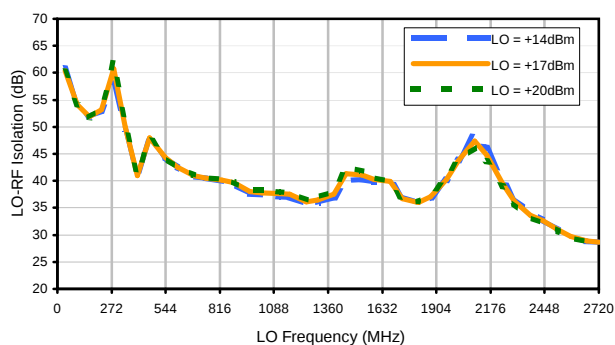


Compression @ RF IN=+17dBm

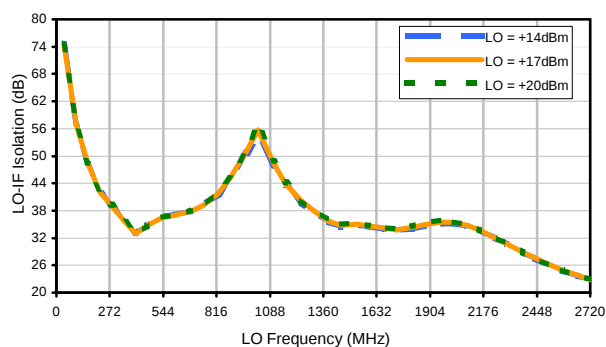


Typical Performance Curves

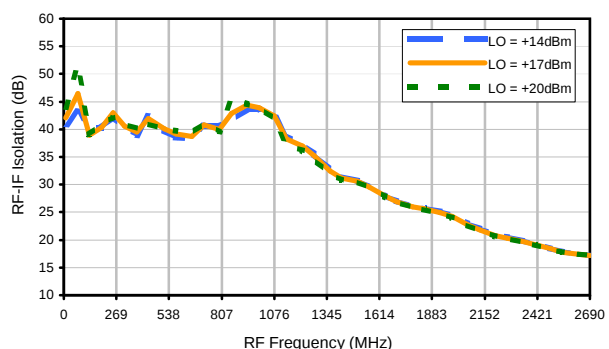
LO-RF Isolation



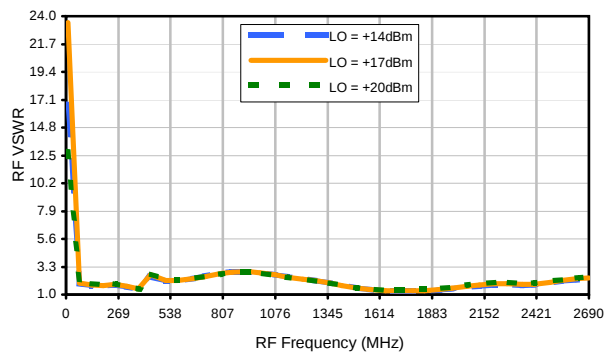
LO-IF Isolation



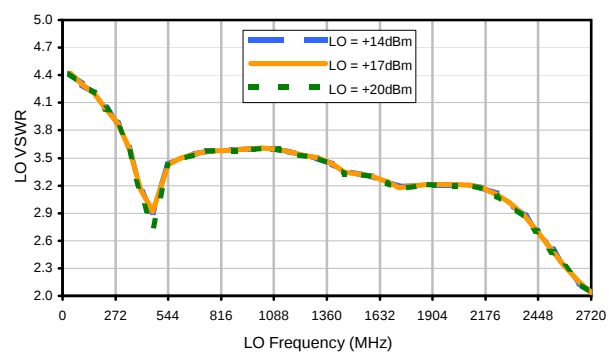
RF-IF Isolation



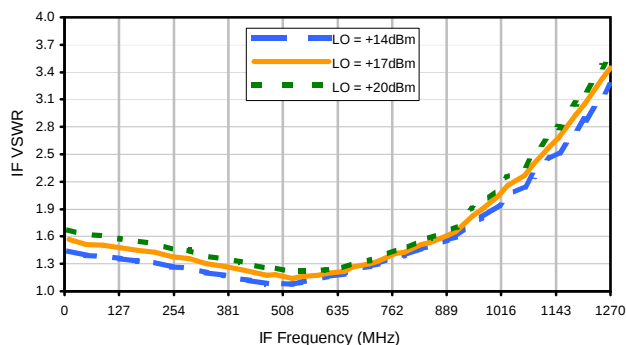
RF VSWR



LO VSWR



IF VSWR



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Harmonics Tables

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	28	34	38	31	37	39	30	41	52	61
1	-	25	+0	36	24	46	28	40	49	51	51	55
2	58	61	52	57	58	>81	>81	72	73	60	57	59
3	>90	>81	64	64	54	65	67	>81	67	77	>81	80
4	>90	>81	>81	>81	>81	>81	81	>81	>81	>81	>81	>81
5	>90	>81	>81	>81	>81	>81	79	>81	>81	>81	>81	>81
6	>90	>81	>81	>81	>81	>81	>81	>81	>81	>81	>81	>81
7	>90	>81	>81	>81	>81	>81	>81	>81	>81	>81	>81	>81
8	>90	>81	>81	>81	>81	>81	>81	>81	>81	>81	>81	>81
9	>90	>81	>81	>81	>81	>81	>81	>81	>81	>81	>81	>81
10	>90	>81	>81	>81	>81	>81	>81	>81	>81	>81	>81	>81
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions: RF IN: 1030 MHz; 0.00 dBm.
LO IN: 1060 MHz; +17.00 dBm
IF OUT: 30 MHz; -8.65 dBm

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	38	42	48	40	47	46	43	44	58	58
1	-	27	+0	38	25	47	30	41	53	55	57	62
2	38	52	43	47	49	73	69	68	68	58	55	59
3	66	82	46	51	36	51	50	77	48	63	66	65
4	89	70	88	82	62	78	60	80	79	78	84	69
5	>90	79	68	>91	66	68	54	67	67	>91	65	79
6	>90	86	>91	91	>91	>91	72	>91	72	89	87	87
7	>90	>91	>91	>91	87	>91	86	76	72	83	84	>91
8	>90	89	89	>91	>91	>91	>91	>91	81	91	83	>91
9	>90	>91	>91	>91	>91	>91	>91	>91	>91	88	87	86
10	>90	>91	>91	>91	>91	>91	>91	>91	>91	>91	>91	>91
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions: RF IN: 1030 MHz; 10.00 dBm.
LO IN: 1060 MHz; +17.00 dBm
IF OUT: 30 MHz; 1.22 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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