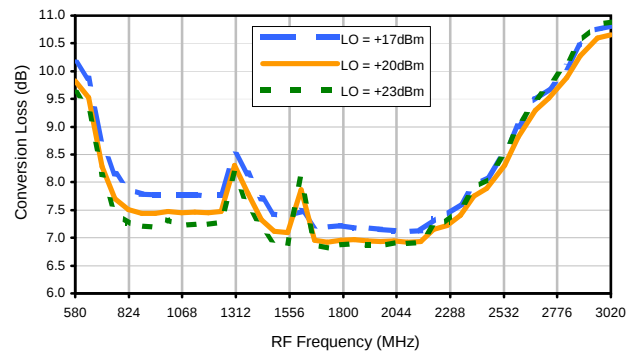


Frequency Mixer

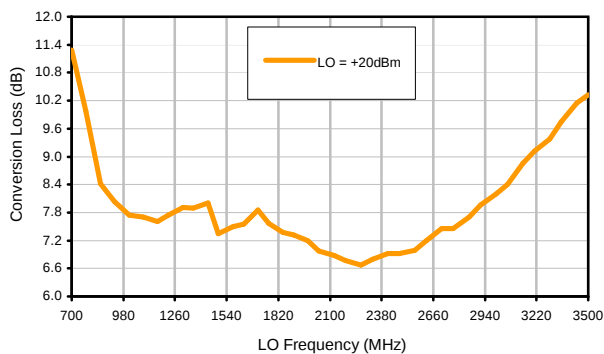
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Typical Performance Curves

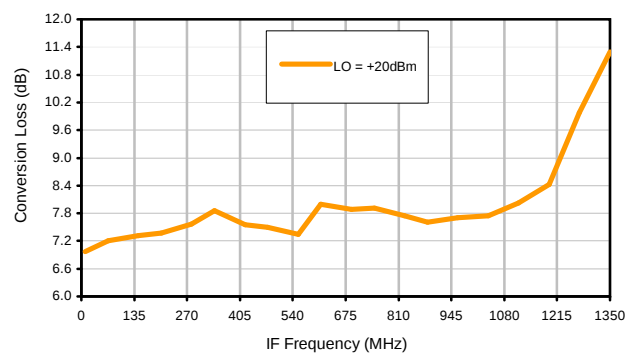
Conversion Loss @ IF=100MHz



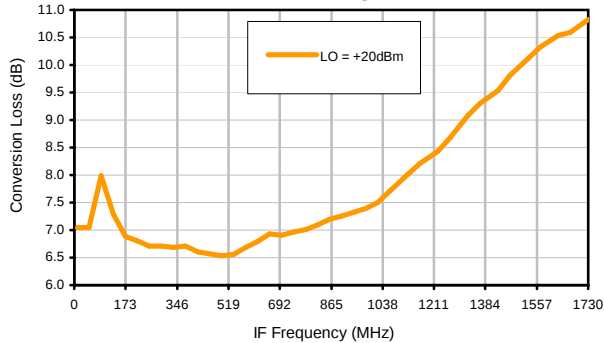
Conversion Loss vs. LO @ RF=2050MHz



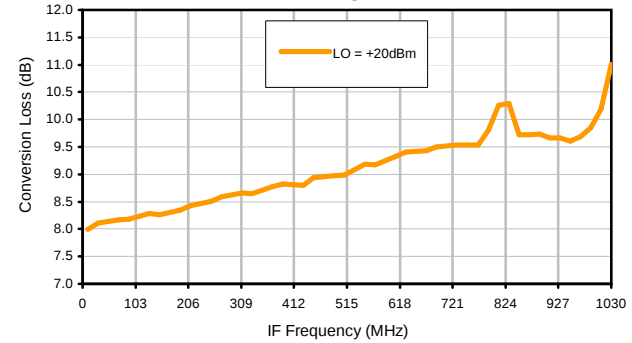
Conversion Loss vs. IF @ RF=2050MHz



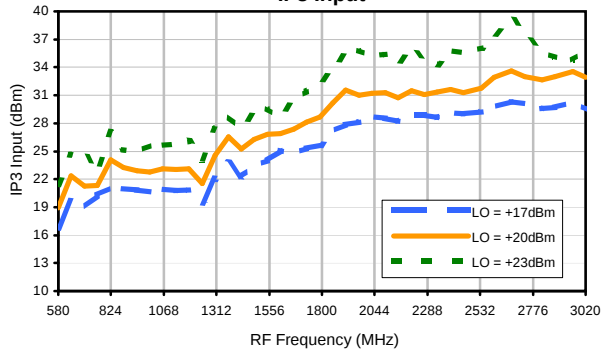
Conversion Loss vs. IF @ RF=1589.9MHz



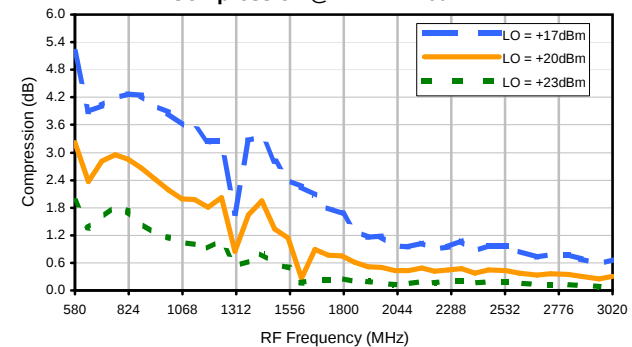
Conversion Loss vs. IF @ RF=2510.1001MHz



IP3 Input

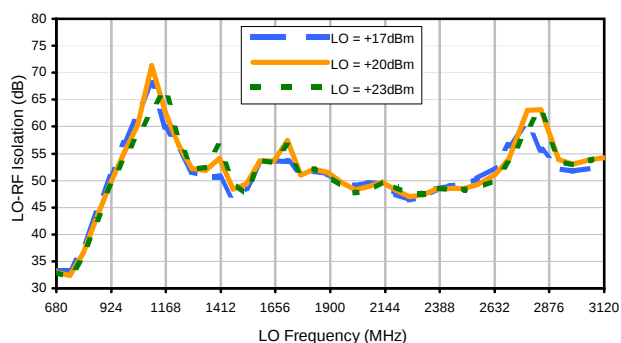


Compression @ RF IN=+20dBm

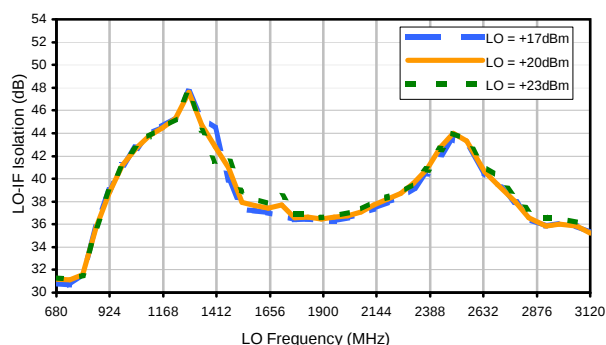


Typical Performance Curves

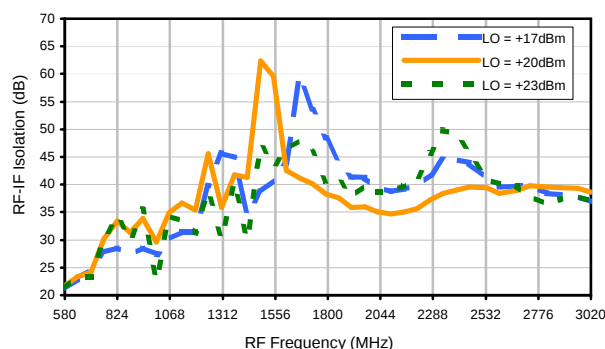
LO-RF Isolation



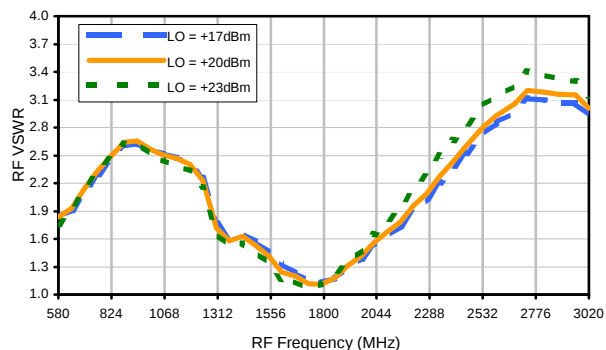
LO-IF Isolation



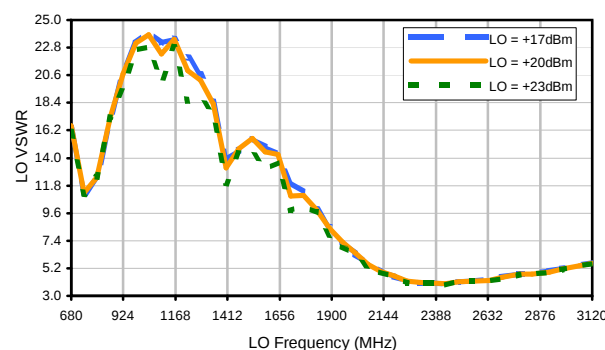
RF-IF Isolation



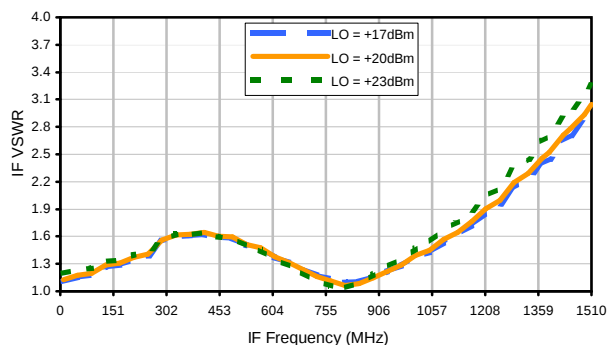
RF VSWR



LO VSWR



IF VSWR



Harmonics Tables

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	11	17	24	34	33	33	39	61	53	49
1	-	25	+0	34	25	41	29	45	51	56	66	69
2	58	57	67	62	>83	78	73	74	>83	71	78	>83
3	>90	>83	76	>83	70	>83	>83	>83	>83	>83	>83	>83
4	>90	>83	>83	>83	>83	>83	>83	>83	>83	>83	>83	>83
5	>90	>83	>83	>83	>83	>83	>83	>83	>83	>83	>83	>83
6	>90	>83	>83	>83	>83	>83	>83	>83	>83	>83	>83	>83
7	>90	>83	>83	>83	>83	>83	>83	>83	>83	>83	>83	>83
8	>90	>83	>83	>83	>83	>83	>83	>83	>83	>83	>83	>83
9	>90	>83	>83	>83	>83	>83	>83	>83	>83	>83	>83	>83
10	>90	>83	>83	>83	>83	>83	>83	>83	>83	>83	>83	>83
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions:

RF IN: 2050 MHz; 0.00 dBm.
LO IN: 2150 MHz; +20.00 dBm
IF OUT: 100 MHz; -6.9 dBm

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	22	27	34	47	42	43	51	69	65	62
1	-	25	+0	34	25	41	29	46	52	57	65	70
2	38	46	54	51	74	68	62	63	74	61	69	89
3	67	78	55	68	47	69	64	90	64	74	81	84
4	>90	76	>93	76	77	75	82	>93	83	89	88	91
5	>90	>93	89	93	85	76	76	82	89	87	90	>93
6	>90	>93	>93	>93	>93	>93	>93	91	>93	>93	>93	>93
7	>90	>93	>93	>93	>93	>93	>93	>93	87	>93	>93	>93
8	>90	>93	>93	>93	>93	>93	>93	>93	>93	>93	>93	>93
9	>90	>93	>93	>93	>93	>93	>93	>93	>93	>93	>93	>93
10	>90	>93	>93	>93	>93	>93	>93	>93	>93	>93	>93	>93
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions:

RF IN: 2050 MHz; 10.00 dBm.
LO IN: 2150 MHz; +20.00 dBm
IF OUT: 100 MHz; 3.07 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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