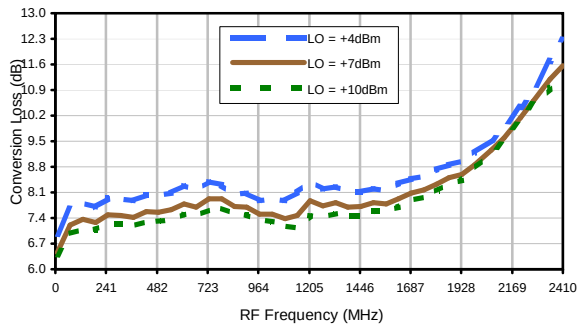


Frequency Mixer

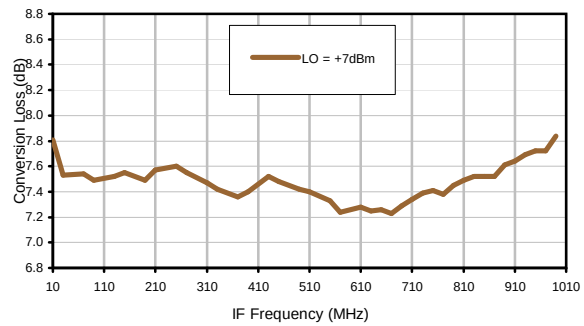
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Typical Performance Curves

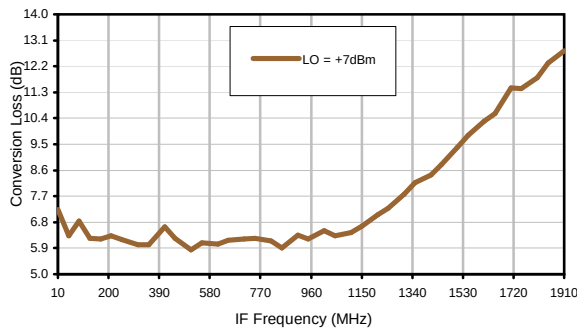
Conversion Loss @ IF=30MHz



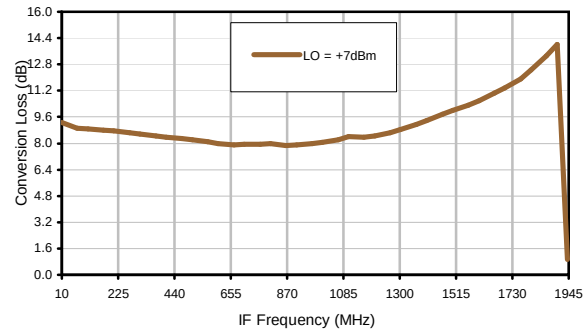
Conversion Loss vs. IF @ RF=1010.1MHz



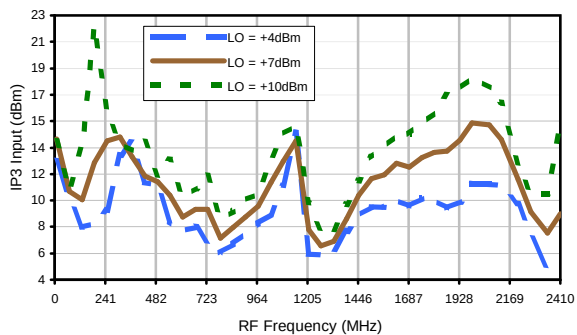
Conversion Loss vs. IF @ RF=10MHz



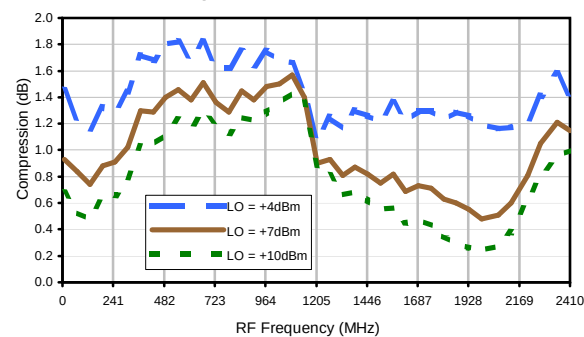
Conversion Loss vs. IF @ RF=2020.1MHz



IP3 Input

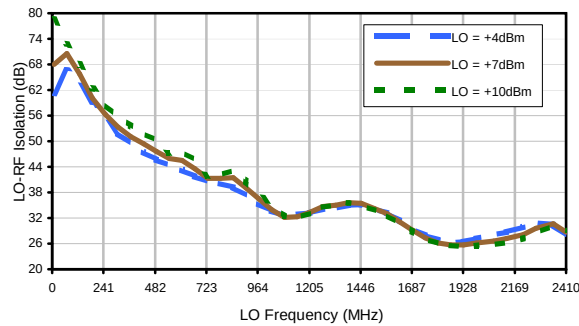


Compression @ RF IN=+1dBm

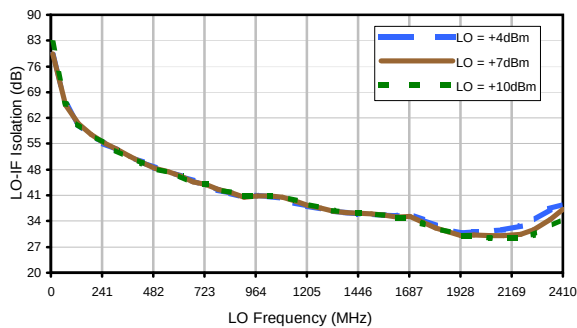


Typical Performance Curves

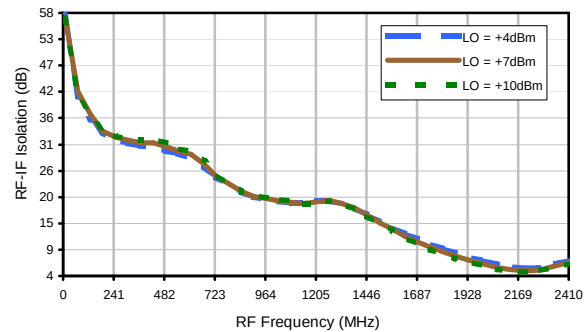
LO-RF Isolation



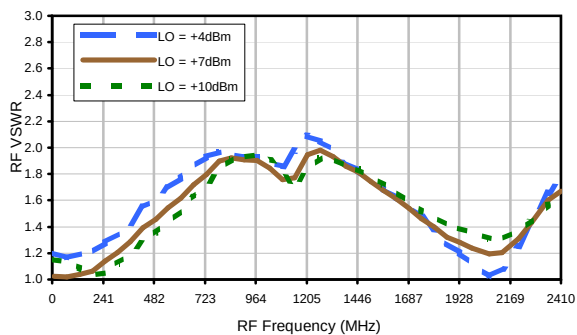
LO-IF Isolation



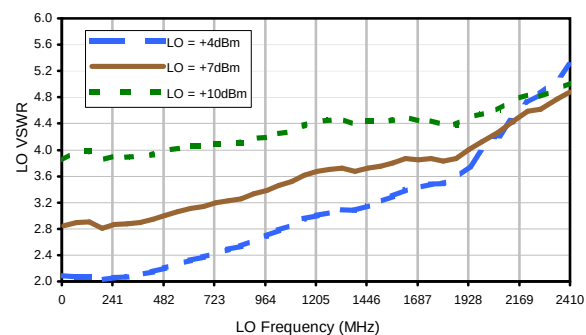
RF-IF Isolation



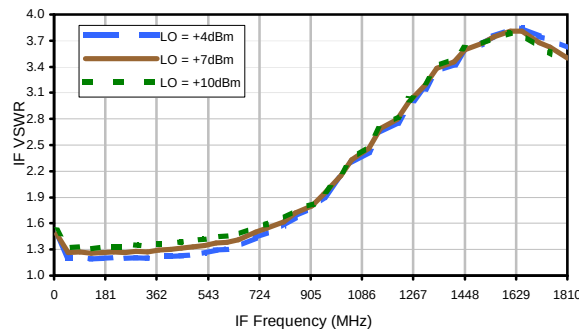
RF VSWR



LO VSWR



IF VSWR



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ADE-ED12872/5

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Page 2 of 3



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Harmonics Tables

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	11	16	17	32	10	31	29	38	44	44
1	-	10	+0	26	21	24	31	26	36	35	40	46
2	> 90	63	56	55	56	58	51	59	39	58	51	61
3	> 90	63	67	68	58	63	> 68	57	65	59	66	62
4	> 90	> 68	> 68	> 68	> 68	> 68	> 68	> 68	> 68	> 68	68	> 68
5	> 90	> 68	> 68	> 68	> 68	> 68	> 68	> 68	> 68	> 68	> 68	> 68
6	> 90	> 68	> 68	> 68	> 68	> 68	> 68	> 68	> 68	> 68	> 68	> 68
7	> 90	> 68	> 68	> 68	> 68	> 68	> 68	> 68	> 68	> 68	> 68	> 68
8	> 90	> 68	> 68	> 68	> 68	> 68	> 68	> 68	> 68	> 68	> 68	> 68
9	> 90	> 68	> 68	> 68	> 68	> 68	> 68	> 68	> 68	> 68	> 68	> 68
10	> 90	> 68	> 68	> 68	> 68	> 68	> 68	> 68	> 68	> 68	> 68	> 68
RF CAL	0	1	2	3	4	5	6	7	8	9	10	

LO HARMONICS ORDER

Test conditions: RF IN: 1005.00 MHz; -14.00 dBm.
LO IN: 1035.00 MHz; +7.00 dBm
IF OUT: 30.00 MHz; -21.66 dBm

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	21	26	27	45	26	48	53	61	68	60
1	-	10	+0	28	21	28	35	33	45	48	58	70
2	70	47	47	44	48	53	50	55	36	55	53	61
3	> 90	38	41	51	38	46	63	41	49	44	54	52
4	> 90	69	60	62	65	59	64	67	62	66	47	65
5	> 90	75	> 78	63	63	70	57	63	62	55	63	59
6	> 90	> 78	71	> 78	72	> 78	> 78	73	76	> 78	72	> 78
7	> 90	> 78	> 78	> 78	> 78	73	73	76	68	76	75	70
8	> 90	> 78	> 78	> 78	> 78	> 78	> 78	> 78	> 78	> 78	> 78	> 78
9	> 90	> 78	> 78	> 78	> 78	> 78	> 78	> 78	> 78	> 78	> 78	> 78
10	> 90	> 78	> 78	> 78	> 78	> 78	> 78	> 78	> 78	> 78	> 78	> 78
RF CAL	0	1	2	3	4	5	6	7	8	9	10	

LO HARMONICS ORDER

Test conditions: RF IN: 1005.00 MHz; -4.00 dBm.
LO IN: 1035.00 MHz; +7.00 dBm
IF OUT: 30.00 MHz; -11.80 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.