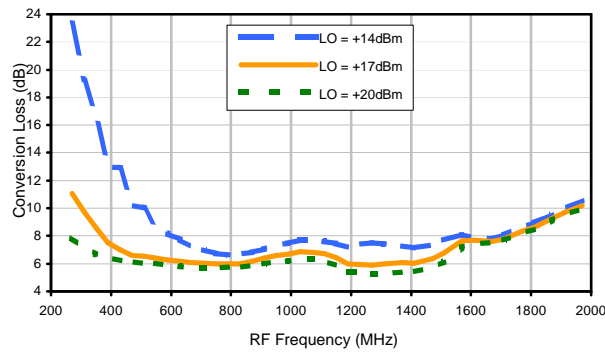
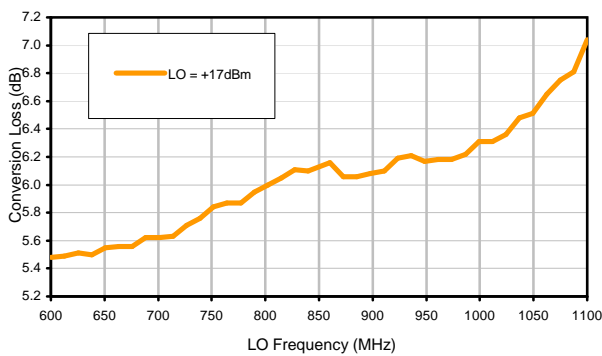


## Typical Performance Curves

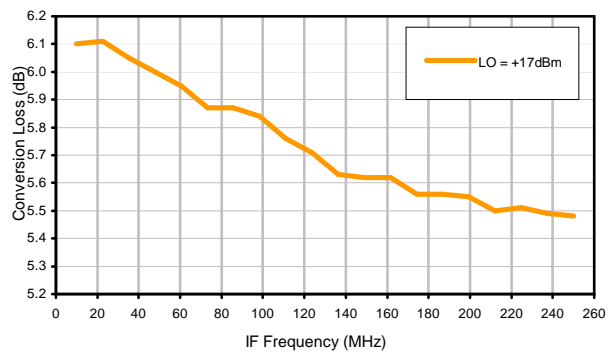
Conversion Loss @ IF=30MHz



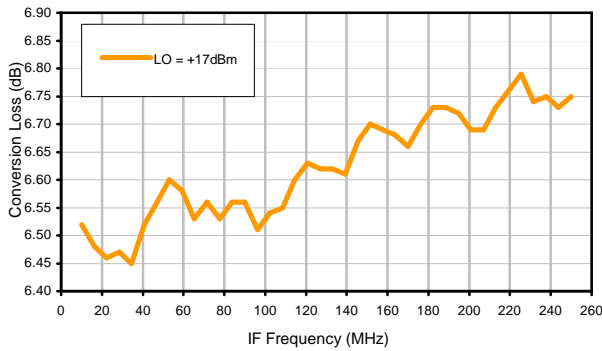
Conversion Loss vs. LO @ RF=850.1MHz



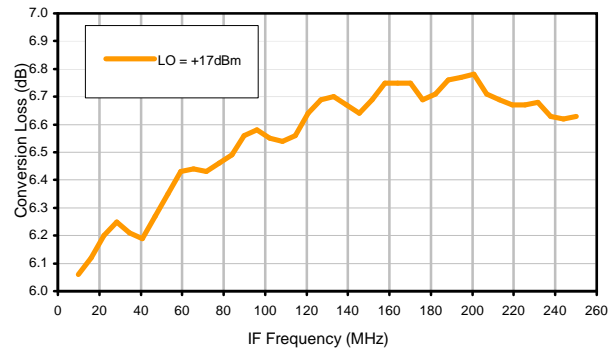
Conversion Loss vs. IF @ RF=850.1MHz



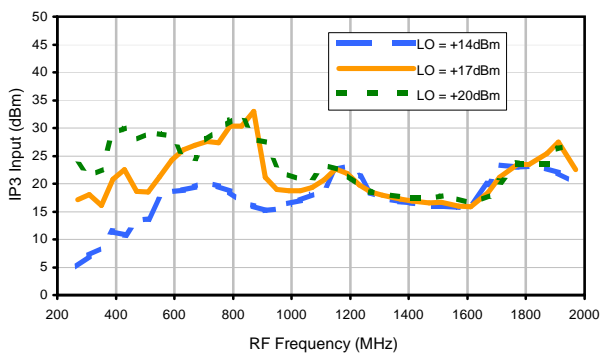
Conversion Loss vs. IF @ RF=500.1MHz



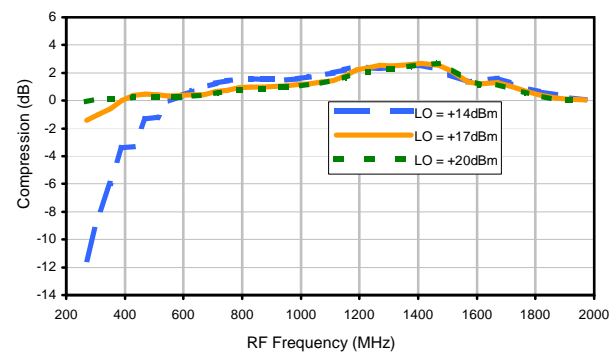
Conversion Loss vs. IF @ RF=1200.1MHz



IP3 Input

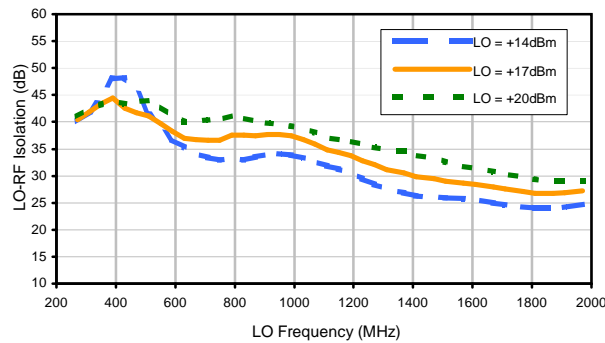


Compression @ RF IN=+14dBm

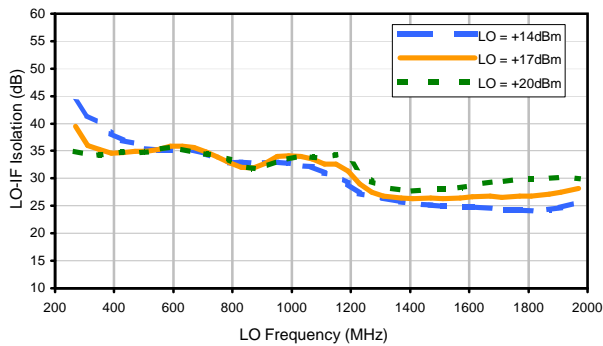


## Typical Performance Curves

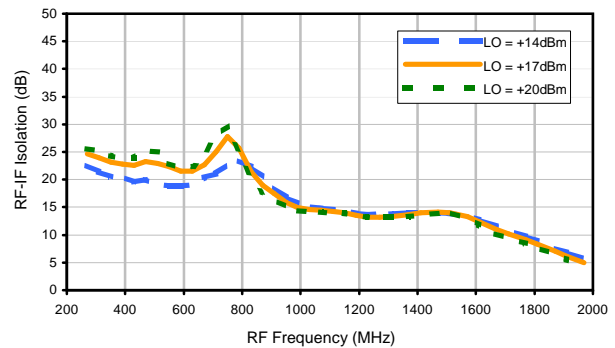
LO-RF Isolation



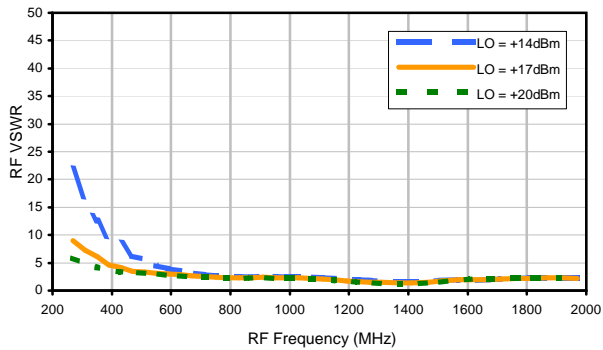
LO-IF Isolation



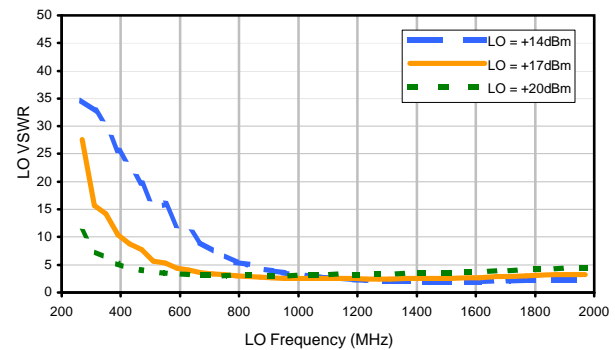
RF-IF Isolation



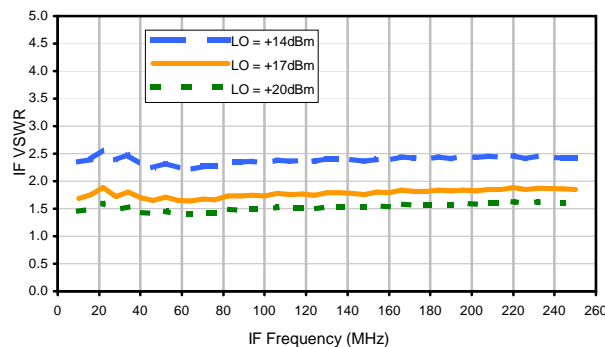
RF VSWR



LO VSWR



IF VSWR



## Harmonics Tables

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	7	13	15	27	17	31	28	50	42	48
1	-	14	+0	16	11	30	38	27	45	45	54	61
2	89	49	57	60	53	57	63	79	51	59	64	68
3	>100	61	59	54	69	50	57	62	71	64	71	79
4	>100	>93	>93	84	88	83	83	80	92	>93	90	89
5	>100	>93	>93	92	>93	84	92	84	86	91	>93	>93
6	>100	>93	>93	>93	>93	>93	>93	>93	91	>93	>93	>93
7	>100	>93	>93	>93	>93	>93	>93	>93	>93	>93	>93	>93
8	>100	>93	>93	>93	>93	>93	>93	>93	>93	>93	>93	>93
9	>100	>93	>93	>93	>93	>93	>93	>93	>93	>93	>93	>93
10	>100	>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: 850.1 MHz; -1.00 dBm.  
 LO IN: 880.01 MHz; +17.00 dBm  
 IF OUT: 29.91 MHz; -7.34 dBm

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	17	23	27	39	31	42	42	62	57	61
1	-	14	+0	19	12	31	41	31	53	51	72	68
2	75	44	55	49	55	56	46	61	44	55	58	69
3	>100	42	46	46	55	34	38	52	62	44	63	66
4	>100	69	66	57	56	64	64	66	74	68	65	64
5	>100	58	65	60	62	49	59	51	59	57	61	59
6	>100	79	89	80	84	72	69	71	69	69	80	75
7	>100	86	80	96	79	81	70	71	66	67	63	75
8	>100	>103	>103	96	87	95	86	79	82	78	77	78
9	>100	>103	>103	>103	92	87	91	81	79	80	77	74
10	>100	>103	>103	>103	>103	96	>103	99	88	87	83	85
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

### LO HARMONICS ORDER

Test conditions: RF IN: 850.1 MHz; 9.00 dBm.  
 LO IN: 880.01 MHz; +17.00 dBm  
 IF OUT: 29.91 MHz; 2.59 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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 ADE-12H+  
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