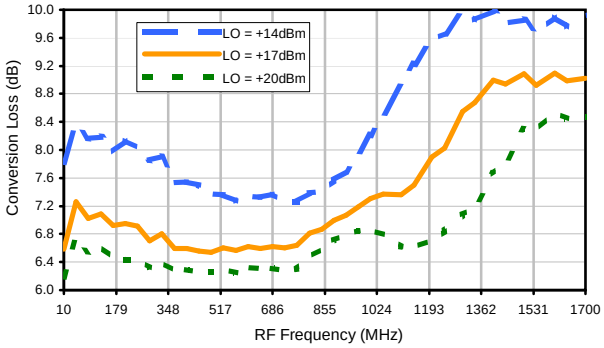
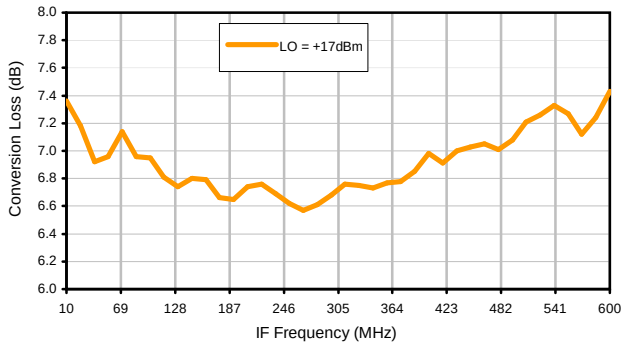
Typical Performance Curves

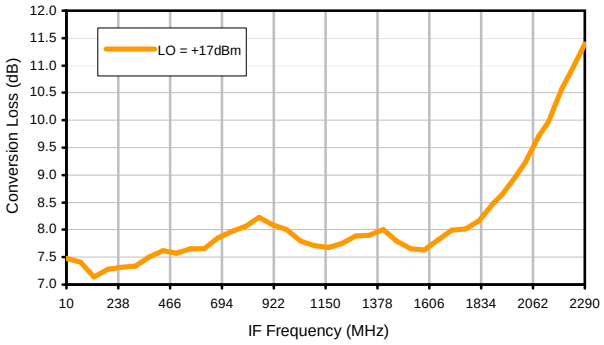
Conversion Loss @ IF=30MHz



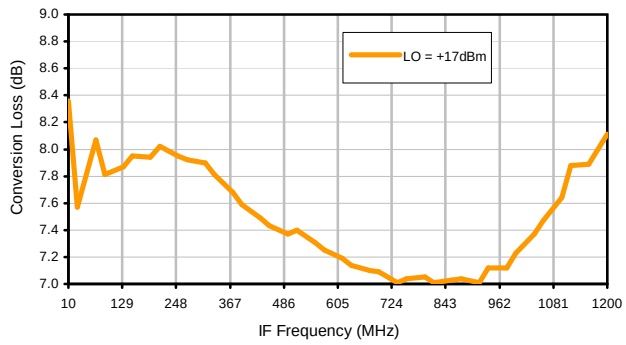
Conversion Loss vs. IF @ RF=610.1MHz



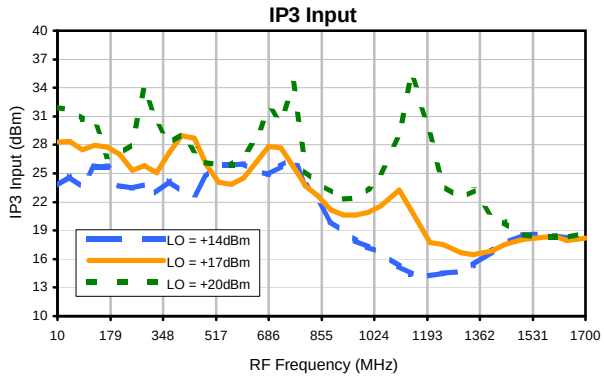
Conversion Loss vs. IF @ RF=10.1MHz



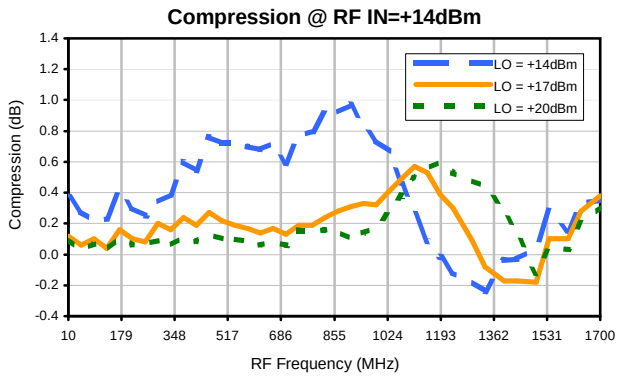
Conversion Loss vs. IF @ RF=1210.1MHz



IP3 Input

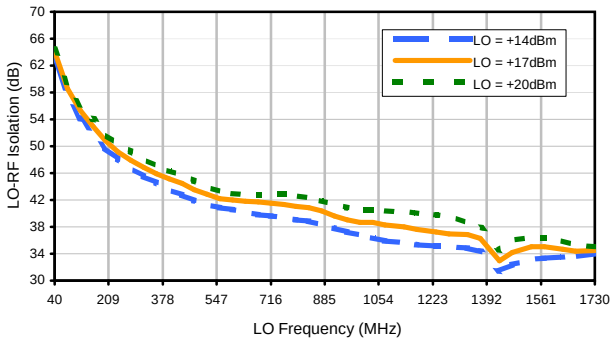


Compression @ RF IN=+14dBm

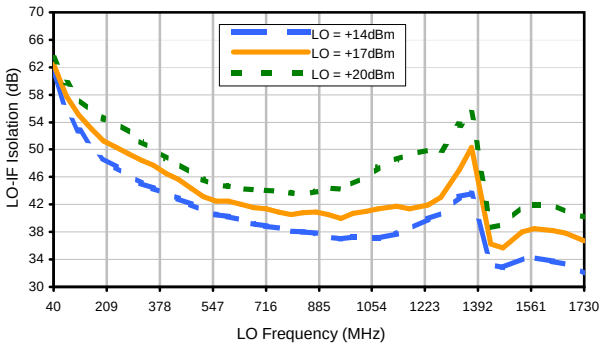


Typical Performance Curves

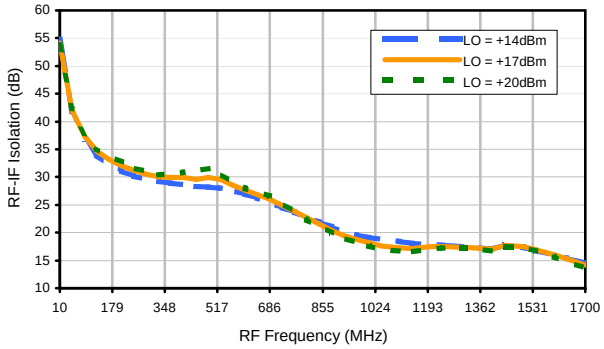
LO-RF Isolation



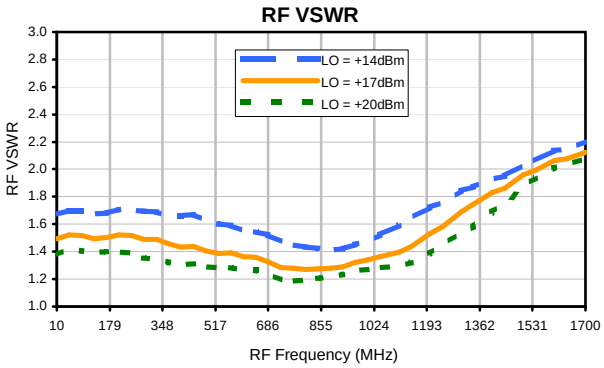
LO-IF Isolation



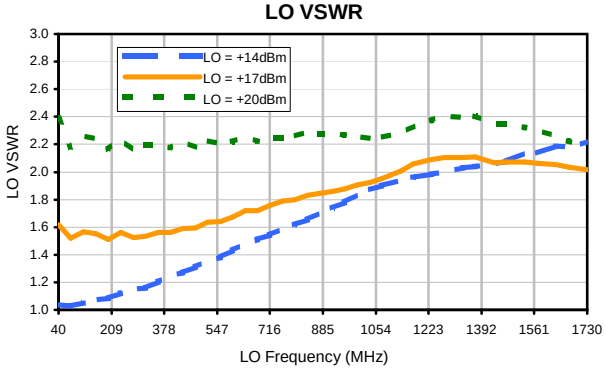
RF-IF Isolation



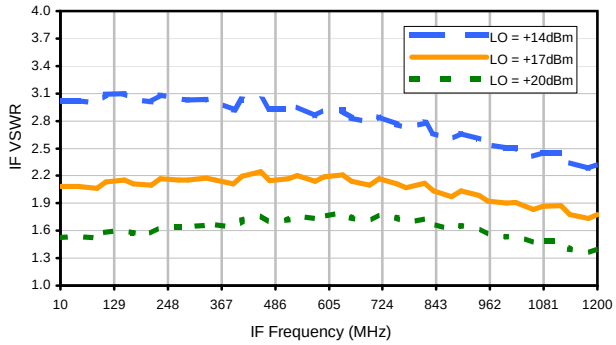
RF VSWR



LO VSWR



IF VSWR



Harmonics Tables

RF HARMONICS ORDER	(-dBm)	(-dBc)										
0	-	-	17	26	17	31	27	37	41	47	45	55
1	-	21	+0	37	16	45	43	32	37	34	36	36
2	64	57	61	59	60	70	54	66	62	78	64	68
3	>90	69	56	68	54	74	50	63	53	67	70	65
4	>90	>82	>82	>82	>82	>82	>82	>82	>82	>82	>82	>82
5	>90	>82	>82	>82	>82	>82	>82	>82	>82	>82	>82	>82
6	>90	>82	>82	>82	>82	>82	>82	>82	>82	>82	>82	>82
7	>90	>82	>82	>82	>82	>82	>82	>82	>82	>82	>82	>82
8	>90	>82	>82	>82	>82	>82	>82	>82	>82	>82	>82	>82
9	>90	>82	>82	>82	>82	>82	>82	>82	>82	>82	>82	>82
10	>90	>82	>82	>82	>82	>82	>82	>82	>82	>82	>82	>82
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions: RF IN: 610 MHz; -1.00 dBm.
LO IN: 640 MHz; +17.00 dBm
IF OUT: 30 MHz; -8.45 dBm

RF HARMONICS ORDER	(-dBm)	(-dBc)										
0	-	-	27	36	30	43	42	50	62	67	69	91
1	-	22	+0	34	16	40	33	36	44	38	45	44
2	44	53	56	55	52	75	47	59	54	65	61	73
3	71	57	41	55	44	55	35	52	42	52	55	53
4	>90	68	70	68	68	73	71	76	65	84	>92	76
5	>90	83	57	64	51	68	49	87	48	62	54	62
6	>90	89	85	81	88	77	85	84	77	76	74	80
7	>90	76	83	86	71	73	67	78	66	81	61	72
8	>90	>92	>92	>92	>92	>92	88	>92	86	87	>92	82
9	>90	>92	>92	>92	90	>92	78	85	75	91	76	87
10	>90	>92	>92	>92	>92	>92	>92	>92	>92	>92	>92	>92
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions: RF IN: 610 MHz; 9.00 dBm.
LO IN: 640 MHz; +17.00 dBm
IF OUT: 30 MHz; 1.64 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.