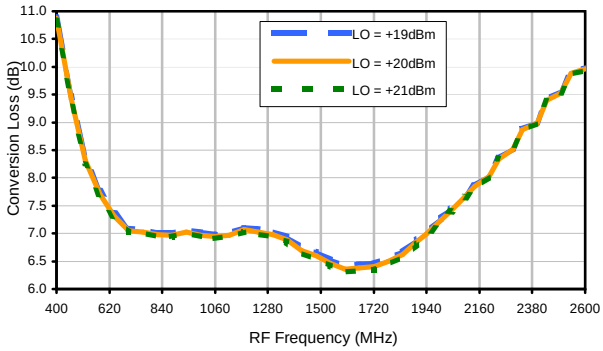
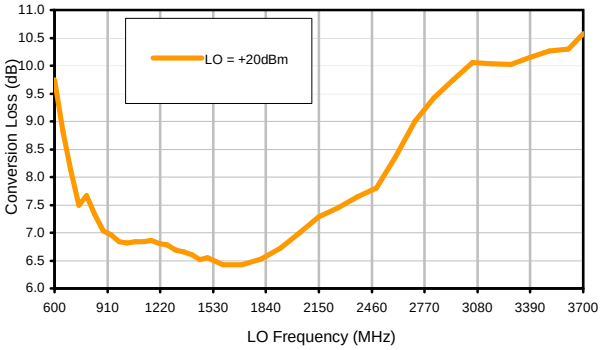
Typical Performance Curves

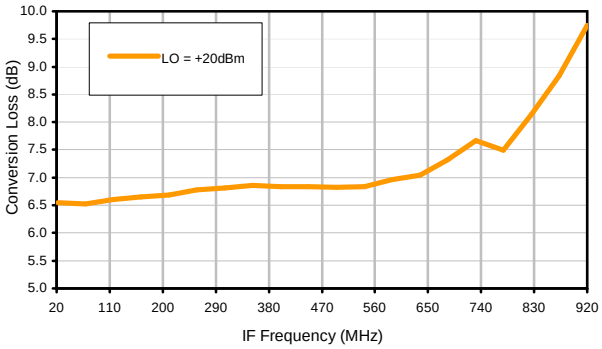
Conversion Loss @ IF=85MHz



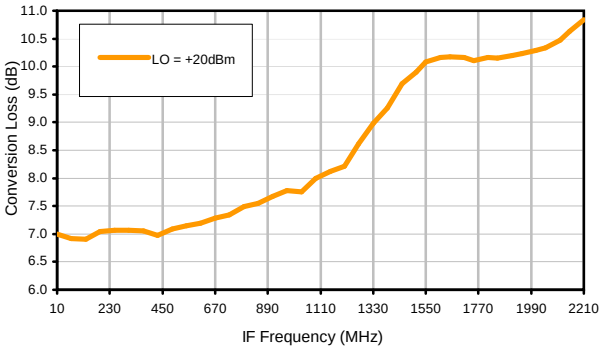
Conversion Loss vs. LO @ RF=1520MHz



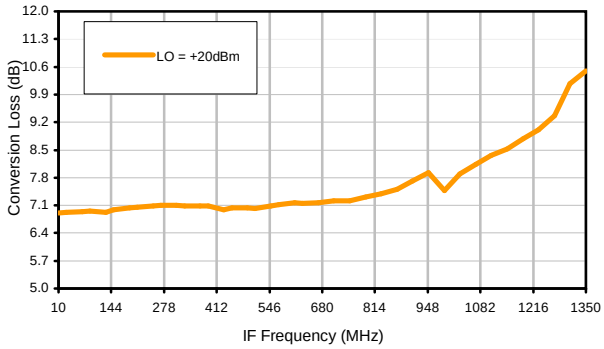
Conversion Loss vs. IF @ RF=1520MHz



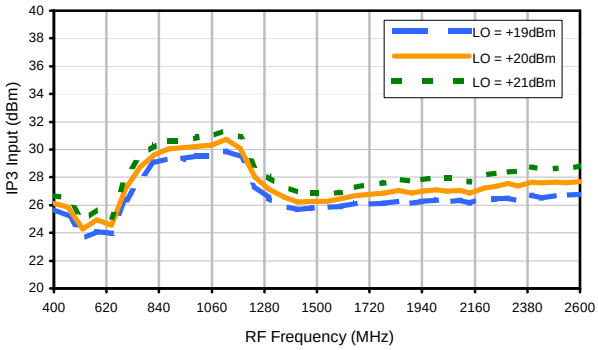
Conversion Loss vs. IF @ RF=1090MHz



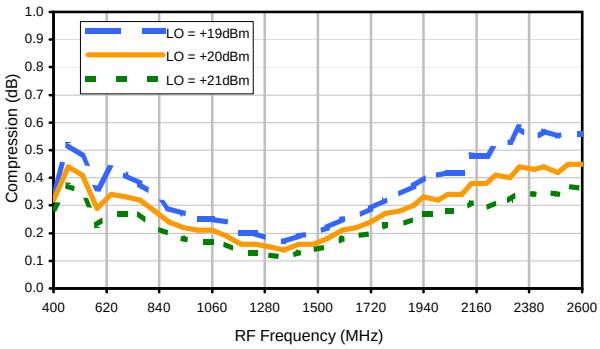
Conversion Loss vs. IF @ RF=1960.1 MHz



IP3 Input

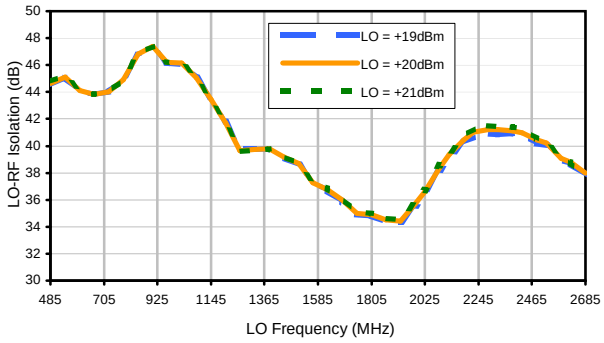


Compression @ RF IN = +15 dBm

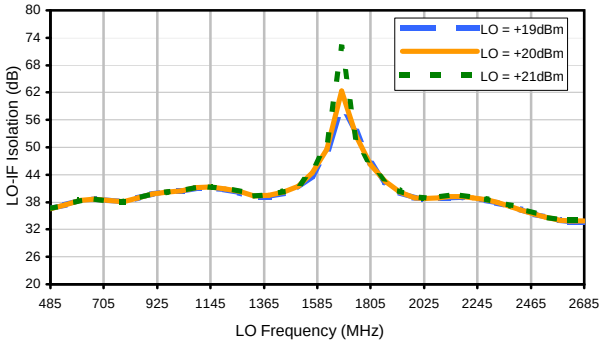


Typical Performance Curves

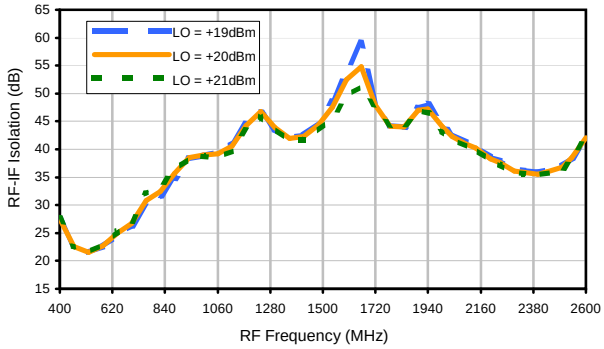
LO-RF Isolation



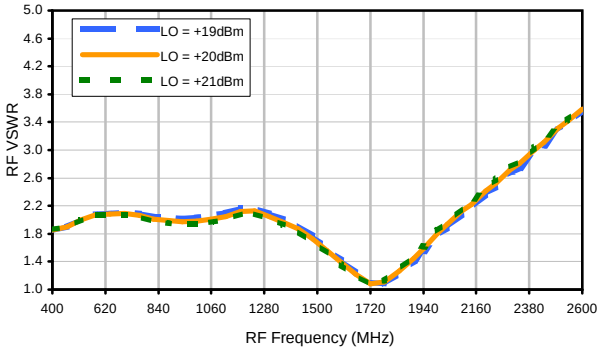
LO-IF Isolation



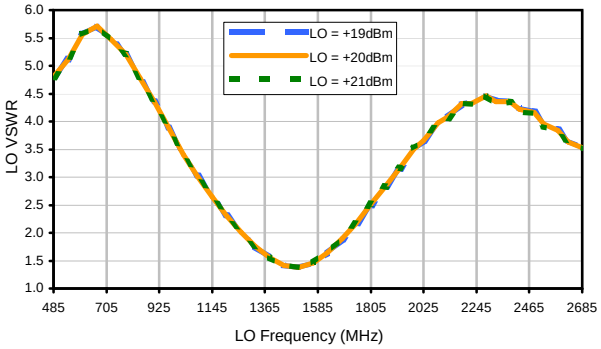
RF-IF Isolation



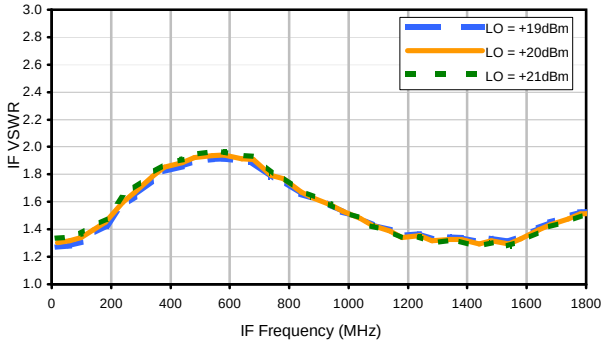
RF VSWR



LO VSWR



IF VSWR



Harmonics Tables

RF HARMONICS ORDER	(-dBm)	(-dBc)										
0	-	-	14	23	28	14	32	30	32	25	35	55
1	-	31	+0	40	19	49	28	50	36	51	37	51
2	61	48	61	56	71	53	77	52	73	58	64	77
3	>90	>84	60	82	57	>84	64	>84	68	>84	71	>84
4	>90	>84	>84	>84	>84	>84	>84	>84	>84	>84	>84	>84
5	>90	>84	>84	>84	>84	>84	>84	>84	>84	>84	>84	>84
6	>90	>84	>84	>84	>84	>84	>84	>84	>84	>84	>84	>84
7	>90	>84	>84	>84	>84	>84	>84	>84	>84	>84	>84	>84
8	>90	>84	>84	>84	>84	>84	>84	>84	>84	>84	>84	>84
9	>90	>84	>84	>84	>84	>84	>84	>84	>84	>84	>84	>84
10	>90	>84	>84	>84	>84	>84	>84	>84	>84	>84	>84	>84
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions:
RF IN: 1520 MHz; 0.00 dBm.
LO IN: 1605 MHz; +20.00 dBm
IF OUT: 85 MHz; -6.21 dBm

RF HARMONICS ORDER	(-dBm)	(-dBc)										
0	-	-	23	37	38	22	41	36	45	35	49	58
1	-	31	+0	39	20	49	29	50	39	51	41	54
2	41	39	53	46	83	45	68	43	62	51	58	69
3	83	67	43	69	39	74	46	88	49	77	55	75
4	>90	68	86	67	77	67	83	65	77	63	86	65
5	>90	90	73	91	61	81	57	83	66	>94	68	87
6	>90	92	>94	81	>94	>94	88	78	92	81	88	81
7	>90	91	>94	>94	87	>94	75	90	71	93	80	>94
8	>90	93	>94	>94	>94	92	>94	91	91	86	91	>94
9	>90	>94	>94	>94	>94	>94	>94	>94	87	>94	82	>94
10	>90	>94	>94	>94	>94	>94	>94	>94	>94	>94	92	90
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions:
RF IN: 1520 MHz; 10.00 dBm.
LO IN: 1605 MHz; +20.00 dBm
IF OUT: 85 MHz; 3.74 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.