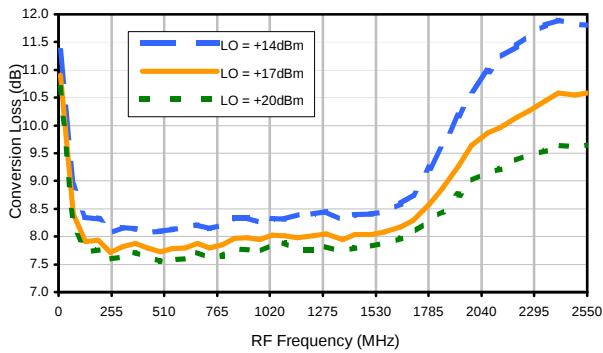


Frequency Mixer

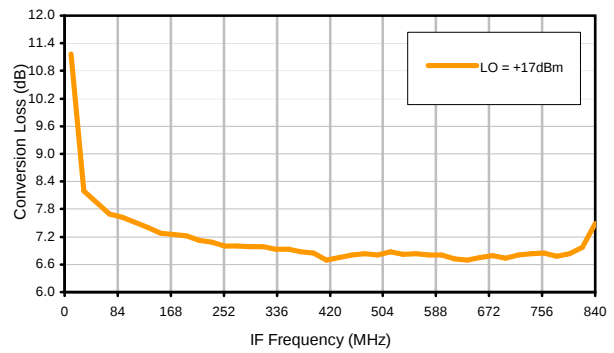
ZX05-ED13091

Typical Performance Curves

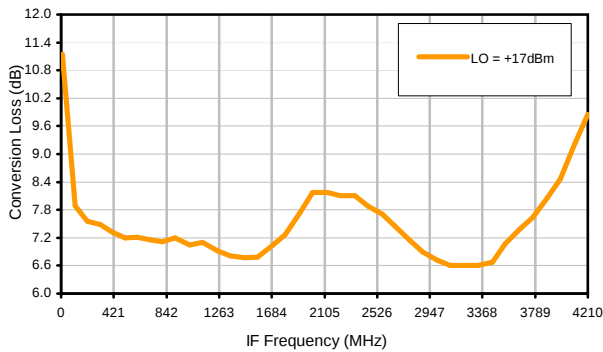
Conversion Loss @ IF=60MHz



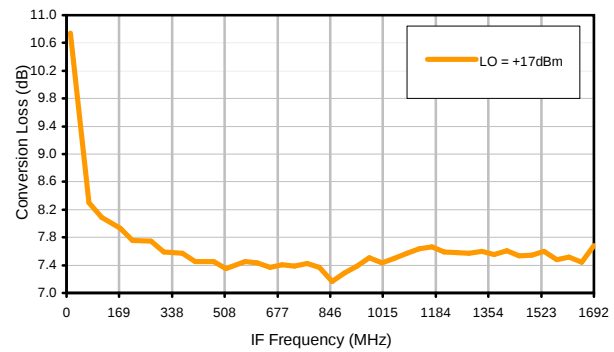
Conversion Loss vs. IF @ RF=850.1MHz



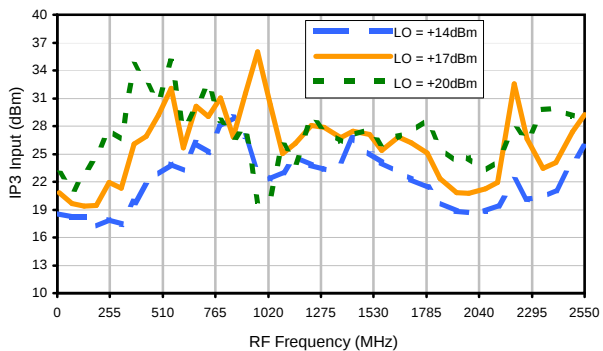
Conversion Loss vs. IF @ RF=100.1MHz



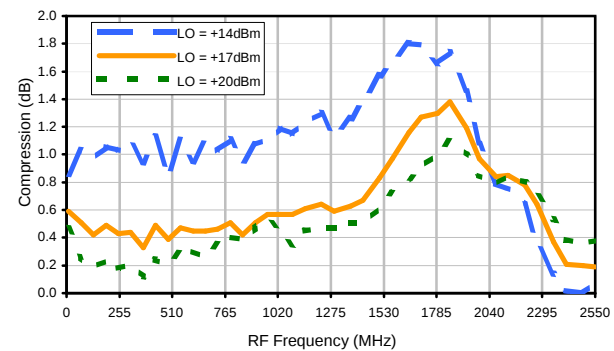
Conversion Loss vs. IF @ RF=1719.1MHz



IP3 Input

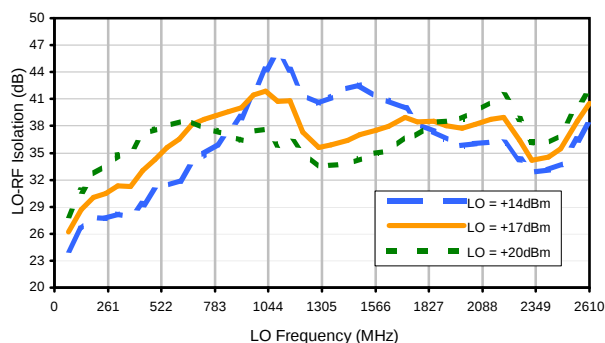


Compression @ RF IN=+14dBm

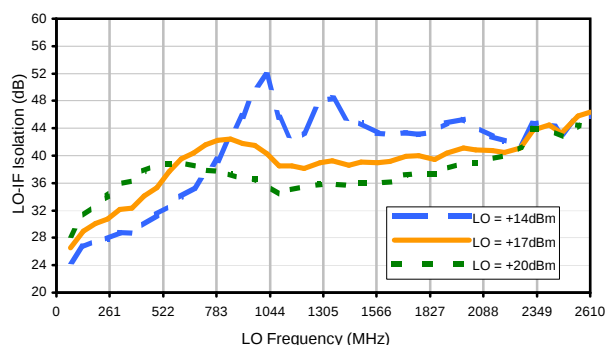


Typical Performance Curves

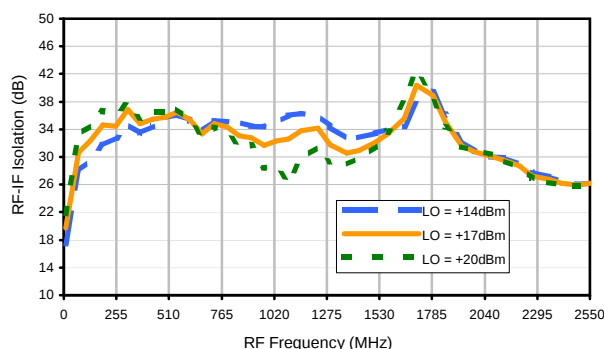
LO-RF Isolation



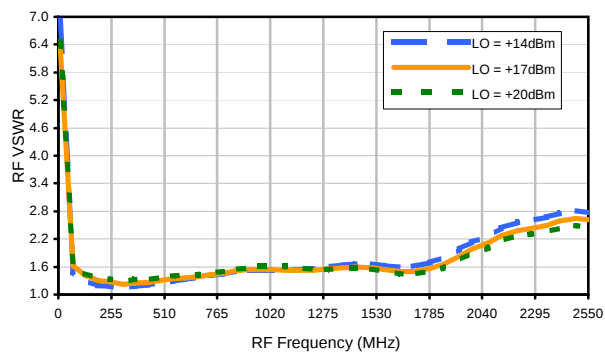
LO-IF Isolation



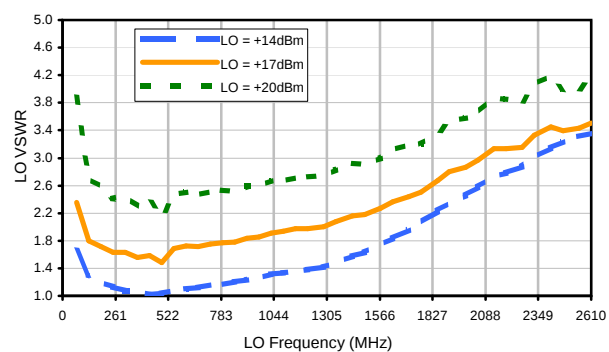
RF-IF Isolation



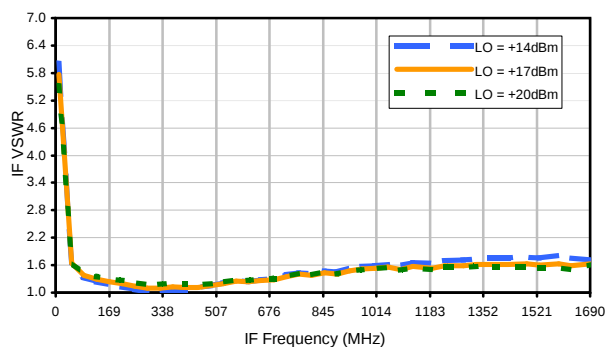
RF VSWR



LO VSWR



IF VSWR



Harmonics Tables

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	16	10	25	24	23	32	35	42	25	39
1	-	24	+0	30	10	64	21	39	32	43	44	38
2	64	50	49	53	44	54	48	53	44	57	56	62
3	>90	65	72	63	76	62	63	68	53	58	68	69
4	>90	75	72	72	69	70	68	72	74	72	68	79
5	>90	>81	>81	>81	>81	>81	>81	>81	>81	>81	>81	>81
6	>90	>81	>81	>81	>81	>81	>81	>81	>81	>81	>81	>81
7	>90	>81	>81	>81	>81	>81	>81	>81	>81	>81	>81	>81
8	>90	>81	>81	>81	>81	>81	>81	>81	>81	>81	>81	>81
9	>90	>81	>81	>81	>81	>81	>81	>81	>81	>81	>81	>81
10	>90	>81	>81	>81	>81	>81	>81	>81	>81	>81	>81	>81
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions: RF IN: 900 MHz; -1.00 dBm.
LO IN: 960 MHz; +17.00 dBm
IF OUT: 60 MHz; -9.02 dBm

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	27	21	36	37	36	58	49	61	49	66
1	-	25	+0	33	11	53	25	46	40	50	45	48
2	44	41	36	48	35	45	44	47	44	53	58	57
3	68	53	43	50	46	48	49	68	37	56	60	63
4	>90	58	56	74	57	59	50	64	51	65	53	67
5	>90	62	53	65	58	59	59	57	57	59	53	60
6	>90	69	65	70	70	72	63	69	60	68	64	69
7	>90	81	77	79	77	80	75	70	74	66	72	70
8	>90	85	86	74	76	69	74	70	71	71	70	74
9	>90	79	76	79	67	82	70	72	66	74	70	75
10	>90	79	70	71	78	62	69	65	68	60	69	63
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions: RF IN: 900 MHz; 9.00 dBm.
LO IN: 960 MHz; +17.00 dBm
IF OUT: 60 MHz; 0.98 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.