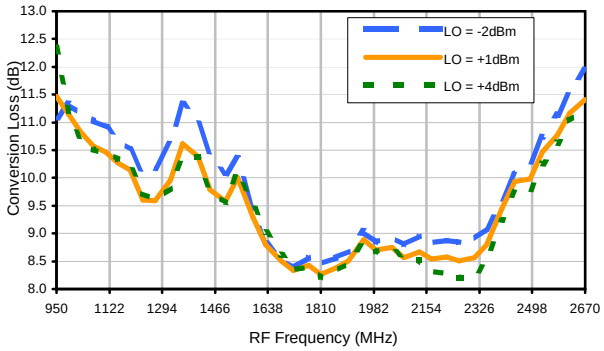
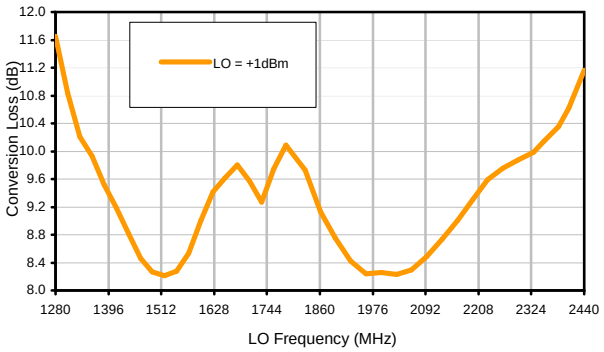
Typical Performance Curves

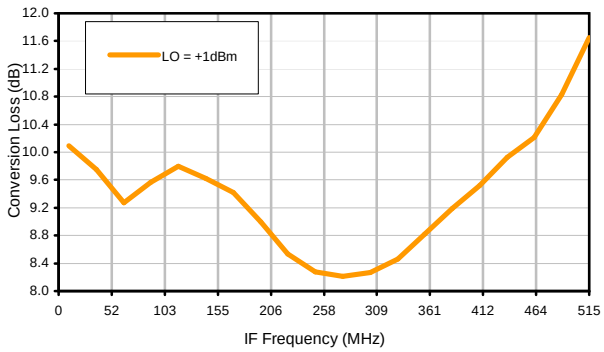
Conversion Loss @ IF=250MHz



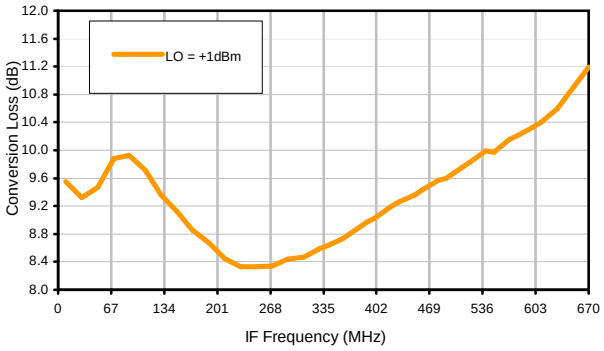
Conversion Loss vs. LO @ RF=1795.1MHz



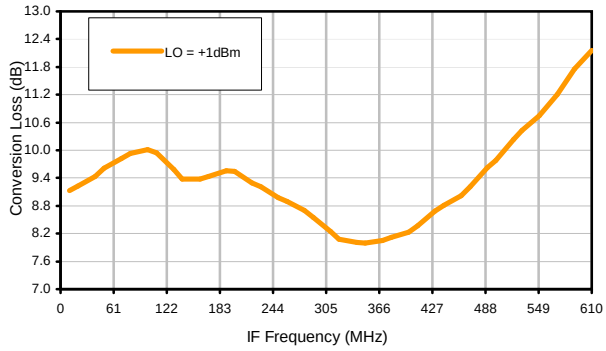
Conversion Loss vs. IF @ RF=1795.1MHz



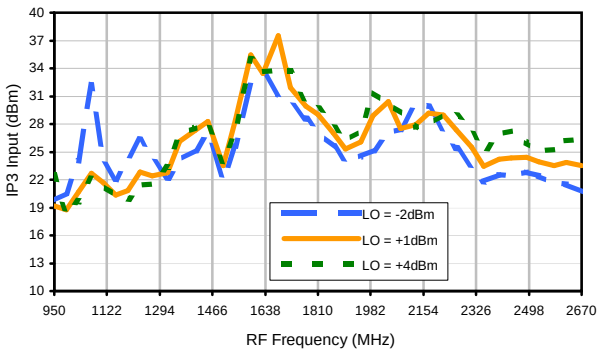
Conversion Loss vs. IF @ RF=1710.1MHz



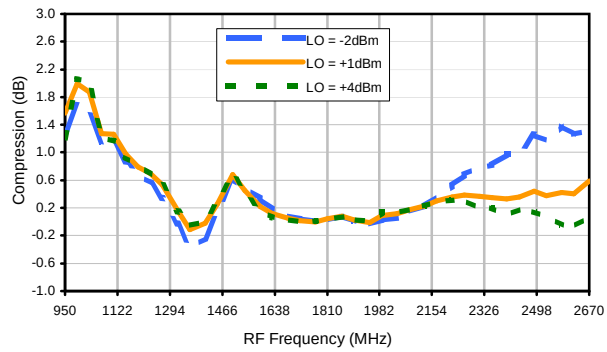
Conversion Loss vs. IF @ RF=1880.1MHz



IP3 Input

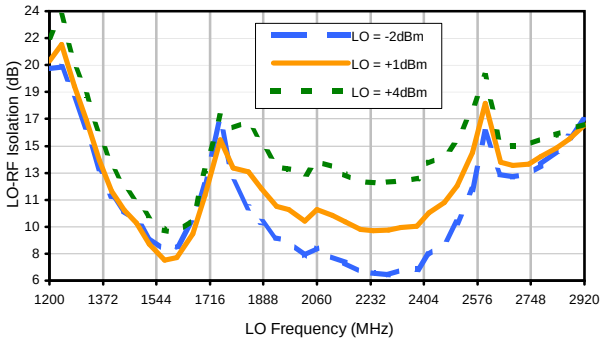


Compression @ RF IN=+15dBm

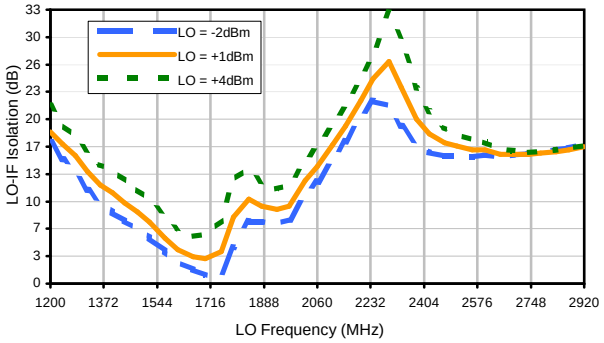


Typical Performance Curves

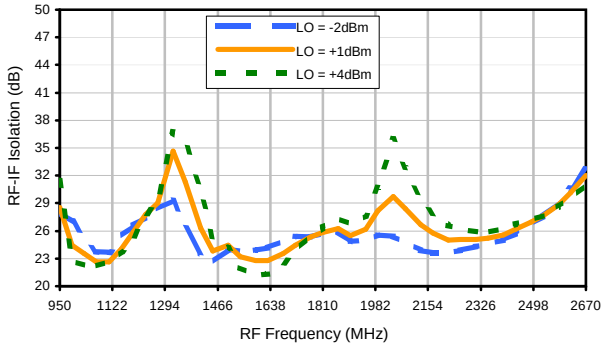
LO-RF Isolation



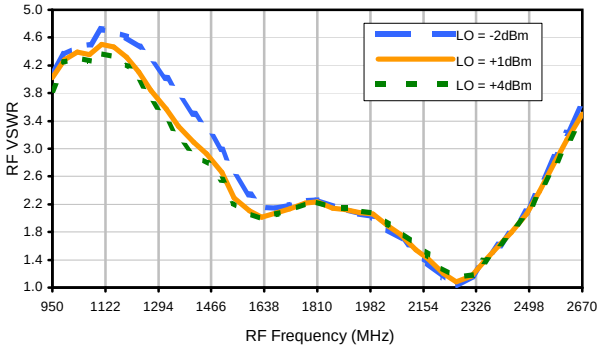
LO-IF Isolation



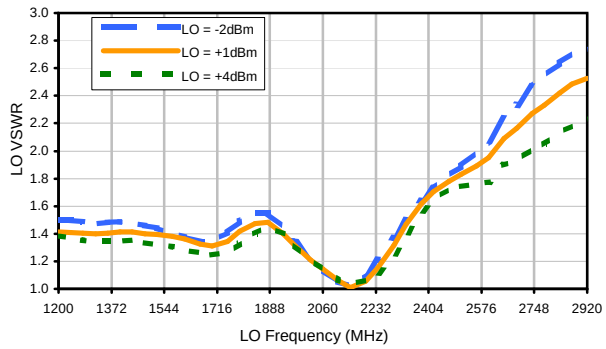
RF-IF Isolation



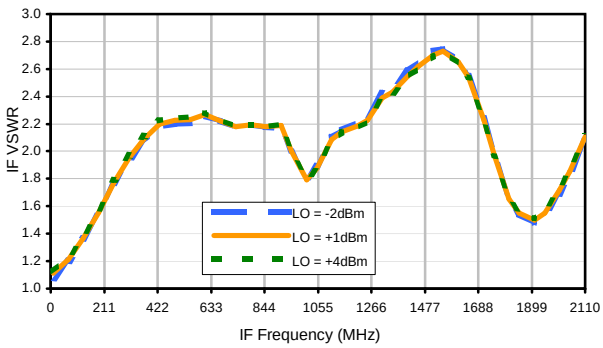
RF VSWR



LO VSWR



IF VSWR



Harmonics Tables

RF HARMONICS ORDER	(-dBm)	(-dBc)										
0	-	-	4	6	20	18	20	30	32	48	50	58
1	-	17	+0	25	32	42	55	47	46	51	69	69
2	58	53	56	46	68	53	67	76	62	71	75	80
3	>90	>82	82	75	61	>82	78	>82	>82	>82	>82	>82
4	>90	>82	>82	>82	81	>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: 1795 MHz; 0.00 dBm.
LO IN: 2045 MHz; +1.00 dBm
IF OUT: 250 MHz; -8.4 dBm

RF HARMONICS ORDER	(-dBm)	(-dBc)										
0	-	-	14	16	30	28	30	42	44	61	60	81
1	-	17	+0	25	33	42	54	49	46	51	70	69
2	38	44	46	36	76	45	61	68	54	65	69	75
3	66	65	69	63	45	69	59	73	84	74	77	>92
4	89	75	75	76	64	59	74	69	86	>92	82	74
5	>90	>92	87	>92	81	69	66	90	82	84	89	80
6	>90	79	>92	87	82	83	72	>92	84	87	88	>92
7	>90	>92	>92	>92	>92	>92	84	84	83	>92	>92	>92
8	>90	>92	>92	>92	>92	>92	>92	87	81	88	>92	>92
9	>90	>92	>92	>92	>92	>92	>92	>92	88	87	>92	>92
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: 1795 MHz; 10.00 dBm.
LO IN: 2045 MHz; +1.00 dBm
IF OUT: 250 MHz; 1.61 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.