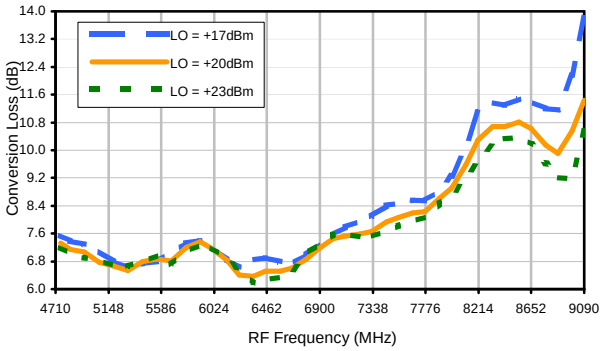
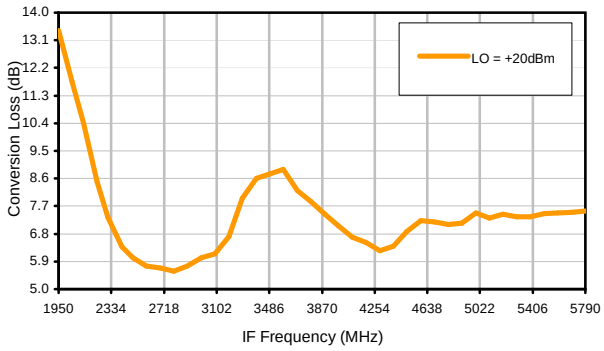
Typical Performance Curves

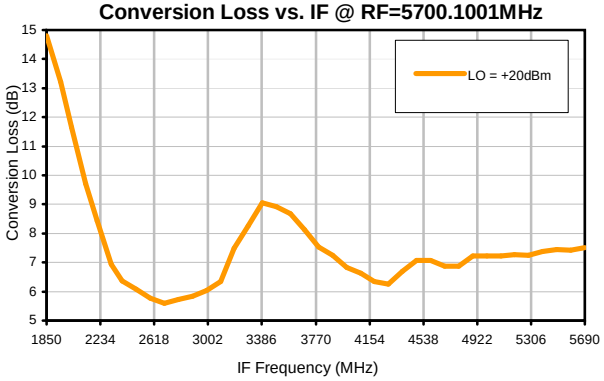
Conversion Loss @ IF=4700MHz



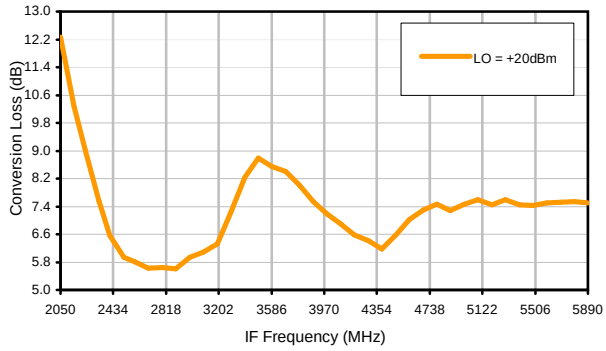
Conversion Loss vs. IF @ RF=5800.1001MHz



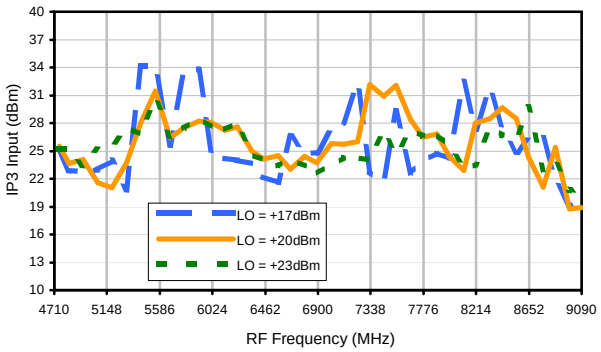
Conversion Loss vs. IF @ RF=5700.1001MHz



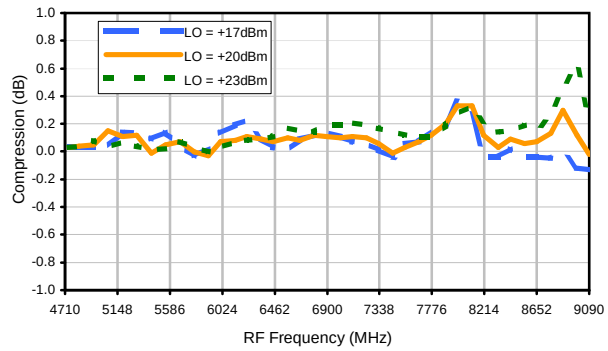
Conversion Loss vs. IF @ RF=5900.1001MHz



IP3 Input

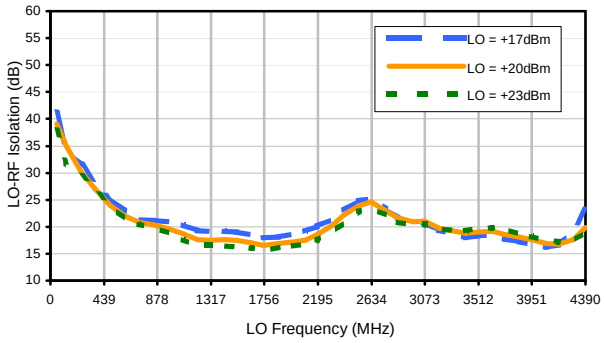


Compression @ RF IN=+10dBm

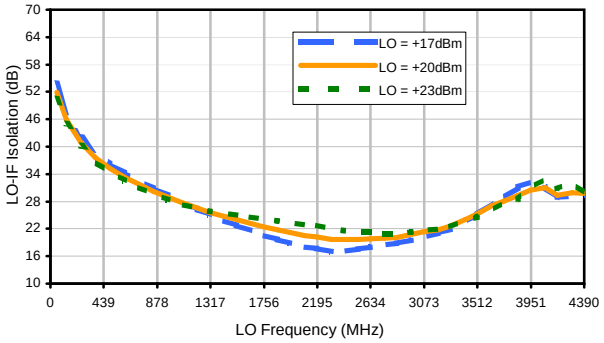


Typical Performance Curves

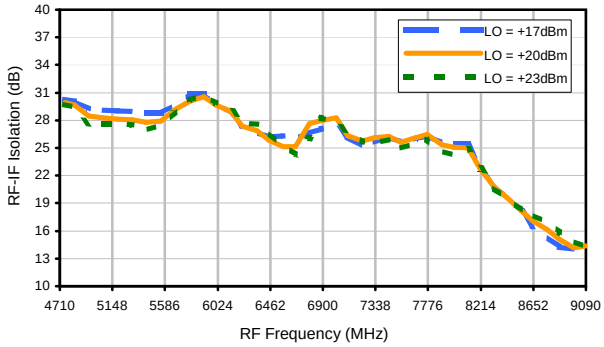
LO-RF Isolation



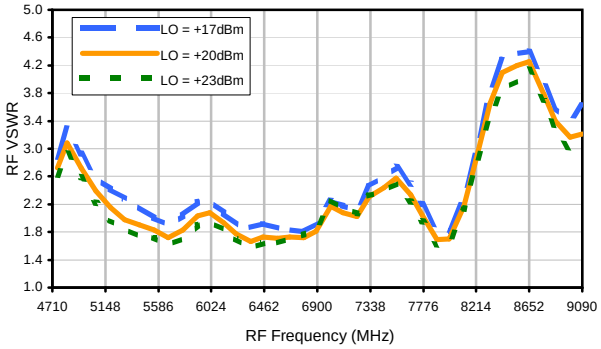
LO-IF Isolation



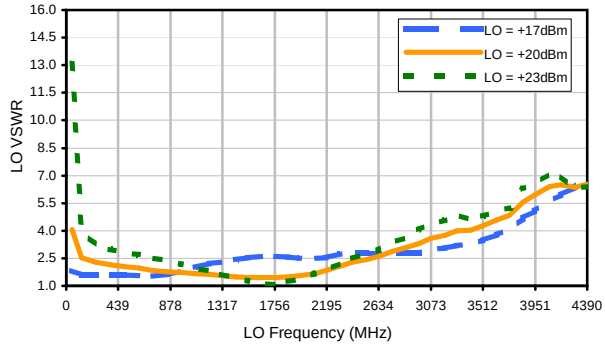
RF-IF Isolation



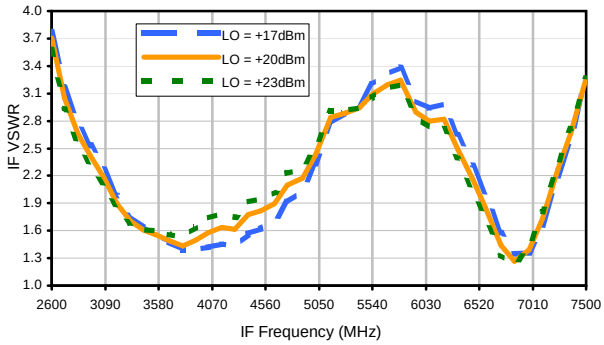
RF VSWR



LO VSWR



IF VSWR



Harmonics Tables

RF HARMONICS ORDER	(-dBm)	(-dBc)										
0	---	---	5.35	2.25	-8.99	3.64	-18.62	-2.25	-9.64	-14.16	-22.64	-13.14
1	---	-21.91	---	-32.93	-13.51	-39.10	-37.93	-52.02	-26.53	-54.09	-28.56	-44.70
2	-93.30	-52.60	-60.08	-56.41	-50.76	-64.57	-61.83	-54.02	-64.46	-46.36	-61.47	-63.79
3	-107.38	-86.94	-93.77	-92.23	-89.52	-75.70	-81.39	-84.99	-92.60	-78.31	-76.44	-83.19
4	-103.53	-96.31	-97.46	-98.37	-97.78	-98.90	-99.51	-99.04	-100.91	-101.76	-103.38	-103.03
5	-103.15	-74.54	-74.81	-96.78	-95.36	-93.73	-98.03	-99.65	-95.74	-99.00	-100.95	-98.85
6	-103.45	-74.83	-74.64	-74.69	-75.17	-75.42	-75.56	-75.78	-75.88	-96.87	-96.64	-95.65
7	-101.74	-74.32	-74.47	-74.61	-75.13	-75.61	-75.08	-75.72	-75.75	-76.34	-75.71	-76.36
8	-101.59	-74.41	-75.13	-75.08	-75.32	-75.27	-75.22	-76.03	-76.06	-76.14	-75.81	-76.23
9	-101.01	-74.16	-74.92	-75.00	-75.19	-75.39	-75.30	-75.95	-75.61	-75.98	-76.14	-76.37
10	-103.37	-74.70	-75.12	-75.18	-75.40	-75.31	-75.54	-76.34	-76.39	-75.77	-76.42	-75.67
	RF CAL	**0**	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**

Test conditions: **RF IN: 5780 MHz; -5 dBm.**
LO IN: 1080 MHz; +20.00 dBm
IF OUT: 47000 MHz; -12.24 dBm

RF HARMONICS ORDER	(-dBm)	(-dBc)										
0	---	---	-4.01	-6.66	-18.02	-6.11	-29.63	-12.71	-20.69	-24.78	-32.95	-24.50
1	---	-21.38	---	-32.56	-12.18	-39.18	-37.72	-51.84	-27.04	-47.40	-30.86	-48.40
2	-83.63	-42.26	-50.33	-46.49	-40.78	-56.99	-52.30	-45.25	-53.23	-32.16	-52.91	-54.74
3	-116.90	-66.37	-73.75	-74.42	-69.70	-55.27	-60.36	-66.14	-70.04	-60.12	-58.90	-63.31
4	-113.47	-96.77	-87.45	-94.59	-91.33	-104.18	-90.22	-89.24	-89.67	-83.36	-78.04	-76.91
5	-112.55	-89.25	-89.07	-105.30	-102.14	-103.87	-106.84	-107.13	-105.96	-109.00	-108.40	-108.76
6	-113.76	-88.06	-88.21	-88.84	-88.57	-89.12	-88.99	-88.67	-88.47	-104.79	-102.46	-107.83
7	-112.43	-89.15	-87.70	-88.67	-88.59	-88.67	-89.12	-89.29	-88.66	-88.91	-88.50	-88.84
8	-112.83	-89.33	-88.94	-88.19	-88.33	-88.62	-88.66	-88.95	-88.66	-88.26	-88.19	-89.15
9	-114.73	-89.04	-88.66	-88.26	-88.30	-88.42	-88.63	-89.05	-88.26	-88.76	-88.17	-88.73
10	-114.05	-88.35	-88.19	-88.50	-88.32	-89.49	-88.62	-88.70	-89.82	-88.79	-89.30	-87.77
	RF CAL	**0**	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**

LO HARMONICS ORDER

Test conditions: **RF IN: 5780 MHz; +5 dBm.**
LO IN: 1080 MHz; +20.00 dBm
IF OUT: 47000 MHz; -2.53 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.