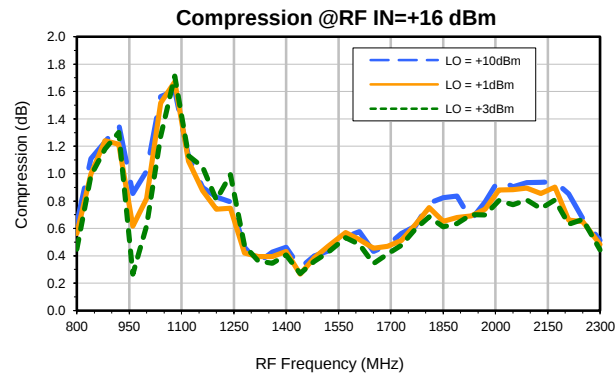
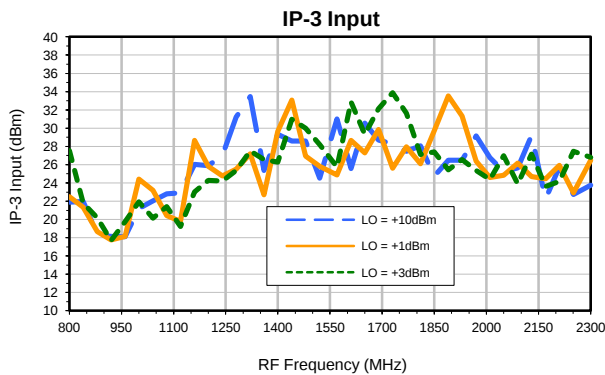
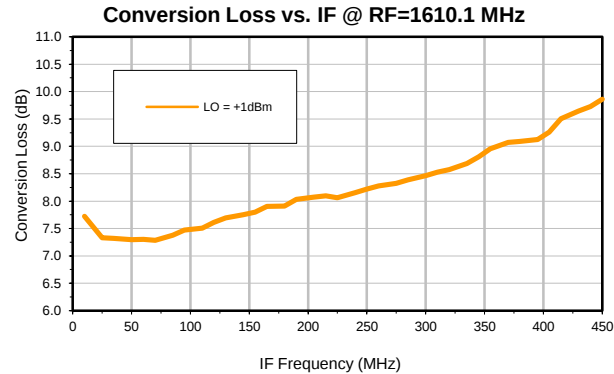
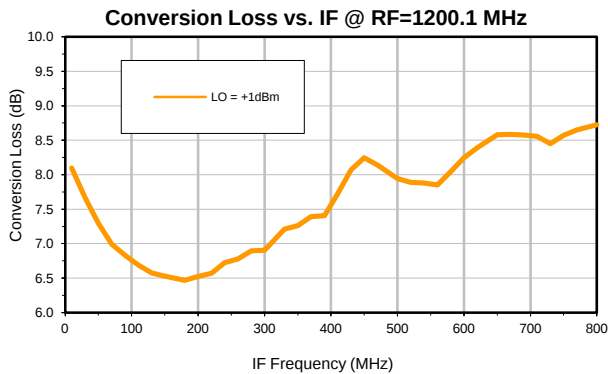
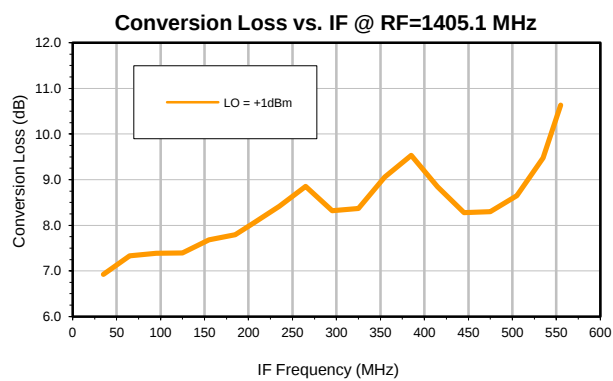
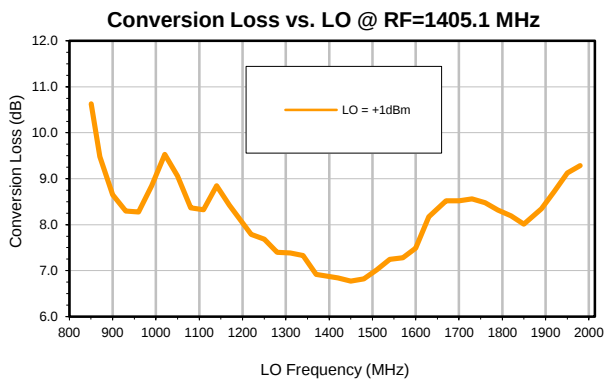
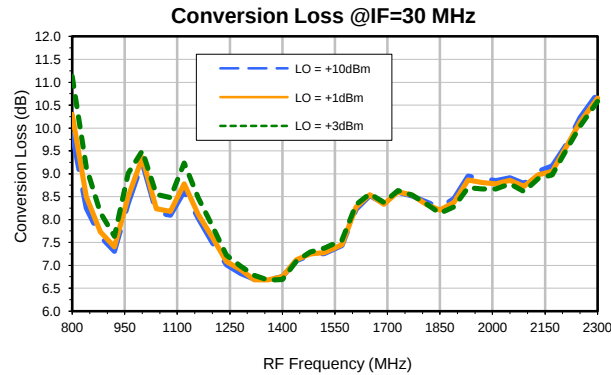


Frequency Mixer

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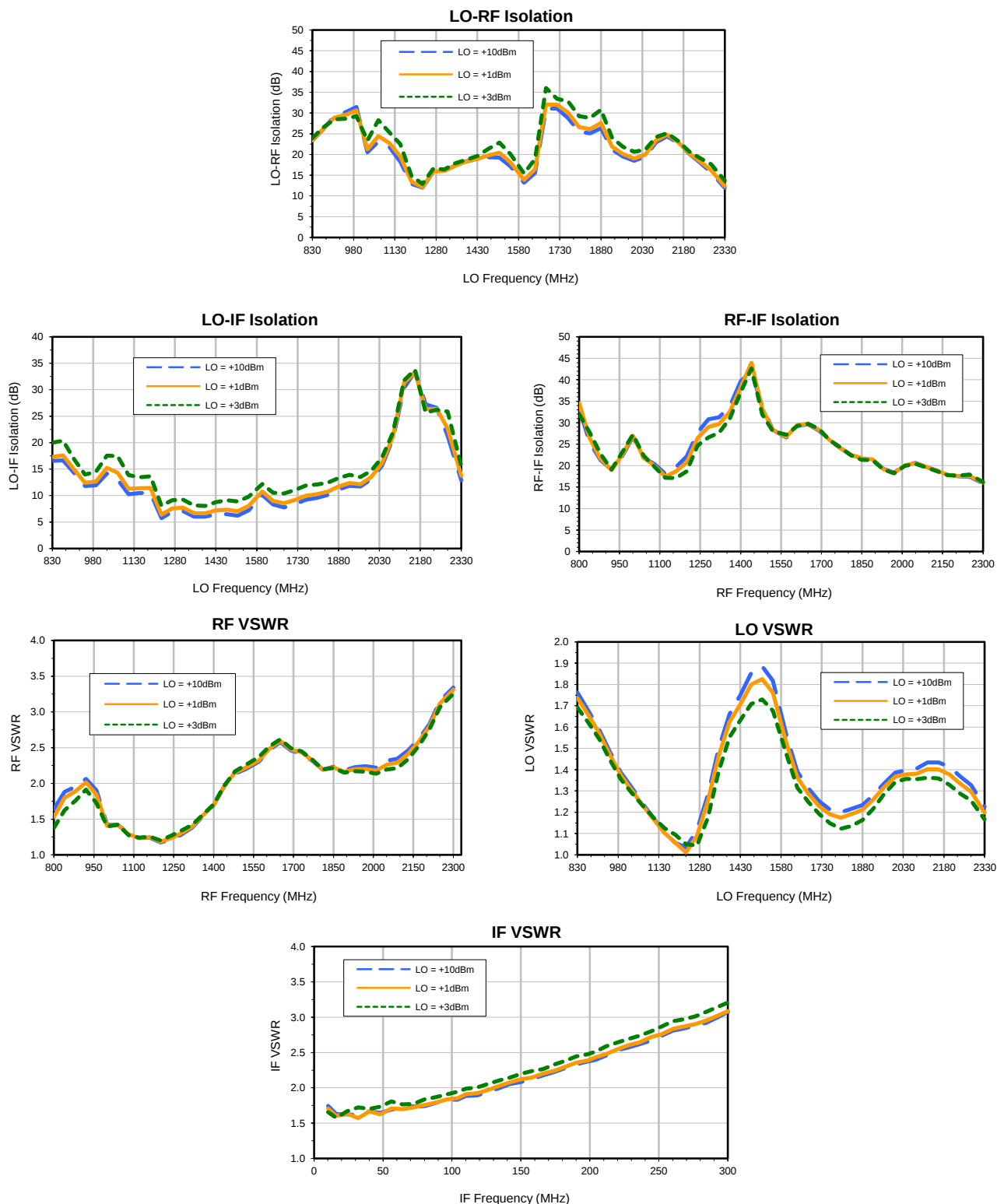
Typical Performance Curves



Frequency Mixer

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Typical Performance Curves



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Harmonics Tables

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	---	---	-10.55	-3.77	25.82	13.25	18.27	24.04	23.71	21.59	25.68	30.30
1	---	28.78	---	19.97	21.26	44.98	34.47	47.98	50.33	47.27	47.46	59.61
2	106.83	59.73	64.95	54.26	60.25	60.80	75.89	66.99	85.65	86.22	80.28	78.98
3	125.91	98.68	88.75	88.78	82.24	99.34	94.62	103.69	102.44	103.52	108.55	99.95
4	127.71	108.17	108.19	107.20	110.29	105.34	110.72	107.45	107.75	109.88	107.05	108.09
5	126.58	108.26	108.59	104.28	108.66	109.53	108.00	110.48	106.72	110.11	108.88	110.47
6	127.55	107.56	107.56	108.90	108.52	108.50	108.28	110.40	109.68	108.51	108.94	109.37
7	125.53	108.71	108.99	110.18	109.37	110.20	106.61	110.28	109.52	108.86	105.67	110.07
8	126.20	108.43	110.40	108.87	109.79	107.83	107.47	107.18	109.46	104.06	109.17	108.28
9	126.49	108.44	108.27	108.77	107.20	109.96	109.30	106.94	108.98	94.43	111.30	96.74
10	123.25	106.06	106.68	105.57	107.57	109.18	109.57	109.37	110.60	109.97	108.84	111.18
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions:

RF IN: 1405 MHz; -10 dBm.
LO IN: 1435 MHz; 0 dBm
IF OUT: 30 MHz; -16.58 dBm

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	---	---	-0.57	6.18	35.56	23.36	27.98	34.03	33.30	31.92	35.83	40.33
1	---	28.90	---	19.96	21.27	44.71	34.37	48.88	50.84	47.43	47.82	60.93
2	93.03	49.67	55.87	44.41	50.25	50.91	66.28	57.05	74.90	75.75	69.21	69.83
3	124.80	79.50	68.78	69.85	61.43	77.75	71.85	83.52	80.79	84.03	89.76	80.70
4	125.45	108.75	105.41	89.81	90.57	79.28	93.19	88.59	95.10	98.07	100.02	113.20
5	124.53	116.02	108.54	112.06	101.99	103.14	90.58	103.06	101.12	105.77	110.62	114.81
6	122.33	116.73	116.88	111.33	115.81	114.62	109.73	108.59	113.84	112.98	115.93	115.58
7	123.63	116.51	116.62	116.76	115.76	117.93	115.78	117.92	111.75	116.23	114.22	118.49
8	122.98	116.68	117.76	117.50	117.49	115.48	115.67	117.89	118.36	110.32	116.85	116.44
9	123.02	114.19	118.04	117.05	117.83	116.53	117.44	115.43	114.44	96.87	112.47	98.02
10	121.41	114.77	115.09	117.13	118.17	117.46	115.83	118.01	117.64	115.82	116.78	118.96
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions:

RF IN: 1405 MHz; 0 dBm.
LO IN: 1435 MHz; +1 dBm
IF OUT: 30 MHz; -6.69 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 represents the Harmonics level of the RF Input Signal to the mixer