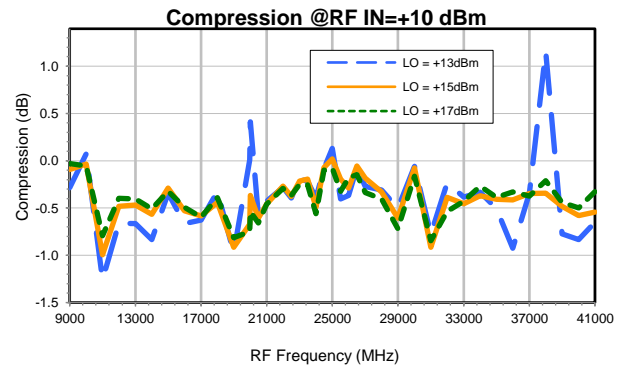
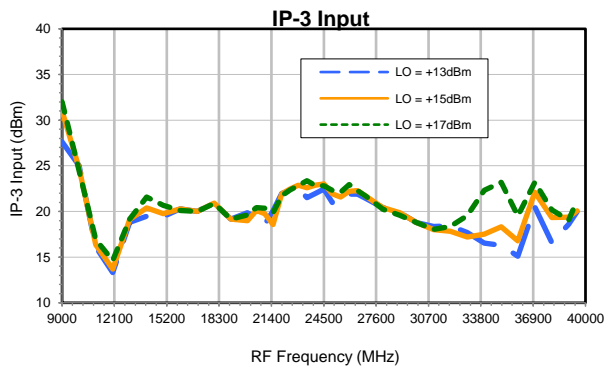
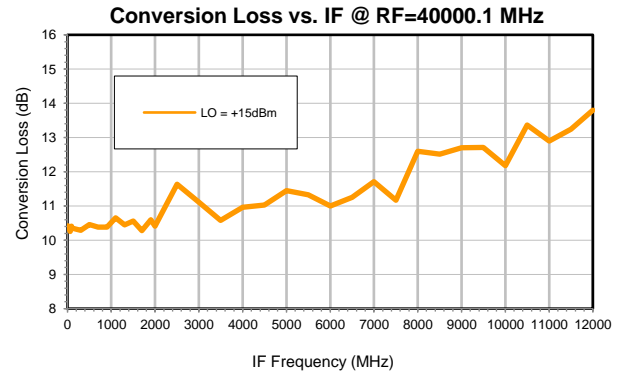
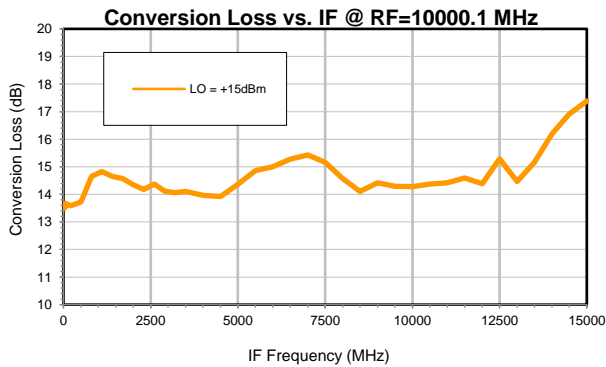
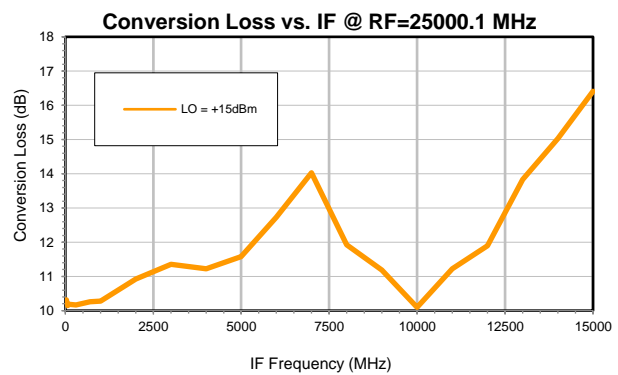
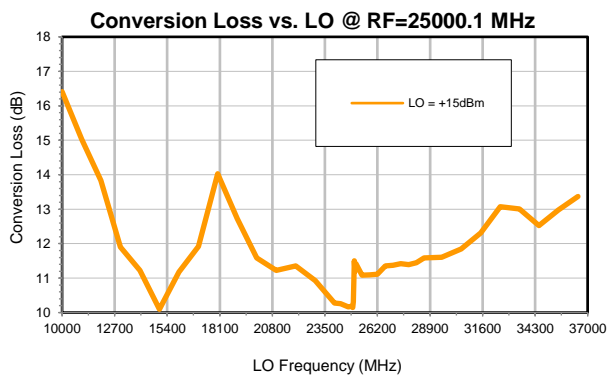
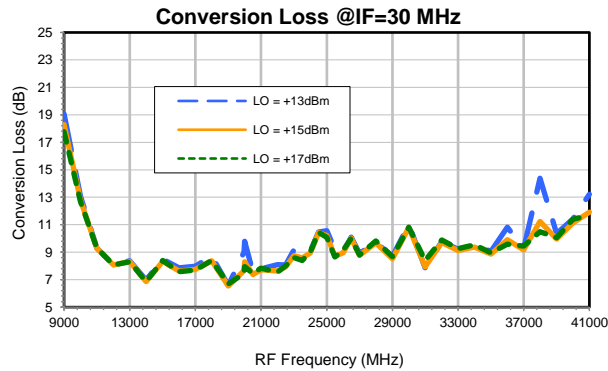


Frequency Mixer

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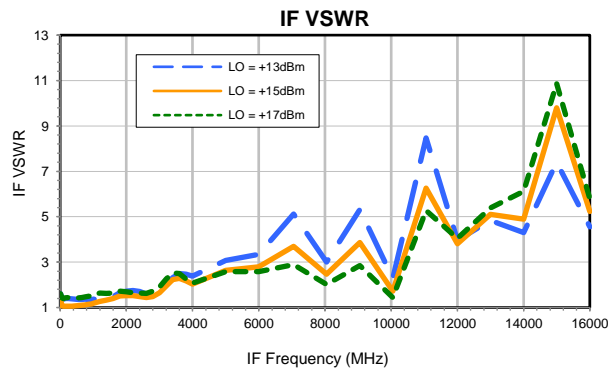
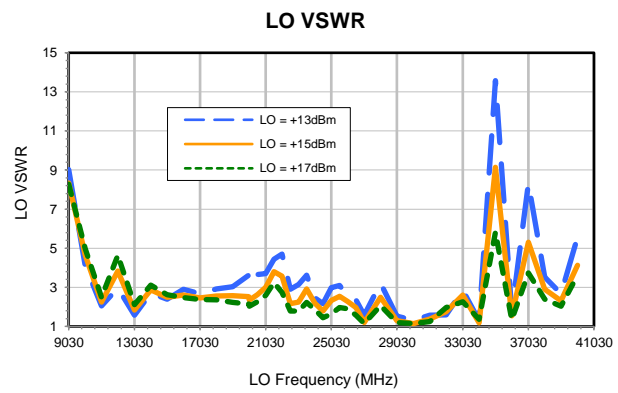
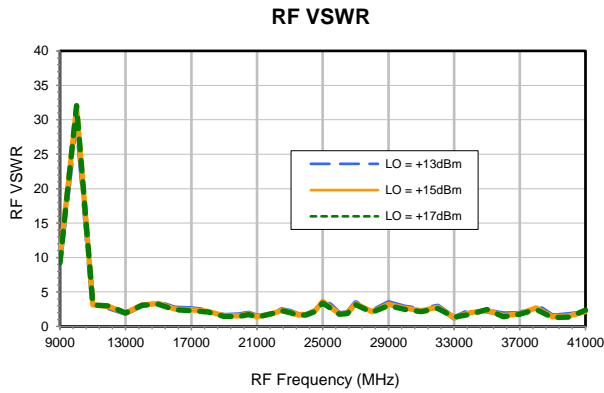
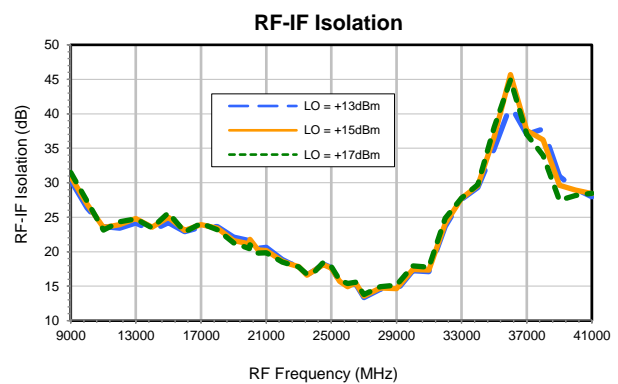
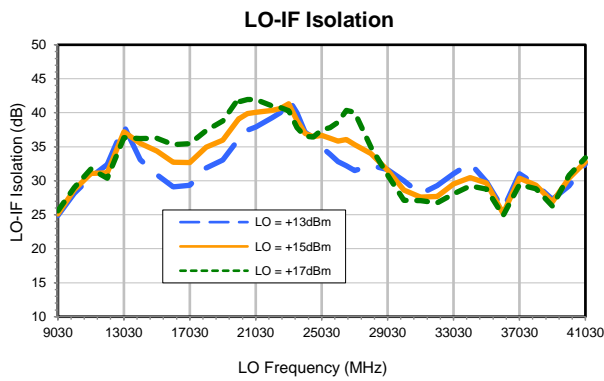
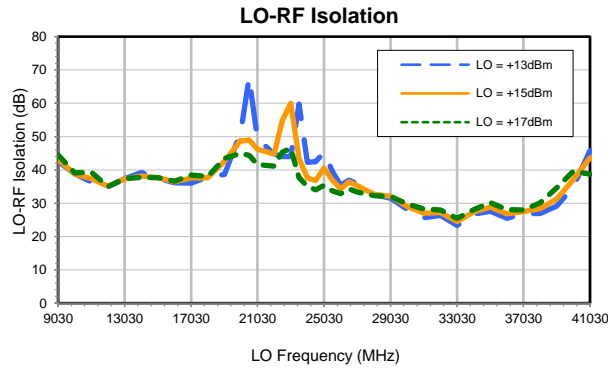
IF/RF MICROWAVE COMPONENTS

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Harmonics Tables

RF HARMONICS ORDER

RF CAL Notes: 1. All Harmonics are relative to IF OUTPUT (dBm)
2. + entry denotes harmonics above IF OUTPUT (dBm)

	(-dBm)	(-dBc)												
0	---	-	(-dBc)	---	---	---	---	---	---	---	---	---	---	---
1	---	7.39	-	32.80	---	---	---	---	---	---	---	---	---	---
2	72.64	56.26	64.72	46.82	61.82	---	---	---	---	---	---	---	---	---
3	---	---	66.60	78.24	60.63	86.38	---	---	---	---	---	---	---	---
4	---	---	---	71.66	83.77	94.62	86.24	---	---	---	---	---	---	---
5	---	---	---	---	69.87	83.54	97.41	86.06	---	---	---	---	---	---
6	---	---	---	---	---	72.41	85.73	99.48	87.34	---	---	---	---	---
7	---	---	---	---	---	---	72.93	87.31	100.36	88.59	---	---	---	---
8	---	---	---	---	---	---	---	72.25	85.79	97.16	87.15	---	---	---
9	---	---	---	---	---	---	---	---	69.34	84.65	102.43	88.30	---	---
10	---	---	---	---	---	---	---	---	---	---	71.24	85.70	100.17	---
		0	1	2	3	4	5	6	7	8	9	10		

LO HARMONICS ORDER

Test conditions: RF IN: 25000 MHz; 0.00 dBm.
LO IN: 25030 MHz; +15.00 dBm
IF OUT: 30.00 MHz; -11.60 dBm

RF HARMONICS ORDER

RF CAL Notes: 1. All Harmonics are relative to IF OUTPUT (dBm)
2. + entry denotes harmonics above IF OUTPUT (dBm)

	(-dBm)	(-dBc)												
0	---	-	19.09	---	---	---	---	---	---	---	---	---	---	---
1	---	6.83	-	32.03	---	---	---	---	---	---	---	---	---	---
2	63.05	46.23	52.68	36.70	51.52	---	---	---	---	---	---	---	---	---
3	---	---	45.21	57.90	40.42	64.21	---	---	---	---	---	---	---	---
4	---	---	---	70.32	85.31	67.96	69.04	---	---	---	---	---	---	---
5	---	---	---	---	70.65	85.46	62.06	85.51	---	---	---	---	---	---
6	---	---	---	---	---	70.64	87.70	83.19	86.24	---	---	---	---	---
7	---	---	---	---	---	---	71.39	86.95	78.90	87.96	---	---	---	---
8	---	---	---	---	---	---	---	71.72	83.74	90.74	86.75	---	---	---
9	---	---	---	---	---	---	---	---	71.87	87.89	90.09	87.76	---	---
10	---	---	---	---	---	---	---	---	---	---	72.22	86.41	99.99	---
		0	1	2	3	4	5	6	7	8	9	10		

LO HARMONICS ORDER

Test conditions: RF IN: 25000 MHz; 10.0 dBm.
LO IN: 25030 MHz; +15.00 dBm
IF OUT: 30.00 MHz; -1.64 dBm

