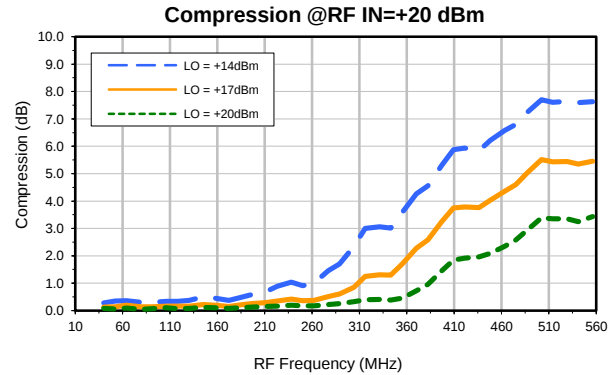
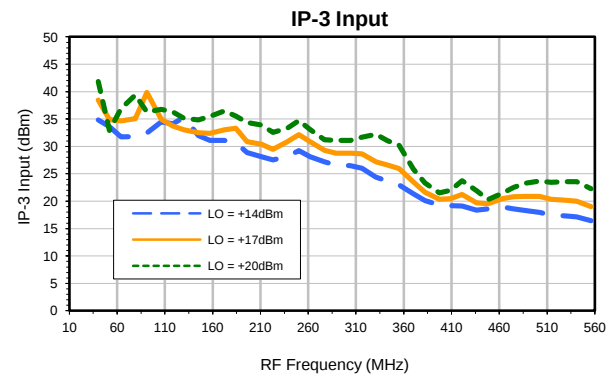
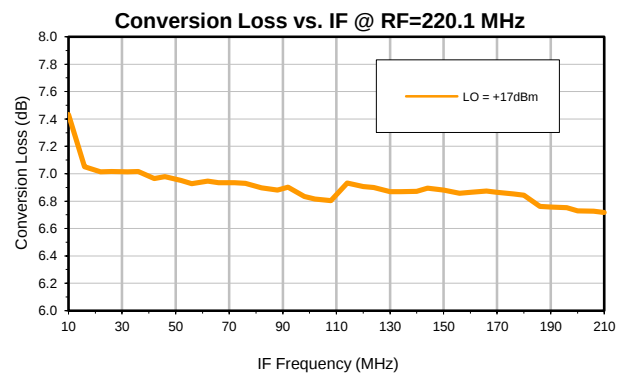
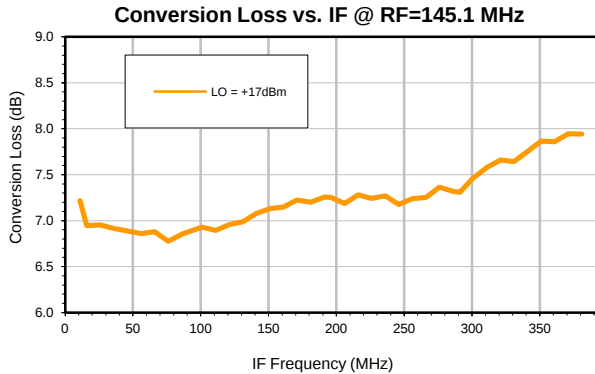
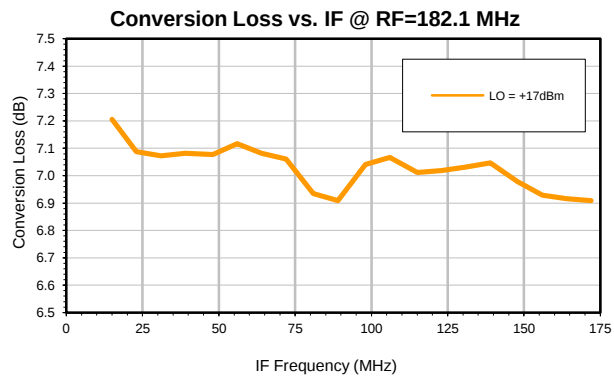
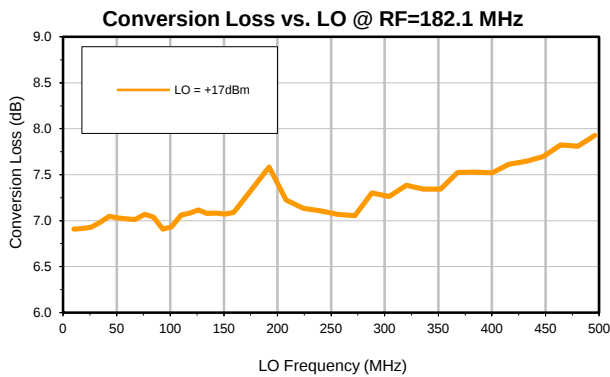
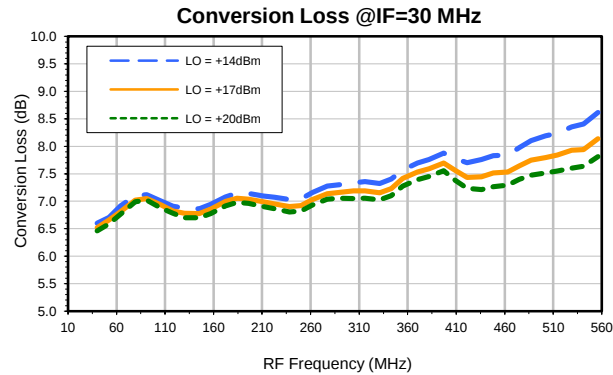


Frequency Mixer

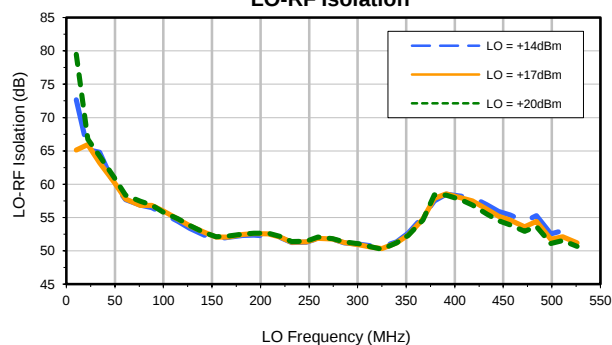
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Typical Performance Curves

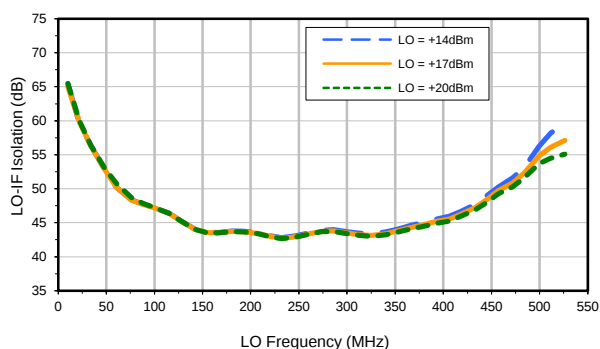


Typical Performance Curves

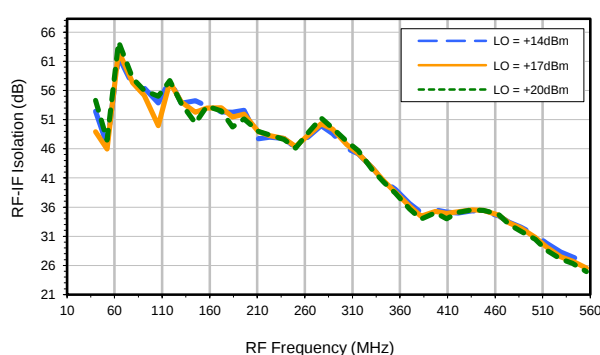
LO-RF Isolation



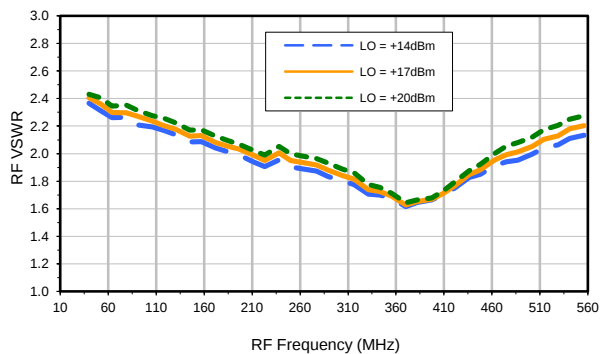
LO-IF Isolation



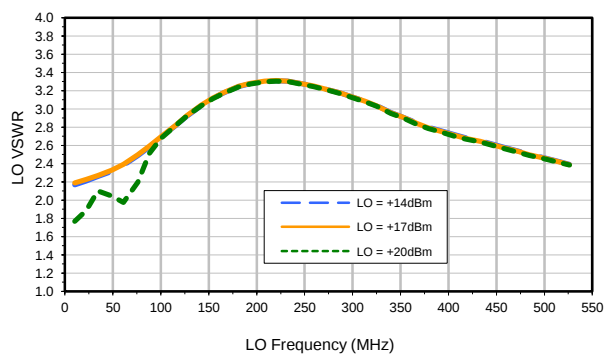
RF-IF Isolation



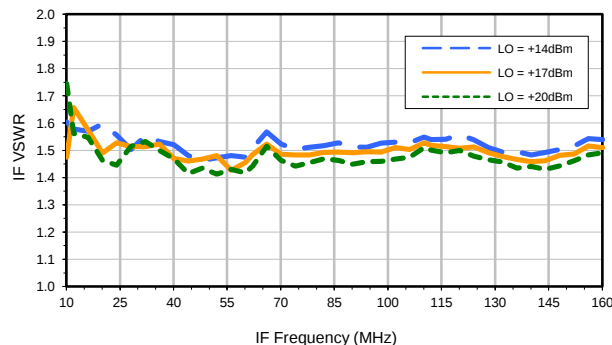
RF VSWR



LO VSWR



IF VSWR



Harmonics Tables

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	---	---	17.16	35.04	43.12	41.75	38.25	33.50	42.64	35.38	51.62	39.99
1	---	44.24	---	60.75	9.90	61.44	15.41	54.30	19.01	67.21	24.50	72.62
2	104.19	55.42	62.67	57.33	85.33	57.51	68.55	55.62	67.47	54.54	71.45	56.28
3	112.54	78.77	78.21	81.76	70.12	80.53	67.36	79.80	61.06	79.18	60.42	78.28
4	121.67	89.49	95.69	90.84	97.46	90.63	116.04	94.52	97.23	87.71	92.86	85.19
5	121.38	88.98	84.53	89.35	81.22	89.37	86.89	89.85	86.90	89.39	80.60	88.44
6	120.63	100.59	115.09	97.42	115.19	94.42	114.46	90.24	105.37	102.10	110.63	103.41
7	122.71	104.72	92.65	101.92	90.14	101.92	89.61	100.88	90.87	102.93	90.90	102.46
8	122.31	118.46	116.92	113.45	115.31	107.74	117.71	103.91	115.81	94.37	117.37	95.72
9	121.37	115.06	109.70	115.56	104.28	112.74	105.14	114.09	101.68	110.57	99.85	114.33
10	121.61	117.97	117.84	115.84	119.32	118.28	115.01	117.40	116.19	118.49	116.82	113.37
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions: RF IN: 183 MHz; 0 dBm.
LO IN: 153 MHz; +17.00 dBm
IF OUT: 30 MHz; - 7.06 dBm

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	---	---	21.10	28.50	41.10	39.13	43.08	38.87	50.06	41.73	64.38	44.81
1	---	30.34	---	49.77	10.11	55.83	15.97	52.68	20.36	76.89	26.59	69.31
2	93.53	45.66	50.51	46.77	58.16	47.37	57.40	47.06	62.36	47.41	72.41	51.43
3	103.31	72.32	56.63	74.11	50.90	73.81	47.66	71.80	43.74	70.21	42.51	81.52
4	107.59	68.35	67.68	69.64	65.20	71.54	66.62	70.59	64.77	65.55	65.90	63.39
5	105.17	84.32	68.45	85.14	75.46	84.50	67.95	84.45	65.32	82.27	69.65	80.76
6	106.43	78.97	86.02	80.81	82.47	80.38	82.00	84.91	82.49	86.88	80.49	82.69
7	106.21	87.81	77.24	86.22	80.64	87.78	81.17	86.28	79.09	85.70	80.05	85.11
8	106.72	92.20	104.83	90.77	115.60	89.82	99.99	89.83	99.49	94.36	97.50	93.15
9	106.96	96.19	86.01	94.03	85.12	91.36	79.96	91.52	83.44	90.65	82.97	90.15
10	107.62	109.13	101.78	110.74	99.69	106.38	96.15	99.92	97.74	100.29	97.03	105.82
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions: RF IN: 183 MHz; 10 dBm.
LO IN: 153 MHz; +17.00 dBm
IF OUT: 30 MHz; 2.73 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