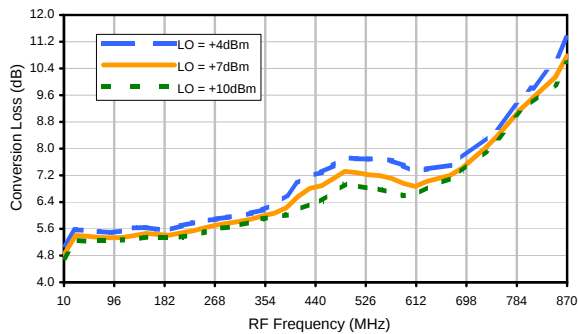


Frequency Mixer

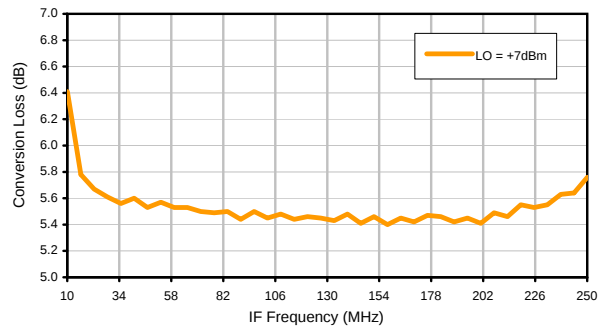
SRA-1-1+

Typical Performance Curves

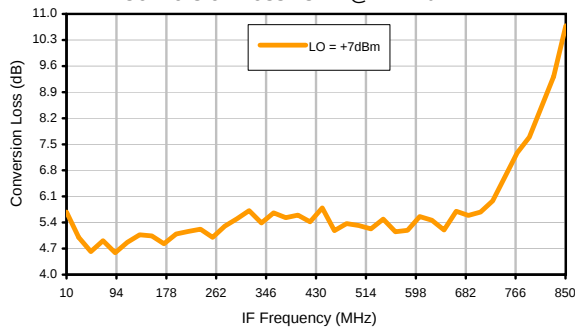
Conversion Loss @ IF=30MHz



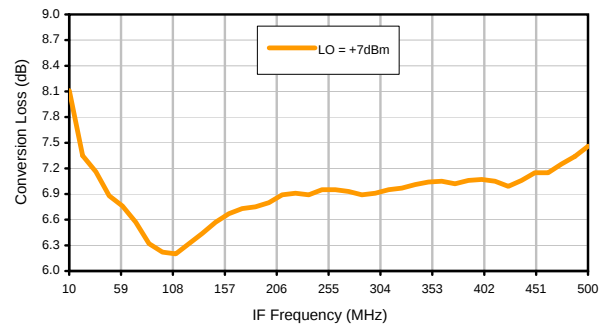
Conversion Loss vs. IF @ RF=260.1MHz



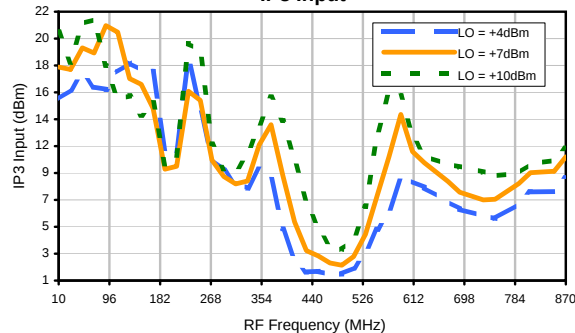
Conversion Loss vs. IF @ RF=10.1MHz



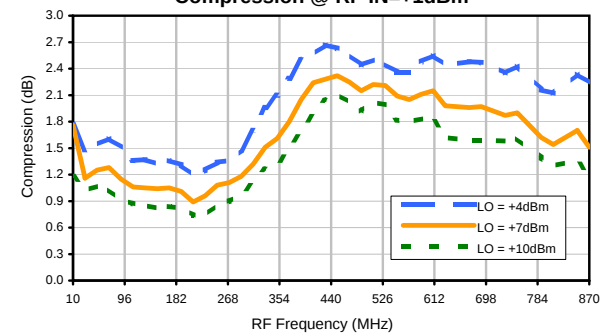
Conversion Loss vs. IF @ RF=510.1MHz



IP3 Input



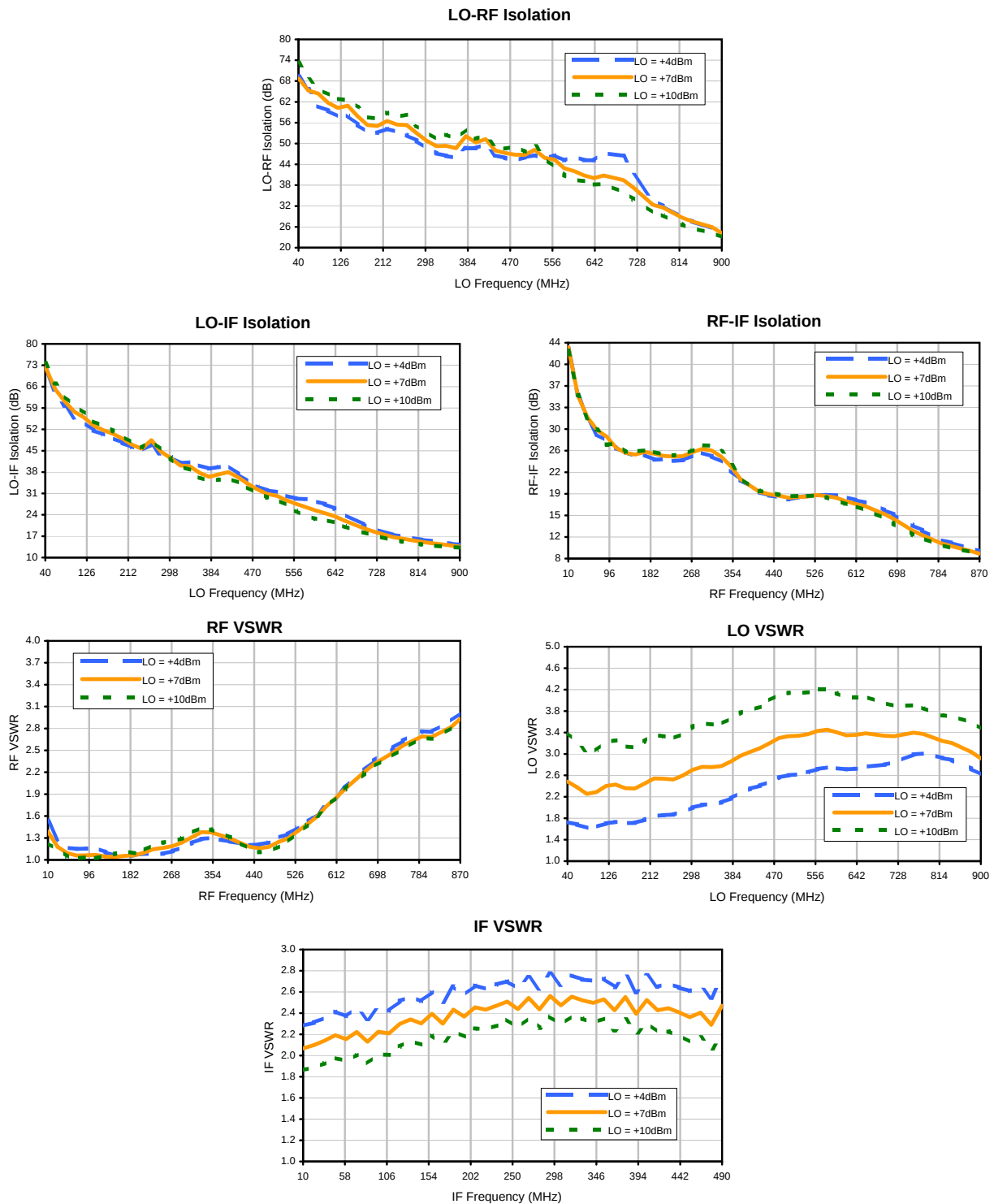
Compression @ RF IN=+1dBm



Frequency Mixer

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Typical Performance Curves



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Frequency Mixer

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Harmonics Tables

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	17	35	15	29	16	39	35	62	54	62
1	-	20	+0	30	11	30	23	42	38	53	46	51
2	>90	62	57	62	63	60	>70	>70	57	68	64	>70
3	>90	>70	60	>70	61	69	58	>70	>70	>70	70	>70
4	>90	>70	>70	>70	>70	>70	>70	>70	>70	>70	>70	>70
5	>90	>70	>70	>70	>70	>70	>70	>70	>70	>70	>70	>70
6	>90	>70	>70	>70	>70	>70	>70	>70	>70	>70	>70	>70
7	>90	>70	>70	>70	>70	>70	>70	>70	>70	>70	>70	>70
8	>90	>70	>70	>70	>70	>70	>70	>70	>70	>70	>70	>70
9	>90	>70	>70	>70	>70	>70	>70	>70	>70	>70	>70	>70
10	>90	>70	>70	>70	>70	>70	>70	>70	>70	>70	>70	>70
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

Test conditions: RF IN: 250 MHz; -14.00 dBm.
LO IN: 280 MHz; +7.00 dBm
IF OUT: 30 MHz; -19.81 dBm

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	27	47	26	40	27	51	52	68	71	>80
1	-	21	+0	30	12	32	26	46	39	64	51	65
2	73	55	47	56	54	52	58	66	51	61	62	78
3	>90	50	39	49	39	50	37	50	49	59	54	64
4	>90	>80	66	>80	69	72	77	69	66	74	64	76
5	>90	71	65	64	53	72	53	76	57	72	66	73
6	>90	>80	>80	>80	>80	77	>80	76	>80	>80	79	>80
7	>90	>80	>80	>80	77	71	65	74	66	73	64	74
8	>90	>80	>80	>80	>80	>80	>80	>80	>80	>80	>80	>80
9	>90	>80	>80	>80	>80	>80	>80	>80	>80	>80	77	>80
10	>90	>80	>80	>80	>80	>80	>80	>80	>80	>80	>80	>80
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

Test conditions: RF IN: 250 MHz; -4.00 dBm.
LO IN: 280 MHz; +7.00 dBm
IF OUT: 30 MHz; -9.86 dBm

LO HARMONICS ORDER

- 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.

