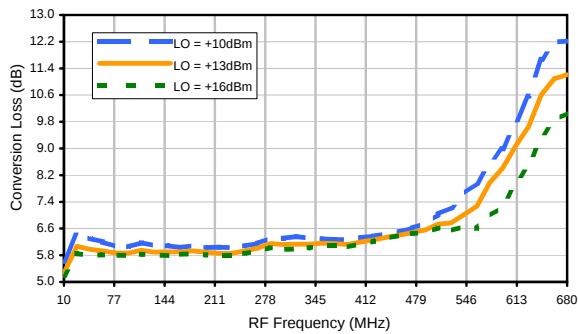


Frequency Mixer

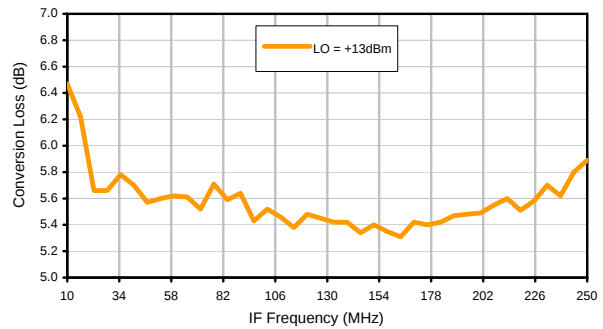
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Typical Performance Curves

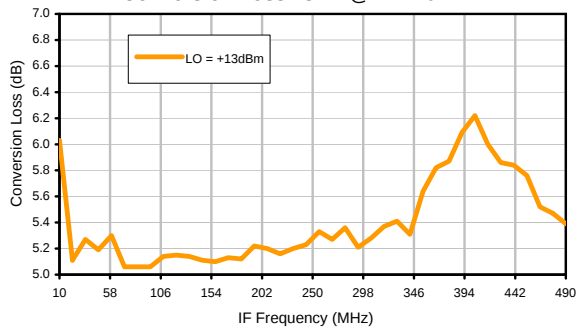
Conversion Loss @ IF=30MHz



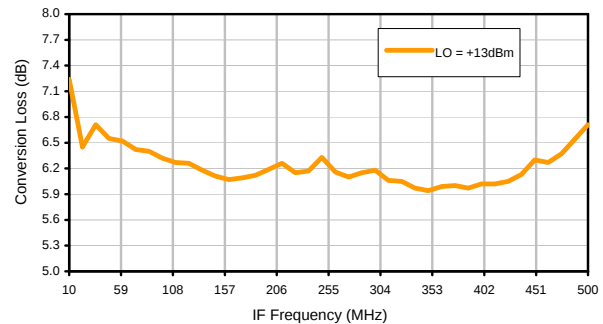
Conversion Loss vs. IF @ RF=260.1MHz



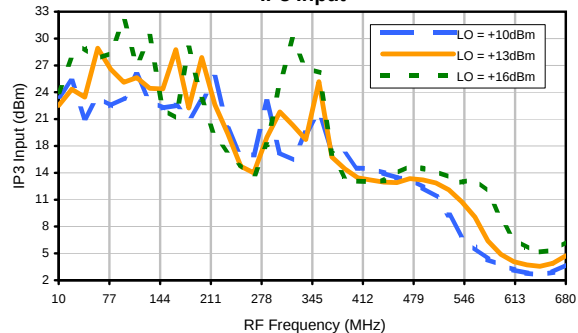
Conversion Loss vs. IF @ RF=10.1MHz



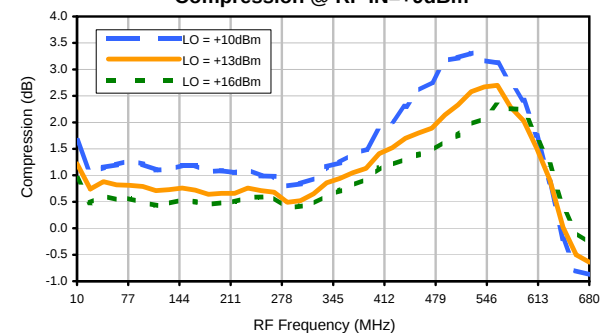
Conversion Loss vs. IF @ RF=510.1MHz



IP3 Input



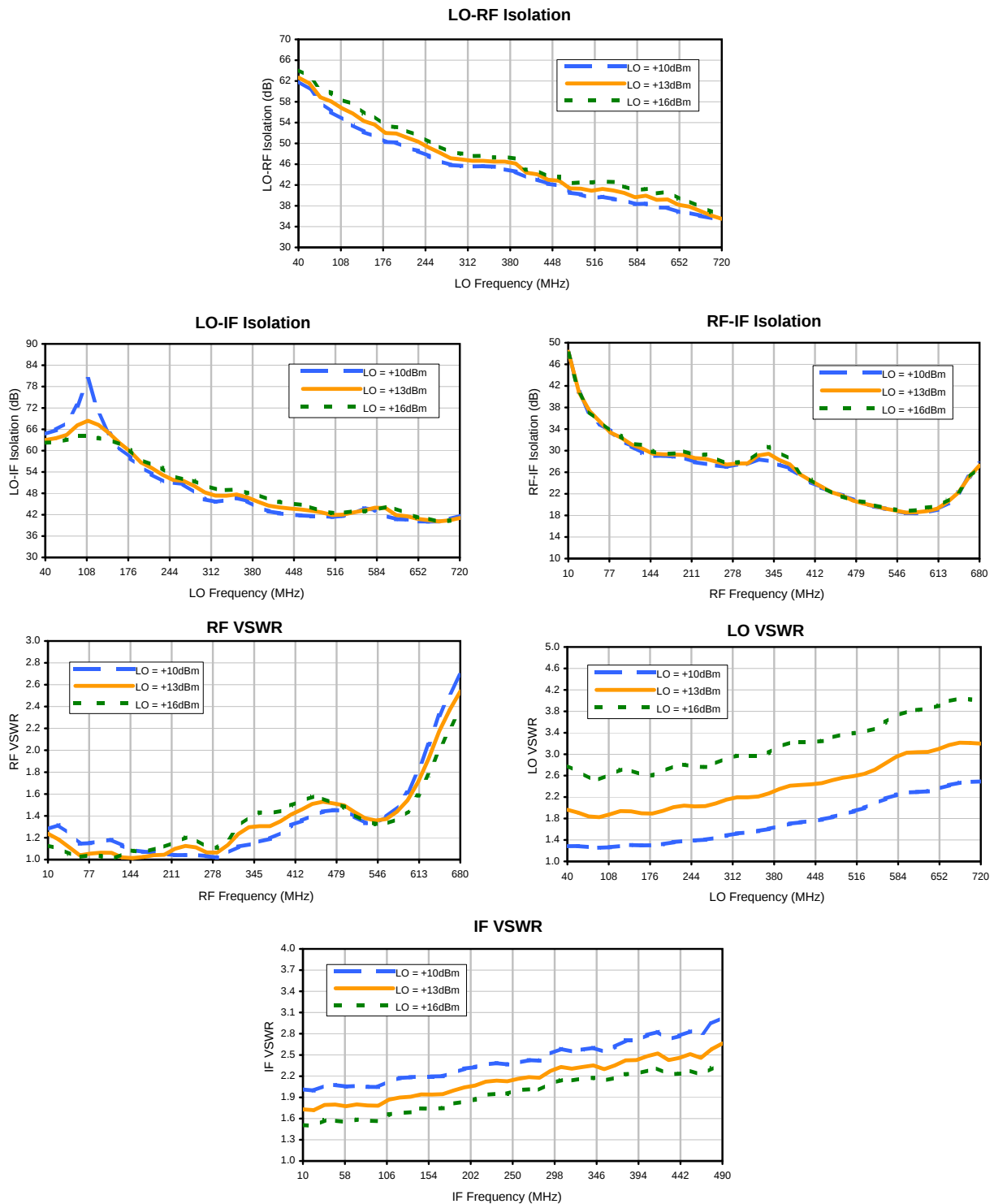
Compression @ RF IN=+9dBm



Frequency Mixer

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Typical Performance Curves



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Harmonics Tables

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	33	53	46	47	39	57	43	53	48	62
1	-	22	+0	32	12	44	17	40	40	60	38	58
2	58	61	59	63	63	68	62	62	53	67	57	68
3	84	53	39	54	39	56	39	54	41	52	54	60
4	>90	72	82	76	80	78	85	76	79	77	67	78
5	>90	68	50	64	56	62	58	62	52	58	51	76
6	>90	>88	80	84	80	81	86	84	85	84	87	>88
7	>90	83	74	71	58	69	58	72	60	72	59	67
8	>90	>88	87	>88	>88	>88	>88	>88	88	>88	84	85
9	>90	>88	71	86	78	72	67	74	70	76	68	77
10	>90	>88	>88	>88	>88	>88	>88	>88	>88	>88	>88	>88
	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; +13.00 dBm
IF OUT: 30 MHz; -2.1 dBm

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	23	42	36	35	26	42	29	41	36	47
1	-	21	+0	32	12	54	16	36	42	51	31	47
2	78	73	69	72	68	70	65	77	55	69	64	71
3	>90	59	48	61	54	68	48	59	49	70	56	72
4	>90	>78	>78	>78	>78	>78	>78	>78	>78	>78	75	>78
5	>90	>78	67	76	70	76	69	>78	64	74	63	>78
6	>90	>78	>78	>78	>78	>78	>78	>78	>78	>78	>78	>78
7	>90	>78	>78	>78	>78	>78	>78	>78	78	>78	>78	>78
8	>90	>78	>78	>78	>78	>78	>78	>78	>78	>78	>78	>78
9	>90	>78	>78	>78	>78	>78	>78	>78	77	>78	>78	>78
10	>90	>78	>78	>78	>78	>78	>78	>78	>78	>78	>78	>78
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions: RF IN: 250 MHz; -6.00 dBm.
LO IN: 280 MHz; +13.00 dBm
IF OUT: 30 MHz; -12.03 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.

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