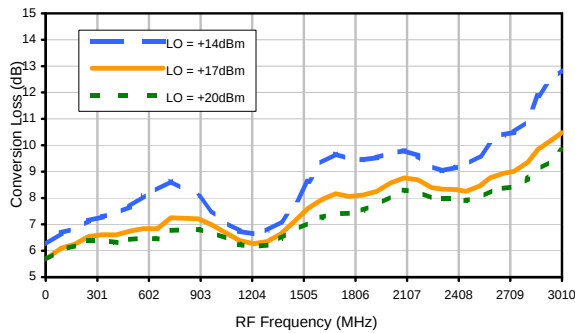


Frequency Mixer

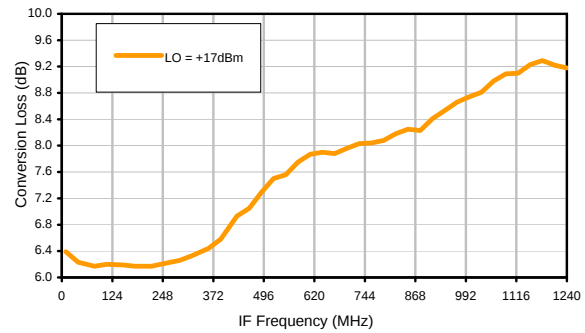
SRA-2500SH

Typical Performance Curves

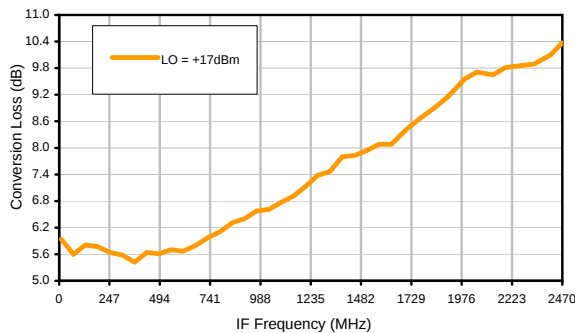
Conversion Loss @ IF=30MHz



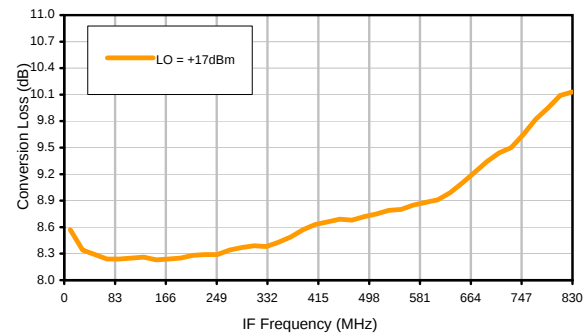
Conversion Loss vs. IF @ RF=1250.1MHz



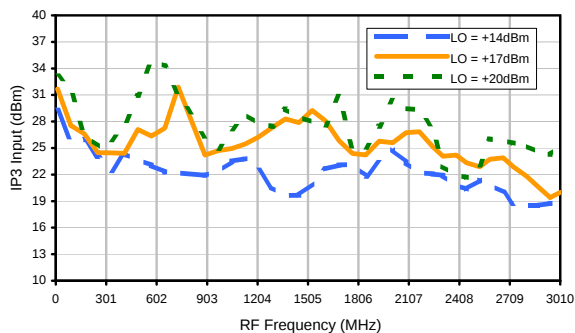
Conversion Loss vs. IF @ RF=10.1MHz



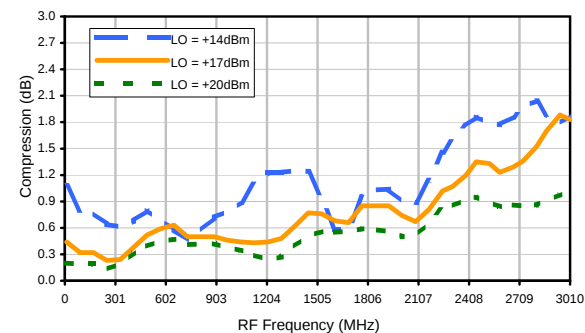
Conversion Loss vs. IF @ RF=2500.1001MHz



IP3 Input



Compression @ RF IN=+14dBm

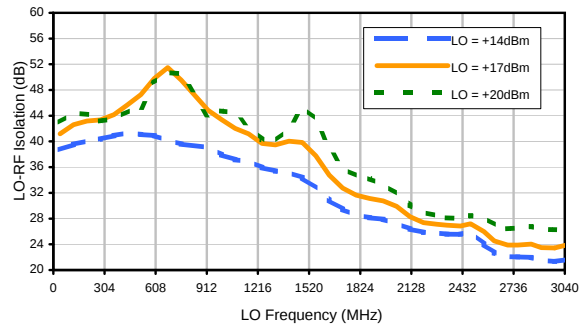


Frequency Mixer

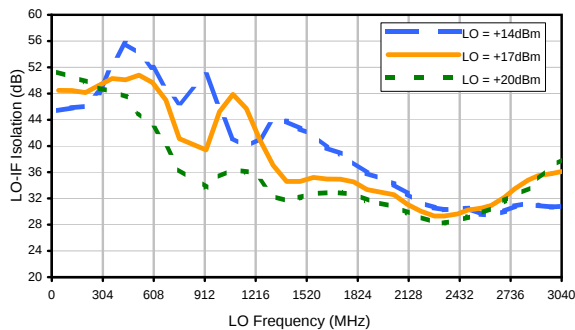
SRA-2500SH

Typical Performance Curves

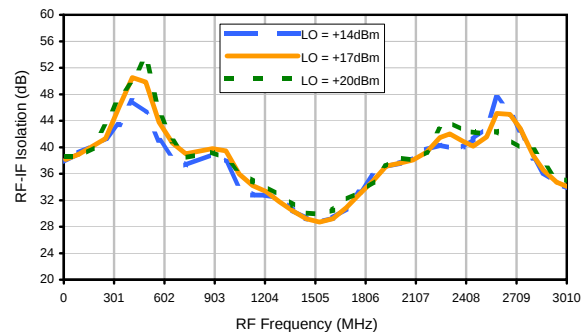
LO-RF Isolation



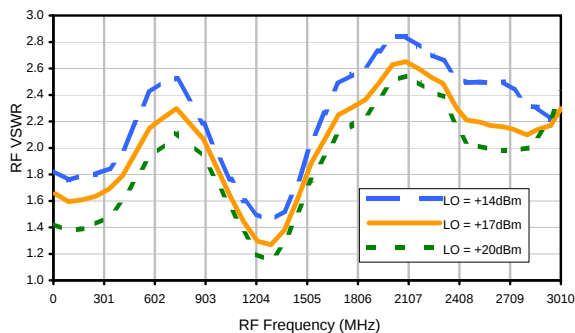
LO-IF Isolation



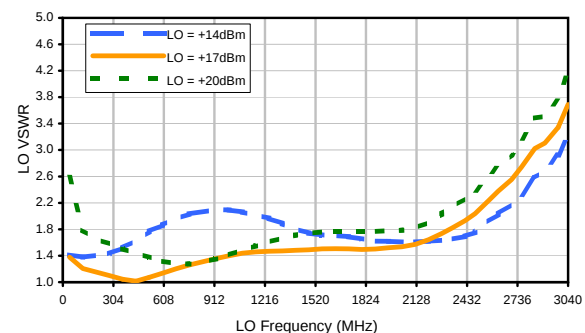
RF-IF Isolation



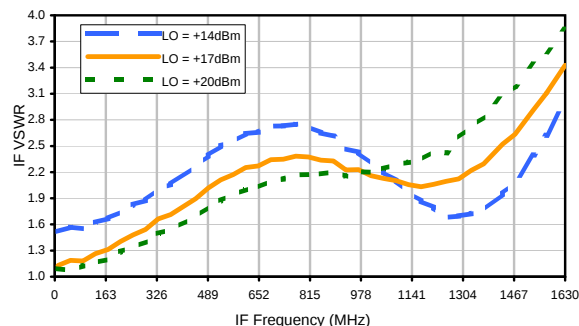
RF VSWR



LO VSWR



IF VSWR



Frequency Mixer

SRA-2500SH

Harmonics Tables

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	15	21	18	29	21	31	33	35	36	56
1	-	30	+0	44	17	48	35	41	50	39	51	59
2	66	59	47	55	48	60	53	81	51	59	58	69
3	>90	72	74	61	61	61	63	71	72	70	78	73
4	>90	>83	>83	81	>83	82	>83	82	>83	>83	>83	>83
5	>90	>83	>83	>83	>83	>83	>83	>83	>83	>83	>83	>83
6	>90	>83	>83	>83	>83	>83	>83	>83	>83	>83	>83	>83
7	>90	>83	>83	>83	>83	>83	>83	>83	>83	>83	>83	>83
8	>90	>83	>83	>83	>83	>83	>83	>83	>83	>83	>83	>83
9	>90	>83	>83	>83	>83	>83	>83	>83	>83	>83	>83	>83
10	>90	>83	>83	>83	>83	>83	>83	>83	>83	>83	>83	>83
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

Test conditions: RF IN: 1250 MHz; -1.00 dBm.
LO IN: 1280 MHz; +17.00 dBm
IF OUT: 30 MHz; -7.31 dBm

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	22	31	30	42	38	46	48	50	56	68
1	-	29	+0	51	18	53	39	47	58	47	50	69
2	46	49	36	48	37	53	45	61	44	54	55	56
3	72	69	55	57	40	58	44	69	54	58	67	54
4	>90	72	68	73	56	60	53	60	60	68	57	71
5	>90	74	76	74	64	67	70	67	65	75	72	71
6	>90	80	86	84	89	78	67	80	71	>93	89	80
7	>90	92	>93	84	90	79	80	73	74	76	76	81
8	>90	83	>93	86	89	85	88	80	80	76	75	80
9	>90	>93	>93	>93	>93	92	>93	87	>93	82	92	84
10	>90	>93	>93	>93	>93	>93	>93	92	92	85	84	82
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions: RF IN: 1250 MHz; 9.00 dBm.
LO IN: 1280 MHz; +17.00 dBm
IF OUT: 30 MHz; 2.62 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.