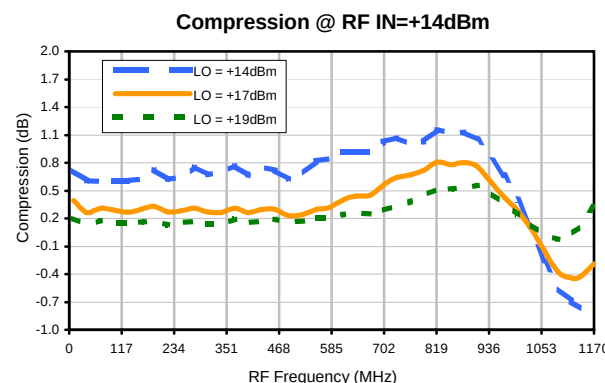
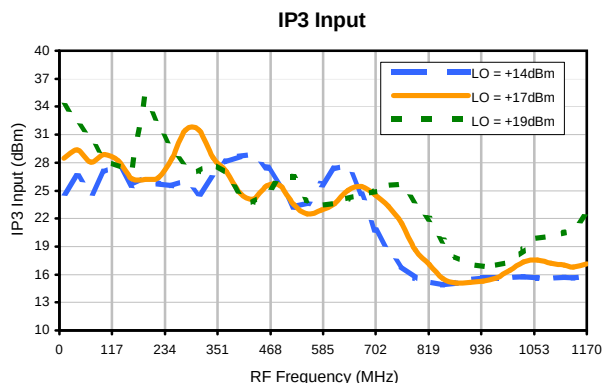
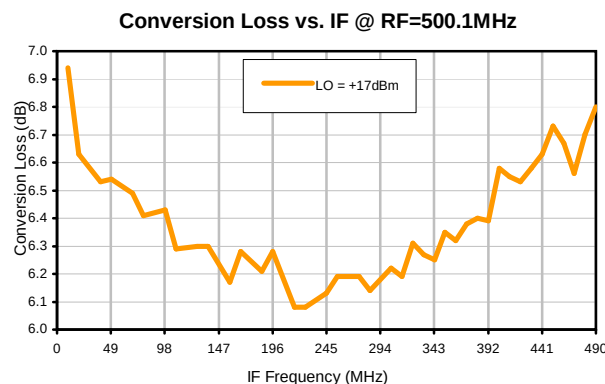
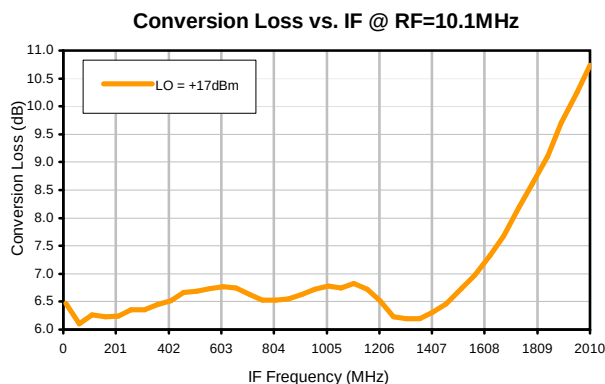
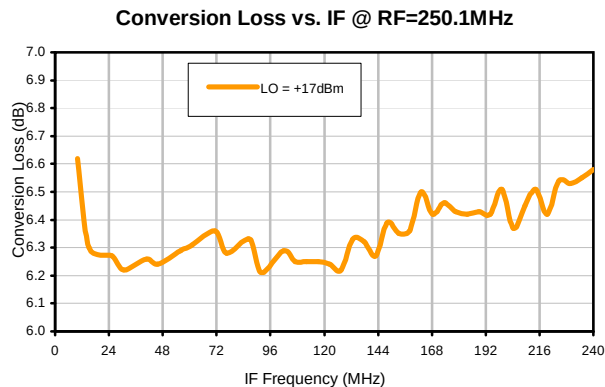
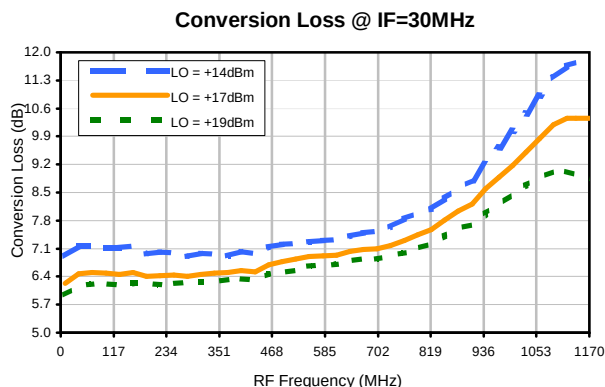


Frequency Mixer

TFM-ED12701/1

Typical Performance Curves

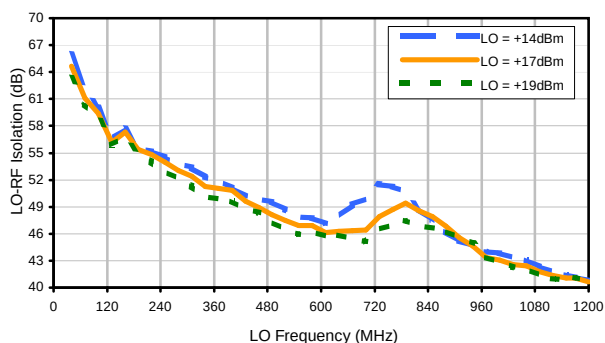


Frequency Mixer

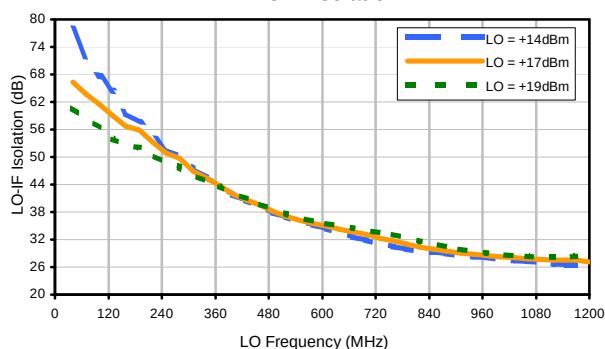
Typical Performance Curves

TFM-ED12701/1

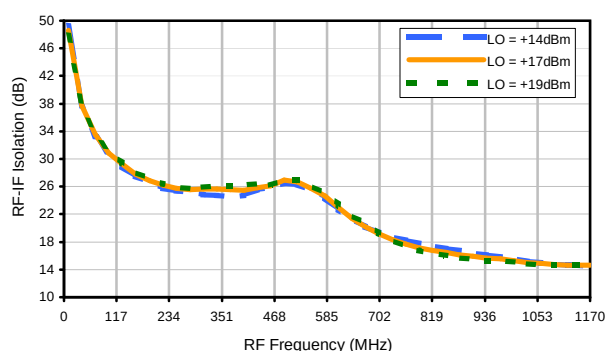
LO-RF Isolation



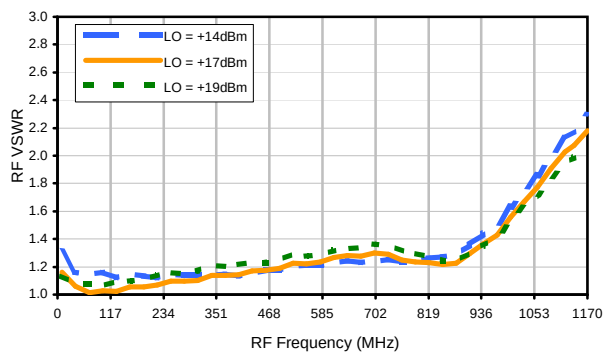
LO-IF Isolation



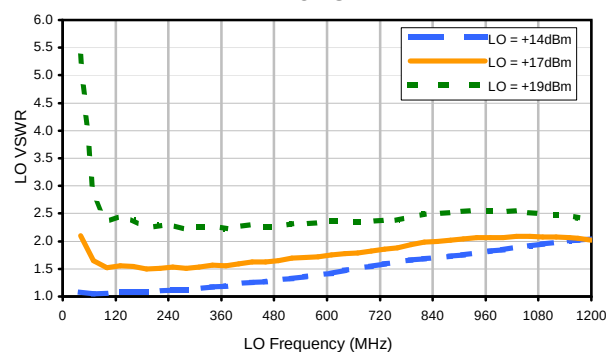
RF-IF Isolation



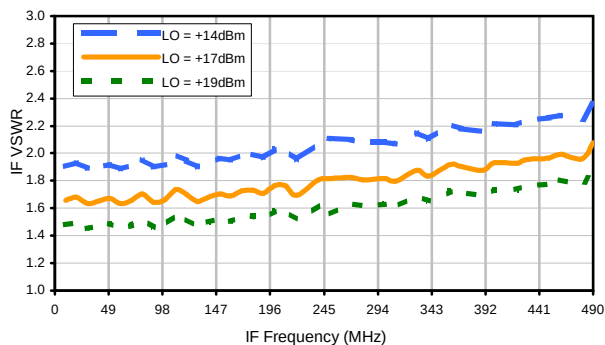
RF VSWR



LO VSWR



IF VSWR



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Harmonics Tables

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	26	33	22	42	26	52	42	62	43	57
1	-	19	+0	31	15	38	29	44	25	38	26	49
2	68	75	53	69	54	67	53	67	56	69	65	>82
3	>90	61	57	65	52	64	46	74	46	64	44	59
4	>90	>82	>82	>82	>82	>82	79	>82	79	>82	75	>82
5	>90	81	78	>82	72	81	67	79	69	>82	70	>82
6	>90	>82	>82	>82	>82	>82	>82	>82	>82	>82	>82	>82
7	>90	>82	>82	>82	>82	>82	>82	>82	>82	>82	>82	>82
8	>90	>82	>82	>82	>82	>82	>82	>82	>82	>82	>82	>82
9	>90	>82	>82	>82	>82	>82	>82	>82	>82	>82	>82	>82
10	>90	>82	>82	>82	>82	>82	>82	>82	>82	>82	>82	81
RF CAL	0	1	2	3	4	5	6	7	8	9	10	

LO HARMONICS ORDER

Test conditions: RF IN: 250.1 MHz; -1.00 dBm.
LO IN: 280.1 MHz; +17.00 dBm
IF OUT: 30 MHz; -7.59 dBm

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	34	42	36	62	46	62	52	67	59	80
1	-	19	+0	32	15	44	25	41	34	46	40	59
2	48	58	50	62	50	64	47	63	50	69	71	91
3	68	46	44	50	49	56	45	50	45	57	38	54
4	>90	84	66	78	65	77	66	70	64	71	65	74
5	>90	62	66	67	58	66	49	60	47	61	46	67
6	>90	82	72	83	73	>92	78	>92	78	86	73	84
7	>90	70	73	78	70	72	64	70	59	70	58	71
8	>90	>92	83	>92	84	91	84	>92	83	>92	79	90
9	>90	85	75	76	73	78	69	79	67	77	67	79
10	>90	>92	>92	>92	>92	>92	>92	>92	92	>92	88	>92
RF CAL	0	1	2	3	4	5	6	7	8	9	10	

LO HARMONICS ORDER

Test conditions: RF IN: 250.1 MHz; 9.00 dBm.
LO IN: 280.1 MHz; +17.00 dBm
IF OUT: 30 MHz; 2.42 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.

