



HMJ5 Single-Tone IM Products

Harmonics of fLO						
	0	1	2	3	4	5
0		44	45	44	45	51
1	23	0	32	15	28	35
2	59	60	63	66	61	60
3	79	69	79	72	78	77
4	>93	>93	>93	81	82	>93
5	>93	>93	78	85	78	>93

LO	RF	LO (MHz)	RF (MHz)	IM Products	
				MHz	dBc
0	1	330	400	400	22.9
0	2	330	400	800	59
0	3	330	400	1200	79.1
0	4	330	400	1600	>93
0	5	330	400	2000	>93
1	0	330	400	330	44.3
-1	1	330	400	70	0
-1	2	330	200	70	59.6
-1	3	330	134	72	68.9
-1	4	330	100	70	>93
-1	5	330	80	70	>93
2	0	330	400	660	44.9
-2	1	330	730	70	31.9
-2	2	330	365	70	63.2
-2	3	330	244	72	78.6
-2	4	330	183	72	>93
-2	5	330	146	70	78.2
3	0	330	400	990	43.5
-3	1	330	1060	70	14.9
-3	2	330	530	70	66
-3	3	330	354	72	71.5
-3	4	330	265	70	81.1
-3	5	330	212	70	84.5
4	0	330	400	1320	45.1
-4	1	330	1390	70	28.3
-4	2	330	695	70	60.5
-4	3	330	464	72	77.7
-4	4	330	348	72	81.5
-4	5	330	278	70	77.8
5	0	330	400	1650	50.5
-5	1	330	1720	70	34.9
-5	2	330	860	70	59.9
-5	3	330	574	72	76.8
-5	4	330	430	70	>93
-5	5	330	344	70	>93
Noise Floor	93 dBc				

Test Conditions: RF input=0 dBm; LO=+17 dBm; Bias = 3V @ 35 mA, 25 deg C

	RF harmonics and intermodulation products are referenced to a desired signal produced by fRF=400 MHz and fLO=330 MHz
	LO harmonics are referenced to the +17 dBm LO input drive signal

Specifications and information are subject to change without notice



Application Note

HMJ5 Intermod Product Table

The Communications Edge™

Product Information

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