

Typical Performance Data

RF (IN) (MHz)	LO (MHz)	CONVERSION LOSS IF FIXED @IF(OUT)=57.7MHz (dB)			RF (IN) (MHz)	LO (MHz)	IP-3 INPUT (dBm)			RF (IN) (MHz)	LO (MHz)	COMPRESSION @RF IN=+12dBm (dB)		
		@LO (dBm)					@LO (dBm)					@LO (dBm)		
		+14	+17	+20			+14	+17	+20			+14	+17	+20
111.1	53.4	8.90	7.35	6.83	111.1	53.4	25.24	30.15	31.84	111.1	53.4	-0.18	0.01	0.03
131.1	73.4	7.68	6.89	6.54	131.1	73.4	31.56	32.69	29.12	131.1	73.4	0.00	0.03	0.02
161.1	103.4	7.80	7.06	6.74	161.1	103.4	28.37	26.06	30.18	161.1	103.4	-0.02	-0.01	0.01
181.1	123.4	7.72	7.05	6.78	181.1	123.4	24.77	24.96	28.44	181.1	123.4	-0.02	0.00	0.01
201.1	143.4	7.65	7.06	6.80	201.1	143.4	23.57	25.94	29.47	201.1	143.4	0.00	0.01	0.03
231.1	173.4	7.30	6.81	6.59	231.1	173.4	24.18	27.49	42.90	231.1	173.4	0.00	0.01	0.03
251.1	193.4	7.40	6.85	6.62	251.1	193.4	24.24	28.83	39.79	251.1	193.4	-0.03	0.01	0.02
281.1	223.4	7.31	6.86	6.64	281.1	223.4	26.96	26.48	31.83	281.1	223.4	0.01	0.01	0.01
301.1	243.4	7.34	6.90	6.71	301.1	243.4	27.32	34.06	33.80	301.1	243.4	0.00	0.02	0.01
321.1	263.4	7.51	7.07	6.82	321.1	263.4	24.72	33.61	28.87	321.1	263.4	-0.04	0.02	0.02
347.1	289.4	7.59	7.20	6.98	347.1	289.4	24.96	24.87	25.96	347.1	289.4	-0.02	-0.02	-0.01
351.1	293.4	7.60	7.22	7.01	351.1	293.4	25.67	25.73	26.31	351.1	293.4	-0.01	-0.01	-0.01
355.1	297.4	7.59	7.21	7.00	355.1	297.4	26.22	26.81	27.39	355.1	297.4	-0.01	-0.02	-0.01
361.1	303.4	7.55	7.17	6.96	361.1	303.4	27.99	29.29	30.50	361.1	303.4	0.01	-0.01	0.00
367.1	309.4	7.48	7.12	6.91	367.1	309.4	31.91	31.99	33.11	367.1	309.4	0.04	0.01	0.01
380.1	322.4	7.51	7.10	6.89	380.1	322.4	34.60	28.88	30.89	380.1	322.4	0.04	0.03	0.01
440.1	382.4	7.83	7.40	6.97	440.1	382.4	20.98	21.50	27.46	440.1	382.4	-0.10	-0.08	-0.01
480.1	422.4	7.73	7.41	7.18	480.1	422.4	26.37	26.62	26.00	480.1	422.4	-0.05	-0.05	-0.05
520.1	462.4	7.76	7.40	7.11	520.1	462.4	24.43	24.28	25.71	520.1	462.4	-0.03	-0.04	-0.07
580.1	522.4	7.89	7.21	6.87	580.1	522.4	20.56	31.35	33.07	580.1	522.4	0.05	0.02	0.01
620.1	562.4	8.68	7.37	6.92	620.1	562.4	18.83	26.41	41.36	620.1	562.4	-0.39	0.03	0.01
680.1	622.4	8.85	8.31	7.45	680.1	622.4	18.14	17.42	23.45	680.1	622.4	-0.30	-0.31	-0.08
720.1	662.4	8.98	8.55	8.00	720.1	662.4	21.28	19.30	17.98	720.1	662.4	-0.22	-0.25	-0.23
760.1	702.4	9.21	8.78	8.41	760.1	702.4	22.31	22.25	19.92	760.1	702.4	-0.23	-0.20	-0.22
820.1	762.4	9.48	9.01	8.16	820.1	762.4	20.12	19.52	27.23	820.1	762.4	-0.31	-0.27	-0.08
860.1	802.4	9.62	8.97	7.91	860.1	802.4	17.42	17.34	24.90	860.1	802.4	-0.45	-0.38	-0.04
900.1	842.4	9.53	8.44	7.26	900.1	842.4	16.31	20.47	29.44	900.1	842.4	-0.47	-0.22	-0.02
960.1	902.4	8.64	6.95	6.52	960.1	902.4	19.98	25.37	31.35	960.1	902.4	-0.22	0.08	0.04
1000.1	942.4	7.97	6.75	6.48	1000.1	942.4	20.60	27.08	30.92	1000.1	942.4	0.10	0.07	0.04
1040.1	982.4	7.36	6.64	6.40	1040.1	982.4	19.34	28.41	28.42	1040.1	982.4	0.22	0.05	0.03
1100.1	1042.4	7.30	6.70	6.53	1100.1	1042.4	20.45	26.75	25.26	1100.1	1042.4	0.15	0.04	0.06
1140.1	1082.4	7.40	6.76	6.66	1140.1	1082.4	21.11	25.98	22.92	1140.1	1082.4	0.14	0.05	0.12
1180.1	1122.4	7.68	7.00	6.82	1180.1	1122.4	21.11	25.68	24.21	1180.1	1122.4	0.20	0.09	0.11
1240.1	1182.4	8.44	7.24	7.28	1240.1	1182.4	17.43	23.41	23.15	1240.1	1182.4	0.16	0.10	0.14
1280.1	1222.4	8.92	7.45	7.61	1280.1	1222.4	15.79	21.91	24.58	1280.1	1222.4	0.14	0.08	0.01
1340.1	1282.4	10.06	7.77	7.60	1340.1	1282.4	13.27	18.80	24.36	1340.1	1282.4	0.14	0.24	0.03
1380.1	1322.4	10.37	8.01	8.27	1380.1	1322.4	12.42	17.44	24.92	1380.1	1322.4	0.34	0.40	0.02
1420.1	1362.4	11.40	8.50	9.07	1420.1	1362.4	11.84	16.04	21.66	1420.1	1362.4	0.36	0.53	0.02
1480.1	1422.4	11.59	9.33	9.45	1480.1	1422.4	11.94	17.38	21.23	1480.1	1422.4	0.73	0.34	-0.06
1500.1	1442.4	12.33	9.79	9.67	1500.1	1442.4	11.96	16.98	21.53	1500.1	1442.4	0.67	0.41	-0.04

Typical Performance Data

IF (OUT) (MHz)	LO (MHz)	CONVERSION LOSS VS. IF FREQUENCY @RF(IN)=357.1MHz (dB)	IF (OUT) (MHz)	LO (MHz)	CONVERSION LOSS VS. IF FREQUENCY @RF(IN)=347.1MHz (dB)	IF (OUT) (MHz)	LO (MHz)	CONVERSION LOSS VS. IF FREQUENCY @RF(IN)=367.1MHz (dB)
		@LO (dBm)			@LO (dBm)			@LO (dBm)
		+17			+17			+17
270.1	87.0	7.21	9.9	357.0	7.31	280.0	87.1	7.18
258.1	99.0	7.24	39.9	387.0	7.57	274.0	93.1	7.17
242.1	115.0	7.17	69.9	417.0	7.73	265.0	102.1	7.15
230.1	127.0	7.17	99.9	447.0	7.72	259.0	108.1	7.10
214.1	143.0	7.08	129.9	477.0	7.74	253.0	114.1	7.12
202.1	155.0	7.07	159.9	507.0	7.58	244.0	123.1	7.10
190.1	167.0	7.08	189.9	537.0	7.50	238.0	129.1	7.10
174.1	183.0	7.05	219.9	567.0	7.72	232.0	135.1	7.11
162.1	195.0	7.09	249.9	597.0	8.39	223.0	144.1	7.07
150.1	207.0	7.04	279.9	627.0	8.94	217.0	150.1	7.08
134.1	223.0	7.14	309.9	657.0	9.15	211.0	156.1	7.09
122.1	235.0	7.08	339.9	687.0	9.27	202.0	165.1	7.06
106.1	251.0	7.14	369.9	717.0	9.68	196.0	171.1	7.06
94.1	263.0	7.14	399.9	747.0	9.89	190.0	177.1	7.04
82.1	275.0	7.20	429.9	777.0	9.89	181.0	186.1	6.98
66.1	291.0	7.24	459.9	807.0	9.97	175.0	192.1	7.04
54.1	303.0	7.23	489.9	837.0	9.75	169.0	198.1	7.04
38.1	319.0	7.20	519.9	867.0	9.12	160.0	207.1	6.97
26.1	331.0	7.20	549.9	897.0	8.53	154.0	213.1	7.00
14.1	343.0	7.19	579.9	927.0	8.39	148.0	219.1	7.07
9.9	367.0	7.42	624.9	972.0	8.20	139.0	228.1	7.08
69.9	427.0	7.67	654.9	1002.0	8.17	133.0	234.1	7.06
129.9	487.0	7.76	684.9	1032.0	8.23	127.0	240.1	7.05
189.9	547.0	7.52	714.9	1062.0	8.30	118.0	249.1	7.07
249.9	607.0	8.55	744.9	1092.0	8.31	112.0	255.1	7.15
309.9	667.0	9.21	774.9	1122.0	8.44	106.0	261.1	7.17
369.9	727.0	9.67	804.9	1152.0	8.51	97.0	270.1	7.17
429.9	787.0	9.95	834.9	1182.0	8.57	91.0	276.1	7.19
489.9	847.0	9.59	864.9	1212.0	8.68	85.0	282.1	7.17
549.9	907.0	8.43	894.9	1242.0	8.94	76.0	291.1	7.13
624.9	982.0	8.21	924.9	1272.0	9.32	70.0	297.1	7.13
684.9	1042.0	8.23	954.9	1302.0	9.33	64.0	303.1	7.16
744.9	1102.0	8.29	984.9	1332.0	9.68	55.0	312.1	7.14
804.9	1162.0	8.56	1014.9	1362.0	9.99	49.0	318.1	7.14
864.9	1222.0	8.68	1044.9	1392.0	9.82	43.0	324.1	7.15
924.9	1282.0	9.33	1074.9	1422.0	10.08	34.0	333.1	7.16
984.9	1342.0	9.76	1104.9	1452.0	10.92	28.0	339.1	7.16
1044.9	1402.0	9.73	1134.9	1482.0	11.01	22.0	345.1	7.18
1104.9	1462.0	10.92	1164.9	1512.0	11.83	13.0	354.1	7.22
1164.9	1522.0	12.15	1179.9	1527.0	12.36	10.0	357.1	7.27

Typical Performance Data

LO (MHz)	LO-RF ISOLATION (dB)			LO-IF ISOLATION (dB)		
	@LO (dBm)			@LO (dBm)		
	+14	+17	+20	+14	+17	+20
53.4	64.76	66.12	65.79	54.36	53.65	53.22
73.4	61.21	62.77	62.08	50.75	50.67	50.51
103.4	58.19	59.76	59.99	48.09	47.74	47.83
123.4	56.53	57.99	58.81	46.61	46.45	46.88
143.4	54.90	56.35	56.72	44.96	45.33	46.28
173.4	52.85	54.27	54.24	43.03	43.63	44.56
193.4	51.72	53.14	51.32	42.29	42.81	44.81
223.4	50.29	51.92	52.16	41.29	42.35	43.63
243.4	49.38	51.16	51.64	40.85	41.79	42.70
263.4	48.60	50.34	50.96	40.07	41.16	42.05
289.4	47.65	49.27	49.76	39.54	40.37	41.33
293.4	47.51	49.08	49.31	39.46	40.20	41.29
299.4	47.27	48.83	48.86	39.40	40.08	41.26
303.4	47.13	48.68	48.50	39.52	40.15	42.01
307.4	46.96	48.50	48.03	39.45	39.99	42.59
322.4	46.45	48.05	46.83	39.27	39.80	43.43
382.4	45.04	46.67	48.37	38.90	40.05	40.96
422.4	43.78	45.41	47.28	37.17	38.08	40.78
462.4	42.89	44.35	42.75	37.10	37.59	42.44
522.4	41.56	43.46	43.10	38.95	37.87	36.40
562.4	41.48	42.99	42.98	40.05	35.95	34.58
622.4	40.34	42.23	38.21	37.06	37.39	36.62
662.4	39.45	41.46	39.64	35.46	35.51	35.42
702.4	38.29	39.88	38.87	34.15	33.86	35.28
762.4	36.48	37.87	34.36	32.14	31.79	31.51
802.4	35.48	37.22	45.08	30.60	30.32	30.70
842.4	34.23	36.23	38.86	29.48	29.48	28.08
902.4	33.37	35.96	31.75	27.27	26.41	26.72
942.4	32.53	34.65	32.87	26.22	25.43	25.73
982.4	31.10	32.74	34.92	24.01	23.59	23.14
1042.4	29.20	31.94	28.70	20.66	21.40	21.94
1082.4	27.82	30.72	27.22	18.38	19.50	19.68
1122.4	26.02	28.42	36.30	16.43	17.98	18.74
1182.4	24.90	28.20	24.28	14.26	15.55	16.05
1222.4	24.22	25.88	33.73	13.39	14.17	15.08
1282.4	24.00	24.07	29.63	12.67	12.53	13.59
1322.4	23.58	23.82	39.66	11.80	11.75	12.25
1362.4	23.59	23.41	30.19	11.39	11.21	11.53
1422.4	21.81	21.66	27.20	10.03	10.21	10.90
1442.4	21.60	21.44	24.80	9.84	10.12	10.87

RF (IN) (MHz)	LO (MHz)	RF-IF ISOLATION (dB)		
		@LO (dBm)		
		+14	+17	+20
111.1	53.4	30.89	32.14	32.38
131.1	73.4	30.02	31.10	30.62
161.1	103.4	28.39	29.41	29.86
181.1	123.4	27.59	28.54	29.05
201.1	143.4	26.84	27.56	27.89
231.1	173.4	26.03	26.75	26.95
251.1	193.4	25.03	25.81	25.11
281.1	223.4	24.41	25.06	25.15
301.1	243.4	23.75	24.39	24.55
321.1	263.4	23.27	24.02	24.40
347.1	289.4	22.58	23.18	23.45
351.1	293.4	22.44	23.04	23.23
355.1	297.4	22.36	22.94	23.09
361.1	303.4	22.32	22.89	22.99
367.1	309.4	22.28	22.87	22.88
380.1	322.4	21.98	22.62	22.48
440.1	382.4	20.49	21.13	21.63
480.1	422.4	20.12	20.54	20.85
520.1	462.4	19.60	20.07	20.03
580.1	522.4	18.76	19.90	20.65
620.1	562.4	17.67	19.41	20.34
680.1	622.4	16.97	17.55	18.49
720.1	662.4	16.78	17.21	18.29
760.1	702.4	16.54	16.97	17.60
820.1	762.4	16.51	17.06	17.47
860.1	802.4	16.44	17.15	18.48
900.1	842.4	16.74	17.86	19.18
960.1	902.4	18.34	20.76	22.10
1000.1	942.4	19.96	21.89	22.81
1040.1	982.4	21.67	22.75	23.02
1100.1	1042.4	22.97	22.87	22.90
1140.1	1082.4	23.32	22.33	22.26
1180.1	1122.4	23.19	21.26	19.97
1240.1	1182.4	23.45	20.25	17.45
1280.1	1222.4	22.86	18.90	16.85
1340.1	1282.4	24.57	18.01	15.19
1380.1	1322.4	24.93	16.61	14.02
1420.1	1362.4	26.62	16.29	13.73
1480.1	1422.4	21.47	14.23	11.52
1500.1	1442.4	21.34	14.46	11.48

Typical Performance Data

RF (IN) (MHz)	LO (MHz)	RF VSWR (:1)			LO (MHz)	LO VSWR (:1)			IF (OUT) (MHz)	IF VSWR @LO=299.4MHz (:1)		
		@LO (dBm)				@LO (dBm)				@LO (dBm)		
		+14	+17	+20		+14	+17	+20		+14	+17	+20
111.1	53.4	1.68	1.46	1.34	53.4	8.52	4.59	3.98	10.0	1.14	1.02	1.12
131.1	73.4	1.54	1.40	1.31	73.4	3.52	2.88	3.10	20.0	1.15	1.02	1.11
161.1	103.4	1.54	1.41	1.34	103.4	2.39	2.25	2.83	25.0	1.15	1.03	1.11
181.1	123.4	1.52	1.41	1.34	123.4	2.03	1.97	2.57	35.0	1.16	1.03	1.11
201.1	143.4	1.52	1.42	1.37	143.4	1.81	1.84	2.42	40.0	1.16	1.04	1.11
231.1	173.4	1.49	1.41	1.35	173.4	1.58	1.79	2.47	47.7	1.17	1.04	1.11
251.1	193.4	1.52	1.43	1.36	193.4	1.47	1.74	2.49	51.7	1.17	1.04	1.11
281.1	223.4	1.50	1.43	1.37	223.4	1.36	1.66	2.36	53.7	1.17	1.04	1.11
301.1	243.4	1.51	1.44	1.40	243.4	1.30	1.64	2.34	57.7	1.17	1.04	1.11
321.1	263.4	1.51	1.44	1.38	263.4	1.25	1.67	2.41	59.7	1.17	1.04	1.11
347.1	289.4	1.53	1.47	1.42	289.4	1.19	1.72	2.50	63.7	1.17	1.04	1.11
351.1	293.4	1.52	1.47	1.42	293.4	1.19	1.72	2.50	67.7	1.17	1.05	1.11
355.1	297.4	1.52	1.46	1.42	297.4	1.18	1.72	2.50	70.0	1.16	1.05	1.11
361.1	303.4	1.51	1.45	1.41	303.4	1.17	1.71	2.48	80.0	1.16	1.06	1.12
367.1	309.4	1.50	1.44	1.40	309.4	1.15	1.70	2.46	85.0	1.16	1.06	1.12
380.1	322.4	1.51	1.45	1.40	322.4	1.12	1.68	2.41	95.0	1.17	1.07	1.13
440.1	382.4	1.54	1.48	1.41	382.4	1.16	1.81	2.61	100.0	1.17	1.08	1.13
480.1	422.4	1.52	1.48	1.45	422.4	1.18	1.80	2.56	110.0	1.18	1.09	1.13
520.1	462.4	1.49	1.45	1.41	462.4	1.24	1.86	2.63	120.0	1.18	1.10	1.14
580.1	522.4	1.47	1.41	1.38	522.4	1.41	1.93	2.68	125.0	1.18	1.10	1.14
620.1	562.4	1.50	1.39	1.36	562.4	1.51	2.11	2.86	135.0	1.20	1.11	1.14
680.1	622.4	1.48	1.44	1.38	622.4	1.60	2.31	3.19	140.0	1.20	1.11	1.15
720.1	662.4	1.47	1.44	1.40	662.4	1.67	2.39	3.35	150.0	1.20	1.11	1.14
760.1	702.4	1.44	1.40	1.38	702.4	1.79	2.52	3.50	160.0	1.20	1.11	1.14
820.1	762.4	1.40	1.36	1.29	762.4	1.86	2.53	3.49	165.0	1.20	1.11	1.14
860.1	802.4	1.36	1.29	1.20	802.4	1.95	2.59	3.53	175.0	1.20	1.12	1.15
900.1	842.4	1.30	1.19	1.12	842.4	1.97	2.51	3.37	180.0	1.20	1.12	1.16
960.1	902.4	1.13	1.02	1.07	902.4	2.03	2.58	3.56	190.0	1.21	1.14	1.16
1000.1	942.4	1.08	1.10	1.14	942.4	2.12	2.66	3.59	200.0	1.22	1.15	1.17
1040.1	982.4	1.13	1.19	1.22	982.4	2.42	2.92	3.80	205.0	1.22	1.15	1.17
1100.1	1042.4	1.27	1.32	1.37	1042.4	3.13	3.33	4.07	215.0	1.23	1.16	1.18
1140.1	1082.4	1.36	1.42	1.48	1082.4	3.76	3.70	4.29	220.0	1.23	1.16	1.18
1180.1	1122.4	1.44	1.51	1.57	1122.4	4.52	4.12	4.56	230.0	1.24	1.17	1.18
1240.1	1182.4	1.55	1.64	1.71	1182.4	6.16	4.86	4.94	235.0	1.25	1.17	1.18
1280.1	1222.4	1.63	1.71	1.77	1222.4	6.73	5.39	5.25	245.0	1.25	1.17	1.18
1340.1	1282.4	1.82	1.80	1.84	1282.4	7.30	6.10	5.63	255.0	1.25	1.18	1.19
1380.1	1322.4	1.96	1.85	1.80	1322.4	7.01	6.09	5.86	260.0	1.26	1.18	1.19
1420.1	1362.4	2.17	1.93	1.79	1362.4	6.98	6.11	5.97	270.0	1.26	1.18	1.19
1480.1	1422.4	2.26	1.90	1.75	1422.4	6.07	5.68	5.83	275.0	1.25	1.18	1.19
1500.1	1442.4	2.36	1.91	1.75	1442.4	5.89	5.57	5.74	280.0	1.25	1.17	1.19

Harmonics Tables

RF HARMONICS ORDER	(-dBm)	(-dBc)											
	0	--	--	15.35	32.89	26.76	39.92	28.85	42.13	28.78	44.22	33.94	53.92
	1	--	15.84	--	35.47	16.45	37.90	24.19	33.31	30.83	36.26	32.73	46.78
	2	85.89	70.54	71.65	68.75	67.92	63.92	63.86	64.53	65.15	65.08	61.18	67.55
	3	82.58	59.51	56.42	61.67	56.55	74.15	50.73	68.78	49.32	66.02	50.05	65.49
	4	120.49	88.32	97.02	92.01	93.96	94.91	88.29	105.96	89.73	93.80	88.15	91.39
	5	122.05	90.20	86.51	88.95	83.12	90.93	80.76	93.48	95.21	92.40	79.45	87.99
	6	130.63	114.08	106.11	108.14	101.31	110.44	107.03	108.90	108.75	106.46	102.18	101.76
	7	128.65	117.09	111.40	110.75	115.44	107.84	117.08	111.20	107.98	110.01	99.37	103.25
	8	130.52	117.59	116.52	117.23	117.62	117.14	117.64	117.53	117.82	113.16	108.24	109.37
	9	131.06	116.78	117.58	116.59	117.21	118.06	117.75	117.20	116.88	114.91	110.40	101.77
	10	130.87	118.29	117.62	118.44	115.39	117.54	118.99	118.66	119.19	116.98	117.68	112.15
RF CAL		0	1	2	3	4	5	6	7	8	9	10	

LO HARMONICS ORDER

Test conditions: RF IN: 367.10 MHz; 0.00 dBm.
 LO IN: 299.40 MHz; +17.00 dBm
 IF OUT: 67.70 MHz; -7.11 dBm

RF HARMONICS ORDER	(-dBm)	(-dBc)											
	0	--	--	26.14	42.39	36.34	48.28	40.04	56.07	45.09	58.71	45.48	61.57
	1	--	16.24	--	34.55	15.07	51.56	27.82	40.08	44.28	44.57	40.02	55.02
	2	63.60	66.39	57.76	61.77	75.87	61.88	75.95	67.11	66.52	69.50	54.12	64.32
	3	54.53	41.63	40.76	44.52	58.62	50.22	38.72	67.57	36.03	54.57	41.07	56.89
	4	82.61	74.81	71.81	70.62	72.10	70.75	79.01	71.41	80.06	71.81	76.18	71.58
	5	72.84	61.40	51.70	57.26	47.73	57.11	47.59	63.12	48.79	62.03	48.30	61.45
	6	102.36	88.98	74.56	83.80	73.84	85.10	75.28	100.18	78.37	95.59	85.81	84.42
	7	97.20	72.85	73.64	72.34	68.31	65.88	65.18	65.77	62.66	66.61	62.75	67.01
	8	110.29	91.77	84.22	91.65	91.78	89.15	86.04	87.10	87.57	87.44	92.73	89.39
	9	115.94	92.57	84.16	88.63	78.99	82.92	74.42	71.98	68.80	69.99	67.84	70.09
	10	131.49	108.67	107.50	102.21	107.79	100.07	109.53	101.01	90.58	98.08	87.47	98.48
RF CAL		0	1	2	3	4	5	6	7	8	9	10	

LO HARMONICS ORDER

Test conditions: RF IN: 367.10 MHz; 10.00 dBm.
 LO IN: 299.40 MHz; +17.00 dBm
 IF OUT: 67.70 MHz; 2.95 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 represents the Harmonics level of the RF Input Signal to the mixer