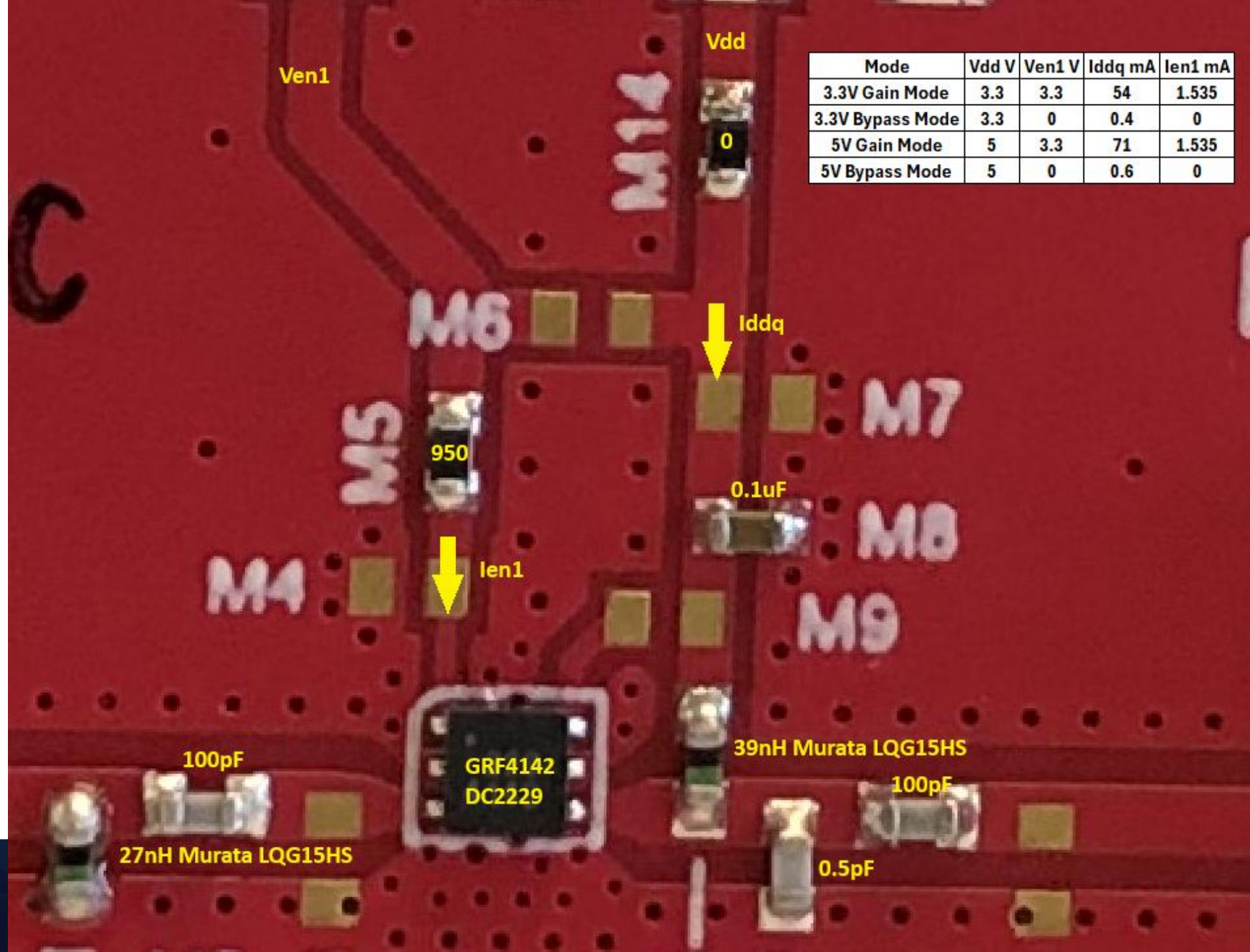




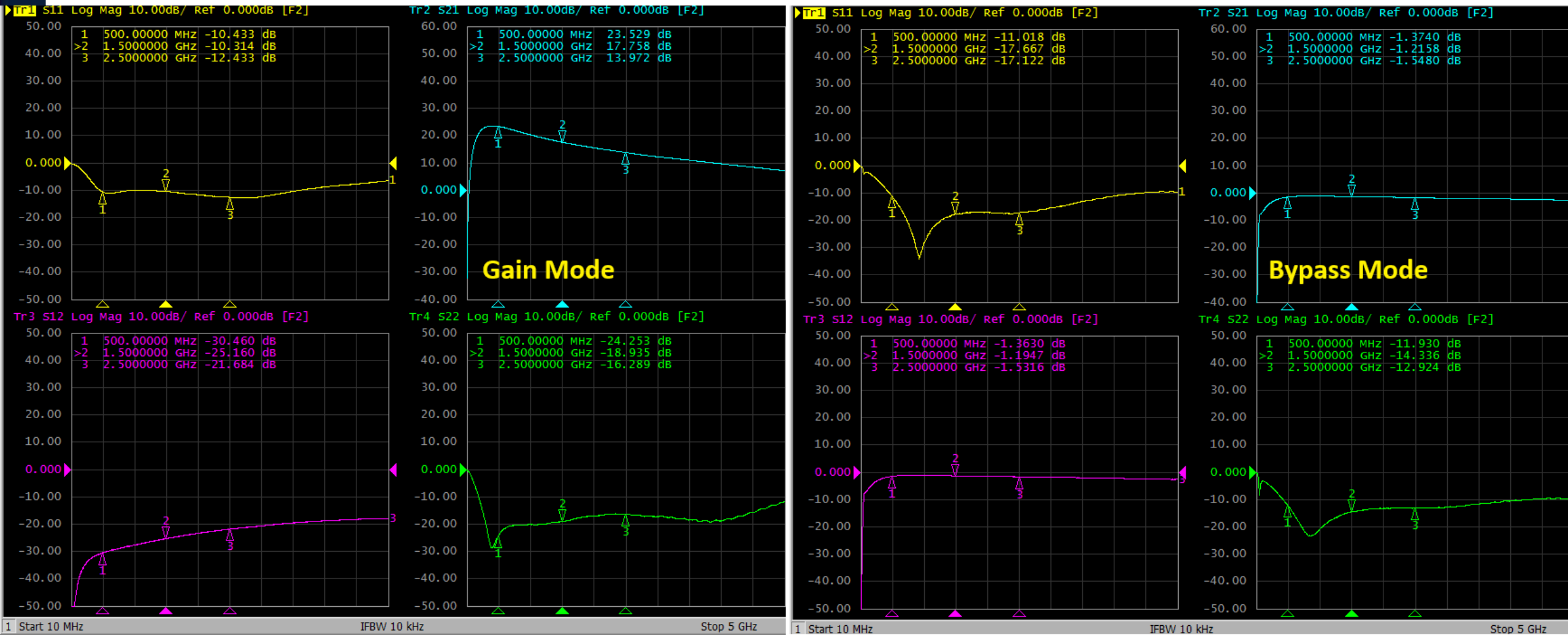
GRF4142
EVB223
500-2500 MHz

10/12/26

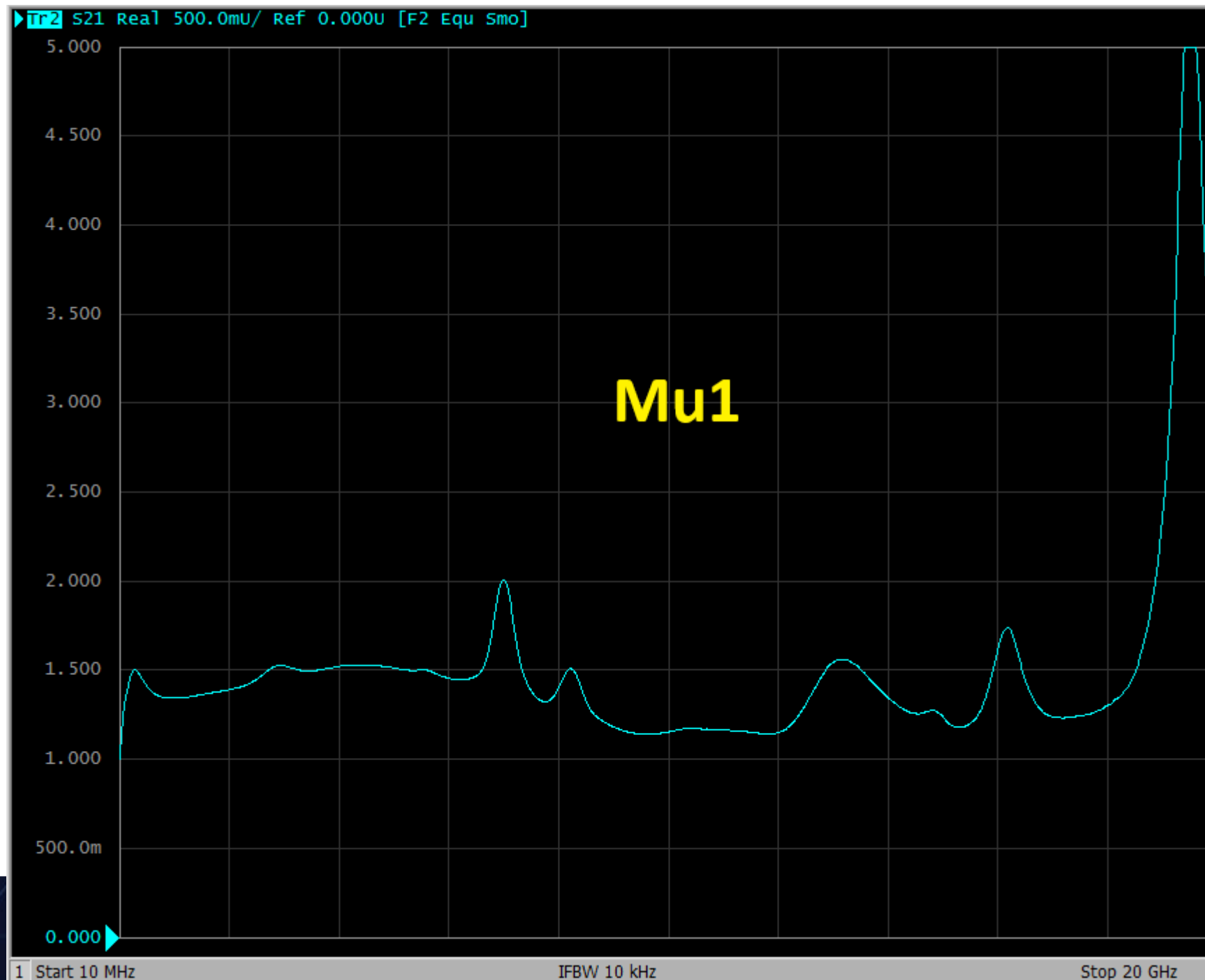
Schematic:



Response:



Stability:



Data:

Descriptor	Freq MHz	Vdd V	Ven V	Iddq mA	Ien mA	IP3 Tone Power dBm	IP3 Tone Spacing MHz	gain dB	IIP3 dBm	OIP3 dBm	IP1dB dBm	OP1dB dBm	EVN NF dB
3.3V Gain Mode	500	3.3	3.3	55.7	1.54	3	2	23.4	9.6	33	-2.5	19.9	x
3.3V Gain Mode	1000	3.3	3.3	55.8	1.54	3	2	20.3	14.2	34.5	0.9	20.2	x
3.3V Gain Mode	1500	3.3	3.3	55.8	1.54	3	2	17.8	16.7	34.5	3.7	20.5	x
3.3V Gain Mode	2000	3.3	3.3	55.8	1.54	3	2	15.7	19.5	35.2	6.1	20.8	x
3.3V Gain Mode	2500	3.3	3.3	55.8	1.54	3	2	13.9	21.5	35.4	8.2	21.1	x
3.3V Bypass Mode	500	3.3	0	0.4	0	8	2	-1.3	49.9	48.6	20.7	18.4	x
3.3V Bypass Mode	1000	3.3	0	0.4	0	8	2	-0.9	48	47.1	25.6	23.7	x
3.3V Bypass Mode	1500	3.3	0	0.4	0	8	2	-1	47.8	46.8	25.6	23.6	x
3.3V Bypass Mode	2000	3.3	0	0.4	0	8	2	-1.2	47.9	46.7	26.3	24.1	x
3.3V Bypass Mode	2500	3.3	0	0.4	0	8	2	-1.5	47	45.5	26.3	23.8	x
5V Gain Mode	500	5	3.3	71.1	1.54	3	2	23.6	10.2	33.8	-0.2	22.4	1.08
5V Gain Mode	1000	5	3.3	71.1	1.54	3	2	20.5	14.6	35.1	2.9	22.4	0.9
5V Gain Mode	1500	5	3.3	71.1	1.54	3	2	17.9	17.5	35.4	5.4	22.3	0.89
5V Gain Mode	2000	5	3.3	71.1	1.54	3	2	15.8	20	35.8	7.4	22.2	1
5V Gain Mode	2500	5	3.3	71.1	1.54	3	2	14	22.1	36.1	9.1	22.1	1.12
5V Bypass Mode	500	5	0	0.6	0	8	2	-1.4	47.3	45.9	20	17.6	x
5V Bypass Mode	1000	5	0	0.6	0	8	2	-1	46.9	45.9	25.4	23.4	x
5V Bypass Mode	1500	5	0	0.6	0	8	2	-1.1	47.1	46	25.7	23.6	x
5V Bypass Mode	2000	5	0	0.6	0	8	2	-1.3	47.1	45.8	26.3	24	x
5V Bypass Mode	2500	5	0	0.6	0	8	2	-1.6	47.2	45.6	26.3	23.7	x



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