

LNA gain required for <0.1dB degradation of the LNA noise figure specification

Your receiver noise figure (dB)	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1	1.5	2	< LNA NF (dB) specification
10	26	26	26	26	26	26	25	25	25	24	
9	25	25	25	25	24	24	24	24	24	23	
8	24	24	24	23	23	23	23	23	23	22	
7	23	23	22	22	22	22	22	22	21	21	
6	21	21	21	21	21	21	21	21	20	20	
5	20	20	20	20	19	19	19	19	19	18	
4	18	18	18	18	18	18	18	18	17	17	
3	16	16	16	16	16	16	16	16	15	15	
2	14	14	14	14	14	14	14	13	13	12	

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LNA gain required for <0.01dB degradation of the LNA noise figure specification

Your receiver noise figure (dB)	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1	1.5	2	< LNA NF (dB) specification
10	36	36	36	36	36	35	35	35	35	34	
9	35	35	35	34	34	34	34	34	34	33	
8	34	34	33	33	33	33	33	33	32	32	
7	32	32	32	32	32	32	32	32	31	31	
6	31	31	31	31	31	31	31	30	30	30	
5	30	30	30	29	29	29	29	29	29	28	
4	28	28	28	28	28	28	28	27	27	26	
3	26	26	26	26	26	26	26	26	25	25	
2	24	24	24	24	24	24	23	23	23	22	

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