

TEN-TEC RX-340

MESSDATEN

www.ratzer.at



Tests on Ten-Tec 340
for Christoph Ratzer

Serial number 10078

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Noise floor and sensitivity measurements improve with the IF gain backed off slightly for better quieting. The number M=x is where I set the IF gain for a given measurement. Noise floor is measured in dBm. Sensitivity for 10 dB S+N/N is measured in dBm and microvolts. IF gain setting is more critical with the preamp On than Off.

Measurement	Frequency	Bandwidth	Preamp	M #	Reading
Noise Floor	14.2 MHz	2400 Hz	Off	10	-122 dBm
Noise Floor	14.2 MHz	500 Hz	Off	10	-129 dBm
Noise Floor	14.2 MHz	2400 Hz	On	10	-132 dBm
Noise Floor	14.2 MHz	500 Hz	On	10	-138 dBm
Sensitivity	14.2	2400	Off	12	-112 dBm
Sensitivity	14.2	2400	On	12	-122 dBm
Sensitivity	14.2	2400	Off	10	0.55 uV
Sensitivity	14.2	2400	On	10	0.30 uV
Sensitivity	14.2	2400	On	11	0.18 uV
Sensitivity	14.2	2400	On	15	0.17 uV
AGC thresh	14.2	2400	Off	15	1.3 uV
AGC thresh	14.2	2400	On	15	0.29 uV

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Sensitivity versus Frequency flatness test:

Sens	29.99 MHz	2400	Off	15	0.7 μ V
Sens	29.0	2400	Off	15	0.6
Sens	21.0	2400	Off	15	0.6
Sens	14.2	2400	Off	15	0.55
Sens	10.2	2400	Off	15	0.6
Sens	5.2	2400	Off	15	0.6
Sens	2.2	2400	Off	15	0.5
Sens	1.1	2400	Off	15	0.45
Sens	0.5	2400	Off	15	0.45
Sens	0.1	2400	Off	15	0.45
Sens	0.05	2400	Off	15	0.5
Sens	0.02	2400	Off	15	1.3
Sens	0.01	2400	Off	15	8
