

RF Explorer 3GHz Limiter frequency response

Level input -10dBm SA normalised.

Reference level for readings is 0dBm

Limiter includes a 6dB attenuator pad.

Frequency Hz	dBm Output	Delta against 6dB Pad
56K	-9.00	-3.00
60K	-8.50	-2.50
200K	-6.00	0.0 (Start of ~flat response)
500M	-6.12	-0.12
1000M	-6.40	-0.40
1500M	-6.79	-0.79
2000M	-6.85	-0.85
2500M	-7.46	-1.46
2750M	-6.50	-0.50 (End of ~flat response)
3000M	-4.70	+1.30 (leakage across attenuator/resonance)
3360M	-21.2	-15.20 (Lowest point of signal trough)
4000M	-9.50	-3.50
4500M	-9.00	-3.00
5000M	-7.80	-1.80
5500M	-4.00	+2.00(leakage across attenuator/resonance)
6000M	-4.50	+1.50(leakage across attenuator/resonance)
6500M	-6.00	0.0
7000M	-8.90	-2.90
7500M	-8.70	-2.70

Limit of test jig

Roll-off between 200kHz and 60KHz is very gradual.

FJC
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