



## Model 845 RF / Microwave Signal Generator Comparison Chart

	Model 845-20	Agilent MXG N5183A	Agilent E8257D PSG w options	R&S SMB B120L w options
Freq. Range Resolution	100 kHz-20.5 GHz 0.001 Hz	250 kHz -20 GHz 0.01 Hz	250 kHz -20 GHz 0.01 Hz	100 kHz -20 GHz 0.001 Hz
Switching Speed	0.2 ms	5 ms (1.15 ms option UNZ)	9 ms	3 ms
Option FS	0.03 ms			
Power range	-30 to +20 dBm	-90 to +7 dBm	-135 to +15 dBm	-20 to +22 dBm
Option PE3	-190 to +13 dBm			
Option HP	-20 to +26 dBm			
Resolution	0.01 dB	0.01 dB	0.01 dB	0.01 dB
Phase Noise 10G	-108 dBc/Hz	-98 dBc/Hz	-115 dBc/Hz	-108 dBc/Hz
OCXO	< 0.1 ppm	< 1 ppm	< 0.05 ppm	< 0.1 ppm
Modulations	AM/FM/PM/Pulse Trains/Chirps	Optional	Optional	Optional
Extras	Portable Internal battery	-	-	-
Weight, size	2.5 kg	12.8 kgs	22 kgs	6.9 kgs
Power consump.	< 15 W	250 W	250 W	>90 W
List Price	\$17,000.00 USD	\$42,000.00 USD	\$68,000.00 USD	\$51,000.00 USD

\*Specifications subject to change\*