R&S®SMA100B RF and microwave signal generator Product Flyer | Version 02.00

Many success stories start with a clear signal. The R&S®SMA100B analog signal generator is the right choice when it comes to developing superior future products. It is the only RF and microwave generator to deliver ultrapure output signals while providing extremely high output power — in a previously unmatched dimension.

This gives Rohde & Schwarz customers an economic and technical competitive edge to help them stay innovative. Thanks to the new R&S®SMA100B, they can design improved components and products.



A new benchmark for product testing and development

Appropriate options provide very high output power without compromise

Exceptionally low phase and wideband noise

High output power in combination with low harmonics







Conveniently upgrade your technology and replace obsolete signal generators

Scalable housing size for easy replacement of signal generators, e.g. in ATE racks

Specifications in brief

Real Real Real Real Real Real Real Real	R&S°SMAB-B103 R&S°SMAB-B106 R&S°SMAB-B112 R&S°SMAB-B120 R&S°SMAB-B131 R&S°SMAB-B131 R&S°SMAB-B150/-B150N R&S°SMAB-B167/-B167N R&S°SMAB-B103/-B106 Standard with R&S°SMAB-K31 with R&S°SMAB-K31 with R&S°SMAB-B12/-B120 Standard with R&S°SMAB-K33 with R&S°SMAB-K33 with R&S°SMAB-K33 with R&S°SMAB-B35 SMAB-B131/-B140/-B140N Standard with R&S°SMAB-B35 R&S°SMAB-B150/-B150N/-B167/-B167N Standard with R&S°SMAB-B37/-B39 with R&S°SMAB-B37/-B39 with R&S°SMAB-R38/-K40	8 kHz to 3 GHz 8 kHz to 6 GHz 8 kHz to 12.75 GHz 8 kHz to 20 GHz 8 kHz to 31.8 GHz 8 kHz to 40 GHz 8 kHz to 50 GHz 8 kHz to 67 GHz (overra f = 3 GHz +19 dBm +25 dBm +30 dBm f = 12.75 GHz +18 dBm +20 dBm +27 dBm f = 31.8 GHz +13 dBm +17 dBm +22 dBm f = 50 GHz +5 dBm +11 dBm	f = 6 GHz +19 dBm +25 dBm +30 dBm f = 20 GHz +17 dBm +20 dBm +24 dBm f = 40 GHz +13 dBm +16 dBm +20 dBm f = 67 GHz	
Real Real Real Real Real Real Real Real	R&S°SMAB-B106 R&S°SMAB-B112 R&S°SMAB-B120 R&S°SMAB-B131 R&S°SMAB-B140/-B140N R&S°SMAB-B150/-B150N R&S°SMAB-B167/-B167N R&S°SMAB-B103/-B106 Standard with R&S°SMAB-K31 with R&S°SMAB-B12/-B120 Standard with R&S°SMAB-K33 with R&S°SMAB-K33 with R&S°SMAB-K33 with R&S°SMAB-B35/-B140/-B140N Standard with R&S°SMAB-B35 with R&S°SMAB-B35 with R&S°SMAB-B35 with R&S°SMAB-B35 with R&S°SMAB-B35 and R&S°SMAB-K36 R&S°SMAB-B150/-B167/-B167N Standard with R&S°SMAB-B37/-B39 with R&S°SMAB-B37/-B39 with R&S°SMAB-B37/-B39 with R&S°SMAB-B37/-B39	8 kHz to 6 GHz 8 kHz to 12.75 GHz 8 kHz to 20 GHz 8 kHz to 31.8 GHz 8 kHz to 40 GHz 8 kHz to 50 GHz 8 kHz to 67 GHz (overra) f = 3 GHz +19 dBm +25 dBm +30 dBm f = 12.75 GHz +18 dBm +20 dBm +21 dBm +22 dBm f = 31.8 GHz +13 dBm +17 dBm +22 dBm f = 50 GHz +5 dBm +11 dBm	f = 6 GHz +19 dBm +25 dBm +30 dBm f = 20 GHz +17 dBm +20 dBm +24 dBm f = 40 GHz +13 dBm +16 dBm +20 dBm f = 67 GHz	
Re R	R&S°SMAB-B112 R&S°SMAB-B120 R&S°SMAB-B131 R&S°SMAB-B140/-B140N R&S°SMAB-B150/-B150N R&S°SMAB-B167/-B167N R&S°SMAB-B103/-B106 Standard with R&S°SMAB-K31 with R&S°SMAB-K31 with R&S°SMAB-K31 and R&S°SMAB-B32 R&S°SMAB-B112/-B120 Standard with R&S°SMAB-K33 with R&S°SMAB-K33 with R&S°SMAB-K33 with R&S°SMAB-B35 with R&S°SMAB-B35/-B140/-B140N Standard with R&S°SMAB-B35 with R&S°SMAB-B35-B35 with R&S°SMAB-B35 with R&S°SMAB-B35-B35 with R&S°SMAB-B35-B35 with R&S°SMAB-B35-B35-B39 with R&S°SMAB-B37/-B39 with R&S°SMAB-B37/-B39 with R&S°SMAB-B37/-B39	8 kHz to 12.75 GHz 8 kHz to 20 GHz 8 kHz to 31.8 GHz 8 kHz to 40 GHz 8 kHz to 50 GHz 8 kHz to 67 GHz (overra f = 3 GHz +19 dBm +25 dBm +30 dBm f = 12.75 GHz +18 dBm +20 dBm f = 31.8 GHz +13 dBm +17 dBm +22 dBm f = 50 GHz +5 dBm +11 dBm	f = 6 GHz +19 dBm +25 dBm +30 dBm f = 20 GHz +17 dBm +20 dBm +24 dBm f = 40 GHz +13 dBm +16 dBm +20 dBm f = 67 GHz	
Reference of the second of the	R&S°SMAB-B120 R&S°SMAB-B131 R&S°SMAB-B140/-B140N R&S°SMAB-B150/-B150N R&S°SMAB-B167/-B167N R&S°SMAB-B103/-B106 standard with R&S°SMAB-K31 with R&S°SMAB-K31 with R&S°SMAB-K31 and R&S°SMAB-B32 R&S°SMAB-B112/-B120 standard with R&S°SMAB-K33 with R&S°SMAB-K33 with R&S°SMAB-K33 with R&S°SMAB-B31/-B140/-B140N standard with R&S°SMAB-B35	8 kHz to 20 GHz 8 kHz to 31.8 GHz 8 kHz to 40 GHz 8 kHz to 50 GHz 8 kHz to 67 GHz (overra f = 3 GHz +19 dBm +25 dBm +30 dBm f = 12.75 GHz +18 dBm +20 dBm +27 dBm f = 31.8 GHz +13 dBm +17 dBm +22 dBm f = 50 GHz +5 dBm +11 dBm	f = 6 GHz +19 dBm +25 dBm +30 dBm f = 20 GHz +17 dBm +20 dBm +24 dBm f = 40 GHz +13 dBm +16 dBm +20 dBm f = 67 GHz	
Representation of the second s	R&S°SMAB-B131 R&S°SMAB-B140/-B140N R&S°SMAB-B150/-B150N R&S°SMAB-B167/-B167N R&S°SMAB-B103/-B106 Standard with R&S°SMAB-K31 with R&S°SMAB-K31 with R&S°SMAB-K31and R&S°SMAB-B32 R&S°SMAB-B112/-B120 Standard with R&S°SMAB-K33 with R&S°SMAB-K33 with R&S°SMAB-K33 with R&S°SMAB-B31/-B140/-B140N Standard with R&S°SMAB-B35 with R&S°SMAB-B35 with R&S°SMAB-B35 with R&S°SMAB-B35 with R&S°SMAB-B35 and R&S°SMAB-K36 R&S°SMAB-B150/-B150N/-B167/-B167N Standard with R&S°SMAB-B37/-B39 with R&S°SMAB-B37/-B39 with R&S°SMAB-B37/-B39 with R&S°SMAB-B37/-B39	8 kHz to 31.8 GHz 8 kHz to 40 GHz 8 kHz to 50 GHz 8 kHz to 67 GHz (overra f = 3 GHz +19 dBm +25 dBm +30 dBm f = 12.75 GHz +18 dBm +20 dBm +27 dBm f = 31.8 GHz +13 dBm +17 dBm +22 dBm f = 50 GHz +5 dBm +11 dBm	f = 6 GHz +19 dBm +25 dBm +30 dBm f = 20 GHz +17 dBm +20 dBm +24 dBm f = 40 GHz +13 dBm +16 dBm +20 dBm f = 67 GHz	
Report Naximum specified output power (PEP) Report Naximum specif	R&S°SMAB-B140/-B140N R&S°SMAB-B150/-B150N R&S°SMAB-B167/-B167N R&S°SMAB-B103/-B106 standard with R&S°SMAB-K31 with R&S°SMAB-K31 with R&S°SMAB-K31 and R&S°SMAB-B32 R&S°SMAB-B112/-B120 standard with R&S°SMAB-K33 with R&S°SMAB-K33 with R&S°SMAB-K33 with R&S°SMAB-B31/-B140/-B140N standard with R&S°SMAB-B35 with R&S°SMAB-B35 with R&S°SMAB-B35 with R&S°SMAB-B35 with R&S°SMAB-B35 with R&S°SMAB-B35 and R&S°SMAB-K36 R&S°SMAB-B150/-B150N/-B167/-B167N standard with R&S°SMAB-B37/-B39 with R&S°SMAB-B37/-B39 with R&S°SMAB-B37/-B39 and	8 kHz to 40 GHz 8 kHz to 50 GHz 8 kHz to 67 GHz (overra f = 3 GHz +19 dBm +25 dBm +30 dBm f = 12.75 GHz +18 dBm +20 dBm +27 dBm f = 31.8 GHz +13 dBm +17 dBm +22 dBm f = 50 GHz +5 dBm +11 dBm	f = 6 GHz +19 dBm +25 dBm +30 dBm f = 20 GHz +17 dBm +20 dBm +24 dBm f = 40 GHz +13 dBm +16 dBm +20 dBm f = 67 GHz	
Level Maximum specified output power (PEP) Reference of the specified output power (PEP) Reference outp	R&S°SMAB-B150/-B150N R&S°SMAB-B103/-B167N R&S°SMAB-B103/-B106 standard with R&S°SMAB-K31 with R&S°SMAB-K31 and R&S°SMAB-B32 R&S°SMAB-B112/-B120 standard with R&S°SMAB-K33 with R&S°SMAB-K33 with R&S°SMAB-K33 with R&S°SMAB-B131/-B140/-B140N standard with R&S°SMAB-B35 with R&S°SMAB-B35 with R&S°SMAB-B35 with R&S°SMAB-B35 and R&S°SMAB-K36 R&S°SMAB-B150/-B150N/-B167/-B167N standard with R&S°SMAB-B37/-B39 with R&S°SMAB-B37/-B39 with R&S°SMAB-B37/-B39 with R&S°SMAB-B37/-B39 and	8 kHz to 50 GHz 8 kHz to 67 GHz (overral) f = 3 GHz +19 dBm +25 dBm +30 dBm f = 12.75 GHz +18 dBm +20 dBm +27 dBm f = 31.8 GHz +13 dBm +17 dBm +22 dBm f = 50 GHz +5 dBm +11 dBm	f = 6 GHz +19 dBm +25 dBm +30 dBm f = 20 GHz +17 dBm +20 dBm +24 dBm f = 40 GHz +13 dBm +16 dBm +20 dBm f = 67 GHz	
Level Maximum specified output power (PEP) Real Real Real Real Real Real Real Real	R&S*SMAB-B167/-B167N R&S*SMAB-B103/-B106 standard with R&S*SMAB-K31 with R&S*SMAB-K31 and R&S*SMAB-B32 R&S*SMAB-B112/-B120 standard with R&S*SMAB-K33 with R&S*SMAB-K33 with R&S*SMAB-K33 with R&S*SMAB-B131/-B140/-B140N standard with R&S*SMAB-B35 with R&S*SMAB-B35 with R&S*SMAB-B35 with R&S*SMAB-B35 and R&S*SMAB-K36 R&S*SMAB-B150/-B150N/-B167/-B167N standard with R&S*SMAB-B37/-B39 with R&S*SMAB-B37/-B39 with R&S*SMAB-B37/-B39 and	8 kHz to 67 GHz (overra f = 3 GHz +19 dBm +25 dBm +30 dBm f = 12.75 GHz +18 dBm +20 dBm +27 dBm f = 31.8 GHz +13 dBm +17 dBm +22 dBm f = 50 GHz +5 dBm +11 dBm	f = 6 GHz +19 dBm +25 dBm +30 dBm f = 20 GHz +17 dBm +20 dBm +24 dBm f = 40 GHz +13 dBm +16 dBm +20 dBm f = 67 GHz	
Level Maximum specified output power (PEP) Rail Rail Rail Spectral purity SSB phase noise f =	R&S*SMAB-B103/-B106 standard with R&S*SMAB-K31 with R&S*SMAB-K31 and R&S*SMAB-B32 R&S*SMAB-B112/-B120 standard with R&S*SMAB-K33 with R&S*SMAB-K33 with R&S*SMAB-B31/-B140/-B140N standard with R&S*SMAB-B35 with R&S*SMAB-B35 with R&S*SMAB-B35 and R&S*SMAB-K36 R&S*SMAB-B150/-B150N/-B167/-B167N standard with R&S*SMAB-B37/-B39 with R&S*SMAB-B37/-B39	f = 3 GHz +19 dBm +25 dBm +30 dBm f = 12.75 GHz +18 dBm +20 dBm +27 dBm f = 31.8 GHz +13 dBm +17 dBm +22 dBm f = 50 GHz +5 dBm +11 dBm	f = 6 GHz +19 dBm +25 dBm +30 dBm f = 20 GHz +17 dBm +20 dBm +24 dBm f = 40 GHz +13 dBm +16 dBm +20 dBm f = 67 GHz	
Maximum specified output power (PEP) Reference of the specified output power (PEP) Reference	with R&S°SMAB-K31 with R&S°SMAB-K31 and R&S°SMAB-B32 R&S°SMAB-B112/-B120 standard with R&S°SMAB-K33 with R&S°SMAB-K33 with R&S°SMAB-K33 and R&S°SMAB-B34 R&S°SMAB-B131/-B140/-B140N standard with R&S°SMAB-B35 with R&S°SMAB-B35 with R&S°SMAB-B35 with R&S°SMAB-B35 and R&S°SMAB-K36 R&S°SMAB-B150/-B150N/-B167/-B167N standard with R&S°SMAB-B37/-B39 with R&S°SMAB-B37/-B39	+19 dBm +25 dBm +30 dBm f = 12.75 GHz +18 dBm +20 dBm +27 dBm f = 31.8 GHz +13 dBm +17 dBm +22 dBm f = 50 GHz +5 dBm +11 dBm	+19 dBm +25 dBm +30 dBm f = 20 GHz +17 dBm +20 dBm +24 dBm f = 40 GHz +13 dBm +16 dBm +20 dBm f = 67 GHz	
Rose Spectral purity SSB phase noise	with R&S°SMAB-K31 with R&S°SMAB-K31 and R&S°SMAB-B32 R&S°SMAB-B112/-B120 standard with R&S°SMAB-K33 with R&S°SMAB-K33 with R&S°SMAB-K33 and R&S°SMAB-B34 R&S°SMAB-B131/-B140/-B140N standard with R&S°SMAB-B35 with R&S°SMAB-B35 with R&S°SMAB-B35 with R&S°SMAB-B35 and R&S°SMAB-K36 R&S°SMAB-B150/-B150N/-B167/-B167N standard with R&S°SMAB-B37/-B39 with R&S°SMAB-B37/-B39	+19 dBm +25 dBm +30 dBm f = 12.75 GHz +18 dBm +20 dBm +27 dBm f = 31.8 GHz +13 dBm +17 dBm +22 dBm f = 50 GHz +5 dBm +11 dBm	+19 dBm +25 dBm +30 dBm f = 20 GHz +17 dBm +20 dBm +24 dBm f = 40 GHz +13 dBm +16 dBm +20 dBm f = 67 GHz	
Road Road Road Road Road Road Road Road	with R&S°SMAB-K31 with R&S°SMAB-K31 and R&S°SMAB-B32 R&S°SMAB-B112/-B120 standard with R&S°SMAB-K33 with R&S°SMAB-K33 with R&S°SMAB-K33 and R&S°SMAB-B34 R&S°SMAB-B131/-B140/-B140N standard with R&S°SMAB-B35 with R&S°SMAB-B35 with R&S°SMAB-B35 and R&S°SMAB-K36 R&S°SMAB-B150/-B150N/-B167/-B167N standard with R&S°SMAB-B37/-B39 with R&S°SMAB-B37/-B39	+25 dBm +30 dBm f = 12.75 GHz +18 dBm +20 dBm +27 dBm f = 31.8 GHz +13 dBm +17 dBm +22 dBm f = 50 GHz +5 dBm +11 dBm	+25 dBm +30 dBm f = 20 GHz +17 dBm +20 dBm +24 dBm f = 40 GHz +13 dBm +16 dBm +20 dBm f = 67 GHz	
Rose Spectral purity SSB phase noise	with R&S°SMAB-K31 and R&S°SMAB-B32 R&S°SMAB-B112/-B120 standard with R&S°SMAB-K33 with R&S°SMAB-K33 and R&S°SMAB-B34 R&S°SMAB-B131/-B140/-B140N standard with R&S°SMAB-B35 with R&S°SMAB-B35 with R&S°SMAB-B35 and R&S°SMAB-K36 R&S°SMAB-B150/-B150N/-B167/-B167N standard with R&S°SMAB-B37/-B39 with R&S°SMAB-B37/-B39 with R&S°SMAB-B37/-B39 and	+30 dBm f = 12.75 GHz +18 dBm +20 dBm +27 dBm f = 31.8 GHz +13 dBm +17 dBm +22 dBm f = 50 GHz +5 dBm +11 dBm	+30 dBm f = 20 GHz +17 dBm +20 dBm +24 dBm f = 40 GHz +13 dBm +16 dBm +20 dBm f = 67 GHz	
Resident Spectral purity SSB phase noise f = 1.5	R&S°SMAB-B112/-B120 standard with R&S°SMAB-K33 with R&S°SMAB-K33 and R&S°SMAB-B34 R&S°SMAB-B131/-B140/-B140N standard with R&S°SMAB-B35 with R&S°SMAB-B35 and R&S°SMAB-K36 R&S°SMAB-B150/-B150N/-B167/-B167N standard with R&S°SMAB-B37/-B39 with R&S°SMAB-B37/-B39	f = 12.75 GHz +18 dBm +20 dBm +27 dBm f = 31.8 GHz +13 dBm +17 dBm +22 dBm f = 50 GHz +5 dBm +11 dBm	f = 20 GHz +17 dBm +20 dBm +24 dBm f = 40 GHz +13 dBm +16 dBm +20 dBm f = 67 GHz	
Rose Spectral purity SSB phase noise	standard with R&S°SMAB-K33 with R&S°SMAB-K33 and R&S°SMAB-B34 R&S°SMAB-B131/-B140/-B140N standard with R&S°SMAB-B35 with R&S°SMAB-B35 and R&S°SMAB-K36 R&S°SMAB-B150/-B150N/-B167/-B167N standard with R&S°SMAB-B37/-B39 with R&S°SMAB-B37/-B39 and	+18 dBm +20 dBm +27 dBm f = 31.8 GHz +13 dBm +17 dBm +22 dBm f = 50 GHz +5 dBm +11 dBm	+17 dBm +20 dBm +24 dBm f = 40 GHz +13 dBm +16 dBm +20 dBm f = 67 GHz	
Residence of the second	with R&S*SMAB-K33 with R&S*SMAB-K33 and R&S*SMAB-B34 R&S*SMAB-B131/-B140/-B140N standard with R&S*SMAB-B35 with R&S*SMAB-B35 with R&S*SMAB-B35 and R&S*SMAB-K36 R&S*SMAB-B150/-B150N/-B167/-B167N standard with R&S*SMAB-B37/-B39 with R&S*SMAB-B37/-B39 and	+20 dBm +27 dBm f = 31.8 GHz +13 dBm +17 dBm +22 dBm f = 50 GHz +5 dBm +11 dBm	+20 dBm +24 dBm f = 40 GHz +13 dBm +16 dBm +20 dBm f = 67 GHz	
Real Real Real Real Real Real Real Real	with R&S°SMAB-K33 and R&S°SMAB-B34 R&S°SMAB-B131/-B140/-B140N standard with R&S°SMAB-B35 with R&S°SMAB-B35 and R&S°SMAB-K36 R&S°SMAB-B150/-B150N/-B167/-B167N standard with R&S°SMAB-B37/-B39 with R&S°SMAB-B37/-B39 and	+27 dBm f = 31.8 GHz +13 dBm +17 dBm +22 dBm f = 50 GHz +5 dBm +11 dBm	+24 dBm f = 40 GHz +13 dBm +16 dBm +20 dBm f = 67 GHz	
Spectral purity SSB phase noise	R&S°SMAB-B131/-B140/-B140N standard with R&S°SMAB-B35 with R&S°SMAB-B35 and R&S°SMAB-K36 R&S°SMAB-B150/-B150N/-B167/-B167N standard with R&S°SMAB-B37/-B39 with R&S°SMAB-B37/-B39 and	f = 31.8 GHz +13 dBm +17 dBm +22 dBm f = 50 GHz +5 dBm +11 dBm	f = 40 GHz +13 dBm +16 dBm +20 dBm f = 67 GHz	
Spectral purity SSB phase noise f =	standard with R&S°SMAB-B35 with R&S°SMAB-B35 and R&S°SMAB-K36 R&S°SMAB-B150/-B150N/-B167/-B167N standard with R&S°SMAB-B37/-B39 with R&S°SMAB-B37/-B39 and	+13 dBm +17 dBm +22 dBm f = 50 GHz +5 dBm +11 dBm	+13 dBm +16 dBm +20 dBm f = 67 GHz	
Spectral purity SSB phase noise	with R&S®SMAB-B35 with R&S®SMAB-B35 and R&S®SMAB-K36 R&S®SMAB-B150/-B150N/-B167/-B167N standard with R&S®SMAB-B37/-B39 with R&S®SMAB-B37/-B39 and	+17 dBm +22 dBm f = 50 GHz +5 dBm +11 dBm	+16 dBm +20 dBm f = 67 GHz	
Spectral purity SSB phase noise	with R&S°SMAB-B35 and R&S°SMAB-K36 R&S°SMAB-B150/-B150N/-B167/-B167N standard with R&S°SMAB-B37/-B39 with R&S°SMAB-B37/-B39 and	+22 dBm f = 50 GHz +5 dBm +11 dBm	+20 dBm f = 67 GHz	
Spectral purity SSB phase noise	R&S°SMAB-B150/-B150N/-B167/-B167N standard with R&S°SMAB-B37/-B39 with R&S°SMAB-B37/-B39 and	f = 50 GHz +5 dBm +11 dBm	f = 67 GHz	
Spectral purity SSB phase noise f =	standard with R&S*SMAB-B37/-B39 with R&S*SMAB-B37/-B39 and	+5 dBm +11 dBm		
Spectral purity SSB phase noise f =	with R&S®SMAB-B37/-B39 with R&S®SMAB-B37/-B39 and	+11 dBm		
Spectral purity SSB phase noise f =	with R&S®SMAB-B37/-B39 and		+5 dBm	
Spectral purity SSB phase noise f =		. 10 dD	+9 dBm	
Spectral purity SSB phase noise f =	R&S°SMAB-K38/-K40	+18 dBm	+10 dBm	
SSB phase noise f =				
· ·				
	= 1 GHz, 1 Hz measurement bandwidth			
,	standard, carrier offset = 20 kHz	< -135 dBc, -140 dBc (1	typ.)	
	with R&S [®] SMAB-B709, carrier offset = 10 kHz	< -140 dBc		
	with R&S°SMAB-B710(N), carrier offset = 10 kHz	< -140 dBc, -145 dBc (typ.)		
	with R&S°SMAB-B711(N), carrier offset = 10 kHz	< -147 dBc, -152 dBc (typ.)		
f :	= 10 GHz, 1 Hz measurement bandwidth			
	standard, carrier offset = 20 kHz	-115 dBc, -120 dBc (typ.)		
	with R&S [®] SMAB-B709, carrier offset = 10 kHz	< -120 dBc		
	with R&S [®] SMAB-B710, carrier offset = 10 kHz	-120 dBc, -125 dBc (typ.)		
	with R&S [®] SMAB-B711, carrier offset = 10 kHz	–128 dBc, –132 dBc (typ.)		
Harmonics				
Instruments equipped with R&S°SMAB-B103/-B106	06 and R&S [®] SMAB/-K31/-B32 options			
10	$10 \text{ MHz} < f \le 6 \text{ GHz}, P = 18 \text{ dBm}$	< -60 dBc		
Instruments equipped with R&S°SMAB-B112/-B120	20 and R&S°SMAB-K33/-B34 options			
10	10 MHz < f ≤ 20 GHz, P = 16 dBm	< -55 dBc		
Instruments equipped with R&S®SMAB-B131/-B140	40(N)/-B150(N)/-B167(N) and R&S®SMAB-B35/-K3	86/-B37/-K38/-B39/-K40 o _l	ptions	
10	10 MHz < f ≤ 31.8 GHz, P = 13 dBm	< -55 dBc		
3°	31.8 GHz < f ≤ 40 GHz, P = 13 dBm	< -60 dBc (meas.)		
40	40 GHz < f ≤ 42.5 GHz, P = 13 dBm	< -50 dBc (meas.)		
Nonharmonics	= 1 GHz, > 10 kHz from carrier, 10 dBm	< -92 dBc		
	= 1 GHz, > 10 kHz from carrier, 10 dBm with R&S°SMAB-B711(N) option	< -100 dBc		
Supported modulation modes	with R&S®SMAB-K720 option	AM, FM, φM		
	with R&S°SMAB-K721 option	scan AM		
	with R&S°SMAB-K22 option			
	> 700 MHz	< 10 ns, 5 ns (typ.)		
On/off ratio			> 80 dB	
Minimum pulse width		> 80 dB		

Service that adds value

- Worldwide
- Local and personalized
- Customized and flexible
- Uncompromising quality
- Long-term dependability

Rohde & Schwarz

The Rohde & Schwarz electronics group offers innovative solutions in the following business fields: test and measurement, broadcast and media, secure communications, cybersecurity, monitoring and network testing. Founded more than 80 years ago, the independent company which is headquartered in Munich, Germany, has an extensive sales and service network with locations in more than 70 countries

Sustainable product design

- Environmental compatibility and eco-footprint
- Energy efficiency and low emissions
- Longevity and optimized total cost of ownership

Certified Quality Management ISO 9001

Certified Environmental Management

Rohde & Schwarz GmbH & Co. KG

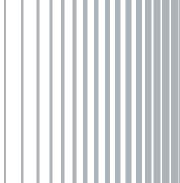
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R&S°SMA100B; RF and microwave signal generator
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