

R&S® SFU-K360

Analog Signals

Specifications

The scope of analog signal applications depends on the R&S® SFx-B3 ARB memory of the R&S® SFx.

Analog signal waveforms	I/Q sequences	country-specific analog signals
ARB memory (R&S® SFx-B3)	recommended waveform memory	1 Gbyte (256 Msample)
	supported waveform memory	512 Mbyte (128 Msample), 1 Gbyte (256 Msample)
Transmission	operating modes	FM, AM, NTSC M, PAL B, PAL G
FM signal (narrowband)	analog sound broadcasting	
	modulation	frequency modulation (FM)
	nominal frequency deviation	±75 kHz
	AF	1 kHz
AM signal	analog sound broadcasting	
	modulation	amplitude modulation (AM)
	modulation depth	30 %
	AF	1 kHz
Two-channel NTSC M	analog TV signal	
	channel bandwidth	6 MHz
	channel scenario	two-channel scenario N ± 1
	video	
	video content	NTSC SMPTE colorbars 75 %
	vision modulation	amplitude modulation (AM), C3F neg., vestigial sideband, standard M
	group delay precorrection	FCC
	line frequency	15734.264 Hz
	width of vestigial sideband	0.75 MHz
	residual carrier	12.5 %
	chroma carrier	3.579545 MHz
	sound	
	vision-sound carrier spacing	4.5 MHz
	sound modulation	frequency modulation (FM), F3E, mono
	audio carrier AF	400 Hz
	nominal frequency deviation	±25 kHz
	sound carrier/vision level	-7 dB



Two-channel PAL B	analog TV signal	
	channel bandwidth	7 MHz
	channel scenario	two-channel scenario N ± 1
	video	
	video content	PAL colorbars 75 %
	vision modulation	amplitude modulation (AM), C3F neg., vestigial sideband, standard B
	group delay precorrection	general
	line frequency	15625 Hz
	width of vestigial sideband	0.75 MHz
	residual carrier	10 %
	chroma carrier	4.43361875 MHz
	sound	
	vision-sound carrier spacing	5.5 MHz
	sound modulation	frequency modulation (FM), F3E, mono
	audio carrier AF	1 kHz
	nominal frequency deviation	±30 kHz
	sound carrier/vision level	-13 dB
Two-channel PAL G	analog TV signal	
	channel bandwidth	8 MHz
	channel scenario	two-channel scenario N ± 1
	video	
	video content	PAL colorbars 75 %
	vision modulation	amplitude modulation (AM), C3F neg., vestigial sideband, standard G
	group delay precorrection	general
	line frequency	15625 Hz
	width of vestigial sideband	0.75 MHz
	residual carrier	10 %
	chroma carrier	4.43361875 MHz
	sound	
	vision-sound carrier spacing	5.5 MHz
	sound modulation	frequency modulation (FM), F3E, mono
	audio carrier AF	1 kHz
	nominal frequency deviation	±30 kHz
	sound carrier/vision level	-13 dB
Waveform support	R&S®SFU	full support of all analog signal waveforms
	R&S®SFE	full support of all analog signal waveforms
	R&S®SFE100	full support of all analog signal waveforms

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