

Comparison IC-7300 - SunSDR2Pro



Settings

IC-7300: CW, B=500Hz, Preamp off, IP+ on

SunSDR2Pro: CW, B=500Hz, Preamp on, Dither/Random on

	IC-7300	SunSDR2Pro	Remarks
Receiver			
Direct-Sampling SDR	yes	yes	
ADC	14Bit	16Bit	
Frequency range	0.03-30/54MHz*	0.09-65MHz 96-148MHz	* Guaranteed Range 0.05-29.99MHz, 50-54MHz
MDS f=14.1MHz/500Hz	-134dBm -142dBm	-126dBm -133dBm	Preamplifier off, Dither/Rand off Preamplifier on, Dither/Rand off
Noise f=14.1MHz/500Hz	13dB 5dB	21dB 13dB	Preamplifier off Preamplifier on
RMDR Offset f = 1kHz	102dBc	109dBc	
SBN Offset f = 1kHz	-129dBc/Hz	-129dBc/Hz	
IMD3 f1=7.050MHz, f2=7.051MHz Pi=2x-20dBm	103dBc	105dB	Max. IMD3 in Sweet Spot
NPR (Noise Power Ratio) IP+ resp. Dither/Rand on Notch at 2.4MHz	76dB	73dB*	* in the 180m band the NPR decreases to 65dB caused by IM produced from LP-Filter 0-2.5MHz
Transmitter			
Power, max. 14.1MHz	101.6W	19.5W	
IMD3 distance at max. power 14.1MHz (+/-1kHz)	38dBc	37dBc	
2nd harmonic suppression 14.1MHz	81dBc	77dBc	
Tuner, build in	yes	no	
Software/Internet			
PC act as an Internet-Server	yes	yes	
RPI3 act as an Internet-Server	no	yes	
Direct Web-Server connection to a Smartphone and/or Tablet	no	yes	
Software easy to install	No	yes	

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DC4KU

June 23, 2019