

Sherwood Engineering HF Test Results

Model Flex 3000

Serial # 1809-0044

Test Date: 08/15/2009

IF BW 6000 –6 / -60, kHz		Ultimate	dB
IF BW 2400 –6 / -60, kHz		Ultimate	dB
IF BW 1800 –6 / -60, kHz		Ultimate	dB
IF BW 500 –6 / -60, Hz		Ultimate	dB
Front End Selectivity (A – F)			
IF Rejection, 14.2 MHz @	kHz IF		dB
First IF image rejection @	19 kHz:	71	dB
Dynamic Range 100 kHz	93	Noise	dB
Dynamic Range 20 kHz	90	Noise	dB
Dynamic Range 5 kHz			dB
Dynamic Range 2 kHz	90	Noise	dB
Dynamic Range 1 kHz			dB
Blocking above noise floor at 100 kHz spacing, 1 uV signal, AGC On:		116	dB
Phase noise (normalized) at 10 kHz spacing:		-120	dBc
Noise floor, SSB bandwidth 14 MHz, Preamp Off, AGC-T 85:		-114	dBm
Noise floor, SSB bandwidth 14 MHz, Preamp 1 On, AGC-T 85:		-133	dBm
Sensitivity at 14 MHz, Preamp Off, AGC-T 85:		1.35	uV
Sensitivity at 14 MHz, Preamp 1 On, AGC-T 85:		0.16	uV
Noise floor, 500 Hz, 14.2 MHz, Preamp Off:		-123	dBm
Noise floor, 500 Hz, 14.2 MHz, Preamp 1 On:		-139	dBm
Noise floor, SSB bandwidth 50.125 MHz, Preamp Off, AGC-T 85:		-103	dBm
Noise floor, SSB bandwidth 50.125 MHz, Preamp 1 On, AGC-T 85:		-128	dBm
Sensitivity at 50.125 MHz, Preamp Off, AGC-T 85:		3.8	uV
Sensitivity at 50.125 MHz, Preamp 1 On, AGC-T 85:		0.2	uV
Noise floor, 500 Hz, 50.125 MHz, Preamp Off:		-113	dBm
Noise floor, 500 Hz, 50.125 MHz, Preamp 1 On:		-135	dBm
Signal for S9, Preamp ATT / Off / On:		-73/-73/-73	dBm
Preamp & Att gain / loss on 20 meters:		+24 / -20	dB
AGC threshold at 3 dB, Preamp Off, AGC-T 90:		2.1	uV
AGC threshold at 3 dB, Preamp 1 On, AGC-T 90:		0.13	uV
AGC threshold at 3 dB, 20 dB Att On, AGC-T 90:		20.6	uV