Sherwood Engineering HF Test Results

Model Yaesu FT-991	Serial # 4N02	0453	Test Date: 08	t Date: 08/04/2015	
IF BW 2400 –6 / -60, Hz: 2 IF BW 500 –6 /-60, Hz: 49 * Phase noise limited		Ultimate Ultimate	(spurious)	80 80*	dB dB
Front End Selectivity (A – I First & second IF rejection					dB
Dynamic Range with radio, Dynamic Range 20 kHz Dynamic Range 10 kHz Dynamic Range 5 kHz Dynamic Range 2 kHz # Combination of phase noi * Consisted of phase noise of	se and 3 rd order	product		96 89# 81# 72#	dB dB dB dB
Blocking above noise floor, (Audio [noise] signal went u	_		, 500-Hz BW	133	dB
Phase noise (normalized) at Ph	5 kHz spacing: 10 kHz spacing 20 kHz spacing 30 kHz spacing 40 kHz spacing 50 kHz spacing 80 kHz spacing 100 kHz spacing 200 kHz spacin 200 kHz spacin 400 kHz spacin 400 kHz spacin 400 kHz spacin 400 kHz spacin	: : : : : : : : : : : : : : : : : : :		-104 -111 -120 -128 -132 -135 -137 -142 -143 -146 -146 -147 -119 -131	dBc
Noise floor, SSB bandwidth Sensitivity at 14 MHz, no pa Sensitivity at 14 MHz, Prea Sensitivity at 14 MHz, Prea	reamp (10 dE mp 1 On	np 2 On 3 S+N/N)		-138 0.7 0.17 0.08	dBm uV uV uV
, 110u	r ·-			0.00	

Noise floor, 500 Hz, 14.2 MHz, no preamp		-123	dBm
Noise floor, 500 Hz, 14.2 MHz, Preamp 1 On		-135	dBm
Noise floor, 500 Hz, 14.2 MHz, Preamp 2 On		-143	dBm
Noise floor, 500 Hz, 50.125 MHz, no preamp Noise floor, 500 Hz, 50.125 MHz, Preamp 1 On Noise floor, 500 Hz, 50.125 MHz, Preamp 2 On			dBm dBm dBm
Noise floor, SSB, 50.125 MHz, no preamp Noise floor, SSB, 50.125 MHz, Preamp 1 Noise floor, SSB, 50.125 MHz, Preamp 2			dBm dBm dBm
Signal for S9, no preamp	-65 dBm	126	uV
Signal for S9, Preamp 1	-77 dBm	32	uV
Signal for S9, Preamp 2	-88 dBm	9	uV
Gain of preamp(s) Preamp 1 Preamp 2		12 23	dB dB
AGC threshold at 3 dB, no preamp		5	uV
AGC threshold at 3 dB, Preamp 1 On		1.2	uV
AGC threshold at 3 dB, Preamp 2 On		0.33	uV

Notes: