

Tom Williams

Vintage Electronics Restoration Service

Catrafter

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Receiver Performance Report

Make: Marantz	Model: 2215B	Serial: 1XX597J4	Build: 03/04/76
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Maximum Power Output Before Clipping	Watts/8 Ω
Left Channel	<i>19.5</i>
Right Channel	<i>19.4</i>

Distortion At Rated Power Output 15 Watts/8 Ω	THD ≤ 0.8%	IMD ≤ 0.8%
Left Channel	<i>0.20%</i>	<i>0.16%</i>
Right Channel	<i>0.20%</i>	<i>0.15%</i>

Frequency Response At Rated Power Output 15 Watts/8 Ω	±1.5dB (20Hz to 20KHz)
Left Channel	<i>+0.69/-0.30dB</i>
Right Channel	<i>+0.71/-0.31dB</i>

Power Band at Rated Output	≤40Hz to ≥20kHz
Left Channel	<i>10Hz to 48kHz</i>
Right Channel	<i>10Hz to 48kHz</i>

Signal To Noise Ratio	≥ 85dB
Left Channel	<i>86.9dB</i>
Right Channel	<i>86.9dB</i>

Measured values are in Italics

FM Tuner

IHF Sensitivity (50dB quieting, mono)	$\leq 4.0\mu\text{V}$		$2.75\mu\text{V}$	
IHF Sensitivity (50dB quieting, stereo)	$\leq 50\mu\text{V}$		$12.5\mu\text{V}$	
RF Input for 30dB quieting (mono)	$\leq 2.2\mu\text{V}$		$1.75\mu\text{V}$	
Quieting slope	Mono		Stereo	
	$5\mu\text{V}$	$\geq 48\text{dB}$	49dB	
	$10\mu\text{V}$	$\geq 55\text{dB}$	56dB	
	$50\mu\text{V}$	$\geq 63\text{dB}$	64dB	
	$1000\mu\text{V}$	$\geq 68\text{dB}$	69dB	
THD at $1000\mu\text{V}$	$\leq 0.40\%$	0.2%	$\leq 0.7\%$	0.40%
Hum and Noise $1000\mu\text{V}$	$\geq 68\text{dB}$	69dB	$\geq 55\text{dB}$	57dB
Frequency Response 30Hz to 15KHz	$\pm 1.5\text{dB}$	$+0.8/-0.70\text{dB}$	$\pm 2.0\text{dB}$	$+0.9/-0.70\text{dB}$

Stereo Separation			
	100 Hz	$\geq 35\text{dB}$	40dB
	1000Hz	$\geq 38\text{dB}$	40dB
	10KHz	$\geq 30\text{dB}$	40dB
FM Dial Tracking	No Specification		OK

AM Tuner

AM Sensitivity (IHF Useable)	$\leq 25\mu\text{V}$	$20\mu\text{V}$
THD	$\leq 0.7\%$	0.60%
AM Dial Tracking	No Specification	
	OK	

Measured values are in Italics

Initials: