

## Secondary Compensations

Test:	secondary adjustment ranges
Date:	7/4/2011
Head assembly:	APR-1 NAB stereo
Speed, preset:	15 ips, A
Tape type:	Agfa PEM 468

<b>RGC:</b> repro gap, 10–25 kHz, +6 dB HF range, input: 20 kHz								
	C8	C9	CA	CB	CC	CD	CE	CF
	1 of 8	2 of 8	3 of 8	4 of 8	5 of 8	6 of 8	7 of 8	8 of 8
	+0.0	+0.5	+0.9	+2.1	+2.9	+4.2	+4.8	+6.0
<b>RGC:</b> repro gap, 10–25 kHz, +6 dB HF range, +3 dB LF range, input: 31 Hz								
	C0	C1	C2	C3	C4	C5	C6	C7
	1 of 8	2 of 8	3 of 8	4 of 8	5 of 8	6 of 8	7 of 8	8 of 8
	+0.0	+0.5	+0.9	+2.1	+2.9	+4.2	+4.8	+6.0
<b>SGC:</b> repro gap, 10–25 kHz, +6 dB HF range, input: 20 kHz								
	C8	C9	CA	CB	CC	CD	CE	CF
	1 of 8	2 of 8	3 of 8	4 of 8	5 of 8	6 of 8	7 of 8	8 of 8
	+							
<b>SGC:</b> repro gap, 10–25 kHz, +6 dB HF range, +3 dB LF range, input: 20 kHz								
	C0	C1	C2	C3	C4	C5	C6	C7
	1 of 8	2 of 8	3 of 8	4 of 8	5 of 8	6 of 8	7 of 8	8 of 8
	+							
<b>RCB:</b> record feedback, 2–8 kHz, +4.3 dB HF range, input: 7.8 kHz [decreasing control codes]								
	C7	C6	C5	C4	C3	C2	C1	C0
	1 of 8	2 of 8	3 of 8	4 of 8	5 of 8	6 of 8	7 of 8	8 of 8
	+0.0	+0.2	+0.5	+0.8	+1.7	+2.4	+3.4	+4.3
<b>RCF</b> record feedforward, 8–25 kHz, +4.5 dB HF range, input: 20 kHz								
	C0	C1	C2	C3	C4	C5	C6	C7
	1 of 8	2 of 8	3 of 8	4 of 8	5 of 8	6 of 8	7 of 8	8 of 8
	+0.0	+0.3	+0.7	+1.5	+2.4	+2.9	+3.4	+4.5
<b>RCF</b> record feedforward, 8–25 kHz, +4.5 dB HF range, input: 20 kHz								
	C8	C9	CA	CB	CC	CD	CE	CF
	1 of 8	2 of 8	3 of 8	4 of 8	5 of 8	6 of 8	7 of 8	8 of 8
	+0.0	+0.3	+0.7	+1.5	+2.4	+2.9	+3.4	+4.5
	[RCF values C0–C7 are functionally identical to C8–CF]							

Note: recorder not completely aligned at the time the secondary compensation range was measured, 2011-07-04, 6:36 AM, so the adjustment range may vary slightly from these measurements. SGC values copied from RGC, not yet individually measured.