SLS CPA6600v2/6600v2-I

PROCESSOR SETTINGS - ANECHOIC & SUBJECTIVE

PROCESSOR SETTINGS/ANECHOIC*

Crossover Section	Frequency Hz	Slope	Delay/msec	Gain/dB	Phase
HPF	65Hz	24dB/oct (4th Order) Butterworth			
w/Adjacent Sub HPF	75Hz	24dB/oct (4th order) Butterworth			

EQ Section[1]	Frequency Hz	Q	Bandwidth[2]	Level/dB
	300Hz	4.8	0.3	-3dB
	630Hz	3.6	0.4	-3dB
	1,060Hz	3.6	0.4	+4dB
	2,000Hz	3.6	0.4	-5dB
	11,300Hz	1.4	1	+3dB

Limiting Section[3]	Threshold Voltage	Attack/msec	Release/msec	Peak Stop Voltage
	40V	16msec	256msec	56V

*Processor settings/Anechoic - Determined in an anechoic environment, and used to produce frequency-response, polar charts, and power-handling specifications.

1. DSP parametric filter algorithms vary between DSP manufacturers, so values derived on one DSP do not necessarily translate accurately to another manufacturer's DSP. It is recommended that the Q values shown be used as a starting point when programming filter values, as these are typically a more accurate mathematical representation of the original filter values. A calibrated mic and quality transfer-function-based measurement system like SysTune or SMAART should always be used to tune the system to the specific acoustic properties of the room. XTA DSPs were used to determine the filter values shown.

2. Equalization Settings were developed in an anechoic environment.

3. See Application Note, "Setting System Limiters."

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EQ Section[1]	Frequency Hz	Q	Bandwidth	Level/dB
Input EQ	1,280Hz	5.7	0.25	-3dB
	1,650Hz	12	0.125	-2dB
	1,850Hz	11.3	0.1275	-3dB
	2.290Hz	5.7	.25	-2.5dB
Output EQ	223Hz	4.8	0.3	-5dB
	472Hz	7.1	0.2	-4dB
	595Hz	4.8	0.3	-5dB
	908Hz	4.8	0.3	-4dB
	3,240Hz	5.7	0.25	-2dB
	4,320Hz	4.5	0.32	+2dB
	6,860Hz	5.7	0.25	-2dB
	14,300Hz	2.8	0.5	+2dB

**Processor settings/Subjective - Baseline suggested performance settings. Sound system/room interactions are complex, and array configurations and various environmental conditions affect system performance.

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