SDM-App report

Pablo Manrique+Merchán

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Specifications

Input Specifications

FOM (dB)	SNR (dB)	BW (Hz)	Power (W)
140	80	100000	0.100000000000000001

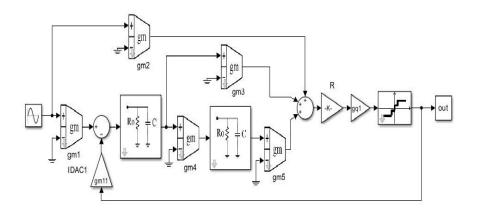
RNN Output Specifications

FOM (dB)	SNR (dB)	BW (Hz)	Power (W)
129.22438604206101	68.466234659345602	100000	0.083981738700000003

FOM Improving Specifications

FOM (dB)	SNR (dB)	BW (Hz)	Power (W)
148.54386701669901	87.978315034229993	100000	0.087789950015485493

Selected Architecture:2ndGmCSDM



Design Variables

Design Variables	RNN DVars	Improved FOM DVars
'OSR'	311.41077000000001	310.26666484905201
'C'	1.8697748000000001e-09	1.8159558014672901e-09
'Adc11'	2493.8957999999998	2393.7705566141699
'Adc12'	1758.4342999999999	1815.33274535592
'R11'	-1359683.5	-1315495.1102257699
'R12'	-1117340	-1079749.3202999199
'GBW1'	167909140	170696217.075858
'GBW2'	410220480	426399139.88647199
'Cp1'	2.8540487e-10	2.8587744933019299e-10
'Cp2'	4.0688289999999999e-10	4.1513051024886999e-10
'IIP3'	10.069229	9.7204212174376998
'gm'	0.0094894620000000006	0.0099197683633316901

Power Spectral Density Graph

