

		Direct					GEMM					Winograd				
		Frequency [MHz]					Frequency [MHz]					Frequency [MHz]				
Inference	Voltage [mV]	1270	1350	1440	1530	1600	1270	1350	1440	1530	1600	1270	1350	1440	1530	1600
	1200	1.21	1.14	1.09	1.02	<u>1.00</u>	1.15	1.13	1.04	1.02	<u>1.00</u>	1.14	1.10	1.05	1.02	<u>1.00</u>
	1150	1.09	1.03	0.97	<u>0.93</u>	0.90	1.05	1.02	0.94	<u>0.91</u>	0.88	1.05	1.02	0.97	<u>0.94</u>	0.93
	1100	0.99	0.93	<u>0.88</u>	0.84	0.81	0.94	0.90	<u>0.85</u>	0.82	0.79	0.95	0.92	<u>0.88</u>	0.87	0.81
	1050	0.90	<u>0.84</u>	0.79	0.76	0.73	0.85	<u>0.80</u>	0.77	0.74	0.71	0.84	<u>0.81</u>	0.79	0.77	0.75
	1000	<u>0.81</u>	0.76	0.72	0.68	0.66	<u>0.76</u>	0.72	0.70	0.66		<u>0.74</u>	0.70	0.67	0.64	
	950	0.73	0.68	0.65			0.69	0.65	0.62			0.66	0.61	0.58		
	900	0.65	0.61				0.61	0.62				0.59				
		Frequency [MHz]					Frequency [MHz]					Frequency [MHz]				
Training	Voltage [mV]	1270	1350	1440	1530	1600	1270	1350	1440	1530	1600	1270	1350	1440	1530	1600
	1200	1.15	1.09	1.03	1.02	<u>1.00</u>	1.16	1.11	1.06	1.02	<u>1.00</u>	1.13	1.09	1.05	1.01	<u>1.00</u>
	1150	1.05	0.98	0.92	<u>0.89</u>	0.85	1.05	0.99	0.95	<u>0.92</u>	0.89	1.03	0.99	0.95	<u>0.92</u>	0.91
	1100	0.94	0.88	<u>0.83</u>	0.78	0.74	0.95	0.90	<u>0.84</u>	0.81	0.79	0.92	0.89	<u>0.86</u>	0.83	0.81
	1050	0.85	<u>0.79</u>	0.75	0.70	0.67	0.86	<u>0.81</u>	0.75	0.73	0.69	0.82	<u>0.78</u>	0.75	0.74	0.72
	1000	<u>0.77</u>	0.71	0.69	0.64	0.60	<u>0.78</u>	0.72	0.69	0.65		<u>0.73</u>	0.69	0.66	0.62	
	950	0.69	0.64	0.62			0.70	0.65	0.62			0.65	0.61			
	900	0.63	0.59				0.63	0.61				0.58				

Underlined results correspond to default V-F pairs.