

Memory OC																								IMLC Latency(mtc -load_latency_Wt-15)																								IMLC Bandwidth(mtc -load_latency_Wt-15)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
Freq	ICL	IRCL	IRP	IRAS	ICMD	IWR	IFRC	IRRD_L	IRRD_S	IWTR_L	IWTR_S	IRTP	ITD	IFAW	IKWL	IREFI	ICKE	IRDRD	IRDRW	IRDRS	IWRWR	RTLJOL	0	1	2	3	4	5	10	15	20	30	40	50	100	200	300	400	500	700	1000	1300	1700	2500	3500	5000	9000	20000																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
4400	18	22	22	42	2	26	789	12	9	18	12	12	55	18	17181	8.8/4/9	16/16/16	4236/99	8/4/9	721/4	0.717	0.717	0.781	0.775	0.583	68	579.17	475.1	558.9	500	77.3	50.4	61.58	48.74	44.1	44.6	43.58	42.9	41.4	28.63	28.43	28.37	28.22	28.33	28.69	29.29	29.88	30.48	31.08	31.68	32.28	32.88	33.48	34.08	34.68	35.28	35.88	36.48	37.08	37.68	38.28	38.88	39.48	40.08	40.68	41.28	41.88	42.48	43.08	43.68	44.28	44.88	45.48	46.08	46.68	47.28	47.88	48.48	49.08	49.68	50.28	50.88	51.48	52.08	52.68	53.28	53.88	54.48	55.08	55.68	56.28	56.88	57.48	58.08	58.68	59.28	59.88	60.48	61.08	61.68	62.28	62.88	63.48	64.08	64.68	65.28	65.88	66.48	67.08	67.68	68.28	68.88	69.48	70.08	70.68	71.28	71.88	72.48	73.08	73.68	74.28	74.88	75.48	76.08	76.68	77.28	77.88	78.48	79.08	79.68	80.28	80.88	81.48	82.08	82.68	83.28	83.88	84.48	85.08	85.68	86.28	86.88	87.48	88.08	88.68	89.28	89.88	90.48	91.08	91.68	92.28	92.88	93.48	94.08	94.68	95.28	95.88	96.48	97.08	97.68	98.28	98.88	99.48	100.08	100.68	101.28	101.88	102.48	103.08	103.68	104.28	104.88	105.48	106.08	106.68	107.28	107.88	108.48	109.08	109.68	110.28	110.88	111.48	112.08	112.68	113.28	113.88	114.48	115.08	115.68	116.28	116.88	117.48	118.08	118.68	119.28	119.88	120.48	121.08	121.68	122.28	122.88	123.48	124.08	124.68	125.28	125.88	126.48	127.08	127.68	128.28	128.88	129.48	130.08	130.68	131.28	131.88	132.48	133.08	133.68	134.28	134.88	135.48	136.08	136.68	137.28	137.88	138.48	139.08	139.68	140.28	140.88	141.48	142.08	142.68	143.28	143.88	144.48	145.08	145.68	146.28	146.88	147.48	148.08	148.68	149.28	149.88	150.48	151.08	151.68	152.28	152.88	153.48	154.08	154.68	155.28	155.88	156.48	157.08	157.68	158.28	158.88	159.48	160.08	160.68	161.28	161.88	162.48	163.08	163.68	164.28	164.88	165.48	166.08	166.68	167.28	167.88	168.48	169.08	169.68	170.28	170.88	171.48	172.08	172.68	173.28	173.88	174.48	175.08	175.68	176.28	176.88	177.48	178.08	178.68	179.28	179.88	180.48	181.08	181.68	182.28	182.88	183.48	184.08	184.68	185.28	185.88	186.48	187.08	187.68	188.28	188.88	189.48	190.08	190.68	191.28	191.88	192.48	193.08	193.68	194.28	194.88	195.48	196.08	196.68	197.28	197.88	198.48	199.08	199.68	200.28	200.88	201.48	202.08	202.68	203.28	203.88	204.48	205.08	205.68	206.28	206.88	207.48	208.08	208.68	209.28	209.88	210.48	211.08	211.68	212.28	212.88	213.48	214.08	214.68	215.28	215.88	216.48	217.08	217.68	218.28	218.88	219.48	220.08	220.68	221.28	221.88	222.48	223.08	223.68	224.28	224.88	225.48	226.08	226.68	227.28	227.88	228.48	229.08	229.68	230.28	230.88	231.48	232.08	232.68	233.28	233.88	234.48	235.08	235.68	236.28	236.88	237.48	238.08	238.68	239.28	239.88	240.48	241.08	241.68	242.28	242.88	243.48	244.08	244.68	245.28	245.88	246.48	247.08	247.68	248.28	248.88	249.48	250.08	250.68	251.28	251.88	252.48	253.08	253.68	254.28	254.88	255.48	256.08	256.68	257.28	257.88	258.48	259.08	259.68	260.28	260.88	261.48	262.08	262.68	263.28	263.88	264.48	265.08	265.68	266.28	266.88	267.48	268.08	268.68	269.28	269.88	270.48	271.08	271.68	272.28	272.88	273.48	274.08	274.68	275.28	275.88	276.48	277.08	277.68	278.28	278.88	279.48	280.08	280.68	281.28	281.88	282.48	283.08	283.68	284.28	284.88	285.48	286.08	286.68	287.28	287.88	288.48	289.08	289.68	290.28	290.88	291.48	292.08	292.68	293.28	293.88	294.48	295.08	295.68	296.28	296.88	297.48	298.08	298.68	299.28	299.88	300.48	301.08	301.68	302.28	302.88	303.48	304.08	304.68	305.28	305.88	306.48	307.08	307.68	308.28	308.88	309.48	310.08	310.68	311.28	311.88	312.48	313.08	313.68	314.28	314.88	315.48	316.08	316.68	317.28	317.88	318.48	319.08	319.68	320.28	320.88	321.48	322.08	322.68	323.28	323.88	324.48	325.08	325.68	326.28	326.88	327.48	328.08	328.68	329.28	329.88	330.48	331.08	331.68	332.28	332.88	333.48	334.08	334.68	335.28	335.88	336.48	337.08	337.68	338.28	338.88	339.48	340.08	340.68	341.28	341.88	342.48	343.08	343.68	344.28	344.88	345.48	346.08	346.68	347.28	347.88	348.48	349.08	349.68	350.28	350.88	351.48	352.08	352.68	353.28	353.88	354.48	355.08	355.68	356.28	356.88	357.48	358.08	358.68	359.28	359.88	360.48	361.08	361.68	362.28	362.88	363.48	364.08	364.68	365.28	365.88	366.48	367.08	367.68	368.28	368.88	369.48	370.08	370.68	371.28	371.88	372.48	373.08	373.68	374.28	374.88	375.48	376.08	376.68	377.28	377.88	378.48	379.08	379.68	380.28	380.88	381.48	382.08	382.68	383.28	383.88	384.48	385.08	385.68	386.28	386.88	387.48	388.08	388.68	389.28	389.88	390.48	391.08	391.68	392.28	392.88	393.48	394.08	394.68	395.28	395.88	396.48	397.08	397.68	398.28	398.88	399.48	400.08	400.68	401.28	401.88	402.48	403.08	403.68	404.28	404.88	405.48	406.08	406.68	407.28	407.88	408.48	409.08	409.68	410.28	410.88	411.48	412.08	412.68	413.28	413.88	414.48	415.08	415.68	416.28	416.88	417.48	418.08	418.68	419.28	419.88	420.48	421.08	421.68	422.28	422.88	423.48	424.08	424.68	425.28	425.88	426.48	427.08	427.68	428.28	428.88	429.48	430.08	430.68	431.28	431.88	432.48	433.08	433.68	434.28	434.88	435.48	436.08	436.68	437.28	437.88	438.48	439.08	439.68	440.28	440.88	441.48	442.08	442.68	443.28	443.88	444.48	445.08	445.68	446.28	446.88	447.48	448.08	448.68	449.28	449.88	450.48	451.08	451.68	452.28	452.88	453.48	454.08	454.68	455.28	455.88	456.48	457.08	457.68	458.28	458.88	459.48	460.08	460.68	461.28	461.88	462.48	463.08	463.68	464.28	464.88	465.48	466.08	466.68	467.28	467.88	468.48	469.08	469.68	470.28	470.88	471.48	472.08	472.68	473.28	473.88	474.48	475.08	475.68	476.28	476.88	477.48	478.08	478.68	479.28	479.88	480.48	481.08	481.68	482.28	482.88	483.48	484.08	484.68	485.28	485.88	486.48	487.08	487.68	488.28	488.88	489.48	490.08	490.68	491.28	491.88	492.48	493.08	493.68	494.28	494.88	495.48	496.08	496.68	497.28	497.88	498.48	499.08	499.68	500.28	500.88	501.48	502.08	502.68	503.28	503.88	504.48	505.08	505.68	506.28	506.88	507.48	508.08	508.68	509.28	509.88	510.48	511.08	511.68	512.28	512.88	513.48	514.08	514.68	515.28	515.88	516.48	517.08	517.68	518.28	518.88	519.48	520.08	520.68	521.28	521.88	522.48	523.08	523.68	524.28	524.88	525.48	526.08	526.68	527.28	527.88	528.48	529.08	529.68	530.28	530.88	531.48	532.08	532.68	533.28	533.88	534.48	535.08	535.68	536.28	536.88	537.48	538.08	538.68	539.28	539.88	540.48	541.08	541.68	542.28	542.88	543.48	544.08	544.68	545.28	545.88	546.48	547.08	547.68	548.28	548.88	549.48	550.08	550.68	551.28	551.88	552.48	553.08	553.68	554.28	554.88	555.48	556.08	556.68	557.28	557.88	558.48	559.08	559.68	560.28	560.88	561.48	562.08	562.68	563.28	563.88	564.48	565.08	565.68	566.28	566.88	567.48	568.08	568.68	569.28	569.88	570.48	571.08	571.68	572.28	572.88	573.48	574.08	574.68	575.28	575.88	576.48	577.08	577.68	578.28	578.88	579.48	580.08	580.68	581.28	581.88	582.48	583.08	583.68	584.28	584.88	585.48	586.08	586.68	587.28	587.88	588.48	589.08	589.68	590.28	590.88	591.48	592.08	592.68	593.28	593.88	594.48	595.08	595.68	596.28	596.88	597.48	598.08	598.68	599.28	599.88	600.48	601.08	601.68	602.28	602.88	603.48	604.08	604.68	605.28	605.88	606.48	607.08	607.68	608.28	608.88	609.48	610.08	610.68	611.28	611.88	612.48	613.08	613.68	614.28	614.88	615.48	616.08	616.68	617.28	617.88	618.48	619.08	619.68	620.28	620.88	621.48	622.08	622.68	623.28	623.88	624.48	625.08	625.68	626.28	626.88	627.48	628.08	628.68	629.28	629.88	630.48	631.08	631.68	632.28	632.88	633.48	634.08	634.68	635.28	635.88	636.48	637.08	637.68	638.28	638.88	639.48	640.08	640.68	641.28	641.88	642.48	643.08	643.68	644.28	644.88	645.48	646.08	646.68	647.28	647.88	648.48	649.08	649.68	650.28	650.88	651.48	652.08	652.68	653.28	653.88	654.48	655.08	655.68	656.28	656.88	657.48	658.08	658.68	659.28	659.88	660.48	661.08	661.68	662.28	662.88	663.48	664.08	664

4400	16	16	16	28	2	12	300	4	4	16	4	6	16	14	17181	8	8/4/9/9	16/16/16/16	36/24/9/9	8/4/9/9	68/14	337.21	337.76	338.43	338.35	340.41	339.77	338.62	331.73	308.6	63.77	47.97	42.78	40.74	39.41	38.12	37.34	36.76	36.11	35.55	48106.2	48109.8	48104.8	48103.8	48099.9	48110.5	48132.8	48169.7	48285.8	44085.4	32658.7	23725.8	18804.3	14881.1	10750.7	8217.6	6307.6	4316.4	2947.4
4400	16	16	16	28	2	12	300	4	4	15	4	6	16	14	17181	8	8/4/9/9	16/16/16/16	35/24/9/9	8/4/9/9	68/14	338.16	337.79	337.9	336.98	340.51	339.82	336.66	331.75	305.92	63.51	47.86	42.65	40.55	39.24	37.93	37.15	36.55	35.91	35.37	48068.2	48066.7	48076	48086.9	48067.3	48074.2	48097.3	48134.6	48262.8	44049.5	32630.6	23697.8	18797.5	14874.1	10749.7	8218.4	6311.9	4323.4	2955.8
4400	16	16	16	28	2	12	300	4	4	14	4	6	16	14	17181	8	8/4/9/9	16/16/16/16	34/24/9/9	8/4/9/9	68/14	337.62	336.68	336.45	336.29	339.58	338.98	335.8	330.95	305.61	63.12	47.68	42.55	40.5	39.2	37.9	37.12	36.53	35.9	35.36	48187.8	48189.3	48194.7	48188.4	48188.3	48195.8	48224.1	48251.7	48383.3	44086.8	32629	23711.7	18800.3	14877.8	10751.1	8221.4	6312.8	4324.2	2956
4400	16	16	16	28	2	12	300	4	4	13	4	6	16	14	17181	8	8/4/9/9	16/16/16/16	33/24/9/9	8/4/9/9	68/14	335.96	335.16	334.16	334.57	338.19	337.29	334.73	329.76	305.62	62.86	47.42	42.36	40.29	39.03	37.74	36.97	36.4	35.76	35.22	48386.4	48387.5	48394.1	48386.2	48385.4	48391	48419.6	48445.4	48572.7	44244	32764.8	23805.9	18877.3	14932.1	10795.5	8253.5	6337.4	4341.2	2967.9
4400	16	16	16	28	2	12	300	4	4	12	4	6	16	14	17181	8	8/4/9/9	16/16/16/16	32/24/9/9	8/4/9/9	68/14	336.67	336.15	335.67	335.98	338.94	338.35	335.51	329.93	305.58	62.65	47.48	42.46	40.4	39.14	37.85	37.1	36.53	35.89	35.36	48292.5	48290.5	48300.5	48288.5	48289.8	48297	48324.3	48359.9	48485	44089	32646.2	23716.8	18804.5	14879.1	10753.8	8221.9	6312.8	4324.2	2956
4400	16	16	16	28	2	12	300	4	4	11	4	6	16	14	17181	8	8/4/9/9	16/16/16/16	31/24/9/9	8/4/9/9	68/14	335.66	336.18	334.58	334.83	338.66	338.1	335.13	330.96	304.43	62.67	47.48	42.52	40.52	39.3	38.05	37.3	36.74	36.12	35.58	48294.8	48294.7	48301	48294.2	48293.3	48301.7	48328.9	48359.9	48489.1	44084.4	32629.9	23714.7	18799.7	14870.2	10744.8	8221.9	6302.8	4313.4	2944.7
4400	16	16	16	28	2	12	300	4	4	10	4	6	16	14	17181	8	8/4/9/9	16/16/16/16	30/24/9/9	8/4/9/9	68/14	334.75	334.72	334.9	334.21	337.26	336.3	333.99	328.54	303.32	62.1	47.11	42.16	40.19	38.91	37.69	36.93	36.37	35.75	35.21	48549.8	48548.2	48552.9	48547.3	48545.8	48552	48584.3	48619.9	48740.3	44296.9	32780.8	23807.7	18883.1	14943.1	10797.5	8255.3	6338.9	4341.8	2968.2
4400	16	16	16	28	2	12	300	4	4	9	4	6	16	14	17181	8	8/4/9/9	16/16/16/16	29/24/9/9	8/4/9/9	68/14	335.33	333.94	334.75	334	336.94	336.31	333.4	328.91	303.93	62.01	47.05	42.11	40.11	38.88	37.67	36.91	36.36	35.73	35.23	48577.2	48579.1	48582	48578.8	48575.1	48583	48613.7	48644.6	48779.8	44264.7	32775.5	23811.4	18885.4	14946.1	10798.9	8256.7	6338.9	4343.1	2967.3
4400	16	16	16	28	2	12	300	4	4	8	4	6	16	14	17181	8	8/4/9/9	16/16/16/16	28/24/9/9	8/4/9/9	68/14	334.69	334.29	335	332.81	336.62	336.15	332.87	328.32	303.47	61.63	46.93	42.07	40.1	38.87	37.64	36.91	36.35	35.75	35.21	48608.1	48608.5	48608	48609.1	48608.4	48618	48640	48681.4	48818.8	44250.2	32773.4	23819.4	18884.5	14945.5	10800.1	8256.7	6340	4342	2968.1
4400	16	16	16	28	2	12	300	4	4	8	4	6	16	14	17181	8	7/4/9/9	16/16/16/16	28/24/9/9	7/4/9/9	68/14	333.77	333.91	332.35	332.33	335.95	335.2	332.72	328.11	301.89	61.33	46.95	42.13	40.22	39.02	37.84	37.11	36.57	35.95	35.45	48659	48660.7	48668.2	48664.5	48661.7	48665	48693.8	48729.3	4886	44254.9	32790.8	23811.3	18881.8	14937.7	10789.7	8246.9	6328.8	4331.6	2956.2
4400	16	16	16	28	2	12	300	4	4	8	4	6	16	14	17181	8	8/4/9/9	16/16/16/16	28/24/9/9	8/4/9/9	68/14	331.1	330.98	330.49	330.61	333.52	332.82	329.09	324.71	296.52	60.11	46.68	42.05	40.12	38.99	37.8	37.09	36.57	35.95	35.44	48957.3	48956.1	48961.4	48952.3	48958.1	48967	49084.9	49125.2	49288.8	44280.2	32786.6	23801.4	18880.6	14935.9	10791	8247.2	6328.9	4331.8	2956.5
4400	16	16	16	28	2	12	300	4	4	8	4	6	16	14	17181	8	6/4/9/9	15/15/15/15	28/24/9/9	6/4/9/9	68/14	331.17	330.5	330.8	329.67	333.08	332.47	329.26	324.79	293.35	60.17	46.79	42.15	40.25	39.07	37.9	37.19	36.64	36.02	35.52	49144.2	49148.1	49153.4	49145.8	49149.6	49159.9	49179.2	49215.8	4938	44291	32722.4	23771.9	18845.8	14911.1	10769.2	8232.1	6316.7	4323.3	2950.2
4400	16	16	16	28	2	12	300	4	4	8	4	6	16	14	17181	8	6/4/9/9	16/16/16/16	28/24/9/9	6/4/9/9	68/14	333.24	333.35	330.62	321.65	324.68	324.38	331.44	325.62	298.06	60.51	46.84	42.2	40.31	39.13	37.94	37.24	36.7	36.1	35.57	48874.1	48871.6	48880.5	48872.4	48869.4	48882	48905.4	48936.7	49091.8	44123.2	32640.3	23721.2	18807	14881.2	10749.7	8216	6305.1	4314.3	2945.4
4400	16	16	16	28	2	12	300	4	4	8	4	6	16	14	17181	8	8/4/9/9	16/16/16/16	28/24/9/9	8/4/9/9	68/14	335.62	335.69	334.41	333.28	337.34	336.69	333.37	328.77	302.2	61.76	47	42.13	40.14	38.94	37.72	36.96	36.43	35.8	35.29	48517.5	48518.5	48521.8	48521.3	48518	48524.8	48550.1	48592.2	48720.4	44170.4	32704.2	23771	18850.8	14915.5	10776.9	8241.4	6326.9	4334.7	2961.6
4400	16	16	16	28	2	12	300	4	4	8	4	6	16	14	17181	8	6/4/9/9	16/16/16/16	28/24/9/9	6/4/9/9	68/14	332.63	330.85	331.25	330.14	333.91	333.58	330.45	325.51	296.69	60.3	46.68	41.96	40.06	38.85	37.67	36.93	36.4	35.79	35.27	48861	48863.3	48862.4	48858.4	48860.1	48868	48897.8	48932.2	49189.8	44209.7	32722.7	23781.6	18853.2	14919.9	10780.3	8243.4	6328.3	4334.9	2962.8
4400	16	16	16	28	2	12	300	4	4	8	4	6	16	14	17181	8	6/4/9/9	16/16/16/16	28/24/9/9	6/4/9/9	68/14	338.29	339.4	338.31	338.08	331.32	330.55	327.65	322.4	289.26	58.81	46.37	41.91	40	38.88	37.68	36.96	36.42	35.8	35.28	49389.5	49385.2	49392	49389.8	49385.4	49400.5	49425.2	49454.7	49649	44136.7	32675.6	23709.9	18819.1	14886	10758.7	8227.7	6317.9	4326.6	2959.9
4400	16	16	16	28	2	12	300	4	4	8	4	6	16	14	15143	8	6/4/9/9	16/16/16/16	28/24/9/9	6/4/9/9	68/14	337.32	337.64	336.44	336.42	328.5	328.57	325.87	320.37	287.18	58.11	46.09	41.52	39.69	38.52	37.32	36.56	36.03	35.4	34.86	48956.8	48951.3	48958	48959.9	48954.9	48959	48983.1	49116.4	49001.2	44235.3	32751.5	23795.2	18863.2	14934.2	10796.3	8260.9	6346.3	4354.7	2982.9
4400	16	16	16	28	2	12	300	4	4	8	4	6	16	14	85000	8	6/4/9/9	16/16/16/16	28/24/9/9	6/4/9/9	68/14	327.7	326.61	326.84	326.63	329.65	329.18	326.17	320.95	287.3	57.97	46.09	41.61	39.72	38.55	37.34	36.61	36.05	35.43	34.91	48923	48924.6	48928.8	48923.8	48921.7	48936	48960.5	48986	48883.8	44156.9	32681.1	23731.4	18826.1	14903.6	10776.2	8244.3	6336.4	4347.8	2979.4
4400	16	16	16	28	2	12	300	4	4	8	4	6	16	14	15143	8	6/4/9/9	16/16/16/16	28/24/9/9	6/4/9/9	67/13	337.25	337.99	337.26	337.08	329.88	329.28	326.37	321.06	288.45	57.98	45.86	41.23	39.38	38.19	36.93	36.2	35.64	35.02	34.45	48937.5	48933.8	48938	48937.2	48937.8	48945	48970.7	49003.8	48778.3	44174.9	32700.2	23756.6	18843.6	14920.6	10794.9	8265.4	6356.3	4368.6	3001.6
4400	16	16	16	28	2	12	300	4	4	8	4	6	16	14	15143	8	6/4/9/9	16/16/16/16	28/24/9/9	6/4/9/9	66/12	337.11	336.98	336.98	335.13	328.4	328.75	325.75	321.02	287.46	57.98	45.86	40.78	38.91	37.72	36.43	35.68	35.11	34.47	33.94	48937.5	48933.8	48938	48937.4	48936.5	48946	48972.5	49005.2	48886.6	44270.2	32777.8	23820.9	18897	14970.2	10838.4	6303.7	4393.6	4403	3034.1
4400	16	16	16	28	2	12	300	4	4	8	4	6	16	14	15143	8	6/4/9/9	16/16/16/16	28/24/9/9	6/4/9/9	65/11	337.37	336.63	337.25	325.68	328.87	328.48	325.51	320.36	287.43	57.34	45.13	40.51	38																									