

## **APPENDIX 4.6 Derivation of Portal Emission Rates (Construction)**

Calculation of Portal Emission for Construction Period 1 (i.e. Phase 1-7)

Road No.	Portal Description	Portal ID	Tunnel Length (km)	Hour	Total Vehicle (veh/hr)	TSP					RSP					FSP							
						Emission Rate		Total Emission	% of the maximum emission rate [1]	Nearest 50m 2/3 of the total emission rate	Farest 50m - 1/3 of the total emission rate	Emission Rate		Total Emission	% of the maximum emission rate [1]	Nearest 50m 2/3 of the total emission rate	Farest 50m - 1/3 of the total emission rate	Emission Rate		Total Emission	% of the maximum emission rate [1]	Nearest 50m 2/3 of the total emission rate	Farest 50m - 1/3 of the total emission rate
						(g/veh/mile)	(g/veh/km)	(g/s)		(g/s)	(g/s)	(g/veh/mile)	(g/veh/km)	(g/s)		(g/s)	(g/s)	(g/veh/mile)	(g/veh/km)	(g/s)		(g/s)	(g/s)
1e	Tsing Lun Road Emitted to the North of Enclosure	1eN	0.0260	1	460	0.0594	0.0369	6.13E-05	26%	2.04E-05	1.02E-05	0.0594	0.0369	6.13E-05	26%	2.04E-05	1.02E-05	0.0546	0.0339	5.63E-05	26%	1.88E-05	9.38E-06
				2	325	0.0492	0.0306	3.59E-05	15%	1.20E-05	5.98E-06	0.0490	0.0304	3.57E-05	15%	1.19E-05	5.95E-06	0.0451	0.0280	3.29E-05	15%	1.10E-05	5.49E-06
				3	240	0.0621	0.0386	3.34E-05	14%	1.11E-05	5.57E-06	0.0619	0.0385	3.33E-05	14%	1.11E-05	5.56E-06	0.0571	0.0354	3.07E-05	14%	1.02E-05	5.12E-06
				4	175	0.0624	0.0388	2.45E-05	10%	8.17E-06	4.08E-06	0.0622	0.0387	2.44E-05	10%	8.14E-06	4.07E-06	0.0573	0.0356	2.25E-05	10%	7.51E-06	3.75E-06
				5	185	0.0601	0.0373	2.49E-05	11%	8.31E-06	4.15E-06	0.0599	0.0372	2.48E-05	11%	8.28E-06	4.14E-06	0.0552	0.0343	2.29E-05	11%	7.64E-06	3.82E-06
				6	285	0.0550	0.0342	3.52E-05	15%	1.17E-05	5.86E-06	0.0548	0.0340	3.50E-05	15%	1.17E-05	5.84E-06	0.0504	0.0313	3.23E-05	15%	1.08E-05	5.38E-06
				7	730	0.0599	0.0372	9.82E-05	42%	3.27E-05	1.64E-05	0.0599	0.0372	9.82E-05	42%	3.27E-05	1.64E-05	0.0551	0.0342	9.02E-05	42%	3.01E-05	1.50E-05
				8	1625	0.0638	0.0397	2.33E-04	99%	7.76E-05	3.88E-05	0.0638	0.0397	2.33E-04	99%	7.76E-05	3.88E-05	0.0587	0.0364	2.14E-04	99%	7.13E-05	3.56E-05
				9	1675	0.0623	0.0387	<b>2.34E-04</b>	<b>100%</b>	<b>7.80E-05</b>	<b>3.90E-05</b>	0.0623	0.0387	<b>2.34E-04</b>	<b>100%</b>	<b>7.80E-05</b>	<b>3.90E-05</b>	0.0572	0.0356	<b>2.15E-04</b>	<b>100%</b>	<b>7.17E-05</b>	<b>3.59E-05</b>
				10	1540	0.0628	0.0390	2.17E-04	93%	7.23E-05	3.62E-05	0.0628	0.0390	2.17E-04	93%	7.23E-05	3.61E-05	0.0577	0.0358	1.99E-04	93%	6.64E-05	3.32E-05
				11	1450	0.0609	0.0378	1.98E-04	85%	6.60E-05	3.30E-05	0.0609	0.0378	1.98E-04	85%	6.60E-05	3.30E-05	0.0559	0.0348	1.82E-04	85%	6.07E-05	3.03E-05
				12	1390	0.0628	0.0390	1.96E-04	84%	6.53E-05	3.26E-05	0.0628	0.0390	1.96E-04	84%	6.53E-05	3.26E-05	0.0577	0.0359	1.80E-04	84%	6.00E-05	3.00E-05
				13	1280	0.0652	0.0405	1.87E-04	80%	6.24E-05	3.12E-05	0.0652	0.0405	1.87E-04	80%	6.24E-05	3.12E-05	0.0599	0.0372	1.72E-04	80%	5.74E-05	2.87E-05
				14	1320	0.0636	0.0395	1.88E-04	80%	6.28E-05	3.14E-05	0.0636	0.0395	1.88E-04	80%	6.28E-05	3.14E-05	0.0584	0.0363	1.73E-04	80%	5.77E-05	2.88E-05
				15	1410	0.0624	0.0388	1.98E-04	84%	6.58E-05	3.29E-05	0.0624	0.0388	1.97E-04	84%	6.58E-05	3.29E-05	0.0574	0.0356	1.81E-04	84%	6.05E-05	3.02E-05
				16	1450	0.0609	0.0378	1.98E-04	85%	6.60E-05	3.30E-05	0.0609	0.0378	1.98E-04	85%	6.60E-05	3.30E-05	0.0559	0.0348	1.82E-04	85%	6.07E-05	3.03E-05
				17	1545	0.0626	0.0389	2.17E-04	93%	7.23E-05	3.62E-05	0.0626	0.0389	2.17E-04	93%	7.23E-05	3.62E-05	0.0575	0.0357	1.99E-04	93%	6.65E-05	3.32E-05
				18	1665	0.0626	0.0389	<b>2.34E-04</b>	<b>100%</b>	<b>7.80E-05</b>	<b>3.90E-05</b>	0.0626	0.0389	<b>2.34E-04</b>	<b>100%</b>	<b>7.80E-05</b>	<b>3.90E-05</b>	0.0575	0.0357	<b>2.15E-04</b>	<b>100%</b>	<b>7.16E-05</b>	<b>3.58E-05</b>
				19	1675	0.0623	0.0387	<b>2.34E-04</b>	<b>100%</b>	<b>7.80E-05</b>	<b>3.90E-05</b>	0.0623	0.0387	<b>2.34E-04</b>	<b>100%</b>	<b>7.80E-05</b>	<b>3.90E-05</b>	0.0572	0.0356	<b>2.15E-04</b>	<b>100%</b>	<b>7.17E-05</b>	<b>3.59E-05</b>
				20	1420	0.0620	0.0386	1.98E-04	84%	6.59E-05	3.29E-05	0.0620	0.0385	1.98E-04	84%	6.59E-05	3.29E-05	0.0570	0.0354	1.82E-04	84%	6.05E-05	3.03E-05
				21	1135	0.0613	0.0381	1.56E-04	67%	5.20E-05	2.60E-05	0.0613	0.0381	1.56E-04	67%	5.20E-05	2.60E-05	0.0563	0.0350	1.43E-04	67%	4.78E-05	2.39E-05
				22	1035	0.0629	0.0391	1.46E-04	62%	4.87E-05	2.43E-05	0.0629	0.0391	1.46E-04	62%	4.87E-05	2.43E-05	0.0578	0.0359	1.34E-04	62%	4.47E-05	2.24E-05
				23	1000	0.0647	0.0402	1.45E-04	62%	4.84E-05	2.42E-05	0.0647	0.0402	1.45E-04	62%	4.84E-05	2.42E-05	0.0595	0.0369	1.33E-04	62%	4.45E-05	2.22E-05
				24	715	0.0611	0.0380	9.80E-05	42%	3.27E-05	1.63E-05	0.0611	0.0380	9.80E-05	42%	3.27E-05	1.63E-05	0.0562	0.0349	9.01E-05	42%	3.00E-05	1.50E-05
1e	Tsing Lun Road Emitted to the South of Enclosure	1eS	0.026	1	460	0.0594	0.0369	6.13E-05	26%	2.04E-05	1.02E-05	0.0594	0.0369	6.13E-05	26%	2.04E-05	1.02E-05	0.055	0.034	5.63E-05	26%	1.88E-05	9.38E-06
				2	325	0.0492	0.0306	3.59E-05	15%	1.20E-05	5.98E-06	0.0490	0.0304	3.57E-05	15%	1.19E-05	5.95E-06	0.045	0.028	3.29E-05	15%	1.10E-05	5.49E-06
				3	240	0.0621	0.0386	3.34E-05	14%	1.11E-05	5.57E-06	0.0619	0.0385	3.33E-05	14%	1.11E-05	5.56E-06	0.057	0.035	3.07E-05	14%	1.02E-05	5.12E-06
				4	175	0.0624	0.0388	2.45E-05	10%	8.17E-06	4.08E-06	0.0622	0.0387	2.44E-05	10%	8.14E-06	4.07E-06	0.057	0.036	2.25E-05	10%	7.51E-06	3.75E-06
				5	185	0.0601	0.0373	2.49E-05	11%	8.31E-06	4.15E-06	0.0599	0.0372	2.48E-05	11%	8.28E-06	4.14E-06	0.055	0.034	2.29E-05	11%	7.64E-06	3.82E-06
				6	285	0.0550	0.0342	3.52E-05	15%	1.17E-05	5.86E-06	0.0548	0.0340	3.50E-05	15%	1.17E-05	5.84E-06	0.050	0.031	3.23E-05	15%	1.08E-05	5.38E-06
				7	730	0.0599	0.0372	9.82E-05	42%	3.27E-05	1.64E-05	0.0599	0.0372	9.82E-05	42%	3.27E-05	1.64E-05	0.055	0.034	9.02E-05	42%	3.01E-05	1.50E-05
				8	1625	0.0638	0.0397	2.33E-04	99%	7.76E-05	3.88E-05	0.0638	0.0397	2.33E-04	99%	7.76E-05	3.88E-05	0.059	0.036	2.14E-04	99%	7.13E-05	3.56E-05
				9	1675	0.0623	0.0387	<b>2.34E-04</b>	<b>100%</b>	<b>7.80E-05</b>	<b>3.90E-05</b>	0.0623	0.0387	<b>2.34E-04</b>	<b>100%</b>	<b>7.80E-05</b>	<b>3.90E-05</b>	0.057	0.036	<b>2.15E-04</b>	<b>100%</b>	<b>7.17E-05</b>	<b>3.59E-05</b>
				10	1540	0.0628	0.0390	2.17E-04	93%	7.23E-05	3.62E-05	0.0628	0.0390	2.17E-04	93%	7.23E-05	3.61E-05	0.0568	0.035	1.99E-04	93%	6.64E-05	3.32E-05
				11	1450	0.0609	0.0378	1.98E-04	85%	6.60E-05	3.30E-05	0.0609	0.0378	1.98E-04	85%	6.60E-05	3.30E-05	0.056	0.035	1.82E-04	85%	6.07E-05	3.03E-05
				12	1390	0.0628	0.0390	1.96E-04	84%	6.53E-05	3.26E-05	0.0628	0.0390	1.96E-04	84%	6.53E-05	3.26E-05	0.058	0.036	1.80E-04	84%	6.00E-05	3.00E-05
				13	1280	0.0652	0.0405	1.87E-04	80%	6.24E-05	3.12E-05	0.0652	0.0405	1.87E-04	80%	6.24E-05	3.12E-05	0.060	0.037	1.72E-04	80%	5.74E-05	2.87E-05
				14	1320	0.0636	0.0395	1.88E-04	80%	6.28E-05	3.14E-05	0.0636	0.0395	1.88E-04	80%	6.28E-05	3.14E-05	0.058	0.036	1.73E-04	80%	5.77E-05	2.88E-05
				15	1410	0.0624	0.0388	1.98E-04	84%	6.58E-05	3.29E-05	0.0624	0.0388	1.97E-04	84%	6.58E-05	3.29E-05	0.057	0.036	1.81E-04	84%	6.05E-05	3.02E-05
				16	1450	0.0609	0.0378	1.98E-04	85%	6.60E-05	3.30E-05	0.0609	0.0378	1.98E-04	85%	6.60E-05	3.30E-05	0.056	0.035	1.82E-04	85%	6.07E-05	3.03E-05
				17	1545	0.0626	0.0389	2.17E-04	93%	7.23E-05	3.62E-05	0.0626	0.0389	2.17E-04	93%	7.23E-05	3.62E-05	0.058	0.036	1.99E-04	93%	6.65E-05	3.32E-05
				18	1665	0.0626	0.0389	<b>2.34E-04</b>	<b>100%</b>	<b>7.80E-05</b>	<b>3.90E-05</b>	0.0626	0.0389	<b>2.34E-04</b>	<b>100%</b>	<b>7.80E-05</b>	<b>3.90E-05</b>	0.058	0.036	<b>2.15E-04</b>	<b>100%</b>	<b>7.16E-05</b>	<b>3.58E-05</b>
				19	1675	0.0623	0.0387	<b>2.34E-04</b>	<b>100%</b>	<b>7.80E-05</b>	<b>3.90E-05</b>	0.0623	0.0387	<b>2.34E-04</b>	<b>100%</b>	<b>7.80E-05</b>	<b>3.90E-05</b>	0.057	0.036	<b>2.15E-04</b>	<b>100%</b>	<b>7.17E-05</b>	<b>3.59E-05</b>
				20	1420	0.0620	0.0386	1.98E-04	84%	6.59E-05	3.29E-05	0.0620	0.0385	1.98E-04	84%	6.59E-05	3.29E-05	0.057	0.035	1.82E-04	84%	6.05E-05	3.03E-05
				21	1135	0.0613	0.0381	1.56E-04	67%	5.20E-05	2.60E-05	0.0613	0.0381	1.56E-04	67%	5.20E-05	2.60E-05	0.056	0.035	1.43E-04	67%	4.78E-05	2.39E-05
				22	1035	0.0629	0.0391	1.46E-04	62%	4.87E-05													

Calculation of Portal Emission for Construction Period 2 (i.e. Phase 8)

Road No.	Portal Description	Portal ID	Tunnel Length (km)	Hour	Total Vehicle (veh/hr)	TSP					RSP					FSP								
						Emission Rate		Total Emission	% of the maximum emission rate <sup>[1]</sup>	Nearest 50m 2/3 of the total emission rate	Farest 50m - 1/3 of the total emission rate	Emission Rate		Total Emission	% of the maximum emission rate <sup>[1]</sup>	Nearest 50m 2/3 of the total emission rate	Farest 50m - 1/3 of the total emission rate	Emission Rate		Total Emission	% of the maximum emission rate <sup>[1]</sup>	Nearest 50m 2/3 of the total emission rate	Farest 50m - 1/3 of the total emission rate	
						(g/veh/mile)	(g/veh/km)	(g/s)	(g/s)	(g/s)	(g/veh/mile)	(g/veh/km)	(g/s)	(g/s)	(g/s)	(g/s)	(g/veh/mile)	(g/veh/km)	(g/s)	(g/s)	(g/s)	(g/s)	(g/s)	(g/s)
1e	Tsing Lun Road Emitted to the North of Enclosure	1eN	0.0260	1	500	0.0550	0.0342	6.17E-05	29%	2.06E-05	1.03E-05	0.0549	0.0341	6.15E-05	29%	2.05E-05	1.03E-05	0.0505	0.0313	5.66E-05	29%	1.89E-05	9.43E-06	
				2	345	0.0492	0.0306	3.81E-05	18%	1.27E-05	6.34E-06	0.0490	0.0304	3.79E-05	18%	1.26E-05	6.32E-06	0.0450	0.0280	3.48E-05	18%	1.16E-05	5.80E-06	
				3	255	0.0553	0.0344	3.17E-05	15%	1.06E-05	5.28E-06	0.0552	0.0343	3.16E-05	15%	1.05E-05	5.26E-06	0.0507	0.0315	2.90E-05	15%	9.67E-06	4.83E-06	
				4	185	0.0558	0.0346	2.31E-05	11%	7.71E-06	3.86E-06	0.0556	0.0345	2.31E-05	11%	7.69E-06	3.85E-06	0.0511	0.0317	2.12E-05	11%	7.07E-06	3.53E-06	
				5	190	0.0544	0.0338	2.32E-05	11%	7.74E-06	3.87E-06	0.0543	0.0337	2.31E-05	11%	7.71E-06	3.86E-06	0.0498	0.0310	2.12E-05	11%	7.08E-06	3.54E-06	
				6	310	0.0471	0.0293	3.27E-05	15%	1.09E-05	5.46E-06	0.0469	0.0291	3.26E-05	15%	1.09E-05	5.44E-06	0.0431	0.0268	3.00E-05	15%	9.99E-06	4.99E-06	
				7	780	0.0554	0.0344	9.70E-05	45%	3.23E-05	1.62E-05	0.0552	0.0343	9.67E-05	45%	3.22E-05	1.61E-05	0.0508	0.0316	8.89E-05	45%	2.96E-05	1.48E-05	
				8	1695	0.0550	0.0342	2.09E-04	97%	6.97E-05	3.49E-05	0.0548	0.0341	2.09E-04	97%	6.95E-05	3.48E-05	0.0504	0.0313	1.92E-04	97%	6.39E-05	3.20E-05	
				9	1765	0.0545	0.0339	2.16E-04	100%	7.20E-05	3.60E-05	0.0543	0.0338	2.15E-04	100%	7.17E-05	3.59E-05	0.0500	0.0311	1.98E-04	100%	6.60E-05	3.30E-05	
				10	1630	0.0548	0.0340	2.00E-04	93%	6.68E-05	3.34E-05	0.0546	0.0339	2.00E-04	93%	6.66E-05	3.33E-05	0.0502	0.0312	1.84E-04	93%	6.12E-05	3.06E-05	
				11	1515	0.0534	0.0332	1.82E-04	84%	6.06E-05	3.03E-05	0.0533	0.0331	1.81E-04	84%	6.04E-05	3.02E-05	0.0490	0.0304	1.67E-04	84%	5.55E-05	2.78E-05	
				12	1455	0.0552	0.0343	1.80E-04	84%	6.01E-05	3.00E-05	0.0550	0.0342	1.80E-04	84%	5.99E-05	3.00E-05	0.0506	0.0315	1.65E-04	84%	5.51E-05	2.75E-05	
				13	1345	0.0573	0.0356	1.73E-04	80%	5.77E-05	2.88E-05	0.0572	0.0355	1.73E-04	80%	5.75E-05	2.88E-05	0.0526	0.0327	1.59E-04	80%	5.29E-05	2.65E-05	
				14	1390	0.0558	0.0347	1.74E-04	81%	5.80E-05	2.90E-05	0.0557	0.0346	1.74E-04	81%	5.79E-05	2.89E-05	0.0512	0.0318	1.60E-04	81%	5.32E-05	2.66E-05	
				15	1485	0.0544	0.0338	1.81E-04	84%	6.04E-05	3.02E-05	0.0542	0.0337	1.81E-04	84%	6.02E-05	3.01E-05	0.0498	0.0310	1.66E-04	84%	5.53E-05	2.77E-05	
				16	1515	0.0534	0.0332	1.82E-04	84%	6.06E-05	3.03E-05	0.0533	0.0331	1.81E-04	84%	6.04E-05	3.02E-05	0.0490	0.0304	1.67E-04	84%	5.55E-05	2.78E-05	
				17	1630	0.0548	0.0340	2.00E-04	93%	6.68E-05	3.34E-05	0.0546	0.0339	2.00E-04	93%	6.66E-05	3.33E-05	0.0502	0.0312	1.84E-04	93%	6.12E-05	3.06E-05	
				18	1755	0.0548	0.0340	2.16E-04	100%	7.19E-05	3.59E-05	0.0546	0.0339	2.15E-04	100%	7.17E-05	3.58E-05	0.0502	0.0312	1.98E-04	100%	6.59E-05	3.30E-05	
				19	1765	0.0545	0.0339	2.16E-04	100%	7.20E-05	3.60E-05	0.0543	0.0338	2.15E-04	100%	7.17E-05	3.59E-05	0.0500	0.0311	1.98E-04	100%	6.60E-05	3.30E-05	
				20	1495	0.0540	0.0336	1.81E-04	84%	6.04E-05	3.02E-05	0.0539	0.0335	1.81E-04	84%	6.02E-05	3.01E-05	0.0495	0.0308	1.66E-04	84%	5.54E-05	2.77E-05	
				21	1195	0.0538	0.0334	1.44E-04	67%	4.81E-05	2.40E-05	0.0536	0.0333	1.44E-04	67%	4.79E-05	2.40E-05	0.0493	0.0306	1.32E-04	67%	4.41E-05	2.20E-05	
				22	1080	0.0553	0.0343	1.34E-04	62%	4.46E-05	2.23E-05	0.0551	0.0342	1.33E-04	62%	4.45E-05	2.22E-05	0.0507	0.0315	1.23E-04	62%	4.09E-05	2.05E-05	
				23	1055	0.0564	0.0350	1.33E-04	62%	4.45E-05	2.22E-05	0.0562	0.0349	1.33E-04	62%	4.43E-05	2.22E-05	0.0517	0.0321	1.22E-04	62%	4.08E-05	2.04E-05	
				24	770	0.0560	0.0348	9.68E-05	45%	3.23E-05	1.61E-05	0.0558	0.0347	9.65E-05	45%	3.22E-05	1.61E-05	0.0514	0.0319	8.87E-05	45%	2.96E-05	1.48E-05	
1e	Tsing Lun Road Emitted to the South of Enclosure	1eS	0.026	1	500	0.0550	0.0342	6.17E-05	29%	2.06E-05	1.03E-05	0.0549	0.0341	6.15E-05	29%	2.05E-05	1.03E-05	0.0500	0.0311	5.66E-05	29%	1.89E-05	9.43E-06	
				2	345	0.0492	0.0306	3.81E-05	18%	1.27E-05	6.34E-06	0.0490	0.0304	3.79E-05	18%	1.26E-05	6.32E-06	0.0450	0.0280	3.48E-05	18%	1.16E-05	5.80E-06	
				3	255	0.0553	0.0344	3.17E-05	15%	1.06E-05	5.28E-06	0.0552	0.0343	3.16E-05	15%	1.05E-05	5.26E-06	0.0507	0.0315	2.90E-05	15%	9.67E-06	4.83E-06	
				4	185	0.0558	0.0346	2.31E-05	11%	7.71E-06	3.86E-06	0.0556	0.0345	2.31E-05	11%	7.69E-06	3.85E-06	0.0511	0.0317	2.12E-05	11%	7.07E-06	3.53E-06	
				5	190	0.0544	0.0338	2.32E-05	11%	7.74E-06	3.87E-06	0.0543	0.0337	2.31E-05	11%	7.71E-06	3.86E-06	0.0498	0.0310	2.12E-05	11%	7.08E-06	3.54E-06	
				6	310	0.0471	0.0293	3.27E-05	15%	1.09E-05	5.46E-06	0.0469	0.0291	3.26E-05	15%	1.09E-05	5.44E-06	0.0431	0.0268	3.00E-05	15%	9.99E-06	4.99E-06	
				7	780	0.0554	0.0344	9.70E-05	45%	3.23E-05	1.62E-05	0.0552	0.0343	9.67E-05	45%	3.22E-05	1.61E-05	0.0508	0.0316	8.89E-05	45%	2.96E-05	1.48E-05	
				8	1695	0.0550	0.0342	2.09E-04	97%	6.97E-05	3.49E-05	0.0548	0.0341	2.09E-04	97%	6.95E-05	3.48E-05	0.0504	0.0313	1.92E-04	97%	6.39E-05	3.20E-05	
				9	1765	0.0545	0.0339	2.16E-04	100%	7.20E-05	3.60E-05	0.0543	0.0338	2.15E-04	100%	7.17E-05	3.59E-05	0.0500	0.0311	1.98E-04	100%	6.60E-05	3.30E-05	
				10	1630	0.0548	0.0340	2.00E-04	93%	6.68E-05	3.34E-05	0.0546	0.0339	2.00E-04	93%	6.66E-05	3.33E-05	0.0502	0.0312	1.84E-04	93%	6.12E-05	3.06E-05	
				11	1515	0.0534	0.0332	1.82E-04	84%	6.06E-05	3.03E-05	0.0533	0.0331	1.81E-04	84%	6.04E-05	3.02E-05	0.0490	0.0304	1.67E-04	84%	5.55E-05	2.78E-05	
				12	1455	0.0552	0.0343	1.80E-04	84%	6.01E-05	3.00E-05	0.0550	0.0342	1.80E-04	84%	5.99E-05	3.00E-05	0.0506	0.0315	1.65E-04	84%	5.51E-05	2.75E-05	
				13	1345	0.0573	0.0356	1.73E-04	80%	5.77E-05	2.88E-05	0.0572	0.0355	1.73E-04	80%	5.75E-05	2.88E-05	0.0526	0.0327	1.59E-04	80%	5.29E-05	2.65E-05	
				14	1390	0.0558	0.0347	1.74E-04	81%	5.80E-05	2.90E-05	0.0557	0.0346	1.74E-04	81%	5.79E-05	2.89E-05	0.0512	0.0318	1.60E-04	81%	5.32E-05	2.66E-05	
				15	1485	0.0544	0.0338	1.81E-04	84%	6.04E-05	3.02E-05	0.0542	0.0337	1.81E-04	84%	6.02E-05	3.01E-05	0.0498	0.0310	1.66E-04	84%	5.53E-05	2.77E-05	
				16	1515	0.0534	0.0332	1.82E-04	84%	6.06E-05	3.03E-05	0.0533	0.0331	1.81E-04	84%	6.04E-05	3.02E-05	0.0490	0.0304	1.67E-04	84%	5.55E-05	2.78E-05	
				17	1630	0.0548	0.0340	2.00E-04	93%	6.68E-05	3.34E-05	0.0546	0.0339	2.00E-04	93%	6.66E-05	3.33E-05	0.0502	0.0312	1.84E-04	93%	6.12E-05	3.06E-05	
				18	1755	0.0548	0.0340	2.16E-04	100%	7.19E-05	3.59E-05	0.0546	0.0339	2.15E-04	100%	7.17E-05	3.58E-05	0.0500	0.0311	1.98E-04	100%	6.59E-05	3.30E-05	
				19	1765	0.0545	0.0339	2.16E-04	100%	7.20E-05	3.60E-05	0.0543	0.0338	2.15E-04	100%	7.17E-05	3.59E-05	0.0500	0.0311	1.98E-04	100%	6.60E-05	3.30E-05	
				20	1495	0.0540	0.0336	1.81E-04	84%	6.04E-05	3.02E-05	0.0539	0.0335	1.81E-04	84%	6.02E-05	3.01E-05	0.0495	0.0308	1.66E-04	84%	5.54E-05	2.77E-05	
				21	1195	0.0538	0.0334	1.44E-04	67%	4.81E-05	2.40E-05	0.0536	0.0333	1.44E-04	67%	4.79E-05	2.40E-05	0.0493	0.0306	1.32E-04	67%	4.41E-05	2.20E-05	
				22	1080	0.0553	0.0343	1.34E-04	62%	4.46E-05	2.23E-05	0.0551	0.0342	1.33E-04	62%	4.45E-05	2.22E-05	0.0507	0.0315	1.23E-04	62%	4.09E-05	2.05E-05	
				23	1055	0.0564	0.0350	1.																