

5.5 MBPS DATA RATE, CCK MODULATION											
HWN TRANSPORT PROCESSING GAIN MEASUREMENT											
Signal Frequency (MHz)	Jammer Frequency (MHz)	Jammer Freq. Offset (MHz)	Required S/N for 10e-5 BER (dB)	System Losses Lsys (dB)	Jammer Setting (dBm) at 10e-5 BER	Jammer Loss (dB)	JAMMER POWER (dBm)	SIGNAL POWER (dBm)	J/S RATIO (dB)	PROCESSING GAIN (dB)	
2437	2428.50	-8.50	16.2	2	-56	4.6	-60.6	-61.86	1.26	19.46	
2437	2428.55	-8.45	16.2	2	-56	4.6	-60.6	-61.86	1.26	19.46	
2437	2428.60	-8.40	16.2	2	-56	4.6	-60.6	-61.86	1.26	19.46	
2437	2428.65	-8.35	16.2	2	-56	4.6	-60.6	-61.86	1.26	19.46	
2437	2428.70	-8.30	16.2	2	-56	4.6	-60.6	-61.86	1.26	19.46	
2437	2428.75	-8.25	16.2	2	-56.5	4.6	-61.1	-61.86	0.76	18.96	
2437	2428.80	-8.20	16.2	2	-56.5	4.6	-61.1	-61.86	0.76	18.96	
2437	2428.85	-8.15	16.2	2	-56.5	4.6	-61.1	-61.86	0.76	18.96	
2437	2428.90	-8.10	16.2	2	-57	4.6	-61.6	-61.86	0.26	18.46	
2437	2428.95	-8.05	16.2	2	-57	4.6	-61.6	-61.86	0.26	18.46	
2437	2429.00	-8.00	16.2	2	-57	4.6	-61.6	-61.86	0.26	18.46	
2437	2429.05	-7.95	16.2	2	-57.5	4.6	-62.1	-61.86	-0.24	17.96	
2437	2429.10	-7.90	16.2	2	-57.5	4.6	-62.1	-61.86	-0.24	17.96	
2437	2429.15	-7.85	16.2	2	-57.5	4.6	-62.1	-61.86	-0.24	17.96	
2437	2429.20	-7.80	16.2	2	-57.5	4.6	-62.1	-61.86	-0.24	17.96	
2437	2429.25	-7.75	16.2	2	-57.5	4.6	-62.1	-61.86	-0.24	17.96	
2437	2429.30	-7.70	16.2	2	-57.5	4.6	-62.1	-61.86	-0.24	17.96	
2437	2429.35	-7.65	16.2	2	-57.5	4.6	-62.1	-61.86	-0.24	17.96	
2437	2429.40	-7.60	16.2	2	-57.5	4.6	-62.1	-61.86	-0.24	17.96	
2437	2429.45	-7.55	16.2	2	-58	4.6	-62.6	-61.86	-0.74	17.46	
2437	2429.50	-7.50	16.2	2	-57.5	4.6	-62.1	-61.86	-0.24	17.96	
2437	2429.55	-7.45	16.2	2	-58	4.6	-62.6	-61.86	-0.74	17.46	
2437	2429.60	-7.40	16.2	2	-58	4.6	-62.6	-61.86	-0.74	17.46	
2437	2429.65	-7.35	16.2	2	-58	4.6	-62.6	-61.86	-0.74	17.46	
2437	2429.70	-7.30	16.2	2	-58.5	4.6	-63.1	-61.86	-1.24	16.96	
2437	2429.75	-7.25	16.2	2	-58.5	4.6	-63.1	-61.86	-1.24	16.96	
2437	2429.80	-7.20	16.2	2	-59	4.6	-63.6	-61.86	-1.74	16.46	
2437	2429.85	-7.15	16.2	2	-59	4.6	-63.6	-61.86	-1.74	16.46	

2437	2429.90	-7.10	16.2	2	-59.5	4.6	-64.1	-61.86	-2.24	15.96	
2437	2429.95	-7.05	16.2	2	-59.5	4.6	-64.1	-61.86	-2.24	15.96	
2437	2430.00	-7.00	16.2	2	-60	4.6	-64.6	-61.86	-2.74	15.46	
2437	2430.05	-6.95	16.2	2	-60	4.6	-64.6	-61.86	-2.74	15.46	
2437	2430.10	-6.90	16.2	2	-60	4.6	-64.6	-61.86	-2.74	15.46	
2437	2430.15	-6.85	16.2	2	-60	4.6	-64.6	-61.86	-2.74	15.46	
2437	2430.20	-6.80	16.2	2	-60	4.6	-64.6	-61.86	-2.74	15.46	
2437	2430.25	-6.75	16.2	2	-60	4.6	-64.6	-61.86	-2.74	15.46	
2437	2430.30	-6.70	16.2	2	-60	4.6	-64.6	-61.86	-2.74	15.46	
2437	2430.35	-6.65	16.2	2	-60	4.6	-64.6	-61.86	-2.74	15.46	
2437	2430.40	-6.60	16.2	2	-60	4.6	-64.6	-61.86	-2.74	15.46	
2437	2430.45	-6.55	16.2	2	-60	4.6	-64.6	-61.86	-2.74	15.46	
2437	2430.50	-6.50	16.2	2	-60	4.6	-64.6	-61.86	-2.74	15.46	
2437	2430.55	-6.45	16.2	2	-60	4.6	-64.6	-61.86	-2.74	15.46	
2437	2430.60	-6.40	16.2	2	-60	4.6	-64.6	-61.86	-2.74	15.46	
2437	2430.65	-6.35	16.2	2	-60	4.6	-64.6	-61.86	-2.74	15.46	
2437	2430.70	-6.30	16.2	2	-60	4.6	-64.6	-61.86	-2.74	15.46	
2437	2430.75	-6.25	16.2	2	-60.5	4.6	-65.1	-61.86	-3.24	14.96	
2437	2430.80	-6.20	16.2	2	-60.5	4.6	-65.1	-61.86	-3.24	14.96	
2437	2430.85	-6.15	16.2	2	-60.5	4.6	-65.1	-61.86	-3.24	14.96	
2437	2430.90	-6.10	16.2	2	-61	4.6	-65.6	-61.86	-3.74	14.46	
2437	2430.95	-6.05	16.2	2	-61	4.6	-65.6	-61.86	-3.74	14.46	
2437	2431.00	-6.00	16.2	2	-61	4.6	-65.6	-61.86	-3.74	14.46	
2437	2431.05	-5.95	16.2	2	-61	4.6	-65.6	-61.86	-3.74	14.46	
2437	2431.10	-5.90	16.2	2	-61	4.6	-65.6	-61.86	-3.74	14.46	
2437	2431.15	-5.85	16.2	2	-61	4.6	-65.6	-61.86	-3.74	14.46	
2437	2431.20	-5.80	16.2	2	-60.5	4.6	-65.1	-61.86	-3.24	14.96	
2437	2431.25	-5.75	16.2	2	-60.5	4.6	-65.1	-61.86	-3.24	14.96	
2437	2431.30	-5.70	16.2	2	-60.5	4.6	-65.1	-61.86	-3.24	14.96	
2437	2431.35	-5.65	16.2	2	-60.5	4.6	-65.1	-61.86	-3.24	14.96	
2437	2431.40	-5.60	16.2	2	-60.5	4.6	-65.1	-61.86	-3.24	14.96	
2437	2431.45	-5.55	16.2	2	-60.5	4.6	-65.1	-61.86	-3.24	14.96	
2437	2431.50	-5.50	16.2	2	-60.5	4.6	-65.1	-61.86	-3.24	14.96	
2437	2431.55	-5.45	16.2	2	-60.5	4.6	-65.1	-61.86	-3.24	14.96	
2437	2431.60	-5.40	16.2	2	-60.5	4.6	-65.1	-61.86	-3.24	14.96	
2437	2431.65	-5.35	16.2	2	-60.5	4.6	-65.1	-61.86	-3.24	14.96	
2437	2431.70	-5.30	16.2	2	-61	4.6	-65.6	-61.86	-3.74	14.46	

2437	2431.75	-5.25	16.2	2	-61	4.6	-65.6	-61.86	-3.74	14.46
2437	2431.80	-5.20	16.2	2	-61	4.6	-65.6	-61.86	-3.74	14.46
2437	2431.85	-5.15	16.2	2	-61.5	4.6	-66.1	-61.86	-4.24	13.96
2437	2431.90	-5.10	16.2	2	-61.5	4.6	-66.1	-61.86	-4.24	13.96
2437	2431.95	-5.05	16.2	2	-61.5	4.6	-66.1	-61.86	-4.24	13.96
2437	2432.00	-5.00	16.2	2	-62	4.6	-66.6	-61.86	-4.74	13.46
2437	2432.05	-4.95	16.2	2	-61.5	4.6	-66.1	-61.86	-4.24	13.96
2437	2432.10	-4.90	16.2	2	-62	4.6	-66.6	-61.86	-4.74	13.46
2437	2432.15	-4.85	16.2	2	-61.5	4.6	-66.1	-61.86	-4.24	13.96
2437	2432.20	-4.80	16.2	2	-61.5	4.6	-66.1	-61.86	-4.24	13.96
2437	2432.25	-4.75	16.2	2	-61.5	4.6	-66.1	-61.86	-4.24	13.96
2437	2432.30	-4.70	16.2	2	-61.5	4.6	-66.1	-61.86	-4.24	13.96
2437	2432.35	-4.65	16.2	2	-61.5	4.6	-66.1	-61.86	-4.24	13.96
2437	2432.40	-4.60	16.2	2	-61.5	4.6	-66.1	-61.86	-4.24	13.96
2437	2432.45	-4.55	16.2	2	-61.5	4.6	-66.1	-61.86	-4.24	13.96
2437	2432.50	-4.50	16.2	2	-61.5	4.6	-66.1	-61.86	-4.24	13.96
2437	2432.55	-4.45	16.2	2	-61.5	4.6	-66.1	-61.86	-4.24	13.96
2437	2432.60	-4.40	16.2	2	-61.5	4.6	-66.1	-61.86	-4.24	13.96
2437	2432.65	-4.35	16.2	2	-61.5	4.6	-66.1	-61.86	-4.24	13.96
2437	2432.70	-4.30	16.2	2	-61.5	4.6	-66.1	-61.86	-4.24	13.96
2437	2432.75	-4.25	16.2	2	-62	4.6	-66.6	-61.86	-4.74	13.46
2437	2432.80	-4.20	16.2	2	-62	4.6	-66.6	-61.86	-4.74	13.46
2437	2432.85	-4.15	16.2	2	-62	4.6	-66.6	-61.86	-4.74	13.46
2437	2432.90	-4.10	16.2	2	-62	4.6	-66.6	-61.86	-4.74	13.46
2437	2432.95	-4.05	16.2	2	-62	4.6	-66.6	-61.86	-4.74	13.46
2437	2433.00	-4.00	16.2	2	-62	4.6	-66.6	-61.86	-4.74	13.46
2437	2433.05	-3.95	16.2	2	-62	4.6	-66.6	-61.86	-4.74	13.46
2437	2433.10	-3.90	16.2	2	-62	4.6	-66.6	-61.86	-4.74	13.46
2437	2433.15	-3.85	16.2	2	-62	4.6	-66.6	-61.86	-4.74	13.46
2437	2433.20	-3.80	16.2	2	-61.5	4.6	-66.1	-61.86	-4.24	13.96
2437	2433.25	-3.75	16.2	2	-61.5	4.6	-66.1	-61.86	-4.24	13.96
2437	2433.30	-3.70	16.2	2	-61.5	4.6	-66.1	-61.86	-4.24	13.96
2437	2433.35	-3.65	16.2	2	-62	4.6	-66.6	-61.86	-4.74	13.46
2437	2433.40	-3.60	16.2	2	-62	4.6	-66.6	-61.86	-4.74	13.46
2437	2433.45	-3.55	16.2	2	-62	4.6	-66.6	-61.86	-4.74	13.46
2437	2433.50	-3.50	16.2	2	-61.5	4.6	-66.1	-61.86	-4.24	13.96
2437	2433.55	-3.45	16.2	2	-61.5	4.6	-66.1	-61.86	-4.24	13.96

2437	2433.60	-3.40	16.2	2	-62	4.6	-66.6	-61.86	-4.74	13.46
2437	2433.65	-3.35	16.2	2	-61.5	4.6	-66.1	-61.86	-4.24	13.96
2437	2433.70	-3.30	16.2	2	-62	4.6	-66.6	-61.86	-4.74	13.46
2437	2433.75	-3.25	16.2	2	-62	4.6	-66.6	-61.86	-4.74	13.46
2437	2433.80	-3.20	16.2	2	-62.5	4.6	-67.1	-61.86	-5.24	12.96
2437	2433.85	-3.15	16.2	2	-62.5	4.6	-67.1	-61.86	-5.24	12.96
2437	2433.90	-3.10	16.2	2	-62.5	4.6	-67.1	-61.86	-5.24	12.96
2437	2433.95	-3.05	16.2	2	-63	4.6	-67.6	-61.86	-5.74	12.46
2437	2434.00	-3.00	16.2	2	-63	4.6	-67.6	-61.86	-5.74	12.46
2437	2434.05	-2.95	16.2	2	-63	4.6	-67.6	-61.86	-5.74	12.46
2437	2434.10	-2.90	16.2	2	-63	4.6	-67.6	-61.86	-5.74	12.46
2437	2434.15	-2.85	16.2	2	-63	4.6	-67.6	-61.86	-5.74	12.46
2437	2434.20	-2.80	16.2	2	-63	4.6	-67.6	-61.86	-5.74	12.46
2437	2434.25	-2.75	16.2	2	-62.5	4.6	-67.1	-61.86	-5.24	12.96
2437	2434.30	-2.70	16.2	2	-62.5	4.6	-67.1	-61.86	-5.24	12.96
2437	2434.35	-2.65	16.2	2	-62.5	4.6	-67.1	-61.86	-5.24	12.96
2437	2434.40	-2.60	16.2	2	-62.5	4.6	-67.1	-61.86	-5.24	12.96
2437	2434.45	-2.55	16.2	2	-62.5	4.6	-67.1	-61.86	-5.24	12.96
2437	2434.50	-2.50	16.2	2	-62.5	4.6	-67.1	-61.86	-5.24	12.96
2437	2434.55	-2.45	16.2	2	-62.5	4.6	-67.1	-61.86	-5.24	12.96
2437	2434.60	-2.40	16.2	2	-62.5	4.6	-67.1	-61.86	-5.24	12.96
2437	2434.65	-2.35	16.2	2	-62.5	4.6	-67.1	-61.86	-5.24	12.96
2437	2434.70	-2.30	16.2	2	-62.5	4.6	-67.1	-61.86	-5.24	12.96
2437	2434.75	-2.25	16.2	2	-62.5	4.6	-67.1	-61.86	-5.24	12.96
2437	2434.80	-2.20	16.2	2	-63	4.6	-67.6	-61.86	-5.74	12.46
2437	2434.85	-2.15	16.2	2	-63	4.6	-67.6	-61.86	-5.74	12.46
2437	2434.90	-2.10	16.2	2	-63	4.6	-67.6	-61.86	-5.74	12.46
2437	2434.95	-2.05	16.2	2	-63	4.6	-67.6	-61.86	-5.74	12.46
2437	2435.00	-2.00	16.2	2	-63	4.6	-67.6	-61.86	-5.74	12.46
2437	2435.05	-1.95	16.2	2	-63.5	4.6	-68.1	-61.86	-6.24	11.96
2437	2435.10	-1.90	16.2	2	-63	4.6	-67.6	-61.86	-5.74	12.46
2437	2435.15	-1.85	16.2	2	-63	4.6	-67.6	-61.86	-5.74	12.46
2437	2435.20	-1.80	16.2	2	-63	4.6	-67.6	-61.86	-5.74	12.46
2437	2435.25	-1.75	16.2	2	-63	4.6	-67.6	-61.86	-5.74	12.46
2437	2435.30	-1.70	16.2	2	-62.5	4.6	-67.1	-61.86	-5.24	12.96
2437	2435.35	-1.65	16.2	2	-63	4.6	-67.6	-61.86	-5.74	12.46
2437	2435.40	-1.60	16.2	2	-63	4.6	-67.6	-61.86	-5.74	12.46

2437	2435.45	-1.55	16.2	2	-63	4.6	-67.6	-61.86	-5.74	12.46
2437	2435.50	-1.50	16.2	2	-62.5	4.6	-67.1	-61.86	-5.24	12.96
2437	2435.55	-1.45	16.2	2	-62.5	4.6	-67.1	-61.86	-5.24	12.96
2437	2435.60	-1.40	16.2	2	-63	4.6	-67.6	-61.86	-5.74	12.46
2437	2435.65	-1.35	16.2	2	-63	4.6	-67.6	-61.86	-5.74	12.46
2437	2435.70	-1.30	16.2	2	-63	4.6	-67.6	-61.86	-5.74	12.46
2437	2435.75	-1.25	16.2	2	-63	4.6	-67.6	-61.86	-5.74	12.46
2437	2435.80	-1.20	16.2	2	-63.5	4.6	-68.1	-61.86	-6.24	11.96
2437	2435.85	-1.15	16.2	2	-63.5	4.6	-68.1	-61.86	-6.24	11.96
2437	2436.00	-1.00	16.2	2	-63.5	4.6	-68.1	-61.86	-6.24	11.96
2437	2436.10	-0.90	16.2	2	-63.5	4.6	-68.1	-61.86	-6.24	11.96
2437	2436.15	-0.85	16.2	2	-63.5	4.6	-68.1	-61.86	-6.24	11.96
2437	2436.20	-0.80	16.2	2	-63.5	4.6	-68.1	-61.86	-6.24	11.96
2437	2436.30	-0.70	16.2	2	-63.5	4.6	-68.1	-61.86	-6.24	11.96
2437	2436.40	-0.60	16.2	2	-63.5	4.6	-68.1	-61.86	-6.24	11.96
2437	2436.45	-0.55	16.2	2	-63.5	4.6	-68.1	-61.86	-6.24	11.96
2437	2436.50	-0.50	16.2	2	-63.5	4.6	-68.1	-61.86	-6.24	11.96
2437	2436.55	-0.45	16.2	2	-63.5	4.6	-68.1	-61.86	-6.24	11.96
2437	2436.65	-0.35	16.2	2	-63.5	4.6	-68.1	-61.86	-6.24	11.96
2437	2437.00	0.00	16.2	2	-63.5	4.6	-68.1	-61.86	-6.24	11.96
2437	2439.50	2.50	16.2	2	-63.5	4.6	-68.1	-61.86	-6.24	11.96
2437	2439.55	2.55	16.2	2	-63.5	4.6	-68.1	-61.86	-6.24	11.96
2437	2439.95	2.95	16.2	2	-64	4.6	-68.6	-61.86	-6.74	11.46
2437	2440.00	3.00	16.2	2	-64	4.6	-68.6	-61.86	-6.74	11.46
2437	2440.05	3.05	16.2	2	-64	4.6	-68.6	-61.86	-6.74	11.46
2437	2440.10	3.10	16.2	2	-64	4.6	-68.6	-61.86	-6.74	11.46
2437	2440.15	3.15	16.2	2	-63.5	4.6	-68.1	-61.86	-6.24	11.96
2437	2440.20	3.20	16.2	2	-63.5	4.6	-68.1	-61.86	-6.24	11.96
2437	2440.25	3.25	16.2	2	-63.5	4.6	-68.1	-61.86	-6.24	11.96
2437	2440.30	3.30	16.2	2	-63.5	4.6	-68.1	-61.86	-6.24	11.96
2437	2440.35	3.35	16.2	2	-63.5	4.6	-68.1	-61.86	-6.24	11.96
2437	2440.40	3.40	16.2	2	-63.5	4.6	-68.1	-61.86	-6.24	11.96
2437	2440.45	3.45	16.2	2	-63.5	4.6	-68.1	-61.86	-6.24	11.96
2437	2440.50	3.50	16.2	2	-63.5	4.6	-68.1	-61.86	-6.24	11.96
2437	2440.55	3.55	16.2	2	-63	4.6	-67.6	-61.86	-5.74	12.46
2437	2440.60	3.60	16.2	2	-63	4.6	-67.6	-61.86	-5.74	12.46
2437	2440.65	3.65	16.2	2	-63	4.6	-67.6	-61.86	-5.74	12.46

2437	2440.70	3.70	16.2	2	-63.5	4.6	-68.1	-61.86	-6.24	11.96	
2437	2440.75	3.75	16.2	2	-63.5	4.6	-68.1	-61.86	-6.24	11.96	
2437	2440.80	3.80	16.2	2	-63.5	4.6	-68.1	-61.86	-6.24	11.96	
2437	2440.85	3.85	16.2	2	-63	4.6	-67.6	-61.86	-5.74	12.46	
2437	2440.90	3.90	16.2	2	-63.5	4.6	-68.1	-61.86	-6.24	11.96	
2437	2440.95	3.95	16.2	2	-63	4.6	-67.6	-61.86	-5.74	12.46	
2437	2441.00	4.00	16.2	2	-63	4.6	-67.6	-61.86	-5.74	12.46	
2437	2441.05	4.05	16.2	2	-63	4.6	-67.6	-61.86	-5.74	12.46	
2437	2441.10	4.10	16.2	2	-63.5	4.6	-68.1	-61.86	-6.24	11.96	
2437	2441.15	4.15	16.2	2	-63	4.6	-67.6	-61.86	-5.74	12.46	
2437	2441.20	4.20	16.2	2	-63	4.6	-67.6	-61.86	-5.74	12.46	
2437	2441.25	4.25	16.2	2	-63	4.6	-67.6	-61.86	-5.74	12.46	
2437	2441.30	4.30	16.2	2	-63	4.6	-67.6	-61.86	-5.74	12.46	
2437	2441.35	4.35	16.2	2	-63	4.6	-67.6	-61.86	-5.74	12.46	
2437	2441.40	4.40	16.2	2	-62.5	4.6	-67.1	-61.86	-5.24	12.96	
2437	2441.45	4.45	16.2	2	-62.5	4.6	-67.1	-61.86	-5.24	12.96	
2437	2441.50	4.50	16.2	2	-63	4.6	-67.6	-61.86	-5.74	12.46	
2437	2441.55	4.55	16.2	2	-63	4.6	-67.6	-61.86	-5.74	12.46	
2437	2441.60	4.60	16.2	2	-63	4.6	-67.6	-61.86	-5.74	12.46	
2437	2441.65	4.65	16.2	2	-63	4.6	-67.6	-61.86	-5.74	12.46	
2437	2441.70	4.70	16.2	2	-63	4.6	-67.6	-61.86	-5.74	12.46	
2437	2441.75	4.75	16.2	2	-63	4.6	-67.6	-61.86	-5.74	12.46	
2437	2441.80	4.80	16.2	2	-63.5	4.6	-68.1	-61.86	-6.24	11.96	
2437	2441.85	4.85	16.2	2	-63	4.6	-67.6	-61.86	-5.74	12.46	
2437	2441.90	4.90	16.2	2	-63.5	4.6	-68.1	-61.86	-6.24	11.96	
2437	2441.95	4.95	16.2	2	-63.5	4.6	-68.1	-61.86	-6.24	11.96	
2437	2442.00	5.00	16.2	2	-63.5	4.6	-68.1	-61.86	-6.24	11.96	
2437	2442.05	5.05	16.2	2	-63	4.6	-67.6	-61.86	-5.74	12.46	
2437	2442.10	5.10	16.2	2	-63	4.6	-67.6	-61.86	-5.74	12.46	
2437	2442.15	5.15	16.2	2	-62.5	4.6	-67.1	-61.86	-5.24	12.96	
2437	2442.20	5.20	16.2	2	-63	4.6	-67.6	-61.86	-5.74	12.46	
2437	2442.25	5.25	16.2	2	-63	4.6	-67.6	-61.86	-5.74	12.46	
2437	2442.30	5.30	16.2	2	-62.5	4.6	-67.1	-61.86	-5.24	12.96	
2437	2442.35	5.35	16.2	2	-62.5	4.6	-67.1	-61.86	-5.24	12.96	
2437	2442.40	5.40	16.2	2	-62.5	4.6	-67.1	-61.86	-5.24	12.96	
2437	2442.45	5.45	16.2	2	-62	4.6	-66.6	-61.86	-4.74	13.46	
2437	2442.50	5.50	16.2	2	-62.5	4.6	-67.1	-61.86	-5.24	12.96	

2437	2442.55	5.55	16.2	2	-62	4.6	-66.6	-61.86	-4.74	13.46
2437	2442.60	5.60	16.2	2	-62	4.6	-66.6	-61.86	-4.74	13.46
2437	2442.65	5.65	16.2	2	-62	4.6	-66.6	-61.86	-4.74	13.46
2437	2442.70	5.70	16.2	2	-62.5	4.6	-67.1	-61.86	-5.24	12.96
2437	2442.75	5.75	16.2	2	-62.5	4.6	-67.1	-61.86	-5.24	12.96
2437	2442.80	5.80	16.2	2	-62	4.6	-66.6	-61.86	-4.74	13.46
2437	2442.85	5.85	16.2	2	-63	4.6	-67.6	-61.86	-5.74	12.46
2437	2442.90	5.90	16.2	2	-62.5	4.6	-67.1	-61.86	-5.24	12.96
2437	2442.95	5.95	16.2	2	-62.5	4.6	-67.1	-61.86	-5.24	12.96
2437	2443.00	6.00	16.2	2	-62.5	4.6	-67.1	-61.86	-5.24	12.96
2437	2443.05	6.05	16.2	2	-62.5	4.6	-67.1	-61.86	-5.24	12.96
2437	2443.10	6.10	16.2	2	-62	4.6	-66.6	-61.86	-4.74	13.46
2437	2443.15	6.15	16.2	2	-62	4.6	-66.6	-61.86	-4.74	13.46
2437	2443.20	6.20	16.2	2	-62	4.6	-66.6	-61.86	-4.74	13.46
2437	2443.25	6.25	16.2	2	-62	4.6	-66.6	-61.86	-4.74	13.46
2437	2443.30	6.30	16.2	2	-62	4.6	-66.6	-61.86	-4.74	13.46
2437	2443.35	6.35	16.2	2	-61.5	4.6	-66.1	-61.86	-4.24	13.96
2437	2443.40	6.40	16.2	2	-61.5	4.6	-66.1	-61.86	-4.24	13.96
2437	2443.45	6.45	16.2	2	-61.5	4.6	-66.1	-61.86	-4.24	13.96
2437	2443.50	6.50	16.2	2	-61.5	4.6	-66.1	-61.86	-4.24	13.96
2437	2443.55	6.55	16.2	2	-62	4.6	-66.6	-61.86	-4.74	13.46
2437	2443.60	6.60	16.2	2	-61.5	4.6	-66.1	-61.86	-4.24	13.96
2437	2443.65	6.65	16.2	2	-61.5	4.6	-66.1	-61.86	-4.24	13.96
2437	2443.70	6.70	16.2	2	-61.5	4.6	-66.1	-61.86	-4.24	13.96
2437	2443.75	6.75	16.2	2	-61.5	4.6	-66.1	-61.86	-4.24	13.96
2437	2443.80	6.80	16.2	2	-61.5	4.6	-66.1	-61.86	-4.24	13.96
2437	2443.85	6.85	16.2	2	-61.5	4.6	-66.1	-61.86	-4.24	13.96
2437	2443.90	6.90	16.2	2	-61.5	4.6	-66.1	-61.86	-4.24	13.96
2437	2443.95	6.95	16.2	2	-61	4.6	-65.6	-61.86	-3.74	14.46
2437	2444.00	7.00	16.2	2	-61	4.6	-65.6	-61.86	-3.74	14.46
2437	2444.05	7.05	16.2	2	-61	4.6	-65.6	-61.86	-3.74	14.46
2437	2444.10	7.10	16.2	2	-60.5	4.6	-65.1	-61.86	-3.24	14.96
2437	2444.15	7.15	16.2	2	-61	4.6	-65.6	-61.86	-3.74	14.46
2437	2444.20	7.20	16.2	2	-60.5	4.6	-65.1	-61.86	-3.24	14.96
2437	2444.25	7.25	16.2	2	-60.5	4.6	-65.1	-61.86	-3.24	14.96
2437	2444.30	7.30	16.2	2	-60	4.6	-64.6	-61.86	-2.74	15.46
2437	2444.35	7.35	16.2	2	-60	4.6	-64.6	-61.86	-2.74	15.46

2437	2444.40	7.40	16.2	2	-60	4.6	-64.6	-61.86	-2.74	15.46	
2437	2444.45	7.45	16.2	2	-60	4.6	-64.6	-61.86	-2.74	15.46	
2437	2444.50	7.50	16.2	2	-59.5	4.6	-64.1	-61.86	-2.24	15.96	
2437	2444.55	7.55	16.2	2	-59.5	4.6	-64.1	-61.86	-2.24	15.96	
2437	2444.60	7.60	16.2	2	-59.5	4.6	-64.1	-61.86	-2.24	15.96	
2437	2444.65	7.65	16.2	2	-59	4.6	-63.6	-61.86	-1.74	16.46	
2437	2444.70	7.70	16.2	2	-59.5	4.6	-64.1	-61.86	-2.24	15.96	
2437	2444.75	7.75	16.2	2	-59	4.6	-63.6	-61.86	-1.74	16.46	
2437	2444.80	7.80	16.2	2	-59	4.6	-63.6	-61.86	-1.74	16.46	
2437	2444.85	7.85	16.2	2	-59	4.6	-63.6	-61.86	-1.74	16.46	
2437	2444.90	7.90	16.2	2	-59	4.6	-63.6	-61.86	-1.74	16.46	
2437	2444.95	7.95	16.2	2	-59	4.6	-63.6	-61.86	-1.74	16.46	
2437	2445.00	8.00	16.2	2	-58.5	4.6	-63.1	-61.86	-1.24	16.96	
2437	2445.05	8.05	16.2	2	-58.5	4.6	-63.1	-61.86	-1.24	16.96	
2437	2445.10	8.10	16.2	2	-58.5	4.6	-63.1	-61.86	-1.24	16.96	
2437	2445.15	8.15	16.2	2	-58	4.6	-62.6	-61.86	-0.74	17.46	
2437	2445.20	8.20	16.2	2	-58	4.6	-62.6	-61.86	-0.74	17.46	
2437	2445.25	8.25	16.2	2	-58	4.6	-62.6	-61.86	-0.74	17.46	
2437	2445.30	8.30	16.2	2	-58	4.6	-62.6	-61.86	-0.74	17.46	
2437	2445.35	8.35	16.2	2	-58	4.6	-62.6	-61.86	-0.74	17.46	
2437	2445.40	8.40	16.2	2	-57.5	4.6	-62.1	-61.86	-0.24	17.96	
2437	2445.45	8.45	16.2	2	-57.5	4.6	-62.1	-61.86	-0.24	17.96	
2437	2445.50	8.50	16.2	2	-57.5	4.6	-62.1	-61.86	-0.24	17.96	

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