Calculate remainders for BertBoard 1pps acquisition sample times.

Bert's default is 16 sec, giving 160,000,000 10MHz counts in the 16-bit counter
Only the remainder is used -- rollovers in the counter are ignored, so
160,000,000 / 65536 (16-bit full counter) = 2441.40625, and the ideal samp. freq. =
0.40625 * 65536 = 26624 dec, 0x6800 hex for exactly 10MHz.

Sec	total samples	remainder	0.4<= r <=0.6	Ideal Freq dec.	Ideal Freq. hex	suitable?
16	2441.40625	0.406250000	0.40625	26624	6800	VVG
17	2593.994141	0.994140625	0	0	0	
18	2746.582031	0.582031250	0.58203125	38144	9500	
19	2899.169922	0.169921875	0	0	0	
20	3051.757813	0.757812500	0	0	0	
21	3204.345703	0.345703125	0	0	0	
22	3356.933594	0.933593750	0	0	0	
23	3509.521484	0.521484375	0.521484375	34176	8580	
24	3662.109375	0.109375000	0	0	0	
25	3814.697266	0.697265625	0	0	0	
26	3967.285156	0.285156250	0	0	0	
27	4119.873047	0.873046875	0	0	0	
28	4272.460938	0.460937500	0.4609375	30208	7600	
29	4425.048828	0.048828125	0	0	0	
30	4577.636719	0.636718750	0	0	0	
31	4730.224609	0.224609375	0	0	0	
32	4882.8125	0.812500000	0	0	0	
33	5035.400391	0.400390625	0.400390625	26240	6680	
34	5187.988281	0.988281250	0	0	0	
35	5340.576172	0.576171875	0.576171875	37760	9380	
36	5493.164063	0.164062500	0	0	0	
37	5645.751953	0.751953125	0	0	0	
38	5798.339844	0.339843750	0	0	0	
39	5950.927734	0.927734375	0	0	0	
40	6103.515625	0.515625000	0.515625	33792	8400	VG
41	6256.103516	0.103515625	0	0	0	
42	6408.691406	0.691406250	0	0	0	
43	6561.279297	0.279296875	0	0	0	
44	6713.867188	0.867187500	0	0	0	
45	6866.455078	0.455078125	0.455078125	29824	7480	
46	7019.042969	0.042968750	0	0	0	
47	7171.630859	0.630859375	0	0	0	
48	7324.21875	0.218750000	0	0	0	
49	7476.806641	0.806640625	0	0	0	
50	7629.394531	0.394531250	0	0	0	
51	7781.982422	0.982421875	0	0	0	
52	7934.570313	0.570312500	0.5703125	37376	9200	G
53	8087.158203	0.158203125	0	0	0	
54	8239.746094	0.746093750	0	0	0	
55	8392.333984	0.333984375	0	0	0	
56	8544.921875	0.921875000	0	0	0	
57	8697.509766	0.509765625	0.509765625	33408	8280	
58	8850.097656	0.097656250	0	0	0	
59	9002.685547	0.685546875	0	0	0	
60	9155.273438	0.273437500	0	0	0	
61	9307.861328	0.861328125	0	0	0	
62	9460.449219	0.449218750	0.44921875	29440	7300	
63	9613.037109	0.037109375	0	0	0	

64	9765.625	0.625000000	0	0	0	G, but high	
65	9918.212891	0.212890625	0	0	0		
66	10070.80078	0.800781250	0	0	0		
67	10223.38867	0.388671875	0	0	0		
68	10375.97656	0.976562500	0	0	0		
69	10528.56445	0.564453125	0.564453125	36992	9080		
70	10681.15234	0.152343750	0	0	0		
71	10833.74023	0.740234375	0	0	0		
72	10986.32813	0.328125000	0	0	0		
73	11138.91602	0.916015625	0	0	0		
74	11291.50391	0.503906250	0.50390625	33024	8100		
75	11444.0918	0.091796875	0	0	0		
76	11596.67969	0.679687500	0	0	0		
77	11749.26758	0.267578125	0	0	0		
78	11901.85547	0.855468750	0	0	0		
79	12054.44336	0.443359375	0.443359375	29056	7180		
80	12207.03125	0.031250000	0	0	0		
81	12359.61914	0.619140625	0	0	0		
82	12512.20703	0.207031250	0	0	0		
83	12664.79492	0.794921875	0	0	0		
84	12817.38281	0.382812500	0	0	0		
85	12969.9707	0.970703125	0	0	0		
86	13122.55859	0.558593750	0.55859375	36608	8F00		
87	13275.14648	0.146484375	0	0	0		
88	13427.73438	0.734375000	0	0	0		
89	13580.32227	0.322265625	0	0	0		
90	13732.91016	0.910156250	0	0	0		
91	13885.49805	0.498046875	0.498046875	32640	7F80		
92	14038.08594	0.085937500	0	0	0		
93	14190.67383	0.673828125	0	0	0		
94	14343.26172	0.261718750	0	0	0		
95	14495.84961	0.849609375	0	0	0		
96	14648.4375	0.437500000	0.4375	28672	7000		E
97	14801.02539	0.025390625	0	0	0		
98	14953.61328	0.613281250	0	0	0		
99	15106.20117	0.201171875	0	0	0		
100	15258.78906	0.789062500	0	0	0		
101	15411.37695	0.376953125	0	0	0		
102	15563.96484	0.964843750	0	0	0		
103	15716.55273	0.552734375	0.552734375	36224	8D80		
104	15869.14063	0.140625000	0	0	0		
105	16021.72852	0.728515625	0	0	0		
106	16174.31641	0.316406250	0	0	0		
107	16326.9043	0.904296875	0	0	0		
108	16479.49219	0.492187500	0.4921875	32256	7E00		G
109	16632.08008	0.080078125	0	0	0		
110	16784.66797	0.667968750	0	0	0		
111	16937.25586	0.255859375	0	0	0		
112	17089.84375	0.843750000	0	0	0		
113	17242.43164	0.431640625	0.431640625	28288	6E80		
114	17395.01953	0.019531250	0	0	0		
115	17547.60742	0.607421875	0	0	0		
116	17700.19531	0.195312500	0	0	0		
117	17852.7832	0.783203125	0	0	0		
118	18005.37109	0.371093750	0	0	0		

119	18157.95898	0.958984375	0	0	0	
120	18310.54688	0.546875000	0.546875	35840	8C00	VG
121	18463.13477	0.134765625	0	0	0	
122	18615.72266	0.722656250	0	0	0	
123	18768.31055	0.310546875	0	0	0	
124	18920.89844	0.898437500	0	0	0	
125	19073.48633	0.486328125	0.486328125	31872	7C80	
126	19226.07422	0.074218750	0	0	0	
127	19378.66211	0.662109375	0	0	0	
128	19531.25	0.250000000	0	0	0	
129	19683.83789	0.837890625	0	0	0	
130	19836.42578	0.425781250	0.42578125	27904	6D00	
131	19989.01367	0.013671875	0	0	0	
132	20141.60156	0.601562500	0	0	0	
133	20294.18945	0.189453125	0	0	0	
134	20446.77734	0.777343750	0	0	0	
135	20599.36523	0.365234375	0	0	0	
136	20751.95313	0.953125000	0	0	0	
137	20904.54102	0.541015625	0.541015625	35456	8A80	
138	21057.12891	0.128906250	0	0	0	
139	21209.7168	0.716796875	0	0	0	
140	21362.30469	0.304687500	0	0	0	
141	21514.89258	0.892578125	0	0	0	
142	21667.48047	0.480468750	0.48046875	31488	7B00	
143	21820.06836	0.068359375	0	0	0	
144	21972.65625	0.656250000	0	0	0	
145	22125.24414	0.244140625	0	0	0	
146	22277.83203	0.832031250	0	0	0	
147	22430.41992	0.419921875	0.419921875	27520	6B80	
148	22583.00781	0.007812500	0	0	0	
149	22735.5957	0.595703125	0.595703125	39040	9880	
150	22888.18359	0.183593750	0	0	0	
151	23040.77148	0.771484375	0	0	0	
152	23193.35938	0.359375000	0	0	0	
153	23345.94727	0.947265625	0	0	0	
154	23498.53516	0.535156250	0.53515625	35072	8900	
155	23651.12305	0.123046875	0	0	0	
156	23803.71094	0.710937500	0	0	0	
157	23956.29883	0.298828125	0	0	0	
158	24108.88672	0.886718750	0	0	0	
159	24261.47461	0.474609375	0.474609375	31104	7980	
160	24414.0625	0.062500000	0	0	0	
161	24566.65039	0.650390625	0	0	0	
162	24719.23828	0.238281250	0	0	0	
163	24871.82617	0.826171875	0	0	0	
164	25024.41406	0.414062500	0.4140625	27136	6A00	
165	25177.00195	0.001953125	0	0	0	
166	25329.58984	0.589843750	0.58984375	38656	9700	
167	25482.17773	0.177734375	0	0	0	
168	25634.76563	0.765625000	0	0	0	
169	25787.35352	0.353515625	0	0	0	
170	25939.94141	0.941406250	0	0	0	
171	26092.5293	0.529296875	0.529296875	34688	8780	
172	26245.11719	0.117187500	0	0	0	
173	26397.70508	0.705078125	0	0	0	

174	26550.29297	0.292968750	0	0	0	
175	26702.88086	0.880859375	0	0	0	
176	26855.46875	0.468750000	0.46875	30720	7800	VVG
177	27008.05664	0.056640625	0	0	0	
178	27160.64453	0.644531250	0	0	0	
179	27313.23242	0.232421875	0	0	0	
180	27465.82031	0.820312500	0	0	0	
181	27618.4082	0.408203125	0.408203125	26752	6880	
182	27770.99609	0.996093750	0	0	0	
183	27923.58398	0.583984375	0.583984375	38272	9580	
184	28076.17188	0.171875000	0	0	0	
185	28228.75977	0.759765625	0	0	0	
186	28381.34766	0.347656250	0	0	0	
187	28533.93555	0.935546875	0	0	0	
188	28686.52344	0.523437500	0.5234375	34304	8600	
189	28839.11133	0.111328125	0	0	0	
190	28991.69922	0.699218750	0	0	0	
191	29144.28711	0.287109375	0	0	0	
192	29296.875	0.875000000	0	0	0	
193	29449.46289	0.462890625	0.462890625	30336	7680	
194	29602.05078	0.050781250	0	0	0	
195	29754.63867	0.638671875	0	0	0	
196	29907.22656	0.226562500	0	0	0	
197	30059.81445	0.814453125	0	0	0	
198	30212.40234	0.402343750	0.40234375	26368	6700	
199	30364.99023	0.990234375	0	0	0	
200	30517.57813	0.578125000	0.578125	37888	9400	G
201	30670.16602	0.166015625	0	0	0	
202	30822.75391	0.753906250	0	0	0	
203	30975.3418	0.341796875	0	0	0	
204	31127.92969	0.929687500	0	0	0	
205	31280.51758	0.517578125	0.517578125	33920	8480	
206	31433.10547	0.105468750	0	0	0	
207	31585.69336	0.693359375	0	0	0	
208	31738.28125	0.281250000	0	0	0	
209	31890.86914	0.869140625	0	0	0	
210	32043.45703	0.457031250	0.45703125	29952	7500	
211	32196.04492	0.044921875	0	0	0	
212	32348.63281	0.632812500	0	0	0	
213	32501.2207	0.220703125	0	0	0	
214	32653.80859	0.808593750	0	0	0	
215	32806.39648	0.396484375	0	0	0	
216	32958.98438	0.984375000	0	0	0	
217	33111.57227	0.572265625	0.572265625	37504	9280	
218	33264.16016	0.160156250	0	0	0	
219	33416.74805	0.748046875	0	0	0	
220	33569.33594	0.335937500	0	0	0	
221	33721.92383	0.923828125	0	0	0	
222	33874.51172	0.511718750	0.51171875	33536	8300	
223	34027.09961	0.099609375	0	0	0	
224	34179.6875	0.687500000	0	0	0	
225	34332.27539	0.275390625	0	0	0	
226	34484.86328	0.863281250	0	0	0	
227	34637.45117	0.451171875	0.451171875	29568	7380	
228	34790.03906	0.039062500	0	0	0	

229	34942.62695	0.626953125	0	0	0	
230	35095.21484	0.214843750	0	0	0	
231	35247.80273	0.802734375	0	0	0	
232	35400.39063	0.390625000	0	0	0	
233	35552.97852	0.978515625	0	0	0	
234	35705.56641	0.566406250	0.56640625	37120	9100	
235	35858.1543	0.154296875	0	0	0	
236	36010.74219	0.742187500	0	0	0	
237	36163.33008	0.330078125	0	0	0	
238	36315.91797	0.917968750	0	0	0	
239	36468.50586	0.505859375	0.505859375	33152	8180	
240	36621.09375	0.093750000	0	0	0	
241	36773.68164	0.681640625	0	0	0	
242	36926.26953	0.269531250	0	0	0	
243	37078.85742	0.857421875	0	0	0	
244	37231.44531	0.445312500	0.4453125	29184	7200	G
245	37384.0332	0.033203125	0	0	0	
246	37536.62109	0.621093750	0	0	0	
247	37689.20898	0.208984375	0	0	0	
248	37841.79688	0.796875000	0	0	0	
249	37994.38477	0.384765625	0	0	0	
250	38146.97266	0.972656250	0	0	0	
251	38299.56055	0.560546875	0.560546875	36736	8F80	
252	38452.14844	0.148437500	0	0	0	
253	38604.73633	0.736328125	0	0	0	
254	38757.32422	0.324218750	0	0	0	
255	38909.91211	0.912109375	0	0	0	