

<u>IoLink4 Data Rate Mode</u>	4xT1		<u>RF ODU</u>		5.7 GHz		
<u>Test Channel</u>	Channel C						
<u>System Loss assumed</u>	2.0	<i>dB</i>					
Total Adjustable Attenuation excluding Loss of Splitter & Cable				80	dB		
Loss of Splitter and Cable (Jammer path)				7.0	dB		

IoLink4 Data Rate Mode (T2/E2)				T2					
RF ODU Types			High Power						
	Single-tone Jammer Frequency (MHz)	Total S-CDMA DSSS signal at Splitter Output (dBm)	Useful signal Power for Each data Channel (dBm)	CW Jammer (dBm) at Signal Generator at Splitter		Jammer to Signal Ratio for each individual Data channel (dB)	Measured Bit Error Rate x 10 ⁽⁻⁶⁾	Approximate Eb/N0 at that BER (dB)	Processing Gain Loss=2 dB (dB)
Test									
1	5838.000	-7.8	-14.8	-14.0	-21.0	-6.2	1.00	11.4	7.2
2	5838.050	-7.8	-14.8	-13.5	-20.5	-5.7	2.00	11.4	7.7
3	5838.100	-7.8	-14.8	-12.4	-19.4	-4.6	2.00	11.4	8.8
4	5838.150	-7.8	-14.8	-11.7	-18.7	-3.9	2.00	11.4	9.5
5	5838.200	-7.8	-14.8	-11.2	-18.2	-3.4	1.90	11.4	10.0
6	5838.250	-7.8	-14.8	-11.2	-18.2	-3.4	1.90	11.4	10.0
7	5838.300	-7.8	-14.8	-11.2	-18.2	-3.4	2.00	11.4	10.0
8	5838.350	-7.8	-14.8	-11.2	-18.2	-3.4	1.70	11.4	10.0
9	5838.400	-7.8	-14.8	-11.2	-18.2	-3.4	2.00	11.4	10.0
10	5838.450	-7.8	-14.8	-11.2	-18.2	-3.4	2.00	11.4	10.0
11	5838.500	-7.8	-14.8	-11.2	-18.2	-3.4	2.00	11.4	10.0
12	5838.550	-7.8	-14.8	-11.2	-18.2	-3.4	1.80	11.4	10.0
13	5838.600	-7.8	-14.8	-11.2	-18.2	-3.4	1.90	11.4	10.0
14	5838.650	-7.8	-14.8	-11.1	-18.1	-3.3	2.00	11.4	10.1
15	5838.700	-7.8	-14.8	-10.6	-17.6	-2.8	1.24	11.4	10.6
16	5838.750	-7.8	-14.8	-10.4	-17.4	-2.6	1.00	11.4	10.8
17	5838.800	-7.8	-14.8	-10.5	-17.5	-2.7	1.00	11.4	10.7
18	5838.850	-7.8	-14.8	-10.4	-17.4	-2.6	1.00	11.4	10.8
19	5838.900	-7.8	-14.8	-10.4	-17.4	-2.6	1.00	11.4	10.8
20	5838.950	-7.8	-14.8	-10.4	-17.4	-2.6	1.00	11.4	10.8
21	5839.000	-7.8	-14.8	-10.1	-17.1	-2.3	2.00	11.4	11.1
22	5839.050	-7.8	-14.8	-10.0	-17.0	-2.2	1.40	11.4	11.2
23	5839.100	-7.8	-14.8	-9.8	-16.8	-2.0	1.00	11.4	11.4
24	5839.150	-7.8	-14.8	-9.7	-16.7	-1.9	1.10	11.4	11.5
25	5839.200	-7.8	-14.8	-9.6	-16.6	-1.8	1.00	11.4	11.6
26	5839.250	-7.8	-14.8	-9.6	-16.6	-1.8	1.60	11.4	11.6
27	5839.300	-7.8	-14.8	-9.6	-16.6	-1.8	1.40	11.4	11.6
28	5839.350	-7.8	-14.8	-9.9	-16.9	-2.1	1.00	11.4	11.3
29	5839.400	-7.8	-14.8	-9.9	-16.9	-2.1	1.00	11.4	11.3
30	5839.450	-7.8	-14.8	-9.9	-16.9	-2.1	1.00	11.4	11.3
31	5839.500	-7.8	-14.8	-10.0	-17.0	-2.2	1.00	11.4	11.2

Test	Single-tone Jammer Frequency (MHz)	Total S-CDMA DSSS signal at Splitter Output (dBm)	Useful signal Power for Each data Channel (dBm)	CW Jammer (dBm)		Jammer to Signal Ratio for each individual Data channel (dB)	Measured Bit Error Rate x 10 ⁽⁻⁶⁾	Approximate Eb/N0 at that BER (dB)	Processing Gain Loss=2 dB (dB)
				at Signal Generator	at Splitter				
32	5839.550	-7.8	-14.8	-10.0	-17.0	-2.2	1.70	11.4	11.2
33	5839.600	-7.8	-14.8	-10.0	-17.0	-2.2	1.50	11.4	11.2
34	5839.650	-7.8	-14.8	-10.0	-17.0	-2.2	1.00	11.4	11.2
35	5839.700	-7.8	-14.8	-10.0	-17.0	-2.2	1.70	11.4	11.2
36	5839.750	-7.8	-14.8	-10.0	-17.0	-2.2	2.00	11.4	11.2
37	5839.800	-7.8	-14.8	-10.0	-17.0	-2.2	1.50	11.4	11.2
38	5839.850	-7.8	-14.8	-10.0	-17.0	-2.2	1.70	11.4	11.2
39	5839.900	-7.8	-14.8	-10.0	-17.0	-2.2	1.30	11.4	11.2
40	5839.950	-7.8	-14.8	-9.8	-16.8	-2.0	1.10	11.4	11.4
41	5840.000	-7.8	-14.8	-9.9	-16.9	-2.1	1.00	11.4	11.3
42	5840.050	-7.8	-14.8	-9.7	-16.7	-1.9	1.50	11.4	11.5
43	5840.100	-7.8	-14.8	-9.3	-16.3	-1.5	1.50	11.4	11.9
44	5840.150	-7.8	-14.8	-9.3	-16.3	-1.5	1.80	11.4	11.9
45	5840.200	-7.8	-14.8	-9.4	-16.4	-1.6	1.40	11.4	11.8
46	5840.250	-7.8	-14.8	-9.4	-16.4	-1.6	1.50	11.4	11.8
47	5840.300	-7.8	-14.8	-9.4	-16.4	-1.6	1.20	11.4	11.8
48	5840.350	-7.8	-14.8	-9.6	-16.6	-1.8	1.20	11.4	11.6
49	5840.400	-7.8	-14.8	-9.7	-16.7	-1.9	1.00	11.4	11.5
50	5840.450	-7.8	-14.8	-9.7	-16.7	-1.9	1.00	11.4	11.5
51	5840.500	-7.8	-14.8	-9.7	-16.7	-1.9	1.20	11.4	11.5
52	5840.550	-7.8	-14.8	-9.7	-16.7	-1.9	1.00	11.4	11.5
53	5840.600	-7.8	-14.8	-9.6	-16.6	-1.8	1.00	11.4	11.6
54	5840.650	-7.8	-14.8	-9.6	-16.6	-1.8	1.30	11.4	11.6
55	5840.700	-7.8	-14.8	-9.6	-16.6	-1.8	1.00	11.4	11.6
56	5840.750	-7.8	-14.8	-9.6	-16.6	-1.8	1.00	11.4	11.6
57	5840.800	-7.8	-14.8	-9.6	-16.6	-1.8	1.00	11.4	11.6
58	5840.850	-7.8	-14.8	-9.7	-16.7	-1.9	1.00	11.4	11.5
59	5840.900	-7.8	-14.8	-9.7	-16.7	-1.9	1.00	11.4	11.5
60	5840.950	-7.8	-14.8	-9.7	-16.7	-1.9	2.00	11.4	11.5
61	5841.000	-7.8	-14.8	-9.8	-16.8	-2.0	1.40	11.4	11.4
62	5841.050	-7.8	-14.8	-9.8	-16.8	-2.0	1.40	11.4	11.4