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2	3.0	19185	1908.5	QPSK	1@0	4000	7000	-40.62	-13	PASS
2	3.0	19185	1908.5	QPSK	1@0	7000	10000	-43.7	-13	PASS
2	3.0	19185	1908.5	QPSK	1@0	10000	13000	-42.01	-13	PASS
2	3.0	19185	1908.5	QPSK	1@0	13000	16000	-37.69	-13	PASS
2	3.0	19185	1908.5	QPSK	1@0	16000	19000	-35.72	-13	PASS
2	3.0	19185	1908.5	QPSK	1@0	19000	20000	-34.8	-13	PASS
2	3.0	19185	1908.5	16QAM	1@0	30	1000	-37.04	-13	PASS
2	3.0	19185	1908.5	16QAM	1@0	1000	4000	-37.46	-13	PASS
2	3.0	19185	1908.5	16QAM	1@0	4000	7000	-40.38	-13	PASS
2	3.0	19185	1908.5	16QAM	1@0	7000	10000	-42.79	-13	PASS
2	3.0	19185	1908.5	16QAM	1@0	10000	13000	-41.58	-13	PASS
2	3.0	19185	1908.5	16QAM	1@0	13000	16000	-37.92	-13	PASS
2	3.0	19185	1908.5	16QAM	1@0	16000	19000	-35.62	-13	PASS
2	3.0	19185	1908.5	16QAM	1@0	19000	20000	-36.17	-13	PASS
2	5.0	18625	1852.5	QPSK	1@0	30	1000	-33.25	-13	PASS
2	5.0	18625	1852.5	QPSK	1@0	1000	4000	-35.9	-13	PASS
2	5.0	18625	1852.5	QPSK	1@0	4000	7000	-40.55	-13	PASS
2	5.0	18625	1852.5	QPSK	1@0	7000	10000	-43.95	-13	PASS
2	5.0	18625	1852.5	QPSK	1@0	10000	13000	-41.51	-13	PASS
2	5.0	18625	1852.5	QPSK	1@0	13000	16000	-38.46	-13	PASS
2	5.0	18625	1852.5	QPSK	1@0	16000	19000	-35.34	-13	PASS
2	5.0	18625	1852.5	QPSK	1@0	19000	20000	-35.48	-13	PASS
2	5.0	18625	1852.5	16QAM	1@0	30	1000	-33.27	-13	PASS
2	5.0	18625	1852.5	16QAM	1@0	1000	4000	-36.69	-13	PASS
2	5.0	18625	1852.5	16QAM	1@0	4000	7000	-39.7	-13	PASS
2	5.0	18625	1852.5	16QAM	1@0	7000	10000	-43.66	-13	PASS
2	5.0	18625	1852.5	16QAM	1@0	10000	13000	-41.31	-13	PASS
2	5.0	18625	1852.5	16QAM	1@0	13000	16000	-37.08	-13	PASS
2	5.0	18625	1852.5	16QAM	1@0	16000	19000	-35.57	-13	PASS
2	5.0	18625	1852.5	16QAM	1@0	19000	20000	-36.09	-13	PASS
2	5.0	18900	1880.0	QPSK	1@0	30	1000	-33.91	-13	PASS
2	5.0	18900	1880.0	QPSK	1@0	1000	4000	-36.94	-13	PASS
2	5.0	18900	1880.0	QPSK	1@0	4000	7000	-41.6	-13	PASS
2	5.0	18900	1880.0	QPSK	1@0	7000	10000	-43.83	-13	PASS
2	5.0	18900	1880.0	QPSK	1@0	10000	13000	-41.27	-13	PASS
2	5.0	18900	1880.0	QPSK	1@0	13000	16000	-38.02	-13	PASS
2	5.0	18900	1880.0	QPSK	1@0	16000	19000	-35.36	-13	PASS
2	5.0	18900	1880.0	QPSK	1@0	19000	20000	-35.41	-13	PASS
2	5.0	18900	1880.0	16QAM	1@0	30	1000	-33.32	-13	PASS
2	5.0	18900	1880.0	16QAM	1@0	1000	4000	-37.4	-13	PASS
2	5.0	18900	1880.0	16QAM	1@0	4000	7000	-40.96	-13	PASS
2	5.0	18900	1880.0	16QAM	1@0	7000	10000	-42.45	-13	PASS
2	5.0	18900	1880.0	16QAM	1@0	10000	13000	-41.87	-13	PASS



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2	5.0	18900	1880.0	16QAM	1@0	13000	16000	-38.14	-13	PASS
2	5.0	18900	1880.0	16QAM	1@0	16000	19000	-36.21	-13	PASS
2	5.0	18900	1880.0	16QAM	1@0	19000	20000	-35.29	-13	PASS
2	5.0	19175	1907.5	QPSK	1@0	30	1000	-35.72	-13	PASS
2	5.0	19175	1907.5	QPSK	1@0	1000	4000	-37.16	-13	PASS
2	5.0	19175	1907.5	QPSK	1@0	4000	7000	-40.83	-13	PASS
2	5.0	19175	1907.5	QPSK	1@0	7000	10000	-43.82	-13	PASS
2	5.0	19175	1907.5	QPSK	1@0	10000	13000	-41.36	-13	PASS
2	5.0	19175	1907.5	QPSK	1@0	13000	16000	-37.7	-13	PASS
2	5.0	19175	1907.5	QPSK	1@0	16000	19000	-35.9	-13	PASS
2	5.0	19175	1907.5	QPSK	1@0	19000	20000	-36.12	-13	PASS
2	5.0	19175	1907.5	16QAM	1@0	30	1000	-33.44	-13	PASS
2	5.0	19175	1907.5	16QAM	1@0	1000	4000	-37.68	-13	PASS
2	5.0	19175	1907.5	16QAM	1@0	4000	7000	-40.29	-13	PASS
2	5.0	19175	1907.5	16QAM	1@0	7000	10000	-43.69	-13	PASS
2	5.0	19175	1907.5	16QAM	1@0	10000	13000	-40.97	-13	PASS
2	5.0	19175	1907.5	16QAM	1@0	13000	16000	-38.23	-13	PASS
2	5.0	19175	1907.5	16QAM	1@0	16000	19000	-36.01	-13	PASS
2	5.0	19175	1907.5	16QAM	1@0	19000	20000	-34.85	-13	PASS
2	10.0	18650	1855.0	QPSK	1@0	30	1000	-33.26	-13	PASS
2	10.0	18650	1855.0	QPSK	1@0	1000	4000	-37.41	-13	PASS
2	10.0	18650	1855.0	QPSK	1@0	4000	7000	-40.63	-13	PASS
2	10.0	18650	1855.0	QPSK	1@0	7000	10000	-43.76	-13	PASS
2	10.0	18650	1855.0	QPSK	1@0	10000	13000	-42.24	-13	PASS
2	10.0	18650	1855.0	QPSK	1@0	13000	16000	-37.69	-13	PASS
2	10.0	18650	1855.0	QPSK	1@0	16000	19000	-35.87	-13	PASS
2	10.0	18650	1855.0	QPSK	1@0	19000	20000	-35.45	-13	PASS
2	10.0	18650	1855.0	16QAM	1@0	30	1000	-31.72	-13	PASS
2	10.0	18650	1855.0	16QAM	1@0	1000	4000	-37.46	-13	PASS
2	10.0	18650	1855.0	16QAM	1@0	4000	7000	-40.99	-13	PASS
2	10.0	18650	1855.0	16QAM	1@0	7000	10000	-43.44	-13	PASS
2	10.0	18650	1855.0	16QAM	1@0	10000	13000	-41.97	-13	PASS
2	10.0	18650	1855.0	16QAM	1@0	13000	16000	-37.56	-13	PASS
2	10.0	18650	1855.0	16QAM	1@0	16000	19000	-35.5	-13	PASS
2	10.0	18650	1855.0	16QAM	1@0	19000	20000	-35.44	-13	PASS
2	10.0	18900	1880.0	QPSK	1@0	30	1000	-33.1	-13	PASS
2	10.0	18900	1880.0	QPSK	1@0	1000	4000	-36.77	-13	PASS
2	10.0	18900	1880.0	QPSK	1@0	4000	7000	-41.29	-13	PASS
2	10.0	18900	1880.0	QPSK	1@0	7000	10000	-42.96	-13	PASS
2	10.0	18900	1880.0	QPSK	1@0	10000	13000	-41.81	-13	PASS
2	10.0	18900	1880.0	QPSK	1@0	13000	16000	-36.64	-13	PASS
2	10.0	18900	1880.0	QPSK	1@0	16000	19000	-35.05	-13	PASS
2	10.0	18900	1880.0	QPSK	1@0	19000	20000	-35.97	-13	PASS



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2	10.0	18900	1880.0	16QAM	1@0	30	1000	-33.42	-13	PASS
2	10.0	18900	1880.0	16QAM	1@0	1000	4000	-36.74	-13	PASS
2	10.0	18900	1880.0	16QAM	1@0	4000	7000	-39.19	-13	PASS
2	10.0	18900	1880.0	16QAM	1@0	7000	10000	-42.97	-13	PASS
2	10.0	18900	1880.0	16QAM	1@0	10000	13000	-42.14	-13	PASS
2	10.0	18900	1880.0	16QAM	1@0	13000	16000	-38.02	-13	PASS
2	10.0	18900	1880.0	16QAM	1@0	16000	19000	-35.53	-13	PASS
2	10.0	18900	1880.0	16QAM	1@0	19000	20000	-35.28	-13	PASS
2	10.0	19150	1905.0	QPSK	1@0	30	1000	-33.13	-13	PASS
2	10.0	19150	1905.0	QPSK	1@0	1000	4000	-37.39	-13	PASS
2	10.0	19150	1905.0	QPSK	1@0	4000	7000	-40.87	-13	PASS
2	10.0	19150	1905.0	QPSK	1@0	7000	10000	-43.56	-13	PASS
2	10.0	19150	1905.0	QPSK	1@0	10000	13000	-41.62	-13	PASS
2	10.0	19150	1905.0	QPSK	1@0	13000	16000	-37.3	-13	PASS
2	10.0	19150	1905.0	QPSK	1@0	16000	19000	-35.52	-13	PASS
2	10.0	19150	1905.0	QPSK	1@0	19000	20000	-35.98	-13	PASS
2	10.0	19150	1905.0	16QAM	1@0	30	1000	-36.75	-13	PASS
2	10.0	19150	1905.0	16QAM	1@0	1000	4000	-36.58	-13	PASS
2	10.0	19150	1905.0	16QAM	1@0	4000	7000	-41.11	-13	PASS
2	10.0	19150	1905.0	16QAM	1@0	7000	10000	-43.19	-13	PASS
2	10.0	19150	1905.0	16QAM	1@0	10000	13000	-41.53	-13	PASS
2	10.0	19150	1905.0	16QAM	1@0	13000	16000	-37.44	-13	PASS
2	10.0	19150	1905.0	16QAM	1@0	16000	19000	-35.85	-13	PASS
2	10.0	19150	1905.0	16QAM	1@0	19000	20000	-35.68	-13	PASS
2	15.0	18675	1857.5	QPSK	1@0	30	1000	-29.0	-13	PASS
2	15.0	18675	1857.5	QPSK	1@0	1000	4000	-37.57	-13	PASS
2	15.0	18675	1857.5	QPSK	1@0	4000	7000	-39.64	-13	PASS
2	15.0	18675	1857.5	QPSK	1@0	7000	10000	-43.34	-13	PASS
2	15.0	18675	1857.5	QPSK	1@0	10000	13000	-42.05	-13	PASS
2	15.0	18675	1857.5	QPSK	1@0	13000	16000	-37.6	-13	PASS
2	15.0	18675	1857.5	QPSK	1@0	16000	19000	-36.03	-13	PASS
2	15.0	18675	1857.5	QPSK	1@0	19000	20000	-34.74	-13	PASS
2	15.0	18675	1857.5	16QAM	1@0	30	1000	-32.24	-13	PASS
2	15.0	18675	1857.5	16QAM	1@0	1000	4000	-37.25	-13	PASS
2	15.0	18675	1857.5	16QAM	1@0	4000	7000	-41.74	-13	PASS
2	15.0	18675	1857.5	16QAM	1@0	7000	10000	-43.73	-13	PASS
2	15.0	18675	1857.5	16QAM	1@0	10000	13000	-41.3	-13	PASS
2	15.0	18675	1857.5	16QAM	1@0	13000	16000	-38.16	-13	PASS
2	15.0	18675	1857.5	16QAM	1@0	16000	19000	-35.28	-13	PASS
2	15.0	18675	1857.5	16QAM	1@0	19000	20000	-35.0	-13	PASS
2	15.0	18900	1880.0	QPSK	1@0	30	1000	-29.47	-13	PASS
2	15.0	18900	1880.0	QPSK	1@0	1000	4000	-37.22	-13	PASS
2	15.0	18900	1880.0	QPSK	1@0	4000	7000	-39.9	-13	PASS



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2	15.0	18900	1880.0	QPSK	1@0	7000	10000	-43.26	-13	PASS
2	15.0	18900	1880.0	QPSK	1@0	10000	13000	-42.11	-13	PASS
2	15.0	18900	1880.0	QPSK	1@0	13000	16000	-37.72	-13	PASS
2	15.0	18900	1880.0	QPSK	1@0	16000	19000	-35.19	-13	PASS
2	15.0	18900	1880.0	QPSK	1@0	19000	20000	-35.34	-13	PASS
2	15.0	18900	1880.0	16QAM	1@0	30	1000	-35.05	-13	PASS
2	15.0	18900	1880.0	16QAM	1@0	1000	4000	-37.02	-13	PASS
2	15.0	18900	1880.0	16QAM	1@0	4000	7000	-40.91	-13	PASS
2	15.0	18900	1880.0	16QAM	1@0	7000	10000	-43.81	-13	PASS
2	15.0	18900	1880.0	16QAM	1@0	10000	13000	-41.87	-13	PASS
2	15.0	18900	1880.0	16QAM	1@0	13000	16000	-38.22	-13	PASS
2	15.0	18900	1880.0	16QAM	1@0	16000	19000	-35.91	-13	PASS
2	15.0	18900	1880.0	16QAM	1@0	19000	20000	-35.12	-13	PASS
2	15.0	19125	1902.5	QPSK	1@0	30	1000	-29.94	-13	PASS
2	15.0	19125	1902.5	QPSK	1@0	1000	4000	-37.81	-13	PASS
2	15.0	19125	1902.5	QPSK	1@0	4000	7000	-40.86	-13	PASS
2	15.0	19125	1902.5	QPSK	1@0	7000	10000	-43.99	-13	PASS
2	15.0	19125	1902.5	QPSK	1@0	10000	13000	-40.9	-13	PASS
2	15.0	19125	1902.5	QPSK	1@0	13000	16000	-37.83	-13	PASS
2	15.0	19125	1902.5	QPSK	1@0	16000	19000	-36.3	-13	PASS
2	15.0	19125	1902.5	QPSK	1@0	19000	20000	-35.48	-13	PASS
2	15.0	19125	1902.5	16QAM	1@0	30	1000	-32.87	-13	PASS
2	15.0	19125	1902.5	16QAM	1@0	1000	4000	-36.88	-13	PASS
2	15.0	19125	1902.5	16QAM	1@0	4000	7000	-40.19	-13	PASS
2	15.0	19125	1902.5	16QAM	1@0	7000	10000	-43.75	-13	PASS
2	15.0	19125	1902.5	16QAM	1@0	10000	13000	-41.81	-13	PASS
2	15.0	19125	1902.5	16QAM	1@0	13000	16000	-37.79	-13	PASS
2	15.0	19125	1902.5	16QAM	1@0	16000	19000	-35.44	-13	PASS
2	15.0	19125	1902.5	16QAM	1@0	19000	20000	-34.94	-13	PASS
2	20.0	18700	1860.0	QPSK	1@0	30	1000	-35.69	-13	PASS
2	20.0	18700	1860.0	QPSK	1@0	1000	4000	-36.7	-13	PASS
2	20.0	18700	1860.0	QPSK	1@0	4000	7000	-40.42	-13	PASS
2	20.0	18700	1860.0	QPSK	1@0	7000	10000	-43.39	-13	PASS
2	20.0	18700	1860.0	QPSK	1@0	10000	13000	-41.84	-13	PASS
2	20.0	18700	1860.0	QPSK	1@0	13000	16000	-38.2	-13	PASS
2	20.0	18700	1860.0	QPSK	1@0	16000	19000	-35.29	-13	PASS
2	20.0	18700	1860.0	QPSK	1@0	19000	20000	-36.22	-13	PASS
2	20.0	18700	1860.0	16QAM	1@0	30	1000	-29.38	-13	PASS
2	20.0	18700	1860.0	16QAM	1@0	1000	4000	-36.44	-13	PASS
2	20.0	18700	1860.0	16QAM	1@0	4000	7000	-41.08	-13	PASS
2	20.0	18700	1860.0	16QAM	1@0	7000	10000	-43.43	-13	PASS
2	20.0	18700	1860.0	16QAM	1@0	10000	13000	-41.66	-13	PASS
2	20.0	18700	1860.0	16QAM	1@0	13000	16000	-37.95	-13	PASS



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2	20.0	18700	1860.0	16QAM	1@0	16000	19000	-35.17	-13	PASS
2	20.0	18700	1860.0	16QAM	1@0	19000	20000	-36.01	-13	PASS
2	20.0	18900	1880.0	QPSK	1@0	30	1000	-35.26	-13	PASS
2	20.0	18900	1880.0	QPSK	1@0	1000	4000	-37.29	-13	PASS
2	20.0	18900	1880.0	QPSK	1@0	4000	7000	-40.96	-13	PASS
2	20.0	18900	1880.0	QPSK	1@0	7000	10000	-43.64	-13	PASS
2	20.0	18900	1880.0	QPSK	1@0	10000	13000	-41.5	-13	PASS
2	20.0	18900	1880.0	QPSK	1@0	13000	16000	-37.49	-13	PASS
2	20.0	18900	1880.0	QPSK	1@0	16000	19000	-36.05	-13	PASS
2	20.0	18900	1880.0	QPSK	1@0	19000	20000	-36.23	-13	PASS
2	20.0	18900	1880.0	16QAM	1@0	30	1000	-30.67	-13	PASS
2	20.0	18900	1880.0	16QAM	1@0	1000	4000	-37.39	-13	PASS
2	20.0	18900	1880.0	16QAM	1@0	4000	7000	-41.36	-13	PASS
2	20.0	18900	1880.0	16QAM	1@0	7000	10000	-43.45	-13	PASS
2	20.0	18900	1880.0	16QAM	1@0	10000	13000	-40.45	-13	PASS
2	20.0	18900	1880.0	16QAM	1@0	13000	16000	-37.77	-13	PASS
2	20.0	18900	1880.0	16QAM	1@0	16000	19000	-35.77	-13	PASS
2	20.0	18900	1880.0	16QAM	1@0	19000	20000	-35.86	-13	PASS
2	20.0	19100	1900.0	QPSK	1@0	30	1000	-34.22	-13	PASS
2	20.0	19100	1900.0	QPSK	1@0	1000	4000	-37.36	-13	PASS
2	20.0	19100	1900.0	QPSK	1@0	4000	7000	-41.1	-13	PASS
2	20.0	19100	1900.0	QPSK	1@0	7000	10000	-43.53	-13	PASS
2	20.0	19100	1900.0	QPSK	1@0	10000	13000	-42.01	-13	PASS
2	20.0	19100	1900.0	QPSK	1@0	13000	16000	-37.77	-13	PASS
2	20.0	19100	1900.0	QPSK	1@0	16000	19000	-35.02	-13	PASS
2	20.0	19100	1900.0	QPSK	1@0	19000	20000	-35.57	-13	PASS
2	20.0	19100	1900.0	16QAM	1@0	30	1000	-32.2	-13	PASS
2	20.0	19100	1900.0	16QAM	1@0	1000	4000	-37.65	-13	PASS
2	20.0	19100	1900.0	16QAM	1@0	4000	7000	-40.41	-13	PASS
2	20.0	19100	1900.0	16QAM	1@0	7000	10000	-43.68	-13	PASS
2	20.0	19100	1900.0	16QAM	1@0	10000	13000	-41.24	-13	PASS
2	20.0	19100	1900.0	16QAM	1@0	13000	16000	-38.06	-13	PASS
2	20.0	19100	1900.0	16QAM	1@0	16000	19000	-35.91	-13	PASS
2	20.0	19100	1900.0	16QAM	1@0	19000	20000	-35.31	-13	PASS













