

n77(3700-3980)	30	50	663666	133@0	CP_QPSK	19.92	-2.6	17.32	53.95	1000	PASS
n77(3700-3980)	30	50	663666	67@33	CP_QPSK	19.66	-2.6	17.06	50.82	1000	PASS
n77(3700-3980)	30	50	663666	1@1	CP_QPSK	19.43	-2.6	16.83	48.19	1000	PASS
n77(3700-3980)	30	50	663666	1@131	CP_QPSK	19.63	-2.6	17.03	50.47	1000	PASS
n77(3700-3980)	30	50	663666	133@0	CP_QAM16	18.11	-2.6	15.51	35.56	1000	PASS
n77(3700-3980)	30	50	663666	67@33	CP_QAM16	19.15	-2.6	16.55	45.19	1000	PASS
n77(3700-3980)	30	50	663666	1@1	CP_QAM16	19.05	-2.6	16.45	44.16	1000	PASS
n77(3700-3980)	30	50	663666	1@131	CP_QAM16	19.04	-2.6	16.44	44.06	1000	PASS
n77(3700-3980)	30	50	663666	133@0	CP_QAM64	17.18	-2.6	14.58	28.71	1000	PASS
n77(3700-3980)	30	50	663666	67@33	CP_QAM64	17.64	-2.6	15.04	31.92	1000	PASS
n77(3700-3980)	30	50	663666	1@1	CP_QAM64	17.93	-2.6	15.33	34.12	1000	PASS
n77(3700-3980)	30	50	663666	1@131	CP_QAM64	17.51	-2.6	14.91	30.97	1000	PASS
n77(3700-3980)	30	50	663666	133@0	CP_QAM256	14.03	-2.6	11.43	13.9	1000	PASS
n77(3700-3980)	30	50	663666	67@33	CP_QAM256	14.63	-2.6	12.03	15.96	1000	PASS
n77(3700-3980)	30	50	663666	1@1	CP_QAM256	14.13	-2.6	11.53	14.22	1000	PASS
n77(3700-3980)	30	50	663666	1@131	CP_QAM256	14.55	-2.6	11.95	15.67	1000	PASS
n77(3700-3980)	30	60	648668	162@0	DFT_BPSK	20.84	-2.6	18.24	66.68	1000	PASS
n77(3700-3980)	30	60	648668	81@40	DFT_BPSK	21.28	-2.6	18.68	73.79	1000	PASS
n77(3700-3980)	30	60	648668	1@1	DFT_BPSK	20.78	-2.6	18.18	65.77	1000	PASS
n77(3700-3980)	30	60	648668	1@160	DFT_BPSK	20.99	-2.6	18.39	69.02	1000	PASS
n77(3700-3980)	30	60	648668	162@0	DFT_QPSK	20.36	-2.6	17.76	59.7	1000	PASS
n77(3700-3980)	30	60	648668	81@40	DFT_QPSK	21.22	-2.6	18.62	72.78	1000	PASS
n77(3700-3980)	30	60	648668	1@1	DFT_QPSK	20.67	-2.6	18.07	64.12	1000	PASS
n77(3700-3980)	30	60	648668	1@160	DFT_QPSK	20.91	-2.6	18.31	67.76	1000	PASS
n77(3700-3980)	30	60	648668	162@0	DFT_QAM16	19.34	-2.6	16.74	47.21	1000	PASS
n77(3700-3980)	30	60	648668	81@40	DFT_QAM16	20.42	-2.6	17.82	60.53	1000	PASS
n77(3700-3980)	30	60	648668	1@1	DFT_QAM16	20.09	-2.6	17.49	56.1	1000	PASS
n77(3700-3980)	30	60	648668	1@160	DFT_QAM16	20.3	-2.6	17.7	58.88	1000	PASS
n77(3700-3980)	30	60	648668	162@0	DFT_QAM64	18.66	-2.6	16.06	40.36	1000	PASS
n77(3700-3980)	30	60	648668	81@40	DFT_QAM64	18.86	-2.6	16.26	42.27	1000	PASS
n77(3700-3980)	30	60	648668	1@1	DFT_QAM64	18.97	-2.6	16.37	43.35	1000	PASS
n77(3700-3980)	30	60	648668	1@160	DFT_QAM64	18.75	-2.6	16.15	41.21	1000	PASS
n77(3700-3980)	30	60	648668	162@0	DFT_QAM256	16.5	-2.6	13.9	24.55	1000	PASS
n77(3700-3980)	30	60	648668	81@40	DFT_QAM256	16.87	-2.6	14.27	26.73	1000	PASS
n77(3700-3980)	30	60	648668	1@1	DFT_QAM256	16.44	-2.6	13.84	24.21	1000	PASS
n77(3700-3980)	30	60	648668	1@160	DFT_QAM256	16.28	-2.6	13.68	23.33	1000	PASS
n77(3700-3980)	30	60	648668	162@0	CP_QPSK	18.28	-2.6	15.68	36.98	1000	PASS
n77(3700-3980)	30	60	648668	81@40	CP_QPSK	19.87	-2.6	17.27	53.33	1000	PASS
n77(3700-3980)	30	60	648668	1@1	CP_QPSK	19.52	-2.6	16.92	49.2	1000	PASS
n77(3700-3980)	30	60	648668	1@160	CP_QPSK	19.73	-2.6	17.13	51.64	1000	PASS
n77(3700-3980)	30	60	648668	162@0	CP_QAM16	19.66	-2.6	17.06	50.82	1000	PASS

n77(3700-3980)	30	60	648668	81@40	CP_QAM16	19.33	-2.6	16.73	47.1	1000	PASS
n77(3700-3980)	30	60	648668	1@1	CP_QAM16	19.42	-2.6	16.82	48.08	1000	PASS
n77(3700-3980)	30	60	648668	1@160	CP_QAM16	19.16	-2.6	16.56	45.29	1000	PASS
n77(3700-3980)	30	60	648668	162@0	CP_QAM64	17.41	-2.6	14.81	30.27	1000	PASS
n77(3700-3980)	30	60	648668	81@40	CP_QAM64	17.8	-2.6	15.2	33.11	1000	PASS
n77(3700-3980)	30	60	648668	1@1	CP_QAM64	17.43	-2.6	14.83	30.41	1000	PASS
n77(3700-3980)	30	60	648668	1@160	CP_QAM64	17.54	-2.6	14.94	31.19	1000	PASS
n77(3700-3980)	30	60	648668	162@0	CP_QAM256	14.82	-2.6	12.22	16.67	1000	PASS
n77(3700-3980)	30	60	648668	81@40	CP_QAM256	14.99	-2.6	12.39	17.34	1000	PASS
n77(3700-3980)	30	60	648668	1@1	CP_QAM256	14.55	-2.6	11.95	15.67	1000	PASS
n77(3700-3980)	30	60	648668	1@160	CP_QAM256	14.73	-2.6	12.13	16.33	1000	PASS
n77(3700-3980)	30	60	656000	162@0	DFT_BPSK	20.61	-2.6	18.01	63.24	1000	PASS
n77(3700-3980)	30	60	656000	81@40	DFT_BPSK	21.18	-2.6	18.58	72.11	1000	PASS
n77(3700-3980)	30	60	656000	1@1	DFT_BPSK	20.71	-2.6	18.11	64.71	1000	PASS
n77(3700-3980)	30	60	656000	1@160	DFT_BPSK	20.88	-2.6	18.28	67.3	1000	PASS
n77(3700-3980)	30	60	656000	162@0	DFT_QPSK	20.25	-2.6	17.65	58.21	1000	PASS
n77(3700-3980)	30	60	656000	81@40	DFT_QPSK	21.17	-2.6	18.57	71.94	1000	PASS
n77(3700-3980)	30	60	656000	1@1	DFT_QPSK	20.57	-2.6	17.97	62.66	1000	PASS
n77(3700-3980)	30	60	656000	1@160	DFT_QPSK	20.77	-2.6	18.17	65.61	1000	PASS
n77(3700-3980)	30	60	656000	162@0	DFT_QAM16	19.21	-2.6	16.61	45.81	1000	PASS
n77(3700-3980)	30	60	656000	81@40	DFT_QAM16	20.33	-2.6	17.73	59.29	1000	PASS
n77(3700-3980)	30	60	656000	1@1	DFT_QAM16	19.98	-2.6	17.38	54.7	1000	PASS
n77(3700-3980)	30	60	656000	1@160	DFT_QAM16	20.19	-2.6	17.59	57.41	1000	PASS
n77(3700-3980)	30	60	656000	162@0	DFT_QAM64	18.88	-2.6	16.28	42.46	1000	PASS
n77(3700-3980)	30	60	656000	81@40	DFT_QAM64	18.8	-2.6	16.2	41.69	1000	PASS
n77(3700-3980)	30	60	656000	1@1	DFT_QAM64	18.08	-2.6	15.48	35.32	1000	PASS
n77(3700-3980)	30	60	656000	1@160	DFT_QAM64	18.62	-2.6	16.02	39.99	1000	PASS
n77(3700-3980)	30	60	656000	162@0	DFT_QAM256	16.27	-2.6	13.67	23.28	1000	PASS
n77(3700-3980)	30	60	656000	81@40	DFT_QAM256	16.82	-2.6	14.22	26.42	1000	PASS
n77(3700-3980)	30	60	656000	1@1	DFT_QAM256	16.04	-2.6	13.44	22.08	1000	PASS
n77(3700-3980)	30	60	656000	1@160	DFT_QAM256	16.55	-2.6	13.95	24.83	1000	PASS
n77(3700-3980)	30	60	656000	162@0	CP_QPSK	19.31	-2.6	16.71	46.88	1000	PASS
n77(3700-3980)	30	60	656000	81@40	CP_QPSK	19.8	-2.6	17.2	52.48	1000	PASS
n77(3700-3980)	30	60	656000	1@1	CP_QPSK	19.46	-2.6	16.86	48.53	1000	PASS
n77(3700-3980)	30	60	656000	1@160	CP_QPSK	19.62	-2.6	17.02	50.35	1000	PASS
n77(3700-3980)	30	60	656000	162@0	CP_QAM16	18.17	-2.6	15.57	36.06	1000	PASS
n77(3700-3980)	30	60	656000	81@40	CP_QAM16	19.29	-2.6	16.69	46.67	1000	PASS
n77(3700-3980)	30	60	656000	1@1	CP_QAM16	19.57	-2.6	16.97	49.77	1000	PASS
n77(3700-3980)	30	60	656000	1@160	CP_QAM16	19.12	-2.6	16.52	44.87	1000	PASS
n77(3700-3980)	30	60	656000	162@0	CP_QAM64	17.33	-2.6	14.73	29.72	1000	PASS
n77(3700-3980)	30	60	656000	81@40	CP_QAM64	17.78	-2.6	15.18	32.96	1000	PASS

n77(3700-3980)	30	60	656000	1@1	CP_QAM64	17.95	-2.6	15.35	34.28	1000	PASS
n77(3700-3980)	30	60	656000	1@160	CP_QAM64	17.61	-2.6	15.01	31.7	1000	PASS
n77(3700-3980)	30	60	656000	162@0	CP_QAM256	14.67	-2.6	12.07	16.11	1000	PASS
n77(3700-3980)	30	60	656000	81@40	CP_QAM256	14.97	-2.6	12.37	17.26	1000	PASS
n77(3700-3980)	30	60	656000	1@1	CP_QAM256	14.4	-2.6	11.8	15.14	1000	PASS
n77(3700-3980)	30	60	656000	1@160	CP_QAM256	14.09	-2.6	11.49	14.09	1000	PASS
n77(3700-3980)	30	60	663332	162@0	DFT_BPSK	20.49	-2.6	17.89	61.52	1000	PASS
n77(3700-3980)	30	60	663332	81@40	DFT_BPSK	21.11	-2.6	18.51	70.96	1000	PASS
n77(3700-3980)	30	60	663332	1@1	DFT_BPSK	20.55	-2.6	17.95	62.37	1000	PASS
n77(3700-3980)	30	60	663332	1@160	DFT_BPSK	20.79	-2.6	18.19	65.92	1000	PASS
n77(3700-3980)	30	60	663332	162@0	DFT_QPSK	20.17	-2.6	17.57	57.15	1000	PASS
n77(3700-3980)	30	60	663332	81@40	DFT_QPSK	21.14	-2.6	18.54	71.45	1000	PASS
n77(3700-3980)	30	60	663332	1@1	DFT_QPSK	20.48	-2.6	17.88	61.38	1000	PASS
n77(3700-3980)	30	60	663332	1@160	DFT_QPSK	20.69	-2.6	18.09	64.42	1000	PASS
n77(3700-3980)	30	60	663332	162@0	DFT_QAM16	19.13	-2.6	16.53	44.98	1000	PASS
n77(3700-3980)	30	60	663332	81@40	DFT_QAM16	20.28	-2.6	17.68	58.61	1000	PASS
n77(3700-3980)	30	60	663332	1@1	DFT_QAM16	19.81	-2.6	17.21	52.6	1000	PASS
n77(3700-3980)	30	60	663332	1@160	DFT_QAM16	19.8	-2.6	17.2	52.48	1000	PASS
n77(3700-3980)	30	60	663332	162@0	DFT_QAM64	18.74	-2.6	16.14	41.11	1000	PASS
n77(3700-3980)	30	60	663332	81@40	DFT_QAM64	18.75	-2.6	16.15	41.21	1000	PASS
n77(3700-3980)	30	60	663332	1@1	DFT_QAM64	18.29	-2.6	15.69	37.07	1000	PASS
n77(3700-3980)	30	60	663332	1@160	DFT_QAM64	18.2	-2.6	15.6	36.31	1000	PASS
n77(3700-3980)	30	60	663332	162@0	DFT_QAM256	16.44	-2.6	13.84	24.21	1000	PASS
n77(3700-3980)	30	60	663332	81@40	DFT_QAM256	16.88	-2.6	14.28	26.79	1000	PASS
n77(3700-3980)	30	60	663332	1@1	DFT_QAM256	16.19	-2.6	13.59	22.86	1000	PASS
n77(3700-3980)	30	60	663332	1@160	DFT_QAM256	16.46	-2.6	13.86	24.32	1000	PASS
n77(3700-3980)	30	60	663332	162@0	CP_QPSK	19.5	-2.6	16.9	48.98	1000	PASS
n77(3700-3980)	30	60	663332	81@40	CP_QPSK	19.68	-2.6	17.08	51.05	1000	PASS
n77(3700-3980)	30	60	663332	1@1	CP_QPSK	19.36	-2.6	16.76	47.42	1000	PASS
n77(3700-3980)	30	60	663332	1@160	CP_QPSK	19.59	-2.6	16.99	50	1000	PASS
n77(3700-3980)	30	60	663332	162@0	CP_QAM16	19.06	-2.6	16.46	44.26	1000	PASS
n77(3700-3980)	30	60	663332	81@40	CP_QAM16	19.22	-2.6	16.62	45.92	1000	PASS
n77(3700-3980)	30	60	663332	1@1	CP_QAM16	18.72	-2.6	16.12	40.93	1000	PASS
n77(3700-3980)	30	60	663332	1@160	CP_QAM16	18.28	-2.6	15.68	36.98	1000	PASS
n77(3700-3980)	30	60	663332	162@0	CP_QAM64	17.57	-2.6	14.97	31.41	1000	PASS
n77(3700-3980)	30	60	663332	81@40	CP_QAM64	17.17	-2.6	14.57	28.64	1000	PASS
n77(3700-3980)	30	60	663332	1@1	CP_QAM64	17.15	-2.6	14.55	28.51	1000	PASS
n77(3700-3980)	30	60	663332	1@160	CP_QAM64	16.99	-2.6	14.39	27.48	1000	PASS
n77(3700-3980)	30	60	663332	162@0	CP_QAM256	14.56	-2.6	11.96	15.7	1000	PASS
n77(3700-3980)	30	60	663332	81@40	CP_QAM256	14.65	-2.6	12.05	16.03	1000	PASS
n77(3700-3980)	30	60	663332	1@1	CP_QAM256	14.06	-2.6	11.46	14	1000	PASS

n77(3700-3980)	30	60	663332	1@160	CP_QAM256	14.45	-2.6	11.85	15.31	1000	PASS
n77(3700-3980)	30	70	649000	180@0	DFT_BPSK	21.26	-2.6	18.66	73.45	1000	PASS
n77(3700-3980)	30	70	649000	90@45	DFT_BPSK	21.87	-2.6	19.27	84.53	1000	PASS
n77(3700-3980)	30	70	649000	1@1	DFT_BPSK	21.27	-2.6	18.67	73.62	1000	PASS
n77(3700-3980)	30	70	649000	1@187	DFT_BPSK	21.6	-2.6	19	79.43	1000	PASS
n77(3700-3980)	30	70	649000	180@0	DFT_QPSK	20.77	-2.6	18.17	65.61	1000	PASS
n77(3700-3980)	30	70	649000	90@45	DFT_QPSK	21.88	-2.6	19.28	84.72	1000	PASS
n77(3700-3980)	30	70	649000	1@1	DFT_QPSK	21.25	-2.6	18.65	73.28	1000	PASS
n77(3700-3980)	30	70	649000	1@187	DFT_QPSK	21.54	-2.6	18.94	78.34	1000	PASS
n77(3700-3980)	30	70	649000	180@0	DFT_QAM16	19.93	-2.6	17.33	54.08	1000	PASS
n77(3700-3980)	30	70	649000	90@45	DFT_QAM16	20.84	-2.6	18.24	66.68	1000	PASS
n77(3700-3980)	30	70	649000	1@1	DFT_QAM16	20.7	-2.6	18.1	64.57	1000	PASS
n77(3700-3980)	30	70	649000	1@187	DFT_QAM16	20.69	-2.6	18.09	64.42	1000	PASS
n77(3700-3980)	30	70	649000	180@0	DFT_QAM64	19.47	-2.6	16.87	48.64	1000	PASS
n77(3700-3980)	30	70	649000	90@45	DFT_QAM64	19.52	-2.6	16.92	49.2	1000	PASS
n77(3700-3980)	30	70	649000	1@1	DFT_QAM64	19.3	-2.6	16.7	46.77	1000	PASS
n77(3700-3980)	30	70	649000	1@187	DFT_QAM64	19.03	-2.6	16.43	43.95	1000	PASS
n77(3700-3980)	30	70	649000	180@0	DFT_QAM256	17.65	-2.6	15.05	31.99	1000	PASS
n77(3700-3980)	30	70	649000	90@45	DFT_QAM256	17.49	-2.6	14.89	30.83	1000	PASS
n77(3700-3980)	30	70	649000	1@1	DFT_QAM256	17.09	-2.6	14.49	28.12	1000	PASS
n77(3700-3980)	30	70	649000	1@187	DFT_QAM256	17.39	-2.6	14.79	30.13	1000	PASS
n77(3700-3980)	30	70	649000	189@0	CP_QPSK	18.94	-2.6	16.34	43.05	1000	PASS
n77(3700-3980)	30	70	649000	95@47	CP_QPSK	20.56	-2.6	17.96	62.52	1000	PASS
n77(3700-3980)	30	70	649000	1@1	CP_QPSK	20	-2.6	17.4	54.95	1000	PASS
n77(3700-3980)	30	70	649000	1@187	CP_QPSK	20.28	-2.6	17.68	58.61	1000	PASS
n77(3700-3980)	30	70	649000	189@0	CP_QAM16	19.13	-2.6	16.53	44.98	1000	PASS
n77(3700-3980)	30	70	649000	95@47	CP_QAM16	19.98	-2.6	17.38	54.7	1000	PASS
n77(3700-3980)	30	70	649000	1@1	CP_QAM16	19.48	-2.6	16.88	48.75	1000	PASS
n77(3700-3980)	30	70	649000	1@187	CP_QAM16	19.8	-2.6	17.2	52.48	1000	PASS
n77(3700-3980)	30	70	649000	189@0	CP_QAM64	18.44	-2.6	15.84	38.37	1000	PASS
n77(3700-3980)	30	70	649000	95@47	CP_QAM64	18.5	-2.6	15.9	38.9	1000	PASS
n77(3700-3980)	30	70	649000	1@1	CP_QAM64	18.36	-2.6	15.76	37.67	1000	PASS
n77(3700-3980)	30	70	649000	1@187	CP_QAM64	18.35	-2.6	15.75	37.58	1000	PASS
n77(3700-3980)	30	70	649000	189@0	CP_QAM256	15.36	-2.6	12.76	18.88	1000	PASS
n77(3700-3980)	30	70	649000	95@47	CP_QAM256	15.42	-2.6	12.82	19.14	1000	PASS
n77(3700-3980)	30	70	649000	1@1	CP_QAM256	15.25	-2.6	12.65	18.41	1000	PASS
n77(3700-3980)	30	70	649000	1@187	CP_QAM256	15.24	-2.6	12.64	18.37	1000	PASS
n77(3700-3980)	30	70	656000	180@0	DFT_BPSK	20.95	-2.6	18.35	68.39	1000	PASS
n77(3700-3980)	30	70	656000	90@45	DFT_BPSK	21.57	-2.6	18.97	78.89	1000	PASS
n77(3700-3980)	30	70	656000	1@1	DFT_BPSK	20.86	-2.6	18.26	66.99	1000	PASS
n77(3700-3980)	30	70	656000	1@187	DFT_BPSK	21.21	-2.6	18.61	72.61	1000	PASS



n77(3700-3980)	30	70	656000	180@0	DFT_QPSK	20.46	-2.6	17.86	61.09	1000	PASS
n77(3700-3980)	30	70	656000	90@45	DFT_QPSK	21.6	-2.6	19	79.43	1000	PASS
n77(3700-3980)	30	70	656000	1@1	DFT_QPSK	20.85	-2.6	18.25	66.83	1000	PASS
n77(3700-3980)	30	70	656000	1@187	DFT_QPSK	21.17	-2.6	18.57	71.94	1000	PASS
n77(3700-3980)	30	70	656000	180@0	DFT_QAM16	19.62	-2.6	17.02	50.35	1000	PASS
n77(3700-3980)	30	70	656000	90@45	DFT_QAM16	20.54	-2.6	17.94	62.23	1000	PASS
n77(3700-3980)	30	70	656000	1@1	DFT_QAM16	19.75	-2.6	17.15	51.88	1000	PASS
n77(3700-3980)	30	70	656000	1@187	DFT_QAM16	20.1	-2.6	17.5	56.23	1000	PASS
n77(3700-3980)	30	70	656000	180@0	DFT_QAM64	19.14	-2.6	16.54	45.08	1000	PASS
n77(3700-3980)	30	70	656000	90@45	DFT_QAM64	19.21	-2.6	16.61	45.81	1000	PASS
n77(3700-3980)	30	70	656000	1@1	DFT_QAM64	18.61	-2.6	16.01	39.9	1000	PASS
n77(3700-3980)	30	70	656000	1@187	DFT_QAM64	18.31	-2.6	15.71	37.24	1000	PASS
n77(3700-3980)	30	70	656000	180@0	DFT_QAM256	17.07	-2.6	14.47	27.99	1000	PASS
n77(3700-3980)	30	70	656000	90@45	DFT_QAM256	17.21	-2.6	14.61	28.91	1000	PASS
n77(3700-3980)	30	70	656000	1@1	DFT_QAM256	17.12	-2.6	14.52	28.31	1000	PASS
n77(3700-3980)	30	70	656000	1@187	DFT_QAM256	17.01	-2.6	14.41	27.61	1000	PASS
n77(3700-3980)	30	70	656000	189@0	CP_QPSK	18.6	-2.6	16	39.81	1000	PASS
n77(3700-3980)	30	70	656000	95@47	CP_QPSK	20.23	-2.6	17.63	57.94	1000	PASS
n77(3700-3980)	30	70	656000	1@1	CP_QPSK	19.59	-2.6	16.99	50	1000	PASS
n77(3700-3980)	30	70	656000	1@187	CP_QPSK	19.65	-2.6	17.05	50.7	1000	PASS
n77(3700-3980)	30	70	656000	189@0	CP_QAM16	18.64	-2.6	16.04	40.18	1000	PASS
n77(3700-3980)	30	70	656000	95@47	CP_QAM16	19.7	-2.6	17.1	51.29	1000	PASS
n77(3700-3980)	30	70	656000	1@1	CP_QAM16	19.1	-2.6	16.5	44.67	1000	PASS
n77(3700-3980)	30	70	656000	1@187	CP_QAM16	19.35	-2.6	16.75	47.32	1000	PASS
n77(3700-3980)	30	70	656000	189@0	CP_QAM64	18.09	-2.6	15.49	35.4	1000	PASS
n77(3700-3980)	30	70	656000	95@47	CP_QAM64	18.23	-2.6	15.63	36.56	1000	PASS
n77(3700-3980)	30	70	656000	1@1	CP_QAM64	17.71	-2.6	15.11	32.43	1000	PASS
n77(3700-3980)	30	70	656000	1@187	CP_QAM64	17.97	-2.6	15.37	34.43	1000	PASS
n77(3700-3980)	30	70	656000	189@0	CP_QAM256	15.05	-2.6	12.45	17.58	1000	PASS
n77(3700-3980)	30	70	656000	95@47	CP_QAM256	15.14	-2.6	12.54	17.95	1000	PASS
n77(3700-3980)	30	70	656000	1@1	CP_QAM256	14.54	-2.6	11.94	15.63	1000	PASS
n77(3700-3980)	30	70	656000	1@187	CP_QAM256	14.91	-2.6	12.31	17.02	1000	PASS
n77(3700-3980)	30	70	663000	180@0	DFT_BPSK	21.07	-2.6	18.47	70.31	1000	PASS
n77(3700-3980)	30	70	663000	90@45	DFT_BPSK	21.69	-2.6	19.09	81.1	1000	PASS
n77(3700-3980)	30	70	663000	1@1	DFT_BPSK	21.02	-2.6	18.42	69.5	1000	PASS
n77(3700-3980)	30	70	663000	1@187	DFT_BPSK	21.25	-2.6	18.65	73.28	1000	PASS
n77(3700-3980)	30	70	663000	180@0	DFT_QPSK	20.58	-2.6	17.98	62.81	1000	PASS
n77(3700-3980)	30	70	663000	90@45	DFT_QPSK	21.67	-2.6	19.07	80.72	1000	PASS
n77(3700-3980)	30	70	663000	1@1	DFT_QPSK	20.99	-2.6	18.39	69.02	1000	PASS
n77(3700-3980)	30	70	663000	1@187	DFT_QPSK	21.18	-2.6	18.58	72.11	1000	PASS
n77(3700-3980)	30	70	663000	180@0	DFT_QAM16	19.73	-2.6	17.13	51.64	1000	PASS

n77(3700-3980)	30	70	663000	90@45	DFT_QAM16	20.66	-2.6	18.06	63.97	1000	PASS
n77(3700-3980)	30	70	663000	1@1	DFT_QAM16	20.14	-2.6	17.54	56.75	1000	PASS
n77(3700-3980)	30	70	663000	1@187	DFT_QAM16	20.35	-2.6	17.75	59.57	1000	PASS
n77(3700-3980)	30	70	663000	180@0	DFT_QAM64	19.28	-2.6	16.68	46.56	1000	PASS
n77(3700-3980)	30	70	663000	90@45	DFT_QAM64	19.33	-2.6	16.73	47.1	1000	PASS
n77(3700-3980)	30	70	663000	1@1	DFT_QAM64	18.66	-2.6	16.06	40.36	1000	PASS
n77(3700-3980)	30	70	663000	1@187	DFT_QAM64	18.73	-2.6	16.13	41.02	1000	PASS
n77(3700-3980)	30	70	663000	180@0	DFT_QAM256	17.23	-2.6	14.63	29.04	1000	PASS
n77(3700-3980)	30	70	663000	90@45	DFT_QAM256	17.3	-2.6	14.7	29.51	1000	PASS
n77(3700-3980)	30	70	663000	1@1	DFT_QAM256	16.83	-2.6	14.23	26.49	1000	PASS
n77(3700-3980)	30	70	663000	1@187	DFT_QAM256	17.05	-2.6	14.45	27.86	1000	PASS
n77(3700-3980)	30	70	663000	189@0	CP_QPSK	19.99	-2.6	17.39	54.83	1000	PASS
n77(3700-3980)	30	70	663000	95@47	CP_QPSK	20.2	-2.6	17.6	57.54	1000	PASS
n77(3700-3980)	30	70	663000	1@1	CP_QPSK	19.49	-2.6	16.89	48.87	1000	PASS
n77(3700-3980)	30	70	663000	1@187	CP_QPSK	19.68	-2.6	17.08	51.05	1000	PASS
n77(3700-3980)	30	70	663000	189@0	CP_QAM16	18.73	-2.6	16.13	41.02	1000	PASS
n77(3700-3980)	30	70	663000	95@47	CP_QAM16	19.8	-2.6	17.2	52.48	1000	PASS
n77(3700-3980)	30	70	663000	1@1	CP_QAM16	19.2	-2.6	16.6	45.71	1000	PASS
n77(3700-3980)	30	70	663000	1@187	CP_QAM16	19.48	-2.6	16.88	48.75	1000	PASS
n77(3700-3980)	30	70	663000	189@0	CP_QAM64	18.32	-2.6	15.72	37.33	1000	PASS
n77(3700-3980)	30	70	663000	95@47	CP_QAM64	18.35	-2.6	15.75	37.58	1000	PASS
n77(3700-3980)	30	70	663000	1@1	CP_QAM64	17.57	-2.6	14.97	31.41	1000	PASS
n77(3700-3980)	30	70	663000	1@187	CP_QAM64	17.81	-2.6	15.21	33.19	1000	PASS
n77(3700-3980)	30	70	663000	189@0	CP_QAM256	15.2	-2.6	12.6	18.2	1000	PASS
n77(3700-3980)	30	70	663000	95@47	CP_QAM256	15.24	-2.6	12.64	18.37	1000	PASS
n77(3700-3980)	30	70	663000	1@1	CP_QAM256	14.75	-2.6	12.15	16.41	1000	PASS
n77(3700-3980)	30	70	663000	1@187	CP_QAM256	14.88	-2.6	12.28	16.9	1000	PASS
n77(3700-3980)	30	80	649334	216@0	DFT_BPSK	21.03	-2.6	18.43	69.66	1000	PASS
n77(3700-3980)	30	80	649334	108@54	DFT_BPSK	21.43	-2.6	18.83	76.38	1000	PASS
n77(3700-3980)	30	80	649334	1@1	DFT_BPSK	20.66	-2.6	18.06	63.97	1000	PASS
n77(3700-3980)	30	80	649334	1@215	DFT_BPSK	21.01	-2.6	18.41	69.34	1000	PASS
n77(3700-3980)	30	80	649334	216@0	DFT_QPSK	20.51	-2.6	17.91	61.8	1000	PASS
n77(3700-3980)	30	80	649334	108@54	DFT_QPSK	21.38	-2.6	18.78	75.51	1000	PASS
n77(3700-3980)	30	80	649334	1@1	DFT_QPSK	20.65	-2.6	18.05	63.83	1000	PASS
n77(3700-3980)	30	80	649334	1@215	DFT_QPSK	21.01	-2.6	18.41	69.34	1000	PASS
n77(3700-3980)	30	80	649334	216@0	DFT_QAM16	19.49	-2.6	16.89	48.87	1000	PASS
n77(3700-3980)	30	80	649334	108@54	DFT_QAM16	20.59	-2.6	17.99	62.95	1000	PASS
n77(3700-3980)	30	80	649334	1@1	DFT_QAM16	19.77	-2.6	17.17	52.12	1000	PASS
n77(3700-3980)	30	80	649334	1@215	DFT_QAM16	20.12	-2.6	17.52	56.49	1000	PASS
n77(3700-3980)	30	80	649334	216@0	DFT_QAM64	19	-2.6	16.4	43.65	1000	PASS
n77(3700-3980)	30	80	649334	108@54	DFT_QAM64	19.06	-2.6	16.46	44.26	1000	PASS

n77(3700-3980)	30	80	649334	1@1	DFT_QAM64	18.41	-2.6	15.81	38.11	1000	PASS
n77(3700-3980)	30	80	649334	1@215	DFT_QAM64	18.56	-2.6	15.96	39.45	1000	PASS
n77(3700-3980)	30	80	649334	216@0	DFT_QAM256	18.97	-2.6	16.37	43.35	1000	PASS
n77(3700-3980)	30	80	649334	108@54	DFT_QAM256	16.98	-2.6	14.38	27.42	1000	PASS
n77(3700-3980)	30	80	649334	1@1	DFT_QAM256	16.16	-2.6	13.56	22.7	1000	PASS
n77(3700-3980)	30	80	649334	1@215	DFT_QAM256	16.68	-2.6	14.08	25.59	1000	PASS
n77(3700-3980)	30	80	649334	217@0	CP_QPSK	18.5	-2.6	15.9	38.9	1000	PASS
n77(3700-3980)	30	80	649334	109@54	CP_QPSK	20.06	-2.6	17.46	55.72	1000	PASS
n77(3700-3980)	30	80	649334	1@1	CP_QPSK	19.68	-2.6	17.08	51.05	1000	PASS
n77(3700-3980)	30	80	649334	1@215	CP_QPSK	19.98	-2.6	17.38	54.7	1000	PASS
n77(3700-3980)	30	80	649334	217@0	CP_QAM16	19.42	-2.6	16.82	48.08	1000	PASS
n77(3700-3980)	30	80	649334	109@54	CP_QAM16	19.55	-2.6	16.95	49.55	1000	PASS
n77(3700-3980)	30	80	649334	1@1	CP_QAM16	19.13	-2.6	16.53	44.98	1000	PASS
n77(3700-3980)	30	80	649334	1@215	CP_QAM16	19.26	-2.6	16.66	46.34	1000	PASS
n77(3700-3980)	30	80	649334	217@0	CP_QAM64	17.99	-2.6	15.39	34.59	1000	PASS
n77(3700-3980)	30	80	649334	109@54	CP_QAM64	17.4	-2.6	14.8	30.2	1000	PASS
n77(3700-3980)	30	80	649334	1@1	CP_QAM64	17.29	-2.6	14.69	29.44	1000	PASS
n77(3700-3980)	30	80	649334	1@215	CP_QAM64	17.6	-2.6	15	31.62	1000	PASS
n77(3700-3980)	30	80	649334	217@0	CP_QAM256	15.24	-2.6	12.64	18.37	1000	PASS
n77(3700-3980)	30	80	649334	109@54	CP_QAM256	15.11	-2.6	12.51	17.82	1000	PASS
n77(3700-3980)	30	80	649334	1@1	CP_QAM256	15.41	-2.6	12.81	19.1	1000	PASS
n77(3700-3980)	30	80	649334	1@215	CP_QAM256	14.9	-2.6	12.3	16.98	1000	PASS
n77(3700-3980)	30	80	656000	216@0	DFT_BPSK	20.5	-2.6	17.9	61.66	1000	PASS
n77(3700-3980)	30	80	656000	108@54	DFT_BPSK	21.18	-2.6	18.58	72.11	1000	PASS
n77(3700-3980)	30	80	656000	1@1	DFT_BPSK	20.37	-2.6	17.77	59.84	1000	PASS
n77(3700-3980)	30	80	656000	1@215	DFT_BPSK	20.69	-2.6	18.09	64.42	1000	PASS
n77(3700-3980)	30	80	656000	216@0	DFT_QPSK	20.3	-2.6	17.7	58.88	1000	PASS
n77(3700-3980)	30	80	656000	108@54	DFT_QPSK	21.18	-2.6	18.58	72.11	1000	PASS
n77(3700-3980)	30	80	656000	1@1	DFT_QPSK	20.36	-2.6	17.76	59.7	1000	PASS
n77(3700-3980)	30	80	656000	1@215	DFT_QPSK	20.69	-2.6	18.09	64.42	1000	PASS
n77(3700-3980)	30	80	656000	216@0	DFT_QAM16	19.21	-2.6	16.61	45.81	1000	PASS
n77(3700-3980)	30	80	656000	108@54	DFT_QAM16	20.36	-2.6	17.76	59.7	1000	PASS
n77(3700-3980)	30	80	656000	1@1	DFT_QAM16	19.46	-2.6	16.86	48.53	1000	PASS
n77(3700-3980)	30	80	656000	1@215	DFT_QAM16	19.83	-2.6	17.23	52.84	1000	PASS
n77(3700-3980)	30	80	656000	216@0	DFT_QAM64	17.99	-2.6	15.39	34.59	1000	PASS
n77(3700-3980)	30	80	656000	108@54	DFT_QAM64	18.86	-2.6	16.26	42.27	1000	PASS
n77(3700-3980)	30	80	656000	1@1	DFT_QAM64	18.39	-2.6	15.79	37.93	1000	PASS
n77(3700-3980)	30	80	656000	1@215	DFT_QAM64	18.3	-2.6	15.7	37.15	1000	PASS
n77(3700-3980)	30	80	656000	216@0	DFT_QAM256	16.91	-2.6	14.31	26.98	1000	PASS
n77(3700-3980)	30	80	656000	108@54	DFT_QAM256	16.8	-2.6	14.2	26.3	1000	PASS
n77(3700-3980)	30	80	656000	1@1	DFT_QAM256	16.89	-2.6	14.29	26.85	1000	PASS

n77(3700-3980)	30	80	656000	1@215	DFT_QAM256	16.42	-2.6	13.82	24.1	1000	PASS
n77(3700-3980)	30	80	656000	217@0	CP_QPSK	18.2	-2.6	15.6	36.31	1000	PASS
n77(3700-3980)	30	80	656000	109@54	CP_QPSK	19.86	-2.6	17.26	53.21	1000	PASS
n77(3700-3980)	30	80	656000	1@1	CP_QPSK	19.34	-2.6	16.74	47.21	1000	PASS
n77(3700-3980)	30	80	656000	1@215	CP_QPSK	19.72	-2.6	17.12	51.52	1000	PASS
n77(3700-3980)	30	80	656000	217@0	CP_QAM16	19.16	-2.6	16.56	45.29	1000	PASS
n77(3700-3980)	30	80	656000	109@54	CP_QAM16	19.31	-2.6	16.71	46.88	1000	PASS
n77(3700-3980)	30	80	656000	1@1	CP_QAM16	19.84	-2.6	17.24	52.97	1000	PASS
n77(3700-3980)	30	80	656000	1@215	CP_QAM16	19.02	-2.6	16.42	43.85	1000	PASS
n77(3700-3980)	30	80	656000	217@0	CP_QAM64	17.69	-2.6	15.09	32.28	1000	PASS
n77(3700-3980)	30	80	656000	109@54	CP_QAM64	17.4	-2.6	14.8	30.2	1000	PASS
n77(3700-3980)	30	80	656000	1@1	CP_QAM64	17.11	-2.6	14.51	28.25	1000	PASS
n77(3700-3980)	30	80	656000	1@215	CP_QAM64	17.84	-2.6	15.24	33.42	1000	PASS
n77(3700-3980)	30	80	656000	217@0	CP_QAM256	14.6	-2.6	12	15.85	1000	PASS
n77(3700-3980)	30	80	656000	109@54	CP_QAM256	14.56	-2.6	11.96	15.7	1000	PASS
n77(3700-3980)	30	80	656000	1@1	CP_QAM256	14.13	-2.6	11.53	14.22	1000	PASS
n77(3700-3980)	30	80	656000	1@215	CP_QAM256	14.44	-2.6	11.84	15.28	1000	PASS
n77(3700-3980)	30	80	662666	216@0	DFT_BPSK	20.47	-2.6	17.87	61.24	1000	PASS
n77(3700-3980)	30	80	662666	108@54	DFT_BPSK	21.1	-2.6	18.5	70.79	1000	PASS
n77(3700-3980)	30	80	662666	1@1	DFT_BPSK	20.33	-2.6	17.73	59.29	1000	PASS
n77(3700-3980)	30	80	662666	1@215	DFT_BPSK	20.67	-2.6	18.07	64.12	1000	PASS
n77(3700-3980)	30	80	662666	216@0	DFT_QPSK	20.19	-2.6	17.59	57.41	1000	PASS
n77(3700-3980)	30	80	662666	108@54	DFT_QPSK	21.07	-2.6	18.47	70.31	1000	PASS
n77(3700-3980)	30	80	662666	1@1	DFT_QPSK	20.25	-2.6	17.65	58.21	1000	PASS
n77(3700-3980)	30	80	662666	1@215	DFT_QPSK	20.58	-2.6	17.98	62.81	1000	PASS
n77(3700-3980)	30	80	662666	216@0	DFT_QAM16	19.18	-2.6	16.58	45.5	1000	PASS
n77(3700-3980)	30	80	662666	108@54	DFT_QAM16	20.25	-2.6	17.65	58.21	1000	PASS
n77(3700-3980)	30	80	662666	1@1	DFT_QAM16	19.8	-2.6	17.2	52.48	1000	PASS
n77(3700-3980)	30	80	662666	1@215	DFT_QAM16	19.68	-2.6	17.08	51.05	1000	PASS
n77(3700-3980)	30	80	662666	216@0	DFT_QAM64	18.65	-2.6	16.05	40.27	1000	PASS
n77(3700-3980)	30	80	662666	108@54	DFT_QAM64	18.75	-2.6	16.15	41.21	1000	PASS
n77(3700-3980)	30	80	662666	1@1	DFT_QAM64	18.02	-2.6	15.42	34.83	1000	PASS
n77(3700-3980)	30	80	662666	1@215	DFT_QAM64	18.52	-2.6	15.92	39.08	1000	PASS
n77(3700-3980)	30	80	662666	216@0	DFT_QAM256	16.55	-2.6	13.95	24.83	1000	PASS
n77(3700-3980)	30	80	662666	108@54	DFT_QAM256	16.72	-2.6	14.12	25.82	1000	PASS
n77(3700-3980)	30	80	662666	1@1	DFT_QAM256	16.97	-2.6	14.37	27.35	1000	PASS
n77(3700-3980)	30	80	662666	1@215	DFT_QAM256	16.39	-2.6	13.79	23.93	1000	PASS
n77(3700-3980)	30	80	662666	217@0	CP_QPSK	18.13	-2.6	15.53	35.73	1000	PASS
n77(3700-3980)	30	80	662666	109@54	CP_QPSK	19.75	-2.6	17.15	51.88	1000	PASS
n77(3700-3980)	30	80	662666	1@1	CP_QPSK	19.22	-2.6	16.62	45.92	1000	PASS
n77(3700-3980)	30	80	662666	1@215	CP_QPSK	19.56	-2.6	16.96	49.66	1000	PASS

n77(3700-3980)	30	80	662666	217@0	CP_QAM16	19.08	-2.6	16.48	44.46	1000	PASS
n77(3700-3980)	30	80	662666	109@54	CP_QAM16	19.23	-2.6	16.63	46.03	1000	PASS
n77(3700-3980)	30	80	662666	1@1	CP_QAM16	19.8	-2.6	17.2	52.48	1000	PASS
n77(3700-3980)	30	80	662666	1@215	CP_QAM16	18.99	-2.6	16.39	43.55	1000	PASS
n77(3700-3980)	30	80	662666	217@0	CP_QAM64	17.62	-2.6	15.02	31.77	1000	PASS
n77(3700-3980)	30	80	662666	109@54	CP_QAM64	17.53	-2.6	14.93	31.12	1000	PASS
n77(3700-3980)	30	80	662666	1@1	CP_QAM64	17.07	-2.6	14.47	27.99	1000	PASS
n77(3700-3980)	30	80	662666	1@215	CP_QAM64	17.86	-2.6	15.26	33.57	1000	PASS
n77(3700-3980)	30	80	662666	217@0	CP_QAM256	14.56	-2.6	11.96	15.7	1000	PASS
n77(3700-3980)	30	80	662666	109@54	CP_QAM256	14.53	-2.6	11.93	15.6	1000	PASS
n77(3700-3980)	30	80	662666	1@1	CP_QAM256	14.07	-2.6	11.47	14.03	1000	PASS
n77(3700-3980)	30	80	662666	1@215	CP_QAM256	14.38	-2.6	11.78	15.07	1000	PASS
n77(3700-3980)	30	90	649668	240@0	DFT_BPSK	21.05	-2.6	18.45	69.98	1000	PASS
n77(3700-3980)	30	90	649668	120@60	DFT_BPSK	21.37	-2.6	18.77	75.34	1000	PASS
n77(3700-3980)	30	90	649668	1@1	DFT_BPSK	20.52	-2.6	17.92	61.94	1000	PASS
n77(3700-3980)	30	90	649668	1@243	DFT_BPSK	20.95	-2.6	18.35	68.39	1000	PASS
n77(3700-3980)	30	90	649668	240@0	DFT_QPSK	20.56	-2.6	17.96	62.52	1000	PASS
n77(3700-3980)	30	90	649668	120@60	DFT_QPSK	21.35	-2.6	18.75	74.99	1000	PASS
n77(3700-3980)	30	90	649668	1@1	DFT_QPSK	20.44	-2.6	17.84	60.81	1000	PASS
n77(3700-3980)	30	90	649668	1@243	DFT_QPSK	20.86	-2.6	18.26	66.99	1000	PASS
n77(3700-3980)	30	90	649668	240@0	DFT_QAM16	19.51	-2.6	16.91	49.09	1000	PASS
n77(3700-3980)	30	90	649668	120@60	DFT_QAM16	20.56	-2.6	17.96	62.52	1000	PASS
n77(3700-3980)	30	90	649668	1@1	DFT_QAM16	19.96	-2.6	17.36	54.45	1000	PASS
n77(3700-3980)	30	90	649668	1@243	DFT_QAM16	20.37	-2.6	17.77	59.84	1000	PASS
n77(3700-3980)	30	90	649668	240@0	DFT_QAM64	19.01	-2.6	16.41	43.75	1000	PASS
n77(3700-3980)	30	90	649668	120@60	DFT_QAM64	19.1	-2.6	16.5	44.67	1000	PASS
n77(3700-3980)	30	90	649668	1@1	DFT_QAM64	18.74	-2.6	16.14	41.11	1000	PASS
n77(3700-3980)	30	90	649668	1@243	DFT_QAM64	18.82	-2.6	16.22	41.88	1000	PASS
n77(3700-3980)	30	90	649668	240@0	DFT_QAM256	16.98	-2.6	14.38	27.42	1000	PASS
n77(3700-3980)	30	90	649668	120@60	DFT_QAM256	17.04	-2.6	14.44	27.8	1000	PASS
n77(3700-3980)	30	90	649668	1@1	DFT_QAM256	16.91	-2.6	14.31	26.98	1000	PASS
n77(3700-3980)	30	90	649668	1@243	DFT_QAM256	16.73	-2.6	14.13	25.88	1000	PASS
n77(3700-3980)	30	90	649668	245@0	CP_QPSK	20.06	-2.6	17.46	55.72	1000	PASS
n77(3700-3980)	30	90	649668	123@61	CP_QPSK	20.03	-2.6	17.43	55.34	1000	PASS
n77(3700-3980)	30	90	649668	1@1	CP_QPSK	19.43	-2.6	16.83	48.19	1000	PASS
n77(3700-3980)	30	90	649668	1@243	CP_QPSK	19.84	-2.6	17.24	52.97	1000	PASS
n77(3700-3980)	30	90	649668	245@0	CP_QAM16	19.98	-2.6	17.38	54.7	1000	PASS
n77(3700-3980)	30	90	649668	123@61	CP_QAM16	19.57	-2.6	16.97	49.77	1000	PASS
n77(3700-3980)	30	90	649668	1@1	CP_QAM16	18.9	-2.6	16.3	42.66	1000	PASS
n77(3700-3980)	30	90	649668	1@243	CP_QAM16	19.3	-2.6	16.7	46.77	1000	PASS
n77(3700-3980)	30	90	649668	245@0	CP_QAM64	18.99	-2.6	16.39	43.55	1000	PASS

n77(3700-3980)	30	90	649668	123@61	CP_QAM64	18.03	-2.6	15.43	34.91	1000	PASS
n77(3700-3980)	30	90	649668	1@1	CP_QAM64	18.11	-2.6	15.51	35.56	1000	PASS
n77(3700-3980)	30	90	649668	1@243	CP_QAM64	17.68	-2.6	15.08	32.21	1000	PASS
n77(3700-3980)	30	90	649668	245@0	CP_QAM256	15.01	-2.6	12.41	17.42	1000	PASS
n77(3700-3980)	30	90	649668	123@61	CP_QAM256	14.9	-2.6	12.3	16.98	1000	PASS
n77(3700-3980)	30	90	649668	1@1	CP_QAM256	14.49	-2.6	11.89	15.45	1000	PASS
n77(3700-3980)	30	90	649668	1@243	CP_QAM256	14.94	-2.6	12.34	17.14	1000	PASS
n77(3700-3980)	30	90	656000	240@0	DFT_BPSK	20.41	-2.6	17.81	60.39	1000	PASS
n77(3700-3980)	30	90	656000	120@60	DFT_BPSK	21.12	-2.6	18.52	71.12	1000	PASS
n77(3700-3980)	30	90	656000	1@1	DFT_BPSK	20.15	-2.6	17.55	56.89	1000	PASS
n77(3700-3980)	30	90	656000	1@243	DFT_BPSK	20.59	-2.6	17.99	62.95	1000	PASS
n77(3700-3980)	30	90	656000	240@0	DFT_QPSK	20.2	-2.6	17.6	57.54	1000	PASS
n77(3700-3980)	30	90	656000	120@60	DFT_QPSK	21.15	-2.6	18.55	71.61	1000	PASS
n77(3700-3980)	30	90	656000	1@1	DFT_QPSK	20.07	-2.6	17.47	55.85	1000	PASS
n77(3700-3980)	30	90	656000	1@243	DFT_QPSK	20.52	-2.6	17.92	61.94	1000	PASS
n77(3700-3980)	30	90	656000	240@0	DFT_QAM16	19.13	-2.6	16.53	44.98	1000	PASS
n77(3700-3980)	30	90	656000	120@60	DFT_QAM16	20.29	-2.6	17.69	58.75	1000	PASS
n77(3700-3980)	30	90	656000	1@1	DFT_QAM16	19.56	-2.6	16.96	49.66	1000	PASS
n77(3700-3980)	30	90	656000	1@243	DFT_QAM16	19.97	-2.6	17.37	54.58	1000	PASS
n77(3700-3980)	30	90	656000	240@0	DFT_QAM64	18.89	-2.6	16.29	42.56	1000	PASS
n77(3700-3980)	30	90	656000	120@60	DFT_QAM64	18.82	-2.6	16.22	41.88	1000	PASS
n77(3700-3980)	30	90	656000	1@1	DFT_QAM64	18.93	-2.6	16.33	42.95	1000	PASS
n77(3700-3980)	30	90	656000	1@243	DFT_QAM64	18.46	-2.6	15.86	38.55	1000	PASS
n77(3700-3980)	30	90	656000	240@0	DFT_QAM256	16.37	-2.6	13.77	23.82	1000	PASS
n77(3700-3980)	30	90	656000	120@60	DFT_QAM256	16.75	-2.6	14.15	26	1000	PASS
n77(3700-3980)	30	90	656000	1@1	DFT_QAM256	15.95	-2.6	13.35	21.63	1000	PASS
n77(3700-3980)	30	90	656000	1@243	DFT_QAM256	15.6	-2.6	13	19.95	1000	PASS
n77(3700-3980)	30	90	656000	245@0	CP_QPSK	19.9	-2.6	17.3	53.7	1000	PASS
n77(3700-3980)	30	90	656000	123@61	CP_QPSK	19.8	-2.6	17.2	52.48	1000	PASS
n77(3700-3980)	30	90	656000	1@1	CP_QPSK	19.07	-2.6	16.47	44.36	1000	PASS
n77(3700-3980)	30	90	656000	1@243	CP_QPSK	19.48	-2.6	16.88	48.75	1000	PASS
n77(3700-3980)	30	90	656000	245@0	CP_QAM16	19.35	-2.6	16.75	47.32	1000	PASS
n77(3700-3980)	30	90	656000	123@61	CP_QAM16	19.3	-2.6	16.7	46.77	1000	PASS
n77(3700-3980)	30	90	656000	1@1	CP_QAM16	19.84	-2.6	17.24	52.97	1000	PASS
n77(3700-3980)	30	90	656000	1@243	CP_QAM16	18.91	-2.6	16.31	42.76	1000	PASS
n77(3700-3980)	30	90	656000	245@0	CP_QAM64	17.62	-2.6	15.02	31.77	1000	PASS
n77(3700-3980)	30	90	656000	123@61	CP_QAM64	16.58	-2.6	13.98	25	1000	PASS
n77(3700-3980)	30	90	656000	1@1	CP_QAM64	16.92	-2.6	14.32	27.04	1000	PASS
n77(3700-3980)	30	90	656000	1@243	CP_QAM64	16.52	-2.6	13.92	24.66	1000	PASS
n77(3700-3980)	30	90	656000	245@0	CP_QAM256	14.6	-2.6	12	15.85	1000	PASS
n77(3700-3980)	30	90	656000	123@61	CP_QAM256	13.62	-2.6	11.02	12.65	1000	PASS

n77(3700-3980)	30	90	656000	1@1	CP_QAM256	13.95	-2.6	11.35	13.65	1000	PASS
n77(3700-3980)	30	90	656000	1@243	CP_QAM256	13.56	-2.6	10.96	12.47	1000	PASS
n77(3700-3980)	30	90	662332	240@0	DFT_BPSK	20.36	-2.6	17.76	59.7	1000	PASS
n77(3700-3980)	30	90	662332	120@60	DFT_BPSK	21.05	-2.6	18.45	69.98	1000	PASS
n77(3700-3980)	30	90	662332	1@1	DFT_BPSK	20.12	-2.6	17.52	56.49	1000	PASS
n77(3700-3980)	30	90	662332	1@243	DFT_BPSK	20.49	-2.6	17.89	61.52	1000	PASS
n77(3700-3980)	30	90	662332	240@0	DFT_QPSK	20.09	-2.6	17.49	56.1	1000	PASS
n77(3700-3980)	30	90	662332	120@60	DFT_QPSK	21.03	-2.6	18.43	69.66	1000	PASS
n77(3700-3980)	30	90	662332	1@1	DFT_QPSK	20.02	-2.6	17.42	55.21	1000	PASS
n77(3700-3980)	30	90	662332	1@243	DFT_QPSK	20.38	-2.6	17.78	59.98	1000	PASS
n77(3700-3980)	30	90	662332	240@0	DFT_QAM16	19.06	-2.6	16.46	44.26	1000	PASS
n77(3700-3980)	30	90	662332	120@60	DFT_QAM16	20.15	-2.6	17.55	56.89	1000	PASS
n77(3700-3980)	30	90	662332	1@1	DFT_QAM16	19.54	-2.6	16.94	49.43	1000	PASS
n77(3700-3980)	30	90	662332	1@243	DFT_QAM16	19.52	-2.6	16.92	49.2	1000	PASS
n77(3700-3980)	30	90	662332	240@0	DFT_QAM64	18.5	-2.6	15.9	38.9	1000	PASS
n77(3700-3980)	30	90	662332	120@60	DFT_QAM64	18.7	-2.6	16.1	40.74	1000	PASS
n77(3700-3980)	30	90	662332	1@1	DFT_QAM64	18.47	-2.6	15.87	38.64	1000	PASS
n77(3700-3980)	30	90	662332	1@243	DFT_QAM64	18.31	-2.6	15.71	37.24	1000	PASS
n77(3700-3980)	30	90	662332	240@0	DFT_QAM256	16.54	-2.6	13.94	24.77	1000	PASS
n77(3700-3980)	30	90	662332	120@60	DFT_QAM256	15.66	-2.6	13.06	20.23	1000	PASS
n77(3700-3980)	30	90	662332	1@1	DFT_QAM256	15.92	-2.6	13.32	21.48	1000	PASS
n77(3700-3980)	30	90	662332	1@243	DFT_QAM256	15.33	-2.6	12.73	18.75	1000	PASS
n77(3700-3980)	30	90	662332	245@0	CP_QPSK	19.47	-2.6	16.87	48.64	1000	PASS
n77(3700-3980)	30	90	662332	123@61	CP_QPSK	19.66	-2.6	17.06	50.82	1000	PASS
n77(3700-3980)	30	90	662332	1@1	CP_QPSK	19.02	-2.6	16.42	43.85	1000	PASS
n77(3700-3980)	30	90	662332	1@243	CP_QPSK	19.48	-2.6	16.88	48.75	1000	PASS
n77(3700-3980)	30	90	662332	245@0	CP_QAM16	19.51	-2.6	16.91	49.09	1000	PASS
n77(3700-3980)	30	90	662332	123@61	CP_QAM16	19.21	-2.6	16.61	45.81	1000	PASS
n77(3700-3980)	30	90	662332	1@1	CP_QAM16	19.61	-2.6	17.01	50.23	1000	PASS
n77(3700-3980)	30	90	662332	1@243	CP_QAM16	18.9	-2.6	16.3	42.66	1000	PASS
n77(3700-3980)	30	90	662332	245@0	CP_QAM64	17.43	-2.6	14.83	30.41	1000	PASS
n77(3700-3980)	30	90	662332	123@61	CP_QAM64	17.66	-2.6	15.06	32.06	1000	PASS
n77(3700-3980)	30	90	662332	1@1	CP_QAM64	16.88	-2.6	14.28	26.79	1000	PASS
n77(3700-3980)	30	90	662332	1@243	CP_QAM64	17.33	-2.6	14.73	29.72	1000	PASS
n77(3700-3980)	30	90	662332	245@0	CP_QAM256	14.6	-2.6	12	15.85	1000	PASS
n77(3700-3980)	30	90	662332	123@61	CP_QAM256	14.6	-2.6	12	15.85	1000	PASS
n77(3700-3980)	30	90	662332	1@1	CP_QAM256	14.5	-2.6	11.9	15.49	1000	PASS
n77(3700-3980)	30	90	662332	1@243	CP_QAM256	14.32	-2.6	11.72	14.86	1000	PASS
n77(3700-3980)	30	100	650000	270@0	DFT_BPSK	21	-2.6	18.4	69.18	1000	PASS
n77(3700-3980)	30	100	650000	135@67	DFT_BPSK	21.46	-2.6	18.86	76.91	1000	PASS
n77(3700-3980)	30	100	650000	1@1	DFT_BPSK	20.38	-2.6	17.78	59.98	1000	PASS

n77(3700-3980)	30	100	650000	1@271	DFT_BPSK	20.85	-2.6	18.25	66.83	1000	PASS
n77(3700-3980)	30	100	650000	270@0	DFT_QPSK	20.43	-2.6	17.83	60.67	1000	PASS
n77(3700-3980)	30	100	650000	135@67	DFT_QPSK	21.38	-2.6	18.78	75.51	1000	PASS
n77(3700-3980)	30	100	650000	1@1	DFT_QPSK	20.3	-2.6	17.7	58.88	1000	PASS
n77(3700-3980)	30	100	650000	1@271	DFT_QPSK	20.75	-2.6	18.15	65.31	1000	PASS
n77(3700-3980)	30	100	650000	270@0	DFT_QAM16	19.47	-2.6	16.87	48.64	1000	PASS
n77(3700-3980)	30	100	650000	135@67	DFT_QAM16	20.59	-2.6	17.99	62.95	1000	PASS
n77(3700-3980)	30	100	650000	1@1	DFT_QAM16	19.81	-2.6	17.21	52.6	1000	PASS
n77(3700-3980)	30	100	650000	1@271	DFT_QAM16	20.27	-2.6	17.67	58.48	1000	PASS
n77(3700-3980)	30	100	650000	270@0	DFT_QAM64	19.55	-2.6	16.95	49.55	1000	PASS
n77(3700-3980)	30	100	650000	135@67	DFT_QAM64	19.11	-2.6	16.51	44.77	1000	PASS
n77(3700-3980)	30	100	650000	1@1	DFT_QAM64	19.45	-2.6	16.85	48.42	1000	PASS
n77(3700-3980)	30	100	650000	1@271	DFT_QAM64	18.77	-2.6	16.17	41.4	1000	PASS
n77(3700-3980)	30	100	650000	270@0	DFT_QAM256	17.28	-2.6	14.68	29.38	1000	PASS
n77(3700-3980)	30	100	650000	135@67	DFT_QAM256	17.07	-2.6	14.47	27.99	1000	PASS
n77(3700-3980)	30	100	650000	1@1	DFT_QAM256	16.91	-2.6	14.31	26.98	1000	PASS
n77(3700-3980)	30	100	650000	1@271	DFT_QAM256	16.62	-2.6	14.02	25.23	1000	PASS
n77(3700-3980)	30	100	650000	273@0	CP_QPSK	18.39	-2.6	15.79	37.93	1000	PASS
n77(3700-3980)	30	100	650000	137@68	CP_QPSK	20.05	-2.6	17.45	55.59	1000	PASS
n77(3700-3980)	30	100	650000	1@1	CP_QPSK	19.35	-2.6	16.75	47.32	1000	PASS
n77(3700-3980)	30	100	650000	1@271	CP_QPSK	19.81	-2.6	17.21	52.6	1000	PASS
n77(3700-3980)	30	100	650000	273@0	CP_QAM16	19.44	-2.6	16.84	48.31	1000	PASS
n77(3700-3980)	30	100	650000	137@68	CP_QAM16	19.56	-2.6	16.96	49.66	1000	PASS
n77(3700-3980)	30	100	650000	1@1	CP_QAM16	19.97	-2.6	17.37	54.58	1000	PASS
n77(3700-3980)	30	100	650000	1@271	CP_QAM16	19.21	-2.6	16.61	45.81	1000	PASS
n77(3700-3980)	30	100	650000	273@0	CP_QAM64	18.08	-2.6	15.48	35.32	1000	PASS
n77(3700-3980)	30	100	650000	137@68	CP_QAM64	18.06	-2.6	15.46	35.16	1000	PASS
n77(3700-3980)	30	100	650000	1@1	CP_QAM64	17.18	-2.6	14.58	28.71	1000	PASS
n77(3700-3980)	30	100	650000	1@271	CP_QAM64	17.72	-2.6	15.12	32.51	1000	PASS
n77(3700-3980)	30	100	650000	273@0	CP_QAM256	14.97	-2.6	12.37	17.26	1000	PASS
n77(3700-3980)	30	100	650000	137@68	CP_QAM256	14.31	-2.6	11.71	14.83	1000	PASS
n77(3700-3980)	30	100	650000	1@1	CP_QAM256	14.4	-2.6	11.8	15.14	1000	PASS
n77(3700-3980)	30	100	650000	1@271	CP_QAM256	14.65	-2.6	12.05	16.03	1000	PASS
n77(3700-3980)	30	100	656000	270@0	DFT_BPSK	20.47	-2.6	17.87	61.24	1000	PASS
n77(3700-3980)	30	100	656000	135@67	DFT_BPSK	21.12	-2.6	18.52	71.12	1000	PASS
n77(3700-3980)	30	100	656000	1@1	DFT_BPSK	19.95	-2.6	17.35	54.33	1000	PASS
n77(3700-3980)	30	100	656000	1@271	DFT_BPSK	20.46	-2.6	17.86	61.09	1000	PASS
n77(3700-3980)	30	100	656000	270@0	DFT_QPSK	20.19	-2.6	17.59	57.41	1000	PASS
n77(3700-3980)	30	100	656000	135@67	DFT_QPSK	21.13	-2.6	18.53	71.29	1000	PASS
n77(3700-3980)	30	100	656000	1@1	DFT_QPSK	19.88	-2.6	17.28	53.46	1000	PASS
n77(3700-3980)	30	100	656000	1@271	DFT_QPSK	20.41	-2.6	17.81	60.39	1000	PASS

n77(3700-3980)	30	100	656000	270@0	DFT_QAM16	19.13	-2.6	16.53	44.98	1000	PASS
n77(3700-3980)	30	100	656000	135@67	DFT_QAM16	20.29	-2.6	17.69	58.75	1000	PASS
n77(3700-3980)	30	100	656000	1@1	DFT_QAM16	19.39	-2.6	16.79	47.75	1000	PASS
n77(3700-3980)	30	100	656000	1@271	DFT_QAM16	19.86	-2.6	17.26	53.21	1000	PASS
n77(3700-3980)	30	100	656000	270@0	DFT_QAM64	18.45	-2.6	15.85	38.46	1000	PASS
n77(3700-3980)	30	100	656000	135@67	DFT_QAM64	18.77	-2.6	16.17	41.4	1000	PASS
n77(3700-3980)	30	100	656000	1@1	DFT_QAM64	18.34	-2.6	15.74	37.5	1000	PASS
n77(3700-3980)	30	100	656000	1@271	DFT_QAM64	18.37	-2.6	15.77	37.76	1000	PASS
n77(3700-3980)	30	100	656000	270@0	DFT_QAM256	16.61	-2.6	14.01	25.18	1000	PASS
n77(3700-3980)	30	100	656000	135@67	DFT_QAM256	16.77	-2.6	14.17	26.12	1000	PASS
n77(3700-3980)	30	100	656000	1@1	DFT_QAM256	15.8	-2.6	13.2	20.89	1000	PASS
n77(3700-3980)	30	100	656000	1@271	DFT_QAM256	16.25	-2.6	13.65	23.17	1000	PASS
n77(3700-3980)	30	100	656000	273@0	CP_QPSK	19.54	-2.6	16.94	49.43	1000	PASS
n77(3700-3980)	30	100	656000	137@68	CP_QPSK	19.78	-2.6	17.18	52.24	1000	PASS
n77(3700-3980)	30	100	656000	1@1	CP_QPSK	19.44	-2.6	16.84	48.31	1000	PASS
n77(3700-3980)	30	100	656000	1@271	CP_QPSK	19.42	-2.6	16.82	48.08	1000	PASS
n77(3700-3980)	30	100	656000	273@0	CP_QAM16	19.43	-2.6	16.83	48.19	1000	PASS
n77(3700-3980)	30	100	656000	137@68	CP_QAM16	19.27	-2.6	16.67	46.45	1000	PASS
n77(3700-3980)	30	100	656000	1@1	CP_QAM16	19.84	-2.6	17.24	52.97	1000	PASS
n77(3700-3980)	30	100	656000	1@271	CP_QAM16	18.81	-2.6	16.21	41.78	1000	PASS
n77(3700-3980)	30	100	656000	273@0	CP_QAM64	17.6	-2.6	15	31.62	1000	PASS
n77(3700-3980)	30	100	656000	137@68	CP_QAM64	16.52	-2.6	13.92	24.66	1000	PASS
n77(3700-3980)	30	100	656000	1@1	CP_QAM64	16.82	-2.6	14.22	26.42	1000	PASS
n77(3700-3980)	30	100	656000	1@271	CP_QAM64	16.65	-2.6	14.05	25.41	1000	PASS
n77(3700-3980)	30	100	656000	273@0	CP_QAM256	14.54	-2.6	11.94	15.63	1000	PASS
n77(3700-3980)	30	100	656000	137@68	CP_QAM256	14.68	-2.6	12.08	16.14	1000	PASS
n77(3700-3980)	30	100	656000	1@1	CP_QAM256	14.45	-2.6	11.85	15.31	1000	PASS
n77(3700-3980)	30	100	656000	1@271	CP_QAM256	14.27	-2.6	11.67	14.69	1000	PASS
n77(3700-3980)	30	100	662000	270@0	DFT_BPSK	20.37	-2.6	17.77	59.84	1000	PASS
n77(3700-3980)	30	100	662000	135@67	DFT_BPSK	21.04	-2.6	18.44	69.82	1000	PASS
n77(3700-3980)	30	100	662000	1@1	DFT_BPSK	19.95	-2.6	17.35	54.33	1000	PASS
n77(3700-3980)	30	100	662000	1@271	DFT_BPSK	20.38	-2.6	17.78	59.98	1000	PASS
n77(3700-3980)	30	100	662000	270@0	DFT_QPSK	20.08	-2.6	17.48	55.98	1000	PASS
n77(3700-3980)	30	100	662000	135@67	DFT_QPSK	21.01	-2.6	18.41	69.34	1000	PASS
n77(3700-3980)	30	100	662000	1@1	DFT_QPSK	19.85	-2.6	17.25	53.09	1000	PASS
n77(3700-3980)	30	100	662000	1@271	DFT_QPSK	20.27	-2.6	17.67	58.48	1000	PASS
n77(3700-3980)	30	100	662000	270@0	DFT_QAM16	19.12	-2.6	16.52	44.87	1000	PASS
n77(3700-3980)	30	100	662000	135@67	DFT_QAM16	20.19	-2.6	17.59	57.41	1000	PASS
n77(3700-3980)	30	100	662000	1@1	DFT_QAM16	19.41	-2.6	16.81	47.97	1000	PASS
n77(3700-3980)	30	100	662000	1@271	DFT_QAM16	19.42	-2.6	16.82	48.08	1000	PASS
n77(3700-3980)	30	100	662000	270@0	DFT_QAM64	18.55	-2.6	15.95	39.36	1000	PASS