Appendix A : Test Result - n77-n78-(3.7G)

1. Conducted Output Power

Band	SCS (kHz)	Bandwidth (MHz)	UL Channel	RB Allocation	Modulation	Power (dBm)	GT - Lc (dB)	EIRP (dBm)	EIRP (mW)	EIRP Limit (mW)	Verdict
n77(3700-3980)	30	10	647000	24@0	DFT_BPSK	16.49	1.7	18.19	65.92	1000	PASS
n77(3700-3980)	30	10	647000	12@6	DFT_BPSK	17.02	1.7	18.72	74.47	1000	PASS
n77(3700-3980)	30	10	647000	1@1	DFT_BPSK	16.83	1.7	18.53	71.29	1000	PASS
n77(3700-3980)	30	10	647000	1@22	DFT_BPSK	16.93	1.7	18.63	72.95	1000	PASS
n77(3700-3980)	30	10	647000	24@0	DFT_QPSK	15.89	1.7	17.59	57.41	1000	PASS
n77(3700-3980)	30	10	647000	12@6	DFT_QPSK	16.96	1.7	18.66	73.45	1000	PASS
n77(3700-3980)	30	10	647000	1@1	DFT_QPSK	16.89	1.7	18.59	72.28	1000	PASS
n77(3700-3980)	30	10	647000	1@22	DFT_QPSK	16.93	1.7	18.63	72.95	1000	PASS
n77(3700-3980)	30	10	647000	24@0	DFT_16QAM	14.92	1.7	16.62	45.92	1000	PASS
n77(3700-3980)	30	10	647000	12@6	DFT_16QAM	15.91	1.7	17.61	57.68	1000	PASS
n77(3700-3980)	30	10	647000	1@1	DFT_16QAM	15.77	1.7	17.47	55.85	1000	PASS
n77(3700-3980)	30	10	647000	1@22	DFT_16QAM	15.81	1.7	17.51	56.36	1000	PASS
n77(3700-3980)	30	10	647000	24@0	DFT_64QAM	14.5	1.7	16.2	41.69	1000	PASS
n77(3700-3980)	30	10	647000	12@6	DFT_64QAM	14.54	1.7	16.24	42.07	1000	PASS
n77(3700-3980)	30	10	647000	1@1	DFT_64QAM	14.37	1.7	16.07	40.46	1000	PASS
n77(3700-3980)	30	10	647000	1@22	DFT_64QAM	14.38	1.7	16.08	40.55	1000	PASS
n77(3700-3980)	30	10	647000	24@0	DFT_256QAM	12.4	1.7	14.1	25.7	1000	PASS
n77(3700-3980)	30	10	647000	12@6	DFT_256QAM	12.46	1.7	14.16	26.06	1000	PASS
n77(3700-3980)	30	10	647000	1@1	DFT_256QAM	12.29	1.7	13.99	25.06	1000	PASS
n77(3700-3980)	30	10	647000	1@22	DFT_256QAM	12.29	1.7	13.99	25.06	1000	PASS
n77(3700-3980)	30	10	647000	24@0	CP_QPSK	13.96	1.7	15.66	36.81	1000	PASS
n77(3700-3980)	30	10	647000	12@6	CP_QPSK	15.37	1.7	17.07	50.93	1000	PASS
n77(3700-3980)	30	10	647000	1@1	CP_QPSK	15.38	1.7	17.08	51.05	1000	PASS
n77(3700-3980)	30	10	647000	1@22	CP_QPSK	15.41	1.7	17.11	51.4	1000	PASS
n77(3700-3980)	30	10	647000	24@0	CP_16QAM	13.93	1.7	15.63	36.56	1000	PASS
n77(3700-3980)	30	10	647000	12@6	CP_16QAM	15	1.7	16.7	46.77	1000	PASS
n77(3700-3980)	30	10	647000	1@1	CP_16QAM	14.84	1.7	16.54	45.08	1000	PASS
n77(3700-3980)	30	10	647000	1@22	CP_16QAM	14.85	1.7	16.55	45.19	1000	PASS
n77(3700-3980)	30	10	647000	24@0	CP_64QAM	13.52	1.7	15.22	33.27	1000	PASS
n77(3700-3980)	30	10	647000	12@6	CP_64QAM	13.5	1.7	15.2	33.11	1000	PASS
n77(3700-3980)	30	10	647000	1@1	CP_64QAM	13.24	1.7	14.94	31.19	1000	PASS
n77(3700-3980)	30	10	647000	1@22	CP_64QAM	13.23	1.7	14.93	31.12	1000	PASS
n77(3700-3980)	30	10	647000	24@0	CP_256QAM	10.4	1.7	12.1	16.22	1000	PASS
n77(3700-3980)	30	10	647000	12@6	CP_256QAM	10.42	1.7	12.12	16.29	1000	PASS

n77(3700-3980)	30	10	647000	1@1	CP_256QAM	10.4	1.7	12.1	16.22	1000	PASS
n77(3700-3980)	30	10	647000	1@22	CP_256QAM	10.42	1.7	12.12	16.29	1000	PASS
n77(3700-3980)	30	10	656000	24@0	DFT_BPSK	16.46	1.7	18.16	65.46	1000	PASS
n77(3700-3980)	30	10	656000	12@6	DFT_BPSK	16.89	1.7	18.59	72.28	1000	PASS
n77(3700-3980)	30	10	656000	1@1	DFT_BPSK	16.89	1.7	18.59	72.28	1000	PASS
n77(3700-3980)	30	10	656000	1@22	DFT_BPSK	16.95	1.7	18.65	73.28	1000	PASS
n77(3700-3980)	30	10	656000	24@0	DFT_QPSK	15.95	1.7	17.65	58.21	1000	PASS
n77(3700-3980)	30	10	656000	12@6	DFT_QPSK	17.05	1.7	18.75	74.99	1000	PASS
n77(3700-3980)	30	10	656000	1@1	DFT_QPSK	16.92	1.7	18.62	72.78	1000	PASS
n77(3700-3980)	30	10	656000	1@22	DFT_QPSK	16.99	1.7	18.69	73.96	1000	PASS
n77(3700-3980)	30	10	656000	24@0	DFT_16QAM	14.95	1.7	16.65	46.24	1000	PASS
n77(3700-3980)	30	10	656000	12@6	DFT_16QAM	15.96	1.7	17.66	58.34	1000	PASS
n77(3700-3980)	30	10	656000	1@1	DFT_16QAM	15.78	1.7	17.48	55.98	1000	PASS
n77(3700-3980)	30	10	656000	1@22	DFT_16QAM	15.86	1.7	17.56	57.02	1000	PASS
n77(3700-3980)	30	10	656000	24@0	DFT_64QAM	14.61	1.7	16.31	42.76	1000	PASS
n77(3700-3980)	30	10	656000	12@6	DFT_64QAM	14.6	1.7	16.3	42.66	1000	PASS
n77(3700-3980)	30	10	656000	1@1	DFT_64QAM	14.37	1.7	16.07	40.46	1000	PASS
n77(3700-3980)	30	10	656000	1@22	DFT_64QAM	14.46	1.7	16.16	41.3	1000	PASS
n77(3700-3980)	30	10	656000	24@0	DFT_256QAM	12.55	1.7	14.25	26.61	1000	PASS
n77(3700-3980)	30	10	656000	12@6	DFT_256QAM	12.63	1.7	14.33	27.1	1000	PASS
n77(3700-3980)	30	10	656000	1@1	DFT_256QAM	12.32	1.7	14.02	25.23	1000	PASS
n77(3700-3980)	30	10	656000	1@22	DFT_256QAM	12.41	1.7	14.11	25.76	1000	PASS
n77(3700-3980)	30	10	656000	24@0	CP_QPSK	14	1.7	15.7	37.15	1000	PASS
n77(3700-3980)	30	10	656000	12@6	CP_QPSK	15.37	1.7	17.07	50.93	1000	PASS
n77(3700-3980)	30	10	656000	1@1	CP_QPSK	15.45	1.7	17.15	51.88	1000	PASS
n77(3700-3980)	30	10	656000	1@22	CP_QPSK	15.57	1.7	17.27	53.33	1000	PASS
n77(3700-3980)	30	10	656000	24@0	CP_16QAM	13.94	1.7	15.64	36.64	1000	PASS
n77(3700-3980)	30	10	656000	12@6	CP_16QAM	15.08	1.7	16.78	47.64	1000	PASS
n77(3700-3980)	30	10	656000	1@1	CP_16QAM	15.04	1.7	16.74	47.21	1000	PASS
n77(3700-3980)	30	10	656000	1@22	CP_16QAM	15.07	1.7	16.77	47.53	1000	PASS
n77(3700-3980)	30	10	656000	24@0	CP_64QAM	13.57	1.7	15.27	33.65	1000	PASS
n77(3700-3980)	30	10	656000	12@6	CP_64QAM	13.66	1.7	15.36	34.36	1000	PASS
n77(3700-3980)	30	10	656000	1@1	CP_64QAM	13.23	1.7	14.93	31.12	1000	PASS
n77(3700-3980)	30	10	656000	1@22	CP_64QAM	13.34	1.7	15.04	31.92	1000	PASS
n77(3700-3980)	30	10	656000	24@0	CP_256QAM	10.42	1.7	12.12	16.29	1000	PASS
n77(3700-3980)	30	10	656000	12@6	CP_256QAM	10.51	1.7	12.21	16.63	1000	PASS
n77(3700-3980)	30	10	656000	1@1	CP_256QAM	10.48	1.7	12.18	16.52	1000	PASS
n77(3700-3980)	30	10	656000	1@22	CP_256QAM	10.54	1.7	12.24	16.75	1000	PASS
n77(3700-3980)	30	10	665000	24@0	DFT_BPSK	16.27	1.7	17.97	62.66	1000	PASS
n77(3700-3980)	30	10	665000	12@6	DFT_BPSK	16.73	1.7	18.43	69.66	1000	PASS
n77(3700-3980)	30	10	665000	1@1	DFT_BPSK	16.7	1.7	18.4	69.18	1000	PASS
n77(3700-3980)	30	10	665000	1@22	DFT_BPSK	16.75	1.7	18.45	69.98	1000	PASS
n77(3700-3980)	30	10	665000	24@0	DFT_QPSK	15.72	1.7	17.42	55.21	1000	PASS

n77(3700-3980)	30	10	665000	12@6	DFT_QPSK	16.76	1.7	18.46	70.15	1000	PASS
n77(3700-3980)	30	10	665000	1@1	DFT_QPSK	16.74	1.7	18.44	69.82	1000	PASS
n77(3700-3980)	30	10	665000	1@22	DFT_QPSK	16.78	1.7	18.48	70.47	1000	PASS
n77(3700-3980)	30	10	665000	24@0	DFT_16QAM	14.79	1.7	16.49	44.57	1000	PASS
n77(3700-3980)	30	10	665000	12@6	DFT_16QAM	15.78	1.7	17.48	55.98	1000	PASS
n77(3700-3980)	30	10	665000	1@1	DFT_16QAM	15.63	1.7	17.33	54.08	1000	PASS
n77(3700-3980)	30	10	665000	1@22	DFT_16QAM	15.63	1.7	17.33	54.08	1000	PASS
n77(3700-3980)	30	10	665000	24@0	DFT_64QAM	14.21	1.7	15.91	38.99	1000	PASS
n77(3700-3980)	30	10	665000	12@6	DFT_64QAM	14.29	1.7	15.99	39.72	1000	PASS
n77(3700-3980)	30	10	665000	1@1	DFT_64QAM	14.13	1.7	15.83	38.28	1000	PASS
n77(3700-3980)	30	10	665000	1@22	DFT_64QAM	14.12	1.7	15.82	38.19	1000	PASS
n77(3700-3980)	30	10	665000	24@0	DFT_256QAM	12.19	1.7	13.89	24.49	1000	PASS
n77(3700-3980)	30	10	665000	12@6	DFT_256QAM	12.35	1.7	14.05	25.41	1000	PASS
n77(3700-3980)	30	10	665000	1@1	DFT_256QAM	12.13	1.7	13.83	24.15	1000	PASS
n77(3700-3980)	30	10	665000	1@22	DFT_256QAM	12.12	1.7	13.82	24.1	1000	PASS
n77(3700-3980)	30	10	665000	24@0	CP_QPSK	13.72	1.7	15.42	34.83	1000	PASS
n77(3700-3980)	30	10	665000	12@6	CP_QPSK	15.21	1.7	16.91	49.09	1000	PASS
n77(3700-3980)	30	10	665000	1@1	CP_QPSK	15.28	1.7	16.98	49.89	1000	PASS
n77(3700-3980)	30	10	665000	1@22	CP_QPSK	15.3	1.7	17	50.12	1000	PASS
n77(3700-3980)	30	10	665000	24@0	CP_16QAM	13.59	1.7	15.29	33.81	1000	PASS
n77(3700-3980)	30	10	665000	12@6	CP_16QAM	14.88	1.7	16.58	45.5	1000	PASS
n77(3700-3980)	30	10	665000	1@1	CP_16QAM	14.85	1.7	16.55	45.19	1000	PASS
n77(3700-3980)	30	10	665000	1@22	CP_16QAM	14.85	1.7	16.55	45.19	1000	PASS
n77(3700-3980)	30	10	665000	24@0	CP_64QAM	13.28	1.7	14.98	31.48	1000	PASS
n77(3700-3980)	30	10	665000	12@6	CP_64QAM	13.36	1.7	15.06	32.06	1000	PASS
n77(3700-3980)	30	10	665000	1@1	CP_64QAM	12.98	1.7	14.68	29.38	1000	PASS
n77(3700-3980)	30	10	665000	1@22	CP_64QAM	12.96	1.7	14.66	29.24	1000	PASS
n77(3700-3980)	30	10	665000	24@0	CP_256QAM	10.16	1.7	11.86	15.35	1000	PASS
n77(3700-3980)	30	10	665000	12@6	CP_256QAM	10.25	1.7	11.95	15.67	1000	PASS
n77(3700-3980)	30	10	665000	1@1	CP_256QAM	10.24	1.7	11.94	15.63	1000	PASS
n77(3700-3980)	30	10	665000	1@22	CP_256QAM	10.19	1.7	11.89	15.45	1000	PASS
n77(3700-3980)	30	15	647168	36@0	DFT_BPSK	16.39	1.7	18.09	64.42	1000	PASS
n77(3700-3980)	30	15	647168	18@9	DFT_BPSK	16.97	1.7	18.67	73.62	1000	PASS
n77(3700-3980)	30	15	647168	1@1	DFT_BPSK	16.83	1.7	18.53	71.29	1000	PASS
n77(3700-3980)	30	15	647168	1@36	DFT_BPSK	16.9	1.7	18.6	72.44	1000	PASS
n77(3700-3980)	30	15	647168	36@0	DFT_QPSK	15.96	1.7	17.66	58.34	1000	PASS
n77(3700-3980)	30	15	647168	18@9	DFT_QPSK	17.04	1.7	18.74	74.82	1000	PASS
n77(3700-3980)	30	15	647168	1@1	DFT_QPSK	16.89	1.7	18.59	72.28	1000	PASS
n77(3700-3980)	30	15	647168	1@36	DFT_QPSK	16.92	1.7	18.62	72.78	1000	PASS
n77(3700-3980)	30	15	647168	36@0	DFT_16QAM	14.94	1.7	16.64	46.13	1000	PASS
n77(3700-3980)	30	15	647168	18@9	DFT_16QAM	15.99	1.7	17.69	58.75	1000	PASS
n77(3700-3980)	30	15	647168	1@1	DFT_16QAM	15.68	1.7	17.38	54.7	1000	PASS
n77(3700-3980)	30	15	647168	1@36	DFT_16QAM	15.71	1.7	17.41	55.08	1000	PASS

n77(3700-3980)	30	15	647168	36@0	DFT_64QAM	14.45	1.7	16.15	41.21	1000	PASS
n77(3700-3980)	30	15	647168	18@9	DFT_64QAM	14.56	1.7	16.26	42.27	1000	PASS
n77(3700-3980)	30	15	647168	1@1	DFT_64QAM	14.32	1.7	16.02	39.99	1000	PASS
n77(3700-3980)	30	15	647168	1@36	DFT_64QAM	14.37	1.7	16.07	40.46	1000	PASS
n77(3700-3980)	30	15	647168	36@0	DFT_256QAM	12.39	1.7	14.09	25.64	1000	PASS
n77(3700-3980)	30	15	647168	18@9	DFT_256QAM	12.45	1.7	14.15	26	1000	PASS
n77(3700-3980)	30	15	647168	1@1	DFT_256QAM	12.32	1.7	14.02	25.23	1000	PASS
n77(3700-3980)	30	15	647168	1@36	DFT_256QAM	12.39	1.7	14.09	25.64	1000	PASS
n77(3700-3980)	30	15	647168	38@0	CP_QPSK	13.89	1.7	15.59	36.22	1000	PASS
n77(3700-3980)	30	15	647168	19@9	CP_QPSK	15.4	1.7	17.1	51.29	1000	PASS
n77(3700-3980)	30	15	647168	1@1	CP_QPSK	15.38	1.7	17.08	51.05	1000	PASS
n77(3700-3980)	30	15	647168	1@36	CP_QPSK	15.4	1.7	17.1	51.29	1000	PASS
n77(3700-3980)	30	15	647168	38@0	CP_16QAM	13.99	1.7	15.69	37.07	1000	PASS
n77(3700-3980)	30	15	647168	19@9	CP_16QAM	14.92	1.7	16.62	45.92	1000	PASS
n77(3700-3980)	30	15	647168	1@1	CP_16QAM	14.85	1.7	16.55	45.19	1000	PASS
n77(3700-3980)	30	15	647168	1@36	CP_16QAM	14.86	1.7	16.56	45.29	1000	PASS
n77(3700-3980)	30	15	647168	38@0	CP_64QAM	13.51	1.7	15.21	33.19	1000	PASS
n77(3700-3980)	30	15	647168	19@9	CP_64QAM	13.46	1.7	15.16	32.81	1000	PASS
n77(3700-3980)	30	15	647168	1@1	CP_64QAM	13.21	1.7	14.91	30.97	1000	PASS
n77(3700-3980)	30	15	647168	1@36	CP_64QAM	13.22	1.7	14.92	31.05	1000	PASS
n77(3700-3980)	30	15	647168	38@0	CP_256QAM	10.48	1.7	12.18	16.52	1000	PASS
n77(3700-3980)	30	15	647168	19@9	CP_256QAM	10.53	1.7	12.23	16.71	1000	PASS
n77(3700-3980)	30	15	647168	1@1	CP_256QAM	10.38	1.7	12.08	16.14	1000	PASS
n77(3700-3980)	30	15	647168	1@36	CP_256QAM	10.4	1.7	12.1	16.22	1000	PASS
n77(3700-3980)	30	15	656000	36@0	DFT_BPSK	16.5	1.7	18.2	66.07	1000	PASS
n77(3700-3980)	30	15	656000	18@9	DFT_BPSK	17.02	1.7	18.72	74.47	1000	PASS
n77(3700-3980)	30	15	656000	1@1	DFT_BPSK	16.93	1.7	18.63	72.95	1000	PASS
n77(3700-3980)	30	15	656000	1@36	DFT_BPSK	17	1.7	18.7	74.13	1000	PASS
n77(3700-3980)	30	15	656000	36@0	DFT_QPSK	15.98	1.7	17.68	58.61	1000	PASS
n77(3700-3980)	30	15	656000	18@9	DFT_QPSK	17.1	1.7	18.8	75.86	1000	PASS
n77(3700-3980)	30	15	656000	1@1	DFT_QPSK	16.93	1.7	18.63	72.95	1000	PASS
n77(3700-3980)	30	15	656000	1@36	DFT_QPSK	17.01	1.7	18.71	74.3	1000	PASS
n77(3700-3980)	30	15	656000	36@0	DFT_16QAM	15.01	1.7	16.71	46.88	1000	PASS
n77(3700-3980)	30	15	656000	18@9	DFT_16QAM	16.05	1.7	17.75	59.57	1000	PASS
n77(3700-3980)	30	15	656000	1@1	DFT_16QAM	15.76	1.7	17.46	55.72	1000	PASS
n77(3700-3980)	30	15	656000	1@36	DFT_16QAM	15.83	1.7	17.53	56.62	1000	PASS
n77(3700-3980)	30	15	656000	36@0	DFT_64QAM	14.58	1.7	16.28	42.46	1000	PASS
n77(3700-3980)	30	15	656000	18@9	DFT_64QAM	14.63	1.7	16.33	42.95	1000	PASS
n77(3700-3980)	30	15	656000	1@1	DFT_64QAM	14.37	1.7	16.07	40.46	1000	PASS
n77(3700-3980)	30	15	656000	1@36	DFT_64QAM	14.48	1.7	16.18	41.5	1000	PASS
n77(3700-3980)	30	15	656000	36@0	DFT_256QAM	12.52	1.7	14.22	26.42	1000	PASS
n77(3700-3980)	30	15	656000	18@9	DFT_256QAM	12.52	1.7	14.22	26.42	1000	PASS
n77(3700-3980)	30	15	656000	1@1	DFT_256QAM	12.36	1.7	14.06	25.47	1000	PASS

n77(3700-3980)	30	15	656000	1@36	DFT_256QAM	12.46	1.7	14.16	26.06	1000	PASS
n77(3700-3980)	30	15	656000	38@0	CP_QPSK	13.96	1.7	15.66	36.81	1000	PASS
n77(3700-3980)	30	15	656000	19@9	CP_QPSK	15.45	1.7	17.15	51.88	1000	PASS
n77(3700-3980)	30	15	656000	1@1	CP_QPSK	15.46	1.7	17.16	52	1000	PASS
n77(3700-3980)	30	15	656000	1@36	CP_QPSK	15.54	1.7	17.24	52.97	1000	PASS
n77(3700-3980)	30	15	656000	38@0	CP_16QAM	14.07	1.7	15.77	37.76	1000	PASS
n77(3700-3980)	30	15	656000	19@9	CP_16QAM	14.97	1.7	16.67	46.45	1000	PASS
n77(3700-3980)	30	15	656000	1@1	CP_16QAM	14.94	1.7	16.64	46.13	1000	PASS
n77(3700-3980)	30	15	656000	1@36	CP_16QAM	15.08	1.7	16.78	47.64	1000	PASS
n77(3700-3980)	30	15	656000	38@0	CP_64QAM	13.55	1.7	15.25	33.5	1000	PASS
n77(3700-3980)	30	15	656000	19@9	CP_64QAM	13.58	1.7	15.28	33.73	1000	PASS
n77(3700-3980)	30	15	656000	1@1	CP_64QAM	13.22	1.7	14.92	31.05	1000	PASS
n77(3700-3980)	30	15	656000	1@36	CP_64QAM	13.31	1.7	15.01	31.7	1000	PASS
n77(3700-3980)	30	15	656000	38@0	CP_256QAM	10.58	1.7	12.28	16.9	1000	PASS
n77(3700-3980)	30	15	656000	19@9	CP_256QAM	10.61	1.7	12.31	17.02	1000	PASS
n77(3700-3980)	30	15	656000	1@1	CP_256QAM	10.46	1.7	12.16	16.44	1000	PASS
n77(3700-3980)	30	15	656000	1@36	CP_256QAM	10.56	1.7	12.26	16.83	1000	PASS
n77(3700-3980)	30	15	664832	36@0	DFT_BPSK	16.31	1.7	18.01	63.24	1000	PASS
n77(3700-3980)	30	15	664832	18@9	DFT_BPSK	16.75	1.7	18.45	69.98	1000	PASS
n77(3700-3980)	30	15	664832	1@1	DFT_BPSK	16.64	1.7	18.34	68.23	1000	PASS
n77(3700-3980)	30	15	664832	1@36	DFT_BPSK	16.69	1.7	18.39	69.02	1000	PASS
n77(3700-3980)	30	15	664832	36@0	DFT_QPSK	15.73	1.7	17.43	55.34	1000	PASS
n77(3700-3980)	30	15	664832	18@9	DFT_QPSK	16.81	1.7	18.51	70.96	1000	PASS
n77(3700-3980)	30	15	664832	1@1	DFT_QPSK	16.67	1.7	18.37	68.71	1000	PASS
n77(3700-3980)	30	15	664832	1@36	DFT_QPSK	16.7	1.7	18.4	69.18	1000	PASS
n77(3700-3980)	30	15	664832	36@0	DFT_16QAM	14.83	1.7	16.53	44.98	1000	PASS
n77(3700-3980)	30	15	664832	18@9	DFT_16QAM	15.79	1.7	17.49	56.1	1000	PASS
n77(3700-3980)	30	15	664832	1@1	DFT_16QAM	15.48	1.7	17.18	52.24	1000	PASS
n77(3700-3980)	30	15	664832	1@36	DFT_16QAM	15.54	1.7	17.24	52.97	1000	PASS
n77(3700-3980)	30	15	664832	36@0	DFT_64QAM	14.18	1.7	15.88	38.73	1000	PASS
n77(3700-3980)	30	15	664832	18@9	DFT_64QAM	14.32	1.7	16.02	39.99	1000	PASS
n77(3700-3980)	30	15	664832	1@1	DFT_64QAM	14.05	1.7	15.75	37.58	1000	PASS
n77(3700-3980)	30	15	664832	1@36	DFT_64QAM	14.1	1.7	15.8	38.02	1000	PASS
n77(3700-3980)	30	15	664832	36@0	DFT_256QAM	12.12	1.7	13.82	24.1	1000	PASS
n77(3700-3980)	30	15	664832	18@9	DFT_256QAM	12.18	1.7	13.88	24.43	1000	PASS
n77(3700-3980)	30	15	664832	1@1	DFT_256QAM	12.04	1.7	13.74	23.66	1000	PASS
n77(3700-3980)	30	15	664832	1@36	DFT_256QAM	12.08	1.7	13.78	23.88	1000	PASS
n77(3700-3980)	30	15	664832	38@0	CP_QPSK	13.64	1.7	15.34	34.2	1000	PASS
n77(3700-3980)	30	15	664832	19@9	CP_QPSK	15.19	1.7	16.89	48.87	1000	PASS
n77(3700-3980)	30	15	664832	1@1	CP_QPSK	15.15	1.7	16.85	48.42	1000	PASS
n77(3700-3980)	30	15	664832	1@36	CP_QPSK	15.19	1.7	16.89	48.87	1000	PASS
n77(3700-3980)	30	15	664832	38@0	CP_16QAM	13.73	1.7	15.43	34.91	1000	PASS
n77(3700-3980)	30	15	664832	19@9	CP_16QAM	14.77	1.7	16.47	44.36	1000	PASS

n77(3700-3980)	30	15	664832	1@1	CP_16QAM	14.66	1.7	16.36	43.25	1000	PASS
n77(3700-3980)	30	15	664832	1@36	CP_16QAM	14.69	1.7	16.39	43.55	1000	PASS
n77(3700-3980)	30	15	664832	38@0	CP_64QAM	13.21	1.7	14.91	30.97	1000	PASS
n77(3700-3980)	30	15	664832	19@9	CP_64QAM	13.24	1.7	14.94	31.19	1000	PASS
n77(3700-3980)	30	15	664832	1@1	CP_64QAM	12.93	1.7	14.63	29.04	1000	PASS
n77(3700-3980)	30	15	664832	1@36	CP_64QAM	12.92	1.7	14.62	28.97	1000	PASS
n77(3700-3980)	30	15	664832	38@0	CP_256QAM	10.23	1.7	11.93	15.6	1000	PASS
n77(3700-3980)	30	15	664832	19@9	CP_256QAM	10.28	1.7	11.98	15.78	1000	PASS
n77(3700-3980)	30	15	664832	1@1	CP_256QAM	10.13	1.7	11.83	15.24	1000	PASS
n77(3700-3980)	30	15	664832	1@36	CP_256QAM	10.15	1.7	11.85	15.31	1000	PASS
n77(3700-3980)	30	20	647334	50@0	DFT_BPSK	16.58	1.7	18.28	67.3	1000	PASS
n77(3700-3980)	30	20	647334	25@12	DFT_BPSK	17.09	1.7	18.79	75.68	1000	PASS
n77(3700-3980)	30	20	647334	1@1	DFT_BPSK	16.93	1.7	18.63	72.95	1000	PASS
n77(3700-3980)	30	20	647334	1@49	DFT_BPSK	16.99	1.7	18.69	73.96	1000	PASS
n77(3700-3980)	30	20	647334	50@0	DFT_QPSK	16.04	1.7	17.74	59.43	1000	PASS
n77(3700-3980)	30	20	647334	25@12	DFT_QPSK	17.12	1.7	18.82	76.21	1000	PASS
n77(3700-3980)	30	20	647334	1@1	DFT_QPSK	16.96	1.7	18.66	73.45	1000	PASS
n77(3700-3980)	30	20	647334	1@49	DFT_QPSK	17.01	1.7	18.71	74.3	1000	PASS
n77(3700-3980)	30	20	647334	50@0	DFT_16QAM	15	1.7	16.7	46.77	1000	PASS
n77(3700-3980)	30	20	647334	25@12	DFT_16QAM	16.04	1.7	17.74	59.43	1000	PASS
n77(3700-3980)	30	20	647334	1@1	DFT_16QAM	15.77	1.7	17.47	55.85	1000	PASS
n77(3700-3980)	30	20	647334	1@49	DFT_16QAM	15.83	1.7	17.53	56.62	1000	PASS
n77(3700-3980)	30	20	647334	50@0	DFT_64QAM	14.53	1.7	16.23	41.98	1000	PASS
n77(3700-3980)	30	20	647334	25@12	DFT_64QAM	14.58	1.7	16.28	42.46	1000	PASS
n77(3700-3980)	30	20	647334	1@1	DFT_64QAM	14.46	1.7	16.16	41.3	1000	PASS
n77(3700-3980)	30	20	647334	1@49	DFT_64QAM	14.49	1.7	16.19	41.59	1000	PASS
n77(3700-3980)	30	20	647334	50@0	DFT_256QAM	12.51	1.7	14.21	26.36	1000	PASS
n77(3700-3980)	30	20	647334	25@12	DFT_256QAM	12.54	1.7	14.24	26.55	1000	PASS
n77(3700-3980)	30	20	647334	1@1	DFT_256QAM	12.39	1.7	14.09	25.64	1000	PASS
n77(3700-3980)	30	20	647334	1@49	DFT_256QAM	12.46	1.7	14.16	26.06	1000	PASS
n77(3700-3980)	30	20	647334	51@0	CP_QPSK	14.03	1.7	15.73	37.41	1000	PASS
n77(3700-3980)	30	20	647334	25@12	CP_QPSK	15.58	1.7	17.28	53.46	1000	PASS
n77(3700-3980)	30	20	647334	1@1	CP_QPSK	15.43	1.7	17.13	51.64	1000	PASS
n77(3700-3980)	30	20	647334	1@49	CP_QPSK	15.48	1.7	17.18	52.24	1000	PASS
n77(3700-3980)	30	20	647334	51@0	CP_16QAM	14.07	1.7	15.77	37.76	1000	PASS
n77(3700-3980)	30	20	647334	25@12	CP_16QAM	15.09	1.7	16.79	47.75	1000	PASS
n77(3700-3980)	30	20	647334	1@1	CP_16QAM	14.9	1.7	16.6	45.71	1000	PASS
n77(3700-3980)	30	20	647334	1@49	CP_16QAM	14.94	1.7	16.64	46.13	1000	PASS
n77(3700-3980)	30	20	647334	51@0	CP_64QAM	13.56	1.7	15.26	33.57	1000	PASS
n77(3700-3980)	30	20	647334	25@12	CP_64QAM	13.62	1.7	15.32	34.04	1000	PASS
n77(3700-3980)	30	20	647334	1@1	CP_64QAM	13.27	1.7	14.97	31.41	1000	PASS
n77(3700-3980)	30	20	647334	1@49	CP_64QAM	13.28	1.7	14.98	31.48	1000	PASS
n77(3700-3980)	30	20	647334	51@0	CP_256QAM	10.55	1.7	12.25	16.79	1000	PASS

n77(3700-3980)	30	20	647334	25@12	CP_256QAM	10.55	1.7	12.25	16.79	1000	PASS
n77(3700-3980)	30	20	647334	1@1	CP_256QAM	10.49	1.7	12.19	16.56	1000	PASS
n77(3700-3980)	30	20	647334	1@49	CP_256QAM	10.5	1.7	12.2	16.6	1000	PASS
n77(3700-3980)	30	20	656000	50@0	DFT_BPSK	16.52	1.7	18.22	66.37	1000	PASS
n77(3700-3980)	30	20	656000	25@12	DFT_BPSK	17.1	1.7	18.8	75.86	1000	PASS
n77(3700-3980)	30	20	656000	1@1	DFT_BPSK	16.86	1.7	18.56	71.78	1000	PASS
n77(3700-3980)	30	20	656000	1@49	DFT_BPSK	17.02	1.7	18.72	74.47	1000	PASS
n77(3700-3980)	30	20	656000	50@0	DFT_QPSK	16.04	1.7	17.74	59.43	1000	PASS
n77(3700-3980)	30	20	656000	25@12	DFT_QPSK	17.08	1.7	18.78	75.51	1000	PASS
n77(3700-3980)	30	20	656000	1@1	DFT_QPSK	16.9	1.7	18.6	72.44	1000	PASS
n77(3700-3980)	30	20	656000	1@49	DFT_QPSK	17.04	1.7	18.74	74.82	1000	PASS
n77(3700-3980)	30	20	656000	50@0	DFT_16QAM	14.99	1.7	16.69	46.67	1000	PASS
n77(3700-3980)	30	20	656000	25@12	DFT_16QAM	16.05	1.7	17.75	59.57	1000	PASS
n77(3700-3980)	30	20	656000	1@1	DFT_16QAM	15.77	1.7	17.47	55.85	1000	PASS
n77(3700-3980)	30	20	656000	1@49	DFT_16QAM	15.86	1.7	17.56	57.02	1000	PASS
n77(3700-3980)	30	20	656000	50@0	DFT_64QAM	14.51	1.7	16.21	41.78	1000	PASS
n77(3700-3980)	30	20	656000	25@12	DFT_64QAM	14.61	1.7	16.31	42.76	1000	PASS
n77(3700-3980)	30	20	656000	1@1	DFT_64QAM	14.4	1.7	16.1	40.74	1000	PASS
n77(3700-3980)	30	20	656000	1@49	DFT_64QAM	14.5	1.7	16.2	41.69	1000	PASS
n77(3700-3980)	30	20	656000	50@0	DFT_256QAM	12.51	1.7	14.21	26.36	1000	PASS
n77(3700-3980)	30	20	656000	25@12	DFT_256QAM	12.57	1.7	14.27	26.73	1000	PASS
n77(3700-3980)	30	20	656000	1@1	DFT_256QAM	12.37	1.7	14.07	25.53	1000	PASS
n77(3700-3980)	30	20	656000	1@49	DFT_256QAM	12.48	1.7	14.18	26.18	1000	PASS
n77(3700-3980)	30	20	656000	51@0	CP_QPSK	14.05	1.7	15.75	37.58	1000	PASS
n77(3700-3980)	30	20	656000	25@12	CP_QPSK	15.52	1.7	17.22	52.72	1000	PASS
n77(3700-3980)	30	20	656000	1@1	CP_QPSK	15.45	1.7	17.15	51.88	1000	PASS
n77(3700-3980)	30	20	656000	1@49	CP_QPSK	15.53	1.7	17.23	52.84	1000	PASS
n77(3700-3980)	30	20	656000	51@0	CP_16QAM	14.07	1.7	15.77	37.76	1000	PASS
n77(3700-3980)	30	20	656000	25@12	CP_16QAM	15.1	1.7	16.8	47.86	1000	PASS
n77(3700-3980)	30	20	656000	1@1	CP_16QAM	14.93	1.7	16.63	46.03	1000	PASS
n77(3700-3980)	30	20	656000	1@49	CP_16QAM	15.05	1.7	16.75	47.32	1000	PASS
n77(3700-3980)	30	20	656000	51@0	CP_64QAM	13.53	1.7	15.23	33.34	1000	PASS
n77(3700-3980)	30	20	656000	25@12	CP_64QAM	13.6	1.7	15.3	33.88	1000	PASS
n77(3700-3980)	30	20	656000	1@1	CP_64QAM	13.27	1.7	14.97	31.41	1000	PASS
n77(3700-3980)	30	20	656000	1@49	CP_64QAM	13.33	1.7	15.03	31.84	1000	PASS
n77(3700-3980)	30	20	656000	51@0	CP_256QAM	10.57	1.7	12.27	16.87	1000	PASS
n77(3700-3980)	30	20	656000	25@12	CP_256QAM	10.55	1.7	12.25	16.79	1000	PASS
n77(3700-3980)	30	20	656000	1@1	CP_256QAM	10.44	1.7	12.14	16.37	1000	PASS
n77(3700-3980)	30	20	656000	1@49	CP_256QAM	10.57	1.7	12.27	16.87	1000	PASS
n77(3700-3980)	30	20	664666	50@0	DFT_BPSK	16.26	1.7	17.96	62.52	1000	PASS
n77(3700-3980)	30	20	664666	25@12	DFT_BPSK	16.77	1.7	18.47	70.31	1000	PASS
n77(3700-3980)	30	20	664666	1@1	DFT_BPSK	16.58	1.7	18.28	67.3	1000	PASS
n77(3700-3980)	30	20	664666	1@49	DFT_BPSK	16.71	1.7	18.41	69.34	1000	PASS

n77(3700-3980)	30	20	664666	50@0	DFT_QPSK	15.79	1.7	17.49	56.1	1000	PASS
n77(3700-3980)	30	20	664666	25@12	DFT_QPSK	16.81	1.7	18.51	70.96	1000	PASS
n77(3700-3980)	30	20	664666	1@1	DFT_QPSK	16.62	1.7	18.32	67.92	1000	PASS
n77(3700-3980)	30	20	664666	1@49	DFT_QPSK	16.76	1.7	18.46	70.15	1000	PASS
n77(3700-3980)	30	20	664666	50@0	DFT_16QAM	14.71	1.7	16.41	43.75	1000	PASS
n77(3700-3980)	30	20	664666	25@12	DFT_16QAM	15.79	1.7	17.49	56.1	1000	PASS
n77(3700-3980)	30	20	664666	1@1	DFT_16QAM	15.48	1.7	17.18	52.24	1000	PASS
n77(3700-3980)	30	20	664666	1@49	DFT_16QAM	15.61	1.7	17.31	53.83	1000	PASS
n77(3700-3980)	30	20	664666	50@0	DFT_64QAM	14.14	1.7	15.84	38.37	1000	PASS
n77(3700-3980)	30	20	664666	25@12	DFT_64QAM	14.22	1.7	15.92	39.08	1000	PASS
n77(3700-3980)	30	20	664666	1@1	DFT_64QAM	14.01	1.7	15.71	37.24	1000	PASS
n77(3700-3980)	30	20	664666	1@49	DFT_64QAM	14.07	1.7	15.77	37.76	1000	PASS
n77(3700-3980)	30	20	664666	50@0	DFT_256QAM	12.17	1.7	13.87	24.38	1000	PASS
n77(3700-3980)	30	20	664666	25@12	DFT_256QAM	12.22	1.7	13.92	24.66	1000	PASS
n77(3700-3980)	30	20	664666	1@1	DFT_256QAM	11.99	1.7	13.69	23.39	1000	PASS
n77(3700-3980)	30	20	664666	1@49	DFT_256QAM	12.06	1.7	13.76	23.77	1000	PASS
n77(3700-3980)	30	20	664666	51@0	CP_QPSK	13.68	1.7	15.38	34.51	1000	PASS
n77(3700-3980)	30	20	664666	25@12	CP_QPSK	15.3	1.7	17	50.12	1000	PASS
n77(3700-3980)	30	20	664666	1@1	CP_QPSK	15.12	1.7	16.82	48.08	1000	PASS
n77(3700-3980)	30	20	664666	1@49	CP_QPSK	15.26	1.7	16.96	49.66	1000	PASS
n77(3700-3980)	30	20	664666	51@0	CP_16QAM	13.71	1.7	15.41	34.75	1000	PASS
n77(3700-3980)	30	20	664666	25@12	CP_16QAM	14.82	1.7	16.52	44.87	1000	PASS
n77(3700-3980)	30	20	664666	1@1	CP_16QAM	14.68	1.7	16.38	43.45	1000	PASS
n77(3700-3980)	30	20	664666	1@49	CP_16QAM	14.78	1.7	16.48	44.46	1000	PASS
n77(3700-3980)	30	20	664666	51@0	CP_64QAM	13.24	1.7	14.94	31.19	1000	PASS
n77(3700-3980)	30	20	664666	25@12	CP_64QAM	13.3	1.7	15	31.62	1000	PASS
n77(3700-3980)	30	20	664666	1@1	CP_64QAM	12.85	1.7	14.55	28.51	1000	PASS
n77(3700-3980)	30	20	664666	1@49	CP_64QAM	12.93	1.7	14.63	29.04	1000	PASS
n77(3700-3980)	30	20	664666	51@0	CP_256QAM	10.22	1.7	11.92	15.56	1000	PASS
n77(3700-3980)	30	20	664666	25@12	CP_256QAM	10.24	1.7	11.94	15.63	1000	PASS
n77(3700-3980)	30	20	664666	1@1	CP_256QAM	10.08	1.7	11.78	15.07	1000	PASS
n77(3700-3980)	30	20	664666	1@49	CP_256QAM	10.16	1.7	11.86	15.35	1000	PASS
n77(3700-3980)	30	40	648000	100@0	DFT_BPSK	16.37	1.7	18.07	64.12	1000	PASS
n77(3700-3980)	30	40	648000	50@25	DFT_BPSK	16.95	1.7	18.65	73.28	1000	PASS
n77(3700-3980)	30	40	648000	1@1	DFT_BPSK	16.83	1.7	18.53	71.29	1000	PASS
n77(3700-3980)	30	40	648000	1@104	DFT_BPSK	16.79	1.7	18.49	70.63	1000	PASS
n77(3700-3980)	30	40	648000	100@0	DFT_QPSK	15.9	1.7	17.6	57.54	1000	PASS
n77(3700-3980)	30	40	648000	50@25	DFT_QPSK	16.94	1.7	18.64	73.11	1000	PASS
n77(3700-3980)	30	40	648000	1@1	DFT_QPSK	16.83	1.7	18.53	71.29	1000	PASS
n77(3700-3980)	30	40	648000	1@104	DFT_QPSK	16.82	1.7	18.52	71.12	1000	PASS
n77(3700-3980)	30	40	648000	100@0	DFT_16QAM	14.89	1.7	16.59	45.6	1000	PASS
n77(3700-3980)	30	40	648000	50@25	DFT_16QAM	15.9	1.7	17.6	57.54	1000	PASS
n77(3700-3980)	30	40	648000	1@1	DFT_16QAM	15.67	1.7	17.37	54.58	1000	PASS

n77(3700-3980)	30	40	648000	1@104	DFT_16QAM	15.64	1.7	17.34	54.2	1000	PASS
n77(3700-3980)	30	40	648000	100@0	DFT_64QAM	14.38	1.7	16.08	40.55	1000	PASS
n77(3700-3980)	30	40	648000	50@25	DFT_64QAM	14.43	1.7	16.13	41.02	1000	PASS
n77(3700-3980)	30	40	648000	1@1	DFT_64QAM	14.21	1.7	15.91	38.99	1000	PASS
n77(3700-3980)	30	40	648000	1@104	DFT_64QAM	14.21	1.7	15.91	38.99	1000	PASS
n77(3700-3980)	30	40	648000	100@0	DFT_256QAM	12.33	1.7	14.03	25.29	1000	PASS
n77(3700-3980)	30	40	648000	50@25	DFT_256QAM	12.36	1.7	14.06	25.47	1000	PASS
n77(3700-3980)	30	40	648000	1@1	DFT_256QAM	12.21	1.7	13.91	24.6	1000	PASS
n77(3700-3980)	30	40	648000	1@104	DFT_256QAM	12.18	1.7	13.88	24.43	1000	PASS
n77(3700-3980)	30	40	648000	106@0	CP_QPSK	13.88	1.7	15.58	36.14	1000	PASS
n77(3700-3980)	30	40	648000	53@26	CP_QPSK	15.42	1.7	17.12	51.52	1000	PASS
n77(3700-3980)	30	40	648000	1@1	CP_QPSK	15.36	1.7	17.06	50.82	1000	PASS
n77(3700-3980)	30	40	648000	1@104	CP_QPSK	15.32	1.7	17.02	50.35	1000	PASS
n77(3700-3980)	30	40	648000	106@0	CP_16QAM	13.93	1.7	15.63	36.56	1000	PASS
n77(3700-3980)	30	40	648000	53@26	CP_16QAM	14.91	1.7	16.61	45.81	1000	PASS
n77(3700-3980)	30	40	648000	1@1	CP_16QAM	14.78	1.7	16.48	44.46	1000	PASS
n77(3700-3980)	30	40	648000	1@104	CP_16QAM	14.77	1.7	16.47	44.36	1000	PASS
n77(3700-3980)	30	40	648000	106@0	CP_64QAM	13.39	1.7	15.09	32.28	1000	PASS
n77(3700-3980)	30	40	648000	53@26	CP_64QAM	13.41	1.7	15.11	32.43	1000	PASS
n77(3700-3980)	30	40	648000	1@1	CP_64QAM	13.05	1.7	14.75	29.85	1000	PASS
n77(3700-3980)	30	40	648000	1@104	CP_64QAM	13.02	1.7	14.72	29.65	1000	PASS
n77(3700-3980)	30	40	648000	106@0	CP_256QAM	10.34	1.7	12.04	16	1000	PASS
n77(3700-3980)	30	40	648000	53@26	CP_256QAM	10.36	1.7	12.06	16.07	1000	PASS
n77(3700-3980)	30	40	648000	1@1	CP_256QAM	10.3	1.7	12	15.85	1000	PASS
n77(3700-3980)	30	40	648000	1@104	CP_256QAM	10.28	1.7	11.98	15.78	1000	PASS
n77(3700-3980)	30	40	656000	100@0	DFT_BPSK	15.71	1.7	17.41	55.08	1000	PASS
n77(3700-3980)	30	40	656000	50@25	DFT_BPSK	16.98	1.7	18.68	73.79	1000	PASS
n77(3700-3980)	30	40	656000	1@1	DFT_BPSK	16.65	1.7	18.35	68.39	1000	PASS
n77(3700-3980)	30	40	656000	1@104	DFT_BPSK	17.17	1.7	18.87	77.09	1000	PASS
n77(3700-3980)	30	40	656000	100@0	DFT_QPSK	15.98	1.7	17.68	58.61	1000	PASS
n77(3700-3980)	30	40	656000	50@25	DFT_QPSK	16.95	1.7	18.65	73.28	1000	PASS
n77(3700-3980)	30	40	656000	1@1	DFT_QPSK	16.64	1.7	18.34	68.23	1000	PASS
n77(3700-3980)	30	40	656000	1@104	DFT_QPSK	17.21	1.7	18.91	77.8	1000	PASS
n77(3700-3980)	30	40	656000	100@0	DFT_16QAM	15	1.7	16.7	46.77	1000	PASS
n77(3700-3980)	30	40	656000	50@25	DFT_16QAM	15.44	1.7	17.14	51.76	1000	PASS
n77(3700-3980)	30	40	656000	1@1	DFT_16QAM	15.5	1.7	17.2	52.48	1000	PASS
n77(3700-3980)	30	40	656000	1@104	DFT_16QAM	16.02	1.7	17.72	59.16	1000	PASS
n77(3700-3980)	30	40	656000	100@0	DFT_64QAM	14.49	1.7	16.19	41.59	1000	PASS
n77(3700-3980)	30	40	656000	50@25	DFT_64QAM	14.51	1.7	16.21	41.78	1000	PASS
n77(3700-3980)	30	40	656000	1@1	DFT_64QAM	14.13	1.7	15.83	38.28	1000	PASS
n77(3700-3980)	30	40	656000	1@104	DFT_64QAM	14.57	1.7	16.27	42.36	1000	PASS
n77(3700-3980)	30	40	656000	100@0	DFT_256QAM	12.46	1.7	14.16	26.06	1000	PASS
n77(3700-3980)	30	40	656000	50@25	DFT_256QAM	12.46	1.7	14.16	26.06	1000	PASS

n77(3700-3980)	30	40	656000	1@1	DFT_256QAM	12.15	1.7	13.85	24.27	1000	PASS
n77(3700-3980)	30	40	656000	1@104	DFT_256QAM	12.56	1.7	14.26	26.67	1000	PASS
n77(3700-3980)	30	40	656000	106@0	CP_QPSK	14.01	1.7	15.71	37.24	1000	PASS
n77(3700-3980)	30	40	656000	53@26	CP_QPSK	15.5	1.7	17.2	52.48	1000	PASS
n77(3700-3980)	30	40	656000	1@1	CP_QPSK	15.2	1.7	16.9	48.98	1000	PASS
n77(3700-3980)	30	40	656000	1@104	CP_QPSK	15.73	1.7	17.43	55.34	1000	PASS
n77(3700-3980)	30	40	656000	106@0	CP_16QAM	14.02	1.7	15.72	37.33	1000	PASS
n77(3700-3980)	30	40	656000	53@26	CP_16QAM	15.01	1.7	16.71	46.88	1000	PASS
n77(3700-3980)	30	40	656000	1@1	CP_16QAM	14.72	1.7	16.42	43.85	1000	PASS
n77(3700-3980)	30	40	656000	1@104	CP_16QAM	14.36	1.7	16.06	40.36	1000	PASS
n77(3700-3980)	30	40	656000	106@0	CP_64QAM	13.51	1.7	15.21	33.19	1000	PASS
n77(3700-3980)	30	40	656000	53@26	CP_64QAM	13.55	1.7	15.25	33.5	1000	PASS
n77(3700-3980)	30	40	656000	1@1	CP_64QAM	13.03	1.7	14.73	29.72	1000	PASS
n77(3700-3980)	30	40	656000	1@104	CP_64QAM	13.42	1.7	15.12	32.51	1000	PASS
n77(3700-3980)	30	40	656000	106@0	CP_256QAM	10.46	1.7	12.16	16.44	1000	PASS
n77(3700-3980)	30	40	656000	53@26	CP_256QAM	10.49	1.7	12.19	16.56	1000	PASS
n77(3700-3980)	30	40	656000	1@1	CP_256QAM	10.23	1.7	11.93	15.6	1000	PASS
n77(3700-3980)	30	40	656000	1@104	CP_256QAM	10.64	1.7	12.34	17.14	1000	PASS
n77(3700-3980)	30	40	664000	100@0	DFT_BPSK	16.26	1.7	17.96	62.52	1000	PASS
n77(3700-3980)	30	40	664000	50@25	DFT_BPSK	16.77	1.7	18.47	70.31	1000	PASS
n77(3700-3980)	30	40	664000	1@1	DFT_BPSK	16.63	1.7	18.33	68.08	1000	PASS
n77(3700-3980)	30	40	664000	1@104	DFT_BPSK	16.73	1.7	18.43	69.66	1000	PASS
n77(3700-3980)	30	40	664000	100@0	DFT_QPSK	15.78	1.7	17.48	55.98	1000	PASS
n77(3700-3980)	30	40	664000	50@25	DFT_QPSK	16.76	1.7	18.46	70.15	1000	PASS
n77(3700-3980)	30	40	664000	1@1	DFT_QPSK	16.68	1.7	18.38	68.87	1000	PASS
n77(3700-3980)	30	40	664000	1@104	DFT_QPSK	16.8	1.7	18.5	70.79	1000	PASS
n77(3700-3980)	30	40	664000	100@0	DFT_16QAM	14.67	1.7	16.37	43.35	1000	PASS
n77(3700-3980)	30	40	664000	50@25	DFT_16QAM	15.75	1.7	17.45	55.59	1000	PASS
n77(3700-3980)	30	40	664000	1@1	DFT_16QAM	15.5	1.7	17.2	52.48	1000	PASS
n77(3700-3980)	30	40	664000	1@104	DFT_16QAM	15.65	1.7	17.35	54.33	1000	PASS
n77(3700-3980)	30	40	664000	100@0	DFT_64QAM	14.16	1.7	15.86	38.55	1000	PASS
n77(3700-3980)	30	40	664000	50@25	DFT_64QAM	14.15	1.7	15.85	38.46	1000	PASS
n77(3700-3980)	30	40	664000	1@1	DFT_64QAM	13.95	1.7	15.65	36.73	1000	PASS
n77(3700-3980)	30	40	664000	1@104	DFT_64QAM	14.08	1.7	15.78	37.84	1000	PASS
n77(3700-3980)	30	40	664000	100@0	DFT_256QAM	12.15	1.7	13.85	24.27	1000	PASS
n77(3700-3980)	30	40	664000	50@25	DFT_256QAM	12.13	1.7	13.83	24.15	1000	PASS
n77(3700-3980)	30	40	664000	1@1	DFT_256QAM	11.93	1.7	13.63	23.07	1000	PASS
n77(3700-3980)	30	40	664000	1@104	DFT_256QAM	12.1	1.7	13.8	23.99	1000	PASS
n77(3700-3980)	30	40	664000	106@0	CP_QPSK	13.65	1.7	15.35	34.28	1000	PASS
n77(3700-3980)	30	40	664000	53@26	CP_QPSK	15.25	1.7	16.95	49.55	1000	PASS
n77(3700-3980)	30	40	664000	1@1	CP_QPSK	15.17	1.7	16.87	48.64	1000	PASS
n77(3700-3980)	30	40	664000	1@104	CP_QPSK	15.29	1.7	16.99	50	1000	PASS
n77(3700-3980)	30	40	664000	106@0	CP_16QAM	13.68	1.7	15.38	34.51	1000	PASS

n77(3700-3980)	30	40	664000	53@26	CP_16QAM	14.65	1.7	16.35	43.15	1000	PASS
n77(3700-3980)	30	40	664000	1@1	CP_16QAM	14.48	1.7	16.18	41.5	1000	PASS
n77(3700-3980)	30	40	664000	1@104	CP_16QAM	14.68	1.7	16.38	43.45	1000	PASS
n77(3700-3980)	30	40	664000	106@0	CP_64QAM	13.16	1.7	14.86	30.62	1000	PASS
n77(3700-3980)	30	40	664000	53@26	CP_64QAM	13.2	1.7	14.9	30.9	1000	PASS
n77(3700-3980)	30	40	664000	1@1	CP_64QAM	12.77	1.7	14.47	27.99	1000	PASS
n77(3700-3980)	30	40	664000	1@104	CP_64QAM	12.92	1.7	14.62	28.97	1000	PASS
n77(3700-3980)	30	40	664000	106@0	CP_256QAM	10.12	1.7	11.82	15.21	1000	PASS
n77(3700-3980)	30	40	664000	53@26	CP_256QAM	10.16	1.7	11.86	15.35	1000	PASS
n77(3700-3980)	30	40	664000	1@1	CP_256QAM	10.04	1.7	11.74	14.93	1000	PASS
n77(3700-3980)	30	40	664000	1@104	CP_256QAM	10.18	1.7	11.88	15.42	1000	PASS
n77(3700-3980)	30	50	648334	128@0	DFT_BPSK	16.39	1.7	18.09	64.42	1000	PASS
n77(3700-3980)	30	50	648334	64@32	DFT_BPSK	16.97	1.7	18.67	73.62	1000	PASS
n77(3700-3980)	30	50	648334	1@1	DFT_BPSK	16.79	1.7	18.49	70.63	1000	PASS
n77(3700-3980)	30	50	648334	1@131	DFT_BPSK	16.83	1.7	18.53	71.29	1000	PASS
n77(3700-3980)	30	50	648334	128@0	DFT_QPSK	15.9	1.7	17.6	57.54	1000	PASS
n77(3700-3980)	30	50	648334	64@32	DFT_QPSK	16.92	1.7	18.62	72.78	1000	PASS
n77(3700-3980)	30	50	648334	1@1	DFT_QPSK	16.82	1.7	18.52	71.12	1000	PASS
n77(3700-3980)	30	50	648334	1@131	DFT_QPSK	16.87	1.7	18.57	71.94	1000	PASS
n77(3700-3980)	30	50	648334	128@0	DFT_16QAM	14.93	1.7	16.63	46.03	1000	PASS
n77(3700-3980)	30	50	648334	64@32	DFT_16QAM	15.83	1.7	17.53	56.62	1000	PASS
n77(3700-3980)	30	50	648334	1@1	DFT_16QAM	15.68	1.7	17.38	54.7	1000	PASS
n77(3700-3980)	30	50	648334	1@131	DFT_16QAM	15.69	1.7	17.39	54.83	1000	PASS
n77(3700-3980)	30	50	648334	128@0	DFT_64QAM	14.42	1.7	16.12	40.93	1000	PASS
n77(3700-3980)	30	50	648334	64@32	DFT_64QAM	14.42	1.7	16.12	40.93	1000	PASS
n77(3700-3980)	30	50	648334	1@1	DFT_64QAM	14.2	1.7	15.9	38.9	1000	PASS
n77(3700-3980)	30	50	648334	1@131	DFT_64QAM	14.21	1.7	15.91	38.99	1000	PASS
n77(3700-3980)	30	50	648334	128@0	DFT_256QAM	12.4	1.7	14.1	25.7	1000	PASS
n77(3700-3980)	30	50	648334	64@32	DFT_256QAM	12.39	1.7	14.09	25.64	1000	PASS
n77(3700-3980)	30	50	648334	1@1	DFT_256QAM	12.19	1.7	13.89	24.49	1000	PASS
n77(3700-3980)	30	50	648334	1@131	DFT_256QAM	12.22	1.7	13.92	24.66	1000	PASS
n77(3700-3980)	30	50	648334	133@0	CP_QPSK	13.9	1.7	15.6	36.31	1000	PASS
n77(3700-3980)	30	50	648334	67@33	CP_QPSK	15.38	1.7	17.08	51.05	1000	PASS
n77(3700-3980)	30	50	648334	1@1	CP_QPSK	15.35	1.7	17.05	50.7	1000	PASS
n77(3700-3980)	30	50	648334	1@131	CP_QPSK	15.36	1.7	17.06	50.82	1000	PASS
n77(3700-3980)	30	50	648334	133@0	CP_16QAM	13.88	1.7	15.58	36.14	1000	PASS
n77(3700-3980)	30	50	648334	67@33	CP_16QAM	14.92	1.7	16.62	45.92	1000	PASS
n77(3700-3980)	30	50	648334	1@1	CP_16QAM	14.74	1.7	16.44	44.06	1000	PASS
n77(3700-3980)	30	50	648334	1@131	CP_16QAM	14.71	1.7	16.41	43.75	1000	PASS
n77(3700-3980)	30	50	648334	133@0	CP_64QAM	13.38	1.7	15.08	32.21	1000	PASS
n77(3700-3980)	30	50	648334	67@33	CP_64QAM	13.39	1.7	15.09	32.28	1000	PASS
n77(3700-3980)	30	50	648334	1@1	CP_64QAM	13	1.7	14.7	29.51	1000	PASS
n77(3700-3980)	30	50	648334	1@131	CP_64QAM	12.97	1.7	14.67	29.31	1000	PASS

n77(3700-3980)	30	50	648334	133@0	CP_256QAM	10.37	1.7	12.07	16.11	1000	PASS
n77(3700-3980)	30	50	648334	67@33	CP_256QAM	10.37	1.7	12.07	16.11	1000	PASS
n77(3700-3980)	30	50	648334	1@1	CP_256QAM	10.25	1.7	11.95	15.67	1000	PASS
n77(3700-3980)	30	50	648334	1@131	CP_256QAM	10.25	1.7	11.95	15.67	1000	PASS
n77(3700-3980)	30	50	656000	128@0	DFT_BPSK	16.48	1.7	18.18	65.77	1000	PASS
n77(3700-3980)	30	50	656000	64@32	DFT_BPSK	17.07	1.7	18.77	75.34	1000	PASS
n77(3700-3980)	30	50	656000	1@1	DFT_BPSK	16.57	1.7	18.27	67.14	1000	PASS
n77(3700-3980)	30	50	656000	1@131	DFT_BPSK	17.21	1.7	18.91	77.8	1000	PASS
n77(3700-3980)	30	50	656000	128@0	DFT_QPSK	16	1.7	17.7	58.88	1000	PASS
n77(3700-3980)	30	50	656000	64@32	DFT_QPSK	17.03	1.7	18.73	74.64	1000	PASS
n77(3700-3980)	30	50	656000	1@1	DFT_QPSK	16.54	1.7	18.24	66.68	1000	PASS
n77(3700-3980)	30	50	656000	1@131	DFT_QPSK	17.2	1.7	18.9	77.62	1000	PASS
n77(3700-3980)	30	50	656000	128@0	DFT_16QAM	15.05	1.7	16.75	47.32	1000	PASS
n77(3700-3980)	30	50	656000	64@32	DFT_16QAM	15.95	1.7	17.65	58.21	1000	PASS
n77(3700-3980)	30	50	656000	1@1	DFT_16QAM	15.39	1.7	17.09	51.17	1000	PASS
n77(3700-3980)	30	50	656000	1@131	DFT_16QAM	16.06	1.7	17.76	59.7	1000	PASS
n77(3700-3980)	30	50	656000	128@0	DFT_64QAM	14.52	1.7	16.22	41.88	1000	PASS
n77(3700-3980)	30	50	656000	64@32	DFT_64QAM	14.53	1.7	16.23	41.98	1000	PASS
n77(3700-3980)	30	50	656000	1@1	DFT_64QAM	14.06	1.7	15.76	37.67	1000	PASS
n77(3700-3980)	30	50	656000	1@131	DFT_64QAM	14.62	1.7	16.32	42.85	1000	PASS
n77(3700-3980)	30	50	656000	128@0	DFT_256QAM	12.51	1.7	14.21	26.36	1000	PASS
n77(3700-3980)	30	50	656000	64@32	DFT_256QAM	12.51	1.7	14.21	26.36	1000	PASS
n77(3700-3980)	30	50	656000	1@1	DFT_256QAM	12.06	1.7	13.76	23.77	1000	PASS
n77(3700-3980)	30	50	656000	1@131	DFT_256QAM	12.64	1.7	14.34	27.16	1000	PASS
n77(3700-3980)	30	50	656000	133@0	CP_QPSK	14.02	1.7	15.72	37.33	1000	PASS
n77(3700-3980)	30	50	656000	67@33	CP_QPSK	15.5	1.7	17.2	52.48	1000	PASS
n77(3700-3980)	30	50	656000	1@1	CP_QPSK	15.06	1.7	16.76	47.42	1000	PASS
n77(3700-3980)	30	50	656000	1@131	CP_QPSK	15.71	1.7	17.41	55.08	1000	PASS
n77(3700-3980)	30	50	656000	133@0	CP_16QAM	14.01	1.7	15.71	37.24	1000	PASS
n77(3700-3980)	30	50	656000	67@33	CP_16QAM	15.08	1.7	16.78	47.64	1000	PASS
n77(3700-3980)	30	50	656000	1@1	CP_16QAM	14.64	1.7	16.34	43.05	1000	PASS
n77(3700-3980)	30	50	656000	1@131	CP_16QAM	15.13	1.7	16.83	48.19	1000	PASS
n77(3700-3980)	30	50	656000	133@0	CP_64QAM	13.51	1.7	15.21	33.19	1000	PASS
n77(3700-3980)	30	50	656000	67@33	CP_64QAM	13.56	1.7	15.26	33.57	1000	PASS
n77(3700-3980)	30	50	656000	1@1	CP_64QAM	12.9	1.7	14.6	28.84	1000	PASS
n77(3700-3980)	30	50	656000	1@131	CP_64QAM	13.44	1.7	15.14	32.66	1000	PASS
n77(3700-3980)	30	50	656000	133@0	CP_256QAM	10.5	1.7	12.2	16.6	1000	PASS
n77(3700-3980)	30	50	656000	67@33	CP_256QAM	10.47	1.7	12.17	16.48	1000	PASS
n77(3700-3980)	30	50	656000	1@1	CP_256QAM	10.15	1.7	11.85	15.31	1000	PASS
n77(3700-3980)	30	50	656000	1@131	CP_256QAM	10.67	1.7	12.37	17.26	1000	PASS
n77(3700-3980)	30	50	663666	128@0	DFT_BPSK	16.23	1.7	17.93	62.09	1000	PASS
n77(3700-3980)	30	50	663666	64@32	DFT_BPSK	16.77	1.7	18.47	70.31	1000	PASS
n77(3700-3980)	30	50	663666	1@1	DFT_BPSK	16.5	1.7	18.2	66.07	1000	PASS

n77(3700-3980)	30	50	663666	1@131	DFT_BPSK	16.63	1.7	18.33	68.08	1000	PASS
n77(3700-3980)	30	50	663666	128@0	DFT_QPSK	15.73	1.7	17.43	55.34	1000	PASS
n77(3700-3980)	30	50	663666	64@32	DFT_QPSK	16.75	1.7	18.45	69.98	1000	PASS
n77(3700-3980)	30	50	663666	1@1	DFT_QPSK	16.59	1.7	18.29	67.45	1000	PASS
n77(3700-3980)	30	50	663666	1@131	DFT_QPSK	16.71	1.7	18.41	69.34	1000	PASS
n77(3700-3980)	30	50	663666	128@0	DFT_16QAM	14.62	1.7	16.32	42.85	1000	PASS
n77(3700-3980)	30	50	663666	64@32	DFT_16QAM	15.66	1.7	17.36	54.45	1000	PASS
n77(3700-3980)	30	50	663666	1@1	DFT_16QAM	15.42	1.7	17.12	51.52	1000	PASS
n77(3700-3980)	30	50	663666	1@131	DFT_16QAM	15.52	1.7	17.22	52.72	1000	PASS
n77(3700-3980)	30	50	663666	128@0	DFT_64QAM	14.13	1.7	15.83	38.28	1000	PASS
n77(3700-3980)	30	50	663666	64@32	DFT_64QAM	14.12	1.7	15.82	38.19	1000	PASS
n77(3700-3980)	30	50	663666	1@1	DFT_64QAM	13.84	1.7	15.54	35.81	1000	PASS
n77(3700-3980)	30	50	663666	1@131	DFT_64QAM	13.97	1.7	15.67	36.9	1000	PASS
n77(3700-3980)	30	50	663666	128@0	DFT_256QAM	12.13	1.7	13.83	24.15	1000	PASS
n77(3700-3980)	30	50	663666	64@32	DFT_256QAM	12.11	1.7	13.81	24.04	1000	PASS
n77(3700-3980)	30	50	663666	1@1	DFT_256QAM	11.88	1.7	13.58	22.8	1000	PASS
n77(3700-3980)	30	50	663666	1@131	DFT_256QAM	12.03	1.7	13.73	23.6	1000	PASS
n77(3700-3980)	30	50	663666	133@0	CP_QPSK	13.62	1.7	15.32	34.04	1000	PASS
n77(3700-3980)	30	50	663666	67@33	CP_QPSK	15.22	1.7	16.92	49.2	1000	PASS
n77(3700-3980)	30	50	663666	1@1	CP_QPSK	15.11	1.7	16.81	47.97	1000	PASS
n77(3700-3980)	30	50	663666	1@131	CP_QPSK	15.19	1.7	16.89	48.87	1000	PASS
n77(3700-3980)	30	50	663666	133@0	CP_16QAM	13.6	1.7	15.3	33.88	1000	PASS
n77(3700-3980)	30	50	663666	67@33	CP_16QAM	14.66	1.7	16.36	43.25	1000	PASS
n77(3700-3980)	30	50	663666	1@1	CP_16QAM	14.37	1.7	16.07	40.46	1000	PASS
n77(3700-3980)	30	50	663666	1@131	CP_16QAM	14.54	1.7	16.24	42.07	1000	PASS
n77(3700-3980)	30	50	663666	133@0	CP_64QAM	13.12	1.7	14.82	30.34	1000	PASS
n77(3700-3980)	30	50	663666	67@33	CP_64QAM	13.07	1.7	14.77	29.99	1000	PASS
n77(3700-3980)	30	50	663666	1@1	CP_64QAM	12.67	1.7	14.37	27.35	1000	PASS
n77(3700-3980)	30	50	663666	1@131	CP_64QAM	12.83	1.7	14.53	28.38	1000	PASS
n77(3700-3980)	30	50	663666	133@0	CP_256QAM	10.08	1.7	11.78	15.07	1000	PASS
n77(3700-3980)	30	50	663666	67@33	CP_256QAM	10.09	1.7	11.79	15.1	1000	PASS
n77(3700-3980)	30	50	663666	1@1	CP_256QAM	9.9	1.7	11.6	14.45	1000	PASS
n77(3700-3980)	30	50	663666	1@131	CP_256QAM	10.08	1.7	11.78	15.07	1000	PASS
n77(3700-3980)	30	60	648668	162@0	DFT_BPSK	16.34	1.7	18.04	63.68	1000	PASS
n77(3700-3980)	30	60	648668	81@40	DFT_BPSK	16.84	1.7	18.54	71.45	1000	PASS
n77(3700-3980)	30	60	648668	1@1	DFT_BPSK	16.67	1.7	18.37	68.71	1000	PASS
n77(3700-3980)	30	60	648668	1@160	DFT_BPSK	16.76	1.7	18.46	70.15	1000	PASS
n77(3700-3980)	30	60	648668	162@0	DFT_QPSK	15.82	1.7	17.52	56.49	1000	PASS
n77(3700-3980)	30	60	648668	81@40	DFT_QPSK	16.85	1.7	18.55	71.61	1000	PASS
n77(3700-3980)	30	60	648668	1@1	DFT_QPSK	16.71	1.7	18.41	69.34	1000	PASS
n77(3700-3980)	30	60	648668	1@160	DFT_QPSK	16.8	1.7	18.5	70.79	1000	PASS
n77(3700-3980)	30	60	648668	162@0	DFT_16QAM	14.83	1.7	16.53	44.98	1000	PASS
n77(3700-3980)	30	60	648668	81@40	DFT_16QAM	15.87	1.7	17.57	57.15	1000	PASS

n77(3700-3980)	30	60	648668	1@1	DFT_16QAM	15.51	1.7	17.21	52.6	1000	PASS
n77(3700-3980)	30	60	648668	1@160	DFT_16QAM	15.61	1.7	17.31	53.83	1000	PASS
n77(3700-3980)	30	60	648668	162@0	DFT_64QAM	14.35	1.7	16.05	40.27	1000	PASS
n77(3700-3980)	30	60	648668	81@40	DFT_64QAM	14.39	1.7	16.09	40.64	1000	PASS
n77(3700-3980)	30	60	648668	1@1	DFT_64QAM	14.13	1.7	15.83	38.28	1000	PASS
n77(3700-3980)	30	60	648668	1@160	DFT_64QAM	14.22	1.7	15.92	39.08	1000	PASS
n77(3700-3980)	30	60	648668	162@0	DFT_256QAM	12.34	1.7	14.04	25.35	1000	PASS
n77(3700-3980)	30	60	648668	81@40	DFT_256QAM	12.35	1.7	14.05	25.41	1000	PASS
n77(3700-3980)	30	60	648668	1@1	DFT_256QAM	12.15	1.7	13.85	24.27	1000	PASS
n77(3700-3980)	30	60	648668	1@160	DFT_256QAM	12.22	1.7	13.92	24.66	1000	PASS
n77(3700-3980)	30	60	648668	162@0	CP_QPSK	13.83	1.7	15.53	35.73	1000	PASS
n77(3700-3980)	30	60	648668	81@40	CP_QPSK	15.33	1.7	17.03	50.47	1000	PASS
n77(3700-3980)	30	60	648668	1@1	CP_QPSK	15.22	1.7	16.92	49.2	1000	PASS
n77(3700-3980)	30	60	648668	1@160	CP_QPSK	15.25	1.7	16.95	49.55	1000	PASS
n77(3700-3980)	30	60	648668	162@0	CP_16QAM	13.83	1.7	15.53	35.73	1000	PASS
n77(3700-3980)	30	60	648668	81@40	CP_16QAM	14.86	1.7	16.56	45.29	1000	PASS
n77(3700-3980)	30	60	648668	1@1	CP_16QAM	14.69	1.7	16.39	43.55	1000	PASS
n77(3700-3980)	30	60	648668	1@160	CP_16QAM	14.7	1.7	16.4	43.65	1000	PASS
n77(3700-3980)	30	60	648668	162@0	CP_64QAM	13.35	1.7	15.05	31.99	1000	PASS
n77(3700-3980)	30	60	648668	81@40	CP_64QAM	13.34	1.7	15.04	31.92	1000	PASS
n77(3700-3980)	30	60	648668	1@1	CP_64QAM	12.94	1.7	14.64	29.11	1000	PASS
n77(3700-3980)	30	60	648668	1@160	CP_64QAM	13	1.7	14.7	29.51	1000	PASS
n77(3700-3980)	30	60	648668	162@0	CP_256QAM	10.33	1.7	12.03	15.96	1000	PASS
n77(3700-3980)	30	60	648668	81@40	CP_256QAM	10.32	1.7	12.02	15.92	1000	PASS
n77(3700-3980)	30	60	648668	1@1	CP_256QAM	10.23	1.7	11.93	15.6	1000	PASS
n77(3700-3980)	30	60	648668	1@160	CP_256QAM	10.27	1.7	11.97	15.74	1000	PASS
n77(3700-3980)	30	60	656000	162@0	DFT_BPSK	16.51	1.7	18.21	66.22	1000	PASS
n77(3700-3980)	30	60	656000	81@40	DFT_BPSK	16.98	1.7	18.68	73.79	1000	PASS
n77(3700-3980)	30	60	656000	1@1	DFT_BPSK	16.49	1.7	18.19	65.92	1000	PASS
n77(3700-3980)	30	60	656000	1@160	DFT_BPSK	17.26	1.7	18.96	78.7	1000	PASS
n77(3700-3980)	30	60	656000	162@0	DFT_QPSK	16.01	1.7	17.71	59.02	1000	PASS
n77(3700-3980)	30	60	656000	81@40	DFT_QPSK	17	1.7	18.7	74.13	1000	PASS
n77(3700-3980)	30	60	656000	1@1	DFT_QPSK	16.49	1.7	18.19	65.92	1000	PASS
n77(3700-3980)	30	60	656000	1@160	DFT_QPSK	17.28	1.7	18.98	79.07	1000	PASS
n77(3700-3980)	30	60	656000	162@0	DFT_16QAM	15	1.7	16.7	46.77	1000	PASS
n77(3700-3980)	30	60	656000	81@40	DFT_16QAM	16.01	1.7	17.71	59.02	1000	PASS
n77(3700-3980)	30	60	656000	1@1	DFT_16QAM	15.31	1.7	17.01	50.23	1000	PASS
n77(3700-3980)	30	60	656000	1@160	DFT_16QAM	16.12	1.7	17.82	60.53	1000	PASS
n77(3700-3980)	30	60	656000	162@0	DFT_64QAM	14.51	1.7	16.21	41.78	1000	PASS
n77(3700-3980)	30	60	656000	81@40	DFT_64QAM	14.55	1.7	16.25	42.17	1000	PASS
n77(3700-3980)	30	60	656000	1@1	DFT_64QAM	14.02	1.7	15.72	37.33	1000	PASS
n77(3700-3980)	30	60	656000	1@160	DFT_64QAM	14.65	1.7	16.35	43.15	1000	PASS
n77(3700-3980)	30	60	656000	162@0	DFT_256QAM	12.45	1.7	14.15	26	1000	PASS

n77(3700-3980)	30	60	656000	81@40	DFT_256QAM	12.49	1.7	14.19	26.24	1000	PASS
n77(3700-3980)	30	60	656000	1@1	DFT_256QAM	12.01	1.7	13.71	23.5	1000	PASS
n77(3700-3980)	30	60	656000	1@160	DFT_256QAM	12.66	1.7	14.36	27.29	1000	PASS
n77(3700-3980)	30	60	656000	162@0	CP_QPSK	14.03	1.7	15.73	37.41	1000	PASS
n77(3700-3980)	30	60	656000	81@40	CP_QPSK	15.48	1.7	17.18	52.24	1000	PASS
n77(3700-3980)	30	60	656000	1@1	CP_QPSK	15.03	1.7	16.73	47.1	1000	PASS
n77(3700-3980)	30	60	656000	1@160	CP_QPSK	15.79	1.7	17.49	56.1	1000	PASS
n77(3700-3980)	30	60	656000	162@0	CP_16QAM	14.01	1.7	15.71	37.24	1000	PASS
n77(3700-3980)	30	60	656000	81@40	CP_16QAM	15.01	1.7	16.71	46.88	1000	PASS
n77(3700-3980)	30	60	656000	1@1	CP_16QAM	14.53	1.7	16.23	41.98	1000	PASS
n77(3700-3980)	30	60	656000	1@160	CP_16QAM	15.16	1.7	16.86	48.53	1000	PASS
n77(3700-3980)	30	60	656000	162@0	CP_64QAM	13.5	1.7	15.2	33.11	1000	PASS
n77(3700-3980)	30	60	656000	81@40	CP_64QAM	13.53	1.7	15.23	33.34	1000	PASS
n77(3700-3980)	30	60	656000	1@1	CP_64QAM	12.83	1.7	14.53	28.38	1000	PASS
n77(3700-3980)	30	60	656000	1@160	CP_64QAM	13.47	1.7	15.17	32.89	1000	PASS
n77(3700-3980)	30	60	656000	162@0	CP_256QAM	10.51	1.7	12.21	16.63	1000	PASS
n77(3700-3980)	30	60	656000	81@40	CP_256QAM	10.46	1.7	12.16	16.44	1000	PASS
n77(3700-3980)	30	60	656000	1@1	CP_256QAM	10.1	1.7	11.8	15.14	1000	PASS
n77(3700-3980)	30	60	656000	1@160	CP_256QAM	10.73	1.7	12.43	17.5	1000	PASS
n77(3700-3980)	30	60	663332	162@0	DFT_BPSK	16.25	1.7	17.95	62.37	1000	PASS
n77(3700-3980)	30	60	663332	81@40	DFT_BPSK	16.76	1.7	18.46	70.15	1000	PASS
n77(3700-3980)	30	60	663332	1@1	DFT_BPSK	16.57	1.7	18.27	67.14	1000	PASS
n77(3700-3980)	30	60	663332	1@160	DFT_BPSK	16.63	1.7	18.33	68.08	1000	PASS
n77(3700-3980)	30	60	663332	162@0	DFT_QPSK	15.72	1.7	17.42	55.21	1000	PASS
n77(3700-3980)	30	60	663332	81@40	DFT_QPSK	16.74	1.7	18.44	69.82	1000	PASS
n77(3700-3980)	30	60	663332	1@1	DFT_QPSK	16.57	1.7	18.27	67.14	1000	PASS
n77(3700-3980)	30	60	663332	1@160	DFT_QPSK	16.67	1.7	18.37	68.71	1000	PASS
n77(3700-3980)	30	60	663332	162@0	DFT_16QAM	14.6	1.7	16.3	42.66	1000	PASS
n77(3700-3980)	30	60	663332	81@40	DFT_16QAM	15.69	1.7	17.39	54.83	1000	PASS
n77(3700-3980)	30	60	663332	1@1	DFT_16QAM	15.37	1.7	17.07	50.93	1000	PASS
n77(3700-3980)	30	60	663332	1@160	DFT_16QAM	15.49	1.7	17.19	52.36	1000	PASS
n77(3700-3980)	30	60	663332	162@0	DFT_64QAM	14.11	1.7	15.81	38.11	1000	PASS
n77(3700-3980)	30	60	663332	81@40	DFT_64QAM	14.17	1.7	15.87	38.64	1000	PASS
n77(3700-3980)	30	60	663332	1@1	DFT_64QAM	13.87	1.7	15.57	36.06	1000	PASS
n77(3700-3980)	30	60	663332	1@160	DFT_64QAM	14	1.7	15.7	37.15	1000	PASS
n77(3700-3980)	30	60	663332	162@0	DFT_256QAM	12.06	1.7	13.76	23.77	1000	PASS
n77(3700-3980)	30	60	663332	81@40	DFT_256QAM	12.11	1.7	13.81	24.04	1000	PASS
n77(3700-3980)	30	60	663332	1@1	DFT_256QAM	11.9	1.7	13.6	22.91	1000	PASS
n77(3700-3980)	30	60	663332	1@160	DFT_256QAM	12.03	1.7	13.73	23.6	1000	PASS
n77(3700-3980)	30	60	663332	162@0	CP_QPSK	13.57	1.7	15.27	33.65	1000	PASS
n77(3700-3980)	30	60	663332	81@40	CP_QPSK	15.19	1.7	16.89	48.87	1000	PASS
n77(3700-3980)	30	60	663332	1@1	CP_QPSK	15.09	1.7	16.79	47.75	1000	PASS
n77(3700-3980)	30	60	663332	1@160	CP_QPSK	15.17	1.7	16.87	48.64	1000	PASS

n77(3700-3980)	30	60	663332	162@0	CP_16QAM	13.57	1.7	15.27	33.65	1000	PASS
n77(3700-3980)	30	60	663332	81@40	CP_16QAM	14.61	1.7	16.31	42.76	1000	PASS
n77(3700-3980)	30	60	663332	1@1	CP_16QAM	14.43	1.7	16.13	41.02	1000	PASS
n77(3700-3980)	30	60	663332	1@160	CP_16QAM	14.52	1.7	16.22	41.88	1000	PASS
n77(3700-3980)	30	60	663332	162@0	CP_64QAM	13.08	1.7	14.78	30.06	1000	PASS
n77(3700-3980)	30	60	663332	81@40	CP_64QAM	13.09	1.7	14.79	30.13	1000	PASS
n77(3700-3980)	30	60	663332	1@1	CP_64QAM	12.7	1.7	14.4	27.54	1000	PASS
n77(3700-3980)	30	60	663332	1@160	CP_64QAM	12.8	1.7	14.5	28.18	1000	PASS
n77(3700-3980)	30	60	663332	162@0	CP_256QAM	10.06	1.7	11.76	15	1000	PASS
n77(3700-3980)	30	60	663332	81@40	CP_256QAM	10.09	1.7	11.79	15.1	1000	PASS
n77(3700-3980)	30	60	663332	1@1	CP_256QAM	9.96	1.7	11.66	14.66	1000	PASS
n77(3700-3980)	30	60	663332	1@160	CP_256QAM	10.07	1.7	11.77	15.03	1000	PASS
n77(3700-3980)	30	70	649000	180@0	DFT_BPSK	16.6	1.7	18.3	67.61	1000	PASS
n77(3700-3980)	30	70	649000	90@45	DFT_BPSK	17.05	1.7	18.75	74.99	1000	PASS
n77(3700-3980)	30	70	649000	1@1	DFT_BPSK	17	1.7	18.7	74.13	1000	PASS
n77(3700-3980)	30	70	649000	1@187	DFT_BPSK	17.09	1.7	18.79	75.68	1000	PASS
n77(3700-3980)	30	70	649000	180@0	DFT_QPSK	16.07	1.7	17.77	59.84	1000	PASS
n77(3700-3980)	30	70	649000	90@45	DFT_QPSK	17.12	1.7	18.82	76.21	1000	PASS
n77(3700-3980)	30	70	649000	1@1	DFT_QPSK	17.03	1.7	18.73	74.64	1000	PASS
n77(3700-3980)	30	70	649000	1@187	DFT_QPSK	17.09	1.7	18.79	75.68	1000	PASS
n77(3700-3980)	30	70	649000	180@0	DFT_16QAM	15.15	1.7	16.85	48.42	1000	PASS
n77(3700-3980)	30	70	649000	90@45	DFT_16QAM	16.07	1.7	17.77	59.84	1000	PASS
n77(3700-3980)	30	70	649000	1@1	DFT_16QAM	15.85	1.7	17.55	56.89	1000	PASS
n77(3700-3980)	30	70	649000	1@187	DFT_16QAM	15.95	1.7	17.65	58.21	1000	PASS
n77(3700-3980)	30	70	649000	180@0	DFT_64QAM	14.66	1.7	16.36	43.25	1000	PASS
n77(3700-3980)	30	70	649000	90@45	DFT_64QAM	14.67	1.7	16.37	43.35	1000	PASS
n77(3700-3980)	30	70	649000	1@1	DFT_64QAM	14.46	1.7	16.16	41.3	1000	PASS
n77(3700-3980)	30	70	649000	1@187	DFT_64QAM	14.56	1.7	16.26	42.27	1000	PASS
n77(3700-3980)	30	70	649000	180@0	DFT_256QAM	12.66	1.7	14.36	27.29	1000	PASS
n77(3700-3980)	30	70	649000	90@45	DFT_256QAM	12.66	1.7	14.36	27.29	1000	PASS
n77(3700-3980)	30	70	649000	1@1	DFT_256QAM	12.44	1.7	14.14	25.94	1000	PASS
n77(3700-3980)	30	70	649000	1@187	DFT_256QAM	12.59	1.7	14.29	26.85	1000	PASS
n77(3700-3980)	30	70	649000	189@0	CP_QPSK	14.17	1.7	15.87	38.64	1000	PASS
n77(3700-3980)	30	70	649000	95@47	CP_QPSK	15.58	1.7	17.28	53.46	1000	PASS
n77(3700-3980)	30	70	649000	1@1	CP_QPSK	15.54	1.7	17.24	52.97	1000	PASS
n77(3700-3980)	30	70	649000	1@187	CP_QPSK	15.65	1.7	17.35	54.33	1000	PASS
n77(3700-3980)	30	70	649000	189@0	CP_16QAM	14.16	1.7	15.86	38.55	1000	PASS
n77(3700-3980)	30	70	649000	95@47	CP_16QAM	15.18	1.7	16.88	48.75	1000	PASS
n77(3700-3980)	30	70	649000	1@1	CP_16QAM	14.97	1.7	16.67	46.45	1000	PASS
n77(3700-3980)	30	70	649000	1@187	CP_16QAM	15.1	1.7	16.8	47.86	1000	PASS
n77(3700-3980)	30	70	649000	189@0	CP_64QAM	13.67	1.7	15.37	34.43	1000	PASS
n77(3700-3980)	30	70	649000	95@47	CP_64QAM	13.65	1.7	15.35	34.28	1000	PASS
n77(3700-3980)	30	70	649000	1@1	CP_64QAM	13.26	1.7	14.96	31.33	1000	PASS

n77(3700-3980)	30	70	649000	1@187	CP_64QAM	13.4	1.7	15.1	32.36	1000	PASS
n77(3700-3980)	30	70	649000	189@0	CP_256QAM	10.67	1.7	12.37	17.26	1000	PASS
n77(3700-3980)	30	70	649000	95@47	CP_256QAM	10.62	1.7	12.32	17.06	1000	PASS
n77(3700-3980)	30	70	649000	1@1	CP_256QAM	10.5	1.7	12.2	16.6	1000	PASS
n77(3700-3980)	30	70	649000	1@187	CP_256QAM	10.64	1.7	12.34	17.14	1000	PASS
n77(3700-3980)	30	70	656000	180@0	DFT_BPSK	16.61	1.7	18.31	67.76	1000	PASS
n77(3700-3980)	30	70	656000	90@45	DFT_BPSK	17.06	1.7	18.76	75.16	1000	PASS
n77(3700-3980)	30	70	656000	1@1	DFT_BPSK	16.58	1.7	18.28	67.3	1000	PASS
n77(3700-3980)	30	70	656000	1@187	DFT_BPSK	17.39	1.7	19.09	81.1	1000	PASS
n77(3700-3980)	30	70	656000	180@0	DFT_QPSK	16.08	1.7	17.78	59.98	1000	PASS
n77(3700-3980)	30	70	656000	90@45	DFT_QPSK	17.05	1.7	18.75	74.99	1000	PASS
n77(3700-3980)	30	70	656000	1@1	DFT_QPSK	16.6	1.7	18.3	67.61	1000	PASS
n77(3700-3980)	30	70	656000	1@187	DFT_QPSK	17.41	1.7	19.11	81.47	1000	PASS
n77(3700-3980)	30	70	656000	180@0	DFT_16QAM	15.12	1.7	16.82	48.08	1000	PASS
n77(3700-3980)	30	70	656000	90@45	DFT_16QAM	16.05	1.7	17.75	59.57	1000	PASS
n77(3700-3980)	30	70	656000	1@1	DFT_16QAM	15.44	1.7	17.14	51.76	1000	PASS
n77(3700-3980)	30	70	656000	1@187	DFT_16QAM	16.22	1.7	17.92	61.94	1000	PASS
n77(3700-3980)	30	70	656000	180@0	DFT_64QAM	14.6	1.7	16.3	42.66	1000	PASS
n77(3700-3980)	30	70	656000	90@45	DFT_64QAM	14.62	1.7	16.32	42.85	1000	PASS
n77(3700-3980)	30	70	656000	1@1	DFT_64QAM	14.1	1.7	15.8	38.02	1000	PASS
n77(3700-3980)	30	70	656000	1@187	DFT_64QAM	14.81	1.7	16.51	44.77	1000	PASS
n77(3700-3980)	30	70	656000	180@0	DFT_256QAM	12.62	1.7	14.32	27.04	1000	PASS
n77(3700-3980)	30	70	656000	90@45	DFT_256QAM	12.59	1.7	14.29	26.85	1000	PASS
n77(3700-3980)	30	70	656000	1@1	DFT_256QAM	12.11	1.7	13.81	24.04	1000	PASS
n77(3700-3980)	30	70	656000	1@187	DFT_256QAM	12.77	1.7	14.47	27.99	1000	PASS
n77(3700-3980)	30	70	656000	189@0	CP_QPSK	14.15	1.7	15.85	38.46	1000	PASS
n77(3700-3980)	30	70	656000	95@47	CP_QPSK	15.57	1.7	17.27	53.33	1000	PASS
n77(3700-3980)	30	70	656000	1@1	CP_QPSK	15.16	1.7	16.86	48.53	1000	PASS
n77(3700-3980)	30	70	656000	1@187	CP_QPSK	15.94	1.7	17.64	58.08	1000	PASS
n77(3700-3980)	30	70	656000	189@0	CP_16QAM	14.15	1.7	15.85	38.46	1000	PASS
n77(3700-3980)	30	70	656000	95@47	CP_16QAM	15.17	1.7	16.87	48.64	1000	PASS
n77(3700-3980)	30	70	656000	1@1	CP_16QAM	14.66	1.7	16.36	43.25	1000	PASS
n77(3700-3980)	30	70	656000	1@187	CP_16QAM	15.37	1.7	17.07	50.93	1000	PASS
n77(3700-3980)	30	70	656000	189@0	CP_64QAM	13.63	1.7	15.33	34.12	1000	PASS
n77(3700-3980)	30	70	656000	95@47	CP_64QAM	13.62	1.7	15.32	34.04	1000	PASS
n77(3700-3980)	30	70	656000	1@1	CP_64QAM	12.97	1.7	14.67	29.31	1000	PASS
n77(3700-3980)	30	70	656000	1@187	CP_64QAM	13.64	1.7	15.34	34.2	1000	PASS
n77(3700-3980)	30	70	656000	189@0	CP_256QAM	10.61	1.7	12.31	17.02	1000	PASS
n77(3700-3980)	30	70	656000	95@47	CP_256QAM	10.58	1.7	12.28	16.9	1000	PASS
n77(3700-3980)	30	70	656000	1@1	CP_256QAM	10.16	1.7	11.86	15.35	1000	PASS
n77(3700-3980)	30	70	656000	1@187	CP_256QAM	10.85	1.7	12.55	17.99	1000	PASS
n77(3700-3980)	30	70	663000	180@0	DFT_BPSK	16.36	1.7	18.06	63.97	1000	PASS
n77(3700-3980)	30	70	663000	90@45	DFT_BPSK	16.84	1.7	18.54	71.45	1000	PASS

n77(3700-3980)	30	70	663000	1@1	DFT_BPSK	16.72	1.7	18.42	69.5	1000	PASS
n77(3700-3980)	30	70	663000	1@187	DFT_BPSK	16.82	1.7	18.52	71.12	1000	PASS
n77(3700-3980)	30	70	663000	180@0	DFT_QPSK	15.86	1.7	17.56	57.02	1000	PASS
n77(3700-3980)	30	70	663000	90@45	DFT_QPSK	16.85	1.7	18.55	71.61	1000	PASS
n77(3700-3980)	30	70	663000	1@1	DFT_QPSK	16.76	1.7	18.46	70.15	1000	PASS
n77(3700-3980)	30	70	663000	1@187	DFT_QPSK	16.85	1.7	18.55	71.61	1000	PASS
n77(3700-3980)	30	70	663000	180@0	DFT_16QAM	14.75	1.7	16.45	44.16	1000	PASS
n77(3700-3980)	30	70	663000	90@45	DFT_16QAM	15.86	1.7	17.56	57.02	1000	PASS
n77(3700-3980)	30	70	663000	1@1	DFT_16QAM	15.57	1.7	17.27	53.33	1000	PASS
n77(3700-3980)	30	70	663000	1@187	DFT_16QAM	15.71	1.7	17.41	55.08	1000	PASS
n77(3700-3980)	30	70	663000	180@0	DFT_64QAM	14.24	1.7	15.94	39.26	1000	PASS
n77(3700-3980)	30	70	663000	90@45	DFT_64QAM	14.26	1.7	15.96	39.45	1000	PASS
n77(3700-3980)	30	70	663000	1@1	DFT_64QAM	14.1	1.7	15.8	38.02	1000	PASS
n77(3700-3980)	30	70	663000	1@187	DFT_64QAM	14.11	1.7	15.81	38.11	1000	PASS
n77(3700-3980)	30	70	663000	180@0	DFT_256QAM	12.24	1.7	13.94	24.77	1000	PASS
n77(3700-3980)	30	70	663000	90@45	DFT_256QAM	12.26	1.7	13.96	24.89	1000	PASS
n77(3700-3980)	30	70	663000	1@1	DFT_256QAM	12.12	1.7	13.82	24.1	1000	PASS
n77(3700-3980)	30	70	663000	1@187	DFT_256QAM	12.13	1.7	13.83	24.15	1000	PASS
n77(3700-3980)	30	70	663000	189@0	CP_QPSK	13.72	1.7	15.42	34.83	1000	PASS
n77(3700-3980)	30	70	663000	95@47	CP_QPSK	15.36	1.7	17.06	50.82	1000	PASS
n77(3700-3980)	30	70	663000	1@1	CP_QPSK	15.22	1.7	16.92	49.2	1000	PASS
n77(3700-3980)	30	70	663000	1@187	CP_QPSK	15.41	1.7	17.11	51.4	1000	PASS
n77(3700-3980)	30	70	663000	189@0	CP_16QAM	13.74	1.7	15.44	34.99	1000	PASS
n77(3700-3980)	30	70	663000	95@47	CP_16QAM	14.76	1.7	16.46	44.26	1000	PASS
n77(3700-3980)	30	70	663000	1@1	CP_16QAM	14.68	1.7	16.38	43.45	1000	PASS
n77(3700-3980)	30	70	663000	1@187	CP_16QAM	14.7	1.7	16.4	43.65	1000	PASS
n77(3700-3980)	30	70	663000	189@0	CP_64QAM	13.23	1.7	14.93	31.12	1000	PASS
n77(3700-3980)	30	70	663000	95@47	CP_64QAM	13.26	1.7	14.96	31.33	1000	PASS
n77(3700-3980)	30	70	663000	1@1	CP_64QAM	12.97	1.7	14.67	29.31	1000	PASS
n77(3700-3980)	30	70	663000	1@187	CP_64QAM	12.99	1.7	14.69	29.44	1000	PASS
n77(3700-3980)	30	70	663000	189@0	CP_256QAM	10.22	1.7	11.92	15.56	1000	PASS
n77(3700-3980)	30	70	663000	95@47	CP_256QAM	10.24	1.7	11.94	15.63	1000	PASS
n77(3700-3980)	30	70	663000	1@1	CP_256QAM	10.17	1.7	11.87	15.38	1000	PASS
n77(3700-3980)	30	70	663000	1@187	CP_256QAM	10.2	1.7	11.9	15.49	1000	PASS
n77(3700-3980)	30	80	649334	216@0	DFT_BPSK	16.62	1.7	18.32	67.92	1000	PASS
n77(3700-3980)	30	80	649334	108@54	DFT_BPSK	17.12	1.7	18.82	76.21	1000	PASS
n77(3700-3980)	30	80	649334	1@1	DFT_BPSK	16.92	1.7	18.62	72.78	1000	PASS
n77(3700-3980)	30	80	649334	1@215	DFT_BPSK	17.1	1.7	18.8	75.86	1000	PASS
n77(3700-3980)	30	80	649334	216@0	DFT_QPSK	16.1	1.7	17.8	60.26	1000	PASS
n77(3700-3980)	30	80	649334	108@54	DFT_QPSK	17.11	1.7	18.81	76.03	1000	PASS
n77(3700-3980)	30	80	649334	1@1	DFT_QPSK	17.02	1.7	18.72	74.47	1000	PASS
n77(3700-3980)	30	80	649334	1@215	DFT_QPSK	17.14	1.7	18.84	76.56	1000	PASS
n77(3700-3980)	30	80	649334	216@0	DFT_16QAM	15.14	1.7	16.84	48.31	1000	PASS

n77(3700-3980)	30	80	649334	108@54	DFT_16QAM	16.05	1.7	17.75	59.57	1000	PASS
n77(3700-3980)	30	80	649334	1@1	DFT_16QAM	15.85	1.7	17.55	56.89	1000	PASS
n77(3700-3980)	30	80	649334	1@215	DFT_16QAM	15.99	1.7	17.69	58.75	1000	PASS
n77(3700-3980)	30	80	649334	216@0	DFT_64QAM	14.66	1.7	16.36	43.25	1000	PASS
n77(3700-3980)	30	80	649334	108@54	DFT_64QAM	14.69	1.7	16.39	43.55	1000	PASS
n77(3700-3980)	30	80	649334	1@1	DFT_64QAM	14.47	1.7	16.17	41.4	1000	PASS
n77(3700-3980)	30	80	649334	1@215	DFT_64QAM	14.64	1.7	16.34	43.05	1000	PASS
n77(3700-3980)	30	80	649334	216@0	DFT_256QAM	12.67	1.7	14.37	27.35	1000	PASS
n77(3700-3980)	30	80	649334	108@54	DFT_256QAM	12.65	1.7	14.35	27.23	1000	PASS
n77(3700-3980)	30	80	649334	1@1	DFT_256QAM	12.44	1.7	14.14	25.94	1000	PASS
n77(3700-3980)	30	80	649334	1@215	DFT_256QAM	12.62	1.7	14.32	27.04	1000	PASS
n77(3700-3980)	30	80	649334	217@0	CP_QPSK	14.16	1.7	15.86	38.55	1000	PASS
n77(3700-3980)	30	80	649334	109@54	CP_QPSK	15.53	1.7	17.23	52.84	1000	PASS
n77(3700-3980)	30	80	649334	1@1	CP_QPSK	15.55	1.7	17.25	53.09	1000	PASS
n77(3700-3980)	30	80	649334	1@215	CP_QPSK	15.6	1.7	17.3	53.7	1000	PASS
n77(3700-3980)	30	80	649334	217@0	CP_16QAM	14.15	1.7	15.85	38.46	1000	PASS
n77(3700-3980)	30	80	649334	109@54	CP_16QAM	15.13	1.7	16.83	48.19	1000	PASS
n77(3700-3980)	30	80	649334	1@1	CP_16QAM	14.97	1.7	16.67	46.45	1000	PASS
n77(3700-3980)	30	80	649334	1@215	CP_16QAM	15.14	1.7	16.84	48.31	1000	PASS
n77(3700-3980)	30	80	649334	217@0	CP_64QAM	13.66	1.7	15.36	34.36	1000	PASS
n77(3700-3980)	30	80	649334	109@54	CP_64QAM	13.61	1.7	15.31	33.96	1000	PASS
n77(3700-3980)	30	80	649334	1@1	CP_64QAM	13.26	1.7	14.96	31.33	1000	PASS
n77(3700-3980)	30	80	649334	1@215	CP_64QAM	13.45	1.7	15.15	32.73	1000	PASS
n77(3700-3980)	30	80	649334	217@0	CP_256QAM	10.66	1.7	12.36	17.22	1000	PASS
n77(3700-3980)	30	80	649334	109@54	CP_256QAM	10.64	1.7	12.34	17.14	1000	PASS
n77(3700-3980)	30	80	649334	1@1	CP_256QAM	10.49	1.7	12.19	16.56	1000	PASS
n77(3700-3980)	30	80	649334	1@215	CP_256QAM	10.68	1.7	12.38	17.3	1000	PASS
n77(3700-3980)	30	80	656000	216@0	DFT_BPSK	16.58	1.7	18.28	67.3	1000	PASS
n77(3700-3980)	30	80	656000	108@54	DFT_BPSK	17.13	1.7	18.83	76.38	1000	PASS
n77(3700-3980)	30	80	656000	1@1	DFT_BPSK	16.53	1.7	18.23	66.53	1000	PASS
n77(3700-3980)	30	80	656000	1@215	DFT_BPSK	17.49	1.7	19.19	82.99	1000	PASS
n77(3700-3980)	30	80	656000	216@0	DFT_QPSK	16.11	1.7	17.81	60.39	1000	PASS
n77(3700-3980)	30	80	656000	108@54	DFT_QPSK	17.08	1.7	18.78	75.51	1000	PASS
n77(3700-3980)	30	80	656000	1@1	DFT_QPSK	16.6	1.7	18.3	67.61	1000	PASS
n77(3700-3980)	30	80	656000	1@215	DFT_QPSK	17.63	1.7	19.33	85.7	1000	PASS
n77(3700-3980)	30	80	656000	216@0	DFT_16QAM	15.13	1.7	16.83	48.19	1000	PASS
n77(3700-3980)	30	80	656000	108@54	DFT_16QAM	16.13	1.7	17.83	60.67	1000	PASS
n77(3700-3980)	30	80	656000	1@1	DFT_16QAM	15.4	1.7	17.1	51.29	1000	PASS
n77(3700-3980)	30	80	656000	1@215	DFT_16QAM	16.33	1.7	18.03	63.53	1000	PASS
n77(3700-3980)	30	80	656000	216@0	DFT_64QAM	14.64	1.7	16.34	43.05	1000	PASS
n77(3700-3980)	30	80	656000	108@54	DFT_64QAM	14.66	1.7	16.36	43.25	1000	PASS
n77(3700-3980)	30	80	656000	1@1	DFT_64QAM	14.09	1.7	15.79	37.93	1000	PASS
n77(3700-3980)	30	80	656000	1@215	DFT_64QAM	14.9	1.7	16.6	45.71	1000	PASS

n77(3700-3980)	30	80	656000	216@0	DFT_256QAM	12.65	1.7	14.35	27.23	1000	PASS
n77(3700-3980)	30	80	656000	108@54	DFT_256QAM	12.64	1.7	14.34	27.16	1000	PASS
n77(3700-3980)	30	80	656000	1@1	DFT_256QAM	12.06	1.7	13.76	23.77	1000	PASS
n77(3700-3980)	30	80	656000	1@215	DFT_256QAM	12.85	1.7	14.55	28.51	1000	PASS
n77(3700-3980)	30	80	656000	217@0	CP_QPSK	14.14	1.7	15.84	38.37	1000	PASS
n77(3700-3980)	30	80	656000	109@54	CP_QPSK	15.59	1.7	17.29	53.58	1000	PASS
n77(3700-3980)	30	80	656000	1@1	CP_QPSK	15.12	1.7	16.82	48.08	1000	PASS
n77(3700-3980)	30	80	656000	1@215	CP_QPSK	16	1.7	17.7	58.88	1000	PASS
n77(3700-3980)	30	80	656000	217@0	CP_16QAM	14.15	1.7	15.85	38.46	1000	PASS
n77(3700-3980)	30	80	656000	109@54	CP_16QAM	15.16	1.7	16.86	48.53	1000	PASS
n77(3700-3980)	30	80	656000	1@1	CP_16QAM	14.61	1.7	16.31	42.76	1000	PASS
n77(3700-3980)	30	80	656000	1@215	CP_16QAM	15.38	1.7	17.08	51.05	1000	PASS
n77(3700-3980)	30	80	656000	217@0	CP_64QAM	13.63	1.7	15.33	34.12	1000	PASS
n77(3700-3980)	30	80	656000	109@54	CP_64QAM	13.64	1.7	15.34	34.2	1000	PASS
n77(3700-3980)	30	80	656000	1@1	CP_64QAM	12.94	1.7	14.64	29.11	1000	PASS
n77(3700-3980)	30	80	656000	1@215	CP_64QAM	13.69	1.7	15.39	34.59	1000	PASS
n77(3700-3980)	30	80	656000	217@0	CP_256QAM	10.61	1.7	12.31	17.02	1000	PASS
n77(3700-3980)	30	80	656000	109@54	CP_256QAM	10.58	1.7	12.28	16.9	1000	PASS
n77(3700-3980)	30	80	656000	1@1	CP_256QAM	10.16	1.7	11.86	15.35	1000	PASS
n77(3700-3980)	30	80	656000	1@215	CP_256QAM	10.92	1.7	12.62	18.28	1000	PASS
n77(3700-3980)	30	80	662666	216@0	DFT_BPSK	16.36	1.7	18.06	63.97	1000	PASS
n77(3700-3980)	30	80	662666	108@54	DFT_BPSK	16.84	1.7	18.54	71.45	1000	PASS
n77(3700-3980)	30	80	662666	1@1	DFT_BPSK	16.78	1.7	18.48	70.47	1000	PASS
n77(3700-3980)	30	80	662666	1@215	DFT_BPSK	16.81	1.7	18.51	70.96	1000	PASS
n77(3700-3980)	30	80	662666	216@0	DFT_QPSK	15.85	1.7	17.55	56.89	1000	PASS
n77(3700-3980)	30	80	662666	108@54	DFT_QPSK	16.83	1.7	18.53	71.29	1000	PASS
n77(3700-3980)	30	80	662666	1@1	DFT_QPSK	16.76	1.7	18.46	70.15	1000	PASS
n77(3700-3980)	30	80	662666	1@215	DFT_QPSK	16.88	1.7	18.58	72.11	1000	PASS
n77(3700-3980)	30	80	662666	216@0	DFT_16QAM	14.76	1.7	16.46	44.26	1000	PASS
n77(3700-3980)	30	80	662666	108@54	DFT_16QAM	15.82	1.7	17.52	56.49	1000	PASS
n77(3700-3980)	30	80	662666	1@1	DFT_16QAM	15.58	1.7	17.28	53.46	1000	PASS
n77(3700-3980)	30	80	662666	1@215	DFT_16QAM	15.67	1.7	17.37	54.58	1000	PASS
n77(3700-3980)	30	80	662666	216@0	DFT_64QAM	14.27	1.7	15.97	39.54	1000	PASS
n77(3700-3980)	30	80	662666	108@54	DFT_64QAM	14.27	1.7	15.97	39.54	1000	PASS
n77(3700-3980)	30	80	662666	1@1	DFT_64QAM	14.17	1.7	15.87	38.64	1000	PASS
n77(3700-3980)	30	80	662666	1@215	DFT_64QAM	14.15	1.7	15.85	38.46	1000	PASS
n77(3700-3980)	30	80	662666	216@0	DFT_256QAM	12.27	1.7	13.97	24.95	1000	PASS
n77(3700-3980)	30	80	662666	108@54	DFT_256QAM	12.26	1.7	13.96	24.89	1000	PASS
n77(3700-3980)	30	80	662666	1@1	DFT_256QAM	12.14	1.7	13.84	24.21	1000	PASS
n77(3700-3980)	30	80	662666	1@215	DFT_256QAM	12.15	1.7	13.85	24.27	1000	PASS
n77(3700-3980)	30	80	662666	217@0	CP_QPSK	13.75	1.7	15.45	35.08	1000	PASS
n77(3700-3980)	30	80	662666	109@54	CP_QPSK	15.29	1.7	16.99	50	1000	PASS
n77(3700-3980)	30	80	662666	1@1	CP_QPSK	15.26	1.7	16.96	49.66	1000	PASS

n77(3700-3980)	30	80	662666	1@215	CP_QPSK	15.41	1.7	17.11	51.4	1000	PASS
n77(3700-3980)	30	80	662666	217@0	CP_16QAM	13.74	1.7	15.44	34.99	1000	PASS
n77(3700-3980)	30	80	662666	109@54	CP_16QAM	14.75	1.7	16.45	44.16	1000	PASS
n77(3700-3980)	30	80	662666	1@1	CP_16QAM	14.7	1.7	16.4	43.65	1000	PASS
n77(3700-3980)	30	80	662666	1@215	CP_16QAM	14.69	1.7	16.39	43.55	1000	PASS
n77(3700-3980)	30	80	662666	217@0	CP_64QAM	13.25	1.7	14.95	31.26	1000	PASS
n77(3700-3980)	30	80	662666	109@54	CP_64QAM	13.22	1.7	14.92	31.05	1000	PASS
n77(3700-3980)	30	80	662666	1@1	CP_64QAM	13	1.7	14.7	29.51	1000	PASS
n77(3700-3980)	30	80	662666	1@215	CP_64QAM	12.98	1.7	14.68	29.38	1000	PASS
n77(3700-3980)	30	80	662666	217@0	CP_256QAM	10.26	1.7	11.96	15.7	1000	PASS
n77(3700-3980)	30	80	662666	109@54	CP_256QAM	10.19	1.7	11.89	15.45	1000	PASS
n77(3700-3980)	30	80	662666	1@1	CP_256QAM	10.25	1.7	11.95	15.67	1000	PASS
n77(3700-3980)	30	80	662666	1@215	CP_256QAM	10.23	1.7	11.93	15.6	1000	PASS
n77(3700-3980)	30	90	649668	243@0	DFT_BPSK	16.67	1.7	18.37	68.71	1000	PASS
n77(3700-3980)	30	90	649668	120@60	DFT_BPSK	17.13	1.7	18.83	76.38	1000	PASS
n77(3700-3980)	30	90	649668	1@1	DFT_BPSK	17.01	1.7	18.71	74.3	1000	PASS
n77(3700-3980)	30	90	649668	1@243	DFT_BPSK	17.35	1.7	19.05	80.35	1000	PASS
n77(3700-3980)	30	90	649668	243@0	DFT_QPSK	16.19	1.7	17.89	61.52	1000	PASS
n77(3700-3980)	30	90	649668	120@60	DFT_QPSK	17.11	1.7	18.81	76.03	1000	PASS
n77(3700-3980)	30	90	649668	1@1	DFT_QPSK	16.96	1.7	18.66	73.45	1000	PASS
n77(3700-3980)	30	90	649668	1@243	DFT_QPSK	17.38	1.7	19.08	80.91	1000	PASS
n77(3700-3980)	30	90	649668	243@0	DFT_16QAM	15.2	1.7	16.9	48.98	1000	PASS
n77(3700-3980)	30	90	649668	120@60	DFT_16QAM	16.1	1.7	17.8	60.26	1000	PASS
n77(3700-3980)	30	90	649668	1@1	DFT_16QAM	15.88	1.7	17.58	57.28	1000	PASS
n77(3700-3980)	30	90	649668	1@243	DFT_16QAM	16.18	1.7	17.88	61.38	1000	PASS
n77(3700-3980)	30	90	649668	243@0	DFT_64QAM	14.72	1.7	16.42	43.85	1000	PASS
n77(3700-3980)	30	90	649668	120@60	DFT_64QAM	14.67	1.7	16.37	43.35	1000	PASS
n77(3700-3980)	30	90	649668	1@1	DFT_64QAM	14.42	1.7	16.12	40.93	1000	PASS
n77(3700-3980)	30	90	649668	1@243	DFT_64QAM	14.84	1.7	16.54	45.08	1000	PASS
n77(3700-3980)	30	90	649668	243@0	DFT_256QAM	12.68	1.7	14.38	27.42	1000	PASS
n77(3700-3980)	30	90	649668	120@60	DFT_256QAM	12.69	1.7	14.39	27.48	1000	PASS
n77(3700-3980)	30	90	649668	1@1	DFT_256QAM	12.43	1.7	14.13	25.88	1000	PASS
n77(3700-3980)	30	90	649668	1@243	DFT_256QAM	12.84	1.7	14.54	28.44	1000	PASS
n77(3700-3980)	30	90	649668	245@0	CP_QPSK	14.22	1.7	15.92	39.08	1000	PASS
n77(3700-3980)	30	90	649668	123@61	CP_QPSK	15.57	1.7	17.27	53.33	1000	PASS
n77(3700-3980)	30	90	649668	1@1	CP_QPSK	15.47	1.7	17.17	52.12	1000	PASS
n77(3700-3980)	30	90	649668	1@243	CP_QPSK	15.82	1.7	17.52	56.49	1000	PASS
n77(3700-3980)	30	90	649668	245@0	CP_16QAM	14.2	1.7	15.9	38.9	1000	PASS
n77(3700-3980)	30	90	649668	123@61	CP_16QAM	15.18	1.7	16.88	48.75	1000	PASS
n77(3700-3980)	30	90	649668	1@1	CP_16QAM	14.99	1.7	16.69	46.67	1000	PASS
n77(3700-3980)	30	90	649668	1@243	CP_16QAM	15.36	1.7	17.06	50.82	1000	PASS
n77(3700-3980)	30	90	649668	245@0	CP_64QAM	13.74	1.7	15.44	34.99	1000	PASS
n77(3700-3980)	30	90	649668	123@61	CP_64QAM	13.67	1.7	15.37	34.43	1000	PASS

n77(3700-3980)	30	90	649668	1@1	CP_64QAM	13.25	1.7	14.95	31.26	1000	PASS
n77(3700-3980)	30	90	649668	1@243	CP_64QAM	13.65	1.7	15.35	34.28	1000	PASS
n77(3700-3980)	30	90	649668	245@0	CP_256QAM	10.73	1.7	12.43	17.5	1000	PASS
n77(3700-3980)	30	90	649668	123@61	CP_256QAM	10.66	1.7	12.36	17.22	1000	PASS
n77(3700-3980)	30	90	649668	1@1	CP_256QAM	10.49	1.7	12.19	16.56	1000	PASS
n77(3700-3980)	30	90	649668	1@243	CP_256QAM	10.86	1.7	12.56	18.03	1000	PASS
n77(3700-3980)	30	90	656000	243@0	DFT_BPSK	16.64	1.7	18.34	68.23	1000	PASS
n77(3700-3980)	30	90	656000	120@60	DFT_BPSK	17.12	1.7	18.82	76.21	1000	PASS
n77(3700-3980)	30	90	656000	1@1	DFT_BPSK	16.43	1.7	18.13	65.01	1000	PASS
n77(3700-3980)	30	90	656000	1@243	DFT_BPSK	17.46	1.7	19.16	82.41	1000	PASS
n77(3700-3980)	30	90	656000	243@0	DFT_QPSK	16.09	1.7	17.79	60.12	1000	PASS
n77(3700-3980)	30	90	656000	120@60	DFT_QPSK	17.08	1.7	18.78	75.51	1000	PASS
n77(3700-3980)	30	90	656000	1@1	DFT_QPSK	16.53	1.7	18.23	66.53	1000	PASS
n77(3700-3980)	30	90	656000	1@243	DFT_QPSK	17.49	1.7	19.19	82.99	1000	PASS
n77(3700-3980)	30	90	656000	243@0	DFT_16QAM	15.11	1.7	16.81	47.97	1000	PASS
n77(3700-3980)	30	90	656000	120@60	DFT_16QAM	16.11	1.7	17.81	60.39	1000	PASS
n77(3700-3980)	30	90	656000	1@1	DFT_16QAM	15.33	1.7	17.03	50.47	1000	PASS
n77(3700-3980)	30	90	656000	1@243	DFT_16QAM	16.32	1.7	18.02	63.39	1000	PASS
n77(3700-3980)	30	90	656000	243@0	DFT_64QAM	14.63	1.7	16.33	42.95	1000	PASS
n77(3700-3980)	30	90	656000	120@60	DFT_64QAM	14.64	1.7	16.34	43.05	1000	PASS
n77(3700-3980)	30	90	656000	1@1	DFT_64QAM	13.97	1.7	15.67	36.9	1000	PASS
n77(3700-3980)	30	90	656000	1@243	DFT_64QAM	14.85	1.7	16.55	45.19	1000	PASS
n77(3700-3980)	30	90	656000	243@0	DFT_256QAM	12.6	1.7	14.3	26.92	1000	PASS
n77(3700-3980)	30	90	656000	120@60	DFT_256QAM	12.64	1.7	14.34	27.16	1000	PASS
n77(3700-3980)	30	90	656000	1@1	DFT_256QAM	11.94	1.7	13.64	23.12	1000	PASS
n77(3700-3980)	30	90	656000	1@243	DFT_256QAM	12.82	1.7	14.52	28.31	1000	PASS
n77(3700-3980)	30	90	656000	245@0	CP_QPSK	14.09	1.7	15.79	37.93	1000	PASS
n77(3700-3980)	30	90	656000	123@61	CP_QPSK	15.57	1.7	17.27	53.33	1000	PASS
n77(3700-3980)	30	90	656000	1@1	CP_QPSK	15.03	1.7	16.73	47.1	1000	PASS
n77(3700-3980)	30	90	656000	1@243	CP_QPSK	15.99	1.7	17.69	58.75	1000	PASS
n77(3700-3980)	30	90	656000	245@0	CP_16QAM	14.1	1.7	15.8	38.02	1000	PASS
n77(3700-3980)	30	90	656000	123@61	CP_16QAM	15.13	1.7	16.83	48.19	1000	PASS
n77(3700-3980)	30	90	656000	1@1	CP_16QAM	14.5	1.7	16.2	41.69	1000	PASS
n77(3700-3980)	30	90	656000	1@243	CP_16QAM	15.34	1.7	17.04	50.58	1000	PASS
n77(3700-3980)	30	90	656000	245@0	CP_64QAM	13.61	1.7	15.31	33.96	1000	PASS
n77(3700-3980)	30	90	656000	123@61	CP_64QAM	13.63	1.7	15.33	34.12	1000	PASS
n77(3700-3980)	30	90	656000	1@1	CP_64QAM	12.81	1.7	14.51	28.25	1000	PASS
n77(3700-3980)	30	90	656000	1@243	CP_64QAM	13.67	1.7	15.37	34.43	1000	PASS
n77(3700-3980)	30	90	656000	245@0	CP_256QAM	10.57	1.7	12.27	16.87	1000	PASS
n77(3700-3980)	30	90	656000	123@61	CP_256QAM	10.59	1.7	12.29	16.94	1000	PASS
n77(3700-3980)	30	90	656000	1@1	CP_256QAM	10.05	1.7	11.75	14.96	1000	PASS
n77(3700-3980)	30	90	656000	1@243	CP_256QAM	10.94	1.7	12.64	18.37	1000	PASS
n77(3700-3980)	30	90	662332	243@0	DFT_BPSK	16.5	1.7	18.2	66.07	1000	PASS

n77(3700-3980)	30	90	662332	120@60	DFT_BPSK	16.97	1.7	18.67	73.62	1000	PASS
n77(3700-3980)	30	90	662332	1@1	DFT_BPSK	16.85	1.7	18.55	71.61	1000	PASS
n77(3700-3980)	30	90	662332	1@243	DFT_BPSK	16.92	1.7	18.62	72.78	1000	PASS
n77(3700-3980)	30	90	662332	243@0	DFT_QPSK	16	1.7	17.7	58.88	1000	PASS
n77(3700-3980)	30	90	662332	120@60	DFT_QPSK	16.99	1.7	18.69	73.96	1000	PASS
n77(3700-3980)	30	90	662332	1@1	DFT_QPSK	16.83	1.7	18.53	71.29	1000	PASS
n77(3700-3980)	30	90	662332	1@243	DFT_QPSK	16.98	1.7	18.68	73.79	1000	PASS
n77(3700-3980)	30	90	662332	243@0	DFT_16QAM	14.84	1.7	16.54	45.08	1000	PASS
n77(3700-3980)	30	90	662332	120@60	DFT_16QAM	15.92	1.7	17.62	57.81	1000	PASS
n77(3700-3980)	30	90	662332	1@1	DFT_16QAM	15.7	1.7	17.4	54.95	1000	PASS
n77(3700-3980)	30	90	662332	1@243	DFT_16QAM	15.83	1.7	17.53	56.62	1000	PASS
n77(3700-3980)	30	90	662332	243@0	DFT_64QAM	14.37	1.7	16.07	40.46	1000	PASS
n77(3700-3980)	30	90	662332	120@60	DFT_64QAM	14.38	1.7	16.08	40.55	1000	PASS
n77(3700-3980)	30	90	662332	1@1	DFT_64QAM	14.2	1.7	15.9	38.9	1000	PASS
n77(3700-3980)	30	90	662332	1@243	DFT_64QAM	14.2	1.7	15.9	38.9	1000	PASS
n77(3700-3980)	30	90	662332	243@0	DFT_256QAM	12.38	1.7	14.08	25.59	1000	PASS
n77(3700-3980)	30	90	662332	120@60	DFT_256QAM	12.39	1.7	14.09	25.64	1000	PASS
n77(3700-3980)	30	90	662332	1@1	DFT_256QAM	12.18	1.7	13.88	24.43	1000	PASS
n77(3700-3980)	30	90	662332	1@243	DFT_256QAM	12.21	1.7	13.91	24.6	1000	PASS
n77(3700-3980)	30	90	662332	245@0	CP_QPSK	13.84	1.7	15.54	35.81	1000	PASS
n77(3700-3980)	30	90	662332	123@61	CP_QPSK	15.46	1.7	17.16	52	1000	PASS
n77(3700-3980)	30	90	662332	1@1	CP_QPSK	15.37	1.7	17.07	50.93	1000	PASS
n77(3700-3980)	30	90	662332	1@243	CP_QPSK	15.56	1.7	17.26	53.21	1000	PASS
n77(3700-3980)	30	90	662332	245@0	CP_16QAM	13.85	1.7	15.55	35.89	1000	PASS
n77(3700-3980)	30	90	662332	123@61	CP_16QAM	14.85	1.7	16.55	45.19	1000	PASS
n77(3700-3980)	30	90	662332	1@1	CP_16QAM	14.75	1.7	16.45	44.16	1000	PASS
n77(3700-3980)	30	90	662332	1@243	CP_16QAM	14.87	1.7	16.57	45.39	1000	PASS
n77(3700-3980)	30	90	662332	245@0	CP_64QAM	13.36	1.7	15.06	32.06	1000	PASS
n77(3700-3980)	30	90	662332	123@61	CP_64QAM	13.34	1.7	15.04	31.92	1000	PASS
n77(3700-3980)	30	90	662332	1@1	CP_64QAM	13.05	1.7	14.75	29.85	1000	PASS
n77(3700-3980)	30	90	662332	1@243	CP_64QAM	13.18	1.7	14.88	30.76	1000	PASS
n77(3700-3980)	30	90	662332	245@0	CP_256QAM	10.33	1.7	12.03	15.96	1000	PASS
n77(3700-3980)	30	90	662332	123@61	CP_256QAM	10.36	1.7	12.06	16.07	1000	PASS
n77(3700-3980)	30	90	662332	1@1	CP_256QAM	10.27	1.7	11.97	15.74	1000	PASS
n77(3700-3980)	30	90	662332	1@243	CP_256QAM	10.37	1.7	12.07	16.11	1000	PASS
n77(3700-3980)	30	100	650000	270@0	DFT_BPSK	16.66	1.7	18.36	68.55	1000	PASS
n77(3700-3980)	30	100	650000	135@67	DFT_BPSK	17.14	1.7	18.84	76.56	1000	PASS
n77(3700-3980)	30	100	650000	1@1	DFT_BPSK	16.97	1.7	18.67	73.62	1000	PASS
n77(3700-3980)	30	100	650000	1@271	DFT_BPSK	17.42	1.7	19.12	81.66	1000	PASS
n77(3700-3980)	30	100	650000	270@0	DFT_QPSK	16.16	1.7	17.86	61.09	1000	PASS
n77(3700-3980)	30	100	650000	135@67	DFT_QPSK	17.08	1.7	18.78	75.51	1000	PASS
n77(3700-3980)	30	100	650000	1@1	DFT_QPSK	17	1.7	18.7	74.13	1000	PASS
n77(3700-3980)	30	100	650000	1@271	DFT_QPSK	17.47	1.7	19.17	82.6	1000	PASS

n77(3700-3980)	30	100	650000	270@0	DFT_16QAM	15.22	1.7	16.92	49.2	1000	PASS
n77(3700-3980)	30	100	650000	135@67	DFT_16QAM	16.08	1.7	17.78	59.98	1000	PASS
n77(3700-3980)	30	100	650000	1@1	DFT_16QAM	15.82	1.7	17.52	56.49	1000	PASS
n77(3700-3980)	30	100	650000	1@271	DFT_16QAM	16.25	1.7	17.95	62.37	1000	PASS
n77(3700-3980)	30	100	650000	270@0	DFT_64QAM	14.74	1.7	16.44	44.06	1000	PASS
n77(3700-3980)	30	100	650000	135@67	DFT_64QAM	14.67	1.7	16.37	43.35	1000	PASS
n77(3700-3980)	30	100	650000	1@1	DFT_64QAM	14.43	1.7	16.13	41.02	1000	PASS
n77(3700-3980)	30	100	650000	1@271	DFT_64QAM	14.95	1.7	16.65	46.24	1000	PASS
n77(3700-3980)	30	100	650000	270@0	DFT_256QAM	12.68	1.7	14.38	27.42	1000	PASS
n77(3700-3980)	30	100	650000	135@67	DFT_256QAM	12.68	1.7	14.38	27.42	1000	PASS
n77(3700-3980)	30	100	650000	1@1	DFT_256QAM	12.4	1.7	14.1	25.7	1000	PASS
n77(3700-3980)	30	100	650000	1@271	DFT_256QAM	12.95	1.7	14.65	29.17	1000	PASS
n77(3700-3980)	30	100	650000	273@0	CP_QPSK	14.24	1.7	15.94	39.26	1000	PASS
n77(3700-3980)	30	100	650000	137@68	CP_QPSK	15.53	1.7	17.23	52.84	1000	PASS
n77(3700-3980)	30	100	650000	1@1	CP_QPSK	15.52	1.7	17.22	52.72	1000	PASS
n77(3700-3980)	30	100	650000	1@271	CP_QPSK	15.97	1.7	17.67	58.48	1000	PASS
n77(3700-3980)	30	100	650000	273@0	CP_16QAM	14.23	1.7	15.93	39.17	1000	PASS
n77(3700-3980)	30	100	650000	137@68	CP_16QAM	15.15	1.7	16.85	48.42	1000	PASS
n77(3700-3980)	30	100	650000	1@1	CP_16QAM	14.91	1.7	16.61	45.81	1000	PASS
n77(3700-3980)	30	100	650000	1@271	CP_16QAM	15.46	1.7	17.16	52	1000	PASS
n77(3700-3980)	30	100	650000	273@0	CP_64QAM	13.75	1.7	15.45	35.08	1000	PASS
n77(3700-3980)	30	100	650000	137@68	CP_64QAM	13.65	1.7	15.35	34.28	1000	PASS
n77(3700-3980)	30	100	650000	1@1	CP_64QAM	13.21	1.7	14.91	30.97	1000	PASS
n77(3700-3980)	30	100	650000	1@271	CP_64QAM	13.82	1.7	15.52	35.65	1000	PASS
n77(3700-3980)	30	100	650000	273@0	CP_256QAM	10.73	1.7	12.43	17.5	1000	PASS
n77(3700-3980)	30	100	650000	137@68	CP_256QAM	10.65	1.7	12.35	17.18	1000	PASS
n77(3700-3980)	30	100	650000	1@1	CP_256QAM	10.46	1.7	12.16	16.44	1000	PASS
n77(3700-3980)	30	100	650000	1@271	CP_256QAM	11.03	1.7	12.73	18.75	1000	PASS
n77(3700-3980)	30	100	656000	270@0	DFT_BPSK	16.62	1.7	18.32	67.92	1000	PASS
n77(3700-3980)	30	100	656000	135@67	DFT_BPSK	17.11	1.7	18.81	76.03	1000	PASS
n77(3700-3980)	30	100	656000	1@1	DFT_BPSK	16.32	1.7	18.02	63.39	1000	PASS
n77(3700-3980)	30	100	656000	1@271	DFT_BPSK	17.41	1.7	19.11	81.47	1000	PASS
n77(3700-3980)	30	100	656000	270@0	DFT_QPSK	16.08	1.7	17.78	59.98	1000	PASS
n77(3700-3980)	30	100	656000	135@67	DFT_QPSK	17.09	1.7	18.79	75.68	1000	PASS
n77(3700-3980)	30	100	656000	1@1	DFT_QPSK	16.36	1.7	18.06	63.97	1000	PASS
n77(3700-3980)	30	100	656000	1@271	DFT_QPSK	17.4	1.7	19.1	81.28	1000	PASS
n77(3700-3980)	30	100	656000	270@0	DFT_16QAM	15.09	1.7	16.79	47.75	1000	PASS
n77(3700-3980)	30	100	656000	135@67	DFT_16QAM	16.07	1.7	17.77	59.84	1000	PASS
n77(3700-3980)	30	100	656000	1@1	DFT_16QAM	15.21	1.7	16.91	49.09	1000	PASS
n77(3700-3980)	30	100	656000	1@271	DFT_16QAM	16.21	1.7	17.91	61.8	1000	PASS
n77(3700-3980)	30	100	656000	270@0	DFT_64QAM	14.62	1.7	16.32	42.85	1000	PASS
n77(3700-3980)	30	100	656000	135@67	DFT_64QAM	14.66	1.7	16.36	43.25	1000	PASS
n77(3700-3980)	30	100	656000	1@1	DFT_64QAM	13.88	1.7	15.58	36.14	1000	PASS

n77(3700-3980)	30	100	656000	1@271	DFT_64QAM	14.79	1.7	16.49	44.57	1000	PASS
n77(3700-3980)	30	100	656000	270@0	DFT_256QAM	12.58	1.7	14.28	26.79	1000	PASS
n77(3700-3980)	30	100	656000	135@67	DFT_256QAM	12.64	1.7	14.34	27.16	1000	PASS
n77(3700-3980)	30	100	656000	1@1	DFT_256QAM	11.86	1.7	13.56	22.7	1000	PASS
n77(3700-3980)	30	100	656000	1@271	DFT_256QAM	12.78	1.7	14.48	28.05	1000	PASS
n77(3700-3980)	30	100	656000	273@0	CP_QPSK	14.11	1.7	15.81	38.11	1000	PASS
n77(3700-3980)	30	100	656000	137@68	CP_QPSK	15.6	1.7	17.3	53.7	1000	PASS
n77(3700-3980)	30	100	656000	1@1	CP_QPSK	14.94	1.7	16.64	46.13	1000	PASS
n77(3700-3980)	30	100	656000	1@271	CP_QPSK	16.05	1.7	17.75	59.57	1000	PASS
n77(3700-3980)	30	100	656000	273@0	CP_16QAM	14.1	1.7	15.8	38.02	1000	PASS
n77(3700-3980)	30	100	656000	137@68	CP_16QAM	15.14	1.7	16.84	48.31	1000	PASS
n77(3700-3980)	30	100	656000	1@1	CP_16QAM	14.42	1.7	16.12	40.93	1000	PASS
n77(3700-3980)	30	100	656000	1@271	CP_16QAM	15.34	1.7	17.04	50.58	1000	PASS
n77(3700-3980)	30	100	656000	273@0	CP_64QAM	13.57	1.7	15.27	33.65	1000	PASS
n77(3700-3980)	30	100	656000	137@68	CP_64QAM	13.62	1.7	15.32	34.04	1000	PASS
n77(3700-3980)	30	100	656000	1@1	CP_64QAM	12.68	1.7	14.38	27.42	1000	PASS
n77(3700-3980)	30	100	656000	1@271	CP_64QAM	13.62	1.7	15.32	34.04	1000	PASS
n77(3700-3980)	30	100	656000	273@0	CP_256QAM	10.54	1.7	12.24	16.75	1000	PASS
n77(3700-3980)	30	100	656000	137@68	CP_256QAM	10.6	1.7	12.3	16.98	1000	PASS
n77(3700-3980)	30	100	656000	1@1	CP_256QAM	9.96	1.7	11.66	14.66	1000	PASS
n77(3700-3980)	30	100	656000	1@271	CP_256QAM	10.89	1.7	12.59	18.16	1000	PASS
n77(3700-3980)	30	100	662000	270@0	DFT_BPSK	16.57	1.7	18.27	67.14	1000	PASS
n77(3700-3980)	30	100	662000	135@67	DFT_BPSK	17.07	1.7	18.77	75.34	1000	PASS
n77(3700-3980)	30	100	662000	1@1	DFT_BPSK	16.82	1.7	18.52	71.12	1000	PASS
n77(3700-3980)	30	100	662000	1@271	DFT_BPSK	16.97	1.7	18.67	73.62	1000	PASS
n77(3700-3980)	30	100	662000	270@0	DFT_QPSK	16.05	1.7	17.75	59.57	1000	PASS
n77(3700-3980)	30	100	662000	135@67	DFT_QPSK	17.05	1.7	18.75	74.99	1000	PASS
n77(3700-3980)	30	100	662000	1@1	DFT_QPSK	16.84	1.7	18.54	71.45	1000	PASS
n77(3700-3980)	30	100	662000	1@271	DFT_QPSK	16.99	1.7	18.69	73.96	1000	PASS
n77(3700-3980)	30	100	662000	270@0	DFT_16QAM	14.91	1.7	16.61	45.81	1000	PASS
n77(3700-3980)	30	100	662000	135@67	DFT_16QAM	16.02	1.7	17.72	59.16	1000	PASS
n77(3700-3980)	30	100	662000	1@1	DFT_16QAM	15.69	1.7	17.39	54.83	1000	PASS
n77(3700-3980)	30	100	662000	1@271	DFT_16QAM	15.82	1.7	17.52	56.49	1000	PASS
n77(3700-3980)	30	100	662000	270@0	DFT_64QAM	14.44	1.7	16.14	41.11	1000	PASS
n77(3700-3980)	30	100	662000	135@67	DFT_64QAM	14.49	1.7	16.19	41.59	1000	PASS
n77(3700-3980)	30	100	662000	1@1	DFT_64QAM	14.26	1.7	15.96	39.45	1000	PASS
n77(3700-3980)	30	100	662000	1@271	DFT_64QAM	14.3	1.7	16	39.81	1000	PASS
n77(3700-3980)	30	100	662000	270@0	DFT_256QAM	12.43	1.7	14.13	25.88	1000	PASS
n77(3700-3980)	30	100	662000	135@67	DFT_256QAM	12.48	1.7	14.18	26.18	1000	PASS
n77(3700-3980)	30	100	662000	1@1	DFT_256QAM	12.23	1.7	13.93	24.72	1000	PASS
n77(3700-3980)	30	100	662000	1@271	DFT_256QAM	12.29	1.7	13.99	25.06	1000	PASS
n77(3700-3980)	30	100	662000	273@0	CP_QPSK	13.93	1.7	15.63	36.56	1000	PASS
n77(3700-3980)	30	100	662000	137@68	CP_QPSK	15.54	1.7	17.24	52.97	1000	PASS

n77(3700-3980)	30	100	662000	1@1	CP_QPSK	15.33	1.7	17.03	50.47	1000	PASS
n77(3700-3980)	30	100	662000	1@271	CP_QPSK	15.49	1.7	17.19	52.36	1000	PASS
n77(3700-3980)	30	100	662000	273@0	CP_16QAM	13.92	1.7	15.62	36.48	1000	PASS
n77(3700-3980)	30	100	662000	137@68	CP_16QAM	14.96	1.7	16.66	46.34	1000	PASS
n77(3700-3980)	30	100	662000	1@1	CP_16QAM	14.76	1.7	16.46	44.26	1000	PASS
n77(3700-3980)	30	100	662000	1@271	CP_16QAM	14.84	1.7	16.54	45.08	1000	PASS
n77(3700-3980)	30	100	662000	273@0	CP_64QAM	13.4	1.7	15.1	32.36	1000	PASS
n77(3700-3980)	30	100	662000	137@68	CP_64QAM	13.45	1.7	15.15	32.73	1000	PASS
n77(3700-3980)	30	100	662000	1@1	CP_64QAM	13.04	1.7	14.74	29.79	1000	PASS
n77(3700-3980)	30	100	662000	1@271	CP_64QAM	13.14	1.7	14.84	30.48	1000	PASS
n77(3700-3980)	30	100	662000	273@0	CP_256QAM	10.39	1.7	12.09	16.18	1000	PASS
n77(3700-3980)	30	100	662000	137@68	CP_256QAM	10.47	1.7	12.17	16.48	1000	PASS
n77(3700-3980)	30	100	662000	1@1	CP_256QAM	10.29	1.7	11.99	15.81	1000	PASS
n77(3700-3980)	30	100	662000	1@271	CP_256QAM	10.41	1.7	12.11	16.26	1000	PASS

Band	SCS (kHz)	Bandwidth (MHz)	UL Channel	RB Allocation	Modulation	Power (dBm)	GT - Lc (dB)	EIRP (dBm)	EIRP (mW)	EIRP Limit (mW)	Verdict
n78(3700-3800)	30	10	647000	24@0	DFT_BPSK	17.95	1.7	19.65	92.26	1000	PASS
n78(3700-3800)	30	10	647000	12@6	DFT_BPSK	18.45	1.7	20.15	103.51	1000	PASS
n78(3700-3800)	30	10	647000	1@1	DFT_BPSK	18.33	1.7	20.03	100.69	1000	PASS
n78(3700-3800)	30	10	647000	1@22	DFT_BPSK	18.38	1.7	20.08	101.86	1000	PASS
n78(3700-3800)	30	10	647000	24@0	DFT_QPSK	17.42	1.7	19.12	81.66	1000	PASS
n78(3700-3800)	30	10	647000	12@6	DFT_QPSK	18.47	1.7	20.17	103.99	1000	PASS
n78(3700-3800)	30	10	647000	1@1	DFT_QPSK	18.4	1.7	20.1	102.33	1000	PASS
n78(3700-3800)	30	10	647000	1@22	DFT_QPSK	18.41	1.7	20.11	102.57	1000	PASS
n78(3700-3800)	30	10	647000	24@0	DFT_16QAM	16.43	1.7	18.13	65.01	1000	PASS
n78(3700-3800)	30	10	647000	12@6	DFT_16QAM	17.41	1.7	19.11	81.47	1000	PASS
n78(3700-3800)	30	10	647000	1@1	DFT_16QAM	16.8	1.7	18.5	70.79	1000	PASS
n78(3700-3800)	30	10	647000	1@22	DFT_16QAM	17.43	1.7	19.13	81.85	1000	PASS
n78(3700-3800)	30	10	647000	24@0	DFT_64QAM	15.93	1.7	17.63	57.94	1000	PASS
n78(3700-3800)	30	10	647000	12@6	DFT_64QAM	15.99	1.7	17.69	58.75	1000	PASS
n78(3700-3800)	30	10	647000	1@1	DFT_64QAM	15.94	1.7	17.64	58.08	1000	PASS
n78(3700-3800)	30	10	647000	1@22	DFT_64QAM	15.94	1.7	17.64	58.08	1000	PASS
n78(3700-3800)	30	10	647000	24@0	DFT_256QAM	13.95	1.7	15.65	36.73	1000	PASS
n78(3700-3800)	30	10	647000	12@6	DFT_256QAM	14.05	1.7	15.75	37.58	1000	PASS
n78(3700-3800)	30	10	647000	1@1	DFT_256QAM	13.68	1.7	15.38	34.51	1000	PASS
n78(3700-3800)	30	10	647000	1@22	DFT_256QAM	13.72	1.7	15.42	34.83	1000	PASS
n78(3700-3800)	30	10	647000	24@0	CP_QPSK	15.5	1.7	17.2	52.48	1000	PASS
n78(3700-3800)	30	10	647000	12@6	CP_QPSK	16.86	1.7	18.56	71.78	1000	PASS
n78(3700-3800)	30	10	647000	1@1	CP_QPSK	17.11	1.7	18.81	76.03	1000	PASS
n78(3700-3800)	30	10	647000	1@22	CP_QPSK	17.09	1.7	18.79	75.68	1000	PASS
n78(3700-3800)	30	10	647000	24@0	CP_16QAM	15.39	1.7	17.09	51.17	1000	PASS

n78(3700-3800)	30	10	647000	12@6	CP_16QAM	16.63	1.7	18.33	68.08	1000	PASS
n78(3700-3800)	30	10	647000	1@1	CP_16QAM	16.57	1.7	18.27	67.14	1000	PASS
n78(3700-3800)	30	10	647000	1@22	CP_16QAM	16.49	1.7	18.19	65.92	1000	PASS
n78(3700-3800)	30	10	647000	24@0	CP_64QAM	15.2	1.7	16.9	48.98	1000	PASS
n78(3700-3800)	30	10	647000	12@6	CP_64QAM	14.99	1.7	16.69	46.67	1000	PASS
n78(3700-3800)	30	10	647000	1@1	CP_64QAM	14.73	1.7	16.43	43.95	1000	PASS
n78(3700-3800)	30	10	647000	1@22	CP_64QAM	14.71	1.7	16.41	43.75	1000	PASS
n78(3700-3800)	30	10	647000	24@0	CP_256QAM	11.86	1.7	13.56	22.7	1000	PASS
n78(3700-3800)	30	10	647000	12@6	CP_256QAM	11.99	1.7	13.69	23.39	1000	PASS
n78(3700-3800)	30	10	647000	1@1	CP_256QAM	11.8	1.7	13.5	22.39	1000	PASS
n78(3700-3800)	30	10	647000	1@22	CP_256QAM	11.83	1.7	13.53	22.54	1000	PASS
n78(3700-3800)	30	10	650000	24@0	DFT_BPSK	17.5	1.7	19.2	83.18	1000	PASS
n78(3700-3800)	30	10	650000	12@6	DFT_BPSK	18.47	1.7	20.17	103.99	1000	PASS
n78(3700-3800)	30	10	650000	1@1	DFT_BPSK	18.41	1.7	20.11	102.57	1000	PASS
n78(3700-3800)	30	10	650000	1@22	DFT_BPSK	18.48	1.7	20.18	104.23	1000	PASS
n78(3700-3800)	30	10	650000	24@0	DFT_QPSK	17.44	1.7	19.14	82.04	1000	PASS
n78(3700-3800)	30	10	650000	12@6	DFT_QPSK	18.48	1.7	20.18	104.23	1000	PASS
n78(3700-3800)	30	10	650000	1@1	DFT_QPSK	18.44	1.7	20.14	103.28	1000	PASS
n78(3700-3800)	30	10	650000	1@22	DFT_QPSK	18.51	1.7	20.21	104.95	1000	PASS
n78(3700-3800)	30	10	650000	24@0	DFT_16QAM	16.59	1.7	18.29	67.45	1000	PASS
n78(3700-3800)	30	10	650000	12@6	DFT_16QAM	17.2	1.7	18.9	77.62	1000	PASS
n78(3700-3800)	30	10	650000	1@1	DFT_16QAM	17.51	1.7	19.21	83.37	1000	PASS
n78(3700-3800)	30	10	650000	1@22	DFT_16QAM	17.54	1.7	19.24	83.95	1000	PASS
n78(3700-3800)	30	10	650000	24@0	DFT_64QAM	15.95	1.7	17.65	58.21	1000	PASS
n78(3700-3800)	30	10	650000	12@6	DFT_64QAM	16.07	1.7	17.77	59.84	1000	PASS
n78(3700-3800)	30	10	650000	1@1	DFT_64QAM	16.02	1.7	17.72	59.16	1000	PASS
n78(3700-3800)	30	10	650000	1@22	DFT_64QAM	16.09	1.7	17.79	60.12	1000	PASS
n78(3700-3800)	30	10	650000	24@0	DFT_256QAM	14.07	1.7	15.77	37.76	1000	PASS
n78(3700-3800)	30	10	650000	12@6	DFT_256QAM	14.15	1.7	15.85	38.46	1000	PASS
n78(3700-3800)	30	10	650000	1@1	DFT_256QAM	13.81	1.7	15.51	35.56	1000	PASS
n78(3700-3800)	30	10	650000	1@22	DFT_256QAM	13.86	1.7	15.56	35.97	1000	PASS
n78(3700-3800)	30	10	650000	24@0	CP_QPSK	15.47	1.7	17.17	52.12	1000	PASS
n78(3700-3800)	30	10	650000	12@6	CP_QPSK	16.92	1.7	18.62	72.78	1000	PASS
n78(3700-3800)	30	10	650000	1@1	CP_QPSK	17.22	1.7	18.92	77.98	1000	PASS
n78(3700-3800)	30	10	650000	1@22	CP_QPSK	17.26	1.7	18.96	78.7	1000	PASS
n78(3700-3800)	30	10	650000	24@0	CP_16QAM	15.43	1.7	17.13	51.64	1000	PASS
n78(3700-3800)	30	10	650000	12@6	CP_16QAM	16.64	1.7	18.34	68.23	1000	PASS
n78(3700-3800)	30	10	650000	1@1	CP_16QAM	16.6	1.7	18.3	67.61	1000	PASS
n78(3700-3800)	30	10	650000	1@22	CP_16QAM	16.8	1.7	18.5	70.79	1000	PASS
n78(3700-3800)	30	10	650000	24@0	CP_64QAM	15.05	1.7	16.75	47.32	1000	PASS
n78(3700-3800)	30	10	650000	12@6	CP_64QAM	15.16	1.7	16.86	48.53	1000	PASS
n78(3700-3800)	30	10	650000	1@1	CP_64QAM	14.81	1.7	16.51	44.77	1000	PASS
n78(3700-3800)	30	10	650000	1@22	CP_64QAM	14.9	1.7	16.6	45.71	1000	PASS

n78(3700-3800)	30	10	650000	24@0	CP_256QAM	12	1.7	13.7	23.44	1000	PASS
n78(3700-3800)	30	10	650000	12@6	CP_256QAM	12.07	1.7	13.77	23.82	1000	PASS
n78(3700-3800)	30	10	650000	1@1	CP_256QAM	11.94	1.7	13.64	23.12	1000	PASS
n78(3700-3800)	30	10	650000	1@22	CP_256QAM	12.04	1.7	13.74	23.66	1000	PASS
n78(3700-3800)	30	10	653000	24@0	DFT_BPSK	18.29	1.7	19.99	99.77	1000	PASS
n78(3700-3800)	30	10	653000	12@6	DFT_BPSK	18.76	1.7	20.46	111.17	1000	PASS
n78(3700-3800)	30	10	653000	1@1	DFT_BPSK	18.66	1.7	20.36	108.64	1000	PASS
n78(3700-3800)	30	10	653000	1@22	DFT_BPSK	18.82	1.7	20.52	112.72	1000	PASS
n78(3700-3800)	30	10	653000	24@0	DFT_QPSK	17.69	1.7	19.39	86.9	1000	PASS
n78(3700-3800)	30	10	653000	12@6	DFT_QPSK	18.74	1.7	20.44	110.66	1000	PASS
n78(3700-3800)	30	10	653000	1@1	DFT_QPSK	18.69	1.7	20.39	109.4	1000	PASS
n78(3700-3800)	30	10	653000	1@22	DFT_QPSK	18.85	1.7	20.55	113.5	1000	PASS
n78(3700-3800)	30	10	653000	24@0	DFT_16QAM	16.91	1.7	18.61	72.61	1000	PASS
n78(3700-3800)	30	10	653000	12@6	DFT_16QAM	17.92	1.7	19.62	91.62	1000	PASS
n78(3700-3800)	30	10	653000	1@1	DFT_16QAM	17.76	1.7	19.46	88.31	1000	PASS
n78(3700-3800)	30	10	653000	1@22	DFT_16QAM	17.88	1.7	19.58	90.78	1000	PASS
n78(3700-3800)	30	10	653000	24@0	DFT_64QAM	16.33	1.7	18.03	63.53	1000	PASS
n78(3700-3800)	30	10	653000	12@6	DFT_64QAM	16.36	1.7	18.06	63.97	1000	PASS
n78(3700-3800)	30	10	653000	1@1	DFT_64QAM	16.28	1.7	17.98	62.81	1000	PASS
n78(3700-3800)	30	10	653000	1@22	DFT_64QAM	16.36	1.7	18.06	63.97	1000	PASS
n78(3700-3800)	30	10	653000	24@0	DFT_256QAM	14.25	1.7	15.95	39.36	1000	PASS
n78(3700-3800)	30	10	653000	12@6	DFT_256QAM	14.43	1.7	16.13	41.02	1000	PASS
n78(3700-3800)	30	10	653000	1@1	DFT_256QAM	14	1.7	15.7	37.15	1000	PASS
n78(3700-3800)	30	10	653000	1@22	DFT_256QAM	14.13	1.7	15.83	38.28	1000	PASS
n78(3700-3800)	30	10	653000	24@0	CP_QPSK	15.74	1.7	17.44	55.46	1000	PASS
n78(3700-3800)	30	10	653000	12@6	CP_QPSK	17.21	1.7	18.91	77.8	1000	PASS
n78(3700-3800)	30	10	653000	1@1	CP_QPSK	17.44	1.7	19.14	82.04	1000	PASS
n78(3700-3800)	30	10	653000	1@22	CP_QPSK	17.58	1.7	19.28	84.72	1000	PASS
n78(3700-3800)	30	10	653000	24@0	CP_16QAM	15.67	1.7	17.37	54.58	1000	PASS
n78(3700-3800)	30	10	653000	12@6	CP_16QAM	16.92	1.7	18.62	72.78	1000	PASS
n78(3700-3800)	30	10	653000	1@1	CP_16QAM	16.9	1.7	18.6	72.44	1000	PASS
n78(3700-3800)	30	10	653000	1@22	CP_16QAM	17.03	1.7	18.73	74.64	1000	PASS
n78(3700-3800)	30	10	653000	24@0	CP_64QAM	15.44	1.7	17.14	51.76	1000	PASS
n78(3700-3800)	30	10	653000	12@6	CP_64QAM	15.39	1.7	17.09	51.17	1000	PASS
n78(3700-3800)	30	10	653000	1@1	CP_64QAM	15.09	1.7	16.79	47.75	1000	PASS
n78(3700-3800)	30	10	653000	1@22	CP_64QAM	15.2	1.7	16.9	48.98	1000	PASS
n78(3700-3800)	30	10	653000	24@0	CP_256QAM	12.29	1.7	13.99	25.06	1000	PASS
n78(3700-3800)	30	10	653000	12@6	CP_256QAM	12.21	1.7	13.91	24.6	1000	PASS
n78(3700-3800)	30	10	653000	1@1	CP_256QAM	12.07	1.7	13.77	23.82	1000	PASS
n78(3700-3800)	30	10	653000	1@22	CP_256QAM	12.19	1.7	13.89	24.49	1000	PASS
n78(3700-3800)	30	15	647168	36@0	DFT_BPSK	18	1.7	19.7	93.33	1000	PASS
n78(3700-3800)	30	15	647168	18@9	DFT_BPSK	18.49	1.7	20.19	104.47	1000	PASS
n78(3700-3800)	30	15	647168	1@1	DFT_BPSK	18.36	1.7	20.06	101.39	1000	PASS

n78(3700-3800)	30	15	647168	1@36	DFT_BPSK	18.39	1.7	20.09	102.09	1000	PASS
n78(3700-3800)	30	15	647168	36@0	DFT_QPSK	17.48	1.7	19.18	82.79	1000	PASS
n78(3700-3800)	30	15	647168	18@9	DFT_QPSK	18.52	1.7	20.22	105.2	1000	PASS
n78(3700-3800)	30	15	647168	1@1	DFT_QPSK	18.46	1.7	20.16	103.75	1000	PASS
n78(3700-3800)	30	15	647168	1@36	DFT_QPSK	18.43	1.7	20.13	103.04	1000	PASS
n78(3700-3800)	30	15	647168	36@0	DFT_16QAM	16.52	1.7	18.22	66.37	1000	PASS
n78(3700-3800)	30	15	647168	18@9	DFT_16QAM	17.45	1.7	19.15	82.22	1000	PASS
n78(3700-3800)	30	15	647168	1@1	DFT_16QAM	17.5	1.7	19.2	83.18	1000	PASS
n78(3700-3800)	30	15	647168	1@36	DFT_16QAM	17.47	1.7	19.17	82.6	1000	PASS
n78(3700-3800)	30	15	647168	36@0	DFT_64QAM	15.93	1.7	17.63	57.94	1000	PASS
n78(3700-3800)	30	15	647168	18@9	DFT_64QAM	16.07	1.7	17.77	59.84	1000	PASS
n78(3700-3800)	30	15	647168	1@1	DFT_64QAM	16.04	1.7	17.74	59.43	1000	PASS
n78(3700-3800)	30	15	647168	1@36	DFT_64QAM	16.01	1.7	17.71	59.02	1000	PASS
n78(3700-3800)	30	15	647168	36@0	DFT_256QAM	13.93	1.7	15.63	36.56	1000	PASS
n78(3700-3800)	30	15	647168	18@9	DFT_256QAM	13.92	1.7	15.62	36.48	1000	PASS
n78(3700-3800)	30	15	647168	1@1	DFT_256QAM	13.71	1.7	15.41	34.75	1000	PASS
n78(3700-3800)	30	15	647168	1@36	DFT_256QAM	13.77	1.7	15.47	35.24	1000	PASS
n78(3700-3800)	30	15	647168	38@0	CP_QPSK	15.44	1.7	17.14	51.76	1000	PASS
n78(3700-3800)	30	15	647168	19@9	CP_QPSK	16.98	1.7	18.68	73.79	1000	PASS
n78(3700-3800)	30	15	647168	1@1	CP_QPSK	17.11	1.7	18.81	76.03	1000	PASS
n78(3700-3800)	30	15	647168	1@36	CP_QPSK	17.14	1.7	18.84	76.56	1000	PASS
n78(3700-3800)	30	15	647168	38@0	CP_16QAM	15.5	1.7	17.2	52.48	1000	PASS
n78(3700-3800)	30	15	647168	19@9	CP_16QAM	16.49	1.7	18.19	65.92	1000	PASS
n78(3700-3800)	30	15	647168	1@1	CP_16QAM	16.41	1.7	18.11	64.71	1000	PASS
n78(3700-3800)	30	15	647168	1@36	CP_16QAM	16.42	1.7	18.12	64.86	1000	PASS
n78(3700-3800)	30	15	647168	38@0	CP_64QAM	15	1.7	16.7	46.77	1000	PASS
n78(3700-3800)	30	15	647168	19@9	CP_64QAM	14.96	1.7	16.66	46.34	1000	PASS
n78(3700-3800)	30	15	647168	1@1	CP_64QAM	14.79	1.7	16.49	44.57	1000	PASS
n78(3700-3800)	30	15	647168	1@36	CP_64QAM	14.72	1.7	16.42	43.85	1000	PASS
n78(3700-3800)	30	15	647168	38@0	CP_256QAM	12.01	1.7	13.71	23.5	1000	PASS
n78(3700-3800)	30	15	647168	19@9	CP_256QAM	12.06	1.7	13.76	23.77	1000	PASS
n78(3700-3800)	30	15	647168	1@1	CP_256QAM	11.86	1.7	13.56	22.7	1000	PASS
n78(3700-3800)	30	15	647168	1@36	CP_256QAM	11.83	1.7	13.53	22.54	1000	PASS
n78(3700-3800)	30	15	650000	36@0	DFT_BPSK	17.98	1.7	19.68	92.9	1000	PASS
n78(3700-3800)	30	15	650000	18@9	DFT_BPSK	18.58	1.7	20.28	106.66	1000	PASS
n78(3700-3800)	30	15	650000	1@1	DFT_BPSK	18.43	1.7	20.13	103.04	1000	PASS
n78(3700-3800)	30	15	650000	1@36	DFT_BPSK	18.58	1.7	20.28	106.66	1000	PASS
n78(3700-3800)	30	15	650000	36@0	DFT_QPSK	17.58	1.7	19.28	84.72	1000	PASS
n78(3700-3800)	30	15	650000	18@9	DFT_QPSK	18.63	1.7	20.33	107.89	1000	PASS
n78(3700-3800)	30	15	650000	1@1	DFT_QPSK	18.48	1.7	20.18	104.23	1000	PASS
n78(3700-3800)	30	15	650000	1@36	DFT_QPSK	18.56	1.7	20.26	106.17	1000	PASS
n78(3700-3800)	30	15	650000	36@0	DFT_16QAM	16.6	1.7	18.3	67.61	1000	PASS
n78(3700-3800)	30	15	650000	18@9	DFT_16QAM	17.53	1.7	19.23	83.75	1000	PASS

n78(3700-3800)	30	15	650000	1@1	DFT_16QAM	17.52	1.7	19.22	83.56	1000	PASS
n78(3700-3800)	30	15	650000	1@36	DFT_16QAM	17.64	1.7	19.34	85.9	1000	PASS
n78(3700-3800)	30	15	650000	36@0	DFT_64QAM	15.98	1.7	17.68	58.61	1000	PASS
n78(3700-3800)	30	15	650000	18@9	DFT_64QAM	16.08	1.7	17.78	59.98	1000	PASS
n78(3700-3800)	30	15	650000	1@1	DFT_64QAM	16.01	1.7	17.71	59.02	1000	PASS
n78(3700-3800)	30	15	650000	1@36	DFT_64QAM	16.16	1.7	17.86	61.09	1000	PASS
n78(3700-3800)	30	15	650000	36@0	DFT_256QAM	14.11	1.7	15.81	38.11	1000	PASS
n78(3700-3800)	30	15	650000	18@9	DFT_256QAM	14.09	1.7	15.79	37.93	1000	PASS
n78(3700-3800)	30	15	650000	1@1	DFT_256QAM	13.77	1.7	15.47	35.24	1000	PASS
n78(3700-3800)	30	15	650000	1@36	DFT_256QAM	13.89	1.7	15.59	36.22	1000	PASS
n78(3700-3800)	30	15	650000	38@0	CP_QPSK	15.53	1.7	17.23	52.84	1000	PASS
n78(3700-3800)	30	15	650000	19@9	CP_QPSK	17.05	1.7	18.75	74.99	1000	PASS
n78(3700-3800)	30	15	650000	1@1	CP_QPSK	17.16	1.7	18.86	76.91	1000	PASS
n78(3700-3800)	30	15	650000	1@36	CP_QPSK	17.3	1.7	19	79.43	1000	PASS
n78(3700-3800)	30	15	650000	38@0	CP_16QAM	15.55	1.7	17.25	53.09	1000	PASS
n78(3700-3800)	30	15	650000	19@9	CP_16QAM	16.52	1.7	18.22	66.37	1000	PASS
n78(3700-3800)	30	15	650000	1@1	CP_16QAM	16.48	1.7	18.18	65.77	1000	PASS
n78(3700-3800)	30	15	650000	1@36	CP_16QAM	16.55	1.7	18.25	66.83	1000	PASS
n78(3700-3800)	30	15	650000	38@0	CP_64QAM	15.11	1.7	16.81	47.97	1000	PASS
n78(3700-3800)	30	15	650000	19@9	CP_64QAM	15.04	1.7	16.74	47.21	1000	PASS
n78(3700-3800)	30	15	650000	1@1	CP_64QAM	14.8	1.7	16.5	44.67	1000	PASS
n78(3700-3800)	30	15	650000	1@36	CP_64QAM	14.7	1.7	16.4	43.65	1000	PASS
n78(3700-3800)	30	15	650000	38@0	CP_256QAM	12.16	1.7	13.86	24.32	1000	PASS
n78(3700-3800)	30	15	650000	19@9	CP_256QAM	12.15	1.7	13.85	24.27	1000	PASS
n78(3700-3800)	30	15	650000	1@1	CP_256QAM	11.94	1.7	13.64	23.12	1000	PASS
n78(3700-3800)	30	15	650000	1@36	CP_256QAM	12.05	1.7	13.75	23.71	1000	PASS
n78(3700-3800)	30	15	652832	36@0	DFT_BPSK	18.24	1.7	19.94	98.63	1000	PASS
n78(3700-3800)	30	15	652832	18@9	DFT_BPSK	18.71	1.7	20.41	109.9	1000	PASS
n78(3700-3800)	30	15	652832	1@1	DFT_BPSK	18.49	1.7	20.19	104.47	1000	PASS
n78(3700-3800)	30	15	652832	1@36	DFT_BPSK	18.78	1.7	20.48	111.69	1000	PASS
n78(3700-3800)	30	15	652832	36@0	DFT_QPSK	17.74	1.7	19.44	87.9	1000	PASS
n78(3700-3800)	30	15	652832	18@9	DFT_QPSK	18.75	1.7	20.45	110.92	1000	PASS
n78(3700-3800)	30	15	652832	1@1	DFT_QPSK	18.54	1.7	20.24	105.68	1000	PASS
n78(3700-3800)	30	15	652832	1@36	DFT_QPSK	18.8	1.7	20.5	112.2	1000	PASS
n78(3700-3800)	30	15	652832	36@0	DFT_16QAM	16.73	1.7	18.43	69.66	1000	PASS
n78(3700-3800)	30	15	652832	18@9	DFT_16QAM	17.67	1.7	19.37	86.5	1000	PASS
n78(3700-3800)	30	15	652832	1@1	DFT_16QAM	17.57	1.7	19.27	84.53	1000	PASS
n78(3700-3800)	30	15	652832	1@36	DFT_16QAM	17.89	1.7	19.59	90.99	1000	PASS
n78(3700-3800)	30	15	652832	36@0	DFT_64QAM	16.18	1.7	17.88	61.38	1000	PASS
n78(3700-3800)	30	15	652832	18@9	DFT_64QAM	16.29	1.7	17.99	62.95	1000	PASS
n78(3700-3800)	30	15	652832	1@1	DFT_64QAM	16.1	1.7	17.8	60.26	1000	PASS
n78(3700-3800)	30	15	652832	1@36	DFT_64QAM	16.35	1.7	18.05	63.83	1000	PASS
n78(3700-3800)	30	15	652832	36@0	DFT_256QAM	13.9	1.7	15.6	36.31	1000	PASS

n78(3700-3800)	30	15	652832	18@9	DFT_256QAM	14.18	1.7	15.88	38.73	1000	PASS
n78(3700-3800)	30	15	652832	1@1	DFT_256QAM	13.81	1.7	15.51	35.56	1000	PASS
n78(3700-3800)	30	15	652832	1@36	DFT_256QAM	14.03	1.7	15.73	37.41	1000	PASS
n78(3700-3800)	30	15	652832	38@0	CP_QPSK	15.68	1.7	17.38	54.7	1000	PASS
n78(3700-3800)	30	15	652832	19@9	CP_QPSK	17.21	1.7	18.91	77.8	1000	PASS
n78(3700-3800)	30	15	652832	1@1	CP_QPSK	17.18	1.7	18.88	77.27	1000	PASS
n78(3700-3800)	30	15	652832	1@36	CP_QPSK	17.37	1.7	19.07	80.72	1000	PASS
n78(3700-3800)	30	15	652832	38@0	CP_16QAM	16.9	1.7	18.6	72.44	1000	PASS
n78(3700-3800)	30	15	652832	19@9	CP_16QAM	16.75	1.7	18.45	69.98	1000	PASS
n78(3700-3800)	30	15	652832	1@1	CP_16QAM	16.54	1.7	18.24	66.68	1000	PASS
n78(3700-3800)	30	15	652832	1@36	CP_16QAM	16.82	1.7	18.52	71.12	1000	PASS
n78(3700-3800)	30	15	652832	38@0	CP_64QAM	15.28	1.7	16.98	49.89	1000	PASS
n78(3700-3800)	30	15	652832	19@9	CP_64QAM	15.24	1.7	16.94	49.43	1000	PASS
n78(3700-3800)	30	15	652832	1@1	CP_64QAM	14.86	1.7	16.56	45.29	1000	PASS
n78(3700-3800)	30	15	652832	1@36	CP_64QAM	15.12	1.7	16.82	48.08	1000	PASS
n78(3700-3800)	30	15	652832	38@0	CP_256QAM	12.23	1.7	13.93	24.72	1000	PASS
n78(3700-3800)	30	15	652832	19@9	CP_256QAM	12.32	1.7	14.02	25.23	1000	PASS
n78(3700-3800)	30	15	652832	1@1	CP_256QAM	11.92	1.7	13.62	23.01	1000	PASS
n78(3700-3800)	30	15	652832	1@36	CP_256QAM	12.17	1.7	13.87	24.38	1000	PASS
n78(3700-3800)	30	20	647334	50@0	DFT_BPSK	18.09	1.7	19.79	95.28	1000	PASS
n78(3700-3800)	30	20	647334	25@12	DFT_BPSK	18.63	1.7	20.33	107.89	1000	PASS
n78(3700-3800)	30	20	647334	1@1	DFT_BPSK	18.5	1.7	20.2	104.71	1000	PASS
n78(3700-3800)	30	20	647334	1@49	DFT_BPSK	18.52	1.7	20.22	105.2	1000	PASS
n78(3700-3800)	30	20	647334	50@0	DFT_QPSK	17.59	1.7	19.29	84.92	1000	PASS
n78(3700-3800)	30	20	647334	25@12	DFT_QPSK	18.64	1.7	20.34	108.14	1000	PASS
n78(3700-3800)	30	20	647334	1@1	DFT_QPSK	18.49	1.7	20.19	104.47	1000	PASS
n78(3700-3800)	30	20	647334	1@49	DFT_QPSK	18.5	1.7	20.2	104.71	1000	PASS
n78(3700-3800)	30	20	647334	50@0	DFT_16QAM	16.8	1.7	18.5	70.79	1000	PASS
n78(3700-3800)	30	20	647334	25@12	DFT_16QAM	17.58	1.7	19.28	84.72	1000	PASS
n78(3700-3800)	30	20	647334	1@1	DFT_16QAM	10.13	1.7	11.83	15.24	1000	PASS
n78(3700-3800)	30	20	647334	1@49	DFT_16QAM	17.58	1.7	19.28	84.72	1000	PASS
n78(3700-3800)	30	20	647334	50@0	DFT_64QAM	16.01	1.7	17.71	59.02	1000	PASS
n78(3700-3800)	30	20	647334	25@12	DFT_64QAM	16.09	1.7	17.79	60.12	1000	PASS
n78(3700-3800)	30	20	647334	1@1	DFT_64QAM	16.07	1.7	17.77	59.84	1000	PASS
n78(3700-3800)	30	20	647334	1@49	DFT_64QAM	16.11	1.7	17.81	60.39	1000	PASS
n78(3700-3800)	30	20	647334	50@0	DFT_256QAM	14.07	1.7	15.77	37.76	1000	PASS
n78(3700-3800)	30	20	647334	25@12	DFT_256QAM	14.04	1.7	15.74	37.5	1000	PASS
n78(3700-3800)	30	20	647334	1@1	DFT_256QAM	13.8	1.7	15.5	35.48	1000	PASS
n78(3700-3800)	30	20	647334	1@49	DFT_256QAM	13.85	1.7	15.55	35.89	1000	PASS
n78(3700-3800)	30	20	647334	51@0	CP_QPSK	15.59	1.7	17.29	53.58	1000	PASS
n78(3700-3800)	30	20	647334	25@12	CP_QPSK	17.13	1.7	18.83	76.38	1000	PASS
n78(3700-3800)	30	20	647334	1@1	CP_QPSK	17.23	1.7	18.93	78.16	1000	PASS
n78(3700-3800)	30	20	647334	1@49	CP_QPSK	17.21	1.7	18.91	77.8	1000	PASS

n78(3700-3800)	30	20	647334	51@0	CP_16QAM	15.61	1.7	17.31	53.83	1000	PASS
n78(3700-3800)	30	20	647334	25@12	CP_16QAM	16.6	1.7	18.3	67.61	1000	PASS
n78(3700-3800)	30	20	647334	1@1	CP_16QAM	16.52	1.7	18.22	66.37	1000	PASS
n78(3700-3800)	30	20	647334	1@49	CP_16QAM	16.59	1.7	18.29	67.45	1000	PASS
n78(3700-3800)	30	20	647334	51@0	CP_64QAM	15.13	1.7	16.83	48.19	1000	PASS
n78(3700-3800)	30	20	647334	25@12	CP_64QAM	14.9	1.7	16.6	45.71	1000	PASS
n78(3700-3800)	30	20	647334	1@1	CP_64QAM	14.82	1.7	16.52	44.87	1000	PASS
n78(3700-3800)	30	20	647334	1@49	CP_64QAM	14.86	1.7	16.56	45.29	1000	PASS
n78(3700-3800)	30	20	647334	51@0	CP_256QAM	12.1	1.7	13.8	23.99	1000	PASS
n78(3700-3800)	30	20	647334	25@12	CP_256QAM	12.09	1.7	13.79	23.93	1000	PASS
n78(3700-3800)	30	20	647334	1@1	CP_256QAM	11.93	1.7	13.63	23.07	1000	PASS
n78(3700-3800)	30	20	647334	1@49	CP_256QAM	11.87	1.7	13.57	22.75	1000	PASS
n78(3700-3800)	30	20	650000	50@0	DFT_BPSK	18.13	1.7	19.83	96.16	1000	PASS
n78(3700-3800)	30	20	650000	25@12	DFT_BPSK	18.6	1.7	20.3	107.15	1000	PASS
n78(3700-3800)	30	20	650000	1@1	DFT_BPSK	18.48	1.7	20.18	104.23	1000	PASS
n78(3700-3800)	30	20	650000	1@49	DFT_BPSK	18.6	1.7	20.3	107.15	1000	PASS
n78(3700-3800)	30	20	650000	50@0	DFT_QPSK	17.58	1.7	19.28	84.72	1000	PASS
n78(3700-3800)	30	20	650000	25@12	DFT_QPSK	18.66	1.7	20.36	108.64	1000	PASS
n78(3700-3800)	30	20	650000	1@1	DFT_QPSK	18.46	1.7	20.16	103.75	1000	PASS
n78(3700-3800)	30	20	650000	1@49	DFT_QPSK	18.59	1.7	20.29	106.91	1000	PASS
n78(3700-3800)	30	20	650000	50@0	DFT_16QAM	16.54	1.7	18.24	66.68	1000	PASS
n78(3700-3800)	30	20	650000	25@12	DFT_16QAM	17.54	1.7	19.24	83.95	1000	PASS
n78(3700-3800)	30	20	650000	1@1	DFT_16QAM	17.62	1.7	19.32	85.51	1000	PASS
n78(3700-3800)	30	20	650000	1@49	DFT_16QAM	17.7	1.7	19.4	87.1	1000	PASS
n78(3700-3800)	30	20	650000	50@0	DFT_64QAM	16.04	1.7	17.74	59.43	1000	PASS
n78(3700-3800)	30	20	650000	25@12	DFT_64QAM	16.1	1.7	17.8	60.26	1000	PASS
n78(3700-3800)	30	20	650000	1@1	DFT_64QAM	16.01	1.7	17.71	59.02	1000	PASS
n78(3700-3800)	30	20	650000	1@49	DFT_64QAM	16.22	1.7	17.92	61.94	1000	PASS
n78(3700-3800)	30	20	650000	50@0	DFT_256QAM	14.08	1.7	15.78	37.84	1000	PASS
n78(3700-3800)	30	20	650000	25@12	DFT_256QAM	14.08	1.7	15.78	37.84	1000	PASS
n78(3700-3800)	30	20	650000	1@1	DFT_256QAM	13.8	1.7	15.5	35.48	1000	PASS
n78(3700-3800)	30	20	650000	1@49	DFT_256QAM	13.94	1.7	15.64	36.64	1000	PASS
n78(3700-3800)	30	20	650000	51@0	CP_QPSK	15.54	1.7	17.24	52.97	1000	PASS
n78(3700-3800)	30	20	650000	25@12	CP_QPSK	17.1	1.7	18.8	75.86	1000	PASS
n78(3700-3800)	30	20	650000	1@1	CP_QPSK	17.21	1.7	18.91	77.8	1000	PASS
n78(3700-3800)	30	20	650000	1@49	CP_QPSK	17.34	1.7	19.04	80.17	1000	PASS
n78(3700-3800)	30	20	650000	51@0	CP_16QAM	15.62	1.7	17.32	53.95	1000	PASS
n78(3700-3800)	30	20	650000	25@12	CP_16QAM	16.66	1.7	18.36	68.55	1000	PASS
n78(3700-3800)	30	20	650000	1@1	CP_16QAM	16.58	1.7	18.28	67.3	1000	PASS
n78(3700-3800)	30	20	650000	1@49	CP_16QAM	16.68	1.7	18.38	68.87	1000	PASS
n78(3700-3800)	30	20	650000	51@0	CP_64QAM	15.12	1.7	16.82	48.08	1000	PASS
n78(3700-3800)	30	20	650000	25@12	CP_64QAM	15.2	1.7	16.9	48.98	1000	PASS
n78(3700-3800)	30	20	650000	1@1	CP_64QAM	14.87	1.7	16.57	45.39	1000	PASS

n78(3700-3800)	30	20	650000	1@49	CP_64QAM	14.96	1.7	16.66	46.34	1000	PASS
n78(3700-3800)	30	20	650000	51@0	CP_256QAM	12.12	1.7	13.82	24.1	1000	PASS
n78(3700-3800)	30	20	650000	25@12	CP_256QAM	12.14	1.7	13.84	24.21	1000	PASS
n78(3700-3800)	30	20	650000	1@1	CP_256QAM	11.93	1.7	13.63	23.07	1000	PASS
n78(3700-3800)	30	20	650000	1@49	CP_256QAM	12.07	1.7	13.77	23.82	1000	PASS
n78(3700-3800)	30	20	652666	50@0	DFT_BPSK	18.24	1.7	19.94	98.63	1000	PASS
n78(3700-3800)	30	20	652666	25@12	DFT_BPSK	18.81	1.7	20.51	112.46	1000	PASS
n78(3700-3800)	30	20	652666	1@1	DFT_BPSK	18.42	1.7	20.12	102.8	1000	PASS
n78(3700-3800)	30	20	652666	1@49	DFT_BPSK	18.81	1.7	20.51	112.46	1000	PASS
n78(3700-3800)	30	20	652666	50@0	DFT_QPSK	17.72	1.7	19.42	87.5	1000	PASS
n78(3700-3800)	30	20	652666	25@12	DFT_QPSK	18.76	1.7	20.46	111.17	1000	PASS
n78(3700-3800)	30	20	652666	1@1	DFT_QPSK	18.41	1.7	20.11	102.57	1000	PASS
n78(3700-3800)	30	20	652666	1@49	DFT_QPSK	18.79	1.7	20.49	111.94	1000	PASS
n78(3700-3800)	30	20	652666	50@0	DFT_16QAM	16.71	1.7	18.41	69.34	1000	PASS
n78(3700-3800)	30	20	652666	25@12	DFT_16QAM	17.71	1.7	19.41	87.3	1000	PASS
n78(3700-3800)	30	20	652666	1@1	DFT_16QAM	17.54	1.7	19.24	83.95	1000	PASS
n78(3700-3800)	30	20	652666	1@49	DFT_16QAM	17.9	1.7	19.6	91.2	1000	PASS
n78(3700-3800)	30	20	652666	50@0	DFT_64QAM	16.18	1.7	17.88	61.38	1000	PASS
n78(3700-3800)	30	20	652666	25@12	DFT_64QAM	16.19	1.7	17.89	61.52	1000	PASS
n78(3700-3800)	30	20	652666	1@1	DFT_64QAM	15.98	1.7	17.68	58.61	1000	PASS
n78(3700-3800)	30	20	652666	1@49	DFT_64QAM	16.36	1.7	18.06	63.97	1000	PASS
n78(3700-3800)	30	20	652666	50@0	DFT_256QAM	14.15	1.7	15.85	38.46	1000	PASS
n78(3700-3800)	30	20	652666	25@12	DFT_256QAM	14.17	1.7	15.87	38.64	1000	PASS
n78(3700-3800)	30	20	652666	1@1	DFT_256QAM	13.78	1.7	15.48	35.32	1000	PASS
n78(3700-3800)	30	20	652666	1@49	DFT_256QAM	14.08	1.7	15.78	37.84	1000	PASS
n78(3700-3800)	30	20	652666	51@0	CP_QPSK	15.69	1.7	17.39	54.83	1000	PASS
n78(3700-3800)	30	20	652666	25@12	CP_QPSK	17.22	1.7	18.92	77.98	1000	PASS
n78(3700-3800)	30	20	652666	1@1	CP_QPSK	17.07	1.7	18.77	75.34	1000	PASS
n78(3700-3800)	30	20	652666	1@49	CP_QPSK	17.5	1.7	19.2	83.18	1000	PASS
n78(3700-3800)	30	20	652666	51@0	CP_16QAM	15.71	1.7	17.41	55.08	1000	PASS
n78(3700-3800)	30	20	652666	25@12	CP_16QAM	16.78	1.7	18.48	70.47	1000	PASS
n78(3700-3800)	30	20	652666	1@1	CP_16QAM	16.47	1.7	18.17	65.61	1000	PASS
n78(3700-3800)	30	20	652666	1@49	CP_16QAM	16.78	1.7	18.48	70.47	1000	PASS
n78(3700-3800)	30	20	652666	51@0	CP_64QAM	15.18	1.7	16.88	48.75	1000	PASS
n78(3700-3800)	30	20	652666	25@12	CP_64QAM	15	1.7	16.7	46.77	1000	PASS
n78(3700-3800)	30	20	652666	1@1	CP_64QAM	14.8	1.7	16.5	44.67	1000	PASS
n78(3700-3800)	30	20	652666	1@49	CP_64QAM	15.16	1.7	16.86	48.53	1000	PASS
n78(3700-3800)	30	20	652666	51@0	CP_256QAM	12.21	1.7	13.91	24.6	1000	PASS
n78(3700-3800)	30	20	652666	25@12	CP_256QAM	12.19	1.7	13.89	24.49	1000	PASS
n78(3700-3800)	30	20	652666	1@1	CP_256QAM	11.88	1.7	13.58	22.8	1000	PASS
n78(3700-3800)	30	20	652666	1@49	CP_256QAM	12.19	1.7	13.89	24.49	1000	PASS
n78(3700-3800)	30	40	648000	100@0	DFT_BPSK	16.99	1.7	18.69	73.96	1000	PASS
n78(3700-3800)	30	40	648000	50@25	DFT_BPSK	17.55	1.7	19.25	84.14	1000	PASS

n78(3700-3800)	30	40	648000	1@1	DFT_BPSK	17.34	1.7	19.04	80.17	1000	PASS
n78(3700-3800)	30	40	648000	1@104	DFT_BPSK	17.37	1.7	19.07	80.72	1000	PASS
n78(3700-3800)	30	40	648000	100@0	DFT_QPSK	16.5	1.7	18.2	66.07	1000	PASS
n78(3700-3800)	30	40	648000	50@25	DFT_QPSK	17.48	1.7	19.18	82.79	1000	PASS
n78(3700-3800)	30	40	648000	1@1	DFT_QPSK	17.4	1.7	19.1	81.28	1000	PASS
n78(3700-3800)	30	40	648000	1@104	DFT_QPSK	17.35	1.7	19.05	80.35	1000	PASS
n78(3700-3800)	30	40	648000	100@0	DFT_16QAM	15.49	1.7	17.19	52.36	1000	PASS
n78(3700-3800)	30	40	648000	50@25	DFT_16QAM	16.52	1.7	18.22	66.37	1000	PASS
n78(3700-3800)	30	40	648000	1@1	DFT_16QAM	16.44	1.7	18.14	65.16	1000	PASS
n78(3700-3800)	30	40	648000	1@104	DFT_16QAM	16.43	1.7	18.13	65.01	1000	PASS
n78(3700-3800)	30	40	648000	100@0	DFT_64QAM	14.96	1.7	16.66	46.34	1000	PASS
n78(3700-3800)	30	40	648000	50@25	DFT_64QAM	14.98	1.7	16.68	46.56	1000	PASS
n78(3700-3800)	30	40	648000	1@1	DFT_64QAM	15.01	1.7	16.71	46.88	1000	PASS
n78(3700-3800)	30	40	648000	1@104	DFT_64QAM	14.98	1.7	16.68	46.56	1000	PASS
n78(3700-3800)	30	40	648000	100@0	DFT_256QAM	12.9	1.7	14.6	28.84	1000	PASS
n78(3700-3800)	30	40	648000	50@25	DFT_256QAM	12.89	1.7	14.59	28.77	1000	PASS
n78(3700-3800)	30	40	648000	1@1	DFT_256QAM	12.64	1.7	14.34	27.16	1000	PASS
n78(3700-3800)	30	40	648000	1@104	DFT_256QAM	12.58	1.7	14.28	26.79	1000	PASS
n78(3700-3800)	30	40	648000	106@0	CP_QPSK	14.46	1.7	16.16	41.3	1000	PASS
n78(3700-3800)	30	40	648000	53@26	CP_QPSK	16.01	1.7	17.71	59.02	1000	PASS
n78(3700-3800)	30	40	648000	1@1	CP_QPSK	16.08	1.7	17.78	59.98	1000	PASS
n78(3700-3800)	30	40	648000	1@104	CP_QPSK	16.04	1.7	17.74	59.43	1000	PASS
n78(3700-3800)	30	40	648000	106@0	CP_16QAM	14.47	1.7	16.17	41.4	1000	PASS
n78(3700-3800)	30	40	648000	53@26	CP_16QAM	15.51	1.7	17.21	52.6	1000	PASS
n78(3700-3800)	30	40	648000	1@1	CP_16QAM	15.41	1.7	17.11	51.4	1000	PASS
n78(3700-3800)	30	40	648000	1@104	CP_16QAM	15.37	1.7	17.07	50.93	1000	PASS
n78(3700-3800)	30	40	648000	106@0	CP_64QAM	13.96	1.7	15.66	36.81	1000	PASS
n78(3700-3800)	30	40	648000	53@26	CP_64QAM	13.99	1.7	15.69	37.07	1000	PASS
n78(3700-3800)	30	40	648000	1@1	CP_64QAM	13.71	1.7	15.41	34.75	1000	PASS
n78(3700-3800)	30	40	648000	1@104	CP_64QAM	13.62	1.7	15.32	34.04	1000	PASS
n78(3700-3800)	30	40	648000	106@0	CP_256QAM	10.9	1.7	12.6	18.2	1000	PASS
n78(3700-3800)	30	40	648000	53@26	CP_256QAM	10.93	1.7	12.63	18.32	1000	PASS
n78(3700-3800)	30	40	648000	1@1	CP_256QAM	10.76	1.7	12.46	17.62	1000	PASS
n78(3700-3800)	30	40	648000	1@104	CP_256QAM	10.68	1.7	12.38	17.3	1000	PASS
n78(3700-3800)	30	40	650000	100@0	DFT_BPSK	14.5	1.7	16.2	41.69	1000	PASS
n78(3700-3800)	30	40	650000	50@25	DFT_BPSK	17.56	1.7	19.26	84.33	1000	PASS
n78(3700-3800)	30	40	650000	1@1	DFT_BPSK	17.44	1.7	19.14	82.04	1000	PASS
n78(3700-3800)	30	40	650000	1@104	DFT_BPSK	17.57	1.7	19.27	84.53	1000	PASS
n78(3700-3800)	30	40	650000	100@0	DFT_QPSK	16.57	1.7	18.27	67.14	1000	PASS
n78(3700-3800)	30	40	650000	50@25	DFT_QPSK	16.7	1.7	18.4	69.18	1000	PASS
n78(3700-3800)	30	40	650000	1@1	DFT_QPSK	17.45	1.7	19.15	82.22	1000	PASS
n78(3700-3800)	30	40	650000	1@104	DFT_QPSK	17.6	1.7	19.3	85.11	1000	PASS
n78(3700-3800)	30	40	650000	100@0	DFT_16QAM	15.56	1.7	17.26	53.21	1000	PASS

n78(3700-3800)	30	40	650000	50@25	DFT_16QAM	16.59	1.7	18.29	67.45	1000	PASS
n78(3700-3800)	30	40	650000	1@1	DFT_16QAM	16.5	1.7	18.2	66.07	1000	PASS
n78(3700-3800)	30	40	650000	1@104	DFT_16QAM	16.66	1.7	18.36	68.55	1000	PASS
n78(3700-3800)	30	40	650000	100@0	DFT_64QAM	15.06	1.7	16.76	47.42	1000	PASS
n78(3700-3800)	30	40	650000	50@25	DFT_64QAM	15.02	1.7	16.72	46.99	1000	PASS
n78(3700-3800)	30	40	650000	1@1	DFT_64QAM	15.04	1.7	16.74	47.21	1000	PASS
n78(3700-3800)	30	40	650000	1@104	DFT_64QAM	15.22	1.7	16.92	49.2	1000	PASS
n78(3700-3800)	30	40	650000	100@0	DFT_256QAM	13.01	1.7	14.71	29.58	1000	PASS
n78(3700-3800)	30	40	650000	50@25	DFT_256QAM	12.99	1.7	14.69	29.44	1000	PASS
n78(3700-3800)	30	40	650000	1@1	DFT_256QAM	12.65	1.7	14.35	27.23	1000	PASS
n78(3700-3800)	30	40	650000	1@104	DFT_256QAM	12.84	1.7	14.54	28.44	1000	PASS
n78(3700-3800)	30	40	650000	106@0	CP_QPSK	14.56	1.7	16.26	42.27	1000	PASS
n78(3700-3800)	30	40	650000	53@26	CP_QPSK	16.09	1.7	17.79	60.12	1000	PASS
n78(3700-3800)	30	40	650000	1@1	CP_QPSK	16.12	1.7	17.82	60.53	1000	PASS
n78(3700-3800)	30	40	650000	1@104	CP_QPSK	16.32	1.7	18.02	63.39	1000	PASS
n78(3700-3800)	30	40	650000	106@0	CP_16QAM	14.9	1.7	16.6	45.71	1000	PASS
n78(3700-3800)	30	40	650000	53@26	CP_16QAM	15.56	1.7	17.26	53.21	1000	PASS
n78(3700-3800)	30	40	650000	1@1	CP_16QAM	15.51	1.7	17.21	52.6	1000	PASS
n78(3700-3800)	30	40	650000	1@104	CP_16QAM	15.67	1.7	17.37	54.58	1000	PASS
n78(3700-3800)	30	40	650000	106@0	CP_64QAM	14.05	1.7	15.75	37.58	1000	PASS
n78(3700-3800)	30	40	650000	53@26	CP_64QAM	14.06	1.7	15.76	37.67	1000	PASS
n78(3700-3800)	30	40	650000	1@1	CP_64QAM	13.78	1.7	15.48	35.32	1000	PASS
n78(3700-3800)	30	40	650000	1@104	CP_64QAM	13.97	1.7	15.67	36.9	1000	PASS
n78(3700-3800)	30	40	650000	106@0	CP_256QAM	10.99	1.7	12.69	18.58	1000	PASS
n78(3700-3800)	30	40	650000	53@26	CP_256QAM	11.04	1.7	12.74	18.79	1000	PASS
n78(3700-3800)	30	40	650000	1@1	CP_256QAM	10.79	1.7	12.49	17.74	1000	PASS
n78(3700-3800)	30	40	650000	1@104	CP_256QAM	10.96	1.7	12.66	18.45	1000	PASS
n78(3700-3800)	30	40	652000	100@0	DFT_BPSK	17.11	1.7	18.81	76.03	1000	PASS
n78(3700-3800)	30	40	652000	50@25	DFT_BPSK	17.64	1.7	19.34	85.9	1000	PASS
n78(3700-3800)	30	40	652000	1@1	DFT_BPSK	17.26	1.7	18.96	78.7	1000	PASS
n78(3700-3800)	30	40	652000	1@104	DFT_BPSK	17.81	1.7	19.51	89.33	1000	PASS
n78(3700-3800)	30	40	652000	100@0	DFT_QPSK	16.66	1.7	18.36	68.55	1000	PASS
n78(3700-3800)	30	40	652000	50@25	DFT_QPSK	17.61	1.7	19.31	85.31	1000	PASS
n78(3700-3800)	30	40	652000	1@1	DFT_QPSK	17.31	1.7	19.01	79.62	1000	PASS
n78(3700-3800)	30	40	652000	1@104	DFT_QPSK	17.84	1.7	19.54	89.95	1000	PASS
n78(3700-3800)	30	40	652000	100@0	DFT_16QAM	15.64	1.7	17.34	54.2	1000	PASS
n78(3700-3800)	30	40	652000	50@25	DFT_16QAM	16.59	1.7	18.29	67.45	1000	PASS
n78(3700-3800)	30	40	652000	1@1	DFT_16QAM	16.38	1.7	18.08	64.27	1000	PASS
n78(3700-3800)	30	40	652000	1@104	DFT_16QAM	16.88	1.7	18.58	72.11	1000	PASS
n78(3700-3800)	30	40	652000	100@0	DFT_64QAM	15.1	1.7	16.8	47.86	1000	PASS
n78(3700-3800)	30	40	652000	50@25	DFT_64QAM	15.09	1.7	16.79	47.75	1000	PASS
n78(3700-3800)	30	40	652000	1@1	DFT_64QAM	14.9	1.7	16.6	45.71	1000	PASS
n78(3700-3800)	30	40	652000	1@104	DFT_64QAM	15.4	1.7	17.1	51.29	1000	PASS

n78(3700-3800)	30	40	652000	100@0	DFT_256QAM	12.7	1.7	14.4	27.54	1000	PASS
n78(3700-3800)	30	40	652000	50@25	DFT_256QAM	13.03	1.7	14.73	29.72	1000	PASS
n78(3700-3800)	30	40	652000	1@1	DFT_256QAM	13.1	1.7	14.8	30.2	1000	PASS
n78(3700-3800)	30	40	652000	1@104	DFT_256QAM	13.16	1.7	14.86	30.62	1000	PASS
n78(3700-3800)	30	40	652000	106@0	CP_QPSK	14.62	1.7	16.32	42.85	1000	PASS
n78(3700-3800)	30	40	652000	53@26	CP_QPSK	16.14	1.7	17.84	60.81	1000	PASS
n78(3700-3800)	30	40	652000	1@1	CP_QPSK	15.91	1.7	17.61	57.68	1000	PASS
n78(3700-3800)	30	40	652000	1@104	CP_QPSK	16.51	1.7	18.21	66.22	1000	PASS
n78(3700-3800)	30	40	652000	106@0	CP_16QAM	14.6	1.7	16.3	42.66	1000	PASS
n78(3700-3800)	30	40	652000	53@26	CP_16QAM	15.6	1.7	17.3	53.7	1000	PASS
n78(3700-3800)	30	40	652000	1@1	CP_16QAM	15.36	1.7	17.06	50.82	1000	PASS
n78(3700-3800)	30	40	652000	1@104	CP_16QAM	15.2	1.7	16.9	48.98	1000	PASS
n78(3700-3800)	30	40	652000	106@0	CP_64QAM	14.12	1.7	15.82	38.19	1000	PASS
n78(3700-3800)	30	40	652000	53@26	CP_64QAM	14.11	1.7	15.81	38.11	1000	PASS
n78(3700-3800)	30	40	652000	1@1	CP_64QAM	13.66	1.7	15.36	34.36	1000	PASS
n78(3700-3800)	30	40	652000	1@104	CP_64QAM	14.19	1.7	15.89	38.82	1000	PASS
n78(3700-3800)	30	40	652000	106@0	CP_256QAM	11.06	1.7	12.76	18.88	1000	PASS
n78(3700-3800)	30	40	652000	53@26	CP_256QAM	11.05	1.7	12.75	18.84	1000	PASS
n78(3700-3800)	30	40	652000	1@1	CP_256QAM	10.67	1.7	12.37	17.26	1000	PASS
n78(3700-3800)	30	40	652000	1@104	CP_256QAM	11.19	1.7	12.89	19.45	1000	PASS
n78(3700-3800)	30	50	648334	128@0	DFT_BPSK	16.52	1.7	18.22	66.37	1000	PASS
n78(3700-3800)	30	50	648334	64@32	DFT_BPSK	17.58	1.7	19.28	84.72	1000	PASS
n78(3700-3800)	30	50	648334	1@1	DFT_BPSK	17.34	1.7	19.04	80.17	1000	PASS
n78(3700-3800)	30	50	648334	1@131	DFT_BPSK	17.41	1.7	19.11	81.47	1000	PASS
n78(3700-3800)	30	50	648334	128@0	DFT_QPSK	16.49	1.7	18.19	65.92	1000	PASS
n78(3700-3800)	30	50	648334	64@32	DFT_QPSK	17.56	1.7	19.26	84.33	1000	PASS
n78(3700-3800)	30	50	648334	1@1	DFT_QPSK	17.39	1.7	19.09	81.1	1000	PASS
n78(3700-3800)	30	50	648334	1@131	DFT_QPSK	17.41	1.7	19.11	81.47	1000	PASS
n78(3700-3800)	30	50	648334	128@0	DFT_16QAM	15.49	1.7	17.19	52.36	1000	PASS
n78(3700-3800)	30	50	648334	64@32	DFT_16QAM	16.47	1.7	18.17	65.61	1000	PASS
n78(3700-3800)	30	50	648334	1@1	DFT_16QAM	16.51	1.7	18.21	66.22	1000	PASS
n78(3700-3800)	30	50	648334	1@131	DFT_16QAM	16.55	1.7	18.25	66.83	1000	PASS
n78(3700-3800)	30	50	648334	128@0	DFT_64QAM	15.02	1.7	16.72	46.99	1000	PASS
n78(3700-3800)	30	50	648334	64@32	DFT_64QAM	14.98	1.7	16.68	46.56	1000	PASS
n78(3700-3800)	30	50	648334	1@1	DFT_64QAM	15.04	1.7	16.74	47.21	1000	PASS
n78(3700-3800)	30	50	648334	1@131	DFT_64QAM	15.09	1.7	16.79	47.75	1000	PASS
n78(3700-3800)	30	50	648334	128@0	DFT_256QAM	12.96	1.7	14.66	29.24	1000	PASS
n78(3700-3800)	30	50	648334	64@32	DFT_256QAM	12.96	1.7	14.66	29.24	1000	PASS
n78(3700-3800)	30	50	648334	1@1	DFT_256QAM	12.65	1.7	14.35	27.23	1000	PASS
n78(3700-3800)	30	50	648334	1@131	DFT_256QAM	12.68	1.7	14.38	27.42	1000	PASS
n78(3700-3800)	30	50	648334	133@0	CP_QPSK	15.5	1.7	17.2	52.48	1000	PASS
n78(3700-3800)	30	50	648334	67@33	CP_QPSK	15.98	1.7	17.68	58.61	1000	PASS
n78(3700-3800)	30	50	648334	1@1	CP_QPSK	16.09	1.7	17.79	60.12	1000	PASS

n78(3700-3800)	30	50	648334	1@131	CP_QPSK	16.03	1.7	17.73	59.29	1000	PASS
n78(3700-3800)	30	50	648334	133@0	CP_16QAM	14.44	1.7	16.14	41.11	1000	PASS
n78(3700-3800)	30	50	648334	67@33	CP_16QAM	15.5	1.7	17.2	52.48	1000	PASS
n78(3700-3800)	30	50	648334	1@1	CP_16QAM	15.43	1.7	17.13	51.64	1000	PASS
n78(3700-3800)	30	50	648334	1@131	CP_16QAM	15.44	1.7	17.14	51.76	1000	PASS
n78(3700-3800)	30	50	648334	133@0	CP_64QAM	13.98	1.7	15.68	36.98	1000	PASS
n78(3700-3800)	30	50	648334	67@33	CP_64QAM	13.8	1.7	15.5	35.48	1000	PASS
n78(3700-3800)	30	50	648334	1@1	CP_64QAM	13.65	1.7	15.35	34.28	1000	PASS
n78(3700-3800)	30	50	648334	1@131	CP_64QAM	13.68	1.7	15.38	34.51	1000	PASS
n78(3700-3800)	30	50	648334	133@0	CP_256QAM	10.95	1.7	12.65	18.41	1000	PASS
n78(3700-3800)	30	50	648334	67@33	CP_256QAM	10.94	1.7	12.64	18.37	1000	PASS
n78(3700-3800)	30	50	648334	1@1	CP_256QAM	10.73	1.7	12.43	17.5	1000	PASS
n78(3700-3800)	30	50	648334	1@131	CP_256QAM	10.73	1.7	12.43	17.5	1000	PASS
n78(3700-3800)	30	50	650000	128@0	DFT_BPSK	16.9	1.7	18.6	72.44	1000	PASS
n78(3700-3800)	30	50	650000	64@32	DFT_BPSK	17.67	1.7	19.37	86.5	1000	PASS
n78(3700-3800)	30	50	650000	1@1	DFT_BPSK	17.4	1.7	19.1	81.28	1000	PASS
n78(3700-3800)	30	50	650000	1@131	DFT_BPSK	17.62	1.7	19.32	85.51	1000	PASS
n78(3700-3800)	30	50	650000	128@0	DFT_QPSK	16.58	1.7	18.28	67.3	1000	PASS
n78(3700-3800)	30	50	650000	64@32	DFT_QPSK	17.62	1.7	19.32	85.51	1000	PASS
n78(3700-3800)	30	50	650000	1@1	DFT_QPSK	17.38	1.7	19.08	80.91	1000	PASS
n78(3700-3800)	30	50	650000	1@131	DFT_QPSK	17.61	1.7	19.31	85.31	1000	PASS
n78(3700-3800)	30	50	650000	128@0	DFT_16QAM	15.56	1.7	17.26	53.21	1000	PASS
n78(3700-3800)	30	50	650000	64@32	DFT_16QAM	16.1	1.7	17.8	60.26	1000	PASS
n78(3700-3800)	30	50	650000	1@1	DFT_16QAM	16.54	1.7	18.24	66.68	1000	PASS
n78(3700-3800)	30	50	650000	1@131	DFT_16QAM	16	1.7	17.7	58.88	1000	PASS
n78(3700-3800)	30	50	650000	128@0	DFT_64QAM	15.1	1.7	16.8	47.86	1000	PASS
n78(3700-3800)	30	50	650000	64@32	DFT_64QAM	15.08	1.7	16.78	47.64	1000	PASS
n78(3700-3800)	30	50	650000	1@1	DFT_64QAM	15.07	1.7	16.77	47.53	1000	PASS
n78(3700-3800)	30	50	650000	1@131	DFT_64QAM	15.23	1.7	16.93	49.32	1000	PASS
n78(3700-3800)	30	50	650000	128@0	DFT_256QAM	13.06	1.7	14.76	29.92	1000	PASS
n78(3700-3800)	30	50	650000	64@32	DFT_256QAM	13.06	1.7	14.76	29.92	1000	PASS
n78(3700-3800)	30	50	650000	1@1	DFT_256QAM	12.69	1.7	14.39	27.48	1000	PASS
n78(3700-3800)	30	50	650000	1@131	DFT_256QAM	12.92	1.7	14.62	28.97	1000	PASS
n78(3700-3800)	30	50	650000	133@0	CP_QPSK	15.4	1.7	17.1	51.29	1000	PASS
n78(3700-3800)	30	50	650000	67@33	CP_QPSK	16.06	1.7	17.76	59.7	1000	PASS
n78(3700-3800)	30	50	650000	1@1	CP_QPSK	16.06	1.7	17.76	59.7	1000	PASS
n78(3700-3800)	30	50	650000	1@131	CP_QPSK	16.27	1.7	17.97	62.66	1000	PASS
n78(3700-3800)	30	50	650000	133@0	CP_16QAM	14.51	1.7	16.21	41.78	1000	PASS
n78(3700-3800)	30	50	650000	67@33	CP_16QAM	15.55	1.7	17.25	53.09	1000	PASS
n78(3700-3800)	30	50	650000	1@1	CP_16QAM	15.44	1.7	17.14	51.76	1000	PASS
n78(3700-3800)	30	50	650000	1@131	CP_16QAM	15.67	1.7	17.37	54.58	1000	PASS
n78(3700-3800)	30	50	650000	133@0	CP_64QAM	14.08	1.7	15.78	37.84	1000	PASS
n78(3700-3800)	30	50	650000	67@33	CP_64QAM	13.9	1.7	15.6	36.31	1000	PASS

n78(3700-3800)	30	50	650000	1@1	CP_64QAM	13.7	1.7	15.4	34.67	1000	PASS
n78(3700-3800)	30	50	650000	1@131	CP_64QAM	13.9	1.7	15.6	36.31	1000	PASS
n78(3700-3800)	30	50	650000	133@0	CP_256QAM	11.01	1.7	12.71	18.66	1000	PASS
n78(3700-3800)	30	50	650000	67@33	CP_256QAM	11.02	1.7	12.72	18.71	1000	PASS
n78(3700-3800)	30	50	650000	1@1	CP_256QAM	10.77	1.7	12.47	17.66	1000	PASS
n78(3700-3800)	30	50	650000	1@131	CP_256QAM	10.97	1.7	12.67	18.49	1000	PASS
n78(3700-3800)	30	50	651666	128@0	DFT_BPSK	17.16	1.7	18.86	76.91	1000	PASS
n78(3700-3800)	30	50	651666	64@32	DFT_BPSK	17.1	1.7	18.8	75.86	1000	PASS
n78(3700-3800)	30	50	651666	1@1	DFT_BPSK	17.22	1.7	18.92	77.98	1000	PASS
n78(3700-3800)	30	50	651666	1@131	DFT_BPSK	17.81	1.7	19.51	89.33	1000	PASS
n78(3700-3800)	30	50	651666	128@0	DFT_QPSK	16.58	1.7	18.28	67.3	1000	PASS
n78(3700-3800)	30	50	651666	64@32	DFT_QPSK	17.57	1.7	19.27	84.53	1000	PASS
n78(3700-3800)	30	50	651666	1@1	DFT_QPSK	17.22	1.7	18.92	77.98	1000	PASS
n78(3700-3800)	30	50	651666	1@131	DFT_QPSK	17.83	1.7	19.53	89.74	1000	PASS
n78(3700-3800)	30	50	651666	128@0	DFT_16QAM	15.55	1.7	17.25	53.09	1000	PASS
n78(3700-3800)	30	50	651666	64@32	DFT_16QAM	16.57	1.7	18.27	67.14	1000	PASS
n78(3700-3800)	30	50	651666	1@1	DFT_16QAM	16.3	1.7	18	63.1	1000	PASS
n78(3700-3800)	30	50	651666	1@131	DFT_16QAM	16.93	1.7	18.63	72.95	1000	PASS
n78(3700-3800)	30	50	651666	128@0	DFT_64QAM	15.04	1.7	16.74	47.21	1000	PASS
n78(3700-3800)	30	50	651666	64@32	DFT_64QAM	15.02	1.7	16.72	46.99	1000	PASS
n78(3700-3800)	30	50	651666	1@1	DFT_64QAM	14.75	1.7	16.45	44.16	1000	PASS
n78(3700-3800)	30	50	651666	1@131	DFT_64QAM	15.37	1.7	17.07	50.93	1000	PASS
n78(3700-3800)	30	50	651666	128@0	DFT_256QAM	13.07	1.7	14.77	29.99	1000	PASS
n78(3700-3800)	30	50	651666	64@32	DFT_256QAM	13.04	1.7	14.74	29.79	1000	PASS
n78(3700-3800)	30	50	651666	1@1	DFT_256QAM	12.53	1.7	14.23	26.49	1000	PASS
n78(3700-3800)	30	50	651666	1@131	DFT_256QAM	13.09	1.7	14.79	30.13	1000	PASS
n78(3700-3800)	30	50	651666	133@0	CP_QPSK	14.57	1.7	16.27	42.36	1000	PASS
n78(3700-3800)	30	50	651666	67@33	CP_QPSK	16.04	1.7	17.74	59.43	1000	PASS
n78(3700-3800)	30	50	651666	1@1	CP_QPSK	15.83	1.7	17.53	56.62	1000	PASS
n78(3700-3800)	30	50	651666	1@131	CP_QPSK	16.47	1.7	18.17	65.61	1000	PASS
n78(3700-3800)	30	50	651666	133@0	CP_16QAM	14.54	1.7	16.24	42.07	1000	PASS
n78(3700-3800)	30	50	651666	67@33	CP_16QAM	15.56	1.7	17.26	53.21	1000	PASS
n78(3700-3800)	30	50	651666	1@1	CP_16QAM	15.21	1.7	16.91	49.09	1000	PASS
n78(3700-3800)	30	50	651666	1@131	CP_16QAM	15.86	1.7	17.56	57.02	1000	PASS
n78(3700-3800)	30	50	651666	133@0	CP_64QAM	14.05	1.7	15.75	37.58	1000	PASS
n78(3700-3800)	30	50	651666	67@33	CP_64QAM	14.06	1.7	15.76	37.67	1000	PASS
n78(3700-3800)	30	50	651666	1@1	CP_64QAM	13.9	1.7	15.6	36.31	1000	PASS
n78(3700-3800)	30	50	651666	1@131	CP_64QAM	14.13	1.7	15.83	38.28	1000	PASS
n78(3700-3800)	30	50	651666	133@0	CP_256QAM	11.04	1.7	12.74	18.79	1000	PASS
n78(3700-3800)	30	50	651666	67@33	CP_256QAM	11.04	1.7	12.74	18.79	1000	PASS
n78(3700-3800)	30	50	651666	1@1	CP_256QAM	10.59	1.7	12.29	16.94	1000	PASS
n78(3700-3800)	30	50	651666	1@131	CP_256QAM	11.19	1.7	12.89	19.45	1000	PASS
n78(3700-3800)	30	60	648668	162@0	DFT_BPSK	16.94	1.7	18.64	73.11	1000	PASS

n78(3700-3800)	30	60	648668	81@40	DFT_BPSK	17.48	1.7	19.18	82.79	1000	PASS
n78(3700-3800)	30	60	648668	1@1	DFT_BPSK	17.26	1.7	18.96	78.7	1000	PASS
n78(3700-3800)	30	60	648668	1@160	DFT_BPSK	17.38	1.7	19.08	80.91	1000	PASS
n78(3700-3800)	30	60	648668	162@0	DFT_QPSK	16.42	1.7	18.12	64.86	1000	PASS
n78(3700-3800)	30	60	648668	81@40	DFT_QPSK	16.7	1.7	18.4	69.18	1000	PASS
n78(3700-3800)	30	60	648668	1@1	DFT_QPSK	17.33	1.7	19.03	79.98	1000	PASS
n78(3700-3800)	30	60	648668	1@160	DFT_QPSK	17.39	1.7	19.09	81.1	1000	PASS
n78(3700-3800)	30	60	648668	162@0	DFT_16QAM	15.42	1.7	17.12	51.52	1000	PASS
n78(3700-3800)	30	60	648668	81@40	DFT_16QAM	16.41	1.7	18.11	64.71	1000	PASS
n78(3700-3800)	30	60	648668	1@1	DFT_16QAM	16.4	1.7	18.1	64.57	1000	PASS
n78(3700-3800)	30	60	648668	1@160	DFT_16QAM	16.5	1.7	18.2	66.07	1000	PASS
n78(3700-3800)	30	60	648668	162@0	DFT_64QAM	14.92	1.7	16.62	45.92	1000	PASS
n78(3700-3800)	30	60	648668	81@40	DFT_64QAM	14.99	1.7	16.69	46.67	1000	PASS
n78(3700-3800)	30	60	648668	1@1	DFT_64QAM	14.9	1.7	16.6	45.71	1000	PASS
n78(3700-3800)	30	60	648668	1@160	DFT_64QAM	14.99	1.7	16.69	46.67	1000	PASS
n78(3700-3800)	30	60	648668	162@0	DFT_256QAM	12.89	1.7	14.59	28.77	1000	PASS
n78(3700-3800)	30	60	648668	81@40	DFT_256QAM	12.87	1.7	14.57	28.64	1000	PASS
n78(3700-3800)	30	60	648668	1@1	DFT_256QAM	12.62	1.7	14.32	27.04	1000	PASS
n78(3700-3800)	30	60	648668	1@160	DFT_256QAM	12.69	1.7	14.39	27.48	1000	PASS
n78(3700-3800)	30	60	648668	162@0	CP_QPSK	14.42	1.7	16.12	40.93	1000	PASS
n78(3700-3800)	30	60	648668	81@40	CP_QPSK	15.96	1.7	17.66	58.34	1000	PASS
n78(3700-3800)	30	60	648668	1@1	CP_QPSK	15.97	1.7	17.67	58.48	1000	PASS
n78(3700-3800)	30	60	648668	1@160	CP_QPSK	15.99	1.7	17.69	58.75	1000	PASS
n78(3700-3800)	30	60	648668	162@0	CP_16QAM	14.41	1.7	16.11	40.83	1000	PASS
n78(3700-3800)	30	60	648668	81@40	CP_16QAM	15.46	1.7	17.16	52	1000	PASS
n78(3700-3800)	30	60	648668	1@1	CP_16QAM	15.2	1.7	16.9	48.98	1000	PASS
n78(3700-3800)	30	60	648668	1@160	CP_16QAM	15.29	1.7	16.99	50	1000	PASS
n78(3700-3800)	30	60	648668	162@0	CP_64QAM	13.92	1.7	15.62	36.48	1000	PASS
n78(3700-3800)	30	60	648668	81@40	CP_64QAM	13.89	1.7	15.59	36.22	1000	PASS
n78(3700-3800)	30	60	648668	1@1	CP_64QAM	13.62	1.7	15.32	34.04	1000	PASS
n78(3700-3800)	30	60	648668	1@160	CP_64QAM	13.7	1.7	15.4	34.67	1000	PASS
n78(3700-3800)	30	60	648668	162@0	CP_256QAM	10.89	1.7	12.59	18.16	1000	PASS
n78(3700-3800)	30	60	648668	81@40	CP_256QAM	10.85	1.7	12.55	17.99	1000	PASS
n78(3700-3800)	30	60	648668	1@1	CP_256QAM	10.67	1.7	12.37	17.26	1000	PASS
n78(3700-3800)	30	60	648668	1@160	CP_256QAM	10.77	1.7	12.47	17.66	1000	PASS
n78(3700-3800)	30	60	650000	162@0	DFT_BPSK	14.53	1.7	16.23	41.98	1000	PASS
n78(3700-3800)	30	60	650000	81@40	DFT_BPSK	17.59	1.7	19.29	84.92	1000	PASS
n78(3700-3800)	30	60	650000	1@1	DFT_BPSK	17.42	1.7	19.12	81.66	1000	PASS
n78(3700-3800)	30	60	650000	1@160	DFT_BPSK	17.64	1.7	19.34	85.9	1000	PASS
n78(3700-3800)	30	60	650000	162@0	DFT_QPSK	16.56	1.7	18.26	66.99	1000	PASS
n78(3700-3800)	30	60	650000	81@40	DFT_QPSK	17.57	1.7	19.27	84.53	1000	PASS
n78(3700-3800)	30	60	650000	1@1	DFT_QPSK	17.43	1.7	19.13	81.85	1000	PASS
n78(3700-3800)	30	60	650000	1@160	DFT_QPSK	17.68	1.7	19.38	86.7	1000	PASS

n78(3700-3800)	30	60	650000	162@0	DFT_16QAM	15.56	1.7	17.26	53.21	1000	PASS
n78(3700-3800)	30	60	650000	81@40	DFT_16QAM	16.59	1.7	18.29	67.45	1000	PASS
n78(3700-3800)	30	60	650000	1@1	DFT_16QAM	16.51	1.7	18.21	66.22	1000	PASS
n78(3700-3800)	30	60	650000	1@160	DFT_16QAM	16.73	1.7	18.43	69.66	1000	PASS
n78(3700-3800)	30	60	650000	162@0	DFT_64QAM	15.06	1.7	16.76	47.42	1000	PASS
n78(3700-3800)	30	60	650000	81@40	DFT_64QAM	15.12	1.7	16.82	48.08	1000	PASS
n78(3700-3800)	30	60	650000	1@1	DFT_64QAM	15.05	1.7	16.75	47.32	1000	PASS
n78(3700-3800)	30	60	650000	1@160	DFT_64QAM	14.8	1.7	16.5	44.67	1000	PASS
n78(3700-3800)	30	60	650000	162@0	DFT_256QAM	16.55	1.7	18.25	66.83	1000	PASS
n78(3700-3800)	30	60	650000	81@40	DFT_256QAM	13.01	1.7	14.71	29.58	1000	PASS
n78(3700-3800)	30	60	650000	1@1	DFT_256QAM	12.7	1.7	14.4	27.54	1000	PASS
n78(3700-3800)	30	60	650000	1@160	DFT_256QAM	12.92	1.7	14.62	28.97	1000	PASS
n78(3700-3800)	30	60	650000	162@0	CP_QPSK	14.53	1.7	16.23	41.98	1000	PASS
n78(3700-3800)	30	60	650000	81@40	CP_QPSK	16.06	1.7	17.76	59.7	1000	PASS
n78(3700-3800)	30	60	650000	1@1	CP_QPSK	16.11	1.7	17.81	60.39	1000	PASS
n78(3700-3800)	30	60	650000	1@160	CP_QPSK	16.31	1.7	18.01	63.24	1000	PASS
n78(3700-3800)	30	60	650000	162@0	CP_16QAM	14.51	1.7	16.21	41.78	1000	PASS
n78(3700-3800)	30	60	650000	81@40	CP_16QAM	15.54	1.7	17.24	52.97	1000	PASS
n78(3700-3800)	30	60	650000	1@1	CP_16QAM	15.38	1.7	17.08	51.05	1000	PASS
n78(3700-3800)	30	60	650000	1@160	CP_16QAM	15.63	1.7	17.33	54.08	1000	PASS
n78(3700-3800)	30	60	650000	162@0	CP_64QAM	14.04	1.7	15.74	37.5	1000	PASS
n78(3700-3800)	30	60	650000	81@40	CP_64QAM	14.04	1.7	15.74	37.5	1000	PASS
n78(3700-3800)	30	60	650000	1@1	CP_64QAM	13.72	1.7	15.42	34.83	1000	PASS
n78(3700-3800)	30	60	650000	1@160	CP_64QAM	13.9	1.7	15.6	36.31	1000	PASS
n78(3700-3800)	30	60	650000	162@0	CP_256QAM	11.01	1.7	12.71	18.66	1000	PASS
n78(3700-3800)	30	60	650000	81@40	CP_256QAM	10.98	1.7	12.68	18.54	1000	PASS
n78(3700-3800)	30	60	650000	1@1	CP_256QAM	10.78	1.7	12.48	17.7	1000	PASS
n78(3700-3800)	30	60	650000	1@160	CP_256QAM	11.04	1.7	12.74	18.79	1000	PASS
n78(3700-3800)	30	60	651332	162@0	DFT_BPSK	17.09	1.7	18.79	75.68	1000	PASS
n78(3700-3800)	30	60	651332	81@40	DFT_BPSK	17.59	1.7	19.29	84.92	1000	PASS
n78(3700-3800)	30	60	651332	1@1	DFT_BPSK	17.2	1.7	18.9	77.62	1000	PASS
n78(3700-3800)	30	60	651332	1@160	DFT_BPSK	17.88	1.7	19.58	90.78	1000	PASS
n78(3700-3800)	30	60	651332	162@0	DFT_QPSK	16.63	1.7	18.33	68.08	1000	PASS
n78(3700-3800)	30	60	651332	81@40	DFT_QPSK	17.56	1.7	19.26	84.33	1000	PASS
n78(3700-3800)	30	60	651332	1@1	DFT_QPSK	17.25	1.7	18.95	78.52	1000	PASS
n78(3700-3800)	30	60	651332	1@160	DFT_QPSK	17.95	1.7	19.65	92.26	1000	PASS
n78(3700-3800)	30	60	651332	162@0	DFT_16QAM	15.56	1.7	17.26	53.21	1000	PASS
n78(3700-3800)	30	60	651332	81@40	DFT_16QAM	16.61	1.7	18.31	67.76	1000	PASS
n78(3700-3800)	30	60	651332	1@1	DFT_16QAM	16.34	1.7	18.04	63.68	1000	PASS
n78(3700-3800)	30	60	651332	1@160	DFT_16QAM	17.01	1.7	18.71	74.3	1000	PASS
n78(3700-3800)	30	60	651332	162@0	DFT_64QAM	15.09	1.7	16.79	47.75	1000	PASS
n78(3700-3800)	30	60	651332	81@40	DFT_64QAM	15	1.7	16.7	46.77	1000	PASS
n78(3700-3800)	30	60	651332	1@1	DFT_64QAM	14.84	1.7	16.54	45.08	1000	PASS

n78(3700-3800)	30	60	651332	1@160	DFT_64QAM	15.54	1.7	17.24	52.97	1000	PASS
n78(3700-3800)	30	60	651332	162@0	DFT_256QAM	13.06	1.7	14.76	29.92	1000	PASS
n78(3700-3800)	30	60	651332	81@40	DFT_256QAM	13.04	1.7	14.74	29.79	1000	PASS
n78(3700-3800)	30	60	651332	1@1	DFT_256QAM	12.49	1.7	14.19	26.24	1000	PASS
n78(3700-3800)	30	60	651332	1@160	DFT_256QAM	13.14	1.7	14.84	30.48	1000	PASS
n78(3700-3800)	30	60	651332	162@0	CP_QPSK	14.56	1.7	16.26	42.27	1000	PASS
n78(3700-3800)	30	60	651332	81@40	CP_QPSK	16.08	1.7	17.78	59.98	1000	PASS
n78(3700-3800)	30	60	651332	1@1	CP_QPSK	15.93	1.7	17.63	57.94	1000	PASS
n78(3700-3800)	30	60	651332	1@160	CP_QPSK	16.54	1.7	18.24	66.68	1000	PASS
n78(3700-3800)	30	60	651332	162@0	CP_16QAM	14.56	1.7	16.26	42.27	1000	PASS
n78(3700-3800)	30	60	651332	81@40	CP_16QAM	15.56	1.7	17.26	53.21	1000	PASS
n78(3700-3800)	30	60	651332	1@1	CP_16QAM	15.21	1.7	16.91	49.09	1000	PASS
n78(3700-3800)	30	60	651332	1@160	CP_16QAM	15.87	1.7	17.57	57.15	1000	PASS
n78(3700-3800)	30	60	651332	162@0	CP_64QAM	14.05	1.7	15.75	37.58	1000	PASS
n78(3700-3800)	30	60	651332	81@40	CP_64QAM	14.06	1.7	15.76	37.67	1000	PASS
n78(3700-3800)	30	60	651332	1@1	CP_64QAM	13.53	1.7	15.23	33.34	1000	PASS
n78(3700-3800)	30	60	651332	1@160	CP_64QAM	14.16	1.7	15.86	38.55	1000	PASS
n78(3700-3800)	30	60	651332	162@0	CP_256QAM	11.04	1.7	12.74	18.79	1000	PASS
n78(3700-3800)	30	60	651332	81@40	CP_256QAM	10.99	1.7	12.69	18.58	1000	PASS
n78(3700-3800)	30	60	651332	1@1	CP_256QAM	10.55	1.7	12.25	16.79	1000	PASS
n78(3700-3800)	30	60	651332	1@160	CP_256QAM	11.21	1.7	12.91	19.54	1000	PASS
n78(3700-3800)	30	70	649000	180@0	DFT_BPSK	18.26	1.7	19.96	99.08	1000	PASS
n78(3700-3800)	30	70	649000	90@45	DFT_BPSK	18.7	1.7	20.4	109.65	1000	PASS
n78(3700-3800)	30	70	649000	1@1	DFT_BPSK	18.58	1.7	20.28	106.66	1000	PASS
n78(3700-3800)	30	70	649000	1@187	DFT_BPSK	18.65	1.7	20.35	108.39	1000	PASS
n78(3700-3800)	30	70	649000	180@0	DFT_QPSK	17.68	1.7	19.38	86.7	1000	PASS
n78(3700-3800)	30	70	649000	90@45	DFT_QPSK	18.7	1.7	20.4	109.65	1000	PASS
n78(3700-3800)	30	70	649000	1@1	DFT_QPSK	18.62	1.7	20.32	107.65	1000	PASS
n78(3700-3800)	30	70	649000	1@187	DFT_QPSK	18.66	1.7	20.36	108.64	1000	PASS
n78(3700-3800)	30	70	649000	180@0	DFT_16QAM	17.4	1.7	19.1	81.28	1000	PASS
n78(3700-3800)	30	70	649000	90@45	DFT_16QAM	17.67	1.7	19.37	86.5	1000	PASS
n78(3700-3800)	30	70	649000	1@1	DFT_16QAM	17.75	1.7	19.45	88.1	1000	PASS
n78(3700-3800)	30	70	649000	1@187	DFT_16QAM	17.77	1.7	19.47	88.51	1000	PASS
n78(3700-3800)	30	70	649000	180@0	DFT_64QAM	16.24	1.7	17.94	62.23	1000	PASS
n78(3700-3800)	30	70	649000	90@45	DFT_64QAM	16.17	1.7	17.87	61.24	1000	PASS
n78(3700-3800)	30	70	649000	1@1	DFT_64QAM	16.19	1.7	17.89	61.52	1000	PASS
n78(3700-3800)	30	70	649000	1@187	DFT_64QAM	16.29	1.7	17.99	62.95	1000	PASS
n78(3700-3800)	30	70	649000	180@0	DFT_256QAM	14.2	1.7	15.9	38.9	1000	PASS
n78(3700-3800)	30	70	649000	90@45	DFT_256QAM	14.18	1.7	15.88	38.73	1000	PASS
n78(3700-3800)	30	70	649000	1@1	DFT_256QAM	13.95	1.7	15.65	36.73	1000	PASS
n78(3700-3800)	30	70	649000	1@187	DFT_256QAM	14.05	1.7	15.75	37.58	1000	PASS
n78(3700-3800)	30	70	649000	189@0	CP_QPSK	15.72	1.7	17.42	55.21	1000	PASS
n78(3700-3800)	30	70	649000	95@47	CP_QPSK	17.15	1.7	18.85	76.74	1000	PASS

n78(3700-3800)	30	70	649000	1@1	CP_QPSK	17.3	1.7	19	79.43	1000	PASS
n78(3700-3800)	30	70	649000	1@187	CP_QPSK	17.32	1.7	19.02	79.8	1000	PASS
n78(3700-3800)	30	70	649000	189@0	CP_16QAM	15.7	1.7	17.4	54.95	1000	PASS
n78(3700-3800)	30	70	649000	95@47	CP_16QAM	16.67	1.7	18.37	68.71	1000	PASS
n78(3700-3800)	30	70	649000	1@1	CP_16QAM	16.54	1.7	18.24	66.68	1000	PASS
n78(3700-3800)	30	70	649000	1@187	CP_16QAM	16.61	1.7	18.31	67.76	1000	PASS
n78(3700-3800)	30	70	649000	189@0	CP_64QAM	15.19	1.7	16.89	48.87	1000	PASS
n78(3700-3800)	30	70	649000	95@47	CP_64QAM	15.13	1.7	16.83	48.19	1000	PASS
n78(3700-3800)	30	70	649000	1@1	CP_64QAM	14.95	1.7	16.65	46.24	1000	PASS
n78(3700-3800)	30	70	649000	1@187	CP_64QAM	15.05	1.7	16.75	47.32	1000	PASS
n78(3700-3800)	30	70	649000	189@0	CP_256QAM	12.19	1.7	13.89	24.49	1000	PASS
n78(3700-3800)	30	70	649000	95@47	CP_256QAM	12.15	1.7	13.85	24.27	1000	PASS
n78(3700-3800)	30	70	649000	1@1	CP_256QAM	12.05	1.7	13.75	23.71	1000	PASS
n78(3700-3800)	30	70	649000	1@187	CP_256QAM	12.09	1.7	13.79	23.93	1000	PASS
n78(3700-3800)	30	70	650000	180@0	DFT_BPSK	18.25	1.7	19.95	98.86	1000	PASS
n78(3700-3800)	30	70	650000	90@45	DFT_BPSK	18.7	1.7	20.4	109.65	1000	PASS
n78(3700-3800)	30	70	650000	1@1	DFT_BPSK	18.62	1.7	20.32	107.65	1000	PASS
n78(3700-3800)	30	70	650000	1@187	DFT_BPSK	18.84	1.7	20.54	113.24	1000	PASS
n78(3700-3800)	30	70	650000	180@0	DFT_QPSK	17.7	1.7	19.4	87.1	1000	PASS
n78(3700-3800)	30	70	650000	90@45	DFT_QPSK	18.68	1.7	20.38	109.14	1000	PASS
n78(3700-3800)	30	70	650000	1@1	DFT_QPSK	18.63	1.7	20.33	107.89	1000	PASS
n78(3700-3800)	30	70	650000	1@187	DFT_QPSK	18.89	1.7	20.59	114.55	1000	PASS
n78(3700-3800)	30	70	650000	180@0	DFT_16QAM	16.72	1.7	18.42	69.5	1000	PASS
n78(3700-3800)	30	70	650000	90@45	DFT_16QAM	17.7	1.7	19.4	87.1	1000	PASS
n78(3700-3800)	30	70	650000	1@1	DFT_16QAM	17.71	1.7	19.41	87.3	1000	PASS
n78(3700-3800)	30	70	650000	1@187	DFT_16QAM	17.96	1.7	19.66	92.47	1000	PASS
n78(3700-3800)	30	70	650000	180@0	DFT_64QAM	16.24	1.7	17.94	62.23	1000	PASS
n78(3700-3800)	30	70	650000	90@45	DFT_64QAM	16.18	1.7	17.88	61.38	1000	PASS
n78(3700-3800)	30	70	650000	1@1	DFT_64QAM	16.26	1.7	17.96	62.52	1000	PASS
n78(3700-3800)	30	70	650000	1@187	DFT_64QAM	15.9	1.7	17.6	57.54	1000	PASS
n78(3700-3800)	30	70	650000	180@0	DFT_256QAM	14.22	1.7	15.92	39.08	1000	PASS
n78(3700-3800)	30	70	650000	90@45	DFT_256QAM	14.21	1.7	15.91	38.99	1000	PASS
n78(3700-3800)	30	70	650000	1@1	DFT_256QAM	13.91	1.7	15.61	36.39	1000	PASS
n78(3700-3800)	30	70	650000	1@187	DFT_256QAM	14.16	1.7	15.86	38.55	1000	PASS
n78(3700-3800)	30	70	650000	189@0	CP_QPSK	15.71	1.7	17.41	55.08	1000	PASS
n78(3700-3800)	30	70	650000	95@47	CP_QPSK	17.18	1.7	18.88	77.27	1000	PASS
n78(3700-3800)	30	70	650000	1@1	CP_QPSK	17.3	1.7	19	79.43	1000	PASS
n78(3700-3800)	30	70	650000	1@187	CP_QPSK	17.5	1.7	19.2	83.18	1000	PASS
n78(3700-3800)	30	70	650000	189@0	CP_16QAM	15.69	1.7	17.39	54.83	1000	PASS
n78(3700-3800)	30	70	650000	95@47	CP_16QAM	16.67	1.7	18.37	68.71	1000	PASS
n78(3700-3800)	30	70	650000	1@1	CP_16QAM	16.56	1.7	18.26	66.99	1000	PASS
n78(3700-3800)	30	70	650000	1@187	CP_16QAM	16.8	1.7	18.5	70.79	1000	PASS
n78(3700-3800)	30	70	650000	189@0	CP_64QAM	15.2	1.7	16.9	48.98	1000	PASS

n78(3700-3800)	30	70	650000	95@47	CP_64QAM	15.13	1.7	16.83	48.19	1000	PASS
n78(3700-3800)	30	70	650000	1@1	CP_64QAM	15.03	1.7	16.73	47.1	1000	PASS
n78(3700-3800)	30	70	650000	1@187	CP_64QAM	15.23	1.7	16.93	49.32	1000	PASS
n78(3700-3800)	30	70	650000	189@0	CP_256QAM	12.19	1.7	13.89	24.49	1000	PASS
n78(3700-3800)	30	70	650000	95@47	CP_256QAM	12.15	1.7	13.85	24.27	1000	PASS
n78(3700-3800)	30	70	650000	1@1	CP_256QAM	12.01	1.7	13.71	23.5	1000	PASS
n78(3700-3800)	30	70	650000	1@187	CP_256QAM	12.22	1.7	13.92	24.66	1000	PASS
n78(3700-3800)	30	70	651000	180@0	DFT_BPSK	15.7	1.7	17.4	54.95	1000	PASS
n78(3700-3800)	30	70	651000	90@45	DFT_BPSK	18.7	1.7	20.4	109.65	1000	PASS
n78(3700-3800)	30	70	651000	1@1	DFT_BPSK	18.46	1.7	20.16	103.75	1000	PASS
n78(3700-3800)	30	70	651000	1@187	DFT_BPSK	18.74	1.7	20.44	110.66	1000	PASS
n78(3700-3800)	30	70	651000	180@0	DFT_QPSK	17.72	1.7	19.42	87.5	1000	PASS
n78(3700-3800)	30	70	651000	90@45	DFT_QPSK	18.69	1.7	20.39	109.4	1000	PASS
n78(3700-3800)	30	70	651000	1@1	DFT_QPSK	18.5	1.7	20.2	104.71	1000	PASS
n78(3700-3800)	30	70	651000	1@187	DFT_QPSK	19.11	1.7	20.81	120.5	1000	PASS
n78(3700-3800)	30	70	651000	180@0	DFT_16QAM	16.72	1.7	18.42	69.5	1000	PASS
n78(3700-3800)	30	70	651000	90@45	DFT_16QAM	17.72	1.7	19.42	87.5	1000	PASS
n78(3700-3800)	30	70	651000	1@1	DFT_16QAM	17.59	1.7	19.29	84.92	1000	PASS
n78(3700-3800)	30	70	651000	1@187	DFT_16QAM	18.17	1.7	19.87	97.05	1000	PASS
n78(3700-3800)	30	70	651000	180@0	DFT_64QAM	16.21	1.7	17.91	61.8	1000	PASS
n78(3700-3800)	30	70	651000	90@45	DFT_64QAM	16.21	1.7	17.91	61.8	1000	PASS
n78(3700-3800)	30	70	651000	1@1	DFT_64QAM	16.13	1.7	17.83	60.67	1000	PASS
n78(3700-3800)	30	70	651000	1@187	DFT_64QAM	16.64	1.7	18.34	68.23	1000	PASS
n78(3700-3800)	30	70	651000	180@0	DFT_256QAM	14.1	1.7	15.8	38.02	1000	PASS
n78(3700-3800)	30	70	651000	90@45	DFT_256QAM	14.2	1.7	15.9	38.9	1000	PASS
n78(3700-3800)	30	70	651000	1@1	DFT_256QAM	13.81	1.7	15.51	35.56	1000	PASS
n78(3700-3800)	30	70	651000	1@187	DFT_256QAM	14.43	1.7	16.13	41.02	1000	PASS
n78(3700-3800)	30	70	651000	189@0	CP_QPSK	15.76	1.7	17.46	55.72	1000	PASS
n78(3700-3800)	30	70	651000	95@47	CP_QPSK	17.22	1.7	18.92	77.98	1000	PASS
n78(3700-3800)	30	70	651000	1@1	CP_QPSK	17.17	1.7	18.87	77.09	1000	PASS
n78(3700-3800)	30	70	651000	1@187	CP_QPSK	17.74	1.7	19.44	87.9	1000	PASS
n78(3700-3800)	30	70	651000	189@0	CP_16QAM	15.74	1.7	17.44	55.46	1000	PASS
n78(3700-3800)	30	70	651000	95@47	CP_16QAM	16.1	1.7	17.8	60.26	1000	PASS
n78(3700-3800)	30	70	651000	1@1	CP_16QAM	16.47	1.7	18.17	65.61	1000	PASS
n78(3700-3800)	30	70	651000	1@187	CP_16QAM	17.13	1.7	18.83	76.38	1000	PASS
n78(3700-3800)	30	70	651000	189@0	CP_64QAM	15.21	1.7	16.91	49.09	1000	PASS
n78(3700-3800)	30	70	651000	95@47	CP_64QAM	15.14	1.7	16.84	48.31	1000	PASS
n78(3700-3800)	30	70	651000	1@1	CP_64QAM	14.84	1.7	16.54	45.08	1000	PASS
n78(3700-3800)	30	70	651000	1@187	CP_64QAM	15.49	1.7	17.19	52.36	1000	PASS
n78(3700-3800)	30	70	651000	189@0	CP_256QAM	12.26	1.7	13.96	24.89	1000	PASS
n78(3700-3800)	30	70	651000	95@47	CP_256QAM	12.21	1.7	13.91	24.6	1000	PASS
n78(3700-3800)	30	70	651000	1@1	CP_256QAM	11.85	1.7	13.55	22.65	1000	PASS
n78(3700-3800)	30	70	651000	1@187	CP_256QAM	12.47	1.7	14.17	26.12	1000	PASS

n78(3700-3800)	30	80	649334	216@0	DFT_BPSK	18.23	1.7	19.93	98.4	1000	PASS
n78(3700-3800)	30	80	649334	108@54	DFT_BPSK	18.72	1.7	20.42	110.15	1000	PASS
n78(3700-3800)	30	80	649334	1@1	DFT_BPSK	18.59	1.7	20.29	106.91	1000	PASS
n78(3700-3800)	30	80	649334	1@215	DFT_BPSK	18.73	1.7	20.43	110.41	1000	PASS
n78(3700-3800)	30	80	649334	216@0	DFT_QPSK	17.7	1.7	19.4	87.1	1000	PASS
n78(3700-3800)	30	80	649334	108@54	DFT_QPSK	18.67	1.7	20.37	108.89	1000	PASS
n78(3700-3800)	30	80	649334	1@1	DFT_QPSK	18.6	1.7	20.3	107.15	1000	PASS
n78(3700-3800)	30	80	649334	1@215	DFT_QPSK	18.78	1.7	20.48	111.69	1000	PASS
n78(3700-3800)	30	80	649334	216@0	DFT_16QAM	16.68	1.7	18.38	68.87	1000	PASS
n78(3700-3800)	30	80	649334	108@54	DFT_16QAM	17.68	1.7	19.38	86.7	1000	PASS
n78(3700-3800)	30	80	649334	1@1	DFT_16QAM	17.66	1.7	19.36	86.3	1000	PASS
n78(3700-3800)	30	80	649334	1@215	DFT_16QAM	17.79	1.7	19.49	88.92	1000	PASS
n78(3700-3800)	30	80	649334	216@0	DFT_64QAM	16.17	1.7	17.87	61.24	1000	PASS
n78(3700-3800)	30	80	649334	108@54	DFT_64QAM	16.16	1.7	17.86	61.09	1000	PASS
n78(3700-3800)	30	80	649334	1@1	DFT_64QAM	16.18	1.7	17.88	61.38	1000	PASS
n78(3700-3800)	30	80	649334	1@215	DFT_64QAM	16.32	1.7	18.02	63.39	1000	PASS
n78(3700-3800)	30	80	649334	216@0	DFT_256QAM	14.18	1.7	15.88	38.73	1000	PASS
n78(3700-3800)	30	80	649334	108@54	DFT_256QAM	14.18	1.7	15.88	38.73	1000	PASS
n78(3700-3800)	30	80	649334	1@1	DFT_256QAM	13.98	1.7	15.68	36.98	1000	PASS
n78(3700-3800)	30	80	649334	1@215	DFT_256QAM	14.08	1.7	15.78	37.84	1000	PASS
n78(3700-3800)	30	80	649334	217@0	CP_QPSK	15.65	1.7	17.35	54.33	1000	PASS
n78(3700-3800)	30	80	649334	109@54	CP_QPSK	16.9	1.7	18.6	72.44	1000	PASS
n78(3700-3800)	30	80	649334	1@1	CP_QPSK	17.23	1.7	18.93	78.16	1000	PASS
n78(3700-3800)	30	80	649334	1@215	CP_QPSK	17.3	1.7	19	79.43	1000	PASS
n78(3700-3800)	30	80	649334	217@0	CP_16QAM	15.66	1.7	17.36	54.45	1000	PASS
n78(3700-3800)	30	80	649334	109@54	CP_16QAM	16.66	1.7	18.36	68.55	1000	PASS
n78(3700-3800)	30	80	649334	1@1	CP_16QAM	16.52	1.7	18.22	66.37	1000	PASS
n78(3700-3800)	30	80	649334	1@215	CP_16QAM	16.64	1.7	18.34	68.23	1000	PASS
n78(3700-3800)	30	80	649334	217@0	CP_64QAM	15.2	1.7	16.9	48.98	1000	PASS
n78(3700-3800)	30	80	649334	109@54	CP_64QAM	15.18	1.7	16.88	48.75	1000	PASS
n78(3700-3800)	30	80	649334	1@1	CP_64QAM	14.96	1.7	16.66	46.34	1000	PASS
n78(3700-3800)	30	80	649334	1@215	CP_64QAM	15.07	1.7	16.77	47.53	1000	PASS
n78(3700-3800)	30	80	649334	217@0	CP_256QAM	12.18	1.7	13.88	24.43	1000	PASS
n78(3700-3800)	30	80	649334	109@54	CP_256QAM	12.13	1.7	13.83	24.15	1000	PASS
n78(3700-3800)	30	80	649334	1@1	CP_256QAM	12.03	1.7	13.73	23.6	1000	PASS
n78(3700-3800)	30	80	649334	1@215	CP_256QAM	12.13	1.7	13.83	24.15	1000	PASS
n78(3700-3800)	30	80	650000	216@0	DFT_BPSK	18.26	1.7	19.96	99.08	1000	PASS
n78(3700-3800)	30	80	650000	108@54	DFT_BPSK	18.72	1.7	20.42	110.15	1000	PASS
n78(3700-3800)	30	80	650000	1@1	DFT_BPSK	18.65	1.7	20.35	108.39	1000	PASS
n78(3700-3800)	30	80	650000	1@215	DFT_BPSK	18.96	1.7	20.66	116.41	1000	PASS
n78(3700-3800)	30	80	650000	216@0	DFT_QPSK	17.76	1.7	19.46	88.31	1000	PASS
n78(3700-3800)	30	80	650000	108@54	DFT_QPSK	18.69	1.7	20.39	109.4	1000	PASS
n78(3700-3800)	30	80	650000	1@1	DFT_QPSK	18.67	1.7	20.37	108.89	1000	PASS

n78(3700-3800)	30	80	650000	1@215	DFT_QPSK	18.98	1.7	20.68	116.95	1000	PASS
n78(3700-3800)	30	80	650000	216@0	DFT_16QAM	16.71	1.7	18.41	69.34	1000	PASS
n78(3700-3800)	30	80	650000	108@54	DFT_16QAM	17.69	1.7	19.39	86.9	1000	PASS
n78(3700-3800)	30	80	650000	1@1	DFT_16QAM	17.74	1.7	19.44	87.9	1000	PASS
n78(3700-3800)	30	80	650000	1@215	DFT_16QAM	18.02	1.7	19.72	93.76	1000	PASS
n78(3700-3800)	30	80	650000	216@0	DFT_64QAM	16.26	1.7	17.96	62.52	1000	PASS
n78(3700-3800)	30	80	650000	108@54	DFT_64QAM	16.16	1.7	17.86	61.09	1000	PASS
n78(3700-3800)	30	80	650000	1@1	DFT_64QAM	16.3	1.7	18	63.1	1000	PASS
n78(3700-3800)	30	80	650000	1@215	DFT_64QAM	16.57	1.7	18.27	67.14	1000	PASS
n78(3700-3800)	30	80	650000	216@0	DFT_256QAM	14.23	1.7	15.93	39.17	1000	PASS
n78(3700-3800)	30	80	650000	108@54	DFT_256QAM	14.25	1.7	15.95	39.36	1000	PASS
n78(3700-3800)	30	80	650000	1@1	DFT_256QAM	14	1.7	15.7	37.15	1000	PASS
n78(3700-3800)	30	80	650000	1@215	DFT_256QAM	14.31	1.7	16.01	39.9	1000	PASS
n78(3700-3800)	30	80	650000	217@0	CP_QPSK	15.73	1.7	17.43	55.34	1000	PASS
n78(3700-3800)	30	80	650000	109@54	CP_QPSK	17.21	1.7	18.91	77.8	1000	PASS
n78(3700-3800)	30	80	650000	1@1	CP_QPSK	17.32	1.7	19.02	79.8	1000	PASS
n78(3700-3800)	30	80	650000	1@215	CP_QPSK	17.56	1.7	19.26	84.33	1000	PASS
n78(3700-3800)	30	80	650000	217@0	CP_16QAM	15.73	1.7	17.43	55.34	1000	PASS
n78(3700-3800)	30	80	650000	109@54	CP_16QAM	16.68	1.7	18.38	68.87	1000	PASS
n78(3700-3800)	30	80	650000	1@1	CP_16QAM	16.65	1.7	18.35	68.39	1000	PASS
n78(3700-3800)	30	80	650000	1@215	CP_16QAM	16.87	1.7	18.57	71.94	1000	PASS
n78(3700-3800)	30	80	650000	217@0	CP_64QAM	15.22	1.7	16.92	49.2	1000	PASS
n78(3700-3800)	30	80	650000	109@54	CP_64QAM	15.18	1.7	16.88	48.75	1000	PASS
n78(3700-3800)	30	80	650000	1@1	CP_64QAM	15.04	1.7	16.74	47.21	1000	PASS
n78(3700-3800)	30	80	650000	1@215	CP_64QAM	15.31	1.7	17.01	50.23	1000	PASS
n78(3700-3800)	30	80	650000	217@0	CP_256QAM	12.21	1.7	13.91	24.6	1000	PASS
n78(3700-3800)	30	80	650000	109@54	CP_256QAM	12.15	1.7	13.85	24.27	1000	PASS
n78(3700-3800)	30	80	650000	1@1	CP_256QAM	12.06	1.7	13.76	23.77	1000	PASS
n78(3700-3800)	30	80	650000	1@215	CP_256QAM	12.31	1.7	14.01	25.18	1000	PASS
n78(3700-3800)	30	80	650666	216@0	DFT_BPSK	18.28	1.7	19.98	99.54	1000	PASS
n78(3700-3800)	30	80	650666	108@54	DFT_BPSK	18.71	1.7	20.41	109.9	1000	PASS
n78(3700-3800)	30	80	650666	1@1	DFT_BPSK	18.55	1.7	20.25	105.93	1000	PASS
n78(3700-3800)	30	80	650666	1@215	DFT_BPSK	19.07	1.7	20.77	119.4	1000	PASS
n78(3700-3800)	30	80	650666	216@0	DFT_QPSK	17.75	1.7	19.45	88.1	1000	PASS
n78(3700-3800)	30	80	650666	108@54	DFT_QPSK	18.7	1.7	20.4	109.65	1000	PASS
n78(3700-3800)	30	80	650666	1@1	DFT_QPSK	18.6	1.7	20.3	107.15	1000	PASS
n78(3700-3800)	30	80	650666	1@215	DFT_QPSK	19.11	1.7	20.81	120.5	1000	PASS
n78(3700-3800)	30	80	650666	216@0	DFT_16QAM	16.7	1.7	18.4	69.18	1000	PASS
n78(3700-3800)	30	80	650666	108@54	DFT_16QAM	17.68	1.7	19.38	86.7	1000	PASS
n78(3700-3800)	30	80	650666	1@1	DFT_16QAM	17.64	1.7	19.34	85.9	1000	PASS
n78(3700-3800)	30	80	650666	1@215	DFT_16QAM	18.16	1.7	19.86	96.83	1000	PASS
n78(3700-3800)	30	80	650666	216@0	DFT_64QAM	16.25	1.7	17.95	62.37	1000	PASS
n78(3700-3800)	30	80	650666	108@54	DFT_64QAM	16.17	1.7	17.87	61.24	1000	PASS

n78(3700-3800)	30	80	650666	1@1	DFT_64QAM	16.8	1.7	18.5	70.79	1000	PASS
n78(3700-3800)	30	80	650666	1@215	DFT_64QAM	16.75	1.7	18.45	69.98	1000	PASS
n78(3700-3800)	30	80	650666	216@0	DFT_256QAM	14.22	1.7	15.92	39.08	1000	PASS
n78(3700-3800)	30	80	650666	108@54	DFT_256QAM	14.24	1.7	15.94	39.26	1000	PASS
n78(3700-3800)	30	80	650666	1@1	DFT_256QAM	13.9	1.7	15.6	36.31	1000	PASS
n78(3700-3800)	30	80	650666	1@215	DFT_256QAM	14.39	1.7	16.09	40.64	1000	PASS
n78(3700-3800)	30	80	650666	217@0	CP_QPSK	15.7	1.7	17.4	54.95	1000	PASS
n78(3700-3800)	30	80	650666	109@54	CP_QPSK	17.17	1.7	18.87	77.09	1000	PASS
n78(3700-3800)	30	80	650666	1@1	CP_QPSK	17.23	1.7	18.93	78.16	1000	PASS
n78(3700-3800)	30	80	650666	1@215	CP_QPSK	17.75	1.7	19.45	88.1	1000	PASS
n78(3700-3800)	30	80	650666	217@0	CP_16QAM	15.71	1.7	17.41	55.08	1000	PASS
n78(3700-3800)	30	80	650666	109@54	CP_16QAM	16.65	1.7	18.35	68.39	1000	PASS
n78(3700-3800)	30	80	650666	1@1	CP_16QAM	16.52	1.7	18.22	66.37	1000	PASS
n78(3700-3800)	30	80	650666	1@215	CP_16QAM	17.1	1.7	18.8	75.86	1000	PASS
n78(3700-3800)	30	80	650666	217@0	CP_64QAM	15.25	1.7	16.95	49.55	1000	PASS
n78(3700-3800)	30	80	650666	109@54	CP_64QAM	15.13	1.7	16.83	48.19	1000	PASS
n78(3700-3800)	30	80	650666	1@1	CP_64QAM	14.94	1.7	16.64	46.13	1000	PASS
n78(3700-3800)	30	80	650666	1@215	CP_64QAM	15.48	1.7	17.18	52.24	1000	PASS
n78(3700-3800)	30	80	650666	217@0	CP_256QAM	11.9	1.7	13.6	22.91	1000	PASS
n78(3700-3800)	30	80	650666	109@54	CP_256QAM	12.18	1.7	13.88	24.43	1000	PASS
n78(3700-3800)	30	80	650666	1@1	CP_256QAM	11.94	1.7	13.64	23.12	1000	PASS
n78(3700-3800)	30	80	650666	1@215	CP_256QAM	12.44	1.7	14.14	25.94	1000	PASS
n78(3700-3800)	30	90	649668	243@0	DFT_BPSK	18.28	1.7	19.98	99.54	1000	PASS
n78(3700-3800)	30	90	649668	120@60	DFT_BPSK	18.78	1.7	20.48	111.69	1000	PASS
n78(3700-3800)	30	90	649668	1@1	DFT_BPSK	18.56	1.7	20.26	106.17	1000	PASS
n78(3700-3800)	30	90	649668	1@243	DFT_BPSK	18.93	1.7	20.63	115.61	1000	PASS
n78(3700-3800)	30	90	649668	243@0	DFT_QPSK	17.74	1.7	19.44	87.9	1000	PASS
n78(3700-3800)	30	90	649668	120@60	DFT_QPSK	18.74	1.7	20.44	110.66	1000	PASS
n78(3700-3800)	30	90	649668	1@1	DFT_QPSK	18.6	1.7	20.3	107.15	1000	PASS
n78(3700-3800)	30	90	649668	1@243	DFT_QPSK	18.94	1.7	20.64	115.88	1000	PASS
n78(3700-3800)	30	90	649668	243@0	DFT_16QAM	16.77	1.7	18.47	70.31	1000	PASS
n78(3700-3800)	30	90	649668	120@60	DFT_16QAM	17.75	1.7	19.45	88.1	1000	PASS
n78(3700-3800)	30	90	649668	1@1	DFT_16QAM	17.64	1.7	19.34	85.9	1000	PASS
n78(3700-3800)	30	90	649668	1@243	DFT_16QAM	18	1.7	19.7	93.33	1000	PASS
n78(3700-3800)	30	90	649668	243@0	DFT_64QAM	16.27	1.7	17.97	62.66	1000	PASS
n78(3700-3800)	30	90	649668	120@60	DFT_64QAM	16.26	1.7	17.96	62.52	1000	PASS
n78(3700-3800)	30	90	649668	1@1	DFT_64QAM	16.18	1.7	17.88	61.38	1000	PASS
n78(3700-3800)	30	90	649668	1@243	DFT_64QAM	16.54	1.7	18.24	66.68	1000	PASS
n78(3700-3800)	30	90	649668	243@0	DFT_256QAM	14.27	1.7	15.97	39.54	1000	PASS
n78(3700-3800)	30	90	649668	120@60	DFT_256QAM	14.22	1.7	15.92	39.08	1000	PASS
n78(3700-3800)	30	90	649668	1@1	DFT_256QAM	13.95	1.7	15.65	36.73	1000	PASS
n78(3700-3800)	30	90	649668	1@243	DFT_256QAM	14.3	1.7	16	39.81	1000	PASS
n78(3700-3800)	30	90	649668	245@0	CP_QPSK	16.9	1.7	18.6	72.44	1000	PASS

n78(3700-3800)	30	90	649668	123@61	CP_QPSK	17.19	1.7	18.89	77.45	1000	PASS
n78(3700-3800)	30	90	649668	1@1	CP_QPSK	17.19	1.7	18.89	77.45	1000	PASS
n78(3700-3800)	30	90	649668	1@243	CP_QPSK	17.49	1.7	19.19	82.99	1000	PASS
n78(3700-3800)	30	90	649668	245@0	CP_16QAM	15.71	1.7	17.41	55.08	1000	PASS
n78(3700-3800)	30	90	649668	123@61	CP_16QAM	16.69	1.7	18.39	69.02	1000	PASS
n78(3700-3800)	30	90	649668	1@1	CP_16QAM	16.5	1.7	18.2	66.07	1000	PASS
n78(3700-3800)	30	90	649668	1@243	CP_16QAM	16.9	1.7	18.6	72.44	1000	PASS
n78(3700-3800)	30	90	649668	245@0	CP_64QAM	15.24	1.7	16.94	49.43	1000	PASS
n78(3700-3800)	30	90	649668	123@61	CP_64QAM	14.8	1.7	16.5	44.67	1000	PASS
n78(3700-3800)	30	90	649668	1@1	CP_64QAM	14.94	1.7	16.64	46.13	1000	PASS
n78(3700-3800)	30	90	649668	1@243	CP_64QAM	15.33	1.7	17.03	50.47	1000	PASS
n78(3700-3800)	30	90	649668	245@0	CP_256QAM	12.23	1.7	13.93	24.72	1000	PASS
n78(3700-3800)	30	90	649668	123@61	CP_256QAM	12.22	1.7	13.92	24.66	1000	PASS
n78(3700-3800)	30	90	649668	1@1	CP_256QAM	11.99	1.7	13.69	23.39	1000	PASS
n78(3700-3800)	30	90	649668	1@243	CP_256QAM	12.32	1.7	14.02	25.23	1000	PASS
n78(3700-3800)	30	90	650000	243@0	DFT_BPSK	18.25	1.7	19.95	98.86	1000	PASS
n78(3700-3800)	30	90	650000	120@60	DFT_BPSK	18.74	1.7	20.44	110.66	1000	PASS
n78(3700-3800)	30	90	650000	1@1	DFT_BPSK	18.65	1.7	20.35	108.39	1000	PASS
n78(3700-3800)	30	90	650000	1@243	DFT_BPSK	19.1	1.7	20.8	120.23	1000	PASS
n78(3700-3800)	30	90	650000	243@0	DFT_QPSK	17.77	1.7	19.47	88.51	1000	PASS
n78(3700-3800)	30	90	650000	120@60	DFT_QPSK	18.73	1.7	20.43	110.41	1000	PASS
n78(3700-3800)	30	90	650000	1@1	DFT_QPSK	18.63	1.7	20.33	107.89	1000	PASS
n78(3700-3800)	30	90	650000	1@243	DFT_QPSK	19.04	1.7	20.74	118.58	1000	PASS
n78(3700-3800)	30	90	650000	243@0	DFT_16QAM	16.76	1.7	18.46	70.15	1000	PASS
n78(3700-3800)	30	90	650000	120@60	DFT_16QAM	17.74	1.7	19.44	87.9	1000	PASS
n78(3700-3800)	30	90	650000	1@1	DFT_16QAM	17.73	1.7	19.43	87.7	1000	PASS
n78(3700-3800)	30	90	650000	1@243	DFT_16QAM	18.18	1.7	19.88	97.27	1000	PASS
n78(3700-3800)	30	90	650000	243@0	DFT_64QAM	16.25	1.7	17.95	62.37	1000	PASS
n78(3700-3800)	30	90	650000	120@60	DFT_64QAM	16.22	1.7	17.92	61.94	1000	PASS
n78(3700-3800)	30	90	650000	1@1	DFT_64QAM	16.27	1.7	17.97	62.66	1000	PASS
n78(3700-3800)	30	90	650000	1@243	DFT_64QAM	16.7	1.7	18.4	69.18	1000	PASS
n78(3700-3800)	30	90	650000	243@0	DFT_256QAM	14.26	1.7	15.96	39.45	1000	PASS
n78(3700-3800)	30	90	650000	120@60	DFT_256QAM	14.23	1.7	15.93	39.17	1000	PASS
n78(3700-3800)	30	90	650000	1@1	DFT_256QAM	13.86	1.7	15.56	35.97	1000	PASS
n78(3700-3800)	30	90	650000	1@243	DFT_256QAM	14.37	1.7	16.07	40.46	1000	PASS
n78(3700-3800)	30	90	650000	245@0	CP_QPSK	15.73	1.7	17.43	55.34	1000	PASS
n78(3700-3800)	30	90	650000	123@61	CP_QPSK	17.15	1.7	18.85	76.74	1000	PASS
n78(3700-3800)	30	90	650000	1@1	CP_QPSK	17.26	1.7	18.96	78.7	1000	PASS
n78(3700-3800)	30	90	650000	1@243	CP_QPSK	17.64	1.7	19.34	85.9	1000	PASS
n78(3700-3800)	30	90	650000	245@0	CP_16QAM	16.9	1.7	18.6	72.44	1000	PASS
n78(3700-3800)	30	90	650000	123@61	CP_16QAM	16.68	1.7	18.38	68.87	1000	PASS
n78(3700-3800)	30	90	650000	1@1	CP_16QAM	16.48	1.7	18.18	65.77	1000	PASS
n78(3700-3800)	30	90	650000	1@243	CP_16QAM	17	1.7	18.7	74.13	1000	PASS

n78(3700-3800)	30	90	650000	245@0	CP_64QAM	15.25	1.7	16.95	49.55	1000	PASS
n78(3700-3800)	30	90	650000	123@61	CP_64QAM	15.2	1.7	16.9	48.98	1000	PASS
n78(3700-3800)	30	90	650000	1@1	CP_64QAM	15.01	1.7	16.71	46.88	1000	PASS
n78(3700-3800)	30	90	650000	1@243	CP_64QAM	15.41	1.7	17.11	51.4	1000	PASS
n78(3700-3800)	30	90	650000	245@0	CP_256QAM	12.26	1.7	13.96	24.89	1000	PASS
n78(3700-3800)	30	90	650000	123@61	CP_256QAM	12.19	1.7	13.89	24.49	1000	PASS
n78(3700-3800)	30	90	650000	1@1	CP_256QAM	12	1.7	13.7	23.44	1000	PASS
n78(3700-3800)	30	90	650000	1@243	CP_256QAM	12.43	1.7	14.13	25.88	1000	PASS
n78(3700-3800)	30	90	650332	243@0	DFT_BPSK	17.73	1.7	19.43	87.7	1000	PASS
n78(3700-3800)	30	90	650332	120@60	DFT_BPSK	18.67	1.7	20.37	108.89	1000	PASS
n78(3700-3800)	30	90	650332	1@1	DFT_BPSK	18.51	1.7	20.21	104.95	1000	PASS
n78(3700-3800)	30	90	650332	1@243	DFT_BPSK	19.03	1.7	20.73	118.3	1000	PASS
n78(3700-3800)	30	90	650332	243@0	DFT_QPSK	17.73	1.7	19.43	87.7	1000	PASS
n78(3700-3800)	30	90	650332	120@60	DFT_QPSK	18.69	1.7	20.39	109.4	1000	PASS
n78(3700-3800)	30	90	650332	1@1	DFT_QPSK	18.63	1.7	20.33	107.89	1000	PASS
n78(3700-3800)	30	90	650332	1@243	DFT_QPSK	19.08	1.7	20.78	119.67	1000	PASS
n78(3700-3800)	30	90	650332	243@0	DFT_16QAM	16.72	1.7	18.42	69.5	1000	PASS
n78(3700-3800)	30	90	650332	120@60	DFT_16QAM	17.66	1.7	19.36	86.3	1000	PASS
n78(3700-3800)	30	90	650332	1@1	DFT_16QAM	17.69	1.7	19.39	86.9	1000	PASS
n78(3700-3800)	30	90	650332	1@243	DFT_16QAM	18.13	1.7	19.83	96.16	1000	PASS
n78(3700-3800)	30	90	650332	243@0	DFT_64QAM	16.25	1.7	17.95	62.37	1000	PASS
n78(3700-3800)	30	90	650332	120@60	DFT_64QAM	16.2	1.7	17.9	61.66	1000	PASS
n78(3700-3800)	30	90	650332	1@1	DFT_64QAM	16.19	1.7	17.89	61.52	1000	PASS
n78(3700-3800)	30	90	650332	1@243	DFT_64QAM	16.68	1.7	18.38	68.87	1000	PASS
n78(3700-3800)	30	90	650332	243@0	DFT_256QAM	14.2	1.7	15.9	38.9	1000	PASS
n78(3700-3800)	30	90	650332	120@60	DFT_256QAM	14.19	1.7	15.89	38.82	1000	PASS
n78(3700-3800)	30	90	650332	1@1	DFT_256QAM	13.93	1.7	15.63	36.56	1000	PASS
n78(3700-3800)	30	90	650332	1@243	DFT_256QAM	14.3	1.7	16	39.81	1000	PASS
n78(3700-3800)	30	90	650332	245@0	CP_QPSK	15.71	1.7	17.41	55.08	1000	PASS
n78(3700-3800)	30	90	650332	123@61	CP_QPSK	17.12	1.7	18.82	76.21	1000	PASS
n78(3700-3800)	30	90	650332	1@1	CP_QPSK	17.18	1.7	18.88	77.27	1000	PASS
n78(3700-3800)	30	90	650332	1@243	CP_QPSK	17.8	1.7	19.5	89.13	1000	PASS
n78(3700-3800)	30	90	650332	245@0	CP_16QAM	15.68	1.7	17.38	54.7	1000	PASS
n78(3700-3800)	30	90	650332	123@61	CP_16QAM	16.63	1.7	18.33	68.08	1000	PASS
n78(3700-3800)	30	90	650332	1@1	CP_16QAM	16.47	1.7	18.17	65.61	1000	PASS
n78(3700-3800)	30	90	650332	1@243	CP_16QAM	17.1	1.7	18.8	75.86	1000	PASS
n78(3700-3800)	30	90	650332	245@0	CP_64QAM	14.9	1.7	16.6	45.71	1000	PASS
n78(3700-3800)	30	90	650332	123@61	CP_64QAM	15.14	1.7	16.84	48.31	1000	PASS
n78(3700-3800)	30	90	650332	1@1	CP_64QAM	14.97	1.7	16.67	46.45	1000	PASS
n78(3700-3800)	30	90	650332	1@243	CP_64QAM	15.49	1.7	17.19	52.36	1000	PASS
n78(3700-3800)	30	90	650332	245@0	CP_256QAM	12.21	1.7	13.91	24.6	1000	PASS
n78(3700-3800)	30	90	650332	123@61	CP_256QAM	12.18	1.7	13.88	24.43	1000	PASS
n78(3700-3800)	30	90	650332	1@1	CP_256QAM	11.96	1.7	13.66	23.23	1000	PASS

n78(3700-3800)	30	90	650332	1@243	CP_256QAM	12.47	1.7	14.17	26.12	1000	PASS
n78(3700-3800)	30	100	650000	270@0	DFT_BPSK	18.33	1.7	20.03	100.69	1000	PASS
n78(3700-3800)	30	100	650000	135@67	DFT_BPSK	18.77	1.7	20.47	111.43	1000	PASS
n78(3700-3800)	30	100	650000	1@1	DFT_BPSK	18.55	1.7	20.25	105.93	1000	PASS
n78(3700-3800)	30	100	650000	1@271	DFT_BPSK	19.09	1.7	20.79	119.95	1000	PASS
n78(3700-3800)	30	100	650000	270@0	DFT_QPSK	17.77	1.7	19.47	88.51	1000	PASS
n78(3700-3800)	30	100	650000	135@67	DFT_QPSK	18.73	1.7	20.43	110.41	1000	PASS
n78(3700-3800)	30	100	650000	1@1	DFT_QPSK	18.58	1.7	20.28	106.66	1000	PASS
n78(3700-3800)	30	100	650000	1@271	DFT_QPSK	19.1	1.7	20.8	120.23	1000	PASS
n78(3700-3800)	30	100	650000	270@0	DFT_16QAM	16.76	1.7	18.46	70.15	1000	PASS
n78(3700-3800)	30	100	650000	135@67	DFT_16QAM	17.7	1.7	19.4	87.1	1000	PASS
n78(3700-3800)	30	100	650000	1@1	DFT_16QAM	17.73	1.7	19.43	87.7	1000	PASS
n78(3700-3800)	30	100	650000	1@271	DFT_16QAM	18.2	1.7	19.9	97.72	1000	PASS
n78(3700-3800)	30	100	650000	270@0	DFT_64QAM	16.3	1.7	18	63.1	1000	PASS
n78(3700-3800)	30	100	650000	135@67	DFT_64QAM	16.25	1.7	17.95	62.37	1000	PASS
n78(3700-3800)	30	100	650000	1@1	DFT_64QAM	16.21	1.7	17.91	61.8	1000	PASS
n78(3700-3800)	30	100	650000	1@271	DFT_64QAM	16.72	1.7	18.42	69.5	1000	PASS
n78(3700-3800)	30	100	650000	270@0	DFT_256QAM	14.26	1.7	15.96	39.45	1000	PASS
n78(3700-3800)	30	100	650000	135@67	DFT_256QAM	14.23	1.7	15.93	39.17	1000	PASS
n78(3700-3800)	30	100	650000	1@1	DFT_256QAM	13.88	1.7	15.58	36.14	1000	PASS
n78(3700-3800)	30	100	650000	1@271	DFT_256QAM	14.33	1.7	16.03	40.09	1000	PASS
n78(3700-3800)	30	100	650000	273@0	CP_QPSK	15.77	1.7	17.47	55.85	1000	PASS
n78(3700-3800)	30	100	650000	137@68	CP_QPSK	17.15	1.7	18.85	76.74	1000	PASS
n78(3700-3800)	30	100	650000	1@1	CP_QPSK	17.28	1.7	18.98	79.07	1000	PASS
n78(3700-3800)	30	100	650000	1@271	CP_QPSK	17.81	1.7	19.51	89.33	1000	PASS
n78(3700-3800)	30	100	650000	273@0	CP_16QAM	16.7	1.7	18.4	69.18	1000	PASS
n78(3700-3800)	30	100	650000	137@68	CP_16QAM	16.64	1.7	18.34	68.23	1000	PASS
n78(3700-3800)	30	100	650000	1@1	CP_16QAM	16.58	1.7	18.28	67.3	1000	PASS
n78(3700-3800)	30	100	650000	1@271	CP_16QAM	17.1	1.7	18.8	75.86	1000	PASS
n78(3700-3800)	30	100	650000	273@0	CP_64QAM	15.22	1.7	16.92	49.2	1000	PASS
n78(3700-3800)	30	100	650000	137@68	CP_64QAM	15.21	1.7	16.91	49.09	1000	PASS
n78(3700-3800)	30	100	650000	1@1	CP_64QAM	14.93	1.7	16.63	46.03	1000	PASS
n78(3700-3800)	30	100	650000	1@271	CP_64QAM	15.51	1.7	17.21	52.6	1000	PASS
n78(3700-3800)	30	100	650000	273@0	CP_256QAM	12.25	1.7	13.95	24.83	1000	PASS
n78(3700-3800)	30	100	650000	137@68	CP_256QAM	11.9	1.7	13.6	22.91	1000	PASS
n78(3700-3800)	30	100	650000	1@1	CP_256QAM	12	1.7	13.7	23.44	1000	PASS
n78(3700-3800)	30	100	650000	1@271	CP_256QAM	12.46	1.7	14.16	26.06	1000	PASS

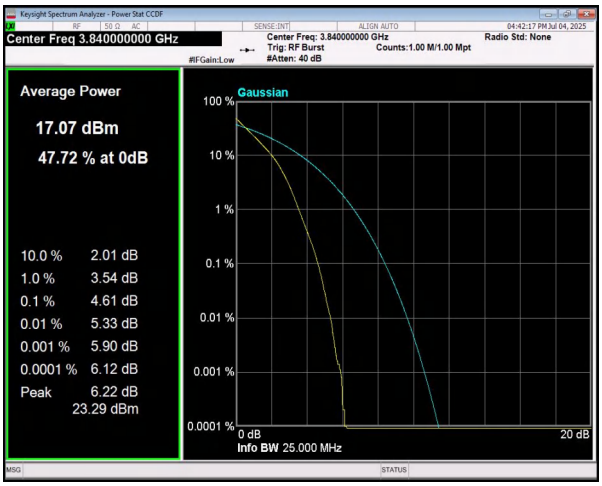
2. Frequency Stability

Temperature (℃)	Voltage (V)	Band	SCS (kHz)	Bandwidth (MHz)	UL Channel	RB Allocation	Modulation	Result(Hz)	Result (ppm)	Verdict
20(Ref.)	3.87	n77(3700-3980)	30	100	656000	270@0	DFT_BPSK	-4.5	-0.00117	PASS
20	3	n77(3700-3980)	30	100	656000	270@0	DFT_BPSK	-5.2	-0.00135	PASS
20	4.45	n77(3700-3980)	30	100	656000	270@0	DFT_BPSK	-0.7	-0.00018	PASS
-30	3.87	n77(3700-3980)	30	100	656000	270@0	DFT_BPSK	-5.7	-0.00148	PASS
-20	3.87	n77(3700-3980)	30	100	656000	270@0	DFT_BPSK	-7.7	-0.00201	PASS
-10	3.87	n77(3700-3980)	30	100	656000	270@0	DFT_BPSK	-7	-0.00182	PASS
0	3.87	n77(3700-3980)	30	100	656000	270@0	DFT_BPSK	-7.7	-0.00201	PASS
10	3.87	n77(3700-3980)	30	100	656000	270@0	DFT_BPSK	-5	-0.0013	PASS
30	3.87	n77(3700-3980)	30	100	656000	270@0	DFT_BPSK	-6.9	-0.0018	PASS
40	3.87	n77(3700-3980)	30	100	656000	270@0	DFT_BPSK	-3.7	-0.00096	PASS
50	3.87	n77(3700-3980)	30	100	656000	270@0	DFT_BPSK	-1.4	-0.00036	PASS

Note: The frequency fundamental emissions stay within the authorized frequency block.

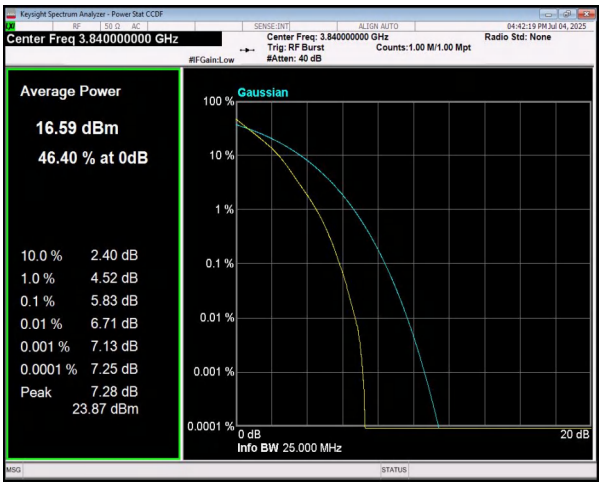
3. Peak-to-average Ratio

Band	SCS (kHz)	Bandwidth (MHz)	UL Channel	RB Allocation	Modulation	Result (dB)	High Limit (dB)	Verdict
n77(3700-3980)	30	20	656000	50@0	DFT_BPSK	4.61	13	PASS
n77(3700-3980)	30	20	656000	50@0	DFT_QPSK	5.83	13	PASS
n77(3700-3980)	30	20	656000	50@0	DFT_16QAM	6.66	13	PASS
n77(3700-3980)	30	20	656000	50@0	DFT_64QAM	6.65	13	PASS
n77(3700-3980)	30	20	656000	50@0	DFT_256QAM	6.57	13	PASS



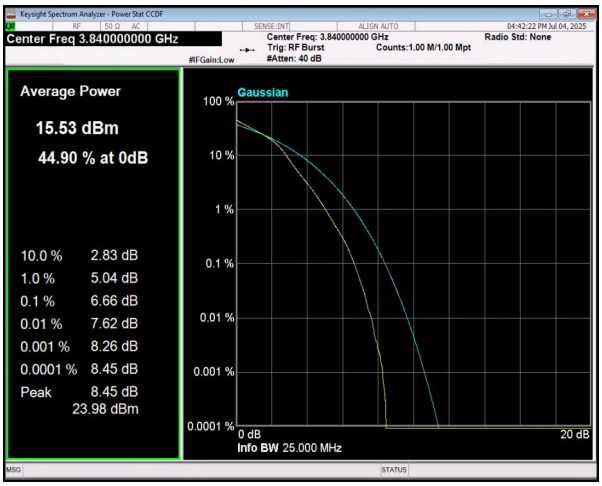
n77(3700-3980) SCS=30kHz DFT_BPSK BW=20MHz

Channel=656000 RB=50@0



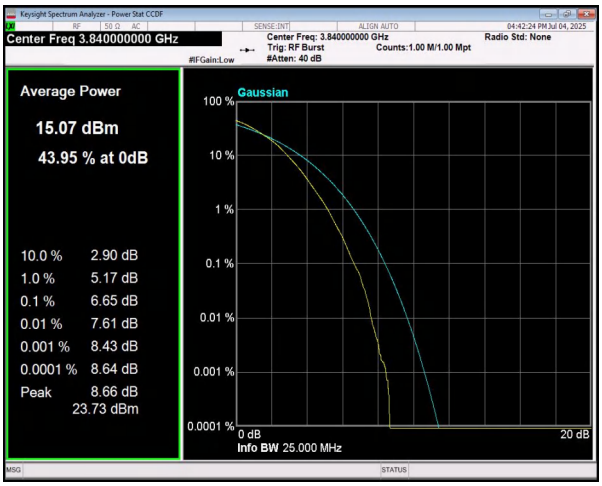
n77(3700-3980) SCS=30kHz DFT_QPSK BW=20MHz

Channel=656000 RB=50@0



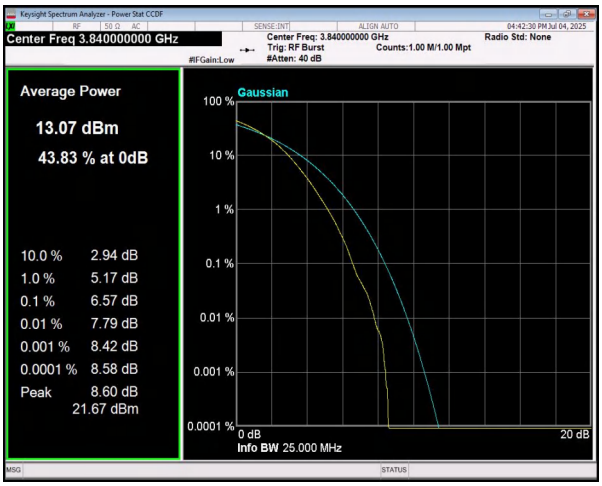
n77(3700-3980) SCS=30kHz DFT_16QAM BW=20MHz

Channel=656000 RB=50@0



n77(3700-3980) SCS=30kHz DFT_64QAM BW=20MHz

Channel=656000 RB=50@0



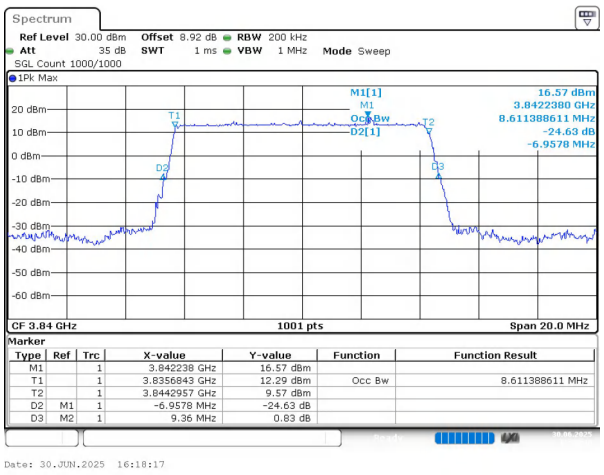
n77(3700-3980) SCS=30kHz DFT_256QAM BW=20MHz

Channel=656000 RB=50@0

4. Occupied Bandwidth

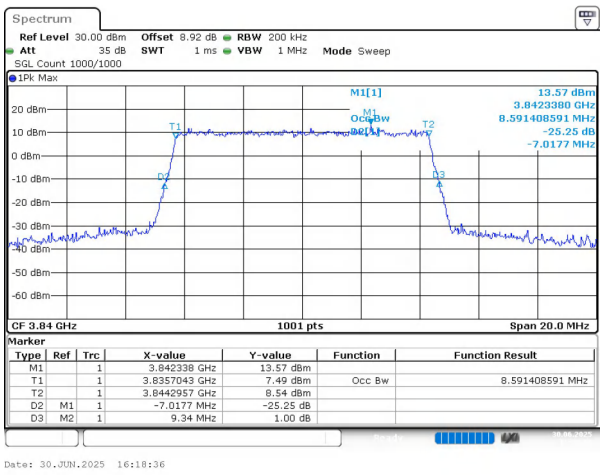
Band	SCS (kHz)	Bandwidth (MHz)	UL Channel	UL Frequency (MHz)	RB Allocation	Modulation	99% OBW (MHz)	-26dB EBW (MHz)	Verdict
n77(3700-3980)	30	10	656000	3840	24@0	DFT_BPSK	8.611	9.360	PASS
n77(3700-3980)	30	10	656000	3840	24@0	CP_QPSK	8.591	9.340	PASS
n77(3700-3980)	30	10	656000	3840	24@0	CP_16QAM	8.611	9.300	PASS
n77(3700-3980)	30	10	656000	3840	24@0	CP_64QAM	8.611	9.360	PASS
n77(3700-3980)	30	10	656000	3840	24@0	CP_256QAM	8.651	9.420	PASS
n77(3700-3980)	30	15	656000	3840	36@0	DFT_BPSK	12.917	13.890	PASS
n77(3700-3980)	30	15	656000	3840	38@0	CP_QPSK	13.606	14.610	PASS
n77(3700-3980)	30	15	656000	3840	38@0	CP_16QAM	13.606	14.520	PASS
n77(3700-3980)	30	15	656000	3840	38@0	CP_64QAM	13.666	14.640	PASS
n77(3700-3980)	30	15	656000	3840	38@0	CP_256QAM	13.606	14.640	PASS
n77(3700-3980)	30	20	656000	3840	50@0	DFT_BPSK	18.062	19.120	PASS
n77(3700-3980)	30	20	656000	3840	51@0	CP_QPSK	18.302	19.680	PASS
n77(3700-3980)	30	20	656000	3840	51@0	CP_16QAM	18.342	19.600	PASS
n77(3700-3980)	30	20	656000	3840	51@0	CP_64QAM	18.302	19.560	PASS
n77(3700-3980)	30	20	656000	3840	51@0	CP_256QAM	18.302	19.560	PASS
n77(3700-3980)	30	40	656000	3840	100@0	DFT_BPSK	36.124	38.320	PASS
n77(3700-3980)	30	40	656000	3840	106@0	CP_QPSK	38.042	40.400	PASS
n77(3700-3980)	30	40	656000	3840	106@0	CP_16QAM	38.122	40.400	PASS
n77(3700-3980)	30	40	656000	3840	106@0	CP_64QAM	38.042	40.480	PASS
n77(3700-3980)	30	40	656000	3840	106@0	CP_256QAM	38.042	40.560	PASS
n77(3700-3980)	30	50	656000	3840	128@0	DFT_BPSK	45.854	48.400	PASS
n77(3700-3980)	30	50	656000	3840	133@0	CP_QPSK	47.552	50.200	PASS
n77(3700-3980)	30	50	656000	3840	133@0	CP_16QAM	47.552	50.100	PASS
n77(3700-3980)	30	50	656000	3840	133@0	CP_64QAM	47.652	50.100	PASS
n77(3700-3980)	30	50	656000	3840	133@0	CP_256QAM	47.552	50.200	PASS
n77(3700-3980)	30	60	656000	3840	162@0	DFT_BPSK	58.621	62.880	PASS
n77(3700-3980)	30	60	656000	3840	162@0	CP_QPSK	58.382	62.640	PASS
n77(3700-3980)	30	60	656000	3840	162@0	CP_16QAM	58.501	62.880	PASS
n77(3700-3980)	30	60	656000	3840	162@0	CP_64QAM	58.501	62.880	PASS
n77(3700-3980)	30	60	656000	3840	162@0	CP_256QAM	58.382	62.760	PASS
n77(3700-3980)	30	70	656000	3840	180@0	DFT_BPSK	65.035	69.300	PASS
n77(3700-3980)	30	70	656000	3840	189@0	CP_QPSK	67.972	72.520	PASS
n77(3700-3980)	30	70	656000	3840	189@0	CP_16QAM	67.832	72.380	PASS
n77(3700-3980)	30	70	656000	3840	189@0	CP_64QAM	67.972	72.380	PASS
n77(3700-3980)	30	70	656000	3840	189@0	CP_256QAM	67.972	72.380	PASS
n77(3700-3980)	30	80	656000	3840	216@0	DFT_BPSK	77.522	82.240	PASS
n77(3700-3980)	30	80	656000	3840	217@0	CP_QPSK	77.842	82.400	PASS
n77(3700-3980)	30	80	656000	3840	217@0	CP_16QAM	77.842	82.400	PASS

n77(3700-3980)	30	80	656000	3840	217@0	CP_64QAM	77.842	82.240	PASS
n77(3700-3980)	30	80	656000	3840	217@0	CP_256QAM	77.842	82.560	PASS
n77(3700-3980)	30	90	656000	3840	243@0	DFT_BPSK	87.213	91.800	PASS
n77(3700-3980)	30	90	656000	3840	245@0	CP_QPSK	87.752	92.880	PASS
n77(3700-3980)	30	90	656000	3840	245@0	CP_16QAM	87.752	92.700	PASS
n77(3700-3980)	30	90	656000	3840	245@0	CP_64QAM	87.752	92.520	PASS
n77(3700-3980)	30	90	656000	3840	245@0	CP_256QAM	87.752	92.340	PASS
n77(3700-3980)	30	100	656000	3840	270@0	DFT_BPSK	96.903	101.600	PASS
n77(3700-3980)	30	100	656000	3840	273@0	CP_QPSK	97.902	102.600	PASS
n77(3700-3980)	30	100	656000	3840	273@0	CP_16QAM	97.702	102.600	PASS
n77(3700-3980)	30	100	656000	3840	273@0	CP_64QAM	97.702	102.600	PASS
n77(3700-3980)	30	100	656000	3840	273@0	CP_256QAM	97.702	102.800	PASS



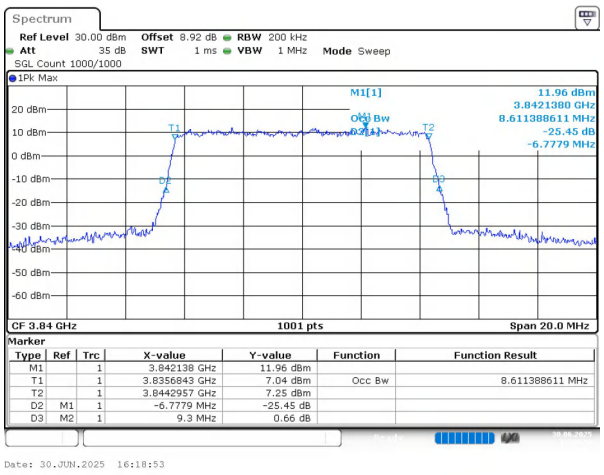
n77(3700-3980) SCS=30kHz DFT_BPSK BW=10MHz

Channel=656000 RB=24@0



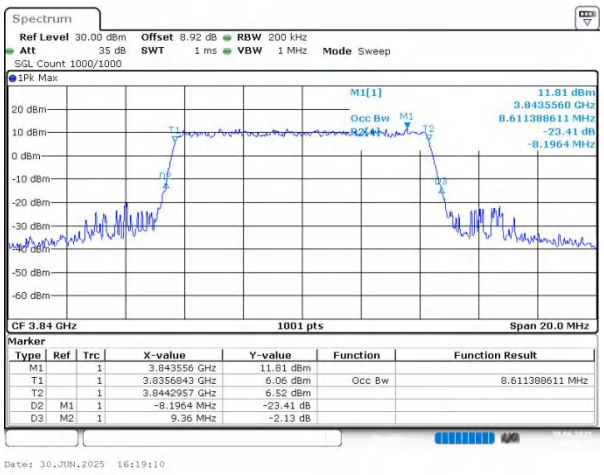
n77(3700-3980) SCS=30kHz CP_QPSK BW=10MHz

Channel=656000 RB=24@0



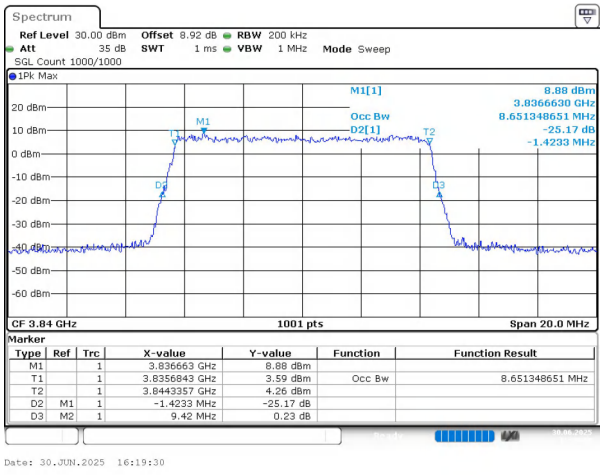
n77(3700-3980) SCS=30kHz CP_16QAM BW=10MHz

Channel=656000 RB=24@0



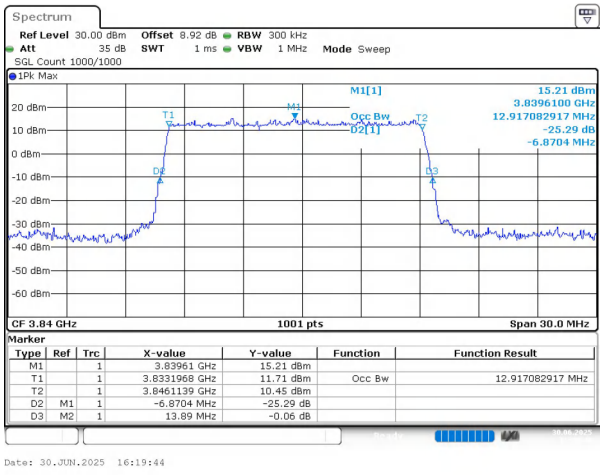
n77(3700-3980) SCS=30kHz CP_64QAM BW=10MHz

Channel=656000 RB=24@0



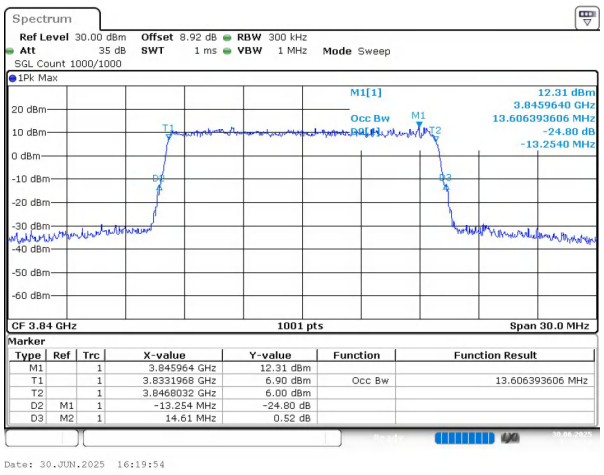
n77(3700-3980) SCS=30kHz CP_256QAM BW=10MHz

Channel=656000 RB=24@0



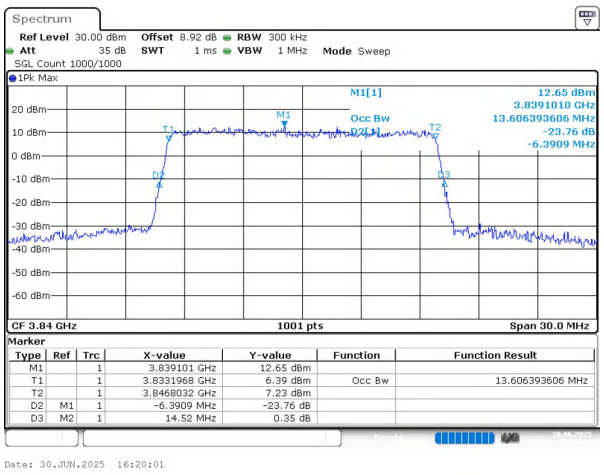
n77(3700-3980) SCS=30kHz DFT_BPSK BW=15MHz

Channel=656000 RB=36@0



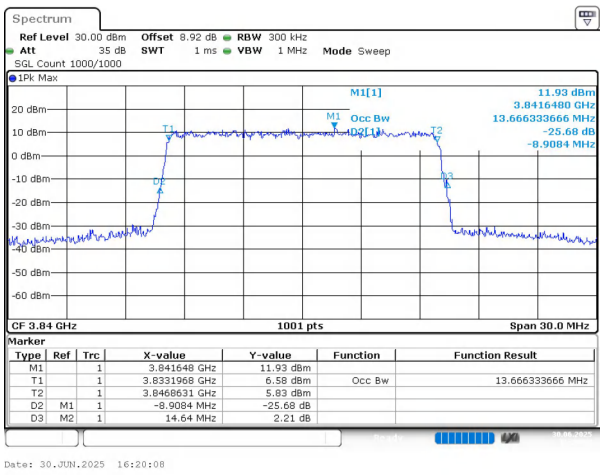
n77(3700-3980) SCS=30kHz CP_QPSK BW=15MHz

Channel=656000 RB=38@0



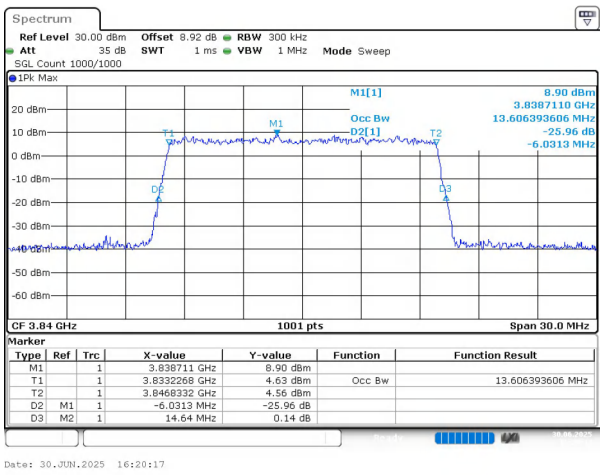
n77(3700-3980) SCS=30kHz CP_16QAM BW=15MHz

Channel=656000 RB=38@0



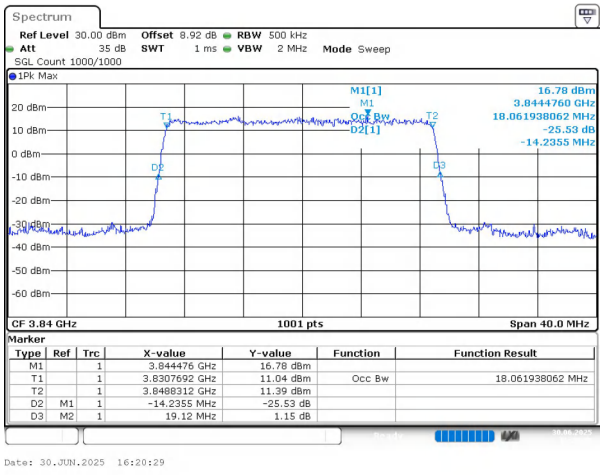
n77(3700-3980) SCS=30kHz CP_64QAM BW=15MHz

Channel=656000 RB=38@0



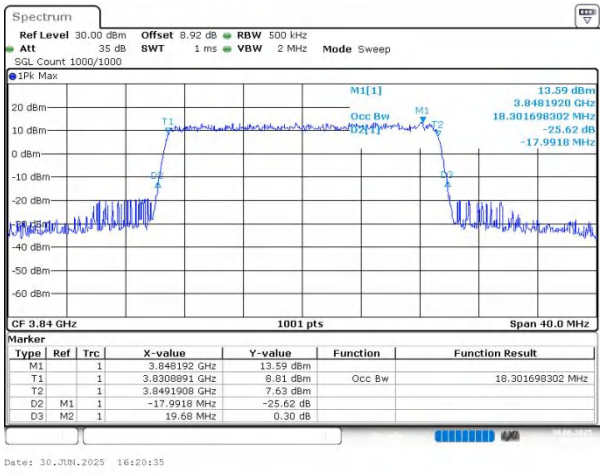
n77(3700-3980) SCS=30kHz CP_256QAM BW=15MHz

Channel=656000 RB=38@0



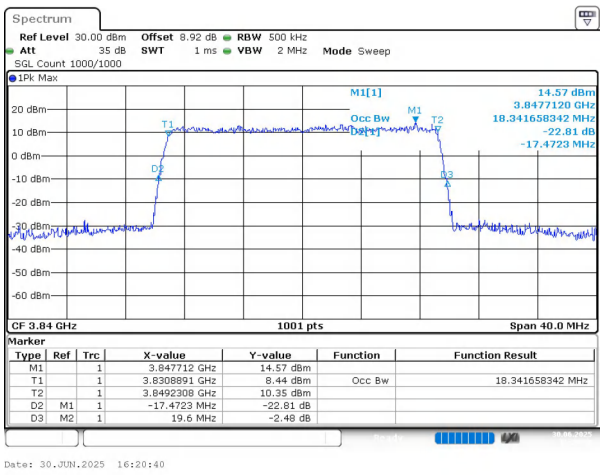
n77(3700-3980) SCS=30kHz DFT_BPSK BW=20MHz

Channel=656000 RB=50@0



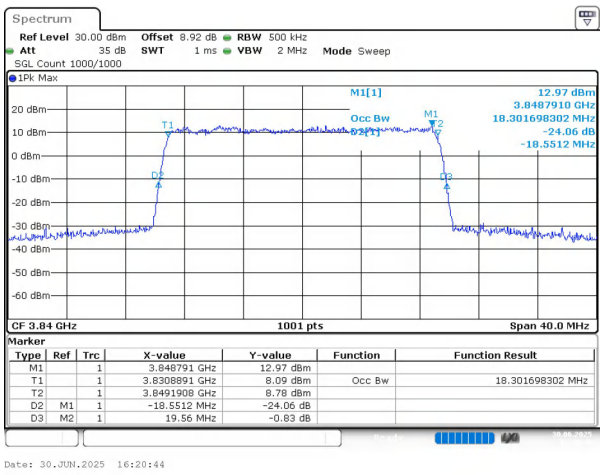
n77(3700-3980) SCS=30kHz CP_QPSK BW=20MHz

Channel=656000 RB=51@0



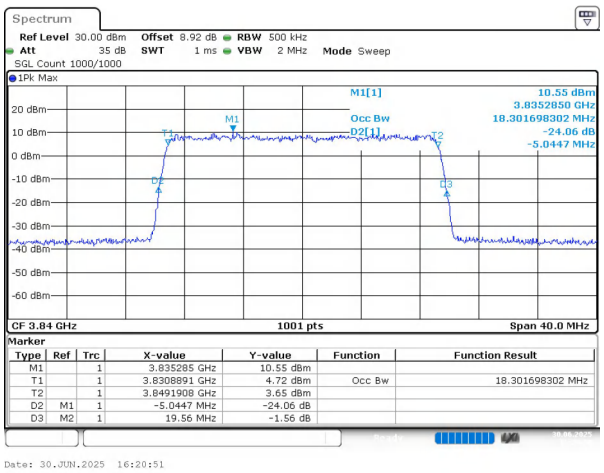
n77(3700-3980) SCS=30kHz CP_16QAM BW=20MHz

Channel=656000 RB=51@0



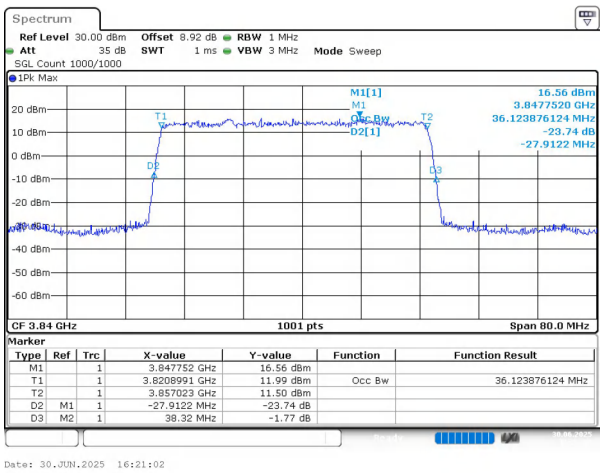
n77(3700-3980) SCS=30kHz CP_64QAM BW=20MHz

Channel=656000 RB=51@0



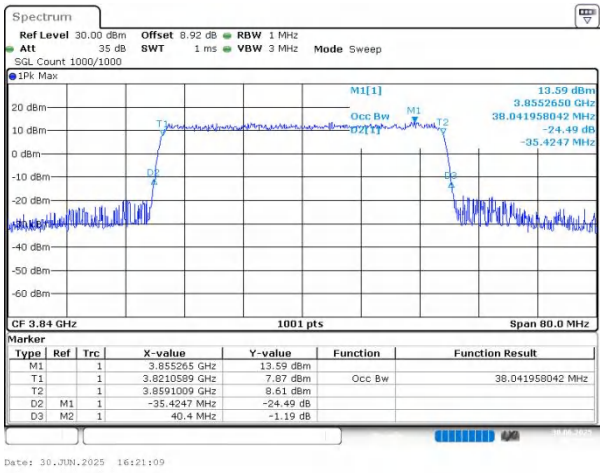
n77(3700-3980) SCS=30kHz CP_256QAM BW=20MHz

Channel=656000 RB=51@0



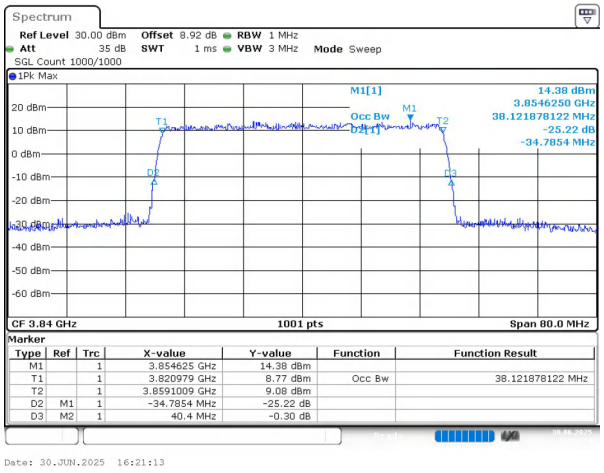
n77(3700-3980) SCS=30kHz DFT_BPSK BW=40MHz

Channel=656000 RB=100@0



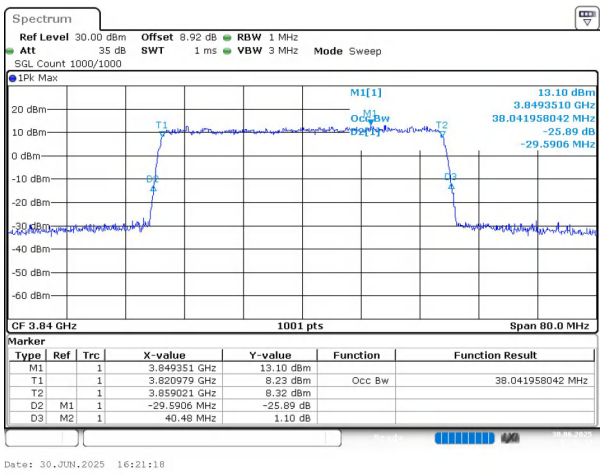
n77(3700-3980) SCS=30kHz CP_QPSK BW=40MHz

Channel=656000 RB=106@0



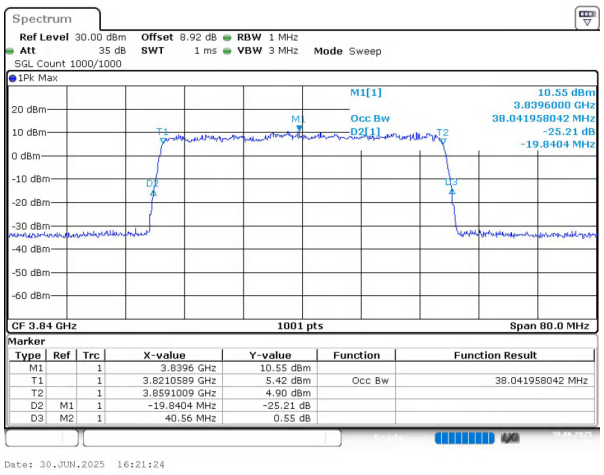
n77(3700-3980) SCS=30kHz CP_16QAM BW=40MHz

Channel=656000 RB=106@0



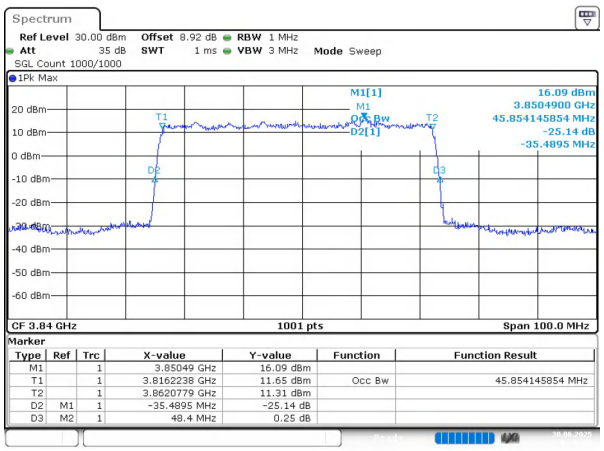
n77(3700-3980) SCS=30kHz CP_64QAM BW=40MHz

Channel=656000 RB=106@0



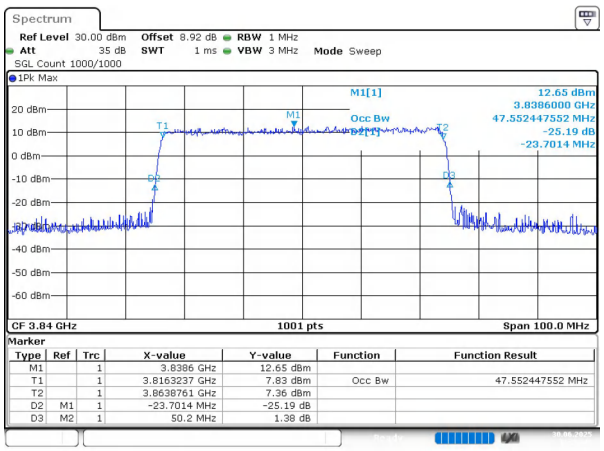
n77(3700-3980) SCS=30kHz CP_256QAM BW=40MHz

Channel=656000 RB=106@0



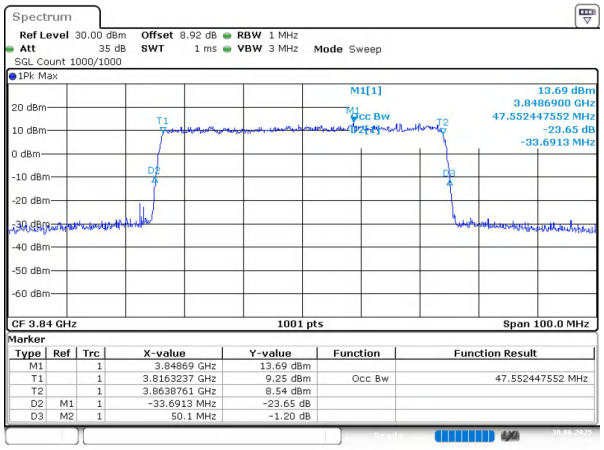
n77(3700-3980) SCS=30kHz DFT_BPSK BW=50MHz

Channel=656000 RB=128@0



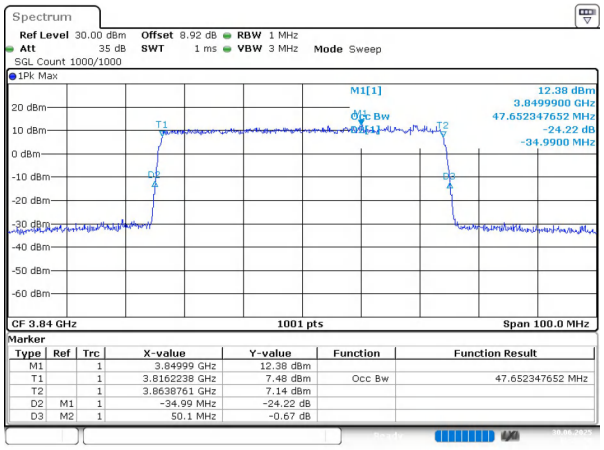
n77(3700-3980) SCS=30kHz CP_QPSK BW=50MHz

Channel=656000 RB=133@0



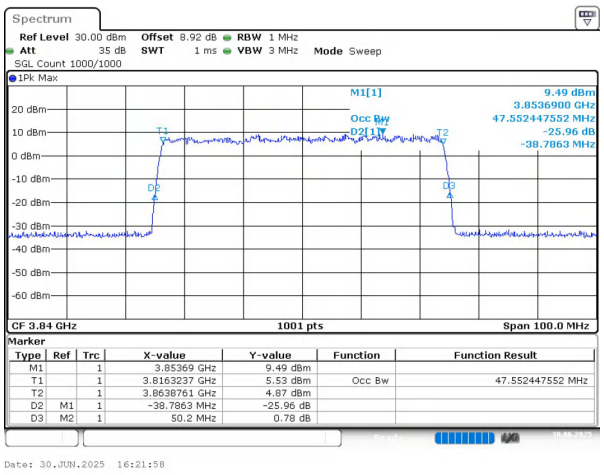
n77(3700-3980) SCS=30kHz CP_16QAM BW=50MHz

Channel=656000 RB=133@0



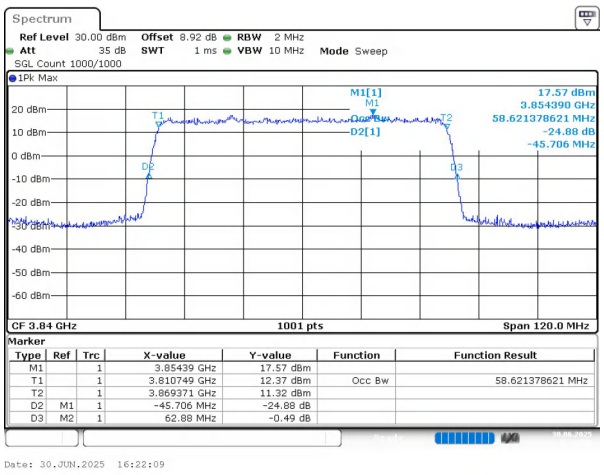
n77(3700-3980) SCS=30kHz CP_64QAM BW=50MHz

Channel=656000 RB=133@0



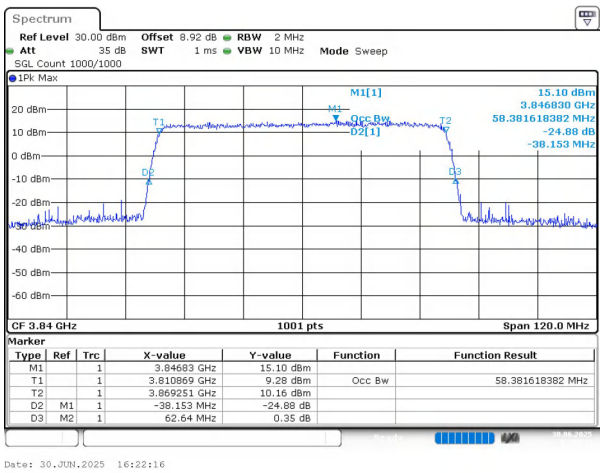
n77(3700-3980) SCS=30kHz CP_256QAM BW=50MHz

Channel=656000 RB=133@0



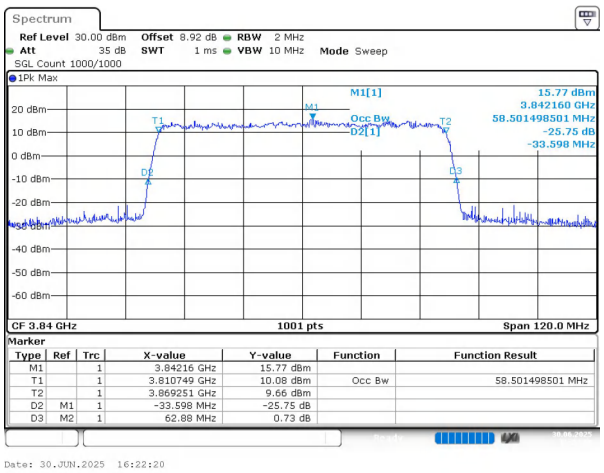
n77(3700-3980) SCS=30kHz DFT_BPSK BW=60MHz

Channel=656000 RB=162@0



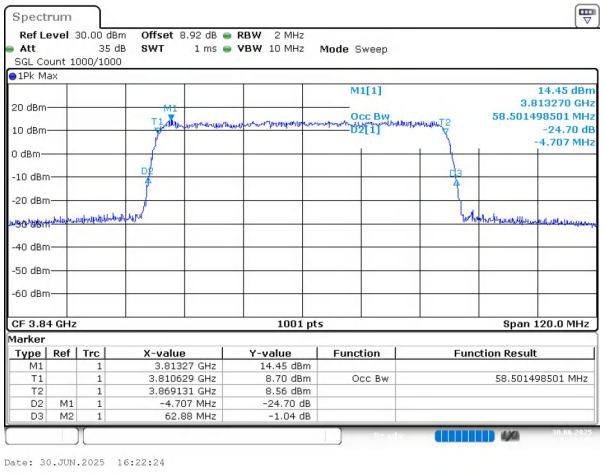
n77(3700-3980) SCS=30kHz CP_QPSK BW=60MHz

Channel=656000 RB=162@0



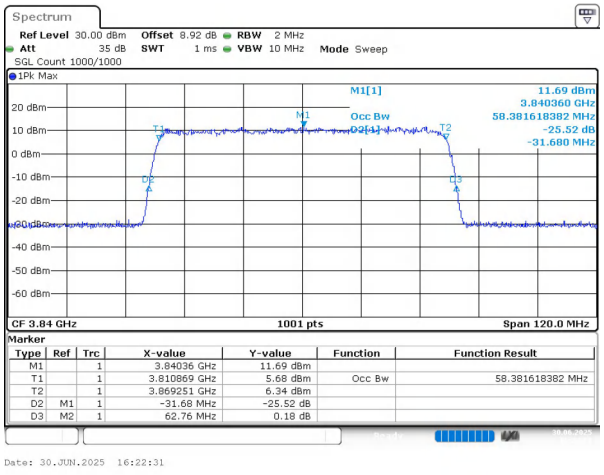
n77(3700-3980) SCS=30kHz CP_16QAM BW=60MHz

Channel=656000 RB=162@0



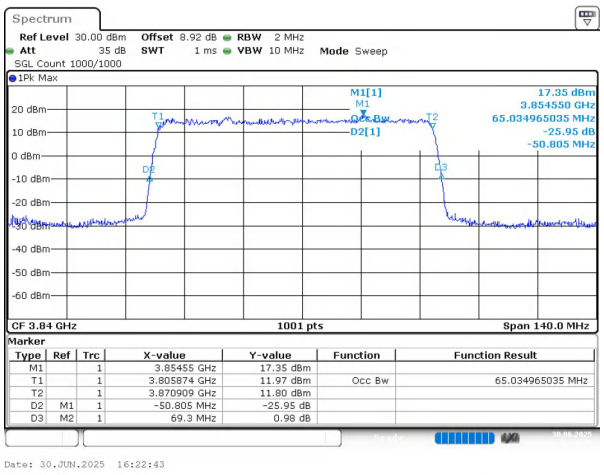
n77(3700-3980) SCS=30kHz CP_64QAM BW=60MHz

Channel=656000 RB=162@0



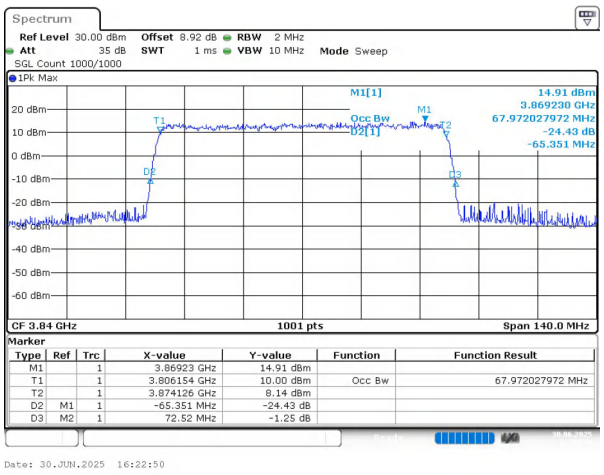
n77(3700-3980) SCS=30kHz CP_256QAM BW=60MHz

Channel=656000 RB=162@0



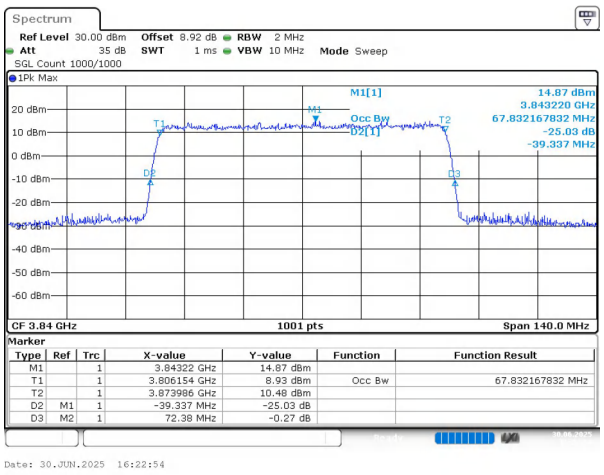
n77(3700-3980) SCS=30kHz DFT_BPSK BW=70MHz

Channel=656000 RB=180@0



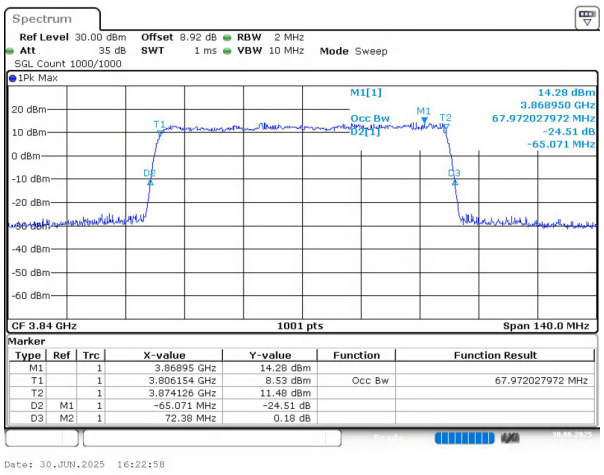
n77(3700-3980) SCS=30kHz CP_QPSK BW=70MHz

Channel=656000 RB=189@0



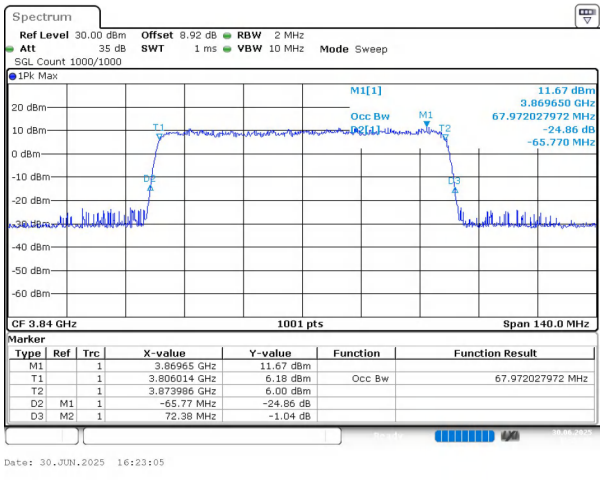
n77(3700-3980) SCS=30kHz CP_16QAM BW=70MHz

Channel=656000 RB=189@0



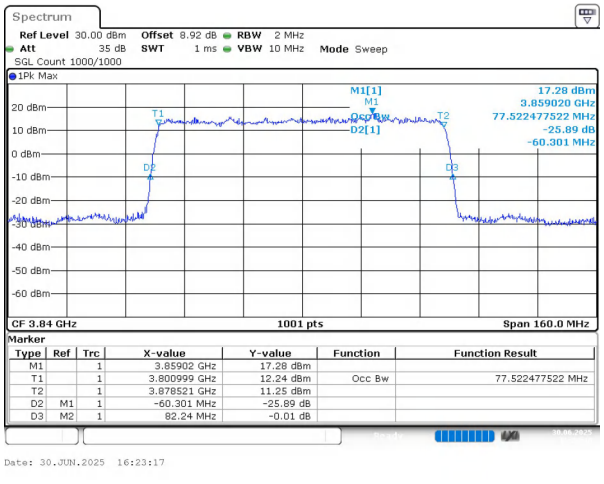
n77(3700-3980) SCS=30kHz CP_64QAM BW=70MHz

Channel=656000 RB=189@0



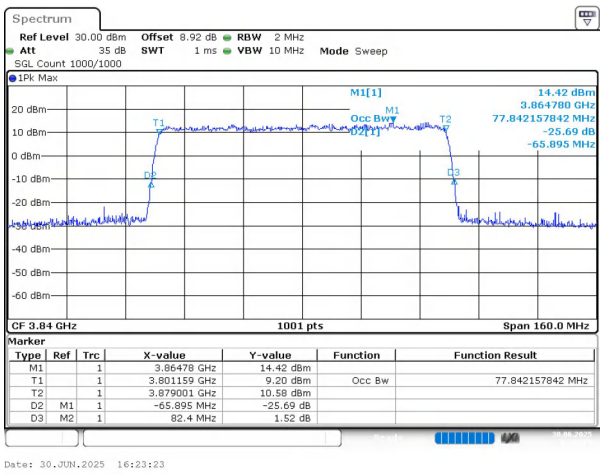
n77(3700-3980) SCS=30kHz CP_256QAM BW=70MHz

Channel=656000 RB=189@0



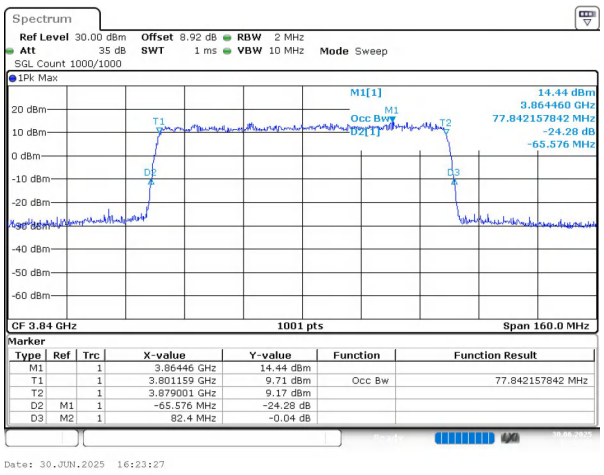
n77(3700-3980) SCS=30kHz DFT_BPSK BW=80MHz

Channel=656000 RB=216@0



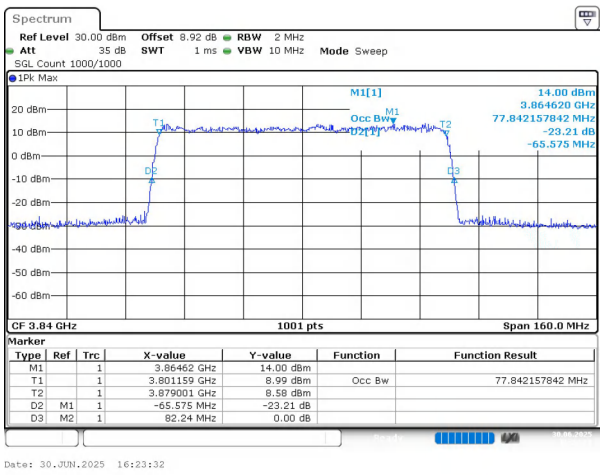
n77(3700-3980) SCS=30kHz CP_QPSK BW=80MHz

Channel=656000 RB=217@0



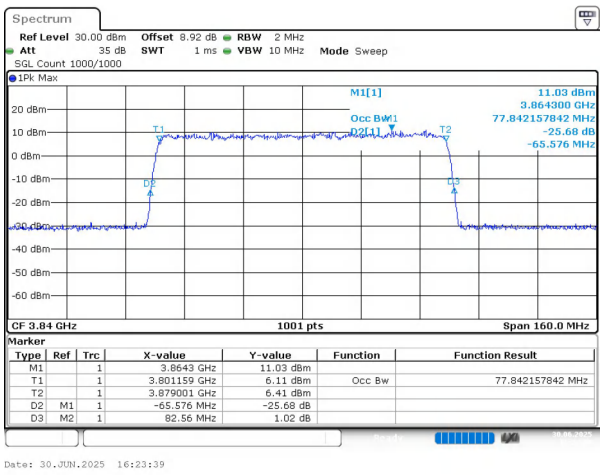
n77(3700-3980) SCS=30kHz CP_16QAM BW=80MHz

Channel=656000 RB=217@0



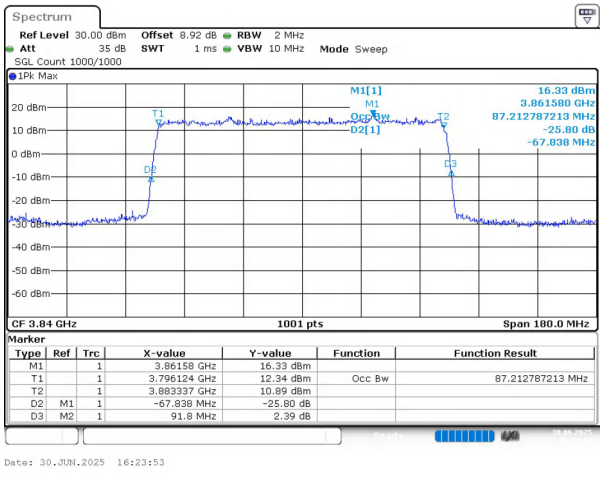
n77(3700-3980) SCS=30kHz CP_64QAM BW=80MHz

Channel=656000 RB=217@0



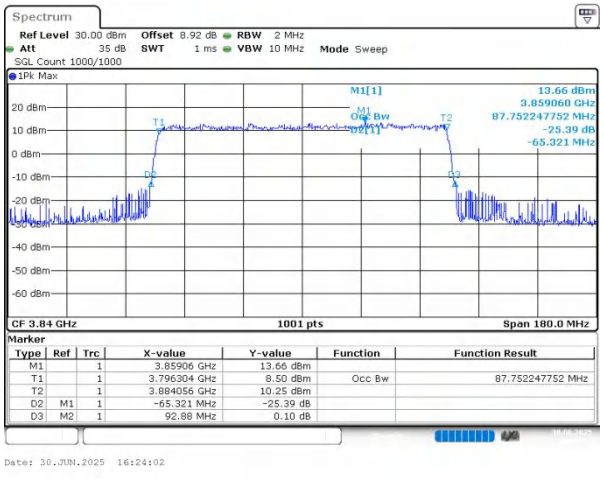
n77(3700-3980) SCS=30kHz CP_256QAM BW=80MHz

Channel=656000 RB=217@0



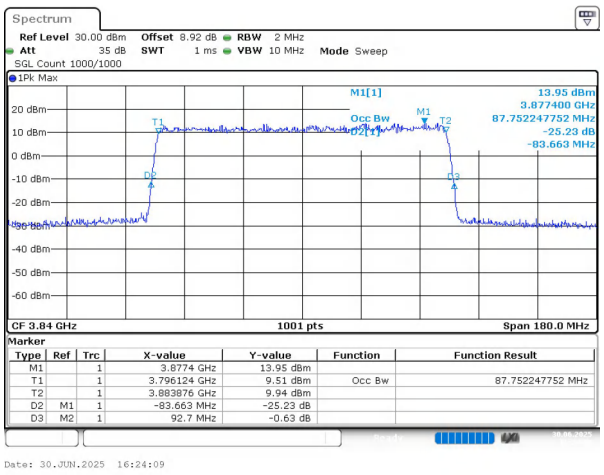
n77(3700-3980) SCS=30kHz DFT_BPSK BW=90MHz

Channel=656000 RB=243@0



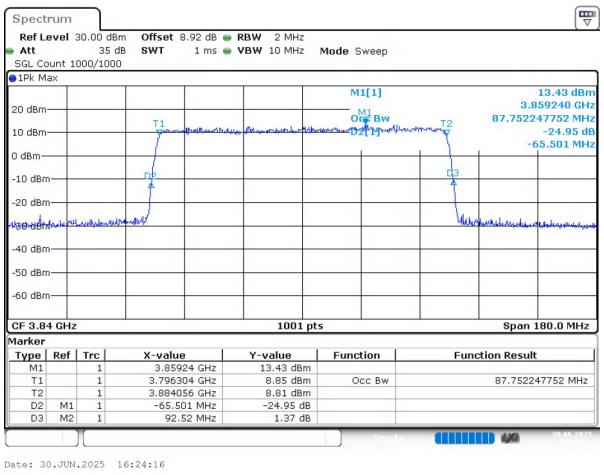
n77(3700-3980) SCS=30kHz CP_QPSK BW=90MHz

Channel=656000 RB=245@0



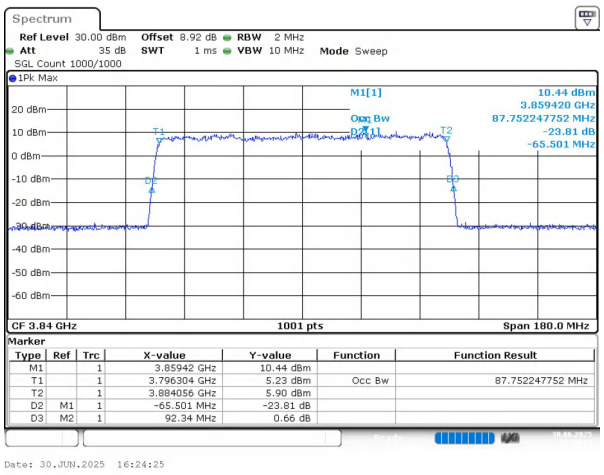
n77(3700-3980) SCS=30kHz CP_16QAM BW=90MHz

Channel=656000 RB=245@0



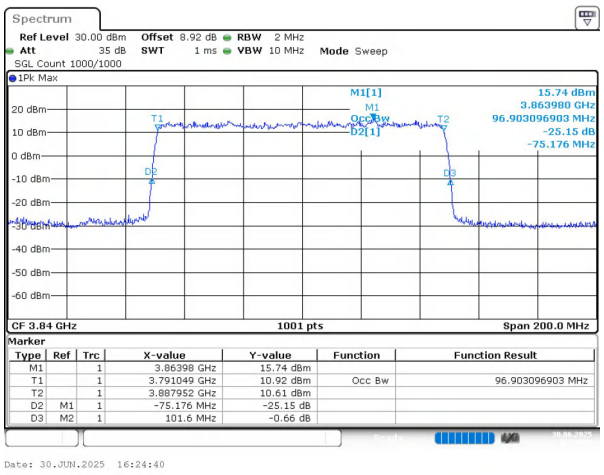
n77(3700-3980) SCS=30kHz CP_64QAM BW=90MHz

Channel=656000 RB=245@0



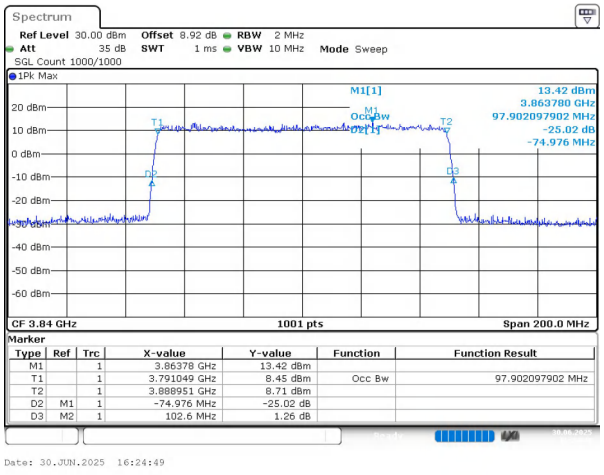
n77(3700-3980) SCS=30kHz CP_256QAM BW=90MHz

Channel=656000 RB=245@0



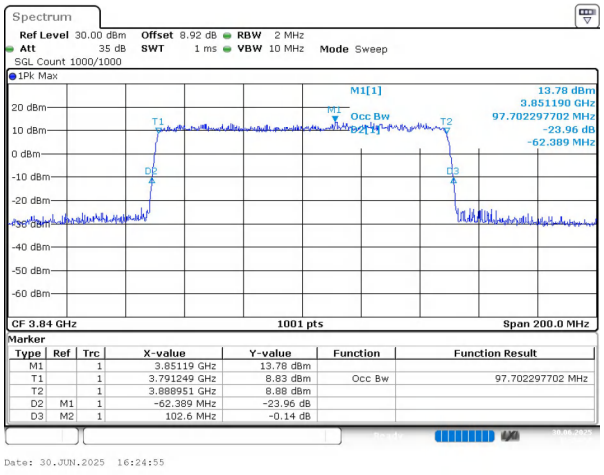
n77(3700-3980) SCS=30kHz DFT_BPSK BW=100MHz

Channel=656000 RB=270@0



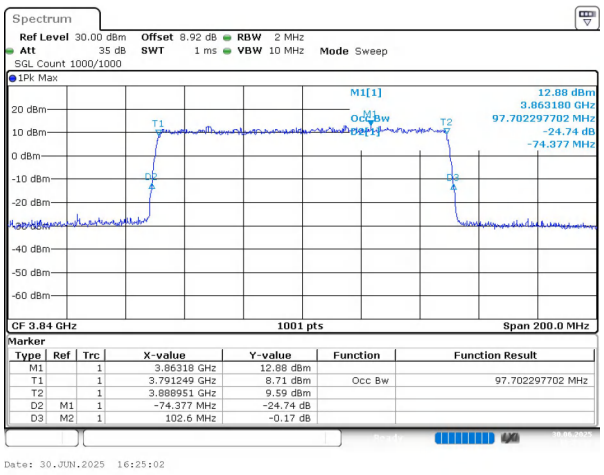
n77(3700-3980) SCS=30kHz CP_QPSK BW=100MHz

Channel=656000 RB=273@0



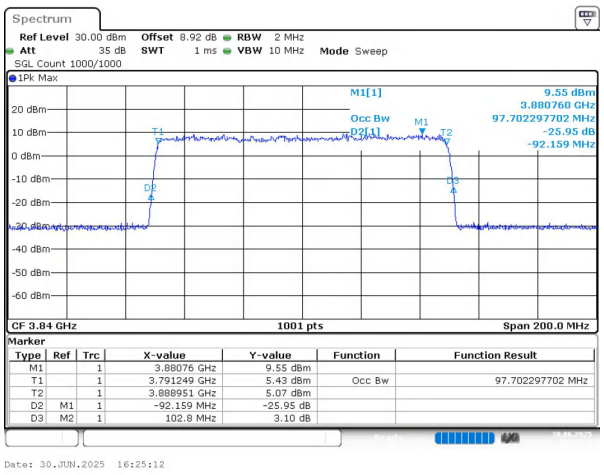
n77(3700-3980) SCS=30kHz CP_16QAM BW=100MHz

Channel=656000 RB=273@0



n77(3700-3980) SCS=30kHz CP_64QAM BW=100MHz

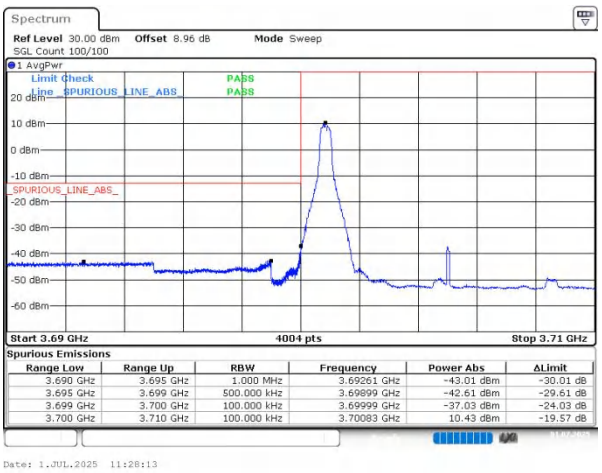
Channel=656000 RB=273@0



n77(3700-3980) SCS=30kHz CP_256QAM BW=100MHz

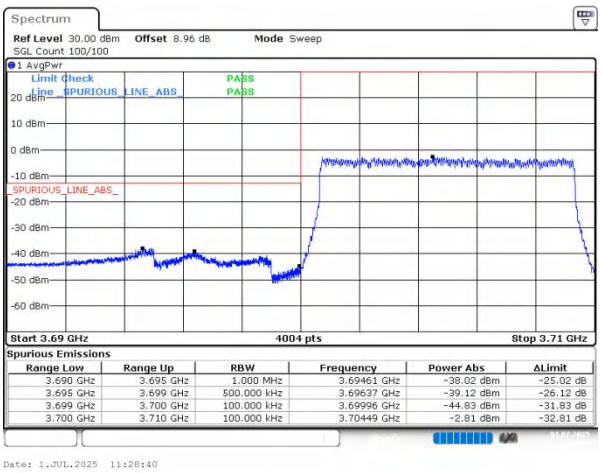
Channel=656000 RB=273@0

5. Conducted Band Edge



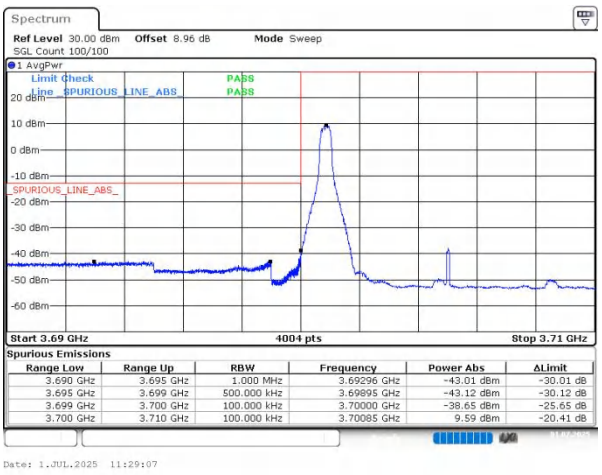
n77(3700-3980) SCS=30kHz DFT_BPSK BW=10MHz

LowChannel=647000 RB=1@0



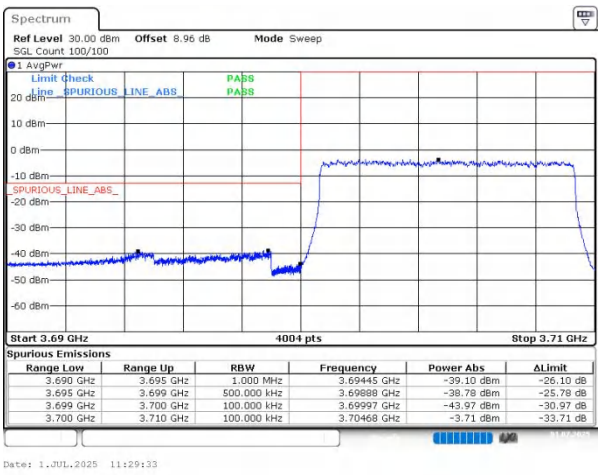
n77(3700-3980) SCS=30kHz DFT_BPSK BW=10MHz

LowChannel=647000 RB=24@0



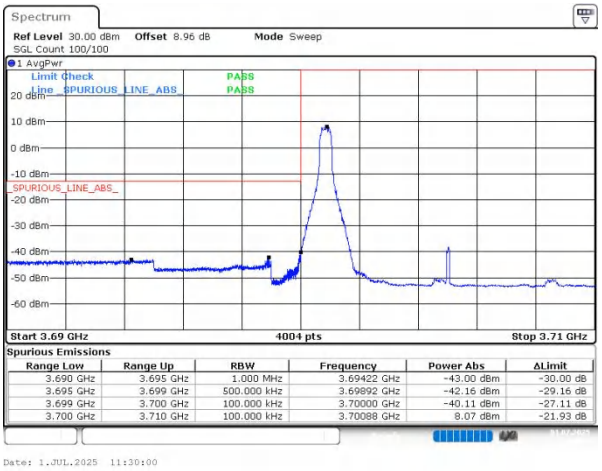
n77(3700-3980) SCS=30kHz DFT_QPSK BW=10MHz

LowChannel=647000 RB=1@0



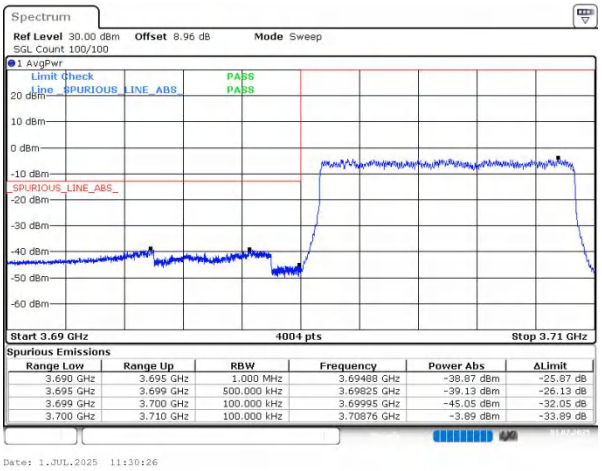
n77(3700-3980) SCS=30kHz DFT_QPSK BW=10MHz

LowChannel=647000 RB=24@0



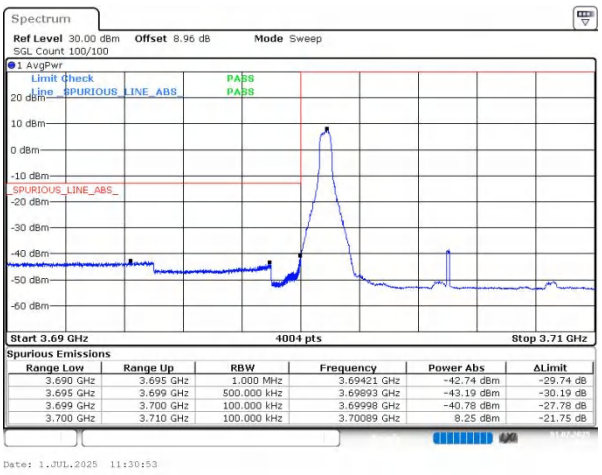
n77(3700-3980) SCS=30kHz DFT_16QAM BW=10MHz

LowChannel=647000 RB=1@0



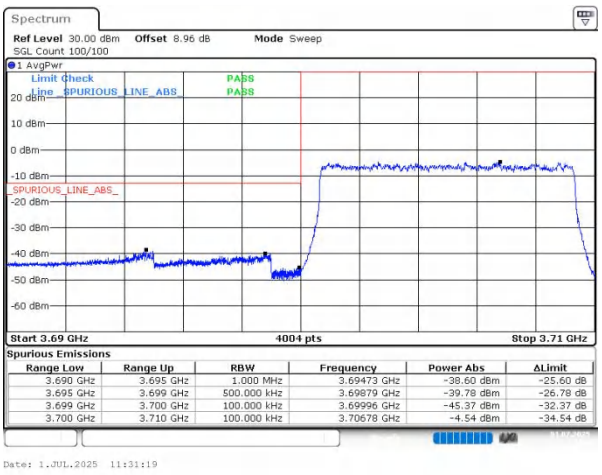
n77(3700-3980) SCS=30kHz DFT_16QAM BW=10MHz

LowChannel=647000 RB=24@0



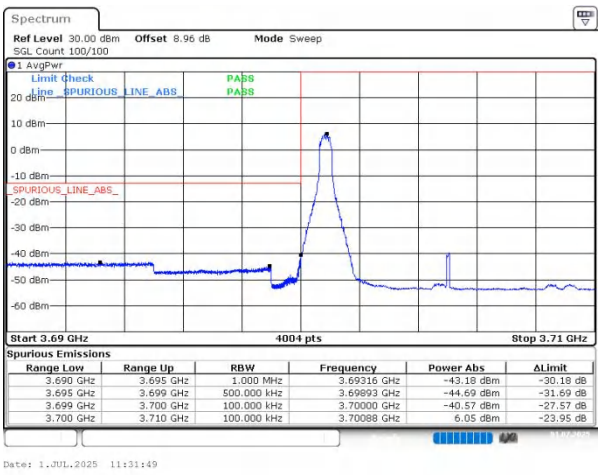
n77(3700-3980) SCS=30kHz DFT_64QAM BW=10MHz

LowChannel=647000 RB=1@0



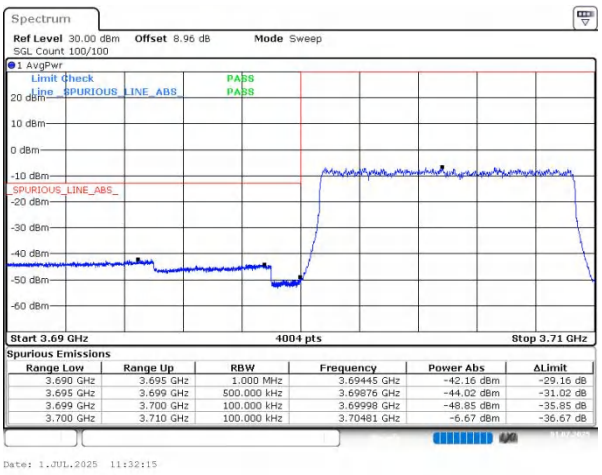
n77(3700-3980) SCS=30kHz DFT_64QAM BW=10MHz

LowChannel=647000 RB=24@0



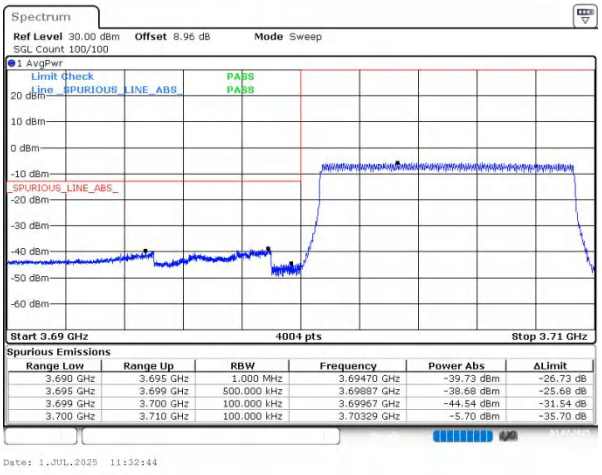
n77(3700-3980) SCS=30kHz DFT_256QAM BW=10MHz

LowChannel=647000 RB=1@0



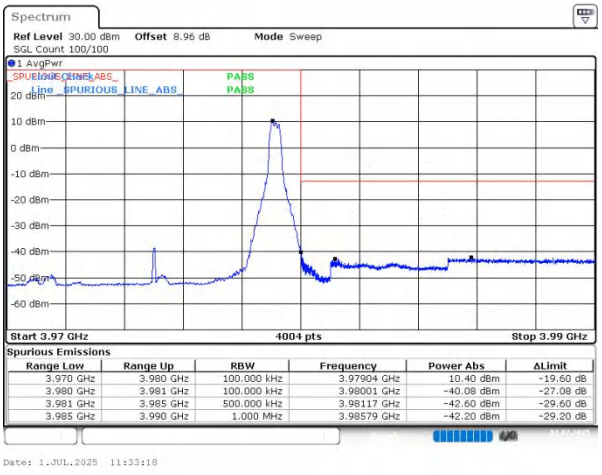
n77(3700-3980) SCS=30kHz DFT_256QAM BW=10MHz

LowChannel=647000 RB=24@0



n77(3700-3980) SCS=30kHz CP_QPSK BW=10MHz

LowChannel=647000 RB=24@0



n77(3700-3980) SCS=30kHz DFT_BPSK BW=10MHz

HighChannel=665000 RB=1@23