

Appendix A : Test Results-n77(3.7G)

1 Conducted Output Power And E.I.R.P.

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	20.26	-2.6	17.66	58.34	1000	PASS
n77(3700-3980)	30	10	647000	12@6	DFT_BPSK	20.63	-2.6	18.03	63.53	1000	PASS
n77(3700-3980)	30	10	647000	1@1	DFT_BPSK	20.72	-2.6	18.12	64.86	1000	PASS
n77(3700-3980)	30	10	647000	1@22	DFT_BPSK	20.53	-2.6	17.93	62.09	1000	PASS
n77(3700-3980)	30	10	647000	24@0	DFT_QPSK	19.77	-2.6	17.17	52.12	1000	PASS
n77(3700-3980)	30	10	647000	12@6	DFT_QPSK	20.62	-2.6	18.02	63.39	1000	PASS
n77(3700-3980)	30	10	647000	1@1	DFT_QPSK	20.71	-2.6	18.11	64.71	1000	PASS
n77(3700-3980)	30	10	647000	1@22	DFT_QPSK	20.5	-2.6	17.9	61.66	1000	PASS
n77(3700-3980)	30	10	647000	24@0	DFT_QAM16	18.73	-2.6	16.13	41.02	1000	PASS
n77(3700-3980)	30	10	647000	12@6	DFT_QAM16	19.86	-2.6	17.26	53.21	1000	PASS
n77(3700-3980)	30	10	647000	1@1	DFT_QAM16	19.82	-2.6	17.22	52.72	1000	PASS
n77(3700-3980)	30	10	647000	1@22	DFT_QAM16	19.85	-2.6	17.25	53.09	1000	PASS
n77(3700-3980)	30	10	647000	24@0	DFT_QAM64	18.26	-2.6	15.66	36.81	1000	PASS
n77(3700-3980)	30	10	647000	12@6	DFT_QAM64	17.55	-2.6	14.95	31.26	1000	PASS
n77(3700-3980)	30	10	647000	1@1	DFT_QAM64	17.97	-2.6	15.37	34.43	1000	PASS
n77(3700-3980)	30	10	647000	1@22	DFT_QAM64	17.94	-2.6	15.34	34.2	1000	PASS
n77(3700-3980)	30	10	647000	24@0	DFT_QAM256	16.87	-2.6	14.27	26.73	1000	PASS
n77(3700-3980)	30	10	647000	12@6	DFT_QAM256	16.22	-2.6	13.62	23.01	1000	PASS
n77(3700-3980)	30	10	647000	1@1	DFT_QAM256	18.63	-2.6	16.03	40.09	1000	PASS
n77(3700-3980)	30	10	647000	1@22	DFT_QAM256	16.17	-2.6	13.57	22.75	1000	PASS
n77(3700-3980)	30	10	647000	24@0	CP_QPSK	17.71	-2.6	15.11	32.43	1000	PASS
n77(3700-3980)	30	10	647000	12@6	CP_QPSK	19.29	-2.6	16.69	46.67	1000	PASS
n77(3700-3980)	30	10	647000	1@1	CP_QPSK	19.15	-2.6	16.55	45.19	1000	PASS
n77(3700-3980)	30	10	647000	1@22	CP_QPSK	19.17	-2.6	16.57	45.39	1000	PASS
n77(3700-3980)	30	10	647000	24@0	CP_QAM16	18.38	-2.6	15.78	37.84	1000	PASS
n77(3700-3980)	30	10	647000	12@6	CP_QAM16	18.73	-2.6	16.13	41.02	1000	PASS
n77(3700-3980)	30	10	647000	1@1	CP_QAM16	18.6	-2.6	16	39.81	1000	PASS
n77(3700-3980)	30	10	647000	1@22	CP_QAM16	18.63	-2.6	16.03	40.09	1000	PASS
n77(3700-3980)	30	10	647000	24@0	CP_QAM64	17.23	-2.6	14.63	29.04	1000	PASS
n77(3700-3980)	30	10	647000	12@6	CP_QAM64	17.23	-2.6	14.63	29.04	1000	PASS
n77(3700-3980)	30	10	647000	1@1	CP_QAM64	17.49	-2.6	14.89	30.83	1000	PASS
n77(3700-3980)	30	10	647000	1@22	CP_QAM64	17.21	-2.6	14.61	28.91	1000	PASS

n77(3700-3980)	30	10	647000	24@0	CP_QAM256	14.24	-2.6	11.64	14.59	1000	PASS
n77(3700-3980)	30	10	647000	12@6	CP_QAM256	14.22	-2.6	11.62	14.52	1000	PASS
n77(3700-3980)	30	10	647000	1@1	CP_QAM256	14.15	-2.6	11.55	14.29	1000	PASS
n77(3700-3980)	30	10	647000	1@22	CP_QAM256	14.19	-2.6	11.59	14.42	1000	PASS
n77(3700-3980)	30	10	656000	24@0	DFT_BPSK	20.21	-2.6	17.61	57.68	1000	PASS
n77(3700-3980)	30	10	656000	12@6	DFT_BPSK	20.53	-2.6	17.93	62.09	1000	PASS
n77(3700-3980)	30	10	656000	1@1	DFT_BPSK	20.42	-2.6	17.82	60.53	1000	PASS
n77(3700-3980)	30	10	656000	1@22	DFT_BPSK	20.51	-2.6	17.91	61.8	1000	PASS
n77(3700-3980)	30	10	656000	24@0	DFT_QPSK	19.67	-2.6	17.07	50.93	1000	PASS
n77(3700-3980)	30	10	656000	12@6	DFT_QPSK	20.51	-2.6	17.91	61.8	1000	PASS
n77(3700-3980)	30	10	656000	1@1	DFT_QPSK	20.39	-2.6	17.79	60.12	1000	PASS
n77(3700-3980)	30	10	656000	1@22	DFT_QPSK	20.5	-2.6	17.9	61.66	1000	PASS
n77(3700-3980)	30	10	656000	24@0	DFT_QAM16	18.66	-2.6	16.06	40.36	1000	PASS
n77(3700-3980)	30	10	656000	12@6	DFT_QAM16	19.67	-2.6	17.07	50.93	1000	PASS
n77(3700-3980)	30	10	656000	1@1	DFT_QAM16	19.55	-2.6	16.95	49.55	1000	PASS
n77(3700-3980)	30	10	656000	1@22	DFT_QAM16	19.63	-2.6	17.03	50.47	1000	PASS
n77(3700-3980)	30	10	656000	24@0	DFT_QAM64	18.11	-2.6	15.51	35.56	1000	PASS
n77(3700-3980)	30	10	656000	12@6	DFT_QAM64	18.13	-2.6	15.53	35.73	1000	PASS
n77(3700-3980)	30	10	656000	1@1	DFT_QAM64	17.91	-2.6	15.31	33.96	1000	PASS
n77(3700-3980)	30	10	656000	1@22	DFT_QAM64	17.88	-2.6	15.28	33.73	1000	PASS
n77(3700-3980)	30	10	656000	24@0	DFT_QAM256	16.36	-2.6	13.76	23.77	1000	PASS
n77(3700-3980)	30	10	656000	12@6	DFT_QAM256	16.12	-2.6	13.52	22.49	1000	PASS
n77(3700-3980)	30	10	656000	1@1	DFT_QAM256	16.09	-2.6	13.49	22.34	1000	PASS
n77(3700-3980)	30	10	656000	1@22	DFT_QAM256	16.14	-2.6	13.54	22.59	1000	PASS
n77(3700-3980)	30	10	656000	24@0	CP_QPSK	17.65	-2.6	15.05	31.99	1000	PASS
n77(3700-3980)	30	10	656000	12@6	CP_QPSK	19.18	-2.6	16.58	45.5	1000	PASS
n77(3700-3980)	30	10	656000	1@1	CP_QPSK	19.08	-2.6	16.48	44.46	1000	PASS
n77(3700-3980)	30	10	656000	1@22	CP_QPSK	19.14	-2.6	16.54	45.08	1000	PASS
n77(3700-3980)	30	10	656000	24@0	CP_QAM16	18.16	-2.6	15.56	35.97	1000	PASS
n77(3700-3980)	30	10	656000	12@6	CP_QAM16	18.65	-2.6	16.05	40.27	1000	PASS
n77(3700-3980)	30	10	656000	1@1	CP_QAM16	18.42	-2.6	15.82	38.19	1000	PASS
n77(3700-3980)	30	10	656000	1@22	CP_QAM16	18.58	-2.6	15.98	39.63	1000	PASS
n77(3700-3980)	30	10	656000	24@0	CP_QAM64	17.11	-2.6	14.51	28.25	1000	PASS
n77(3700-3980)	30	10	656000	12@6	CP_QAM64	17.33	-2.6	14.73	29.72	1000	PASS
n77(3700-3980)	30	10	656000	1@1	CP_QAM64	17.14	-2.6	14.54	28.44	1000	PASS
n77(3700-3980)	30	10	656000	1@22	CP_QAM64	17.24	-2.6	14.64	29.11	1000	PASS
n77(3700-3980)	30	10	656000	24@0	CP_QAM256	14.15	-2.6	11.55	14.29	1000	PASS
n77(3700-3980)	30	10	656000	12@6	CP_QAM256	14.13	-2.6	11.53	14.22	1000	PASS
n77(3700-3980)	30	10	656000	1@1	CP_QAM256	14.07	-2.6	11.47	14.03	1000	PASS
n77(3700-3980)	30	10	656000	1@22	CP_QAM256	14.36	-2.6	11.76	15	1000	PASS
n77(3700-3980)	30	10	665000	24@0	DFT_BPSK	20.2	-2.6	17.6	57.54	1000	PASS

n77(3700-3980)	30	10	665000	12@6	DFT_BPSK	20.7	-2.6	18.1	64.57	1000	PASS
n77(3700-3980)	30	10	665000	1@1	DFT_BPSK	20.63	-2.6	18.03	63.53	1000	PASS
n77(3700-3980)	30	10	665000	1@22	DFT_BPSK	20.65	-2.6	18.05	63.83	1000	PASS
n77(3700-3980)	30	10	665000	24@0	DFT_QPSK	19.83	-2.6	17.23	52.84	1000	PASS
n77(3700-3980)	30	10	665000	12@6	DFT_QPSK	20.67	-2.6	18.07	64.12	1000	PASS
n77(3700-3980)	30	10	665000	1@1	DFT_QPSK	20.6	-2.6	18	63.1	1000	PASS
n77(3700-3980)	30	10	665000	1@22	DFT_QPSK	20.61	-2.6	18.01	63.24	1000	PASS
n77(3700-3980)	30	10	665000	24@0	DFT_QAM16	18.84	-2.6	16.24	42.07	1000	PASS
n77(3700-3980)	30	10	665000	12@6	DFT_QAM16	19.85	-2.6	17.25	53.09	1000	PASS
n77(3700-3980)	30	10	665000	1@1	DFT_QAM16	19.67	-2.6	17.07	50.93	1000	PASS
n77(3700-3980)	30	10	665000	1@22	DFT_QAM16	19.7	-2.6	17.1	51.29	1000	PASS
n77(3700-3980)	30	10	665000	24@0	DFT_QAM64	18.36	-2.6	15.76	37.67	1000	PASS
n77(3700-3980)	30	10	665000	12@6	DFT_QAM64	18.37	-2.6	15.77	37.76	1000	PASS
n77(3700-3980)	30	10	665000	1@1	DFT_QAM64	18.46	-2.6	15.86	38.55	1000	PASS
n77(3700-3980)	30	10	665000	1@22	DFT_QAM64	18.25	-2.6	15.65	36.73	1000	PASS
n77(3700-3980)	30	10	665000	24@0	DFT_QAM256	16.24	-2.6	13.64	23.12	1000	PASS
n77(3700-3980)	30	10	665000	12@6	DFT_QAM256	16.26	-2.6	13.66	23.23	1000	PASS
n77(3700-3980)	30	10	665000	1@1	DFT_QAM256	16.65	-2.6	14.05	25.41	1000	PASS
n77(3700-3980)	30	10	665000	1@22	DFT_QAM256	16.28	-2.6	13.68	23.33	1000	PASS
n77(3700-3980)	30	10	665000	24@0	CP_QPSK	17.79	-2.6	15.19	33.04	1000	PASS
n77(3700-3980)	30	10	665000	12@6	CP_QPSK	19.34	-2.6	16.74	47.21	1000	PASS
n77(3700-3980)	30	10	665000	1@1	CP_QPSK	19.24	-2.6	16.64	46.13	1000	PASS
n77(3700-3980)	30	10	665000	1@22	CP_QPSK	19.25	-2.6	16.65	46.24	1000	PASS
n77(3700-3980)	30	10	665000	24@0	CP_QAM16	17.85	-2.6	15.25	33.5	1000	PASS
n77(3700-3980)	30	10	665000	12@6	CP_QAM16	18.88	-2.6	16.28	42.46	1000	PASS
n77(3700-3980)	30	10	665000	1@1	CP_QAM16	18.66	-2.6	16.06	40.36	1000	PASS
n77(3700-3980)	30	10	665000	1@22	CP_QAM16	18.69	-2.6	16.09	40.64	1000	PASS
n77(3700-3980)	30	10	665000	24@0	CP_QAM64	17.35	-2.6	14.75	29.85	1000	PASS
n77(3700-3980)	30	10	665000	12@6	CP_QAM64	17.36	-2.6	14.76	29.92	1000	PASS
n77(3700-3980)	30	10	665000	1@1	CP_QAM64	17.31	-2.6	14.71	29.58	1000	PASS
n77(3700-3980)	30	10	665000	1@22	CP_QAM64	17.29	-2.6	14.69	29.44	1000	PASS
n77(3700-3980)	30	10	665000	24@0	CP_QAM256	14.26	-2.6	11.66	14.66	1000	PASS
n77(3700-3980)	30	10	665000	12@6	CP_QAM256	14.25	-2.6	11.65	14.62	1000	PASS
n77(3700-3980)	30	10	665000	1@1	CP_QAM256	14.25	-2.6	11.65	14.62	1000	PASS
n77(3700-3980)	30	10	665000	1@22	CP_QAM256	14.27	-2.6	11.67	14.69	1000	PASS
n77(3700-3980)	30	15	647168	36@0	DFT_BPSK	20.27	-2.6	17.67	58.48	1000	PASS
n77(3700-3980)	30	15	647168	18@9	DFT_BPSK	20.66	-2.6	18.06	63.97	1000	PASS
n77(3700-3980)	30	15	647168	1@1	DFT_BPSK	20.65	-2.6	18.05	63.83	1000	PASS
n77(3700-3980)	30	15	647168	1@36	DFT_BPSK	20.54	-2.6	17.94	62.23	1000	PASS
n77(3700-3980)	30	15	647168	36@0	DFT_QPSK	19.76	-2.6	17.16	52	1000	PASS
n77(3700-3980)	30	15	647168	18@9	DFT_QPSK	20.59	-2.6	17.99	62.95	1000	PASS

n77(3700-3980)	30	15	647168	1@1	DFT_QPSK	20.64	-2.6	18.04	63.68	1000	PASS
n77(3700-3980)	30	15	647168	1@36	DFT_QPSK	20.51	-2.6	17.91	61.8	1000	PASS
n77(3700-3980)	30	15	647168	36@0	DFT_QAM16	18.72	-2.6	16.12	40.93	1000	PASS
n77(3700-3980)	30	15	647168	18@9	DFT_QAM16	19.78	-2.6	17.18	52.24	1000	PASS
n77(3700-3980)	30	15	647168	1@1	DFT_QAM16	19.79	-2.6	17.19	52.36	1000	PASS
n77(3700-3980)	30	15	647168	1@36	DFT_QAM16	19.86	-2.6	17.26	53.21	1000	PASS
n77(3700-3980)	30	15	647168	36@0	DFT_QAM64	18.26	-2.6	15.66	36.81	1000	PASS
n77(3700-3980)	30	15	647168	18@9	DFT_QAM64	18.29	-2.6	15.69	37.07	1000	PASS
n77(3700-3980)	30	15	647168	1@1	DFT_QAM64	17.89	-2.6	15.29	33.81	1000	PASS
n77(3700-3980)	30	15	647168	1@36	DFT_QAM64	17.97	-2.6	15.37	34.43	1000	PASS
n77(3700-3980)	30	15	647168	36@0	DFT_QAM256	16.29	-2.6	13.69	23.39	1000	PASS
n77(3700-3980)	30	15	647168	18@9	DFT_QAM256	16.13	-2.6	13.53	22.54	1000	PASS
n77(3700-3980)	30	15	647168	1@1	DFT_QAM256	16.01	-2.6	13.41	21.93	1000	PASS
n77(3700-3980)	30	15	647168	1@36	DFT_QAM256	16.03	-2.6	13.43	22.03	1000	PASS
n77(3700-3980)	30	15	647168	38@0	CP_QPSK	17.78	-2.6	15.18	32.96	1000	PASS
n77(3700-3980)	30	15	647168	19@9	CP_QPSK	19.3	-2.6	16.7	46.77	1000	PASS
n77(3700-3980)	30	15	647168	1@1	CP_QPSK	19.16	-2.6	16.56	45.29	1000	PASS
n77(3700-3980)	30	15	647168	1@36	CP_QPSK	19.19	-2.6	16.59	45.6	1000	PASS
n77(3700-3980)	30	15	647168	38@0	CP_QAM16	17.77	-2.6	15.17	32.89	1000	PASS
n77(3700-3980)	30	15	647168	19@9	CP_QAM16	18.23	-2.6	15.63	36.56	1000	PASS
n77(3700-3980)	30	15	647168	1@1	CP_QAM16	18.61	-2.6	16.01	39.9	1000	PASS
n77(3700-3980)	30	15	647168	1@36	CP_QAM16	18.66	-2.6	16.06	40.36	1000	PASS
n77(3700-3980)	30	15	647168	38@0	CP_QAM64	17.2	-2.6	14.6	28.84	1000	PASS
n77(3700-3980)	30	15	647168	19@9	CP_QAM64	17.26	-2.6	14.66	29.24	1000	PASS
n77(3700-3980)	30	15	647168	1@1	CP_QAM64	17.2	-2.6	14.6	28.84	1000	PASS
n77(3700-3980)	30	15	647168	1@36	CP_QAM64	17.21	-2.6	14.61	28.91	1000	PASS
n77(3700-3980)	30	15	647168	38@0	CP_QAM256	14.21	-2.6	11.61	14.49	1000	PASS
n77(3700-3980)	30	15	647168	19@9	CP_QAM256	14.06	-2.6	11.46	14	1000	PASS
n77(3700-3980)	30	15	647168	1@1	CP_QAM256	14.15	-2.6	11.55	14.29	1000	PASS
n77(3700-3980)	30	15	647168	1@36	CP_QAM256	14.17	-2.6	11.57	14.35	1000	PASS
n77(3700-3980)	30	15	656000	36@0	DFT_BPSK	20.18	-2.6	17.58	57.28	1000	PASS
n77(3700-3980)	30	15	656000	18@9	DFT_BPSK	20.56	-2.6	17.96	62.52	1000	PASS
n77(3700-3980)	30	15	656000	1@1	DFT_BPSK	20.37	-2.6	17.77	59.84	1000	PASS
n77(3700-3980)	30	15	656000	1@36	DFT_BPSK	20.51	-2.6	17.91	61.8	1000	PASS
n77(3700-3980)	30	15	656000	36@0	DFT_QPSK	19.68	-2.6	17.08	51.05	1000	PASS
n77(3700-3980)	30	15	656000	18@9	DFT_QPSK	20.54	-2.6	17.94	62.23	1000	PASS
n77(3700-3980)	30	15	656000	1@1	DFT_QPSK	20.31	-2.6	17.71	59.02	1000	PASS
n77(3700-3980)	30	15	656000	1@36	DFT_QPSK	20.45	-2.6	17.85	60.95	1000	PASS
n77(3700-3980)	30	15	656000	36@0	DFT_QAM16	18.67	-2.6	16.07	40.46	1000	PASS
n77(3700-3980)	30	15	656000	18@9	DFT_QAM16	19.72	-2.6	17.12	51.52	1000	PASS
n77(3700-3980)	30	15	656000	1@1	DFT_QAM16	19.71	-2.6	17.11	51.4	1000	PASS

n77(3700-3980)	30	15	656000	1@36	DFT_QAM16	19.82	-2.6	17.22	52.72	1000	PASS
n77(3700-3980)	30	15	656000	36@0	DFT_QAM64	18.21	-2.6	15.61	36.39	1000	PASS
n77(3700-3980)	30	15	656000	18@9	DFT_QAM64	18.2	-2.6	15.6	36.31	1000	PASS
n77(3700-3980)	30	15	656000	1@1	DFT_QAM64	17.76	-2.6	15.16	32.81	1000	PASS
n77(3700-3980)	30	15	656000	1@36	DFT_QAM64	18.83	-2.6	16.23	41.98	1000	PASS
n77(3700-3980)	30	15	656000	36@0	DFT_QAM256	16.36	-2.6	13.76	23.77	1000	PASS
n77(3700-3980)	30	15	656000	18@9	DFT_QAM256	16.06	-2.6	13.46	22.18	1000	PASS
n77(3700-3980)	30	15	656000	1@1	DFT_QAM256	16.16	-2.6	13.56	22.7	1000	PASS
n77(3700-3980)	30	15	656000	1@36	DFT_QAM256	16.21	-2.6	13.61	22.96	1000	PASS
n77(3700-3980)	30	15	656000	38@0	CP_QPSK	17.66	-2.6	15.06	32.06	1000	PASS
n77(3700-3980)	30	15	656000	19@9	CP_QPSK	19.21	-2.6	16.61	45.81	1000	PASS
n77(3700-3980)	30	15	656000	1@1	CP_QPSK	19.02	-2.6	16.42	43.85	1000	PASS
n77(3700-3980)	30	15	656000	1@36	CP_QPSK	19.11	-2.6	16.51	44.77	1000	PASS
n77(3700-3980)	30	15	656000	38@0	CP_QAM16	17.66	-2.6	15.06	32.06	1000	PASS
n77(3700-3980)	30	15	656000	19@9	CP_QAM16	18.65	-2.6	16.05	40.27	1000	PASS
n77(3700-3980)	30	15	656000	1@1	CP_QAM16	18.62	-2.6	16.02	39.99	1000	PASS
n77(3700-3980)	30	15	656000	1@36	CP_QAM16	18.68	-2.6	16.08	40.55	1000	PASS
n77(3700-3980)	30	15	656000	38@0	CP_QAM64	17.1	-2.6	14.5	28.18	1000	PASS
n77(3700-3980)	30	15	656000	19@9	CP_QAM64	17.11	-2.6	14.51	28.25	1000	PASS
n77(3700-3980)	30	15	656000	1@1	CP_QAM64	16.93	-2.6	14.33	27.1	1000	PASS
n77(3700-3980)	30	15	656000	1@36	CP_QAM64	17.23	-2.6	14.63	29.04	1000	PASS
n77(3700-3980)	30	15	656000	38@0	CP_QAM256	14.15	-2.6	11.55	14.29	1000	PASS
n77(3700-3980)	30	15	656000	19@9	CP_QAM256	14.12	-2.6	11.52	14.19	1000	PASS
n77(3700-3980)	30	15	656000	1@1	CP_QAM256	14.04	-2.6	11.44	13.93	1000	PASS
n77(3700-3980)	30	15	656000	1@36	CP_QAM256	14.16	-2.6	11.56	14.32	1000	PASS
n77(3700-3980)	30	15	664832	36@0	DFT_BPSK	20.15	-2.6	17.55	56.89	1000	PASS
n77(3700-3980)	30	15	664832	18@9	DFT_BPSK	20.67	-2.6	18.07	64.12	1000	PASS
n77(3700-3980)	30	15	664832	1@1	DFT_BPSK	20.56	-2.6	17.96	62.52	1000	PASS
n77(3700-3980)	30	15	664832	1@36	DFT_BPSK	20.56	-2.6	17.96	62.52	1000	PASS
n77(3700-3980)	30	15	664832	36@0	DFT_QPSK	19.83	-2.6	17.23	52.84	1000	PASS
n77(3700-3980)	30	15	664832	18@9	DFT_QPSK	20.65	-2.6	18.05	63.83	1000	PASS
n77(3700-3980)	30	15	664832	1@1	DFT_QPSK	20.52	-2.6	17.92	61.94	1000	PASS
n77(3700-3980)	30	15	664832	1@36	DFT_QPSK	20.55	-2.6	17.95	62.37	1000	PASS
n77(3700-3980)	30	15	664832	36@0	DFT_QAM16	18.79	-2.6	16.19	41.59	1000	PASS
n77(3700-3980)	30	15	664832	18@9	DFT_QAM16	19.82	-2.6	17.22	52.72	1000	PASS
n77(3700-3980)	30	15	664832	1@1	DFT_QAM16	19.85	-2.6	17.25	53.09	1000	PASS
n77(3700-3980)	30	15	664832	1@36	DFT_QAM16	19.89	-2.6	17.29	53.58	1000	PASS
n77(3700-3980)	30	15	664832	36@0	DFT_QAM64	18.63	-2.6	16.03	40.09	1000	PASS
n77(3700-3980)	30	15	664832	18@9	DFT_QAM64	18.33	-2.6	15.73	37.41	1000	PASS
n77(3700-3980)	30	15	664832	1@1	DFT_QAM64	17.99	-2.6	15.39	34.59	1000	PASS
n77(3700-3980)	30	15	664832	1@36	DFT_QAM64	17.91	-2.6	15.31	33.96	1000	PASS

n77(3700-3980)	30	15	664832	36@0	DFT_QAM256	16.3	-2.6	13.7	23.44	1000	PASS
n77(3700-3980)	30	15	664832	18@9	DFT_QAM256	16.63	-2.6	14.03	25.29	1000	PASS
n77(3700-3980)	30	15	664832	1@1	DFT_QAM256	16.27	-2.6	13.67	23.28	1000	PASS
n77(3700-3980)	30	15	664832	1@36	DFT_QAM256	16.2	-2.6	13.6	22.91	1000	PASS
n77(3700-3980)	30	15	664832	38@0	CP_QPSK	17.78	-2.6	15.18	32.96	1000	PASS
n77(3700-3980)	30	15	664832	19@9	CP_QPSK	19.37	-2.6	16.77	47.53	1000	PASS
n77(3700-3980)	30	15	664832	1@1	CP_QPSK	19.18	-2.6	16.58	45.5	1000	PASS
n77(3700-3980)	30	15	664832	1@36	CP_QPSK	19.18	-2.6	16.58	45.5	1000	PASS
n77(3700-3980)	30	15	664832	38@0	CP_QAM16	17.81	-2.6	15.21	33.19	1000	PASS
n77(3700-3980)	30	15	664832	19@9	CP_QAM16	18.78	-2.6	16.18	41.5	1000	PASS
n77(3700-3980)	30	15	664832	1@1	CP_QAM16	18.78	-2.6	16.18	41.5	1000	PASS
n77(3700-3980)	30	15	664832	1@36	CP_QAM16	18.66	-2.6	16.06	40.36	1000	PASS
n77(3700-3980)	30	15	664832	38@0	CP_QAM64	17.22	-2.6	14.62	28.97	1000	PASS
n77(3700-3980)	30	15	664832	19@9	CP_QAM64	17.29	-2.6	14.69	29.44	1000	PASS
n77(3700-3980)	30	15	664832	1@1	CP_QAM64	17.21	-2.6	14.61	28.91	1000	PASS
n77(3700-3980)	30	15	664832	1@36	CP_QAM64	17.23	-2.6	14.63	29.04	1000	PASS
n77(3700-3980)	30	15	664832	38@0	CP_QAM256	14.2	-2.6	11.6	14.45	1000	PASS
n77(3700-3980)	30	15	664832	19@9	CP_QAM256	14.21	-2.6	11.61	14.49	1000	PASS
n77(3700-3980)	30	15	664832	1@1	CP_QAM256	14.2	-2.6	11.6	14.45	1000	PASS
n77(3700-3980)	30	15	664832	1@36	CP_QAM256	14.17	-2.6	11.57	14.35	1000	PASS
n77(3700-3980)	30	20	647334	50@0	DFT_BPSK	19.76	-2.6	17.16	52	1000	PASS
n77(3700-3980)	30	20	647334	25@12	DFT_BPSK	20.27	-2.6	17.67	58.48	1000	PASS
n77(3700-3980)	30	20	647334	1@1	DFT_BPSK	20.06	-2.6	17.46	55.72	1000	PASS
n77(3700-3980)	30	20	647334	1@49	DFT_BPSK	20.07	-2.6	17.47	55.85	1000	PASS
n77(3700-3980)	30	20	647334	50@0	DFT_QPSK	19.23	-2.6	16.63	46.03	1000	PASS
n77(3700-3980)	30	20	647334	25@12	DFT_QPSK	20.27	-2.6	17.67	58.48	1000	PASS
n77(3700-3980)	30	20	647334	1@1	DFT_QPSK	20	-2.6	17.4	54.95	1000	PASS
n77(3700-3980)	30	20	647334	1@49	DFT_QPSK	20.01	-2.6	17.41	55.08	1000	PASS
n77(3700-3980)	30	20	647334	50@0	DFT_QAM16	18.18	-2.6	15.58	36.14	1000	PASS
n77(3700-3980)	30	20	647334	25@12	DFT_QAM16	19.23	-2.6	16.63	46.03	1000	PASS
n77(3700-3980)	30	20	647334	1@1	DFT_QAM16	19.14	-2.6	16.54	45.08	1000	PASS
n77(3700-3980)	30	20	647334	1@49	DFT_QAM16	19.14	-2.6	16.54	45.08	1000	PASS
n77(3700-3980)	30	20	647334	50@0	DFT_QAM64	17.71	-2.6	15.11	32.43	1000	PASS
n77(3700-3980)	30	20	647334	25@12	DFT_QAM64	17.89	-2.6	15.29	33.81	1000	PASS
n77(3700-3980)	30	20	647334	1@1	DFT_QAM64	17.62	-2.6	15.02	31.77	1000	PASS
n77(3700-3980)	30	20	647334	1@49	DFT_QAM64	17.74	-2.6	15.14	32.66	1000	PASS
n77(3700-3980)	30	20	647334	50@0	DFT_QAM256	17.76	-2.6	15.16	32.81	1000	PASS
n77(3700-3980)	30	20	647334	25@12	DFT_QAM256	15.67	-2.6	13.07	20.28	1000	PASS
n77(3700-3980)	30	20	647334	1@1	DFT_QAM256	15.74	-2.6	13.14	20.61	1000	PASS
n77(3700-3980)	30	20	647334	1@49	DFT_QAM256	15.46	-2.6	12.86	19.32	1000	PASS
n77(3700-3980)	30	20	647334	51@0	CP_QPSK	18.93	-2.6	16.33	42.95	1000	PASS

n77(3700-3980)	30	20	647334	25@12	CP_QPSK	18.75	-2.6	16.15	41.21	1000	PASS
n77(3700-3980)	30	20	647334	1@1	CP_QPSK	18.64	-2.6	16.04	40.18	1000	PASS
n77(3700-3980)	30	20	647334	1@49	CP_QPSK	18.99	-2.6	16.39	43.55	1000	PASS
n77(3700-3980)	30	20	647334	51@0	CP_QAM16	17.19	-2.6	14.59	28.77	1000	PASS
n77(3700-3980)	30	20	647334	25@12	CP_QAM16	17.93	-2.6	15.33	34.12	1000	PASS
n77(3700-3980)	30	20	647334	1@1	CP_QAM16	18.02	-2.6	15.42	34.83	1000	PASS
n77(3700-3980)	30	20	647334	1@49	CP_QAM16	17.97	-2.6	15.37	34.43	1000	PASS
n77(3700-3980)	30	20	647334	51@0	CP_QAM64	16.69	-2.6	14.09	25.64	1000	PASS
n77(3700-3980)	30	20	647334	25@12	CP_QAM64	16.1	-2.6	13.5	22.39	1000	PASS
n77(3700-3980)	30	20	647334	1@1	CP_QAM64	16.48	-2.6	13.88	24.43	1000	PASS
n77(3700-3980)	30	20	647334	1@49	CP_QAM64	16.5	-2.6	13.9	24.55	1000	PASS
n77(3700-3980)	30	20	647334	51@0	CP_QAM256	13.88	-2.6	11.28	13.43	1000	PASS
n77(3700-3980)	30	20	647334	25@12	CP_QAM256	13.66	-2.6	11.06	12.76	1000	PASS
n77(3700-3980)	30	20	647334	1@1	CP_QAM256	13.68	-2.6	11.08	12.82	1000	PASS
n77(3700-3980)	30	20	647334	1@49	CP_QAM256	13.58	-2.6	10.98	12.53	1000	PASS
n77(3700-3980)	30	20	656000	50@0	DFT_BPSK	19.83	-2.6	17.23	52.84	1000	PASS
n77(3700-3980)	30	20	656000	25@12	DFT_BPSK	20.3	-2.6	17.7	58.88	1000	PASS
n77(3700-3980)	30	20	656000	1@1	DFT_BPSK	20.11	-2.6	17.51	56.36	1000	PASS
n77(3700-3980)	30	20	656000	1@49	DFT_BPSK	20.19	-2.6	17.59	57.41	1000	PASS
n77(3700-3980)	30	20	656000	50@0	DFT_QPSK	19.29	-2.6	16.69	46.67	1000	PASS
n77(3700-3980)	30	20	656000	25@12	DFT_QPSK	20.29	-2.6	17.69	58.75	1000	PASS
n77(3700-3980)	30	20	656000	1@1	DFT_QPSK	20.02	-2.6	17.42	55.21	1000	PASS
n77(3700-3980)	30	20	656000	1@49	DFT_QPSK	20.11	-2.6	17.51	56.36	1000	PASS
n77(3700-3980)	30	20	656000	50@0	DFT_QAM16	19.77	-2.6	17.17	52.12	1000	PASS
n77(3700-3980)	30	20	656000	25@12	DFT_QAM16	19.29	-2.6	16.69	46.67	1000	PASS
n77(3700-3980)	30	20	656000	1@1	DFT_QAM16	19.15	-2.6	16.55	45.19	1000	PASS
n77(3700-3980)	30	20	656000	1@49	DFT_QAM16	19.24	-2.6	16.64	46.13	1000	PASS
n77(3700-3980)	30	20	656000	50@0	DFT_QAM64	17.17	-2.6	14.57	28.64	1000	PASS
n77(3700-3980)	30	20	656000	25@12	DFT_QAM64	17.77	-2.6	15.17	32.89	1000	PASS
n77(3700-3980)	30	20	656000	1@1	DFT_QAM64	17.04	-2.6	14.44	27.8	1000	PASS
n77(3700-3980)	30	20	656000	1@49	DFT_QAM64	17.7	-2.6	15.1	32.36	1000	PASS
n77(3700-3980)	30	20	656000	50@0	DFT_QAM256	15.79	-2.6	13.19	20.84	1000	PASS
n77(3700-3980)	30	20	656000	25@12	DFT_QAM256	15.81	-2.6	13.21	20.94	1000	PASS
n77(3700-3980)	30	20	656000	1@1	DFT_QAM256	15.5	-2.6	12.9	19.5	1000	PASS
n77(3700-3980)	30	20	656000	1@49	DFT_QAM256	15.03	-2.6	12.43	17.5	1000	PASS
n77(3700-3980)	30	20	656000	51@0	CP_QPSK	17.26	-2.6	14.66	29.24	1000	PASS
n77(3700-3980)	30	20	656000	25@12	CP_QPSK	17.85	-2.6	15.25	33.5	1000	PASS
n77(3700-3980)	30	20	656000	1@1	CP_QPSK	18.67	-2.6	16.07	40.46	1000	PASS
n77(3700-3980)	30	20	656000	1@49	CP_QPSK	17.23	-2.6	14.63	29.04	1000	PASS
n77(3700-3980)	30	20	656000	51@0	CP_QAM16	17.26	-2.6	14.66	29.24	1000	PASS
n77(3700-3980)	30	20	656000	25@12	CP_QAM16	18.27	-2.6	15.67	36.9	1000	PASS

n77(3700-3980)	30	20	656000	1@1	CP_QAM16	17.96	-2.6	15.36	34.36	1000	PASS
n77(3700-3980)	30	20	656000	1@49	CP_QAM16	18.11	-2.6	15.51	35.56	1000	PASS
n77(3700-3980)	30	20	656000	51@0	CP_QAM64	16.96	-2.6	14.36	27.29	1000	PASS
n77(3700-3980)	30	20	656000	25@12	CP_QAM64	16.68	-2.6	14.08	25.59	1000	PASS
n77(3700-3980)	30	20	656000	1@1	CP_QAM64	16.51	-2.6	13.91	24.6	1000	PASS
n77(3700-3980)	30	20	656000	1@49	CP_QAM64	16.78	-2.6	14.18	26.18	1000	PASS
n77(3700-3980)	30	20	656000	51@0	CP_QAM256	13.74	-2.6	11.14	13	1000	PASS
n77(3700-3980)	30	20	656000	25@12	CP_QAM256	13.15	-2.6	10.55	11.35	1000	PASS
n77(3700-3980)	30	20	656000	1@1	CP_QAM256	13.65	-2.6	11.05	12.74	1000	PASS
n77(3700-3980)	30	20	656000	1@49	CP_QAM256	13.96	-2.6	11.36	13.68	1000	PASS
n77(3700-3980)	30	20	664666	50@0	DFT_BPSK	19.86	-2.6	17.26	53.21	1000	PASS
n77(3700-3980)	30	20	664666	25@12	DFT_BPSK	20.17	-2.6	17.57	57.15	1000	PASS
n77(3700-3980)	30	20	664666	1@1	DFT_BPSK	20.2	-2.6	17.6	57.54	1000	PASS
n77(3700-3980)	30	20	664666	1@49	DFT_BPSK	20.05	-2.6	17.45	55.59	1000	PASS
n77(3700-3980)	30	20	664666	50@0	DFT_QPSK	19.34	-2.6	16.74	47.21	1000	PASS
n77(3700-3980)	30	20	664666	25@12	DFT_QPSK	20.21	-2.6	17.61	57.68	1000	PASS
n77(3700-3980)	30	20	664666	1@1	DFT_QPSK	20.1	-2.6	17.5	56.23	1000	PASS
n77(3700-3980)	30	20	664666	1@49	DFT_QPSK	19.98	-2.6	17.38	54.7	1000	PASS
n77(3700-3980)	30	20	664666	50@0	DFT_QAM16	18.31	-2.6	15.71	37.24	1000	PASS
n77(3700-3980)	30	20	664666	25@12	DFT_QAM16	19.37	-2.6	16.77	47.53	1000	PASS
n77(3700-3980)	30	20	664666	1@1	DFT_QAM16	19.2	-2.6	16.6	45.71	1000	PASS
n77(3700-3980)	30	20	664666	1@49	DFT_QAM16	19.26	-2.6	16.66	46.34	1000	PASS
n77(3700-3980)	30	20	664666	50@0	DFT_QAM64	17.73	-2.6	15.13	32.58	1000	PASS
n77(3700-3980)	30	20	664666	25@12	DFT_QAM64	17.85	-2.6	15.25	33.5	1000	PASS
n77(3700-3980)	30	20	664666	1@1	DFT_QAM64	17.51	-2.6	14.91	30.97	1000	PASS
n77(3700-3980)	30	20	664666	1@49	DFT_QAM64	17.72	-2.6	15.12	32.51	1000	PASS
n77(3700-3980)	30	20	664666	50@0	DFT_QAM256	15.72	-2.6	13.12	20.51	1000	PASS
n77(3700-3980)	30	20	664666	25@12	DFT_QAM256	15.78	-2.6	13.18	20.8	1000	PASS
n77(3700-3980)	30	20	664666	1@1	DFT_QAM256	15.07	-2.6	12.47	17.66	1000	PASS
n77(3700-3980)	30	20	664666	1@49	DFT_QAM256	15.63	-2.6	13.03	20.09	1000	PASS
n77(3700-3980)	30	20	664666	51@0	CP_QPSK	17.3	-2.6	14.7	29.51	1000	PASS
n77(3700-3980)	30	20	664666	25@12	CP_QPSK	17.5	-2.6	14.9	30.9	1000	PASS
n77(3700-3980)	30	20	664666	1@1	CP_QPSK	18.74	-2.6	16.14	41.11	1000	PASS
n77(3700-3980)	30	20	664666	1@49	CP_QPSK	17.88	-2.6	15.28	33.73	1000	PASS
n77(3700-3980)	30	20	664666	51@0	CP_QAM16	17.32	-2.6	14.72	29.65	1000	PASS
n77(3700-3980)	30	20	664666	25@12	CP_QAM16	17.95	-2.6	15.35	34.28	1000	PASS
n77(3700-3980)	30	20	664666	1@1	CP_QAM16	18.13	-2.6	15.53	35.73	1000	PASS
n77(3700-3980)	30	20	664666	1@49	CP_QAM16	18.15	-2.6	15.55	35.89	1000	PASS
n77(3700-3980)	30	20	664666	51@0	CP_QAM64	16.64	-2.6	14.04	25.35	1000	PASS
n77(3700-3980)	30	20	664666	25@12	CP_QAM64	16.8	-2.6	14.2	26.3	1000	PASS
n77(3700-3980)	30	20	664666	1@1	CP_QAM64	16.51	-2.6	13.91	24.6	1000	PASS

n77(3700-3980)	30	20	664666	1@49	CP_QAM64	16.57	-2.6	13.97	24.95	1000	PASS
n77(3700-3980)	30	20	664666	51@0	CP_QAM256	13.58	-2.6	10.98	12.53	1000	PASS
n77(3700-3980)	30	20	664666	25@12	CP_QAM256	13.8	-2.6	11.2	13.18	1000	PASS
n77(3700-3980)	30	20	664666	1@1	CP_QAM256	13.74	-2.6	11.14	13	1000	PASS
n77(3700-3980)	30	20	664666	1@49	CP_QAM256	13.72	-2.6	11.12	12.94	1000	PASS
n77(3700-3980)	30	40	648000	100@0	DFT_BPSK	20.75	-2.6	18.15	65.31	1000	PASS
n77(3700-3980)	30	40	648000	50@25	DFT_BPSK	21.21	-2.6	18.61	72.61	1000	PASS
n77(3700-3980)	30	40	648000	1@1	DFT_BPSK	20.59	-2.6	17.99	62.95	1000	PASS
n77(3700-3980)	30	40	648000	1@104	DFT_BPSK	20.72	-2.6	18.12	64.86	1000	PASS
n77(3700-3980)	30	40	648000	100@0	DFT_QPSK	20.25	-2.6	17.65	58.21	1000	PASS
n77(3700-3980)	30	40	648000	50@25	DFT_QPSK	21.21	-2.6	18.61	72.61	1000	PASS
n77(3700-3980)	30	40	648000	1@1	DFT_QPSK	20.53	-2.6	17.93	62.09	1000	PASS
n77(3700-3980)	30	40	648000	1@104	DFT_QPSK	20.61	-2.6	18.01	63.24	1000	PASS
n77(3700-3980)	30	40	648000	100@0	DFT_QAM16	19.22	-2.6	16.62	45.92	1000	PASS
n77(3700-3980)	30	40	648000	50@25	DFT_QAM16	20.37	-2.6	17.77	59.84	1000	PASS
n77(3700-3980)	30	40	648000	1@1	DFT_QAM16	19.86	-2.6	17.26	53.21	1000	PASS
n77(3700-3980)	30	40	648000	1@104	DFT_QAM16	19.96	-2.6	17.36	54.45	1000	PASS
n77(3700-3980)	30	40	648000	100@0	DFT_QAM64	18.49	-2.6	15.89	38.82	1000	PASS
n77(3700-3980)	30	40	648000	50@25	DFT_QAM64	18.87	-2.6	16.27	42.36	1000	PASS
n77(3700-3980)	30	40	648000	1@1	DFT_QAM64	18.79	-2.6	16.19	41.59	1000	PASS
n77(3700-3980)	30	40	648000	1@104	DFT_QAM64	18.48	-2.6	15.88	38.73	1000	PASS
n77(3700-3980)	30	40	648000	100@0	DFT_QAM256	16.69	-2.6	14.09	25.64	1000	PASS
n77(3700-3980)	30	40	648000	50@25	DFT_QAM256	16.19	-2.6	13.59	22.86	1000	PASS
n77(3700-3980)	30	40	648000	1@1	DFT_QAM256	16.28	-2.6	13.68	23.33	1000	PASS
n77(3700-3980)	30	40	648000	1@104	DFT_QAM256	16.67	-2.6	14.07	25.53	1000	PASS
n77(3700-3980)	30	40	648000	106@0	CP_QPSK	19.79	-2.6	17.19	52.36	1000	PASS
n77(3700-3980)	30	40	648000	53@26	CP_QPSK	19.85	-2.6	17.25	53.09	1000	PASS
n77(3700-3980)	30	40	648000	1@1	CP_QPSK	19.31	-2.6	16.71	46.88	1000	PASS
n77(3700-3980)	30	40	648000	1@104	CP_QPSK	19.47	-2.6	16.87	48.64	1000	PASS
n77(3700-3980)	30	40	648000	106@0	CP_QAM16	18.21	-2.6	15.61	36.39	1000	PASS
n77(3700-3980)	30	40	648000	53@26	CP_QAM16	19.35	-2.6	16.75	47.32	1000	PASS
n77(3700-3980)	30	40	648000	1@1	CP_QAM16	18.66	-2.6	16.06	40.36	1000	PASS
n77(3700-3980)	30	40	648000	1@104	CP_QAM16	18.91	-2.6	16.31	42.76	1000	PASS
n77(3700-3980)	30	40	648000	106@0	CP_QAM64	17.18	-2.6	14.58	28.71	1000	PASS
n77(3700-3980)	30	40	648000	53@26	CP_QAM64	17.87	-2.6	15.27	33.65	1000	PASS
n77(3700-3980)	30	40	648000	1@1	CP_QAM64	17.17	-2.6	14.57	28.64	1000	PASS
n77(3700-3980)	30	40	648000	1@104	CP_QAM64	17.38	-2.6	14.78	30.06	1000	PASS
n77(3700-3980)	30	40	648000	106@0	CP_QAM256	14.69	-2.6	12.09	16.18	1000	PASS
n77(3700-3980)	30	40	648000	53@26	CP_QAM256	14.84	-2.6	12.24	16.75	1000	PASS
n77(3700-3980)	30	40	648000	1@1	CP_QAM256	14.73	-2.6	12.13	16.33	1000	PASS
n77(3700-3980)	30	40	648000	1@104	CP_QAM256	14.45	-2.6	11.85	15.31	1000	PASS

n77(3700-3980)	30	40	656000	100@0	DFT_BPSK	20.58	-2.6	17.98	62.81	1000	PASS
n77(3700-3980)	30	40	656000	50@25	DFT_BPSK	21.21	-2.6	18.61	72.61	1000	PASS
n77(3700-3980)	30	40	656000	1@1	DFT_BPSK	20.54	-2.6	17.94	62.23	1000	PASS
n77(3700-3980)	30	40	656000	1@104	DFT_BPSK	20.76	-2.6	18.16	65.46	1000	PASS
n77(3700-3980)	30	40	656000	100@0	DFT_QPSK	20.22	-2.6	17.62	57.81	1000	PASS
n77(3700-3980)	30	40	656000	50@25	DFT_QPSK	21.18	-2.6	18.58	72.11	1000	PASS
n77(3700-3980)	30	40	656000	1@1	DFT_QPSK	20.46	-2.6	17.86	61.09	1000	PASS
n77(3700-3980)	30	40	656000	1@104	DFT_QPSK	20.64	-2.6	18.04	63.68	1000	PASS
n77(3700-3980)	30	40	656000	100@0	DFT_QAM16	19.14	-2.6	16.54	45.08	1000	PASS
n77(3700-3980)	30	40	656000	50@25	DFT_QAM16	20.32	-2.6	17.72	59.16	1000	PASS
n77(3700-3980)	30	40	656000	1@1	DFT_QAM16	19.77	-2.6	17.17	52.12	1000	PASS
n77(3700-3980)	30	40	656000	1@104	DFT_QAM16	19.94	-2.6	17.34	54.2	1000	PASS
n77(3700-3980)	30	40	656000	100@0	DFT_QAM64	18.66	-2.6	16.06	40.36	1000	PASS
n77(3700-3980)	30	40	656000	50@25	DFT_QAM64	18.79	-2.6	16.19	41.59	1000	PASS
n77(3700-3980)	30	40	656000	1@1	DFT_QAM64	18.61	-2.6	16.01	39.9	1000	PASS
n77(3700-3980)	30	40	656000	1@104	DFT_QAM64	18.44	-2.6	15.84	38.37	1000	PASS
n77(3700-3980)	30	40	656000	100@0	DFT_QAM256	16.63	-2.6	14.03	25.29	1000	PASS
n77(3700-3980)	30	40	656000	50@25	DFT_QAM256	16.13	-2.6	13.53	22.54	1000	PASS
n77(3700-3980)	30	40	656000	1@1	DFT_QAM256	16.17	-2.6	13.57	22.75	1000	PASS
n77(3700-3980)	30	40	656000	1@104	DFT_QAM256	16.6	-2.6	14	25.12	1000	PASS
n77(3700-3980)	30	40	656000	106@0	CP_QPSK	19.67	-2.6	17.07	50.93	1000	PASS
n77(3700-3980)	30	40	656000	53@26	CP_QPSK	19.78	-2.6	17.18	52.24	1000	PASS
n77(3700-3980)	30	40	656000	1@1	CP_QPSK	19.27	-2.6	16.67	46.45	1000	PASS
n77(3700-3980)	30	40	656000	1@104	CP_QPSK	19.48	-2.6	16.88	48.75	1000	PASS
n77(3700-3980)	30	40	656000	106@0	CP_QAM16	18.17	-2.6	15.57	36.06	1000	PASS
n77(3700-3980)	30	40	656000	53@26	CP_QAM16	19.31	-2.6	16.71	46.88	1000	PASS
n77(3700-3980)	30	40	656000	1@1	CP_QAM16	19.89	-2.6	17.29	53.58	1000	PASS
n77(3700-3980)	30	40	656000	1@104	CP_QAM16	18.91	-2.6	16.31	42.76	1000	PASS
n77(3700-3980)	30	40	656000	106@0	CP_QAM64	17.67	-2.6	15.07	32.14	1000	PASS
n77(3700-3980)	30	40	656000	53@26	CP_QAM64	17.82	-2.6	15.22	33.27	1000	PASS
n77(3700-3980)	30	40	656000	1@1	CP_QAM64	17.17	-2.6	14.57	28.64	1000	PASS
n77(3700-3980)	30	40	656000	1@104	CP_QAM64	17.13	-2.6	14.53	28.38	1000	PASS
n77(3700-3980)	30	40	656000	106@0	CP_QAM256	14.62	-2.6	12.02	15.92	1000	PASS
n77(3700-3980)	30	40	656000	53@26	CP_QAM256	14.74	-2.6	12.14	16.37	1000	PASS
n77(3700-3980)	30	40	656000	1@1	CP_QAM256	14.19	-2.6	11.59	14.42	1000	PASS
n77(3700-3980)	30	40	656000	1@104	CP_QAM256	14.49	-2.6	11.89	15.45	1000	PASS
n77(3700-3980)	30	40	664000	100@0	DFT_BPSK	20.6	-2.6	18	63.1	1000	PASS
n77(3700-3980)	30	40	664000	50@25	DFT_BPSK	21.24	-2.6	18.64	73.11	1000	PASS
n77(3700-3980)	30	40	664000	1@1	DFT_BPSK	20.62	-2.6	18.02	63.39	1000	PASS
n77(3700-3980)	30	40	664000	1@104	DFT_BPSK	20.74	-2.6	18.14	65.16	1000	PASS
n77(3700-3980)	30	40	664000	100@0	DFT_QPSK	20.23	-2.6	17.63	57.94	1000	PASS

n77(3700-3980)	30	40	664000	50@25	DFT_QPSK	21.23	-2.6	18.63	72.95	1000	PASS
n77(3700-3980)	30	40	664000	1@1	DFT_QPSK	20.46	-2.6	17.86	61.09	1000	PASS
n77(3700-3980)	30	40	664000	1@104	DFT_QPSK	20.62	-2.6	18.02	63.39	1000	PASS
n77(3700-3980)	30	40	664000	100@0	DFT_QAM16	19.27	-2.6	16.67	46.45	1000	PASS
n77(3700-3980)	30	40	664000	50@25	DFT_QAM16	20.37	-2.6	17.77	59.84	1000	PASS
n77(3700-3980)	30	40	664000	1@1	DFT_QAM16	19.79	-2.6	17.19	52.36	1000	PASS
n77(3700-3980)	30	40	664000	1@104	DFT_QAM16	19.71	-2.6	17.11	51.4	1000	PASS
n77(3700-3980)	30	40	664000	100@0	DFT_QAM64	18.67	-2.6	16.07	40.46	1000	PASS
n77(3700-3980)	30	40	664000	50@25	DFT_QAM64	18.82	-2.6	16.22	41.88	1000	PASS
n77(3700-3980)	30	40	664000	1@1	DFT_QAM64	18.97	-2.6	16.37	43.35	1000	PASS
n77(3700-3980)	30	40	664000	1@104	DFT_QAM64	18.43	-2.6	15.83	38.28	1000	PASS
n77(3700-3980)	30	40	664000	100@0	DFT_QAM256	16.7	-2.6	14.1	25.7	1000	PASS
n77(3700-3980)	30	40	664000	50@25	DFT_QAM256	16.77	-2.6	14.17	26.12	1000	PASS
n77(3700-3980)	30	40	664000	1@1	DFT_QAM256	16.2	-2.6	13.6	22.91	1000	PASS
n77(3700-3980)	30	40	664000	1@104	DFT_QAM256	16.52	-2.6	13.92	24.66	1000	PASS
n77(3700-3980)	30	40	664000	106@0	CP_QPSK	18.19	-2.6	15.59	36.22	1000	PASS
n77(3700-3980)	30	40	664000	53@26	CP_QPSK	19.85	-2.6	17.25	53.09	1000	PASS
n77(3700-3980)	30	40	664000	1@1	CP_QPSK	19.31	-2.6	16.71	46.88	1000	PASS
n77(3700-3980)	30	40	664000	1@104	CP_QPSK	19.49	-2.6	16.89	48.87	1000	PASS
n77(3700-3980)	30	40	664000	106@0	CP_QAM16	19.77	-2.6	17.17	52.12	1000	PASS
n77(3700-3980)	30	40	664000	53@26	CP_QAM16	19.39	-2.6	16.79	47.75	1000	PASS
n77(3700-3980)	30	40	664000	1@1	CP_QAM16	19.95	-2.6	17.35	54.33	1000	PASS
n77(3700-3980)	30	40	664000	1@104	CP_QAM16	18.88	-2.6	16.28	42.46	1000	PASS
n77(3700-3980)	30	40	664000	106@0	CP_QAM64	18.78	-2.6	16.18	41.5	1000	PASS
n77(3700-3980)	30	40	664000	53@26	CP_QAM64	17.87	-2.6	15.27	33.65	1000	PASS
n77(3700-3980)	30	40	664000	1@1	CP_QAM64	18.46	-2.6	15.86	38.55	1000	PASS
n77(3700-3980)	30	40	664000	1@104	CP_QAM64	17.38	-2.6	14.78	30.06	1000	PASS
n77(3700-3980)	30	40	664000	106@0	CP_QAM256	14.71	-2.6	12.11	16.26	1000	PASS
n77(3700-3980)	30	40	664000	53@26	CP_QAM256	14.81	-2.6	12.21	16.63	1000	PASS
n77(3700-3980)	30	40	664000	1@1	CP_QAM256	14.23	-2.6	11.63	14.55	1000	PASS
n77(3700-3980)	30	40	664000	1@104	CP_QAM256	14.79	-2.6	12.19	16.56	1000	PASS
n77(3700-3980)	30	50	648334	128@0	DFT_BPSK	20.91	-2.6	18.31	67.76	1000	PASS
n77(3700-3980)	30	50	648334	64@32	DFT_BPSK	21.24	-2.6	18.64	73.11	1000	PASS
n77(3700-3980)	30	50	648334	1@1	DFT_BPSK	20.95	-2.6	18.35	68.39	1000	PASS
n77(3700-3980)	30	50	648334	1@131	DFT_BPSK	21.12	-2.6	18.52	71.12	1000	PASS
n77(3700-3980)	30	50	648334	128@0	DFT_QPSK	20.39	-2.6	17.79	60.12	1000	PASS
n77(3700-3980)	30	50	648334	64@32	DFT_QPSK	21.23	-2.6	18.63	72.95	1000	PASS
n77(3700-3980)	30	50	648334	1@1	DFT_QPSK	20.84	-2.6	18.24	66.68	1000	PASS
n77(3700-3980)	30	50	648334	1@131	DFT_QPSK	21.05	-2.6	18.45	69.98	1000	PASS
n77(3700-3980)	30	50	648334	128@0	DFT_QAM16	19.37	-2.6	16.77	47.53	1000	PASS
n77(3700-3980)	30	50	648334	64@32	DFT_QAM16	20.43	-2.6	17.83	60.67	1000	PASS

n77(3700-3980)	30	50	648334	1@1	DFT_QAM16	20.19	-2.6	17.59	57.41	1000	PASS
n77(3700-3980)	30	50	648334	1@131	DFT_QAM16	20.4	-2.6	17.8	60.26	1000	PASS
n77(3700-3980)	30	50	648334	128@0	DFT_QAM64	18.38	-2.6	15.78	37.84	1000	PASS
n77(3700-3980)	30	50	648334	64@32	DFT_QAM64	18.89	-2.6	16.29	42.56	1000	PASS
n77(3700-3980)	30	50	648334	1@1	DFT_QAM64	18.36	-2.6	15.76	37.67	1000	PASS
n77(3700-3980)	30	50	648334	1@131	DFT_QAM64	18.88	-2.6	16.28	42.46	1000	PASS
n77(3700-3980)	30	50	648334	128@0	DFT_QAM256	16.65	-2.6	14.05	25.41	1000	PASS
n77(3700-3980)	30	50	648334	64@32	DFT_QAM256	16.85	-2.6	14.25	26.61	1000	PASS
n77(3700-3980)	30	50	648334	1@1	DFT_QAM256	16.23	-2.6	13.63	23.07	1000	PASS
n77(3700-3980)	30	50	648334	1@131	DFT_QAM256	16.78	-2.6	14.18	26.18	1000	PASS
n77(3700-3980)	30	50	648334	133@0	CP_QPSK	18.38	-2.6	15.78	37.84	1000	PASS
n77(3700-3980)	30	50	648334	67@33	CP_QPSK	19.88	-2.6	17.28	53.46	1000	PASS
n77(3700-3980)	30	50	648334	1@1	CP_QPSK	19.69	-2.6	17.09	51.17	1000	PASS
n77(3700-3980)	30	50	648334	1@131	CP_QPSK	19.91	-2.6	17.31	53.83	1000	PASS
n77(3700-3980)	30	50	648334	133@0	CP_QAM16	19.36	-2.6	16.76	47.42	1000	PASS
n77(3700-3980)	30	50	648334	67@33	CP_QAM16	19.42	-2.6	16.82	48.08	1000	PASS
n77(3700-3980)	30	50	648334	1@1	CP_QAM16	19.11	-2.6	16.51	44.77	1000	PASS
n77(3700-3980)	30	50	648334	1@131	CP_QAM16	19.31	-2.6	16.71	46.88	1000	PASS
n77(3700-3980)	30	50	648334	133@0	CP_QAM64	17.44	-2.6	14.84	30.48	1000	PASS
n77(3700-3980)	30	50	648334	67@33	CP_QAM64	17.86	-2.6	15.26	33.57	1000	PASS
n77(3700-3980)	30	50	648334	1@1	CP_QAM64	17.53	-2.6	14.93	31.12	1000	PASS
n77(3700-3980)	30	50	648334	1@131	CP_QAM64	17.77	-2.6	15.17	32.89	1000	PASS
n77(3700-3980)	30	50	648334	133@0	CP_QAM256	14.85	-2.6	12.25	16.79	1000	PASS
n77(3700-3980)	30	50	648334	67@33	CP_QAM256	14.25	-2.6	11.65	14.62	1000	PASS
n77(3700-3980)	30	50	648334	1@1	CP_QAM256	14.67	-2.6	12.07	16.11	1000	PASS
n77(3700-3980)	30	50	648334	1@131	CP_QAM256	14.26	-2.6	11.66	14.66	1000	PASS
n77(3700-3980)	30	50	656000	128@0	DFT_BPSK	20.63	-2.6	18.03	63.53	1000	PASS
n77(3700-3980)	30	50	656000	64@32	DFT_BPSK	21.21	-2.6	18.61	72.61	1000	PASS
n77(3700-3980)	30	50	656000	1@1	DFT_BPSK	20.85	-2.6	18.25	66.83	1000	PASS
n77(3700-3980)	30	50	656000	1@131	DFT_BPSK	21.04	-2.6	18.44	69.82	1000	PASS
n77(3700-3980)	30	50	656000	128@0	DFT_QPSK	20.32	-2.6	17.72	59.16	1000	PASS
n77(3700-3980)	30	50	656000	64@32	DFT_QPSK	21.18	-2.6	18.58	72.11	1000	PASS
n77(3700-3980)	30	50	656000	1@1	DFT_QPSK	20.73	-2.6	18.13	65.01	1000	PASS
n77(3700-3980)	30	50	656000	1@131	DFT_QPSK	20.98	-2.6	18.38	68.87	1000	PASS
n77(3700-3980)	30	50	656000	128@0	DFT_QAM16	19.26	-2.6	16.66	46.34	1000	PASS
n77(3700-3980)	30	50	656000	64@32	DFT_QAM16	20.33	-2.6	17.73	59.29	1000	PASS
n77(3700-3980)	30	50	656000	1@1	DFT_QAM16	20.1	-2.6	17.5	56.23	1000	PASS
n77(3700-3980)	30	50	656000	1@131	DFT_QAM16	20.31	-2.6	17.71	59.02	1000	PASS
n77(3700-3980)	30	50	656000	128@0	DFT_QAM64	18.94	-2.6	16.34	43.05	1000	PASS
n77(3700-3980)	30	50	656000	64@32	DFT_QAM64	18.8	-2.6	16.2	41.69	1000	PASS
n77(3700-3980)	30	50	656000	1@1	DFT_QAM64	18.28	-2.6	15.68	36.98	1000	PASS

n77(3700-3980)	30	50	656000	1@131	DFT_QAM64	18.78	-2.6	16.18	41.5	1000	PASS
n77(3700-3980)	30	50	656000	128@0	DFT_QAM256	16.06	-2.6	13.46	22.18	1000	PASS
n77(3700-3980)	30	50	656000	64@32	DFT_QAM256	16.8	-2.6	14.2	26.3	1000	PASS
n77(3700-3980)	30	50	656000	1@1	DFT_QAM256	16.19	-2.6	13.59	22.86	1000	PASS
n77(3700-3980)	30	50	656000	1@131	DFT_QAM256	16.7	-2.6	14.1	25.7	1000	PASS
n77(3700-3980)	30	50	656000	133@0	CP_QPSK	18.28	-2.6	15.68	36.98	1000	PASS
n77(3700-3980)	30	50	656000	67@33	CP_QPSK	19.8	-2.6	17.2	52.48	1000	PASS
n77(3700-3980)	30	50	656000	1@1	CP_QPSK	19.63	-2.6	17.03	50.47	1000	PASS
n77(3700-3980)	30	50	656000	1@131	CP_QPSK	19.82	-2.6	17.22	52.72	1000	PASS
n77(3700-3980)	30	50	656000	133@0	CP_QAM16	19.29	-2.6	16.69	46.67	1000	PASS
n77(3700-3980)	30	50	656000	67@33	CP_QAM16	19.31	-2.6	16.71	46.88	1000	PASS
n77(3700-3980)	30	50	656000	1@1	CP_QAM16	19.04	-2.6	16.44	44.06	1000	PASS
n77(3700-3980)	30	50	656000	1@131	CP_QAM16	19.22	-2.6	16.62	45.92	1000	PASS
n77(3700-3980)	30	50	656000	133@0	CP_QAM64	17.22	-2.6	14.62	28.97	1000	PASS
n77(3700-3980)	30	50	656000	67@33	CP_QAM64	17.81	-2.6	15.21	33.19	1000	PASS
n77(3700-3980)	30	50	656000	1@1	CP_QAM64	17.28	-2.6	14.68	29.38	1000	PASS
n77(3700-3980)	30	50	656000	1@131	CP_QAM64	17.72	-2.6	15.12	32.51	1000	PASS
n77(3700-3980)	30	50	656000	133@0	CP_QAM256	14.18	-2.6	11.58	14.39	1000	PASS
n77(3700-3980)	30	50	656000	67@33	CP_QAM256	14.8	-2.6	12.2	16.6	1000	PASS
n77(3700-3980)	30	50	656000	1@1	CP_QAM256	14.34	-2.6	11.74	14.93	1000	PASS
n77(3700-3980)	30	50	656000	1@131	CP_QAM256	14.72	-2.6	12.12	16.29	1000	PASS
n77(3700-3980)	30	50	663666	128@0	DFT_BPSK	20.48	-2.6	17.88	61.38	1000	PASS
n77(3700-3980)	30	50	663666	64@32	DFT_BPSK	21.07	-2.6	18.47	70.31	1000	PASS
n77(3700-3980)	30	50	663666	1@1	DFT_BPSK	20.67	-2.6	18.07	64.12	1000	PASS
n77(3700-3980)	30	50	663666	1@131	DFT_BPSK	20.84	-2.6	18.24	66.68	1000	PASS
n77(3700-3980)	30	50	663666	128@0	DFT_QPSK	20.11	-2.6	17.51	56.36	1000	PASS
n77(3700-3980)	30	50	663666	64@32	DFT_QPSK	21.02	-2.6	18.42	69.5	1000	PASS
n77(3700-3980)	30	50	663666	1@1	DFT_QPSK	20.55	-2.6	17.95	62.37	1000	PASS
n77(3700-3980)	30	50	663666	1@131	DFT_QPSK	20.77	-2.6	18.17	65.61	1000	PASS
n77(3700-3980)	30	50	663666	128@0	DFT_QAM16	19.11	-2.6	16.51	44.77	1000	PASS
n77(3700-3980)	30	50	663666	64@32	DFT_QAM16	20.19	-2.6	17.59	57.41	1000	PASS
n77(3700-3980)	30	50	663666	1@1	DFT_QAM16	19.95	-2.6	17.35	54.33	1000	PASS
n77(3700-3980)	30	50	663666	1@131	DFT_QAM16	19.92	-2.6	17.32	53.95	1000	PASS
n77(3700-3980)	30	50	663666	128@0	DFT_QAM64	18.05	-2.6	15.45	35.08	1000	PASS
n77(3700-3980)	30	50	663666	64@32	DFT_QAM64	18.67	-2.6	16.07	40.46	1000	PASS
n77(3700-3980)	30	50	663666	1@1	DFT_QAM64	18.89	-2.6	16.29	42.56	1000	PASS
n77(3700-3980)	30	50	663666	1@131	DFT_QAM64	18.62	-2.6	16.02	39.99	1000	PASS
n77(3700-3980)	30	50	663666	128@0	DFT_QAM256	16.16	-2.6	13.56	22.7	1000	PASS
n77(3700-3980)	30	50	663666	64@32	DFT_QAM256	16.66	-2.6	14.06	25.47	1000	PASS
n77(3700-3980)	30	50	663666	1@1	DFT_QAM256	16.29	-2.6	13.69	23.39	1000	PASS
n77(3700-3980)	30	50	663666	1@131	DFT_QAM256	16.85	-2.6	14.25	26.61	1000	PASS