

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	21.11	1.5	22.61	182.39	1000	PASS
n77(3700-3980)	30	10	647000	12@6	DFT_BPSK	21.6	1.5	23.1	204.17	1000	PASS
n77(3700-3980)	30	10	647000	1@1	DFT_BPSK	21.54	1.5	23.04	201.37	1000	PASS
n77(3700-3980)	30	10	647000	1@22	DFT_BPSK	21.61	1.5	23.11	204.64	1000	PASS
n77(3700-3980)	30	10	647000	24@0	DFT_QPSK	20.59	1.5	22.09	161.81	1000	PASS
n77(3700-3980)	30	10	647000	12@6	DFT_QPSK	21.57	1.5	23.07	202.77	1000	PASS
n77(3700-3980)	30	10	647000	1@1	DFT_QPSK	21.62	1.5	23.12	205.12	1000	PASS
n77(3700-3980)	30	10	647000	1@22	DFT_QPSK	21.65	1.5	23.15	206.54	1000	PASS
n77(3700-3980)	30	10	647000	24@0	DFT_16QAM	19.62	1.5	21.12	129.42	1000	PASS
n77(3700-3980)	30	10	647000	12@6	DFT_16QAM	20.67	1.5	22.17	164.82	1000	PASS
n77(3700-3980)	30	10	647000	1@1	DFT_16QAM	20.58	1.5	22.08	161.44	1000	PASS
n77(3700-3980)	30	10	647000	1@22	DFT_16QAM	20.6	1.5	22.1	162.18	1000	PASS
n77(3700-3980)	30	10	647000	24@0	DFT_64QAM	19.26	1.5	20.76	119.12	1000	PASS
n77(3700-3980)	30	10	647000	12@6	DFT_64QAM	19.22	1.5	20.72	118.03	1000	PASS
n77(3700-3980)	30	10	647000	1@1	DFT_64QAM	19.14	1.5	20.64	115.88	1000	PASS
n77(3700-3980)	30	10	647000	1@22	DFT_64QAM	19.17	1.5	20.67	116.68	1000	PASS
n77(3700-3980)	30	10	647000	24@0	DFT_256QAM	17.05	1.5	18.55	71.61	1000	PASS
n77(3700-3980)	30	10	647000	12@6	DFT_256QAM	17.34	1.5	18.84	76.56	1000	PASS
n77(3700-3980)	30	10	647000	1@1	DFT_256QAM	17.1	1.5	18.6	72.44	1000	PASS
n77(3700-3980)	30	10	647000	1@22	DFT_256QAM	17.11	1.5	18.61	72.61	1000	PASS
n77(3700-3980)	30	10	647000	24@0	CP_QPSK	18.6	1.5	20.1	102.33	1000	PASS
n77(3700-3980)	30	10	647000	12@6	CP_QPSK	20.06	1.5	21.56	143.22	1000	PASS
n77(3700-3980)	30	10	647000	1@1	CP_QPSK	20.17	1.5	21.67	146.89	1000	PASS
n77(3700-3980)	30	10	647000	1@22	CP_QPSK	20.25	1.5	21.75	149.62	1000	PASS
n77(3700-3980)	30	10	647000	24@0	CP_16QAM	18.57	1.5	20.07	101.62	1000	PASS
n77(3700-3980)	30	10	647000	12@6	CP_16QAM	19.79	1.5	21.29	134.59	1000	PASS
n77(3700-3980)	30	10	647000	1@1	CP_16QAM	19.7	1.5	21.2	131.83	1000	PASS
n77(3700-3980)	30	10	647000	1@22	CP_16QAM	19.7	1.5	21.2	131.83	1000	PASS
n77(3700-3980)	30	10	647000	24@0	CP_64QAM	18.16	1.5	19.66	92.47	1000	PASS
n77(3700-3980)	30	10	647000	12@6	CP_64QAM	18.14	1.5	19.64	92.04	1000	PASS
n77(3700-3980)	30	10	647000	1@1	CP_64QAM	17.88	1.5	19.38	86.7	1000	PASS
n77(3700-3980)	30	10	647000	1@22	CP_64QAM	17.97	1.5	19.47	88.51	1000	PASS
n77(3700-3980)	30	10	647000	24@0	CP_256QAM	15.04	1.5	16.54	45.08	1000	PASS
n77(3700-3980)	30	10	647000	12@6	CP_256QAM	15.32	1.5	16.82	48.08	1000	PASS

n77(3700-3980)	30	10	647000	1@1	CP_256QAM	15.17	1.5	16.67	46.45	1000	PASS
n77(3700-3980)	30	10	647000	1@22	CP_256QAM	15.25	1.5	16.75	47.32	1000	PASS
n77(3700-3980)	30	10	656000	24@0	DFT_BPSK	21.45	1.5	22.95	197.24	1000	PASS
n77(3700-3980)	30	10	656000	12@6	DFT_BPSK	21.98	1.5	23.48	222.84	1000	PASS
n77(3700-3980)	30	10	656000	1@1	DFT_BPSK	21.86	1.5	23.36	216.77	1000	PASS
n77(3700-3980)	30	10	656000	1@22	DFT_BPSK	21.93	1.5	23.43	220.29	1000	PASS
n77(3700-3980)	30	10	656000	24@0	DFT_QPSK	20.94	1.5	22.44	175.39	1000	PASS
n77(3700-3980)	30	10	656000	12@6	DFT_QPSK	21.95	1.5	23.45	221.31	1000	PASS
n77(3700-3980)	30	10	656000	1@1	DFT_QPSK	21.97	1.5	23.47	222.33	1000	PASS
n77(3700-3980)	30	10	656000	1@22	DFT_QPSK	22.04	1.5	23.54	225.94	1000	PASS
n77(3700-3980)	30	10	656000	24@0	DFT_16QAM	20.02	1.5	21.52	141.91	1000	PASS
n77(3700-3980)	30	10	656000	12@6	DFT_16QAM	20.94	1.5	22.44	175.39	1000	PASS
n77(3700-3980)	30	10	656000	1@1	DFT_16QAM	20.76	1.5	22.26	168.27	1000	PASS
n77(3700-3980)	30	10	656000	1@22	DFT_16QAM	20.83	1.5	22.33	171	1000	PASS
n77(3700-3980)	30	10	656000	24@0	DFT_64QAM	19.45	1.5	20.95	124.45	1000	PASS
n77(3700-3980)	30	10	656000	12@6	DFT_64QAM	19.53	1.5	21.03	126.77	1000	PASS
n77(3700-3980)	30	10	656000	1@1	DFT_64QAM	19.38	1.5	20.88	122.46	1000	PASS
n77(3700-3980)	30	10	656000	1@22	DFT_64QAM	19.48	1.5	20.98	125.31	1000	PASS
n77(3700-3980)	30	10	656000	24@0	DFT_256QAM	17.41	1.5	18.91	77.8	1000	PASS
n77(3700-3980)	30	10	656000	12@6	DFT_256QAM	17.59	1.5	19.09	81.1	1000	PASS
n77(3700-3980)	30	10	656000	1@1	DFT_256QAM	17.31	1.5	18.81	76.03	1000	PASS
n77(3700-3980)	30	10	656000	1@22	DFT_256QAM	17.41	1.5	18.91	77.8	1000	PASS
n77(3700-3980)	30	10	656000	24@0	CP_QPSK	18.94	1.5	20.44	110.66	1000	PASS
n77(3700-3980)	30	10	656000	12@6	CP_QPSK	20.48	1.5	21.98	157.76	1000	PASS
n77(3700-3980)	30	10	656000	1@1	CP_QPSK	20.48	1.5	21.98	157.76	1000	PASS
n77(3700-3980)	30	10	656000	1@22	CP_QPSK	20.51	1.5	22.01	158.85	1000	PASS
n77(3700-3980)	30	10	656000	24@0	CP_16QAM	18.86	1.5	20.36	108.64	1000	PASS
n77(3700-3980)	30	10	656000	12@6	CP_16QAM	20.07	1.5	21.57	143.55	1000	PASS
n77(3700-3980)	30	10	656000	1@1	CP_16QAM	20.01	1.5	21.51	141.58	1000	PASS
n77(3700-3980)	30	10	656000	1@22	CP_16QAM	20.06	1.5	21.56	143.22	1000	PASS
n77(3700-3980)	30	10	656000	24@0	CP_64QAM	18.43	1.5	19.93	98.4	1000	PASS
n77(3700-3980)	30	10	656000	12@6	CP_64QAM	18.6	1.5	20.1	102.33	1000	PASS
n77(3700-3980)	30	10	656000	1@1	CP_64QAM	18.19	1.5	19.69	93.11	1000	PASS
n77(3700-3980)	30	10	656000	1@22	CP_64QAM	18.25	1.5	19.75	94.41	1000	PASS
n77(3700-3980)	30	10	656000	24@0	CP_256QAM	15.45	1.5	16.95	49.55	1000	PASS
n77(3700-3980)	30	10	656000	12@6	CP_256QAM	15.5	1.5	17	50.12	1000	PASS
n77(3700-3980)	30	10	656000	1@1	CP_256QAM	15.49	1.5	16.99	50	1000	PASS
n77(3700-3980)	30	10	656000	1@22	CP_256QAM	15.53	1.5	17.03	50.47	1000	PASS
n77(3700-3980)	30	10	665000	24@0	DFT_BPSK	21.6	1.5	23.1	204.17	1000	PASS
n77(3700-3980)	30	10	665000	12@6	DFT_BPSK	22.09	1.5	23.59	228.56	1000	PASS
n77(3700-3980)	30	10	665000	1@1	DFT_BPSK	22.07	1.5	23.57	227.51	1000	PASS
n77(3700-3980)	30	10	665000	1@22	DFT_BPSK	22.07	1.5	23.57	227.51	1000	PASS
n77(3700-3980)	30	10	665000	24@0	DFT_QPSK	21.07	1.5	22.57	180.72	1000	PASS

n77(3700-3980)	30	10	665000	12@6	DFT_QPSK	22.08	1.5	23.58	228.03	1000	PASS
n77(3700-3980)	30	10	665000	1@1	DFT_QPSK	22.11	1.5	23.61	229.61	1000	PASS
n77(3700-3980)	30	10	665000	1@22	DFT_QPSK	22.12	1.5	23.62	230.14	1000	PASS
n77(3700-3980)	30	10	665000	24@0	DFT_16QAM	20.06	1.5	21.56	143.22	1000	PASS
n77(3700-3980)	30	10	665000	12@6	DFT_16QAM	21.11	1.5	22.61	182.39	1000	PASS
n77(3700-3980)	30	10	665000	1@1	DFT_16QAM	20.88	1.5	22.38	172.98	1000	PASS
n77(3700-3980)	30	10	665000	1@22	DFT_16QAM	20.98	1.5	22.48	177.01	1000	PASS
n77(3700-3980)	30	10	665000	24@0	DFT_64QAM	19.61	1.5	21.11	129.12	1000	PASS
n77(3700-3980)	30	10	665000	12@6	DFT_64QAM	19.63	1.5	21.13	129.72	1000	PASS
n77(3700-3980)	30	10	665000	1@1	DFT_64QAM	19.55	1.5	21.05	127.35	1000	PASS
n77(3700-3980)	30	10	665000	1@22	DFT_64QAM	19.56	1.5	21.06	127.64	1000	PASS
n77(3700-3980)	30	10	665000	24@0	DFT_256QAM	17.58	1.5	19.08	80.91	1000	PASS
n77(3700-3980)	30	10	665000	12@6	DFT_256QAM	17.77	1.5	19.27	84.53	1000	PASS
n77(3700-3980)	30	10	665000	1@1	DFT_256QAM	17.47	1.5	18.97	78.89	1000	PASS
n77(3700-3980)	30	10	665000	1@22	DFT_256QAM	17.54	1.5	19.04	80.17	1000	PASS
n77(3700-3980)	30	10	665000	24@0	CP_QPSK	19.07	1.5	20.57	114.02	1000	PASS
n77(3700-3980)	30	10	665000	12@6	CP_QPSK	20.45	1.5	21.95	156.68	1000	PASS
n77(3700-3980)	30	10	665000	1@1	CP_QPSK	20.6	1.5	22.1	162.18	1000	PASS
n77(3700-3980)	30	10	665000	1@22	CP_QPSK	20.59	1.5	22.09	161.81	1000	PASS
n77(3700-3980)	30	10	665000	24@0	CP_16QAM	19.01	1.5	20.51	112.46	1000	PASS
n77(3700-3980)	30	10	665000	12@6	CP_16QAM	20.25	1.5	21.75	149.62	1000	PASS
n77(3700-3980)	30	10	665000	1@1	CP_16QAM	20.3	1.5	21.8	151.36	1000	PASS
n77(3700-3980)	30	10	665000	1@22	CP_16QAM	20.19	1.5	21.69	147.57	1000	PASS
n77(3700-3980)	30	10	665000	24@0	CP_64QAM	18.64	1.5	20.14	103.28	1000	PASS
n77(3700-3980)	30	10	665000	12@6	CP_64QAM	18.71	1.5	20.21	104.95	1000	PASS
n77(3700-3980)	30	10	665000	1@1	CP_64QAM	18.34	1.5	19.84	96.38	1000	PASS
n77(3700-3980)	30	10	665000	1@22	CP_64QAM	18.33	1.5	19.83	96.16	1000	PASS
n77(3700-3980)	30	10	665000	24@0	CP_256QAM	15.56	1.5	17.06	50.82	1000	PASS
n77(3700-3980)	30	10	665000	12@6	CP_256QAM	15.65	1.5	17.15	51.88	1000	PASS
n77(3700-3980)	30	10	665000	1@1	CP_256QAM	15.62	1.5	17.12	51.52	1000	PASS
n77(3700-3980)	30	10	665000	1@22	CP_256QAM	15.65	1.5	17.15	51.88	1000	PASS
n77(3700-3980)	30	15	647168	36@0	DFT_BPSK	21.32	1.5	22.82	191.43	1000	PASS
n77(3700-3980)	30	15	647168	18@9	DFT_BPSK	21.87	1.5	23.37	217.27	1000	PASS
n77(3700-3980)	30	15	647168	1@1	DFT_BPSK	21.71	1.5	23.21	209.41	1000	PASS
n77(3700-3980)	30	15	647168	1@36	DFT_BPSK	21.81	1.5	23.31	214.29	1000	PASS
n77(3700-3980)	30	15	647168	36@0	DFT_QPSK	20.79	1.5	22.29	169.43	1000	PASS
n77(3700-3980)	30	15	647168	18@9	DFT_QPSK	21.9	1.5	23.4	218.78	1000	PASS
n77(3700-3980)	30	15	647168	1@1	DFT_QPSK	21.78	1.5	23.28	212.81	1000	PASS
n77(3700-3980)	30	15	647168	1@36	DFT_QPSK	21.85	1.5	23.35	216.27	1000	PASS
n77(3700-3980)	30	15	647168	36@0	DFT_16QAM	19.84	1.5	21.34	136.14	1000	PASS
n77(3700-3980)	30	15	647168	18@9	DFT_16QAM	20.81	1.5	22.31	170.22	1000	PASS
n77(3700-3980)	30	15	647168	1@1	DFT_16QAM	20.53	1.5	22.03	159.59	1000	PASS
n77(3700-3980)	30	15	647168	1@36	DFT_16QAM	20.56	1.5	22.06	160.69	1000	PASS

n77(3700-3980)	30	15	647168	36@0	DFT_64QAM	19.28	1.5	20.78	119.67	1000	PASS
n77(3700-3980)	30	15	647168	18@9	DFT_64QAM	19.41	1.5	20.91	123.31	1000	PASS
n77(3700-3980)	30	15	647168	1@1	DFT_64QAM	19.21	1.5	20.71	117.76	1000	PASS
n77(3700-3980)	30	15	647168	1@36	DFT_64QAM	19.29	1.5	20.79	119.95	1000	PASS
n77(3700-3980)	30	15	647168	36@0	DFT_256QAM	17.24	1.5	18.74	74.82	1000	PASS
n77(3700-3980)	30	15	647168	18@9	DFT_256QAM	17.31	1.5	18.81	76.03	1000	PASS
n77(3700-3980)	30	15	647168	1@1	DFT_256QAM	17.22	1.5	18.72	74.47	1000	PASS
n77(3700-3980)	30	15	647168	1@36	DFT_256QAM	17.3	1.5	18.8	75.86	1000	PASS
n77(3700-3980)	30	15	647168	38@0	CP_QPSK	18.7	1.5	20.2	104.71	1000	PASS
n77(3700-3980)	30	15	647168	19@9	CP_QPSK	20.29	1.5	21.79	151.01	1000	PASS
n77(3700-3980)	30	15	647168	1@1	CP_QPSK	20.27	1.5	21.77	150.31	1000	PASS
n77(3700-3980)	30	15	647168	1@36	CP_QPSK	20.3	1.5	21.8	151.36	1000	PASS
n77(3700-3980)	30	15	647168	38@0	CP_16QAM	18.79	1.5	20.29	106.91	1000	PASS
n77(3700-3980)	30	15	647168	19@9	CP_16QAM	19.88	1.5	21.38	137.4	1000	PASS
n77(3700-3980)	30	15	647168	1@1	CP_16QAM	19.75	1.5	21.25	133.35	1000	PASS
n77(3700-3980)	30	15	647168	1@36	CP_16QAM	19.82	1.5	21.32	135.52	1000	PASS
n77(3700-3980)	30	15	647168	38@0	CP_64QAM	18.24	1.5	19.74	94.19	1000	PASS
n77(3700-3980)	30	15	647168	19@9	CP_64QAM	18.32	1.5	19.82	95.94	1000	PASS
n77(3700-3980)	30	15	647168	1@1	CP_64QAM	18.09	1.5	19.59	90.99	1000	PASS
n77(3700-3980)	30	15	647168	1@36	CP_64QAM	18.07	1.5	19.57	90.57	1000	PASS
n77(3700-3980)	30	15	647168	38@0	CP_256QAM	15.41	1.5	16.91	49.09	1000	PASS
n77(3700-3980)	30	15	647168	19@9	CP_256QAM	15.44	1.5	16.94	49.43	1000	PASS
n77(3700-3980)	30	15	647168	1@1	CP_256QAM	15.37	1.5	16.87	48.64	1000	PASS
n77(3700-3980)	30	15	647168	1@36	CP_256QAM	15.43	1.5	16.93	49.32	1000	PASS
n77(3700-3980)	30	15	656000	36@0	DFT_BPSK	21.55	1.5	23.05	201.84	1000	PASS
n77(3700-3980)	30	15	656000	18@9	DFT_BPSK	22.07	1.5	23.57	227.51	1000	PASS
n77(3700-3980)	30	15	656000	1@1	DFT_BPSK	21.89	1.5	23.39	218.27	1000	PASS
n77(3700-3980)	30	15	656000	1@36	DFT_BPSK	22.02	1.5	23.52	224.91	1000	PASS
n77(3700-3980)	30	15	656000	36@0	DFT_QPSK	21.03	1.5	22.53	179.06	1000	PASS
n77(3700-3980)	30	15	656000	18@9	DFT_QPSK	22.06	1.5	23.56	226.99	1000	PASS
n77(3700-3980)	30	15	656000	1@1	DFT_QPSK	21.95	1.5	23.45	221.31	1000	PASS
n77(3700-3980)	30	15	656000	1@36	DFT_QPSK	22.05	1.5	23.55	226.46	1000	PASS
n77(3700-3980)	30	15	656000	36@0	DFT_16QAM	20.08	1.5	21.58	143.88	1000	PASS
n77(3700-3980)	30	15	656000	18@9	DFT_16QAM	21.06	1.5	22.56	180.3	1000	PASS
n77(3700-3980)	30	15	656000	1@1	DFT_16QAM	20.74	1.5	22.24	167.49	1000	PASS
n77(3700-3980)	30	15	656000	1@36	DFT_16QAM	20.88	1.5	22.38	172.98	1000	PASS
n77(3700-3980)	30	15	656000	36@0	DFT_64QAM	19.57	1.5	21.07	127.94	1000	PASS
n77(3700-3980)	30	15	656000	18@9	DFT_64QAM	19.64	1.5	21.14	130.02	1000	PASS
n77(3700-3980)	30	15	656000	1@1	DFT_64QAM	19.41	1.5	20.91	123.31	1000	PASS
n77(3700-3980)	30	15	656000	1@36	DFT_64QAM	19.57	1.5	21.07	127.94	1000	PASS
n77(3700-3980)	30	15	656000	36@0	DFT_256QAM	17.56	1.5	19.06	80.54	1000	PASS
n77(3700-3980)	30	15	656000	18@9	DFT_256QAM	17.56	1.5	19.06	80.54	1000	PASS
n77(3700-3980)	30	15	656000	1@1	DFT_256QAM	17.42	1.5	18.92	77.98	1000	PASS

n77(3700-3980)	30	15	656000	1@36	DFT_256QAM	17.55	1.5	19.05	80.35	1000	PASS
n77(3700-3980)	30	15	656000	38@0	CP_QPSK	19.01	1.5	20.51	112.46	1000	PASS
n77(3700-3980)	30	15	656000	19@9	CP_QPSK	20.49	1.5	21.99	158.12	1000	PASS
n77(3700-3980)	30	15	656000	1@1	CP_QPSK	20.49	1.5	21.99	158.12	1000	PASS
n77(3700-3980)	30	15	656000	1@36	CP_QPSK	20.57	1.5	22.07	161.06	1000	PASS
n77(3700-3980)	30	15	656000	38@0	CP_16QAM	19.04	1.5	20.54	113.24	1000	PASS
n77(3700-3980)	30	15	656000	19@9	CP_16QAM	20.06	1.5	21.56	143.22	1000	PASS
n77(3700-3980)	30	15	656000	1@1	CP_16QAM	20.04	1.5	21.54	142.56	1000	PASS
n77(3700-3980)	30	15	656000	1@36	CP_16QAM	20.11	1.5	21.61	144.88	1000	PASS
n77(3700-3980)	30	15	656000	38@0	CP_64QAM	18.58	1.5	20.08	101.86	1000	PASS
n77(3700-3980)	30	15	656000	19@9	CP_64QAM	18.52	1.5	20.02	100.46	1000	PASS
n77(3700-3980)	30	15	656000	1@1	CP_64QAM	18.27	1.5	19.77	94.84	1000	PASS
n77(3700-3980)	30	15	656000	1@36	CP_64QAM	18.41	1.5	19.91	97.95	1000	PASS
n77(3700-3980)	30	15	656000	38@0	CP_256QAM	15.6	1.5	17.1	51.29	1000	PASS
n77(3700-3980)	30	15	656000	19@9	CP_256QAM	15.61	1.5	17.11	51.4	1000	PASS
n77(3700-3980)	30	15	656000	1@1	CP_256QAM	15.56	1.5	17.06	50.82	1000	PASS
n77(3700-3980)	30	15	656000	1@36	CP_256QAM	15.68	1.5	17.18	52.24	1000	PASS
n77(3700-3980)	30	15	664832	36@0	DFT_BPSK	21.63	1.5	23.13	205.59	1000	PASS
n77(3700-3980)	30	15	664832	18@9	DFT_BPSK	22.19	1.5	23.69	233.88	1000	PASS
n77(3700-3980)	30	15	664832	1@1	DFT_BPSK	22.03	1.5	23.53	225.42	1000	PASS
n77(3700-3980)	30	15	664832	1@36	DFT_BPSK	22.07	1.5	23.57	227.51	1000	PASS
n77(3700-3980)	30	15	664832	36@0	DFT_QPSK	21.17	1.5	22.67	184.93	1000	PASS
n77(3700-3980)	30	15	664832	18@9	DFT_QPSK	22.2	1.5	23.7	234.42	1000	PASS
n77(3700-3980)	30	15	664832	1@1	DFT_QPSK	22.07	1.5	23.57	227.51	1000	PASS
n77(3700-3980)	30	15	664832	1@36	DFT_QPSK	22.11	1.5	23.61	229.61	1000	PASS
n77(3700-3980)	30	15	664832	36@0	DFT_16QAM	20.15	1.5	21.65	146.22	1000	PASS
n77(3700-3980)	30	15	664832	18@9	DFT_16QAM	21.13	1.5	22.63	183.23	1000	PASS
n77(3700-3980)	30	15	664832	1@1	DFT_16QAM	20.89	1.5	22.39	173.38	1000	PASS
n77(3700-3980)	30	15	664832	1@36	DFT_16QAM	21.03	1.5	22.53	179.06	1000	PASS
n77(3700-3980)	30	15	664832	36@0	DFT_64QAM	19.65	1.5	21.15	130.32	1000	PASS
n77(3700-3980)	30	15	664832	18@9	DFT_64QAM	19.75	1.5	21.25	133.35	1000	PASS
n77(3700-3980)	30	15	664832	1@1	DFT_64QAM	19.59	1.5	21.09	128.53	1000	PASS
n77(3700-3980)	30	15	664832	1@36	DFT_64QAM	19.61	1.5	21.11	129.12	1000	PASS
n77(3700-3980)	30	15	664832	36@0	DFT_256QAM	17.62	1.5	19.12	81.66	1000	PASS
n77(3700-3980)	30	15	664832	18@9	DFT_256QAM	17.63	1.5	19.13	81.85	1000	PASS
n77(3700-3980)	30	15	664832	1@1	DFT_256QAM	17.59	1.5	19.09	81.1	1000	PASS
n77(3700-3980)	30	15	664832	1@36	DFT_256QAM	17.58	1.5	19.08	80.91	1000	PASS
n77(3700-3980)	30	15	664832	38@0	CP_QPSK	19.07	1.5	20.57	114.02	1000	PASS
n77(3700-3980)	30	15	664832	19@9	CP_QPSK	20.6	1.5	22.1	162.18	1000	PASS
n77(3700-3980)	30	15	664832	1@1	CP_QPSK	20.54	1.5	22.04	159.96	1000	PASS
n77(3700-3980)	30	15	664832	1@36	CP_QPSK	20.56	1.5	22.06	160.69	1000	PASS
n77(3700-3980)	30	15	664832	38@0	CP_16QAM	19.16	1.5	20.66	116.41	1000	PASS
n77(3700-3980)	30	15	664832	19@9	CP_16QAM	20.15	1.5	21.65	146.22	1000	PASS

n77(3700-3980)	30	15	664832	1@1	CP_16QAM	20.15	1.5	21.65	146.22	1000	PASS
n77(3700-3980)	30	15	664832	1@36	CP_16QAM	20.07	1.5	21.57	143.55	1000	PASS
n77(3700-3980)	30	15	664832	38@0	CP_64QAM	18.63	1.5	20.13	103.04	1000	PASS
n77(3700-3980)	30	15	664832	19@9	CP_64QAM	18.69	1.5	20.19	104.47	1000	PASS
n77(3700-3980)	30	15	664832	1@1	CP_64QAM	18.39	1.5	19.89	97.5	1000	PASS
n77(3700-3980)	30	15	664832	1@36	CP_64QAM	18.4	1.5	19.9	97.72	1000	PASS
n77(3700-3980)	30	15	664832	38@0	CP_256QAM	15.72	1.5	17.22	52.72	1000	PASS
n77(3700-3980)	30	15	664832	19@9	CP_256QAM	15.75	1.5	17.25	53.09	1000	PASS
n77(3700-3980)	30	15	664832	1@1	CP_256QAM	15.67	1.5	17.17	52.12	1000	PASS
n77(3700-3980)	30	15	664832	1@36	CP_256QAM	15.69	1.5	17.19	52.36	1000	PASS
n77(3700-3980)	30	20	647334	50@0	DFT_BPSK	21.32	1.5	22.82	191.43	1000	PASS
n77(3700-3980)	30	20	647334	25@12	DFT_BPSK	21.82	1.5	23.32	214.78	1000	PASS
n77(3700-3980)	30	20	647334	1@1	DFT_BPSK	21.71	1.5	23.21	209.41	1000	PASS
n77(3700-3980)	30	20	647334	1@49	DFT_BPSK	21.77	1.5	23.27	212.32	1000	PASS
n77(3700-3980)	30	20	647334	50@0	DFT_QPSK	20.8	1.5	22.3	169.82	1000	PASS
n77(3700-3980)	30	20	647334	25@12	DFT_QPSK	21.87	1.5	23.37	217.27	1000	PASS
n77(3700-3980)	30	20	647334	1@1	DFT_QPSK	21.73	1.5	23.23	210.38	1000	PASS
n77(3700-3980)	30	20	647334	1@49	DFT_QPSK	21.81	1.5	23.31	214.29	1000	PASS
n77(3700-3980)	30	20	647334	50@0	DFT_16QAM	19.75	1.5	21.25	133.35	1000	PASS
n77(3700-3980)	30	20	647334	25@12	DFT_16QAM	20.8	1.5	22.3	169.82	1000	PASS
n77(3700-3980)	30	20	647334	1@1	DFT_16QAM	20.56	1.5	22.06	160.69	1000	PASS
n77(3700-3980)	30	20	647334	1@49	DFT_16QAM	20.62	1.5	22.12	162.93	1000	PASS
n77(3700-3980)	30	20	647334	50@0	DFT_64QAM	19.26	1.5	20.76	119.12	1000	PASS
n77(3700-3980)	30	20	647334	25@12	DFT_64QAM	19.33	1.5	20.83	121.06	1000	PASS
n77(3700-3980)	30	20	647334	1@1	DFT_64QAM	19.24	1.5	20.74	118.58	1000	PASS
n77(3700-3980)	30	20	647334	1@49	DFT_64QAM	19.36	1.5	20.86	121.9	1000	PASS
n77(3700-3980)	30	20	647334	50@0	DFT_256QAM	17.25	1.5	18.75	74.99	1000	PASS
n77(3700-3980)	30	20	647334	25@12	DFT_256QAM	17.33	1.5	18.83	76.38	1000	PASS
n77(3700-3980)	30	20	647334	1@1	DFT_256QAM	17.2	1.5	18.7	74.13	1000	PASS
n77(3700-3980)	30	20	647334	1@49	DFT_256QAM	17.34	1.5	18.84	76.56	1000	PASS
n77(3700-3980)	30	20	647334	51@0	CP_QPSK	18.77	1.5	20.27	106.41	1000	PASS
n77(3700-3980)	30	20	647334	25@12	CP_QPSK	20.26	1.5	21.76	149.97	1000	PASS
n77(3700-3980)	30	20	647334	1@1	CP_QPSK	20.24	1.5	21.74	149.28	1000	PASS
n77(3700-3980)	30	20	647334	1@49	CP_QPSK	20.31	1.5	21.81	151.71	1000	PASS
n77(3700-3980)	30	20	647334	51@0	CP_16QAM	18.77	1.5	20.27	106.41	1000	PASS
n77(3700-3980)	30	20	647334	25@12	CP_16QAM	19.85	1.5	21.35	136.46	1000	PASS
n77(3700-3980)	30	20	647334	1@1	CP_16QAM	19.77	1.5	21.27	133.97	1000	PASS
n77(3700-3980)	30	20	647334	1@49	CP_16QAM	19.87	1.5	21.37	137.09	1000	PASS
n77(3700-3980)	30	20	647334	51@0	CP_64QAM	18.31	1.5	19.81	95.72	1000	PASS
n77(3700-3980)	30	20	647334	25@12	CP_64QAM	18.36	1.5	19.86	96.83	1000	PASS
n77(3700-3980)	30	20	647334	1@1	CP_64QAM	18.02	1.5	19.52	89.54	1000	PASS
n77(3700-3980)	30	20	647334	1@49	CP_64QAM	18.09	1.5	19.59	90.99	1000	PASS
n77(3700-3980)	30	20	647334	51@0	CP_256QAM	15.32	1.5	16.82	48.08	1000	PASS

n77(3700-3980)	30	20	647334	25@12	CP_256QAM	15.33	1.5	16.83	48.19	1000	PASS
n77(3700-3980)	30	20	647334	1@1	CP_256QAM	15.34	1.5	16.84	48.31	1000	PASS
n77(3700-3980)	30	20	647334	1@49	CP_256QAM	15.45	1.5	16.95	49.55	1000	PASS
n77(3700-3980)	30	20	656000	50@0	DFT_BPSK	21.56	1.5	23.06	202.3	1000	PASS
n77(3700-3980)	30	20	656000	25@12	DFT_BPSK	22.01	1.5	23.51	224.39	1000	PASS
n77(3700-3980)	30	20	656000	1@1	DFT_BPSK	21.86	1.5	23.36	216.77	1000	PASS
n77(3700-3980)	30	20	656000	1@49	DFT_BPSK	22.05	1.5	23.55	226.46	1000	PASS
n77(3700-3980)	30	20	656000	50@0	DFT_QPSK	21.06	1.5	22.56	180.3	1000	PASS
n77(3700-3980)	30	20	656000	25@12	DFT_QPSK	22.1	1.5	23.6	229.09	1000	PASS
n77(3700-3980)	30	20	656000	1@1	DFT_QPSK	21.97	1.5	23.47	222.33	1000	PASS
n77(3700-3980)	30	20	656000	1@49	DFT_QPSK	22.11	1.5	23.61	229.61	1000	PASS
n77(3700-3980)	30	20	656000	50@0	DFT_16QAM	19.98	1.5	21.48	140.6	1000	PASS
n77(3700-3980)	30	20	656000	25@12	DFT_16QAM	21.03	1.5	22.53	179.06	1000	PASS
n77(3700-3980)	30	20	656000	1@1	DFT_16QAM	20.71	1.5	22.21	166.34	1000	PASS
n77(3700-3980)	30	20	656000	1@49	DFT_16QAM	21.02	1.5	22.52	178.65	1000	PASS
n77(3700-3980)	30	20	656000	50@0	DFT_64QAM	19.5	1.5	21	125.89	1000	PASS
n77(3700-3980)	30	20	656000	25@12	DFT_64QAM	19.55	1.5	21.05	127.35	1000	PASS
n77(3700-3980)	30	20	656000	1@1	DFT_64QAM	19.44	1.5	20.94	124.17	1000	PASS
n77(3700-3980)	30	20	656000	1@49	DFT_64QAM	19.6	1.5	21.1	128.82	1000	PASS
n77(3700-3980)	30	20	656000	50@0	DFT_256QAM	17.49	1.5	18.99	79.25	1000	PASS
n77(3700-3980)	30	20	656000	25@12	DFT_256QAM	17.57	1.5	19.07	80.72	1000	PASS
n77(3700-3980)	30	20	656000	1@1	DFT_256QAM	17.43	1.5	18.93	78.16	1000	PASS
n77(3700-3980)	30	20	656000	1@49	DFT_256QAM	17.55	1.5	19.05	80.35	1000	PASS
n77(3700-3980)	30	20	656000	51@0	CP_QPSK	19.06	1.5	20.56	113.76	1000	PASS
n77(3700-3980)	30	20	656000	25@12	CP_QPSK	20.52	1.5	22.02	159.22	1000	PASS
n77(3700-3980)	30	20	656000	1@1	CP_QPSK	20.45	1.5	21.95	156.68	1000	PASS
n77(3700-3980)	30	20	656000	1@49	CP_QPSK	20.57	1.5	22.07	161.06	1000	PASS
n77(3700-3980)	30	20	656000	51@0	CP_16QAM	19.04	1.5	20.54	113.24	1000	PASS
n77(3700-3980)	30	20	656000	25@12	CP_16QAM	20.09	1.5	21.59	144.21	1000	PASS
n77(3700-3980)	30	20	656000	1@1	CP_16QAM	20.06	1.5	21.56	143.22	1000	PASS
n77(3700-3980)	30	20	656000	1@49	CP_16QAM	20.15	1.5	21.65	146.22	1000	PASS
n77(3700-3980)	30	20	656000	51@0	CP_64QAM	18.57	1.5	20.07	101.62	1000	PASS
n77(3700-3980)	30	20	656000	25@12	CP_64QAM	18.59	1.5	20.09	102.09	1000	PASS
n77(3700-3980)	30	20	656000	1@1	CP_64QAM	18.26	1.5	19.76	94.62	1000	PASS
n77(3700-3980)	30	20	656000	1@49	CP_64QAM	18.39	1.5	19.89	97.5	1000	PASS
n77(3700-3980)	30	20	656000	51@0	CP_256QAM	15.61	1.5	17.11	51.4	1000	PASS
n77(3700-3980)	30	20	656000	25@12	CP_256QAM	15.61	1.5	17.11	51.4	1000	PASS
n77(3700-3980)	30	20	656000	1@1	CP_256QAM	15.52	1.5	17.02	50.35	1000	PASS
n77(3700-3980)	30	20	656000	1@49	CP_256QAM	15.65	1.5	17.15	51.88	1000	PASS
n77(3700-3980)	30	20	664666	50@0	DFT_BPSK	21.65	1.5	23.15	206.54	1000	PASS
n77(3700-3980)	30	20	664666	25@12	DFT_BPSK	22.13	1.5	23.63	230.67	1000	PASS
n77(3700-3980)	30	20	664666	1@1	DFT_BPSK	22.04	1.5	23.54	225.94	1000	PASS
n77(3700-3980)	30	20	664666	1@49	DFT_BPSK	22.06	1.5	23.56	226.99	1000	PASS

n77(3700-3980)	30	20	664666	50@0	DFT_QPSK	21.18	1.5	22.68	185.35	1000	PASS
n77(3700-3980)	30	20	664666	25@12	DFT_QPSK	22.22	1.5	23.72	235.5	1000	PASS
n77(3700-3980)	30	20	664666	1@1	DFT_QPSK	22.05	1.5	23.55	226.46	1000	PASS
n77(3700-3980)	30	20	664666	1@49	DFT_QPSK	22.13	1.5	23.63	230.67	1000	PASS
n77(3700-3980)	30	20	664666	50@0	DFT_16QAM	20.08	1.5	21.58	143.88	1000	PASS
n77(3700-3980)	30	20	664666	25@12	DFT_16QAM	21.13	1.5	22.63	183.23	1000	PASS
n77(3700-3980)	30	20	664666	1@1	DFT_16QAM	20.88	1.5	22.38	172.98	1000	PASS
n77(3700-3980)	30	20	664666	1@49	DFT_16QAM	20.91	1.5	22.41	174.18	1000	PASS
n77(3700-3980)	30	20	664666	50@0	DFT_64QAM	19.59	1.5	21.09	128.53	1000	PASS
n77(3700-3980)	30	20	664666	25@12	DFT_64QAM	19.64	1.5	21.14	130.02	1000	PASS
n77(3700-3980)	30	20	664666	1@1	DFT_64QAM	19.58	1.5	21.08	128.23	1000	PASS
n77(3700-3980)	30	20	664666	1@49	DFT_64QAM	19.63	1.5	21.13	129.72	1000	PASS
n77(3700-3980)	30	20	664666	50@0	DFT_256QAM	17.57	1.5	19.07	80.72	1000	PASS
n77(3700-3980)	30	20	664666	25@12	DFT_256QAM	17.68	1.5	19.18	82.79	1000	PASS
n77(3700-3980)	30	20	664666	1@1	DFT_256QAM	17.56	1.5	19.06	80.54	1000	PASS
n77(3700-3980)	30	20	664666	1@49	DFT_256QAM	17.61	1.5	19.11	81.47	1000	PASS
n77(3700-3980)	30	20	664666	51@0	CP_QPSK	19.12	1.5	20.62	115.35	1000	PASS
n77(3700-3980)	30	20	664666	25@12	CP_QPSK	20.62	1.5	22.12	162.93	1000	PASS
n77(3700-3980)	30	20	664666	1@1	CP_QPSK	20.53	1.5	22.03	159.59	1000	PASS
n77(3700-3980)	30	20	664666	1@49	CP_QPSK	20.59	1.5	22.09	161.81	1000	PASS
n77(3700-3980)	30	20	664666	51@0	CP_16QAM	19.12	1.5	20.62	115.35	1000	PASS
n77(3700-3980)	30	20	664666	25@12	CP_16QAM	20.2	1.5	21.7	147.91	1000	PASS
n77(3700-3980)	30	20	664666	1@1	CP_16QAM	20.09	1.5	21.59	144.21	1000	PASS
n77(3700-3980)	30	20	664666	1@49	CP_16QAM	20.08	1.5	21.58	143.88	1000	PASS
n77(3700-3980)	30	20	664666	51@0	CP_64QAM	18.65	1.5	20.15	103.51	1000	PASS
n77(3700-3980)	30	20	664666	25@12	CP_64QAM	18.79	1.5	20.29	106.91	1000	PASS
n77(3700-3980)	30	20	664666	1@1	CP_64QAM	18.32	1.5	19.82	95.94	1000	PASS
n77(3700-3980)	30	20	664666	1@49	CP_64QAM	18.35	1.5	19.85	96.61	1000	PASS
n77(3700-3980)	30	20	664666	51@0	CP_256QAM	15.66	1.5	17.16	52	1000	PASS
n77(3700-3980)	30	20	664666	25@12	CP_256QAM	15.71	1.5	17.21	52.6	1000	PASS
n77(3700-3980)	30	20	664666	1@1	CP_256QAM	15.6	1.5	17.1	51.29	1000	PASS
n77(3700-3980)	30	20	664666	1@49	CP_256QAM	15.71	1.5	17.21	52.6	1000	PASS
n77(3700-3980)	30	40	648000	100@0	DFT_BPSK	21.32	1.5	22.82	191.43	1000	PASS
n77(3700-3980)	30	40	648000	50@25	DFT_BPSK	21.78	1.5	23.28	212.81	1000	PASS
n77(3700-3980)	30	40	648000	1@1	DFT_BPSK	21.67	1.5	23.17	207.49	1000	PASS
n77(3700-3980)	30	40	648000	1@104	DFT_BPSK	21.96	1.5	23.46	221.82	1000	PASS
n77(3700-3980)	30	40	648000	100@0	DFT_QPSK	20.8	1.5	22.3	169.82	1000	PASS
n77(3700-3980)	30	40	648000	50@25	DFT_QPSK	21.8	1.5	23.3	213.8	1000	PASS
n77(3700-3980)	30	40	648000	1@1	DFT_QPSK	21.72	1.5	23.22	209.89	1000	PASS
n77(3700-3980)	30	40	648000	1@104	DFT_QPSK	22	1.5	23.5	223.87	1000	PASS
n77(3700-3980)	30	40	648000	100@0	DFT_16QAM	19.79	1.5	21.29	134.59	1000	PASS
n77(3700-3980)	30	40	648000	50@25	DFT_16QAM	20.75	1.5	22.25	167.88	1000	PASS
n77(3700-3980)	30	40	648000	1@1	DFT_16QAM	20.51	1.5	22.01	158.85	1000	PASS

n77(3700-3980)	30	40	648000	1@104	DFT_16QAM	20.78	1.5	22.28	169.04	1000	PASS
n77(3700-3980)	30	40	648000	100@0	DFT_64QAM	19.3	1.5	20.8	120.23	1000	PASS
n77(3700-3980)	30	40	648000	50@25	DFT_64QAM	19.26	1.5	20.76	119.12	1000	PASS
n77(3700-3980)	30	40	648000	1@1	DFT_64QAM	19.28	1.5	20.78	119.67	1000	PASS
n77(3700-3980)	30	40	648000	1@104	DFT_64QAM	19.56	1.5	21.06	127.64	1000	PASS
n77(3700-3980)	30	40	648000	100@0	DFT_256QAM	17.26	1.5	18.76	75.16	1000	PASS
n77(3700-3980)	30	40	648000	50@25	DFT_256QAM	17.28	1.5	18.78	75.51	1000	PASS
n77(3700-3980)	30	40	648000	1@1	DFT_256QAM	17.21	1.5	18.71	74.3	1000	PASS
n77(3700-3980)	30	40	648000	1@104	DFT_256QAM	17.51	1.5	19.01	79.62	1000	PASS
n77(3700-3980)	30	40	648000	106@0	CP_QPSK	18.79	1.5	20.29	106.91	1000	PASS
n77(3700-3980)	30	40	648000	53@26	CP_QPSK	20.27	1.5	21.77	150.31	1000	PASS
n77(3700-3980)	30	40	648000	1@1	CP_QPSK	20.23	1.5	21.73	148.94	1000	PASS
n77(3700-3980)	30	40	648000	1@104	CP_QPSK	20.51	1.5	22.01	158.85	1000	PASS
n77(3700-3980)	30	40	648000	106@0	CP_16QAM	18.79	1.5	20.29	106.91	1000	PASS
n77(3700-3980)	30	40	648000	53@26	CP_16QAM	19.74	1.5	21.24	133.05	1000	PASS
n77(3700-3980)	30	40	648000	1@1	CP_16QAM	19.7	1.5	21.2	131.83	1000	PASS
n77(3700-3980)	30	40	648000	1@104	CP_16QAM	19.96	1.5	21.46	139.96	1000	PASS
n77(3700-3980)	30	40	648000	106@0	CP_64QAM	18.31	1.5	19.81	95.72	1000	PASS
n77(3700-3980)	30	40	648000	53@26	CP_64QAM	18.33	1.5	19.83	96.16	1000	PASS
n77(3700-3980)	30	40	648000	1@1	CP_64QAM	17.96	1.5	19.46	88.31	1000	PASS
n77(3700-3980)	30	40	648000	1@104	CP_64QAM	18.25	1.5	19.75	94.41	1000	PASS
n77(3700-3980)	30	40	648000	106@0	CP_256QAM	15.3	1.5	16.8	47.86	1000	PASS
n77(3700-3980)	30	40	648000	53@26	CP_256QAM	15.31	1.5	16.81	47.97	1000	PASS
n77(3700-3980)	30	40	648000	1@1	CP_256QAM	15.32	1.5	16.82	48.08	1000	PASS
n77(3700-3980)	30	40	648000	1@104	CP_256QAM	15.62	1.5	17.12	51.52	1000	PASS
n77(3700-3980)	30	40	656000	100@0	DFT_BPSK	21.55	1.5	23.05	201.84	1000	PASS
n77(3700-3980)	30	40	656000	50@25	DFT_BPSK	22.05	1.5	23.55	226.46	1000	PASS
n77(3700-3980)	30	40	656000	1@1	DFT_BPSK	21.81	1.5	23.31	214.29	1000	PASS
n77(3700-3980)	30	40	656000	1@104	DFT_BPSK	22.18	1.5	23.68	233.35	1000	PASS
n77(3700-3980)	30	40	656000	100@0	DFT_QPSK	21.08	1.5	22.58	181.13	1000	PASS
n77(3700-3980)	30	40	656000	50@25	DFT_QPSK	22.07	1.5	23.57	227.51	1000	PASS
n77(3700-3980)	30	40	656000	1@1	DFT_QPSK	21.88	1.5	23.38	217.77	1000	PASS
n77(3700-3980)	30	40	656000	1@104	DFT_QPSK	22.23	1.5	23.73	236.05	1000	PASS
n77(3700-3980)	30	40	656000	100@0	DFT_16QAM	20.05	1.5	21.55	142.89	1000	PASS
n77(3700-3980)	30	40	656000	50@25	DFT_16QAM	21.02	1.5	22.52	178.65	1000	PASS
n77(3700-3980)	30	40	656000	1@1	DFT_16QAM	20.77	1.5	22.27	168.66	1000	PASS
n77(3700-3980)	30	40	656000	1@104	DFT_16QAM	21.1	1.5	22.6	181.97	1000	PASS
n77(3700-3980)	30	40	656000	100@0	DFT_64QAM	19.53	1.5	21.03	126.77	1000	PASS
n77(3700-3980)	30	40	656000	50@25	DFT_64QAM	19.51	1.5	21.01	126.18	1000	PASS
n77(3700-3980)	30	40	656000	1@1	DFT_64QAM	19.34	1.5	20.84	121.34	1000	PASS
n77(3700-3980)	30	40	656000	1@104	DFT_64QAM	19.69	1.5	21.19	131.52	1000	PASS
n77(3700-3980)	30	40	656000	100@0	DFT_256QAM	17.53	1.5	19.03	79.98	1000	PASS
n77(3700-3980)	30	40	656000	50@25	DFT_256QAM	17.51	1.5	19.01	79.62	1000	PASS

n77(3700-3980)	30	40	656000	1@1	DFT_256QAM	17.46	1.5	18.96	78.7	1000	PASS
n77(3700-3980)	30	40	656000	1@104	DFT_256QAM	17.72	1.5	19.22	83.56	1000	PASS
n77(3700-3980)	30	40	656000	106@0	CP_QPSK	19.03	1.5	20.53	112.98	1000	PASS
n77(3700-3980)	30	40	656000	53@26	CP_QPSK	20.5	1.5	22	158.49	1000	PASS
n77(3700-3980)	30	40	656000	1@1	CP_QPSK	20.4	1.5	21.9	154.88	1000	PASS
n77(3700-3980)	30	40	656000	1@104	CP_QPSK	20.71	1.5	22.21	166.34	1000	PASS
n77(3700-3980)	30	40	656000	106@0	CP_16QAM	19.04	1.5	20.54	113.24	1000	PASS
n77(3700-3980)	30	40	656000	53@26	CP_16QAM	20.03	1.5	21.53	142.23	1000	PASS
n77(3700-3980)	30	40	656000	1@1	CP_16QAM	19.91	1.5	21.41	138.36	1000	PASS
n77(3700-3980)	30	40	656000	1@104	CP_16QAM	20.28	1.5	21.78	150.66	1000	PASS
n77(3700-3980)	30	40	656000	106@0	CP_64QAM	18.55	1.5	20.05	101.16	1000	PASS
n77(3700-3980)	30	40	656000	53@26	CP_64QAM	18.58	1.5	20.08	101.86	1000	PASS
n77(3700-3980)	30	40	656000	1@1	CP_64QAM	18.18	1.5	19.68	92.9	1000	PASS
n77(3700-3980)	30	40	656000	1@104	CP_64QAM	18.41	1.5	19.91	97.95	1000	PASS
n77(3700-3980)	30	40	656000	106@0	CP_256QAM	15.53	1.5	17.03	50.47	1000	PASS
n77(3700-3980)	30	40	656000	53@26	CP_256QAM	15.59	1.5	17.09	51.17	1000	PASS
n77(3700-3980)	30	40	656000	1@1	CP_256QAM	15.48	1.5	16.98	49.89	1000	PASS
n77(3700-3980)	30	40	656000	1@104	CP_256QAM	15.8	1.5	17.3	53.7	1000	PASS
n77(3700-3980)	30	40	664000	100@0	DFT_BPSK	21.74	1.5	23.24	210.86	1000	PASS
n77(3700-3980)	30	40	664000	50@25	DFT_BPSK	22.22	1.5	23.72	235.5	1000	PASS
n77(3700-3980)	30	40	664000	1@1	DFT_BPSK	22.13	1.5	23.63	230.67	1000	PASS
n77(3700-3980)	30	40	664000	1@104	DFT_BPSK	22.22	1.5	23.72	235.5	1000	PASS
n77(3700-3980)	30	40	664000	100@0	DFT_QPSK	21.26	1.5	22.76	188.8	1000	PASS
n77(3700-3980)	30	40	664000	50@25	DFT_QPSK	22.23	1.5	23.73	236.05	1000	PASS
n77(3700-3980)	30	40	664000	1@1	DFT_QPSK	22.19	1.5	23.69	233.88	1000	PASS
n77(3700-3980)	30	40	664000	1@104	DFT_QPSK	22.26	1.5	23.76	237.68	1000	PASS
n77(3700-3980)	30	40	664000	100@0	DFT_16QAM	20.24	1.5	21.74	149.28	1000	PASS
n77(3700-3980)	30	40	664000	50@25	DFT_16QAM	21.19	1.5	22.69	185.78	1000	PASS
n77(3700-3980)	30	40	664000	1@1	DFT_16QAM	21.01	1.5	22.51	178.24	1000	PASS
n77(3700-3980)	30	40	664000	1@104	DFT_16QAM	21.07	1.5	22.57	180.72	1000	PASS
n77(3700-3980)	30	40	664000	100@0	DFT_64QAM	19.72	1.5	21.22	132.43	1000	PASS
n77(3700-3980)	30	40	664000	50@25	DFT_64QAM	19.7	1.5	21.2	131.83	1000	PASS
n77(3700-3980)	30	40	664000	1@1	DFT_64QAM	19.66	1.5	21.16	130.62	1000	PASS
n77(3700-3980)	30	40	664000	1@104	DFT_64QAM	19.78	1.5	21.28	134.28	1000	PASS
n77(3700-3980)	30	40	664000	100@0	DFT_256QAM	17.73	1.5	19.23	83.75	1000	PASS
n77(3700-3980)	30	40	664000	50@25	DFT_256QAM	17.71	1.5	19.21	83.37	1000	PASS
n77(3700-3980)	30	40	664000	1@1	DFT_256QAM	17.7	1.5	19.2	83.18	1000	PASS
n77(3700-3980)	30	40	664000	1@104	DFT_256QAM	17.77	1.5	19.27	84.53	1000	PASS
n77(3700-3980)	30	40	664000	106@0	CP_QPSK	19.2	1.5	20.7	117.49	1000	PASS
n77(3700-3980)	30	40	664000	53@26	CP_QPSK	20.66	1.5	22.16	164.44	1000	PASS
n77(3700-3980)	30	40	664000	1@1	CP_QPSK	20.65	1.5	22.15	164.06	1000	PASS
n77(3700-3980)	30	40	664000	1@104	CP_QPSK	20.75	1.5	22.25	167.88	1000	PASS
n77(3700-3980)	30	40	664000	106@0	CP_16QAM	19.22	1.5	20.72	118.03	1000	PASS

n77(3700-3980)	30	40	664000	53@26	CP_16QAM	20.2	1.5	21.7	147.91	1000	PASS
n77(3700-3980)	30	40	664000	1@1	CP_16QAM	20.17	1.5	21.67	146.89	1000	PASS
n77(3700-3980)	30	40	664000	1@104	CP_16QAM	20.24	1.5	21.74	149.28	1000	PASS
n77(3700-3980)	30	40	664000	106@0	CP_64QAM	18.15	1.5	19.65	92.26	1000	PASS
n77(3700-3980)	30	40	664000	53@26	CP_64QAM	18.74	1.5	20.24	105.68	1000	PASS
n77(3700-3980)	30	40	664000	1@1	CP_64QAM	18.46	1.5	19.96	99.08	1000	PASS
n77(3700-3980)	30	40	664000	1@104	CP_64QAM	18.54	1.5	20.04	100.93	1000	PASS
n77(3700-3980)	30	40	664000	106@0	CP_256QAM	15.7	1.5	17.2	52.48	1000	PASS
n77(3700-3980)	30	40	664000	53@26	CP_256QAM	15.73	1.5	17.23	52.84	1000	PASS
n77(3700-3980)	30	40	664000	1@1	CP_256QAM	15.74	1.5	17.24	52.97	1000	PASS
n77(3700-3980)	30	40	664000	1@104	CP_256QAM	15.84	1.5	17.34	54.2	1000	PASS
n77(3700-3980)	30	50	648334	128@0	DFT_BPSK	21.39	1.5	22.89	194.54	1000	PASS
n77(3700-3980)	30	50	648334	64@32	DFT_BPSK	21.88	1.5	23.38	217.77	1000	PASS
n77(3700-3980)	30	50	648334	1@1	DFT_BPSK	21.63	1.5	23.13	205.59	1000	PASS
n77(3700-3980)	30	50	648334	1@131	DFT_BPSK	22	1.5	23.5	223.87	1000	PASS
n77(3700-3980)	30	50	648334	128@0	DFT_QPSK	20.9	1.5	22.4	173.78	1000	PASS
n77(3700-3980)	30	50	648334	64@32	DFT_QPSK	21.88	1.5	23.38	217.77	1000	PASS
n77(3700-3980)	30	50	648334	1@1	DFT_QPSK	21.71	1.5	23.21	209.41	1000	PASS
n77(3700-3980)	30	50	648334	1@131	DFT_QPSK	22.1	1.5	23.6	229.09	1000	PASS
n77(3700-3980)	30	50	648334	128@0	DFT_16QAM	19.89	1.5	21.39	137.72	1000	PASS
n77(3700-3980)	30	50	648334	64@32	DFT_16QAM	20.8	1.5	22.3	169.82	1000	PASS
n77(3700-3980)	30	50	648334	1@1	DFT_16QAM	20.46	1.5	21.96	157.04	1000	PASS
n77(3700-3980)	30	50	648334	1@131	DFT_16QAM	20.86	1.5	22.36	172.19	1000	PASS
n77(3700-3980)	30	50	648334	128@0	DFT_64QAM	19.35	1.5	20.85	121.62	1000	PASS
n77(3700-3980)	30	50	648334	64@32	DFT_64QAM	19.35	1.5	20.85	121.62	1000	PASS
n77(3700-3980)	30	50	648334	1@1	DFT_64QAM	19.17	1.5	20.67	116.68	1000	PASS
n77(3700-3980)	30	50	648334	1@131	DFT_64QAM	19.6	1.5	21.1	128.82	1000	PASS
n77(3700-3980)	30	50	648334	128@0	DFT_256QAM	17.39	1.5	18.89	77.45	1000	PASS
n77(3700-3980)	30	50	648334	64@32	DFT_256QAM	17.37	1.5	18.87	77.09	1000	PASS
n77(3700-3980)	30	50	648334	1@1	DFT_256QAM	17.22	1.5	18.72	74.47	1000	PASS
n77(3700-3980)	30	50	648334	1@131	DFT_256QAM	17.59	1.5	19.09	81.1	1000	PASS
n77(3700-3980)	30	50	648334	133@0	CP_QPSK	18.84	1.5	20.34	108.14	1000	PASS
n77(3700-3980)	30	50	648334	67@33	CP_QPSK	20.34	1.5	21.84	152.76	1000	PASS
n77(3700-3980)	30	50	648334	1@1	CP_QPSK	20.19	1.5	21.69	147.57	1000	PASS
n77(3700-3980)	30	50	648334	1@131	CP_QPSK	20.56	1.5	22.06	160.69	1000	PASS
n77(3700-3980)	30	50	648334	133@0	CP_16QAM	18.81	1.5	20.31	107.4	1000	PASS
n77(3700-3980)	30	50	648334	67@33	CP_16QAM	19.85	1.5	21.35	136.46	1000	PASS
n77(3700-3980)	30	50	648334	1@1	CP_16QAM	19.69	1.5	21.19	131.52	1000	PASS
n77(3700-3980)	30	50	648334	1@131	CP_16QAM	20.07	1.5	21.57	143.55	1000	PASS
n77(3700-3980)	30	50	648334	133@0	CP_64QAM	18.33	1.5	19.83	96.16	1000	PASS
n77(3700-3980)	30	50	648334	67@33	CP_64QAM	18.34	1.5	19.84	96.38	1000	PASS
n77(3700-3980)	30	50	648334	1@1	CP_64QAM	17.95	1.5	19.45	88.1	1000	PASS
n77(3700-3980)	30	50	648334	1@131	CP_64QAM	18.29	1.5	19.79	95.28	1000	PASS

n77(3700-3980)	30	50	648334	133@0	CP_256QAM	15.42	1.5	16.92	49.2	1000	PASS
n77(3700-3980)	30	50	648334	67@33	CP_256QAM	15.34	1.5	16.84	48.31	1000	PASS
n77(3700-3980)	30	50	648334	1@1	CP_256QAM	15.3	1.5	16.8	47.86	1000	PASS
n77(3700-3980)	30	50	648334	1@131	CP_256QAM	15.65	1.5	17.15	51.88	1000	PASS
n77(3700-3980)	30	50	656000	128@0	DFT_BPSK	21.58	1.5	23.08	203.24	1000	PASS
n77(3700-3980)	30	50	656000	64@32	DFT_BPSK	22.1	1.5	23.6	229.09	1000	PASS
n77(3700-3980)	30	50	656000	1@1	DFT_BPSK	21.78	1.5	23.28	212.81	1000	PASS
n77(3700-3980)	30	50	656000	1@131	DFT_BPSK	22.19	1.5	23.69	233.88	1000	PASS
n77(3700-3980)	30	50	656000	128@0	DFT_QPSK	21.11	1.5	22.61	182.39	1000	PASS
n77(3700-3980)	30	50	656000	64@32	DFT_QPSK	22.09	1.5	23.59	228.56	1000	PASS
n77(3700-3980)	30	50	656000	1@1	DFT_QPSK	21.78	1.5	23.28	212.81	1000	PASS
n77(3700-3980)	30	50	656000	1@131	DFT_QPSK	22.25	1.5	23.75	237.14	1000	PASS
n77(3700-3980)	30	50	656000	128@0	DFT_16QAM	20.08	1.5	21.58	143.88	1000	PASS
n77(3700-3980)	30	50	656000	64@32	DFT_16QAM	21.02	1.5	22.52	178.65	1000	PASS
n77(3700-3980)	30	50	656000	1@1	DFT_16QAM	20.64	1.5	22.14	163.68	1000	PASS
n77(3700-3980)	30	50	656000	1@131	DFT_16QAM	21.08	1.5	22.58	181.13	1000	PASS
n77(3700-3980)	30	50	656000	128@0	DFT_64QAM	19.57	1.5	21.07	127.94	1000	PASS
n77(3700-3980)	30	50	656000	64@32	DFT_64QAM	19.57	1.5	21.07	127.94	1000	PASS
n77(3700-3980)	30	50	656000	1@1	DFT_64QAM	19.34	1.5	20.84	121.34	1000	PASS
n77(3700-3980)	30	50	656000	1@131	DFT_64QAM	19.76	1.5	21.26	133.66	1000	PASS
n77(3700-3980)	30	50	656000	128@0	DFT_256QAM	17.59	1.5	19.09	81.1	1000	PASS
n77(3700-3980)	30	50	656000	64@32	DFT_256QAM	17.56	1.5	19.06	80.54	1000	PASS
n77(3700-3980)	30	50	656000	1@1	DFT_256QAM	17.32	1.5	18.82	76.21	1000	PASS
n77(3700-3980)	30	50	656000	1@131	DFT_256QAM	17.74	1.5	19.24	83.95	1000	PASS
n77(3700-3980)	30	50	656000	133@0	CP_QPSK	19.07	1.5	20.57	114.02	1000	PASS
n77(3700-3980)	30	50	656000	67@33	CP_QPSK	20.53	1.5	22.03	159.59	1000	PASS
n77(3700-3980)	30	50	656000	1@1	CP_QPSK	20.28	1.5	21.78	150.66	1000	PASS
n77(3700-3980)	30	50	656000	1@131	CP_QPSK	20.74	1.5	22.24	167.49	1000	PASS
n77(3700-3980)	30	50	656000	133@0	CP_16QAM	19.03	1.5	20.53	112.98	1000	PASS
n77(3700-3980)	30	50	656000	67@33	CP_16QAM	20.07	1.5	21.57	143.55	1000	PASS
n77(3700-3980)	30	50	656000	1@1	CP_16QAM	19.91	1.5	21.41	138.36	1000	PASS
n77(3700-3980)	30	50	656000	1@131	CP_16QAM	20.25	1.5	21.75	149.62	1000	PASS
n77(3700-3980)	30	50	656000	133@0	CP_64QAM	18.53	1.5	20.03	100.69	1000	PASS
n77(3700-3980)	30	50	656000	67@33	CP_64QAM	18.6	1.5	20.1	102.33	1000	PASS
n77(3700-3980)	30	50	656000	1@1	CP_64QAM	18.06	1.5	19.56	90.36	1000	PASS
n77(3700-3980)	30	50	656000	1@131	CP_64QAM	18.5	1.5	20	100	1000	PASS
n77(3700-3980)	30	50	656000	133@0	CP_256QAM	15.59	1.5	17.09	51.17	1000	PASS
n77(3700-3980)	30	50	656000	67@33	CP_256QAM	15.57	1.5	17.07	50.93	1000	PASS
n77(3700-3980)	30	50	656000	1@1	CP_256QAM	15.45	1.5	16.95	49.55	1000	PASS
n77(3700-3980)	30	50	656000	1@131	CP_256QAM	15.85	1.5	17.35	54.33	1000	PASS
n77(3700-3980)	30	50	663666	128@0	DFT_BPSK	21.7	1.5	23.2	208.93	1000	PASS
n77(3700-3980)	30	50	663666	64@32	DFT_BPSK	22.22	1.5	23.72	235.5	1000	PASS
n77(3700-3980)	30	50	663666	1@1	DFT_BPSK	21.94	1.5	23.44	220.8	1000	PASS

n77(3700-3980)	30	50	663666	1@131	DFT_BPSK	22.09	1.5	23.59	228.56	1000	PASS
n77(3700-3980)	30	50	663666	128@0	DFT_QPSK	21.18	1.5	22.68	185.35	1000	PASS
n77(3700-3980)	30	50	663666	64@32	DFT_QPSK	22.19	1.5	23.69	233.88	1000	PASS
n77(3700-3980)	30	50	663666	1@1	DFT_QPSK	22.05	1.5	23.55	226.46	1000	PASS
n77(3700-3980)	30	50	663666	1@131	DFT_QPSK	22.2	1.5	23.7	234.42	1000	PASS
n77(3700-3980)	30	50	663666	128@0	DFT_16QAM	20.2	1.5	21.7	147.91	1000	PASS
n77(3700-3980)	30	50	663666	64@32	DFT_16QAM	21.09	1.5	22.59	181.55	1000	PASS
n77(3700-3980)	30	50	663666	1@1	DFT_16QAM	20.82	1.5	22.32	170.61	1000	PASS
n77(3700-3980)	30	50	663666	1@131	DFT_16QAM	20.91	1.5	22.41	174.18	1000	PASS
n77(3700-3980)	30	50	663666	128@0	DFT_64QAM	19.71	1.5	21.21	132.13	1000	PASS
n77(3700-3980)	30	50	663666	64@32	DFT_64QAM	19.66	1.5	21.16	130.62	1000	PASS
n77(3700-3980)	30	50	663666	1@1	DFT_64QAM	19.53	1.5	21.03	126.77	1000	PASS
n77(3700-3980)	30	50	663666	1@131	DFT_64QAM	19.64	1.5	21.14	130.02	1000	PASS
n77(3700-3980)	30	50	663666	128@0	DFT_256QAM	17.69	1.5	19.19	82.99	1000	PASS
n77(3700-3980)	30	50	663666	64@32	DFT_256QAM	17.69	1.5	19.19	82.99	1000	PASS
n77(3700-3980)	30	50	663666	1@1	DFT_256QAM	17.53	1.5	19.03	79.98	1000	PASS
n77(3700-3980)	30	50	663666	1@131	DFT_256QAM	17.68	1.5	19.18	82.79	1000	PASS
n77(3700-3980)	30	50	663666	133@0	CP_QPSK	19.16	1.5	20.66	116.41	1000	PASS
n77(3700-3980)	30	50	663666	67@33	CP_QPSK	20.64	1.5	22.14	163.68	1000	PASS
n77(3700-3980)	30	50	663666	1@1	CP_QPSK	20.48	1.5	21.98	157.76	1000	PASS
n77(3700-3980)	30	50	663666	1@131	CP_QPSK	20.65	1.5	22.15	164.06	1000	PASS
n77(3700-3980)	30	50	663666	133@0	CP_16QAM	19.12	1.5	20.62	115.35	1000	PASS
n77(3700-3980)	30	50	663666	67@33	CP_16QAM	20.11	1.5	21.61	144.88	1000	PASS
n77(3700-3980)	30	50	663666	1@1	CP_16QAM	20.04	1.5	21.54	142.56	1000	PASS
n77(3700-3980)	30	50	663666	1@131	CP_16QAM	20.24	1.5	21.74	149.28	1000	PASS
n77(3700-3980)	30	50	663666	133@0	CP_64QAM	18.66	1.5	20.16	103.75	1000	PASS
n77(3700-3980)	30	50	663666	67@33	CP_64QAM	18.7	1.5	20.2	104.71	1000	PASS
n77(3700-3980)	30	50	663666	1@1	CP_64QAM	18.29	1.5	19.79	95.28	1000	PASS
n77(3700-3980)	30	50	663666	1@131	CP_64QAM	18.4	1.5	19.9	97.72	1000	PASS
n77(3700-3980)	30	50	663666	133@0	CP_256QAM	15.67	1.5	17.17	52.12	1000	PASS
n77(3700-3980)	30	50	663666	67@33	CP_256QAM	15.62	1.5	17.12	51.52	1000	PASS
n77(3700-3980)	30	50	663666	1@1	CP_256QAM	15.62	1.5	17.12	51.52	1000	PASS
n77(3700-3980)	30	50	663666	1@131	CP_256QAM	15.73	1.5	17.23	52.84	1000	PASS
n77(3700-3980)	30	60	648668	162@0	DFT_BPSK	21.37	1.5	22.87	193.64	1000	PASS
n77(3700-3980)	30	60	648668	81@40	DFT_BPSK	21.88	1.5	23.38	217.77	1000	PASS
n77(3700-3980)	30	60	648668	1@1	DFT_BPSK	21.62	1.5	23.12	205.12	1000	PASS
n77(3700-3980)	30	60	648668	1@160	DFT_BPSK	22.01	1.5	23.51	224.39	1000	PASS
n77(3700-3980)	30	60	648668	162@0	DFT_QPSK	20.85	1.5	22.35	171.79	1000	PASS
n77(3700-3980)	30	60	648668	81@40	DFT_QPSK	21.85	1.5	23.35	216.27	1000	PASS
n77(3700-3980)	30	60	648668	1@1	DFT_QPSK	21.65	1.5	23.15	206.54	1000	PASS
n77(3700-3980)	30	60	648668	1@160	DFT_QPSK	22.05	1.5	23.55	226.46	1000	PASS
n77(3700-3980)	30	60	648668	162@0	DFT_16QAM	19.87	1.5	21.37	137.09	1000	PASS
n77(3700-3980)	30	60	648668	81@40	DFT_16QAM	20.86	1.5	22.36	172.19	1000	PASS

n77(3700-3980)	30	60	648668	1@1	DFT_16QAM	20.41	1.5	21.91	155.24	1000	PASS
n77(3700-3980)	30	60	648668	1@160	DFT_16QAM	20.78	1.5	22.28	169.04	1000	PASS
n77(3700-3980)	30	60	648668	162@0	DFT_64QAM	19.37	1.5	20.87	122.18	1000	PASS
n77(3700-3980)	30	60	648668	81@40	DFT_64QAM	19.42	1.5	20.92	123.59	1000	PASS
n77(3700-3980)	30	60	648668	1@1	DFT_64QAM	19.22	1.5	20.72	118.03	1000	PASS
n77(3700-3980)	30	60	648668	1@160	DFT_64QAM	19.65	1.5	21.15	130.32	1000	PASS
n77(3700-3980)	30	60	648668	162@0	DFT_256QAM	17.37	1.5	18.87	77.09	1000	PASS
n77(3700-3980)	30	60	648668	81@40	DFT_256QAM	17.38	1.5	18.88	77.27	1000	PASS
n77(3700-3980)	30	60	648668	1@1	DFT_256QAM	17.15	1.5	18.65	73.28	1000	PASS
n77(3700-3980)	30	60	648668	1@160	DFT_256QAM	17.54	1.5	19.04	80.17	1000	PASS
n77(3700-3980)	30	60	648668	162@0	CP_QPSK	18.82	1.5	20.32	107.65	1000	PASS
n77(3700-3980)	30	60	648668	81@40	CP_QPSK	20.32	1.5	21.82	152.05	1000	PASS
n77(3700-3980)	30	60	648668	1@1	CP_QPSK	20.17	1.5	21.67	146.89	1000	PASS
n77(3700-3980)	30	60	648668	1@160	CP_QPSK	20.54	1.5	22.04	159.96	1000	PASS
n77(3700-3980)	30	60	648668	162@0	CP_16QAM	18.81	1.5	20.31	107.4	1000	PASS
n77(3700-3980)	30	60	648668	81@40	CP_16QAM	19.82	1.5	21.32	135.52	1000	PASS
n77(3700-3980)	30	60	648668	1@1	CP_16QAM	19.66	1.5	21.16	130.62	1000	PASS
n77(3700-3980)	30	60	648668	1@160	CP_16QAM	20	1.5	21.5	141.25	1000	PASS
n77(3700-3980)	30	60	648668	162@0	CP_64QAM	18.35	1.5	19.85	96.61	1000	PASS
n77(3700-3980)	30	60	648668	81@40	CP_64QAM	18.33	1.5	19.83	96.16	1000	PASS
n77(3700-3980)	30	60	648668	1@1	CP_64QAM	17.9	1.5	19.4	87.1	1000	PASS
n77(3700-3980)	30	60	648668	1@160	CP_64QAM	18.3	1.5	19.8	95.5	1000	PASS
n77(3700-3980)	30	60	648668	162@0	CP_256QAM	15.36	1.5	16.86	48.53	1000	PASS
n77(3700-3980)	30	60	648668	81@40	CP_256QAM	15.34	1.5	16.84	48.31	1000	PASS
n77(3700-3980)	30	60	648668	1@1	CP_256QAM	15.24	1.5	16.74	47.21	1000	PASS
n77(3700-3980)	30	60	648668	1@160	CP_256QAM	15.65	1.5	17.15	51.88	1000	PASS
n77(3700-3980)	30	60	656000	162@0	DFT_BPSK	21.55	1.5	23.05	201.84	1000	PASS
n77(3700-3980)	30	60	656000	81@40	DFT_BPSK	22.05	1.5	23.55	226.46	1000	PASS
n77(3700-3980)	30	60	656000	1@1	DFT_BPSK	21.66	1.5	23.16	207.01	1000	PASS
n77(3700-3980)	30	60	656000	1@160	DFT_BPSK	22.16	1.5	23.66	232.27	1000	PASS
n77(3700-3980)	30	60	656000	162@0	DFT_QPSK	21.03	1.5	22.53	179.06	1000	PASS
n77(3700-3980)	30	60	656000	81@40	DFT_QPSK	22.02	1.5	23.52	224.91	1000	PASS
n77(3700-3980)	30	60	656000	1@1	DFT_QPSK	21.74	1.5	23.24	210.86	1000	PASS
n77(3700-3980)	30	60	656000	1@160	DFT_QPSK	22.23	1.5	23.73	236.05	1000	PASS
n77(3700-3980)	30	60	656000	162@0	DFT_16QAM	20.01	1.5	21.51	141.58	1000	PASS
n77(3700-3980)	30	60	656000	81@40	DFT_16QAM	21.01	1.5	22.51	178.24	1000	PASS
n77(3700-3980)	30	60	656000	1@1	DFT_16QAM	20.52	1.5	22.02	159.22	1000	PASS
n77(3700-3980)	30	60	656000	1@160	DFT_16QAM	20.98	1.5	22.48	177.01	1000	PASS
n77(3700-3980)	30	60	656000	162@0	DFT_64QAM	19.53	1.5	21.03	126.77	1000	PASS
n77(3700-3980)	30	60	656000	81@40	DFT_64QAM	19.59	1.5	21.09	128.53	1000	PASS
n77(3700-3980)	30	60	656000	1@1	DFT_64QAM	19.3	1.5	20.8	120.23	1000	PASS
n77(3700-3980)	30	60	656000	1@160	DFT_64QAM	19.78	1.5	21.28	134.28	1000	PASS
n77(3700-3980)	30	60	656000	162@0	DFT_256QAM	17.53	1.5	19.03	79.98	1000	PASS

n77(3700-3980)	30	60	656000	81@40	DFT_256QAM	17.6	1.5	19.1	81.28	1000	PASS
n77(3700-3980)	30	60	656000	1@1	DFT_256QAM	17.23	1.5	18.73	74.64	1000	PASS
n77(3700-3980)	30	60	656000	1@160	DFT_256QAM	17.73	1.5	19.23	83.75	1000	PASS
n77(3700-3980)	30	60	656000	162@0	CP_QPSK	19.01	1.5	20.51	112.46	1000	PASS
n77(3700-3980)	30	60	656000	81@40	CP_QPSK	20.48	1.5	21.98	157.76	1000	PASS
n77(3700-3980)	30	60	656000	1@1	CP_QPSK	20.25	1.5	21.75	149.62	1000	PASS
n77(3700-3980)	30	60	656000	1@160	CP_QPSK	20.7	1.5	22.2	165.96	1000	PASS
n77(3700-3980)	30	60	656000	162@0	CP_16QAM	18.99	1.5	20.49	111.94	1000	PASS
n77(3700-3980)	30	60	656000	81@40	CP_16QAM	19.99	1.5	21.49	140.93	1000	PASS
n77(3700-3980)	30	60	656000	1@1	CP_16QAM	19.7	1.5	21.2	131.83	1000	PASS
n77(3700-3980)	30	60	656000	1@160	CP_16QAM	20.24	1.5	21.74	149.28	1000	PASS
n77(3700-3980)	30	60	656000	162@0	CP_64QAM	18.49	1.5	19.99	99.77	1000	PASS
n77(3700-3980)	30	60	656000	81@40	CP_64QAM	18.52	1.5	20.02	100.46	1000	PASS
n77(3700-3980)	30	60	656000	1@1	CP_64QAM	18.01	1.5	19.51	89.33	1000	PASS
n77(3700-3980)	30	60	656000	1@160	CP_64QAM	18.49	1.5	19.99	99.77	1000	PASS
n77(3700-3980)	30	60	656000	162@0	CP_256QAM	15.55	1.5	17.05	50.7	1000	PASS
n77(3700-3980)	30	60	656000	81@40	CP_256QAM	15.53	1.5	17.03	50.47	1000	PASS
n77(3700-3980)	30	60	656000	1@1	CP_256QAM	15.34	1.5	16.84	48.31	1000	PASS
n77(3700-3980)	30	60	656000	1@160	CP_256QAM	15.81	1.5	17.31	53.83	1000	PASS
n77(3700-3980)	30	60	663332	162@0	DFT_BPSK	21.6	1.5	23.1	204.17	1000	PASS
n77(3700-3980)	30	60	663332	81@40	DFT_BPSK	22.15	1.5	23.65	231.74	1000	PASS
n77(3700-3980)	30	60	663332	1@1	DFT_BPSK	21.83	1.5	23.33	215.28	1000	PASS
n77(3700-3980)	30	60	663332	1@160	DFT_BPSK	22.02	1.5	23.52	224.91	1000	PASS
n77(3700-3980)	30	60	663332	162@0	DFT_QPSK	21.09	1.5	22.59	181.55	1000	PASS
n77(3700-3980)	30	60	663332	81@40	DFT_QPSK	22.1	1.5	23.6	229.09	1000	PASS
n77(3700-3980)	30	60	663332	1@1	DFT_QPSK	21.95	1.5	23.45	221.31	1000	PASS
n77(3700-3980)	30	60	663332	1@160	DFT_QPSK	22.12	1.5	23.62	230.14	1000	PASS
n77(3700-3980)	30	60	663332	162@0	DFT_16QAM	20.09	1.5	21.59	144.21	1000	PASS
n77(3700-3980)	30	60	663332	81@40	DFT_16QAM	21.1	1.5	22.6	181.97	1000	PASS
n77(3700-3980)	30	60	663332	1@1	DFT_16QAM	20.69	1.5	22.19	165.58	1000	PASS
n77(3700-3980)	30	60	663332	1@160	DFT_16QAM	20.89	1.5	22.39	173.38	1000	PASS
n77(3700-3980)	30	60	663332	162@0	DFT_64QAM	19.6	1.5	21.1	128.82	1000	PASS
n77(3700-3980)	30	60	663332	81@40	DFT_64QAM	19.67	1.5	21.17	130.92	1000	PASS
n77(3700-3980)	30	60	663332	1@1	DFT_64QAM	19.42	1.5	20.92	123.59	1000	PASS
n77(3700-3980)	30	60	663332	1@160	DFT_64QAM	19.62	1.5	21.12	129.42	1000	PASS
n77(3700-3980)	30	60	663332	162@0	DFT_256QAM	17.63	1.5	19.13	81.85	1000	PASS
n77(3700-3980)	30	60	663332	81@40	DFT_256QAM	17.6	1.5	19.1	81.28	1000	PASS
n77(3700-3980)	30	60	663332	1@1	DFT_256QAM	17.44	1.5	18.94	78.34	1000	PASS
n77(3700-3980)	30	60	663332	1@160	DFT_256QAM	17.58	1.5	19.08	80.91	1000	PASS
n77(3700-3980)	30	60	663332	162@0	CP_QPSK	19.06	1.5	20.56	113.76	1000	PASS
n77(3700-3980)	30	60	663332	81@40	CP_QPSK	20.55	1.5	22.05	160.32	1000	PASS
n77(3700-3980)	30	60	663332	1@1	CP_QPSK	20.4	1.5	21.9	154.88	1000	PASS
n77(3700-3980)	30	60	663332	1@160	CP_QPSK	20.57	1.5	22.07	161.06	1000	PASS

n77(3700-3980)	30	60	663332	162@0	CP_16QAM	19.03	1.5	20.53	112.98	1000	PASS
n77(3700-3980)	30	60	663332	81@40	CP_16QAM	20.05	1.5	21.55	142.89	1000	PASS
n77(3700-3980)	30	60	663332	1@1	CP_16QAM	19.92	1.5	21.42	138.68	1000	PASS
n77(3700-3980)	30	60	663332	1@160	CP_16QAM	20.04	1.5	21.54	142.56	1000	PASS
n77(3700-3980)	30	60	663332	162@0	CP_64QAM	18.55	1.5	20.05	101.16	1000	PASS
n77(3700-3980)	30	60	663332	81@40	CP_64QAM	18.61	1.5	20.11	102.57	1000	PASS
n77(3700-3980)	30	60	663332	1@1	CP_64QAM	18.23	1.5	19.73	93.97	1000	PASS
n77(3700-3980)	30	60	663332	1@160	CP_64QAM	18.37	1.5	19.87	97.05	1000	PASS
n77(3700-3980)	30	60	663332	162@0	CP_256QAM	15.58	1.5	17.08	51.05	1000	PASS
n77(3700-3980)	30	60	663332	81@40	CP_256QAM	15.63	1.5	17.13	51.64	1000	PASS
n77(3700-3980)	30	60	663332	1@1	CP_256QAM	15.51	1.5	17.01	50.23	1000	PASS
n77(3700-3980)	30	60	663332	1@160	CP_256QAM	15.7	1.5	17.2	52.48	1000	PASS
n77(3700-3980)	30	70	649000	180@0	DFT_BPSK	21.45	1.5	22.95	197.24	1000	PASS
n77(3700-3980)	30	70	649000	90@45	DFT_BPSK	22.01	1.5	23.51	224.39	1000	PASS
n77(3700-3980)	30	70	649000	1@1	DFT_BPSK	21.69	1.5	23.19	208.45	1000	PASS
n77(3700-3980)	30	70	649000	1@187	DFT_BPSK	22.18	1.5	23.68	233.35	1000	PASS
n77(3700-3980)	30	70	649000	180@0	DFT_QPSK	20.98	1.5	22.48	177.01	1000	PASS
n77(3700-3980)	30	70	649000	90@45	DFT_QPSK	21.97	1.5	23.47	222.33	1000	PASS
n77(3700-3980)	30	70	649000	1@1	DFT_QPSK	21.76	1.5	23.26	211.84	1000	PASS
n77(3700-3980)	30	70	649000	1@187	DFT_QPSK	22.22	1.5	23.72	235.5	1000	PASS
n77(3700-3980)	30	70	649000	180@0	DFT_16QAM	19.99	1.5	21.49	140.93	1000	PASS
n77(3700-3980)	30	70	649000	90@45	DFT_16QAM	20.99	1.5	22.49	177.42	1000	PASS
n77(3700-3980)	30	70	649000	1@1	DFT_16QAM	20.57	1.5	22.07	161.06	1000	PASS
n77(3700-3980)	30	70	649000	1@187	DFT_16QAM	20.97	1.5	22.47	176.6	1000	PASS
n77(3700-3980)	30	70	649000	180@0	DFT_64QAM	19.48	1.5	20.98	125.31	1000	PASS
n77(3700-3980)	30	70	649000	90@45	DFT_64QAM	19.5	1.5	21	125.89	1000	PASS
n77(3700-3980)	30	70	649000	1@1	DFT_64QAM	19.24	1.5	20.74	118.58	1000	PASS
n77(3700-3980)	30	70	649000	1@187	DFT_64QAM	19.75	1.5	21.25	133.35	1000	PASS
n77(3700-3980)	30	70	649000	180@0	DFT_256QAM	17.52	1.5	19.02	79.8	1000	PASS
n77(3700-3980)	30	70	649000	90@45	DFT_256QAM	17.5	1.5	19	79.43	1000	PASS
n77(3700-3980)	30	70	649000	1@1	DFT_256QAM	17.22	1.5	18.72	74.47	1000	PASS
n77(3700-3980)	30	70	649000	1@187	DFT_256QAM	17.73	1.5	19.23	83.75	1000	PASS
n77(3700-3980)	30	70	649000	189@0	CP_QPSK	19.03	1.5	20.53	112.98	1000	PASS
n77(3700-3980)	30	70	649000	95@47	CP_QPSK	20.47	1.5	21.97	157.4	1000	PASS
n77(3700-3980)	30	70	649000	1@1	CP_QPSK	20.25	1.5	21.75	149.62	1000	PASS
n77(3700-3980)	30	70	649000	1@187	CP_QPSK	20.73	1.5	22.23	167.11	1000	PASS
n77(3700-3980)	30	70	649000	189@0	CP_16QAM	19.01	1.5	20.51	112.46	1000	PASS
n77(3700-3980)	30	70	649000	95@47	CP_16QAM	19.97	1.5	21.47	140.28	1000	PASS
n77(3700-3980)	30	70	649000	1@1	CP_16QAM	19.74	1.5	21.24	133.05	1000	PASS
n77(3700-3980)	30	70	649000	1@187	CP_16QAM	20.23	1.5	21.73	148.94	1000	PASS
n77(3700-3980)	30	70	649000	189@0	CP_64QAM	18.51	1.5	20.01	100.23	1000	PASS
n77(3700-3980)	30	70	649000	95@47	CP_64QAM	18.49	1.5	19.99	99.77	1000	PASS
n77(3700-3980)	30	70	649000	1@1	CP_64QAM	18	1.5	19.5	89.13	1000	PASS

n77(3700-3980)	30	70	649000	1@187	CP_64QAM	18.49	1.5	19.99	99.77	1000	PASS
n77(3700-3980)	30	70	649000	189@0	CP_256QAM	15.52	1.5	17.02	50.35	1000	PASS
n77(3700-3980)	30	70	649000	95@47	CP_256QAM	15.54	1.5	17.04	50.58	1000	PASS
n77(3700-3980)	30	70	649000	1@1	CP_256QAM	15.29	1.5	16.79	47.75	1000	PASS
n77(3700-3980)	30	70	649000	1@187	CP_256QAM	15.8	1.5	17.3	53.7	1000	PASS
n77(3700-3980)	30	70	656000	180@0	DFT_BPSK	21.53	1.5	23.03	200.91	1000	PASS
n77(3700-3980)	30	70	656000	90@45	DFT_BPSK	22.03	1.5	23.53	225.42	1000	PASS
n77(3700-3980)	30	70	656000	1@1	DFT_BPSK	21.61	1.5	23.11	204.64	1000	PASS
n77(3700-3980)	30	70	656000	1@187	DFT_BPSK	22.16	1.5	23.66	232.27	1000	PASS
n77(3700-3980)	30	70	656000	180@0	DFT_QPSK	21.01	1.5	22.51	178.24	1000	PASS
n77(3700-3980)	30	70	656000	90@45	DFT_QPSK	22.02	1.5	23.52	224.91	1000	PASS
n77(3700-3980)	30	70	656000	1@1	DFT_QPSK	21.68	1.5	23.18	207.97	1000	PASS
n77(3700-3980)	30	70	656000	1@187	DFT_QPSK	22.21	1.5	23.71	234.96	1000	PASS
n77(3700-3980)	30	70	656000	180@0	DFT_16QAM	20	1.5	21.5	141.25	1000	PASS
n77(3700-3980)	30	70	656000	90@45	DFT_16QAM	21.03	1.5	22.53	179.06	1000	PASS
n77(3700-3980)	30	70	656000	1@1	DFT_16QAM	20.43	1.5	21.93	155.96	1000	PASS
n77(3700-3980)	30	70	656000	1@187	DFT_16QAM	20.95	1.5	22.45	175.79	1000	PASS
n77(3700-3980)	30	70	656000	180@0	DFT_64QAM	19.51	1.5	21.01	126.18	1000	PASS
n77(3700-3980)	30	70	656000	90@45	DFT_64QAM	19.54	1.5	21.04	127.06	1000	PASS
n77(3700-3980)	30	70	656000	1@1	DFT_64QAM	19.21	1.5	20.71	117.76	1000	PASS
n77(3700-3980)	30	70	656000	1@187	DFT_64QAM	19.73	1.5	21.23	132.74	1000	PASS
n77(3700-3980)	30	70	656000	180@0	DFT_256QAM	17.53	1.5	19.03	79.98	1000	PASS
n77(3700-3980)	30	70	656000	90@45	DFT_256QAM	17.56	1.5	19.06	80.54	1000	PASS
n77(3700-3980)	30	70	656000	1@1	DFT_256QAM	17.14	1.5	18.64	73.11	1000	PASS
n77(3700-3980)	30	70	656000	1@187	DFT_256QAM	17.68	1.5	19.18	82.79	1000	PASS
n77(3700-3980)	30	70	656000	189@0	CP_QPSK	19.01	1.5	20.51	112.46	1000	PASS
n77(3700-3980)	30	70	656000	95@47	CP_QPSK	20.49	1.5	21.99	158.12	1000	PASS
n77(3700-3980)	30	70	656000	1@1	CP_QPSK	20.23	1.5	21.73	148.94	1000	PASS
n77(3700-3980)	30	70	656000	1@187	CP_QPSK	20.71	1.5	22.21	166.34	1000	PASS
n77(3700-3980)	30	70	656000	189@0	CP_16QAM	19	1.5	20.5	112.2	1000	PASS
n77(3700-3980)	30	70	656000	95@47	CP_16QAM	20.01	1.5	21.51	141.58	1000	PASS
n77(3700-3980)	30	70	656000	1@1	CP_16QAM	19.67	1.5	21.17	130.92	1000	PASS
n77(3700-3980)	30	70	656000	1@187	CP_16QAM	20.19	1.5	21.69	147.57	1000	PASS
n77(3700-3980)	30	70	656000	189@0	CP_64QAM	18.51	1.5	20.01	100.23	1000	PASS
n77(3700-3980)	30	70	656000	95@47	CP_64QAM	18.51	1.5	20.01	100.23	1000	PASS
n77(3700-3980)	30	70	656000	1@1	CP_64QAM	17.97	1.5	19.47	88.51	1000	PASS
n77(3700-3980)	30	70	656000	1@187	CP_64QAM	18.47	1.5	19.97	99.31	1000	PASS
n77(3700-3980)	30	70	656000	189@0	CP_256QAM	15.56	1.5	17.06	50.82	1000	PASS
n77(3700-3980)	30	70	656000	95@47	CP_256QAM	15.6	1.5	17.1	51.29	1000	PASS
n77(3700-3980)	30	70	656000	1@1	CP_256QAM	15.24	1.5	16.74	47.21	1000	PASS
n77(3700-3980)	30	70	656000	1@187	CP_256QAM	15.75	1.5	17.25	53.09	1000	PASS
n77(3700-3980)	30	70	663000	180@0	DFT_BPSK	21.7	1.5	23.2	208.93	1000	PASS
n77(3700-3980)	30	70	663000	90@45	DFT_BPSK	22.25	1.5	23.75	237.14	1000	PASS

n77(3700-3980)	30	70	663000	1@1	DFT_BPSK	21.89	1.5	23.39	218.27	1000	PASS
n77(3700-3980)	30	70	663000	1@187	DFT_BPSK	22.11	1.5	23.61	229.61	1000	PASS
n77(3700-3980)	30	70	663000	180@0	DFT_QPSK	21.2	1.5	22.7	186.21	1000	PASS
n77(3700-3980)	30	70	663000	90@45	DFT_QPSK	22.2	1.5	23.7	234.42	1000	PASS
n77(3700-3980)	30	70	663000	1@1	DFT_QPSK	21.96	1.5	23.46	221.82	1000	PASS
n77(3700-3980)	30	70	663000	1@187	DFT_QPSK	22.16	1.5	23.66	232.27	1000	PASS
n77(3700-3980)	30	70	663000	180@0	DFT_16QAM	20.16	1.5	21.66	146.55	1000	PASS
n77(3700-3980)	30	70	663000	90@45	DFT_16QAM	21.21	1.5	22.71	186.64	1000	PASS
n77(3700-3980)	30	70	663000	1@1	DFT_16QAM	20.74	1.5	22.24	167.49	1000	PASS
n77(3700-3980)	30	70	663000	1@187	DFT_16QAM	20.94	1.5	22.44	175.39	1000	PASS
n77(3700-3980)	30	70	663000	180@0	DFT_64QAM	19.68	1.5	21.18	131.22	1000	PASS
n77(3700-3980)	30	70	663000	90@45	DFT_64QAM	19.74	1.5	21.24	133.05	1000	PASS
n77(3700-3980)	30	70	663000	1@1	DFT_64QAM	19.55	1.5	21.05	127.35	1000	PASS
n77(3700-3980)	30	70	663000	1@187	DFT_64QAM	19.77	1.5	21.27	133.97	1000	PASS
n77(3700-3980)	30	70	663000	180@0	DFT_256QAM	17.7	1.5	19.2	83.18	1000	PASS
n77(3700-3980)	30	70	663000	90@45	DFT_256QAM	17.79	1.5	19.29	84.92	1000	PASS
n77(3700-3980)	30	70	663000	1@1	DFT_256QAM	17.45	1.5	18.95	78.52	1000	PASS
n77(3700-3980)	30	70	663000	1@187	DFT_256QAM	17.64	1.5	19.14	82.04	1000	PASS
n77(3700-3980)	30	70	663000	189@0	CP_QPSK	19.15	1.5	20.65	116.14	1000	PASS
n77(3700-3980)	30	70	663000	95@47	CP_QPSK	20.66	1.5	22.16	164.44	1000	PASS
n77(3700-3980)	30	70	663000	1@1	CP_QPSK	20.48	1.5	21.98	157.76	1000	PASS
n77(3700-3980)	30	70	663000	1@187	CP_QPSK	20.65	1.5	22.15	164.06	1000	PASS
n77(3700-3980)	30	70	663000	189@0	CP_16QAM	19.14	1.5	20.64	115.88	1000	PASS
n77(3700-3980)	30	70	663000	95@47	CP_16QAM	20.18	1.5	21.68	147.23	1000	PASS
n77(3700-3980)	30	70	663000	1@1	CP_16QAM	19.93	1.5	21.43	139	1000	PASS
n77(3700-3980)	30	70	663000	1@187	CP_16QAM	20.14	1.5	21.64	145.88	1000	PASS
n77(3700-3980)	30	70	663000	189@0	CP_64QAM	18.66	1.5	20.16	103.75	1000	PASS
n77(3700-3980)	30	70	663000	95@47	CP_64QAM	18.72	1.5	20.22	105.2	1000	PASS
n77(3700-3980)	30	70	663000	1@1	CP_64QAM	18.26	1.5	19.76	94.62	1000	PASS
n77(3700-3980)	30	70	663000	1@187	CP_64QAM	18.47	1.5	19.97	99.31	1000	PASS
n77(3700-3980)	30	70	663000	189@0	CP_256QAM	15.67	1.5	17.17	52.12	1000	PASS
n77(3700-3980)	30	70	663000	95@47	CP_256QAM	15.71	1.5	17.21	52.6	1000	PASS
n77(3700-3980)	30	70	663000	1@1	CP_256QAM	15.53	1.5	17.03	50.47	1000	PASS
n77(3700-3980)	30	70	663000	1@187	CP_256QAM	15.77	1.5	17.27	53.33	1000	PASS
n77(3700-3980)	30	80	649334	216@0	DFT_BPSK	21.52	1.5	23.02	200.45	1000	PASS
n77(3700-3980)	30	80	649334	108@54	DFT_BPSK	22.01	1.5	23.51	224.39	1000	PASS
n77(3700-3980)	30	80	649334	1@1	DFT_BPSK	21.69	1.5	23.19	208.45	1000	PASS
n77(3700-3980)	30	80	649334	1@215	DFT_BPSK	22.19	1.5	23.69	233.88	1000	PASS
n77(3700-3980)	30	80	649334	216@0	DFT_QPSK	21.01	1.5	22.51	178.24	1000	PASS
n77(3700-3980)	30	80	649334	108@54	DFT_QPSK	22	1.5	23.5	223.87	1000	PASS
n77(3700-3980)	30	80	649334	1@1	DFT_QPSK	21.71	1.5	23.21	209.41	1000	PASS
n77(3700-3980)	30	80	649334	1@215	DFT_QPSK	22.23	1.5	23.73	236.05	1000	PASS
n77(3700-3980)	30	80	649334	216@0	DFT_16QAM	19.99	1.5	21.49	140.93	1000	PASS