

Appendix A: Test Results - n77(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	20.14	-1.6	18.54	71.45	1000	PASS
n77(3700-3980)	30	10	647000	12@6	DFT_BPSK	20.67	-1.6	19.07	80.72	1000	PASS
n77(3700-3980)	30	10	647000	1@1	DFT_BPSK	20.64	-1.6	19.04	80.17	1000	PASS
n77(3700-3980)	30	10	647000	1@22	DFT_BPSK	20.6	-1.6	19	79.43	1000	PASS
n77(3700-3980)	30	10	647000	24@0	DFT_QPSK	19.64	-1.6	18.04	63.68	1000	PASS
n77(3700-3980)	30	10	647000	12@6	DFT_QPSK	20.67	-1.6	19.07	80.72	1000	PASS
n77(3700-3980)	30	10	647000	1@1	DFT_QPSK	20.55	-1.6	18.95	78.52	1000	PASS
n77(3700-3980)	30	10	647000	1@22	DFT_QPSK	20.54	-1.6	18.94	78.34	1000	PASS
n77(3700-3980)	30	10	647000	24@0	DFT_16QAM	18.82	-1.6	17.22	52.72	1000	PASS
n77(3700-3980)	30	10	647000	12@6	DFT_16QAM	19.66	-1.6	18.06	63.97	1000	PASS
n77(3700-3980)	30	10	647000	1@1	DFT_16QAM	19.52	-1.6	17.92	61.94	1000	PASS
n77(3700-3980)	30	10	647000	1@22	DFT_16QAM	19.5	-1.6	17.9	61.66	1000	PASS
n77(3700-3980)	30	10	647000	24@0	DFT_64QAM	18.24	-1.6	16.64	46.13	1000	PASS
n77(3700-3980)	30	10	647000	12@6	DFT_64QAM	18.25	-1.6	16.65	46.24	1000	PASS
n77(3700-3980)	30	10	647000	1@1	DFT_64QAM	17.92	-1.6	16.32	42.85	1000	PASS
n77(3700-3980)	30	10	647000	1@22	DFT_64QAM	17.93	-1.6	16.33	42.95	1000	PASS
n77(3700-3980)	30	10	647000	24@0	DFT_256QAM	16.3	-1.6	14.7	29.51	1000	PASS
n77(3700-3980)	30	10	647000	12@6	DFT_256QAM	16.3	-1.6	14.7	29.51	1000	PASS
n77(3700-3980)	30	10	647000	1@1	DFT_256QAM	16.13	-1.6	14.53	28.38	1000	PASS
n77(3700-3980)	30	10	647000	1@22	DFT_256QAM	16.1	-1.6	14.5	28.18	1000	PASS
n77(3700-3980)	30	10	647000	24@0	CP_QPSK	17.76	-1.6	16.16	41.3	1000	PASS
n77(3700-3980)	30	10	647000	12@6	CP_QPSK	19.29	-1.6	17.69	58.75	1000	PASS
n77(3700-3980)	30	10	647000	1@1	CP_QPSK	19.36	-1.6	17.76	59.7	1000	PASS
n77(3700-3980)	30	10	647000	1@22	CP_QPSK	19.34	-1.6	17.74	59.43	1000	PASS
n77(3700-3980)	30	10	647000	24@0	CP_16QAM	17.76	-1.6	16.16	41.3	1000	PASS
n77(3700-3980)	30	10	647000	12@6	CP_16QAM	18.88	-1.6	17.28	53.46	1000	PASS
n77(3700-3980)	30	10	647000	1@1	CP_16QAM	18.75	-1.6	17.15	51.88	1000	PASS
n77(3700-3980)	30	10	647000	1@22	CP_16QAM	18.76	-1.6	17.16	52	1000	PASS
n77(3700-3980)	30	10	647000	24@0	CP_64QAM	17.24	-1.6	15.64	36.64	1000	PASS
n77(3700-3980)	30	10	647000	12@6	CP_64QAM	17.29	-1.6	15.69	37.07	1000	PASS
n77(3700-3980)	30	10	647000	1@1	CP_64QAM	17.33	-1.6	15.73	37.41	1000	PASS
n77(3700-3980)	30	10	647000	1@22	CP_64QAM	17.33	-1.6	15.73	37.41	1000	PASS
n77(3700-3980)	30	10	647000	24@0	CP_256QAM	14.23	-1.6	12.63	18.32	1000	PASS
n77(3700-3980)	30	10	647000	12@6	CP_256QAM	14.28	-1.6	12.68	18.54	1000	PASS

n77(3700-3980)	30	10	647000	1@1	CP_256QAM	14.18	-1.6	12.58	18.11	1000	PASS
n77(3700-3980)	30	10	647000	1@22	CP_256QAM	14.16	-1.6	12.56	18.03	1000	PASS
n77(3700-3980)	30	10	656000	24@0	DFT_BPSK	20.05	-1.6	18.45	69.98	1000	PASS
n77(3700-3980)	30	10	656000	12@6	DFT_BPSK	20.55	-1.6	18.95	78.52	1000	PASS
n77(3700-3980)	30	10	656000	1@1	DFT_BPSK	20.46	-1.6	18.86	76.91	1000	PASS
n77(3700-3980)	30	10	656000	1@22	DFT_BPSK	20.58	-1.6	18.98	79.07	1000	PASS
n77(3700-3980)	30	10	656000	24@0	DFT_QPSK	19.58	-1.6	17.98	62.81	1000	PASS
n77(3700-3980)	30	10	656000	12@6	DFT_QPSK	20.58	-1.6	18.98	79.07	1000	PASS
n77(3700-3980)	30	10	656000	1@1	DFT_QPSK	20.42	-1.6	18.82	76.21	1000	PASS
n77(3700-3980)	30	10	656000	1@22	DFT_QPSK	20.5	-1.6	18.9	77.62	1000	PASS
n77(3700-3980)	30	10	656000	24@0	DFT_16QAM	18.64	-1.6	17.04	50.58	1000	PASS
n77(3700-3980)	30	10	656000	12@6	DFT_16QAM	19.55	-1.6	17.95	62.37	1000	PASS
n77(3700-3980)	30	10	656000	1@1	DFT_16QAM	19.36	-1.6	17.76	59.7	1000	PASS
n77(3700-3980)	30	10	656000	1@22	DFT_16QAM	19.43	-1.6	17.83	60.67	1000	PASS
n77(3700-3980)	30	10	656000	24@0	DFT_64QAM	18.19	-1.6	16.59	45.6	1000	PASS
n77(3700-3980)	30	10	656000	12@6	DFT_64QAM	18.19	-1.6	16.59	45.6	1000	PASS
n77(3700-3980)	30	10	656000	1@1	DFT_64QAM	17.86	-1.6	16.26	42.27	1000	PASS
n77(3700-3980)	30	10	656000	1@22	DFT_64QAM	18	-1.6	16.4	43.65	1000	PASS
n77(3700-3980)	30	10	656000	24@0	DFT_256QAM	16.14	-1.6	14.54	28.44	1000	PASS
n77(3700-3980)	30	10	656000	12@6	DFT_256QAM	16.19	-1.6	14.59	28.77	1000	PASS
n77(3700-3980)	30	10	656000	1@1	DFT_256QAM	16.08	-1.6	14.48	28.05	1000	PASS
n77(3700-3980)	30	10	656000	1@22	DFT_256QAM	16.2	-1.6	14.6	28.84	1000	PASS
n77(3700-3980)	30	10	656000	24@0	CP_QPSK	17.67	-1.6	16.07	40.46	1000	PASS
n77(3700-3980)	30	10	656000	12@6	CP_QPSK	19.05	-1.6	17.45	55.59	1000	PASS
n77(3700-3980)	30	10	656000	1@1	CP_QPSK	18.99	-1.6	17.39	54.83	1000	PASS
n77(3700-3980)	30	10	656000	1@22	CP_QPSK	19.06	-1.6	17.46	55.72	1000	PASS
n77(3700-3980)	30	10	656000	24@0	CP_16QAM	17.68	-1.6	16.08	40.55	1000	PASS
n77(3700-3980)	30	10	656000	12@6	CP_16QAM	18.78	-1.6	17.18	52.24	1000	PASS
n77(3700-3980)	30	10	656000	1@1	CP_16QAM	18.77	-1.6	17.17	52.12	1000	PASS
n77(3700-3980)	30	10	656000	1@22	CP_16QAM	18.84	-1.6	17.24	52.97	1000	PASS
n77(3700-3980)	30	10	656000	24@0	CP_64QAM	17.17	-1.6	15.57	36.06	1000	PASS
n77(3700-3980)	30	10	656000	12@6	CP_64QAM	17.22	-1.6	15.62	36.48	1000	PASS
n77(3700-3980)	30	10	656000	1@1	CP_64QAM	17.22	-1.6	15.62	36.48	1000	PASS
n77(3700-3980)	30	10	656000	1@22	CP_64QAM	17.32	-1.6	15.72	37.33	1000	PASS
n77(3700-3980)	30	10	656000	24@0	CP_256QAM	14.2	-1.6	12.6	18.2	1000	PASS
n77(3700-3980)	30	10	656000	12@6	CP_256QAM	14.15	-1.6	12.55	17.99	1000	PASS
n77(3700-3980)	30	10	656000	1@1	CP_256QAM	14.06	-1.6	12.46	17.62	1000	PASS
n77(3700-3980)	30	10	656000	1@22	CP_256QAM	14.14	-1.6	12.54	17.95	1000	PASS
n77(3700-3980)	30	10	665000	24@0	DFT_BPSK	20.46	-1.6	18.86	76.91	1000	PASS
n77(3700-3980)	30	10	665000	12@6	DFT_BPSK	21.01	-1.6	19.41	87.3	1000	PASS
n77(3700-3980)	30	10	665000	1@1	DFT_BPSK	20.82	-1.6	19.22	83.56	1000	PASS
n77(3700-3980)	30	10	665000	1@22	DFT_BPSK	21.01	-1.6	19.41	87.3	1000	PASS
n77(3700-3980)	30	10	665000	24@0	DFT_QPSK	19.96	-1.6	18.36	68.55	1000	PASS

n77(3700-3980)	30	10	665000	12@6	DFT_QPSK	20.99	-1.6	19.39	86.9	1000	PASS
n77(3700-3980)	30	10	665000	1@1	DFT_QPSK	20.8	-1.6	19.2	83.18	1000	PASS
n77(3700-3980)	30	10	665000	1@22	DFT_QPSK	20.94	-1.6	19.34	85.9	1000	PASS
n77(3700-3980)	30	10	665000	24@0	DFT_16QAM	18.88	-1.6	17.28	53.46	1000	PASS
n77(3700-3980)	30	10	665000	12@6	DFT_16QAM	19.97	-1.6	18.37	68.71	1000	PASS
n77(3700-3980)	30	10	665000	1@1	DFT_16QAM	19.73	-1.6	18.13	65.01	1000	PASS
n77(3700-3980)	30	10	665000	1@22	DFT_16QAM	19.88	-1.6	18.28	67.3	1000	PASS
n77(3700-3980)	30	10	665000	24@0	DFT_64QAM	18.4	-1.6	16.8	47.86	1000	PASS
n77(3700-3980)	30	10	665000	12@6	DFT_64QAM	18.2	-1.6	16.6	45.71	1000	PASS
n77(3700-3980)	30	10	665000	1@1	DFT_64QAM	18.11	-1.6	16.51	44.77	1000	PASS
n77(3700-3980)	30	10	665000	1@22	DFT_64QAM	18.32	-1.6	16.72	46.99	1000	PASS
n77(3700-3980)	30	10	665000	24@0	DFT_256QAM	16.59	-1.6	14.99	31.55	1000	PASS
n77(3700-3980)	30	10	665000	12@6	DFT_256QAM	16.61	-1.6	15.01	31.7	1000	PASS
n77(3700-3980)	30	10	665000	1@1	DFT_256QAM	16.42	-1.6	14.82	30.34	1000	PASS
n77(3700-3980)	30	10	665000	1@22	DFT_256QAM	16.63	-1.6	15.03	31.84	1000	PASS
n77(3700-3980)	30	10	665000	24@0	CP_QPSK	18.09	-1.6	16.49	44.57	1000	PASS
n77(3700-3980)	30	10	665000	12@6	CP_QPSK	19.49	-1.6	17.89	61.52	1000	PASS
n77(3700-3980)	30	10	665000	1@1	CP_QPSK	19.28	-1.6	17.68	58.61	1000	PASS
n77(3700-3980)	30	10	665000	1@22	CP_QPSK	19.44	-1.6	17.84	60.81	1000	PASS
n77(3700-3980)	30	10	665000	24@0	CP_16QAM	18.12	-1.6	16.52	44.87	1000	PASS
n77(3700-3980)	30	10	665000	12@6	CP_16QAM	19.01	-1.6	17.41	55.08	1000	PASS
n77(3700-3980)	30	10	665000	1@1	CP_16QAM	18.97	-1.6	17.37	54.58	1000	PASS
n77(3700-3980)	30	10	665000	1@22	CP_16QAM	19.1	-1.6	17.5	56.23	1000	PASS
n77(3700-3980)	30	10	665000	24@0	CP_64QAM	17.56	-1.6	15.96	39.45	1000	PASS
n77(3700-3980)	30	10	665000	12@6	CP_64QAM	17.57	-1.6	15.97	39.54	1000	PASS
n77(3700-3980)	30	10	665000	1@1	CP_64QAM	17.54	-1.6	15.94	39.26	1000	PASS
n77(3700-3980)	30	10	665000	1@22	CP_64QAM	17.7	-1.6	16.1	40.74	1000	PASS
n77(3700-3980)	30	10	665000	24@0	CP_256QAM	14.56	-1.6	12.96	19.77	1000	PASS
n77(3700-3980)	30	10	665000	12@6	CP_256QAM	14.58	-1.6	12.98	19.86	1000	PASS
n77(3700-3980)	30	10	665000	1@1	CP_256QAM	14.41	-1.6	12.81	19.1	1000	PASS
n77(3700-3980)	30	10	665000	1@22	CP_256QAM	14.56	-1.6	12.96	19.77	1000	PASS
n77(3700-3980)	30	15	647168	36@0	DFT_BPSK	20.13	-1.6	18.53	71.29	1000	PASS
n77(3700-3980)	30	15	647168	18@9	DFT_BPSK	20.69	-1.6	19.09	81.1	1000	PASS
n77(3700-3980)	30	15	647168	1@1	DFT_BPSK	20.59	-1.6	18.99	79.25	1000	PASS
n77(3700-3980)	30	15	647168	1@36	DFT_BPSK	20.56	-1.6	18.96	78.7	1000	PASS
n77(3700-3980)	30	15	647168	36@0	DFT_QPSK	19.62	-1.6	18.02	63.39	1000	PASS
n77(3700-3980)	30	15	647168	18@9	DFT_QPSK	20.69	-1.6	19.09	81.1	1000	PASS
n77(3700-3980)	30	15	647168	1@1	DFT_QPSK	20.5	-1.6	18.9	77.62	1000	PASS
n77(3700-3980)	30	15	647168	1@36	DFT_QPSK	20.49	-1.6	18.89	77.45	1000	PASS
n77(3700-3980)	30	15	647168	36@0	DFT_16QAM	18.75	-1.6	17.15	51.88	1000	PASS
n77(3700-3980)	30	15	647168	18@9	DFT_16QAM	19.76	-1.6	18.16	65.46	1000	PASS
n77(3700-3980)	30	15	647168	1@1	DFT_16QAM	19.49	-1.6	17.89	61.52	1000	PASS
n77(3700-3980)	30	15	647168	1@36	DFT_16QAM	19.45	-1.6	17.85	60.95	1000	PASS

n77(3700-3980)	30	15	647168	36@0	DFT_64QAM	18.31	-1.6	16.71	46.88	1000	PASS
n77(3700-3980)	30	15	647168	18@9	DFT_64QAM	18.34	-1.6	16.74	47.21	1000	PASS
n77(3700-3980)	30	15	647168	1@1	DFT_64QAM	17.97	-1.6	16.37	43.35	1000	PASS
n77(3700-3980)	30	15	647168	1@36	DFT_64QAM	18.01	-1.6	16.41	43.75	1000	PASS
n77(3700-3980)	30	15	647168	36@0	DFT_256QAM	16.25	-1.6	14.65	29.17	1000	PASS
n77(3700-3980)	30	15	647168	18@9	DFT_256QAM	16.27	-1.6	14.67	29.31	1000	PASS
n77(3700-3980)	30	15	647168	1@1	DFT_256QAM	16.3	-1.6	14.7	29.51	1000	PASS
n77(3700-3980)	30	15	647168	1@36	DFT_256QAM	16.18	-1.6	14.58	28.71	1000	PASS
n77(3700-3980)	30	15	647168	38@0	CP_QPSK	17.75	-1.6	16.15	41.21	1000	PASS
n77(3700-3980)	30	15	647168	19@9	CP_QPSK	19.29	-1.6	17.69	58.75	1000	PASS
n77(3700-3980)	30	15	647168	1@1	CP_QPSK	19.16	-1.6	17.56	57.02	1000	PASS
n77(3700-3980)	30	15	647168	1@36	CP_QPSK	19.18	-1.6	17.58	57.28	1000	PASS
n77(3700-3980)	30	15	647168	38@0	CP_16QAM	17.74	-1.6	16.14	41.11	1000	PASS
n77(3700-3980)	30	15	647168	19@9	CP_16QAM	18.8	-1.6	17.2	52.48	1000	PASS
n77(3700-3980)	30	15	647168	1@1	CP_16QAM	18.82	-1.6	17.22	52.72	1000	PASS
n77(3700-3980)	30	15	647168	1@36	CP_16QAM	18.81	-1.6	17.21	52.6	1000	PASS
n77(3700-3980)	30	15	647168	38@0	CP_64QAM	17.27	-1.6	15.67	36.9	1000	PASS
n77(3700-3980)	30	15	647168	19@9	CP_64QAM	17.24	-1.6	15.64	36.64	1000	PASS
n77(3700-3980)	30	15	647168	1@1	CP_64QAM	17.29	-1.6	15.69	37.07	1000	PASS
n77(3700-3980)	30	15	647168	1@36	CP_64QAM	17.31	-1.6	15.71	37.24	1000	PASS
n77(3700-3980)	30	15	647168	38@0	CP_256QAM	14.2	-1.6	12.6	18.2	1000	PASS
n77(3700-3980)	30	15	647168	19@9	CP_256QAM	14.2	-1.6	12.6	18.2	1000	PASS
n77(3700-3980)	30	15	647168	1@1	CP_256QAM	14.1	-1.6	12.5	17.78	1000	PASS
n77(3700-3980)	30	15	647168	1@36	CP_256QAM	14.14	-1.6	12.54	17.95	1000	PASS
n77(3700-3980)	30	15	656000	36@0	DFT_BPSK	20.04	-1.6	18.44	69.82	1000	PASS
n77(3700-3980)	30	15	656000	18@9	DFT_BPSK	20.59	-1.6	18.99	79.25	1000	PASS
n77(3700-3980)	30	15	656000	1@1	DFT_BPSK	20.41	-1.6	18.81	76.03	1000	PASS
n77(3700-3980)	30	15	656000	1@36	DFT_BPSK	20.6	-1.6	19	79.43	1000	PASS
n77(3700-3980)	30	15	656000	36@0	DFT_QPSK	19.55	-1.6	17.95	62.37	1000	PASS
n77(3700-3980)	30	15	656000	18@9	DFT_QPSK	20.59	-1.6	18.99	79.25	1000	PASS
n77(3700-3980)	30	15	656000	1@1	DFT_QPSK	20.38	-1.6	18.78	75.51	1000	PASS
n77(3700-3980)	30	15	656000	1@36	DFT_QPSK	20.51	-1.6	18.91	77.8	1000	PASS
n77(3700-3980)	30	15	656000	36@0	DFT_16QAM	18.69	-1.6	17.09	51.17	1000	PASS
n77(3700-3980)	30	15	656000	18@9	DFT_16QAM	19.67	-1.6	18.07	64.12	1000	PASS
n77(3700-3980)	30	15	656000	1@1	DFT_16QAM	19.24	-1.6	17.64	58.08	1000	PASS
n77(3700-3980)	30	15	656000	1@36	DFT_16QAM	19.39	-1.6	17.79	60.12	1000	PASS
n77(3700-3980)	30	15	656000	36@0	DFT_64QAM	18.23	-1.6	16.63	46.03	1000	PASS
n77(3700-3980)	30	15	656000	18@9	DFT_64QAM	17.4	-1.6	15.8	38.02	1000	PASS
n77(3700-3980)	30	15	656000	1@1	DFT_64QAM	17.84	-1.6	16.24	42.07	1000	PASS
n77(3700-3980)	30	15	656000	1@36	DFT_64QAM	17.98	-1.6	16.38	43.45	1000	PASS
n77(3700-3980)	30	15	656000	36@0	DFT_256QAM	16.17	-1.6	14.57	28.64	1000	PASS
n77(3700-3980)	30	15	656000	18@9	DFT_256QAM	16.19	-1.6	14.59	28.77	1000	PASS
n77(3700-3980)	30	15	656000	1@1	DFT_256QAM	16.01	-1.6	14.41	27.61	1000	PASS

n77(3700-3980)	30	15	656000	1@36	DFT_256QAM	16.18	-1.6	14.58	28.71	1000	PASS
n77(3700-3980)	30	15	656000	38@0	CP_QPSK	17.69	-1.6	16.09	40.64	1000	PASS
n77(3700-3980)	30	15	656000	19@9	CP_QPSK	19.02	-1.6	17.42	55.21	1000	PASS
n77(3700-3980)	30	15	656000	1@1	CP_QPSK	18.9	-1.6	17.3	53.7	1000	PASS
n77(3700-3980)	30	15	656000	1@36	CP_QPSK	19.05	-1.6	17.45	55.59	1000	PASS
n77(3700-3980)	30	15	656000	38@0	CP_16QAM	17.7	-1.6	16.1	40.74	1000	PASS
n77(3700-3980)	30	15	656000	19@9	CP_16QAM	18.71	-1.6	17.11	51.4	1000	PASS
n77(3700-3980)	30	15	656000	1@1	CP_16QAM	18.71	-1.6	17.11	51.4	1000	PASS
n77(3700-3980)	30	15	656000	1@36	CP_16QAM	18.87	-1.6	17.27	53.33	1000	PASS
n77(3700-3980)	30	15	656000	38@0	CP_64QAM	17.17	-1.6	15.57	36.06	1000	PASS
n77(3700-3980)	30	15	656000	19@9	CP_64QAM	17.18	-1.6	15.58	36.14	1000	PASS
n77(3700-3980)	30	15	656000	1@1	CP_64QAM	17.14	-1.6	15.54	35.81	1000	PASS
n77(3700-3980)	30	15	656000	1@36	CP_64QAM	17.3	-1.6	15.7	37.15	1000	PASS
n77(3700-3980)	30	15	656000	38@0	CP_256QAM	14.12	-1.6	12.52	17.86	1000	PASS
n77(3700-3980)	30	15	656000	19@9	CP_256QAM	14.11	-1.6	12.51	17.82	1000	PASS
n77(3700-3980)	30	15	656000	1@1	CP_256QAM	14	-1.6	12.4	17.38	1000	PASS
n77(3700-3980)	30	15	656000	1@36	CP_256QAM	14.13	-1.6	12.53	17.91	1000	PASS
n77(3700-3980)	30	15	664832	36@0	DFT_BPSK	20.39	-1.6	18.79	75.68	1000	PASS
n77(3700-3980)	30	15	664832	18@9	DFT_BPSK	20.93	-1.6	19.33	85.7	1000	PASS
n77(3700-3980)	30	15	664832	1@1	DFT_BPSK	20.73	-1.6	19.13	81.85	1000	PASS
n77(3700-3980)	30	15	664832	1@36	DFT_BPSK	20.94	-1.6	19.34	85.9	1000	PASS
n77(3700-3980)	30	15	664832	36@0	DFT_QPSK	19.89	-1.6	18.29	67.45	1000	PASS
n77(3700-3980)	30	15	664832	18@9	DFT_QPSK	20.97	-1.6	19.37	86.5	1000	PASS
n77(3700-3980)	30	15	664832	1@1	DFT_QPSK	20.67	-1.6	19.07	80.72	1000	PASS
n77(3700-3980)	30	15	664832	1@36	DFT_QPSK	20.89	-1.6	19.29	84.92	1000	PASS
n77(3700-3980)	30	15	664832	36@0	DFT_16QAM	18.85	-1.6	17.25	53.09	1000	PASS
n77(3700-3980)	30	15	664832	18@9	DFT_16QAM	19.99	-1.6	18.39	69.02	1000	PASS
n77(3700-3980)	30	15	664832	1@1	DFT_16QAM	19.57	-1.6	17.97	62.66	1000	PASS
n77(3700-3980)	30	15	664832	1@36	DFT_16QAM	19.8	-1.6	18.2	66.07	1000	PASS
n77(3700-3980)	30	15	664832	36@0	DFT_64QAM	18.41	-1.6	16.81	47.97	1000	PASS
n77(3700-3980)	30	15	664832	18@9	DFT_64QAM	18.4	-1.6	16.8	47.86	1000	PASS
n77(3700-3980)	30	15	664832	1@1	DFT_64QAM	18	-1.6	16.4	43.65	1000	PASS
n77(3700-3980)	30	15	664832	1@36	DFT_64QAM	18.23	-1.6	16.63	46.03	1000	PASS
n77(3700-3980)	30	15	664832	36@0	DFT_256QAM	16.3	-1.6	14.7	29.51	1000	PASS
n77(3700-3980)	30	15	664832	18@9	DFT_256QAM	16.52	-1.6	14.92	31.05	1000	PASS
n77(3700-3980)	30	15	664832	1@1	DFT_256QAM	16.37	-1.6	14.77	29.99	1000	PASS
n77(3700-3980)	30	15	664832	1@36	DFT_256QAM	16.57	-1.6	14.97	31.41	1000	PASS
n77(3700-3980)	30	15	664832	38@0	CP_QPSK	18.01	-1.6	16.41	43.75	1000	PASS
n77(3700-3980)	30	15	664832	19@9	CP_QPSK	19.39	-1.6	17.79	60.12	1000	PASS
n77(3700-3980)	30	15	664832	1@1	CP_QPSK	19.16	-1.6	17.56	57.02	1000	PASS
n77(3700-3980)	30	15	664832	1@36	CP_QPSK	19.39	-1.6	17.79	60.12	1000	PASS
n77(3700-3980)	30	15	664832	38@0	CP_16QAM	18.02	-1.6	16.42	43.85	1000	PASS
n77(3700-3980)	30	15	664832	19@9	CP_16QAM	18.89	-1.6	17.29	53.58	1000	PASS

n77(3700-3980)	30	15	664832	1@1	CP_16QAM	18.83	-1.6	17.23	52.84	1000	PASS
n77(3700-3980)	30	15	664832	1@36	CP_16QAM	19.01	-1.6	17.41	55.08	1000	PASS
n77(3700-3980)	30	15	664832	38@0	CP_64QAM	17.52	-1.6	15.92	39.08	1000	PASS
n77(3700-3980)	30	15	664832	19@9	CP_64QAM	17.51	-1.6	15.91	38.99	1000	PASS
n77(3700-3980)	30	15	664832	1@1	CP_64QAM	17.47	-1.6	15.87	38.64	1000	PASS
n77(3700-3980)	30	15	664832	1@36	CP_64QAM	17.67	-1.6	16.07	40.46	1000	PASS
n77(3700-3980)	30	15	664832	38@0	CP_256QAM	14.49	-1.6	12.89	19.45	1000	PASS
n77(3700-3980)	30	15	664832	19@9	CP_256QAM	14.47	-1.6	12.87	19.36	1000	PASS
n77(3700-3980)	30	15	664832	1@1	CP_256QAM	14.3	-1.6	12.7	18.62	1000	PASS
n77(3700-3980)	30	15	664832	1@36	CP_256QAM	14.48	-1.6	12.88	19.41	1000	PASS
n77(3700-3980)	30	20	647334	50@0	DFT_BPSK	20.12	-1.6	18.52	71.12	1000	PASS
n77(3700-3980)	30	20	647334	25@12	DFT_BPSK	20.62	-1.6	19.02	79.8	1000	PASS
n77(3700-3980)	30	20	647334	1@1	DFT_BPSK	20.53	-1.6	18.93	78.16	1000	PASS
n77(3700-3980)	30	20	647334	1@49	DFT_BPSK	20.52	-1.6	18.92	77.98	1000	PASS
n77(3700-3980)	30	20	647334	50@0	DFT_QPSK	19.61	-1.6	18.01	63.24	1000	PASS
n77(3700-3980)	30	20	647334	25@12	DFT_QPSK	20.62	-1.6	19.02	79.8	1000	PASS
n77(3700-3980)	30	20	647334	1@1	DFT_QPSK	20.44	-1.6	18.84	76.56	1000	PASS
n77(3700-3980)	30	20	647334	1@49	DFT_QPSK	20.47	-1.6	18.87	77.09	1000	PASS
n77(3700-3980)	30	20	647334	50@0	DFT_16QAM	18.81	-1.6	17.21	52.6	1000	PASS
n77(3700-3980)	30	20	647334	25@12	DFT_16QAM	19.56	-1.6	17.96	62.52	1000	PASS
n77(3700-3980)	30	20	647334	1@1	DFT_16QAM	19.37	-1.6	17.77	59.84	1000	PASS
n77(3700-3980)	30	20	647334	1@49	DFT_16QAM	19.35	-1.6	17.75	59.57	1000	PASS
n77(3700-3980)	30	20	647334	50@0	DFT_64QAM	18.24	-1.6	16.64	46.13	1000	PASS
n77(3700-3980)	30	20	647334	25@12	DFT_64QAM	18.28	-1.6	16.68	46.56	1000	PASS
n77(3700-3980)	30	20	647334	1@1	DFT_64QAM	17.94	-1.6	16.34	43.05	1000	PASS
n77(3700-3980)	30	20	647334	1@49	DFT_64QAM	17.91	-1.6	16.31	42.76	1000	PASS
n77(3700-3980)	30	20	647334	50@0	DFT_256QAM	16.2	-1.6	14.6	28.84	1000	PASS
n77(3700-3980)	30	20	647334	25@12	DFT_256QAM	16.18	-1.6	14.58	28.71	1000	PASS
n77(3700-3980)	30	20	647334	1@1	DFT_256QAM	16.12	-1.6	14.52	28.31	1000	PASS
n77(3700-3980)	30	20	647334	1@49	DFT_256QAM	16.08	-1.6	14.48	28.05	1000	PASS
n77(3700-3980)	30	20	647334	51@0	CP_QPSK	17.74	-1.6	16.14	41.11	1000	PASS
n77(3700-3980)	30	20	647334	25@12	CP_QPSK	19.27	-1.6	17.67	58.48	1000	PASS
n77(3700-3980)	30	20	647334	1@1	CP_QPSK	19.09	-1.6	17.49	56.1	1000	PASS
n77(3700-3980)	30	20	647334	1@49	CP_QPSK	19.09	-1.6	17.49	56.1	1000	PASS
n77(3700-3980)	30	20	647334	51@0	CP_16QAM	17.75	-1.6	16.15	41.21	1000	PASS
n77(3700-3980)	30	20	647334	25@12	CP_16QAM	18.74	-1.6	17.14	51.76	1000	PASS
n77(3700-3980)	30	20	647334	1@1	CP_16QAM	18.76	-1.6	17.16	52	1000	PASS
n77(3700-3980)	30	20	647334	1@49	CP_16QAM	18.7	-1.6	17.1	51.29	1000	PASS
n77(3700-3980)	30	20	647334	51@0	CP_64QAM	17.25	-1.6	15.65	36.73	1000	PASS
n77(3700-3980)	30	20	647334	25@12	CP_64QAM	17.25	-1.6	15.65	36.73	1000	PASS
n77(3700-3980)	30	20	647334	1@1	CP_64QAM	17.22	-1.6	15.62	36.48	1000	PASS
n77(3700-3980)	30	20	647334	1@49	CP_64QAM	17.24	-1.6	15.64	36.64	1000	PASS
n77(3700-3980)	30	20	647334	51@0	CP_256QAM	14.15	-1.6	12.55	17.99	1000	PASS

n77(3700-3980)	30	20	647334	25@12	CP_256QAM	14.16	-1.6	12.56	18.03	1000	PASS
n77(3700-3980)	30	20	647334	1@1	CP_256QAM	14.08	-1.6	12.48	17.7	1000	PASS
n77(3700-3980)	30	20	647334	1@49	CP_256QAM	14.08	-1.6	12.48	17.7	1000	PASS
n77(3700-3980)	30	20	656000	50@0	DFT_BPSK	20.06	-1.6	18.46	70.15	1000	PASS
n77(3700-3980)	30	20	656000	25@12	DFT_BPSK	20.56	-1.6	18.96	78.7	1000	PASS
n77(3700-3980)	30	20	656000	1@1	DFT_BPSK	20.33	-1.6	18.73	74.64	1000	PASS
n77(3700-3980)	30	20	656000	1@49	DFT_BPSK	20.54	-1.6	18.94	78.34	1000	PASS
n77(3700-3980)	30	20	656000	50@0	DFT_QPSK	19.55	-1.6	17.95	62.37	1000	PASS
n77(3700-3980)	30	20	656000	25@12	DFT_QPSK	20.58	-1.6	18.98	79.07	1000	PASS
n77(3700-3980)	30	20	656000	1@1	DFT_QPSK	20.24	-1.6	18.64	73.11	1000	PASS
n77(3700-3980)	30	20	656000	1@49	DFT_QPSK	20.48	-1.6	18.88	77.27	1000	PASS
n77(3700-3980)	30	20	656000	50@0	DFT_16QAM	18.72	-1.6	17.12	51.52	1000	PASS
n77(3700-3980)	30	20	656000	25@12	DFT_16QAM	19.57	-1.6	17.97	62.66	1000	PASS
n77(3700-3980)	30	20	656000	1@1	DFT_16QAM	19.18	-1.6	17.58	57.28	1000	PASS
n77(3700-3980)	30	20	656000	1@49	DFT_16QAM	19.44	-1.6	17.84	60.81	1000	PASS
n77(3700-3980)	30	20	656000	50@0	DFT_64QAM	18.17	-1.6	16.57	45.39	1000	PASS
n77(3700-3980)	30	20	656000	25@12	DFT_64QAM	18.21	-1.6	16.61	45.81	1000	PASS
n77(3700-3980)	30	20	656000	1@1	DFT_64QAM	17.73	-1.6	16.13	41.02	1000	PASS
n77(3700-3980)	30	20	656000	1@49	DFT_64QAM	17.97	-1.6	16.37	43.35	1000	PASS
n77(3700-3980)	30	20	656000	50@0	DFT_256QAM	16.14	-1.6	14.54	28.44	1000	PASS
n77(3700-3980)	30	20	656000	25@12	DFT_256QAM	16.11	-1.6	14.51	28.25	1000	PASS
n77(3700-3980)	30	20	656000	1@1	DFT_256QAM	16.2	-1.6	14.6	28.84	1000	PASS
n77(3700-3980)	30	20	656000	1@49	DFT_256QAM	16.17	-1.6	14.57	28.64	1000	PASS
n77(3700-3980)	30	20	656000	51@0	CP_QPSK	17.66	-1.6	16.06	40.36	1000	PASS
n77(3700-3980)	30	20	656000	25@12	CP_QPSK	19.06	-1.6	17.46	55.72	1000	PASS
n77(3700-3980)	30	20	656000	1@1	CP_QPSK	18.81	-1.6	17.21	52.6	1000	PASS
n77(3700-3980)	30	20	656000	1@49	CP_QPSK	19	-1.6	17.4	54.95	1000	PASS
n77(3700-3980)	30	20	656000	51@0	CP_16QAM	17.66	-1.6	16.06	40.36	1000	PASS
n77(3700-3980)	30	20	656000	25@12	CP_16QAM	18.72	-1.6	17.12	51.52	1000	PASS
n77(3700-3980)	30	20	656000	1@1	CP_16QAM	18.56	-1.6	16.96	49.66	1000	PASS
n77(3700-3980)	30	20	656000	1@49	CP_16QAM	18.78	-1.6	17.18	52.24	1000	PASS
n77(3700-3980)	30	20	656000	51@0	CP_64QAM	17.18	-1.6	15.58	36.14	1000	PASS
n77(3700-3980)	30	20	656000	25@12	CP_64QAM	17.18	-1.6	15.58	36.14	1000	PASS
n77(3700-3980)	30	20	656000	1@1	CP_64QAM	17.04	-1.6	15.44	34.99	1000	PASS
n77(3700-3980)	30	20	656000	1@49	CP_64QAM	17.28	-1.6	15.68	36.98	1000	PASS
n77(3700-3980)	30	20	656000	51@0	CP_256QAM	14.12	-1.6	12.52	17.86	1000	PASS
n77(3700-3980)	30	20	656000	25@12	CP_256QAM	14.12	-1.6	12.52	17.86	1000	PASS
n77(3700-3980)	30	20	656000	1@1	CP_256QAM	13.89	-1.6	12.29	16.94	1000	PASS
n77(3700-3980)	30	20	656000	1@49	CP_256QAM	14.11	-1.6	12.51	17.82	1000	PASS
n77(3700-3980)	30	20	664666	50@0	DFT_BPSK	20.35	-1.6	18.75	74.99	1000	PASS
n77(3700-3980)	30	20	664666	25@12	DFT_BPSK	20.89	-1.6	19.29	84.92	1000	PASS
n77(3700-3980)	30	20	664666	1@1	DFT_BPSK	20.61	-1.6	19.01	79.62	1000	PASS
n77(3700-3980)	30	20	664666	1@49	DFT_BPSK	20.9	-1.6	19.3	85.11	1000	PASS

n77(3700-3980)	30	20	664666	50@0	DFT_QPSK	19.84	-1.6	18.24	66.68	1000	PASS
n77(3700-3980)	30	20	664666	25@12	DFT_QPSK	20.89	-1.6	19.29	84.92	1000	PASS
n77(3700-3980)	30	20	664666	1@1	DFT_QPSK	20.53	-1.6	18.93	78.16	1000	PASS
n77(3700-3980)	30	20	664666	1@49	DFT_QPSK	20.81	-1.6	19.21	83.37	1000	PASS
n77(3700-3980)	30	20	664666	50@0	DFT_16QAM	18.84	-1.6	17.24	52.97	1000	PASS
n77(3700-3980)	30	20	664666	25@12	DFT_16QAM	19.86	-1.6	18.26	66.99	1000	PASS
n77(3700-3980)	30	20	664666	1@1	DFT_16QAM	19.54	-1.6	17.94	62.23	1000	PASS
n77(3700-3980)	30	20	664666	1@49	DFT_16QAM	19.79	-1.6	18.19	65.92	1000	PASS
n77(3700-3980)	30	20	664666	50@0	DFT_64QAM	18.32	-1.6	16.72	46.99	1000	PASS
n77(3700-3980)	30	20	664666	25@12	DFT_64QAM	18.36	-1.6	16.76	47.42	1000	PASS
n77(3700-3980)	30	20	664666	1@1	DFT_64QAM	17.92	-1.6	16.32	42.85	1000	PASS
n77(3700-3980)	30	20	664666	1@49	DFT_64QAM	18.19	-1.6	16.59	45.6	1000	PASS
n77(3700-3980)	30	20	664666	50@0	DFT_256QAM	16.45	-1.6	14.85	30.55	1000	PASS
n77(3700-3980)	30	20	664666	25@12	DFT_256QAM	16.47	-1.6	14.87	30.69	1000	PASS
n77(3700-3980)	30	20	664666	1@1	DFT_256QAM	16.23	-1.6	14.63	29.04	1000	PASS
n77(3700-3980)	30	20	664666	1@49	DFT_256QAM	16.52	-1.6	14.92	31.05	1000	PASS
n77(3700-3980)	30	20	664666	51@0	CP_QPSK	17.99	-1.6	16.39	43.55	1000	PASS
n77(3700-3980)	30	20	664666	25@12	CP_QPSK	19.39	-1.6	17.79	60.12	1000	PASS
n77(3700-3980)	30	20	664666	1@1	CP_QPSK	19.06	-1.6	17.46	55.72	1000	PASS
n77(3700-3980)	30	20	664666	1@49	CP_QPSK	19.32	-1.6	17.72	59.16	1000	PASS
n77(3700-3980)	30	20	664666	51@0	CP_16QAM	17.99	-1.6	16.39	43.55	1000	PASS
n77(3700-3980)	30	20	664666	25@12	CP_16QAM	18.85	-1.6	17.25	53.09	1000	PASS
n77(3700-3980)	30	20	664666	1@1	CP_16QAM	18.69	-1.6	17.09	51.17	1000	PASS
n77(3700-3980)	30	20	664666	1@49	CP_16QAM	19	-1.6	17.4	54.95	1000	PASS
n77(3700-3980)	30	20	664666	51@0	CP_64QAM	17.49	-1.6	15.89	38.82	1000	PASS
n77(3700-3980)	30	20	664666	25@12	CP_64QAM	17.5	-1.6	15.9	38.9	1000	PASS
n77(3700-3980)	30	20	664666	1@1	CP_64QAM	17.3	-1.6	15.7	37.15	1000	PASS
n77(3700-3980)	30	20	664666	1@49	CP_64QAM	17.64	-1.6	16.04	40.18	1000	PASS
n77(3700-3980)	30	20	664666	51@0	CP_256QAM	14.41	-1.6	12.81	19.1	1000	PASS
n77(3700-3980)	30	20	664666	25@12	CP_256QAM	14.44	-1.6	12.84	19.23	1000	PASS
n77(3700-3980)	30	20	664666	1@1	CP_256QAM	14.19	-1.6	12.59	18.16	1000	PASS
n77(3700-3980)	30	20	664666	1@49	CP_256QAM	14.49	-1.6	12.89	19.45	1000	PASS
n77(3700-3980)	30	40	648000	100@0	DFT_BPSK	20.02	-1.6	18.42	69.5	1000	PASS
n77(3700-3980)	30	40	648000	50@25	DFT_BPSK	20.63	-1.6	19.03	79.98	1000	PASS
n77(3700-3980)	30	40	648000	1@1	DFT_BPSK	20.08	-1.6	18.48	70.47	1000	PASS
n77(3700-3980)	30	40	648000	1@104	DFT_BPSK	20.33	-1.6	18.73	74.64	1000	PASS
n77(3700-3980)	30	40	648000	100@0	DFT_QPSK	19.51	-1.6	17.91	61.8	1000	PASS
n77(3700-3980)	30	40	648000	50@25	DFT_QPSK	20.6	-1.6	19	79.43	1000	PASS
n77(3700-3980)	30	40	648000	1@1	DFT_QPSK	20.05	-1.6	18.45	69.98	1000	PASS
n77(3700-3980)	30	40	648000	1@104	DFT_QPSK	20.3	-1.6	18.7	74.13	1000	PASS
n77(3700-3980)	30	40	648000	100@0	DFT_16QAM	18.63	-1.6	17.03	50.47	1000	PASS
n77(3700-3980)	30	40	648000	50@25	DFT_16QAM	19.64	-1.6	18.04	63.68	1000	PASS
n77(3700-3980)	30	40	648000	1@1	DFT_16QAM	18.97	-1.6	17.37	54.58	1000	PASS

n77(3700-3980)	30	40	648000	1@104	DFT_16QAM	19.19	-1.6	17.59	57.41	1000	PASS
n77(3700-3980)	30	40	648000	100@0	DFT_64QAM	18.16	-1.6	16.56	45.29	1000	PASS
n77(3700-3980)	30	40	648000	50@25	DFT_64QAM	18.19	-1.6	16.59	45.6	1000	PASS
n77(3700-3980)	30	40	648000	1@1	DFT_64QAM	17.47	-1.6	15.87	38.64	1000	PASS
n77(3700-3980)	30	40	648000	1@104	DFT_64QAM	17.7	-1.6	16.1	40.74	1000	PASS
n77(3700-3980)	30	40	648000	100@0	DFT_256QAM	16.12	-1.6	14.52	28.31	1000	PASS
n77(3700-3980)	30	40	648000	50@25	DFT_256QAM	16.17	-1.6	14.57	28.64	1000	PASS
n77(3700-3980)	30	40	648000	1@1	DFT_256QAM	15.71	-1.6	14.11	25.76	1000	PASS
n77(3700-3980)	30	40	648000	1@104	DFT_256QAM	15.95	-1.6	14.35	27.23	1000	PASS
n77(3700-3980)	30	40	648000	106@0	CP_QPSK	17.63	-1.6	16.03	40.09	1000	PASS
n77(3700-3980)	30	40	648000	53@26	CP_QPSK	19.23	-1.6	17.63	57.94	1000	PASS
n77(3700-3980)	30	40	648000	1@1	CP_QPSK	18.71	-1.6	17.11	51.4	1000	PASS
n77(3700-3980)	30	40	648000	1@104	CP_QPSK	18.91	-1.6	17.31	53.83	1000	PASS
n77(3700-3980)	30	40	648000	106@0	CP_16QAM	17.63	-1.6	16.03	40.09	1000	PASS
n77(3700-3980)	30	40	648000	53@26	CP_16QAM	18.73	-1.6	17.13	51.64	1000	PASS
n77(3700-3980)	30	40	648000	1@1	CP_16QAM	18.36	-1.6	16.76	47.42	1000	PASS
n77(3700-3980)	30	40	648000	1@104	CP_16QAM	18.59	-1.6	16.99	50	1000	PASS
n77(3700-3980)	30	40	648000	106@0	CP_64QAM	17.06	-1.6	15.46	35.16	1000	PASS
n77(3700-3980)	30	40	648000	53@26	CP_64QAM	17.22	-1.6	15.62	36.48	1000	PASS
n77(3700-3980)	30	40	648000	1@1	CP_64QAM	16.84	-1.6	15.24	33.42	1000	PASS
n77(3700-3980)	30	40	648000	1@104	CP_64QAM	17.06	-1.6	15.46	35.16	1000	PASS
n77(3700-3980)	30	40	648000	106@0	CP_256QAM	14.06	-1.6	12.46	17.62	1000	PASS
n77(3700-3980)	30	40	648000	53@26	CP_256QAM	14.17	-1.6	12.57	18.07	1000	PASS
n77(3700-3980)	30	40	648000	1@1	CP_256QAM	13.7	-1.6	12.1	16.22	1000	PASS
n77(3700-3980)	30	40	648000	1@104	CP_256QAM	13.91	-1.6	12.31	17.02	1000	PASS
n77(3700-3980)	30	40	656000	100@0	DFT_BPSK	19.98	-1.6	18.38	68.87	1000	PASS
n77(3700-3980)	30	40	656000	50@25	DFT_BPSK	20.6	-1.6	19	79.43	1000	PASS
n77(3700-3980)	30	40	656000	1@1	DFT_BPSK	19.94	-1.6	18.34	68.23	1000	PASS
n77(3700-3980)	30	40	656000	1@104	DFT_BPSK	20.28	-1.6	18.68	73.79	1000	PASS
n77(3700-3980)	30	40	656000	100@0	DFT_QPSK	19.45	-1.6	17.85	60.95	1000	PASS
n77(3700-3980)	30	40	656000	50@25	DFT_QPSK	20.6	-1.6	19	79.43	1000	PASS
n77(3700-3980)	30	40	656000	1@1	DFT_QPSK	19.9	-1.6	18.3	67.61	1000	PASS
n77(3700-3980)	30	40	656000	1@104	DFT_QPSK	20.23	-1.6	18.63	72.95	1000	PASS
n77(3700-3980)	30	40	656000	100@0	DFT_16QAM	18.59	-1.6	16.99	50	1000	PASS
n77(3700-3980)	30	40	656000	50@25	DFT_16QAM	19.64	-1.6	18.04	63.68	1000	PASS
n77(3700-3980)	30	40	656000	1@1	DFT_16QAM	18.86	-1.6	17.26	53.21	1000	PASS
n77(3700-3980)	30	40	656000	1@104	DFT_16QAM	19.17	-1.6	17.57	57.15	1000	PASS
n77(3700-3980)	30	40	656000	100@0	DFT_64QAM	18.11	-1.6	16.51	44.77	1000	PASS
n77(3700-3980)	30	40	656000	50@25	DFT_64QAM	18.2	-1.6	16.6	45.71	1000	PASS
n77(3700-3980)	30	40	656000	1@1	DFT_64QAM	17.32	-1.6	15.72	37.33	1000	PASS
n77(3700-3980)	30	40	656000	1@104	DFT_64QAM	17.71	-1.6	16.11	40.83	1000	PASS
n77(3700-3980)	30	40	656000	100@0	DFT_256QAM	16.09	-1.6	14.49	28.12	1000	PASS
n77(3700-3980)	30	40	656000	50@25	DFT_256QAM	16.18	-1.6	14.58	28.71	1000	PASS

n77(3700-3980)	30	40	656000	1@1	DFT_256QAM	15.56	-1.6	13.96	24.89	1000	PASS
n77(3700-3980)	30	40	656000	1@104	DFT_256QAM	15.9	-1.6	14.3	26.92	1000	PASS
n77(3700-3980)	30	40	656000	106@0	CP_QPSK	17.53	-1.6	15.93	39.17	1000	PASS
n77(3700-3980)	30	40	656000	53@26	CP_QPSK	19.08	-1.6	17.48	55.98	1000	PASS
n77(3700-3980)	30	40	656000	1@1	CP_QPSK	18.44	-1.6	16.84	48.31	1000	PASS
n77(3700-3980)	30	40	656000	1@104	CP_QPSK	18.79	-1.6	17.19	52.36	1000	PASS
n77(3700-3980)	30	40	656000	106@0	CP_16QAM	17.56	-1.6	15.96	39.45	1000	PASS
n77(3700-3980)	30	40	656000	53@26	CP_16QAM	18.69	-1.6	17.09	51.17	1000	PASS
n77(3700-3980)	30	40	656000	1@1	CP_16QAM	18.2	-1.6	16.6	45.71	1000	PASS
n77(3700-3980)	30	40	656000	1@104	CP_16QAM	18.54	-1.6	16.94	49.43	1000	PASS
n77(3700-3980)	30	40	656000	106@0	CP_64QAM	17.01	-1.6	15.41	34.75	1000	PASS
n77(3700-3980)	30	40	656000	53@26	CP_64QAM	17.19	-1.6	15.59	36.22	1000	PASS
n77(3700-3980)	30	40	656000	1@1	CP_64QAM	16.68	-1.6	15.08	32.21	1000	PASS
n77(3700-3980)	30	40	656000	1@104	CP_64QAM	17.06	-1.6	15.46	35.16	1000	PASS
n77(3700-3980)	30	40	656000	106@0	CP_256QAM	14	-1.6	12.4	17.38	1000	PASS
n77(3700-3980)	30	40	656000	53@26	CP_256QAM	14.14	-1.6	12.54	17.95	1000	PASS
n77(3700-3980)	30	40	656000	1@1	CP_256QAM	13.54	-1.6	11.94	15.63	1000	PASS
n77(3700-3980)	30	40	656000	1@104	CP_256QAM	13.86	-1.6	12.26	16.83	1000	PASS
n77(3700-3980)	30	40	664000	100@0	DFT_BPSK	20.24	-1.6	18.64	73.11	1000	PASS
n77(3700-3980)	30	40	664000	50@25	DFT_BPSK	20.84	-1.6	19.24	83.95	1000	PASS
n77(3700-3980)	30	40	664000	1@1	DFT_BPSK	20.23	-1.6	18.63	72.95	1000	PASS
n77(3700-3980)	30	40	664000	1@104	DFT_BPSK	20.65	-1.6	19.05	80.35	1000	PASS
n77(3700-3980)	30	40	664000	100@0	DFT_QPSK	19.74	-1.6	18.14	65.16	1000	PASS
n77(3700-3980)	30	40	664000	50@25	DFT_QPSK	20.85	-1.6	19.25	84.14	1000	PASS
n77(3700-3980)	30	40	664000	1@1	DFT_QPSK	20.14	-1.6	18.54	71.45	1000	PASS
n77(3700-3980)	30	40	664000	1@104	DFT_QPSK	20.58	-1.6	18.98	79.07	1000	PASS
n77(3700-3980)	30	40	664000	100@0	DFT_16QAM	18.73	-1.6	17.13	51.64	1000	PASS
n77(3700-3980)	30	40	664000	50@25	DFT_16QAM	19.83	-1.6	18.23	66.53	1000	PASS
n77(3700-3980)	30	40	664000	1@1	DFT_16QAM	19.03	-1.6	17.43	55.34	1000	PASS
n77(3700-3980)	30	40	664000	1@104	DFT_16QAM	19.5	-1.6	17.9	61.66	1000	PASS
n77(3700-3980)	30	40	664000	100@0	DFT_64QAM	18.38	-1.6	16.78	47.64	1000	PASS
n77(3700-3980)	30	40	664000	50@25	DFT_64QAM	18.44	-1.6	16.84	48.31	1000	PASS
n77(3700-3980)	30	40	664000	1@1	DFT_64QAM	16.9	-1.6	15.3	33.88	1000	PASS
n77(3700-3980)	30	40	664000	1@104	DFT_64QAM	17.93	-1.6	16.33	42.95	1000	PASS
n77(3700-3980)	30	40	664000	100@0	DFT_256QAM	16.36	-1.6	14.76	29.92	1000	PASS
n77(3700-3980)	30	40	664000	50@25	DFT_256QAM	15.3	-1.6	13.7	23.44	1000	PASS
n77(3700-3980)	30	40	664000	1@1	DFT_256QAM	15.83	-1.6	14.23	26.49	1000	PASS
n77(3700-3980)	30	40	664000	1@104	DFT_256QAM	14.8	-1.6	13.2	20.89	1000	PASS
n77(3700-3980)	30	40	664000	106@0	CP_QPSK	17.6	-1.6	16	39.81	1000	PASS
n77(3700-3980)	30	40	664000	53@26	CP_QPSK	19.33	-1.6	17.73	59.29	1000	PASS
n77(3700-3980)	30	40	664000	1@1	CP_QPSK	18.65	-1.6	17.05	50.7	1000	PASS
n77(3700-3980)	30	40	664000	1@104	CP_QPSK	19.11	-1.6	17.51	56.36	1000	PASS
n77(3700-3980)	30	40	664000	106@0	CP_16QAM	17.85	-1.6	16.25	42.17	1000	PASS

n77(3700-3980)	30	40	664000	53@26	CP_16QAM	18.82	-1.6	17.22	52.72	1000	PASS
n77(3700-3980)	30	40	664000	1@1	CP_16QAM	18.35	-1.6	16.75	47.32	1000	PASS
n77(3700-3980)	30	40	664000	1@104	CP_16QAM	18.75	-1.6	17.15	51.88	1000	PASS
n77(3700-3980)	30	40	664000	106@0	CP_64QAM	17.29	-1.6	15.69	37.07	1000	PASS
n77(3700-3980)	30	40	664000	53@26	CP_64QAM	17.43	-1.6	15.83	38.28	1000	PASS
n77(3700-3980)	30	40	664000	1@1	CP_64QAM	16.93	-1.6	15.33	34.12	1000	PASS
n77(3700-3980)	30	40	664000	1@104	CP_64QAM	17.37	-1.6	15.77	37.76	1000	PASS
n77(3700-3980)	30	40	664000	106@0	CP_256QAM	14.28	-1.6	12.68	18.54	1000	PASS
n77(3700-3980)	30	40	664000	53@26	CP_256QAM	14.42	-1.6	12.82	19.14	1000	PASS
n77(3700-3980)	30	40	664000	1@1	CP_256QAM	13.8	-1.6	12.2	16.6	1000	PASS
n77(3700-3980)	30	40	664000	1@104	CP_256QAM	14.23	-1.6	12.63	18.32	1000	PASS
n77(3700-3980)	30	50	648334	128@0	DFT_BPSK	20.14	-1.6	18.54	71.45	1000	PASS
n77(3700-3980)	30	50	648334	64@32	DFT_BPSK	20.7	-1.6	19.1	81.28	1000	PASS
n77(3700-3980)	30	50	648334	1@1	DFT_BPSK	20.35	-1.6	18.75	74.99	1000	PASS
n77(3700-3980)	30	50	648334	1@131	DFT_BPSK	20.73	-1.6	19.13	81.85	1000	PASS
n77(3700-3980)	30	50	648334	128@0	DFT_QPSK	19.64	-1.6	18.04	63.68	1000	PASS
n77(3700-3980)	30	50	648334	64@32	DFT_QPSK	20.69	-1.6	19.09	81.1	1000	PASS
n77(3700-3980)	30	50	648334	1@1	DFT_QPSK	20.31	-1.6	18.71	74.3	1000	PASS
n77(3700-3980)	30	50	648334	1@131	DFT_QPSK	20.68	-1.6	19.08	80.91	1000	PASS
n77(3700-3980)	30	50	648334	128@0	DFT_16QAM	18.76	-1.6	17.16	52	1000	PASS
n77(3700-3980)	30	50	648334	64@32	DFT_16QAM	19.67	-1.6	18.07	64.12	1000	PASS
n77(3700-3980)	30	50	648334	1@1	DFT_16QAM	19.18	-1.6	17.58	57.28	1000	PASS
n77(3700-3980)	30	50	648334	1@131	DFT_16QAM	19.52	-1.6	17.92	61.94	1000	PASS
n77(3700-3980)	30	50	648334	128@0	DFT_64QAM	18.25	-1.6	16.65	46.24	1000	PASS
n77(3700-3980)	30	50	648334	64@32	DFT_64QAM	18.29	-1.6	16.69	46.67	1000	PASS
n77(3700-3980)	30	50	648334	1@1	DFT_64QAM	17.8	-1.6	16.2	41.69	1000	PASS
n77(3700-3980)	30	50	648334	1@131	DFT_64QAM	17.2	-1.6	15.6	36.31	1000	PASS
n77(3700-3980)	30	50	648334	128@0	DFT_256QAM	17.95	-1.6	16.35	43.15	1000	PASS
n77(3700-3980)	30	50	648334	64@32	DFT_256QAM	16.28	-1.6	14.68	29.38	1000	PASS
n77(3700-3980)	30	50	648334	1@1	DFT_256QAM	16.02	-1.6	14.42	27.67	1000	PASS
n77(3700-3980)	30	50	648334	1@131	DFT_256QAM	16.5	-1.6	14.9	30.9	1000	PASS
n77(3700-3980)	30	50	648334	133@0	CP_QPSK	18.9	-1.6	17.3	53.7	1000	PASS
n77(3700-3980)	30	50	648334	67@33	CP_QPSK	19.33	-1.6	17.73	59.29	1000	PASS
n77(3700-3980)	30	50	648334	1@1	CP_QPSK	19.5	-1.6	17.9	61.66	1000	PASS
n77(3700-3980)	30	50	648334	1@131	CP_QPSK	19.36	-1.6	17.76	59.7	1000	PASS
n77(3700-3980)	30	50	648334	133@0	CP_16QAM	17.79	-1.6	16.19	41.59	1000	PASS
n77(3700-3980)	30	50	648334	67@33	CP_16QAM	18.8	-1.6	17.2	52.48	1000	PASS
n77(3700-3980)	30	50	648334	1@1	CP_16QAM	18.63	-1.6	17.03	50.47	1000	PASS
n77(3700-3980)	30	50	648334	1@131	CP_16QAM	19	-1.6	17.4	54.95	1000	PASS
n77(3700-3980)	30	50	648334	133@0	CP_64QAM	17.6	-1.6	16	39.81	1000	PASS
n77(3700-3980)	30	50	648334	67@33	CP_64QAM	17.33	-1.6	15.73	37.41	1000	PASS
n77(3700-3980)	30	50	648334	1@1	CP_64QAM	17.5	-1.6	15.9	38.9	1000	PASS
n77(3700-3980)	30	50	648334	1@131	CP_64QAM	17.5	-1.6	15.9	38.9	1000	PASS

n77(3700-3980)	30	50	648334	133@0	CP_256QAM	14.23	-1.6	12.63	18.32	1000	PASS
n77(3700-3980)	30	50	648334	67@33	CP_256QAM	14.3	-1.6	12.7	18.62	1000	PASS
n77(3700-3980)	30	50	648334	1@1	CP_256QAM	13.98	-1.6	12.38	17.3	1000	PASS
n77(3700-3980)	30	50	648334	1@131	CP_256QAM	14.34	-1.6	12.74	18.79	1000	PASS
n77(3700-3980)	30	50	656000	128@0	DFT_BPSK	20.05	-1.6	18.45	69.98	1000	PASS
n77(3700-3980)	30	50	656000	64@32	DFT_BPSK	20.62	-1.6	19.02	79.8	1000	PASS
n77(3700-3980)	30	50	656000	1@1	DFT_BPSK	20.2	-1.6	18.6	72.44	1000	PASS
n77(3700-3980)	30	50	656000	1@131	DFT_BPSK	20.53	-1.6	18.93	78.16	1000	PASS
n77(3700-3980)	30	50	656000	128@0	DFT_QPSK	19.53	-1.6	17.93	62.09	1000	PASS
n77(3700-3980)	30	50	656000	64@32	DFT_QPSK	20.61	-1.6	19.01	79.62	1000	PASS
n77(3700-3980)	30	50	656000	1@1	DFT_QPSK	20.15	-1.6	18.55	71.61	1000	PASS
n77(3700-3980)	30	50	656000	1@131	DFT_QPSK	20.47	-1.6	18.87	77.09	1000	PASS
n77(3700-3980)	30	50	656000	128@0	DFT_16QAM	18.65	-1.6	17.05	50.7	1000	PASS
n77(3700-3980)	30	50	656000	64@32	DFT_16QAM	19.6	-1.6	18	63.1	1000	PASS
n77(3700-3980)	30	50	656000	1@1	DFT_16QAM	19.05	-1.6	17.45	55.59	1000	PASS
n77(3700-3980)	30	50	656000	1@131	DFT_16QAM	19.39	-1.6	17.79	60.12	1000	PASS
n77(3700-3980)	30	50	656000	128@0	DFT_64QAM	18.15	-1.6	16.55	45.19	1000	PASS
n77(3700-3980)	30	50	656000	64@32	DFT_64QAM	18.23	-1.6	16.63	46.03	1000	PASS
n77(3700-3980)	30	50	656000	1@1	DFT_64QAM	17.65	-1.6	16.05	40.27	1000	PASS
n77(3700-3980)	30	50	656000	1@131	DFT_64QAM	17.96	-1.6	16.36	43.25	1000	PASS
n77(3700-3980)	30	50	656000	128@0	DFT_256QAM	16.2	-1.6	14.6	28.84	1000	PASS
n77(3700-3980)	30	50	656000	64@32	DFT_256QAM	16.2	-1.6	14.6	28.84	1000	PASS
n77(3700-3980)	30	50	656000	1@1	DFT_256QAM	16.4	-1.6	14.8	30.2	1000	PASS
n77(3700-3980)	30	50	656000	1@131	DFT_256QAM	16.17	-1.6	14.57	28.64	1000	PASS
n77(3700-3980)	30	50	656000	133@0	CP_QPSK	17.67	-1.6	16.07	40.46	1000	PASS
n77(3700-3980)	30	50	656000	67@33	CP_QPSK	19.08	-1.6	17.48	55.98	1000	PASS
n77(3700-3980)	30	50	656000	1@1	CP_QPSK	18.65	-1.6	17.05	50.7	1000	PASS
n77(3700-3980)	30	50	656000	1@131	CP_QPSK	18.98	-1.6	17.38	54.7	1000	PASS
n77(3700-3980)	30	50	656000	133@0	CP_16QAM	17.64	-1.6	16.04	40.18	1000	PASS
n77(3700-3980)	30	50	656000	67@33	CP_16QAM	18.7	-1.6	17.1	51.29	1000	PASS
n77(3700-3980)	30	50	656000	1@1	CP_16QAM	18.49	-1.6	16.89	48.87	1000	PASS
n77(3700-3980)	30	50	656000	1@131	CP_16QAM	18.61	-1.6	17.01	50.23	1000	PASS
n77(3700-3980)	30	50	656000	133@0	CP_64QAM	17.13	-1.6	15.53	35.73	1000	PASS
n77(3700-3980)	30	50	656000	67@33	CP_64QAM	17.24	-1.6	15.64	36.64	1000	PASS
n77(3700-3980)	30	50	656000	1@1	CP_64QAM	16.96	-1.6	15.36	34.36	1000	PASS
n77(3700-3980)	30	50	656000	1@131	CP_64QAM	17.28	-1.6	15.68	36.98	1000	PASS
n77(3700-3980)	30	50	656000	133@0	CP_256QAM	14.1	-1.6	12.5	17.78	1000	PASS
n77(3700-3980)	30	50	656000	67@33	CP_256QAM	14.18	-1.6	12.58	18.11	1000	PASS
n77(3700-3980)	30	50	656000	1@1	CP_256QAM	13.81	-1.6	12.21	16.63	1000	PASS
n77(3700-3980)	30	50	656000	1@131	CP_256QAM	14.12	-1.6	12.52	17.86	1000	PASS
n77(3700-3980)	30	50	663666	128@0	DFT_BPSK	20.19	-1.6	18.59	72.28	1000	PASS
n77(3700-3980)	30	50	663666	64@32	DFT_BPSK	20.77	-1.6	19.17	82.6	1000	PASS
n77(3700-3980)	30	50	663666	1@1	DFT_BPSK	20.33	-1.6	18.73	74.64	1000	PASS

n77(3700-3980)	30	50	663666	1@131	DFT_BPSK	20.82	-1.6	19.22	83.56	1000	PASS
n77(3700-3980)	30	50	663666	128@0	DFT_QPSK	19.69	-1.6	18.09	64.42	1000	PASS
n77(3700-3980)	30	50	663666	64@32	DFT_QPSK	20.77	-1.6	19.17	82.6	1000	PASS
n77(3700-3980)	30	50	663666	1@1	DFT_QPSK	20.25	-1.6	18.65	73.28	1000	PASS
n77(3700-3980)	30	50	663666	1@131	DFT_QPSK	20.74	-1.6	19.14	82.04	1000	PASS
n77(3700-3980)	30	50	663666	128@0	DFT_16QAM	19.1	-1.6	17.5	56.23	1000	PASS
n77(3700-3980)	30	50	663666	64@32	DFT_16QAM	19.76	-1.6	18.16	65.46	1000	PASS
n77(3700-3980)	30	50	663666	1@1	DFT_16QAM	19.21	-1.6	17.61	57.68	1000	PASS
n77(3700-3980)	30	50	663666	1@131	DFT_16QAM	19.68	-1.6	18.08	64.27	1000	PASS
n77(3700-3980)	30	50	663666	128@0	DFT_64QAM	18.32	-1.6	16.72	46.99	1000	PASS
n77(3700-3980)	30	50	663666	64@32	DFT_64QAM	18.39	-1.6	16.79	47.75	1000	PASS
n77(3700-3980)	30	50	663666	1@1	DFT_64QAM	17.79	-1.6	16.19	41.59	1000	PASS
n77(3700-3980)	30	50	663666	1@131	DFT_64QAM	18.1	-1.6	16.5	44.67	1000	PASS
n77(3700-3980)	30	50	663666	128@0	DFT_256QAM	16.28	-1.6	14.68	29.38	1000	PASS
n77(3700-3980)	30	50	663666	64@32	DFT_256QAM	16.35	-1.6	14.75	29.85	1000	PASS
n77(3700-3980)	30	50	663666	1@1	DFT_256QAM	16.5	-1.6	14.9	30.9	1000	PASS
n77(3700-3980)	30	50	663666	1@131	DFT_256QAM	16.46	-1.6	14.86	30.62	1000	PASS
n77(3700-3980)	30	50	663666	133@0	CP_QPSK	17.83	-1.6	16.23	41.98	1000	PASS
n77(3700-3980)	30	50	663666	67@33	CP_QPSK	19.23	-1.6	17.63	57.94	1000	PASS
n77(3700-3980)	30	50	663666	1@1	CP_QPSK	18.79	-1.6	17.19	52.36	1000	PASS
n77(3700-3980)	30	50	663666	1@131	CP_QPSK	19.29	-1.6	17.69	58.75	1000	PASS
n77(3700-3980)	30	50	663666	133@0	CP_16QAM	17.81	-1.6	16.21	41.78	1000	PASS
n77(3700-3980)	30	50	663666	67@33	CP_16QAM	18.71	-1.6	17.11	51.4	1000	PASS
n77(3700-3980)	30	50	663666	1@1	CP_16QAM	18.41	-1.6	16.81	47.97	1000	PASS
n77(3700-3980)	30	50	663666	1@131	CP_16QAM	18.91	-1.6	17.31	53.83	1000	PASS
n77(3700-3980)	30	50	663666	133@0	CP_64QAM	17.29	-1.6	15.69	37.07	1000	PASS
n77(3700-3980)	30	50	663666	67@33	CP_64QAM	17.38	-1.6	15.78	37.84	1000	PASS
n77(3700-3980)	30	50	663666	1@1	CP_64QAM	17.08	-1.6	15.48	35.32	1000	PASS
n77(3700-3980)	30	50	663666	1@131	CP_64QAM	17.61	-1.6	16.01	39.9	1000	PASS
n77(3700-3980)	30	50	663666	133@0	CP_256QAM	14.26	-1.6	12.66	18.45	1000	PASS
n77(3700-3980)	30	50	663666	67@33	CP_256QAM	14.33	-1.6	12.73	18.75	1000	PASS
n77(3700-3980)	30	50	663666	1@1	CP_256QAM	13.91	-1.6	12.31	17.02	1000	PASS
n77(3700-3980)	30	50	663666	1@131	CP_256QAM	14.42	-1.6	12.82	19.14	1000	PASS
n77(3700-3980)	30	60	648668	162@0	DFT_BPSK	20.19	-1.6	18.59	72.28	1000	PASS
n77(3700-3980)	30	60	648668	81@40	DFT_BPSK	20.76	-1.6	19.16	82.41	1000	PASS
n77(3700-3980)	30	60	648668	1@1	DFT_BPSK	20.2	-1.6	18.6	72.44	1000	PASS
n77(3700-3980)	30	60	648668	1@160	DFT_BPSK	20.61	-1.6	19.01	79.62	1000	PASS
n77(3700-3980)	30	60	648668	162@0	DFT_QPSK	19.65	-1.6	18.05	63.83	1000	PASS
n77(3700-3980)	30	60	648668	81@40	DFT_QPSK	20.74	-1.6	19.14	82.04	1000	PASS
n77(3700-3980)	30	60	648668	1@1	DFT_QPSK	20.13	-1.6	18.53	71.29	1000	PASS
n77(3700-3980)	30	60	648668	1@160	DFT_QPSK	20.53	-1.6	18.93	78.16	1000	PASS
n77(3700-3980)	30	60	648668	162@0	DFT_16QAM	18.81	-1.6	17.21	52.6	1000	PASS
n77(3700-3980)	30	60	648668	81@40	DFT_16QAM	19.74	-1.6	18.14	65.16	1000	PASS

n77(3700-3980)	30	60	648668	1@1	DFT_16QAM	19.21	-1.6	17.61	57.68	1000	PASS
n77(3700-3980)	30	60	648668	1@160	DFT_16QAM	19.6	-1.6	18	63.1	1000	PASS
n77(3700-3980)	30	60	648668	162@0	DFT_64QAM	18.31	-1.6	16.71	46.88	1000	PASS
n77(3700-3980)	30	60	648668	81@40	DFT_64QAM	18.35	-1.6	16.75	47.32	1000	PASS
n77(3700-3980)	30	60	648668	1@1	DFT_64QAM	18.1	-1.6	16.5	44.67	1000	PASS
n77(3700-3980)	30	60	648668	1@160	DFT_64QAM	17.97	-1.6	16.37	43.35	1000	PASS
n77(3700-3980)	30	60	648668	162@0	DFT_256QAM	16.25	-1.6	14.65	29.17	1000	PASS
n77(3700-3980)	30	60	648668	81@40	DFT_256QAM	16.32	-1.6	14.72	29.65	1000	PASS
n77(3700-3980)	30	60	648668	1@1	DFT_256QAM	15.75	-1.6	14.15	26	1000	PASS
n77(3700-3980)	30	60	648668	1@160	DFT_256QAM	16.17	-1.6	14.57	28.64	1000	PASS
n77(3700-3980)	30	60	648668	162@0	CP_QPSK	17.78	-1.6	16.18	41.5	1000	PASS
n77(3700-3980)	30	60	648668	81@40	CP_QPSK	19.35	-1.6	17.75	59.57	1000	PASS
n77(3700-3980)	30	60	648668	1@1	CP_QPSK	19.02	-1.6	17.42	55.21	1000	PASS
n77(3700-3980)	30	60	648668	1@160	CP_QPSK	19.39	-1.6	17.79	60.12	1000	PASS
n77(3700-3980)	30	60	648668	162@0	CP_16QAM	17.76	-1.6	16.16	41.3	1000	PASS
n77(3700-3980)	30	60	648668	81@40	CP_16QAM	17.6	-1.6	16	39.81	1000	PASS
n77(3700-3980)	30	60	648668	1@1	CP_16QAM	18.25	-1.6	16.65	46.24	1000	PASS
n77(3700-3980)	30	60	648668	1@160	CP_16QAM	18.64	-1.6	17.04	50.58	1000	PASS
n77(3700-3980)	30	60	648668	162@0	CP_64QAM	17.25	-1.6	15.65	36.73	1000	PASS
n77(3700-3980)	30	60	648668	81@40	CP_64QAM	17.34	-1.6	15.74	37.5	1000	PASS
n77(3700-3980)	30	60	648668	1@1	CP_64QAM	17.26	-1.6	15.66	36.81	1000	PASS
n77(3700-3980)	30	60	648668	1@160	CP_64QAM	17.62	-1.6	16.02	39.99	1000	PASS
n77(3700-3980)	30	60	648668	162@0	CP_256QAM	14.21	-1.6	12.61	18.24	1000	PASS
n77(3700-3980)	30	60	648668	81@40	CP_256QAM	14.29	-1.6	12.69	18.58	1000	PASS
n77(3700-3980)	30	60	648668	1@1	CP_256QAM	13.74	-1.6	12.14	16.37	1000	PASS
n77(3700-3980)	30	60	648668	1@160	CP_256QAM	14.17	-1.6	12.57	18.07	1000	PASS
n77(3700-3980)	30	60	656000	162@0	DFT_BPSK	20.01	-1.6	18.41	69.34	1000	PASS
n77(3700-3980)	30	60	656000	81@40	DFT_BPSK	20.63	-1.6	19.03	79.98	1000	PASS
n77(3700-3980)	30	60	656000	1@1	DFT_BPSK	20.03	-1.6	18.43	69.66	1000	PASS
n77(3700-3980)	30	60	656000	1@160	DFT_BPSK	20.36	-1.6	18.76	75.16	1000	PASS
n77(3700-3980)	30	60	656000	162@0	DFT_QPSK	19.53	-1.6	17.93	62.09	1000	PASS
n77(3700-3980)	30	60	656000	81@40	DFT_QPSK	20.58	-1.6	18.98	79.07	1000	PASS
n77(3700-3980)	30	60	656000	1@1	DFT_QPSK	19.91	-1.6	18.31	67.76	1000	PASS
n77(3700-3980)	30	60	656000	1@160	DFT_QPSK	20.3	-1.6	18.7	74.13	1000	PASS
n77(3700-3980)	30	60	656000	162@0	DFT_16QAM	18.66	-1.6	17.06	50.82	1000	PASS
n77(3700-3980)	30	60	656000	81@40	DFT_16QAM	19.59	-1.6	17.99	62.95	1000	PASS
n77(3700-3980)	30	60	656000	1@1	DFT_16QAM	19.01	-1.6	17.41	55.08	1000	PASS
n77(3700-3980)	30	60	656000	1@160	DFT_16QAM	19.4	-1.6	17.8	60.26	1000	PASS
n77(3700-3980)	30	60	656000	162@0	DFT_64QAM	18.14	-1.6	16.54	45.08	1000	PASS
n77(3700-3980)	30	60	656000	81@40	DFT_64QAM	18.2	-1.6	16.6	45.71	1000	PASS
n77(3700-3980)	30	60	656000	1@1	DFT_64QAM	17.41	-1.6	15.81	38.11	1000	PASS
n77(3700-3980)	30	60	656000	1@160	DFT_64QAM	17.77	-1.6	16.17	41.4	1000	PASS
n77(3700-3980)	30	60	656000	162@0	DFT_256QAM	16.12	-1.6	14.52	28.31	1000	PASS

n77(3700-3980)	30	60	656000	81@40	DFT_256QAM	16.2	-1.6	14.6	28.84	1000	PASS
n77(3700-3980)	30	60	656000	1@1	DFT_256QAM	15.69	-1.6	14.09	25.64	1000	PASS
n77(3700-3980)	30	60	656000	1@160	DFT_256QAM	16.06	-1.6	14.46	27.93	1000	PASS
n77(3700-3980)	30	60	656000	162@0	CP_QPSK	17.61	-1.6	16.01	39.9	1000	PASS
n77(3700-3980)	30	60	656000	81@40	CP_QPSK	19.05	-1.6	17.45	55.59	1000	PASS
n77(3700-3980)	30	60	656000	1@1	CP_QPSK	18.52	-1.6	16.92	49.2	1000	PASS
n77(3700-3980)	30	60	656000	1@160	CP_QPSK	18.86	-1.6	17.26	53.21	1000	PASS
n77(3700-3980)	30	60	656000	162@0	CP_16QAM	17.63	-1.6	16.03	40.09	1000	PASS
n77(3700-3980)	30	60	656000	81@40	CP_16QAM	18.72	-1.6	17.12	51.52	1000	PASS
n77(3700-3980)	30	60	656000	1@1	CP_16QAM	18.33	-1.6	16.73	47.1	1000	PASS
n77(3700-3980)	30	60	656000	1@160	CP_16QAM	18.51	-1.6	16.91	49.09	1000	PASS
n77(3700-3980)	30	60	656000	162@0	CP_64QAM	17.12	-1.6	15.52	35.65	1000	PASS
n77(3700-3980)	30	60	656000	81@40	CP_64QAM	17.24	-1.6	15.64	36.64	1000	PASS
n77(3700-3980)	30	60	656000	1@1	CP_64QAM	16.82	-1.6	15.22	33.27	1000	PASS
n77(3700-3980)	30	60	656000	1@160	CP_64QAM	17.17	-1.6	15.57	36.06	1000	PASS
n77(3700-3980)	30	60	656000	162@0	CP_256QAM	14.07	-1.6	12.47	17.66	1000	PASS
n77(3700-3980)	30	60	656000	81@40	CP_256QAM	14.15	-1.6	12.55	17.99	1000	PASS
n77(3700-3980)	30	60	656000	1@1	CP_256QAM	13.66	-1.6	12.06	16.07	1000	PASS
n77(3700-3980)	30	60	656000	1@160	CP_256QAM	14.02	-1.6	12.42	17.46	1000	PASS
n77(3700-3980)	30	60	663332	162@0	DFT_BPSK	20.12	-1.6	18.52	71.12	1000	PASS
n77(3700-3980)	30	60	663332	81@40	DFT_BPSK	20.7	-1.6	19.1	81.28	1000	PASS
n77(3700-3980)	30	60	663332	1@1	DFT_BPSK	20.17	-1.6	18.57	71.94	1000	PASS
n77(3700-3980)	30	60	663332	1@160	DFT_BPSK	20.6	-1.6	19	79.43	1000	PASS
n77(3700-3980)	30	60	663332	162@0	DFT_QPSK	19.6	-1.6	18	63.1	1000	PASS
n77(3700-3980)	30	60	663332	81@40	DFT_QPSK	20.7	-1.6	19.1	81.28	1000	PASS
n77(3700-3980)	30	60	663332	1@1	DFT_QPSK	20.11	-1.6	18.51	70.96	1000	PASS
n77(3700-3980)	30	60	663332	1@160	DFT_QPSK	20.54	-1.6	18.94	78.34	1000	PASS
n77(3700-3980)	30	60	663332	162@0	DFT_16QAM	18.55	-1.6	16.95	49.55	1000	PASS
n77(3700-3980)	30	60	663332	81@40	DFT_16QAM	19.68	-1.6	18.08	64.27	1000	PASS
n77(3700-3980)	30	60	663332	1@1	DFT_16QAM	19	-1.6	17.4	54.95	1000	PASS
n77(3700-3980)	30	60	663332	1@160	DFT_16QAM	19.48	-1.6	17.88	61.38	1000	PASS
n77(3700-3980)	30	60	663332	162@0	DFT_64QAM	18.25	-1.6	16.65	46.24	1000	PASS
n77(3700-3980)	30	60	663332	81@40	DFT_64QAM	18.31	-1.6	16.71	46.88	1000	PASS
n77(3700-3980)	30	60	663332	1@1	DFT_64QAM	17.67	-1.6	16.07	40.46	1000	PASS
n77(3700-3980)	30	60	663332	1@160	DFT_64QAM	17.92	-1.6	16.32	42.85	1000	PASS
n77(3700-3980)	30	60	663332	162@0	DFT_256QAM	16.2	-1.6	14.6	28.84	1000	PASS
n77(3700-3980)	30	60	663332	81@40	DFT_256QAM	16.28	-1.6	14.68	29.38	1000	PASS
n77(3700-3980)	30	60	663332	1@1	DFT_256QAM	15.82	-1.6	14.22	26.42	1000	PASS
n77(3700-3980)	30	60	663332	1@160	DFT_256QAM	16.3	-1.6	14.7	29.51	1000	PASS
n77(3700-3980)	30	60	663332	162@0	CP_QPSK	17.69	-1.6	16.09	40.64	1000	PASS
n77(3700-3980)	30	60	663332	81@40	CP_QPSK	19.12	-1.6	17.52	56.49	1000	PASS
n77(3700-3980)	30	60	663332	1@1	CP_QPSK	18.6	-1.6	17	50.12	1000	PASS
n77(3700-3980)	30	60	663332	1@160	CP_QPSK	19.05	-1.6	17.45	55.59	1000	PASS

n77(3700-3980)	30	60	663332	162@0	CP_16QAM	17.7	-1.6	16.1	40.74	1000	PASS
n77(3700-3980)	30	60	663332	81@40	CP_16QAM	18.67	-1.6	17.07	50.93	1000	PASS
n77(3700-3980)	30	60	663332	1@1	CP_16QAM	18.21	-1.6	16.61	45.81	1000	PASS
n77(3700-3980)	30	60	663332	1@160	CP_16QAM	18.69	-1.6	17.09	51.17	1000	PASS
n77(3700-3980)	30	60	663332	162@0	CP_64QAM	17.19	-1.6	15.59	36.22	1000	PASS
n77(3700-3980)	30	60	663332	81@40	CP_64QAM	17.28	-1.6	15.68	36.98	1000	PASS
n77(3700-3980)	30	60	663332	1@1	CP_64QAM	17.2	-1.6	15.6	36.31	1000	PASS
n77(3700-3980)	30	60	663332	1@160	CP_64QAM	17.42	-1.6	15.82	38.19	1000	PASS
n77(3700-3980)	30	60	663332	162@0	CP_256QAM	14.18	-1.6	12.58	18.11	1000	PASS
n77(3700-3980)	30	60	663332	81@40	CP_256QAM	14.26	-1.6	12.66	18.45	1000	PASS
n77(3700-3980)	30	60	663332	1@1	CP_256QAM	13.79	-1.6	12.19	16.56	1000	PASS
n77(3700-3980)	30	60	663332	1@160	CP_256QAM	14.24	-1.6	12.64	18.37	1000	PASS
n77(3700-3980)	30	70	649000	180@0	DFT_BPSK	20.29	-1.6	18.69	73.96	1000	PASS
n77(3700-3980)	30	70	649000	90@45	DFT_BPSK	20.91	-1.6	19.31	85.31	1000	PASS
n77(3700-3980)	30	70	649000	1@1	DFT_BPSK	20.19	-1.6	18.59	72.28	1000	PASS
n77(3700-3980)	30	70	649000	1@187	DFT_BPSK	20.72	-1.6	19.12	81.66	1000	PASS
n77(3700-3980)	30	70	649000	180@0	DFT_QPSK	19.78	-1.6	18.18	65.77	1000	PASS
n77(3700-3980)	30	70	649000	90@45	DFT_QPSK	20.92	-1.6	19.32	85.51	1000	PASS
n77(3700-3980)	30	70	649000	1@1	DFT_QPSK	20.12	-1.6	18.52	71.12	1000	PASS
n77(3700-3980)	30	70	649000	1@187	DFT_QPSK	20.7	-1.6	19.1	81.28	1000	PASS
n77(3700-3980)	30	70	649000	180@0	DFT_16QAM	18.97	-1.6	17.37	54.58	1000	PASS
n77(3700-3980)	30	70	649000	90@45	DFT_16QAM	19.88	-1.6	18.28	67.3	1000	PASS
n77(3700-3980)	30	70	649000	1@1	DFT_16QAM	19.05	-1.6	17.45	55.59	1000	PASS
n77(3700-3980)	30	70	649000	1@187	DFT_16QAM	19.58	-1.6	17.98	62.81	1000	PASS
n77(3700-3980)	30	70	649000	180@0	DFT_64QAM	18.1	-1.6	16.5	44.67	1000	PASS
n77(3700-3980)	30	70	649000	90@45	DFT_64QAM	18.56	-1.6	16.96	49.66	1000	PASS
n77(3700-3980)	30	70	649000	1@1	DFT_64QAM	18.3	-1.6	16.7	46.77	1000	PASS
n77(3700-3980)	30	70	649000	1@187	DFT_64QAM	18.29	-1.6	16.69	46.67	1000	PASS
n77(3700-3980)	30	70	649000	180@0	DFT_256QAM	16.46	-1.6	14.86	30.62	1000	PASS
n77(3700-3980)	30	70	649000	90@45	DFT_256QAM	16.55	-1.6	14.95	31.26	1000	PASS
n77(3700-3980)	30	70	649000	1@1	DFT_256QAM	16.8	-1.6	15.2	33.11	1000	PASS
n77(3700-3980)	30	70	649000	1@187	DFT_256QAM	16.46	-1.6	14.86	30.62	1000	PASS
n77(3700-3980)	30	70	649000	189@0	CP_QPSK	17.96	-1.6	16.36	43.25	1000	PASS
n77(3700-3980)	30	70	649000	95@47	CP_QPSK	19.56	-1.6	17.96	62.52	1000	PASS
n77(3700-3980)	30	70	649000	1@1	CP_QPSK	19.6	-1.6	18	63.1	1000	PASS
n77(3700-3980)	30	70	649000	1@187	CP_QPSK	19.49	-1.6	17.89	61.52	1000	PASS
n77(3700-3980)	30	70	649000	189@0	CP_16QAM	17.96	-1.6	16.36	43.25	1000	PASS
n77(3700-3980)	30	70	649000	95@47	CP_16QAM	19.06	-1.6	17.46	55.72	1000	PASS
n77(3700-3980)	30	70	649000	1@1	CP_16QAM	19.2	-1.6	17.6	57.54	1000	PASS
n77(3700-3980)	30	70	649000	1@187	CP_16QAM	19.09	-1.6	17.49	56.1	1000	PASS
n77(3700-3980)	30	70	649000	189@0	CP_64QAM	17.52	-1.6	15.92	39.08	1000	PASS
n77(3700-3980)	30	70	649000	95@47	CP_64QAM	17.57	-1.6	15.97	39.54	1000	PASS
n77(3700-3980)	30	70	649000	1@1	CP_64QAM	17.06	-1.6	15.46	35.16	1000	PASS

n77(3700-3980)	30	70	649000	1@187	CP_64QAM	17.62	-1.6	16.02	39.99	1000	PASS
n77(3700-3980)	30	70	649000	189@0	CP_256QAM	14.5	-1.6	12.9	19.5	1000	PASS
n77(3700-3980)	30	70	649000	95@47	CP_256QAM	14.43	-1.6	12.83	19.19	1000	PASS
n77(3700-3980)	30	70	649000	1@1	CP_256QAM	13.77	-1.6	12.17	16.48	1000	PASS
n77(3700-3980)	30	70	649000	1@187	CP_256QAM	14.35	-1.6	12.75	18.84	1000	PASS
n77(3700-3980)	30	70	656000	180@0	DFT_BPSK	19.97	-1.6	18.37	68.71	1000	PASS
n77(3700-3980)	30	70	656000	90@45	DFT_BPSK	20.57	-1.6	18.97	78.89	1000	PASS
n77(3700-3980)	30	70	656000	1@1	DFT_BPSK	19.87	-1.6	18.27	67.14	1000	PASS
n77(3700-3980)	30	70	656000	1@187	DFT_BPSK	20.32	-1.6	18.72	74.47	1000	PASS
n77(3700-3980)	30	70	656000	180@0	DFT_QPSK	19.46	-1.6	17.86	61.09	1000	PASS
n77(3700-3980)	30	70	656000	90@45	DFT_QPSK	20.59	-1.6	18.99	79.25	1000	PASS
n77(3700-3980)	30	70	656000	1@1	DFT_QPSK	19.81	-1.6	18.21	66.22	1000	PASS
n77(3700-3980)	30	70	656000	1@187	DFT_QPSK	20.28	-1.6	18.68	73.79	1000	PASS
n77(3700-3980)	30	70	656000	180@0	DFT_16QAM	18.64	-1.6	17.04	50.58	1000	PASS
n77(3700-3980)	30	70	656000	90@45	DFT_16QAM	19.57	-1.6	17.97	62.66	1000	PASS
n77(3700-3980)	30	70	656000	1@1	DFT_16QAM	19.9	-1.6	18.3	67.61	1000	PASS
n77(3700-3980)	30	70	656000	1@187	DFT_16QAM	19.14	-1.6	17.54	56.75	1000	PASS
n77(3700-3980)	30	70	656000	180@0	DFT_64QAM	18.11	-1.6	16.51	44.77	1000	PASS
n77(3700-3980)	30	70	656000	90@45	DFT_64QAM	17.5	-1.6	15.9	38.9	1000	PASS
n77(3700-3980)	30	70	656000	1@1	DFT_64QAM	17.38	-1.6	15.78	37.84	1000	PASS
n77(3700-3980)	30	70	656000	1@187	DFT_64QAM	17.2	-1.6	15.6	36.31	1000	PASS
n77(3700-3980)	30	70	656000	180@0	DFT_256QAM	16.16	-1.6	14.56	28.58	1000	PASS
n77(3700-3980)	30	70	656000	90@45	DFT_256QAM	16.24	-1.6	14.64	29.11	1000	PASS
n77(3700-3980)	30	70	656000	1@1	DFT_256QAM	16.1	-1.6	14.5	28.18	1000	PASS
n77(3700-3980)	30	70	656000	1@187	DFT_256QAM	16.02	-1.6	14.42	27.67	1000	PASS
n77(3700-3980)	30	70	656000	189@0	CP_QPSK	17.65	-1.6	16.05	40.27	1000	PASS
n77(3700-3980)	30	70	656000	95@47	CP_QPSK	19.02	-1.6	17.42	55.21	1000	PASS
n77(3700-3980)	30	70	656000	1@1	CP_QPSK	18.33	-1.6	16.73	47.1	1000	PASS
n77(3700-3980)	30	70	656000	1@187	CP_QPSK	18.8	-1.6	17.2	52.48	1000	PASS
n77(3700-3980)	30	70	656000	189@0	CP_16QAM	17.65	-1.6	16.05	40.27	1000	PASS
n77(3700-3980)	30	70	656000	95@47	CP_16QAM	18.7	-1.6	17.1	51.29	1000	PASS
n77(3700-3980)	30	70	656000	1@1	CP_16QAM	18.28	-1.6	16.68	46.56	1000	PASS
n77(3700-3980)	30	70	656000	1@187	CP_16QAM	18.4	-1.6	16.8	47.86	1000	PASS
n77(3700-3980)	30	70	656000	189@0	CP_64QAM	17.16	-1.6	15.56	35.97	1000	PASS
n77(3700-3980)	30	70	656000	95@47	CP_64QAM	17.23	-1.6	15.63	36.56	1000	PASS
n77(3700-3980)	30	70	656000	1@1	CP_64QAM	16.75	-1.6	15.15	32.73	1000	PASS
n77(3700-3980)	30	70	656000	1@187	CP_64QAM	17.18	-1.6	15.58	36.14	1000	PASS
n77(3700-3980)	30	70	656000	189@0	CP_256QAM	14.12	-1.6	12.52	17.86	1000	PASS
n77(3700-3980)	30	70	656000	95@47	CP_256QAM	14.26	-1.6	12.66	18.45	1000	PASS
n77(3700-3980)	30	70	656000	1@1	CP_256QAM	13.48	-1.6	11.88	15.42	1000	PASS
n77(3700-3980)	30	70	656000	1@187	CP_256QAM	13.87	-1.6	12.27	16.87	1000	PASS
n77(3700-3980)	30	70	663000	180@0	DFT_BPSK	20.08	-1.6	18.48	70.47	1000	PASS
n77(3700-3980)	30	70	663000	90@45	DFT_BPSK	20.66	-1.6	19.06	80.54	1000	PASS

n77(3700-3980)	30	70	663000	1@1	DFT_BPSK	20.01	-1.6	18.41	69.34	1000	PASS
n77(3700-3980)	30	70	663000	1@187	DFT_BPSK	20.58	-1.6	18.98	79.07	1000	PASS
n77(3700-3980)	30	70	663000	180@0	DFT_QPSK	19.56	-1.6	17.96	62.52	1000	PASS
n77(3700-3980)	30	70	663000	90@45	DFT_QPSK	20.63	-1.6	19.03	79.98	1000	PASS
n77(3700-3980)	30	70	663000	1@1	DFT_QPSK	19.96	-1.6	18.36	68.55	1000	PASS
n77(3700-3980)	30	70	663000	1@187	DFT_QPSK	20.54	-1.6	18.94	78.34	1000	PASS
n77(3700-3980)	30	70	663000	180@0	DFT_16QAM	19.2	-1.6	17.6	57.54	1000	PASS
n77(3700-3980)	30	70	663000	90@45	DFT_16QAM	19.63	-1.6	18.03	63.53	1000	PASS
n77(3700-3980)	30	70	663000	1@1	DFT_16QAM	18.85	-1.6	17.25	53.09	1000	PASS
n77(3700-3980)	30	70	663000	1@187	DFT_16QAM	19.43	-1.6	17.83	60.67	1000	PASS
n77(3700-3980)	30	70	663000	180@0	DFT_64QAM	18.23	-1.6	16.63	46.03	1000	PASS
n77(3700-3980)	30	70	663000	90@45	DFT_64QAM	18.29	-1.6	16.69	46.67	1000	PASS
n77(3700-3980)	30	70	663000	1@1	DFT_64QAM	17.56	-1.6	15.96	39.45	1000	PASS
n77(3700-3980)	30	70	663000	1@187	DFT_64QAM	17.1	-1.6	15.5	35.48	1000	PASS
n77(3700-3980)	30	70	663000	180@0	DFT_256QAM	16.6	-1.6	15	31.62	1000	PASS
n77(3700-3980)	30	70	663000	90@45	DFT_256QAM	16.32	-1.6	14.72	29.65	1000	PASS
n77(3700-3980)	30	70	663000	1@1	DFT_256QAM	15.75	-1.6	14.15	26	1000	PASS
n77(3700-3980)	30	70	663000	1@187	DFT_256QAM	15.1	-1.6	13.5	22.39	1000	PASS
n77(3700-3980)	30	70	663000	189@0	CP_QPSK	19.61	-1.6	18.01	63.24	1000	PASS
n77(3700-3980)	30	70	663000	95@47	CP_QPSK	19.33	-1.6	17.73	59.29	1000	PASS
n77(3700-3980)	30	70	663000	1@1	CP_QPSK	18.47	-1.6	16.87	48.64	1000	PASS
n77(3700-3980)	30	70	663000	1@187	CP_QPSK	19.59	-1.6	17.99	62.95	1000	PASS
n77(3700-3980)	30	70	663000	189@0	CP_16QAM	17.75	-1.6	16.15	41.21	1000	PASS
n77(3700-3980)	30	70	663000	95@47	CP_16QAM	17.93	-1.6	16.33	42.95	1000	PASS
n77(3700-3980)	30	70	663000	1@1	CP_16QAM	17.8	-1.6	16.2	41.69	1000	PASS
n77(3700-3980)	30	70	663000	1@187	CP_16QAM	18.83	-1.6	17.23	52.84	1000	PASS
n77(3700-3980)	30	70	663000	189@0	CP_64QAM	18.1	-1.6	16.5	44.67	1000	PASS
n77(3700-3980)	30	70	663000	95@47	CP_64QAM	17.57	-1.6	15.97	39.54	1000	PASS
n77(3700-3980)	30	70	663000	1@1	CP_64QAM	16.74	-1.6	15.14	32.66	1000	PASS
n77(3700-3980)	30	70	663000	1@187	CP_64QAM	16.6	-1.6	15	31.62	1000	PASS
n77(3700-3980)	30	70	663000	189@0	CP_256QAM	13.3	-1.6	11.7	14.79	1000	PASS
n77(3700-3980)	30	70	663000	95@47	CP_256QAM	13.2	-1.6	11.6	14.45	1000	PASS
n77(3700-3980)	30	70	663000	1@1	CP_256QAM	13.64	-1.6	12.04	16	1000	PASS
n77(3700-3980)	30	70	663000	1@187	CP_256QAM	13.1	-1.6	11.5	14.13	1000	PASS
n77(3700-3980)	30	80	649334	216@0	DFT_BPSK	20.39	-1.6	18.79	75.68	1000	PASS
n77(3700-3980)	30	80	649334	108@54	DFT_BPSK	21.01	-1.6	19.41	87.3	1000	PASS
n77(3700-3980)	30	80	649334	1@1	DFT_BPSK	20.11	-1.6	18.51	70.96	1000	PASS
n77(3700-3980)	30	80	649334	1@215	DFT_BPSK	20.66	-1.6	19.06	80.54	1000	PASS
n77(3700-3980)	30	80	649334	216@0	DFT_QPSK	19.86	-1.6	18.26	66.99	1000	PASS
n77(3700-3980)	30	80	649334	108@54	DFT_QPSK	20.99	-1.6	19.39	86.9	1000	PASS
n77(3700-3980)	30	80	649334	1@1	DFT_QPSK	20.03	-1.6	18.43	69.66	1000	PASS
n77(3700-3980)	30	80	649334	1@215	DFT_QPSK	20.65	-1.6	19.05	80.35	1000	PASS
n77(3700-3980)	30	80	649334	216@0	DFT_16QAM	19.07	-1.6	17.47	55.85	1000	PASS

n77(3700-3980)	30	80	649334	108@54	DFT_16QAM	19.95	-1.6	18.35	68.39	1000	PASS
n77(3700-3980)	30	80	649334	1@1	DFT_16QAM	19.3	-1.6	17.7	58.88	1000	PASS
n77(3700-3980)	30	80	649334	1@215	DFT_16QAM	19.55	-1.6	17.95	62.37	1000	PASS
n77(3700-3980)	30	80	649334	216@0	DFT_64QAM	18.56	-1.6	16.96	49.66	1000	PASS
n77(3700-3980)	30	80	649334	108@54	DFT_64QAM	18.59	-1.6	16.99	50	1000	PASS
n77(3700-3980)	30	80	649334	1@1	DFT_64QAM	17.92	-1.6	16.32	42.85	1000	PASS
n77(3700-3980)	30	80	649334	1@215	DFT_64QAM	18.48	-1.6	16.88	48.75	1000	PASS
n77(3700-3980)	30	80	649334	216@0	DFT_256QAM	16.52	-1.6	14.92	31.05	1000	PASS
n77(3700-3980)	30	80	649334	108@54	DFT_256QAM	16.64	-1.6	15.04	31.92	1000	PASS
n77(3700-3980)	30	80	649334	1@1	DFT_256QAM	15.76	-1.6	14.16	26.06	1000	PASS
n77(3700-3980)	30	80	649334	1@215	DFT_256QAM	16.31	-1.6	14.71	29.58	1000	PASS
n77(3700-3980)	30	80	649334	217@0	CP_QPSK	18.06	-1.6	16.46	44.26	1000	PASS
n77(3700-3980)	30	80	649334	109@54	CP_QPSK	19.67	-1.6	18.07	64.12	1000	PASS
n77(3700-3980)	30	80	649334	1@1	CP_QPSK	18.95	-1.6	17.35	54.33	1000	PASS
n77(3700-3980)	30	80	649334	1@215	CP_QPSK	19.55	-1.6	17.95	62.37	1000	PASS
n77(3700-3980)	30	80	649334	217@0	CP_16QAM	18.03	-1.6	16.43	43.95	1000	PASS
n77(3700-3980)	30	80	649334	109@54	CP_16QAM	19.14	-1.6	17.54	56.75	1000	PASS
n77(3700-3980)	30	80	649334	1@1	CP_16QAM	18.39	-1.6	16.79	47.75	1000	PASS
n77(3700-3980)	30	80	649334	1@215	CP_16QAM	18.95	-1.6	17.35	54.33	1000	PASS
n77(3700-3980)	30	80	649334	217@0	CP_64QAM	17.54	-1.6	15.94	39.26	1000	PASS
n77(3700-3980)	30	80	649334	109@54	CP_64QAM	17.64	-1.6	16.04	40.18	1000	PASS
n77(3700-3980)	30	80	649334	1@1	CP_64QAM	17.08	-1.6	15.48	35.32	1000	PASS
n77(3700-3980)	30	80	649334	1@215	CP_64QAM	17.63	-1.6	16.03	40.09	1000	PASS
n77(3700-3980)	30	80	649334	217@0	CP_256QAM	14.44	-1.6	12.84	19.23	1000	PASS
n77(3700-3980)	30	80	649334	109@54	CP_256QAM	14.57	-1.6	12.97	19.82	1000	PASS
n77(3700-3980)	30	80	649334	1@1	CP_256QAM	13.67	-1.6	12.07	16.11	1000	PASS
n77(3700-3980)	30	80	649334	1@215	CP_256QAM	14.19	-1.6	12.59	18.16	1000	PASS
n77(3700-3980)	30	80	656000	216@0	DFT_BPSK	19.94	-1.6	18.34	68.23	1000	PASS
n77(3700-3980)	30	80	656000	108@54	DFT_BPSK	20.56	-1.6	18.96	78.7	1000	PASS
n77(3700-3980)	30	80	656000	1@1	DFT_BPSK	19.72	-1.6	18.12	64.86	1000	PASS
n77(3700-3980)	30	80	656000	1@215	DFT_BPSK	20.26	-1.6	18.66	73.45	1000	PASS
n77(3700-3980)	30	80	656000	216@0	DFT_QPSK	19.4	-1.6	17.8	60.26	1000	PASS
n77(3700-3980)	30	80	656000	108@54	DFT_QPSK	20.55	-1.6	18.95	78.52	1000	PASS
n77(3700-3980)	30	80	656000	1@1	DFT_QPSK	19.63	-1.6	18.03	63.53	1000	PASS
n77(3700-3980)	30	80	656000	1@215	DFT_QPSK	20.21	-1.6	18.61	72.61	1000	PASS
n77(3700-3980)	30	80	656000	216@0	DFT_16QAM	18.62	-1.6	17.02	50.35	1000	PASS
n77(3700-3980)	30	80	656000	108@54	DFT_16QAM	19.52	-1.6	17.92	61.94	1000	PASS
n77(3700-3980)	30	80	656000	1@1	DFT_16QAM	18.6	-1.6	17	50.12	1000	PASS
n77(3700-3980)	30	80	656000	1@215	DFT_16QAM	19.14	-1.6	17.54	56.75	1000	PASS
n77(3700-3980)	30	80	656000	216@0	DFT_64QAM	18.12	-1.6	16.52	44.87	1000	PASS
n77(3700-3980)	30	80	656000	108@54	DFT_64QAM	18.15	-1.6	16.55	45.19	1000	PASS
n77(3700-3980)	30	80	656000	1@1	DFT_64QAM	17.47	-1.6	15.87	38.64	1000	PASS
n77(3700-3980)	30	80	656000	1@215	DFT_64QAM	18.03	-1.6	16.43	43.95	1000	PASS

n77(3700-3980)	30	80	656000	216@0	DFT_256QAM	16.08	-1.6	14.48	28.05	1000	PASS
n77(3700-3980)	30	80	656000	108@54	DFT_256QAM	16.21	-1.6	14.61	28.91	1000	PASS
n77(3700-3980)	30	80	656000	1@1	DFT_256QAM	15.36	-1.6	13.76	23.77	1000	PASS
n77(3700-3980)	30	80	656000	1@215	DFT_256QAM	15.93	-1.6	14.33	27.1	1000	PASS
n77(3700-3980)	30	80	656000	217@0	CP_QPSK	17.6	-1.6	16	39.81	1000	PASS
n77(3700-3980)	30	80	656000	109@54	CP_QPSK	19.02	-1.6	17.42	55.21	1000	PASS
n77(3700-3980)	30	80	656000	1@1	CP_QPSK	18.26	-1.6	16.66	46.34	1000	PASS
n77(3700-3980)	30	80	656000	1@215	CP_QPSK	18.78	-1.6	17.18	52.24	1000	PASS
n77(3700-3980)	30	80	656000	217@0	CP_16QAM	17.58	-1.6	15.98	39.63	1000	PASS
n77(3700-3980)	30	80	656000	109@54	CP_16QAM	18.67	-1.6	17.07	50.93	1000	PASS
n77(3700-3980)	30	80	656000	1@1	CP_16QAM	17.98	-1.6	16.38	43.45	1000	PASS
n77(3700-3980)	30	80	656000	1@215	CP_16QAM	18.16	-1.6	16.56	45.29	1000	PASS
n77(3700-3980)	30	80	656000	217@0	CP_64QAM	17.05	-1.6	15.45	35.08	1000	PASS
n77(3700-3980)	30	80	656000	109@54	CP_64QAM	17.2	-1.6	15.6	36.31	1000	PASS
n77(3700-3980)	30	80	656000	1@1	CP_64QAM	16.72	-1.6	15.12	32.51	1000	PASS
n77(3700-3980)	30	80	656000	1@215	CP_64QAM	17.25	-1.6	15.65	36.73	1000	PASS
n77(3700-3980)	30	80	656000	217@0	CP_256QAM	13.97	-1.6	12.37	17.26	1000	PASS
n77(3700-3980)	30	80	656000	109@54	CP_256QAM	14.13	-1.6	12.53	17.91	1000	PASS
n77(3700-3980)	30	80	656000	1@1	CP_256QAM	13.26	-1.6	11.66	14.66	1000	PASS
n77(3700-3980)	30	80	656000	1@215	CP_256QAM	13.79	-1.6	12.19	16.56	1000	PASS
n77(3700-3980)	30	80	662666	216@0	DFT_BPSK	20.03	-1.6	18.43	69.66	1000	PASS
n77(3700-3980)	30	80	662666	108@54	DFT_BPSK	20.6	-1.6	19	79.43	1000	PASS
n77(3700-3980)	30	80	662666	1@1	DFT_BPSK	19.81	-1.6	18.21	66.22	1000	PASS
n77(3700-3980)	30	80	662666	1@215	DFT_BPSK	20.41	-1.6	18.81	76.03	1000	PASS
n77(3700-3980)	30	80	662666	216@0	DFT_QPSK	19.51	-1.6	17.91	61.8	1000	PASS
n77(3700-3980)	30	80	662666	108@54	DFT_QPSK	20.57	-1.6	18.97	78.89	1000	PASS
n77(3700-3980)	30	80	662666	1@1	DFT_QPSK	19.75	-1.6	18.15	65.31	1000	PASS
n77(3700-3980)	30	80	662666	1@215	DFT_QPSK	20.36	-1.6	18.76	75.16	1000	PASS
n77(3700-3980)	30	80	662666	216@0	DFT_16QAM	18.5	-1.6	16.9	48.98	1000	PASS
n77(3700-3980)	30	80	662666	108@54	DFT_16QAM	19.55	-1.6	17.95	62.37	1000	PASS
n77(3700-3980)	30	80	662666	1@1	DFT_16QAM	18.62	-1.6	17.02	50.35	1000	PASS
n77(3700-3980)	30	80	662666	1@215	DFT_16QAM	19.26	-1.6	17.66	58.34	1000	PASS
n77(3700-3980)	30	80	662666	216@0	DFT_64QAM	18.21	-1.6	16.61	45.81	1000	PASS
n77(3700-3980)	30	80	662666	108@54	DFT_64QAM	18.19	-1.6	16.59	45.6	1000	PASS
n77(3700-3980)	30	80	662666	1@1	DFT_64QAM	17.58	-1.6	15.98	39.63	1000	PASS
n77(3700-3980)	30	80	662666	1@215	DFT_64QAM	17.87	-1.6	16.27	42.36	1000	PASS
n77(3700-3980)	30	80	662666	216@0	DFT_256QAM	16.19	-1.6	14.59	28.77	1000	PASS
n77(3700-3980)	30	80	662666	108@54	DFT_256QAM	16.19	-1.6	14.59	28.77	1000	PASS
n77(3700-3980)	30	80	662666	1@1	DFT_256QAM	15.48	-1.6	13.88	24.43	1000	PASS
n77(3700-3980)	30	80	662666	1@215	DFT_256QAM	16.08	-1.6	14.48	28.05	1000	PASS
n77(3700-3980)	30	80	662666	217@0	CP_QPSK	17.67	-1.6	16.07	40.46	1000	PASS
n77(3700-3980)	30	80	662666	109@54	CP_QPSK	19.01	-1.6	17.41	55.08	1000	PASS
n77(3700-3980)	30	80	662666	1@1	CP_QPSK	18.3	-1.6	16.7	46.77	1000	PASS

n77(3700-3980)	30	80	662666	1@215	CP_QPSK	18.94	-1.6	17.34	54.2	1000	PASS
n77(3700-3980)	30	80	662666	217@0	CP_16QAM	17.67	-1.6	16.07	40.46	1000	PASS
n77(3700-3980)	30	80	662666	109@54	CP_16QAM	18.52	-1.6	16.92	49.2	1000	PASS
n77(3700-3980)	30	80	662666	1@1	CP_16QAM	17.71	-1.6	16.11	40.83	1000	PASS
n77(3700-3980)	30	80	662666	1@215	CP_16QAM	18.31	-1.6	16.71	46.88	1000	PASS
n77(3700-3980)	30	80	662666	217@0	CP_64QAM	17.16	-1.6	15.56	35.97	1000	PASS
n77(3700-3980)	30	80	662666	109@54	CP_64QAM	17.19	-1.6	15.59	36.22	1000	PASS
n77(3700-3980)	30	80	662666	1@1	CP_64QAM	16.77	-1.6	15.17	32.89	1000	PASS
n77(3700-3980)	30	80	662666	1@215	CP_64QAM	17.38	-1.6	15.78	37.84	1000	PASS
n77(3700-3980)	30	80	662666	217@0	CP_256QAM	14.09	-1.6	12.49	17.74	1000	PASS
n77(3700-3980)	30	80	662666	109@54	CP_256QAM	14.16	-1.6	12.56	18.03	1000	PASS
n77(3700-3980)	30	80	662666	1@1	CP_256QAM	13.32	-1.6	11.72	14.86	1000	PASS
n77(3700-3980)	30	80	662666	1@215	CP_256QAM	13.97	-1.6	12.37	17.26	1000	PASS
n77(3700-3980)	30	90	649668	243@0	DFT_BPSK	20.37	-1.6	18.77	75.34	1000	PASS
n77(3700-3980)	30	90	649668	120@60	DFT_BPSK	21.02	-1.6	19.42	87.5	1000	PASS
n77(3700-3980)	30	90	649668	1@1	DFT_BPSK	19.97	-1.6	18.37	68.71	1000	PASS
n77(3700-3980)	30	90	649668	1@243	DFT_BPSK	20.53	-1.6	18.93	78.16	1000	PASS
n77(3700-3980)	30	90	649668	243@0	DFT_QPSK	19.86	-1.6	18.26	66.99	1000	PASS
n77(3700-3980)	30	90	649668	120@60	DFT_QPSK	21.02	-1.6	19.42	87.5	1000	PASS
n77(3700-3980)	30	90	649668	1@1	DFT_QPSK	19.93	-1.6	18.33	68.08	1000	PASS
n77(3700-3980)	30	90	649668	1@243	DFT_QPSK	20.46	-1.6	18.86	76.91	1000	PASS
n77(3700-3980)	30	90	649668	243@0	DFT_16QAM	19.07	-1.6	17.47	55.85	1000	PASS
n77(3700-3980)	30	90	649668	120@60	DFT_16QAM	19.99	-1.6	18.39	69.02	1000	PASS
n77(3700-3980)	30	90	649668	1@1	DFT_16QAM	18.94	-1.6	17.34	54.2	1000	PASS
n77(3700-3980)	30	90	649668	1@243	DFT_16QAM	19.49	-1.6	17.89	61.52	1000	PASS
n77(3700-3980)	30	90	649668	243@0	DFT_64QAM	18.56	-1.6	16.96	49.66	1000	PASS
n77(3700-3980)	30	90	649668	120@60	DFT_64QAM	18.65	-1.6	17.05	50.7	1000	PASS
n77(3700-3980)	30	90	649668	1@1	DFT_64QAM	17.73	-1.6	16.13	41.02	1000	PASS
n77(3700-3980)	30	90	649668	1@243	DFT_64QAM	18.3	-1.6	16.7	46.77	1000	PASS
n77(3700-3980)	30	90	649668	243@0	DFT_256QAM	16.53	-1.6	14.93	31.12	1000	PASS
n77(3700-3980)	30	90	649668	120@60	DFT_256QAM	16.65	-1.6	15.05	31.99	1000	PASS
n77(3700-3980)	30	90	649668	1@1	DFT_256QAM	15.6	-1.6	14	25.12	1000	PASS
n77(3700-3980)	30	90	649668	1@243	DFT_256QAM	16.21	-1.6	14.61	28.91	1000	PASS
n77(3700-3980)	30	90	649668	245@0	CP_QPSK	18.04	-1.6	16.44	44.06	1000	PASS
n77(3700-3980)	30	90	649668	123@61	CP_QPSK	19.7	-1.6	18.1	64.57	1000	PASS
n77(3700-3980)	30	90	649668	1@1	CP_QPSK	18.8	-1.6	17.2	52.48	1000	PASS
n77(3700-3980)	30	90	649668	1@243	CP_QPSK	18.97	-1.6	17.37	54.58	1000	PASS
n77(3700-3980)	30	90	649668	245@0	CP_16QAM	18.05	-1.6	16.45	44.16	1000	PASS
n77(3700-3980)	30	90	649668	123@61	CP_16QAM	19.21	-1.6	17.61	57.68	1000	PASS
n77(3700-3980)	30	90	649668	1@1	CP_16QAM	18.25	-1.6	16.65	46.24	1000	PASS
n77(3700-3980)	30	90	649668	1@243	CP_16QAM	18.79	-1.6	17.19	52.36	1000	PASS
n77(3700-3980)	30	90	649668	245@0	CP_64QAM	17.53	-1.6	15.93	39.17	1000	PASS
n77(3700-3980)	30	90	649668	123@61	CP_64QAM	17.68	-1.6	16.08	40.55	1000	PASS

n77(3700-3980)	30	90	649668	1@1	CP_64QAM	16.97	-1.6	15.37	34.43	1000	PASS
n77(3700-3980)	30	90	649668	1@243	CP_64QAM	17.49	-1.6	15.89	38.82	1000	PASS
n77(3700-3980)	30	90	649668	245@0	CP_256QAM	14.47	-1.6	12.87	19.36	1000	PASS
n77(3700-3980)	30	90	649668	123@61	CP_256QAM	14.63	-1.6	13.03	20.09	1000	PASS
n77(3700-3980)	30	90	649668	1@1	CP_256QAM	13.6	-1.6	12	15.85	1000	PASS
n77(3700-3980)	30	90	649668	1@243	CP_256QAM	14.15	-1.6	12.55	17.99	1000	PASS
n77(3700-3980)	30	90	656000	243@0	DFT_BPSK	19.88	-1.6	18.28	67.3	1000	PASS
n77(3700-3980)	30	90	656000	120@60	DFT_BPSK	20.52	-1.6	18.92	77.98	1000	PASS
n77(3700-3980)	30	90	656000	1@1	DFT_BPSK	19.5	-1.6	17.9	61.66	1000	PASS
n77(3700-3980)	30	90	656000	1@243	DFT_BPSK	20.13	-1.6	18.53	71.29	1000	PASS
n77(3700-3980)	30	90	656000	243@0	DFT_QPSK	19.36	-1.6	17.76	59.7	1000	PASS
n77(3700-3980)	30	90	656000	120@60	DFT_QPSK	20.53	-1.6	18.93	78.16	1000	PASS
n77(3700-3980)	30	90	656000	1@1	DFT_QPSK	19.45	-1.6	17.85	60.95	1000	PASS
n77(3700-3980)	30	90	656000	1@243	DFT_QPSK	20.12	-1.6	18.52	71.12	1000	PASS
n77(3700-3980)	30	90	656000	243@0	DFT_16QAM	18.57	-1.6	16.97	49.77	1000	PASS
n77(3700-3980)	30	90	656000	120@60	DFT_16QAM	19.51	-1.6	17.91	61.8	1000	PASS
n77(3700-3980)	30	90	656000	1@1	DFT_16QAM	18.49	-1.6	16.89	48.87	1000	PASS
n77(3700-3980)	30	90	656000	1@243	DFT_16QAM	19.13	-1.6	17.53	56.62	1000	PASS
n77(3700-3980)	30	90	656000	243@0	DFT_64QAM	18.06	-1.6	16.46	44.26	1000	PASS
n77(3700-3980)	30	90	656000	120@60	DFT_64QAM	18.16	-1.6	16.56	45.29	1000	PASS
n77(3700-3980)	30	90	656000	1@1	DFT_64QAM	17.26	-1.6	15.66	36.81	1000	PASS
n77(3700-3980)	30	90	656000	1@243	DFT_64QAM	17.94	-1.6	16.34	43.05	1000	PASS
n77(3700-3980)	30	90	656000	243@0	DFT_256QAM	16.04	-1.6	14.44	27.8	1000	PASS
n77(3700-3980)	30	90	656000	120@60	DFT_256QAM	16.16	-1.6	14.56	28.58	1000	PASS
n77(3700-3980)	30	90	656000	1@1	DFT_256QAM	15.2	-1.6	13.6	22.91	1000	PASS
n77(3700-3980)	30	90	656000	1@243	DFT_256QAM	15.82	-1.6	14.22	26.42	1000	PASS
n77(3700-3980)	30	90	656000	245@0	CP_QPSK	17.53	-1.6	15.93	39.17	1000	PASS
n77(3700-3980)	30	90	656000	123@61	CP_QPSK	19.01	-1.6	17.41	55.08	1000	PASS
n77(3700-3980)	30	90	656000	1@1	CP_QPSK	17.95	-1.6	16.35	43.15	1000	PASS
n77(3700-3980)	30	90	656000	1@243	CP_QPSK	18.59	-1.6	16.99	50	1000	PASS
n77(3700-3980)	30	90	656000	245@0	CP_16QAM	17.53	-1.6	15.93	39.17	1000	PASS
n77(3700-3980)	30	90	656000	123@61	CP_16QAM	18.67	-1.6	17.07	50.93	1000	PASS
n77(3700-3980)	30	90	656000	1@1	CP_16QAM	17.76	-1.6	16.16	41.3	1000	PASS
n77(3700-3980)	30	90	656000	1@243	CP_16QAM	18.03	-1.6	16.43	43.95	1000	PASS
n77(3700-3980)	30	90	656000	245@0	CP_64QAM	17.03	-1.6	15.43	34.91	1000	PASS
n77(3700-3980)	30	90	656000	123@61	CP_64QAM	17.16	-1.6	15.56	35.97	1000	PASS
n77(3700-3980)	30	90	656000	1@1	CP_64QAM	16.42	-1.6	14.82	30.34	1000	PASS
n77(3700-3980)	30	90	656000	1@243	CP_64QAM	16.98	-1.6	15.38	34.51	1000	PASS
n77(3700-3980)	30	90	656000	245@0	CP_256QAM	13.98	-1.6	12.38	17.3	1000	PASS
n77(3700-3980)	30	90	656000	123@61	CP_256QAM	14.13	-1.6	12.53	17.91	1000	PASS
n77(3700-3980)	30	90	656000	1@1	CP_256QAM	12.93	-1.6	11.33	13.58	1000	PASS
n77(3700-3980)	30	90	656000	1@243	CP_256QAM	13.5	-1.6	11.9	15.49	1000	PASS
n77(3700-3980)	30	90	662332	243@0	DFT_BPSK	20.1	-1.6	18.5	70.79	1000	PASS

n77(3700-3980)	30	90	662332	120@60	DFT_BPSK	20.66	-1.6	19.06	80.54	1000	PASS
n77(3700-3980)	30	90	662332	1@1	DFT_BPSK	19.73	-1.6	18.13	65.01	1000	PASS
n77(3700-3980)	30	90	662332	1@243	DFT_BPSK	20.38	-1.6	18.78	75.51	1000	PASS
n77(3700-3980)	30	90	662332	243@0	DFT_QPSK	19.55	-1.6	17.95	62.37	1000	PASS
n77(3700-3980)	30	90	662332	120@60	DFT_QPSK	20.68	-1.6	19.08	80.91	1000	PASS
n77(3700-3980)	30	90	662332	1@1	DFT_QPSK	19.73	-1.6	18.13	65.01	1000	PASS
n77(3700-3980)	30	90	662332	1@243	DFT_QPSK	20.39	-1.6	18.79	75.68	1000	PASS
n77(3700-3980)	30	90	662332	243@0	DFT_16QAM	18.53	-1.6	16.93	49.32	1000	PASS
n77(3700-3980)	30	90	662332	120@60	DFT_16QAM	19.63	-1.6	18.03	63.53	1000	PASS
n77(3700-3980)	30	90	662332	1@1	DFT_16QAM	18.74	-1.6	17.14	51.76	1000	PASS
n77(3700-3980)	30	90	662332	1@243	DFT_16QAM	19.4	-1.6	17.8	60.26	1000	PASS
n77(3700-3980)	30	90	662332	243@0	DFT_64QAM	18.27	-1.6	16.67	46.45	1000	PASS
n77(3700-3980)	30	90	662332	120@60	DFT_64QAM	18.29	-1.6	16.69	46.67	1000	PASS
n77(3700-3980)	30	90	662332	1@1	DFT_64QAM	17.55	-1.6	15.95	39.36	1000	PASS
n77(3700-3980)	30	90	662332	1@243	DFT_64QAM	17.87	-1.6	16.27	42.36	1000	PASS
n77(3700-3980)	30	90	662332	243@0	DFT_256QAM	16.25	-1.6	14.65	29.17	1000	PASS
n77(3700-3980)	30	90	662332	120@60	DFT_256QAM	16.32	-1.6	14.72	29.65	1000	PASS
n77(3700-3980)	30	90	662332	1@1	DFT_256QAM	15.22	-1.6	13.62	23.01	1000	PASS
n77(3700-3980)	30	90	662332	1@243	DFT_256QAM	15.84	-1.6	14.24	26.55	1000	PASS
n77(3700-3980)	30	90	662332	245@0	CP_QPSK	17.72	-1.6	16.12	40.93	1000	PASS
n77(3700-3980)	30	90	662332	123@61	CP_QPSK	19.12	-1.6	17.52	56.49	1000	PASS
n77(3700-3980)	30	90	662332	1@1	CP_QPSK	18.16	-1.6	16.56	45.29	1000	PASS
n77(3700-3980)	30	90	662332	1@243	CP_QPSK	18.91	-1.6	17.31	53.83	1000	PASS
n77(3700-3980)	30	90	662332	245@0	CP_16QAM	17.72	-1.6	16.12	40.93	1000	PASS
n77(3700-3980)	30	90	662332	123@61	CP_16QAM	18.62	-1.6	17.02	50.35	1000	PASS
n77(3700-3980)	30	90	662332	1@1	CP_16QAM	17.63	-1.6	16.03	40.09	1000	PASS
n77(3700-3980)	30	90	662332	1@243	CP_16QAM	18.37	-1.6	16.77	47.53	1000	PASS
n77(3700-3980)	30	90	662332	245@0	CP_64QAM	17.24	-1.6	15.64	36.64	1000	PASS
n77(3700-3980)	30	90	662332	123@61	CP_64QAM	17.28	-1.6	15.68	36.98	1000	PASS
n77(3700-3980)	30	90	662332	1@1	CP_64QAM	16.61	-1.6	15.01	31.7	1000	PASS
n77(3700-3980)	30	90	662332	1@243	CP_64QAM	17.32	-1.6	15.72	37.33	1000	PASS
n77(3700-3980)	30	90	662332	245@0	CP_256QAM	14.17	-1.6	12.57	18.07	1000	PASS
n77(3700-3980)	30	90	662332	123@61	CP_256QAM	14.24	-1.6	12.64	18.37	1000	PASS
n77(3700-3980)	30	90	662332	1@1	CP_256QAM	13.13	-1.6	11.53	14.22	1000	PASS
n77(3700-3980)	30	90	662332	1@243	CP_256QAM	13.87	-1.6	12.27	16.87	1000	PASS
n77(3700-3980)	30	100	650000	270@0	DFT_BPSK	20.3	-1.6	18.7	74.13	1000	PASS
n77(3700-3980)	30	100	650000	135@67	DFT_BPSK	21.04	-1.6	19.44	87.9	1000	PASS
n77(3700-3980)	30	100	650000	1@1	DFT_BPSK	19.81	-1.6	18.21	66.22	1000	PASS
n77(3700-3980)	30	100	650000	1@271	DFT_BPSK	20.28	-1.6	18.68	73.79	1000	PASS
n77(3700-3980)	30	100	650000	270@0	DFT_QPSK	19.78	-1.6	18.18	65.77	1000	PASS
n77(3700-3980)	30	100	650000	135@67	DFT_QPSK	21.04	-1.6	19.44	87.9	1000	PASS
n77(3700-3980)	30	100	650000	1@1	DFT_QPSK	19.78	-1.6	18.18	65.77	1000	PASS
n77(3700-3980)	30	100	650000	1@271	DFT_QPSK	20.28	-1.6	18.68	73.79	1000	PASS

n77(3700-3980)	30	100	650000	270@0	DFT_16QAM	19.02	-1.6	17.42	55.21	1000	PASS
n77(3700-3980)	30	100	650000	135@67	DFT_16QAM	20.03	-1.6	18.43	69.66	1000	PASS
n77(3700-3980)	30	100	650000	1@1	DFT_16QAM	18.82	-1.6	17.22	52.72	1000	PASS
n77(3700-3980)	30	100	650000	1@271	DFT_16QAM	19.28	-1.6	17.68	58.61	1000	PASS
n77(3700-3980)	30	100	650000	270@0	DFT_64QAM	18.5	-1.6	16.9	48.98	1000	PASS
n77(3700-3980)	30	100	650000	135@67	DFT_64QAM	18.7	-1.6	17.1	51.29	1000	PASS
n77(3700-3980)	30	100	650000	1@1	DFT_64QAM	17.66	-1.6	16.06	40.36	1000	PASS
n77(3700-3980)	30	100	650000	1@271	DFT_64QAM	18.15	-1.6	16.55	45.19	1000	PASS
n77(3700-3980)	30	100	650000	270@0	DFT_256QAM	16.46	-1.6	14.86	30.62	1000	PASS
n77(3700-3980)	30	100	650000	135@67	DFT_256QAM	16.65	-1.6	15.05	31.99	1000	PASS
n77(3700-3980)	30	100	650000	1@1	DFT_256QAM	15.3	-1.6	13.7	23.44	1000	PASS
n77(3700-3980)	30	100	650000	1@271	DFT_256QAM	15.83	-1.6	14.23	26.49	1000	PASS
n77(3700-3980)	30	100	650000	273@0	CP_QPSK	17.98	-1.6	16.38	43.45	1000	PASS
n77(3700-3980)	30	100	650000	137@68	CP_QPSK	19.67	-1.6	18.07	64.12	1000	PASS
n77(3700-3980)	30	100	650000	1@1	CP_QPSK	18.66	-1.6	17.06	50.82	1000	PASS
n77(3700-3980)	30	100	650000	1@271	CP_QPSK	18.75	-1.6	17.15	51.88	1000	PASS
n77(3700-3980)	30	100	650000	273@0	CP_16QAM	18.01	-1.6	16.41	43.75	1000	PASS
n77(3700-3980)	30	100	650000	137@68	CP_16QAM	19.23	-1.6	17.63	57.94	1000	PASS
n77(3700-3980)	30	100	650000	1@1	CP_16QAM	18.1	-1.6	16.5	44.67	1000	PASS
n77(3700-3980)	30	100	650000	1@271	CP_16QAM	18.57	-1.6	16.97	49.77	1000	PASS
n77(3700-3980)	30	100	650000	273@0	CP_64QAM	17.47	-1.6	15.87	38.64	1000	PASS
n77(3700-3980)	30	100	650000	137@68	CP_64QAM	17.65	-1.6	16.05	40.27	1000	PASS
n77(3700-3980)	30	100	650000	1@1	CP_64QAM	16.75	-1.6	15.15	32.73	1000	PASS
n77(3700-3980)	30	100	650000	1@271	CP_64QAM	17.22	-1.6	15.62	36.48	1000	PASS
n77(3700-3980)	30	100	650000	273@0	CP_256QAM	14.42	-1.6	12.82	19.14	1000	PASS
n77(3700-3980)	30	100	650000	137@68	CP_256QAM	14.62	-1.6	13.02	20.04	1000	PASS
n77(3700-3980)	30	100	650000	1@1	CP_256QAM	13.29	-1.6	11.69	14.76	1000	PASS
n77(3700-3980)	30	100	650000	1@271	CP_256QAM	13.76	-1.6	12.16	16.44	1000	PASS
n77(3700-3980)	30	100	656000	270@0	DFT_BPSK	19.83	-1.6	18.23	66.53	1000	PASS
n77(3700-3980)	30	100	656000	135@67	DFT_BPSK	20.53	-1.6	18.93	78.16	1000	PASS
n77(3700-3980)	30	100	656000	1@1	DFT_BPSK	19.36	-1.6	17.76	59.7	1000	PASS
n77(3700-3980)	30	100	656000	1@271	DFT_BPSK	19.97	-1.6	18.37	68.71	1000	PASS
n77(3700-3980)	30	100	656000	270@0	DFT_QPSK	19.31	-1.6	17.71	59.02	1000	PASS
n77(3700-3980)	30	100	656000	135@67	DFT_QPSK	20.52	-1.6	18.92	77.98	1000	PASS
n77(3700-3980)	30	100	656000	1@1	DFT_QPSK	19.35	-1.6	17.75	59.57	1000	PASS
n77(3700-3980)	30	100	656000	1@271	DFT_QPSK	19.98	-1.6	18.38	68.87	1000	PASS
n77(3700-3980)	30	100	656000	270@0	DFT_16QAM	18.52	-1.6	16.92	49.2	1000	PASS
n77(3700-3980)	30	100	656000	135@67	DFT_16QAM	19.5	-1.6	17.9	61.66	1000	PASS
n77(3700-3980)	30	100	656000	1@1	DFT_16QAM	18.36	-1.6	16.76	47.42	1000	PASS
n77(3700-3980)	30	100	656000	1@271	DFT_16QAM	18.99	-1.6	17.39	54.83	1000	PASS
n77(3700-3980)	30	100	656000	270@0	DFT_64QAM	18.02	-1.6	16.42	43.85	1000	PASS
n77(3700-3980)	30	100	656000	135@67	DFT_64QAM	18.18	-1.6	16.58	45.5	1000	PASS
n77(3700-3980)	30	100	656000	1@1	DFT_64QAM	17.21	-1.6	15.61	36.39	1000	PASS

n77(3700-3980)	30	100	656000	1@271	DFT_64QAM	17.82	-1.6	16.22	41.88	1000	PASS
n77(3700-3980)	30	100	656000	270@0	DFT_256QAM	16	-1.6	14.4	27.54	1000	PASS
n77(3700-3980)	30	100	656000	135@67	DFT_256QAM	16.14	-1.6	14.54	28.44	1000	PASS
n77(3700-3980)	30	100	656000	1@1	DFT_256QAM	14.9	-1.6	13.3	21.38	1000	PASS
n77(3700-3980)	30	100	656000	1@271	DFT_256QAM	15.59	-1.6	13.99	25.06	1000	PASS
n77(3700-3980)	30	100	656000	273@0	CP_QPSK	17.51	-1.6	15.91	38.99	1000	PASS
n77(3700-3980)	30	100	656000	137@68	CP_QPSK	18.98	-1.6	17.38	54.7	1000	PASS
n77(3700-3980)	30	100	656000	1@1	CP_QPSK	17.82	-1.6	16.22	41.88	1000	PASS
n77(3700-3980)	30	100	656000	1@271	CP_QPSK	18.44	-1.6	16.84	48.31	1000	PASS
n77(3700-3980)	30	100	656000	273@0	CP_16QAM	17.52	-1.6	15.92	39.08	1000	PASS
n77(3700-3980)	30	100	656000	137@68	CP_16QAM	18.65	-1.6	17.05	50.7	1000	PASS
n77(3700-3980)	30	100	656000	1@1	CP_16QAM	17.7	-1.6	16.1	40.74	1000	PASS
n77(3700-3980)	30	100	656000	1@271	CP_16QAM	17.92	-1.6	16.32	42.85	1000	PASS
n77(3700-3980)	30	100	656000	273@0	CP_64QAM	17	-1.6	15.4	34.67	1000	PASS
n77(3700-3980)	30	100	656000	137@68	CP_64QAM	17.14	-1.6	15.54	35.81	1000	PASS
n77(3700-3980)	30	100	656000	1@1	CP_64QAM	16.42	-1.6	14.82	30.34	1000	PASS
n77(3700-3980)	30	100	656000	1@271	CP_64QAM	16.98	-1.6	15.38	34.51	1000	PASS
n77(3700-3980)	30	100	656000	273@0	CP_256QAM	13.92	-1.6	12.32	17.06	1000	PASS
n77(3700-3980)	30	100	656000	137@68	CP_256QAM	14.09	-1.6	12.49	17.74	1000	PASS
n77(3700-3980)	30	100	656000	1@1	CP_256QAM	13.07	-1.6	11.47	14.03	1000	PASS
n77(3700-3980)	30	100	656000	1@271	CP_256QAM	13.67	-1.6	12.07	16.11	1000	PASS
n77(3700-3980)	30	100	662000	270@0	DFT_BPSK	20.14	-1.6	18.54	71.45	1000	PASS
n77(3700-3980)	30	100	662000	135@67	DFT_BPSK	20.8	-1.6	19.2	83.18	1000	PASS
n77(3700-3980)	30	100	662000	1@1	DFT_BPSK	19.6	-1.6	18	63.1	1000	PASS
n77(3700-3980)	30	100	662000	1@271	DFT_BPSK	20.35	-1.6	18.75	74.99	1000	PASS
n77(3700-3980)	30	100	662000	270@0	DFT_QPSK	19.61	-1.6	18.01	63.24	1000	PASS
n77(3700-3980)	30	100	662000	135@67	DFT_QPSK	20.81	-1.6	19.21	83.37	1000	PASS
n77(3700-3980)	30	100	662000	1@1	DFT_QPSK	19.57	-1.6	17.97	62.66	1000	PASS
n77(3700-3980)	30	100	662000	1@271	DFT_QPSK	20.32	-1.6	18.72	74.47	1000	PASS
n77(3700-3980)	30	100	662000	270@0	DFT_16QAM	18.57	-1.6	16.97	49.77	1000	PASS
n77(3700-3980)	30	100	662000	135@67	DFT_16QAM	19.77	-1.6	18.17	65.61	1000	PASS
n77(3700-3980)	30	100	662000	1@1	DFT_16QAM	18.59	-1.6	16.99	50	1000	PASS
n77(3700-3980)	30	100	662000	1@271	DFT_16QAM	19.34	-1.6	17.74	59.43	1000	PASS
n77(3700-3980)	30	100	662000	270@0	DFT_64QAM	18.32	-1.6	16.72	46.99	1000	PASS
n77(3700-3980)	30	100	662000	135@67	DFT_64QAM	18.43	-1.6	16.83	48.19	1000	PASS
n77(3700-3980)	30	100	662000	1@1	DFT_64QAM	17.44	-1.6	15.84	38.37	1000	PASS
n77(3700-3980)	30	100	662000	1@271	DFT_64QAM	17.79	-1.6	16.19	41.59	1000	PASS
n77(3700-3980)	30	100	662000	270@0	DFT_256QAM	16.31	-1.6	14.71	29.58	1000	PASS
n77(3700-3980)	30	100	662000	135@67	DFT_256QAM	16.4	-1.6	14.8	30.2	1000	PASS
n77(3700-3980)	30	100	662000	1@1	DFT_256QAM	15.3	-1.6	13.7	23.44	1000	PASS
n77(3700-3980)	30	100	662000	1@271	DFT_256QAM	16.04	-1.6	14.44	27.8	1000	PASS
n77(3700-3980)	30	100	662000	273@0	CP_QPSK	17.76	-1.6	16.16	41.3	1000	PASS
n77(3700-3980)	30	100	662000	137@68	CP_QPSK	19.23	-1.6	17.63	57.94	1000	PASS

n77(3700-3980)	30	100	662000	1@1	CP_QPSK	18.08	-1.6	16.48	44.46	1000	PASS
n77(3700-3980)	30	100	662000	1@271	CP_QPSK	18.83	-1.6	17.23	52.84	1000	PASS
n77(3700-3980)	30	100	662000	273@0	CP_16QAM	17.77	-1.6	16.17	41.4	1000	PASS
n77(3700-3980)	30	100	662000	137@68	CP_16QAM	18.72	-1.6	17.12	51.52	1000	PASS
n77(3700-3980)	30	100	662000	1@1	CP_16QAM	17.51	-1.6	15.91	38.99	1000	PASS
n77(3700-3980)	30	100	662000	1@271	CP_16QAM	18.28	-1.6	16.68	46.56	1000	PASS
n77(3700-3980)	30	100	662000	273@0	CP_64QAM	17.28	-1.6	15.68	36.98	1000	PASS
n77(3700-3980)	30	100	662000	137@68	CP_64QAM	17.41	-1.6	15.81	38.11	1000	PASS
n77(3700-3980)	30	100	662000	1@1	CP_64QAM	16.61	-1.6	15.01	31.7	1000	PASS
n77(3700-3980)	30	100	662000	1@271	CP_64QAM	17.35	-1.6	15.75	37.58	1000	PASS
n77(3700-3980)	30	100	662000	273@0	CP_256QAM	14.17	-1.6	12.57	18.07	1000	PASS
n77(3700-3980)	30	100	662000	137@68	CP_256QAM	14.37	-1.6	12.77	18.92	1000	PASS
n77(3700-3980)	30	100	662000	1@1	CP_256QAM	13.29	-1.6	11.69	14.76	1000	PASS
n77(3700-3980)	30	100	662000	1@271	CP_256QAM	14.05	-1.6	12.45	17.58	1000	PASS

2. Frequency Stability

Temperature (°C)	Voltage (V)	Band	SCS (kHz)	Bandwidth (MHz)	UL Channel	RB Allocation	Modulation	Result(Hz)	Result (ppm)	Verdict
20(Ref.)	7.7	n77(3700-3980)	30	100	656000	270@0	DFT_BPSK	8.9	-0.00107	PASS
20	6.55	n77(3700-3980)	30	100	656000	270@0	DFT_BPSK	-9.8	-0.00255	PASS
20	8.86	n77(3700-3980)	30	100	656000	270@0	DFT_BPSK	2.4	0.00063	PASS
-30	7.7	n77(3700-3980)	30	100	656000	270@0	DFT_BPSK	7.1	0.00185	PASS
-20	7.7	n77(3700-3980)	30	100	656000	270@0	DFT_BPSK	-2.4	-0.00063	PASS
-10	7.7	n77(3700-3980)	30	100	656000	270@0	DFT_BPSK	-4.5	-0.00117	PASS
0	7.7	n77(3700-3980)	30	100	656000	270@0	DFT_BPSK	-8.2	-0.00214	PASS
10	7.7	n77(3700-3980)	30	100	656000	270@0	DFT_BPSK	-7.4	-0.00193	PASS
30	7.7	n77(3700-3980)	30	100	656000	270@0	DFT_BPSK	-10.3	-0.00268	PASS
40	7.7	n77(3700-3980)	30	100	656000	270@0	DFT_BPSK	5.3	0.00138	PASS
50	7.7	n77(3700-3980)	30	100	656000	270@0	DFT_BPSK	4.2	0.00109	PASS

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

3. Radiated Spurious Emissions

n77(3.7G) - DFT-s-OFDM - PI/2 BPSK - 100M - Middle Channel									
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	SPA. Reading (dBm)	S.G. Power (dBm)	Cable loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
4476	-65.49	-13	-27.15	-76.92	-72.30	5.09	11.90	H	Pass
8396	-56.42	-13	-32.39	-77.67	-60.73	6.91	11.22	H	Pass
15004	-48.13	-13	-27.28	-79.93	-51.94	10.4	14.21	H	Pass
5204	-61.02	-13	-25.42	-72.18	-67.19	5.63	11.80	V	Pass
8424	-56.15	-13	-28.28	-77.82	-60.57	6.92	11.34	V	Pass
15004	-48.19	-13	-25.87	-80.07	-52.00	10.4	14.21	V	Pass

Note: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.