

Appendix A: Test Results - n77(3.45G)

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(3450-3550)	30	10	630334	24@0	DFT_BPSK	18.89	-1.6	17.29	53.58	1000	PASS
n77(3450-3550)	30	10	630334	12@6	DFT_BPSK	19.43	-1.6	17.83	60.67	1000	PASS
n77(3450-3550)	30	10	630334	1@1	DFT_BPSK	19.37	-1.6	17.77	59.84	1000	PASS
n77(3450-3550)	30	10	630334	1@22	DFT_BPSK	19.45	-1.6	17.85	60.95	1000	PASS
n77(3450-3550)	30	10	630334	24@0	DFT_QPSK	18.39	-1.6	16.79	47.75	1000	PASS
n77(3450-3550)	30	10	630334	12@6	DFT_QPSK	19.44	-1.6	17.84	60.81	1000	PASS
n77(3450-3550)	30	10	630334	1@1	DFT_QPSK	19.3	-1.6	17.7	58.88	1000	PASS
n77(3450-3550)	30	10	630334	1@22	DFT_QPSK	19.39	-1.6	17.79	60.12	1000	PASS
n77(3450-3550)	30	10	630334	24@0	DFT_16QAM	17.37	-1.6	15.77	37.76	1000	PASS
n77(3450-3550)	30	10	630334	12@6	DFT_16QAM	18.4	-1.6	16.8	47.86	1000	PASS
n77(3450-3550)	30	10	630334	1@1	DFT_16QAM	18.27	-1.6	16.67	46.45	1000	PASS
n77(3450-3550)	30	10	630334	1@22	DFT_16QAM	18.35	-1.6	16.75	47.32	1000	PASS
n77(3450-3550)	30	10	630334	24@0	DFT_64QAM	16.84	-1.6	15.24	33.42	1000	PASS
n77(3450-3550)	30	10	630334	12@6	DFT_64QAM	16.87	-1.6	15.27	33.65	1000	PASS
n77(3450-3550)	30	10	630334	1@1	DFT_64QAM	16.91	-1.6	15.31	33.96	1000	PASS
n77(3450-3550)	30	10	630334	1@22	DFT_64QAM	17.03	-1.6	15.43	34.91	1000	PASS
n77(3450-3550)	30	10	630334	24@0	DFT_256QAM	14.76	-1.6	13.16	20.7	1000	PASS
n77(3450-3550)	30	10	630334	12@6	DFT_256QAM	14.3	-1.6	12.7	18.62	1000	PASS
n77(3450-3550)	30	10	630334	1@1	DFT_256QAM	14.77	-1.6	13.17	20.75	1000	PASS
n77(3450-3550)	30	10	630334	1@22	DFT_256QAM	14.9	-1.6	13.3	21.38	1000	PASS
n77(3450-3550)	30	10	630334	24@0	CP_QPSK	16.37	-1.6	14.77	29.99	1000	PASS
n77(3450-3550)	30	10	630334	12@6	CP_QPSK	17.9	-1.6	16.3	42.66	1000	PASS
n77(3450-3550)	30	10	630334	1@1	CP_QPSK	17.8	-1.6	16.2	41.69	1000	PASS
n77(3450-3550)	30	10	630334	1@22	CP_QPSK	17.85	-1.6	16.25	42.17	1000	PASS
n77(3450-3550)	30	10	630334	24@0	CP_16QAM	16.38	-1.6	14.78	30.06	1000	PASS
n77(3450-3550)	30	10	630334	12@6	CP_16QAM	17.43	-1.6	15.83	38.28	1000	PASS
n77(3450-3550)	30	10	630334	1@1	CP_16QAM	17.17	-1.6	15.57	36.06	1000	PASS
n77(3450-3550)	30	10	630334	1@22	CP_16QAM	17.26	-1.6	15.66	36.81	1000	PASS
n77(3450-3550)	30	10	630334	24@0	CP_64QAM	15.85	-1.6	14.25	26.61	1000	PASS
n77(3450-3550)	30	10	630334	12@6	CP_64QAM	15.86	-1.6	14.26	26.67	1000	PASS
n77(3450-3550)	30	10	630334	1@1	CP_64QAM	15.88	-1.6	14.28	26.79	1000	PASS
n77(3450-3550)	30	10	630334	1@22	CP_64QAM	15.93	-1.6	14.33	27.1	1000	PASS
n77(3450-3550)	30	10	630334	24@0	CP_256QAM	12.85	-1.6	11.25	13.34	1000	PASS
n77(3450-3550)	30	10	630334	12@6	CP_256QAM	12.83	-1.6	11.23	13.27	1000	PASS

n77(3450-3550)	30	10	630334	1@1	CP_256QAM	12.75	-1.6	11.15	13.03	1000	PASS
n77(3450-3550)	30	10	630334	1@22	CP_256QAM	12.87	-1.6	11.27	13.4	1000	PASS
n77(3450-3550)	30	10	633334	24@0	DFT_BPSK	19.48	-1.6	17.88	61.38	1000	PASS
n77(3450-3550)	30	10	633334	12@6	DFT_BPSK	20	-1.6	18.4	69.18	1000	PASS
n77(3450-3550)	30	10	633334	1@1	DFT_BPSK	19.84	-1.6	18.24	66.68	1000	PASS
n77(3450-3550)	30	10	633334	1@22	DFT_BPSK	20	-1.6	18.4	69.18	1000	PASS
n77(3450-3550)	30	10	633334	24@0	DFT_QPSK	19.3	-1.6	17.7	58.88	1000	PASS
n77(3450-3550)	30	10	633334	12@6	DFT_QPSK	20	-1.6	18.4	69.18	1000	PASS
n77(3450-3550)	30	10	633334	1@1	DFT_QPSK	19.87	-1.6	18.27	67.14	1000	PASS
n77(3450-3550)	30	10	633334	1@22	DFT_QPSK	20.03	-1.6	18.43	69.66	1000	PASS
n77(3450-3550)	30	10	633334	24@0	DFT_16QAM	17.97	-1.6	16.37	43.35	1000	PASS
n77(3450-3550)	30	10	633334	12@6	DFT_16QAM	19	-1.6	17.4	54.95	1000	PASS
n77(3450-3550)	30	10	633334	1@1	DFT_16QAM	18.77	-1.6	17.17	52.12	1000	PASS
n77(3450-3550)	30	10	633334	1@22	DFT_16QAM	18.6	-1.6	17	50.12	1000	PASS
n77(3450-3550)	30	10	633334	24@0	DFT_64QAM	17.43	-1.6	15.83	38.28	1000	PASS
n77(3450-3550)	30	10	633334	12@6	DFT_64QAM	17.49	-1.6	15.89	38.82	1000	PASS
n77(3450-3550)	30	10	633334	1@1	DFT_64QAM	17.45	-1.6	15.85	38.46	1000	PASS
n77(3450-3550)	30	10	633334	1@22	DFT_64QAM	17.61	-1.6	16.01	39.9	1000	PASS
n77(3450-3550)	30	10	633334	24@0	DFT_256QAM	15.37	-1.6	13.77	23.82	1000	PASS
n77(3450-3550)	30	10	633334	12@6	DFT_256QAM	15.69	-1.6	14.09	25.64	1000	PASS
n77(3450-3550)	30	10	633334	1@1	DFT_256QAM	15.37	-1.6	13.77	23.82	1000	PASS
n77(3450-3550)	30	10	633334	1@22	DFT_256QAM	15.54	-1.6	13.94	24.77	1000	PASS
n77(3450-3550)	30	10	633334	24@0	CP_QPSK	16.94	-1.6	15.34	34.2	1000	PASS
n77(3450-3550)	30	10	633334	12@6	CP_QPSK	18.49	-1.6	16.89	48.87	1000	PASS
n77(3450-3550)	30	10	633334	1@1	CP_QPSK	18.6	-1.6	17	50.12	1000	PASS
n77(3450-3550)	30	10	633334	1@22	CP_QPSK	18.51	-1.6	16.91	49.09	1000	PASS
n77(3450-3550)	30	10	633334	24@0	CP_16QAM	16.93	-1.6	15.33	34.12	1000	PASS
n77(3450-3550)	30	10	633334	12@6	CP_16QAM	18.01	-1.6	16.41	43.75	1000	PASS
n77(3450-3550)	30	10	633334	1@1	CP_16QAM	17.76	-1.6	16.16	41.3	1000	PASS
n77(3450-3550)	30	10	633334	1@22	CP_16QAM	17.91	-1.6	16.31	42.76	1000	PASS
n77(3450-3550)	30	10	633334	24@0	CP_64QAM	16.48	-1.6	14.88	30.76	1000	PASS
n77(3450-3550)	30	10	633334	12@6	CP_64QAM	16.45	-1.6	14.85	30.55	1000	PASS
n77(3450-3550)	30	10	633334	1@1	CP_64QAM	16.4	-1.6	14.8	30.2	1000	PASS
n77(3450-3550)	30	10	633334	1@22	CP_64QAM	16.57	-1.6	14.97	31.41	1000	PASS
n77(3450-3550)	30	10	633334	24@0	CP_256QAM	13.41	-1.6	11.81	15.17	1000	PASS
n77(3450-3550)	30	10	633334	12@6	CP_256QAM	13.4	-1.6	11.8	15.14	1000	PASS
n77(3450-3550)	30	10	633334	1@1	CP_256QAM	13.35	-1.6	11.75	14.96	1000	PASS
n77(3450-3550)	30	10	633334	1@22	CP_256QAM	13.51	-1.6	11.91	15.52	1000	PASS
n77(3450-3550)	30	10	636332	24@0	DFT_BPSK	20.51	-1.6	18.91	77.8	1000	PASS
n77(3450-3550)	30	10	636332	12@6	DFT_BPSK	20.88	-1.6	19.28	84.72	1000	PASS
n77(3450-3550)	30	10	636332	1@1	DFT_BPSK	20.79	-1.6	19.19	82.99	1000	PASS
n77(3450-3550)	30	10	636332	1@22	DFT_BPSK	20.87	-1.6	19.27	84.53	1000	PASS
n77(3450-3550)	30	10	636332	24@0	DFT_QPSK	19.99	-1.6	18.39	69.02	1000	PASS

n77(3450-3550)	30	10	636332	12@6	DFT_QPSK	20.87	-1.6	19.27	84.53	1000	PASS
n77(3450-3550)	30	10	636332	1@1	DFT_QPSK	20.77	-1.6	19.17	82.6	1000	PASS
n77(3450-3550)	30	10	636332	1@22	DFT_QPSK	20.85	-1.6	19.25	84.14	1000	PASS
n77(3450-3550)	30	10	636332	24@0	DFT_16QAM	19	-1.6	17.4	54.95	1000	PASS
n77(3450-3550)	30	10	636332	12@6	DFT_16QAM	20.03	-1.6	18.43	69.66	1000	PASS
n77(3450-3550)	30	10	636332	1@1	DFT_16QAM	19.89	-1.6	18.29	67.45	1000	PASS
n77(3450-3550)	30	10	636332	1@22	DFT_16QAM	19.94	-1.6	18.34	68.23	1000	PASS
n77(3450-3550)	30	10	636332	24@0	DFT_64QAM	18.43	-1.6	16.83	48.19	1000	PASS
n77(3450-3550)	30	10	636332	12@6	DFT_64QAM	18.49	-1.6	16.89	48.87	1000	PASS
n77(3450-3550)	30	10	636332	1@1	DFT_64QAM	18.55	-1.6	16.95	49.55	1000	PASS
n77(3450-3550)	30	10	636332	1@22	DFT_64QAM	18.61	-1.6	17.01	50.23	1000	PASS
n77(3450-3550)	30	10	636332	24@0	DFT_256QAM	16.38	-1.6	14.78	30.06	1000	PASS
n77(3450-3550)	30	10	636332	12@6	DFT_256QAM	16.5	-1.6	14.9	30.9	1000	PASS
n77(3450-3550)	30	10	636332	1@1	DFT_256QAM	16.43	-1.6	14.83	30.41	1000	PASS
n77(3450-3550)	30	10	636332	1@22	DFT_256QAM	16.49	-1.6	14.89	30.83	1000	PASS
n77(3450-3550)	30	10	636332	24@0	CP_QPSK	17.98	-1.6	16.38	43.45	1000	PASS
n77(3450-3550)	30	10	636332	12@6	CP_QPSK	19.5	-1.6	17.9	61.66	1000	PASS
n77(3450-3550)	30	10	636332	1@1	CP_QPSK	19.38	-1.6	17.78	59.98	1000	PASS
n77(3450-3550)	30	10	636332	1@22	CP_QPSK	19.43	-1.6	17.83	60.67	1000	PASS
n77(3450-3550)	30	10	636332	24@0	CP_16QAM	17.95	-1.6	16.35	43.15	1000	PASS
n77(3450-3550)	30	10	636332	12@6	CP_16QAM	19.04	-1.6	17.44	55.46	1000	PASS
n77(3450-3550)	30	10	636332	1@1	CP_16QAM	18.6	-1.6	17	50.12	1000	PASS
n77(3450-3550)	30	10	636332	1@22	CP_16QAM	18.88	-1.6	17.28	53.46	1000	PASS
n77(3450-3550)	30	10	636332	24@0	CP_64QAM	17.51	-1.6	15.91	38.99	1000	PASS
n77(3450-3550)	30	10	636332	12@6	CP_64QAM	17.48	-1.6	15.88	38.73	1000	PASS
n77(3450-3550)	30	10	636332	1@1	CP_64QAM	17.47	-1.6	15.87	38.64	1000	PASS
n77(3450-3550)	30	10	636332	1@22	CP_64QAM	17.52	-1.6	15.92	39.08	1000	PASS
n77(3450-3550)	30	10	636332	24@0	CP_256QAM	14.44	-1.6	12.84	19.23	1000	PASS
n77(3450-3550)	30	10	636332	12@6	CP_256QAM	14.44	-1.6	12.84	19.23	1000	PASS
n77(3450-3550)	30	10	636332	1@1	CP_256QAM	14.39	-1.6	12.79	19.01	1000	PASS
n77(3450-3550)	30	10	636332	1@22	CP_256QAM	14.47	-1.6	12.87	19.36	1000	PASS
n77(3450-3550)	30	15	630500	36@0	DFT_BPSK	18.96	-1.6	17.36	54.45	1000	PASS
n77(3450-3550)	30	15	630500	18@9	DFT_BPSK	19.47	-1.6	17.87	61.24	1000	PASS
n77(3450-3550)	30	15	630500	1@1	DFT_BPSK	19.35	-1.6	17.75	59.57	1000	PASS
n77(3450-3550)	30	15	630500	1@36	DFT_BPSK	19.5	-1.6	17.9	61.66	1000	PASS
n77(3450-3550)	30	15	630500	36@0	DFT_QPSK	18.46	-1.6	16.86	48.53	1000	PASS
n77(3450-3550)	30	15	630500	18@9	DFT_QPSK	19.47	-1.6	17.87	61.24	1000	PASS
n77(3450-3550)	30	15	630500	1@1	DFT_QPSK	19.29	-1.6	17.69	58.75	1000	PASS
n77(3450-3550)	30	15	630500	1@36	DFT_QPSK	19.48	-1.6	17.88	61.38	1000	PASS
n77(3450-3550)	30	15	630500	36@0	DFT_16QAM	18.6	-1.6	17	50.12	1000	PASS
n77(3450-3550)	30	15	630500	18@9	DFT_16QAM	18.48	-1.6	16.88	48.75	1000	PASS
n77(3450-3550)	30	15	630500	1@1	DFT_16QAM	18.32	-1.6	16.72	46.99	1000	PASS
n77(3450-3550)	30	15	630500	1@36	DFT_16QAM	18.1	-1.6	16.5	44.67	1000	PASS

n77(3450-3550)	30	15	630500	36@0	DFT_64QAM	16.96	-1.6	15.36	34.36	1000	PASS
n77(3450-3550)	30	15	630500	18@9	DFT_64QAM	16.9	-1.6	15.3	33.88	1000	PASS
n77(3450-3550)	30	15	630500	1@1	DFT_64QAM	16.5	-1.6	14.9	30.9	1000	PASS
n77(3450-3550)	30	15	630500	1@36	DFT_64QAM	17.06	-1.6	15.46	35.16	1000	PASS
n77(3450-3550)	30	15	630500	36@0	DFT_256QAM	14.89	-1.6	13.29	21.33	1000	PASS
n77(3450-3550)	30	15	630500	18@9	DFT_256QAM	14.9	-1.6	13.3	21.38	1000	PASS
n77(3450-3550)	30	15	630500	1@1	DFT_256QAM	14.78	-1.6	13.18	20.8	1000	PASS
n77(3450-3550)	30	15	630500	1@36	DFT_256QAM	14.97	-1.6	13.37	21.73	1000	PASS
n77(3450-3550)	30	15	630500	38@0	CP_QPSK	16.43	-1.6	14.83	30.41	1000	PASS
n77(3450-3550)	30	15	630500	19@9	CP_QPSK	17.95	-1.6	16.35	43.15	1000	PASS
n77(3450-3550)	30	15	630500	1@1	CP_QPSK	17.77	-1.6	16.17	41.4	1000	PASS
n77(3450-3550)	30	15	630500	1@36	CP_QPSK	17.95	-1.6	16.35	43.15	1000	PASS
n77(3450-3550)	30	15	630500	38@0	CP_16QAM	16.44	-1.6	14.84	30.48	1000	PASS
n77(3450-3550)	30	15	630500	19@9	CP_16QAM	17.43	-1.6	15.83	38.28	1000	PASS
n77(3450-3550)	30	15	630500	1@1	CP_16QAM	17.16	-1.6	15.56	35.97	1000	PASS
n77(3450-3550)	30	15	630500	1@36	CP_16QAM	17.35	-1.6	15.75	37.58	1000	PASS
n77(3450-3550)	30	15	630500	38@0	CP_64QAM	15.95	-1.6	14.35	27.23	1000	PASS
n77(3450-3550)	30	15	630500	19@9	CP_64QAM	15.97	-1.6	14.37	27.35	1000	PASS
n77(3450-3550)	30	15	630500	1@1	CP_64QAM	15.83	-1.6	14.23	26.49	1000	PASS
n77(3450-3550)	30	15	630500	1@36	CP_64QAM	15.99	-1.6	14.39	27.48	1000	PASS
n77(3450-3550)	30	15	630500	38@0	CP_256QAM	12.92	-1.6	11.32	13.55	1000	PASS
n77(3450-3550)	30	15	630500	19@9	CP_256QAM	12.93	-1.6	11.33	13.58	1000	PASS
n77(3450-3550)	30	15	630500	1@1	CP_256QAM	12.8	-1.6	11.2	13.18	1000	PASS
n77(3450-3550)	30	15	630500	1@36	CP_256QAM	12.97	-1.6	11.37	13.71	1000	PASS
n77(3450-3550)	30	15	633334	36@0	DFT_BPSK	19.47	-1.6	17.87	61.24	1000	PASS
n77(3450-3550)	30	15	633334	18@9	DFT_BPSK	20	-1.6	18.4	69.18	1000	PASS
n77(3450-3550)	30	15	633334	1@1	DFT_BPSK	19.78	-1.6	18.18	65.77	1000	PASS
n77(3450-3550)	30	15	633334	1@36	DFT_BPSK	20.05	-1.6	18.45	69.98	1000	PASS
n77(3450-3550)	30	15	633334	36@0	DFT_QPSK	18.97	-1.6	17.37	54.58	1000	PASS
n77(3450-3550)	30	15	633334	18@9	DFT_QPSK	19.99	-1.6	18.39	69.02	1000	PASS
n77(3450-3550)	30	15	633334	1@1	DFT_QPSK	19.78	-1.6	18.18	65.77	1000	PASS
n77(3450-3550)	30	15	633334	1@36	DFT_QPSK	20.02	-1.6	18.42	69.5	1000	PASS
n77(3450-3550)	30	15	633334	36@0	DFT_16QAM	17.95	-1.6	16.35	43.15	1000	PASS
n77(3450-3550)	30	15	633334	18@9	DFT_16QAM	19.02	-1.6	17.42	55.21	1000	PASS
n77(3450-3550)	30	15	633334	1@1	DFT_16QAM	18.75	-1.6	17.15	51.88	1000	PASS
n77(3450-3550)	30	15	633334	1@36	DFT_16QAM	19.02	-1.6	17.42	55.21	1000	PASS
n77(3450-3550)	30	15	633334	36@0	DFT_64QAM	17.6	-1.6	16	39.81	1000	PASS
n77(3450-3550)	30	15	633334	18@9	DFT_64QAM	17.44	-1.6	15.84	38.37	1000	PASS
n77(3450-3550)	30	15	633334	1@1	DFT_64QAM	17.41	-1.6	15.81	38.11	1000	PASS
n77(3450-3550)	30	15	633334	1@36	DFT_64QAM	17.66	-1.6	16.06	40.36	1000	PASS
n77(3450-3550)	30	15	633334	36@0	DFT_256QAM	15.41	-1.6	13.81	24.04	1000	PASS
n77(3450-3550)	30	15	633334	18@9	DFT_256QAM	15.44	-1.6	13.84	24.21	1000	PASS
n77(3450-3550)	30	15	633334	1@1	DFT_256QAM	15.28	-1.6	13.68	23.33	1000	PASS

n77(3450-3550)	30	15	633334	1@36	DFT_256QAM	15.6	-1.6	14	25.12	1000	PASS
n77(3450-3550)	30	15	633334	38@0	CP_QPSK	17.5	-1.6	15.9	38.9	1000	PASS
n77(3450-3550)	30	15	633334	19@9	CP_QPSK	18.46	-1.6	16.86	48.53	1000	PASS
n77(3450-3550)	30	15	633334	1@1	CP_QPSK	18.28	-1.6	16.68	46.56	1000	PASS
n77(3450-3550)	30	15	633334	1@36	CP_QPSK	18.5	-1.6	16.9	48.98	1000	PASS
n77(3450-3550)	30	15	633334	38@0	CP_16QAM	16.93	-1.6	15.33	34.12	1000	PASS
n77(3450-3550)	30	15	633334	19@9	CP_16QAM	17.99	-1.6	16.39	43.55	1000	PASS
n77(3450-3550)	30	15	633334	1@1	CP_16QAM	17.7	-1.6	16.1	40.74	1000	PASS
n77(3450-3550)	30	15	633334	1@36	CP_16QAM	17.93	-1.6	16.33	42.95	1000	PASS
n77(3450-3550)	30	15	633334	38@0	CP_64QAM	16.46	-1.6	14.86	30.62	1000	PASS
n77(3450-3550)	30	15	633334	19@9	CP_64QAM	16.51	-1.6	14.91	30.97	1000	PASS
n77(3450-3550)	30	15	633334	1@1	CP_64QAM	16.38	-1.6	14.78	30.06	1000	PASS
n77(3450-3550)	30	15	633334	1@36	CP_64QAM	16.58	-1.6	14.98	31.48	1000	PASS
n77(3450-3550)	30	15	633334	38@0	CP_256QAM	13.43	-1.6	11.83	15.24	1000	PASS
n77(3450-3550)	30	15	633334	19@9	CP_256QAM	13.47	-1.6	11.87	15.38	1000	PASS
n77(3450-3550)	30	15	633334	1@1	CP_256QAM	13.28	-1.6	11.68	14.72	1000	PASS
n77(3450-3550)	30	15	633334	1@36	CP_256QAM	13.51	-1.6	11.91	15.52	1000	PASS
n77(3450-3550)	30	15	636166	36@0	DFT_BPSK	20.48	-1.6	18.88	77.27	1000	PASS
n77(3450-3550)	30	15	636166	18@9	DFT_BPSK	20.87	-1.6	19.27	84.53	1000	PASS
n77(3450-3550)	30	15	636166	1@1	DFT_BPSK	20.69	-1.6	19.09	81.1	1000	PASS
n77(3450-3550)	30	15	636166	1@36	DFT_BPSK	20.83	-1.6	19.23	83.75	1000	PASS
n77(3450-3550)	30	15	636166	36@0	DFT_QPSK	19.99	-1.6	18.39	69.02	1000	PASS
n77(3450-3550)	30	15	636166	18@9	DFT_QPSK	20.87	-1.6	19.27	84.53	1000	PASS
n77(3450-3550)	30	15	636166	1@1	DFT_QPSK	20.69	-1.6	19.09	81.1	1000	PASS
n77(3450-3550)	30	15	636166	1@36	DFT_QPSK	20.76	-1.6	19.16	82.41	1000	PASS
n77(3450-3550)	30	15	636166	36@0	DFT_16QAM	18.96	-1.6	17.36	54.45	1000	PASS
n77(3450-3550)	30	15	636166	18@9	DFT_16QAM	20.05	-1.6	18.45	69.98	1000	PASS
n77(3450-3550)	30	15	636166	1@1	DFT_16QAM	19.82	-1.6	18.22	66.37	1000	PASS
n77(3450-3550)	30	15	636166	1@36	DFT_16QAM	19.94	-1.6	18.34	68.23	1000	PASS
n77(3450-3550)	30	15	636166	36@0	DFT_64QAM	18.47	-1.6	16.87	48.64	1000	PASS
n77(3450-3550)	30	15	636166	18@9	DFT_64QAM	18.47	-1.6	16.87	48.64	1000	PASS
n77(3450-3550)	30	15	636166	1@1	DFT_64QAM	18.46	-1.6	16.86	48.53	1000	PASS
n77(3450-3550)	30	15	636166	1@36	DFT_64QAM	18.56	-1.6	16.96	49.66	1000	PASS
n77(3450-3550)	30	15	636166	36@0	DFT_256QAM	16.43	-1.6	14.83	30.41	1000	PASS
n77(3450-3550)	30	15	636166	18@9	DFT_256QAM	16.48	-1.6	14.88	30.76	1000	PASS
n77(3450-3550)	30	15	636166	1@1	DFT_256QAM	16.34	-1.6	14.74	29.79	1000	PASS
n77(3450-3550)	30	15	636166	1@36	DFT_256QAM	16.3	-1.6	14.7	29.51	1000	PASS
n77(3450-3550)	30	15	636166	38@0	CP_QPSK	17.96	-1.6	16.36	43.25	1000	PASS
n77(3450-3550)	30	15	636166	19@9	CP_QPSK	19.46	-1.6	17.86	61.09	1000	PASS
n77(3450-3550)	30	15	636166	1@1	CP_QPSK	19.28	-1.6	17.68	58.61	1000	PASS
n77(3450-3550)	30	15	636166	1@36	CP_QPSK	19.38	-1.6	17.78	59.98	1000	PASS
n77(3450-3550)	30	15	636166	38@0	CP_16QAM	17.96	-1.6	16.36	43.25	1000	PASS
n77(3450-3550)	30	15	636166	19@9	CP_16QAM	18.95	-1.6	17.35	54.33	1000	PASS

n77(3450-3550)	30	15	636166	1@1	CP_16QAM	18.68	-1.6	17.08	51.05	1000	PASS
n77(3450-3550)	30	15	636166	1@36	CP_16QAM	18.84	-1.6	17.24	52.97	1000	PASS
n77(3450-3550)	30	15	636166	38@0	CP_64QAM	17.49	-1.6	15.89	38.82	1000	PASS
n77(3450-3550)	30	15	636166	19@9	CP_64QAM	17.51	-1.6	15.91	38.99	1000	PASS
n77(3450-3550)	30	15	636166	1@1	CP_64QAM	17.35	-1.6	15.75	37.58	1000	PASS
n77(3450-3550)	30	15	636166	1@36	CP_64QAM	17.48	-1.6	15.88	38.73	1000	PASS
n77(3450-3550)	30	15	636166	38@0	CP_256QAM	14.43	-1.6	12.83	19.19	1000	PASS
n77(3450-3550)	30	15	636166	19@9	CP_256QAM	14.46	-1.6	12.86	19.32	1000	PASS
n77(3450-3550)	30	15	636166	1@1	CP_256QAM	14.3	-1.6	12.7	18.62	1000	PASS
n77(3450-3550)	30	15	636166	1@36	CP_256QAM	14.42	-1.6	12.82	19.14	1000	PASS
n77(3450-3550)	30	20	630668	50@0	DFT_BPSK	19	-1.6	17.4	54.95	1000	PASS
n77(3450-3550)	30	20	630668	25@12	DFT_BPSK	19.53	-1.6	17.93	62.09	1000	PASS
n77(3450-3550)	30	20	630668	1@1	DFT_BPSK	19.28	-1.6	17.68	58.61	1000	PASS
n77(3450-3550)	30	20	630668	1@49	DFT_BPSK	19.51	-1.6	17.91	61.8	1000	PASS
n77(3450-3550)	30	20	630668	50@0	DFT_QPSK	18.53	-1.6	16.93	49.32	1000	PASS
n77(3450-3550)	30	20	630668	25@12	DFT_QPSK	19.54	-1.6	17.94	62.23	1000	PASS
n77(3450-3550)	30	20	630668	1@1	DFT_QPSK	19.28	-1.6	17.68	58.61	1000	PASS
n77(3450-3550)	30	20	630668	1@49	DFT_QPSK	19.52	-1.6	17.92	61.94	1000	PASS
n77(3450-3550)	30	20	630668	50@0	DFT_16QAM	17.53	-1.6	15.93	39.17	1000	PASS
n77(3450-3550)	30	20	630668	25@12	DFT_16QAM	18.54	-1.6	16.94	49.43	1000	PASS
n77(3450-3550)	30	20	630668	1@1	DFT_16QAM	18.2	-1.6	16.6	45.71	1000	PASS
n77(3450-3550)	30	20	630668	1@49	DFT_16QAM	18.47	-1.6	16.87	48.64	1000	PASS
n77(3450-3550)	30	20	630668	50@0	DFT_64QAM	17	-1.6	15.4	34.67	1000	PASS
n77(3450-3550)	30	20	630668	25@12	DFT_64QAM	17.01	-1.6	15.41	34.75	1000	PASS
n77(3450-3550)	30	20	630668	1@1	DFT_64QAM	16.88	-1.6	15.28	33.73	1000	PASS
n77(3450-3550)	30	20	630668	1@49	DFT_64QAM	17.16	-1.6	15.56	35.97	1000	PASS
n77(3450-3550)	30	20	630668	50@0	DFT_256QAM	14.95	-1.6	13.35	21.63	1000	PASS
n77(3450-3550)	30	20	630668	25@12	DFT_256QAM	14.97	-1.6	13.37	21.73	1000	PASS
n77(3450-3550)	30	20	630668	1@1	DFT_256QAM	14.4	-1.6	12.8	19.05	1000	PASS
n77(3450-3550)	30	20	630668	1@49	DFT_256QAM	15.04	-1.6	13.44	22.08	1000	PASS
n77(3450-3550)	30	20	630668	51@0	CP_QPSK	16.43	-1.6	14.83	30.41	1000	PASS
n77(3450-3550)	30	20	630668	25@12	CP_QPSK	18.01	-1.6	16.41	43.75	1000	PASS
n77(3450-3550)	30	20	630668	1@1	CP_QPSK	17.77	-1.6	16.17	41.4	1000	PASS
n77(3450-3550)	30	20	630668	1@49	CP_QPSK	17.96	-1.6	16.36	43.25	1000	PASS
n77(3450-3550)	30	20	630668	51@0	CP_16QAM	16.46	-1.6	14.86	30.62	1000	PASS
n77(3450-3550)	30	20	630668	25@12	CP_16QAM	17.47	-1.6	15.87	38.64	1000	PASS
n77(3450-3550)	30	20	630668	1@1	CP_16QAM	17.16	-1.6	15.56	35.97	1000	PASS
n77(3450-3550)	30	20	630668	1@49	CP_16QAM	17.37	-1.6	15.77	37.76	1000	PASS
n77(3450-3550)	30	20	630668	51@0	CP_64QAM	15.95	-1.6	14.35	27.23	1000	PASS
n77(3450-3550)	30	20	630668	25@12	CP_64QAM	15.97	-1.6	14.37	27.35	1000	PASS
n77(3450-3550)	30	20	630668	1@1	CP_64QAM	15.8	-1.6	14.2	26.3	1000	PASS
n77(3450-3550)	30	20	630668	1@49	CP_64QAM	16.04	-1.6	14.44	27.8	1000	PASS
n77(3450-3550)	30	20	630668	51@0	CP_256QAM	12.96	-1.6	11.36	13.68	1000	PASS

n77(3450-3550)	30	20	630668	25@12	CP_256QAM	12.97	-1.6	11.37	13.71	1000	PASS
n77(3450-3550)	30	20	630668	1@1	CP_256QAM	12.73	-1.6	11.13	12.97	1000	PASS
n77(3450-3550)	30	20	630668	1@49	CP_256QAM	12.96	-1.6	11.36	13.68	1000	PASS
n77(3450-3550)	30	20	633334	50@0	DFT_BPSK	19.46	-1.6	17.86	61.09	1000	PASS
n77(3450-3550)	30	20	633334	25@12	DFT_BPSK	20.01	-1.6	18.41	69.34	1000	PASS
n77(3450-3550)	30	20	633334	1@1	DFT_BPSK	19.69	-1.6	18.09	64.42	1000	PASS
n77(3450-3550)	30	20	633334	1@49	DFT_BPSK	20.01	-1.6	18.41	69.34	1000	PASS
n77(3450-3550)	30	20	633334	50@0	DFT_QPSK	18.96	-1.6	17.36	54.45	1000	PASS
n77(3450-3550)	30	20	633334	25@12	DFT_QPSK	19.99	-1.6	18.39	69.02	1000	PASS
n77(3450-3550)	30	20	633334	1@1	DFT_QPSK	19.73	-1.6	18.13	65.01	1000	PASS
n77(3450-3550)	30	20	633334	1@49	DFT_QPSK	20.03	-1.6	18.43	69.66	1000	PASS
n77(3450-3550)	30	20	633334	50@0	DFT_16QAM	17.99	-1.6	16.39	43.55	1000	PASS
n77(3450-3550)	30	20	633334	25@12	DFT_16QAM	18.99	-1.6	17.39	54.83	1000	PASS
n77(3450-3550)	30	20	633334	1@1	DFT_16QAM	18.68	-1.6	17.08	51.05	1000	PASS
n77(3450-3550)	30	20	633334	1@49	DFT_16QAM	18.96	-1.6	17.36	54.45	1000	PASS
n77(3450-3550)	30	20	633334	50@0	DFT_64QAM	17.46	-1.6	15.86	38.55	1000	PASS
n77(3450-3550)	30	20	633334	25@12	DFT_64QAM	17.46	-1.6	15.86	38.55	1000	PASS
n77(3450-3550)	30	20	633334	1@1	DFT_64QAM	17.38	-1.6	15.78	37.84	1000	PASS
n77(3450-3550)	30	20	633334	1@49	DFT_64QAM	17.65	-1.6	16.05	40.27	1000	PASS
n77(3450-3550)	30	20	633334	50@0	DFT_256QAM	15.4	-1.6	13.8	23.99	1000	PASS
n77(3450-3550)	30	20	633334	25@12	DFT_256QAM	15.42	-1.6	13.82	24.1	1000	PASS
n77(3450-3550)	30	20	633334	1@1	DFT_256QAM	15.22	-1.6	13.62	23.01	1000	PASS
n77(3450-3550)	30	20	633334	1@49	DFT_256QAM	15.55	-1.6	13.95	24.83	1000	PASS
n77(3450-3550)	30	20	633334	51@0	CP_QPSK	16.89	-1.6	15.29	33.81	1000	PASS
n77(3450-3550)	30	20	633334	25@12	CP_QPSK	18.46	-1.6	16.86	48.53	1000	PASS
n77(3450-3550)	30	20	633334	1@1	CP_QPSK	18.18	-1.6	16.58	45.5	1000	PASS
n77(3450-3550)	30	20	633334	1@49	CP_QPSK	18.45	-1.6	16.85	48.42	1000	PASS
n77(3450-3550)	30	20	633334	51@0	CP_16QAM	16.92	-1.6	15.32	34.04	1000	PASS
n77(3450-3550)	30	20	633334	25@12	CP_16QAM	17.93	-1.6	16.33	42.95	1000	PASS
n77(3450-3550)	30	20	633334	1@1	CP_16QAM	17.59	-1.6	15.99	39.72	1000	PASS
n77(3450-3550)	30	20	633334	1@49	CP_16QAM	17.87	-1.6	16.27	42.36	1000	PASS
n77(3450-3550)	30	20	633334	51@0	CP_64QAM	16.4	-1.6	14.8	30.2	1000	PASS
n77(3450-3550)	30	20	633334	25@12	CP_64QAM	16.41	-1.6	14.81	30.27	1000	PASS
n77(3450-3550)	30	20	633334	1@1	CP_64QAM	16.25	-1.6	14.65	29.17	1000	PASS
n77(3450-3550)	30	20	633334	1@49	CP_64QAM	16.54	-1.6	14.94	31.19	1000	PASS
n77(3450-3550)	30	20	633334	51@0	CP_256QAM	13.4	-1.6	11.8	15.14	1000	PASS
n77(3450-3550)	30	20	633334	25@12	CP_256QAM	13.43	-1.6	11.83	15.24	1000	PASS
n77(3450-3550)	30	20	633334	1@1	CP_256QAM	13.18	-1.6	11.58	14.39	1000	PASS
n77(3450-3550)	30	20	633334	1@49	CP_256QAM	13.47	-1.6	11.87	15.38	1000	PASS
n77(3450-3550)	30	20	636000	50@0	DFT_BPSK	20.33	-1.6	18.73	74.64	1000	PASS
n77(3450-3550)	30	20	636000	25@12	DFT_BPSK	20.67	-1.6	19.07	80.72	1000	PASS
n77(3450-3550)	30	20	636000	1@1	DFT_BPSK	20.42	-1.6	18.82	76.21	1000	PASS
n77(3450-3550)	30	20	636000	1@49	DFT_BPSK	20.6	-1.6	19	79.43	1000	PASS

n77(3450-3550)	30	20	636000	50@0	DFT_QPSK	19.82	-1.6	18.22	66.37	1000	PASS
n77(3450-3550)	30	20	636000	25@12	DFT_QPSK	20.64	-1.6	19.04	80.17	1000	PASS
n77(3450-3550)	30	20	636000	1@1	DFT_QPSK	20.38	-1.6	18.78	75.51	1000	PASS
n77(3450-3550)	30	20	636000	1@49	DFT_QPSK	20.6	-1.6	19	79.43	1000	PASS
n77(3450-3550)	30	20	636000	50@0	DFT_16QAM	18.86	-1.6	17.26	53.21	1000	PASS
n77(3450-3550)	30	20	636000	25@12	DFT_16QAM	19.84	-1.6	18.24	66.68	1000	PASS
n77(3450-3550)	30	20	636000	1@1	DFT_16QAM	19.56	-1.6	17.96	62.52	1000	PASS
n77(3450-3550)	30	20	636000	1@49	DFT_16QAM	19.77	-1.6	18.17	65.61	1000	PASS
n77(3450-3550)	30	20	636000	50@0	DFT_64QAM	18.34	-1.6	16.74	47.21	1000	PASS
n77(3450-3550)	30	20	636000	25@12	DFT_64QAM	18.28	-1.6	16.68	46.56	1000	PASS
n77(3450-3550)	30	20	636000	1@1	DFT_64QAM	18.19	-1.6	16.59	45.6	1000	PASS
n77(3450-3550)	30	20	636000	1@49	DFT_64QAM	18.41	-1.6	16.81	47.97	1000	PASS
n77(3450-3550)	30	20	636000	50@0	DFT_256QAM	16.29	-1.6	14.69	29.44	1000	PASS
n77(3450-3550)	30	20	636000	25@12	DFT_256QAM	16.28	-1.6	14.68	29.38	1000	PASS
n77(3450-3550)	30	20	636000	1@1	DFT_256QAM	16.05	-1.6	14.45	27.86	1000	PASS
n77(3450-3550)	30	20	636000	1@49	DFT_256QAM	16.3	-1.6	14.7	29.51	1000	PASS
n77(3450-3550)	30	20	636000	51@0	CP_QPSK	17.76	-1.6	16.16	41.3	1000	PASS
n77(3450-3550)	30	20	636000	25@12	CP_QPSK	19.33	-1.6	17.73	59.29	1000	PASS
n77(3450-3550)	30	20	636000	1@1	CP_QPSK	19	-1.6	17.4	54.95	1000	PASS
n77(3450-3550)	30	20	636000	1@49	CP_QPSK	19.22	-1.6	17.62	57.81	1000	PASS
n77(3450-3550)	30	20	636000	51@0	CP_16QAM	17.79	-1.6	16.19	41.59	1000	PASS
n77(3450-3550)	30	20	636000	25@12	CP_16QAM	18.8	-1.6	17.2	52.48	1000	PASS
n77(3450-3550)	30	20	636000	1@1	CP_16QAM	18.43	-1.6	16.83	48.19	1000	PASS
n77(3450-3550)	30	20	636000	1@49	CP_16QAM	18.63	-1.6	17.03	50.47	1000	PASS
n77(3450-3550)	30	20	636000	51@0	CP_64QAM	17.28	-1.6	15.68	36.98	1000	PASS
n77(3450-3550)	30	20	636000	25@12	CP_64QAM	17.29	-1.6	15.69	37.07	1000	PASS
n77(3450-3550)	30	20	636000	1@1	CP_64QAM	17.11	-1.6	15.51	35.56	1000	PASS
n77(3450-3550)	30	20	636000	1@49	CP_64QAM	17.33	-1.6	15.73	37.41	1000	PASS
n77(3450-3550)	30	20	636000	51@0	CP_256QAM	14.28	-1.6	12.68	18.54	1000	PASS
n77(3450-3550)	30	20	636000	25@12	CP_256QAM	14.3	-1.6	12.7	18.62	1000	PASS
n77(3450-3550)	30	20	636000	1@1	CP_256QAM	14.06	-1.6	12.46	17.62	1000	PASS
n77(3450-3550)	30	20	636000	1@49	CP_256QAM	14.23	-1.6	12.63	18.32	1000	PASS
n77(3450-3550)	30	40	631334	100@0	DFT_BPSK	18.93	-1.6	17.33	54.08	1000	PASS
n77(3450-3550)	30	40	631334	50@25	DFT_BPSK	19.62	-1.6	18.02	63.39	1000	PASS
n77(3450-3550)	30	40	631334	1@1	DFT_BPSK	18.86	-1.6	17.26	53.21	1000	PASS
n77(3450-3550)	30	40	631334	1@104	DFT_BPSK	19.21	-1.6	17.61	57.68	1000	PASS
n77(3450-3550)	30	40	631334	100@0	DFT_QPSK	18.44	-1.6	16.84	48.31	1000	PASS
n77(3450-3550)	30	40	631334	50@25	DFT_QPSK	19.6	-1.6	18	63.1	1000	PASS
n77(3450-3550)	30	40	631334	1@1	DFT_QPSK	18.85	-1.6	17.25	53.09	1000	PASS
n77(3450-3550)	30	40	631334	1@104	DFT_QPSK	19.19	-1.6	17.59	57.41	1000	PASS
n77(3450-3550)	30	40	631334	100@0	DFT_16QAM	17.42	-1.6	15.82	38.19	1000	PASS
n77(3450-3550)	30	40	631334	50@25	DFT_16QAM	18.61	-1.6	17.01	50.23	1000	PASS
n77(3450-3550)	30	40	631334	1@1	DFT_16QAM	17.79	-1.6	16.19	41.59	1000	PASS

n77(3450-3550)	30	40	631334	1@104	DFT_16QAM	18.11	-1.6	16.51	44.77	1000	PASS
n77(3450-3550)	30	40	631334	100@0	DFT_64QAM	16.92	-1.6	15.32	34.04	1000	PASS
n77(3450-3550)	30	40	631334	50@25	DFT_64QAM	17.09	-1.6	15.49	35.4	1000	PASS
n77(3450-3550)	30	40	631334	1@1	DFT_64QAM	16.46	-1.6	14.86	30.62	1000	PASS
n77(3450-3550)	30	40	631334	1@104	DFT_64QAM	16.82	-1.6	15.22	33.27	1000	PASS
n77(3450-3550)	30	40	631334	100@0	DFT_256QAM	14.88	-1.6	13.28	21.28	1000	PASS
n77(3450-3550)	30	40	631334	50@25	DFT_256QAM	15.05	-1.6	13.45	22.13	1000	PASS
n77(3450-3550)	30	40	631334	1@1	DFT_256QAM	14.39	-1.6	12.79	19.01	1000	PASS
n77(3450-3550)	30	40	631334	1@104	DFT_256QAM	14.74	-1.6	13.14	20.61	1000	PASS
n77(3450-3550)	30	40	631334	106@0	CP_QPSK	16.39	-1.6	14.79	30.13	1000	PASS
n77(3450-3550)	30	40	631334	53@26	CP_QPSK	18.03	-1.6	16.43	43.95	1000	PASS
n77(3450-3550)	30	40	631334	1@1	CP_QPSK	17.32	-1.6	15.72	37.33	1000	PASS
n77(3450-3550)	30	40	631334	1@104	CP_QPSK	17.63	-1.6	16.03	40.09	1000	PASS
n77(3450-3550)	30	40	631334	106@0	CP_16QAM	16.38	-1.6	14.78	30.06	1000	PASS
n77(3450-3550)	30	40	631334	53@26	CP_16QAM	17.54	-1.6	15.94	39.26	1000	PASS
n77(3450-3550)	30	40	631334	1@1	CP_16QAM	16.75	-1.6	15.15	32.73	1000	PASS
n77(3450-3550)	30	40	631334	1@104	CP_16QAM	17.05	-1.6	15.45	35.08	1000	PASS
n77(3450-3550)	30	40	631334	106@0	CP_64QAM	15.88	-1.6	14.28	26.79	1000	PASS
n77(3450-3550)	30	40	631334	53@26	CP_64QAM	16.07	-1.6	14.47	27.99	1000	PASS
n77(3450-3550)	30	40	631334	1@1	CP_64QAM	15.39	-1.6	13.79	23.93	1000	PASS
n77(3450-3550)	30	40	631334	1@104	CP_64QAM	15.72	-1.6	14.12	25.82	1000	PASS
n77(3450-3550)	30	40	631334	106@0	CP_256QAM	12.87	-1.6	11.27	13.4	1000	PASS
n77(3450-3550)	30	40	631334	53@26	CP_256QAM	13.02	-1.6	11.42	13.87	1000	PASS
n77(3450-3550)	30	40	631334	1@1	CP_256QAM	12.34	-1.6	10.74	11.86	1000	PASS
n77(3450-3550)	30	40	631334	1@104	CP_256QAM	12.62	-1.6	11.02	12.65	1000	PASS
n77(3450-3550)	30	40	633334	100@0	DFT_BPSK	19.3	-1.6	17.7	58.88	1000	PASS
n77(3450-3550)	30	40	633334	50@25	DFT_BPSK	19.92	-1.6	18.32	67.92	1000	PASS
n77(3450-3550)	30	40	633334	1@1	DFT_BPSK	19.26	-1.6	17.66	58.34	1000	PASS
n77(3450-3550)	30	40	633334	1@104	DFT_BPSK	19.73	-1.6	18.13	65.01	1000	PASS
n77(3450-3550)	30	40	633334	100@0	DFT_QPSK	18.8	-1.6	17.2	52.48	1000	PASS
n77(3450-3550)	30	40	633334	50@25	DFT_QPSK	19.92	-1.6	18.32	67.92	1000	PASS
n77(3450-3550)	30	40	633334	1@1	DFT_QPSK	19.26	-1.6	17.66	58.34	1000	PASS
n77(3450-3550)	30	40	633334	1@104	DFT_QPSK	19.7	-1.6	18.1	64.57	1000	PASS
n77(3450-3550)	30	40	633334	100@0	DFT_16QAM	17.8	-1.6	16.2	41.69	1000	PASS
n77(3450-3550)	30	40	633334	50@25	DFT_16QAM	18.93	-1.6	17.33	54.08	1000	PASS
n77(3450-3550)	30	40	633334	1@1	DFT_16QAM	18.6	-1.6	17	50.12	1000	PASS
n77(3450-3550)	30	40	633334	1@104	DFT_16QAM	18.71	-1.6	17.11	51.4	1000	PASS
n77(3450-3550)	30	40	633334	100@0	DFT_64QAM	17.28	-1.6	15.68	36.98	1000	PASS
n77(3450-3550)	30	40	633334	50@25	DFT_64QAM	17.43	-1.6	15.83	38.28	1000	PASS
n77(3450-3550)	30	40	633334	1@1	DFT_64QAM	17.6	-1.6	16	39.81	1000	PASS
n77(3450-3550)	30	40	633334	1@104	DFT_64QAM	17.37	-1.6	15.77	37.76	1000	PASS
n77(3450-3550)	30	40	633334	100@0	DFT_256QAM	15.25	-1.6	13.65	23.17	1000	PASS
n77(3450-3550)	30	40	633334	50@25	DFT_256QAM	14.6	-1.6	13	19.95	1000	PASS

n77(3450-3550)	30	40	633334	1@1	DFT_256QAM	14.81	-1.6	13.21	20.94	1000	PASS
n77(3450-3550)	30	40	633334	1@104	DFT_256QAM	15.24	-1.6	13.64	23.12	1000	PASS
n77(3450-3550)	30	40	633334	106@0	CP_QPSK	16.78	-1.6	15.18	32.96	1000	PASS
n77(3450-3550)	30	40	633334	53@26	CP_QPSK	18.39	-1.6	16.79	47.75	1000	PASS
n77(3450-3550)	30	40	633334	1@1	CP_QPSK	17.77	-1.6	16.17	41.4	1000	PASS
n77(3450-3550)	30	40	633334	1@104	CP_QPSK	18.21	-1.6	16.61	45.81	1000	PASS
n77(3450-3550)	30	40	633334	106@0	CP_16QAM	16.78	-1.6	15.18	32.96	1000	PASS
n77(3450-3550)	30	40	633334	53@26	CP_16QAM	17.85	-1.6	16.25	42.17	1000	PASS
n77(3450-3550)	30	40	633334	1@1	CP_16QAM	17.2	-1.6	15.6	36.31	1000	PASS
n77(3450-3550)	30	40	633334	1@104	CP_16QAM	17.67	-1.6	16.07	40.46	1000	PASS
n77(3450-3550)	30	40	633334	106@0	CP_64QAM	16.28	-1.6	14.68	29.38	1000	PASS
n77(3450-3550)	30	40	633334	53@26	CP_64QAM	16.39	-1.6	14.79	30.13	1000	PASS
n77(3450-3550)	30	40	633334	1@1	CP_64QAM	15.84	-1.6	14.24	26.55	1000	PASS
n77(3450-3550)	30	40	633334	1@104	CP_64QAM	16.32	-1.6	14.72	29.65	1000	PASS
n77(3450-3550)	30	40	633334	106@0	CP_256QAM	13.26	-1.6	11.66	14.66	1000	PASS
n77(3450-3550)	30	40	633334	53@26	CP_256QAM	13.33	-1.6	11.73	14.89	1000	PASS
n77(3450-3550)	30	40	633334	1@1	CP_256QAM	12.79	-1.6	11.19	13.15	1000	PASS
n77(3450-3550)	30	40	633334	1@104	CP_256QAM	13.23	-1.6	11.63	14.55	1000	PASS
n77(3450-3550)	30	40	635332	100@0	DFT_BPSK	19.86	-1.6	18.26	66.99	1000	PASS
n77(3450-3550)	30	40	635332	50@25	DFT_BPSK	20.5	-1.6	18.9	77.62	1000	PASS
n77(3450-3550)	30	40	635332	1@1	DFT_BPSK	19.82	-1.6	18.22	66.37	1000	PASS
n77(3450-3550)	30	40	635332	1@104	DFT_BPSK	20.17	-1.6	18.57	71.94	1000	PASS
n77(3450-3550)	30	40	635332	100@0	DFT_QPSK	19.36	-1.6	17.76	59.7	1000	PASS
n77(3450-3550)	30	40	635332	50@25	DFT_QPSK	20.49	-1.6	18.89	77.45	1000	PASS
n77(3450-3550)	30	40	635332	1@1	DFT_QPSK	19.82	-1.6	18.22	66.37	1000	PASS
n77(3450-3550)	30	40	635332	1@104	DFT_QPSK	20.15	-1.6	18.55	71.61	1000	PASS
n77(3450-3550)	30	40	635332	100@0	DFT_16QAM	18.34	-1.6	16.74	47.21	1000	PASS
n77(3450-3550)	30	40	635332	50@25	DFT_16QAM	19.53	-1.6	17.93	62.09	1000	PASS
n77(3450-3550)	30	40	635332	1@1	DFT_16QAM	18.78	-1.6	17.18	52.24	1000	PASS
n77(3450-3550)	30	40	635332	1@104	DFT_16QAM	19.19	-1.6	17.59	57.41	1000	PASS
n77(3450-3550)	30	40	635332	100@0	DFT_64QAM	16.8	-1.6	15.2	33.11	1000	PASS
n77(3450-3550)	30	40	635332	50@25	DFT_64QAM	17.99	-1.6	16.39	43.55	1000	PASS
n77(3450-3550)	30	40	635332	1@1	DFT_64QAM	17.42	-1.6	15.82	38.19	1000	PASS
n77(3450-3550)	30	40	635332	1@104	DFT_64QAM	17.88	-1.6	16.28	42.46	1000	PASS
n77(3450-3550)	30	40	635332	100@0	DFT_256QAM	15.1	-1.6	13.5	22.39	1000	PASS
n77(3450-3550)	30	40	635332	50@25	DFT_256QAM	15.97	-1.6	14.37	27.35	1000	PASS
n77(3450-3550)	30	40	635332	1@1	DFT_256QAM	15.32	-1.6	13.72	23.55	1000	PASS
n77(3450-3550)	30	40	635332	1@104	DFT_256QAM	15.3	-1.6	13.7	23.44	1000	PASS
n77(3450-3550)	30	40	635332	106@0	CP_QPSK	17.8	-1.6	16.2	41.69	1000	PASS
n77(3450-3550)	30	40	635332	53@26	CP_QPSK	18.99	-1.6	17.39	54.83	1000	PASS
n77(3450-3550)	30	40	635332	1@1	CP_QPSK	18.28	-1.6	16.68	46.56	1000	PASS
n77(3450-3550)	30	40	635332	1@104	CP_QPSK	18.71	-1.6	17.11	51.4	1000	PASS
n77(3450-3550)	30	40	635332	106@0	CP_16QAM	18.1	-1.6	16.5	44.67	1000	PASS

n77(3450-3550)	30	40	635332	53@26	CP_16QAM	18.44	-1.6	16.84	48.31	1000	PASS
n77(3450-3550)	30	40	635332	1@1	CP_16QAM	17.73	-1.6	16.13	41.02	1000	PASS
n77(3450-3550)	30	40	635332	1@104	CP_16QAM	18.15	-1.6	16.55	45.19	1000	PASS
n77(3450-3550)	30	40	635332	106@0	CP_64QAM	16.84	-1.6	15.24	33.42	1000	PASS
n77(3450-3550)	30	40	635332	53@26	CP_64QAM	17	-1.6	15.4	34.67	1000	PASS
n77(3450-3550)	30	40	635332	1@1	CP_64QAM	16.35	-1.6	14.75	29.85	1000	PASS
n77(3450-3550)	30	40	635332	1@104	CP_64QAM	16.79	-1.6	15.19	33.04	1000	PASS
n77(3450-3550)	30	40	635332	106@0	CP_256QAM	13.81	-1.6	12.21	16.63	1000	PASS
n77(3450-3550)	30	40	635332	53@26	CP_256QAM	13.95	-1.6	12.35	17.18	1000	PASS
n77(3450-3550)	30	40	635332	1@1	CP_256QAM	13.29	-1.6	11.69	14.76	1000	PASS
n77(3450-3550)	30	40	635332	1@104	CP_256QAM	13.71	-1.6	12.11	16.26	1000	PASS
n77(3450-3550)	30	50	631668	128@0	DFT_BPSK	19.05	-1.6	17.45	55.59	1000	PASS
n77(3450-3550)	30	50	631668	64@32	DFT_BPSK	19.63	-1.6	18.03	63.53	1000	PASS
n77(3450-3550)	30	50	631668	1@1	DFT_BPSK	19.14	-1.6	17.54	56.75	1000	PASS
n77(3450-3550)	30	50	631668	1@131	DFT_BPSK	19.61	-1.6	18.01	63.24	1000	PASS
n77(3450-3550)	30	50	631668	128@0	DFT_QPSK	18.51	-1.6	16.91	49.09	1000	PASS
n77(3450-3550)	30	50	631668	64@32	DFT_QPSK	19.63	-1.6	18.03	63.53	1000	PASS
n77(3450-3550)	30	50	631668	1@1	DFT_QPSK	19.15	-1.6	17.55	56.89	1000	PASS
n77(3450-3550)	30	50	631668	1@131	DFT_QPSK	19.59	-1.6	17.99	62.95	1000	PASS
n77(3450-3550)	30	50	631668	128@0	DFT_16QAM	17.51	-1.6	15.91	38.99	1000	PASS
n77(3450-3550)	30	50	631668	64@32	DFT_16QAM	18.64	-1.6	17.04	50.58	1000	PASS
n77(3450-3550)	30	50	631668	1@1	DFT_16QAM	18.09	-1.6	16.49	44.57	1000	PASS
n77(3450-3550)	30	50	631668	1@131	DFT_16QAM	18.58	-1.6	16.98	49.89	1000	PASS
n77(3450-3550)	30	50	631668	128@0	DFT_64QAM	17.02	-1.6	15.42	34.83	1000	PASS
n77(3450-3550)	30	50	631668	64@32	DFT_64QAM	16.2	-1.6	14.6	28.84	1000	PASS
n77(3450-3550)	30	50	631668	1@1	DFT_64QAM	16.76	-1.6	15.16	32.81	1000	PASS
n77(3450-3550)	30	50	631668	1@131	DFT_64QAM	17.25	-1.6	15.65	36.73	1000	PASS
n77(3450-3550)	30	50	631668	128@0	DFT_256QAM	14.99	-1.6	13.39	21.83	1000	PASS
n77(3450-3550)	30	50	631668	64@32	DFT_256QAM	14.5	-1.6	12.9	19.5	1000	PASS
n77(3450-3550)	30	50	631668	1@1	DFT_256QAM	14.62	-1.6	13.02	20.04	1000	PASS
n77(3450-3550)	30	50	631668	1@131	DFT_256QAM	14.5	-1.6	12.9	19.5	1000	PASS
n77(3450-3550)	30	50	631668	133@0	CP_QPSK	17.8	-1.6	16.2	41.69	1000	PASS
n77(3450-3550)	30	50	631668	67@33	CP_QPSK	18.14	-1.6	16.54	45.08	1000	PASS
n77(3450-3550)	30	50	631668	1@1	CP_QPSK	17.59	-1.6	15.99	39.72	1000	PASS
n77(3450-3550)	30	50	631668	1@131	CP_QPSK	18.07	-1.6	16.47	44.36	1000	PASS
n77(3450-3550)	30	50	631668	133@0	CP_16QAM	16.5	-1.6	14.9	30.9	1000	PASS
n77(3450-3550)	30	50	631668	67@33	CP_16QAM	17.62	-1.6	16.02	39.99	1000	PASS
n77(3450-3550)	30	50	631668	1@1	CP_16QAM	17.01	-1.6	15.41	34.75	1000	PASS
n77(3450-3550)	30	50	631668	1@131	CP_16QAM	17.49	-1.6	15.89	38.82	1000	PASS
n77(3450-3550)	30	50	631668	133@0	CP_64QAM	16	-1.6	14.4	27.54	1000	PASS
n77(3450-3550)	30	50	631668	67@33	CP_64QAM	16.11	-1.6	14.51	28.25	1000	PASS
n77(3450-3550)	30	50	631668	1@1	CP_64QAM	15.64	-1.6	14.04	25.35	1000	PASS
n77(3450-3550)	30	50	631668	1@131	CP_64QAM	16.09	-1.6	14.49	28.12	1000	PASS

n77(3450-3550)	30	50	631668	133@0	CP_256QAM	12.98	-1.6	11.38	13.74	1000	PASS
n77(3450-3550)	30	50	631668	67@33	CP_256QAM	13.08	-1.6	11.48	14.06	1000	PASS
n77(3450-3550)	30	50	631668	1@1	CP_256QAM	13.6	-1.6	12	15.85	1000	PASS
n77(3450-3550)	30	50	631668	1@131	CP_256QAM	13.06	-1.6	11.46	14	1000	PASS
n77(3450-3550)	30	50	633334	128@0	DFT_BPSK	19.43	-1.6	17.83	60.67	1000	PASS
n77(3450-3550)	30	50	633334	64@32	DFT_BPSK	19.96	-1.6	18.36	68.55	1000	PASS
n77(3450-3550)	30	50	633334	1@1	DFT_BPSK	19.6	-1.6	18	63.1	1000	PASS
n77(3450-3550)	30	50	633334	1@131	DFT_BPSK	20.13	-1.6	18.53	71.29	1000	PASS
n77(3450-3550)	30	50	633334	128@0	DFT_QPSK	18.91	-1.6	17.31	53.83	1000	PASS
n77(3450-3550)	30	50	633334	64@32	DFT_QPSK	19.97	-1.6	18.37	68.71	1000	PASS
n77(3450-3550)	30	50	633334	1@1	DFT_QPSK	19.61	-1.6	18.01	63.24	1000	PASS
n77(3450-3550)	30	50	633334	1@131	DFT_QPSK	20.12	-1.6	18.52	71.12	1000	PASS
n77(3450-3550)	30	50	633334	128@0	DFT_16QAM	18.5	-1.6	16.9	48.98	1000	PASS
n77(3450-3550)	30	50	633334	64@32	DFT_16QAM	18.97	-1.6	17.37	54.58	1000	PASS
n77(3450-3550)	30	50	633334	1@1	DFT_16QAM	18.1	-1.6	16.5	44.67	1000	PASS
n77(3450-3550)	30	50	633334	1@131	DFT_16QAM	19.09	-1.6	17.49	56.1	1000	PASS
n77(3450-3550)	30	50	633334	128@0	DFT_64QAM	17.4	-1.6	15.8	38.02	1000	PASS
n77(3450-3550)	30	50	633334	64@32	DFT_64QAM	17.6	-1.6	16	39.81	1000	PASS
n77(3450-3550)	30	50	633334	1@1	DFT_64QAM	17.21	-1.6	15.61	36.39	1000	PASS
n77(3450-3550)	30	50	633334	1@131	DFT_64QAM	17.1	-1.6	15.5	35.48	1000	PASS
n77(3450-3550)	30	50	633334	128@0	DFT_256QAM	15.39	-1.6	13.79	23.93	1000	PASS
n77(3450-3550)	30	50	633334	64@32	DFT_256QAM	15.3	-1.6	13.7	23.44	1000	PASS
n77(3450-3550)	30	50	633334	1@1	DFT_256QAM	15.04	-1.6	13.44	22.08	1000	PASS
n77(3450-3550)	30	50	633334	1@131	DFT_256QAM	15.62	-1.6	14.02	25.23	1000	PASS
n77(3450-3550)	30	50	633334	133@0	CP_QPSK	16.9	-1.6	15.3	33.88	1000	PASS
n77(3450-3550)	30	50	633334	67@33	CP_QPSK	18.43	-1.6	16.83	48.19	1000	PASS
n77(3450-3550)	30	50	633334	1@1	CP_QPSK	18.1	-1.6	16.5	44.67	1000	PASS
n77(3450-3550)	30	50	633334	1@131	CP_QPSK	18.59	-1.6	16.99	50	1000	PASS
n77(3450-3550)	30	50	633334	133@0	CP_16QAM	16.89	-1.6	15.29	33.81	1000	PASS
n77(3450-3550)	30	50	633334	67@33	CP_16QAM	17.89	-1.6	16.29	42.56	1000	PASS
n77(3450-3550)	30	50	633334	1@1	CP_16QAM	17.36	-1.6	15.76	37.67	1000	PASS
n77(3450-3550)	30	50	633334	1@131	CP_16QAM	17.84	-1.6	16.24	42.07	1000	PASS
n77(3450-3550)	30	50	633334	133@0	CP_64QAM	16.4	-1.6	14.8	30.2	1000	PASS
n77(3450-3550)	30	50	633334	67@33	CP_64QAM	16.4	-1.6	14.8	30.2	1000	PASS
n77(3450-3550)	30	50	633334	1@1	CP_64QAM	16.04	-1.6	14.44	27.8	1000	PASS
n77(3450-3550)	30	50	633334	1@131	CP_64QAM	16.53	-1.6	14.93	31.12	1000	PASS
n77(3450-3550)	30	50	633334	133@0	CP_256QAM	13.39	-1.6	11.79	15.1	1000	PASS
n77(3450-3550)	30	50	633334	67@33	CP_256QAM	13.39	-1.6	11.79	15.1	1000	PASS
n77(3450-3550)	30	50	633334	1@1	CP_256QAM	13.21	-1.6	11.61	14.49	1000	PASS
n77(3450-3550)	30	50	633334	1@131	CP_256QAM	13.69	-1.6	12.09	16.18	1000	PASS
n77(3450-3550)	30	50	635000	128@0	DFT_BPSK	19.87	-1.6	18.27	67.14	1000	PASS
n77(3450-3550)	30	50	635000	64@32	DFT_BPSK	20.44	-1.6	18.84	76.56	1000	PASS
n77(3450-3550)	30	50	635000	1@1	DFT_BPSK	19.93	-1.6	18.33	68.08	1000	PASS

n77(3450-3550)	30	50	635000	1@131	DFT_BPSK	20.36	-1.6	18.76	75.16	1000	PASS
n77(3450-3550)	30	50	635000	128@0	DFT_QPSK	19.37	-1.6	17.77	59.84	1000	PASS
n77(3450-3550)	30	50	635000	64@32	DFT_QPSK	20.45	-1.6	18.85	76.74	1000	PASS
n77(3450-3550)	30	50	635000	1@1	DFT_QPSK	19.84	-1.6	18.24	66.68	1000	PASS
n77(3450-3550)	30	50	635000	1@131	DFT_QPSK	20.27	-1.6	18.67	73.62	1000	PASS
n77(3450-3550)	30	50	635000	128@0	DFT_16QAM	18.35	-1.6	16.75	47.32	1000	PASS
n77(3450-3550)	30	50	635000	64@32	DFT_16QAM	19.43	-1.6	17.83	60.67	1000	PASS
n77(3450-3550)	30	50	635000	1@1	DFT_16QAM	18.88	-1.6	17.28	53.46	1000	PASS
n77(3450-3550)	30	50	635000	1@131	DFT_16QAM	19.49	-1.6	17.89	61.52	1000	PASS
n77(3450-3550)	30	50	635000	128@0	DFT_64QAM	17.85	-1.6	16.25	42.17	1000	PASS
n77(3450-3550)	30	50	635000	64@32	DFT_64QAM	17.93	-1.6	16.33	42.95	1000	PASS
n77(3450-3550)	30	50	635000	1@1	DFT_64QAM	17.53	-1.6	15.93	39.17	1000	PASS
n77(3450-3550)	30	50	635000	1@131	DFT_64QAM	17.2	-1.6	15.6	36.31	1000	PASS
n77(3450-3550)	30	50	635000	128@0	DFT_256QAM	15.6	-1.6	14	25.12	1000	PASS
n77(3450-3550)	30	50	635000	64@32	DFT_256QAM	15.91	-1.6	14.31	26.98	1000	PASS
n77(3450-3550)	30	50	635000	1@1	DFT_256QAM	15.41	-1.6	13.81	24.04	1000	PASS
n77(3450-3550)	30	50	635000	1@131	DFT_256QAM	16.02	-1.6	14.42	27.67	1000	PASS
n77(3450-3550)	30	50	635000	133@0	CP_QPSK	17.33	-1.6	15.73	37.41	1000	PASS
n77(3450-3550)	30	50	635000	67@33	CP_QPSK	18.92	-1.6	17.32	53.95	1000	PASS
n77(3450-3550)	30	50	635000	1@1	CP_QPSK	18.35	-1.6	16.75	47.32	1000	PASS
n77(3450-3550)	30	50	635000	1@131	CP_QPSK	19	-1.6	17.4	54.95	1000	PASS
n77(3450-3550)	30	50	635000	133@0	CP_16QAM	17.34	-1.6	15.74	37.5	1000	PASS
n77(3450-3550)	30	50	635000	67@33	CP_16QAM	17.13	-1.6	15.53	35.73	1000	PASS
n77(3450-3550)	30	50	635000	1@1	CP_16QAM	17.76	-1.6	16.16	41.3	1000	PASS
n77(3450-3550)	30	50	635000	1@131	CP_16QAM	18.43	-1.6	16.83	48.19	1000	PASS
n77(3450-3550)	30	50	635000	133@0	CP_64QAM	16.84	-1.6	15.24	33.42	1000	PASS
n77(3450-3550)	30	50	635000	67@33	CP_64QAM	16.87	-1.6	15.27	33.65	1000	PASS
n77(3450-3550)	30	50	635000	1@1	CP_64QAM	16.44	-1.6	14.84	30.48	1000	PASS
n77(3450-3550)	30	50	635000	1@131	CP_64QAM	17.06	-1.6	15.46	35.16	1000	PASS
n77(3450-3550)	30	50	635000	133@0	CP_256QAM	13.82	-1.6	12.22	16.67	1000	PASS
n77(3450-3550)	30	50	635000	67@33	CP_256QAM	13.87	-1.6	12.27	16.87	1000	PASS
n77(3450-3550)	30	50	635000	1@1	CP_256QAM	13.38	-1.6	11.78	15.07	1000	PASS
n77(3450-3550)	30	50	635000	1@131	CP_256QAM	14.03	-1.6	12.43	17.5	1000	PASS
n77(3450-3550)	30	60	632000	162@0	DFT_BPSK	19.09	-1.6	17.49	56.1	1000	PASS
n77(3450-3550)	30	60	632000	81@40	DFT_BPSK	19.69	-1.6	18.09	64.42	1000	PASS
n77(3450-3550)	30	60	632000	1@1	DFT_BPSK	19.03	-1.6	17.43	55.34	1000	PASS
n77(3450-3550)	30	60	632000	1@160	DFT_BPSK	19.66	-1.6	18.06	63.97	1000	PASS
n77(3450-3550)	30	60	632000	162@0	DFT_QPSK	18.58	-1.6	16.98	49.89	1000	PASS
n77(3450-3550)	30	60	632000	81@40	DFT_QPSK	19.7	-1.6	18.1	64.57	1000	PASS
n77(3450-3550)	30	60	632000	1@1	DFT_QPSK	19.01	-1.6	17.41	55.08	1000	PASS
n77(3450-3550)	30	60	632000	1@160	DFT_QPSK	19.64	-1.6	18.04	63.68	1000	PASS
n77(3450-3550)	30	60	632000	162@0	DFT_16QAM	17.56	-1.6	15.96	39.45	1000	PASS
n77(3450-3550)	30	60	632000	81@40	DFT_16QAM	18.69	-1.6	17.09	51.17	1000	PASS

n77(3450-3550)	30	60	632000	1@1	DFT_16QAM	18.2	-1.6	16.6	45.71	1000	PASS
n77(3450-3550)	30	60	632000	1@160	DFT_16QAM	18.61	-1.6	17.01	50.23	1000	PASS
n77(3450-3550)	30	60	632000	162@0	DFT_64QAM	17.1	-1.6	15.5	35.48	1000	PASS
n77(3450-3550)	30	60	632000	81@40	DFT_64QAM	17.16	-1.6	15.56	35.97	1000	PASS
n77(3450-3550)	30	60	632000	1@1	DFT_64QAM	17.3	-1.6	15.7	37.15	1000	PASS
n77(3450-3550)	30	60	632000	1@160	DFT_64QAM	17.3	-1.6	15.7	37.15	1000	PASS
n77(3450-3550)	30	60	632000	162@0	DFT_256QAM	15.1	-1.6	13.5	22.39	1000	PASS
n77(3450-3550)	30	60	632000	81@40	DFT_256QAM	15.16	-1.6	13.56	22.7	1000	PASS
n77(3450-3550)	30	60	632000	1@1	DFT_256QAM	14.53	-1.6	12.93	19.63	1000	PASS
n77(3450-3550)	30	60	632000	1@160	DFT_256QAM	15.4	-1.6	13.8	23.99	1000	PASS
n77(3450-3550)	30	60	632000	162@0	CP_QPSK	16.52	-1.6	14.92	31.05	1000	PASS
n77(3450-3550)	30	60	632000	81@40	CP_QPSK	16.4	-1.6	14.8	30.2	1000	PASS
n77(3450-3550)	30	60	632000	1@1	CP_QPSK	17.49	-1.6	15.89	38.82	1000	PASS
n77(3450-3550)	30	60	632000	1@160	CP_QPSK	17.2	-1.6	15.6	36.31	1000	PASS
n77(3450-3550)	30	60	632000	162@0	CP_16QAM	16.51	-1.6	14.91	30.97	1000	PASS
n77(3450-3550)	30	60	632000	81@40	CP_16QAM	17.67	-1.6	16.07	40.46	1000	PASS
n77(3450-3550)	30	60	632000	1@1	CP_16QAM	16.93	-1.6	15.33	34.12	1000	PASS
n77(3450-3550)	30	60	632000	1@160	CP_16QAM	17.51	-1.6	15.91	38.99	1000	PASS
n77(3450-3550)	30	60	632000	162@0	CP_64QAM	16.1	-1.6	14.5	28.18	1000	PASS
n77(3450-3550)	30	60	632000	81@40	CP_64QAM	16.11	-1.6	14.51	28.25	1000	PASS
n77(3450-3550)	30	60	632000	1@1	CP_64QAM	16.4	-1.6	14.8	30.2	1000	PASS
n77(3450-3550)	30	60	632000	1@160	CP_64QAM	16.17	-1.6	14.57	28.64	1000	PASS
n77(3450-3550)	30	60	632000	162@0	CP_256QAM	12.99	-1.6	11.39	13.77	1000	PASS
n77(3450-3550)	30	60	632000	81@40	CP_256QAM	13.11	-1.6	11.51	14.16	1000	PASS
n77(3450-3550)	30	60	632000	1@1	CP_256QAM	12.55	-1.6	10.95	12.45	1000	PASS
n77(3450-3550)	30	60	632000	1@160	CP_256QAM	13.13	-1.6	11.53	14.22	1000	PASS
n77(3450-3550)	30	60	633334	162@0	DFT_BPSK	19.37	-1.6	17.77	59.84	1000	PASS
n77(3450-3550)	30	60	633334	81@40	DFT_BPSK	19.96	-1.6	18.36	68.55	1000	PASS
n77(3450-3550)	30	60	633334	1@1	DFT_BPSK	19.35	-1.6	17.75	59.57	1000	PASS
n77(3450-3550)	30	60	633334	1@160	DFT_BPSK	19.99	-1.6	18.39	69.02	1000	PASS
n77(3450-3550)	30	60	633334	162@0	DFT_QPSK	18.87	-1.6	17.27	53.33	1000	PASS
n77(3450-3550)	30	60	633334	81@40	DFT_QPSK	19.94	-1.6	18.34	68.23	1000	PASS
n77(3450-3550)	30	60	633334	1@1	DFT_QPSK	19.35	-1.6	17.75	59.57	1000	PASS
n77(3450-3550)	30	60	633334	1@160	DFT_QPSK	19.96	-1.6	18.36	68.55	1000	PASS
n77(3450-3550)	30	60	633334	162@0	DFT_16QAM	17.87	-1.6	16.27	42.36	1000	PASS
n77(3450-3550)	30	60	633334	81@40	DFT_16QAM	18.95	-1.6	17.35	54.33	1000	PASS
n77(3450-3550)	30	60	633334	1@1	DFT_16QAM	18.31	-1.6	16.71	46.88	1000	PASS
n77(3450-3550)	30	60	633334	1@160	DFT_16QAM	18.92	-1.6	17.32	53.95	1000	PASS
n77(3450-3550)	30	60	633334	162@0	DFT_64QAM	17.35	-1.6	15.75	37.58	1000	PASS
n77(3450-3550)	30	60	633334	81@40	DFT_64QAM	17.41	-1.6	15.81	38.11	1000	PASS
n77(3450-3550)	30	60	633334	1@1	DFT_64QAM	16.99	-1.6	15.39	34.59	1000	PASS
n77(3450-3550)	30	60	633334	1@160	DFT_64QAM	17.6	-1.6	16	39.81	1000	PASS
n77(3450-3550)	30	60	633334	162@0	DFT_256QAM	15.3	-1.6	13.7	23.44	1000	PASS

n77(3450-3550)	30	60	633334	81@40	DFT_256QAM	14.6	-1.6	13	19.95	1000	PASS
n77(3450-3550)	30	60	633334	1@1	DFT_256QAM	14.89	-1.6	13.29	21.33	1000	PASS
n77(3450-3550)	30	60	633334	1@160	DFT_256QAM	14.6	-1.6	13	19.95	1000	PASS
n77(3450-3550)	30	60	633334	162@0	CP_QPSK	16.82	-1.6	15.22	33.27	1000	PASS
n77(3450-3550)	30	60	633334	81@40	CP_QPSK	18.41	-1.6	16.81	47.97	1000	PASS
n77(3450-3550)	30	60	633334	1@1	CP_QPSK	17.85	-1.6	16.25	42.17	1000	PASS
n77(3450-3550)	30	60	633334	1@160	CP_QPSK	18.45	-1.6	16.85	48.42	1000	PASS
n77(3450-3550)	30	60	633334	162@0	CP_16QAM	16.82	-1.6	15.22	33.27	1000	PASS
n77(3450-3550)	30	60	633334	81@40	CP_16QAM	17.92	-1.6	16.32	42.85	1000	PASS
n77(3450-3550)	30	60	633334	1@1	CP_16QAM	17.22	-1.6	15.62	36.48	1000	PASS
n77(3450-3550)	30	60	633334	1@160	CP_16QAM	17.75	-1.6	16.15	41.21	1000	PASS
n77(3450-3550)	30	60	633334	162@0	CP_64QAM	16.4	-1.6	14.8	30.2	1000	PASS
n77(3450-3550)	30	60	633334	81@40	CP_64QAM	16.38	-1.6	14.78	30.06	1000	PASS
n77(3450-3550)	30	60	633334	1@1	CP_64QAM	15.79	-1.6	14.19	26.24	1000	PASS
n77(3450-3550)	30	60	633334	1@160	CP_64QAM	16.42	-1.6	14.82	30.34	1000	PASS
n77(3450-3550)	30	60	633334	162@0	CP_256QAM	13.31	-1.6	11.71	14.83	1000	PASS
n77(3450-3550)	30	60	633334	81@40	CP_256QAM	13.38	-1.6	11.78	15.07	1000	PASS
n77(3450-3550)	30	60	633334	1@1	CP_256QAM	13.03	-1.6	11.43	13.9	1000	PASS
n77(3450-3550)	30	60	633334	1@160	CP_256QAM	13.6	-1.6	12	15.85	1000	PASS
n77(3450-3550)	30	60	634666	162@0	DFT_BPSK	19.41	-1.6	17.81	60.39	1000	PASS
n77(3450-3550)	30	60	634666	81@40	DFT_BPSK	20.41	-1.6	18.81	76.03	1000	PASS
n77(3450-3550)	30	60	634666	1@1	DFT_BPSK	19.59	-1.6	17.99	62.95	1000	PASS
n77(3450-3550)	30	60	634666	1@160	DFT_BPSK	20.14	-1.6	18.54	71.45	1000	PASS
n77(3450-3550)	30	60	634666	162@0	DFT_QPSK	19.28	-1.6	17.68	58.61	1000	PASS
n77(3450-3550)	30	60	634666	81@40	DFT_QPSK	20.39	-1.6	18.79	75.68	1000	PASS
n77(3450-3550)	30	60	634666	1@1	DFT_QPSK	19.6	-1.6	18	63.1	1000	PASS
n77(3450-3550)	30	60	634666	1@160	DFT_QPSK	20.15	-1.6	18.55	71.61	1000	PASS
n77(3450-3550)	30	60	634666	162@0	DFT_16QAM	18.9	-1.6	17.3	53.7	1000	PASS
n77(3450-3550)	30	60	634666	81@40	DFT_16QAM	19.41	-1.6	17.81	60.39	1000	PASS
n77(3450-3550)	30	60	634666	1@1	DFT_16QAM	19.1	-1.6	17.5	56.23	1000	PASS
n77(3450-3550)	30	60	634666	1@160	DFT_16QAM	19.32	-1.6	17.72	59.16	1000	PASS
n77(3450-3550)	30	60	634666	162@0	DFT_64QAM	17.79	-1.6	16.19	41.59	1000	PASS
n77(3450-3550)	30	60	634666	81@40	DFT_64QAM	17.1	-1.6	15.5	35.48	1000	PASS
n77(3450-3550)	30	60	634666	1@1	DFT_64QAM	17.22	-1.6	15.62	36.48	1000	PASS
n77(3450-3550)	30	60	634666	1@160	DFT_64QAM	17.96	-1.6	16.36	43.25	1000	PASS
n77(3450-3550)	30	60	634666	162@0	DFT_256QAM	15.68	-1.6	14.08	25.59	1000	PASS
n77(3450-3550)	30	60	634666	81@40	DFT_256QAM	15.2	-1.6	13.6	22.91	1000	PASS
n77(3450-3550)	30	60	634666	1@1	DFT_256QAM	15.06	-1.6	13.46	22.18	1000	PASS
n77(3450-3550)	30	60	634666	1@160	DFT_256QAM	15.89	-1.6	14.29	26.85	1000	PASS
n77(3450-3550)	30	60	634666	162@0	CP_QPSK	17.22	-1.6	15.62	36.48	1000	PASS
n77(3450-3550)	30	60	634666	81@40	CP_QPSK	18.88	-1.6	17.28	53.46	1000	PASS
n77(3450-3550)	30	60	634666	1@1	CP_QPSK	18.03	-1.6	16.43	43.95	1000	PASS
n77(3450-3550)	30	60	634666	1@160	CP_QPSK	18.78	-1.6	17.18	52.24	1000	PASS

n77(3450-3550)	30	60	634666	162@0	CP_16QAM	18.2	-1.6	16.6	45.71	1000	PASS
n77(3450-3550)	30	60	634666	81@40	CP_16QAM	18.36	-1.6	16.76	47.42	1000	PASS
n77(3450-3550)	30	60	634666	1@1	CP_16QAM	17.44	-1.6	15.84	38.37	1000	PASS
n77(3450-3550)	30	60	634666	1@160	CP_16QAM	18.2	-1.6	16.6	45.71	1000	PASS
n77(3450-3550)	30	60	634666	162@0	CP_64QAM	16.72	-1.6	15.12	32.51	1000	PASS
n77(3450-3550)	30	60	634666	81@40	CP_64QAM	16.82	-1.6	15.22	33.27	1000	PASS
n77(3450-3550)	30	60	634666	1@1	CP_64QAM	16.12	-1.6	14.52	28.31	1000	PASS
n77(3450-3550)	30	60	634666	1@160	CP_64QAM	16.9	-1.6	15.3	33.88	1000	PASS
n77(3450-3550)	30	60	634666	162@0	CP_256QAM	13.7	-1.6	12.1	16.22	1000	PASS
n77(3450-3550)	30	60	634666	81@40	CP_256QAM	13.81	-1.6	12.21	16.63	1000	PASS
n77(3450-3550)	30	60	634666	1@1	CP_256QAM	13.04	-1.6	11.44	13.93	1000	PASS
n77(3450-3550)	30	60	634666	1@160	CP_256QAM	13.84	-1.6	12.24	16.75	1000	PASS
n77(3450-3550)	30	70	632334	180@0	DFT_BPSK	19.21	-1.6	17.61	57.68	1000	PASS
n77(3450-3550)	30	70	632334	90@45	DFT_BPSK	19.78	-1.6	18.18	65.77	1000	PASS
n77(3450-3550)	30	70	632334	1@1	DFT_BPSK	19.02	-1.6	17.42	55.21	1000	PASS
n77(3450-3550)	30	70	632334	1@187	DFT_BPSK	19.81	-1.6	18.21	66.22	1000	PASS
n77(3450-3550)	30	70	632334	180@0	DFT_QPSK	18.68	-1.6	17.08	51.05	1000	PASS
n77(3450-3550)	30	70	632334	90@45	DFT_QPSK	19.79	-1.6	18.19	65.92	1000	PASS
n77(3450-3550)	30	70	632334	1@1	DFT_QPSK	19.07	-1.6	17.47	55.85	1000	PASS
n77(3450-3550)	30	70	632334	1@187	DFT_QPSK	19.84	-1.6	18.24	66.68	1000	PASS
n77(3450-3550)	30	70	632334	180@0	DFT_16QAM	18.2	-1.6	16.6	45.71	1000	PASS
n77(3450-3550)	30	70	632334	90@45	DFT_16QAM	18.78	-1.6	17.18	52.24	1000	PASS
n77(3450-3550)	30	70	632334	1@1	DFT_16QAM	18.2	-1.6	16.6	45.71	1000	PASS
n77(3450-3550)	30	70	632334	1@187	DFT_16QAM	18.77	-1.6	17.17	52.12	1000	PASS
n77(3450-3550)	30	70	632334	180@0	DFT_64QAM	17.17	-1.6	15.57	36.06	1000	PASS
n77(3450-3550)	30	70	632334	90@45	DFT_64QAM	17.6	-1.6	16	39.81	1000	PASS
n77(3450-3550)	30	70	632334	1@1	DFT_64QAM	16.66	-1.6	15.06	32.06	1000	PASS
n77(3450-3550)	30	70	632334	1@187	DFT_64QAM	16.4	-1.6	14.8	30.2	1000	PASS
n77(3450-3550)	30	70	632334	180@0	DFT_256QAM	15.13	-1.6	13.53	22.54	1000	PASS
n77(3450-3550)	30	70	632334	90@45	DFT_256QAM	15.21	-1.6	13.61	22.96	1000	PASS
n77(3450-3550)	30	70	632334	1@1	DFT_256QAM	14.54	-1.6	12.94	19.68	1000	PASS
n77(3450-3550)	30	70	632334	1@187	DFT_256QAM	14.9	-1.6	13.3	21.38	1000	PASS
n77(3450-3550)	30	70	632334	189@0	CP_QPSK	18.8	-1.6	17.2	52.48	1000	PASS
n77(3450-3550)	30	70	632334	95@47	CP_QPSK	19.2	-1.6	17.6	57.54	1000	PASS
n77(3450-3550)	30	70	632334	1@1	CP_QPSK	18.6	-1.6	17	50.12	1000	PASS
n77(3450-3550)	30	70	632334	1@187	CP_QPSK	18.3	-1.6	16.7	46.77	1000	PASS
n77(3450-3550)	30	70	632334	189@0	CP_16QAM	17.5	-1.6	15.9	38.9	1000	PASS
n77(3450-3550)	30	70	632334	95@47	CP_16QAM	17.77	-1.6	16.17	41.4	1000	PASS
n77(3450-3550)	30	70	632334	1@1	CP_16QAM	16.97	-1.6	15.37	34.43	1000	PASS
n77(3450-3550)	30	70	632334	1@187	CP_16QAM	17.77	-1.6	16.17	41.4	1000	PASS
n77(3450-3550)	30	70	632334	189@0	CP_64QAM	16.5	-1.6	14.9	30.9	1000	PASS
n77(3450-3550)	30	70	632334	95@47	CP_64QAM	16.22	-1.6	14.62	28.97	1000	PASS
n77(3450-3550)	30	70	632334	1@1	CP_64QAM	16.1	-1.6	14.5	28.18	1000	PASS

n77(3450-3550)	30	70	632334	1@187	CP_64QAM	16.36	-1.6	14.76	29.92	1000	PASS
n77(3450-3550)	30	70	632334	189@0	CP_256QAM	13.2	-1.6	11.6	14.45	1000	PASS
n77(3450-3550)	30	70	632334	95@47	CP_256QAM	13.22	-1.6	11.62	14.52	1000	PASS
n77(3450-3550)	30	70	632334	1@1	CP_256QAM	12.64	-1.6	11.04	12.71	1000	PASS
n77(3450-3550)	30	70	632334	1@187	CP_256QAM	12.69	-1.6	11.09	12.85	1000	PASS
n77(3450-3550)	30	70	633334	180@0	DFT_BPSK	19.43	-1.6	17.83	60.67	1000	PASS
n77(3450-3550)	30	70	633334	90@45	DFT_BPSK	19.99	-1.6	18.39	69.02	1000	PASS
n77(3450-3550)	30	70	633334	1@1	DFT_BPSK	19.28	-1.6	17.68	58.61	1000	PASS
n77(3450-3550)	30	70	633334	1@187	DFT_BPSK	19.74	-1.6	18.14	65.16	1000	PASS
n77(3450-3550)	30	70	633334	180@0	DFT_QPSK	18.91	-1.6	17.31	53.83	1000	PASS
n77(3450-3550)	30	70	633334	90@45	DFT_QPSK	19.98	-1.6	18.38	68.87	1000	PASS
n77(3450-3550)	30	70	633334	1@1	DFT_QPSK	19.26	-1.6	17.66	58.34	1000	PASS
n77(3450-3550)	30	70	633334	1@187	DFT_QPSK	19.78	-1.6	18.18	65.77	1000	PASS
n77(3450-3550)	30	70	633334	180@0	DFT_16QAM	17.91	-1.6	16.31	42.76	1000	PASS
n77(3450-3550)	30	70	633334	90@45	DFT_16QAM	18.95	-1.6	17.35	54.33	1000	PASS
n77(3450-3550)	30	70	633334	1@1	DFT_16QAM	18.2	-1.6	16.6	45.71	1000	PASS
n77(3450-3550)	30	70	633334	1@187	DFT_16QAM	19.04	-1.6	17.44	55.46	1000	PASS
n77(3450-3550)	30	70	633334	180@0	DFT_64QAM	17.4	-1.6	15.8	38.02	1000	PASS
n77(3450-3550)	30	70	633334	90@45	DFT_64QAM	17.44	-1.6	15.84	38.37	1000	PASS
n77(3450-3550)	30	70	633334	1@1	DFT_64QAM	16.9	-1.6	15.3	33.88	1000	PASS
n77(3450-3550)	30	70	633334	1@187	DFT_64QAM	16.9	-1.6	15.3	33.88	1000	PASS
n77(3450-3550)	30	70	633334	180@0	DFT_256QAM	16.74	-1.6	15.14	32.66	1000	PASS
n77(3450-3550)	30	70	633334	90@45	DFT_256QAM	15.41	-1.6	13.81	24.04	1000	PASS
n77(3450-3550)	30	70	633334	1@1	DFT_256QAM	15.5	-1.6	13.9	24.55	1000	PASS
n77(3450-3550)	30	70	633334	1@187	DFT_256QAM	15.53	-1.6	13.93	24.72	1000	PASS
n77(3450-3550)	30	70	633334	189@0	CP_QPSK	16.94	-1.6	15.34	34.2	1000	PASS
n77(3450-3550)	30	70	633334	95@47	CP_QPSK	18.47	-1.6	16.87	48.64	1000	PASS
n77(3450-3550)	30	70	633334	1@1	CP_QPSK	17.75	-1.6	16.15	41.21	1000	PASS
n77(3450-3550)	30	70	633334	1@187	CP_QPSK	18.53	-1.6	16.93	49.32	1000	PASS
n77(3450-3550)	30	70	633334	189@0	CP_16QAM	18.1	-1.6	16.5	44.67	1000	PASS
n77(3450-3550)	30	70	633334	95@47	CP_16QAM	18.01	-1.6	16.41	43.75	1000	PASS
n77(3450-3550)	30	70	633334	1@1	CP_16QAM	17.25	-1.6	15.65	36.73	1000	PASS
n77(3450-3550)	30	70	633334	1@187	CP_16QAM	17.97	-1.6	16.37	43.35	1000	PASS
n77(3450-3550)	30	70	633334	189@0	CP_64QAM	16.3	-1.6	14.7	29.51	1000	PASS
n77(3450-3550)	30	70	633334	95@47	CP_64QAM	16.48	-1.6	14.88	30.76	1000	PASS
n77(3450-3550)	30	70	633334	1@1	CP_64QAM	15.83	-1.6	14.23	26.49	1000	PASS
n77(3450-3550)	30	70	633334	1@187	CP_64QAM	16.6	-1.6	15	31.62	1000	PASS
n77(3450-3550)	30	70	633334	189@0	CP_256QAM	13.42	-1.6	11.82	15.21	1000	PASS
n77(3450-3550)	30	70	633334	95@47	CP_256QAM	13.47	-1.6	11.87	15.38	1000	PASS
n77(3450-3550)	30	70	633334	1@1	CP_256QAM	13.6	-1.6	12	15.85	1000	PASS
n77(3450-3550)	30	70	633334	1@187	CP_256QAM	13.59	-1.6	11.99	15.81	1000	PASS
n77(3450-3550)	30	70	634332	180@0	DFT_BPSK	19.67	-1.6	18.07	64.12	1000	PASS
n77(3450-3550)	30	70	634332	90@45	DFT_BPSK	20.28	-1.6	18.68	73.79	1000	PASS

n77(3450-3550)	30	70	634332	1@1	DFT_BPSK	19.48	-1.6	17.88	61.38	1000	PASS
n77(3450-3550)	30	70	634332	1@187	DFT_BPSK	19.97	-1.6	18.37	68.71	1000	PASS
n77(3450-3550)	30	70	634332	180@0	DFT_QPSK	19.17	-1.6	17.57	57.15	1000	PASS
n77(3450-3550)	30	70	634332	90@45	DFT_QPSK	20.24	-1.6	18.64	73.11	1000	PASS
n77(3450-3550)	30	70	634332	1@1	DFT_QPSK	19.54	-1.6	17.94	62.23	1000	PASS
n77(3450-3550)	30	70	634332	1@187	DFT_QPSK	20.02	-1.6	18.42	69.5	1000	PASS
n77(3450-3550)	30	70	634332	180@0	DFT_16QAM	18.5	-1.6	16.9	48.98	1000	PASS
n77(3450-3550)	30	70	634332	90@45	DFT_16QAM	19.25	-1.6	17.65	58.21	1000	PASS
n77(3450-3550)	30	70	634332	1@1	DFT_16QAM	18.48	-1.6	16.88	48.75	1000	PASS
n77(3450-3550)	30	70	634332	1@187	DFT_16QAM	19.25	-1.6	17.65	58.21	1000	PASS
n77(3450-3550)	30	70	634332	180@0	DFT_64QAM	17.63	-1.6	16.03	40.09	1000	PASS
n77(3450-3550)	30	70	634332	90@45	DFT_64QAM	17.6	-1.6	16	39.81	1000	PASS
n77(3450-3550)	30	70	634332	1@1	DFT_64QAM	17.15	-1.6	15.55	35.89	1000	PASS
n77(3450-3550)	30	70	634332	1@187	DFT_64QAM	17.36	-1.6	15.76	37.67	1000	PASS
n77(3450-3550)	30	70	634332	180@0	DFT_256QAM	15.6	-1.6	14	25.12	1000	PASS
n77(3450-3550)	30	70	634332	90@45	DFT_256QAM	15.7	-1.6	14.1	25.7	1000	PASS
n77(3450-3550)	30	70	634332	1@1	DFT_256QAM	15.2	-1.6	13.6	22.91	1000	PASS
n77(3450-3550)	30	70	634332	1@187	DFT_256QAM	15.77	-1.6	14.17	26.12	1000	PASS
n77(3450-3550)	30	70	634332	189@0	CP_QPSK	17.19	-1.6	15.59	36.22	1000	PASS
n77(3450-3550)	30	70	634332	95@47	CP_QPSK	18.75	-1.6	17.15	51.88	1000	PASS
n77(3450-3550)	30	70	634332	1@1	CP_QPSK	17.99	-1.6	16.39	43.55	1000	PASS
n77(3450-3550)	30	70	634332	1@187	CP_QPSK	18.77	-1.6	17.17	52.12	1000	PASS
n77(3450-3550)	30	70	634332	189@0	CP_16QAM	18.2	-1.6	16.6	45.71	1000	PASS
n77(3450-3550)	30	70	634332	95@47	CP_16QAM	18.29	-1.6	16.69	46.67	1000	PASS
n77(3450-3550)	30	70	634332	1@1	CP_16QAM	17.4	-1.6	15.8	38.02	1000	PASS
n77(3450-3550)	30	70	634332	1@187	CP_16QAM	17.5	-1.6	15.9	38.9	1000	PASS
n77(3450-3550)	30	70	634332	189@0	CP_64QAM	16.6	-1.6	15	31.62	1000	PASS
n77(3450-3550)	30	70	634332	95@47	CP_64QAM	16.74	-1.6	15.14	32.66	1000	PASS
n77(3450-3550)	30	70	634332	1@1	CP_64QAM	16.01	-1.6	14.41	27.61	1000	PASS
n77(3450-3550)	30	70	634332	1@187	CP_64QAM	16.86	-1.6	15.26	33.57	1000	PASS
n77(3450-3550)	30	70	634332	189@0	CP_256QAM	13.6	-1.6	12	15.85	1000	PASS
n77(3450-3550)	30	70	634332	95@47	CP_256QAM	13.75	-1.6	12.15	16.41	1000	PASS
n77(3450-3550)	30	70	634332	1@1	CP_256QAM	13.03	-1.6	11.43	13.9	1000	PASS
n77(3450-3550)	30	70	634332	1@187	CP_256QAM	13.77	-1.6	12.17	16.48	1000	PASS
n77(3450-3550)	30	80	632668	216@0	DFT_BPSK	19.32	-1.6	17.72	59.16	1000	PASS
n77(3450-3550)	30	80	632668	108@54	DFT_BPSK	19.86	-1.6	18.26	66.99	1000	PASS
n77(3450-3550)	30	80	632668	1@1	DFT_BPSK	19	-1.6	17.4	54.95	1000	PASS
n77(3450-3550)	30	80	632668	1@215	DFT_BPSK	19.53	-1.6	17.93	62.09	1000	PASS
n77(3450-3550)	30	80	632668	216@0	DFT_QPSK	18.8	-1.6	17.2	52.48	1000	PASS
n77(3450-3550)	30	80	632668	108@54	DFT_QPSK	19.88	-1.6	18.28	67.3	1000	PASS
n77(3450-3550)	30	80	632668	1@1	DFT_QPSK	19.03	-1.6	17.43	55.34	1000	PASS
n77(3450-3550)	30	80	632668	1@215	DFT_QPSK	19.58	-1.6	17.98	62.81	1000	PASS
n77(3450-3550)	30	80	632668	216@0	DFT_16QAM	17.78	-1.6	16.18	41.5	1000	PASS

n77(3450-3550)	30	80	632668	108@54	DFT_16QAM	18.87	-1.6	17.27	53.33	1000	PASS
n77(3450-3550)	30	80	632668	1@1	DFT_16QAM	18.04	-1.6	16.44	44.06	1000	PASS
n77(3450-3550)	30	80	632668	1@215	DFT_16QAM	18.85	-1.6	17.25	53.09	1000	PASS
n77(3450-3550)	30	80	632668	216@0	DFT_64QAM	17.5	-1.6	15.9	38.9	1000	PASS
n77(3450-3550)	30	80	632668	108@54	DFT_64QAM	17.33	-1.6	15.73	37.41	1000	PASS
n77(3450-3550)	30	80	632668	1@1	DFT_64QAM	17.3	-1.6	15.7	37.15	1000	PASS
n77(3450-3550)	30	80	632668	1@215	DFT_64QAM	17.48	-1.6	15.88	38.73	1000	PASS
n77(3450-3550)	30	80	632668	216@0	DFT_256QAM	15.22	-1.6	13.62	23.01	1000	PASS
n77(3450-3550)	30	80	632668	108@54	DFT_256QAM	15.31	-1.6	13.71	23.5	1000	PASS
n77(3450-3550)	30	80	632668	1@1	DFT_256QAM	14.58	-1.6	12.98	19.86	1000	PASS
n77(3450-3550)	30	80	632668	1@215	DFT_256QAM	15.43	-1.6	13.83	24.15	1000	PASS
n77(3450-3550)	30	80	632668	217@0	CP_QPSK	16.71	-1.6	15.11	32.43	1000	PASS
n77(3450-3550)	30	80	632668	109@54	CP_QPSK	18.35	-1.6	16.75	47.32	1000	PASS
n77(3450-3550)	30	80	632668	1@1	CP_QPSK	17.48	-1.6	15.88	38.73	1000	PASS
n77(3450-3550)	30	80	632668	1@215	CP_QPSK	18.34	-1.6	16.74	47.21	1000	PASS
n77(3450-3550)	30	80	632668	217@0	CP_16QAM	16.76	-1.6	15.16	32.81	1000	PASS
n77(3450-3550)	30	80	632668	109@54	CP_16QAM	16.3	-1.6	14.7	29.51	1000	PASS
n77(3450-3550)	30	80	632668	1@1	CP_16QAM	16.9	-1.6	15.3	33.88	1000	PASS
n77(3450-3550)	30	80	632668	1@215	CP_16QAM	16.1	-1.6	14.5	28.18	1000	PASS
n77(3450-3550)	30	80	632668	217@0	CP_64QAM	16.32	-1.6	14.72	29.65	1000	PASS
n77(3450-3550)	30	80	632668	109@54	CP_64QAM	16.3	-1.6	14.7	29.51	1000	PASS
n77(3450-3550)	30	80	632668	1@1	CP_64QAM	15.51	-1.6	13.91	24.6	1000	PASS
n77(3450-3550)	30	80	632668	1@215	CP_64QAM	16.38	-1.6	14.78	30.06	1000	PASS
n77(3450-3550)	30	80	632668	217@0	CP_256QAM	13.24	-1.6	11.64	14.59	1000	PASS
n77(3450-3550)	30	80	632668	109@54	CP_256QAM	13.2	-1.6	11.6	14.45	1000	PASS
n77(3450-3550)	30	80	632668	1@1	CP_256QAM	12.51	-1.6	10.91	12.33	1000	PASS
n77(3450-3550)	30	80	632668	1@215	CP_256QAM	13.41	-1.6	11.81	15.17	1000	PASS
n77(3450-3550)	30	80	633334	216@0	DFT_BPSK	19.42	-1.6	17.82	60.53	1000	PASS
n77(3450-3550)	30	80	633334	108@54	DFT_BPSK	19.99	-1.6	18.39	69.02	1000	PASS
n77(3450-3550)	30	80	633334	1@1	DFT_BPSK	19.12	-1.6	17.52	56.49	1000	PASS
n77(3450-3550)	30	80	633334	1@215	DFT_BPSK	19.7	-1.6	18.1	64.57	1000	PASS
n77(3450-3550)	30	80	633334	216@0	DFT_QPSK	18.91	-1.6	17.31	53.83	1000	PASS
n77(3450-3550)	30	80	633334	108@54	DFT_QPSK	20.02	-1.6	18.42	69.5	1000	PASS
n77(3450-3550)	30	80	633334	1@1	DFT_QPSK	19.17	-1.6	17.57	57.15	1000	PASS
n77(3450-3550)	30	80	633334	1@215	DFT_QPSK	19.79	-1.6	18.19	65.92	1000	PASS
n77(3450-3550)	30	80	633334	216@0	DFT_16QAM	17.88	-1.6	16.28	42.46	1000	PASS
n77(3450-3550)	30	80	633334	108@54	DFT_16QAM	18.98	-1.6	17.38	54.7	1000	PASS
n77(3450-3550)	30	80	633334	1@1	DFT_16QAM	18.1	-1.6	16.5	44.67	1000	PASS
n77(3450-3550)	30	80	633334	1@215	DFT_16QAM	19.02	-1.6	17.42	55.21	1000	PASS
n77(3450-3550)	30	80	633334	216@0	DFT_64QAM	16.56	-1.6	14.96	31.33	1000	PASS
n77(3450-3550)	30	80	633334	108@54	DFT_64QAM	17.47	-1.6	15.87	38.64	1000	PASS
n77(3450-3550)	30	80	633334	1@1	DFT_64QAM	16.72	-1.6	15.12	32.51	1000	PASS
n77(3450-3550)	30	80	633334	1@215	DFT_64QAM	17.66	-1.6	16.06	40.36	1000	PASS

n77(3450-3550)	30	80	633334	216@0	DFT_256QAM	15.34	-1.6	13.74	23.66	1000	PASS
n77(3450-3550)	30	80	633334	108@54	DFT_256QAM	15.43	-1.6	13.83	24.15	1000	PASS
n77(3450-3550)	30	80	633334	1@1	DFT_256QAM	14.6	-1.6	13	19.95	1000	PASS
n77(3450-3550)	30	80	633334	1@215	DFT_256QAM	15.56	-1.6	13.96	24.89	1000	PASS
n77(3450-3550)	30	80	633334	217@0	CP_QPSK	16.85	-1.6	15.25	33.5	1000	PASS
n77(3450-3550)	30	80	633334	109@54	CP_QPSK	17.5	-1.6	15.9	38.9	1000	PASS
n77(3450-3550)	30	80	633334	1@1	CP_QPSK	17.59	-1.6	15.99	39.72	1000	PASS
n77(3450-3550)	30	80	633334	1@215	CP_QPSK	18.5	-1.6	16.9	48.98	1000	PASS
n77(3450-3550)	30	80	633334	217@0	CP_16QAM	16.87	-1.6	15.27	33.65	1000	PASS
n77(3450-3550)	30	80	633334	109@54	CP_16QAM	17.97	-1.6	16.37	43.35	1000	PASS
n77(3450-3550)	30	80	633334	1@1	CP_16QAM	17.1	-1.6	15.5	35.48	1000	PASS
n77(3450-3550)	30	80	633334	1@215	CP_16QAM	17.96	-1.6	16.36	43.25	1000	PASS
n77(3450-3550)	30	80	633334	217@0	CP_64QAM	16.2	-1.6	14.6	28.84	1000	PASS
n77(3450-3550)	30	80	633334	109@54	CP_64QAM	16.44	-1.6	14.84	30.48	1000	PASS
n77(3450-3550)	30	80	633334	1@1	CP_64QAM	16.1	-1.6	14.5	28.18	1000	PASS
n77(3450-3550)	30	80	633334	1@215	CP_64QAM	16.59	-1.6	14.99	31.55	1000	PASS
n77(3450-3550)	30	80	633334	217@0	CP_256QAM	13.33	-1.6	11.73	14.89	1000	PASS
n77(3450-3550)	30	80	633334	109@54	CP_256QAM	13.45	-1.6	11.85	15.31	1000	PASS
n77(3450-3550)	30	80	633334	1@1	CP_256QAM	12.68	-1.6	11.08	12.82	1000	PASS
n77(3450-3550)	30	80	633334	1@215	CP_256QAM	13.56	-1.6	11.96	15.7	1000	PASS
n77(3450-3550)	30	80	634000	216@0	DFT_BPSK	19.56	-1.6	17.96	62.52	1000	PASS
n77(3450-3550)	30	80	634000	108@54	DFT_BPSK	20.14	-1.6	18.54	71.45	1000	PASS
n77(3450-3550)	30	80	634000	1@1	DFT_BPSK	19.33	-1.6	17.73	59.29	1000	PASS
n77(3450-3550)	30	80	634000	1@215	DFT_BPSK	19.83	-1.6	18.23	66.53	1000	PASS
n77(3450-3550)	30	80	634000	216@0	DFT_QPSK	19.05	-1.6	17.45	55.59	1000	PASS
n77(3450-3550)	30	80	634000	108@54	DFT_QPSK	20.16	-1.6	18.56	71.78	1000	PASS
n77(3450-3550)	30	80	634000	1@1	DFT_QPSK	19.36	-1.6	17.76	59.7	1000	PASS
n77(3450-3550)	30	80	634000	1@215	DFT_QPSK	19.88	-1.6	18.28	67.3	1000	PASS
n77(3450-3550)	30	80	634000	216@0	DFT_16QAM	18.02	-1.6	16.42	43.85	1000	PASS
n77(3450-3550)	30	80	634000	108@54	DFT_16QAM	19.14	-1.6	17.54	56.75	1000	PASS
n77(3450-3550)	30	80	634000	1@1	DFT_16QAM	19.2	-1.6	17.6	57.54	1000	PASS
n77(3450-3550)	30	80	634000	1@215	DFT_16QAM	19.09	-1.6	17.49	56.1	1000	PASS
n77(3450-3550)	30	80	634000	216@0	DFT_64QAM	17.14	-1.6	15.54	35.81	1000	PASS
n77(3450-3550)	30	80	634000	108@54	DFT_64QAM	17.61	-1.6	16.01	39.9	1000	PASS
n77(3450-3550)	30	80	634000	1@1	DFT_64QAM	17.55	-1.6	15.95	39.36	1000	PASS
n77(3450-3550)	30	80	634000	1@215	DFT_64QAM	17.76	-1.6	16.16	41.3	1000	PASS
n77(3450-3550)	30	80	634000	216@0	DFT_256QAM	15.48	-1.6	13.88	24.43	1000	PASS
n77(3450-3550)	30	80	634000	108@54	DFT_256QAM	15.58	-1.6	13.98	25	1000	PASS
n77(3450-3550)	30	80	634000	1@1	DFT_256QAM	14.83	-1.6	13.23	21.04	1000	PASS
n77(3450-3550)	30	80	634000	1@215	DFT_256QAM	14.3	-1.6	12.7	18.62	1000	PASS
n77(3450-3550)	30	80	634000	217@0	CP_QPSK	17.6	-1.6	16	39.81	1000	PASS
n77(3450-3550)	30	80	634000	109@54	CP_QPSK	18.63	-1.6	17.03	50.47	1000	PASS
n77(3450-3550)	30	80	634000	1@1	CP_QPSK	17.79	-1.6	16.19	41.59	1000	PASS

n77(3450-3550)	30	80	634000	1@215	CP_QPSK	18.1	-1.6	16.5	44.67	1000	PASS
n77(3450-3550)	30	80	634000	217@0	CP_16QAM	17.6	-1.6	16	39.81	1000	PASS
n77(3450-3550)	30	80	634000	109@54	CP_16QAM	17.65	-1.6	16.05	40.27	1000	PASS
n77(3450-3550)	30	80	634000	1@1	CP_16QAM	17.2	-1.6	15.6	36.31	1000	PASS
n77(3450-3550)	30	80	634000	1@215	CP_16QAM	18.09	-1.6	16.49	44.57	1000	PASS
n77(3450-3550)	30	80	634000	217@0	CP_64QAM	16.43	-1.6	14.83	30.41	1000	PASS
n77(3450-3550)	30	80	634000	109@54	CP_64QAM	15.66	-1.6	14.06	25.47	1000	PASS
n77(3450-3550)	30	80	634000	1@1	CP_64QAM	15.74	-1.6	14.14	25.94	1000	PASS
n77(3450-3550)	30	80	634000	1@215	CP_64QAM	16.69	-1.6	15.09	32.28	1000	PASS
n77(3450-3550)	30	80	634000	217@0	CP_256QAM	13.5	-1.6	11.9	15.49	1000	PASS
n77(3450-3550)	30	80	634000	109@54	CP_256QAM	13.25	-1.6	11.65	14.62	1000	PASS
n77(3450-3550)	30	80	634000	1@1	CP_256QAM	12.83	-1.6	11.23	13.27	1000	PASS
n77(3450-3550)	30	80	634000	1@215	CP_256QAM	13.7	-1.6	12.1	16.22	1000	PASS
n77(3450-3550)	30	90	633000	243@0	DFT_BPSK	19.3	-1.6	17.7	58.88	1000	PASS
n77(3450-3550)	30	90	633000	120@60	DFT_BPSK	19.88	-1.6	18.28	67.3	1000	PASS
n77(3450-3550)	30	90	633000	1@1	DFT_BPSK	18.86	-1.6	17.26	53.21	1000	PASS
n77(3450-3550)	30	90	633000	1@243	DFT_BPSK	19.52	-1.6	17.92	61.94	1000	PASS
n77(3450-3550)	30	90	633000	243@0	DFT_QPSK	18.26	-1.6	16.66	46.34	1000	PASS
n77(3450-3550)	30	90	633000	120@60	DFT_QPSK	19.92	-1.6	18.32	67.92	1000	PASS
n77(3450-3550)	30	90	633000	1@1	DFT_QPSK	18.81	-1.6	17.21	52.6	1000	PASS
n77(3450-3550)	30	90	633000	1@243	DFT_QPSK	19.52	-1.6	17.92	61.94	1000	PASS
n77(3450-3550)	30	90	633000	243@0	DFT_16QAM	17.75	-1.6	16.15	41.21	1000	PASS
n77(3450-3550)	30	90	633000	120@60	DFT_16QAM	17.33	-1.6	15.73	37.41	1000	PASS
n77(3450-3550)	30	90	633000	1@1	DFT_16QAM	17.83	-1.6	16.23	41.98	1000	PASS
n77(3450-3550)	30	90	633000	1@243	DFT_16QAM	18.86	-1.6	17.26	53.21	1000	PASS
n77(3450-3550)	30	90	633000	243@0	DFT_64QAM	17.27	-1.6	15.67	36.9	1000	PASS
n77(3450-3550)	30	90	633000	120@60	DFT_64QAM	16.66	-1.6	15.06	32.06	1000	PASS
n77(3450-3550)	30	90	633000	1@1	DFT_64QAM	17.05	-1.6	15.45	35.08	1000	PASS
n77(3450-3550)	30	90	633000	1@243	DFT_64QAM	17.47	-1.6	15.87	38.64	1000	PASS
n77(3450-3550)	30	90	633000	243@0	DFT_256QAM	15.24	-1.6	13.64	23.12	1000	PASS
n77(3450-3550)	30	90	633000	120@60	DFT_256QAM	15.29	-1.6	13.69	23.39	1000	PASS
n77(3450-3550)	30	90	633000	1@1	DFT_256QAM	15.56	-1.6	13.96	24.89	1000	PASS
n77(3450-3550)	30	90	633000	1@243	DFT_256QAM	15.35	-1.6	13.75	23.71	1000	PASS
n77(3450-3550)	30	90	633000	245@0	CP_QPSK	16.73	-1.6	15.13	32.58	1000	PASS
n77(3450-3550)	30	90	633000	123@61	CP_QPSK	18.33	-1.6	16.73	47.1	1000	PASS
n77(3450-3550)	30	90	633000	1@1	CP_QPSK	17.33	-1.6	15.73	37.41	1000	PASS
n77(3450-3550)	30	90	633000	1@243	CP_QPSK	18.32	-1.6	16.72	46.99	1000	PASS
n77(3450-3550)	30	90	633000	245@0	CP_16QAM	17.56	-1.6	15.96	39.45	1000	PASS
n77(3450-3550)	30	90	633000	123@61	CP_16QAM	17.84	-1.6	16.24	42.07	1000	PASS
n77(3450-3550)	30	90	633000	1@1	CP_16QAM	17.6	-1.6	16	39.81	1000	PASS
n77(3450-3550)	30	90	633000	1@243	CP_16QAM	17.73	-1.6	16.13	41.02	1000	PASS
n77(3450-3550)	30	90	633000	245@0	CP_64QAM	16.25	-1.6	14.65	29.17	1000	PASS
n77(3450-3550)	30	90	633000	123@61	CP_64QAM	16.5	-1.6	14.9	30.9	1000	PASS

n77(3450-3550)	30	90	633000	1@1	CP_64QAM	16.34	-1.6	14.74	29.79	1000	PASS
n77(3450-3550)	30	90	633000	1@243	CP_64QAM	16.39	-1.6	14.79	30.13	1000	PASS
n77(3450-3550)	30	90	633000	245@0	CP_256QAM	13.27	-1.6	11.67	14.69	1000	PASS
n77(3450-3550)	30	90	633000	123@61	CP_256QAM	13.6	-1.6	12	15.85	1000	PASS
n77(3450-3550)	30	90	633000	1@1	CP_256QAM	13.35	-1.6	11.75	14.96	1000	PASS
n77(3450-3550)	30	90	633000	1@243	CP_256QAM	13.38	-1.6	11.78	15.07	1000	PASS
n77(3450-3550)	30	90	633334	243@0	DFT_BPSK	19.41	-1.6	17.81	60.39	1000	PASS
n77(3450-3550)	30	90	633334	120@60	DFT_BPSK	19.97	-1.6	18.37	68.71	1000	PASS
n77(3450-3550)	30	90	633334	1@1	DFT_BPSK	18.93	-1.6	17.33	54.08	1000	PASS
n77(3450-3550)	30	90	633334	1@243	DFT_BPSK	19.63	-1.6	18.03	63.53	1000	PASS
n77(3450-3550)	30	90	633334	243@0	DFT_QPSK	19.3	-1.6	17.7	58.88	1000	PASS
n77(3450-3550)	30	90	633334	120@60	DFT_QPSK	19.96	-1.6	18.36	68.55	1000	PASS
n77(3450-3550)	30	90	633334	1@1	DFT_QPSK	18.9	-1.6	17.3	53.7	1000	PASS
n77(3450-3550)	30	90	633334	1@243	DFT_QPSK	19.63	-1.6	18.03	63.53	1000	PASS
n77(3450-3550)	30	90	633334	243@0	DFT_16QAM	17.86	-1.6	16.26	42.27	1000	PASS
n77(3450-3550)	30	90	633334	120@60	DFT_16QAM	17.3	-1.6	15.7	37.15	1000	PASS
n77(3450-3550)	30	90	633334	1@1	DFT_16QAM	17.85	-1.6	16.25	42.17	1000	PASS
n77(3450-3550)	30	90	633334	1@243	DFT_16QAM	17.3	-1.6	15.7	37.15	1000	PASS
n77(3450-3550)	30	90	633334	243@0	DFT_64QAM	17.4	-1.6	15.8	38.02	1000	PASS
n77(3450-3550)	30	90	633334	120@60	DFT_64QAM	16.5	-1.6	14.9	30.9	1000	PASS
n77(3450-3550)	30	90	633334	1@1	DFT_64QAM	16.51	-1.6	14.91	30.97	1000	PASS
n77(3450-3550)	30	90	633334	1@243	DFT_64QAM	17.6	-1.6	16	39.81	1000	PASS
n77(3450-3550)	30	90	633334	243@0	DFT_256QAM	15.33	-1.6	13.73	23.6	1000	PASS
n77(3450-3550)	30	90	633334	120@60	DFT_256QAM	15.4	-1.6	13.8	23.99	1000	PASS
n77(3450-3550)	30	90	633334	1@1	DFT_256QAM	15.3	-1.6	13.7	23.44	1000	PASS
n77(3450-3550)	30	90	633334	1@243	DFT_256QAM	15.47	-1.6	13.87	24.38	1000	PASS
n77(3450-3550)	30	90	633334	245@0	CP_QPSK	16.85	-1.6	15.25	33.5	1000	PASS
n77(3450-3550)	30	90	633334	123@61	CP_QPSK	18.45	-1.6	16.85	48.42	1000	PASS
n77(3450-3550)	30	90	633334	1@1	CP_QPSK	17.37	-1.6	15.77	37.76	1000	PASS
n77(3450-3550)	30	90	633334	1@243	CP_QPSK	16.69	-1.6	15.09	32.28	1000	PASS
n77(3450-3550)	30	90	633334	245@0	CP_16QAM	16.85	-1.6	15.25	33.5	1000	PASS
n77(3450-3550)	30	90	633334	123@61	CP_16QAM	17.1	-1.6	15.5	35.48	1000	PASS
n77(3450-3550)	30	90	633334	1@1	CP_16QAM	16.88	-1.6	15.28	33.73	1000	PASS
n77(3450-3550)	30	90	633334	1@243	CP_16QAM	17.8	-1.6	16.2	41.69	1000	PASS
n77(3450-3550)	30	90	633334	245@0	CP_64QAM	16.35	-1.6	14.75	29.85	1000	PASS
n77(3450-3550)	30	90	633334	123@61	CP_64QAM	16.42	-1.6	14.82	30.34	1000	PASS
n77(3450-3550)	30	90	633334	1@1	CP_64QAM	16.5	-1.6	14.9	30.9	1000	PASS
n77(3450-3550)	30	90	633334	1@243	CP_64QAM	16.48	-1.6	14.88	30.76	1000	PASS
n77(3450-3550)	30	90	633334	245@0	CP_256QAM	13.36	-1.6	11.76	15	1000	PASS
n77(3450-3550)	30	90	633334	123@61	CP_256QAM	13.46	-1.6	11.86	15.35	1000	PASS
n77(3450-3550)	30	90	633334	1@1	CP_256QAM	12.45	-1.6	10.85	12.16	1000	PASS
n77(3450-3550)	30	90	633334	1@243	CP_256QAM	13.51	-1.6	11.91	15.52	1000	PASS
n77(3450-3550)	30	90	633666	243@0	DFT_BPSK	19.48	-1.6	17.88	61.38	1000	PASS

n77(3450-3550)	30	90	633666	120@60	DFT_BPSK	20.08	-1.6	18.48	70.47	1000	PASS
n77(3450-3550)	30	90	633666	1@1	DFT_BPSK	19.06	-1.6	17.46	55.72	1000	PASS
n77(3450-3550)	30	90	633666	1@243	DFT_BPSK	19.69	-1.6	18.09	64.42	1000	PASS
n77(3450-3550)	30	90	633666	243@0	DFT_QPSK	18.98	-1.6	17.38	54.7	1000	PASS
n77(3450-3550)	30	90	633666	120@60	DFT_QPSK	20.08	-1.6	18.48	70.47	1000	PASS
n77(3450-3550)	30	90	633666	1@1	DFT_QPSK	19.05	-1.6	17.45	55.59	1000	PASS
n77(3450-3550)	30	90	633666	1@243	DFT_QPSK	19.69	-1.6	18.09	64.42	1000	PASS
n77(3450-3550)	30	90	633666	243@0	DFT_16QAM	17.97	-1.6	16.37	43.35	1000	PASS
n77(3450-3550)	30	90	633666	120@60	DFT_16QAM	19.07	-1.6	17.47	55.85	1000	PASS
n77(3450-3550)	30	90	633666	1@1	DFT_16QAM	19.2	-1.6	17.6	57.54	1000	PASS
n77(3450-3550)	30	90	633666	1@243	DFT_16QAM	19.01	-1.6	17.41	55.08	1000	PASS
n77(3450-3550)	30	90	633666	243@0	DFT_64QAM	17.47	-1.6	15.87	38.64	1000	PASS
n77(3450-3550)	30	90	633666	120@60	DFT_64QAM	16.5	-1.6	14.9	30.9	1000	PASS
n77(3450-3550)	30	90	633666	1@1	DFT_64QAM	16.67	-1.6	15.07	32.14	1000	PASS
n77(3450-3550)	30	90	633666	1@243	DFT_64QAM	17.63	-1.6	16.03	40.09	1000	PASS
n77(3450-3550)	30	90	633666	243@0	DFT_256QAM	15.1	-1.6	13.5	22.39	1000	PASS
n77(3450-3550)	30	90	633666	120@60	DFT_256QAM	15.51	-1.6	13.91	24.6	1000	PASS
n77(3450-3550)	30	90	633666	1@1	DFT_256QAM	15.6	-1.6	14	25.12	1000	PASS
n77(3450-3550)	30	90	633666	1@243	DFT_256QAM	15.52	-1.6	13.92	24.66	1000	PASS
n77(3450-3550)	30	90	633666	245@0	CP_QPSK	16.94	-1.6	15.34	34.2	1000	PASS
n77(3450-3550)	30	90	633666	123@61	CP_QPSK	18.55	-1.6	16.95	49.55	1000	PASS
n77(3450-3550)	30	90	633666	1@1	CP_QPSK	18.2	-1.6	16.6	45.71	1000	PASS
n77(3450-3550)	30	90	633666	1@243	CP_QPSK	18.58	-1.6	16.98	49.89	1000	PASS
n77(3450-3550)	30	90	633666	245@0	CP_16QAM	16.96	-1.6	15.36	34.36	1000	PASS
n77(3450-3550)	30	90	633666	123@61	CP_16QAM	18.05	-1.6	16.45	44.16	1000	PASS
n77(3450-3550)	30	90	633666	1@1	CP_16QAM	16.9	-1.6	15.3	33.88	1000	PASS
n77(3450-3550)	30	90	633666	1@243	CP_16QAM	18	-1.6	16.4	43.65	1000	PASS
n77(3450-3550)	30	90	633666	245@0	CP_64QAM	16.44	-1.6	14.84	30.48	1000	PASS
n77(3450-3550)	30	90	633666	123@61	CP_64QAM	15.96	-1.6	14.36	27.29	1000	PASS
n77(3450-3550)	30	90	633666	1@1	CP_64QAM	15.55	-1.6	13.95	24.83	1000	PASS
n77(3450-3550)	30	90	633666	1@243	CP_64QAM	15.6	-1.6	14	25.12	1000	PASS
n77(3450-3550)	30	90	633666	245@0	CP_256QAM	13.43	-1.6	11.83	15.24	1000	PASS
n77(3450-3550)	30	90	633666	123@61	CP_256QAM	13.3	-1.6	11.7	14.79	1000	PASS
n77(3450-3550)	30	90	633666	1@1	CP_256QAM	13.58	-1.6	11.98	15.78	1000	PASS
n77(3450-3550)	30	90	633666	1@243	CP_256QAM	13.64	-1.6	12.04	16	1000	PASS
n77(3450-3550)	30	100	633334	270@0	DFT_BPSK	20.37	-1.6	18.77	75.34	1000	PASS
n77(3450-3550)	30	100	633334	135@67	DFT_BPSK	20.99	-1.6	19.39	86.9	1000	PASS
n77(3450-3550)	30	100	633334	1@1	DFT_BPSK	19.79	-1.6	18.19	65.92	1000	PASS
n77(3450-3550)	30	100	633334	1@271	DFT_BPSK	20.51	-1.6	18.91	77.8	1000	PASS
n77(3450-3550)	30	100	633334	270@0	DFT_QPSK	20.3	-1.6	18.7	74.13	1000	PASS
n77(3450-3550)	30	100	633334	135@67	DFT_QPSK	20.99	-1.6	19.39	86.9	1000	PASS
n77(3450-3550)	30	100	633334	1@1	DFT_QPSK	19.79	-1.6	18.19	65.92	1000	PASS
n77(3450-3550)	30	100	633334	1@271	DFT_QPSK	20.49	-1.6	18.89	77.45	1000	PASS

n77(3450-3550)	30	100	633334	270@0	DFT_16QAM	18.85	-1.6	17.25	53.09	1000	PASS
n77(3450-3550)	30	100	633334	135@67	DFT_16QAM	19.99	-1.6	18.39	69.02	1000	PASS
n77(3450-3550)	30	100	633334	1@1	DFT_16QAM	19.6	-1.6	18	63.1	1000	PASS
n77(3450-3550)	30	100	633334	1@271	DFT_16QAM	19.82	-1.6	18.22	66.37	1000	PASS
n77(3450-3550)	30	100	633334	270@0	DFT_64QAM	18.2	-1.6	16.6	45.71	1000	PASS
n77(3450-3550)	30	100	633334	135@67	DFT_64QAM	18.47	-1.6	16.87	48.64	1000	PASS
n77(3450-3550)	30	100	633334	1@1	DFT_64QAM	17.34	-1.6	15.74	37.5	1000	PASS
n77(3450-3550)	30	100	633334	1@271	DFT_64QAM	17.6	-1.6	16	39.81	1000	PASS
n77(3450-3550)	30	100	633334	270@0	DFT_256QAM	16.28	-1.6	14.68	29.38	1000	PASS
n77(3450-3550)	30	100	633334	135@67	DFT_256QAM	16.43	-1.6	14.83	30.41	1000	PASS
n77(3450-3550)	30	100	633334	1@1	DFT_256QAM	16.5	-1.6	14.9	30.9	1000	PASS
n77(3450-3550)	30	100	633334	1@271	DFT_256QAM	16.49	-1.6	14.89	30.83	1000	PASS
n77(3450-3550)	30	100	633334	273@0	CP_QPSK	17.8	-1.6	16.2	41.69	1000	PASS
n77(3450-3550)	30	100	633334	137@68	CP_QPSK	19.44	-1.6	17.84	60.81	1000	PASS
n77(3450-3550)	30	100	633334	1@1	CP_QPSK	19.2	-1.6	17.6	57.54	1000	PASS
n77(3450-3550)	30	100	633334	1@271	CP_QPSK	19.37	-1.6	17.77	59.84	1000	PASS
n77(3450-3550)	30	100	633334	273@0	CP_16QAM	17.82	-1.6	16.22	41.88	1000	PASS
n77(3450-3550)	30	100	633334	137@68	CP_16QAM	17.1	-1.6	15.5	35.48	1000	PASS
n77(3450-3550)	30	100	633334	1@1	CP_16QAM	17.61	-1.6	16.01	39.9	1000	PASS
n77(3450-3550)	30	100	633334	1@271	CP_16QAM	18.82	-1.6	17.22	52.72	1000	PASS
n77(3450-3550)	30	100	633334	273@0	CP_64QAM	17.63	-1.6	16.03	40.09	1000	PASS
n77(3450-3550)	30	100	633334	137@68	CP_64QAM	17.39	-1.6	15.79	37.93	1000	PASS
n77(3450-3550)	30	100	633334	1@1	CP_64QAM	17.4	-1.6	15.8	38.02	1000	PASS
n77(3450-3550)	30	100	633334	1@271	CP_64QAM	17.38	-1.6	15.78	37.84	1000	PASS
n77(3450-3550)	30	100	633334	273@0	CP_256QAM	14.32	-1.6	12.72	18.71	1000	PASS
n77(3450-3550)	30	100	633334	137@68	CP_256QAM	14.5	-1.6	12.9	19.5	1000	PASS
n77(3450-3550)	30	100	633334	1@1	CP_256QAM	13.3	-1.6	11.7	14.79	1000	PASS
n77(3450-3550)	30	100	633334	1@271	CP_256QAM	14.42	-1.6	12.82	19.14	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(3450-3550)	30	100	633334	270@0	DFT_BPSK	-1.4	-0.0004	PASS
20	6.55	n77(3450-3550)	30	100	633334	270@0	DFT_BPSK	-1.6	-0.00046	PASS
20	8.86	n77(3450-3550)	30	100	633334	270@0	DFT_BPSK	10.2	0.00291	PASS
-30	7.7	n77(3450-3550)	30	100	633334	270@0	DFT_BPSK	1.4	0.0004	PASS
-20	7.7	n77(3450-3550)	30	100	633334	270@0	DFT_BPSK	3.2	0.00091	PASS
-10	7.7	n77(3450-3550)	30	100	633334	270@0	DFT_BPSK	5.8	0.00166	PASS
0	7.7	n77(3450-3550)	30	100	633334	270@0	DFT_BPSK	6.1	0.00174	PASS
10	7.7	n77(3450-3550)	30	100	633334	270@0	DFT_BPSK	4.8	0.00137	PASS
30	7.7	n77(3450-3550)	30	100	633334	270@0	DFT_BPSK	-3.0	-0.00086	PASS
40	7.7	n77(3450-3550)	30	100	633334	270@0	DFT_BPSK	-6.2	-0.00177	PASS
50	7.7	n77(3450-3550)	30	100	633334	270@0	DFT_BPSK	4.1	0.00117	PASS

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

3. Radiated Spurious Emissions

n77(3.45G) - DFT-s-OFDM - PI/2 BPSK - 100M - Low 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
5834	-55.34	-13	-42.34	-69.03	-60.92	6.01	11.59	H	Pass
6898	-59.49	-13	-46.49	-76.89	-64.41	6.38	11.30	H	Pass
15004	-48.12	-13	-35.12	-80.00	-51.93	10.4	14.21	H	Pass
5246	-63.12	-13	-50.12	-74.27	-69.26	5.66	11.8	V	Pass
6898	-59.67	-13	-46.67	-77.69	-64.59	6.38	11.3	V	Pass
15004	-48.13	-13	-35.13	-80.10	-51.94	10.4	14.21	V	Pass

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