

n77(3450-3550)	30	50	635000	133@0	CP_QPSK	18.24	-2.6	15.64	36.64	1000	PASS
n77(3450-3550)	30	50	635000	67@33	CP_QPSK	19.78	-2.6	17.18	52.24	1000	PASS
n77(3450-3550)	30	50	635000	1@1	CP_QPSK	19.74	-2.6	17.14	51.76	1000	PASS
n77(3450-3550)	30	50	635000	1@131	CP_QPSK	19.57	-2.6	16.97	49.77	1000	PASS
n77(3450-3550)	30	50	635000	133@0	CP_QAM16	18.21	-2.6	15.61	36.39	1000	PASS
n77(3450-3550)	30	50	635000	67@33	CP_QAM16	19.26	-2.6	16.66	46.34	1000	PASS
n77(3450-3550)	30	50	635000	1@1	CP_QAM16	19.12	-2.6	16.52	44.87	1000	PASS
n77(3450-3550)	30	50	635000	1@131	CP_QAM16	18.95	-2.6	16.35	43.15	1000	PASS
n77(3450-3550)	30	50	635000	133@0	CP_QAM64	17.69	-2.6	15.09	32.28	1000	PASS
n77(3450-3550)	30	50	635000	67@33	CP_QAM64	17.74	-2.6	15.14	32.66	1000	PASS
n77(3450-3550)	30	50	635000	1@1	CP_QAM64	17.51	-2.6	14.91	30.97	1000	PASS
n77(3450-3550)	30	50	635000	1@131	CP_QAM64	17.39	-2.6	14.79	30.13	1000	PASS
n77(3450-3550)	30	50	635000	133@0	CP_QAM256	14.7	-2.6	12.1	16.22	1000	PASS
n77(3450-3550)	30	50	635000	67@33	CP_QAM256	14.75	-2.6	12.15	16.41	1000	PASS
n77(3450-3550)	30	50	635000	1@1	CP_QAM256	14.71	-2.6	12.11	16.26	1000	PASS
n77(3450-3550)	30	50	635000	1@131	CP_QAM256	14.54	-2.6	11.94	15.63	1000	PASS
n77(3450-3550)	30	60	632000	162@0	DFT_BPSK	20.75	-2.6	18.15	65.31	1000	PASS
n77(3450-3550)	30	60	632000	81@40	DFT_BPSK	21.44	-2.6	18.84	76.56	1000	PASS
n77(3450-3550)	30	60	632000	1@1	DFT_BPSK	21.26	-2.6	18.66	73.45	1000	PASS
n77(3450-3550)	30	60	632000	1@160	DFT_BPSK	20.81	-2.6	18.21	66.22	1000	PASS
n77(3450-3550)	30	60	632000	162@0	DFT_QPSK	20.24	-2.6	17.64	58.08	1000	PASS
n77(3450-3550)	30	60	632000	81@40	DFT_QPSK	21.35	-2.6	18.75	74.99	1000	PASS
n77(3450-3550)	30	60	632000	1@1	DFT_QPSK	21.21	-2.6	18.61	72.61	1000	PASS
n77(3450-3550)	30	60	632000	1@160	DFT_QPSK	20.83	-2.6	18.23	66.53	1000	PASS
n77(3450-3550)	30	60	632000	162@0	DFT_QAM16	19.25	-2.6	16.65	46.24	1000	PASS
n77(3450-3550)	30	60	632000	81@40	DFT_QAM16	20.43	-2.6	17.83	60.67	1000	PASS
n77(3450-3550)	30	60	632000	1@1	DFT_QAM16	20.31	-2.6	17.71	59.02	1000	PASS
n77(3450-3550)	30	60	632000	1@160	DFT_QAM16	19.9	-2.6	17.3	53.7	1000	PASS
n77(3450-3550)	30	60	632000	162@0	DFT_QAM64	18.71	-2.6	16.11	40.83	1000	PASS
n77(3450-3550)	30	60	632000	81@40	DFT_QAM64	18.87	-2.6	16.27	42.36	1000	PASS
n77(3450-3550)	30	60	632000	1@1	DFT_QAM64	18.59	-2.6	15.99	39.72	1000	PASS
n77(3450-3550)	30	60	632000	1@160	DFT_QAM64	18.23	-2.6	15.63	36.56	1000	PASS
n77(3450-3550)	30	60	632000	162@0	DFT_QAM256	16.74	-2.6	14.14	25.94	1000	PASS
n77(3450-3550)	30	60	632000	81@40	DFT_QAM256	16.85	-2.6	14.25	26.61	1000	PASS
n77(3450-3550)	30	60	632000	1@1	DFT_QAM256	16.61	-2.6	14.01	25.18	1000	PASS
n77(3450-3550)	30	60	632000	1@160	DFT_QAM256	16.2	-2.6	13.6	22.91	1000	PASS
n77(3450-3550)	30	60	632000	162@0	CP_QPSK	18.18	-2.6	15.58	36.14	1000	PASS
n77(3450-3550)	30	60	632000	81@40	CP_QPSK	19.84	-2.6	17.24	52.97	1000	PASS
n77(3450-3550)	30	60	632000	1@1	CP_QPSK	19.84	-2.6	17.24	52.97	1000	PASS
n77(3450-3550)	30	60	632000	1@160	CP_QPSK	19.44	-2.6	16.84	48.31	1000	PASS
n77(3450-3550)	30	60	632000	162@0	CP_QAM16	18.24	-2.6	15.64	36.64	1000	PASS

n77(3450-3550)	30	60	632000	81@40	CP_QAM16	19.38	-2.6	16.78	47.64	1000	PASS
n77(3450-3550)	30	60	632000	1@1	CP_QAM16	19.15	-2.6	16.55	45.19	1000	PASS
n77(3450-3550)	30	60	632000	1@160	CP_QAM16	19.62	-2.6	17.02	50.35	1000	PASS
n77(3450-3550)	30	60	632000	162@0	CP_QAM64	17.71	-2.6	15.11	32.43	1000	PASS
n77(3450-3550)	30	60	632000	81@40	CP_QAM64	17.32	-2.6	14.72	29.65	1000	PASS
n77(3450-3550)	30	60	632000	1@1	CP_QAM64	17.53	-2.6	14.93	31.12	1000	PASS
n77(3450-3550)	30	60	632000	1@160	CP_QAM64	17.43	-2.6	14.83	30.41	1000	PASS
n77(3450-3550)	30	60	632000	162@0	CP_QAM256	14.71	-2.6	12.11	16.26	1000	PASS
n77(3450-3550)	30	60	632000	81@40	CP_QAM256	14.31	-2.6	11.71	14.83	1000	PASS
n77(3450-3550)	30	60	632000	1@1	CP_QAM256	14.78	-2.6	12.18	16.52	1000	PASS
n77(3450-3550)	30	60	632000	1@160	CP_QAM256	14.33	-2.6	11.73	14.89	1000	PASS
n77(3450-3550)	30	60	633334	162@0	DFT_BPSK	20.8	-2.6	18.2	66.07	1000	PASS
n77(3450-3550)	30	60	633334	81@40	DFT_BPSK	21.36	-2.6	18.76	75.16	1000	PASS
n77(3450-3550)	30	60	633334	1@1	DFT_BPSK	21.24	-2.6	18.64	73.11	1000	PASS
n77(3450-3550)	30	60	633334	1@160	DFT_BPSK	20.94	-2.6	18.34	68.23	1000	PASS
n77(3450-3550)	30	60	633334	162@0	DFT_QPSK	20.25	-2.6	17.65	58.21	1000	PASS
n77(3450-3550)	30	60	633334	81@40	DFT_QPSK	21.36	-2.6	18.76	75.16	1000	PASS
n77(3450-3550)	30	60	633334	1@1	DFT_QPSK	21.2	-2.6	18.6	72.44	1000	PASS
n77(3450-3550)	30	60	633334	1@160	DFT_QPSK	20.92	-2.6	18.32	67.92	1000	PASS
n77(3450-3550)	30	60	633334	162@0	DFT_QAM16	19.26	-2.6	16.66	46.34	1000	PASS
n77(3450-3550)	30	60	633334	81@40	DFT_QAM16	20.3	-2.6	17.7	58.88	1000	PASS
n77(3450-3550)	30	60	633334	1@1	DFT_QAM16	19.98	-2.6	17.38	54.7	1000	PASS
n77(3450-3550)	30	60	633334	1@160	DFT_QAM16	19.71	-2.6	17.11	51.4	1000	PASS
n77(3450-3550)	30	60	633334	162@0	DFT_QAM64	18.26	-2.6	15.66	36.81	1000	PASS
n77(3450-3550)	30	60	633334	81@40	DFT_QAM64	18.79	-2.6	16.19	41.59	1000	PASS
n77(3450-3550)	30	60	633334	1@1	DFT_QAM64	18.19	-2.6	15.59	36.22	1000	PASS
n77(3450-3550)	30	60	633334	1@160	DFT_QAM64	18.19	-2.6	15.59	36.22	1000	PASS
n77(3450-3550)	30	60	633334	162@0	DFT_QAM256	18.18	-2.6	15.58	36.14	1000	PASS
n77(3450-3550)	30	60	633334	81@40	DFT_QAM256	16.79	-2.6	14.19	26.24	1000	PASS
n77(3450-3550)	30	60	633334	1@1	DFT_QAM256	16.58	-2.6	13.98	25	1000	PASS
n77(3450-3550)	30	60	633334	1@160	DFT_QAM256	16.27	-2.6	13.67	23.28	1000	PASS
n77(3450-3550)	30	60	633334	162@0	CP_QPSK	19.74	-2.6	17.14	51.76	1000	PASS
n77(3450-3550)	30	60	633334	81@40	CP_QPSK	19.79	-2.6	17.19	52.36	1000	PASS
n77(3450-3550)	30	60	633334	1@1	CP_QPSK	19.9	-2.6	17.3	53.7	1000	PASS
n77(3450-3550)	30	60	633334	1@160	CP_QPSK	19.59	-2.6	16.99	50	1000	PASS
n77(3450-3550)	30	60	633334	162@0	CP_QAM16	18.21	-2.6	15.61	36.39	1000	PASS
n77(3450-3550)	30	60	633334	81@40	CP_QAM16	19.31	-2.6	16.71	46.88	1000	PASS
n77(3450-3550)	30	60	633334	1@1	CP_QAM16	19.16	-2.6	16.56	45.29	1000	PASS
n77(3450-3550)	30	60	633334	1@160	CP_QAM16	19.77	-2.6	17.17	52.12	1000	PASS
n77(3450-3550)	30	60	633334	162@0	CP_QAM64	17.73	-2.6	15.13	32.58	1000	PASS
n77(3450-3550)	30	60	633334	81@40	CP_QAM64	17.52	-2.6	14.92	31.05	1000	PASS

n77(3450-3550)	30	60	633334	1@1	CP_QAM64	17.57	-2.6	14.97	31.41	1000	PASS
n77(3450-3550)	30	60	633334	1@160	CP_QAM64	17.27	-2.6	14.67	29.31	1000	PASS
n77(3450-3550)	30	60	633334	162@0	CP_QAM256	14.19	-2.6	11.59	14.42	1000	PASS
n77(3450-3550)	30	60	633334	81@40	CP_QAM256	14.76	-2.6	12.16	16.44	1000	PASS
n77(3450-3550)	30	60	633334	1@1	CP_QAM256	14.52	-2.6	11.92	15.56	1000	PASS
n77(3450-3550)	30	60	633334	1@160	CP_QAM256	14.5	-2.6	11.9	15.49	1000	PASS
n77(3450-3550)	30	60	634666	162@0	DFT_BPSK	20.72	-2.6	18.12	64.86	1000	PASS
n77(3450-3550)	30	60	634666	81@40	DFT_BPSK	21.27	-2.6	18.67	73.62	1000	PASS
n77(3450-3550)	30	60	634666	1@1	DFT_BPSK	21.17	-2.6	18.57	71.94	1000	PASS
n77(3450-3550)	30	60	634666	1@160	DFT_BPSK	20.81	-2.6	18.21	66.22	1000	PASS
n77(3450-3550)	30	60	634666	162@0	DFT_QPSK	20.21	-2.6	17.61	57.68	1000	PASS
n77(3450-3550)	30	60	634666	81@40	DFT_QPSK	21.31	-2.6	18.71	74.3	1000	PASS
n77(3450-3550)	30	60	634666	1@1	DFT_QPSK	21.15	-2.6	18.55	71.61	1000	PASS
n77(3450-3550)	30	60	634666	1@160	DFT_QPSK	20.83	-2.6	18.23	66.53	1000	PASS
n77(3450-3550)	30	60	634666	162@0	DFT_QAM16	19.22	-2.6	16.62	45.92	1000	PASS
n77(3450-3550)	30	60	634666	81@40	DFT_QAM16	20.3	-2.6	17.7	58.88	1000	PASS
n77(3450-3550)	30	60	634666	1@1	DFT_QAM16	19.84	-2.6	17.24	52.97	1000	PASS
n77(3450-3550)	30	60	634666	1@160	DFT_QAM16	19.55	-2.6	16.95	49.55	1000	PASS
n77(3450-3550)	30	60	634666	162@0	DFT_QAM64	18.13	-2.6	15.53	35.73	1000	PASS
n77(3450-3550)	30	60	634666	81@40	DFT_QAM64	18.75	-2.6	16.15	41.21	1000	PASS
n77(3450-3550)	30	60	634666	1@1	DFT_QAM64	18.13	-2.6	15.53	35.73	1000	PASS
n77(3450-3550)	30	60	634666	1@160	DFT_QAM64	18.09	-2.6	15.49	35.4	1000	PASS
n77(3450-3550)	30	60	634666	162@0	DFT_QAM256	16.67	-2.6	14.07	25.53	1000	PASS
n77(3450-3550)	30	60	634666	81@40	DFT_QAM256	16.73	-2.6	14.13	25.88	1000	PASS
n77(3450-3550)	30	60	634666	1@1	DFT_QAM256	16.59	-2.6	13.99	25.06	1000	PASS
n77(3450-3550)	30	60	634666	1@160	DFT_QAM256	16.12	-2.6	13.52	22.49	1000	PASS
n77(3450-3550)	30	60	634666	162@0	CP_QPSK	19.24	-2.6	16.64	46.13	1000	PASS
n77(3450-3550)	30	60	634666	81@40	CP_QPSK	19.69	-2.6	17.09	51.17	1000	PASS
n77(3450-3550)	30	60	634666	1@1	CP_QPSK	19.72	-2.6	17.12	51.52	1000	PASS
n77(3450-3550)	30	60	634666	1@160	CP_QPSK	19.38	-2.6	16.78	47.64	1000	PASS
n77(3450-3550)	30	60	634666	162@0	CP_QAM16	19.19	-2.6	16.59	45.6	1000	PASS
n77(3450-3550)	30	60	634666	81@40	CP_QAM16	19.23	-2.6	16.63	46.03	1000	PASS
n77(3450-3550)	30	60	634666	1@1	CP_QAM16	19.11	-2.6	16.51	44.77	1000	PASS
n77(3450-3550)	30	60	634666	1@160	CP_QAM16	18.82	-2.6	16.22	41.88	1000	PASS
n77(3450-3550)	30	60	634666	162@0	CP_QAM64	17.25	-2.6	14.65	29.17	1000	PASS
n77(3450-3550)	30	60	634666	81@40	CP_QAM64	17.7	-2.6	15.1	32.36	1000	PASS
n77(3450-3550)	30	60	634666	1@1	CP_QAM64	17.58	-2.6	14.98	31.48	1000	PASS
n77(3450-3550)	30	60	634666	1@160	CP_QAM64	17.23	-2.6	14.63	29.04	1000	PASS
n77(3450-3550)	30	60	634666	162@0	CP_QAM256	14.67	-2.6	12.07	16.11	1000	PASS
n77(3450-3550)	30	60	634666	81@40	CP_QAM256	14.14	-2.6	11.54	14.26	1000	PASS
n77(3450-3550)	30	60	634666	1@1	CP_QAM256	14.7	-2.6	12.1	16.22	1000	PASS

n77(3450-3550)	30	60	634666	1@160	CP_QAM256	14.7	-2.6	12.1	16.22	1000	PASS
n77(3450-3550)	30	70	632334	180@0	DFT_BPSK	21.06	-2.6	18.46	70.15	1000	PASS
n77(3450-3550)	30	70	632334	90@45	DFT_BPSK	21.68	-2.6	19.08	80.91	1000	PASS
n77(3450-3550)	30	70	632334	1@1	DFT_BPSK	21.32	-2.6	18.72	74.47	1000	PASS
n77(3450-3550)	30	70	632334	1@187	DFT_BPSK	21.09	-2.6	18.49	70.63	1000	PASS
n77(3450-3550)	30	70	632334	180@0	DFT_QPSK	20.75	-2.6	18.15	65.31	1000	PASS
n77(3450-3550)	30	70	632334	90@45	DFT_QPSK	21.68	-2.6	19.08	80.91	1000	PASS
n77(3450-3550)	30	70	632334	1@1	DFT_QPSK	21.27	-2.6	18.67	73.62	1000	PASS
n77(3450-3550)	30	70	632334	1@187	DFT_QPSK	21.02	-2.6	18.42	69.5	1000	PASS
n77(3450-3550)	30	70	632334	180@0	DFT_QAM16	19.69	-2.6	17.09	51.17	1000	PASS
n77(3450-3550)	30	70	632334	90@45	DFT_QAM16	20.85	-2.6	18.25	66.83	1000	PASS
n77(3450-3550)	30	70	632334	1@1	DFT_QAM16	20.7	-2.6	18.1	64.57	1000	PASS
n77(3450-3550)	30	70	632334	1@187	DFT_QAM16	20.51	-2.6	17.91	61.8	1000	PASS
n77(3450-3550)	30	70	632334	180@0	DFT_QAM64	19.23	-2.6	16.63	46.03	1000	PASS
n77(3450-3550)	30	70	632334	90@45	DFT_QAM64	19.34	-2.6	16.74	47.21	1000	PASS
n77(3450-3550)	30	70	632334	1@1	DFT_QAM64	18.75	-2.6	16.15	41.21	1000	PASS
n77(3450-3550)	30	70	632334	1@187	DFT_QAM64	18.43	-2.6	15.83	38.28	1000	PASS
n77(3450-3550)	30	70	632334	180@0	DFT_QAM256	18.88	-2.6	16.28	42.46	1000	PASS
n77(3450-3550)	30	70	632334	90@45	DFT_QAM256	17.3	-2.6	14.7	29.51	1000	PASS
n77(3450-3550)	30	70	632334	1@1	DFT_QAM256	16.55	-2.6	13.95	24.83	1000	PASS
n77(3450-3550)	30	70	632334	1@187	DFT_QAM256	16.88	-2.6	14.28	26.79	1000	PASS
n77(3450-3550)	30	70	632334	189@0	CP_QPSK	18.7	-2.6	16.1	40.74	1000	PASS
n77(3450-3550)	30	70	632334	95@47	CP_QPSK	20.36	-2.6	17.76	59.7	1000	PASS
n77(3450-3550)	30	70	632334	1@1	CP_QPSK	20.03	-2.6	17.43	55.34	1000	PASS
n77(3450-3550)	30	70	632334	1@187	CP_QPSK	19.83	-2.6	17.23	52.84	1000	PASS
n77(3450-3550)	30	70	632334	189@0	CP_QAM16	19.36	-2.6	16.76	47.42	1000	PASS
n77(3450-3550)	30	70	632334	95@47	CP_QAM16	19.84	-2.6	17.24	52.97	1000	PASS
n77(3450-3550)	30	70	632334	1@1	CP_QAM16	19.61	-2.6	17.01	50.23	1000	PASS
n77(3450-3550)	30	70	632334	1@187	CP_QAM16	19.42	-2.6	16.82	48.08	1000	PASS
n77(3450-3550)	30	70	632334	189@0	CP_QAM64	18.32	-2.6	15.72	37.33	1000	PASS
n77(3450-3550)	30	70	632334	95@47	CP_QAM64	18.31	-2.6	15.71	37.24	1000	PASS
n77(3450-3550)	30	70	632334	1@1	CP_QAM64	18.2	-2.6	15.6	36.31	1000	PASS
n77(3450-3550)	30	70	632334	1@187	CP_QAM64	17.84	-2.6	15.24	33.42	1000	PASS
n77(3450-3550)	30	70	632334	189@0	CP_QAM256	15.12	-2.6	12.52	17.86	1000	PASS
n77(3450-3550)	30	70	632334	95@47	CP_QAM256	15.23	-2.6	12.63	18.32	1000	PASS
n77(3450-3550)	30	70	632334	1@1	CP_QAM256	15.1	-2.6	12.5	17.78	1000	PASS
n77(3450-3550)	30	70	632334	1@187	CP_QAM256	14.7	-2.6	12.1	16.22	1000	PASS
n77(3450-3550)	30	70	633334	180@0	DFT_BPSK	21.09	-2.6	18.49	70.63	1000	PASS
n77(3450-3550)	30	70	633334	90@45	DFT_BPSK	21.67	-2.6	19.07	80.72	1000	PASS
n77(3450-3550)	30	70	633334	1@1	DFT_BPSK	21.27	-2.6	18.67	73.62	1000	PASS
n77(3450-3550)	30	70	633334	1@187	DFT_BPSK	21.1	-2.6	18.5	70.79	1000	PASS

n77(3450-3550)	30	70	633334	180@0	DFT_QPSK	20.77	-2.6	18.17	65.61	1000	PASS
n77(3450-3550)	30	70	633334	90@45	DFT_QPSK	21.69	-2.6	19.09	81.1	1000	PASS
n77(3450-3550)	30	70	633334	1@1	DFT_QPSK	21.23	-2.6	18.63	72.95	1000	PASS
n77(3450-3550)	30	70	633334	1@187	DFT_QPSK	21.06	-2.6	18.46	70.15	1000	PASS
n77(3450-3550)	30	70	633334	180@0	DFT_QAM16	19.73	-2.6	17.13	51.64	1000	PASS
n77(3450-3550)	30	70	633334	90@45	DFT_QAM16	20.84	-2.6	18.24	66.68	1000	PASS
n77(3450-3550)	30	70	633334	1@1	DFT_QAM16	20.67	-2.6	18.07	64.12	1000	PASS
n77(3450-3550)	30	70	633334	1@187	DFT_QAM16	20.48	-2.6	17.88	61.38	1000	PASS
n77(3450-3550)	30	70	633334	180@0	DFT_QAM64	19.28	-2.6	16.68	46.56	1000	PASS
n77(3450-3550)	30	70	633334	90@45	DFT_QAM64	19.33	-2.6	16.73	47.1	1000	PASS
n77(3450-3550)	30	70	633334	1@1	DFT_QAM64	18.71	-2.6	16.11	40.83	1000	PASS
n77(3450-3550)	30	70	633334	1@187	DFT_QAM64	18.54	-2.6	15.94	39.26	1000	PASS
n77(3450-3550)	30	70	633334	180@0	DFT_QAM256	17.18	-2.6	14.58	28.71	1000	PASS
n77(3450-3550)	30	70	633334	90@45	DFT_QAM256	17.23	-2.6	14.63	29.04	1000	PASS
n77(3450-3550)	30	70	633334	1@1	DFT_QAM256	17.05	-2.6	14.45	27.86	1000	PASS
n77(3450-3550)	30	70	633334	1@187	DFT_QAM256	16.92	-2.6	14.32	27.04	1000	PASS
n77(3450-3550)	30	70	633334	189@0	CP_QPSK	19.98	-2.6	17.38	54.7	1000	PASS
n77(3450-3550)	30	70	633334	95@47	CP_QPSK	20.33	-2.6	17.73	59.29	1000	PASS
n77(3450-3550)	30	70	633334	1@1	CP_QPSK	20.03	-2.6	17.43	55.34	1000	PASS
n77(3450-3550)	30	70	633334	1@187	CP_QPSK	19.82	-2.6	17.22	52.72	1000	PASS
n77(3450-3550)	30	70	633334	189@0	CP_QAM16	18.71	-2.6	16.11	40.83	1000	PASS
n77(3450-3550)	30	70	633334	95@47	CP_QAM16	19.81	-2.6	17.21	52.6	1000	PASS
n77(3450-3550)	30	70	633334	1@1	CP_QAM16	19.47	-2.6	16.87	48.64	1000	PASS
n77(3450-3550)	30	70	633334	1@187	CP_QAM16	19.25	-2.6	16.65	46.24	1000	PASS
n77(3450-3550)	30	70	633334	189@0	CP_QAM64	18.21	-2.6	15.61	36.39	1000	PASS
n77(3450-3550)	30	70	633334	95@47	CP_QAM64	18.03	-2.6	15.43	34.91	1000	PASS
n77(3450-3550)	30	70	633334	1@1	CP_QAM64	18.07	-2.6	15.47	35.24	1000	PASS
n77(3450-3550)	30	70	633334	1@187	CP_QAM64	17.86	-2.6	15.26	33.57	1000	PASS
n77(3450-3550)	30	70	633334	189@0	CP_QAM256	15.16	-2.6	12.56	18.03	1000	PASS
n77(3450-3550)	30	70	633334	95@47	CP_QAM256	15.2	-2.6	12.6	18.2	1000	PASS
n77(3450-3550)	30	70	633334	1@1	CP_QAM256	15.12	-2.6	12.52	17.86	1000	PASS
n77(3450-3550)	30	70	633334	1@187	CP_QAM256	14.82	-2.6	12.22	16.67	1000	PASS
n77(3450-3550)	30	70	634332	180@0	DFT_BPSK	21.1	-2.6	18.5	70.79	1000	PASS
n77(3450-3550)	30	70	634332	90@45	DFT_BPSK	21.66	-2.6	19.06	80.54	1000	PASS
n77(3450-3550)	30	70	634332	1@1	DFT_BPSK	21.38	-2.6	18.78	75.51	1000	PASS
n77(3450-3550)	30	70	634332	1@187	DFT_BPSK	21.03	-2.6	18.43	69.66	1000	PASS
n77(3450-3550)	30	70	634332	180@0	DFT_QPSK	20.78	-2.6	18.18	65.77	1000	PASS
n77(3450-3550)	30	70	634332	90@45	DFT_QPSK	21.69	-2.6	19.09	81.1	1000	PASS
n77(3450-3550)	30	70	634332	1@1	DFT_QPSK	21.37	-2.6	18.77	75.34	1000	PASS
n77(3450-3550)	30	70	634332	1@187	DFT_QPSK	20.99	-2.6	18.39	69.02	1000	PASS
n77(3450-3550)	30	70	634332	180@0	DFT_QAM16	19.74	-2.6	17.14	51.76	1000	PASS

n77(3450-3550)	30	70	634332	90@45	DFT_QAM16	20.84	-2.6	18.24	66.68	1000	PASS
n77(3450-3550)	30	70	634332	1@1	DFT_QAM16	20.58	-2.6	17.98	62.81	1000	PASS
n77(3450-3550)	30	70	634332	1@187	DFT_QAM16	20.24	-2.6	17.64	58.08	1000	PASS
n77(3450-3550)	30	70	634332	180@0	DFT_QAM64	19.26	-2.6	16.66	46.34	1000	PASS
n77(3450-3550)	30	70	634332	90@45	DFT_QAM64	19.29	-2.6	16.69	46.67	1000	PASS
n77(3450-3550)	30	70	634332	1@1	DFT_QAM64	18.86	-2.6	16.26	42.27	1000	PASS
n77(3450-3550)	30	70	634332	1@187	DFT_QAM64	18.23	-2.6	15.63	36.56	1000	PASS
n77(3450-3550)	30	70	634332	180@0	DFT_QAM256	18.96	-2.6	16.36	43.25	1000	PASS
n77(3450-3550)	30	70	634332	90@45	DFT_QAM256	17.31	-2.6	14.71	29.58	1000	PASS
n77(3450-3550)	30	70	634332	1@1	DFT_QAM256	17.2	-2.6	14.6	28.84	1000	PASS
n77(3450-3550)	30	70	634332	1@187	DFT_QAM256	17.32	-2.6	14.72	29.65	1000	PASS
n77(3450-3550)	30	70	634332	189@0	CP_QPSK	19.63	-2.6	17.03	50.47	1000	PASS
n77(3450-3550)	30	70	634332	95@47	CP_QPSK	20.34	-2.6	17.74	59.43	1000	PASS
n77(3450-3550)	30	70	634332	1@1	CP_QPSK	20.12	-2.6	17.52	56.49	1000	PASS
n77(3450-3550)	30	70	634332	1@187	CP_QPSK	19.77	-2.6	17.17	52.12	1000	PASS
n77(3450-3550)	30	70	634332	189@0	CP_QAM16	18.73	-2.6	16.13	41.02	1000	PASS
n77(3450-3550)	30	70	634332	95@47	CP_QAM16	19.78	-2.6	17.18	52.24	1000	PASS
n77(3450-3550)	30	70	634332	1@1	CP_QAM16	19.54	-2.6	16.94	49.43	1000	PASS
n77(3450-3550)	30	70	634332	1@187	CP_QAM16	19.2	-2.6	16.6	45.71	1000	PASS
n77(3450-3550)	30	70	634332	189@0	CP_QAM64	18.2	-2.6	15.6	36.31	1000	PASS
n77(3450-3550)	30	70	634332	95@47	CP_QAM64	18.29	-2.6	15.69	37.07	1000	PASS
n77(3450-3550)	30	70	634332	1@1	CP_QAM64	18.16	-2.6	15.56	35.97	1000	PASS
n77(3450-3550)	30	70	634332	1@187	CP_QAM64	17.82	-2.6	15.22	33.27	1000	PASS
n77(3450-3550)	30	70	634332	189@0	CP_QAM256	15.33	-2.6	12.73	18.75	1000	PASS
n77(3450-3550)	30	70	634332	95@47	CP_QAM256	15.25	-2.6	12.65	18.41	1000	PASS
n77(3450-3550)	30	70	634332	1@1	CP_QAM256	14.99	-2.6	12.39	17.34	1000	PASS
n77(3450-3550)	30	70	634332	1@187	CP_QAM256	14.65	-2.6	12.05	16.03	1000	PASS
n77(3450-3550)	30	80	632668	216@0	DFT_BPSK	20.76	-2.6	18.16	65.46	1000	PASS
n77(3450-3550)	30	80	632668	108@54	DFT_BPSK	21.37	-2.6	18.77	75.34	1000	PASS
n77(3450-3550)	30	80	632668	1@1	DFT_BPSK	21.14	-2.6	18.54	71.45	1000	PASS
n77(3450-3550)	30	80	632668	1@215	DFT_BPSK	20.72	-2.6	18.12	64.86	1000	PASS
n77(3450-3550)	30	80	632668	216@0	DFT_QPSK	20.23	-2.6	17.63	57.94	1000	PASS
n77(3450-3550)	30	80	632668	108@54	DFT_QPSK	21.4	-2.6	18.8	75.86	1000	PASS
n77(3450-3550)	30	80	632668	1@1	DFT_QPSK	21.07	-2.6	18.47	70.31	1000	PASS
n77(3450-3550)	30	80	632668	1@215	DFT_QPSK	20.67	-2.6	18.07	64.12	1000	PASS
n77(3450-3550)	30	80	632668	216@0	DFT_QAM16	19.23	-2.6	16.63	46.03	1000	PASS
n77(3450-3550)	30	80	632668	108@54	DFT_QAM16	20.38	-2.6	17.78	59.98	1000	PASS
n77(3450-3550)	30	80	632668	1@1	DFT_QAM16	20.19	-2.6	17.59	57.41	1000	PASS
n77(3450-3550)	30	80	632668	1@215	DFT_QAM16	19.79	-2.6	17.19	52.36	1000	PASS
n77(3450-3550)	30	80	632668	216@0	DFT_QAM64	18.07	-2.6	15.47	35.24	1000	PASS
n77(3450-3550)	30	80	632668	108@54	DFT_QAM64	18.86	-2.6	16.26	42.27	1000	PASS

n77(3450-3550)	30	80	632668	1@1	DFT_QAM64	18.38	-2.6	15.78	37.84	1000	PASS
n77(3450-3550)	30	80	632668	1@215	DFT_QAM64	18.27	-2.6	15.67	36.9	1000	PASS
n77(3450-3550)	30	80	632668	216@0	DFT_QAM256	16.06	-2.6	13.46	22.18	1000	PASS
n77(3450-3550)	30	80	632668	108@54	DFT_QAM256	16.79	-2.6	14.19	26.24	1000	PASS
n77(3450-3550)	30	80	632668	1@1	DFT_QAM256	16.4	-2.6	13.8	23.99	1000	PASS
n77(3450-3550)	30	80	632668	1@215	DFT_QAM256	16.16	-2.6	13.56	22.7	1000	PASS
n77(3450-3550)	30	80	632668	217@0	CP_QPSK	19.09	-2.6	16.49	44.57	1000	PASS
n77(3450-3550)	30	80	632668	109@54	CP_QPSK	19.84	-2.6	17.24	52.97	1000	PASS
n77(3450-3550)	30	80	632668	1@1	CP_QPSK	19.64	-2.6	17.04	50.58	1000	PASS
n77(3450-3550)	30	80	632668	1@215	CP_QPSK	19.25	-2.6	16.65	46.24	1000	PASS
n77(3450-3550)	30	80	632668	217@0	CP_QAM16	19.41	-2.6	16.81	47.97	1000	PASS
n77(3450-3550)	30	80	632668	109@54	CP_QAM16	19.35	-2.6	16.75	47.32	1000	PASS
n77(3450-3550)	30	80	632668	1@1	CP_QAM16	19.14	-2.6	16.54	45.08	1000	PASS
n77(3450-3550)	30	80	632668	1@215	CP_QAM16	19.29	-2.6	16.69	46.67	1000	PASS
n77(3450-3550)	30	80	632668	217@0	CP_QAM64	17.7	-2.6	15.1	32.36	1000	PASS
n77(3450-3550)	30	80	632668	109@54	CP_QAM64	17.83	-2.6	15.23	33.34	1000	PASS
n77(3450-3550)	30	80	632668	1@1	CP_QAM64	17.73	-2.6	15.13	32.58	1000	PASS
n77(3450-3550)	30	80	632668	1@215	CP_QAM64	17.09	-2.6	14.49	28.12	1000	PASS
n77(3450-3550)	30	80	632668	217@0	CP_QAM256	14.34	-2.6	11.74	14.93	1000	PASS
n77(3450-3550)	30	80	632668	109@54	CP_QAM256	14.84	-2.6	12.24	16.75	1000	PASS
n77(3450-3550)	30	80	632668	1@1	CP_QAM256	14.69	-2.6	12.09	16.18	1000	PASS
n77(3450-3550)	30	80	632668	1@215	CP_QAM256	14.07	-2.6	11.47	14.03	1000	PASS
n77(3450-3550)	30	80	633334	216@0	DFT_BPSK	20.78	-2.6	18.18	65.77	1000	PASS
n77(3450-3550)	30	80	633334	108@54	DFT_BPSK	21.37	-2.6	18.77	75.34	1000	PASS
n77(3450-3550)	30	80	633334	1@1	DFT_BPSK	21.1	-2.6	18.5	70.79	1000	PASS
n77(3450-3550)	30	80	633334	1@215	DFT_BPSK	20.69	-2.6	18.09	64.42	1000	PASS
n77(3450-3550)	30	80	633334	216@0	DFT_QPSK	20.28	-2.6	17.68	58.61	1000	PASS
n77(3450-3550)	30	80	633334	108@54	DFT_QPSK	21.35	-2.6	18.75	74.99	1000	PASS
n77(3450-3550)	30	80	633334	1@1	DFT_QPSK	21.02	-2.6	18.42	69.5	1000	PASS
n77(3450-3550)	30	80	633334	1@215	DFT_QPSK	20.66	-2.6	18.06	63.97	1000	PASS
n77(3450-3550)	30	80	633334	216@0	DFT_QAM16	19.27	-2.6	16.67	46.45	1000	PASS
n77(3450-3550)	30	80	633334	108@54	DFT_QAM16	20.34	-2.6	17.74	59.43	1000	PASS
n77(3450-3550)	30	80	633334	1@1	DFT_QAM16	20.2	-2.6	17.6	57.54	1000	PASS
n77(3450-3550)	30	80	633334	1@215	DFT_QAM16	19.79	-2.6	17.19	52.36	1000	PASS
n77(3450-3550)	30	80	633334	216@0	DFT_QAM64	18.32	-2.6	15.72	37.33	1000	PASS
n77(3450-3550)	30	80	633334	108@54	DFT_QAM64	18.84	-2.6	16.24	42.07	1000	PASS
n77(3450-3550)	30	80	633334	1@1	DFT_QAM64	18.02	-2.6	15.42	34.83	1000	PASS
n77(3450-3550)	30	80	633334	1@215	DFT_QAM64	18.23	-2.6	15.63	36.56	1000	PASS
n77(3450-3550)	30	80	633334	216@0	DFT_QAM256	16.23	-2.6	13.63	23.07	1000	PASS
n77(3450-3550)	30	80	633334	108@54	DFT_QAM256	16.77	-2.6	14.17	26.12	1000	PASS
n77(3450-3550)	30	80	633334	1@1	DFT_QAM256	16.33	-2.6	13.73	23.6	1000	PASS

n77(3450-3550)	30	80	633334	1@215	DFT_QAM256	16.1	-2.6	13.5	22.39	1000	PASS
n77(3450-3550)	30	80	633334	217@0	CP_QPSK	18.2	-2.6	15.6	36.31	1000	PASS
n77(3450-3550)	30	80	633334	109@54	CP_QPSK	19.83	-2.6	17.23	52.84	1000	PASS
n77(3450-3550)	30	80	633334	1@1	CP_QPSK	19.61	-2.6	17.01	50.23	1000	PASS
n77(3450-3550)	30	80	633334	1@215	CP_QPSK	19.2	-2.6	16.6	45.71	1000	PASS
n77(3450-3550)	30	80	633334	217@0	CP_QAM16	19.02	-2.6	16.42	43.85	1000	PASS
n77(3450-3550)	30	80	633334	109@54	CP_QAM16	19.32	-2.6	16.72	46.99	1000	PASS
n77(3450-3550)	30	80	633334	1@1	CP_QAM16	19.11	-2.6	16.51	44.77	1000	PASS
n77(3450-3550)	30	80	633334	1@215	CP_QAM16	19.57	-2.6	16.97	49.77	1000	PASS
n77(3450-3550)	30	80	633334	217@0	CP_QAM64	17.7	-2.6	15.1	32.36	1000	PASS
n77(3450-3550)	30	80	633334	109@54	CP_QAM64	17.49	-2.6	14.89	30.83	1000	PASS
n77(3450-3550)	30	80	633334	1@1	CP_QAM64	17.52	-2.6	14.92	31.05	1000	PASS
n77(3450-3550)	30	80	633334	1@215	CP_QAM64	17.05	-2.6	14.45	27.86	1000	PASS
n77(3450-3550)	30	80	633334	217@0	CP_QAM256	14.4	-2.6	11.8	15.14	1000	PASS
n77(3450-3550)	30	80	633334	109@54	CP_QAM256	14.83	-2.6	12.23	16.71	1000	PASS
n77(3450-3550)	30	80	633334	1@1	CP_QAM256	14.73	-2.6	12.13	16.33	1000	PASS
n77(3450-3550)	30	80	633334	1@215	CP_QAM256	14.22	-2.6	11.62	14.52	1000	PASS
n77(3450-3550)	30	80	634000	216@0	DFT_BPSK	20.8	-2.6	18.2	66.07	1000	PASS
n77(3450-3550)	30	80	634000	108@54	DFT_BPSK	21.35	-2.6	18.75	74.99	1000	PASS
n77(3450-3550)	30	80	634000	1@1	DFT_BPSK	21.11	-2.6	18.51	70.96	1000	PASS
n77(3450-3550)	30	80	634000	1@215	DFT_BPSK	20.7	-2.6	18.1	64.57	1000	PASS
n77(3450-3550)	30	80	634000	216@0	DFT_QPSK	20.28	-2.6	17.68	58.61	1000	PASS
n77(3450-3550)	30	80	634000	108@54	DFT_QPSK	21.36	-2.6	18.76	75.16	1000	PASS
n77(3450-3550)	30	80	634000	1@1	DFT_QPSK	21.04	-2.6	18.44	69.82	1000	PASS
n77(3450-3550)	30	80	634000	1@215	DFT_QPSK	20.62	-2.6	18.02	63.39	1000	PASS
n77(3450-3550)	30	80	634000	216@0	DFT_QAM16	19.27	-2.6	16.67	46.45	1000	PASS
n77(3450-3550)	30	80	634000	108@54	DFT_QAM16	20.35	-2.6	17.75	59.57	1000	PASS
n77(3450-3550)	30	80	634000	1@1	DFT_QAM16	20.24	-2.6	17.64	58.08	1000	PASS
n77(3450-3550)	30	80	634000	1@215	DFT_QAM16	19.8	-2.6	17.2	52.48	1000	PASS
n77(3450-3550)	30	80	634000	216@0	DFT_QAM64	18.99	-2.6	16.39	43.55	1000	PASS
n77(3450-3550)	30	80	634000	108@54	DFT_QAM64	18.8	-2.6	16.2	41.69	1000	PASS
n77(3450-3550)	30	80	634000	1@1	DFT_QAM64	18.31	-2.6	15.71	37.24	1000	PASS
n77(3450-3550)	30	80	634000	1@215	DFT_QAM64	18.24	-2.6	15.64	36.64	1000	PASS
n77(3450-3550)	30	80	634000	216@0	DFT_QAM256	18.4	-2.6	15.8	38.02	1000	PASS
n77(3450-3550)	30	80	634000	108@54	DFT_QAM256	16.74	-2.6	14.14	25.94	1000	PASS
n77(3450-3550)	30	80	634000	1@1	DFT_QAM256	16.53	-2.6	13.93	24.72	1000	PASS
n77(3450-3550)	30	80	634000	1@215	DFT_QAM256	16.29	-2.6	13.69	23.39	1000	PASS
n77(3450-3550)	30	80	634000	217@0	CP_QPSK	19.7	-2.6	17.1	51.29	1000	PASS
n77(3450-3550)	30	80	634000	109@54	CP_QPSK	19.79	-2.6	17.19	52.36	1000	PASS
n77(3450-3550)	30	80	634000	1@1	CP_QPSK	19.63	-2.6	17.03	50.47	1000	PASS
n77(3450-3550)	30	80	634000	1@215	CP_QPSK	19.21	-2.6	16.61	45.81	1000	PASS

n77(3450-3550)	30	80	634000	217@0	CP_QAM16	18.22	-2.6	15.62	36.48	1000	PASS
n77(3450-3550)	30	80	634000	109@54	CP_QAM16	19.28	-2.6	16.68	46.56	1000	PASS
n77(3450-3550)	30	80	634000	1@1	CP_QAM16	19.11	-2.6	16.51	44.77	1000	PASS
n77(3450-3550)	30	80	634000	1@215	CP_QAM16	18.97	-2.6	16.37	43.35	1000	PASS
n77(3450-3550)	30	80	634000	217@0	CP_QAM64	18.73	-2.6	16.13	41.02	1000	PASS
n77(3450-3550)	30	80	634000	109@54	CP_QAM64	18.53	-2.6	15.93	39.17	1000	PASS
n77(3450-3550)	30	80	634000	1@1	CP_QAM64	17.53	-2.6	14.93	31.12	1000	PASS
n77(3450-3550)	30	80	634000	1@215	CP_QAM64	18.34	-2.6	15.74	37.5	1000	PASS
n77(3450-3550)	30	80	634000	217@0	CP_QAM256	14.74	-2.6	12.14	16.37	1000	PASS
n77(3450-3550)	30	80	634000	109@54	CP_QAM256	14.82	-2.6	12.22	16.67	1000	PASS
n77(3450-3550)	30	80	634000	1@1	CP_QAM256	14.38	-2.6	11.78	15.07	1000	PASS
n77(3450-3550)	30	80	634000	1@215	CP_QAM256	14.27	-2.6	11.67	14.69	1000	PASS
n77(3450-3550)	30	90	633000	240@0	DFT_BPSK	20.73	-2.6	18.13	65.01	1000	PASS
n77(3450-3550)	30	90	633000	120@60	DFT_BPSK	21.35	-2.6	18.75	74.99	1000	PASS
n77(3450-3550)	30	90	633000	1@1	DFT_BPSK	20.99	-2.6	18.39	69.02	1000	PASS
n77(3450-3550)	30	90	633000	1@243	DFT_BPSK	20.49	-2.6	17.89	61.52	1000	PASS
n77(3450-3550)	30	90	633000	240@0	DFT_QPSK	20.17	-2.6	17.57	57.15	1000	PASS
n77(3450-3550)	30	90	633000	120@60	DFT_QPSK	21.32	-2.6	18.72	74.47	1000	PASS
n77(3450-3550)	30	90	633000	1@1	DFT_QPSK	20.89	-2.6	18.29	67.45	1000	PASS
n77(3450-3550)	30	90	633000	1@243	DFT_QPSK	20.43	-2.6	17.83	60.67	1000	PASS
n77(3450-3550)	30	90	633000	240@0	DFT_QAM16	19.21	-2.6	16.61	45.81	1000	PASS
n77(3450-3550)	30	90	633000	120@60	DFT_QAM16	20.31	-2.6	17.71	59.02	1000	PASS
n77(3450-3550)	30	90	633000	1@1	DFT_QAM16	20.05	-2.6	17.45	55.59	1000	PASS
n77(3450-3550)	30	90	633000	1@243	DFT_QAM16	19.56	-2.6	16.96	49.66	1000	PASS
n77(3450-3550)	30	90	633000	240@0	DFT_QAM64	19.62	-2.6	17.02	50.35	1000	PASS
n77(3450-3550)	30	90	633000	120@60	DFT_QAM64	18.76	-2.6	16.16	41.3	1000	PASS
n77(3450-3550)	30	90	633000	1@1	DFT_QAM64	18.62	-2.6	16.02	39.99	1000	PASS
n77(3450-3550)	30	90	633000	1@243	DFT_QAM64	18	-2.6	15.4	34.67	1000	PASS
n77(3450-3550)	30	90	633000	240@0	DFT_QAM256	16.45	-2.6	13.85	24.27	1000	PASS
n77(3450-3550)	30	90	633000	120@60	DFT_QAM256	16.74	-2.6	14.14	25.94	1000	PASS
n77(3450-3550)	30	90	633000	1@1	DFT_QAM256	16.23	-2.6	13.63	23.07	1000	PASS
n77(3450-3550)	30	90	633000	1@243	DFT_QAM256	15.89	-2.6	13.29	21.33	1000	PASS
n77(3450-3550)	30	90	633000	245@0	CP_QPSK	18.12	-2.6	15.52	35.65	1000	PASS
n77(3450-3550)	30	90	633000	123@61	CP_QPSK	19.77	-2.6	17.17	52.12	1000	PASS
n77(3450-3550)	30	90	633000	1@1	CP_QPSK	19.5	-2.6	16.9	48.98	1000	PASS
n77(3450-3550)	30	90	633000	1@243	CP_QPSK	19.04	-2.6	16.44	44.06	1000	PASS
n77(3450-3550)	30	90	633000	245@0	CP_QAM16	19.19	-2.6	16.59	45.6	1000	PASS
n77(3450-3550)	30	90	633000	123@61	CP_QAM16	19.28	-2.6	16.68	46.56	1000	PASS
n77(3450-3550)	30	90	633000	1@1	CP_QAM16	19.12	-2.6	16.52	44.87	1000	PASS
n77(3450-3550)	30	90	633000	1@243	CP_QAM16	18.43	-2.6	15.83	38.28	1000	PASS
n77(3450-3550)	30	90	633000	245@0	CP_QAM64	17.61	-2.6	15.01	31.7	1000	PASS

n77(3450-3550)	30	90	633000	123@61	CP_QAM64	17.72	-2.6	15.12	32.51	1000	PASS
n77(3450-3550)	30	90	633000	1@1	CP_QAM64	17.47	-2.6	14.87	30.69	1000	PASS
n77(3450-3550)	30	90	633000	1@243	CP_QAM64	16.87	-2.6	14.27	26.73	1000	PASS
n77(3450-3550)	30	90	633000	245@0	CP_QAM256	14.23	-2.6	11.63	14.55	1000	PASS
n77(3450-3550)	30	90	633000	123@61	CP_QAM256	14.78	-2.6	12.18	16.52	1000	PASS
n77(3450-3550)	30	90	633000	1@1	CP_QAM256	14.55	-2.6	11.95	15.67	1000	PASS
n77(3450-3550)	30	90	633000	1@243	CP_QAM256	14.19	-2.6	11.59	14.42	1000	PASS
n77(3450-3550)	30	90	633334	240@0	DFT_BPSK	20.73	-2.6	18.13	65.01	1000	PASS
n77(3450-3550)	30	90	633334	120@60	DFT_BPSK	21.35	-2.6	18.75	74.99	1000	PASS
n77(3450-3550)	30	90	633334	1@1	DFT_BPSK	20.94	-2.6	18.34	68.23	1000	PASS
n77(3450-3550)	30	90	633334	1@243	DFT_BPSK	20.54	-2.6	17.94	62.23	1000	PASS
n77(3450-3550)	30	90	633334	240@0	DFT_QPSK	20.22	-2.6	17.62	57.81	1000	PASS
n77(3450-3550)	30	90	633334	120@60	DFT_QPSK	21.35	-2.6	18.75	74.99	1000	PASS
n77(3450-3550)	30	90	633334	1@1	DFT_QPSK	20.88	-2.6	18.28	67.3	1000	PASS
n77(3450-3550)	30	90	633334	1@243	DFT_QPSK	20.47	-2.6	17.87	61.24	1000	PASS
n77(3450-3550)	30	90	633334	240@0	DFT_QAM16	19.17	-2.6	16.57	45.39	1000	PASS
n77(3450-3550)	30	90	633334	120@60	DFT_QAM16	20.35	-2.6	17.75	59.57	1000	PASS
n77(3450-3550)	30	90	633334	1@1	DFT_QAM16	20.03	-2.6	17.43	55.34	1000	PASS
n77(3450-3550)	30	90	633334	1@243	DFT_QAM16	19.62	-2.6	17.02	50.35	1000	PASS
n77(3450-3550)	30	90	633334	240@0	DFT_QAM64	18.56	-2.6	15.96	39.45	1000	PASS
n77(3450-3550)	30	90	633334	120@60	DFT_QAM64	18.83	-2.6	16.23	41.98	1000	PASS
n77(3450-3550)	30	90	633334	1@1	DFT_QAM64	18.53	-2.6	15.93	39.17	1000	PASS
n77(3450-3550)	30	90	633334	1@243	DFT_QAM64	18.06	-2.6	15.46	35.16	1000	PASS
n77(3450-3550)	30	90	633334	240@0	DFT_QAM256	16.15	-2.6	13.55	22.65	1000	PASS
n77(3450-3550)	30	90	633334	120@60	DFT_QAM256	16.76	-2.6	14.16	26.06	1000	PASS
n77(3450-3550)	30	90	633334	1@1	DFT_QAM256	16.51	-2.6	13.91	24.6	1000	PASS
n77(3450-3550)	30	90	633334	1@243	DFT_QAM256	15.96	-2.6	13.36	21.68	1000	PASS
n77(3450-3550)	30	90	633334	245@0	CP_QPSK	18.14	-2.6	15.54	35.81	1000	PASS
n77(3450-3550)	30	90	633334	123@61	CP_QPSK	19.81	-2.6	17.21	52.6	1000	PASS
n77(3450-3550)	30	90	633334	1@1	CP_QPSK	19.49	-2.6	16.89	48.87	1000	PASS
n77(3450-3550)	30	90	633334	1@243	CP_QPSK	19.06	-2.6	16.46	44.26	1000	PASS
n77(3450-3550)	30	90	633334	245@0	CP_QAM16	19.53	-2.6	16.93	49.32	1000	PASS
n77(3450-3550)	30	90	633334	123@61	CP_QAM16	19.29	-2.6	16.69	46.67	1000	PASS
n77(3450-3550)	30	90	633334	1@1	CP_QAM16	19.33	-2.6	16.73	47.1	1000	PASS
n77(3450-3550)	30	90	633334	1@243	CP_QAM16	18.55	-2.6	15.95	39.36	1000	PASS
n77(3450-3550)	30	90	633334	245@0	CP_QAM64	17.53	-2.6	14.93	31.12	1000	PASS
n77(3450-3550)	30	90	633334	123@61	CP_QAM64	17.76	-2.6	15.16	32.81	1000	PASS
n77(3450-3550)	30	90	633334	1@1	CP_QAM64	17.32	-2.6	14.72	29.65	1000	PASS
n77(3450-3550)	30	90	633334	1@243	CP_QAM64	16.94	-2.6	14.34	27.16	1000	PASS
n77(3450-3550)	30	90	633334	245@0	CP_QAM256	14.62	-2.6	12.02	15.92	1000	PASS
n77(3450-3550)	30	90	633334	123@61	CP_QAM256	14.78	-2.6	12.18	16.52	1000	PASS

n77(3450-3550)	30	90	633334	1@1	CP_QAM256	14.54	-2.6	11.94	15.63	1000	PASS
n77(3450-3550)	30	90	633334	1@243	CP_QAM256	14.13	-2.6	11.53	14.22	1000	PASS
n77(3450-3550)	30	90	633666	240@0	DFT_BPSK	20.73	-2.6	18.13	65.01	1000	PASS
n77(3450-3550)	30	90	633666	120@60	DFT_BPSK	21.34	-2.6	18.74	74.82	1000	PASS
n77(3450-3550)	30	90	633666	1@1	DFT_BPSK	21	-2.6	18.4	69.18	1000	PASS
n77(3450-3550)	30	90	633666	1@243	DFT_BPSK	20.54	-2.6	17.94	62.23	1000	PASS
n77(3450-3550)	30	90	633666	240@0	DFT_QPSK	20.24	-2.6	17.64	58.08	1000	PASS
n77(3450-3550)	30	90	633666	120@60	DFT_QPSK	21.34	-2.6	18.74	74.82	1000	PASS
n77(3450-3550)	30	90	633666	1@1	DFT_QPSK	20.95	-2.6	18.35	68.39	1000	PASS
n77(3450-3550)	30	90	633666	1@243	DFT_QPSK	20.5	-2.6	17.9	61.66	1000	PASS
n77(3450-3550)	30	90	633666	240@0	DFT_QAM16	19.21	-2.6	16.61	45.81	1000	PASS
n77(3450-3550)	30	90	633666	120@60	DFT_QAM16	20.35	-2.6	17.75	59.57	1000	PASS
n77(3450-3550)	30	90	633666	1@1	DFT_QAM16	20.07	-2.6	17.47	55.85	1000	PASS
n77(3450-3550)	30	90	633666	1@243	DFT_QAM16	19.64	-2.6	17.04	50.58	1000	PASS
n77(3450-3550)	30	90	633666	240@0	DFT_QAM64	18.65	-2.6	16.05	40.27	1000	PASS
n77(3450-3550)	30	90	633666	120@60	DFT_QAM64	18.79	-2.6	16.19	41.59	1000	PASS
n77(3450-3550)	30	90	633666	1@1	DFT_QAM64	18.45	-2.6	15.85	38.46	1000	PASS
n77(3450-3550)	30	90	633666	1@243	DFT_QAM64	18.09	-2.6	15.49	35.4	1000	PASS
n77(3450-3550)	30	90	633666	240@0	DFT_QAM256	16.26	-2.6	13.66	23.23	1000	PASS
n77(3450-3550)	30	90	633666	120@60	DFT_QAM256	16.8	-2.6	14.2	26.3	1000	PASS
n77(3450-3550)	30	90	633666	1@1	DFT_QAM256	16.08	-2.6	13.48	22.28	1000	PASS
n77(3450-3550)	30	90	633666	1@243	DFT_QAM256	15.96	-2.6	13.36	21.68	1000	PASS
n77(3450-3550)	30	90	633666	245@0	CP_QPSK	18.2	-2.6	15.6	36.31	1000	PASS
n77(3450-3550)	30	90	633666	123@61	CP_QPSK	19.78	-2.6	17.18	52.24	1000	PASS
n77(3450-3550)	30	90	633666	1@1	CP_QPSK	19.53	-2.6	16.93	49.32	1000	PASS
n77(3450-3550)	30	90	633666	1@243	CP_QPSK	19.15	-2.6	16.55	45.19	1000	PASS
n77(3450-3550)	30	90	633666	245@0	CP_QAM16	19.45	-2.6	16.85	48.42	1000	PASS
n77(3450-3550)	30	90	633666	123@61	CP_QAM16	19.29	-2.6	16.69	46.67	1000	PASS
n77(3450-3550)	30	90	633666	1@1	CP_QAM16	19.26	-2.6	16.66	46.34	1000	PASS
n77(3450-3550)	30	90	633666	1@243	CP_QAM16	18.59	-2.6	15.99	39.72	1000	PASS
n77(3450-3550)	30	90	633666	245@0	CP_QAM64	17.31	-2.6	14.71	29.58	1000	PASS
n77(3450-3550)	30	90	633666	123@61	CP_QAM64	17.75	-2.6	15.15	32.73	1000	PASS
n77(3450-3550)	30	90	633666	1@1	CP_QAM64	17.37	-2.6	14.77	29.99	1000	PASS
n77(3450-3550)	30	90	633666	1@243	CP_QAM64	17.36	-2.6	14.76	29.92	1000	PASS
n77(3450-3550)	30	90	633666	245@0	CP_QAM256	14.74	-2.6	12.14	16.37	1000	PASS
n77(3450-3550)	30	90	633666	123@61	CP_QAM256	14.34	-2.6	11.74	14.93	1000	PASS
n77(3450-3550)	30	90	633666	1@1	CP_QAM256	14.57	-2.6	11.97	15.74	1000	PASS
n77(3450-3550)	30	90	633666	1@243	CP_QAM256	14.21	-2.6	11.61	14.49	1000	PASS
n77(3450-3550)	30	100	633334	270@0	DFT_BPSK	20.67	-2.6	18.07	64.12	1000	PASS
n77(3450-3550)	30	100	633334	135@67	DFT_BPSK	21.35	-2.6	18.75	74.99	1000	PASS
n77(3450-3550)	30	100	633334	1@1	DFT_BPSK	20.94	-2.6	18.34	68.23	1000	PASS

n77(3450-3550)	30	100	633334	1@271	DFT_BPSK	20.4	-2.6	17.8	60.26	1000	PASS
n77(3450-3550)	30	100	633334	270@0	DFT_QPSK	20.15	-2.6	17.55	56.89	1000	PASS
n77(3450-3550)	30	100	633334	135@67	DFT_QPSK	21.36	-2.6	18.76	75.16	1000	PASS
n77(3450-3550)	30	100	633334	1@1	DFT_QPSK	20.85	-2.6	18.25	66.83	1000	PASS
n77(3450-3550)	30	100	633334	1@271	DFT_QPSK	20.4	-2.6	17.8	60.26	1000	PASS
n77(3450-3550)	30	100	633334	270@0	DFT_QAM16	19.17	-2.6	16.57	45.39	1000	PASS
n77(3450-3550)	30	100	633334	135@67	DFT_QAM16	20.33	-2.6	17.73	59.29	1000	PASS
n77(3450-3550)	30	100	633334	1@1	DFT_QAM16	19.98	-2.6	17.38	54.7	1000	PASS
n77(3450-3550)	30	100	633334	1@271	DFT_QAM16	19.49	-2.6	16.89	48.87	1000	PASS
n77(3450-3550)	30	100	633334	270@0	DFT_QAM64	18.09	-2.6	15.49	35.4	1000	PASS
n77(3450-3550)	30	100	633334	135@67	DFT_QAM64	18.81	-2.6	16.21	41.78	1000	PASS
n77(3450-3550)	30	100	633334	1@1	DFT_QAM64	18.86	-2.6	16.26	42.27	1000	PASS
n77(3450-3550)	30	100	633334	1@271	DFT_QAM64	17.93	-2.6	15.33	34.12	1000	PASS
n77(3450-3550)	30	100	633334	270@0	DFT_QAM256	16.89	-2.6	14.29	26.85	1000	PASS
n77(3450-3550)	30	100	633334	135@67	DFT_QAM256	16.75	-2.6	14.15	26	1000	PASS
n77(3450-3550)	30	100	633334	1@1	DFT_QAM256	16.29	-2.6	13.69	23.39	1000	PASS
n77(3450-3550)	30	100	633334	1@271	DFT_QAM256	16.88	-2.6	14.28	26.79	1000	PASS
n77(3450-3550)	30	100	633334	273@0	CP_QPSK	18.11	-2.6	15.51	35.56	1000	PASS
n77(3450-3550)	30	100	633334	137@68	CP_QPSK	19.78	-2.6	17.18	52.24	1000	PASS
n77(3450-3550)	30	100	633334	1@1	CP_QPSK	19.45	-2.6	16.85	48.42	1000	PASS
n77(3450-3550)	30	100	633334	1@271	CP_QPSK	18.93	-2.6	16.33	42.95	1000	PASS
n77(3450-3550)	30	100	633334	273@0	CP_QAM16	19.41	-2.6	16.81	47.97	1000	PASS
n77(3450-3550)	30	100	633334	137@68	CP_QAM16	19.25	-2.6	16.65	46.24	1000	PASS
n77(3450-3550)	30	100	633334	1@1	CP_QAM16	19.41	-2.6	16.81	47.97	1000	PASS
n77(3450-3550)	30	100	633334	1@271	CP_QAM16	18.41	-2.6	15.81	38.11	1000	PASS
n77(3450-3550)	30	100	633334	273@0	CP_QAM64	17.77	-2.6	15.17	32.89	1000	PASS
n77(3450-3550)	30	100	633334	137@68	CP_QAM64	17.74	-2.6	15.14	32.66	1000	PASS
n77(3450-3550)	30	100	633334	1@1	CP_QAM64	17.07	-2.6	14.47	27.99	1000	PASS
n77(3450-3550)	30	100	633334	1@271	CP_QAM64	16.79	-2.6	14.19	26.24	1000	PASS
n77(3450-3550)	30	100	633334	273@0	CP_QAM256	14.62	-2.6	12.02	15.92	1000	PASS
n77(3450-3550)	30	100	633334	137@68	CP_QAM256	14.08	-2.6	11.48	14.06	1000	PASS
n77(3450-3550)	30	100	633334	1@1	CP_QAM256	14.5	-2.6	11.9	15.49	1000	PASS
n77(3450-3550)	30	100	633334	1@271	CP_QAM256	14.65	-2.6	12.05	16.03	1000	PASS

2 Frequency stability

Condition		Band	SCS (kHz)	Bandwidth (MHz)	UL Channel	RB Allocation	Modulation	Result (Hz)	Result (ppm)	Verdict
Temperature (°C)	Voltage (V)									
20(Ref.)	3.0	n77(3450-3550)	30	100	633334	270@0	DFT_B PSK	-3.6	-0.00103	PASS
20(Ref.)	3.87	n77(3450-3550)	30	100	633334	270@0	DFT_B PSK	-7.6	-0.00217	PASS
20(Ref.)	4.35	n77(3450-3550)	30	100	633334	270@0	DFT_B PSK	-5.2	-0.00149	PASS
-30	3.87	n77(3450-3550)	30	100	633334	270@0	DFT_B PSK	-6.3	-0.0018	PASS
-20	3.87	n77(3450-3550)	30	100	633334	270@0	DFT_B PSK	-1.5	-0.00043	PASS
-10	3.87	n77(3450-3550)	30	100	633334	270@0	DFT_B PSK	-4.1	-0.00117	PASS
0	3.87	n77(3450-3550)	30	100	633334	270@0	DFT_B PSK	-7.7	-0.0022	PASS
10	3.87	n77(3450-3550)	30	100	633334	270@0	DFT_B PSK	-4.2	-0.0012	PASS
20(Ref.)	3.87	n77(3450-3550)	30	100	633334	270@0	DFT_B PSK	-7.6	-0.00217	PASS
30	3.87	n77(3450-3550)	30	100	633334	270@0	DFT_B PSK	-8.1	-0.00231	PASS
40	3.87	n77(3450-3550)	30	100	633334	270@0	DFT_B PSK	-7.1	-0.00203	PASS
50	3.87	n77(3450-3550)	30	100	633334	270@0	DFT_B PSK	-6.7	-0.00191	PASS

Note:

1. Normal Voltage = 3.87 V, Battery End Point (BEP) = 3.0 V, Maximum Voltage = 4.35 V.
2. The frequency fundamental emissions stay within the authorized frequency block.