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Appendix B.38

NR Band n38



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t (86-512) 62992980 www.sgs.com.cn
t (86-512) 62992980 sgs.china@sgs.com

Effective (Isotropic) Radiated Power Output Data for SA

Test Result

ANTO

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Power (dBm)	EIRP (dBm)	Limit	Verdict
N38	30	10	DFT-QPSK	L	Inner_1RB_Left	24.85	27.25	33.00	PASS
N38	30	10	DFT-16QAM	L	Inner_1RB_Left	24.71	27.11	33.00	PASS
N38	30	10	DFT-QPSK	M	Inner_1RB_Left	24.74	27.14	33.00	PASS
N38	30	10	DFT-16QAM	M	Inner_1RB_Left	24.66	27.06	33.00	PASS
N38	30	10	DFT-QPSK	H	Inner_1RB_Left	24.85	27.25	33.00	PASS
N38	30	10	DFT-16QAM	H	Inner_1RB_Left	24.73	27.13	33.00	PASS
N38	30	15	DFT-QPSK	L	Inner_1RB_Left	24.88	27.28	33.00	PASS
N38	30	15	DFT-16QAM	L	Inner_1RB_Left	24.86	27.26	33.00	PASS
N38	30	15	DFT-QPSK	M	Inner_1RB_Left	24.8	27.2	33.00	PASS
N38	30	15	DFT-16QAM	M	Inner_1RB_Left	24.75	27.15	33.00	PASS
N38	30	15	DFT-QPSK	H	Inner_1RB_Left	24.86	27.26	33.00	PASS
N38	30	15	DFT-16QAM	H	Inner_1RB_Left	24.81	27.21	33.00	PASS
N38	30	20	DFT-QPSK	L	Inner_1RB_Left	24.82	27.22	33.00	PASS
N38	30	20	DFT-16QAM	L	Inner_1RB_Left	24.77	27.17	33.00	PASS
N38	30	20	DFT-QPSK	M	Inner_1RB_Left	24.76	27.16	33.00	PASS
N38	30	20	DFT-16QAM	M	Inner_1RB_Left	24.66	27.06	33.00	PASS
N38	30	20	DFT-QPSK	H	Inner_1RB_Left	24.87	27.27	33.00	PASS
N38	30	20	DFT-16QAM	H	Inner_1RB_Left	24.75	27.15	33.00	PASS
N38	30	30	DFT-QPSK	L	Inner_1RB_Left	24.94	27.34	33.00	PASS
N38	30	30	DFT-16QAM	L	Inner_1RB_Left	24.84	27.24	33.00	PASS
N38	30	30	DFT-QPSK	M	Inner_1RB_Left	24.76	27.16	33.00	PASS
N38	30	30	DFT-16QAM	M	Inner_1RB_Left	24.62	27.02	33.00	PASS
N38	30	30	DFT-QPSK	H	Inner_1RB_Left	24.91	27.31	33.00	PASS
N38	30	30	DFT-16QAM	H	Inner_1RB_Left	24.87	27.27	33.00	PASS
N38	30	40	DFT-PI2BPSK	L	Inner_1RB_Left	24.83	27.23	33.00	PASS
N38	30	40	DFT-PI2BPSK	L	Inner_1RB_Right	24.95	27.35	33.00	PASS
N38	30	40	DFT-PI2BPSK	L	Outer_Full	24.76	27.16	33.00	PASS
N38	30	40	DFT-QPSK	L	Inner_1RB_Left	24.76	27.16	33.00	PASS
N38	30	40	DFT-QPSK	L	Inner_1RB_Right	24.85	27.25	33.00	PASS
N38	30	40	DFT-QPSK	L	Outer_Full	24.75	27.15	33.00	PASS
N38	30	40	DFT-16QAM	L	Inner_1RB_Left	24.62	27.02	33.00	PASS



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N38	30	40	DFT-16QAM	L	Inner_1RB_Right	24.63	27.03	33.00	PASS
N38	30	40	DFT-16QAM	L	Outer_Full	23.96	26.36	33.00	PASS
N38	30	40	DFT-64QAM	L	Inner_1RB_Left	23.48	25.88	33.00	PASS
N38	30	40	DFT-64QAM	L	Inner_1RB_Right	23.42	25.82	33.00	PASS
N38	30	40	DFT-64QAM	L	Outer_Full	23.4	25.8	33.00	PASS
N38	30	40	DFT-256QAM	L	Inner_1RB_Left	21.12	23.52	33.00	PASS
N38	30	40	DFT-256QAM	L	Inner_1RB_Right	21.3	23.7	33.00	PASS
N38	30	40	DFT-256QAM	L	Outer_Full	21.31	23.71	33.00	PASS
N38	30	40	DFT-PI2BPSK	M	Inner_1RB_Left	24.78	27.18	33.00	PASS
N38	30	40	DFT-PI2BPSK	M	Inner_1RB_Right	24.93	27.33	33.00	PASS
N38	30	40	DFT-PI2BPSK	M	Outer_Full	24.81	27.21	33.00	PASS
N38	30	40	DFT-QPSK	M	Inner_1RB_Left	24.81	27.21	33.00	PASS
N38	30	40	DFT-QPSK	M	Inner_1RB_Right	24.92	27.32	33.00	PASS
N38	30	40	DFT-QPSK	M	Outer_Full	24.98	27.38	33.00	PASS
N38	30	40	DFT-16QAM	M	Inner_1RB_Left	24.66	27.06	33.00	PASS
N38	30	40	DFT-16QAM	M	Inner_1RB_Right	24.69	27.09	33.00	PASS
N38	30	40	DFT-16QAM	M	Outer_Full	24.02	26.42	33.00	PASS
N38	30	40	DFT-64QAM	M	Inner_1RB_Left	23.38	25.78	33.00	PASS
N38	30	40	DFT-64QAM	M	Inner_1RB_Right	23.49	25.89	33.00	PASS
N38	30	40	DFT-64QAM	M	Outer_Full	23.55	25.95	33.00	PASS
N38	30	40	DFT-256QAM	M	Inner_1RB_Left	21.16	23.56	33.00	PASS
N38	30	40	DFT-256QAM	M	Inner_1RB_Right	21.33	23.73	33.00	PASS
N38	30	40	DFT-256QAM	M	Outer_Full	21.4	23.8	33.00	PASS
N38	30	40	DFT-PI2BPSK	H	Inner_1RB_Left	24.83	27.23	33.00	PASS
N38	30	40	DFT-PI2BPSK	H	Inner_1RB_Right	24.79	27.19	33.00	PASS
N38	30	40	DFT-PI2BPSK	H	Outer_Full	24.83	27.23	33.00	PASS
N38	30	40	DFT-QPSK	H	Inner_1RB_Left	24.86	27.26	33.00	PASS
N38	30	40	DFT-QPSK	H	Inner_1RB_Right	24.8	27.2	33.00	PASS
N38	30	40	DFT-QPSK	H	Outer_Full	24.8	27.2	33.00	PASS
N38	30	40	DFT-16QAM	H	Inner_1RB_Left	24.65	27.05	33.00	PASS
N38	30	40	DFT-16QAM	H	Inner_1RB_Right	24.61	27.01	33.00	PASS
N38	30	40	DFT-16QAM	H	Outer_Full	23.95	26.35	33.00	PASS
N38	30	40	DFT-64QAM	H	Inner_1RB_Left	23.42	25.82	33.00	PASS
N38	30	40	DFT-64QAM	H	Inner_1RB_Right	23.48	25.88	33.00	PASS
N38	30	40	DFT-64QAM	H	Outer_Full	23.48	25.88	33.00	PASS
N38	30	40	DFT-256QAM	H	Inner_1RB_Left	21.3	23.7	33.00	PASS
N38	30	40	DFT-256QAM	H	Inner_1RB_Right	21.2	23.6	33.00	PASS
N38	30	40	DFT-256QAM	H	Outer_Full	21.43	23.83	33.00	PASS



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Effective (Isotropic) Radiated Power Output Data for MIMO

Test Result

Band	SCS	Band width	Modulation	Chan nel	RB Config	Power Ant1	Power Ant2	Total Power	ERIP	Verdict
N38	30	10	CP-QPSK	L	Inner_1RB_Left	21.27	20.37	23.85	26.25	PASS
N38	30	10	CP-16QAM	L	Inner_1RB_Left	20.92	19.81	23.41	25.81	PASS
N38	30	10	CP-QPSK	M	Inner_1RB_Left	21.35	20.55	23.98	26.38	PASS
N38	30	10	CP-16QAM	M	Inner_1RB_Left	21.05	20.19	23.65	26.05	PASS
N38	30	10	CP-QPSK	H	Inner_1RB_Left	21.29	20.73	24.03	26.43	PASS
N38	30	10	CP-16QAM	H	Inner_1RB_Left	20.92	20.26	23.61	26.01	PASS
N38	30	15	CP-QPSK	L	Inner_1RB_Left	21.46	20.5	24.02	26.42	PASS
N38	30	15	CP-16QAM	L	Inner_1RB_Left	21.15	19.88	23.57	25.97	PASS
N38	30	15	CP-QPSK	M	Inner_1RB_Left	21.29	20.8	24.06	26.46	PASS
N38	30	15	CP-16QAM	M	Inner_1RB_Left	21.06	20.22	23.67	26.07	PASS
N38	30	15	CP-QPSK	H	Inner_1RB_Left	21.41	20.71	24.08	26.48	PASS
N38	30	15	CP-16QAM	H	Inner_1RB_Left	21.09	20.16	23.66	26.06	PASS
N38	30	20	CP-QPSK	L	Inner_1RB_Left	21.36	20.44	23.93	26.33	PASS
N38	30	20	CP-16QAM	L	Inner_1RB_Left	21.03	19.93	23.53	25.93	PASS
N38	30	20	CP-QPSK	M	Inner_1RB_Left	21.37	20.9	24.15	26.55	PASS
N38	30	20	CP-16QAM	M	Inner_1RB_Left	21.08	20.29	23.71	26.11	PASS
N38	30	20	CP-QPSK	H	Inner_1RB_Left	21.45	20.53	24.02	26.42	PASS
N38	30	20	CP-16QAM	H	Inner_1RB_Left	21.09	19.98	23.58	25.98	PASS
N38	30	30	CP-QPSK	L	Inner_1RB_Left	21.60	20.57	24.13	26.53	PASS
N38	30	30	CP-16QAM	L	Inner_1RB_Left	21.30	19.93	23.68	26.08	PASS
N38	30	30	CP-QPSK	M	Inner_1RB_Left	21.42	20.84	24.15	26.55	PASS
N38	30	30	CP-16QAM	M	Inner_1RB_Left	21.11	20.34	23.75	26.15	PASS
N38	30	30	CP-QPSK	H	Inner_1RB_Left	21.55	20.83	24.22	26.62	PASS
N38	30	30	CP-16QAM	H	Inner_1RB_Left	21.25	20.29	23.81	26.21	PASS
N38	30	40	CP-QPSK	L	Inner_1RB_Left	21.48	20.58	24.06	26.46	PASS
N38	30	40	CP-QPSK	L	Inner_1RB_Right	21.56	21.15	24.37	26.77	PASS
N38	30	40	CP-QPSK	L	Outer_Full	19.93	19.51	22.74	25.14	PASS
N38	30	40	CP-16QAM	L	Inner_1RB_Left	21.09	20.06	23.62	26.02	PASS
N38	30	40	CP-16QAM	L	Inner_1RB_Right	21.22	20.45	23.86	26.26	PASS
N38	30	40	CP-16QAM	L	Outer_Full	20.01	19.41	22.73	25.13	PASS



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N38	30	40	CP-64QAM	L	Inner_1RB_Left	21.14	20.11	23.67	26.07	PASS
N38	30	40	CP-64QAM	L	Inner_1RB_Right	20.67	20.16	23.43	25.83	PASS
N38	30	40	CP-64QAM	L	Outer_Full	19.05	18.50	21.79	24.19	PASS
N38	30	40	CP-256QAM	L	Inner_1RB_Left	17.63	16.55	20.13	22.53	PASS
N38	30	40	CP-256QAM	L	Inner_1RB_Right	17.71	17.07	20.41	22.81	PASS
N38	30	40	CP-256QAM	L	Outer_Full	17.99	17.57	20.80	23.20	PASS
N38	30	40	CP-QPSK	M	Inner_1RB_Left	21.45	21.01	24.25	26.65	PASS
N38	30	40	CP-QPSK	M	Inner_1RB_Right	21.77	21.02	24.42	26.82	PASS
N38	30	40	CP-QPSK	M	Outer_Full	20.11	19.46	22.81	25.21	PASS
N38	30	40	CP-16QAM	M	Inner_1RB_Left	21.14	20.41	23.80	26.20	PASS
N38	30	40	CP-16QAM	M	Inner_1RB_Right	21.27	20.17	23.77	26.17	PASS
N38	30	40	CP-16QAM	M	Outer_Full	20.00	19.42	22.73	25.13	PASS
N38	30	40	CP-64QAM	M	Inner_1RB_Left	21.05	20.51	23.80	26.20	PASS
N38	30	40	CP-64QAM	M	Inner_1RB_Right	21.17	20.41	23.82	26.22	PASS
N38	30	40	CP-64QAM	M	Outer_Full	19.07	18.43	21.77	24.17	PASS
N38	30	40	CP-256QAM	M	Inner_1RB_Left	17.52	17.02	20.29	22.69	PASS
N38	30	40	CP-256QAM	M	Inner_1RB_Right	17.74	16.83	20.32	22.72	PASS
N38	30	40	CP-256QAM	M	Outer_Full	18.20	17.51	20.88	23.28	PASS
N38	30	40	CP-QPSK	H	Inner_1RB_Left	21.53	20.64	24.12	26.52	PASS
N38	30	40	CP-QPSK	H	Inner_1RB_Right	21.61	20.84	24.25	26.65	PASS
N38	30	40	CP-QPSK	H	Outer_Full	19.96	19.51	22.75	25.15	PASS
N38	30	40	CP-16QAM	H	Inner_1RB_Left	21.25	20.13	23.74	26.14	PASS
N38	30	40	CP-16QAM	H	Inner_1RB_Right	21.14	20.27	23.74	26.14	PASS
N38	30	40	CP-16QAM	H	Outer_Full	19.99	19.47	22.67	25.07	PASS
N38	30	40	CP-64QAM	H	Inner_1RB_Left	21.16	20.20	23.72	26.12	PASS
N38	30	40	CP-64QAM	H	Inner_1RB_Right	21.01	20.38	23.72	26.12	PASS
N38	30	40	CP-64QAM	H	Outer_Full	19.03	18.39	21.73	24.13	PASS
N38	30	40	CP-256QAM	H	Inner_1RB_Left	17.67	16.61	20.18	22.58	PASS
N38	30	40	CP-256QAM	H	Inner_1RB_Right	17.59	16.84	20.24	22.64	PASS
N38	30	40	CP-256QAM	H	Outer_Full	18.18	17.46	20.85	23.25	PASS



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Peak-to-Average Ratio for SA

Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	DutyCycle	Factor	Result	Limit	Verdict
N38	30	40	DFT-256QAM	L	Outer_Full	19.4%	7.12	2.60	≤13	PASS
N38	30	40	CP-256QAM	L	Outer_Full	19.4%	7.12	3.50	≤13	PASS
N38	30	40	DFT-256QAM	M	Outer_Full	19.4%	7.12	2.35	≤13	PASS
N38	30	40	CP-256QAM	M	Outer_Full	19.4%	7.12	3.59	≤13	PASS
N38	30	40	DFT-256QAM	H	Outer_Full	19.4%	7.12	2.68	≤13	PASS
N38	30	40	CP-256QAM	H	Outer_Full	19.4%	7.12	3.74	≤13	PASS



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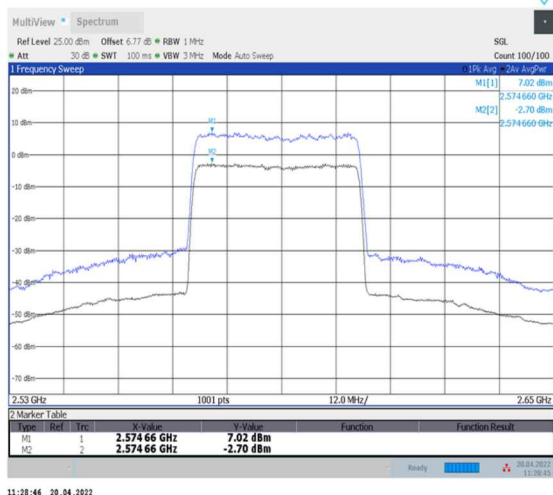
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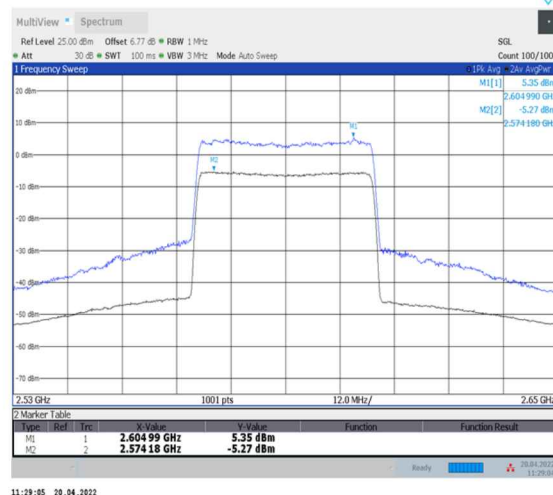
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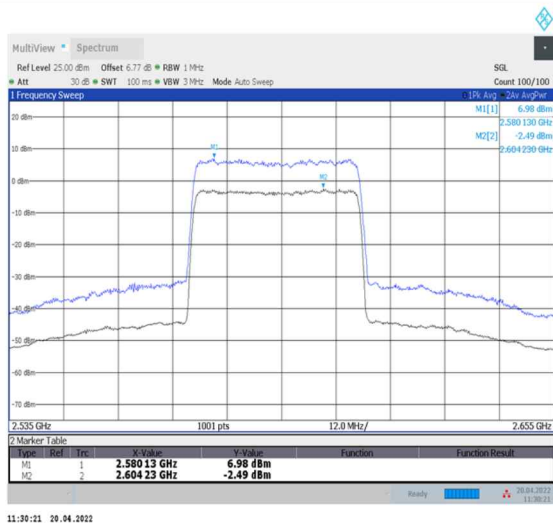
Test Graphs



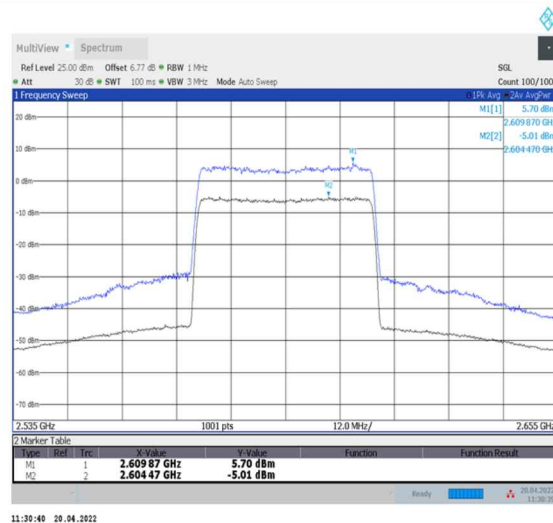
1-N38--30-40-L-1-DFT-256QAM-Outer_Full-100@0-
Ant0-9.72-19.4%-7.12-2.60-PASS-≤13



1-N38--30-40-L-2-CP-256QAM-Outer_Full-106@0-
Ant0-10.62-19.4%-7.12-3.50-PASS-≤13



1-N38--30-40-M-1-DFT-256QAM-Outer_Full-100@0-
Ant0-9.47-19.4%-7.12-2.35-PASS-≤13



1-N38--30-40-M-2-CP-256QAM-Outer_Full-106@0-
Ant0-10.71-19.4%-7.12-3.59-PASS-≤13



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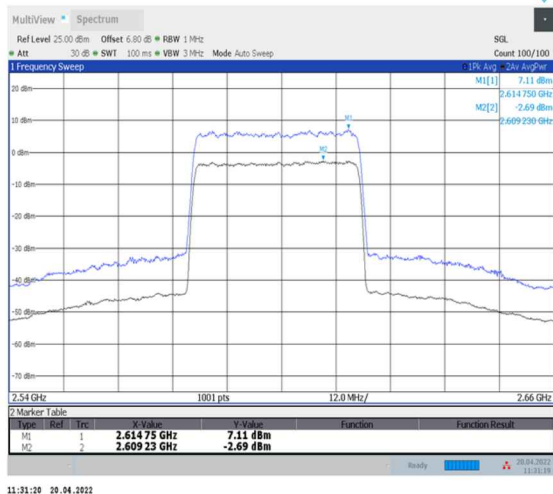
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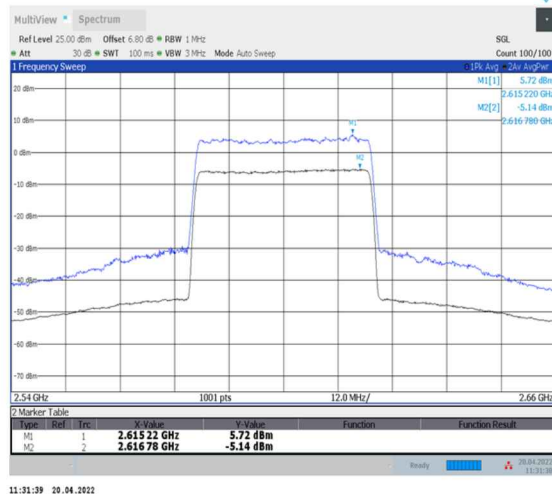
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1-N38--30-40-H-1-DFT-256QAM-Outer_Full-100@0-
Ant0-9.80-19.4%-7.12-2.68-PASS-≤13



1-N38--30-40-H-2-CP-256QAM-Outer_Full-106@0-
Ant0-10.86-19.4%-7.12-3.74-PASS-≤13



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26dB Bandwidth and Occupied Bandwidth for SA

Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result (99%)	Result (26dB)	Verdict
N38	30	10	DFT-QPSK	L	Outer_Full	8.577	9.400	PASS
N38	30	10	DFT-PI2BPSK	L	Outer_Full	8.544	9.360	PASS
N38	30	10	DFT-16QAM	L	Outer_Full	8.592	9.500	PASS
N38	30	10	DFT-64QAM	L	Outer_Full	8.558	9.480	PASS
N38	30	10	DFT-256QAM	L	Outer_Full	8.591	10.000	PASS
N38	30	10	CP-QPSK	L	Outer_Full	8.565	9.480	PASS
N38	30	10	CP-16QAM	L	Outer_Full	8.615	9.440	PASS
N38	30	10	CP-64QAM	L	Outer_Full	8.608	9.500	PASS
N38	30	10	CP-256QAM	L	Outer_Full	8.583	9.620	PASS
N38	30	10	DFT-QPSK	M	Outer_Full	8.595	9.860	PASS
N38	30	10	DFT-PI2BPSK	M	Outer_Full	8.574	9.360	PASS
N38	30	10	DFT-16QAM	M	Outer_Full	8.592	10.000	PASS
N38	30	10	DFT-64QAM	M	Outer_Full	8.6	9.320	PASS
N38	30	10	DFT-256QAM	M	Outer_Full	8.57	9.500	PASS
N38	30	10	CP-QPSK	M	Outer_Full	8.601	9.440	PASS
N38	30	10	CP-16QAM	M	Outer_Full	8.6	9.540	PASS
N38	30	10	CP-64QAM	M	Outer_Full	8.608	9.500	PASS
N38	30	10	CP-256QAM	M	Outer_Full	8.577	9.540	PASS
N38	30	10	DFT-QPSK	H	Outer_Full	8.599	9.480	PASS
N38	30	10	DFT-PI2BPSK	H	Outer_Full	8.58	9.320	PASS
N38	30	10	DFT-16QAM	H	Outer_Full	8.608	9.540	PASS
N38	30	10	DFT-64QAM	H	Outer_Full	8.594	9.360	PASS
N38	30	10	DFT-256QAM	H	Outer_Full	8.559	9.860	PASS
N38	30	10	CP-QPSK	H	Outer_Full	8.615	9.600	PASS
N38	30	10	CP-16QAM	H	Outer_Full	8.571	10.020	PASS
N38	30	10	CP-64QAM	H	Outer_Full	8.609	9.420	PASS
N38	30	10	CP-256QAM	H	Outer_Full	8.595	9.760	PASS
N38	30	15	DFT-QPSK	L	Outer_Full	12.885	14.280	PASS
N38	30	15	DFT-PI2BPSK	L	Outer_Full	12.949	14.040	PASS
N38	30	15	DFT-16QAM	L	Outer_Full	12.852	14.010	PASS
N38	30	15	DFT-64QAM	L	Outer_Full	12.891	14.250	PASS



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N38	30	15	DFT-256QAM	L	Outer_Full	12.813	13.920	PASS
N38	30	15	CP-QPSK	L	Outer_Full	13.588	14.670	PASS
N38	30	15	CP-16QAM	L	Outer_Full	13.571	14.940	PASS
N38	30	15	CP-64QAM	L	Outer_Full	13.606	14.970	PASS
N38	30	15	CP-256QAM	L	Outer_Full	13.604	14.820	PASS
N38	30	15	DFT-QPSK	M	Outer_Full	12.914	14.010	PASS
N38	30	15	DFT-PI2BPSK	M	Outer_Full	12.896	14.070	PASS
N38	30	15	DFT-16QAM	M	Outer_Full	12.899	14.190	PASS
N38	30	15	DFT-64QAM	M	Outer_Full	12.887	14.250	PASS
N38	30	15	DFT-256QAM	M	Outer_Full	12.871	14.340	PASS
N38	30	15	CP-QPSK	M	Outer_Full	13.581	14.640	PASS
N38	30	15	CP-16QAM	M	Outer_Full	13.575	15.060	PASS
N38	30	15	CP-64QAM	M	Outer_Full	13.675	14.790	PASS
N38	30	15	CP-256QAM	M	Outer_Full	13.615	14.970	PASS
N38	30	15	DFT-QPSK	H	Outer_Full	12.877	14.010	PASS
N38	30	15	DFT-PI2BPSK	H	Outer_Full	12.834	14.130	PASS
N38	30	15	DFT-16QAM	H	Outer_Full	12.835	13.950	PASS
N38	30	15	DFT-64QAM	H	Outer_Full	12.878	14.400	PASS
N38	30	15	DFT-256QAM	H	Outer_Full	12.829	13.680	PASS
N38	30	15	CP-QPSK	H	Outer_Full	13.607	14.610	PASS
N38	30	15	CP-16QAM	H	Outer_Full	13.589	14.550	PASS
N38	30	15	CP-64QAM	H	Outer_Full	13.568	14.400	PASS
N38	30	15	CP-256QAM	H	Outer_Full	13.524	14.850	PASS
N38	30	20	DFT-QPSK	L	Outer_Full	17.906	19.560	PASS
N38	30	20	DFT-PI2BPSK	L	Outer_Full	17.871	19.720	PASS
N38	30	20	DFT-16QAM	L	Outer_Full	17.906	19.560	PASS
N38	30	20	DFT-64QAM	L	Outer_Full	17.906	19.480	PASS
N38	30	20	DFT-256QAM	L	Outer_Full	17.877	19.560	PASS
N38	30	20	CP-QPSK	L	Outer_Full	18.213	20.080	PASS
N38	30	20	CP-16QAM	L	Outer_Full	18.236	20.000	PASS
N38	30	20	CP-64QAM	L	Outer_Full	18.23	19.880	PASS
N38	30	20	CP-256QAM	L	Outer_Full	18.237	19.680	PASS
N38	30	20	DFT-QPSK	M	Outer_Full	17.897	19.560	PASS
N38	30	20	DFT-PI2BPSK	M	Outer_Full	17.858	19.760	PASS
N38	30	20	DFT-16QAM	M	Outer_Full	17.912	19.600	PASS
N38	30	20	DFT-64QAM	M	Outer_Full	17.9	19.520	PASS
N38	30	20	DFT-256QAM	M	Outer_Full	17.891	19.480	PASS
N38	30	20	CP-QPSK	M	Outer_Full	18.226	20.000	PASS



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