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Appendix B.39

NR Band n41



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Effective (Isotropic) Radiated Power Output Data for SA

Test Result

ANT0

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Power (dBm)	EIRP (dBm)	Limit	Verdict
N41	30	20	DFT-QPSK	L	Inner_1RB_Left	26.33	28.73	33.00	PASS
N41	30	20	DFT-16QAM	L	Inner_1RB_Left	25.85	28.25	33.00	PASS
N41	30	20	DFT-QPSK	M	Inner_1RB_Left	26.35	28.75	33.00	PASS
N41	30	20	DFT-16QAM	M	Inner_1RB_Left	25.95	28.35	33.00	PASS
N41	30	20	DFT-QPSK	H	Inner_1RB_Left	26.34	28.74	33.00	PASS
N41	30	20	DFT-16QAM	H	Inner_1RB_Left	26	28.4	33.00	PASS
N41	30	30	DFT-QPSK	L	Inner_1RB_Left	26.24	28.64	33.00	PASS
N41	30	30	DFT-16QAM	L	Inner_1RB_Left	25.86	28.26	33.00	PASS
N41	30	30	DFT-PI2BPSK	M	Outer_Full	24.63	27.03	33.00	PASS
N41	30	30	DFT-QPSK	M	Inner_1RB_Left	26.32	28.72	33.00	PASS
N41	30	30	DFT-16QAM	M	Inner_1RB_Left	25.91	28.31	33.00	PASS
N41	30	30	DFT-QPSK	H	Inner_1RB_Left	26.29	28.69	33.00	PASS
N41	30	30	DFT-16QAM	H	Inner_1RB_Left	25.97	28.37	33.00	PASS
N41	30	40	DFT-QPSK	L	Inner_1RB_Left	26.3	28.7	33.00	PASS
N41	30	40	DFT-16QAM	L	Inner_1RB_Left	25.92	28.32	33.00	PASS
N41	30	40	DFT-QPSK	M	Inner_1RB_Left	26.35	28.75	33.00	PASS
N41	30	40	DFT-16QAM	M	Inner_1RB_Left	26.02	28.42	33.00	PASS
N41	30	40	DFT-QPSK	H	Inner_1RB_Left	26.24	28.64	33.00	PASS
N41	30	40	DFT-16QAM	H	Inner_1RB_Left	25.88	28.28	33.00	PASS
N41	30	50	DFT-QPSK	L	Inner_1RB_Left	26.18	28.58	33.00	PASS
N41	30	50	DFT-16QAM	L	Inner_1RB_Left	25.8	28.2	33.00	PASS
N41	30	50	DFT-QPSK	M	Inner_1RB_Left	26.35	28.75	33.00	PASS
N41	30	50	DFT-16QAM	M	Inner_1RB_Left	25.91	28.31	33.00	PASS
N41	30	50	DFT-QPSK	H	Inner_1RB_Left	25.92	28.32	33.00	PASS
N41	30	50	DFT-16QAM	H	Inner_1RB_Left	25.54	27.94	33.00	PASS
N41	30	60	DFT-QPSK	L	Inner_1RB_Left	17.72	20.12	33.00	PASS
N41	30	60	DFT-16QAM	L	Inner_1RB_Left	25.74	28.14	33.00	PASS
N41	30	60	DFT-QPSK	M	Inner_1RB_Left	26.23	28.63	33.00	PASS
N41	30	60	DFT-16QAM	M	Inner_1RB_Left	25.88	28.28	33.00	PASS
N41	30	60	DFT-QPSK	H	Inner_1RB_Left	26.07	28.47	33.00	PASS



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N41	30	60	DFT-16QAM	H	Inner_1RB_Left	25.69	28.09	33.00	PASS
N41	30	70	DFT-QPSK	L	Inner_1RB_Left	25.85	28.25	33.00	PASS
N41	30	70	DFT-16QAM	L	Inner_1RB_Left	25.6	28	33.00	PASS
N41	30	70	DFT-QPSK	M	Inner_1RB_Left	25.98	28.38	33.00	PASS
N41	30	70	DFT-16QAM	M	Inner_1RB_Left	25.61	28.01	33.00	PASS
N41	30	70	DFT-QPSK	H	Inner_1RB_Left	26.04	28.44	33.00	PASS
N41	30	70	DFT-16QAM	H	Inner_1RB_Left	25.72	28.12	33.00	PASS
N41	30	80	DFT-QPSK	L	Inner_1RB_Left	25.84	28.24	33.00	PASS
N41	30	80	DFT-16QAM	L	Inner_1RB_Left	25.52	27.92	33.00	PASS
N41	30	80	DFT-QPSK	M	Inner_1RB_Left	25.83	28.23	33.00	PASS
N41	30	80	DFT-16QAM	M	Inner_1RB_Left	25.46	27.86	33.00	PASS
N41	30	80	DFT-QPSK	H	Inner_1RB_Left	26.01	28.41	33.00	PASS
N41	30	80	DFT-16QAM	H	Inner_1RB_Left	25.66	28.06	33.00	PASS
N41	30	90	DFT-QPSK	L	Inner_1RB_Left	25.82	28.22	33.00	PASS
N41	30	90	DFT-16QAM	L	Inner_1RB_Left	25.49	27.89	33.00	PASS
N41	30	90	DFT-QPSK	M	Inner_1RB_Left	25.75	28.15	33.00	PASS
N41	30	90	DFT-16QAM	M	Inner_1RB_Left	25.34	27.74	33.00	PASS
N41	30	90	DFT-QPSK	H	Inner_1RB_Left	26	28.4	33.00	PASS
N41	30	90	DFT-16QAM	H	Inner_1RB_Left	25.62	28.02	33.00	PASS
N41	30	100	DFT-PI2BPSK	L	Inner_1RB_Left	25.88	28.28	33.00	PASS
N41	30	100	DFT-PI2BPSK	L	Inner_1RB_Right	26.5	28.9	33.00	PASS
N41	30	100	DFT-PI2BPSK	L	Outer_Full	24.34	26.74	33.00	PASS
N41	30	100	DFT-QPSK	L	Inner_1RB_Left	25.97	28.37	33.00	PASS
N41	30	100	DFT-QPSK	L	Inner_1RB_Right	26.47	28.87	33.00	PASS
N41	30	100	DFT-QPSK	L	Outer_Full	23.7	26.1	33.00	PASS
N41	30	100	DFT-16QAM	L	Inner_1RB_Left	25.55	27.95	33.00	PASS
N41	30	100	DFT-16QAM	L	Inner_1RB_Right	26.17	28.57	33.00	PASS
N41	30	100	DFT-16QAM	L	Outer_Full	21.7	24.1	33.00	PASS
N41	30	100	DFT-64QAM	L	Inner_1RB_Left	24.01	26.41	33.00	PASS
N41	30	100	DFT-64QAM	L	Inner_1RB_Right	24.61	27.01	33.00	PASS
N41	30	100	DFT-64QAM	L	Outer_Full	22.22	24.62	33.00	PASS
N41	30	100	DFT-256QAM	L	Inner_1RB_Left	21.79	24.19	33.00	PASS
N41	30	100	DFT-256QAM	L	Inner_1RB_Right	22.41	24.81	33.00	PASS
N41	30	100	DFT-256QAM	L	Outer_Full	20.19	22.59	33.00	PASS
N41	30	100	DFT-	M	Inner_1RB_Left	25.78	28.18	33.00	PASS



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			PI2BPSK						
N41	30	100	DFT-PI2BPSK	M	Inner_1RB_Right	26.18	28.58	33.00	PASS
N41	30	100	DFT-PI2BPSK	M	Outer_Full	24.24	26.64	33.00	PASS
N41	30	100	DFT-QPSK	M	Inner_1RB_Left	25.91	28.31	33.00	PASS
N41	30	100	DFT-QPSK	M	Inner_1RB_Right	26.22	28.62	33.00	PASS
N41	30	100	DFT-QPSK	M	Outer_Full	23.77	26.17	33.00	PASS
N41	30	100	DFT-16QAM	M	Inner_1RB_Left	25.46	27.86	33.00	PASS
N41	30	100	DFT-16QAM	M	Inner_1RB_Right	25.76	28.16	33.00	PASS
N41	30	100	DFT-16QAM	M	Outer_Full	21.71	24.11	33.00	PASS
N41	30	100	DFT-64QAM	M	Inner_1RB_Left	23.96	26.36	33.00	PASS
N41	30	100	DFT-64QAM	M	Inner_1RB_Right	24.31	26.71	33.00	PASS
N41	30	100	DFT-64QAM	M	Outer_Full	22.21	24.61	33.00	PASS
N41	30	100	DFT-256QAM	M	Inner_1RB_Left	21.76	24.16	33.00	PASS
N41	30	100	DFT-256QAM	M	Inner_1RB_Right	22.09	24.49	33.00	PASS
N41	30	100	DFT-256QAM	M	Outer_Full	20.18	22.58	33.00	PASS
N41	30	100	DFT-PI2BPSK	H	Inner_1RB_Left	26.05	28.45	33.00	PASS
N41	30	100	DFT-PI2BPSK	H	Inner_1RB_Right	26.41	28.81	33.00	PASS
N41	30	100	DFT-PI2BPSK	H	Outer_Full	24.29	26.69	33.00	PASS
N41	30	100	DFT-QPSK	H	Inner_1RB_Left	26.07	28.47	33.00	PASS
N41	30	100	DFT-QPSK	H	Inner_1RB_Right	26.47	28.87	33.00	PASS
N41	30	100	DFT-QPSK	H	Outer_Full	23.78	26.18	33.00	PASS
N41	30	100	DFT-16QAM	H	Inner_1RB_Left	25.72	28.12	33.00	PASS
N41	30	100	DFT-16QAM	H	Inner_1RB_Right	26.06	28.46	33.00	PASS
N41	30	100	DFT-16QAM	H	Outer_Full	21.79	24.19	33.00	PASS
N41	30	100	DFT-64QAM	H	Inner_1RB_Left	24.15	26.55	33.00	PASS
N41	30	100	DFT-64QAM	H	Inner_1RB_Right	24.54	26.94	33.00	PASS
N41	30	100	DFT-64QAM	H	Outer_Full	22.26	24.66	33.00	PASS
N41	30	100	DFT-256QAM	H	Inner_1RB_Left	21.99	24.39	33.00	PASS
N41	30	100	DFT-256QAM	H	Inner_1RB_Right	22.36	24.76	33.00	PASS
N41	30	100	DFT-256QAM	H	Outer_Full	20.25	22.65	33.00	PASS



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Test Result for MIMO

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Power Ant0	Power Ant2	Total Power	EIRP	Verdict
N41	30	20	CP-QPSK	L	Inner_1RB_Left	22.08	21.53	24.82	27.22	PASS
N41	30	20	CP-16QAM	L	Inner_1RB_Left	20.52	20.14	23.34	25.74	PASS
N41	30	20	CP-QPSK	M	Inner_1RB_Left	22.18	21.4	24.82	27.22	PASS
N41	30	20	CP-16QAM	M	Inner_1RB_Left	20.68	20.13	23.42	25.82	PASS
N41	30	20	CP-QPSK	H	Inner_1RB_Left	22.29	21.36	24.86	27.26	PASS
N41	30	20	CP-16QAM	H	Inner_1RB_Left	20.8	20.12	23.48	25.88	PASS
N41	30	30	CP-QPSK	L	Inner_1RB_Left	22.03	21.58	24.82	27.22	PASS
N41	30	30	CP-16QAM	L	Inner_1RB_Left	20.46	20.07	23.28	25.68	PASS
N41	30	30	CP-QPSK	M	Inner_1RB_Left	22	21.48	24.76	27.16	PASS
N41	30	30	CP-16QAM	M	Inner_1RB_Left	20.51	19.99	23.27	25.67	PASS
N41	30	30	CP-QPSK	H	Inner_1RB_Left	22.05	21.58	24.83	27.23	PASS
N41	30	30	CP-16QAM	H	Inner_1RB_Left	20.61	20.05	23.35	25.75	PASS
N41	30	40	CP-QPSK	L	Inner_1RB_Left	22.05	21.67	24.87	27.27	PASS
N41	30	40	CP-16QAM	L	Inner_1RB_Left	20.53	20.02	23.29	25.69	PASS
N41	30	40	CP-QPSK	M	Inner_1RB_Left	22.24	21.08	24.71	27.11	PASS
N41	30	40	CP-16QAM	M	Inner_1RB_Left	20.62	19.91	23.29	25.69	PASS
N41	30	40	CP-QPSK	H	Inner_1RB_Left	21.88	21.47	24.69	27.09	PASS
N41	30	40	CP-16QAM	H	Inner_1RB_Left	20.47	19.89	23.2	25.6	PASS
N41	30	50	CP-QPSK	L	Inner_1RB_Left	21.9	21.49	24.71	27.11	PASS
N41	30	50	CP-16QAM	L	Inner_1RB_Left	20.45	20.04	23.26	25.66	PASS
N41	30	50	CP-QPSK	M	Inner_1RB_Left	22.12	20.9	24.56	26.96	PASS
N41	30	50	CP-16QAM	M	Inner_1RB_Left	20.5	19.54	23.06	25.46	PASS
N41	30	50	CP-QPSK	H	Inner_1RB_Left	21.74	21.1	24.44	26.84	PASS
N41	30	50	CP-16QAM	H	Inner_1RB_Left	20.14	19.86	23.01	25.41	PASS
N41	30	60	CP-QPSK	L	Inner_1RB_Left	22.03	21.41	24.74	27.14	PASS
N41	30	60	CP-16QAM	L	Inner_1RB_Left	20.48	19.92	23.22	25.62	PASS
N41	30	60	CP-QPSK	M	Inner_1RB_Left	22.16	20.87	24.57	26.97	PASS
N41	30	60	CP-16QAM	M	Inner_1RB_Left	20.58	19.66	23.15	25.55	PASS
N41	30	60	CP-QPSK	H	Inner_1RB_Left	21.89	21.08	24.51	26.91	PASS
N41	30	60	CP-16QAM	H	Inner_1RB_Left	20.2	19.73	22.98	25.38	PASS
N41	30	70	CP-QPSK	L	Inner_1RB_Left	21.61	21.12	24.38	26.78	PASS
N41	30	70	CP-16QAM	L	Inner_1RB_Left	20.26	19.78	23.04	25.44	PASS



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N41	30	70	CP-QPSK	M	Inner_1RB_Left	21.85	20.99	24.45	26.85	PASS
N41	30	70	CP-16QAM	M	Inner_1RB_Left	20.12	19.62	22.89	25.29	PASS
N41	30	70	CP-QPSK	H	Inner_1RB_Left	21.88	20.97	24.46	26.86	PASS
N41	30	70	CP-16QAM	H	Inner_1RB_Left	20.31	19.77	23.06	25.46	PASS
N41	30	80	CP-QPSK	L	Inner_1RB_Left	21.67	21.26	24.48	26.88	PASS
N41	30	80	CP-16QAM	L	Inner_1RB_Left	20.14	19.7	22.94	25.34	PASS
N41	30	80	CP-QPSK	M	Inner_1RB_Left	21.73	21.06	24.42	26.82	PASS
N41	30	80	CP-16QAM	M	Inner_1RB_Left	20.11	19.87	23	25.4	PASS
N41	30	80	CP-QPSK	H	Inner_1RB_Left	21.78	21.22	24.52	26.92	PASS
N41	30	80	CP-16QAM	H	Inner_1RB_Left	20.29	19.7	23.02	25.42	PASS
N41	30	90	CP-QPSK	L	Inner_1RB_Left	21.57	21.31	24.45	26.85	PASS
N41	30	90	CP-16QAM	L	Inner_1RB_Left	20.12	19.8	22.97	25.37	PASS
N41	30	90	CP-QPSK	M	Inner_1RB_Left	21.63	21.04	24.36	26.76	PASS
N41	30	90	CP-16QAM	M	Inner_1RB_Left	20.02	19.78	22.91	25.31	PASS
N41	30	100	CP-QPSK	L	Inner_1RB_Left	22.14	21.61	24.89	27.29	PASS
N41	30	100	CP-QPSK	L	Inner_1RB_Right	22.81	21.66	25.28	27.68	PASS
N41	30	100	CP-QPSK	L	Outer_Full	18.82	18.43	21.64	24.04	PASS
N41	30	100	CP-16QAM	L	Inner_1RB_Left	21.41	21.3	24.37	26.77	PASS
N41	30	100	CP-16QAM	L	Inner_1RB_Right	21.44	21.31	24.39	26.79	PASS
N41	30	100	CP-16QAM	L	Outer_Full	18.95	18.45	21.72	24.12	PASS
N41	30	100	CP-64QAM	L	Inner_1RB_Left	20.17	19.7	22.95	25.35	PASS
N41	30	100	CP-64QAM	L	Inner_1RB_Right	20.74	19.95	23.37	25.77	PASS
N41	30	100	CP-64QAM	L	Outer_Full	18.37	18.03	21.21	23.61	PASS
N41	30	100	CP-256QAM	L	Inner_1RB_Left	17.26	16.77	20.03	22.43	PASS
N41	30	100	CP-256QAM	L	Inner_1RB_Right	17.88	16.66	20.32	22.72	PASS
N41	30	100	CP-256QAM	L	Outer_Full	14.97	14.55	17.78	20.18	PASS
N41	30	100	CP-QPSK	M	Inner_1RB_Left	21.96	21.39	24.69	27.09	PASS
N41	30	100	CP-QPSK	M	Inner_1RB_Right	22.53	22.24	25.4	27.8	PASS
N41	30	100	CP-QPSK	M	Outer_Full	18.8	18.33	21.58	23.98	PASS
N41	30	100	CP-16QAM	M	Inner_1RB_Left	21.6	20.92	24.28	26.68	PASS
N41	30	100	CP-16QAM	M	Inner_1RB_Right	21.98	21.74	24.87	27.27	PASS
N41	30	100	CP-16QAM	M	Outer_Full	18.76	18.37	21.58	23.98	PASS
N41	30	100	CP-64QAM	M	Inner_1RB_Left	20.02	19.67	22.86	25.26	PASS
N41	30	100	CP-64QAM	M	Inner_1RB_Right	20.41	20.24	23.34	25.74	PASS
N41	30	100	CP-64QAM	M	Outer_Full	18.38	17.89	21.15	23.55	PASS
N41	30	100	CP-256QAM	M	Inner_1RB_Left	17.1	16.53	19.83	22.23	PASS
N41	30	100	CP-256QAM	M	Inner_1RB_Right	17.48	17.14	20.32	22.72	PASS
N41	30	100	CP-256QAM	M	Outer_Full	14.28	14.04	17.17	19.57	PASS



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N41	30	100	CP-QPSK	H	Inner_1RB_Left	22.25	21.34	24.83	27.23	PASS
N41	30	100	CP-QPSK	H	Inner_1RB_Right	22.58	22.27	25.44	27.84	PASS
N41	30	100	CP-QPSK	H	Outer_Full	18.87	18.5	21.7	24.1	PASS
N41	30	100	CP-16QAM	H	Inner_1RB_Left	21.87	20.91	24.43	26.83	PASS
N41	30	100	CP-16QAM	H	Inner_1RB_Right	22.23	21.67	24.97	27.37	PASS
N41	30	100	CP-16QAM	H	Outer_Full	18.82	18.37	21.61	24.01	PASS
N41	30	100	CP-64QAM	H	Inner_1RB_Left	20.42	19.56	23.02	25.42	PASS
N41	30	100	CP-64QAM	H	Inner_1RB_Right	20.63	20.33	23.49	25.89	PASS
N41	30	100	CP-64QAM	H	Outer_Full	18.41	18	21.22	23.62	PASS
N41	30	100	CP-256QAM	H	Inner_1RB_Left	17.36	16.39	19.91	22.31	PASS
N41	30	100	CP-256QAM	H	Inner_1RB_Right	17.72	17.24	20.5	22.9	PASS
N41	30	100	CP-256QAM	H	Outer_Full	14.4	14.18	17.3	19.7	PASS



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Peak-to-Average Ratio for SA

Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result	Limit	Verdict
N41	30	100	DFT-256QAM	L	Outer_Full	9.99	≤13	PASS
N41	30	100	CP-256QAM	L	Outer_Full	9.63	≤13	PASS
N41	30	100	DFT-256QAM	M	Outer_Full	9.72	≤13	PASS
N41	30	100	CP-256QAM	M	Outer_Full	10.12	≤13	PASS
N41	30	100	DFT-256QAM	H	Outer_Full	9.92	≤13	PASS
N41	30	100	CP-256QAM	H	Outer_Full	10.34	≤13	PASS

Test Result for MIMO

Band	SCS	Bandwidth	Modulation	Channel	RB Config	DutyCycle	Factor	Result	Limit	Verdict
N41	30	100	DFT-256QAM	L	Outer_Full	19.56%	7.09	2.45	≤13	PASS
N41	30	100	CP-256QAM	L	Outer_Full	19.56%	7.09	2.80	≤13	PASS
N41	30	100	DFT-256QAM	M	Outer_Full	19.56%	7.09	2.52	≤13	PASS
N41	30	100	CP-256QAM	M	Outer_Full	19.56%	7.09	2.45	≤13	PASS
N41	30	100	DFT-256QAM	H	Outer_Full	19.56%	7.09	2.74	≤13	PASS
N41	30	100	CP-256QAM	H	Outer_Full	19.56%	7.09	2.87	≤13	PASS

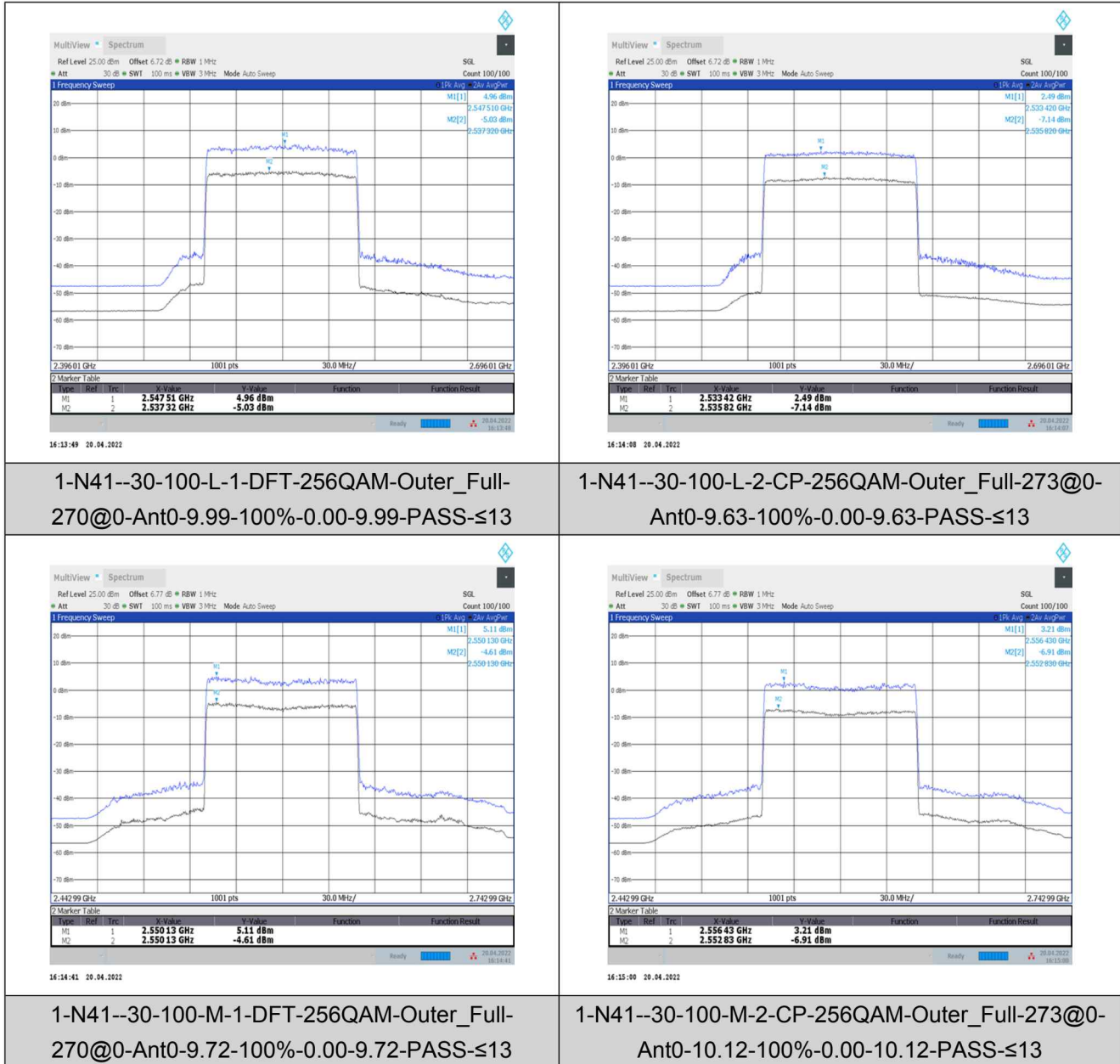


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Test Graphs



1-N41--30-100-L-1-DFT-256QAM-Outer_Full-270@0-Ant0-9.99-100%-0.00-9.99-PASS-≤13

1-N41--30-100-L-2-CP-256QAM-Outer_Full-273@0-Ant0-9.63-100%-0.00-9.63-PASS-≤13

1-N41--30-100-M-1-DFT-256QAM-Outer_Full-270@0-Ant0-9.72-100%-0.00-9.72-PASS-≤13

1-N41--30-100-M-2-CP-256QAM-Outer_Full-273@0-Ant0-10.12-100%-0.00-10.12-PASS-≤13





1-N41--30-100-H-1-DFT-256QAM-Outer_Full-270@0-Ant0-9.92-100%-0.00-9.92-PASS-≤13

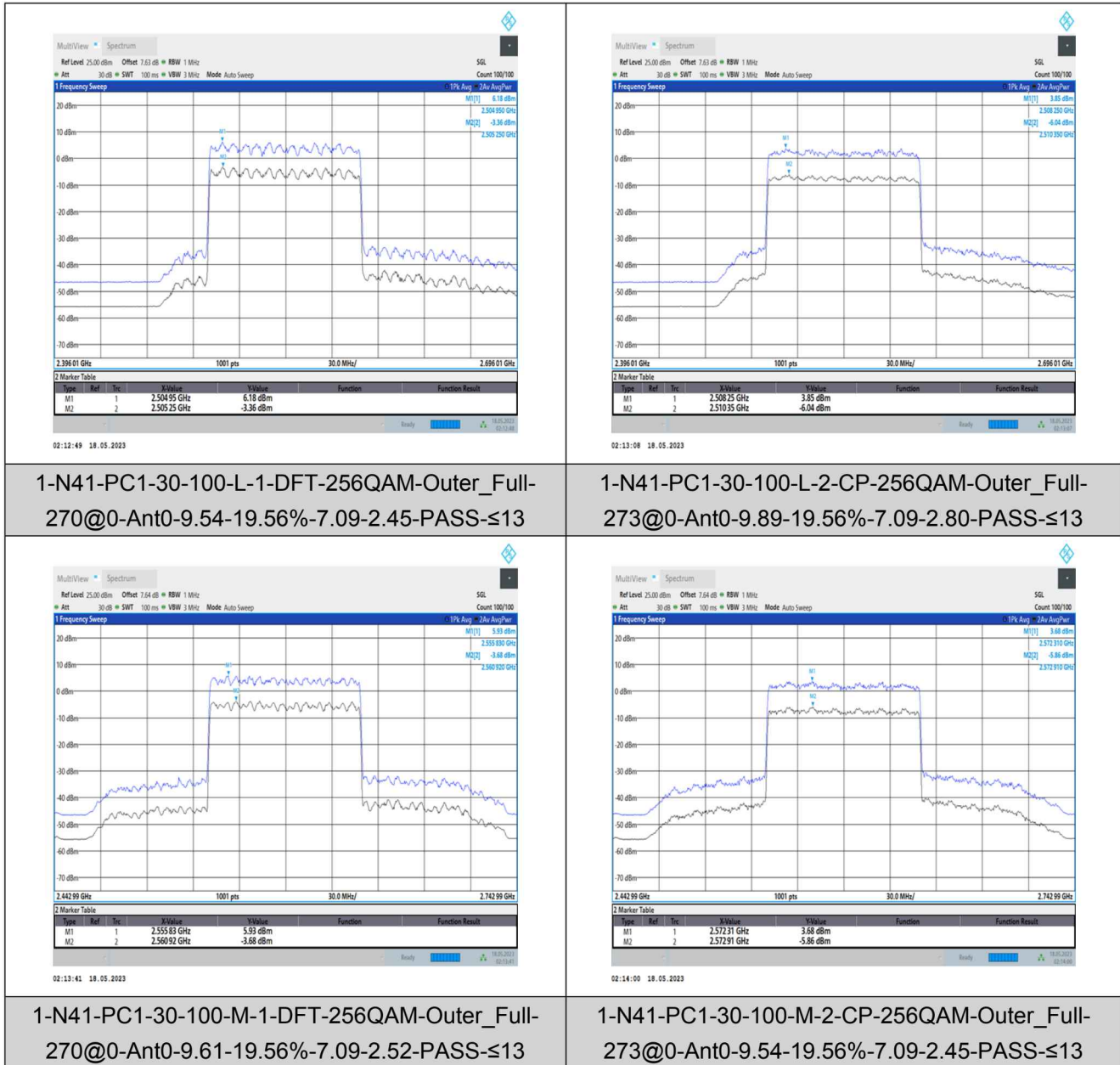


1-N41--30-100-H-2-CP-256QAM-Outer_Full-273@0-Ant0-10.34-100%-0.00-10.34-PASS-≤13



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Test Graphs for MIMO



1-N41-PC1-30-100-L-1-DFT-256QAM-Outer_Full-270@0-Ant0-9.54-19.56%-7.09-2.45-PASS-≤13

1-N41-PC1-30-100-L-2-CP-256QAM-Outer_Full-273@0-Ant0-9.89-19.56%-7.09-2.80-PASS-≤13

1-N41-PC1-30-100-M-1-DFT-256QAM-Outer_Full-270@0-Ant0-9.61-19.56%-7.09-2.52-PASS-≤13

1-N41-PC1-30-100-M-2-CP-256QAM-Outer_Full-273@0-Ant0-9.54-19.56%-7.09-2.45-PASS-≤13



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1-N41-PC1-30-100-H-1-DFT-256QAM-Outer_Full-270@0-Ant0-9.83-19.56%-7.09-2.74-PASS-≤13



1-N41-PC1-30-100-H-2-CP-256QAM-Outer_Full-273@0-Ant0-9.96-19.56%-7.09-2.87-PASS-≤13



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