

Appendix B.9

NR Band n2



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Effective (Isotropic) Radiated Power Output Data for SA

Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Power (dBm)	EIRP (dBm)	Limit	Verdict
N2	15	5	DFT-PI2BPSK	L	Inner_1RB_Left	23.09	23.09	33	PASS
N2	15	5	DFT-PI2BPSK	L	Inner_1RB_Right	23.1	23.1	33	PASS
N2	15	5	DFT-PI2BPSK	L	Outer_Full	22.57	22.57	33	PASS
N2	15	5	DFT-QPSK	L	Inner_1RB_Left	23.24	23.24	33	PASS
N2	15	5	DFT-QPSK	L	Inner_1RB_Right	23.28	23.28	33	PASS
N2	15	5	DFT-QPSK	L	Outer_Full	22.13	22.13	33	PASS
N2	15	5	DFT-16QAM	L	Inner_1RB_Left	22.13	22.13	33	PASS
N2	15	5	DFT-16QAM	L	Inner_1RB_Right	22.16	22.16	33	PASS
N2	15	5	DFT-16QAM	L	Outer_Full	21.07	21.07	33	PASS
N2	15	5	DFT-64QAM	L	Inner_1RB_Left	20.91	20.91	33	PASS
N2	15	5	DFT-64QAM	L	Inner_1RB_Right	20.88	20.88	33	PASS
N2	15	5	DFT-64QAM	L	Outer_Full	20.77	20.77	33	PASS
N2	15	5	DFT-256QAM	L	Inner_1RB_Left	18.99	18.99	33	PASS
N2	15	5	DFT-256QAM	L	Inner_1RB_Right	18.63	18.63	33	PASS
N2	15	5	DFT-256QAM	L	Outer_Full	18.45	18.45	33	PASS
N2	15	5	DFT-PI2BPSK	M	Inner_1RB_Left	23.16	23.16	33	PASS
N2	15	5	DFT-PI2BPSK	M	Inner_1RB_Right	23.15	23.15	33	PASS
N2	15	5	DFT-PI2BPSK	M	Outer_Full	22.72	22.72	33	PASS
N2	15	5	DFT-QPSK	M	Inner_1RB_Left	23.34	23.34	33	PASS
N2	15	5	DFT-QPSK	M	Inner_1RB_Right	23.38	23.38	33	PASS
N2	15	5	DFT-QPSK	M	Outer_Full	22.28	22.28	33	PASS
N2	15	5	DFT-16QAM	M	Inner_1RB_Left	22.21	22.21	33	PASS
N2	15	5	DFT-16QAM	M	Inner_1RB_Right	22.18	22.18	33	PASS
N2	15	5	DFT-16QAM	M	Outer_Full	21.2	21.2	33	PASS
N2	15	5	DFT-64QAM	M	Inner_1RB_Left	21.04	21.04	33	PASS
N2	15	5	DFT-64QAM	M	Inner_1RB_Right	21.06	21.06	33	PASS
N2	15	5	DFT-64QAM	M	Outer_Full	20.97	20.97	33	PASS
N2	15	5	DFT-256QAM	M	Inner_1RB_Left	18.79	18.79	33	PASS
N2	15	5	DFT-256QAM	M	Inner_1RB_Right	18.82	18.82	33	PASS
N2	15	5	DFT-256QAM	M	Outer_Full	18.97	18.97	33	PASS



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N2	15	5	DFT-PI2BPSK	H	Inner_1RB_Left	23.15	23.15	33	PASS
N2	15	5	DFT-PI2BPSK	H	Inner_1RB_Right	23.17	23.17	33	PASS
N2	15	5	DFT-PI2BPSK	H	Outer_Full	22.8	22.8	33	PASS
N2	15	5	DFT-QPSK	H	Inner_1RB_Left	23.37	23.37	33	PASS
N2	15	5	DFT-QPSK	H	Inner_1RB_Right	23.47	23.47	33	PASS
N2	15	5	DFT-QPSK	H	Outer_Full	22.31	22.31	33	PASS
N2	15	5	DFT-16QAM	H	Inner_1RB_Left	22.16	22.16	33	PASS
N2	15	5	DFT-16QAM	H	Inner_1RB_Right	22.25	22.25	33	PASS
N2	15	5	DFT-16QAM	H	Outer_Full	21.19	21.19	33	PASS
N2	15	5	DFT-64QAM	H	Inner_1RB_Left	20.88	20.88	33	PASS
N2	15	5	DFT-64QAM	H	Inner_1RB_Right	20.91	20.91	33	PASS
N2	15	5	DFT-64QAM	H	Outer_Full	20.78	20.78	33	PASS
N2	15	5	DFT-256QAM	H	Inner_1RB_Left	18.77	18.77	33	PASS
N2	15	5	DFT-256QAM	H	Inner_1RB_Right	18.88	18.88	33	PASS
N2	15	5	DFT-256QAM	H	Outer_Full	18.98	18.98	33	PASS
N2	15	10	DFT-PI2BPSK	L	Inner_1RB_Left	22.97	22.97	33	PASS
N2	15	10	DFT-PI2BPSK	L	Inner_1RB_Right	23.11	23.11	33	PASS
N2	15	10	DFT-PI2BPSK	L	Outer_Full	22.63	22.63	33	PASS
N2	15	10	DFT-QPSK	L	Inner_1RB_Left	23.13	23.13	33	PASS
N2	15	10	DFT-QPSK	L	Inner_1RB_Right	23.21	23.21	33	PASS
N2	15	10	DFT-QPSK	L	Outer_Full	22.17	22.17	33	PASS
N2	15	10	DFT-16QAM	L	Inner_1RB_Left	22.12	22.12	33	PASS
N2	15	10	DFT-16QAM	L	Inner_1RB_Right	22.28	22.28	33	PASS
N2	15	10	DFT-16QAM	L	Outer_Full	21.11	21.11	33	PASS
N2	15	10	DFT-64QAM	L	Inner_1RB_Left	20.89	20.89	33	PASS
N2	15	10	DFT-64QAM	L	Inner_1RB_Right	20.99	20.99	33	PASS
N2	15	10	DFT-64QAM	L	Outer_Full	20.78	20.78	33	PASS
N2	15	10	DFT-256QAM	L	Inner_1RB_Left	18.63	18.63	33	PASS
N2	15	10	DFT-256QAM	L	Inner_1RB_Right	18.74	18.74	33	PASS
N2	15	10	DFT-256QAM	L	Outer_Full	18.77	18.77	33	PASS
N2	15	10	DFT-PI2BPSK	M	Inner_1RB_Left	23.1	23.1	33	PASS
N2	15	10	DFT-PI2BPSK	M	Inner_1RB_Right	23.2	23.2	33	PASS
N2	15	10	DFT-PI2BPSK	M	Outer_Full	22.75	22.75	33	PASS
N2	15	10	DFT-QPSK	M	Inner_1RB_Left	23.36	23.36	33	PASS
N2	15	10	DFT-QPSK	M	Inner_1RB_Right	23.41	23.41	33	PASS
N2	15	10	DFT-QPSK	M	Outer_Full	22.27	22.27	33	PASS
N2	15	10	DFT-16QAM	M	Inner_1RB_Left	22.3	22.3	33	PASS
N2	15	10	DFT-16QAM	M	Inner_1RB_Right	22.38	22.38	33	PASS



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N2	15	10	DFT-16QAM	M	Outer_Full	21.27	21.27	33	PASS
N2	15	10	DFT-64QAM	M	Inner_1RB_Left	21.03	21.03	33	PASS
N2	15	10	DFT-64QAM	M	Inner_1RB_Right	21.16	21.16	33	PASS
N2	15	10	DFT-64QAM	M	Outer_Full	20.94	20.94	33	PASS
N2	15	10	DFT-256QAM	M	Inner_1RB_Left	18.75	18.75	33	PASS
N2	15	10	DFT-256QAM	M	Inner_1RB_Right	18.88	18.88	33	PASS
N2	15	10	DFT-256QAM	M	Outer_Full	18.92	18.92	33	PASS
N2	15	10	DFT-PI2BPSK	H	Inner_1RB_Left	23.16	23.16	33	PASS
N2	15	10	DFT-PI2BPSK	H	Inner_1RB_Right	23.28	23.28	33	PASS
N2	15	10	DFT-PI2BPSK	H	Outer_Full	22.77	22.77	33	PASS
N2	15	10	DFT-QPSK	H	Inner_1RB_Left	23.33	23.33	33	PASS
N2	15	10	DFT-QPSK	H	Inner_1RB_Right	23.54	23.54	33	PASS
N2	15	10	DFT-QPSK	H	Outer_Full	22.27	22.27	33	PASS
N2	15	10	DFT-16QAM	H	Inner_1RB_Left	22.32	22.32	33	PASS
N2	15	10	DFT-16QAM	H	Inner_1RB_Right	22.49	22.49	33	PASS
N2	15	10	DFT-16QAM	H	Outer_Full	21.25	21.25	33	PASS
N2	15	10	DFT-64QAM	H	Inner_1RB_Left	20.88	20.88	33	PASS
N2	15	10	DFT-64QAM	H	Inner_1RB_Right	21.01	21.01	33	PASS
N2	15	10	DFT-64QAM	H	Outer_Full	20.71	20.71	33	PASS
N2	15	10	DFT-256QAM	H	Inner_1RB_Left	18.78	18.78	33	PASS
N2	15	10	DFT-256QAM	H	Inner_1RB_Right	18.95	18.95	33	PASS
N2	15	10	DFT-256QAM	H	Outer_Full	18.9	18.9	33	PASS
N2	15	15	DFT-PI2BPSK	L	Inner_1RB_Left	22.95	22.95	33	PASS
N2	15	15	DFT-PI2BPSK	L	Inner_1RB_Right	22.99	22.99	33	PASS
N2	15	15	DFT-PI2BPSK	L	Outer_Full	22.62	22.62	33	PASS
N2	15	15	DFT-QPSK	L	Inner_1RB_Left	23.11	23.11	33	PASS
N2	15	15	DFT-QPSK	L	Inner_1RB_Right	23.19	23.19	33	PASS
N2	15	15	DFT-QPSK	L	Outer_Full	22.14	22.14	33	PASS
N2	15	15	DFT-16QAM	L	Inner_1RB_Left	22.17	22.17	33	PASS
N2	15	15	DFT-16QAM	L	Inner_1RB_Right	22.21	22.21	33	PASS
N2	15	15	DFT-16QAM	L	Outer_Full	21.16	21.16	33	PASS
N2	15	15	DFT-64QAM	L	Inner_1RB_Left	20.85	20.85	33	PASS
N2	15	15	DFT-64QAM	L	Inner_1RB_Right	20.94	20.94	33	PASS
N2	15	15	DFT-64QAM	L	Outer_Full	20.84	20.84	33	PASS
N2	15	15	DFT-256QAM	L	Inner_1RB_Left	18.62	18.62	33	PASS
N2	15	15	DFT-256QAM	L	Inner_1RB_Right	18.65	18.65	33	PASS
N2	15	15	DFT-256QAM	L	Outer_Full	18.79	18.79	33	PASS
N2	15	15	DFT-PI2BPSK	M	Inner_1RB_Left	23.04	23.04	33	PASS



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N2	15	15	DFT-PI2BPSK	M	Inner_1RB_Right	23.22	23.22	33	PASS
N2	15	15	DFT-PI2BPSK	M	Outer_Full	22.77	22.77	33	PASS
N2	15	15	DFT-QPSK	M	Inner_1RB_Left	23.17	23.17	33	PASS
N2	15	15	DFT-QPSK	M	Inner_1RB_Right	23.45	23.45	33	PASS
N2	15	15	DFT-QPSK	M	Outer_Full	22.25	22.25	33	PASS
N2	15	15	DFT-16QAM	M	Inner_1RB_Left	22.22	22.22	33	PASS
N2	15	15	DFT-16QAM	M	Inner_1RB_Right	22.43	22.43	33	PASS
N2	15	15	DFT-16QAM	M	Outer_Full	21.27	21.27	33	PASS
N2	15	15	DFT-64QAM	M	Inner_1RB_Left	20.94	20.94	33	PASS
N2	15	15	DFT-64QAM	M	Inner_1RB_Right	21.14	21.14	33	PASS
N2	15	15	DFT-64QAM	M	Outer_Full	20.91	20.91	33	PASS
N2	15	15	DFT-256QAM	M	Inner_1RB_Left	18.6	18.6	33	PASS
N2	15	15	DFT-256QAM	M	Inner_1RB_Right	18.32	18.32	33	PASS
N2	15	15	DFT-256QAM	M	Outer_Full	18.9	18.9	33	PASS
N2	15	15	DFT-PI2BPSK	H	Inner_1RB_Left	23.14	23.14	33	PASS
N2	15	15	DFT-PI2BPSK	H	Inner_1RB_Right	23.25	23.25	33	PASS
N2	15	15	DFT-PI2BPSK	H	Outer_Full	22.76	22.76	33	PASS
N2	15	15	DFT-QPSK	H	Inner_1RB_Left	23.32	23.32	33	PASS
N2	15	15	DFT-QPSK	H	Inner_1RB_Right	23.48	23.48	33	PASS
N2	15	15	DFT-QPSK	H	Outer_Full	22.34	22.34	33	PASS
N2	15	15	DFT-16QAM	H	Inner_1RB_Left	22.31	22.31	33	PASS
N2	15	15	DFT-16QAM	H	Inner_1RB_Right	22.44	22.44	33	PASS
N2	15	15	DFT-16QAM	H	Outer_Full	21.29	21.29	33	PASS
N2	15	15	DFT-64QAM	H	Inner_1RB_Left	20.87	20.87	33	PASS
N2	15	15	DFT-64QAM	H	Inner_1RB_Right	21.04	21.04	33	PASS
N2	15	15	DFT-64QAM	H	Outer_Full	20.79	20.79	33	PASS
N2	15	15	DFT-256QAM	H	Inner_1RB_Left	18.74	18.74	33	PASS
N2	15	15	DFT-256QAM	H	Inner_1RB_Right	18.93	18.93	33	PASS
N2	15	15	DFT-256QAM	H	Outer_Full	18.96	18.96	33	PASS
N2	15	20	DFT-PI2BPSK	L	Inner_1RB_Left	23.09	23.09	33	PASS
N2	15	20	DFT-PI2BPSK	L	Inner_1RB_Right	23.16	23.16	33	PASS
N2	15	20	DFT-PI2BPSK	L	Outer_Full	22.76	22.76	33	PASS
N2	15	20	DFT-QPSK	L	Inner_1RB_Left	23.27	23.27	33	PASS
N2	15	20	DFT-QPSK	L	Inner_1RB_Right	23.32	23.32	33	PASS
N2	15	20	DFT-QPSK	L	Outer_Full	22.25	22.25	33	PASS
N2	15	20	DFT-16QAM	L	Inner_1RB_Left	22.28	22.28	33	PASS
N2	15	20	DFT-16QAM	L	Inner_1RB_Right	22.37	22.37	33	PASS
N2	15	20	DFT-16QAM	L	Outer_Full	21.23	21.23	33	PASS



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N2	15	20	DFT-64QAM	L	Inner_1RB_Left	21.01	21.01	33	PASS
N2	15	20	DFT-64QAM	L	Inner_1RB_Right	21.09	21.09	33	PASS
N2	15	20	DFT-64QAM	L	Outer_Full	20.92	20.92	33	PASS
N2	15	20	DFT-256QAM	L	Inner_1RB_Left	18.79	18.79	33	PASS
N2	15	20	DFT-256QAM	L	Inner_1RB_Right	18.81	18.81	33	PASS
N2	15	20	DFT-256QAM	L	Outer_Full	18.88	18.88	33	PASS
N2	15	20	DFT-PI2BPSK	M	Inner_1RB_Left	23.25	23.25	33	PASS
N2	15	20	DFT-PI2BPSK	M	Inner_1RB_Right	23.52	23.52	33	PASS
N2	15	20	DFT-PI2BPSK	M	Outer_Full	23.32	23.32	33	PASS
N2	15	20	DFT-QPSK	M	Inner_1RB_Left	23.29	23.29	33	PASS
N2	15	20	DFT-QPSK	M	Inner_1RB_Right	23.44	23.44	33	PASS
N2	15	20	DFT-QPSK	M	Outer_Full	22.22	22.22	33	PASS
N2	15	20	DFT-16QAM	M	Inner_1RB_Left	22.29	22.29	33	PASS
N2	15	20	DFT-16QAM	M	Inner_1RB_Right	22.48	22.48	33	PASS
N2	15	20	DFT-16QAM	M	Outer_Full	21.2	21.2	33	PASS
N2	15	20	DFT-64QAM	M	Inner_1RB_Left	21	21	33	PASS
N2	15	20	DFT-64QAM	M	Inner_1RB_Right	21.18	21.18	33	PASS
N2	15	20	DFT-64QAM	M	Outer_Full	20.93	20.93	33	PASS
N2	15	20	DFT-256QAM	M	Inner_1RB_Left	18.73	18.73	33	PASS
N2	15	20	DFT-256QAM	M	Inner_1RB_Right	18.91	18.91	33	PASS
N2	15	20	DFT-256QAM	M	Outer_Full	18.84	18.84	33	PASS
N2	15	20	DFT-PI2BPSK	H	Inner_1RB_Left	23.18	23.18	33	PASS
N2	15	20	DFT-PI2BPSK	H	Inner_1RB_Right	23.27	23.27	33	PASS
N2	15	20	DFT-PI2BPSK	H	Outer_Full	22.79	22.79	33	PASS
N2	15	20	DFT-QPSK	H	Inner_1RB_Left	23.33	23.33	33	PASS
N2	15	20	DFT-QPSK	H	Inner_1RB_Right	23.51	23.51	33	PASS
N2	15	20	DFT-QPSK	H	Outer_Full	22.31	22.31	33	PASS
N2	15	20	DFT-16QAM	H	Inner_1RB_Left	22.36	22.36	33	PASS
N2	15	20	DFT-16QAM	H	Inner_1RB_Right	22.51	22.51	33	PASS
N2	15	20	DFT-16QAM	H	Outer_Full	21.27	21.27	33	PASS
N2	15	20	DFT-64QAM	H	Inner_1RB_Left	21.09	21.09	33	PASS
N2	15	20	DFT-64QAM	H	Inner_1RB_Right	21.04	21.04	33	PASS
N2	15	20	DFT-64QAM	H	Outer_Full	20.81	20.81	33	PASS
N2	15	20	DFT-256QAM	H	Inner_1RB_Left	18.79	18.79	33	PASS
N2	15	20	DFT-256QAM	H	Inner_1RB_Right	18.91	18.91	33	PASS
N2	15	20	DFT-256QAM	H	Outer_Full	18.89	18.89	33	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
N2	15	20	DFT-256QAM	L	Outer_Full	100%	0.00	9.10	≤13	PASS
N2	15	20	CP-256QAM	L	Outer_Full	100%	0.00	9.34	≤13	PASS
N2	15	20	DFT-256QAM	M	Outer_Full	100%	0.00	8.68	≤13	PASS
N2	15	20	CP-256QAM	M	Outer_Full	100%	0.00	9.46	≤13	PASS
N2	15	20	DFT-256QAM	H	Outer_Full	100%	0.00	8.72	≤13	PASS
N2	15	20	CP-256QAM	H	Outer_Full	100%	0.00	9.59	≤13	PASS



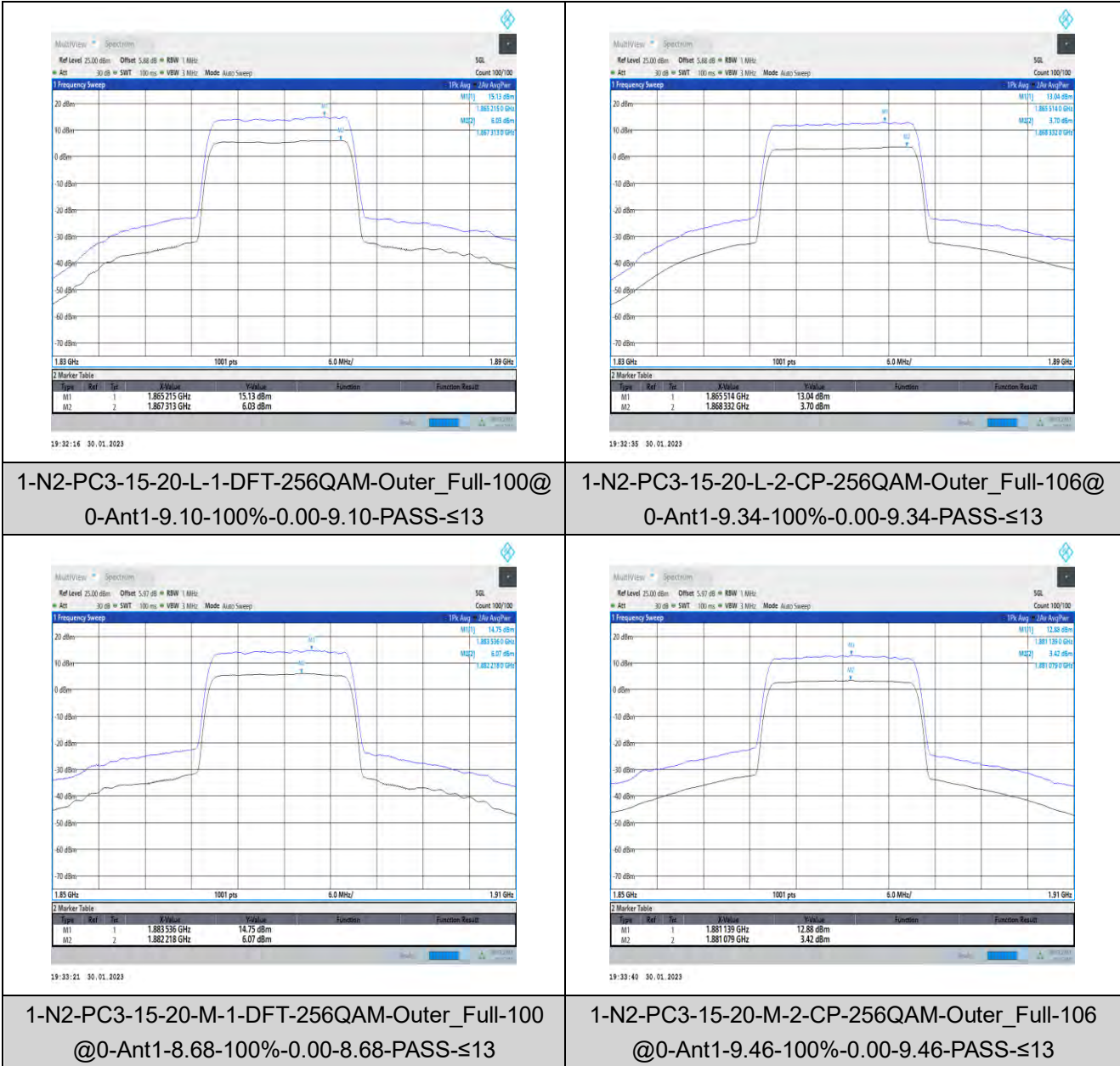
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Test Graphs



1-N2-PC3-15-20-L-1-DFT-256QAM-Outer_Full-100@
 0-Ant1-9.10-100%-0.00-9.10-PASS-≤13

1-N2-PC3-15-20-L-2-CP-256QAM-Outer_Full-106@
 0-Ant1-9.34-100%-0.00-9.34-PASS-≤13

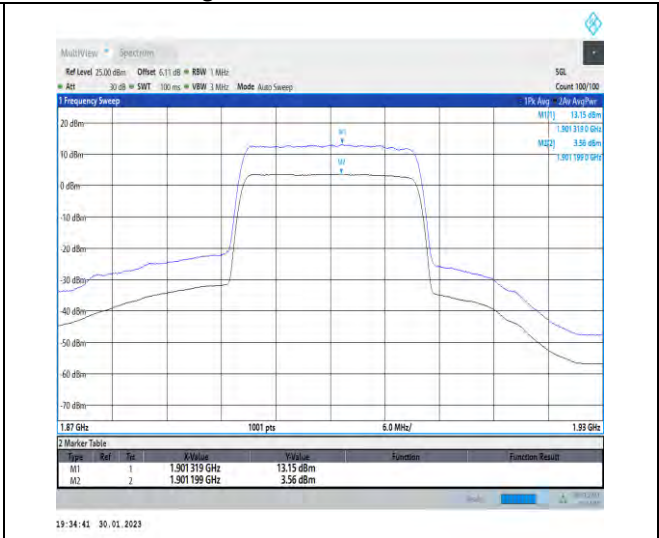
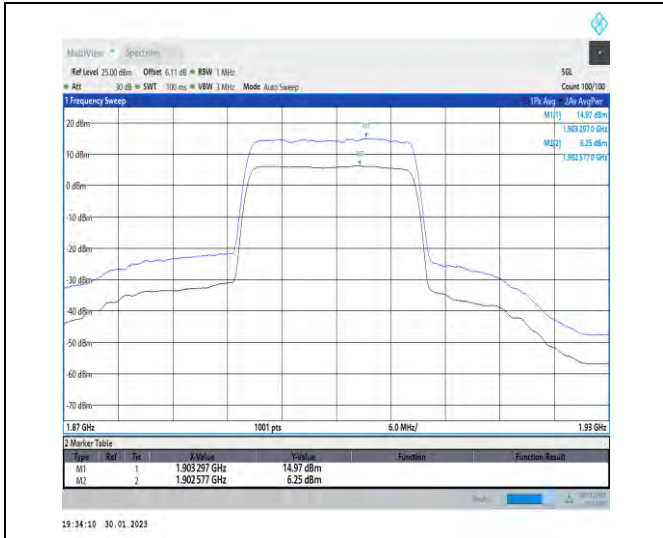
1-N2-PC3-15-20-M-1-DFT-256QAM-Outer_Full-100
 @0-Ant1-8.68-100%-0.00-8.68-PASS-≤13

1-N2-PC3-15-20-M-2-CP-256QAM-Outer_Full-106
 @0-Ant1-9.46-100%-0.00-9.46-PASS-≤13



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1-N2-PC3-15-20-H-1-DFT-256QAM-Outer_Full-100
@0-Ant1-8.72-100%-0.00-8.72-PASS-≤13

1-N2-PC3-15-20-H-2-CP-256QAM-Outer_Full-106@
0-Ant1-9.59-100%-0.00-9.59-PASS-≤13



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Modulation characteristics for SA

Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result	Verdict
N2	15	20	DFT-PI2BPSK	M	Outer_Full	see graph	PASS
N2	15	20	DFT-QPSK	M	Outer_Full	see graph	PASS
N2	15	20	DFT-16QAM	M	Outer_Full	see graph	PASS
N2	15	20	DFT-64QAM	M	Outer_Full	see graph	PASS
N2	15	20	DFT-256QAM	M	Outer_Full	see graph	PASS
N2	15	20	CP-QPSK	M	Outer_Full	see graph	PASS
N2	15	20	CP-16QAM	M	Outer_Full	see graph	PASS
N2	15	20	CP-64QAM	M	Outer_Full	see graph	PASS
N2	15	20	CP-256QAM	M	Outer_Full	see graph	PASS



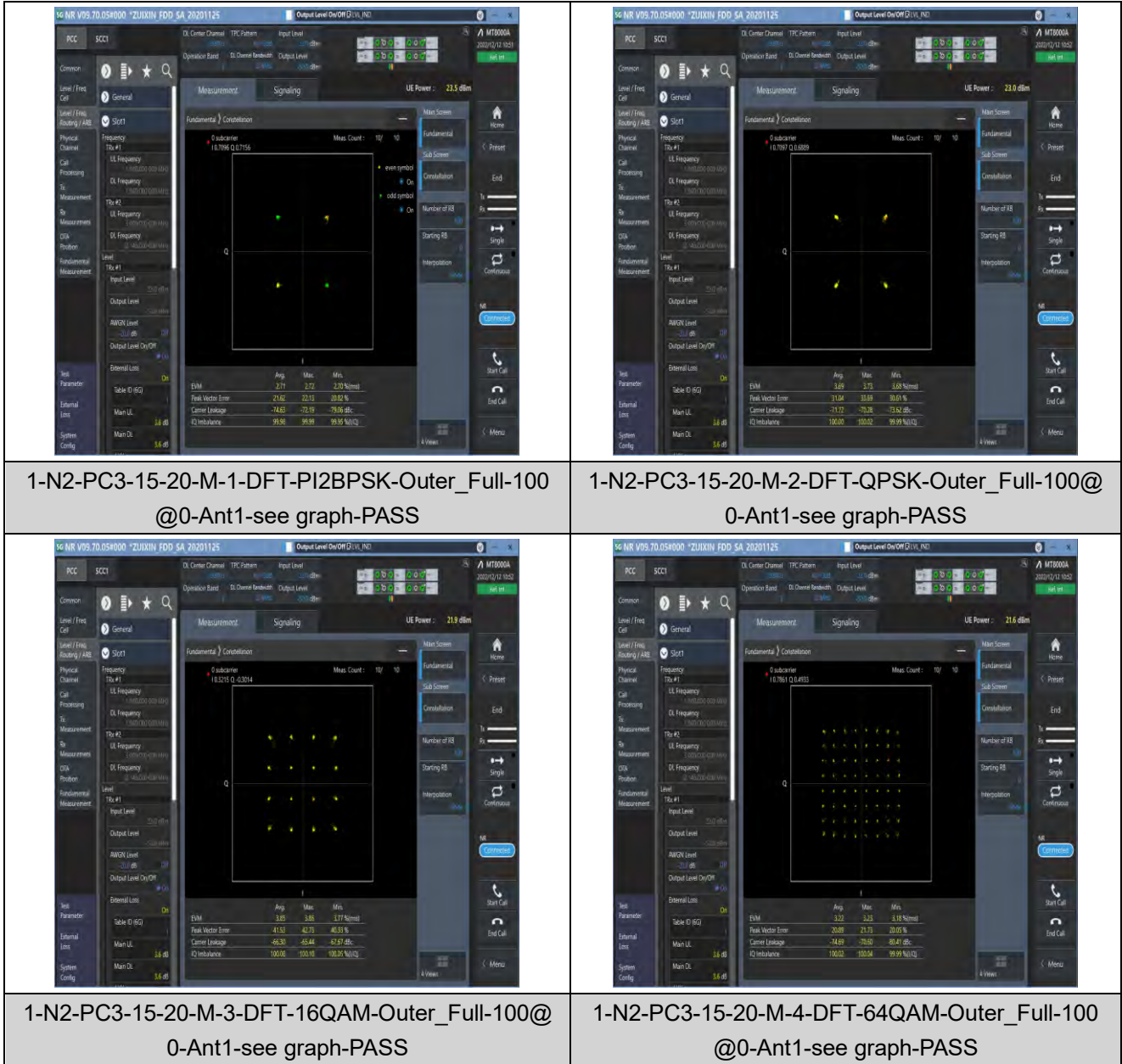
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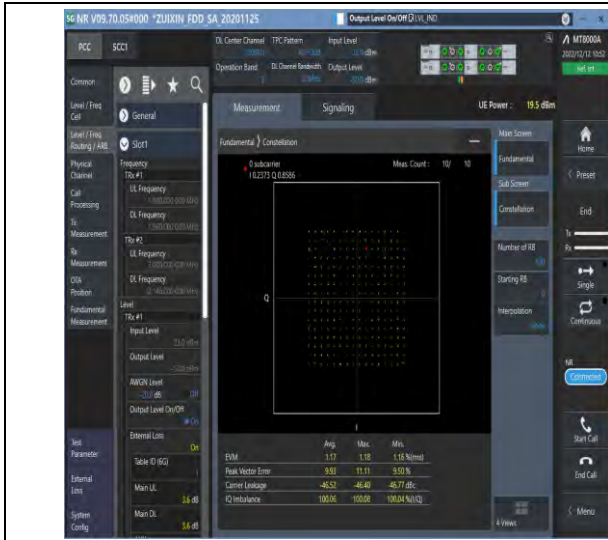
Test Graphs



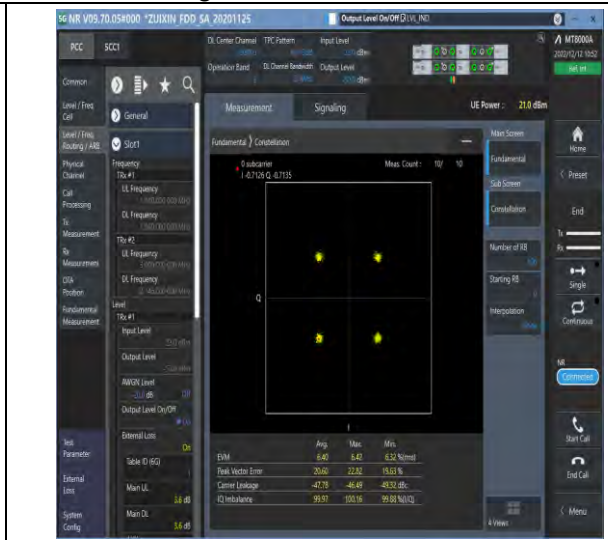
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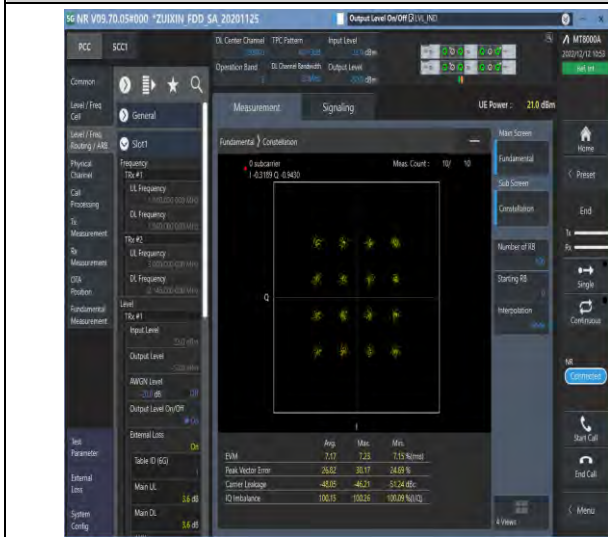
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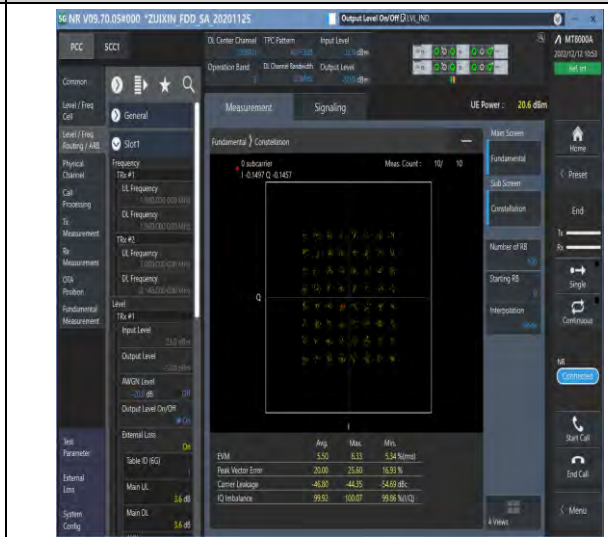
1-N2-PC3-15-20-M-5-DFT-256QAM-Outer_Full-100@0-Ant1-see graph-PASS



1-N2-PC3-15-20-M-6-CP-QPSK-Outer_Full-106@0-Ant1-see graph-PASS



1-N2-PC3-15-20-M-7-CP-16QAM-Outer_Full-106@0-Ant1-see graph-PASS



1-N2-PC3-15-20-M-8-CP-64QAM-Outer_Full-106@0-Ant1-see graph-PASS



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	Avg	Max	Min
EVM	1.13	1.13	1.10 %
Peak Vector Error	4.84	4.80	3.55 %
Carrier Leakage	-45.39	-45.04	-45.59 dBc
IQ Imbalance	100.64	100.68	100.31 %

1-N2-PC3-15-20-M-9-CP-256QAM-Outer_Full-106@
0-Ant1-see graph-PASS



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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
N2	15	5	DFT-QPSK	L	Outer_Full	4.458	4.800	PASS
N2	15	5	DFT-PI2BPSK	L	Outer_Full	4.461	4.880	PASS
N2	15	5	DFT-16QAM	L	Outer_Full	4.463	4.740	PASS
N2	15	5	DFT-64QAM	L	Outer_Full	4.458	4.850	PASS
N2	15	5	DFT-256QAM	L	Outer_Full	4.462	4.810	PASS
N2	15	5	CP-QPSK	L	Outer_Full	4.457	4.800	PASS
N2	15	5	CP-16QAM	L	Outer_Full	4.47	4.820	PASS
N2	15	5	CP-64QAM	L	Outer_Full	4.467	4.790	PASS
N2	15	5	CP-256QAM	L	Outer_Full	4.457	4.810	PASS
N2	15	5	DFT-QPSK	M	Outer_Full	4.472	4.840	PASS
N2	15	5	DFT-PI2BPSK	M	Outer_Full	4.473	4.830	PASS
N2	15	5	DFT-16QAM	M	Outer_Full	4.453	4.750	PASS
N2	15	5	DFT-64QAM	M	Outer_Full	4.455	4.820	PASS
N2	15	5	DFT-256QAM	M	Outer_Full	4.47	4.750	PASS
N2	15	5	CP-QPSK	M	Outer_Full	4.476	4.890	PASS
N2	15	5	CP-16QAM	M	Outer_Full	4.468	4.810	PASS
N2	15	5	CP-64QAM	M	Outer_Full	4.467	4.830	PASS
N2	15	5	CP-256QAM	M	Outer_Full	4.469	4.930	PASS
N2	15	5	DFT-QPSK	H	Outer_Full	4.462	4.800	PASS
N2	15	5	DFT-PI2BPSK	H	Outer_Full	4.462	4.830	PASS
N2	15	5	DFT-16QAM	H	Outer_Full	4.467	4.840	PASS
N2	15	5	DFT-64QAM	H	Outer_Full	4.447	4.780	PASS
N2	15	5	DFT-256QAM	H	Outer_Full	4.45	4.730	PASS
N2	15	5	CP-QPSK	H	Outer_Full	4.466	4.870	PASS
N2	15	5	CP-16QAM	H	Outer_Full	4.466	4.890	PASS
N2	15	5	CP-64QAM	H	Outer_Full	4.465	4.820	PASS
N2	15	5	CP-256QAM	H	Outer_Full	4.461	4.810	PASS
N2	15	10	DFT-QPSK	L	Outer_Full	8.897	9.540	PASS
N2	15	10	DFT-PI2BPSK	L	Outer_Full	8.964	9.480	PASS
N2	15	10	DFT-16QAM	L	Outer_Full	8.899	9.420	PASS
N2	15	10	DFT-64QAM	L	Outer_Full	8.907	9.500	PASS



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N2	15	10	DFT-256QAM	L	Outer_Full	8.907	9.340	PASS
N2	15	10	CP-QPSK	L	Outer_Full	9.282	9.800	PASS
N2	15	10	CP-16QAM	L	Outer_Full	9.289	9.740	PASS
N2	15	10	CP-64QAM	L	Outer_Full	9.278	9.920	PASS
N2	15	10	CP-256QAM	L	Outer_Full	9.265	9.820	PASS
N2	15	10	DFT-QPSK	M	Outer_Full	8.906	9.480	PASS
N2	15	10	DFT-PI2BPSK	M	Outer_Full	8.933	9.440	PASS
N2	15	10	DFT-16QAM	M	Outer_Full	8.901	9.460	PASS
N2	15	10	DFT-64QAM	M	Outer_Full	8.908	9.440	PASS
N2	15	10	DFT-256QAM	M	Outer_Full	8.902	9.640	PASS
N2	15	10	CP-QPSK	M	Outer_Full	9.287	9.900	PASS
N2	15	10	CP-16QAM	M	Outer_Full	9.301	9.800	PASS
N2	15	10	CP-64QAM	M	Outer_Full	9.306	9.920	PASS
N2	15	10	CP-256QAM	M	Outer_Full	9.313	10.360	PASS
N2	15	10	DFT-QPSK	H	Outer_Full	8.894	9.560	PASS
N2	15	10	DFT-PI2BPSK	H	Outer_Full	8.961	9.480	PASS
N2	15	10	DFT-16QAM	H	Outer_Full	8.898	9.500	PASS
N2	15	10	DFT-64QAM	H	Outer_Full	8.917	9.360	PASS
N2	15	10	DFT-256QAM	H	Outer_Full	8.893	9.360	PASS
N2	15	10	CP-QPSK	H	Outer_Full	9.279	9.860	PASS
N2	15	10	CP-16QAM	H	Outer_Full	9.291	9.720	PASS
N2	15	10	CP-64QAM	H	Outer_Full	9.284	9.900	PASS
N2	15	10	CP-256QAM	H	Outer_Full	9.28	9.820	PASS
N2	15	15	DFT-QPSK	L	Outer_Full	13.422	14.310	PASS
N2	15	15	DFT-PI2BPSK	L	Outer_Full	13.424	14.220	PASS
N2	15	15	DFT-16QAM	L	Outer_Full	13.433	14.280	PASS
N2	15	15	DFT-64QAM	L	Outer_Full	13.421	14.190	PASS
N2	15	15	DFT-256QAM	L	Outer_Full	13.436	14.280	PASS
N2	15	15	CP-QPSK	L	Outer_Full	14.131	14.850	PASS
N2	15	15	CP-16QAM	L	Outer_Full	14.132	14.850	PASS
N2	15	15	CP-64QAM	L	Outer_Full	14.168	14.940	PASS
N2	15	15	CP-256QAM	L	Outer_Full	14.12	14.850	PASS
N2	15	15	DFT-QPSK	M	Outer_Full	13.419	14.190	PASS
N2	15	15	DFT-PI2BPSK	M	Outer_Full	13.404	14.160	PASS
N2	15	15	DFT-16QAM	M	Outer_Full	13.448	14.250	PASS
N2	15	15	DFT-64QAM	M	Outer_Full	13.378	14.100	PASS
N2	15	15	DFT-256QAM	M	Outer_Full	13.441	14.850	PASS
N2	15	15	CP-QPSK	M	Outer_Full	14.126	14.850	PASS



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N2	15	15	CP-16QAM	M	Outer_Full	14.081	14.880	PASS
N2	15	15	CP-64QAM	M	Outer_Full	14.131	14.850	PASS
N2	15	15	CP-256QAM	M	Outer_Full	14.107	16.110	PASS
N2	15	15	DFT-QPSK	H	Outer_Full	13.399	14.190	PASS
N2	15	15	DFT-PI2BPSK	H	Outer_Full	13.401	14.220	PASS
N2	15	15	DFT-16QAM	H	Outer_Full	13.397	14.160	PASS
N2	15	15	DFT-64QAM	H	Outer_Full	13.415	14.220	PASS
N2	15	15	DFT-256QAM	H	Outer_Full	13.408	14.160	PASS
N2	15	15	CP-QPSK	H	Outer_Full	14.122	14.850	PASS
N2	15	15	CP-16QAM	H	Outer_Full	14.117	14.850	PASS
N2	15	15	CP-64QAM	H	Outer_Full	14.144	14.790	PASS
N2	15	15	CP-256QAM	H	Outer_Full	14.122	14.880	PASS
N2	15	20	DFT-QPSK	L	Outer_Full	17.896	19.240	PASS
N2	15	20	DFT-PI2BPSK	L	Outer_Full	17.89	18.840	PASS
N2	15	20	DFT-16QAM	L	Outer_Full	17.893	19.040	PASS
N2	15	20	DFT-64QAM	L	Outer_Full	17.899	19.000	PASS
N2	15	20	DFT-256QAM	L	Outer_Full	17.879	18.880	PASS
N2	15	20	CP-QPSK	L	Outer_Full	18.897	19.920	PASS
N2	15	20	CP-16QAM	L	Outer_Full	18.98	19.760	PASS
N2	15	20	CP-64QAM	L	Outer_Full	18.944	19.880	PASS
N2	15	20	CP-256QAM	L	Outer_Full	18.898	20.000	PASS
N2	15	20	DFT-QPSK	M	Outer_Full	17.854	18.920	PASS
N2	15	20	DFT-PI2BPSK	M	Outer_Full	17.785	18.640	PASS
N2	15	20	DFT-16QAM	M	Outer_Full	17.889	18.800	PASS
N2	15	20	DFT-64QAM	M	Outer_Full	17.87	19.080	PASS
N2	15	20	DFT-256QAM	M	Outer_Full	17.866	18.920	PASS
N2	15	20	CP-QPSK	M	Outer_Full	18.898	19.880	PASS
N2	15	20	CP-16QAM	M	Outer_Full	18.904	19.840	PASS
N2	15	20	CP-64QAM	M	Outer_Full	18.932	19.680	PASS
N2	15	20	CP-256QAM	M	Outer_Full	18.893	19.720	PASS
N2	15	20	DFT-QPSK	H	Outer_Full	17.864	18.920	PASS
N2	15	20	DFT-PI2BPSK	H	Outer_Full	17.854	18.920	PASS
N2	15	20	DFT-16QAM	H	Outer_Full	17.899	18.800	PASS
N2	15	20	DFT-64QAM	H	Outer_Full	17.868	18.800	PASS
N2	15	20	DFT-256QAM	H	Outer_Full	17.872	18.800	PASS
N2	15	20	CP-QPSK	H	Outer_Full	18.898	19.840	PASS
N2	15	20	CP-16QAM	H	Outer_Full	18.897	19.760	PASS
N2	15	20	CP-64QAM	H	Outer_Full	18.93	19.800	PASS



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Rev.: 01

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N2	15	20	CP-256QAM	H	Outer_Full	18.842	19.720	PASS
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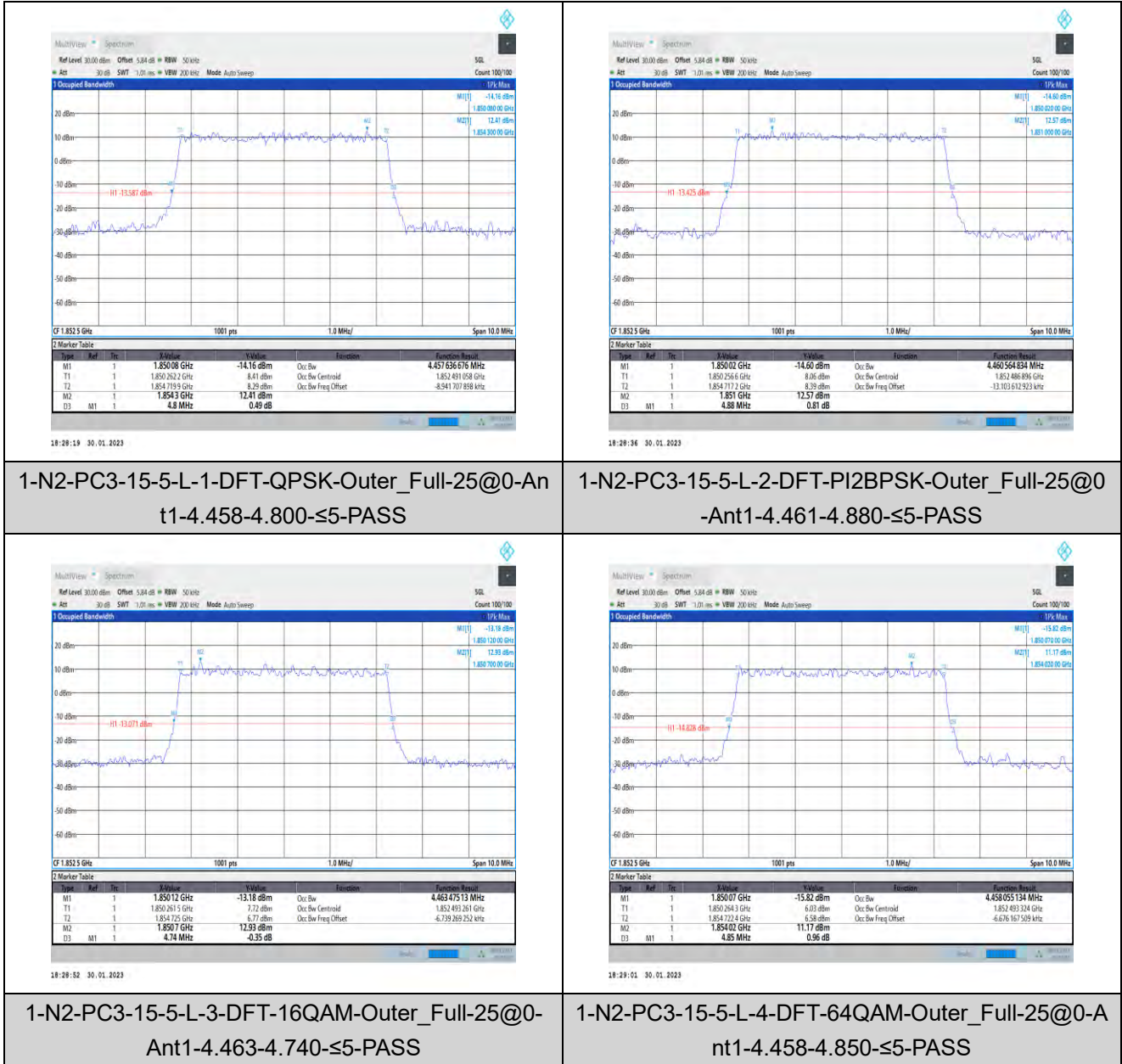


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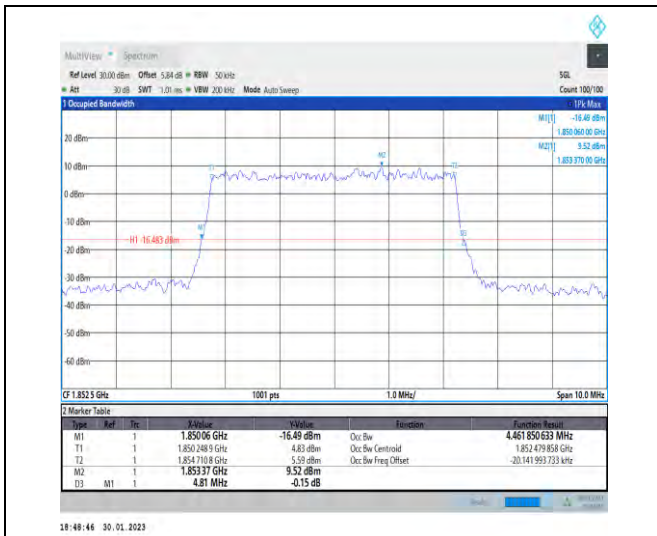
Test Graphs



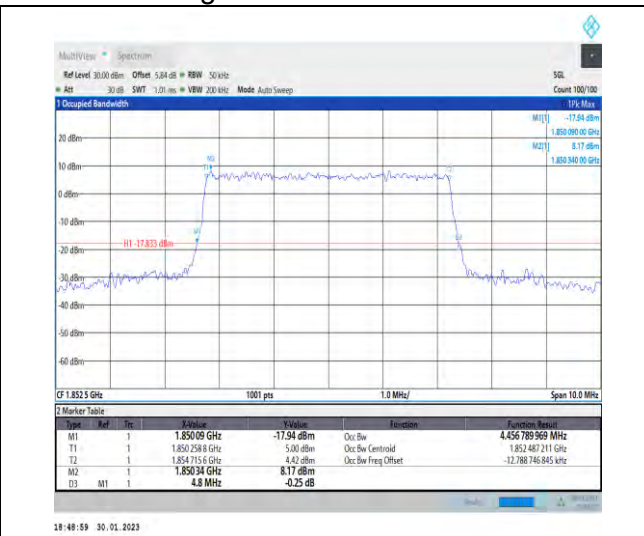
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1-N2-PC3-15-5-L-5-DFT-256QAM-Outer_Full-25@0-Ant1-4.462-4.810-≤5-PASS



1-N2-PC3-15-5-L-6-CP-QPSK-Outer_Full-25@0-Ant 1-4.457-4.800-≤5-PASS



1-N2-PC3-15-5-L-7-CP-16QAM-Outer_Full-25@0-A nt1-4.47-4.820-≤5-PASS

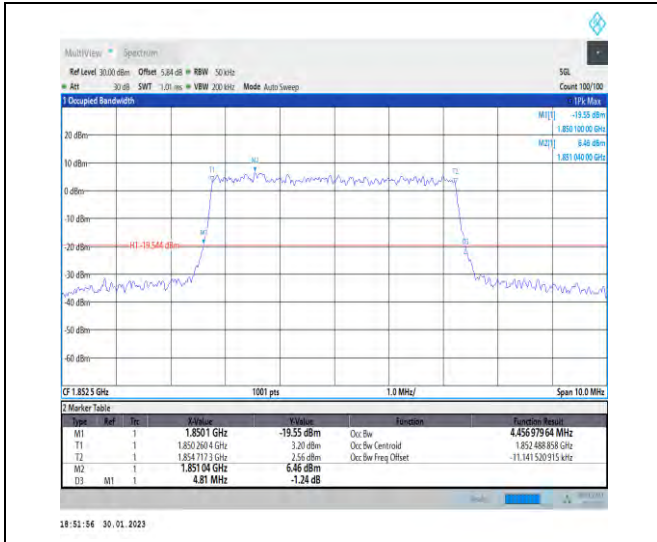


1-N2-PC3-15-5-L-8-CP-64QAM-Outer_Full-25@0-An t1-4.467-4.790-≤5-PASS



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1-N2-PC3-15-5-L-9-CP-256QAM-Outer_Full-25@0-Ant1-4.457-4.810-≤5-PASS

1-N2-PC3-15-5-M-1-DFT-QPSK-Outer_Full-25@0-Ant1-4.472-4.840-≤5-PASS



1-N2-PC3-15-5-M-2-DFT-PI2BPSK-Outer_Full-25@0-Ant1-4.473-4.830-≤5-PASS

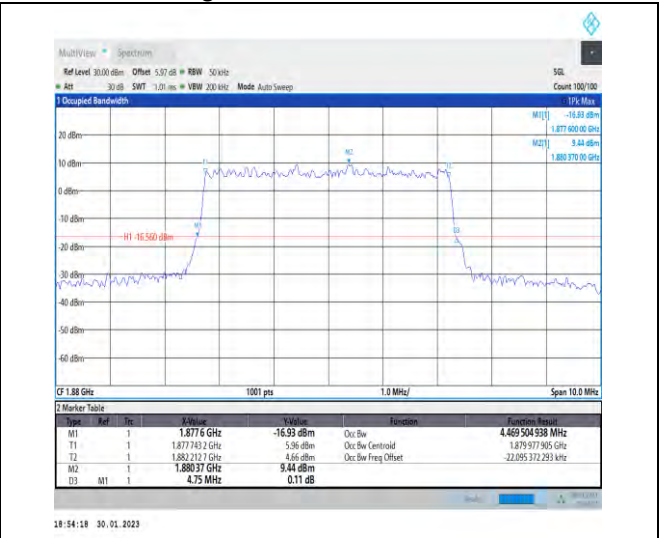
1-N2-PC3-15-5-M-3-DFT-16QAM-Outer_Full-25@0-Ant1-4.453-4.750-≤5-PASS



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1-N2-PC3-15-5-M-4-DFT-64QAM-Outer_Full-25@0-Ant1-4.455-4.820-≤5-PASS

1-N2-PC3-15-5-M-5-DFT-256QAM-Outer_Full-25@0-Ant1-4.47-4.750-≤5-PASS



1-N2-PC3-15-5-M-6-CP-QPSK-Outer_Full-25@0-Ant1-4.476-4.890-≤5-PASS

1-N2-PC3-15-5-M-7-CP-16QAM-Outer_Full-25@0-Ant1-4.468-4.810-≤5-PASS



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1-N2-PC3-15-5-M-8-CP-64QAM-Outer_Full-25@0-A
nt1-4.467-4.830- \leq 5-PASS



1-N2-PC3-15-5-M-9-CP-256QAM-Outer_Full-25@0-A
Ant1-4.469-4.930- \leq 5-PASS



1-N2-PC3-15-5-H-1-DFT-QPSK-Outer_Full-25@0-A
nt1-4.462-4.800- \leq 5-PASS



1-N2-PC3-15-5-H-2-DFT-PI2BPSK-Outer_Full-25@0-A
-Ant1-4.462-4.830- \leq 5-PASS



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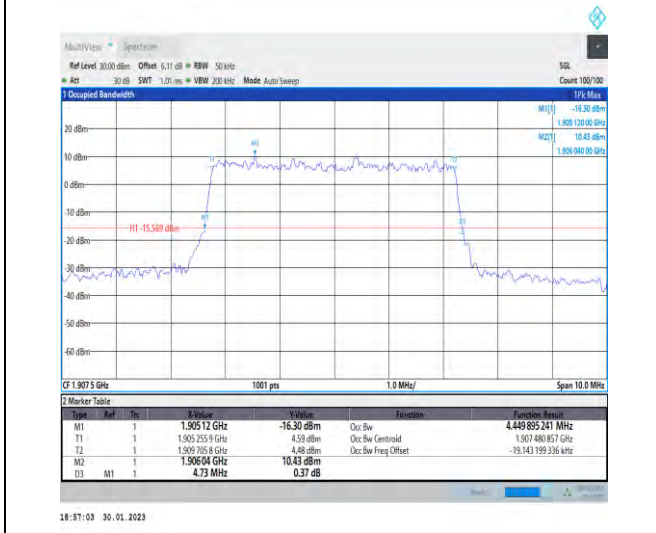
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1-N2-PC3-15-5-H-3-DFT-16QAM-Outer_Full-25@0-Ant1-4.467-4.840-≤5-PASS

1-N2-PC3-15-5-H-4-DFT-64QAM-Outer_Full-25@0-Ant1-4.447-4.780-≤5-PASS



1-N2-PC3-15-5-H-5-DFT-256QAM-Outer_Full-25@0-Ant1-4.45-4.730-≤5-PASS

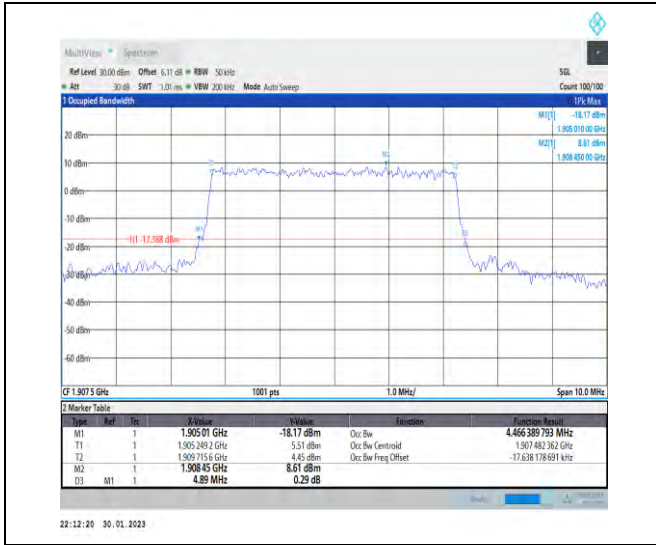
1-N2-PC3-15-5-H-6-CP-QPSK-Outer_Full-25@0-Ant1-4.466-4.870-≤5-PASS



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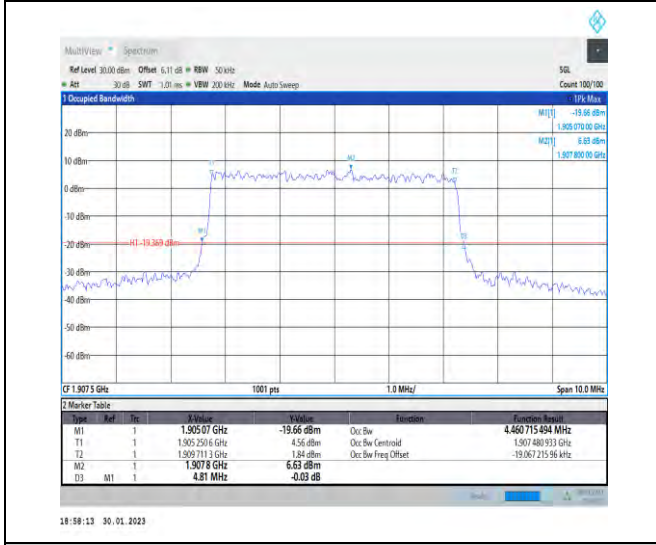
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1-N2-PC3-15-5-H-7-CP-16QAM-Outer_Full-25@0-A
nt1-4.466-4.890-≤5-PASS



1-N2-PC3-15-5-H-8-CP-64QAM-Outer_Full-25@0-A
nt1-4.465-4.820-≤5-PASS



1-N2-PC3-15-5-H-9-CP-256QAM-Outer_Full-25@0-A
Ant1-4.461-4.810-≤5-PASS



1-N2-PC3-15-10-L-1-DFT-QPSK-Outer_Full-50@0-A
nt1-8.897-9.540-≤10-PASS



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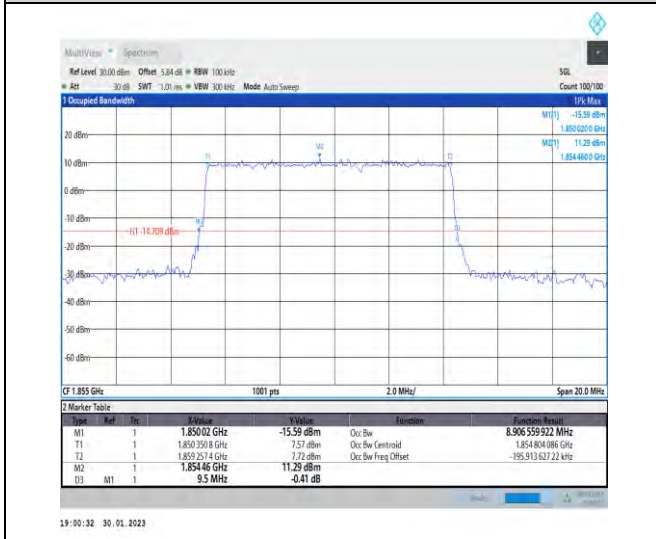
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1-N2-PC3-15-10-L-2-DFT-PI2BPSK-Outer_Full-50@0-Ant1-8.964-9.480-<=10-PASS



1-N2-PC3-15-10-L-3-DFT-16QAM-Outer_Full-50@0-Ant1-8.899-9.420-<=10-PASS



1-N2-PC3-15-10-L-4-DFT-64QAM-Outer_Full-50@0-Ant1-8.907-9.500-<=10-PASS



1-N2-PC3-15-10-L-5-DFT-256QAM-Outer_Full-50@0-Ant1-8.907-9.340-<=10-PASS

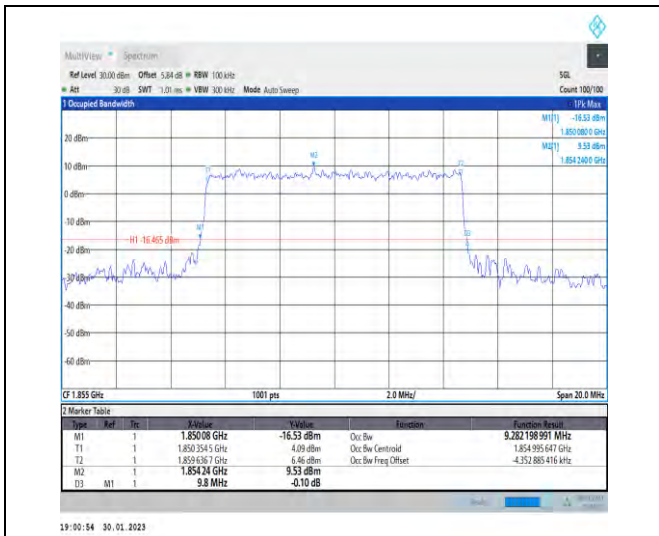


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1-N2-PC3-15-10-L-6-CP-QPSK-Outer_Full-52@0-A
 nt1-9.282-9.800-≤10-PASS

1-N2-PC3-15-10-L-7-CP-16QAM-Outer_Full-52@0-A
 nt1-9.289-9.740-≤10-PASS



1-N2-PC3-15-10-L-8-CP-64QAM-Outer_Full-52@0-A
 Ant1-9.278-9.920-≤10-PASS

1-N2-PC3-15-10-L-9-CP-256QAM-Outer_Full-52@0-A
 Ant1-9.265-9.820-≤10-PASS



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1-N2-PC3-15-10-M-1-DFT-QPSK-Outer_Full-50@0-Ant1-8.906-9.480-≤10-PASS

1-N2-PC3-15-10-M-2-DFT-PI2BPSK-Outer_Full-50@0-Ant1-8.933-9.440-≤10-PASS



1-N2-PC3-15-10-M-3-DFT-16QAM-Outer_Full-50@0-Ant1-8.901-9.460-≤10-PASS

1-N2-PC3-15-10-M-4-DFT-64QAM-Outer_Full-50@0-Ant1-8.908-9.440-≤10-PASS



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1-N2-PC3-15-10-M-5-DFT-256QAM-Outer_Full-50@0-Ant1-8.902-9.640-≤10-PASS



1-N2-PC3-15-10-M-6-CP-QPSK-Outer_Full-52@0-Ant1-9.287-9.900-≤10-PASS



1-N2-PC3-15-10-M-7-CP-16QAM-Outer_Full-52@0-Ant1-9.301-9.800-≤10-PASS



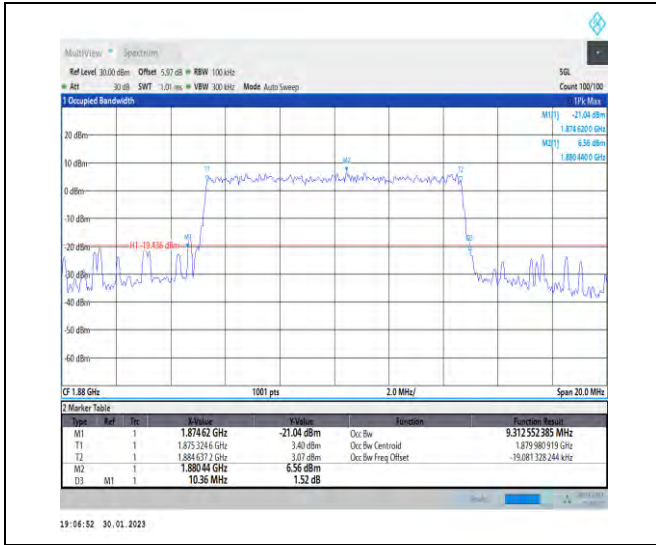
1-N2-PC3-15-10-M-8-CP-64QAM-Outer_Full-52@0-Ant1-9.306-9.920-≤10-PASS



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1-N2-PC3-15-10-M-9-CP-256QAM-Outer_Full-52@0
-Ant1-9.313-10.360-≤10-PASS



1-N2-PC3-15-10-H-1-DFT-QPSK-Outer_Full-50@0
-Ant1-8.894-9.560-≤10-PASS



1-N2-PC3-15-10-H-2-DFT-PI2BPSK-Outer_Full-50@0
0-Ant1-8.961-9.480-≤10-PASS



1-N2-PC3-15-10-H-3-DFT-16QAM-Outer_Full-50@0
-Ant1-8.898-9.500-≤10-PASS

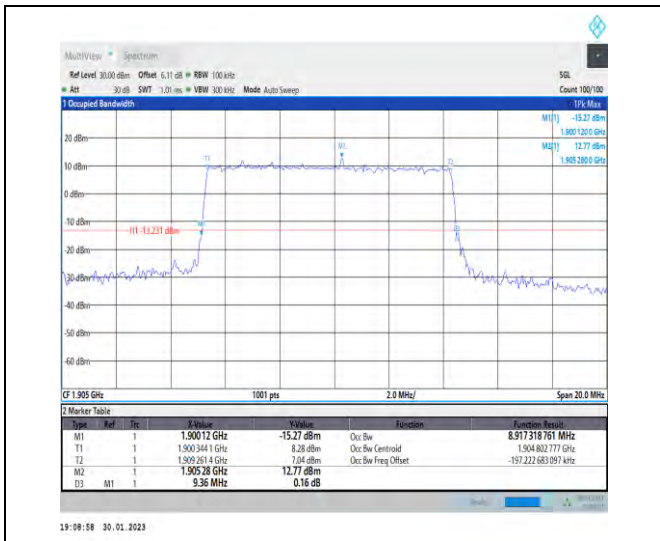


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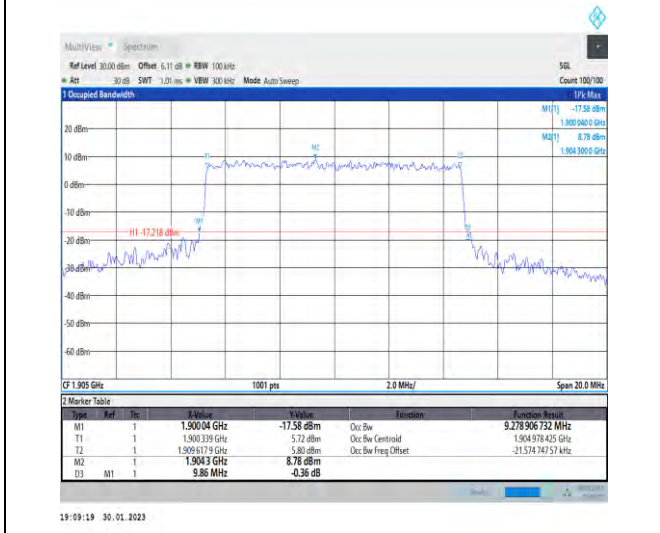
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1-N2-PC3-15-10-H-4-DFT-64QAM-Outer_Full-50@0-Ant1-8.917-9.360-≤10-PASS



1-N2-PC3-15-10-H-5-DFT-256QAM-Outer_Full-50@0-Ant1-8.893-9.360-≤10-PASS



1-N2-PC3-15-10-H-6-CP-QPSK-Outer_Full-52@0-Ant1-9.279-9.860-≤10-PASS

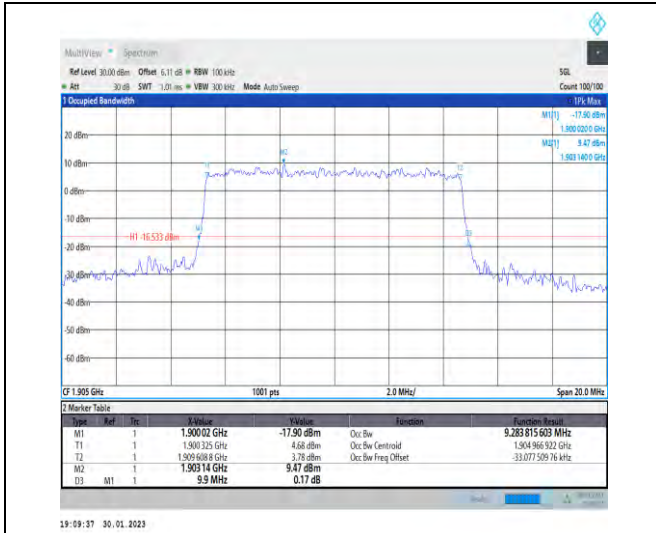


1-N2-PC3-15-10-H-7-CP-16QAM-Outer_Full-52@0-Ant1-9.291-9.720-≤10-PASS



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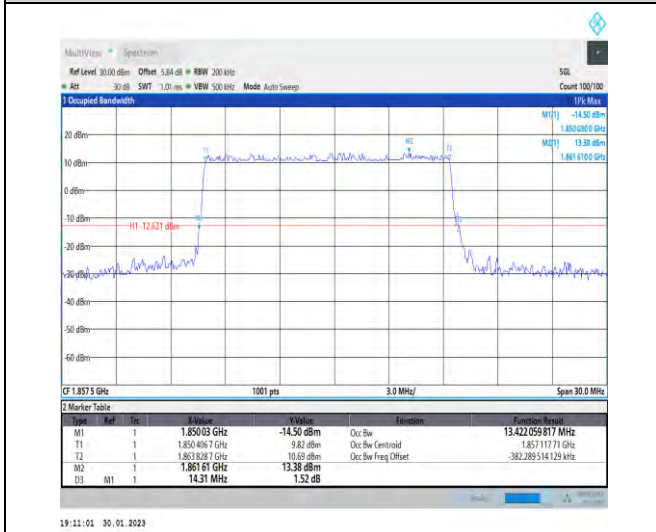
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1-N2-PC3-15-10-H-8-CP-64QAM-Outer_Full-52@0-Ant1-9.284-9.900-≤10-PASS



1-N2-PC3-15-10-H-9-CP-256QAM-Outer_Full-52@0-Ant1-9.28-9.820-≤10-PASS



1-N2-PC3-15-15-L-1-DFT-QPSK-Outer_Full-75@0-Ant1-13.422-14.310-≤15-PASS



1-N2-PC3-15-15-L-2-DFT-PI2BPSK-Outer_Full-75@0-Ant1-13.424-14.220-≤15-PASS



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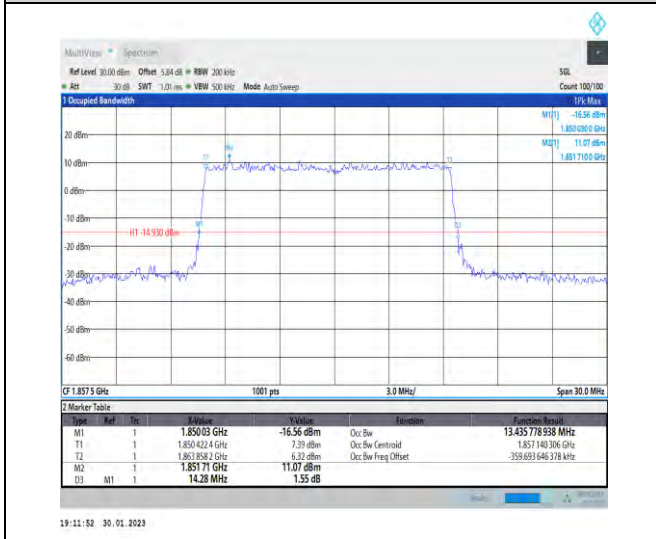
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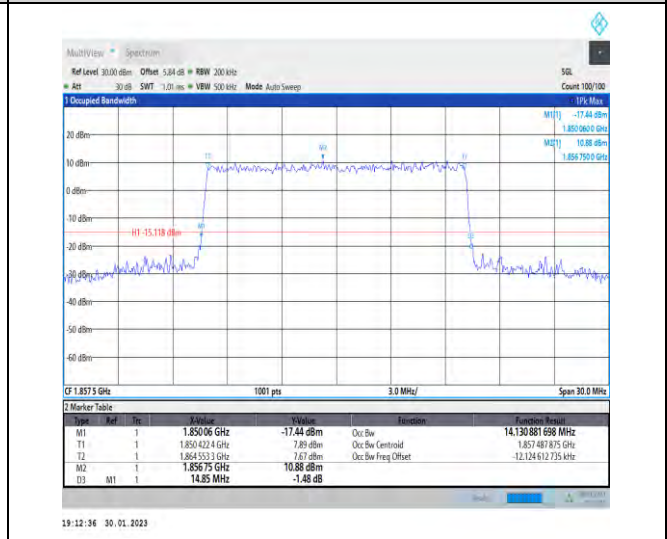
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1-N2-PC3-15-15-L-4-DFT-64QAM-Outer_Full-75@0-Ant1-13.421-14.190-≤15-PASS



1-N2-PC3-15-15-L-5-DFT-256QAM-Outer_Full-75@0-Ant1-13.436-14.280-≤15-PASS



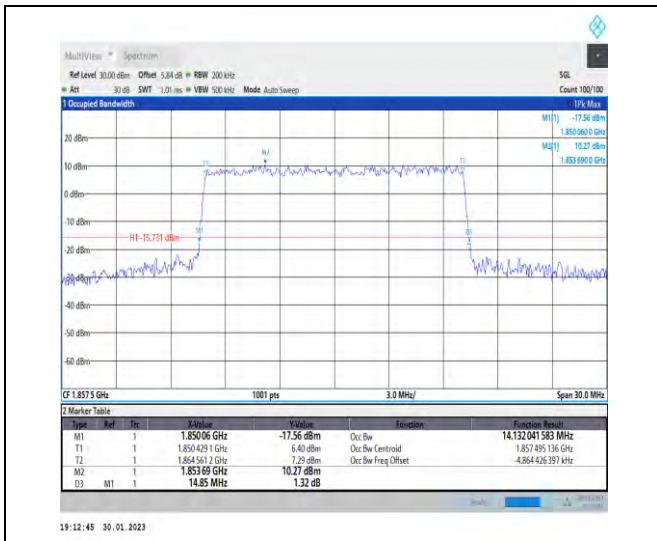
1-N2-PC3-15-15-L-6-CP-QPSK-Outer_Full-79@0-Ant1-14.131-14.850-≤15-PASS



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1-N2-PC3-15-15-L-8-CP-64QAM-Outer_Full-79@0-Ant1-14.168-14.940-≤15-PASS



1-N2-PC3-15-15-L-9-CP-256QAM-Outer_Full-79@0-Ant1-14.12-14.850-≤15-PASS

1-N2-PC3-15-15-M-1-DFT-QPSK-Outer_Full-75@0-Ant1-13.419-14.190-≤15-PASS



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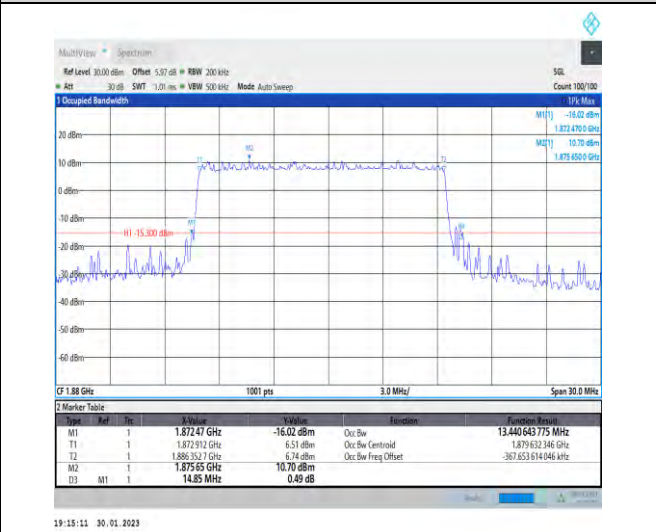
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1-N2-PC3-15-15-M-2-DFT-PI2BPSK-Outer_Full-75 @0-Ant1-13.404-14.160-≤15-PASS

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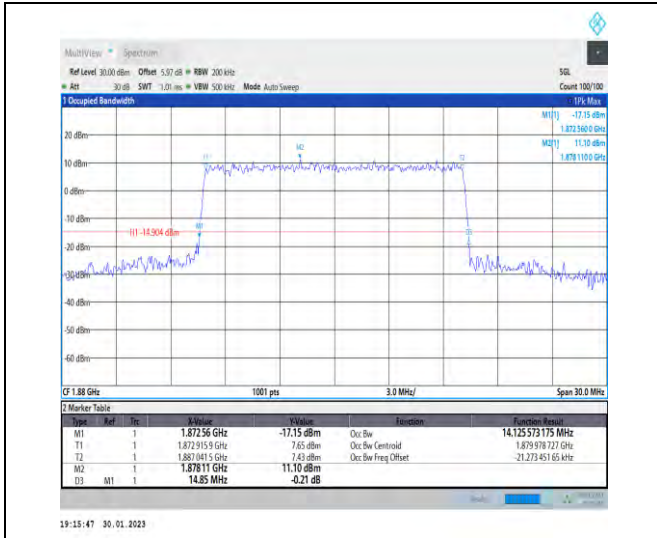
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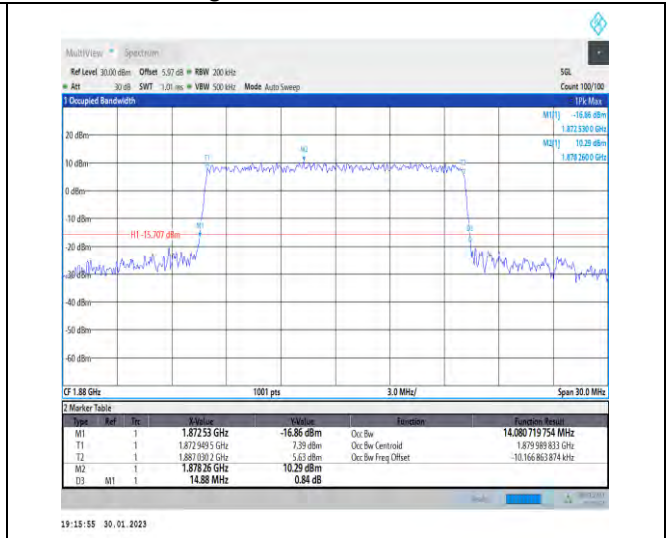


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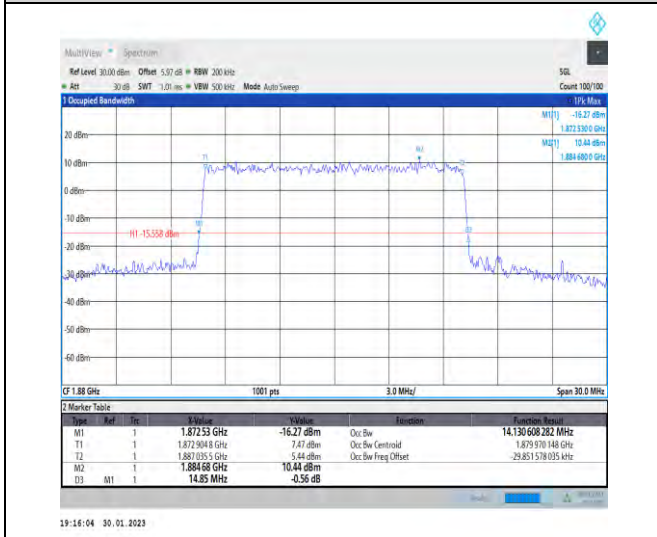
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1-N2-PC3-15-15-M-6-CP-QPSK-Outer_Full-79@0-A
Ant1-14.126-14.850-≤15-PASS



1-N2-PC3-15-15-M-7-CP-16QAM-Outer_Full-79@0-
Ant1-14.081-14.880-≤15-PASS



1-N2-PC3-15-15-M-8-CP-64QAM-Outer_Full-79@0-
Ant1-14.131-14.850-≤15-PASS



1-N2-PC3-15-15-M-9-CP-256QAM-Outer_Full-79@0-
-Ant1-14.107-16.110-≤15-PASS



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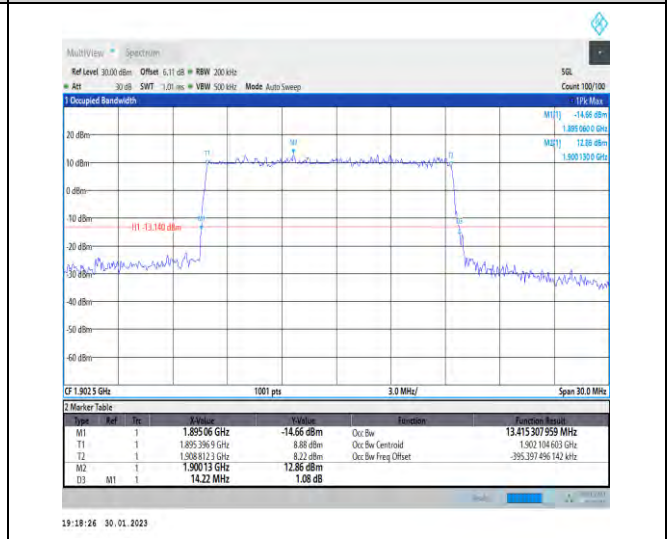
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1-N2-PC3-15-15-H-2-DFT-PI2BPSK-Outer_Full-75@0-Ant1-13.401-14.220-≤15-PASS



1-N2-PC3-15-15-H-3-DFT-16QAM-Outer_Full-75@0-Ant1-13.397-14.160-≤15-PASS



1-N2-PC3-15-15-H-4-DFT-64QAM-Outer_Full-75@0-Ant1-13.415-14.220-≤15-PASS



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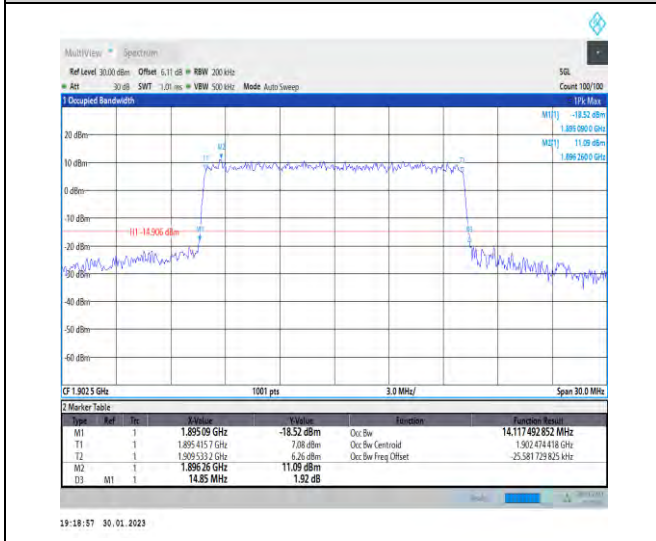
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1-N2-PC3-15-15-H-5-DFT-256QAM-Outer_Full-75@
0-Ant1-13.408-14.160-≤15-PASS



1-N2-PC3-15-15-H-6-CP-QPSK-Outer_Full-79@0-A
nt1-14.122-14.850-≤15-PASS



1-N2-PC3-15-15-H-7-CP-16QAM-Outer_Full-79@0-
Ant1-14.117-14.850-≤15-PASS



1-N2-PC3-15-15-H-8-CP-64QAM-Outer_Full-79@0-
Ant1-14.144-14.790-≤15-PASS

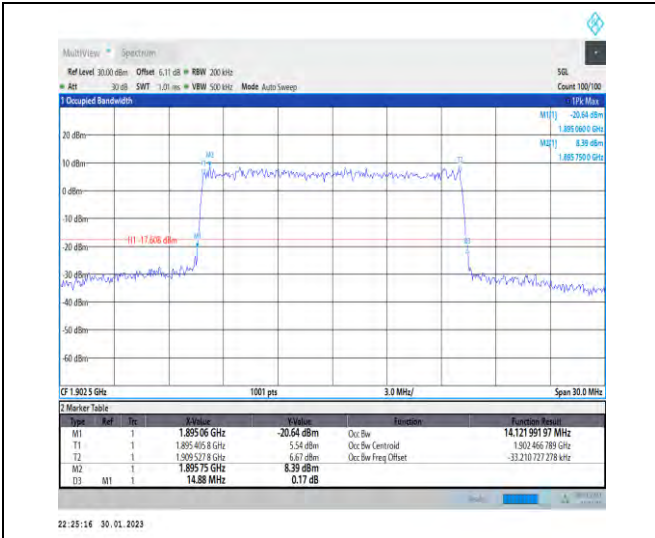


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1-N2-PC3-15-15-H-9-CP-256QAM-Outer_Full-79@0-Ant1-14.122-14.880-≤15-PASS



1-N2-PC3-15-20-L-1-DFT-QPSK-Outer_Full-100@0-Ant1-17.896-19.240-≤20-PASS



1-N2-PC3-15-20-L-2-DFT-PI2BPSK-Outer_Full-100@0-Ant1-17.89-18.840-≤20-PASS



1-N2-PC3-15-20-L-3-DFT-16QAM-Outer_Full-100@0-Ant1-17.893-19.040-≤20-PASS

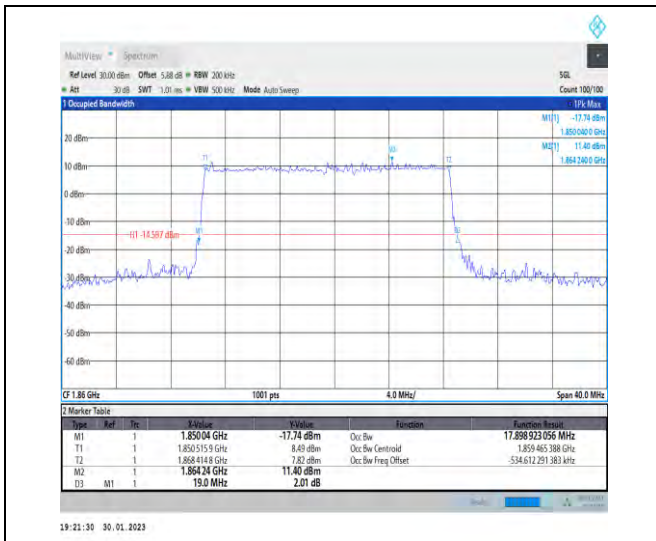


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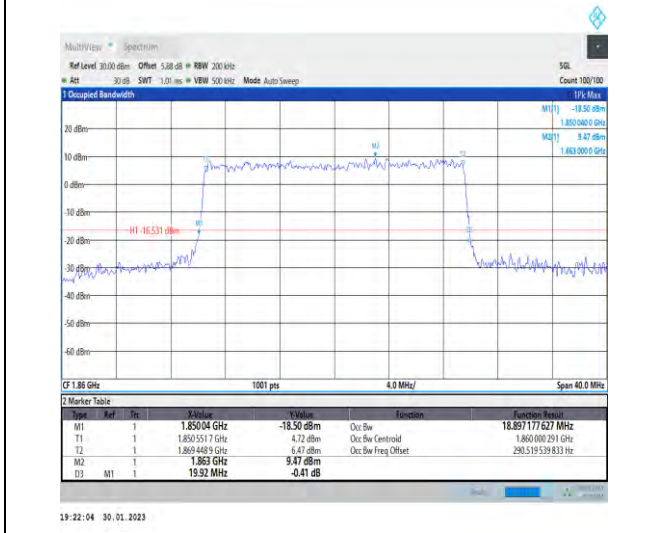
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1-N2-PC3-15-20-L-4-DFT-64QAM-Outer_Full-100@0-Ant1-17.899-19.000-≤20-PASS

1-N2-PC3-15-20-L-5-DFT-256QAM-Outer_Full-100@0-Ant1-17.879-18.880-≤20-PASS



1-N2-PC3-15-20-L-6-CP-QPSK-Outer_Full-106@0-Ant1-18.897-19.920-≤20-PASS

1-N2-PC3-15-20-L-7-CP-16QAM-Outer_Full-106@0-Ant1-18.98-19.760-≤20-PASS



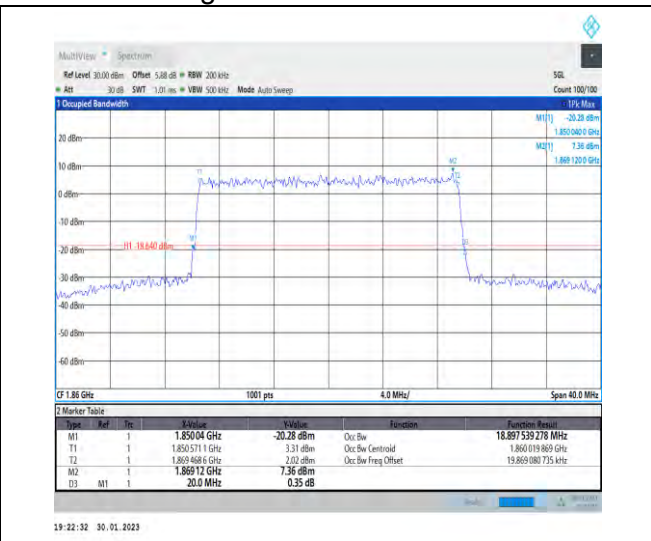
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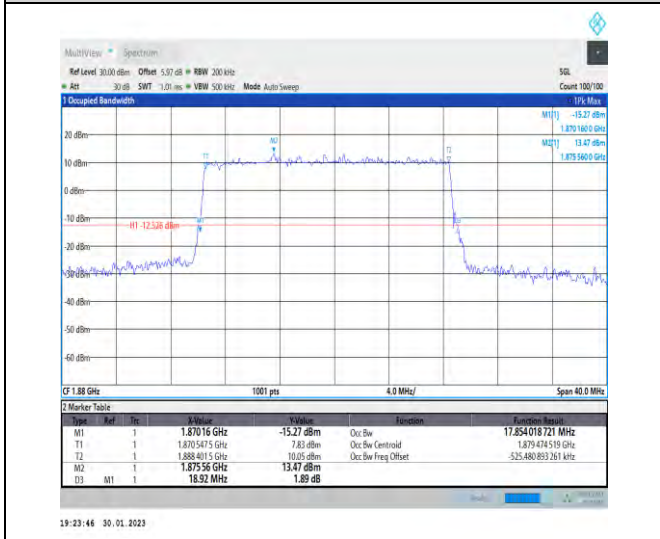
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1-N2-PC3-15-20-L-8-CP-64QAM-Outer_Full-106@0-Ant1-18.944-19.880-<=20-PASS



1-N2-PC3-15-20-L-9-CP-256QAM-Outer_Full-106@0-Ant1-18.898-20.000-<=20-PASS



1-N2-PC3-15-20-M-1-DFT-QPSK-Outer_Full-100@0-Ant1-17.854-18.920-<=20-PASS



1-N2-PC3-15-20-M-2-DFT-PI2BPSK-Outer_Full-100@0-Ant1-17.785-18.640-<=20-PASS



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1-N2-PC3-15-20-M-3-DFT-16QAM-Outer_Full-100@
 0-Ant1-17.889-18.800-≤20-PASS



1-N2-PC3-15-20-M-4-DFT-64QAM-Outer_Full-100@
 0-Ant1-17.87-19.080-≤20-PASS



1-N2-PC3-15-20-M-5-DFT-256QAM-Outer_Full-100
 @0-Ant1-17.866-18.920-≤20-PASS



1-N2-PC3-15-20-M-6-CP-QPSK-Outer_Full-106@0-
 Ant1-18.898-19.880-≤20-PASS

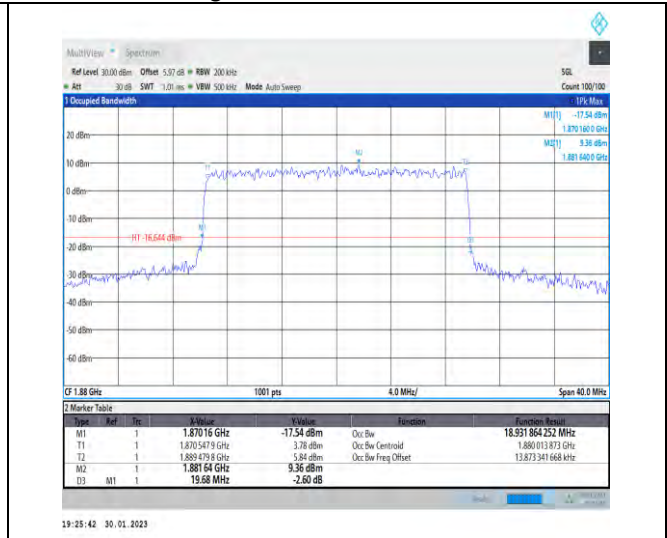


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1-N2-PC3-15-20-M-7-CP-16QAM-Outer_Full-106@0
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1-N2-PC3-15-20-M-8-CP-64QAM-Outer_Full-106@0
-Ant1-18.932-19.680-≤20-PASS



1-N2-PC3-15-20-M-9-CP-256QAM-Outer_Full-106@0
0-Ant1-18.893-19.720-≤20-PASS



1-N2-PC3-15-20-H-1-DFT-QPSK-Outer_Full-100@0
Ant1-17.864-18.920-≤20-PASS



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1-N2-PC3-15-20-H-3-DFT-16QAM-Outer_Full-100 @0-Ant1-17.899-18.800-≤20-PASS



1-N2-PC3-15-20-H-4-DFT-64QAM-Outer_Full-100 @0-Ant1-17.868-18.800-≤20-PASS

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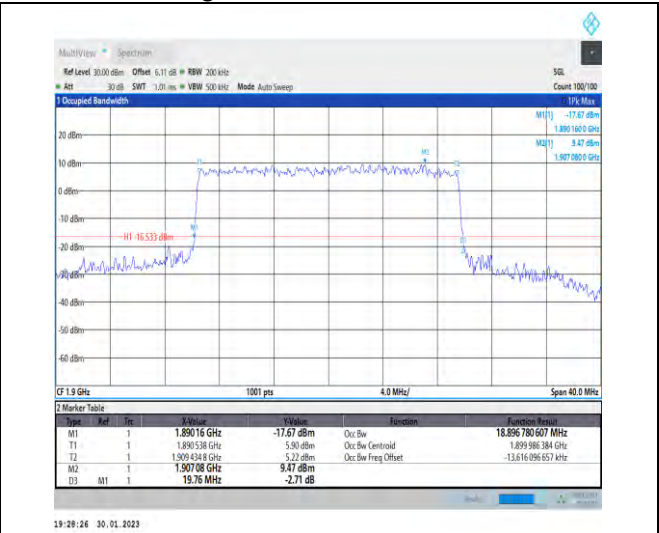
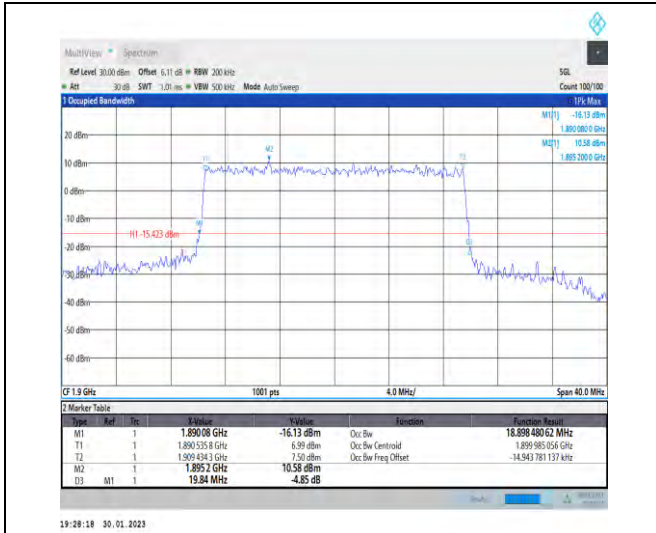


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1-N2-PC3-15-20-H-6-CP-QPSK-Outer_Full-106@0-Ant1-18.898-19.840-≤20-PASS

1-N2-PC3-15-20-H-7-CP-16QAM-Outer_Full-106@0-Ant1-18.897-19.760-≤20-PASS



1-N2-PC3-15-20-H-8-CP-64QAM-Outer_Full-106@0-Ant1-18.93-19.800-≤20-PASS

1-N2-PC3-15-20-H-9-CP-256QAM-Outer_Full-106@0-Ant1-18.842-19.720-≤20-PASS



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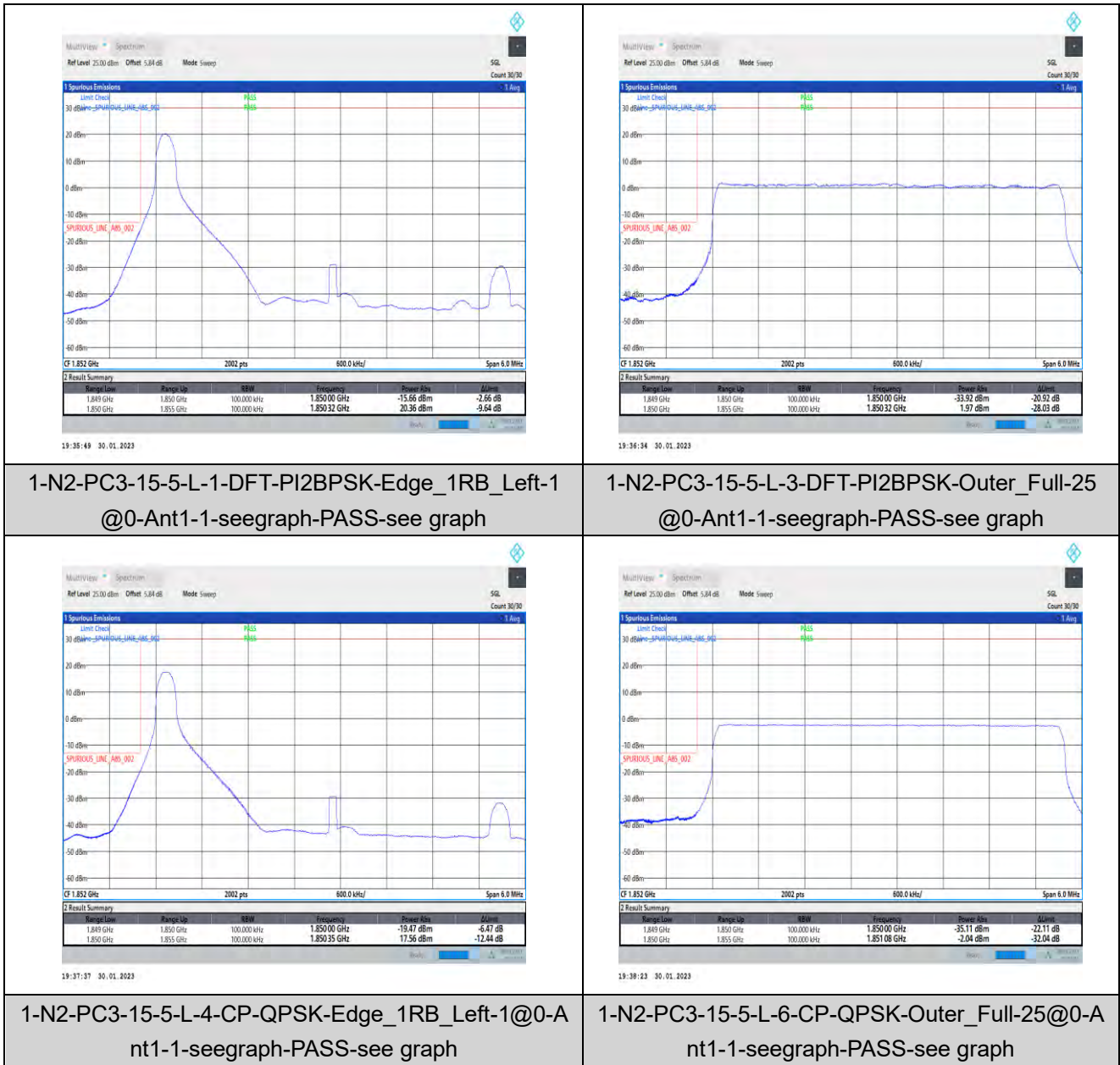
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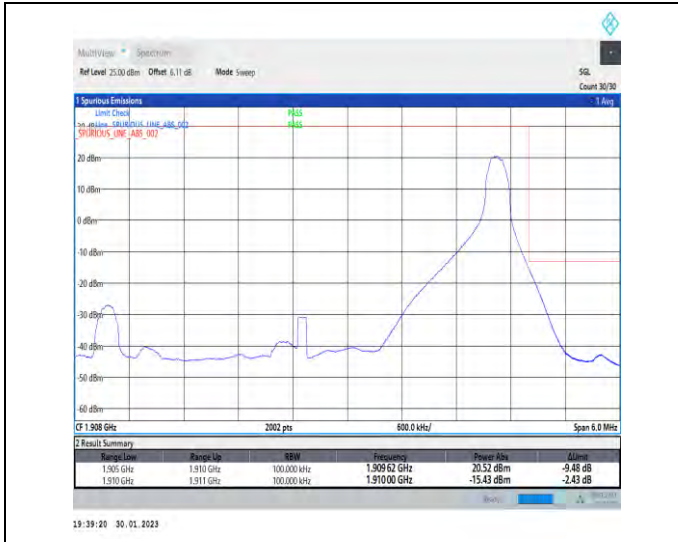
Band Edge for SA

Test Graphs

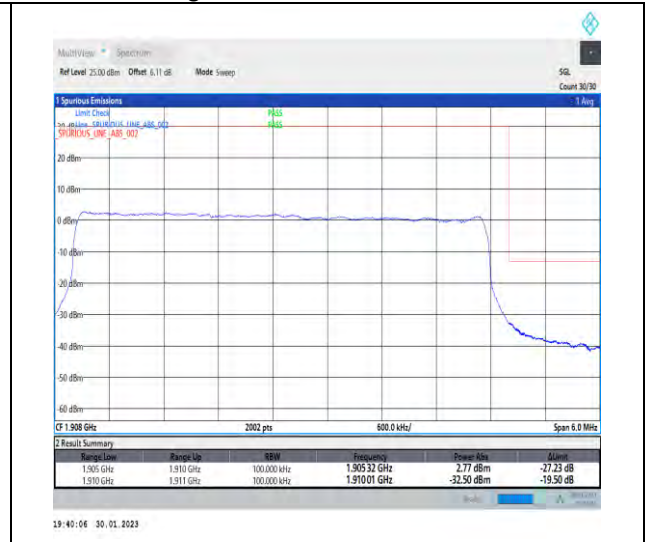


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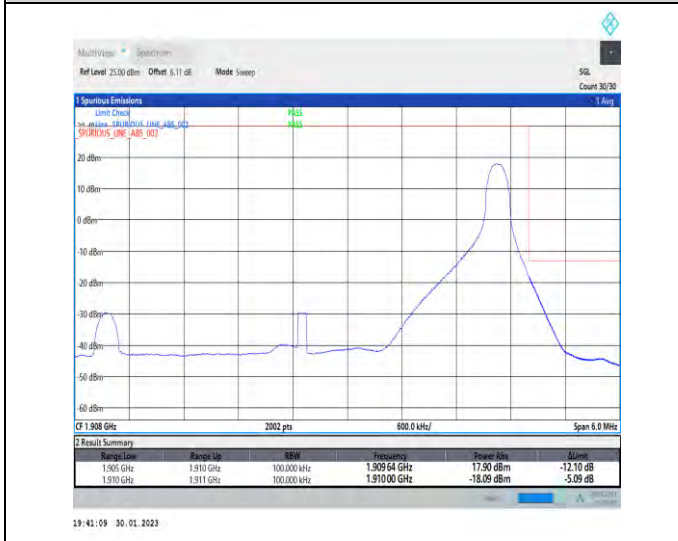
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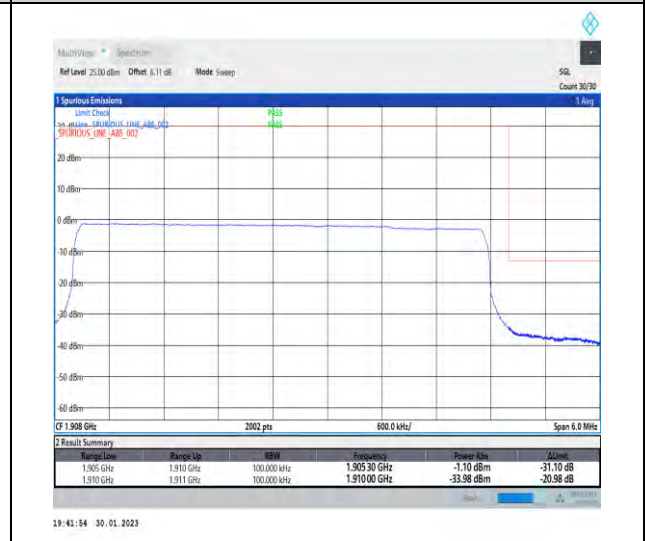
1-N2-PC3-15-5-H-2-DFT-PI2BPSK-Edge_1RB_Right-1 @24-Ant1-1-seegraph-PASS-see graph



1-N2-PC3-15-5-H-3-DFT-PI2BPSK-Outer_Full-25 @0-Ant1-1-seegraph-PASS-see graph



1-N2-PC3-15-5-H-5-CP-QPSK-Edge_1RB_Right-1@24-Ant1-1-seegraph-PASS-see graph

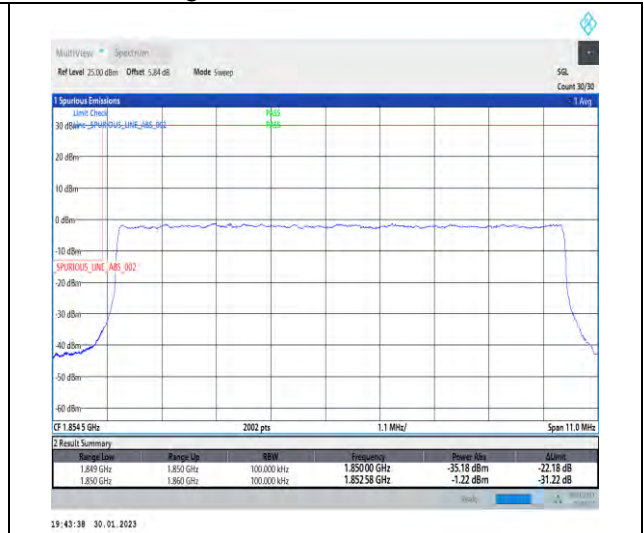


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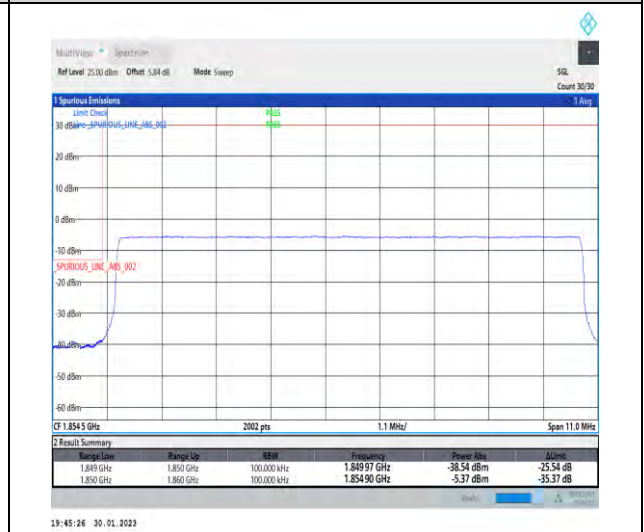
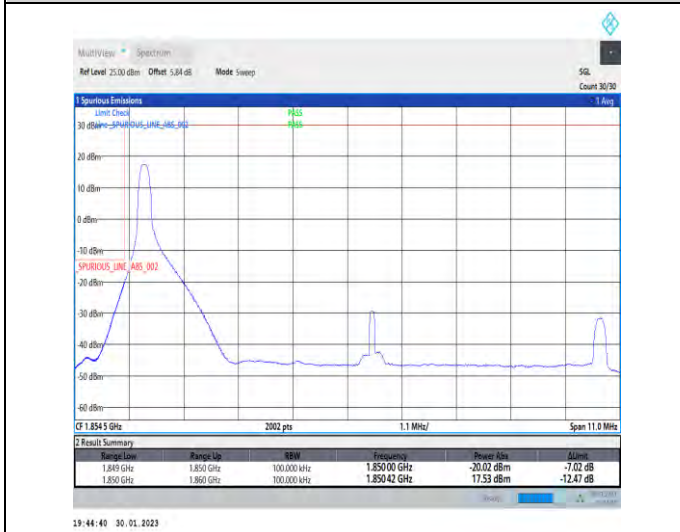
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1-N2-PC3-15-10-L-1-DFT-PI2BPSK-Edge_1RB_Left-1 @0-Ant1-1-seegraph-PASS-see graph

1-N2-PC3-15-10-L-3-DFT-PI2BPSK-Outer_Full-50 @0-Ant1-1-seegraph-PASS-see graph



1-N2-PC3-15-10-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant1-1-seegraph-PASS-see graph

1-N2-PC3-15-10-L-6-CP-QPSK-Outer_Full-52@0-Ant1-1-seegraph-PASS-see graph



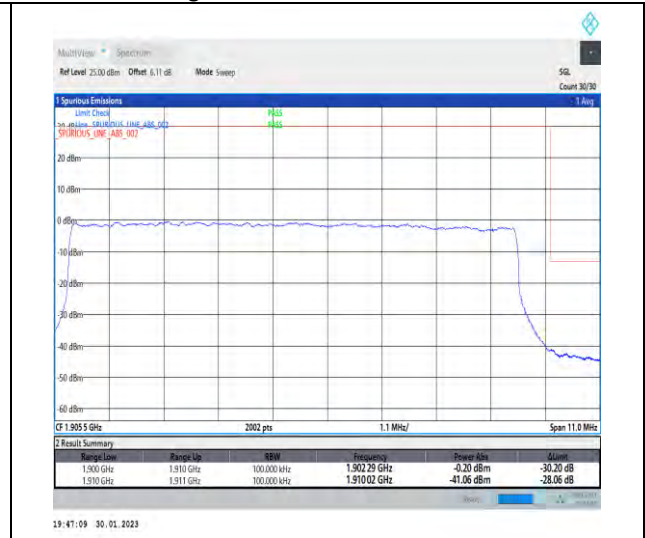
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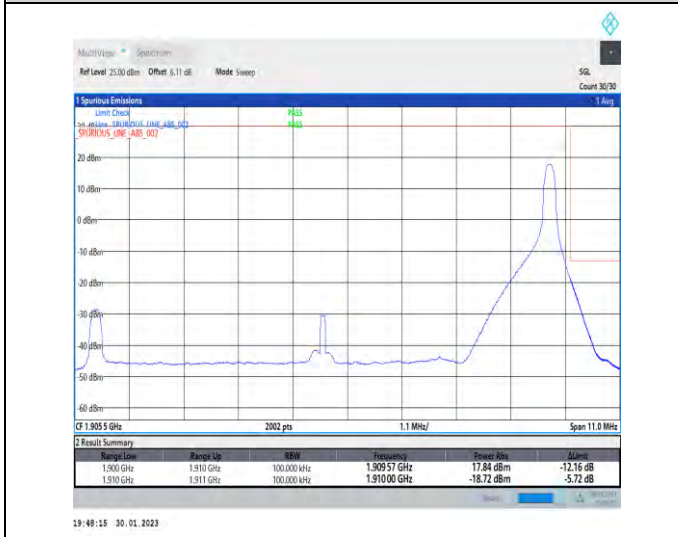
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1-N2-PC3-15-10-H-2-DFT-PI2BPSK-Edge_1RB_Right-1@51-Ant1-1-seegraph-PASS-see graph



1-N2-PC3-15-10-H-3-DFT-PI2BPSK-Outer_Full-50@0-Ant1-1-seegraph-PASS-see graph



1-N2-PC3-15-10-H-5-CP-QPSK-Edge_1RB_Right-1@51-Ant1-1-seegraph-PASS-see graph



1-N2-PC3-15-10-H-6-CP-QPSK-Outer_Full-52@0-Ant1-1-seegraph-PASS-see graph



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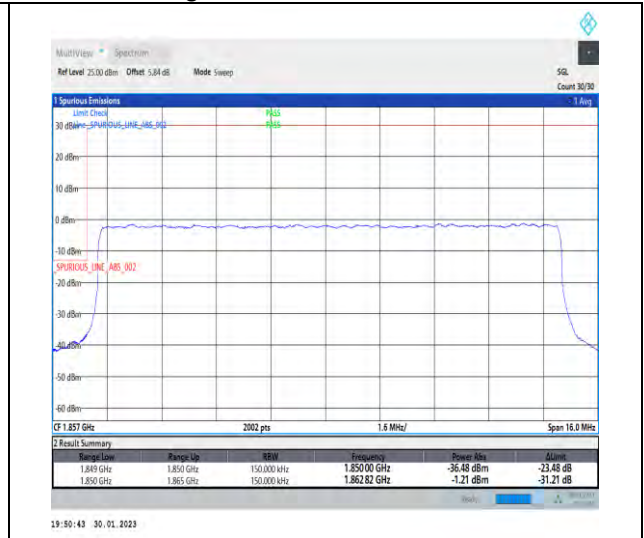
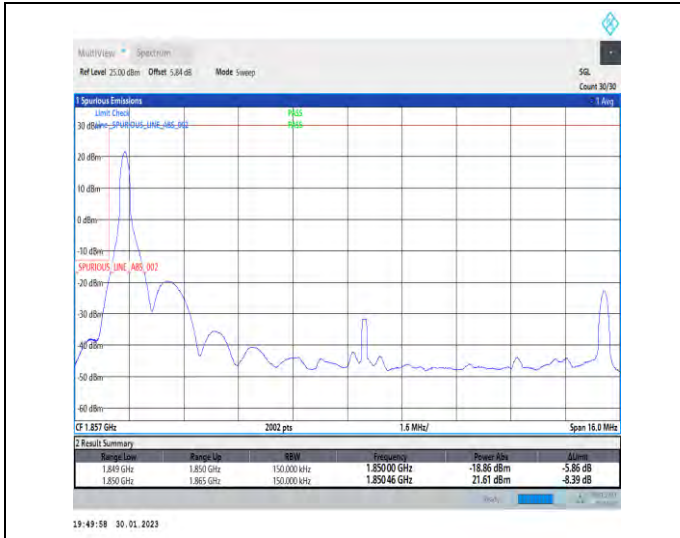
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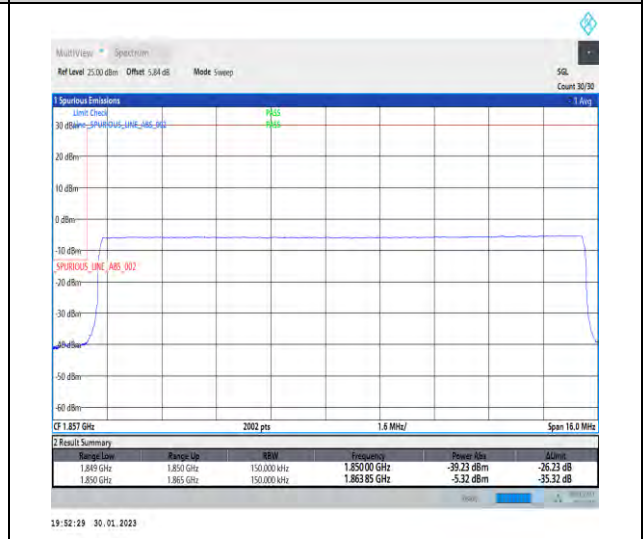
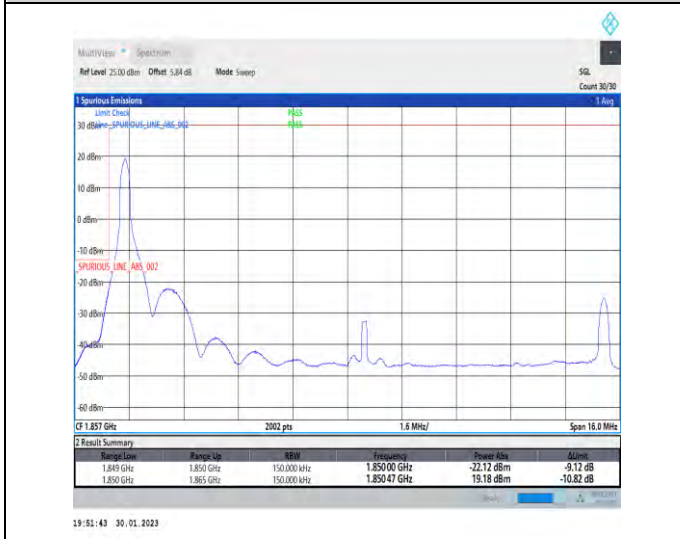
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1-N2-PC3-15-15-L-1-DFT-PI2BPSK-Edge_1RB_Left-1 @0-Ant1-1-seegraph-PASS-see graph

1-N2-PC3-15-15-L-3-DFT-PI2BPSK-Outer_Full-75 @0-Ant1-1-seegraph-PASS-see graph



1-N2-PC3-15-15-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant1-1-seegraph-PASS-see graph

1-N2-PC3-15-15-L-6-CP-QPSK-Outer_Full-79@0-Ant1-1-seegraph-PASS-see graph



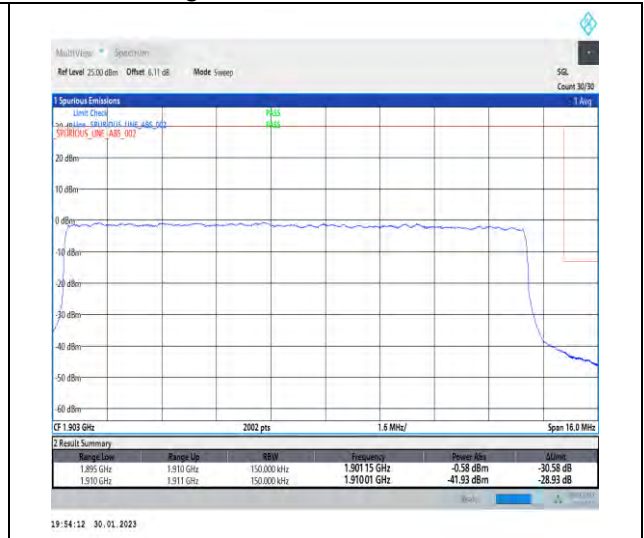
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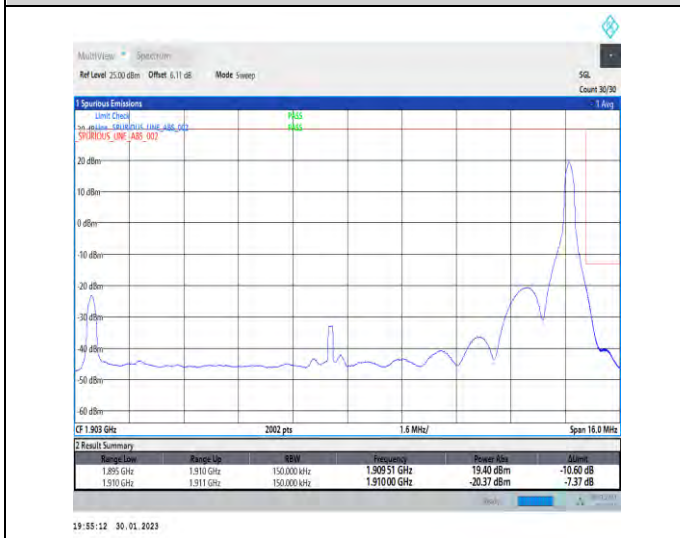
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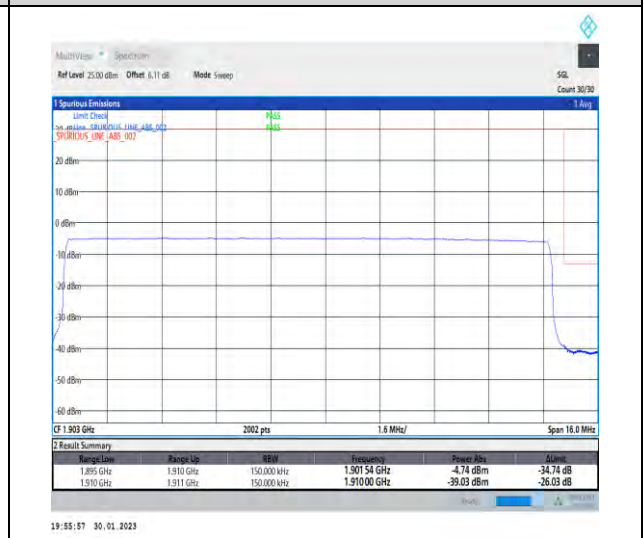
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1-N2-PC3-15-15-H-5-CP-QPSK-Edge_1RB_Right-1@78-Ant1-1-seegraph-PASS-see graph



1-N2-PC3-15-15-H-6-CP-QPSK-Outer_Full-79@0-Ant1-1-seegraph-PASS-see graph

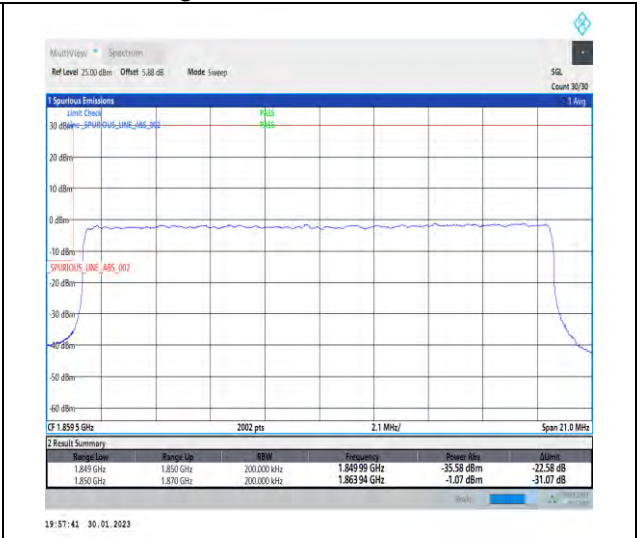
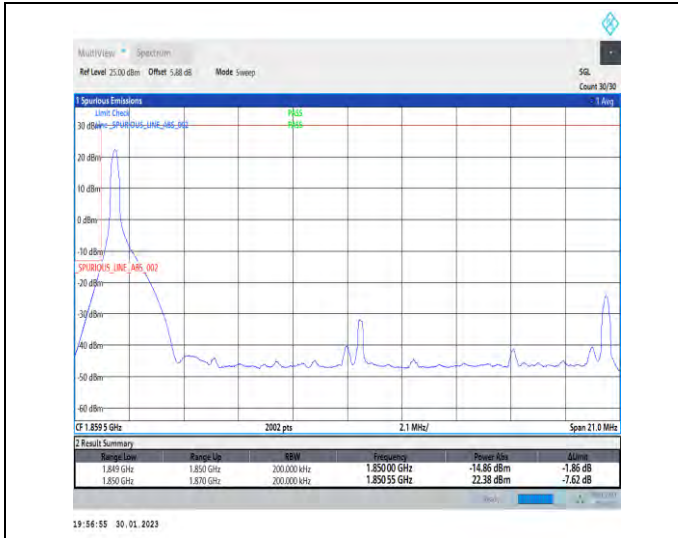


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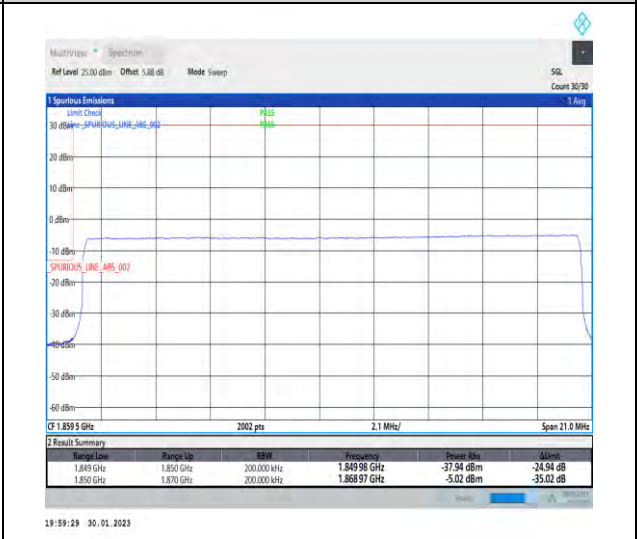
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1-N2-PC3-15-20-L-1-DFT-PI2BPSK-Edge_1RB_Left-1 @0-Ant1-1-seegraph-PASS-see graph

1-N2-PC3-15-20-L-3-DFT-PI2BPSK-Outer_Full-10 0@0-Ant1-1-seegraph-PASS-see graph



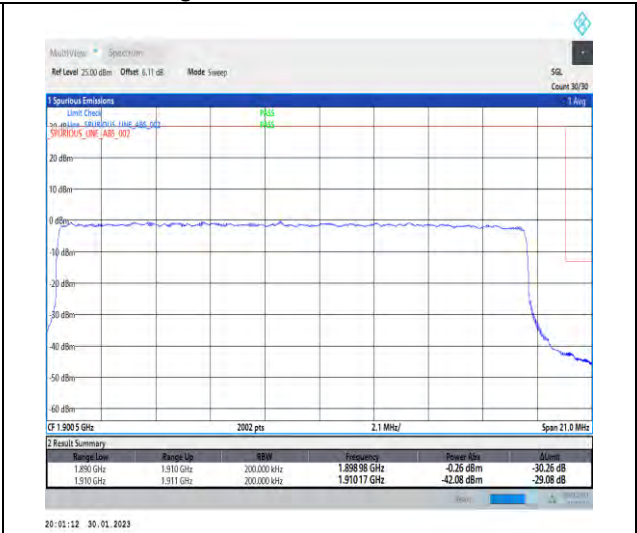
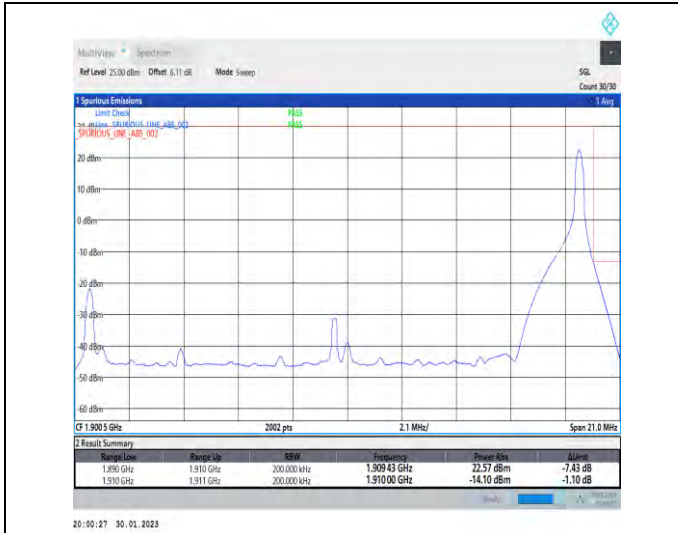
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1-N2-PC3-15-20-L-6-CP-QPSK-Outer_Full-106@0 -Ant1-1-seegraph-PASS-see graph



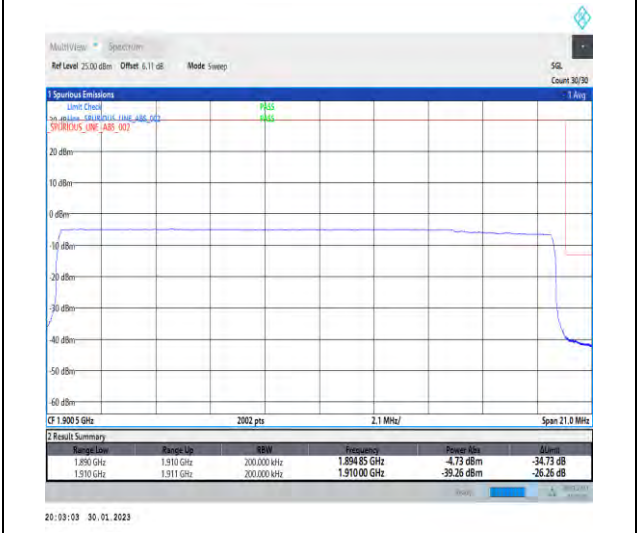
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1-N2-PC3-15-20-H-2-DFT-PI2BPSK-Edge_1RB_Right-1@105-Ant1-1-seegraph-PASS-see graph

1-N2-PC3-15-20-H-3-DFT-PI2BPSK-Outer_Full-100@0-Ant1-1-seegraph-PASS-see graph



1-N2-PC3-15-20-H-5-CP-QPSK-Edge_1RB_Right-1@105-Ant1-1-seegraph-PASS-see graph

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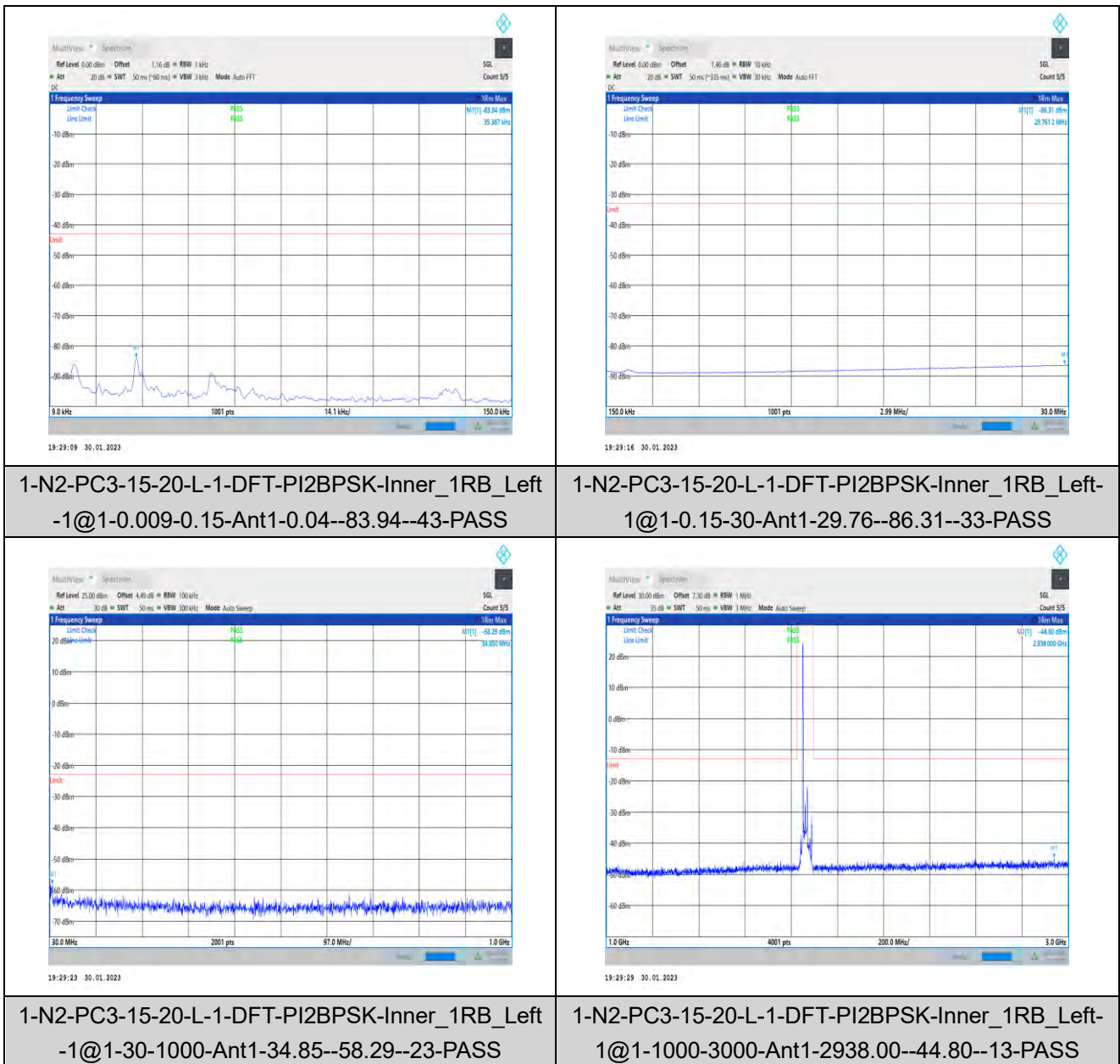


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Conducted Spurious Emission for SA

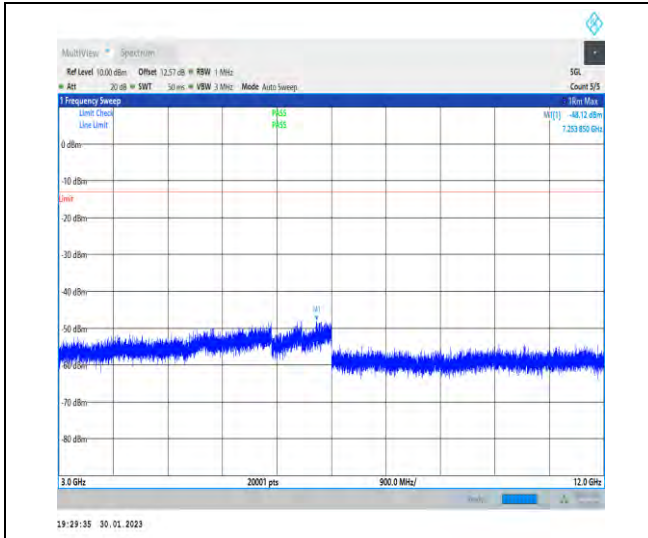
Test Graphs



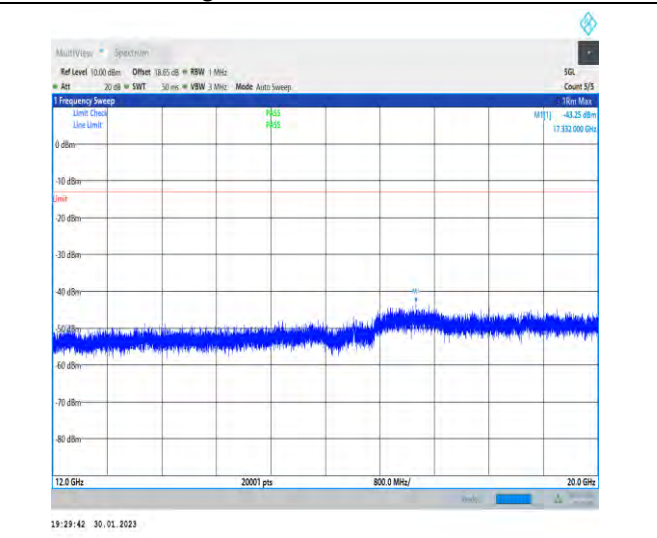
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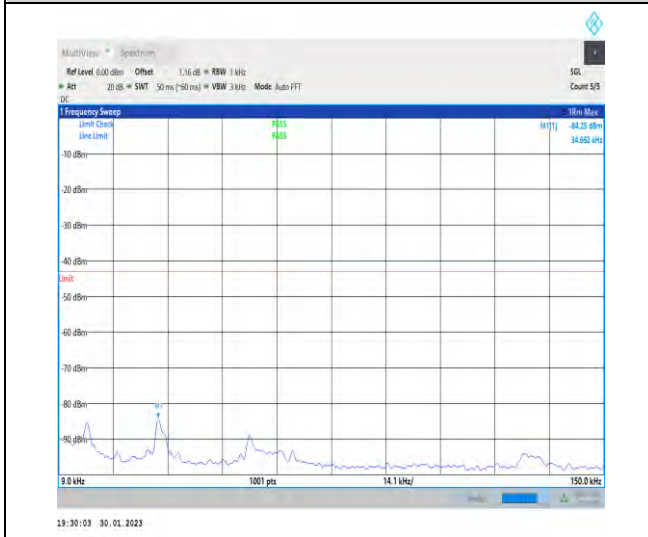
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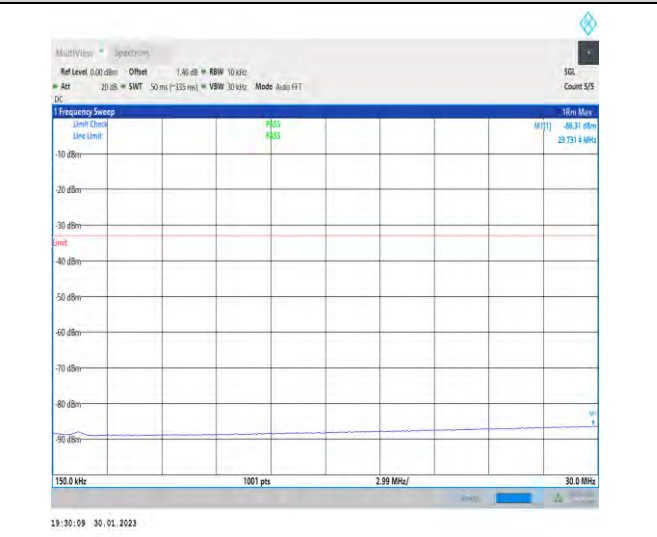
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1-N2-PC3-15-20-L-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-12000-20000-Ant1-17332.00--43.25--13-PASS



1-N2-PC3-15-20-M-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-0.009-0.15-Ant1-0.03--84.25--43-PASS

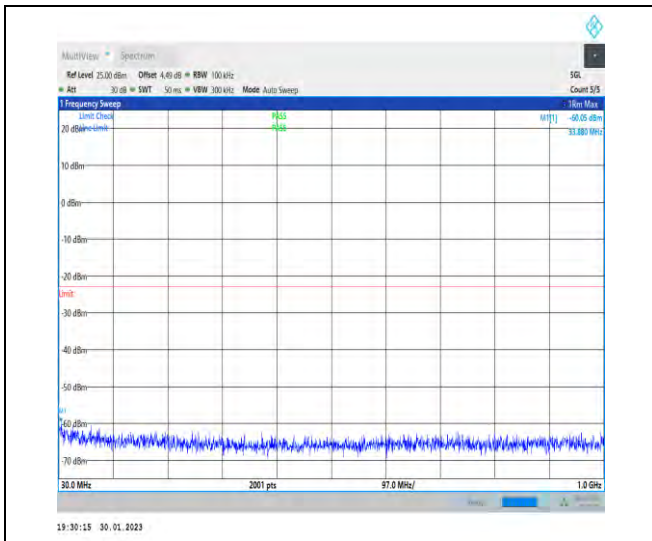


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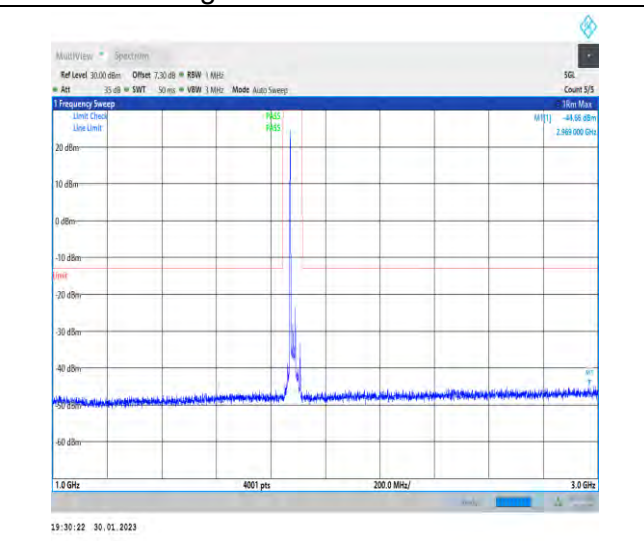


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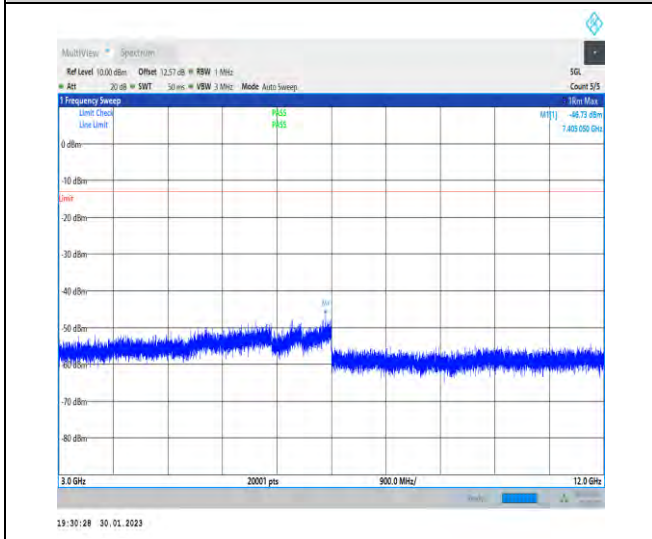
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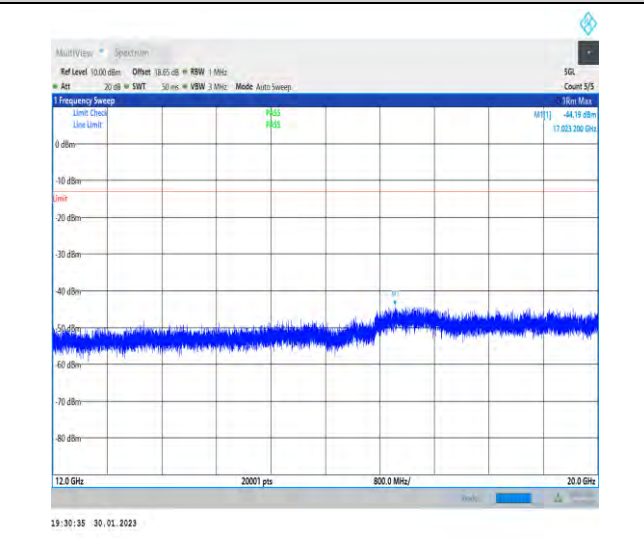
1-N2-PC3-15-20-M-1-DFT-PI2BPSK-Inner_1RB_Lef t-1@1-30-1000-Ant1-33.88--60.05--23-PASS



1-N2-PC3-15-20-M-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-1000-3000-Ant1-2969.00--44.66--13-PASS



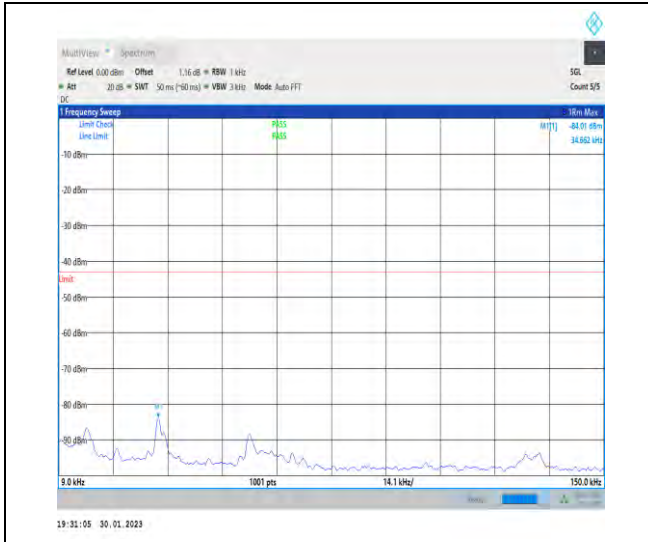
1-N2-PC3-15-20-M-1-DFT-PI2BPSK-Inner_1RB_Lef t-1@1-3000-12000-Ant1-7405.05--46.73--13-PASS



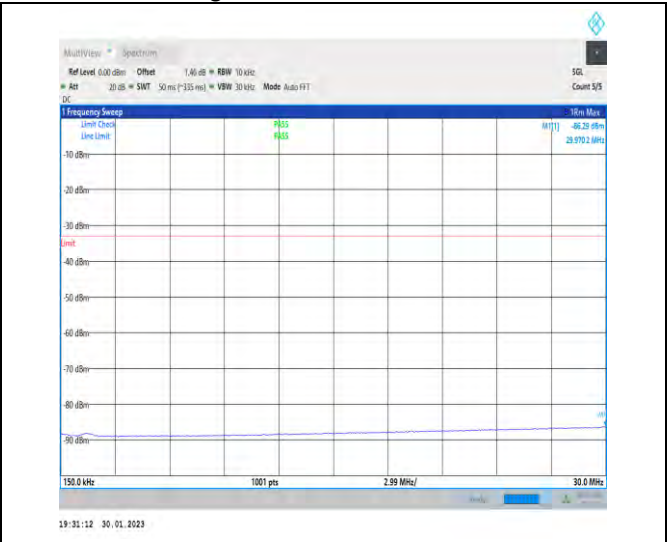
1-N2-PC3-15-20-M-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-12000-20000-Ant1-17023.20--44.19--13-PASS



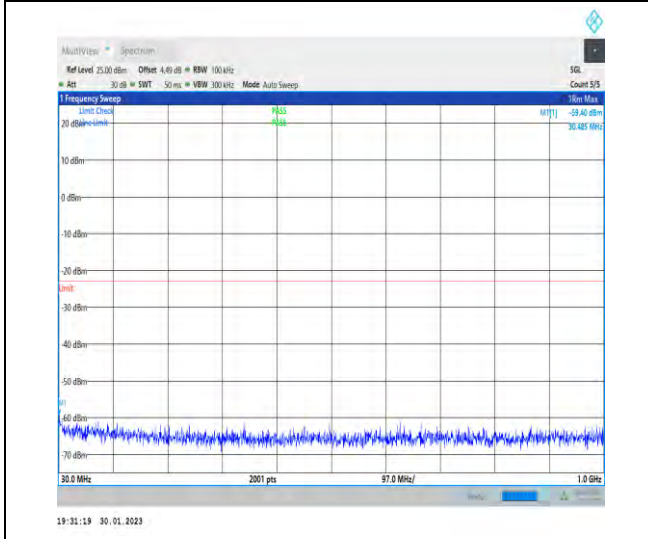
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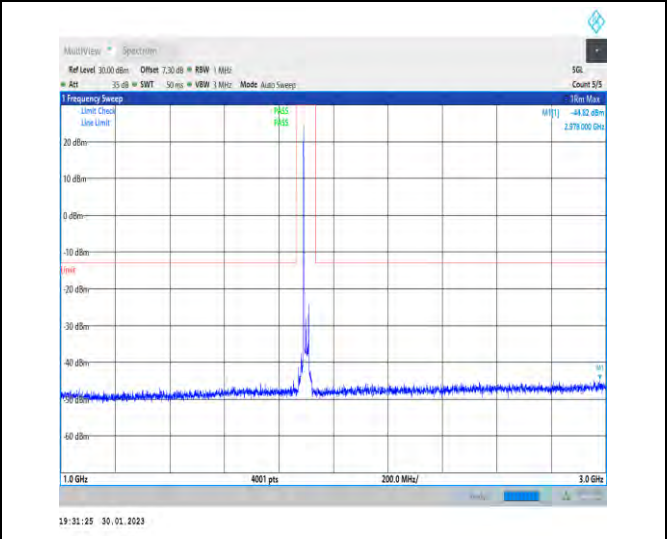
1-N2-PC3-15-20-H-1-DFT-PI2BPSK-Inner_1RB_Lef t-1@1-0.009-0.15-Ant1-0.03--84.01--43-PASS



1-N2-PC3-15-20-H-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-0.15-30-Ant1-29.97--86.29--33-PASS



1-N2-PC3-15-20-H-1-DFT-PI2BPSK-Inner_1RB_Lef t-1@1-30-1000-Ant1-30.49--59.40--23-PASS



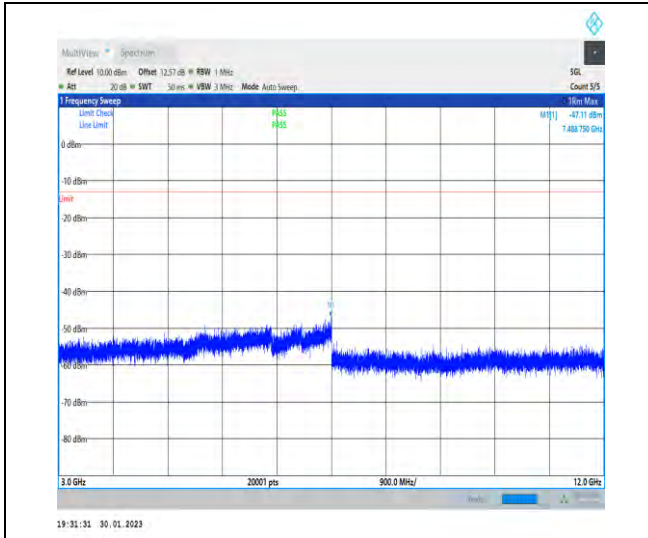
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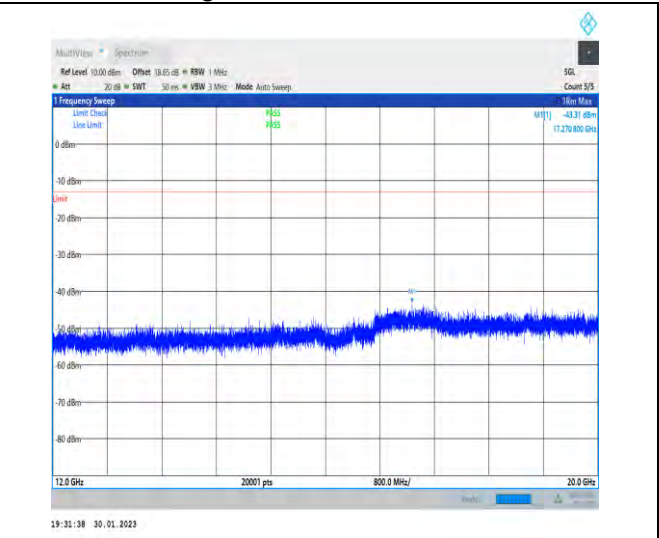
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1-N2-PC3-15-20-H-1-DFT-PI2BPSK-Inner_1RB_Lef t-1@1-3000-12000-Ant1-7488.75--47.11--13-PASS



1-N2-PC3-15-20-H-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-12000-20000-Ant1-17270.80--43.31--13-PASS



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Field Strength of Spurious Radiation

Test Band = SA Band2_20MHz_TM1

Test Channel = Low

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3702.1800	40.72	-45.51	29.98	-70.07	-13.00	57.07	241	121	Horizontal
2	5553.2700	39.44	-45.15	32.97	-68.00	-13.00	55.00	136	270	Horizontal
3	7404.3600	38.85	-43.40	36.49	-63.32	-13.00	50.32	256	2	Horizontal
4	9255.4500	35.32	-40.23	38.38	-61.79	-13.00	48.79	142	2	Horizontal
5	11106.5400	30.40	-37.93	39.09	-63.70	-13.00	50.70	185	135	Horizontal
6	12957.6300	29.63	-37.24	39.79	-63.08	-13.00	50.08	146	30	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3702.1800	40.31	-45.51	29.98	-70.48	-13.00	57.48	195	145	Vertical
2	5553.2700	40.19	-45.15	32.97	-67.25	-13.00	54.25	142	118	Vertical
3	7404.3600	39.34	-43.40	36.49	-62.83	-13.00	49.83	155	0	Vertical
4	9255.4500	35.12	-40.23	38.38	-61.99	-13.00	48.99	186	196	Vertical
5	11106.5400	30.59	-37.93	39.09	-63.51	-13.00	50.51	254	75	Vertical
6	12957.6300	29.89	-37.24	39.79	-62.82	-13.00	49.82	139	256	Vertical



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Test Band = SA Band2_20MHz_TM1

Test Channel = Mid

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3742.1800	40.62	-45.68	30.12	-70.20	-13.00	57.20	155	269	Horizontal
2	5613.2700	39.06	-45.04	33.07	-68.17	-13.00	55.17	129	356	Horizontal
3	7484.3600	38.07	-43.18	36.45	-63.92	-13.00	50.92	142	2	Horizontal
4	9355.4500	33.81	-40.00	38.46	-63.00	-13.00	50.00	174	193	Horizontal
5	11226.5400	31.74	-37.40	39.11	-61.81	-13.00	48.81	142	356	Horizontal
6	13097.6300	29.42	-37.01	39.87	-62.97	-13.00	49.97	156	163	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3742.1800	40.49	-45.68	30.12	-70.33	-13.00	57.33	178	286	Vertical
2	5613.2700	39.15	-45.04	33.07	-68.08	-13.00	55.08	195	25	Vertical
3	7484.3600	38.01	-43.18	36.45	-63.98	-13.00	50.98	142	133	Vertical
4	9355.4500	34.25	-40.00	38.46	-62.56	-13.00	49.56	155	265	Vertical
5	11226.5400	31.69	-37.40	39.11	-61.86	-13.00	48.86	126	105	Vertical
6	13097.6300	28.81	-37.01	39.87	-63.58	-13.00	50.58	160	29	Vertical



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Test Band = SA Band2_20MHz_TM1
 Test Channel = High

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3782.1800	40.76	-45.85	30.27	-70.08	-13.00	57.08	198	58	Horizontal
2	5673.2700	39.06	-44.91	33.29	-67.82	-13.00	54.82	222	193	Horizontal
3	7564.3600	36.97	-43.00	36.41	-64.89	-13.00	51.89	174	224	Horizontal
4	9455.4500	34.42	-40.05	38.48	-62.42	-13.00	49.42	153	299	Horizontal
5	11346.5400	30.64	-37.40	39.11	-62.91	-13.00	49.91	250	147	Horizontal
6	13237.6300	28.42	-37.08	39.96	-63.95	-13.00	50.95	190	224	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3782.1800	40.89	-45.85	30.27	-69.95	-13.00	56.95	149	165	Vertical
2	5673.2700	40.07	-44.91	33.29	-66.81	-13.00	53.81	125	314	Vertical
3	7564.3600	37.33	-43.00	36.41	-64.53	-13.00	51.53	176	210	Vertical
4	9455.4500	33.44	-40.05	38.48	-63.40	-13.00	50.40	140	120	Vertical
5	11346.5400	31.53	-37.40	39.11	-62.02	-13.00	49.02	122	210	Vertical
6	13237.6300	28.38	-37.08	39.96	-63.99	-13.00	50.99	153	16	Vertical



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Test Band = NSA 12A-n2A_TM1

Test Channel = Low

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3702.1800	40.31	-45.51	29.98	-70.48	-13.00	57.48	244	239	Horizontal
2	5553.2700	39.81	-45.15	32.97	-67.63	-13.00	54.63	152	255	Horizontal
3	7404.3600	38.92	-43.40	36.49	-63.25	-13.00	50.25	156	2	Horizontal
4	9255.4500	35.26	-40.23	38.38	-61.85	-13.00	48.85	132	134	Horizontal
5	11106.5400	33.51	-37.93	39.09	-60.59	-13.00	47.59	105	0	Horizontal
6	12957.6300	33.12	-37.24	39.79	-59.59	-13.00	46.59	178	180	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3702.1800	40.33	-45.51	29.98	-70.46	-13.00	57.46	145	195	Vertical
2	5553.2700	39.89	-45.15	32.97	-67.55	-13.00	54.55	166	150	Vertical
3	7404.3600	39.04	-43.40	36.49	-63.13	-13.00	50.13	184	0	Vertical
4	9255.4500	36.24	-40.23	38.38	-60.87	-13.00	47.87	178	331	Vertical
5	11106.5400	32.70	-37.93	39.09	-61.40	-13.00	48.40	195	2	Vertical
6	12957.6300	32.28	-37.24	39.79	-60.43	-13.00	47.43	143	301	Vertical



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Test Band = NSA 12A-n2A_ TM1

Test Channel = Mid

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3742.1800	40.46	-45.68	30.12	-70.36	-13.00	57.36	221	316	Horizontal
2	5613.2700	39.26	-45.04	33.07	-67.97	-13.00	54.97	302	41	Horizontal
3	7484.3600	37.84	-43.18	36.45	-64.15	-13.00	51.15	145	72	Horizontal
4	9355.4500	35.86	-40.00	38.46	-60.95	-13.00	47.95	184	195	Horizontal
5	11226.5400	33.14	-37.40	39.11	-60.41	-13.00	47.41	172	269	Horizontal
6	13097.6300	32.46	-37.01	39.87	-59.93	-13.00	46.93	168	86	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3742.1800	40.05	-45.68	30.12	-70.77	-13.00	57.77	154	117	Vertical
2	5613.2700	39.23	-45.04	33.07	-68.00	-13.00	55.00	156	163	Vertical
3	7484.3600	38.08	-43.18	36.45	-63.91	-13.00	50.91	125	148	Vertical
4	9355.4500	34.75	-40.00	38.46	-62.06	-13.00	49.06	188	180	Vertical
5	11226.5400	33.43	-37.40	39.11	-60.12	-13.00	47.12	169	42	Vertical
6	13097.6300	32.33	-37.01	39.87	-60.06	-13.00	47.06	191	0	Vertical



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Test Band = NSA 12A-n2A_TM1

Test Channel = High

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3782.1800	40.52	-45.85	30.27	-70.32	-13.00	57.32	225	300	Horizontal
2	5673.2700	39.33	-44.91	33.29	-67.55	-13.00	54.55	146	89	Horizontal
3	7564.3600	37.74	-43.00	36.41	-64.12	-13.00	51.12	194	7	Horizontal
4	9455.4500	35.04	-40.05	38.48	-61.80	-13.00	48.80	185	1	Horizontal
5	11346.5400	32.31	-37.40	39.11	-61.24	-13.00	48.24	143	89	Horizontal
6	13237.6300	31.08	-37.08	39.96	-61.29	-13.00	48.29	173	16	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3782.1800	42.08	-45.85	30.27	-68.76	-13.00	55.76	175	356	Vertical
2	5673.2700	39.33	-44.91	33.29	-67.55	-13.00	54.55	148	145	Vertical
3	7564.3600	38.67	-43.00	36.41	-63.19	-13.00	50.19	133	233	Vertical
4	9455.4500	35.76	-40.05	38.48	-61.08	-13.00	48.08	265	255	Vertical
5	11346.5400	32.61	-37.40	39.11	-60.94	-13.00	47.94	291	329	Vertical
6	13237.6300	31.19	-37.08	39.96	-61.18	-13.00	48.18	148	103	Vertical



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Test Band = NSA 5A-n2A_TM1

Test Channel = Low

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3702.1800	40.34	-45.51	29.98	-70.45	-13.00	57.45	142	118	Horizontal
2	5553.2700	39.12	-45.15	32.97	-68.32	-13.00	55.32	188	224	Horizontal
3	7404.3600	39.01	-43.40	36.49	-63.16	-13.00	50.16	199	133	Horizontal
4	9255.4500	35.57	-40.23	38.38	-61.54	-13.00	48.54	111	0	Horizontal
5	11106.5400	33.18	-37.93	39.09	-60.92	-13.00	47.92	235	195	Horizontal
6	12957.6300	31.98	-37.24	39.79	-60.73	-13.00	47.73	147	357	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3702.1800	40.18	-45.51	29.98	-70.61	-13.00	57.61	221	16	Vertical
2	5553.2700	39.59	-45.15	32.97	-67.85	-13.00	54.85	166	73	Vertical
3	7404.3600	38.73	-43.40	36.49	-63.44	-13.00	50.44	145	1	Vertical
4	9255.4500	35.48	-40.23	38.38	-61.63	-13.00	48.63	196	357	Vertical
5	11106.5400	32.78	-37.93	39.09	-61.32	-13.00	48.32	152	2	Vertical
6	12957.6300	32.15	-37.24	39.79	-60.56	-13.00	47.56	185	2	Vertical



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Test Band = NSA 5A-n2A_TM1

Test Channel = Mid

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3742.1800	40.47	-45.68	30.12	-70.35	-13.00	57.35	147	15	Horizontal
2	5613.2700	39.28	-45.04	33.07	-67.95	-13.00	54.95	185	237	Horizontal
3	7484.3600	37.70	-43.18	36.45	-64.29	-13.00	51.29	196	25	Horizontal
4	9355.4500	35.60	-40.00	38.46	-61.21	-13.00	48.21	172	330	Horizontal
5	11226.5400	32.93	-37.40	39.11	-60.62	-13.00	47.62	143	116	Horizontal
6	13097.6300	32.30	-37.01	39.87	-60.09	-13.00	47.09	211	356	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3742.1800	39.93	-45.68	30.12	-70.89	-13.00	57.89	245	315	Vertical
2	5613.2700	38.98	-45.04	33.07	-68.25	-13.00	55.25	155	255	Vertical
3	7484.3600	38.04	-43.18	36.45	-63.95	-13.00	50.95	132	0	Vertical
4	9355.4500	35.09	-40.00	38.46	-61.72	-13.00	48.72	261	357	Vertical
5	11226.5400	33.11	-37.40	39.11	-60.44	-13.00	47.44	188	224	Vertical
6	13097.6300	31.63	-37.01	39.87	-60.76	-13.00	47.76	179	0	Vertical



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Test Band = NSA 5A-n2A_ TM1
Test Channel = High

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3782.1800	40.57	-45.85	30.27	-70.27	-13.00	57.27	178	58	Horizontal
2	5673.2700	39.26	-44.91	33.29	-67.62	-13.00	54.62	154	134	Horizontal
3	7564.3600	37.68	-43.00	36.41	-64.18	-13.00	51.18	195	209	Horizontal
4	9455.4500	35.68	-40.05	38.48	-61.16	-13.00	48.16	182	29	Horizontal
5	11346.5400	33.54	-37.40	39.11	-60.01	-13.00	47.01	165	356	Horizontal
6	13237.6300	30.86	-37.08	39.96	-61.51	-13.00	48.51	144	239	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3782.1800	40.59	-45.85	30.27	-70.25	-13.00	57.25	142	71	Vertical
2	5673.2700	39.12	-44.91	33.29	-67.76	-13.00	54.76	159	25	Vertical
3	7564.3600	38.28	-43.00	36.41	-63.58	-13.00	50.58	185	316	Vertical
4	9455.4500	35.40	-40.05	38.48	-61.44	-13.00	48.44	142	239	Vertical
5	11346.5400	32.95	-37.40	39.11	-60.60	-13.00	47.60	233	71	Vertical
6	13237.6300	31.88	-37.08	39.96	-60.49	-13.00	47.49	256	356	Vertical

Remark:

1) The field strength is calculated by adding the Antenna Factor, Cable Factor & AMP. The basic equation with a sample calculation is as follows:

AF = Antenna Factor(dB/m)

Factor = Cable Factor(dB) - Preamplifier (dB)

Level = Reading Level + AF + Factor -95.26

Margin = Limit – Level



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Frequency Stability for SA

Test Result

Frequency Error VS. Voltage

Voltage										
Band	SCS	Band width	Modulation	Channel	RB Config	Voltage	Temperature	Deviation (Hz)	Deviation (ppm)	Verdict
N2	15	20	DFT-PI2BPSK	M	Outer_Full	VH	NT	-3.300000	-0.001755	PASS
N2	15	20	DFT-PI2BPSK	M	Outer_Full	VN	NT	1.000000	0.000532	PASS
N2	15	20	DFT-PI2BPSK	M	Outer_Full	VL	NT	-0.300000	-0.000160	PASS
N2	15	20	CP-QPSK	M	Outer_Full	VH	NT	1.600000	0.000851	PASS
N2	15	20	CP-QPSK	M	Outer_Full	VN	NT	1.500000	0.000798	PASS
N2	15	20	CP-QPSK	M	Outer_Full	VL	NT	-2.600000	-0.001383	PASS



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Frequency Error VS. Temperature

Temperature										
Band	SCS	Band width	Modulation	Channel	RB Config	Voltage	Temperature	Deviation (Hz)	Deviation (ppm)	Verdict
N2	15	20	DFT-PI2BPSK	M	Outer_Full	NV	-30	4.000000	0.002128	PASS
N2	15	20	DFT-PI2BPSK	M	Outer_Full	NV	-20	-4.400000	-0.002340	PASS
N2	15	20	DFT-PI2BPSK	M	Outer_Full	NV	-10	-1.200000	-0.000638	PASS
N2	15	20	DFT-PI2BPSK	M	Outer_Full	NV	0	-8.700000	-0.004628	PASS
N2	15	20	DFT-PI2BPSK	M	Outer_Full	NV	10	-2.500000	-0.001330	PASS
N2	15	20	DFT-PI2BPSK	M	Outer_Full	NV	20	-1.500000	-0.000798	PASS
N2	15	20	DFT-PI2BPSK	M	Outer_Full	NV	30	-5.400000	-0.002872	PASS
N2	15	20	DFT-PI2BPSK	M	Outer_Full	NV	40	-4.600000	-0.002447	PASS
N2	15	20	DFT-PI2BPSK	M	Outer_Full	NV	50	-1.600000	-0.000851	PASS
N2	15	20	CP-QPSK	M	Outer_Full	NV	-30	1.900000	0.001011	PASS
N2	15	20	CP-QPSK	M	Outer_Full	NV	-20	2.000000	0.001064	PASS
N2	15	20	CP-QPSK	M	Outer_Full	NV	-10	0.200000	0.000106	PASS
N2	15	20	CP-QPSK	M	Outer_Full	NV	0	2.000000	0.001064	PASS
N2	15	20	CP-QPSK	M	Outer_Full	NV	10	0.500000	0.000266	PASS
N2	15	20	CP-QPSK	M	Outer_Full	NV	20	4.100000	0.002181	PASS
N2	15	20	CP-QPSK	M	Outer_Full	NV	30	-3.100000	-0.001649	PASS
N2	15	20	CP-QPSK	M	Outer_Full	NV	40	1.500000	0.000798	PASS
N2	15	20	CP-QPSK	M	Outer_Full	NV	50	5.100000	0.002713	PASS

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