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Appendix B.19

NR Band n2



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Effective (Isotropic) Radiated Power Output Data for SA

Test Result

Ant14

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Power (dBm)	EIRP (dBm)	Limit	Verdict
N2	15	5	DFT-QPSK	L	Inner_1RB_Left	24.20	22.97	33.00	PASS
N2	15	5	DFT-16QAM	L	Inner_1RB_Left	23.16	21.93	33.00	PASS
N2	15	5	DFT-QPSK	M	Inner_1RB_Left	24.15	22.92	33.00	PASS
N2	15	5	DFT-16QAM	M	Inner_1RB_Left	23.23	22.00	33.00	PASS
N2	15	5	DFT-QPSK	H	Inner_1RB_Left	24.07	22.84	33.00	PASS
N2	15	5	DFT-16QAM	H	Inner_1RB_Left	23.19	21.96	33.00	PASS
N2	15	10	DFT-QPSK	L	Inner_1RB_Left	24.10	22.87	33.00	PASS
N2	15	10	DFT-16QAM	L	Inner_1RB_Left	23.07	21.84	33.00	PASS
N2	15	10	DFT-QPSK	M	Inner_1RB_Left	24.16	22.93	33.00	PASS
N2	15	10	DFT-16QAM	M	Inner_1RB_Left	23.15	21.92	33.00	PASS
N2	15	10	DFT-QPSK	H	Inner_1RB_Left	24.23	23.00	33.00	PASS
N2	15	10	DFT-16QAM	H	Inner_1RB_Left	23.21	21.98	33.00	PASS
N2	15	15	DFT-QPSK	L	Inner_1RB_Left	24.26	23.03	33.00	PASS
N2	15	15	DFT-16QAM	L	Inner_1RB_Left	23.20	21.97	33.00	PASS
N2	15	15	DFT-QPSK	M	Inner_1RB_Left	24.28	23.05	33.00	PASS
N2	15	15	DFT-16QAM	M	Inner_1RB_Left	23.28	22.05	33.00	PASS
N2	15	15	DFT-QPSK	H	Inner_1RB_Left	24.23	23.00	33.00	PASS
N2	15	15	DFT-16QAM	H	Inner_1RB_Left	23.23	22.00	33.00	PASS
N2	15	20	DFT-PI2BPSK	L	Inner_1RB_Left	24.26	23.03	33.00	PASS
N2	15	20	DFT-PI2BPSK	L	Inner_1RB_Right	24.28	23.05	33.00	PASS
N2	15	20	DFT-PI2BPSK	L	Outer_Full	23.73	22.50	33.00	PASS
N2	15	20	DFT-QPSK	L	Inner_1RB_Left	24.09	22.86	33.00	PASS
N2	15	20	DFT-QPSK	L	Inner_1RB_Right	24.21	22.98	33.00	PASS
N2	15	20	DFT-QPSK	L	Outer_Full	23.42	22.19	33.00	PASS
N2	15	20	DFT-16QAM	L	Inner_1RB_Left	23.24	22.01	33.00	PASS
N2	15	20	DFT-16QAM	L	Inner_1RB_Right	23.18	21.95	33.00	PASS
N2	15	20	DFT-16QAM	L	Outer_Full	22.80	21.57	33.00	PASS
N2	15	20	DFT-64QAM	L	Inner_1RB_Left	22.32	21.09	33.00	PASS
N2	15	20	DFT-64QAM	L	Inner_1RB_Right	22.23	21.00	33.00	PASS
N2	15	20	DFT-64QAM	L	Outer_Full	22.18	20.95	33.00	PASS



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N2	15	20	DFT-256QAM	L	Inner_1RB_Left	20.79	19.56	33.00	PASS
N2	15	20	DFT-256QAM	L	Inner_1RB_Right	20.64	19.41	33.00	PASS
N2	15	20	DFT-256QAM	L	Outer_Full	21.33	20.10	33.00	PASS
N2	15	20	DFT-PI2BPSK	M	Inner_1RB_Left	24.22	22.99	33.00	PASS
N2	15	20	DFT-PI2BPSK	M	Inner_1RB_Right	24.23	23.00	33.00	PASS
N2	15	20	DFT-PI2BPSK	M	Outer_Full	23.79	22.56	33.00	PASS
N2	15	20	DFT-QPSK	M	Inner_1RB_Left	24.16	22.93	33.00	PASS
N2	15	20	DFT-QPSK	M	Inner_1RB_Right	24.15	22.92	33.00	PASS
N2	15	20	DFT-QPSK	M	Outer_Full	23.62	22.39	33.00	PASS
N2	15	20	DFT-16QAM	M	Inner_1RB_Left	23.25	22.02	33.00	PASS
N2	15	20	DFT-16QAM	M	Inner_1RB_Right	23.22	21.99	33.00	PASS
N2	15	20	DFT-16QAM	M	Outer_Full	22.76	21.53	33.00	PASS
N2	15	20	DFT-64QAM	M	Inner_1RB_Left	22.36	21.13	33.00	PASS
N2	15	20	DFT-64QAM	M	Inner_1RB_Right	22.31	21.08	33.00	PASS
N2	15	20	DFT-64QAM	M	Outer_Full	21.44	20.21	33.00	PASS
N2	15	20	DFT-256QAM	M	Inner_1RB_Left	20.62	19.39	33.00	PASS
N2	15	20	DFT-256QAM	M	Inner_1RB_Right	20.70	19.47	33.00	PASS
N2	15	20	DFT-256QAM	M	Outer_Full	21.23	20.00	33.00	PASS
N2	15	20	DFT-PI2BPSK	H	Inner_1RB_Left	24.23	23.00	33.00	PASS
N2	15	20	DFT-PI2BPSK	H	Inner_1RB_Right	24.16	22.93	33.00	PASS
N2	15	20	DFT-PI2BPSK	H	Outer_Full	23.75	22.52	33.00	PASS
N2	15	20	DFT-QPSK	H	Inner_1RB_Left	24.07	22.84	33.00	PASS
N2	15	20	DFT-QPSK	H	Inner_1RB_Right	24.13	22.90	33.00	PASS
N2	15	20	DFT-QPSK	H	Outer_Full	23.45	22.22	33.00	PASS
N2	15	20	DFT-16QAM	H	Inner_1RB_Left	23.18	21.95	33.00	PASS
N2	15	20	DFT-16QAM	H	Inner_1RB_Right	23.21	21.98	33.00	PASS
N2	15	20	DFT-16QAM	H	Outer_Full	22.79	21.56	33.00	PASS
N2	15	20	DFT-64QAM	H	Inner_1RB_Left	22.14	20.91	33.00	PASS
N2	15	20	DFT-64QAM	H	Inner_1RB_Right	22.27	21.04	33.00	PASS
N2	15	20	DFT-64QAM	H	Outer_Full	22.05	20.82	33.00	PASS
N2	15	20	DFT-256QAM	H	Inner_1RB_Left	20.69	19.46	33.00	PASS
N2	15	20	DFT-256QAM	H	Inner_1RB_Right	20.66	19.43	33.00	PASS
N2	15	20	DFT-256QAM	H	Outer_Full	21.20	19.97	33.00	PASS



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Peak-to-Average Ratio for SA

Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result	Limit	Verdict
N2	15	20	DFT-256QAM	L	Outer_Full	6.37	≤13	PASS
N2	15	20	CP-256QAM	L	Outer_Full	6.36	≤13	PASS
N2	15	20	DFT-256QAM	M	Outer_Full	6.36	≤13	PASS
N2	15	20	CP-256QAM	M	Outer_Full	6.37	≤13	PASS
N2	15	20	DFT-256QAM	H	Outer_Full	6.39	≤13	PASS
N2	15	20	CP-256QAM	H	Outer_Full	6.36	≤13	PASS



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Test Graphs



1-N2-PC3-15-20-L-1-DFT-256QAM-Outer_Full-100@
0-Ant14-6.37-PASS-≤13



1-N2-PC3-15-20-L-2-CP-256QAM-Outer_Full-106@
0-Ant14-6.36-PASS-≤13



1-N2-PC3-15-20-M-1-DFT-256QAM-Outer_Full-100
@0-Ant14-6.36-PASS-≤13



1-N2-PC3-15-20-M-2-CP-256QAM-Outer_Full-106
@0-Ant14-6.37-PASS-≤13



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1-N2-PC3-15-20-H-1-DFT-256QAM-Outer_Full-100
@0-Ant14-6.39-PASS-≤13



1-N2-PC3-15-20-H-2-CP-256QAM-Outer_Full-106@
0-Ant14-6.36-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
N2	15	5	DFT-QPSK	M	Outer_Full	4.585	5.120	PASS
N2	15	5	DFT-PI2BPSK	M	Outer_Full	4.565	5.130	PASS
N2	15	5	DFT-16QAM	M	Outer_Full	4.575	5.280	PASS
N2	15	5	DFT-64QAM	M	Outer_Full	4.625	5.110	PASS
N2	15	5	DFT-256QAM	M	Outer_Full	4.645	5.460	PASS
N2	15	5	CP-QPSK	M	Outer_Full	4.615	5.500	PASS
N2	15	5	CP-16QAM	M	Outer_Full	4.575	5.100	PASS
N2	15	5	CP-64QAM	M	Outer_Full	4.575	5.290	PASS
N2	15	5	CP-256QAM	M	Outer_Full	4.575	5.280	PASS
N2	15	10	DFT-QPSK	M	Outer_Full	8.971	9.920	PASS
N2	15	10	DFT-PI2BPSK	M	Outer_Full	8.918	9.70	PASS
N2	15	10	DFT-16QAM	M	Outer_Full	9.231	10.340	PASS
N2	15	10	DFT-64QAM	M	Outer_Full	9.011	9.720	PASS
N2	15	10	DFT-256QAM	M	Outer_Full	8.971	9.760	PASS
N2	15	10	CP-QPSK	M	Outer_Full	9.351	10.300	PASS
N2	15	10	CP-16QAM	M	Outer_Full	9.351	10.160	PASS
N2	15	10	CP-64QAM	M	Outer_Full	9.291	10.080	PASS
N2	15	10	CP-256QAM	M	Outer_Full	9.371	10.420	PASS
N2	15	15	DFT-QPSK	M	Outer_Full	13.427	14.250	PASS
N2	15	15	DFT-PI2BPSK	M	Outer_Full	13.427	14.190	PASS
N2	15	15	DFT-16QAM	M	Outer_Full	13.427	14.220	PASS
N2	15	15	DFT-64QAM	M	Outer_Full	13.367	14.310	PASS
N2	15	15	DFT-256QAM	M	Outer_Full	13.427	14.220	PASS
N2	15	15	CP-QPSK	M	Outer_Full	14.086	14.730	PASS
N2	15	15	CP-16QAM	M	Outer_Full	14.116	14.820	PASS
N2	15	15	CP-64QAM	M	Outer_Full	14.176	14.910	PASS
N2	15	15	CP-256QAM	M	Outer_Full	14.086	14.790	PASS
N2	15	20	DFT-QPSK	M	Outer_Full	17.862	18.640	PASS
N2	15	20	DFT-PI2BPSK	M	Outer_Full	17.902	18.800	PASS



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N2	15	20	DFT-16QAM	M	Outer_Full	17.862	18.640	PASS
N2	15	20	DFT-64QAM	M	Outer_Full	17.902	18.800	PASS
N2	15	20	DFT-256QAM	M	Outer_Full	17.862	18.760	PASS
N2	15	20	CP-QPSK	M	Outer_Full	18.941	19.720	PASS
N2	15	20	CP-16QAM	M	Outer_Full	18.901	19.800	PASS
N2	15	20	CP-64QAM	M	Outer_Full	18.901	19.960	PASS
N2	15	20	CP-256QAM	M	Outer_Full	18.981	19.880	PASS



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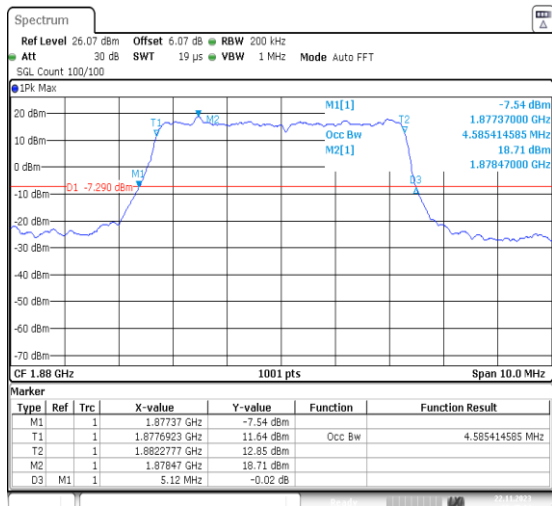
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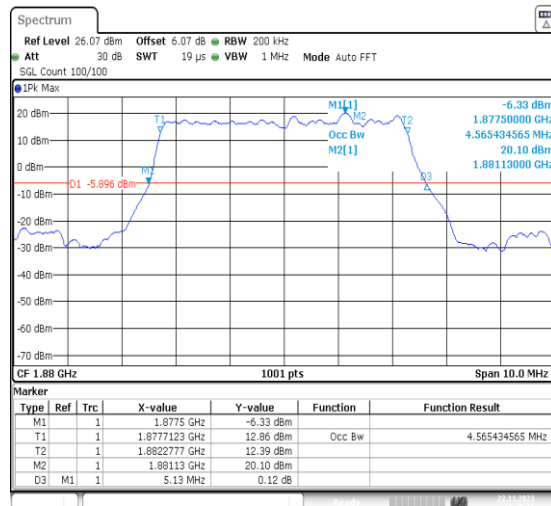
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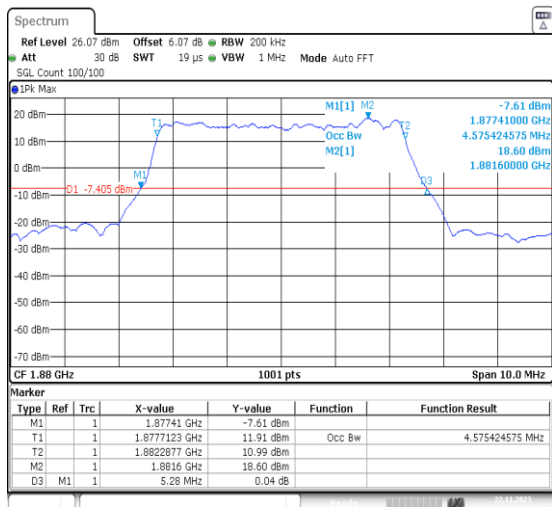
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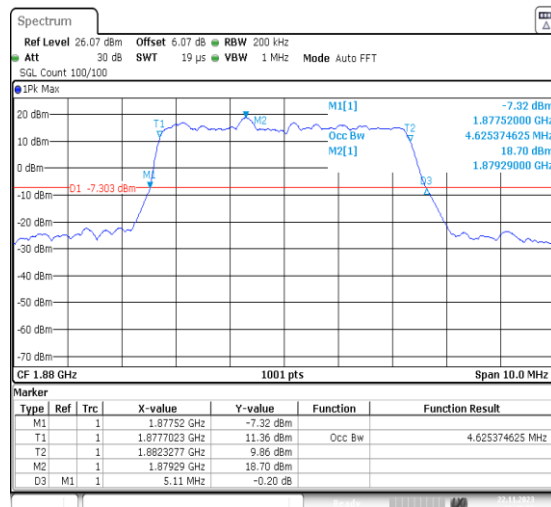
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1-N2-PC3-15-5-M-3-DFT-16QAM-Outer_Full-25@0-Ant14-4.575-5.280-≤5-PASS



1-N2-PC3-15-5-M-4-DFT-64QAM-Outer_Full-25@0-Ant14-4.625-5.110-≤5-PASS



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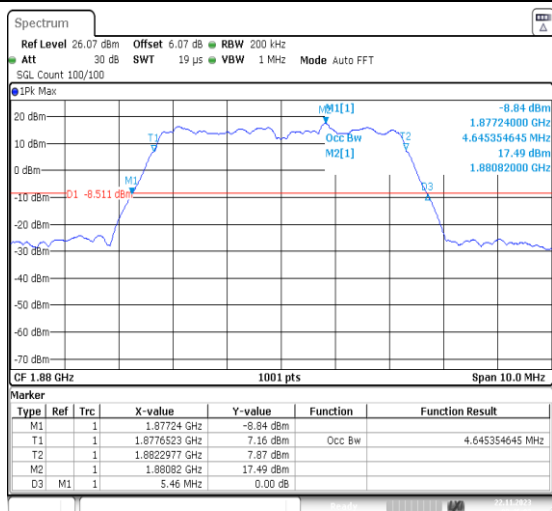
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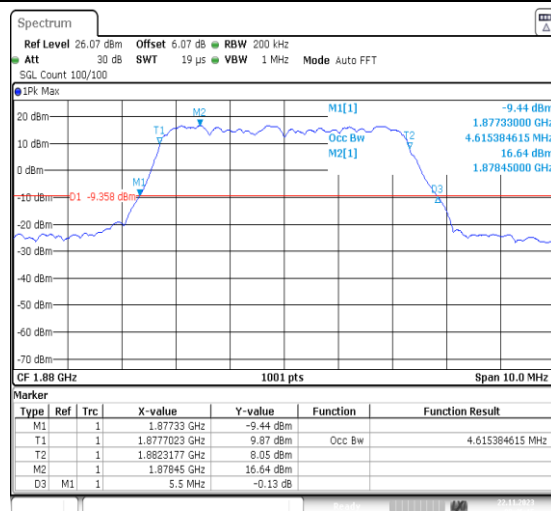
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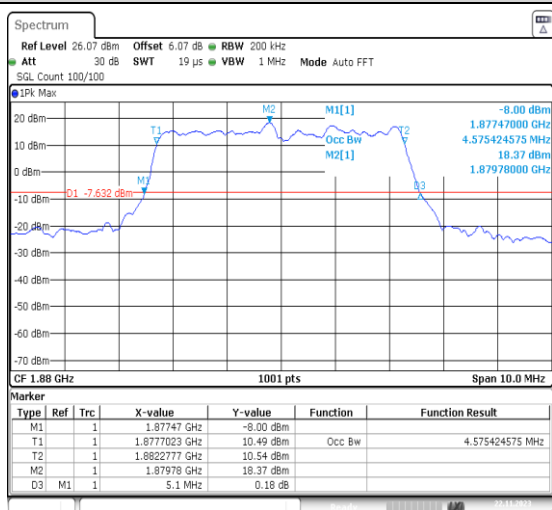
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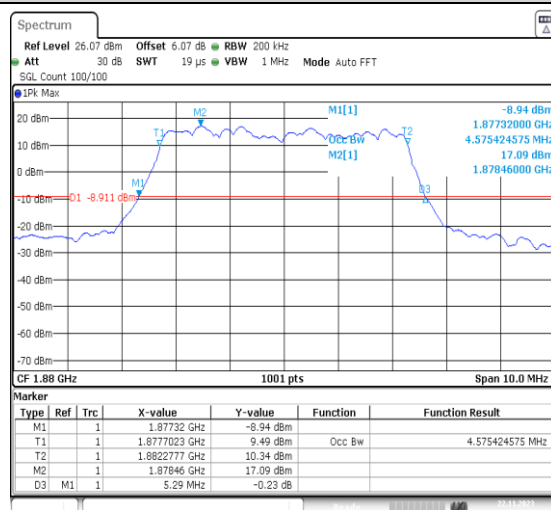
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1-N2-PC3-15-5-M-6-CP-QPSK-Outet_Full-25@0-Ant14-4.615-5.500-≤5-PASS



1-N2-PC3-15-5-M-7-CP-16QAM-Outet_Full-25@0-Ant14-4.575-5.100-≤5-PASS



1-N2-PC3-15-5-M-8-CP-64QAM-Outet_Full-25@0-Ant14-4.575-5.290-≤5-PASS



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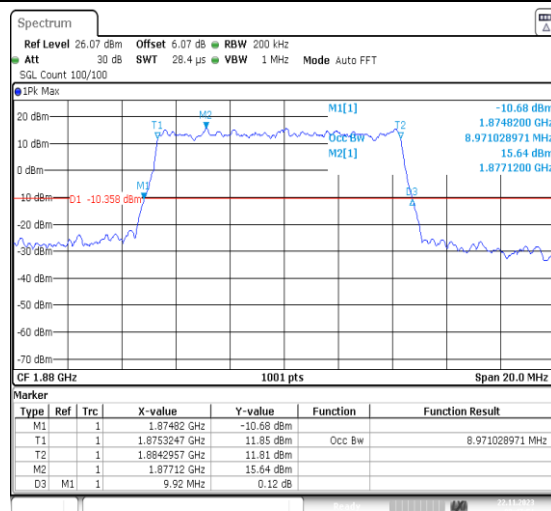
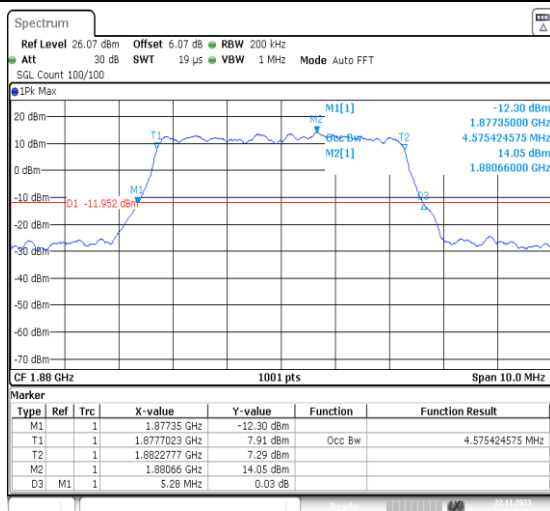
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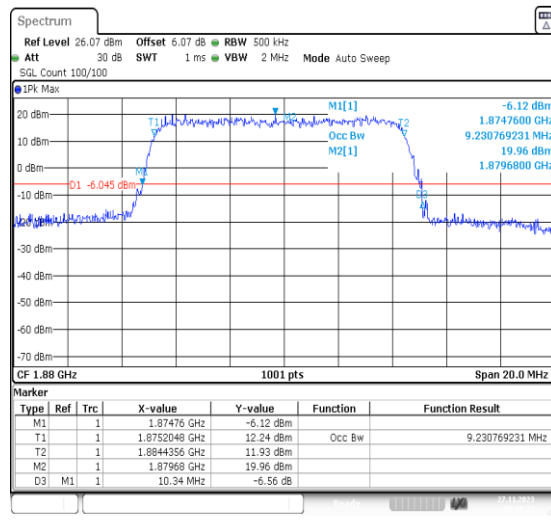
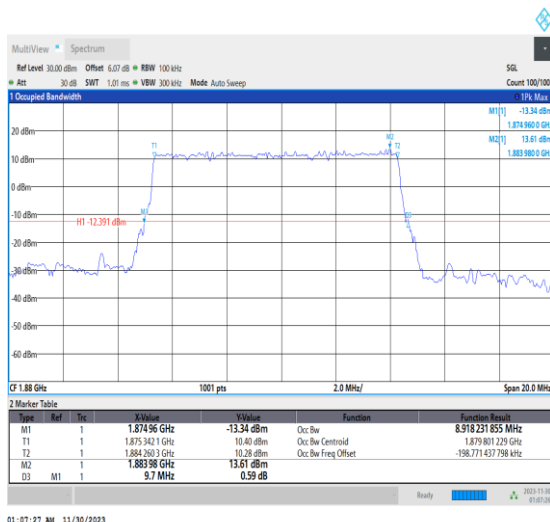
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1-N2-PC3-15-5-M-9-CP-256QAM-Outer_Full-25@0-Ant14-4.575-5.280-≤5-PASS

1-N2-PC3-15-10-M-1-DFT-QPSK-Outer_Full-50@0-Ant14-8.971-9.920-≤10-PASS



1-N2-PC3-15-10-M-2-DFT-PI2BPSK-Outer_Full-50@0-Ant14-8.918-9.7-≤10-PASS

1-N2-PC3-15-10-M-3-DFT-16QAM-Outer_Full-50@0-Ant14-9.231-10.340-≤10-PASS



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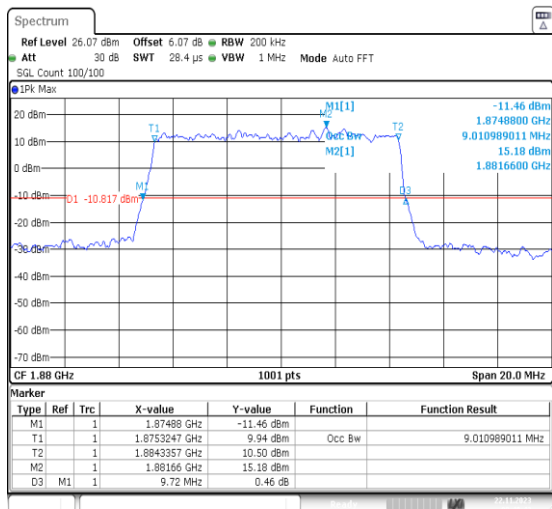
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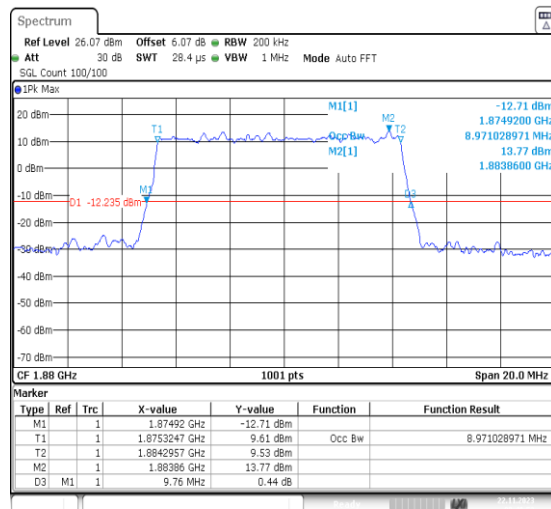
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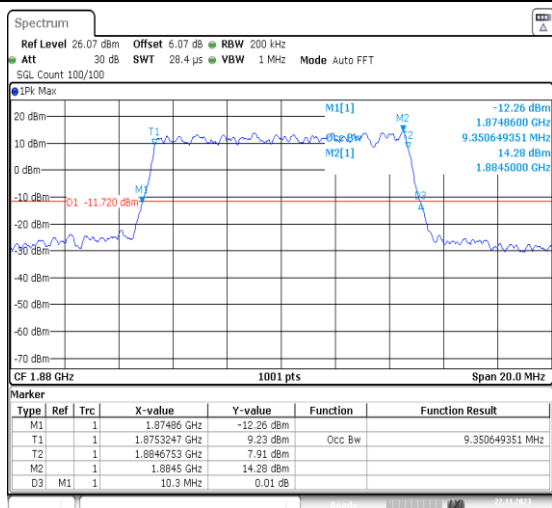
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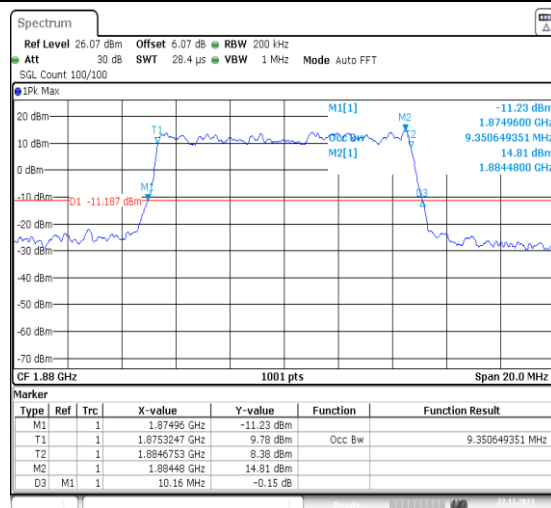
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1-N2-PC3-15-10-M-5-DFT-256QAM-Outer_Full-50@0
0-Ant14-8.971-9.760-≤10-PASS



1-N2-PC3-15-10-M-6-CP-QPSK-Outer_Full-52@0-A
nt14-9.351-10.300-≤10-PASS



1-N2-PC3-15-10-M-7-CP-16QAM-Outer_Full-52@0-
Ant14-9.351-10.160-≤10-PASS



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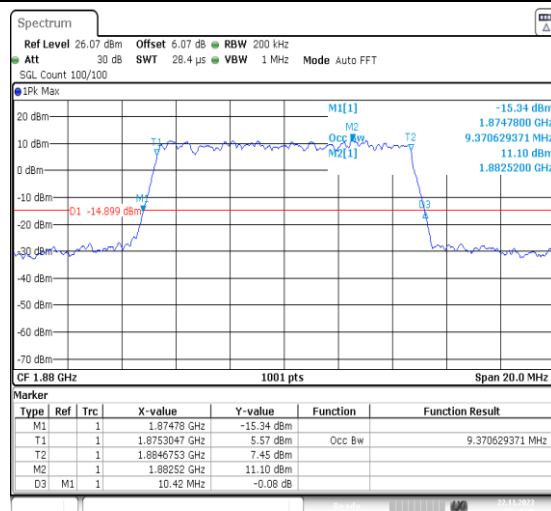
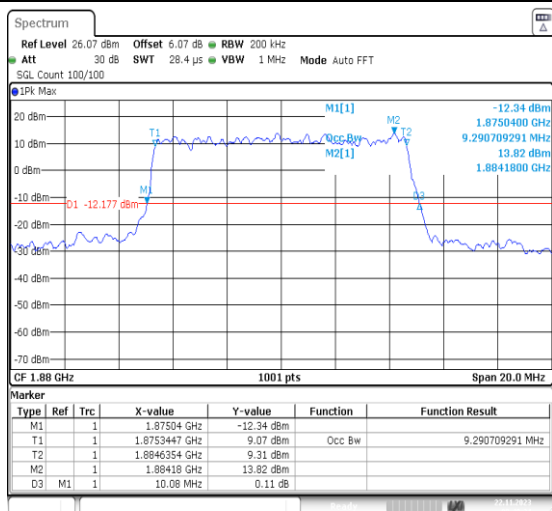
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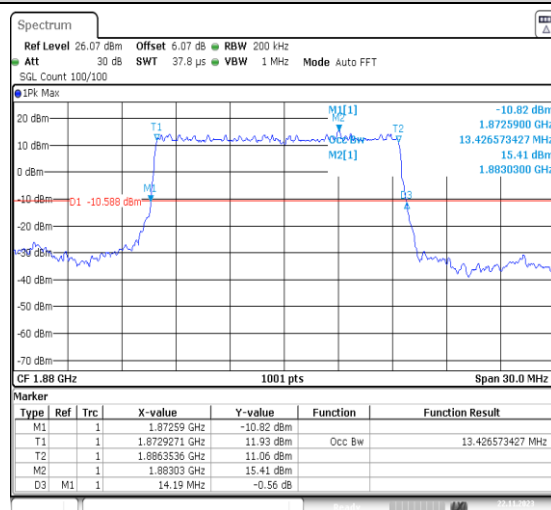
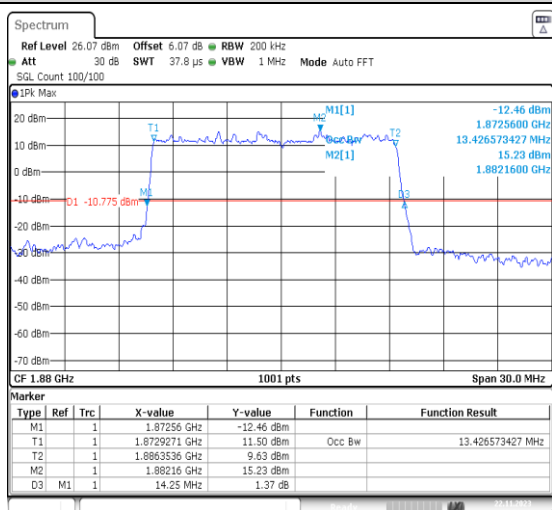
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1-N2-PC3-15-15-M-1-DFT-QPSK-Outer_Full-75@0-Ant14-13.427-14.250-≤15-PASS

1-N2-PC3-15-15-M-2-DFT-PI2BPSK-Outer_Full-75@0-Ant14-13.427-14.190-≤15-PASS



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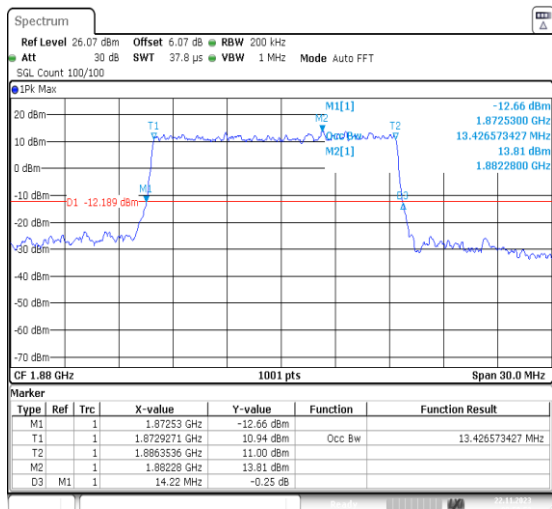
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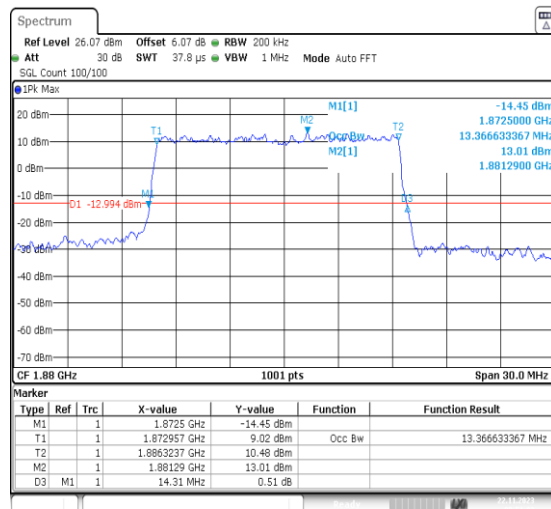
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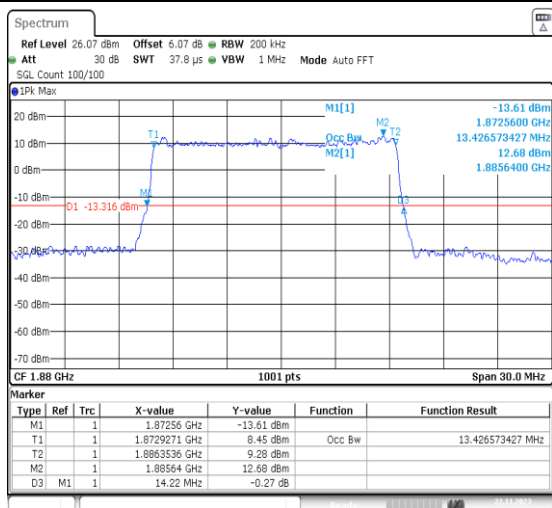
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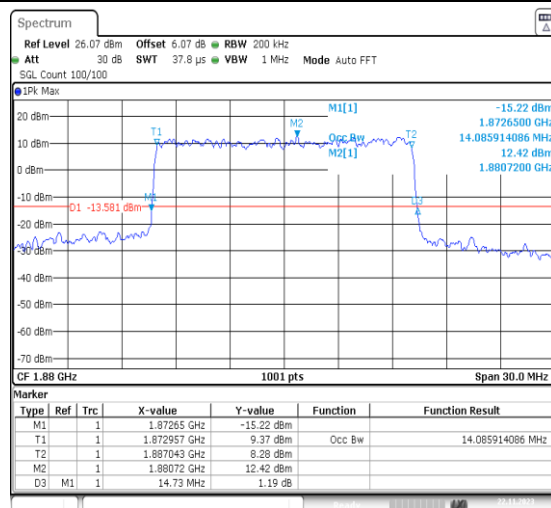
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-Ant14-13.367-14.310-≤15-PASS



1-N2-PC3-15-15-M-5-DFT-256QAM-Outer_Full-75@0
-Ant14-13.427-14.220-≤15-PASS



1-N2-PC3-15-15-M-6-CP-QPSK-Outer_Full-79@0-A
nt14-14.086-14.730-≤15-PASS



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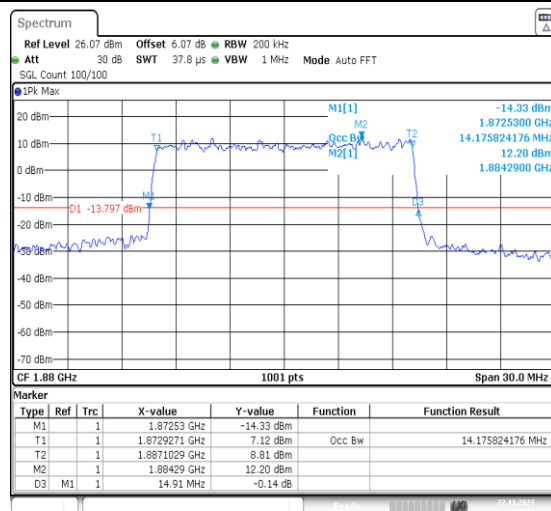
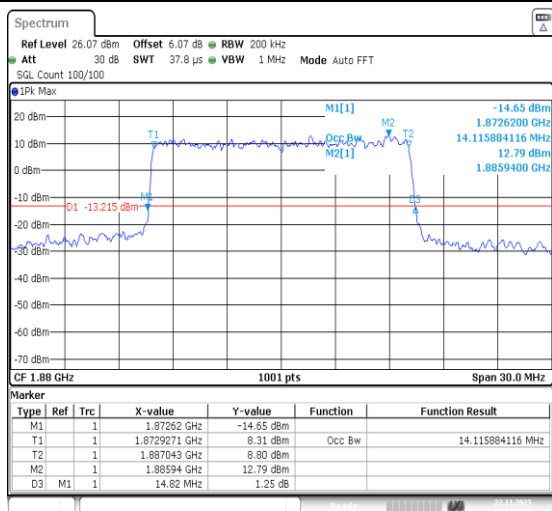
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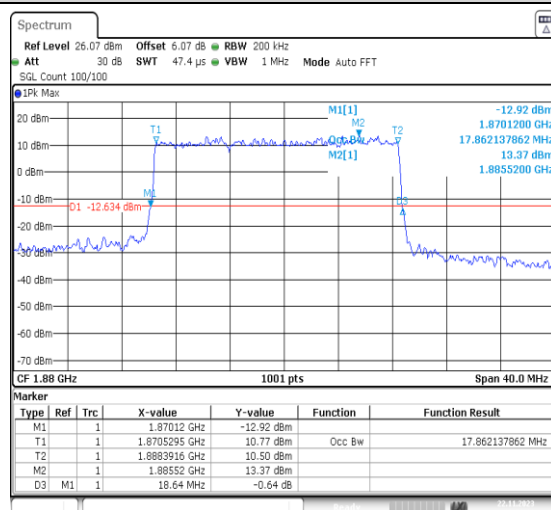
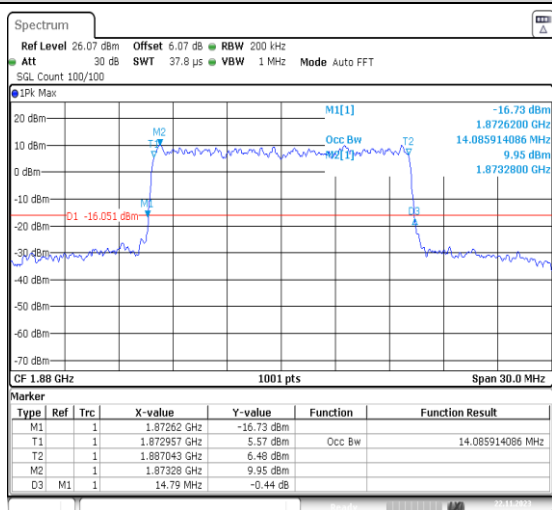
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Ant14-14.116-14.820-≤15-PASS

1-N2-PC3-15-15-M-8-CP-64QAM-Outer_Full-79@0-
Ant14-14.176-14.910-≤15-PASS



1-N2-PC3-15-15-M-9-CP-256QAM-Outer_Full-79@0
-Ant14-14.086-14.790-≤15-PASS

1-N2-PC3-15-20-M-1-DFT-QPSK-Outer_Full-100@0
-Ant14-17.862-18.640-≤20-PASS



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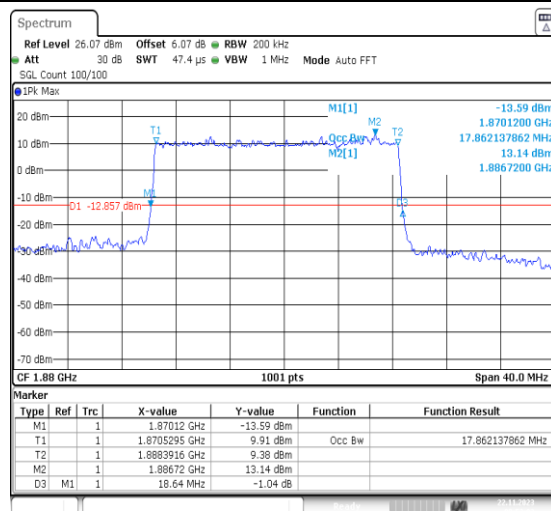
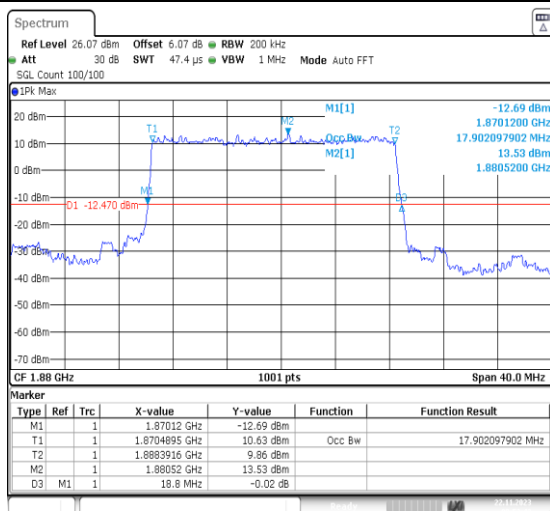
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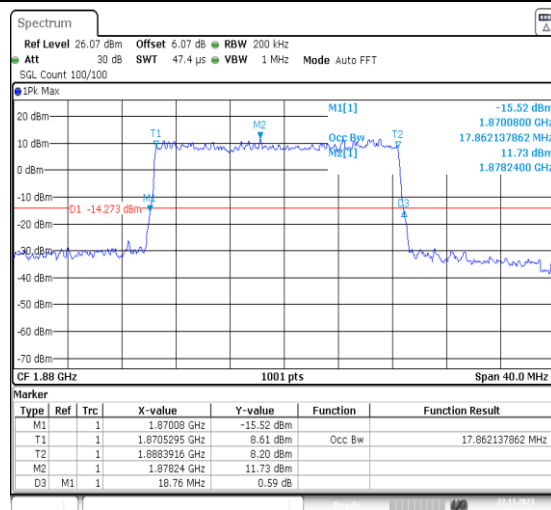
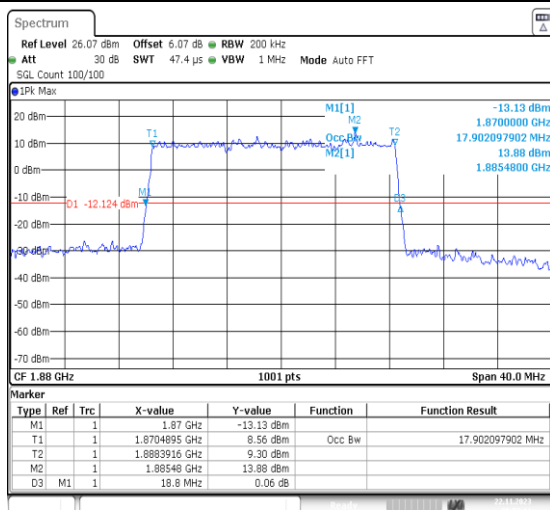
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1-N2-PC3-15-20-M-2-DFT-PI2BPSK-Outer_Full-100
@0-Ant14-17.902-18.800-≤20-PASS

1-N2-PC3-15-20-M-3-DFT-16QAM-Outer_Full-100@
0-Ant14-17.862-18.640-≤20-PASS



1-N2-PC3-15-20-M-4-DFT-64QAM-Outer_Full-100@
0-Ant14-17.902-18.800-≤20-PASS

1-N2-PC3-15-20-M-5-DFT-256QAM-Outer_Full-100
@0-Ant14-17.862-18.760-≤20-PASS



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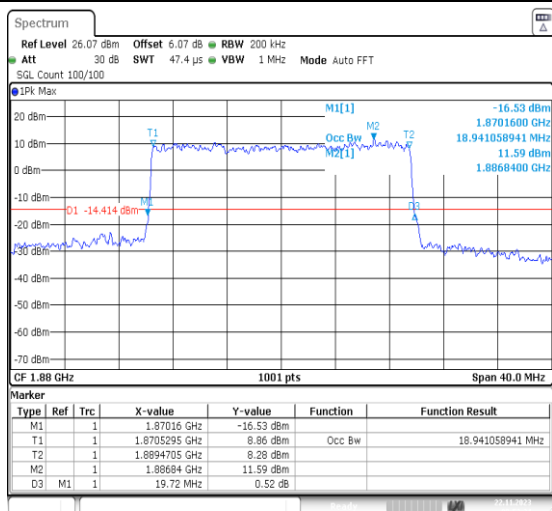
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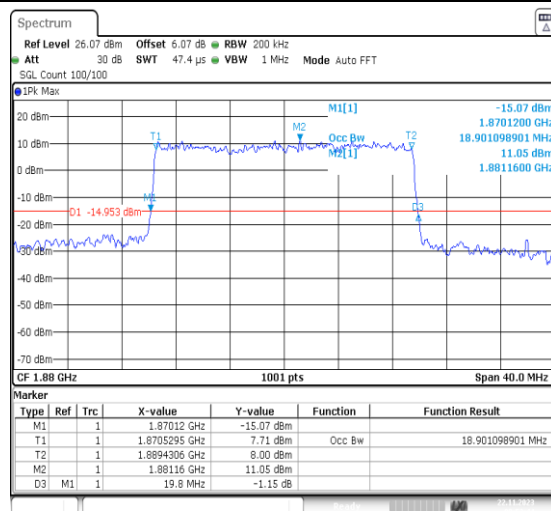
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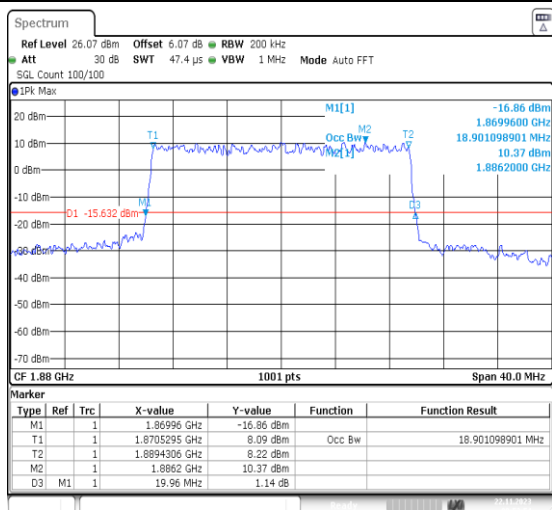
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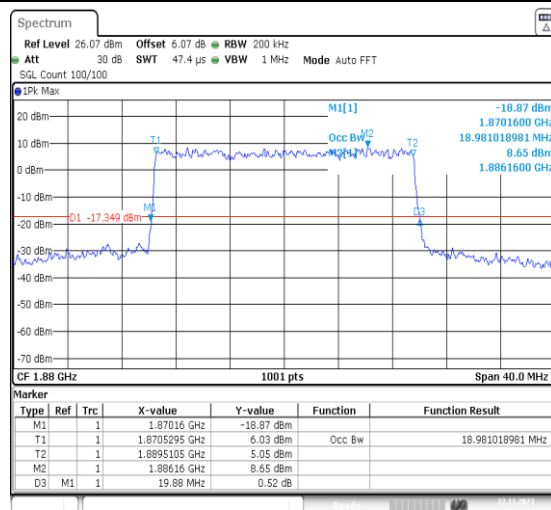
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Ant14-18.901-19.960-≤20-PASS



1-N2-PC3-15-20-M-9-CP-256QAM-Outer_Full-106@0-
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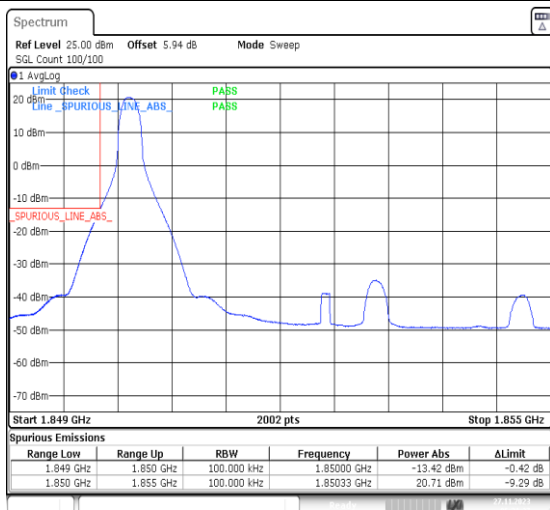
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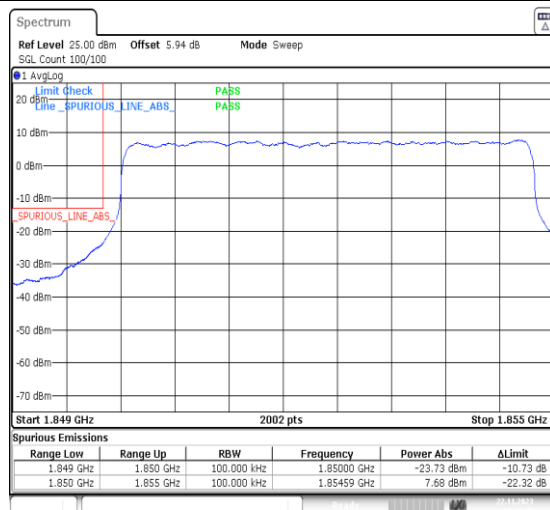
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Band Edge for SA

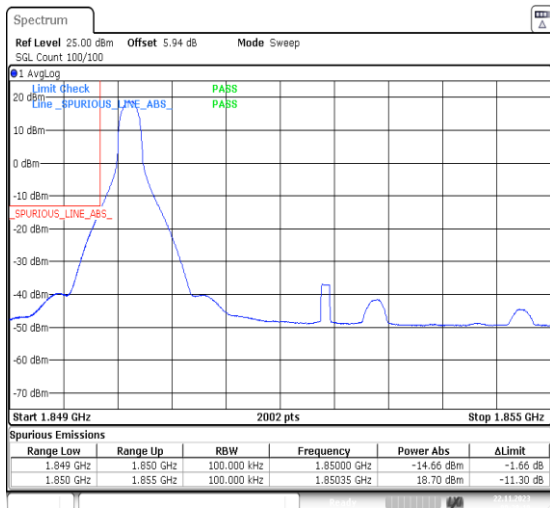
Test Graphs



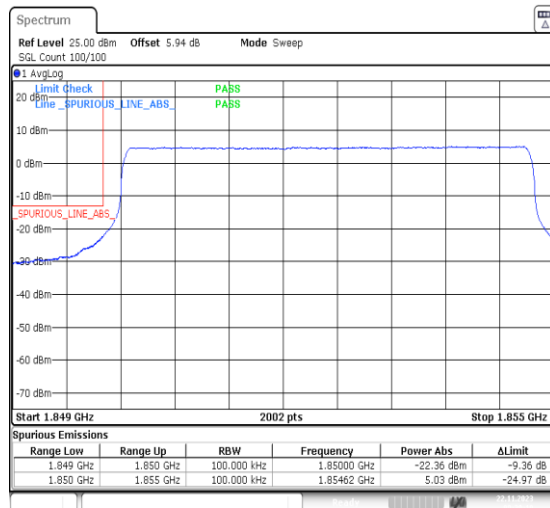
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@0-Ant14-1-seegraph-PASS-see graph



1-N2-PC3-15-5-L-4-CP-QPSK-Edge_1RB_Left-1@0-A
nt14-1-seegraph-PASS-see graph



1-N2-PC3-15-5-L-6-CP-QPSK-Outer_Full-25@0-A
nt14-1-seegraph-PASS-see graph



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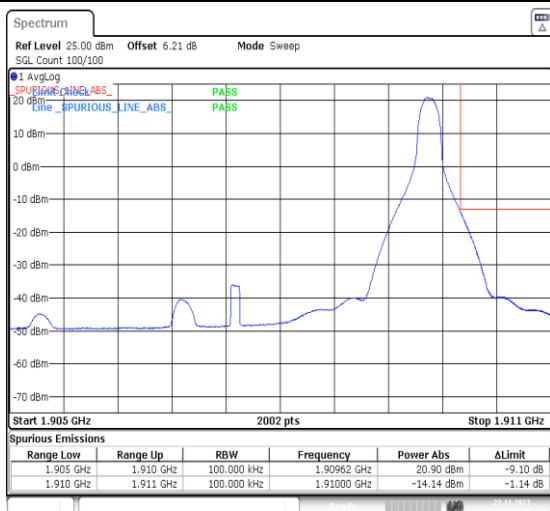
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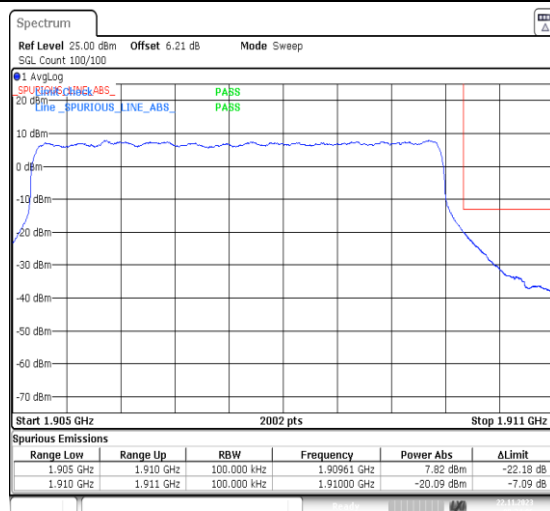
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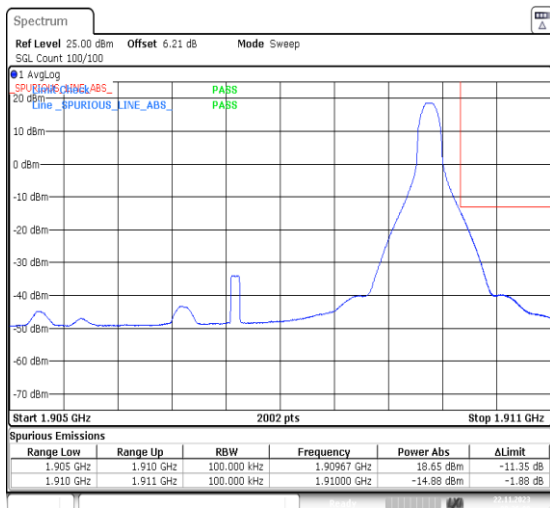
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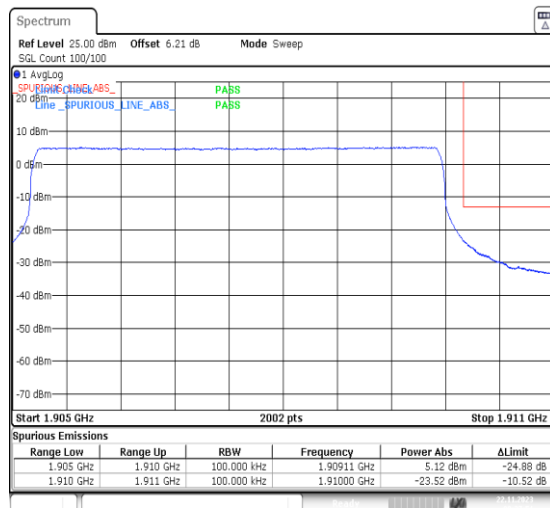
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4-Ant14-1-seegraph-PASS-see graph



1-N2-PC3-15-5-H-6-CP-QPSK-Outer_Full-25@0-A
nt14-1-seegraph-PASS-see graph



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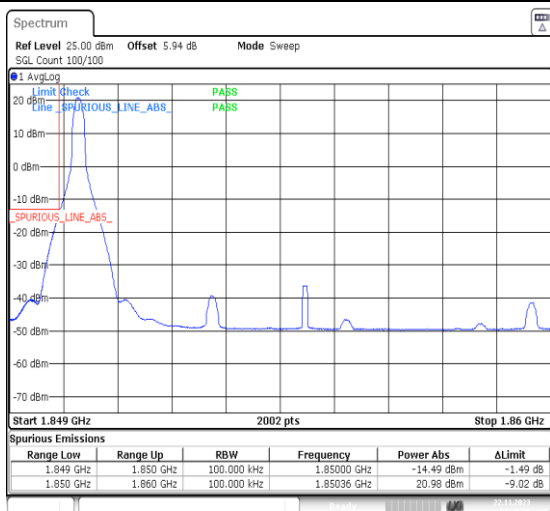
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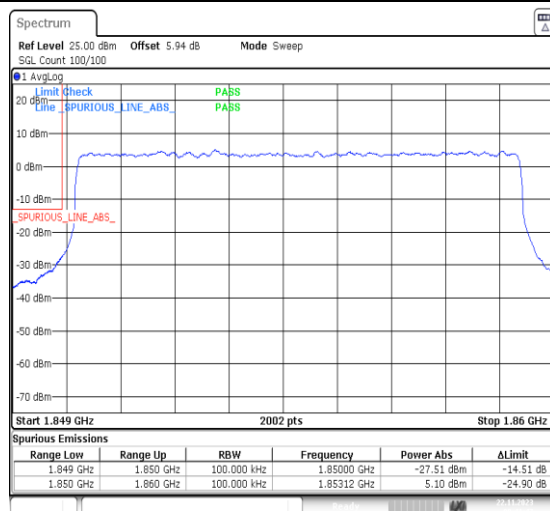
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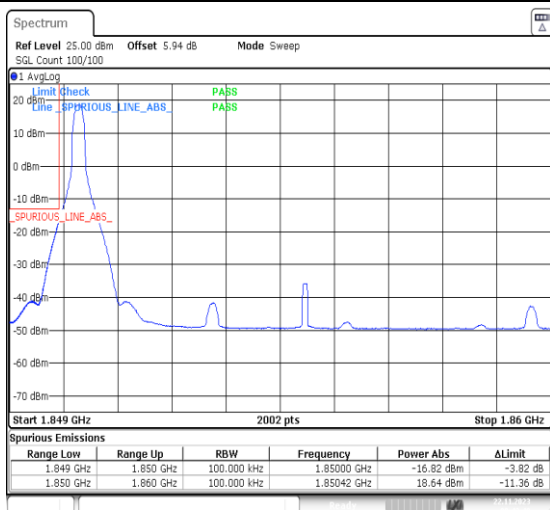
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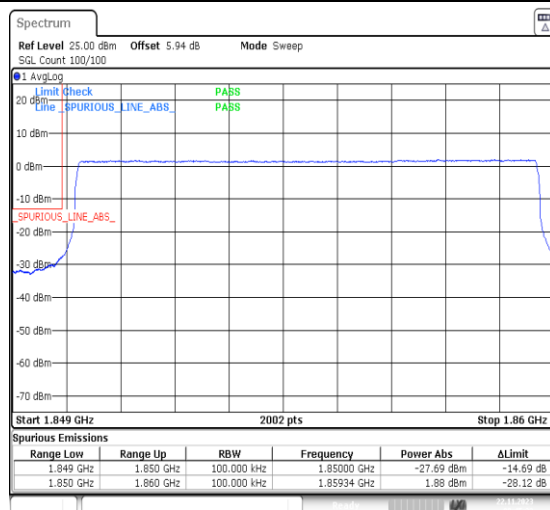
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1-N2-PC3-15-10-L-6-CP-QPSK-Outer_Full-52@0-Ant14-1-seegraph-PASS-see graph



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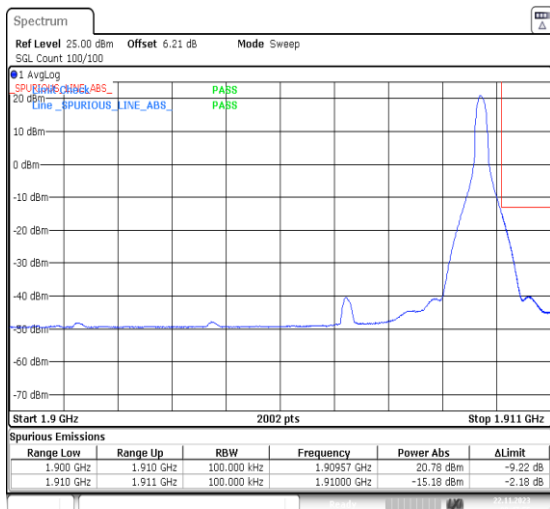
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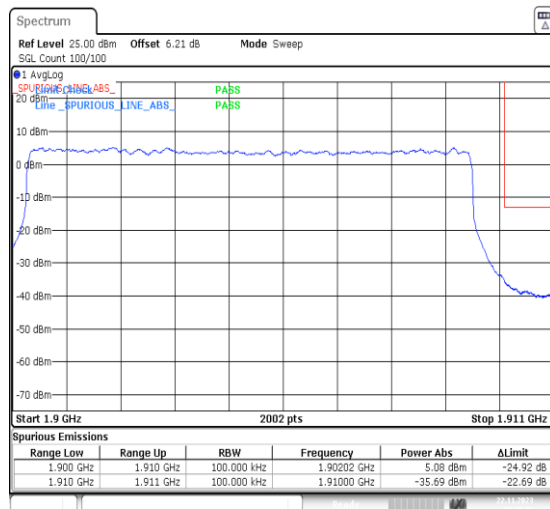
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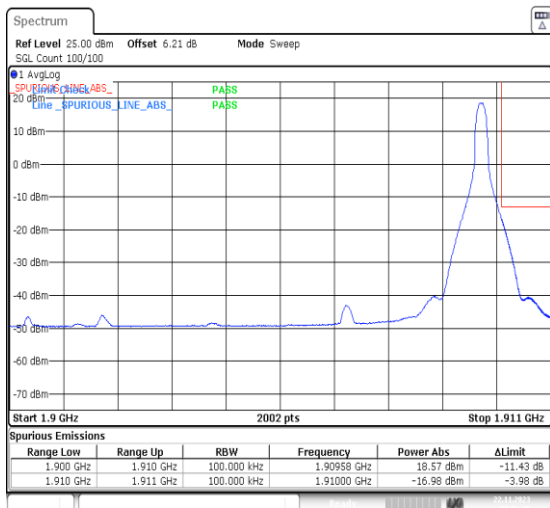
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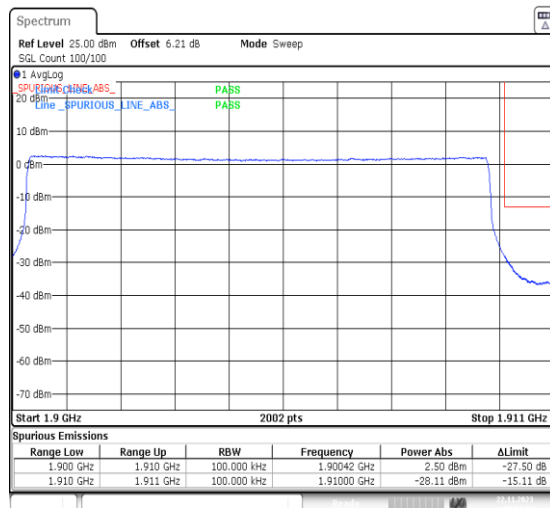
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1-N2-PC3-15-10-H-6-CP-QPSK-Outer_Full-52@0-Ant14-1-seegraph-PASS-see graph



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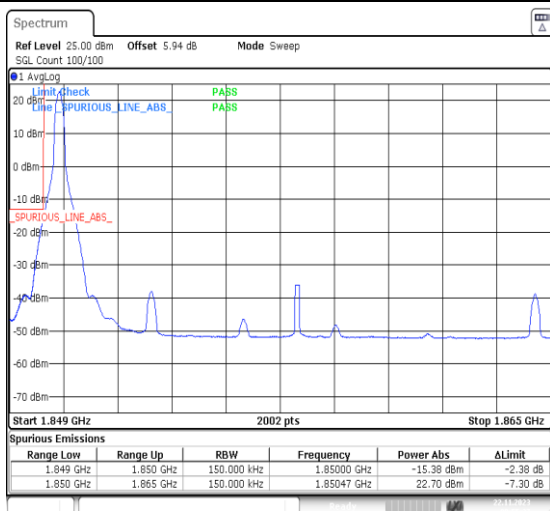
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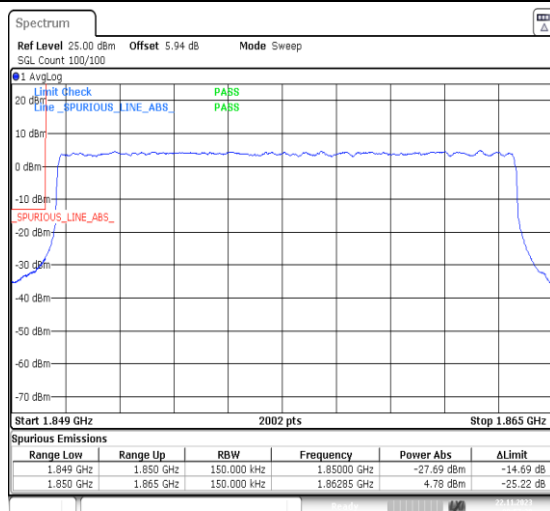
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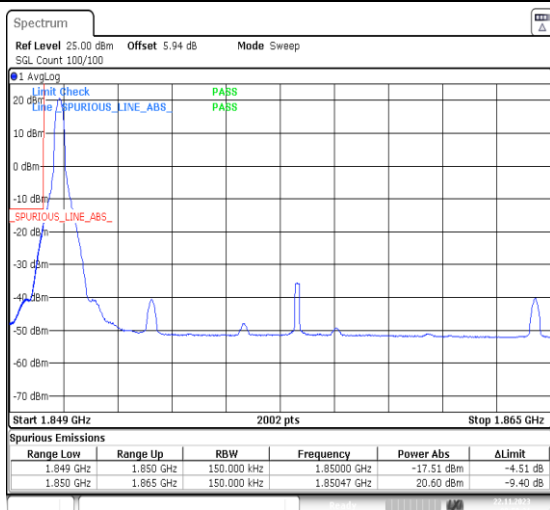
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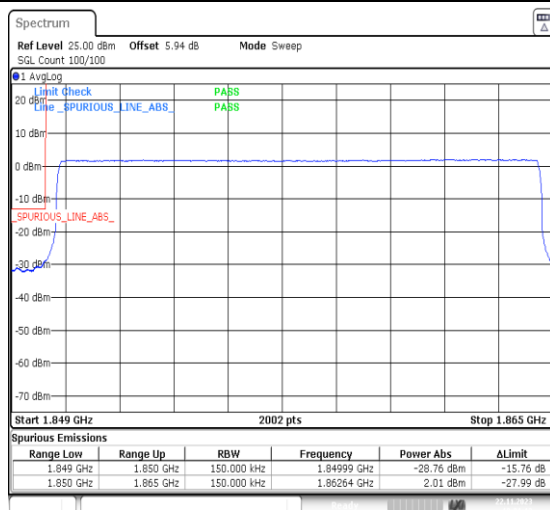
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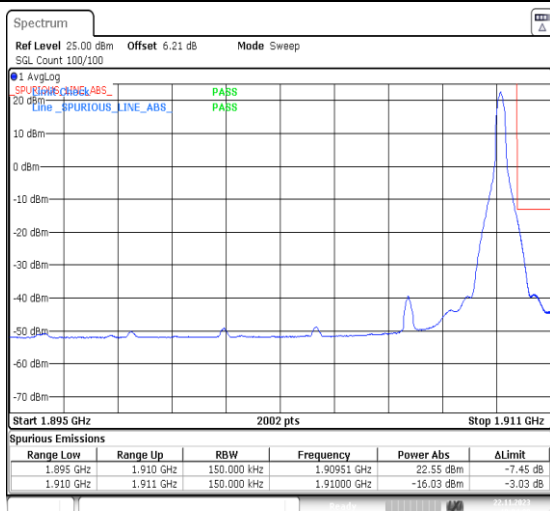
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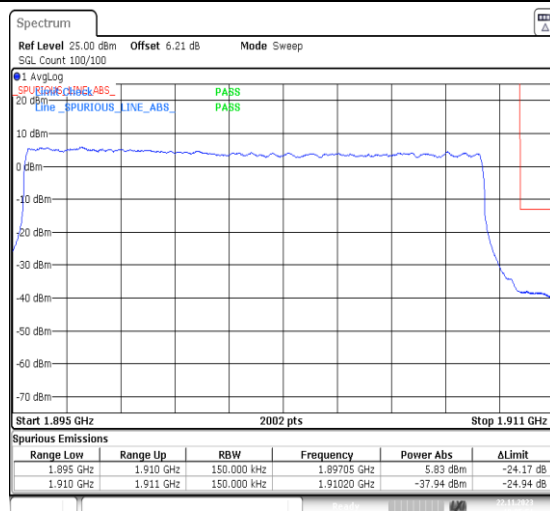
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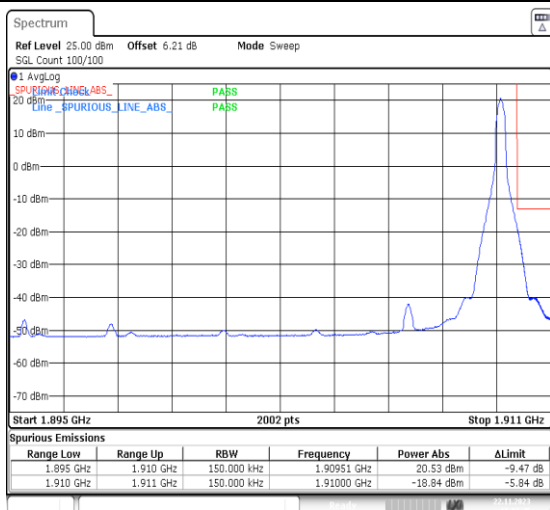
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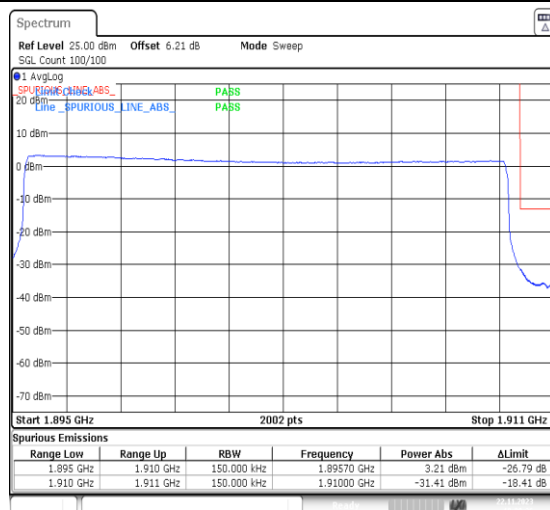
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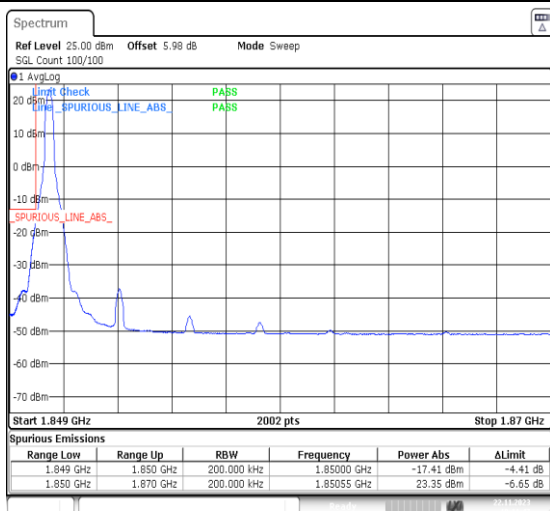
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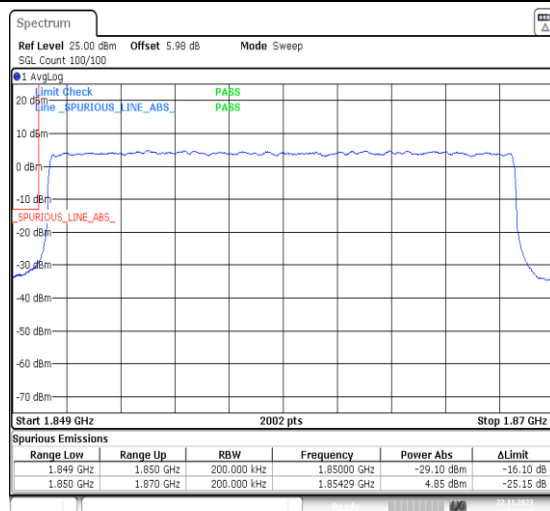
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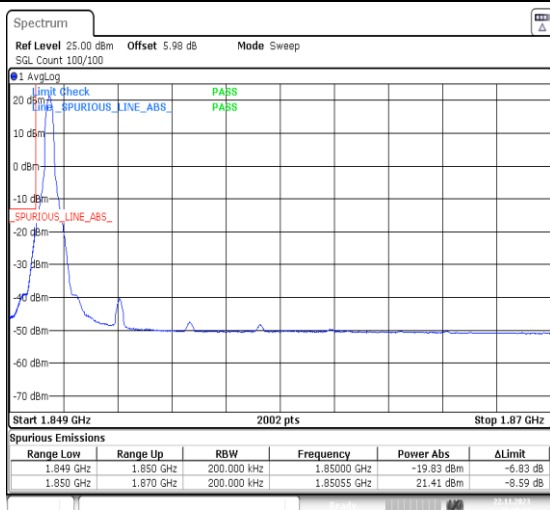
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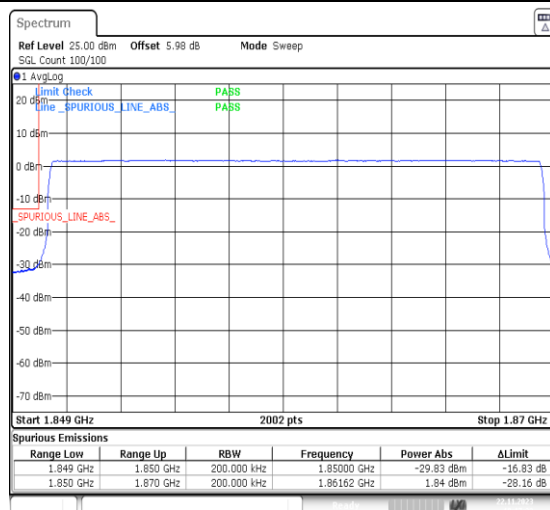
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0@0-Ant14-1-seegraph-PASS-see graph



1-N2-PC3-15-20-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant14-1-seegraph-PASS-see graph



1-N2-PC3-15-20-L-6-CP-QPSK-Outer_Full-106@0-Ant14-1-seegraph-PASS-see graph



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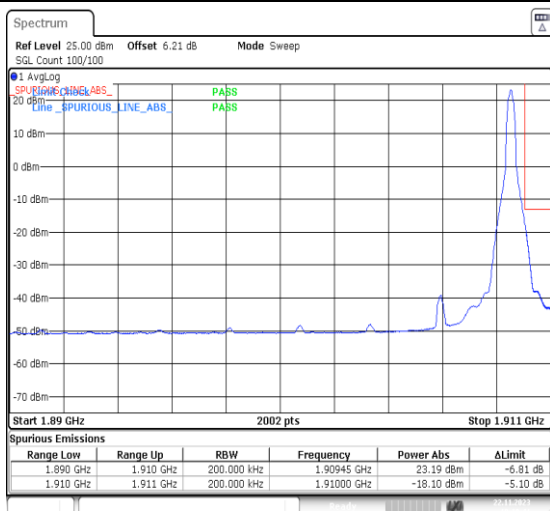
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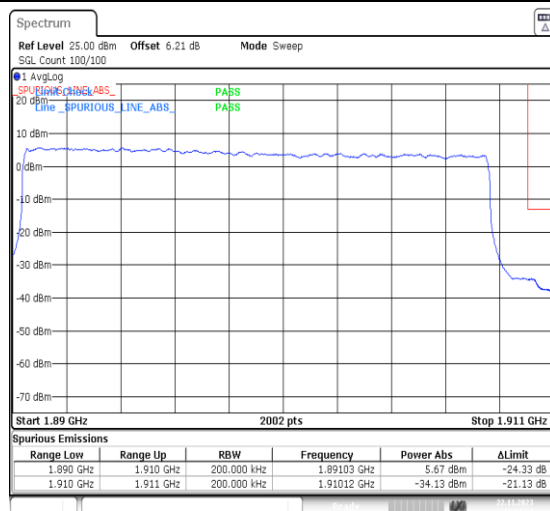
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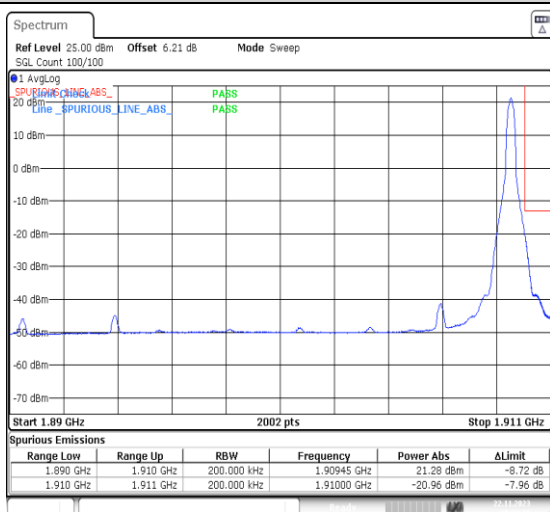
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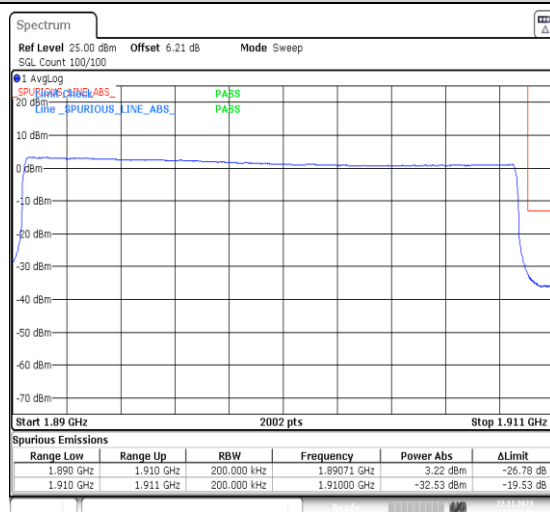
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1-N2-PC3-15-20-H-5-CP-QPSK-Edge_1RB_Right-1@105-Ant14-1-seegraph-PASS-see graph



1-N2-PC3-15-20-H-6-CP-QPSK-Outer_Full-106@0-Ant14-1-seegraph-PASS-see graph



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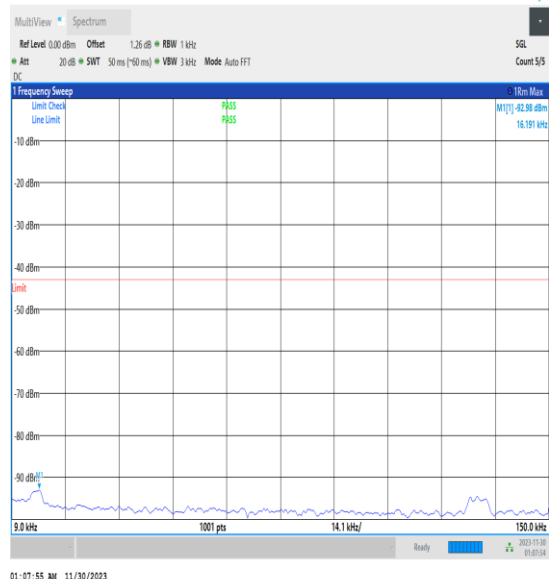
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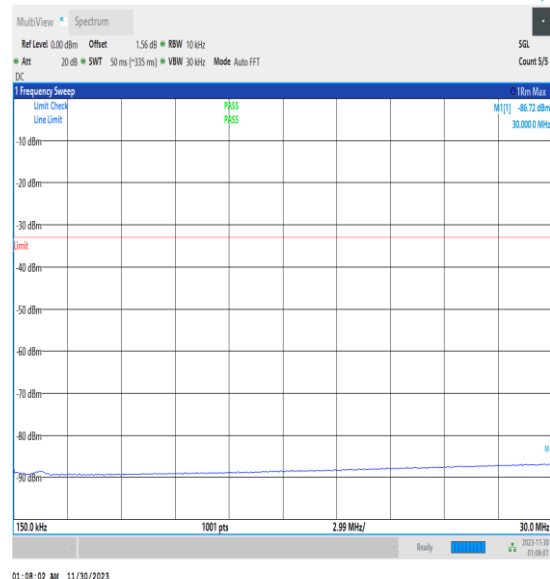
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Conducted Spurious Emission for SA

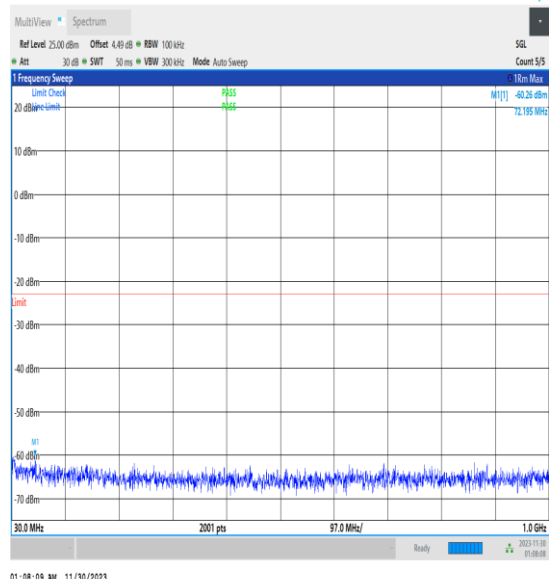
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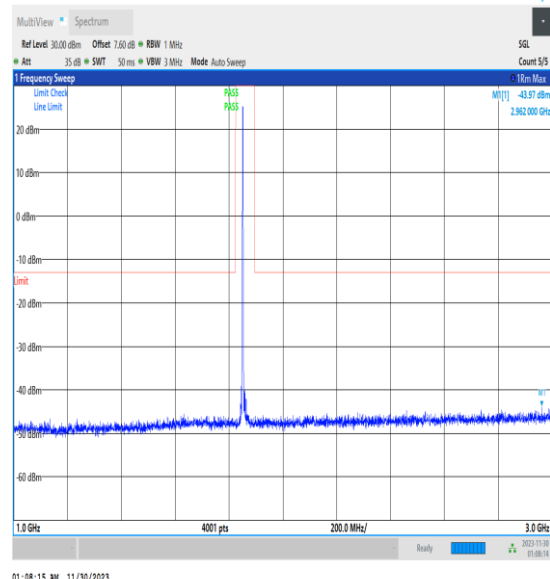
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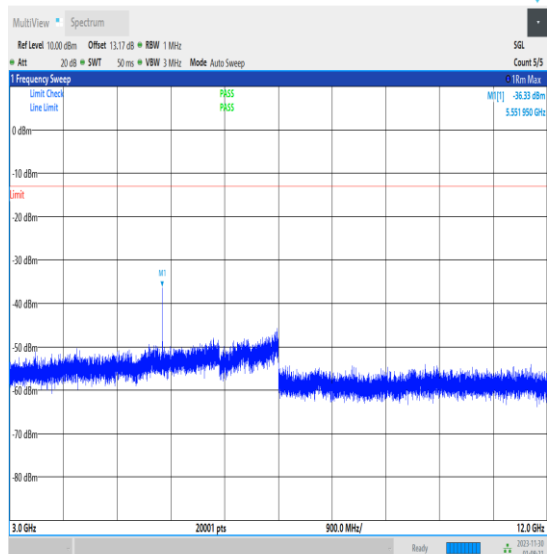
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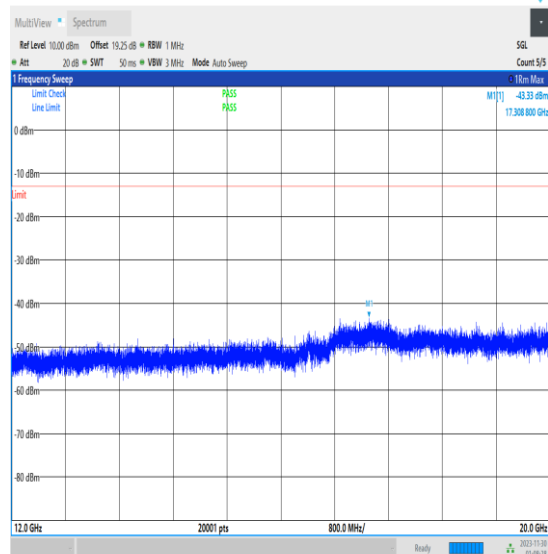
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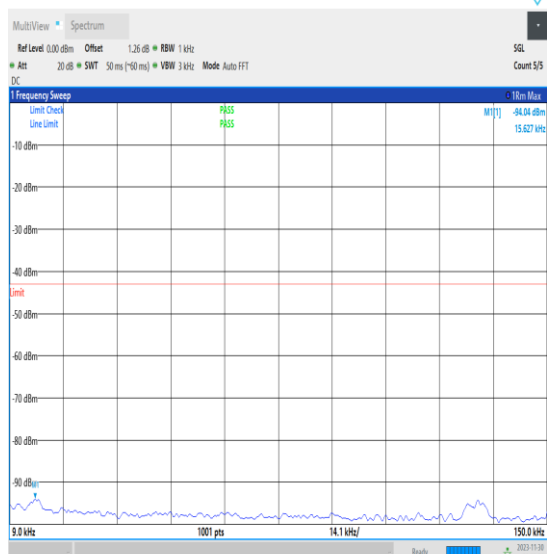
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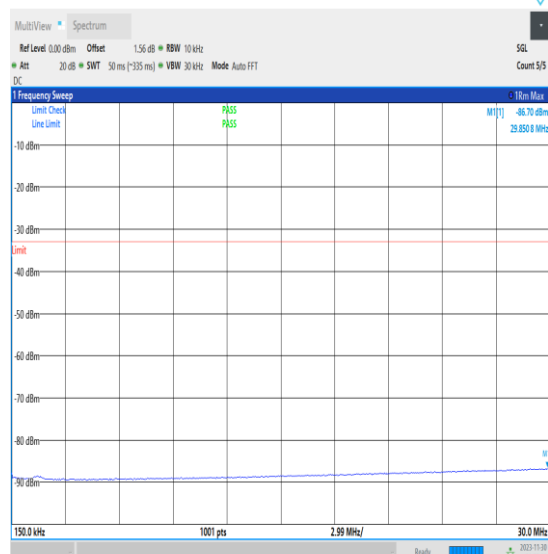
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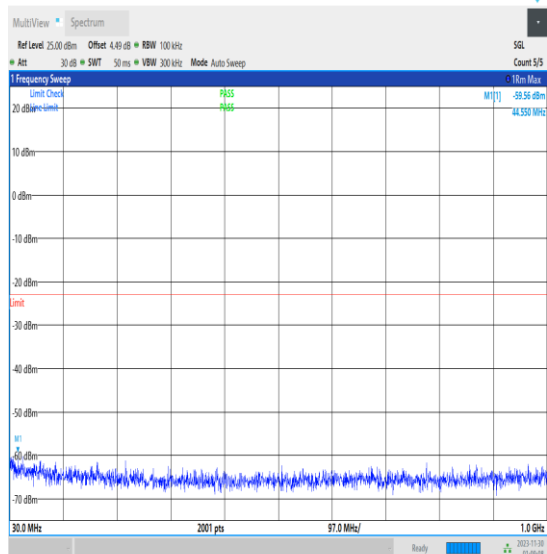
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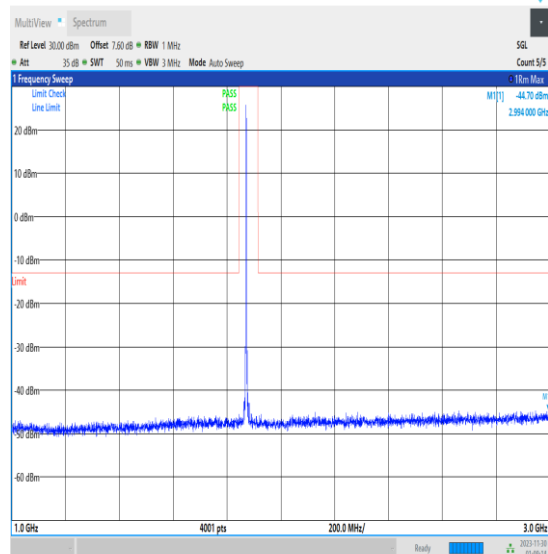
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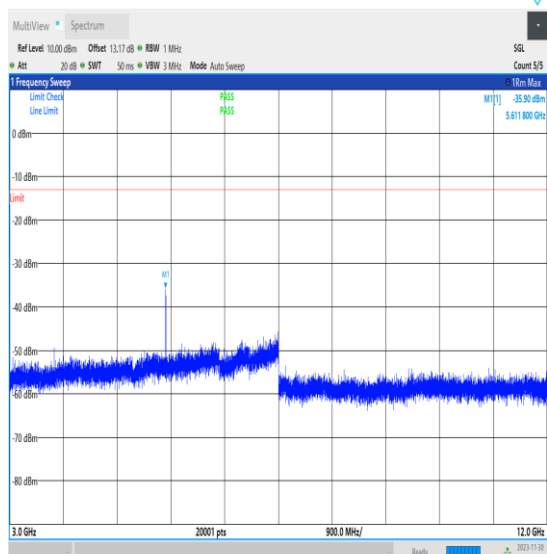
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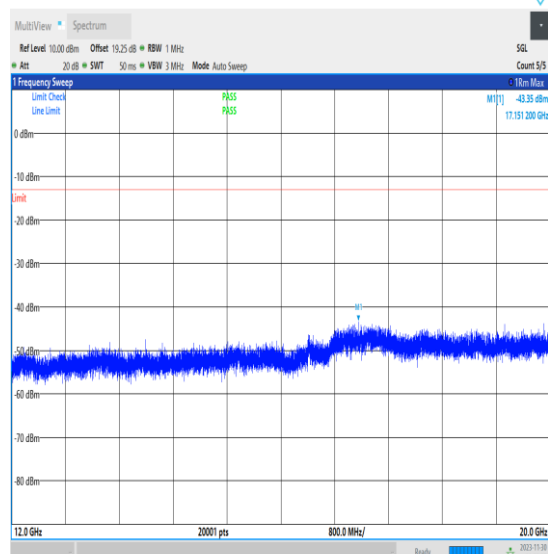
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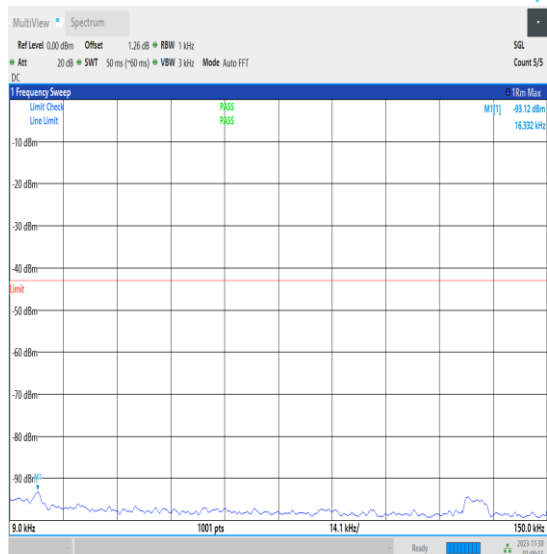
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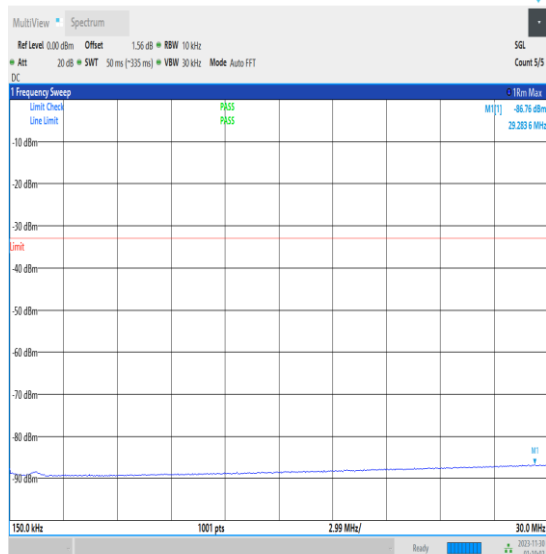
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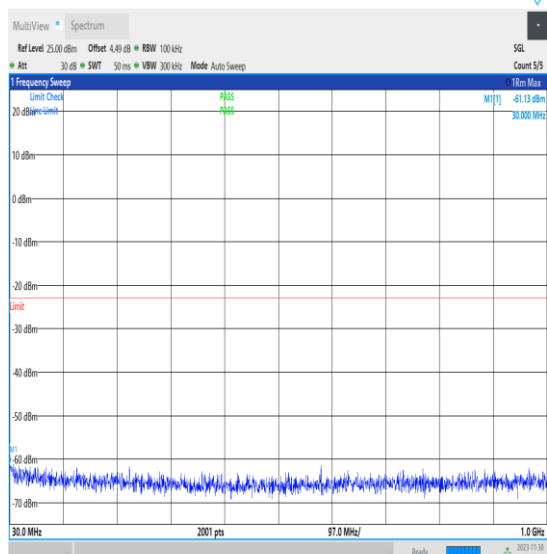
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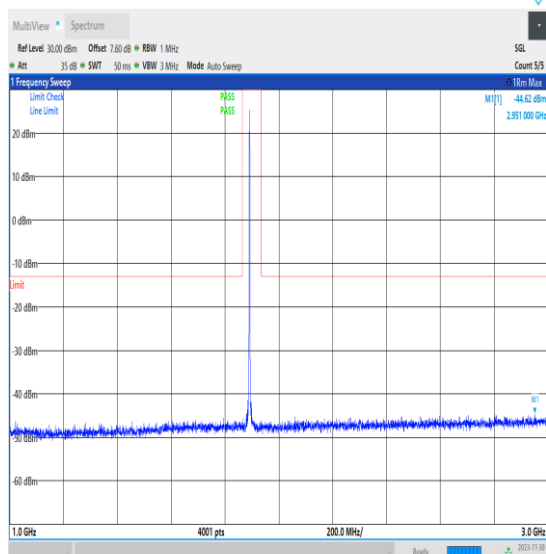
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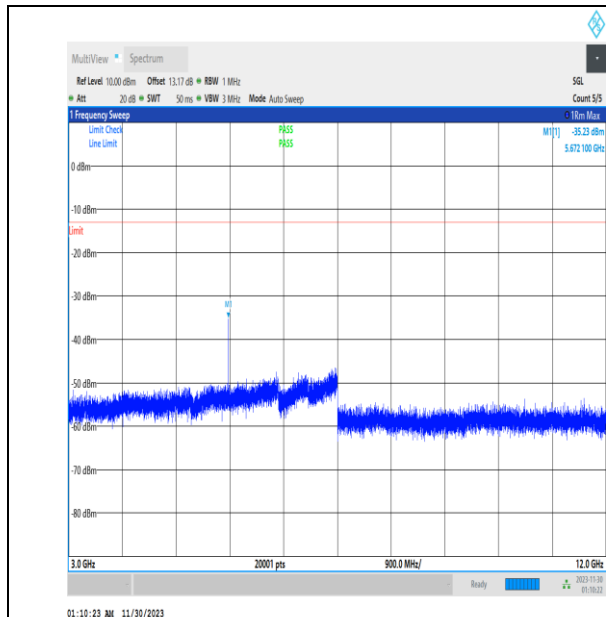
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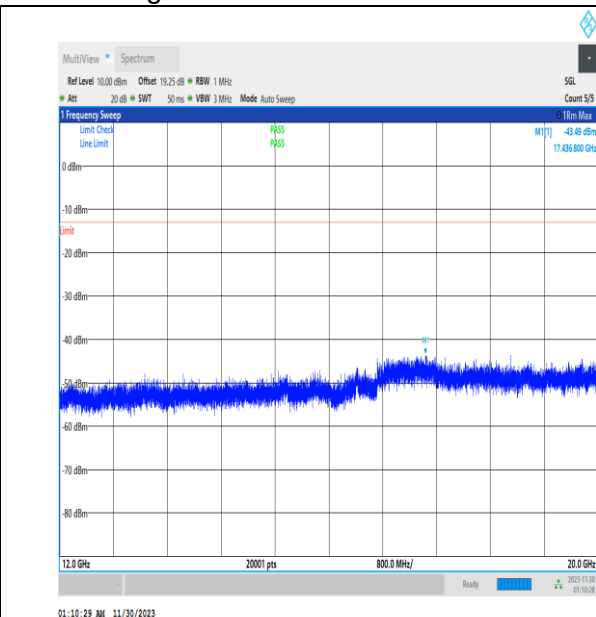
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Field Strength of Spurious Radiation

Test Band = SA Band2_ TM1

Test Channel = Low

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3702.1800	38.19	-45.51	28.80	-73.78	-13.00	60.78	Horizontal
2	5553.2700	38.53	-45.15	32.61	-69.27	-13.00	56.27	Horizontal
3	7404.3600	36.78	-43.40	36.33	-65.54	-13.00	52.54	Horizontal
4	9255.4500	31.05	-40.23	36.79	-67.66	-13.00	54.66	Horizontal
5	11106.5400	25.55	-37.93	38.71	-68.93	-13.00	55.93	Horizontal
6	12957.6300	25.29	-37.24	39.09	-68.12	-13.00	55.12	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3702.1800	40.18	-45.51	28.80	-71.79	-13.00	58.79	Vertical
2	5553.2700	39.19	-45.15	32.61	-68.61	-13.00	55.61	Vertical
3	7404.3600	36.85	-43.40	36.33	-65.47	-13.00	52.47	Vertical
4	9255.4500	31.51	-40.23	36.79	-67.20	-13.00	54.20	Vertical
5	11106.5400	25.79	-37.93	38.71	-68.69	-13.00	55.69	Vertical
6	12957.6300	25.09	-37.24	39.09	-68.32	-13.00	55.32	Vertical



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Test Band = SA Band2_ TM1

Test Channel = Mid

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3742.1800	38.07	-45.68	28.84	-74.03	-13.00	61.03	Horizontal
2	5613.2700	38.62	-45.04	32.62	-69.06	-13.00	56.06	Horizontal
3	7484.3600	35.77	-43.18	36.56	-66.11	-13.00	53.11	Horizontal
4	9355.4500	30.43	-40.00	36.98	-67.86	-13.00	54.86	Horizontal
5	11226.5400	27.09	-37.40	38.72	-66.85	-13.00	53.85	Horizontal
6	13097.6300	23.82	-37.01	39.28	-69.17	-13.00	56.17	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3742.1800	40.24	-45.68	28.84	-71.86	-13.00	58.86	Vertical
2	5613.2700	38.52	-45.04	32.62	-69.16	-13.00	56.16	Vertical
3	7484.3600	36.41	-43.18	36.56	-65.47	-13.00	52.47	Vertical
4	9355.4500	30.85	-40.00	36.98	-67.44	-13.00	54.44	Vertical
5	11226.5400	27.45	-37.40	38.72	-66.49	-13.00	53.49	Vertical
6	13097.6300	24.34	-37.01	39.28	-68.65	-13.00	55.65	Vertical



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Test Band = SA Band2_ TM1

Test Channel = High

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3782.1800	39.52	-45.85	28.88	-72.70	-13.00	59.70	Horizontal
2	5673.2700	38.37	-44.91	32.63	-69.16	-13.00	56.16	Horizontal
3	7564.3600	36.51	-43.00	36.63	-65.13	-13.00	52.13	Horizontal
4	9455.4500	32.26	-40.05	37.17	-65.89	-13.00	52.89	Horizontal
5	11346.5400	27.36	-37.40	38.73	-66.56	-13.00	53.56	Horizontal
6	13237.6300	23.79	-37.08	39.53	-69.02	-13.00	56.02	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3782.1800	39.95	-45.85	28.88	-72.27	-13.00	59.27	Vertical
2	5673.2700	38.64	-44.91	32.63	-68.89	-13.00	55.89	Vertical
3	7564.3600	36.02	-43.00	36.63	-65.62	-13.00	52.62	Vertical
4	9455.4500	32.26	-40.05	37.17	-65.89	-13.00	52.89	Vertical
5	11346.5400	27.47	-37.40	38.73	-66.45	-13.00	53.45	Vertical
6	13237.6300	23.85	-37.08	39.53	-68.96	-13.00	55.96	Vertical



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Test Band = NSA 7A_N2A_TM1

Test Channel = Low

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	4268.25	41.14	-45.61	29.74	-69.99	-13.00	56.99	Horizontal
2	5237.25	40.54	-45.21	31.97	-67.96	-13.00	54.96	Horizontal
3	6339.75	39.93	-44.49	33.79	-66.03	-13.00	53.03	Horizontal
4	8023.5	37.40	-42.12	36.79	-63.19	-13.00	50.19	Horizontal
5	9639.75	33.48	-39.58	37.52	-63.84	-13.00	50.84	Horizontal
6	15153	25.78	-34.40	40.98	-62.91	-13.00	49.91	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	4244.25	41.33	-45.67	29.69	-69.91	-13.00	56.91	Vertical
2	6063.75	39.74	-44.59	32.90	-67.20	-13.00	54.20	Vertical
3	7440	38.84	-43.30	36.43	-63.29	-13.00	50.29	Vertical
4	8618.25	36.01	-41.40	36.49	-64.15	-13.00	51.15	Vertical
5	12213.75	27.59	-37.48	38.86	-66.28	-13.00	53.28	Vertical
6	15153.75	26.08	-34.40	40.98	-62.60	-13.00	49.60	Vertical



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Test Band = NSA 7A_N2A_TM1

Test Channel = Mid

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	4275.75	41.99	-45.60	29.76	-69.10	-13.00	56.10	Horizontal
2	6493.5	39.52	-44.60	34.28	-66.06	-13.00	53.06	Horizontal
3	7872.75	37.50	-42.68	36.75	-63.69	-13.00	50.69	Horizontal
4	9642.75	33.75	-39.57	37.52	-63.56	-13.00	50.56	Horizontal
5	14318.25	26.92	-35.91	41.03	-63.22	-13.00	50.22	Horizontal
6	15153.75	25.99	-34.40	40.98	-62.69	-13.00	49.69	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	4115.25	41.40	-45.76	29.38	-70.24	-13.00	57.24	Vertical
2	5683.5	40.34	-44.89	32.64	-67.17	-13.00	54.17	Vertical
3	7374.75	38.24	-43.50	36.25	-64.27	-13.00	51.27	Vertical
4	9644.25	33.55	-39.57	37.52	-63.75	-13.00	50.75	Vertical
5	12108.75	27.71	-37.35	38.83	-66.07	-13.00	53.07	Vertical
6	13884	26.89	-35.60	40.69	-63.28	-13.00	50.28	Vertical



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Test Band = NSA 7A_N2A_TM1
Test Channel = High

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	4455	41.04	-45.76	30.19	-69.79	-13.00	56.79	Horizontal
2	5883	40.26	-44.93	32.68	-67.26	-13.00	54.26	Horizontal
3	8403	37.10	-41.46	36.60	-63.02	-13.00	50.02	Horizontal
4	11267.25	29.76	-37.41	38.73	-64.18	-13.00	51.18	Horizontal
5	12723	26.81	-36.71	39.02	-66.15	-13.00	53.15	Horizontal
6	14394.75	25.82	-34.87	41.06	-63.25	-13.00	50.25	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3629.25	42.15	-45.95	28.73	-70.33	-13.00	57.33	Vertical
2	4944.75	41.41	-45.58	31.28	-68.15	-13.00	55.15	Vertical
3	6678	39.51	-43.93	34.62	-65.06	-13.00	52.06	Vertical
4	8406.75	37.13	-41.46	36.60	-62.99	-13.00	49.99	Vertical
5	11232	29.59	-37.40	38.72	-64.35	-13.00	51.35	Vertical
6	13768.5	27.45	-36.32	40.48	-63.65	-13.00	50.65	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

2) All antennas of RSE are tested, and only the worst data is presented.



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Frequency Stability for SA

Test Result

Frequency Error VS. Voltage

Voltage										
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation(Hz)	Deviation (ppm)	Verdict
N2	15	20	DFT-PI2BPSK	M	Outer_Full	VH	NT	-3.400000	-0.001809	PASS
N2	15	20	DFT-PI2BPSK	M	Outer_Full	VN	NT	-6.800000	-0.003617	PASS
N2	15	20	DFT-PI2BPSK	M	Outer_Full	VL	NT	-7.000000	-0.003723	PASS
N2	15	20	CP-QPSK	M	Outer_Full	VH	NT	4.700000	0.002500	PASS
N2	15	20	CP-QPSK	M	Outer_Full	VN	NT	0.000000	0.000000	PASS
N2	15	20	CP-QPSK	M	Outer_Full	VL	NT	-1.400000	-0.000745	PASS



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Frequency Error VS. Temperature

Temperature										
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation(Hz)	Deviation (ppm)	Verdict
N2	15	20	DFT-PI2BPSK	M	Outer_Full	NV	-30	-6.800000	-0.003617	PASS
N2	15	20	DFT-PI2BPSK	M	Outer_Full	NV	-20	-8.700000	-0.004628	PASS
N2	15	20	DFT-PI2BPSK	M	Outer_Full	NV	-10	-6.100000	-0.003245	PASS
N2	15	20	DFT-PI2BPSK	M	Outer_Full	NV	0	-3.100000	-0.001649	PASS
N2	15	20	DFT-PI2BPSK	M	Outer_Full	NV	10	-5.900000	-0.003138	PASS
N2	15	20	DFT-PI2BPSK	M	Outer_Full	NV	20	-5.200000	-0.002766	PASS
N2	15	20	DFT-PI2BPSK	M	Outer_Full	NV	30	-4.000000	-0.002128	PASS
N2	15	20	DFT-PI2BPSK	M	Outer_Full	NV	40	-5.900000	-0.003138	PASS
N2	15	20	DFT-PI2BPSK	M	Outer_Full	NV	50	-1.100000	-0.000585	PASS
N2	15	20	CP-QPSK	M	Outer_Full	NV	-30	0.900000	0.000479	PASS
N2	15	20	CP-QPSK	M	Outer_Full	NV	-20	-0.500000	-0.000266	PASS
N2	15	20	CP-QPSK	M	Outer_Full	NV	-10	-0.400000	-0.000213	PASS
N2	15	20	CP-QPSK	M	Outer_Full	NV	0	2.900000	0.001543	PASS
N2	15	20	CP-QPSK	M	Outer_Full	NV	10	1.600000	0.000851	PASS
N2	15	20	CP-QPSK	M	Outer_Full	NV	20	0.000000	0.000000	PASS
N2	15	20	CP-QPSK	M	Outer_Full	NV	30	-1.100000	-0.000585	PASS
N2	15	20	CP-QPSK	M	Outer_Full	NV	40	-0.500000	-0.000266	PASS
N2	15	20	CP-QPSK	M	Outer_Full	NV	50	3.000000	0.001596	PASS

---End of Attachment---



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