

Appendix B.23

NR Band n41



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中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南面 邮编: 215000

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



Effective (Isotropic) Radiated Power Output Data for SA

Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Power (dBm)	EIRP (dBm)	Limit (dBm)	Verdict
N41	30	10	DFT-QPSK	L	Inner_1RB_Left	21.17	20.63	33.00	PASS
N41	30	10	DFT-16QAM	L	Inner_1RB_Left	20.41	19.87	33.00	PASS
N41	30	10	DFT-QPSK	M	Inner_1RB_Left	21.05	20.51	33.00	PASS
N41	30	10	DFT-16QAM	M	Inner_1RB_Left	20.36	19.82	33.00	PASS
N41	30	10	DFT-QPSK	H	Inner_1RB_Left	21.25	20.71	33.00	PASS
N41	30	10	DFT-16QAM	H	Inner_1RB_Left	20.25	19.71	33.00	PASS
N41	30	15	DFT-QPSK	L	Inner_1RB_Left	21.17	20.63	33.00	PASS
N41	30	15	DFT-16QAM	L	Inner_1RB_Left	20.39	19.85	33.00	PASS
N41	30	15	DFT-QPSK	M	Inner_1RB_Left	21.15	20.61	33.00	PASS
N41	30	15	DFT-16QAM	M	Inner_1RB_Left	20.32	19.78	33.00	PASS
N41	30	15	DFT-QPSK	H	Inner_1RB_Left	21.36	20.82	33.00	PASS
N41	30	15	DFT-16QAM	H	Inner_1RB_Left	20.23	19.69	33.00	PASS
N41	30	20	DFT-QPSK	L	Inner_1RB_Left	21.06	20.52	33.00	PASS
N41	30	20	DFT-16QAM	L	Inner_1RB_Left	20.55	20.01	33.00	PASS
N41	30	20	DFT-QPSK	M	Inner_1RB_Left	21.01	20.47	33.00	PASS
N41	30	20	DFT-16QAM	M	Inner_1RB_Left	20.26	19.72	33.00	PASS
N41	30	20	DFT-QPSK	H	Inner_1RB_Left	21.31	20.77	33.00	PASS
N41	30	20	DFT-16QAM	H	Inner_1RB_Left	20.55	20.01	33.00	PASS
N41	30	40	DFT-QPSK	L	Inner_1RB_Left	21.34	20.8	33.00	PASS
N41	30	40	DFT-16QAM	L	Inner_1RB_Left	20.49	19.95	33.00	PASS
N41	30	40	DFT-QPSK	M	Inner_1RB_Left	21.28	20.74	33.00	PASS
N41	30	40	DFT-16QAM	M	Inner_1RB_Left	20.38	19.84	33.00	PASS
N41	30	40	DFT-QPSK	H	Inner_1RB_Left	21.09	20.55	33.00	PASS
N41	30	40	DFT-16QAM	H	Inner_1RB_Left	20.54	20	33.00	PASS
N41	30	50	DFT-QPSK	L	Inner_1RB_Left	21.32	20.78	33.00	PASS
N41	30	50	DFT-16QAM	L	Inner_1RB_Left	20.36	19.82	33.00	PASS
N41	30	50	DFT-QPSK	M	Inner_1RB_Left	21.14	20.6	33.00	PASS
N41	30	50	DFT-16QAM	M	Inner_1RB_Left	20.58	20.04	33.00	PASS
N41	30	50	DFT-QPSK	H	Inner_1RB_Left	21.09	20.55	33.00	PASS
N41	30	50	DFT-16QAM	H	Inner_1RB_Left	20.44	19.9	33.00	PASS
N41	30	60	DFT-QPSK	L	Inner_1RB_Left	21.17	20.63	33.00	PASS



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 中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南楼 邮编: 215000

t (86-512) 62992980 www.sgsgroup.com.cn
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N41	30	60	DFT-16QAM	L	Inner_1RB_Left	20.28	19.74	33.00	PASS
N41	30	60	DFT-QPSK	M	Inner_1RB_Left	21.29	20.75	33.00	PASS
N41	30	60	DFT-16QAM	M	Inner_1RB_Left	20.25	19.71	33.00	PASS
N41	30	60	DFT-QPSK	H	Inner_1RB_Left	21.41	20.87	33.00	PASS
N41	30	60	DFT-16QAM	H	Inner_1RB_Left	20.36	19.82	33.00	PASS
N41	30	80	DFT-QPSK	L	Inner_1RB_Left	21.24	20.7	33.00	PASS
N41	30	80	DFT-16QAM	L	Inner_1RB_Left	20.33	19.79	33.00	PASS
N41	30	80	DFT-QPSK	M	Inner_1RB_Left	21.22	20.68	33.00	PASS
N41	30	80	DFT-16QAM	M	Inner_1RB_Left	20.35	19.81	33.00	PASS
N41	30	80	DFT-QPSK	H	Inner_1RB_Left	21.31	20.77	33.00	PASS
N41	30	80	DFT-16QAM	H	Inner_1RB_Left	20.38	19.84	33.00	PASS
N41	30	90	DFT-QPSK	L	Inner_1RB_Left	21.37	20.83	33.00	PASS
N41	30	90	DFT-16QAM	L	Inner_1RB_Left	20.42	19.88	33.00	PASS
N41	30	90	DFT-QPSK	M	Inner_1RB_Left	20.97	20.43	33.00	PASS
N41	30	90	DFT-16QAM	M	Inner_1RB_Left	20.32	19.78	33.00	PASS
N41	30	90	DFT-QPSK	H	Inner_1RB_Left	21.37	20.83	33.00	PASS
N41	30	90	DFT-16QAM	H	Inner_1RB_Left	20.47	19.93	33.00	PASS
N41	30	100	DFT-PI2BPSK	L	Inner_1RB_Left	21.23	20.69	33.00	PASS
N41	30	100	DFT-PI2BPSK	L	Inner_1RB_Right	21.3	20.76	33.00	PASS
N41	30	100	DFT-PI2BPSK	L	Outer_Full	20.79	20.25	33.00	PASS
N41	30	100	DFT-QPSK	L	Inner_1RB_Left	21.39	20.85	33.00	PASS
N41	30	100	DFT-QPSK	L	Inner_1RB_Right	21.18	20.64	33.00	PASS
N41	30	100	DFT-QPSK	L	Outer_Full	20.17	19.63	33.00	PASS
N41	30	100	DFT-16QAM	L	Inner_1RB_Left	20.66	20.12	33.00	PASS
N41	30	100	DFT-16QAM	L	Inner_1RB_Right	20.3	19.76	33.00	PASS
N41	30	100	DFT-16QAM	L	Outer_Full	19.22	18.68	33.00	PASS
N41	30	100	DFT-64QAM	L	Inner_1RB_Left	19.07	18.53	33.00	PASS
N41	30	100	DFT-64QAM	L	Inner_1RB_Right	19	18.46	33.00	PASS
N41	30	100	DFT-64QAM	L	Outer_Full	18.86	18.32	33.00	PASS
N41	30	100	DFT-256QAM	L	Inner_1RB_Left	16.77	16.23	33.00	PASS
N41	30	100	DFT-256QAM	L	Inner_1RB_Right	16.62	16.08	33.00	PASS
N41	30	100	DFT-256QAM	L	Outer_Full	16.76	16.22	33.00	PASS
N41	30	100	DFT-PI2BPSK	M	Inner_1RB_Left	19.36	19.36	33.00	PASS
N41	30	100	DFT-PI2BPSK	M	Inner_1RB_Right	21.02	21.02	33.00	PASS
N41	30	100	DFT-PI2BPSK	M	Outer_Full	20.80	20.80	33.00	PASS
N41	30	100	DFT-QPSK	M	Inner_1RB_Left	19.34	19.34	33.00	PASS
N41	30	100	DFT-QPSK	M	Inner_1RB_Right	20.95	20.95	33.00	PASS



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N41	30	100	DFT-QPSK	M	Outer_Full	20.76	20.76	33.00	PASS
N41	30	100	DFT-16QAM	M	Inner_1RB_Left	19.23	19.23	33.00	PASS
N41	30	100	DFT-16QAM	M	Inner_1RB_Right	20.86	20.86	33.00	PASS
N41	30	100	DFT-16QAM	M	Outer_Full	20.71	20.71	33.00	PASS
N41	30	100	DFT-64QAM	M	Inner_1RB_Left	19.17	19.17	33.00	PASS
N41	30	100	DFT-64QAM	M	Inner_1RB_Right	20.79	20.79	33.00	PASS
N41	30	100	DFT-64QAM	M	Outer_Full	20.69	20.69	33.00	PASS
N41	30	100	DFT-256QAM	M	Inner_1RB_Left	19.09	19.09	33.00	PASS
N41	30	100	DFT-256QAM	M	Inner_1RB_Right	20.62	20.62	33.00	PASS
N41	30	100	DFT-256QAM	M	Outer_Full	20.68	20.68	33.00	PASS
N41	30	100	DFT-PI2BPSK	H	Inner_1RB_Left	20.54	20.54	33.00	PASS
N41	30	100	DFT-PI2BPSK	H	Inner_1RB_Right	20.75	20.75	33.00	PASS
N41	30	100	DFT-PI2BPSK	H	Outer_Full	20.79	20.79	33.00	PASS
N41	30	100	DFT-QPSK	H	Inner_1RB_Left	20.55	20.55	33.00	PASS
N41	30	100	DFT-QPSK	H	Inner_1RB_Right	20.69	20.69	33.00	PASS
N41	30	100	DFT-QPSK	H	Outer_Full	20.77	20.77	33.00	PASS
N41	30	100	DFT-16QAM	H	Inner_1RB_Left	20.46	20.46	33.00	PASS
N41	30	100	DFT-16QAM	H	Inner_1RB_Right	20.61	20.61	33.00	PASS
N41	30	100	DFT-16QAM	H	Outer_Full	20.71	20.71	33.00	PASS
N41	30	100	DFT-64QAM	H	Inner_1RB_Left	20.35	20.35	33.00	PASS
N41	30	100	DFT-64QAM	H	Inner_1RB_Right	20.55	20.55	33.00	PASS
N41	30	100	DFT-64QAM	H	Outer_Full	20.71	20.71	33.00	PASS
N41	30	100	DFT-256QAM	H	Inner_1RB_Left	20.26	20.26	33.00	PASS
N41	30	100	DFT-256QAM	H	Inner_1RB_Right	20.41	20.41	33.00	PASS
N41	30	100	DFT-256QAM	H	Outer_Full	20.70	20.70	33.00	PASS



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Peak-to-Average Ratio for SA

Peak-to-Average Ratio(CCDF)

Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result	Verdict
N41	30	100	DFT-256QAM	L	Outer_Full	6.57	PASS
N41	30	100	CP-256QAM	L	Outer_Full	8.55	PASS
N41	30	100	DFT-256QAM	M	Outer_Full	6.65	PASS
N41	30	100	CP-256QAM	M	Outer_Full	8.56	PASS
N41	30	100	DFT-256QAM	H	Outer_Full	6.63	PASS
N41	30	100	CP-256QAM	H	Outer_Full	8.53	PASS



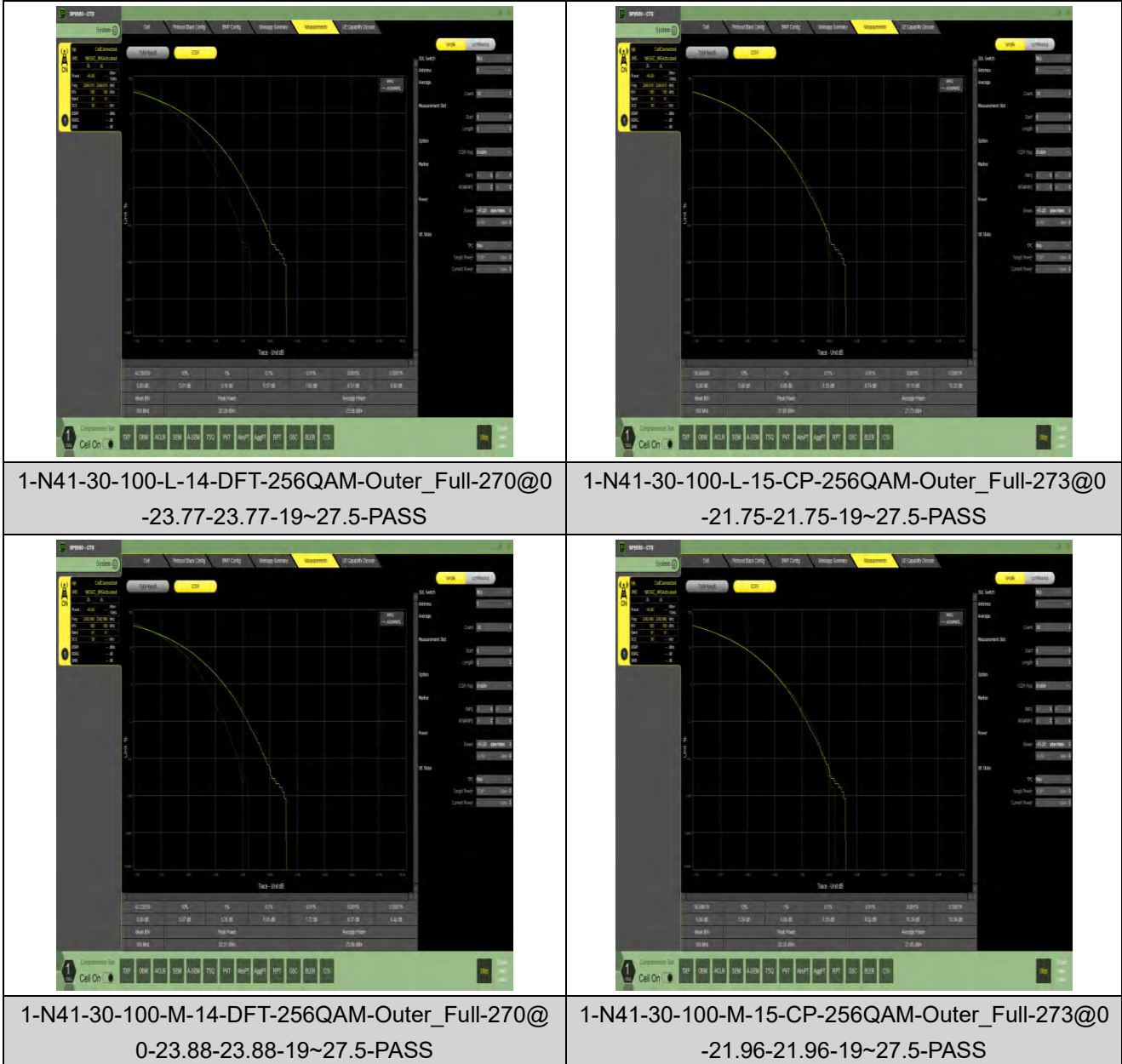
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Test Graphs



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1-N41-30-100-H-14-DFT-256QAM-Outer_Full-270@
0-24.04-24.04-19~27.5-PASS

1-N41-30-100-H-15-CP-256QAM-Outer_Full-273@
-22.04-22.04-19~27.5-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
N41	30	10	DFT-QPSK	M	Outer_Full	8.583	9.320	PASS
N41	30	10	DFT-PI2BPSK	M	Outer_Full	8.603	9.240	PASS
N41	30	10	DFT-16QAM	M	Outer_Full	8.578	9.300	PASS
N41	30	10	DFT-64QAM	M	Outer_Full	8.586	9.320	PASS
N41	30	10	DFT-256QAM	M	Outer_Full	8.568	9.240	PASS
N41	30	10	CP-QPSK	M	Outer_Full	8.564	9.300	PASS
N41	30	10	CP-16QAM	M	Outer_Full	8.576	9.300	PASS
N41	30	10	CP-64QAM	M	Outer_Full	8.554	9.300	PASS
N41	30	10	CP-256QAM	M	Outer_Full	8.571	9.280	PASS
N41	30	15	DFT-QPSK	M	Outer_Full	12.948	13.950	PASS
N41	30	15	DFT-PI2BPSK	M	Outer_Full	12.931	13.950	PASS
N41	30	15	DFT-16QAM	M	Outer_Full	12.957	14.010	PASS
N41	30	15	DFT-64QAM	M	Outer_Full	12.978	14.010	PASS
N41	30	15	DFT-256QAM	M	Outer_Full	12.885	13.980	PASS
N41	30	15	CP-QPSK	M	Outer_Full	13.609	14.730	PASS
N41	30	15	CP-16QAM	M	Outer_Full	13.625	14.730	PASS
N41	30	15	CP-64QAM	M	Outer_Full	13.678	14.730	PASS
N41	30	15	CP-256QAM	M	Outer_Full	13.637	14.730	PASS
N41	30	20	DFT-QPSK	M	Outer_Full	17.9	19.080	PASS
N41	30	20	DFT-PI2BPSK	M	Outer_Full	17.93	19.080	PASS
N41	30	20	DFT-16QAM	M	Outer_Full	17.926	19.080	PASS
N41	30	20	DFT-64QAM	M	Outer_Full	17.901	19.080	PASS
N41	30	20	DFT-256QAM	M	Outer_Full	17.833	19.040	PASS
N41	30	20	CP-QPSK	M	Outer_Full	18.2	19.440	PASS
N41	30	20	CP-16QAM	M	Outer_Full	18.24	19.520	PASS
N41	30	20	CP-64QAM	M	Outer_Full	18.209	19.360	PASS
N41	30	20	CP-256QAM	M	Outer_Full	18.216	19.400	PASS
N41	30	40	DFT-QPSK	M	Outer_Full	35.92	38.640	PASS
N41	30	40	DFT-PI2BPSK	M	Outer_Full	36.008	38.480	PASS
N41	30	40	DFT-16QAM	M	Outer_Full	35.928	38.480	PASS



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N41	30	40	DFT-64QAM	M	Outer_Full	35.963	38.480	PASS
N41	30	40	DFT-256QAM	M	Outer_Full	35.858	38.400	PASS
N41	30	40	CP-QPSK	M	Outer_Full	38.003	40.640	PASS
N41	30	40	CP-16QAM	M	Outer_Full	37.973	40.560	PASS
N41	30	40	CP-64QAM	M	Outer_Full	38.021	40.560	PASS
N41	30	40	CP-256QAM	M	Outer_Full	37.973	40.720	PASS
N41	30	50	DFT-QPSK	M	Outer_Full	45.816	48.600	PASS
N41	30	50	DFT-P12BPSK	M	Outer_Full	45.732	48.600	PASS
N41	30	50	DFT-16QAM	M	Outer_Full	45.782	48.600	PASS
N41	30	50	DFT-64QAM	M	Outer_Full	45.856	48.500	PASS
N41	30	50	DFT-256QAM	M	Outer_Full	45.689	48.600	PASS
N41	30	50	CP-QPSK	M	Outer_Full	47.534	50.300	PASS
N41	30	50	CP-16QAM	M	Outer_Full	47.53	50.400	PASS
N41	30	50	CP-64QAM	M	Outer_Full	47.631	50.400	PASS
N41	30	50	CP-256QAM	M	Outer_Full	47.534	50.400	PASS
N41	30	60	DFT-QPSK	M	Outer_Full	57.694	60.720	PASS
N41	30	60	DFT-P12BPSK	M	Outer_Full	57.83	60.720	PASS
N41	30	60	DFT-16QAM	M	Outer_Full	57.607	60.720	PASS
N41	30	60	DFT-64QAM	M	Outer_Full	57.866	60.720	PASS
N41	30	60	DFT-256QAM	M	Outer_Full	57.701	60.720	PASS
N41	30	60	CP-QPSK	M	Outer_Full	57.854	60.960	PASS
N41	30	60	CP-16QAM	M	Outer_Full	57.759	60.720	PASS
N41	30	60	CP-64QAM	M	Outer_Full	57.98	60.720	PASS
N41	30	60	CP-256QAM	M	Outer_Full	57.783	60.840	PASS
N41	30	80	DFT-QPSK	M	Outer_Full	76.81	80.320	PASS
N41	30	80	DFT-P12BPSK	M	Outer_Full	77.056	80.480	PASS
N41	30	80	DFT-16QAM	M	Outer_Full	76.891	80.320	PASS
N41	30	80	DFT-64QAM	M	Outer_Full	77.012	80.320	PASS
N41	30	80	DFT-256QAM	M	Outer_Full	76.897	80.320	PASS
N41	30	80	CP-QPSK	M	Outer_Full	77.345	80.640	PASS
N41	30	80	CP-16QAM	M	Outer_Full	77.388	80.640	PASS
N41	30	80	CP-64QAM	M	Outer_Full	77.497	80.640	PASS
N41	30	80	CP-256QAM	M	Outer_Full	77.347	80.800	PASS
N41	30	90	DFT-QPSK	M	Outer_Full	85.451	88.920	PASS
N41	30	90	DFT-P12BPSK	M	Outer_Full	85.564	89.280	PASS
N41	30	90	DFT-16QAM	M	Outer_Full	85.361	88.920	PASS
N41	30	90	DFT-64QAM	M	Outer_Full	85.418	89.280	PASS



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N41	30	90	DFT-256QAM	M	Outer_Full	85.358	88.920	PASS
N41	30	90	CP-QPSK	M	Outer_Full	87.232	90.900	PASS
N41	30	90	CP-16QAM	M	Outer_Full	87.24	90.720	PASS
N41	30	90	CP-64QAM	M	Outer_Full	87.263	90.720	PASS
N41	30	90	CP-256QAM	M	Outer_Full	87.33	90.900	PASS
N41	30	100	DFT-QPSK	M	Outer_Full	96.136	99.800	PASS
N41	30	100	DFT-PI2BPSK	M	Outer_Full	96.239	100.200	PASS
N41	30	100	DFT-16QAM	M	Outer_Full	96.089	99.800	PASS
N41	30	100	DFT-64QAM	M	Outer_Full	96.084	99.800	PASS
N41	30	100	DFT-256QAM	M	Outer_Full	96.228	100.000	PASS
N41	30	100	CP-QPSK	M	Outer_Full	97.246	101.200	PASS
N41	30	100	CP-16QAM	M	Outer_Full	97.141	101.000	PASS
N41	30	100	CP-64QAM	M	Outer_Full	97.317	100.800	PASS
N41	30	100	CP-256QAM	M	Outer_Full	97.215	100.800	PASS

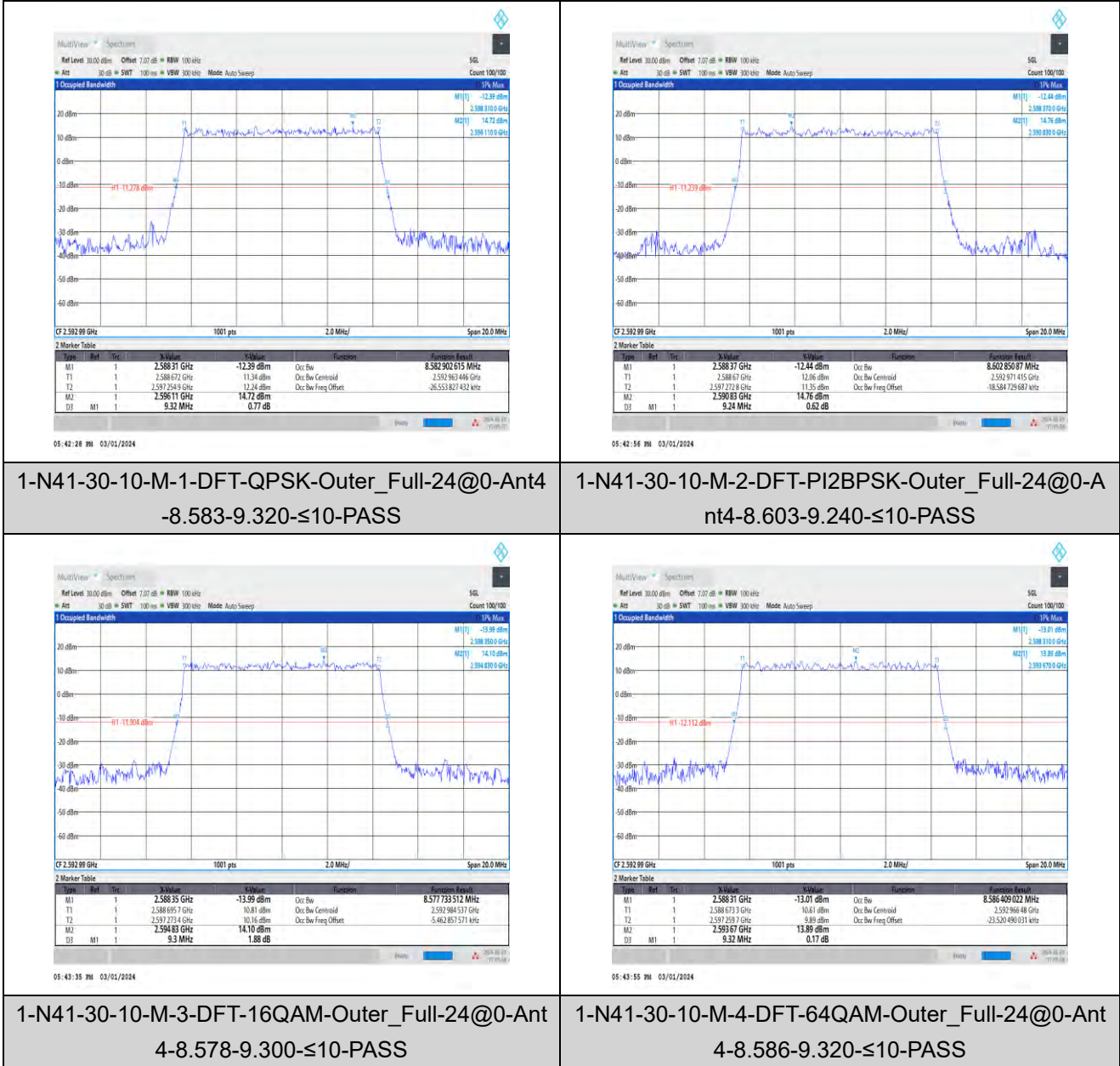


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Test Graphs



1-N41-30-10-M-1-DFT-QPSK-Outer_Full-24@0-Ant4
-8.583-9.320-≤10-PASS

1-N41-30-10-M-2-DFT-PI2BPSK-Outer_Full-24@0-A
nt4-8.603-9.240-≤10-PASS

1-N41-30-10-M-3-DFT-16QAM-Outer_Full-24@0-Ant
4-8.578-9.300-≤10-PASS

1-N41-30-10-M-4-DFT-64QAM-Outer_Full-24@0-Ant
4-8.586-9.320-≤10-PASS



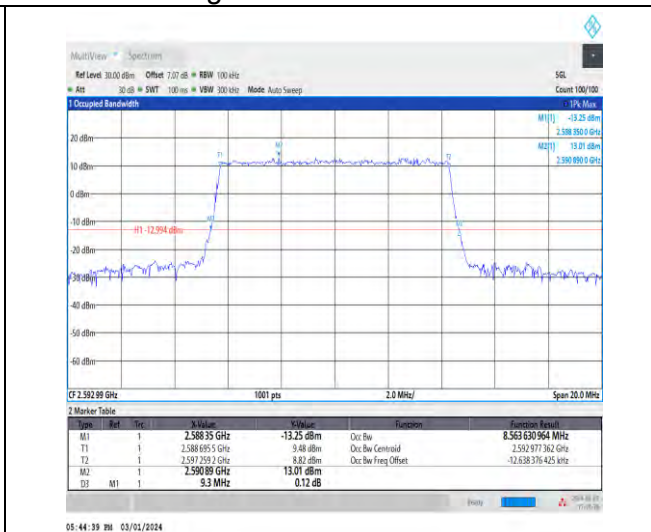
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1-N41-30-10-M-5-DFT-256QAM-Outer_Full-24@0-A
nt4-8.568-9.240-≤10-PASS



1-N41-30-10-M-6-CP-QPSK-Outer_Full-24@0-Ant4-
8.564-9.300-≤10-PASS



1-N41-30-10-M-7-CP-16QAM-Outer_Full-24@0-Ant
4-8.576-9.300-≤10-PASS



1-N41-30-10-M-8-CP-64QAM-Outer_Full-24@0-Ant4
-8.554-9.300-≤10-PASS



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1-N41-30-10-M-9-CP-256QAM-Outer_Full-24@0-An
t4-8.571-9.280-≤10-PASS



1-N41-30-15-M-1-DFT-QPSK-Outer_Full-36@0-Ant4
-12.948-13.950-≤15-PASS



1-N41-30-15-M-2-DFT-PI2BPSK-Outer_Full-36@0-A
nt4-12.931-13.950-≤15-PASS



1-N41-30-15-M-3-DFT-16QAM-Outer_Full-36@0-Ant
4-12.957-14.010-≤15-PASS



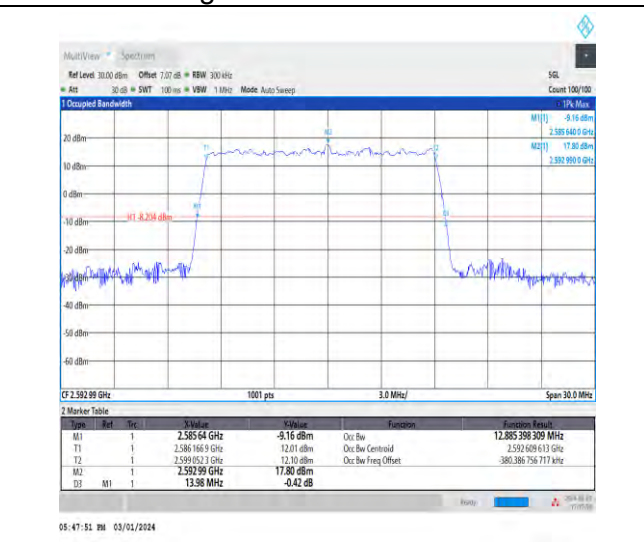
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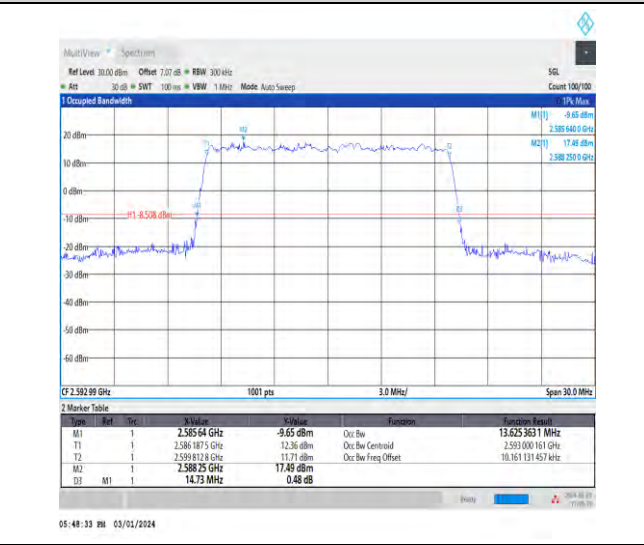
1-N41-30-15-M-4-DFT-64QAM-Outer_Full-36@0-Ant
 4-12.978-14.010-≤15-PASS



1-N41-30-15-M-5-DFT-256QAM-Outer_Full-36@0-A
 nt4-12.885-13.980-≤15-PASS



1-N41-30-15-M-6-CP-QPSK-Outer_Full-38@0-Ant4
 13.609-14.730-≤15-PASS



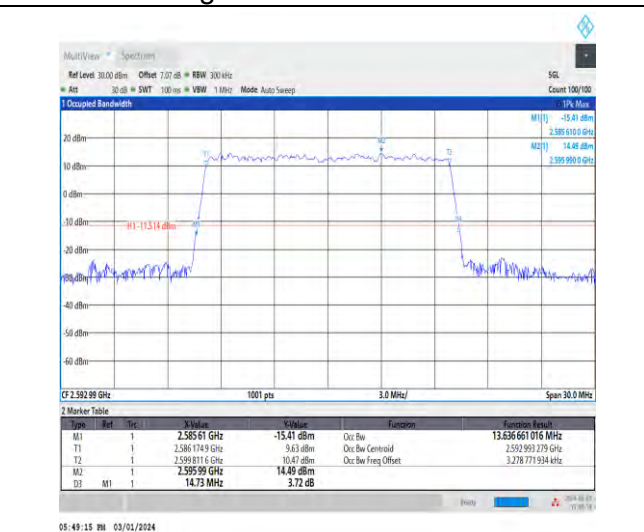
1-N41-30-15-M-7-CP-16QAM-Outer_Full-38@0-Ant4
 -13.625-14.730-≤15-PASS



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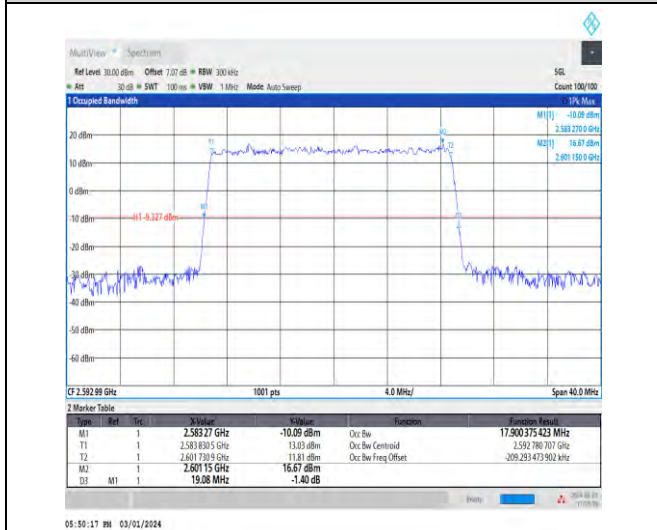
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1-N41-30-15-M-8-CP-64QAM-Outer_Full-38@0-Ant
4-13.678-14.730-≤15-PASS

1-N41-30-15-M-9-CP-256QAM-Outer_Full-38@0-Ant
4-13.637-14.730-≤15-PASS



1-N41-30-20-M-1-DFT-QPSK-Outer_Full-50@0-Ant4
-17.9-19.080-≤20-PASS

1-N41-30-20-M-2-DFT-PI2BPSK-Outer_Full-50@0-Ant4
-17.93-19.080-≤20-PASS



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1-N41-30-20-M-3-DFT-16QAM-Outer_Full-50@0-Ant
4-17.926-19.080-≤20-PASS



1-N41-30-20-M-4-DFT-64QAM-Outer_Full-50@0-Ant
4-17.901-19.080-≤20-PASS



1-N41-30-20-M-5-DFT-256QAM-Outer_Full-50@0-Ant
4-17.833-19.040-≤20-PASS



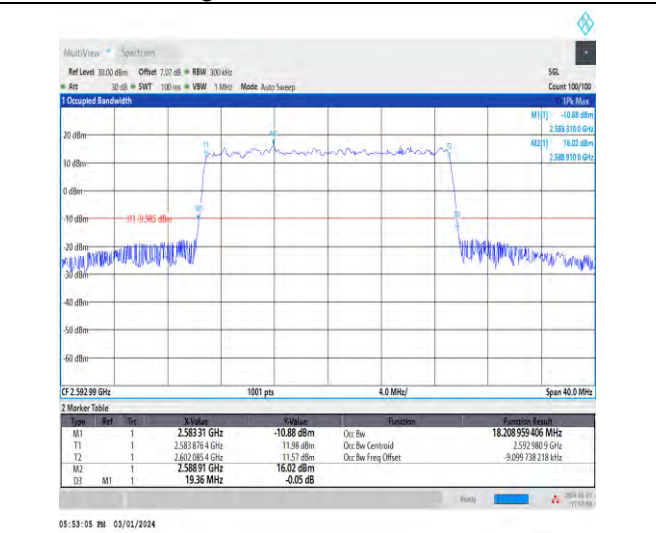
1-N41-30-20-M-6-CP-QPSK-Outer_Full-51@0-Ant
4-18.2-19.440-≤20-PASS



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1-N41-30-20-M-7-CP-16QAM-Outer_Full-51@0-Ant
4-18.24-19.520-≤20-PASS

1-N41-30-20-M-8-CP-64QAM-Outer_Full-51@0-Ant4
-18.209-19.360-≤20-PASS



1-N41-30-20-M-9-CP-256QAM-Outer_Full-51@0-An
t4-18.216-19.400-≤20-PASS

1-N41-30-40-M-1-DFT-QPSK-Outer_Full-100@0-Ant
4-35.92-38.640-≤40-PASS



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1-N41-30-40-M-2-DFT-PI2BPSK-Outer_Full-100@0-Ant4-36.008-38.480-≤ 40-PASS



1-N41-30-40-M-3-DFT-16QAM-Outer_Full-100@0-Ant4-35.928-38.480-≤ 40-PASS



1-N41-30-40-M-4-DFT-64QAM-Outer_Full-100@0-Ant4-35.963-38.480-≤ 40-PASS



1-N41-30-40-M-5-DFT-256QAM-Outer_Full-100@0-Ant4-35.858-38.400-≤ 40-PASS



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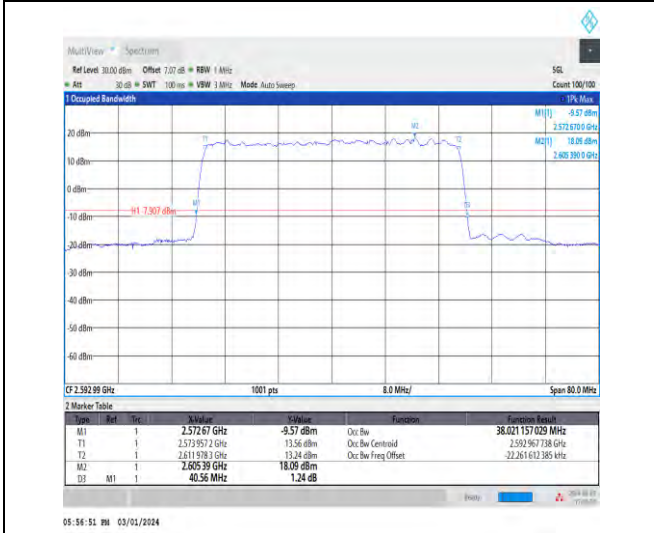
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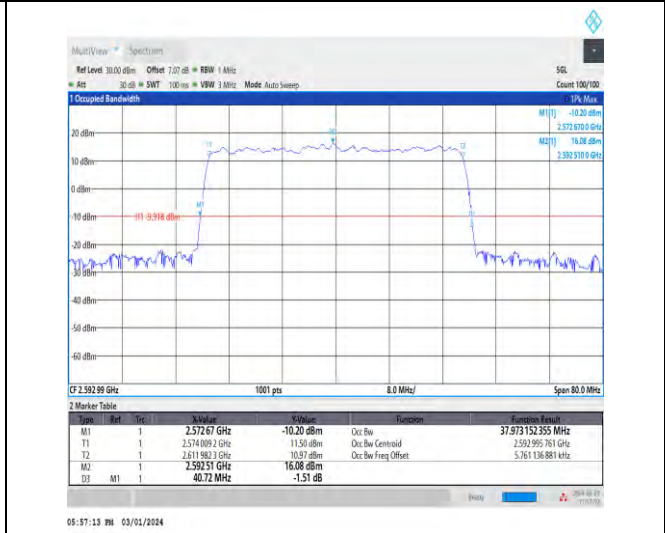
1-N41-30-40-M-6-CP-QPSK-Outer_Full-106@0-Ant4
-38.003-40.640-≤40-PASS



1-N41-30-40-M-7-CP-16QAM-Outer_Full-106@0-Ant4
4-37.973-40.560-≤40-PASS



1-N41-30-40-M-8-CP-64QAM-Outer_Full-106@0-Ant4
t4-38.021-40.560-≤40-PASS



1-N41-30-40-M-9-CP-256QAM-Outer_Full-106@0-Ant4
nt4-37.973-40.720-≤40-PASS



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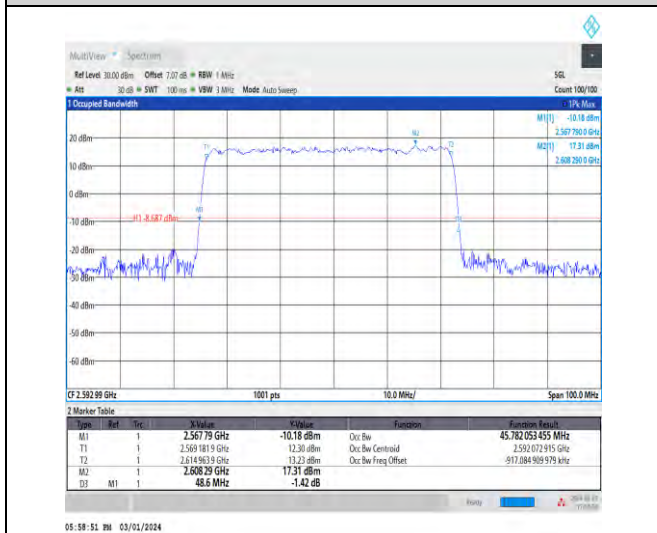
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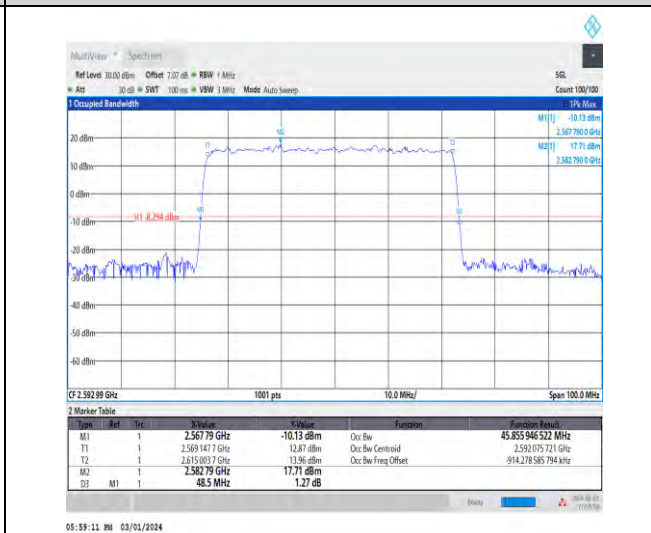
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 4-45.816-48.600-≤50-PASS



1-N41-30-50-M-2-DFT-PI2BPSK-Outer_Full-128@0-Ant
 4-45.732-48.600-≤50-PASS



1-N41-30-50-M-3-DFT-16QAM-Outer_Full-128@0-Ant
 4-45.782-48.600-≤50-PASS

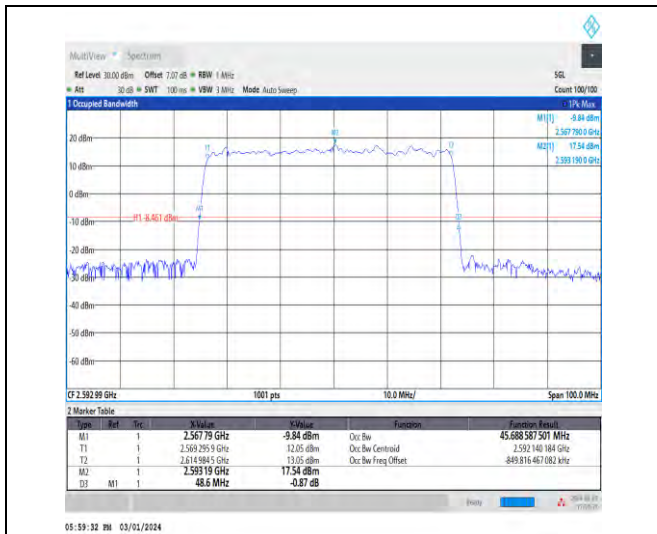


1-N41-30-50-M-4-DFT-64QAM-Outer_Full-128@0-Ant
 4-45.856-48.500-≤50-PASS



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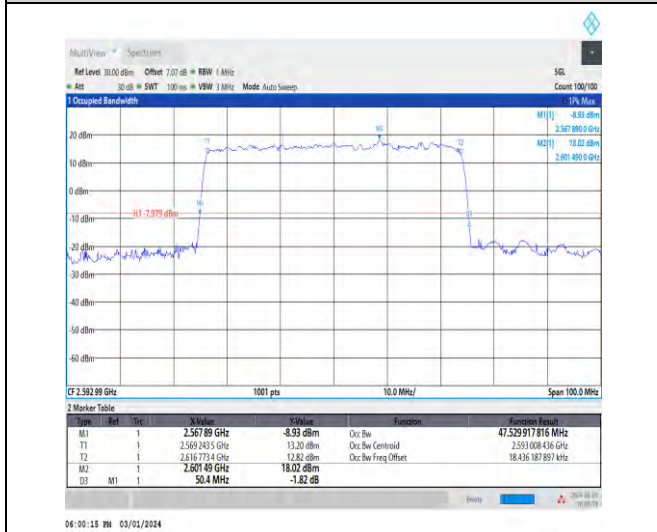
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1-N41-30-50-M-5-DFT-256QAM-Outer_Full-128@0-Ant4-45.689-48.600-≤50-PASS



1-N41-30-50-M-6-CP-QPSK-Outer_Full-133@0-Ant4-47.534-50.300-≤50-PASS



1-N41-30-50-M-7-CP-16QAM-Outer_Full-133@0-Ant4-47.53-50.400-≤50-PASS



1-N41-30-50-M-8-CP-64QAM-Outer_Full-133@0-Ant4-47.631-50.400-≤50-PASS



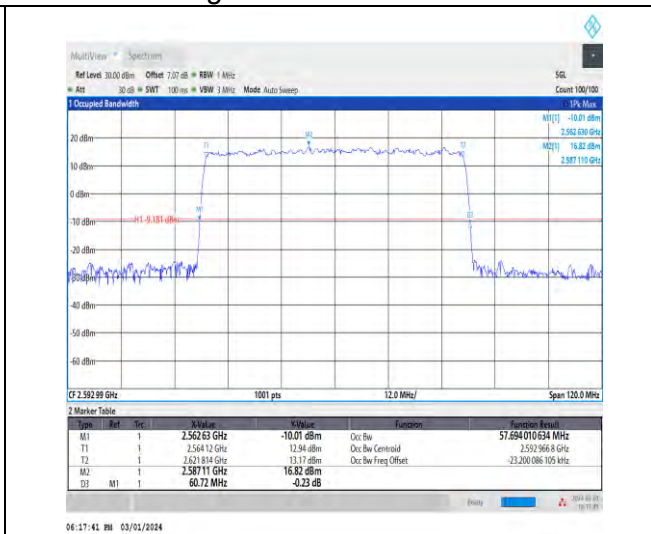
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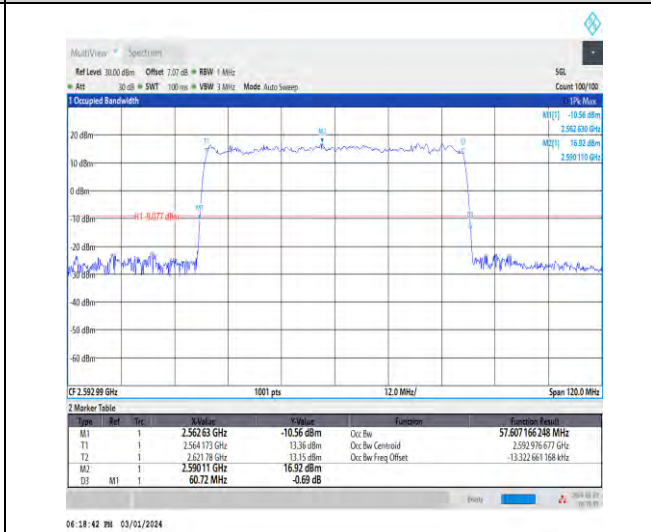
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 nt4-47.534-50.400-≤50-PASS



1-N41-30-60-M-1-DFT-QPSK-Outer_Full-162@0-Ant
 4-57.694-60.720-≤60-PASS



1-N41-30-60-M-2-DFT-PI2BPSK-Outer_Full-162@0-Ant4
 4-57.83-60.720-≤60-PASS



1-N41-30-60-M-3-DFT-16QAM-Outer_Full-162@0-A
 nt4-57.607-60.720-≤60-PASS



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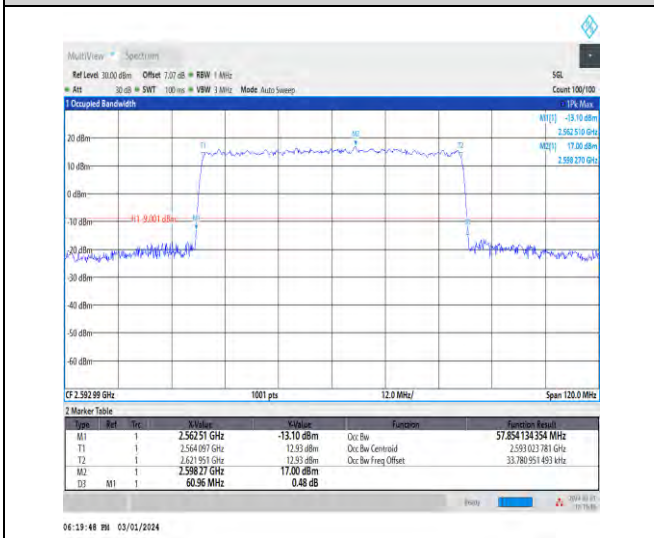
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1-N41-30-60-M-4-DFT-64QAM-Outer_Full-162@0-A
Ant4-57.866-60.720-≤60-PASS



1-N41-30-60-M-5-DFT-256QAM-Outer_Full-162@0-A
Ant4-57.701-60.720-≤60-PASS



1-N41-30-60-M-6-CP-QPSK-Outer_Full-162@0-Ant4
-57.854-60.960-≤60-PASS



1-N41-30-60-M-7-CP-16QAM-Outer_Full-162@0-Ant4
4-57.759-60.720-≤60-PASS



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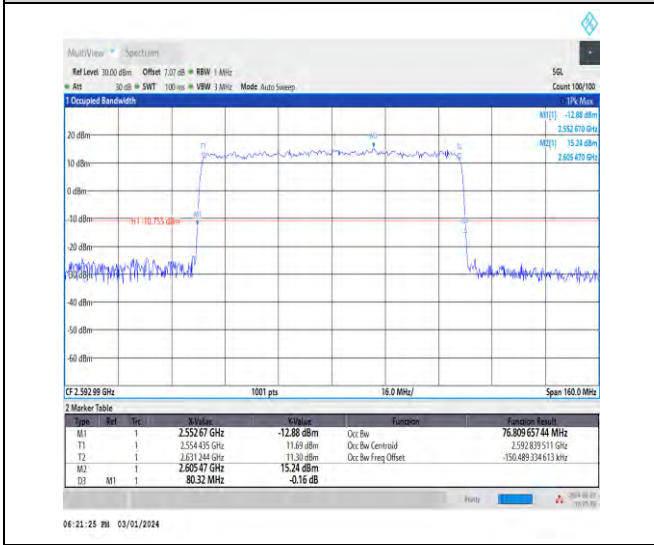
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1-N41-30-60-M-8-CP-64QAM-Outer_Full-162@0-An t4-57.98-60.720-≤ 60-PASS

1-N41-30-60-M-9-CP-256QAM-Outer_Full-162@0-A nt4-57.783-60.840-≤ 60-PASS



1-N41-30-80-M-1-DFT-QPSK-Outer_Full-216@0-Ant 4-76.81-80.320-≤ 80-PASS

1-N41-30-80-M-2-DFT-PI2BPSK-Outer_Full-216@0-Ant4-77.056-80.480-≤ 80-PASS



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1-N41-30-80-M-3-DFT-16QAM-Outer_Full-216@0-A
nt4-76.891-80.320-≤80-PASS



1-N41-30-80-M-4-DFT-64QAM-Outer_Full-216@0-A
nt4-77.012-80.320-≤80-PASS



1-N41-30-80-M-5-DFT-256QAM-Outer_Full-216@0-Ant4
Ant4-76.897-80.320-≤80-PASS



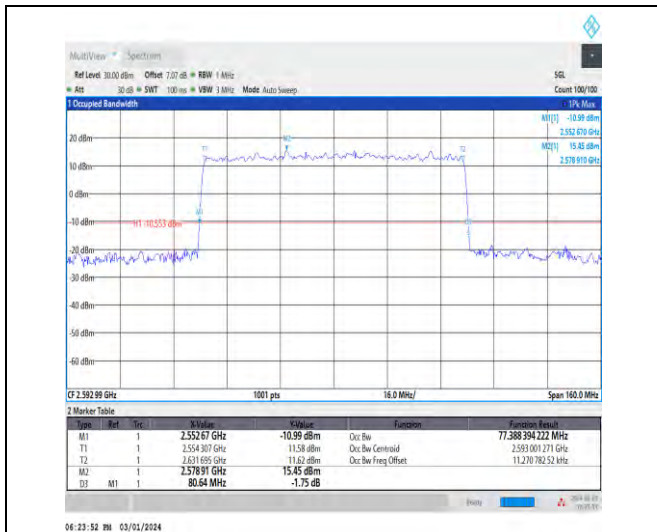
1-N41-30-80-M-6-CP-QPSK-Outer_Full-217@0-Ant4
-77.345-80.640-≤80-PASS



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1-N41-30-80-M-7-CP-16QAM-Outer_Full-217@0-An
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1-N41-30-80-M-8-CP-64QAM-Outer_Full-217@0-Ant
 4-77.497-80.640-<=80-PASS



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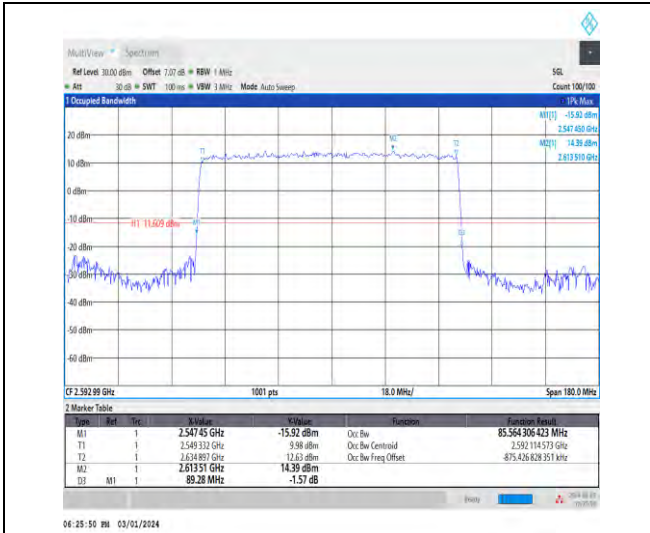


1-N41-30-90-M-1-DFT-QPSK-Outer_Full-240@0-Ant
 4-85.451-88.920-<=90-PASS



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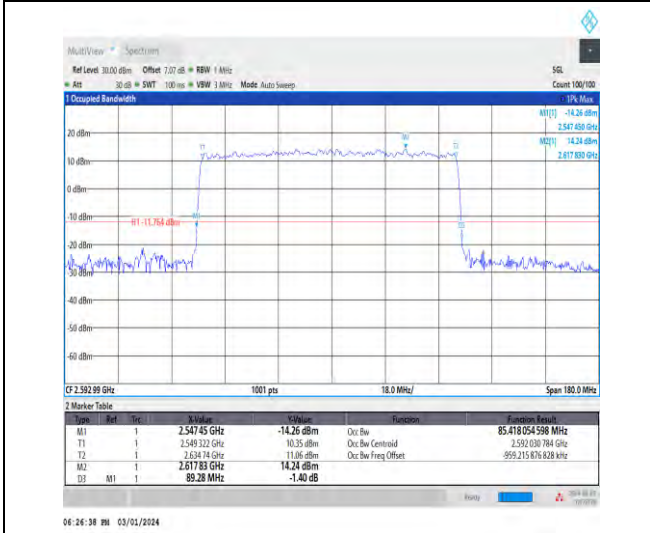
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1-N41-30-90-M-2-DFT-PI2BPSK-Outer_Full-240@0-Ant4-85.564-89.280-≤90-PASS



1-N41-30-90-M-3-DFT-16QAM-Outer_Full-240@0-Ant4-85.361-88.920-≤90-PASS



1-N41-30-90-M-4-DFT-64QAM-Outer_Full-240@0-Ant4-85.418-89.280-≤90-PASS



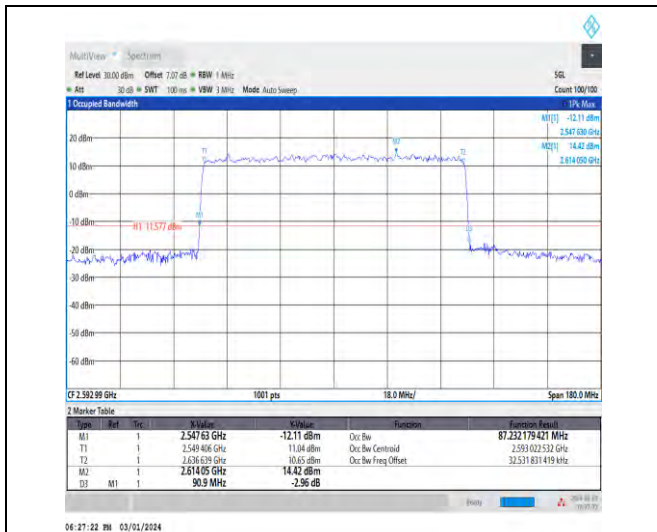
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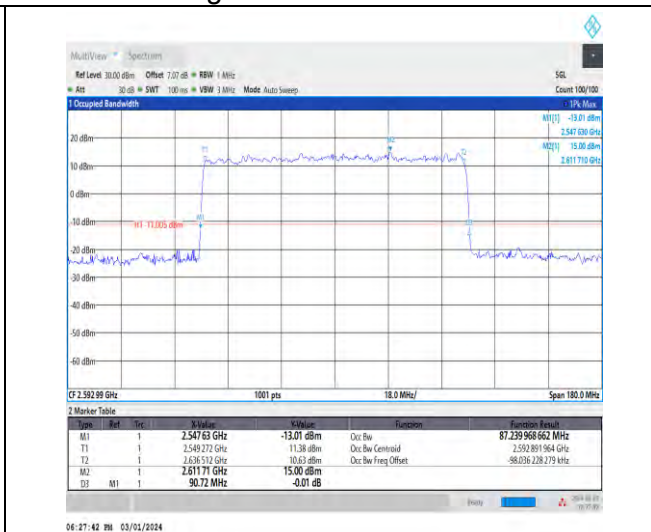
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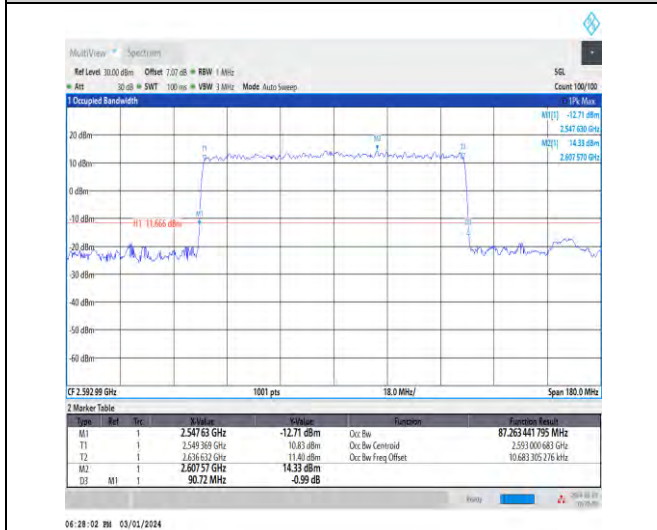
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1-N41-30-90-M-6-CP-QPSK-Outer_Full-245@0-Ant4
 -87.232-90.900-≤90-PASS



1-N41-30-90-M-7-CP-16QAM-Outer_Full-245@0-Ant4
 4-87.24-90.720-≤90-PASS



1-N41-30-90-M-8-CP-64QAM-Outer_Full-245@0-Ant4
 t4-87.263-90.720-≤90-PASS



1-N41-30-90-M-9-CP-256QAM-Outer_Full-245@0-Ant4
 t4-87.33-90.900-≤90-PASS



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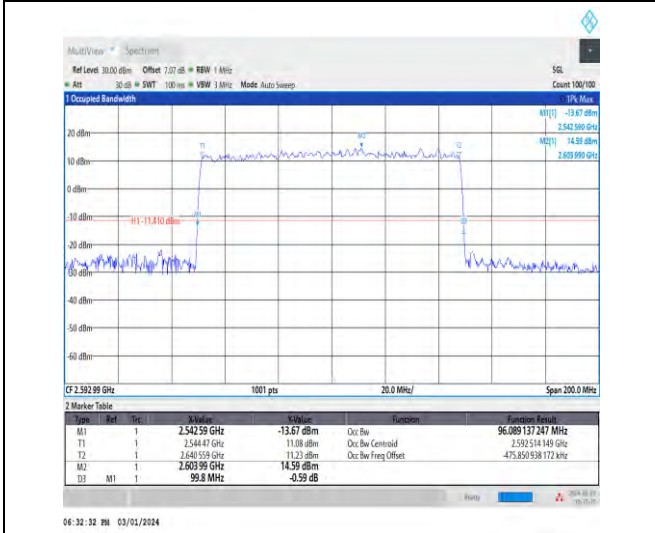
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1-N41-30-100-M-1-DFT-QPSK-Outer_Full-270@0-A
Ant4-96.136-99.800-≤100-PASS



1-N41-30-100-M-2-DFT-PI2BPSK-Outer_Full-270@0-A
-Ant4-96.239-100.200-≤100-PASS



1-N41-30-100-M-3-DFT-16QAM-Outer_Full-270@0-A
Ant4-96.089-99.800-≤100-PASS



1-N41-30-100-M-4-DFT-64QAM-Outer_Full-270@0-A
Ant4-96.084-99.800-≤100-PASS



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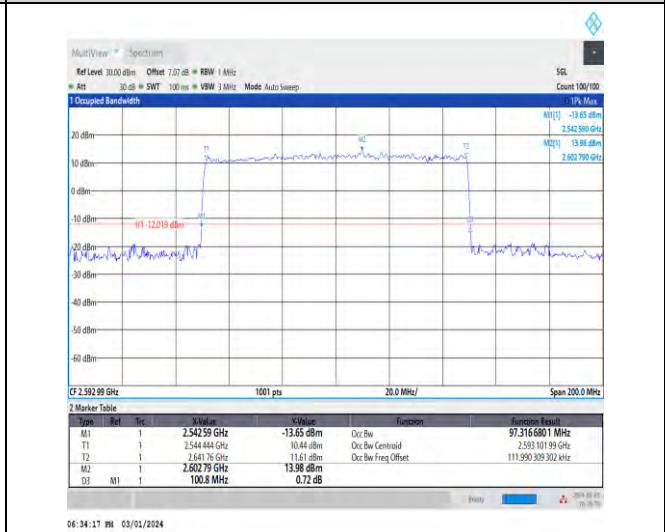
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1-N41-30-100-M-6-CP-QPSK-Outer_Full-273@0-Ant 4-97.246-101.200-≤100-PASS



1-N41-30-100-M-7-CP-16QAM-Outer_Full-273@0-A nt4-97.141-101.000-≤100-PASS



1-N41-30-100-M-8-CP-64QAM-Outer_Full-273@0-A nt4-97.317-100.800-≤100-PASS



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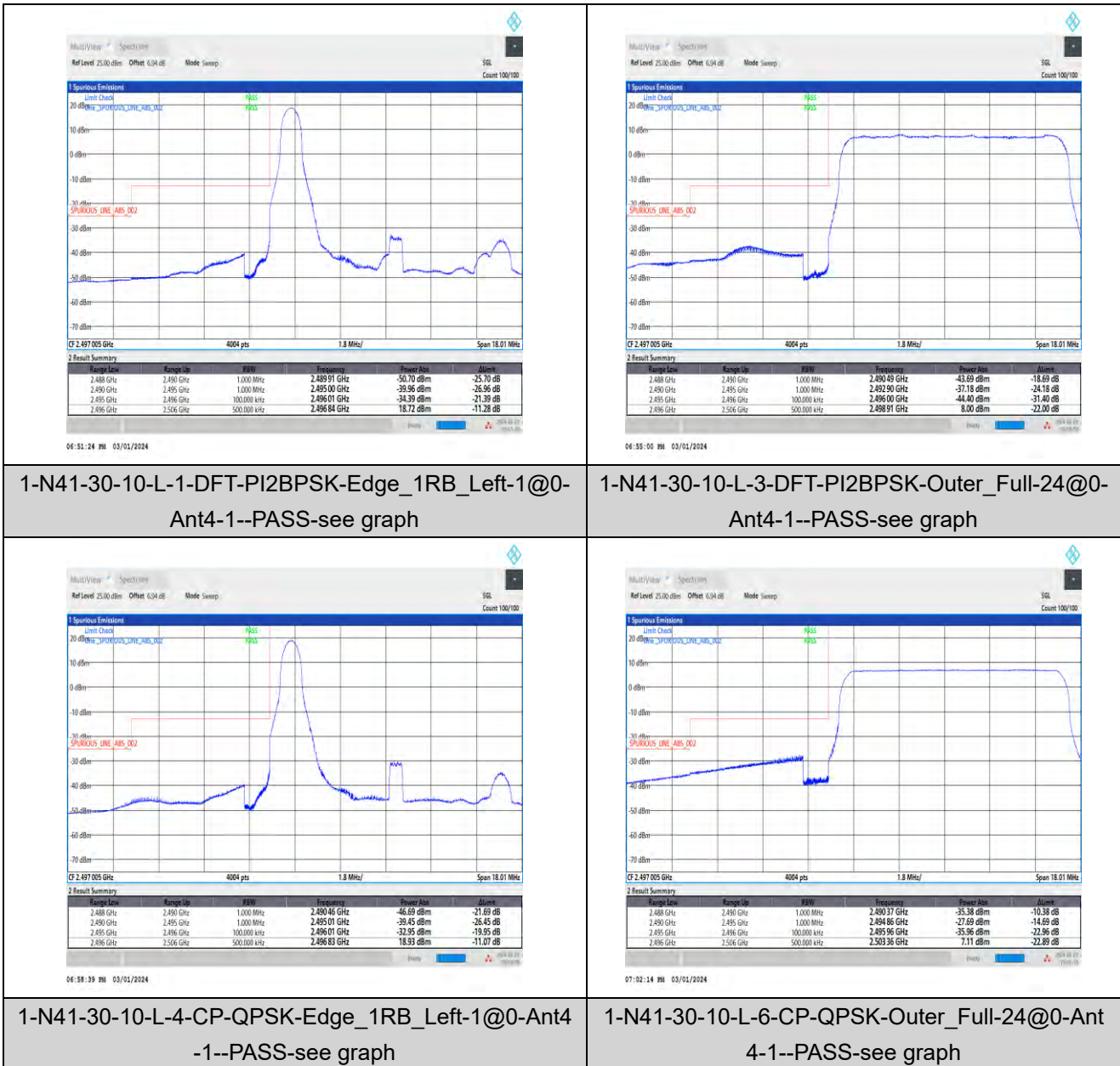
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Band Edge for SA

Test Graphs



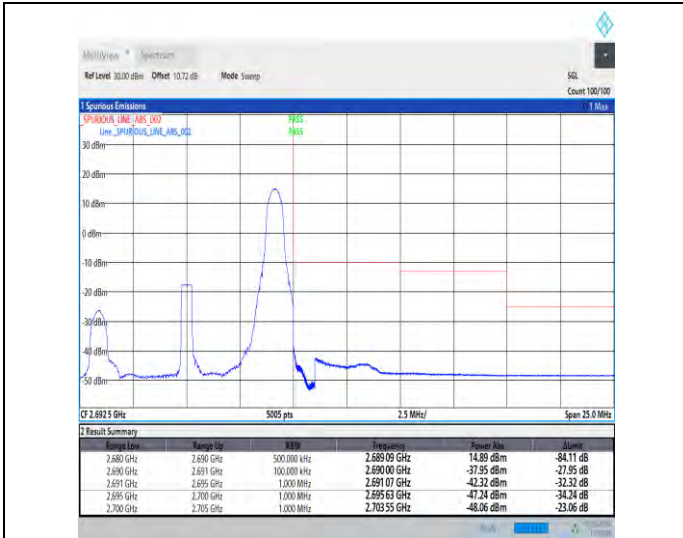
SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd.
Wireless Laboratory

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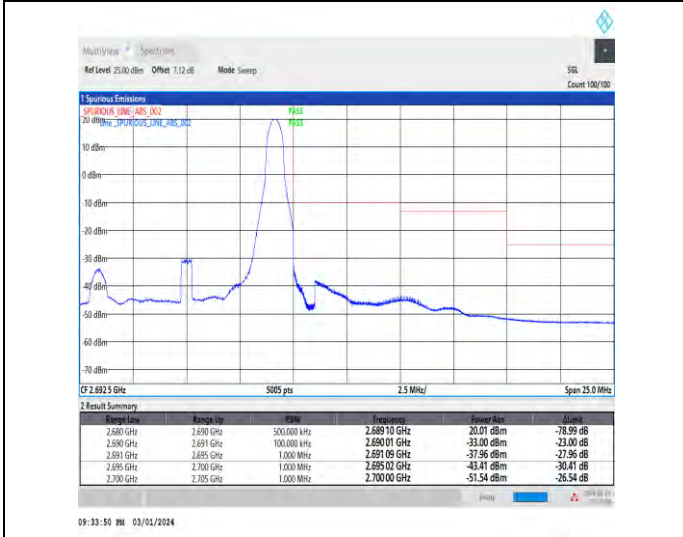
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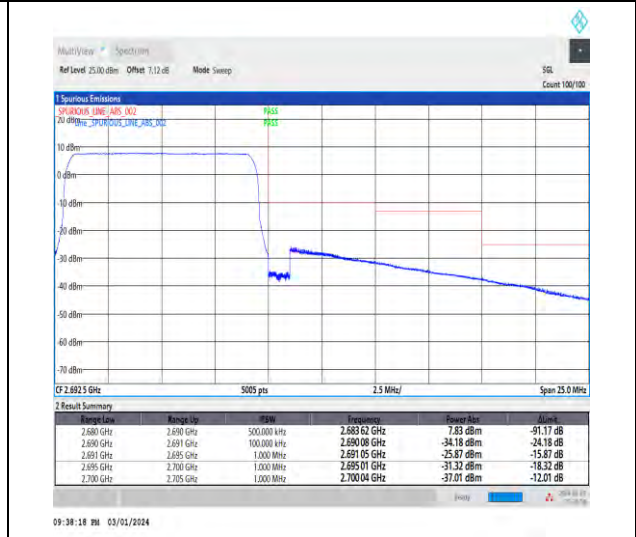
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1-N41-30-10-H-3-DFT-PI2BPSK-Outer_Full-24@0-Ant4-1--PASS-see graph



1-N41-30-10-H-5-CP-QPSK-Edge_1RB_Right-1@23-Ant4-1--PASS-see graph



1-N41-30-10-H-6-CP-QPSK-Outer_Full-24@0-Ant4-1--PASS-see graph



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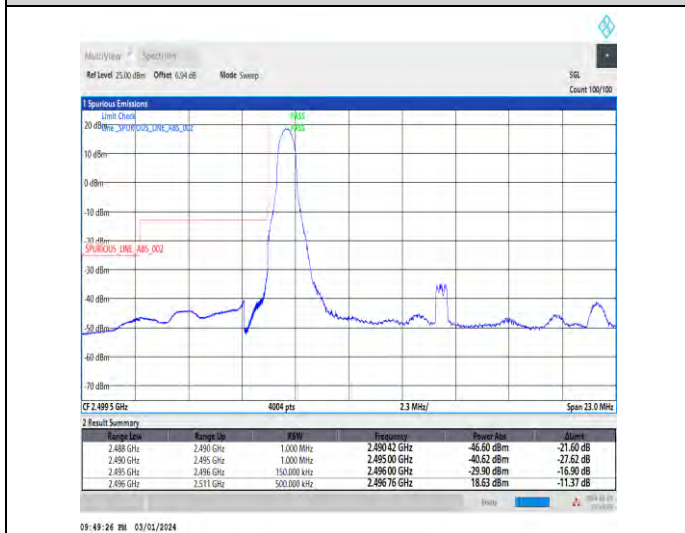
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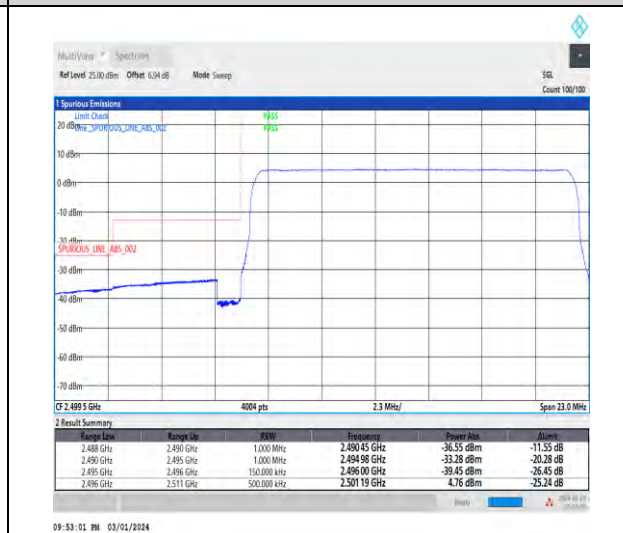
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1-N41-30-15-L-3-DFT-PI2BPSK-Outer_Full-36@0-Ant4-1--PASS-see graph



1-N41-30-15-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant4-1--PASS-see graph



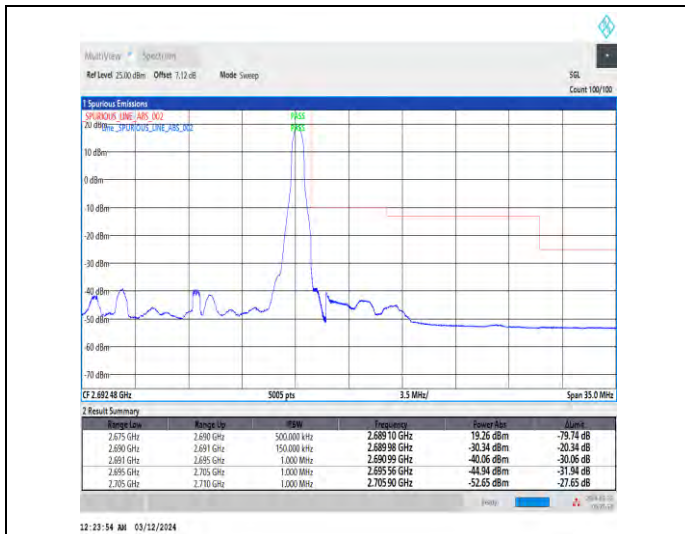
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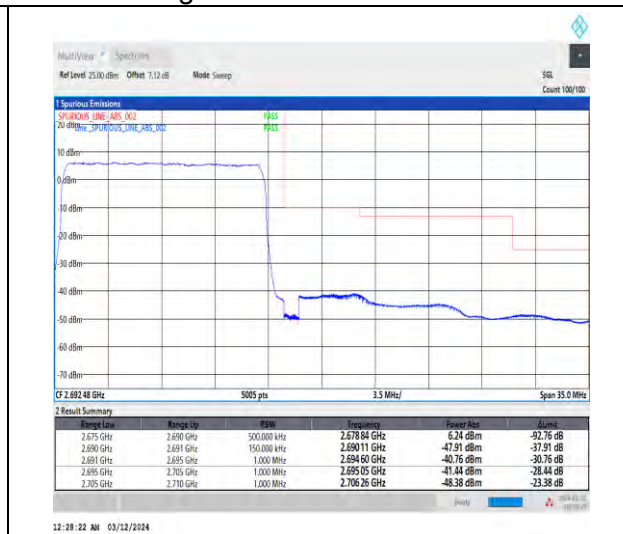
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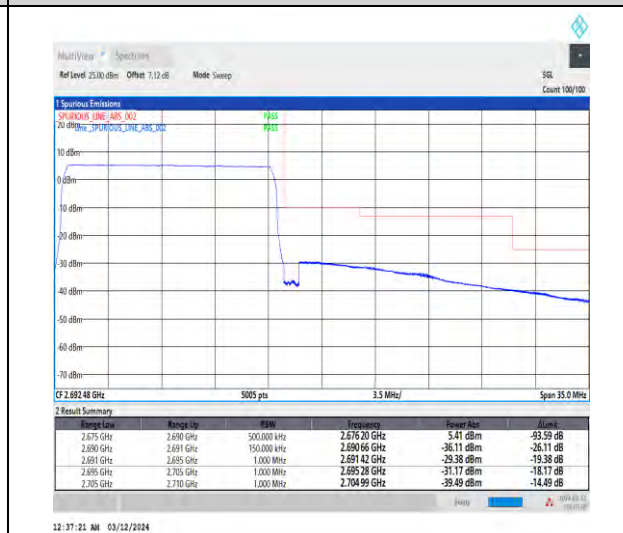
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1-N41-30-15-H-3-DFT-PI2BPSK-Outer_Full-36@0-Ant4-1--PASS-see graph



1-N41-30-15-H-5-CP-QPSK-Edge_1RB_Right-1@37-Ant4-1--PASS-see graph

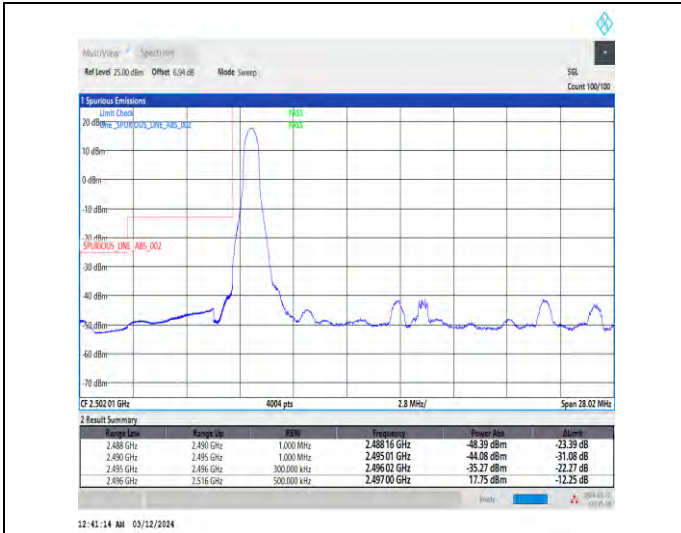


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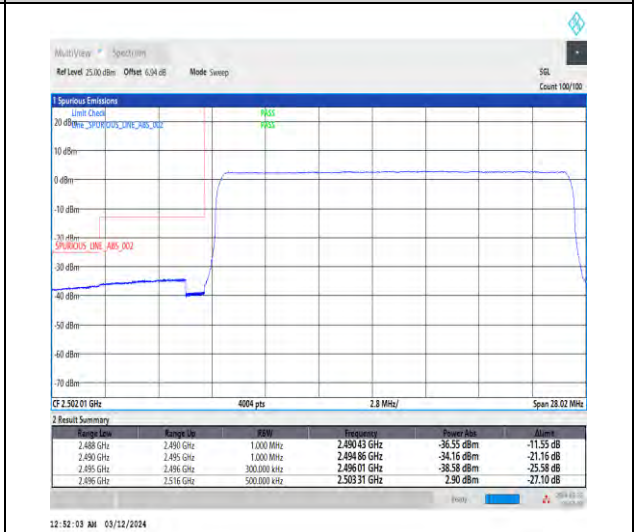
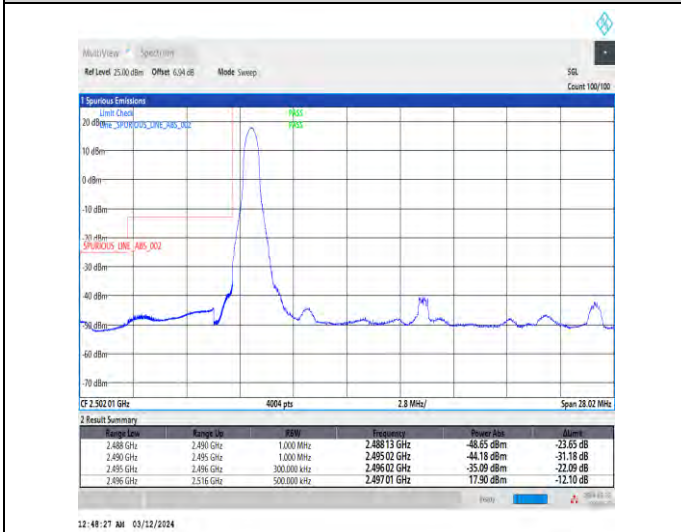
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1-N41-30-20-L-1-DFT-PI2BPSK-Edge_1RB_Left-1@0-Ant4-1--PASS-see graph

1-N41-30-20-L-3-DFT-PI2BPSK-Outer_Full-50@0-Ant4-1--PASS-see graph



1-N41-30-20-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant4-1--PASS-see graph

1-N41-30-20-L-6-CP-QPSK-Outer_Full-51@0-Ant4-1--PASS-see graph



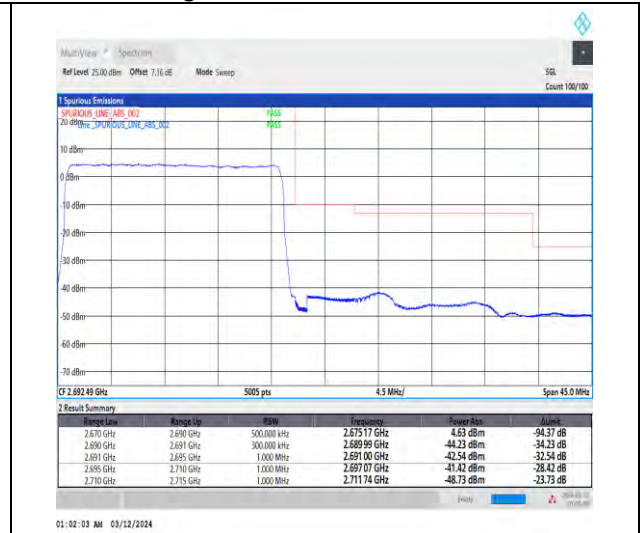
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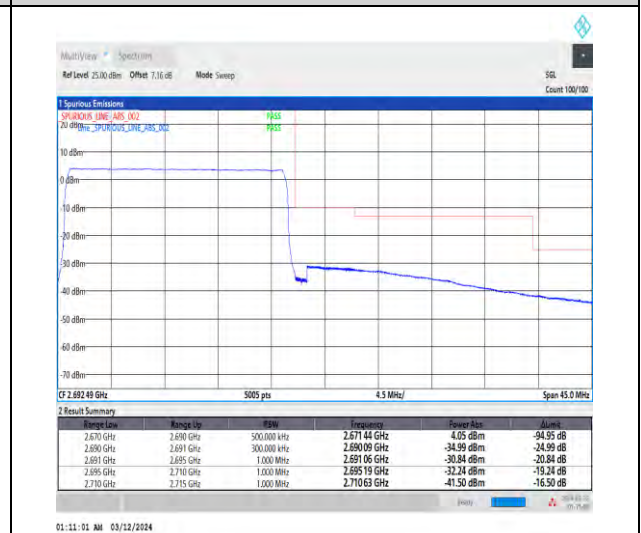
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1-N41-30-20-H-3-DFT-PI2BPSK-Outer_Full-50@0-Ant4-1--PASS-see graph



1-N41-30-20-H-5-CP-QPSK-Edge_1RB_Right-1@50-Ant4-1--PASS-see graph



1-N41-30-20-H-6-CP-QPSK-Outer_Full-51@0-Ant4-1--PASS-see graph



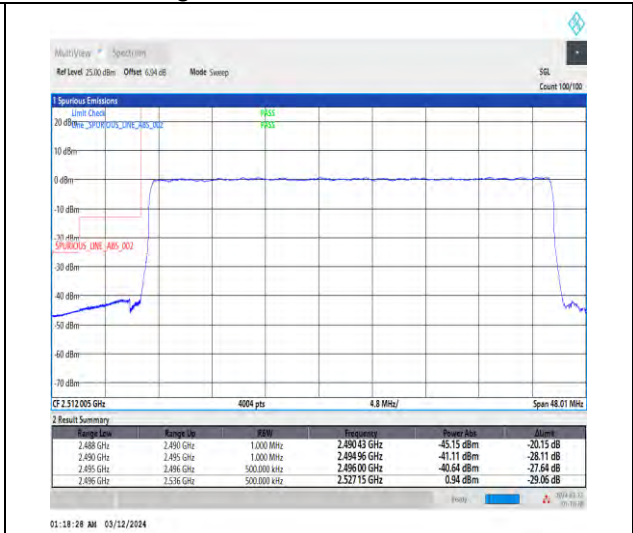
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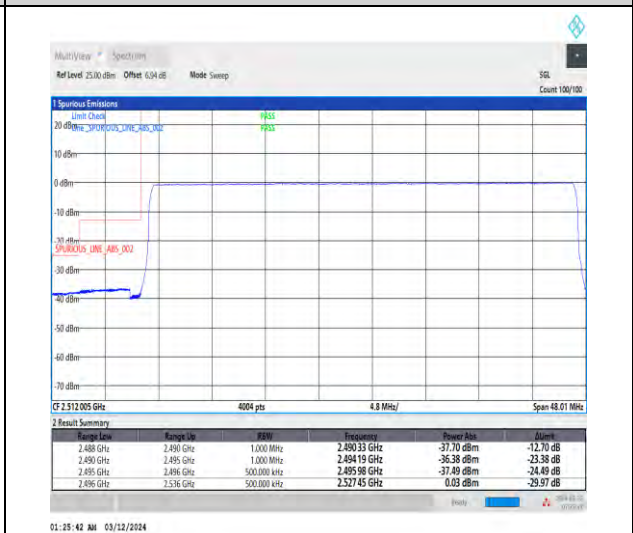
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1-N41-30-40-L-3-DFT-PI2BPSK-Outer_Full-100@0-Ant4-1--PASS-see graph



1-N41-30-40-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant4-1--PASS-see graph



1-N41-30-40-L-6-CP-QPSK-Outer_Full-106@0-Ant4-1--PASS-see graph



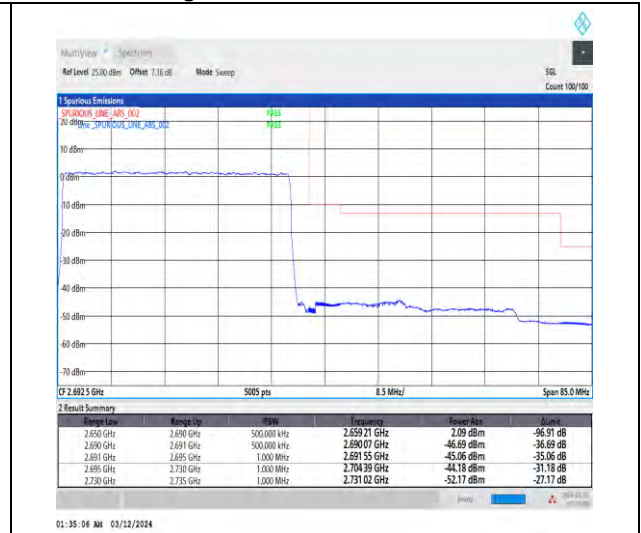
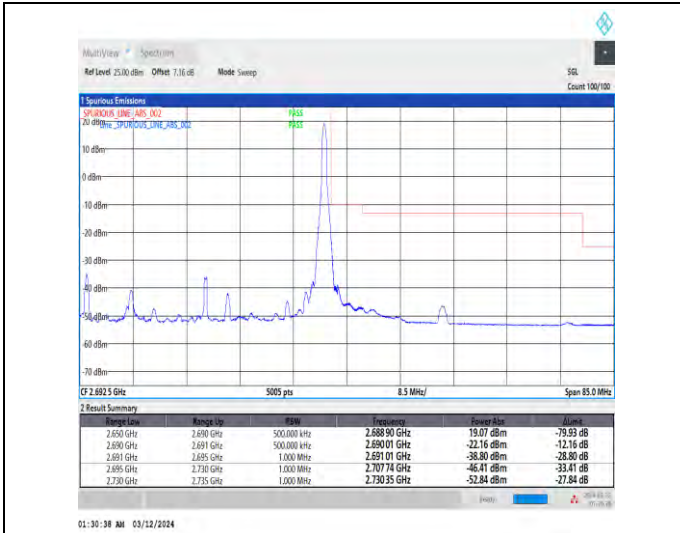
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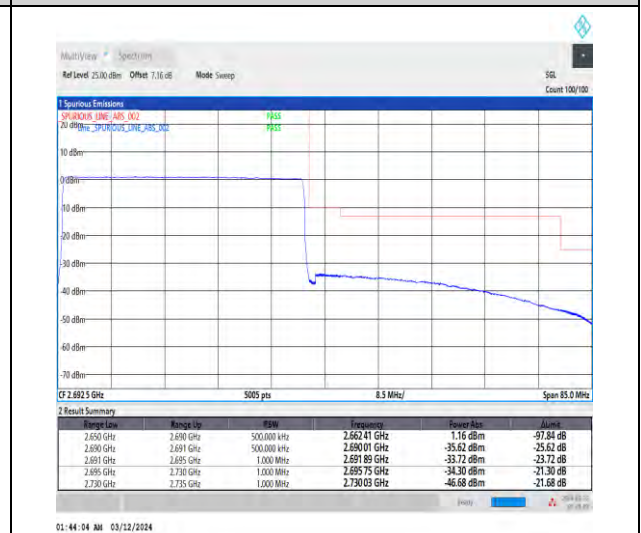
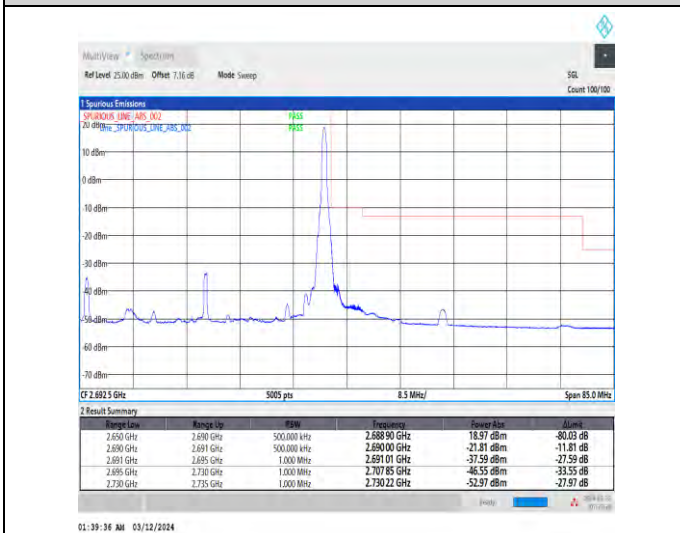
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1-N41-30-40-H-2-DFT-PI2BPSK-Edge_1RB_Right-1@105-Ant4-1--PASS-see graph

1-N41-30-40-H-3-DFT-PI2BPSK-Outer_Full-100@0-Ant4-1--PASS-see graph



1-N41-30-40-H-5-CP-QPSK-Edge_1RB_Right-1@105-Ant4-1--PASS-see graph

1-N41-30-40-H-6-CP-QPSK-Outer_Full-106@0-Ant4-1--PASS-see graph



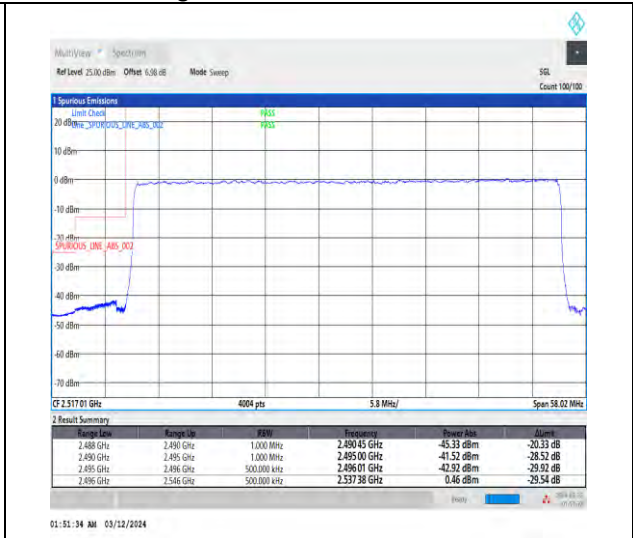
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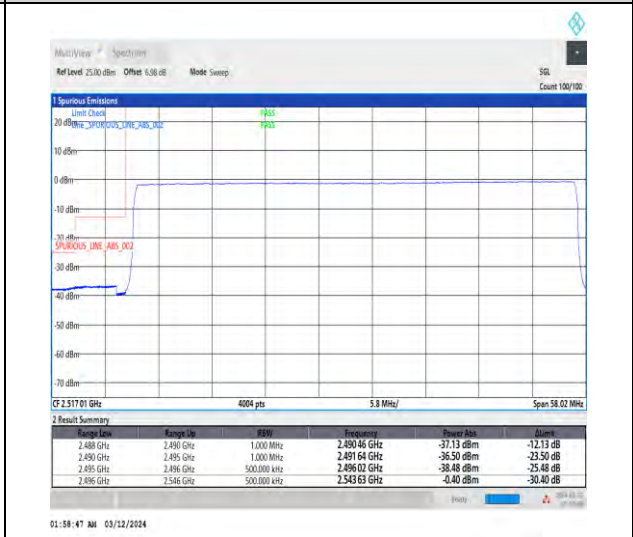
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1-N41-30-50-L-3-DFT-PI2BPSK-Outer_Full-128@0-Ant4-1--PASS-see graph



1-N41-30-50-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant4-1--PASS-see graph



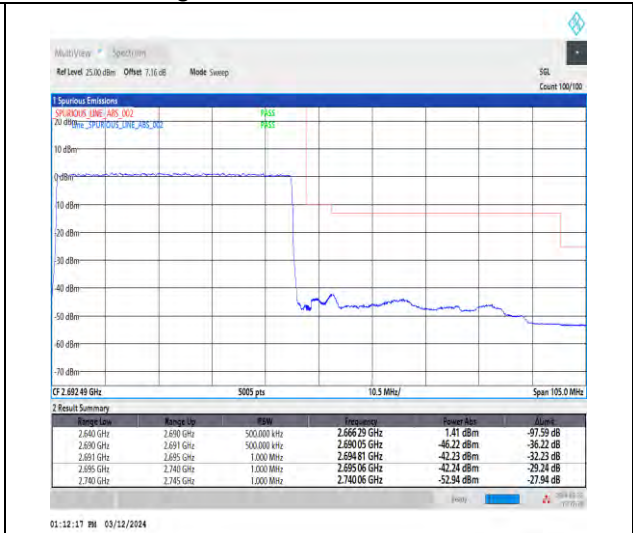
1-N41-30-50-L-6-CP-QPSK-Outer_Full-133@0-Ant4-1--PASS-see graph



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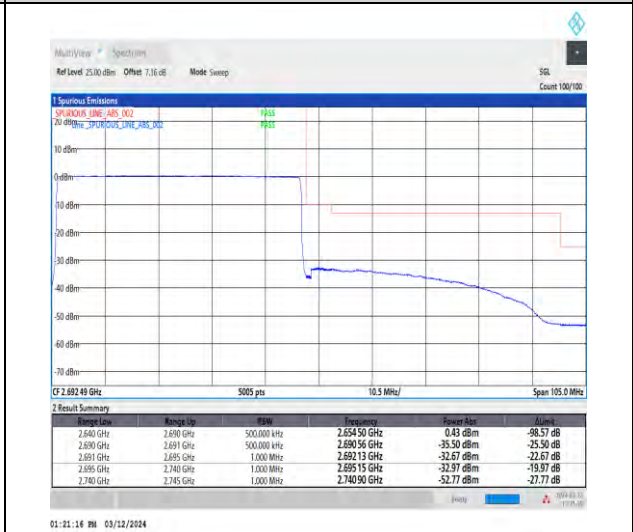
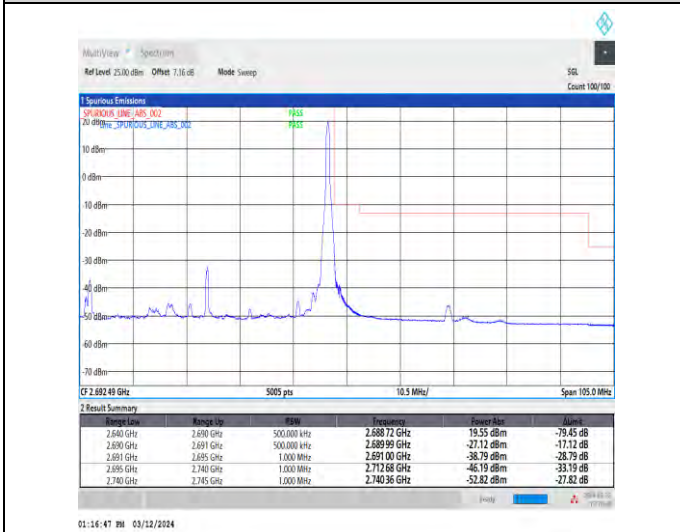
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1-N41-30-50-H-2-DFT-PI2BPSK-Edge_1RB_Right-1@132-Ant4-1--PASS-see graph

1-N41-30-50-H-3-DFT-PI2BPSK-Outer_Full-128@0-Ant4-1--PASS-see graph



1-N41-30-50-H-5-CP-QPSK-Edge_1RB_Right-1@132-Ant4-1--PASS-see graph

1-N41-30-50-H-6-CP-QPSK-Outer_Full-133@0-Ant4-1--PASS-see graph



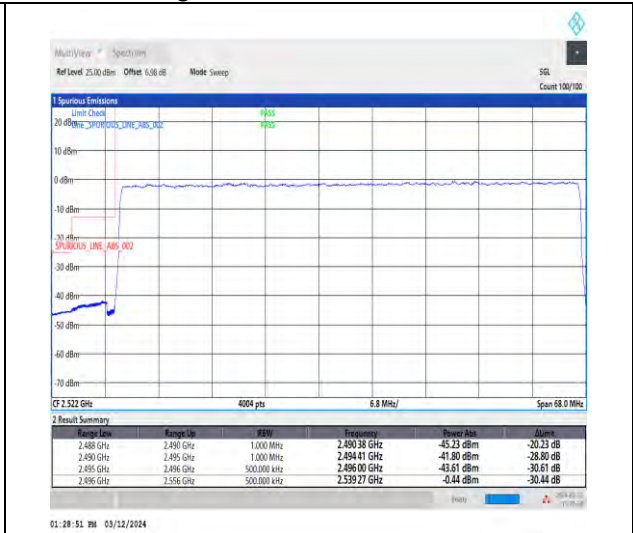
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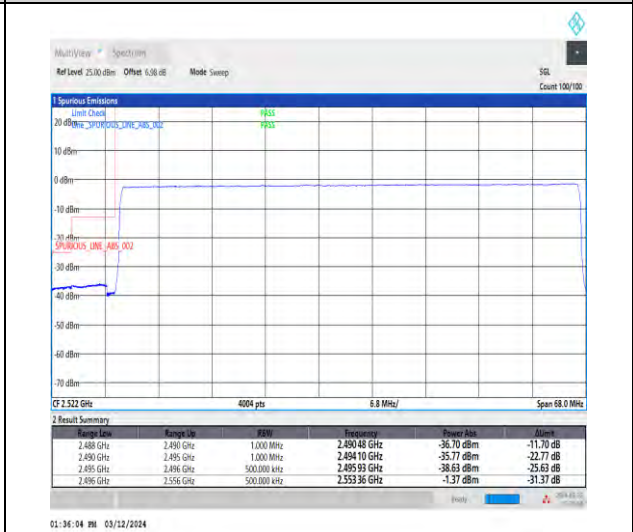
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1-N41-30-60-L-3-DFT-PI2BPSK-Outer_Full-162@0-Ant4-1--PASS-see graph



1-N41-30-60-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant4-1--PASS-see graph



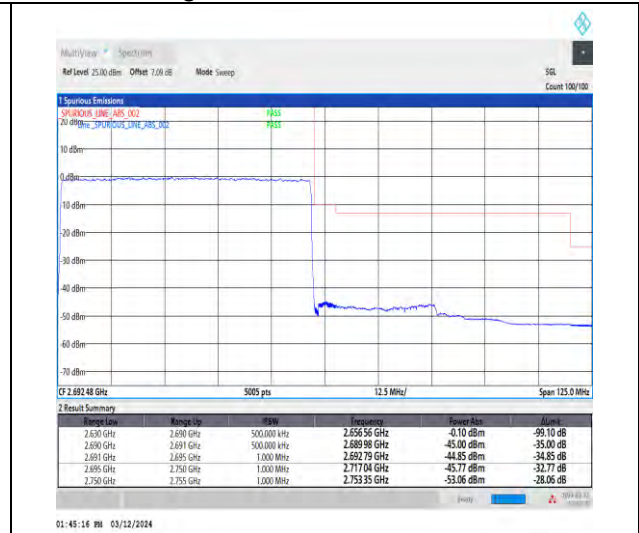
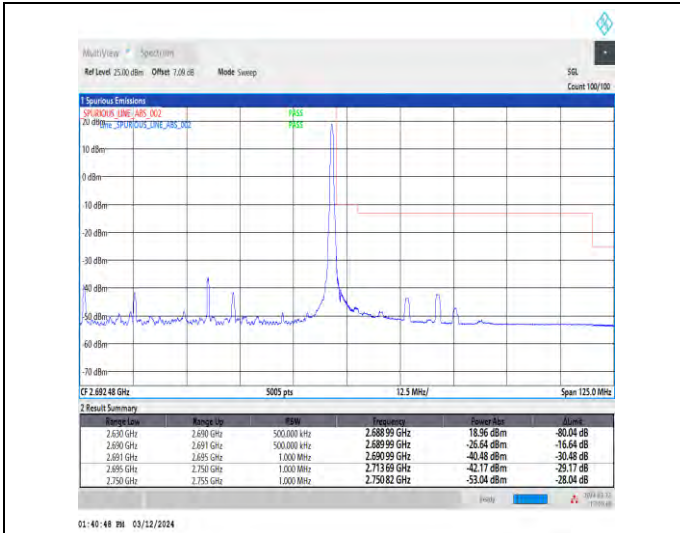
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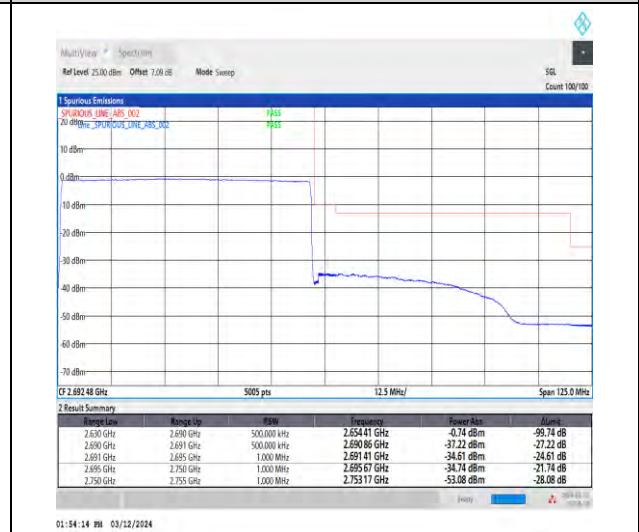
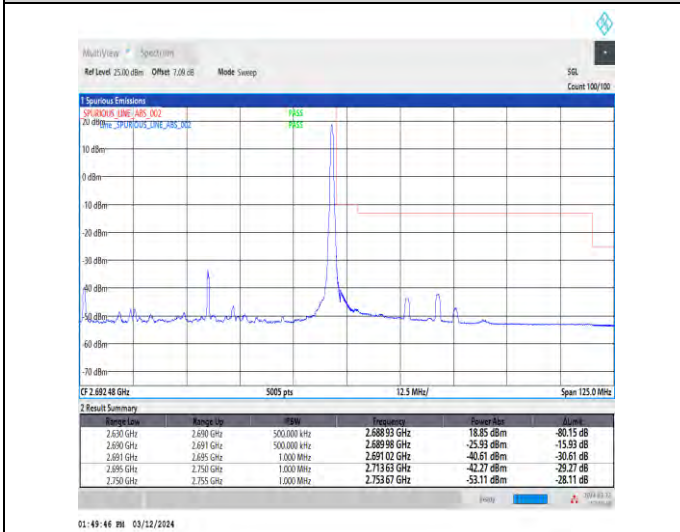
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1-N41-30-60-H-2-DFT-PI2BPSK-Edge_1RB_Right-1@161-Ant4-1--PASS-see graph

1-N41-30-60-H-3-DFT-PI2BPSK-Outer_Full-162@0-Ant4-1--PASS-see graph



1-N41-30-60-H-5-CP-QPSK-Edge_1RB_Right-1@161-Ant4-1--PASS-see graph

1-N41-30-60-H-6-CP-QPSK-Outer_Full-162@0-Ant4-1--PASS-see graph



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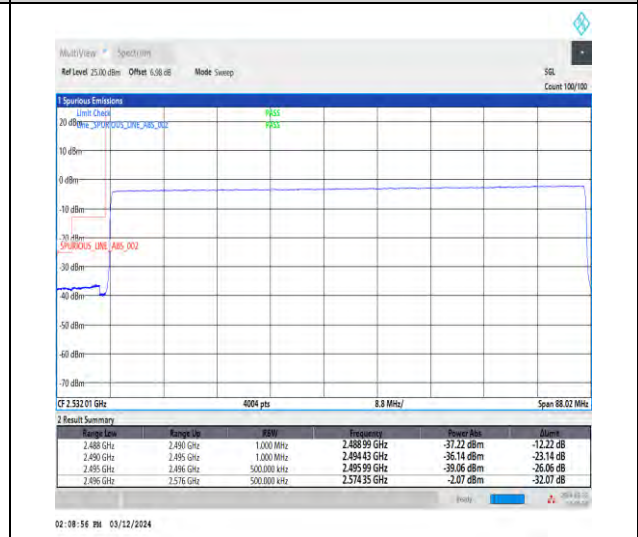
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1-N41-30-80-L-3-DFT-PI2BPSK-Outer_Full-216@0-Ant4-1--PASS-see graph



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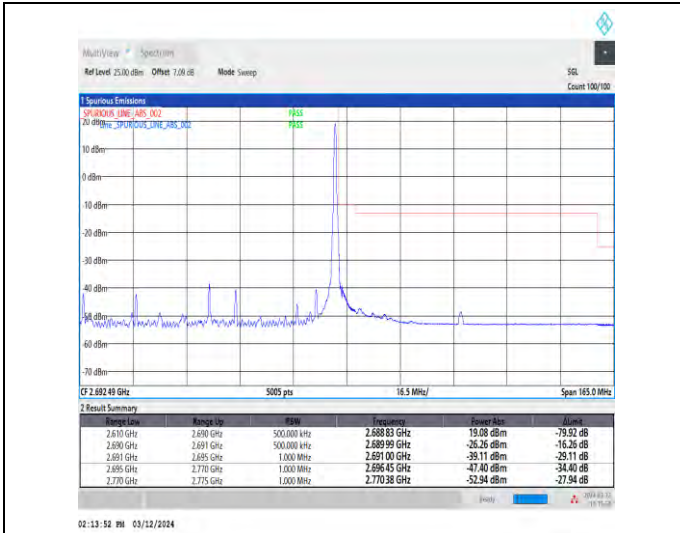
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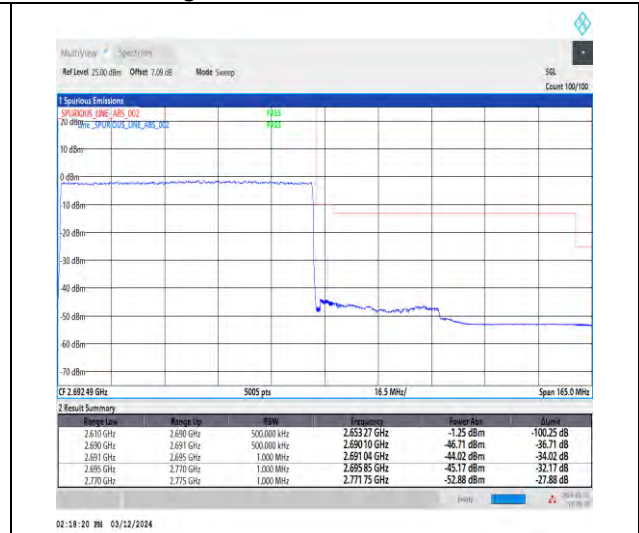
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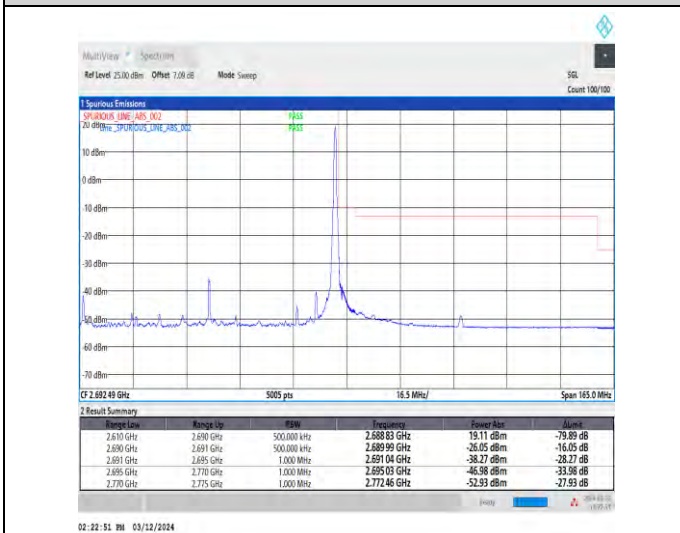
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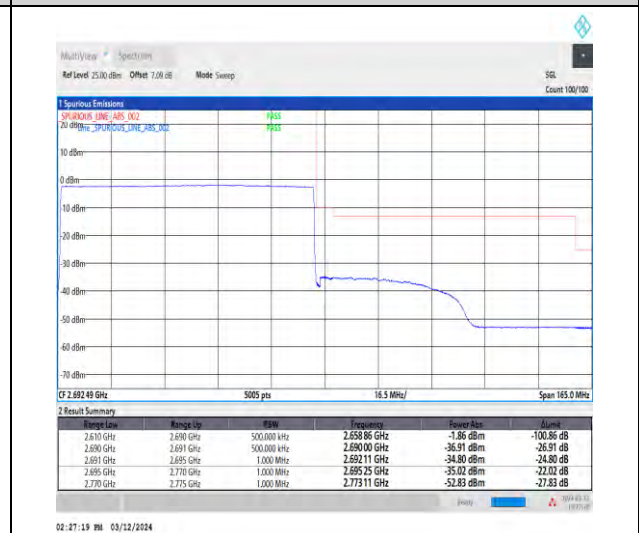
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1-N41-30-80-H-3-DFT-PI2BPSK-Outer_Full-216@0-Ant4-1--PASS-see graph



1-N41-30-80-H-5-CP-QPSK-Edge_1RB_Right-1@216-Ant4-1--PASS-see graph



1-N41-30-80-H-6-CP-QPSK-Outer_Full-217@0-Ant4-1--PASS-see graph



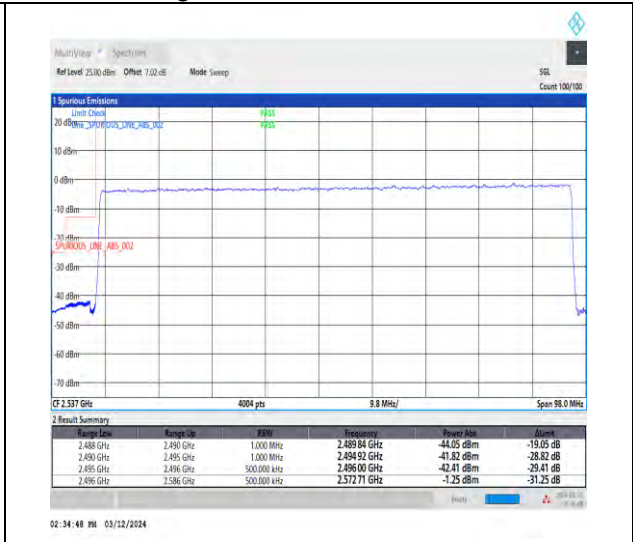
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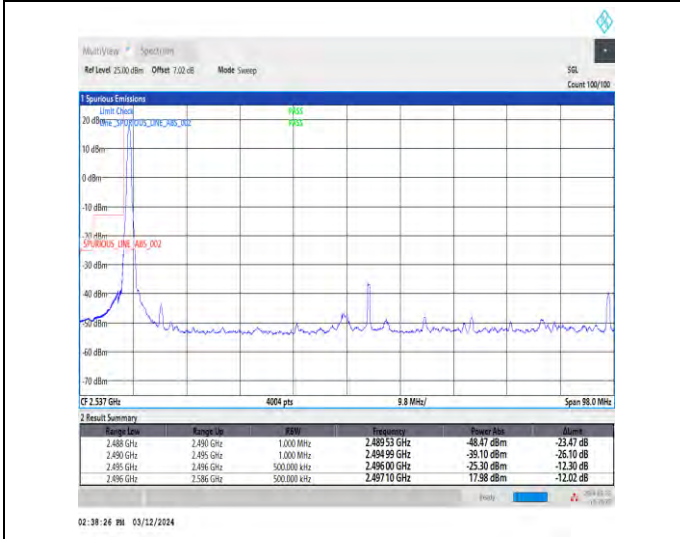
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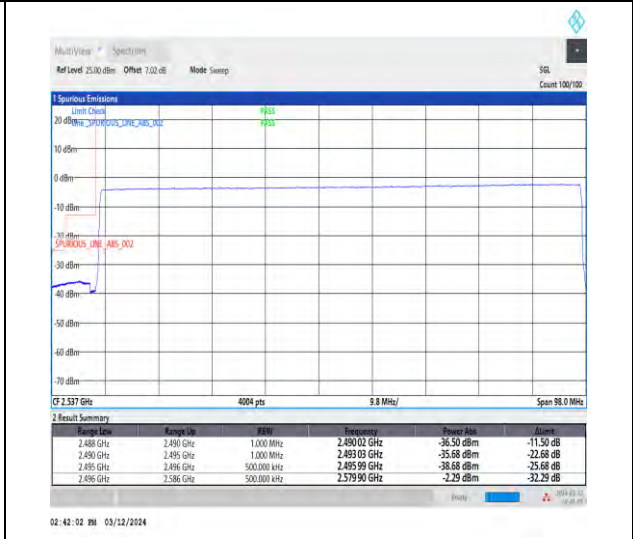
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1-N41-30-90-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant4-1--PASS-see graph



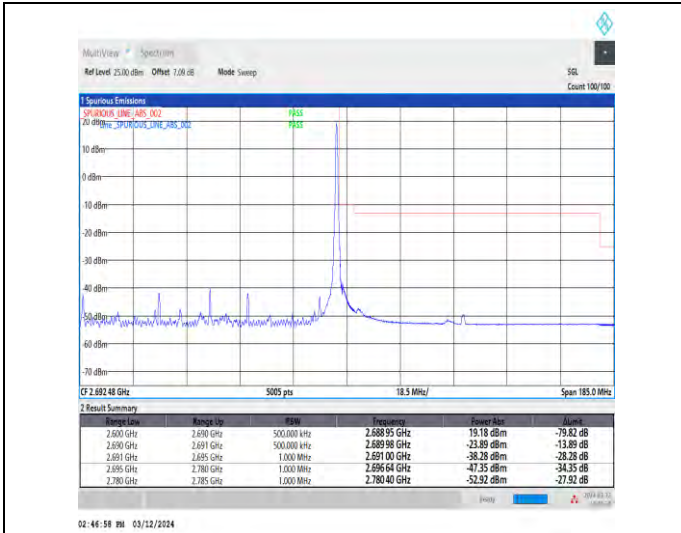
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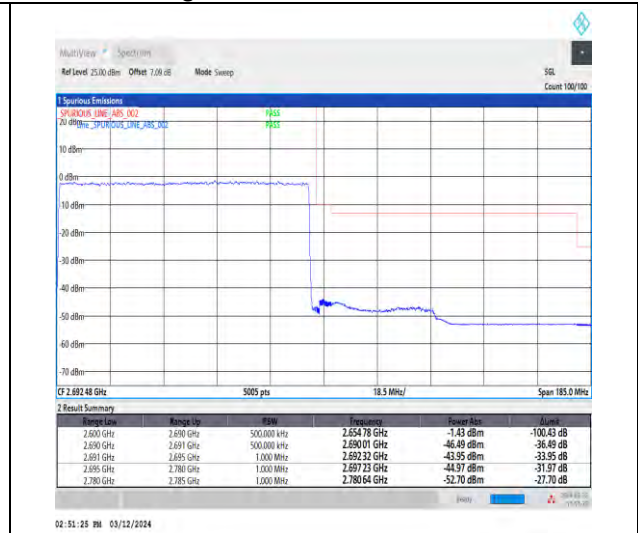
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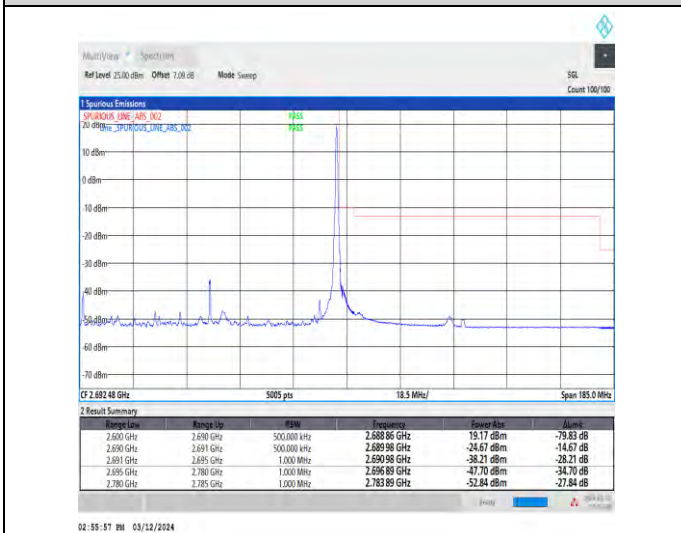
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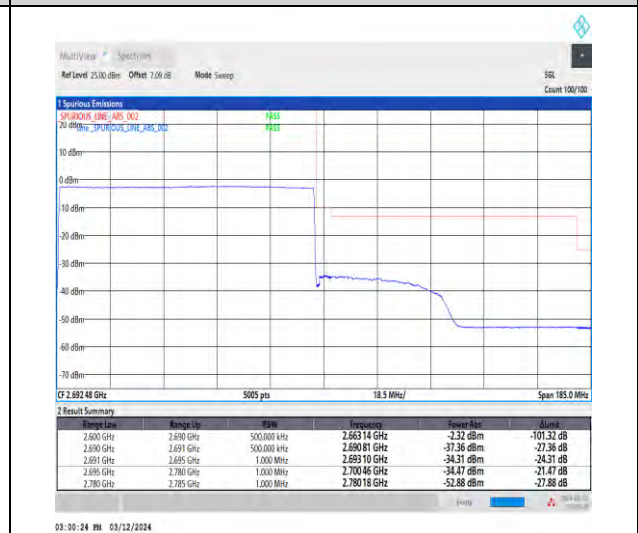
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244-Ant4-1--PASS-see graph



1-N41-30-90-H-3-DFT-PI2BPSK-Outer_Full-240@
0-Ant4-1--PASS-see graph



1-N41-30-90-H-5-CP-QPSK-Edge_1RB_Right-1@244-
Ant4-1--PASS-see graph



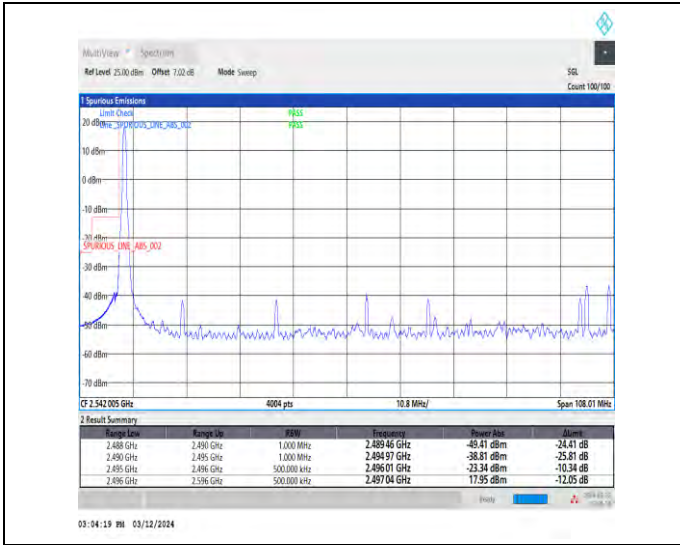
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nt4-1--PASS-see graph



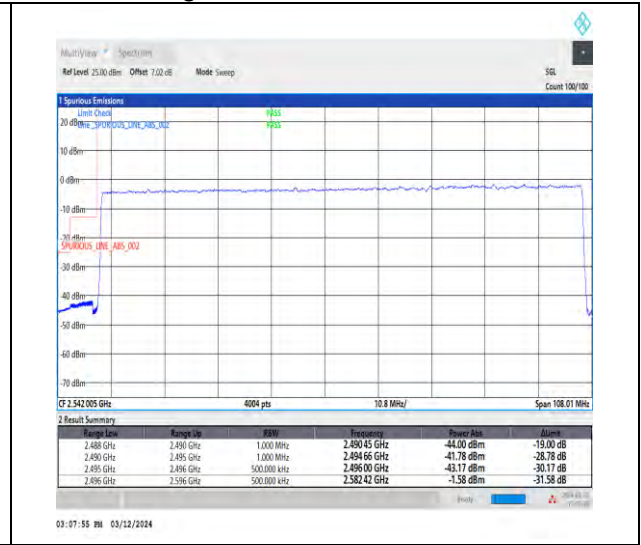
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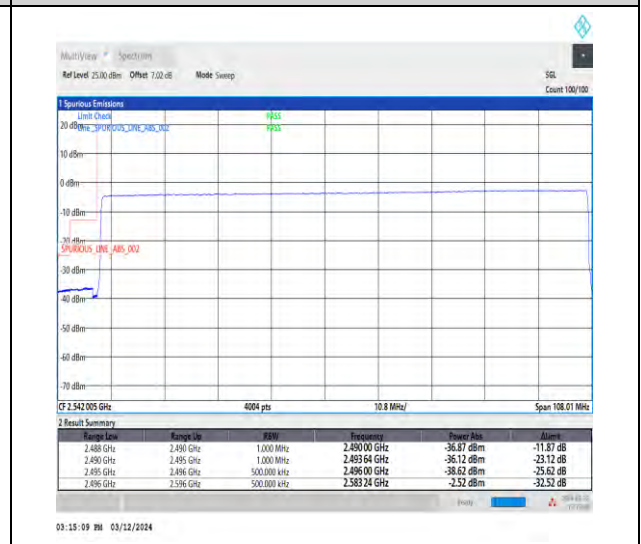
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1-N41-30-100-L-3-DFT-PI2BPSK-Outer_Full-270@0-Ant4-1--PASS-see graph



1-N41-30-100-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant4-1--PASS-see graph



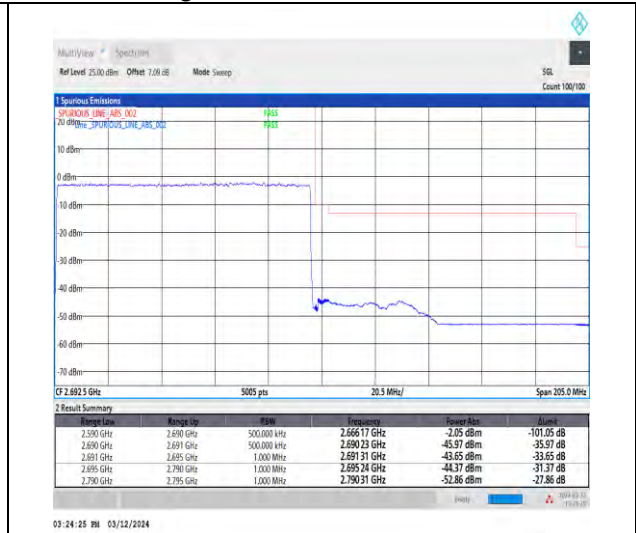
1-N41-30-100-L-6-CP-QPSK-Outer_Full-273@0-Ant4-1--PASS-see graph



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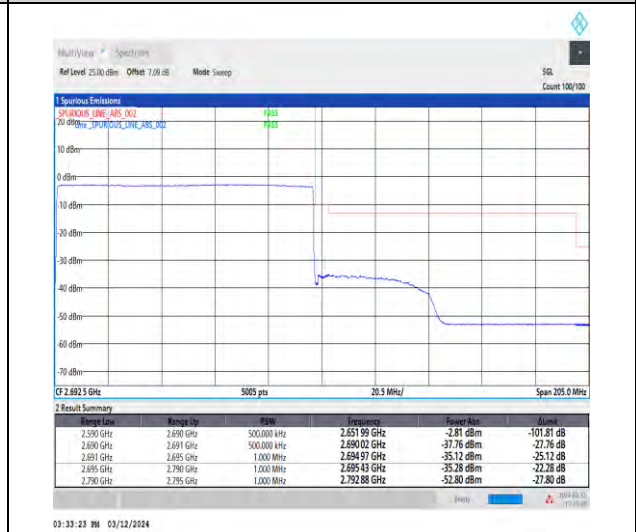
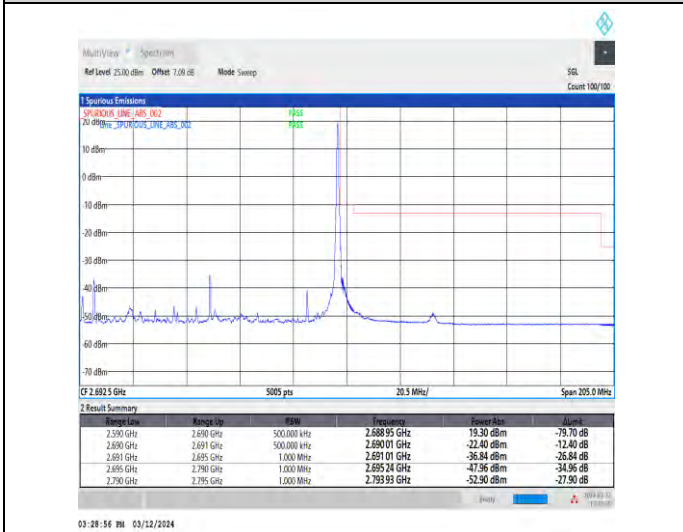
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1-N41-30-100-H-2-DFT-PI2BPSK-Edge_1RB_Right-1 @272-Ant4-1--PASS-see graph

1-N41-30-100-H-3-DFT-PI2BPSK-Outer_Full-270 @0-Ant4-1--PASS-see graph



1-N41-30-100-H-5-CP-QPSK-Edge_1RB_Right-1@272 -Ant4-1--PASS-see graph

1-N41-30-100-H-6-CP-QPSK-Outer_Full-273@0-Ant4-1--PASS-see graph



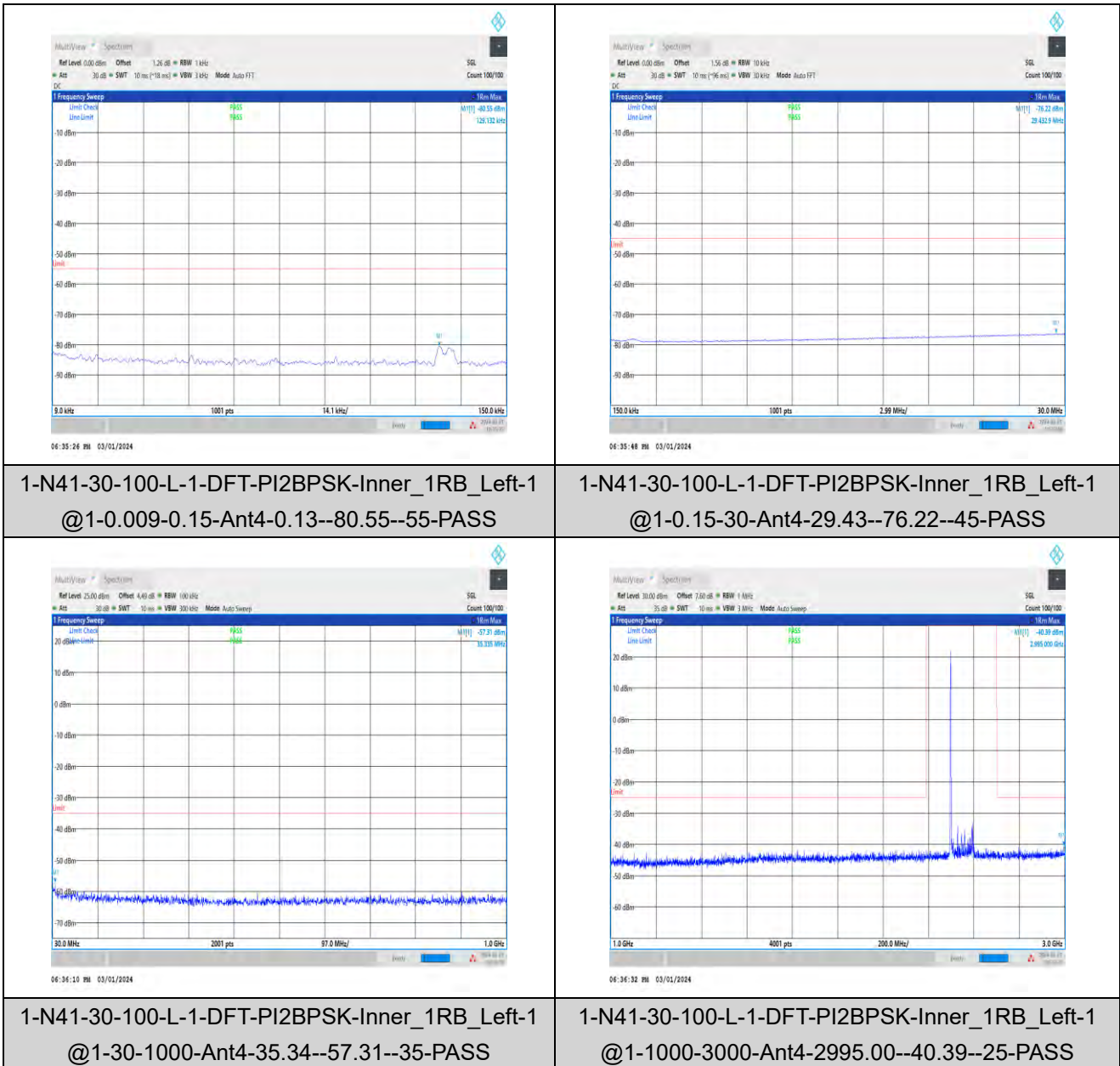
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Conducted Spurious Emission for SA

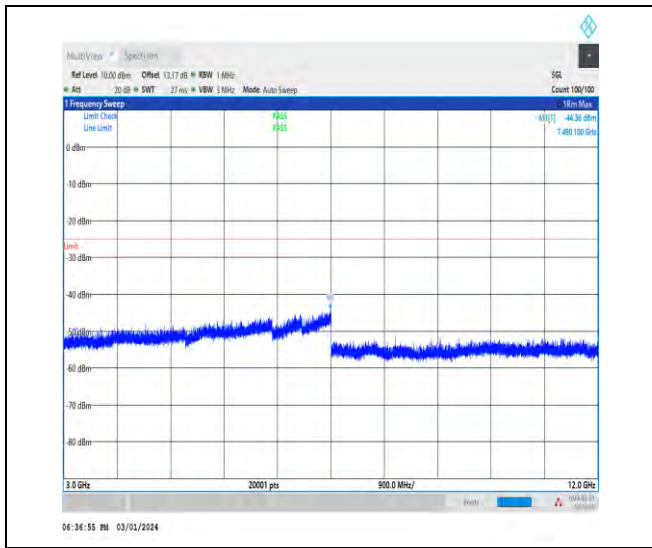
Test Graphs



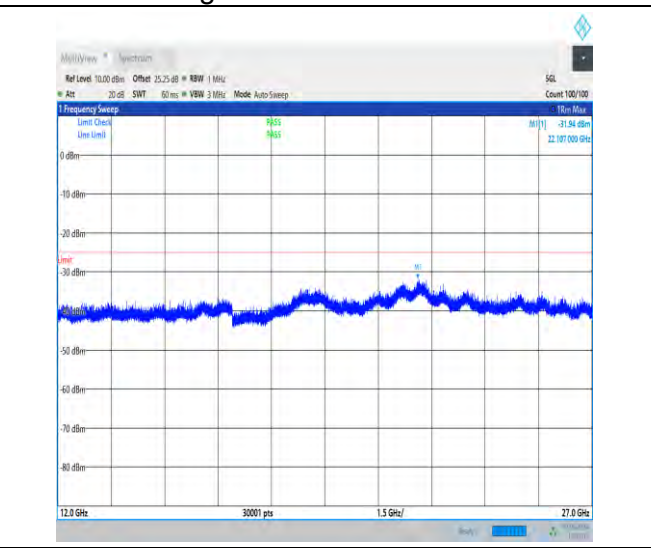
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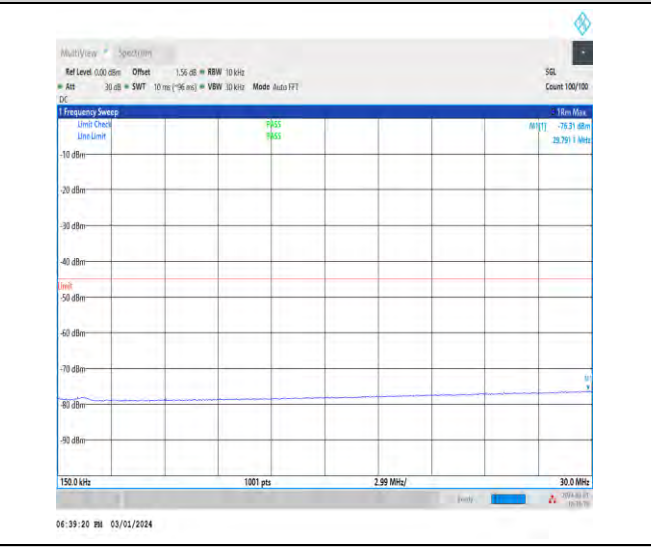
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 @1-3000-12000-Ant4-7490.10--44.36--25-PASS



1-N41-30-100-L-1-DFT-PI2BPSK-Inner_1RB_Left-1
 @1-12000-27000-Ant4-22254.00--36.77--25-PASS



1-N41-30-100-M-1-DFT-PI2BPSK-Inner_1RB_Left-1
 @1-0.009-0.15-Ant4-0.13--81.34--55-PASS



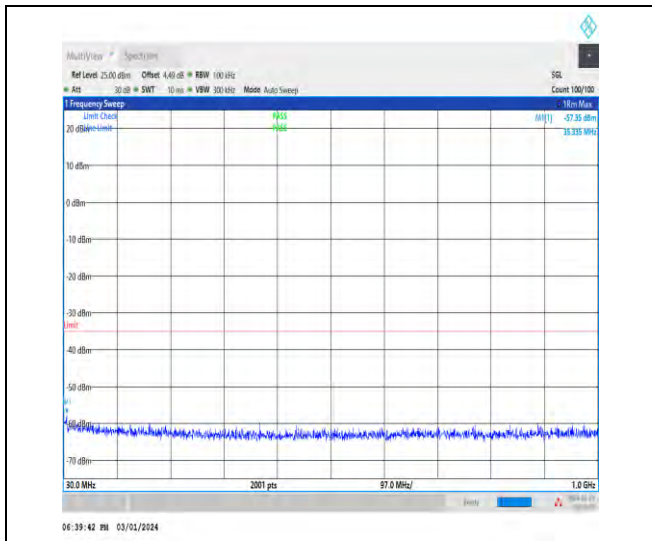
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 @1-0.15-30-Ant4-29.79--76.31--45-PASS



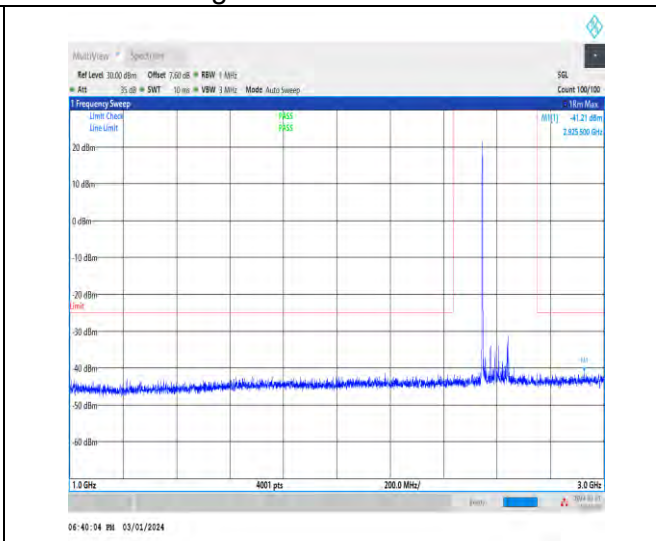
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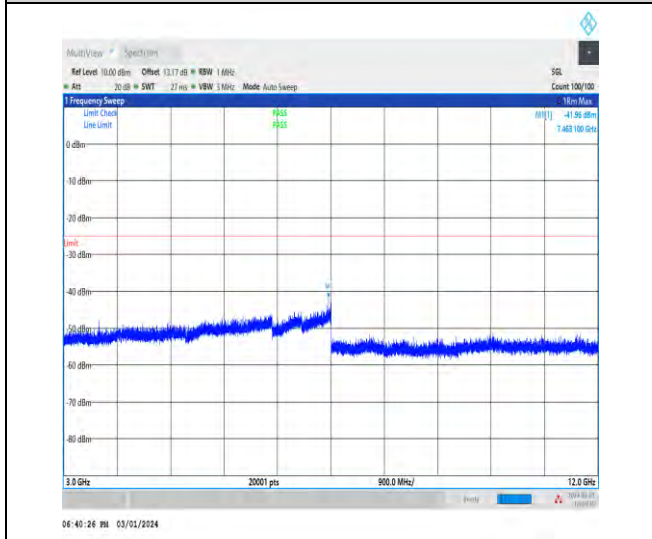
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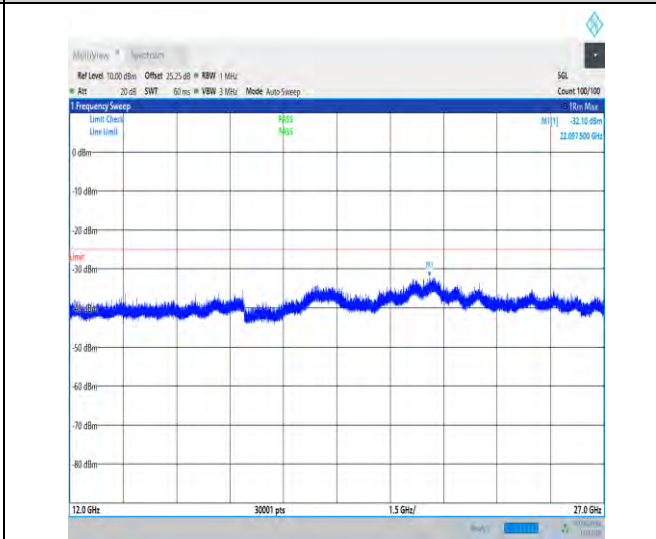
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1-N41-30-100-M-1-DFT-PI2BPSK-Inner_1RB_Left-1
 @1-1000-3000-Ant4-2925.50--41.21--25-PASS



1-N41-30-100-M-1-DFT-PI2BPSK-Inner_1RB_Left-1
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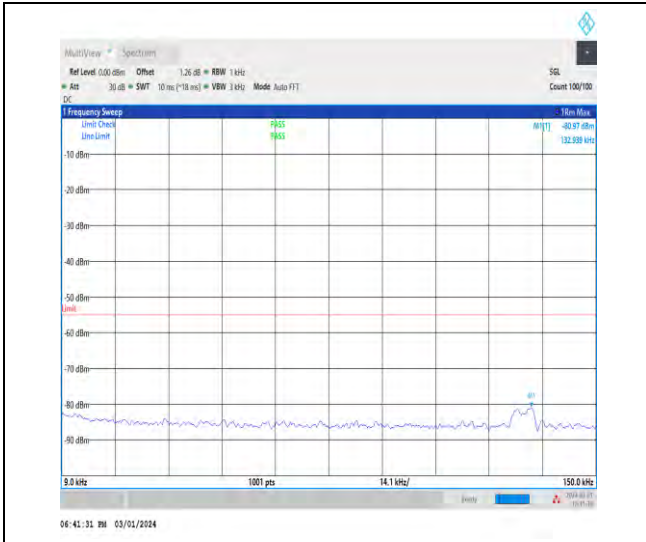
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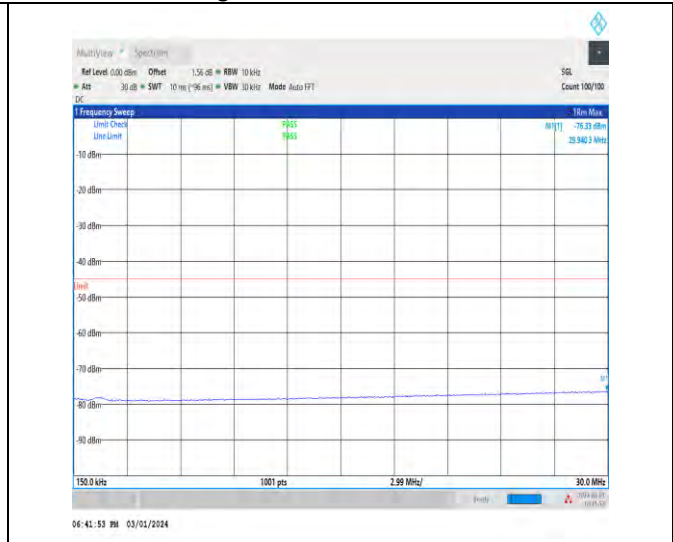
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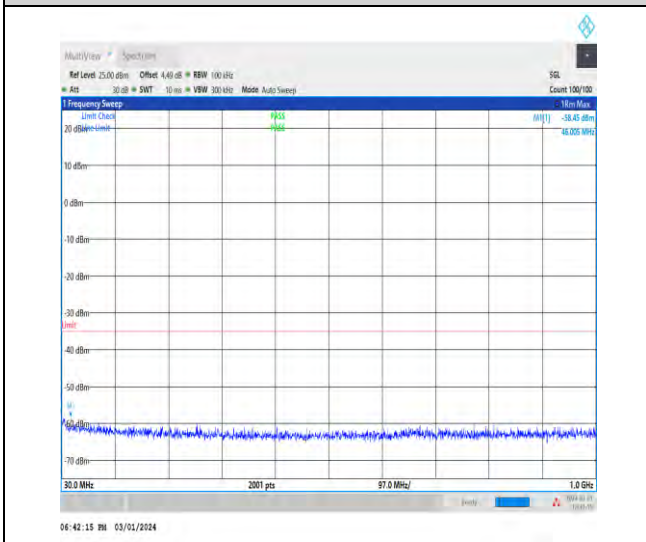
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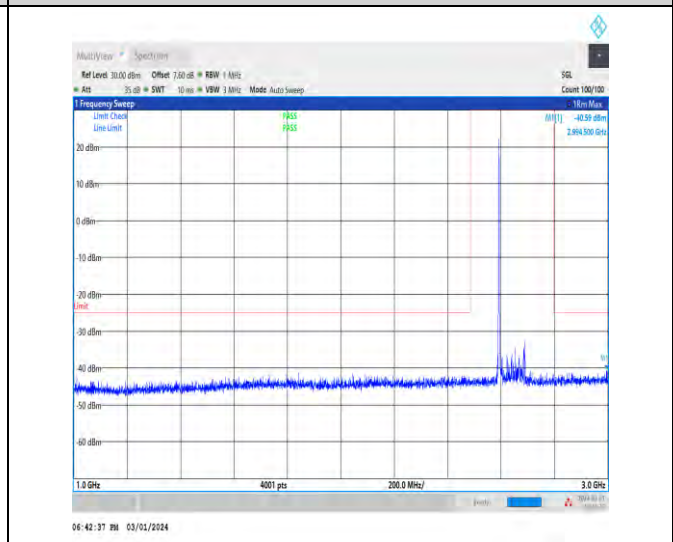
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1-N41-30-100-H-1-DFT-PI2BPSK-Inner_1RB_Left-1
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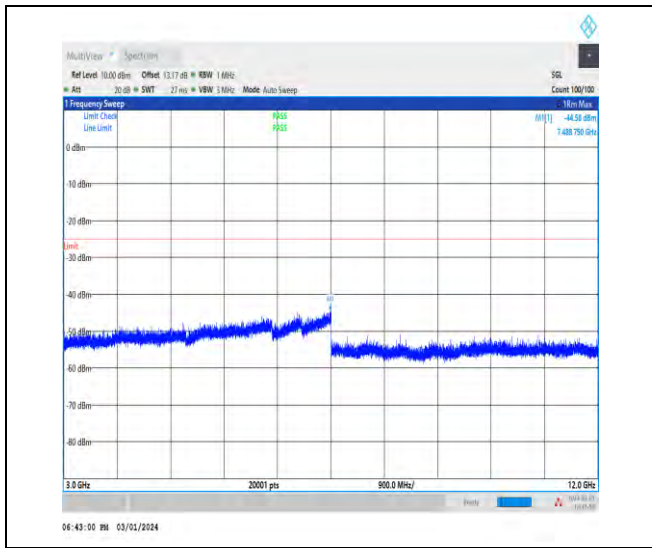
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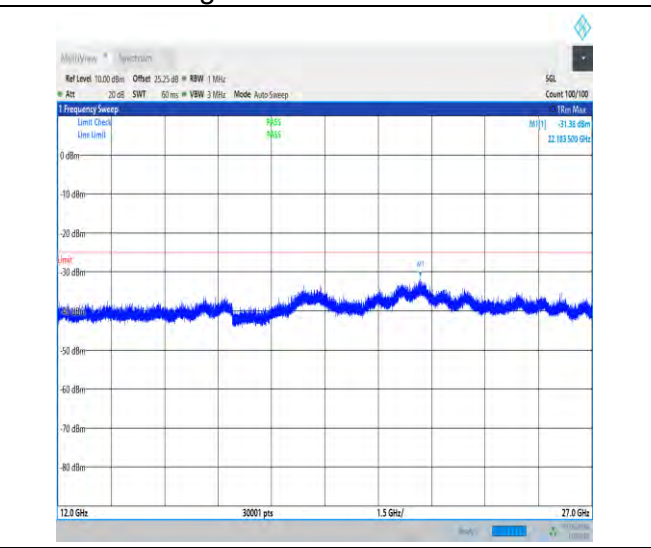
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1-N41-30-100-H-1-DFT-PI2BPSK-Inner_1RB_Left-1
 @1-3000-12000-Ant4-7488.75--44.58--25-PASS



1-N41-30-100-H-1-DFT-PI2BPSK-Inner_1RB_Left-1
 @1-12000-27000-Ant4-22363.00--36.58--25-PASS



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Field Strength of Spurious Radiation

Test Band = SA_N41

Test Channel = LCH

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3733.5	54.29	-49.58	30.43	-60.12	-25.00	35.12	Horizontal
2	5158	52.79	-46.93	33.39	-56.01	-25.00	31.01	Horizontal
3	7491	59.82	-43.24	36.62	-42.06	-25.00	17.06	Horizontal
4	9525	49.97	-41.56	39.15	-47.70	-25.00	22.70	Horizontal
5	12086.5	47.65	-38.20	39.23	-46.58	-25.00	21.58	Horizontal
6	17978	49.02	-43.66	42.67	-47.23	-25.00	22.23	Horizontal

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3769.5	54.24	-49.44	30.50	-59.96	-25.00	34.96	Vertical
2	5682.5	51.92	-44.90	33.43	-54.81	-25.00	29.81	Vertical
3	7491	56.97	-43.24	36.62	-44.91	-25.00	19.91	Vertical
4	9500.5	50.45	-41.51	39.20	-47.12	-25.00	22.12	Vertical
5	11214	47.97	-39.33	39.69	-46.93	-25.00	21.93	Vertical
6	14308	47.52	-39.87	40.68	-46.93	-25.00	21.93	Vertical



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Test Channel = MCH

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3752	54.25	-49.37	30.50	-59.88	-25.00	34.88	Horizontal
2	5161	52.84	-46.89	33.31	-56.00	-25.00	31.00	Horizontal
3	7632	57.07	-43.60	36.76	-45.03	-25.00	20.03	Horizontal
4	9504.5	50.11	-41.52	39.19	-47.48	-25.00	22.48	Horizontal
5	11887.5	46.81	-37.97	39.55	-46.87	-25.00	21.87	Horizontal
6	17976.5	48.44	-43.62	42.66	-47.78	-25.00	22.78	Horizontal

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3743.5	54.23	-49.45	30.47	-60.01	-25.00	35.01	Vertical
2	5697	51.79	-44.75	33.49	-54.73	-25.00	29.73	Vertical
3	7631.5	51.91	-43.59	36.76	-50.18	-25.00	25.18	Vertical
4	9473	49.96	-41.42	39.09	-47.63	-25.00	22.63	Vertical
5	11923.5	47.30	-38.08	39.48	-46.56	-25.00	21.56	Vertical
6	17977	48.27	-43.63	42.66	-47.96	-25.00	22.96	Vertical



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

Test Band = SA_N41

Test Channel = HCH

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3764	54.31	-49.42	30.50	-59.87	-25.00	34.87	Horizontal
2	5181.5	56.57	-46.64	32.78	-52.55	-25.00	27.55	Horizontal
3	7773	58.15	-43.51	36.94	-43.68	-25.00	18.68	Horizontal
4	9432.5	49.97	-41.34	38.90	-47.73	-25.00	22.73	Horizontal
5	12233.5	47.58	-37.96	39.57	-46.07	-25.00	21.07	Horizontal
6	15019	47.38	-38.91	39.88	-46.91	-25.00	21.91	Horizontal

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3648	54.18	-49.16	30.39	-59.85	-25.00	34.85	Vertical
2	5736	52.24	-45.61	33.79	-54.84	-25.00	29.84	Vertical
3	7773	54.37	-43.51	36.94	-47.46	-25.00	22.46	Vertical
4	9475.5	49.76	-41.43	39.10	-47.83	-25.00	22.83	Vertical
5	14267.5	47.85	-39.73	40.73	-46.41	-25.00	21.41	Vertical
6	17974	48.34	-43.56	42.64	-47.84	-25.00	22.84	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) - Pre-amplifier (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	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation (Hz)	Deviation (ppm)	Verdict
N41	30	100	DFT-PI2BPSK	M	Outer_Full	VH	NT	2.900000	0.001118	PASS
N41	30	100	DFT-PI2BPSK	M	Outer_Full	VN	NT	0.300000	0.000116	PASS
N41	30	100	DFT-PI2BPSK	M	Outer_Full	VL	NT	3.200000	0.001234	PASS
N41	30	100	CP-QPSK	M	Outer_Full	VH	NT	-0.600000	-0.000231	PASS
N41	30	100	CP-QPSK	M	Outer_Full	VN	NT	0.600000	0.000231	PASS
N41	30	100	CP-QPSK	M	Outer_Full	VL	NT	1.400000	0.000540	PASS



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Frequency Error VS. Temperature

Temperature										
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation (Hz)	Deviation (ppm)	Verdict
N41	30	100	DFT-PI2BPSK	M	Outer_Full	NV	-30	3.500000	0.001350	PASS
N41	30	100	DFT-PI2BPSK	M	Outer_Full	NV	-20	-0.900000	-0.000347	PASS
N41	30	100	DFT-PI2BPSK	M	Outer_Full	NV	-10	0.000000	0.000000	PASS
N41	30	100	DFT-PI2BPSK	M	Outer_Full	NV	0	1.400000	0.000540	PASS
N41	30	100	DFT-PI2BPSK	M	Outer_Full	NV	10	-0.400000	-0.000154	PASS
N41	30	100	DFT-PI2BPSK	M	Outer_Full	NV	20	2.600000	0.001003	PASS
N41	30	100	DFT-PI2BPSK	M	Outer_Full	NV	30	2.300000	0.000887	PASS
N41	30	100	DFT-PI2BPSK	M	Outer_Full	NV	40	-0.900000	-0.000347	PASS
N41	30	100	DFT-PI2BPSK	M	Outer_Full	NV	50	2.400000	0.000926	PASS
N41	30	100	CP-QPSK	M	Outer_Full	NV	-30	2.500000	0.000964	PASS
N41	30	100	CP-QPSK	M	Outer_Full	NV	-20	1.600000	0.000617	PASS
N41	30	100	CP-QPSK	M	Outer_Full	NV	-10	2.300000	0.000887	PASS
N41	30	100	CP-QPSK	M	Outer_Full	NV	0	-0.300000	-0.000116	PASS
N41	30	100	CP-QPSK	M	Outer_Full	NV	10	4.300000	0.001658	PASS
N41	30	100	CP-QPSK	M	Outer_Full	NV	20	3.600000	0.001388	PASS
N41	30	100	CP-QPSK	M	Outer_Full	NV	30	2.900000	0.001118	PASS
N41	30	100	CP-QPSK	M	Outer_Full	NV	40	1.100000	0.000424	PASS
N41	30	100	CP-QPSK	M	Outer_Full	NV	50	-0.500000	-0.000193	PASS

---End of Attachment---



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SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd. Wireless Laboratory

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

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