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Appendix B.24

NR Band n38



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Wireless Laboratory

South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000
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

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Effective (Isotropic) Radiated Power Output Data for SA

Test Result

Ant31

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Power (dBm)	EIRP (dBm)	Limit	Verdict
N38	30	10	DFT-QPSK	L	Inner_1RB_Left	23.96	22.70	33.00	PASS
N38	30	10	DFT-16QAM	L	Inner_1RB_Left	23.17	21.91	33.00	PASS
N38	30	10	DFT-QPSK	M	Inner_1RB_Left	24.02	22.76	33.00	PASS
N38	30	10	DFT-16QAM	M	Inner_1RB_Left	23.12	21.86	33.00	PASS
N38	30	10	DFT-QPSK	H	Inner_1RB_Left	24.21	22.95	33.00	PASS
N38	30	10	DFT-16QAM	H	Inner_1RB_Left	23.32	22.06	33.00	PASS
N38	30	15	DFT-QPSK	L	Inner_1RB_Left	24.09	22.83	33.00	PASS
N38	30	15	DFT-16QAM	L	Inner_1RB_Left	23.10	21.84	33.00	PASS
N38	30	15	DFT-QPSK	M	Inner_1RB_Left	24.11	22.85	33.00	PASS
N38	30	15	DFT-16QAM	M	Inner_1RB_Left	23.16	21.90	33.00	PASS
N38	30	15	DFT-QPSK	H	Inner_1RB_Left	24.34	23.08	33.00	PASS
N38	30	15	DFT-16QAM	H	Inner_1RB_Left	23.35	22.09	33.00	PASS
N38	30	20	DFT-QPSK	L	Inner_1RB_Left	24.03	22.77	33.00	PASS
N38	30	20	DFT-16QAM	L	Inner_1RB_Left	23.06	21.80	33.00	PASS
N38	30	20	DFT-QPSK	M	Inner_1RB_Left	23.94	22.68	33.00	PASS
N38	30	20	DFT-16QAM	M	Inner_1RB_Left	23.11	21.85	33.00	PASS
N38	30	20	DFT-QPSK	H	Inner_1RB_Left	24.29	23.03	33.00	PASS
N38	30	20	DFT-16QAM	H	Inner_1RB_Left	23.41	22.15	33.00	PASS
N38	30	30	DFT-QPSK	L	Inner_1RB_Left	24.19	22.93	33.00	PASS
N38	30	30	DFT-16QAM	L	Inner_1RB_Left	23.25	21.99	33.00	PASS
N38	30	30	DFT-QPSK	M	Inner_1RB_Left	24.09	22.83	33.00	PASS
N38	30	30	DFT-16QAM	M	Inner_1RB_Left	23.24	21.98	33.00	PASS
N38	30	30	DFT-QPSK	H	Inner_1RB_Left	24.29	23.03	33.00	PASS
N38	30	30	DFT-16QAM	H	Inner_1RB_Left	23.41	22.15	33.00	PASS
N38	30	40	DFT-PI2BPSK	L	Inner_1RB_Left	24.19	22.93	33.00	PASS
N38	30	40	DFT-PI2BPSK	L	Inner_1RB_Right	24.42	23.16	33.00	PASS
N38	30	40	DFT-PI2BPSK	L	Outer_Full	23.73	22.47	33.00	PASS
N38	30	40	DFT-QPSK	L	Inner_1RB_Left	24.09	22.83	33.00	PASS
N38	30	40	DFT-QPSK	L	Inner_1RB_Right	24.44	23.18	33.00	PASS
N38	30	40	DFT-QPSK	L	Outer_Full	23.24	21.98	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

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N38	30	40	DFT-16QAM	L	Inner_1RB_Left	23.29	22.03	33.00	PASS
N38	30	40	DFT-16QAM	L	Inner_1RB_Right	23.54	22.28	33.00	PASS
N38	30	40	DFT-16QAM	L	Outer_Full	22.25	20.99	33.00	PASS
N38	30	40	DFT-64QAM	L	Inner_1RB_Left	22.09	20.83	33.00	PASS
N38	30	40	DFT-64QAM	L	Inner_1RB_Right	22.46	21.20	33.00	PASS
N38	30	40	DFT-64QAM	L	Outer_Full	22.29	21.03	33.00	PASS
N38	30	40	DFT-256QAM	L	Inner_1RB_Left	20.98	19.72	33.00	PASS
N38	30	40	DFT-256QAM	L	Inner_1RB_Right	21.36	20.10	33.00	PASS
N38	30	40	DFT-256QAM	L	Outer_Full	21.23	19.97	33.00	PASS
N38	30	40	DFT-PI2BPSK	M	Inner_1RB_Left	24.10	22.84	33.00	PASS
N38	30	40	DFT-PI2BPSK	M	Inner_1RB_Right	24.45	23.19	33.00	PASS
N38	30	40	DFT-PI2BPSK	M	Outer_Full	23.69	22.43	33.00	PASS
N38	30	40	DFT-QPSK	M	Inner_1RB_Left	24.03	22.77	33.00	PASS
N38	30	40	DFT-QPSK	M	Inner_1RB_Right	24.48	23.22	33.00	PASS
N38	30	40	DFT-QPSK	M	Outer_Full	23.27	22.01	33.00	PASS
N38	30	40	DFT-16QAM	M	Inner_1RB_Left	23.10	21.84	33.00	PASS
N38	30	40	DFT-16QAM	M	Inner_1RB_Right	23.51	22.25	33.00	PASS
N38	30	40	DFT-16QAM	M	Outer_Full	22.25	20.99	33.00	PASS
N38	30	40	DFT-64QAM	M	Inner_1RB_Left	22.00	20.74	33.00	PASS
N38	30	40	DFT-64QAM	M	Inner_1RB_Right	22.46	21.20	33.00	PASS
N38	30	40	DFT-64QAM	M	Outer_Full	22.28	21.02	33.00	PASS
N38	30	40	DFT-256QAM	M	Inner_1RB_Left	20.92	19.66	33.00	PASS
N38	30	40	DFT-256QAM	M	Inner_1RB_Right	21.33	20.07	33.00	PASS
N38	30	40	DFT-256QAM	M	Outer_Full	21.23	19.97	33.00	PASS
N38	30	40	DFT-PI2BPSK	H	Inner_1RB_Left	24.20	22.94	33.00	PASS
N38	30	40	DFT-PI2BPSK	H	Inner_1RB_Right	24.56	23.30	33.00	PASS
N38	30	40	DFT-PI2BPSK	H	Outer_Full	23.86	22.60	33.00	PASS
N38	30	40	DFT-QPSK	H	Inner_1RB_Left	24.19	22.93	33.00	PASS
N38	30	40	DFT-QPSK	H	Inner_1RB_Right	24.56	23.30	33.00	PASS
N38	30	40	DFT-QPSK	H	Outer_Full	23.38	22.12	33.00	PASS
N38	30	40	DFT-16QAM	H	Inner_1RB_Left	23.25	21.99	33.00	PASS
N38	30	40	DFT-16QAM	H	Inner_1RB_Right	23.64	22.38	33.00	PASS
N38	30	40	DFT-16QAM	H	Outer_Full	22.36	21.10	33.00	PASS
N38	30	40	DFT-64QAM	H	Inner_1RB_Left	22.10	20.84	33.00	PASS
N38	30	40	DFT-64QAM	H	Inner_1RB_Right	22.54	21.28	33.00	PASS
N38	30	40	DFT-64QAM	H	Outer_Full	22.38	21.12	33.00	PASS
N38	30	40	DFT-256QAM	H	Inner_1RB_Left	21.01	19.75	33.00	PASS



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N38	30	40	DFT-256QAM	H	Inner_1RB_Right	21.46	20.20	33.00	PASS
N38	30	40	DFT-256QAM	H	Outer_Full	21.34	20.08	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
N38	30	40	DFT-256QAM	L	Outer_Full	6.60	≤13	PASS
N38	30	40	CP-256QAM	L	Outer_Full	6.61	≤13	PASS
N38	30	40	DFT-256QAM	M	Outer_Full	6.61	≤13	PASS
N38	30	40	CP-256QAM	M	Outer_Full	6.57	≤13	PASS
N38	30	40	DFT-256QAM	H	Outer_Full	6.59	≤13	PASS
N38	30	40	CP-256QAM	H	Outer_Full	6.59	≤13	PASS



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1-N38-PC3-30-40-H-1-DFT-256QAM-Outer_Full-100
@0-Ant31-6.59-PASS≤13



1-N38-PC3-30-40-H-2-CP-256QAM-Outer_Full-106
@0-Ant31-6.59-PASS≤13



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26dB Bandwidth and Occupied Bandwidth for SA

Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result (99%)	Result (26dB)	Verdict
N38	30	10	DFT-QPSK	M	Outer_Full	8.911	10.420	PASS
N38	30	10	DFT-PI2BPSK	M	Outer_Full	8.891	10.420	PASS
N38	30	10	DFT-16QAM	M	Outer_Full	8.931	10.460	PASS
N38	30	10	DFT-64QAM	M	Outer_Full	8.891	10.480	PASS
N38	30	10	DFT-256QAM	M	Outer_Full	8.851	10.400	PASS
N38	30	10	CP-QPSK	M	Outer_Full	8.831	9.980	PASS
N38	30	10	CP-16QAM	M	Outer_Full	8.851	10.320	PASS
N38	30	10	CP-64QAM	M	Outer_Full	8.811	10.140	PASS
N38	30	10	CP-256QAM	M	Outer_Full	8.811	10.420	PASS
N38	30	15	DFT-QPSK	M	Outer_Full	13.505	15.510	PASS
N38	30	15	DFT-PI2BPSK	M	Outer_Full	13.157	14.730	PASS
N38	30	15	DFT-16QAM	M	Outer_Full	13.037	15.270	PASS
N38	30	15	DFT-64QAM	M	Outer_Full	13.127	14.460	PASS
N38	30	15	DFT-256QAM	M	Outer_Full	13.037	14.730	PASS
N38	30	15	CP-QPSK	M	Outer_Full	13.756	15.660	PASS
N38	30	15	CP-16QAM	M	Outer_Full	13.756	15.120	PASS
N38	30	15	CP-64QAM	M	Outer_Full	13.786	15.420	PASS
N38	30	15	CP-256QAM	M	Outer_Full	13.666	15.510	PASS
N38	30	20	DFT-QPSK	M	Outer_Full	17.982	19.240	PASS
N38	30	20	DFT-PI2BPSK	M	Outer_Full	18.062	19.360	PASS
N38	30	20	DFT-16QAM	M	Outer_Full	18.102	19.760	PASS
N38	30	20	DFT-64QAM	M	Outer_Full	18.022	19.520	PASS
N38	30	20	DFT-256QAM	M	Outer_Full	17.982	19.960	PASS
N38	30	20	CP-QPSK	M	Outer_Full	18.302	20.120	PASS
N38	30	20	CP-16QAM	M	Outer_Full	18.302	19.960	PASS
N38	30	20	CP-64QAM	M	Outer_Full	18.262	20.360	PASS
N38	30	20	CP-256QAM	M	Outer_Full	18.302	19.840	PASS
N38	30	30	DFT-QPSK	M	Outer_Full	26.853	28.680	PASS
N38	30	30	DFT-PI2BPSK	M	Outer_Full	26.853	28.620	PASS



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N38	30	30	DFT-16QAM	M	Outer_Full	26.853	28.860	PASS
N38	30	30	DFT-64QAM	M	Outer_Full	26.853	28.860	PASS
N38	30	30	DFT-256QAM	M	Outer_Full	27.033	28.620	PASS
N38	30	30	CP-QPSK	M	Outer_Full	27.872	29.520	PASS
N38	30	30	CP-16QAM	M	Outer_Full	27.932	29.460	PASS
N38	30	30	CP-64QAM	M	Outer_Full	27.932	29.700	PASS
N38	30	30	CP-256QAM	M	Outer_Full	27.932	29.640	PASS
N38	30	40	DFT-QPSK	M	Outer_Full	35.724	37.680	PASS
N38	30	40	DFT-PI2BPSK	M	Outer_Full	35.724	37.600	PASS
N38	30	40	DFT-16QAM	M	Outer_Full	35.724	37.520	PASS
N38	30	40	DFT-64QAM	M	Outer_Full	35.804	37.440	PASS
N38	30	40	DFT-256QAM	M	Outer_Full	35.724	37.440	PASS
N38	30	40	CP-QPSK	M	Outer_Full	37.882	39.760	PASS
N38	30	40	CP-16QAM	M	Outer_Full	37.802	39.600	PASS
N38	30	40	CP-64QAM	M	Outer_Full	37.722	39.680	PASS
N38	30	40	CP-256QAM	M	Outer_Full	37.882	39.920	PASS

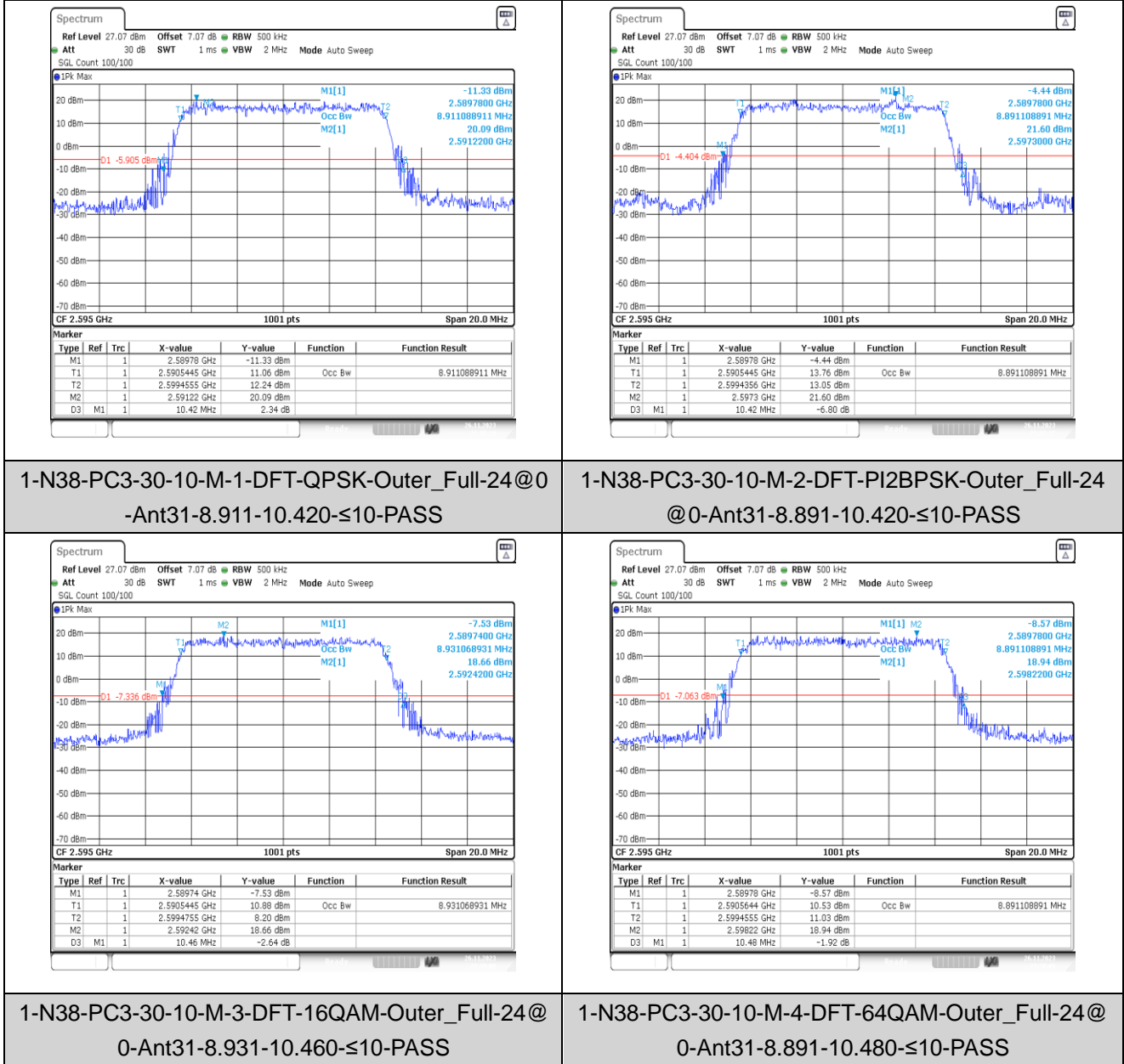


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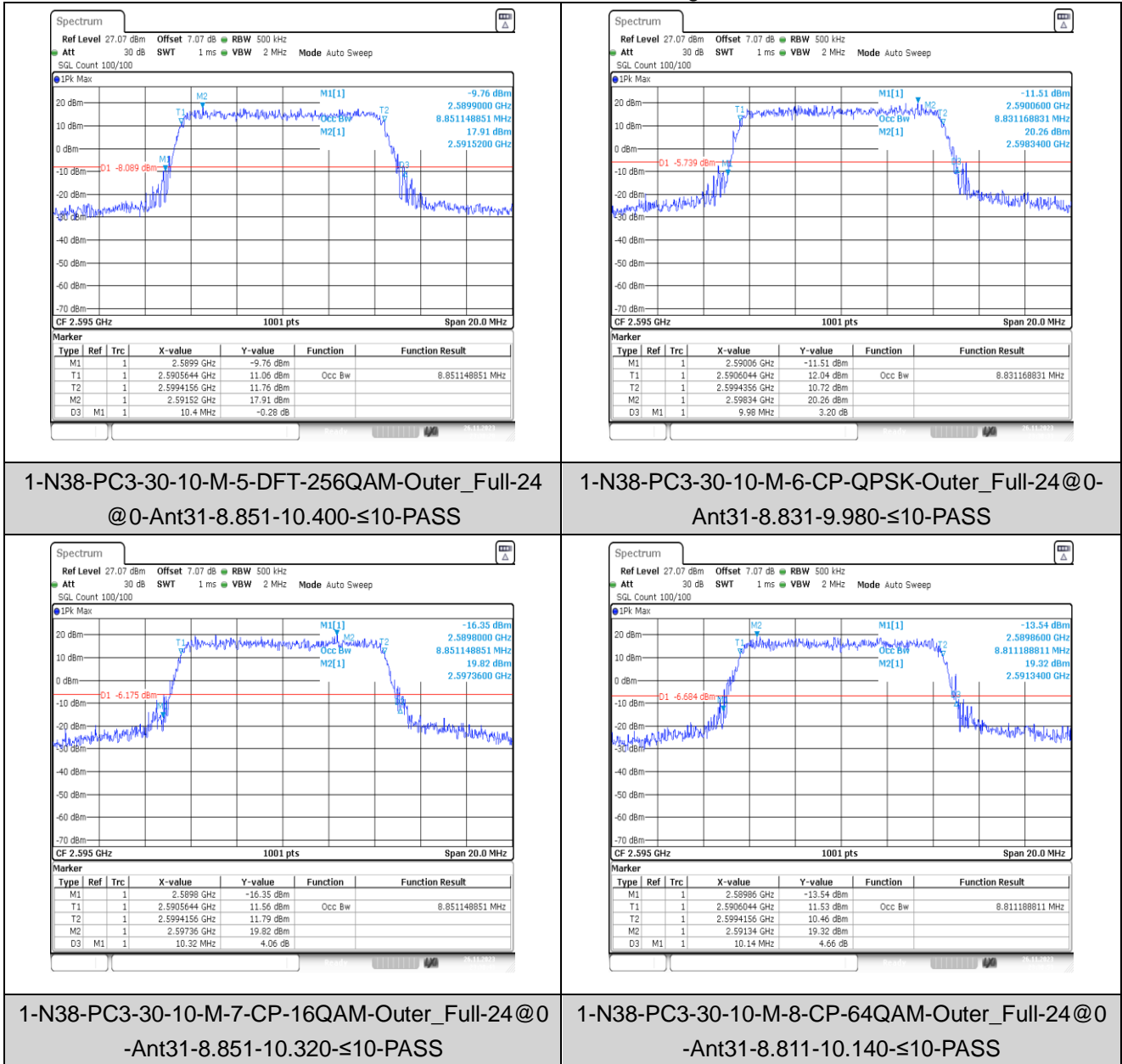
Test Graphs



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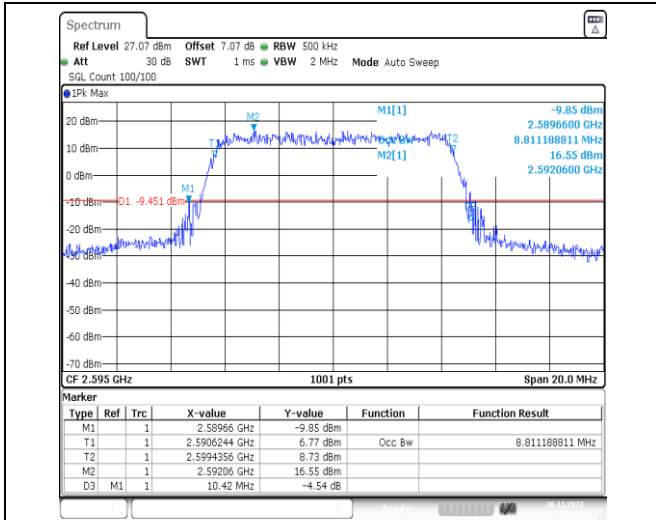
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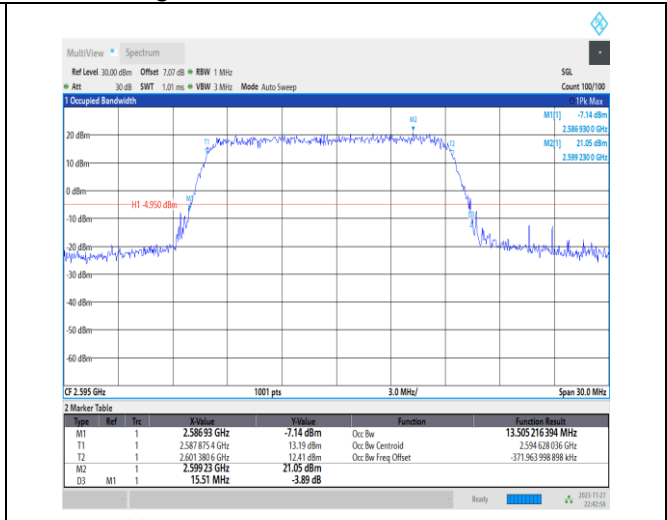
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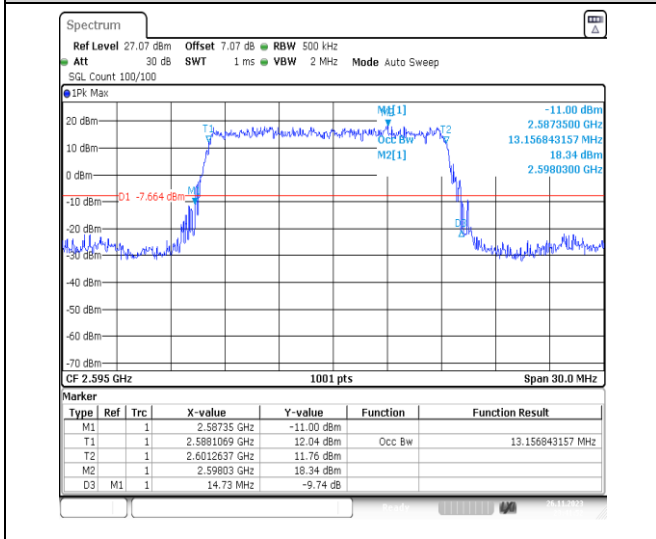
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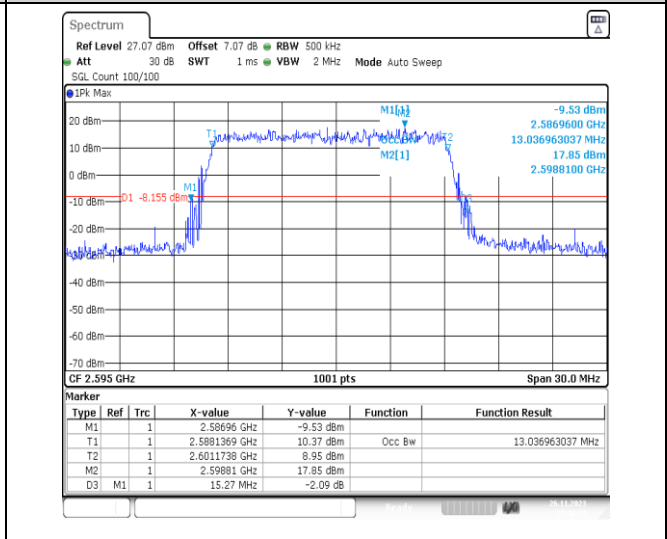
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0-Ant31-13.505-15.510-≤15-PASS



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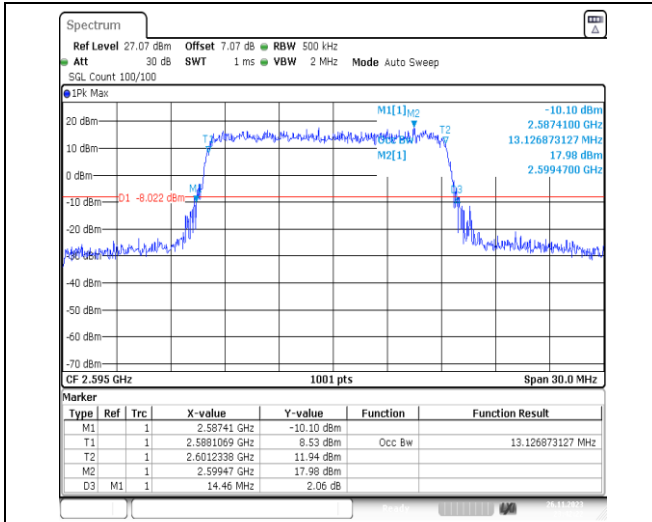
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0-Ant31-13.037-15.270-≤15-PASS



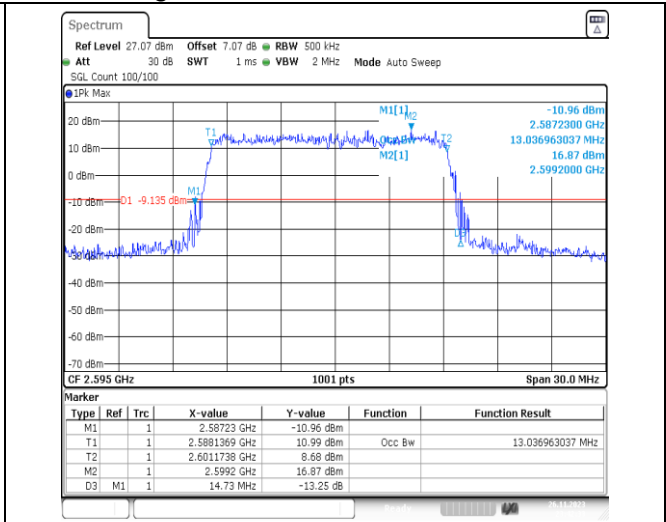
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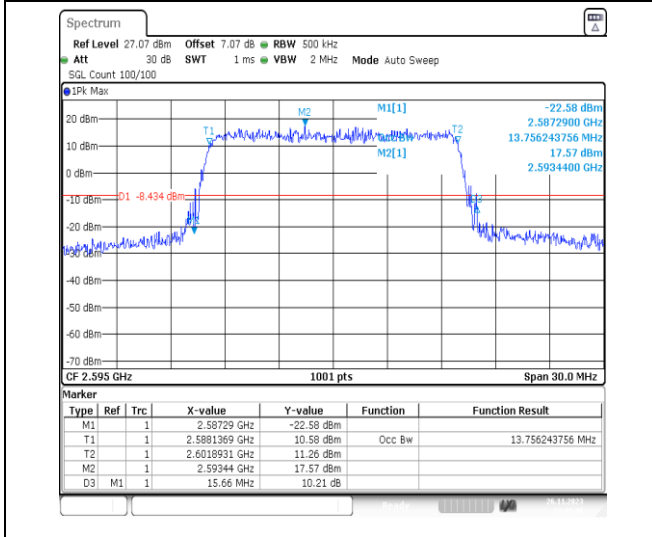
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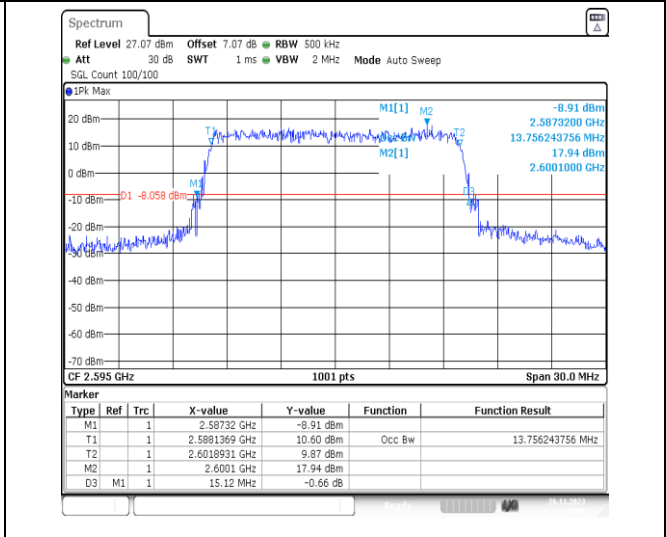
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@0-Ant31-13.037-14.730-≤15-PASS



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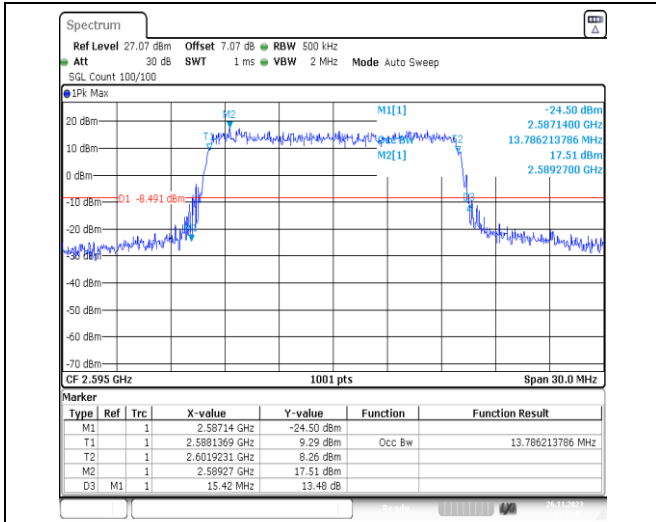
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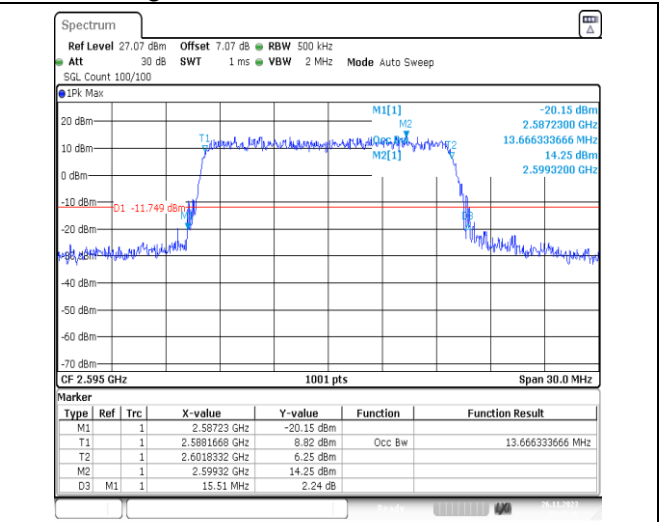
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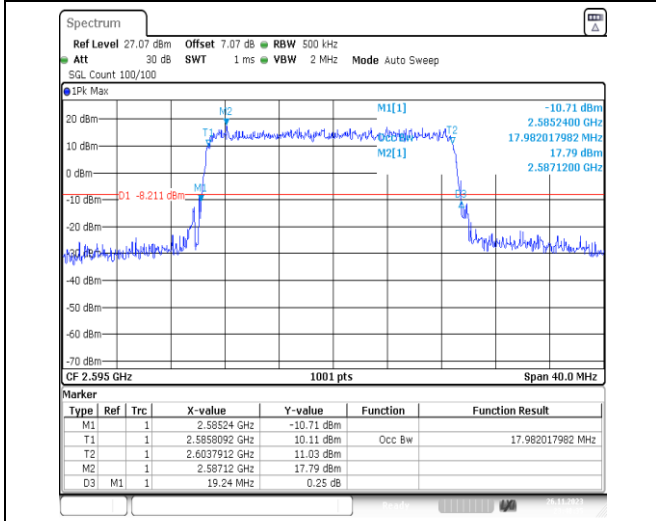
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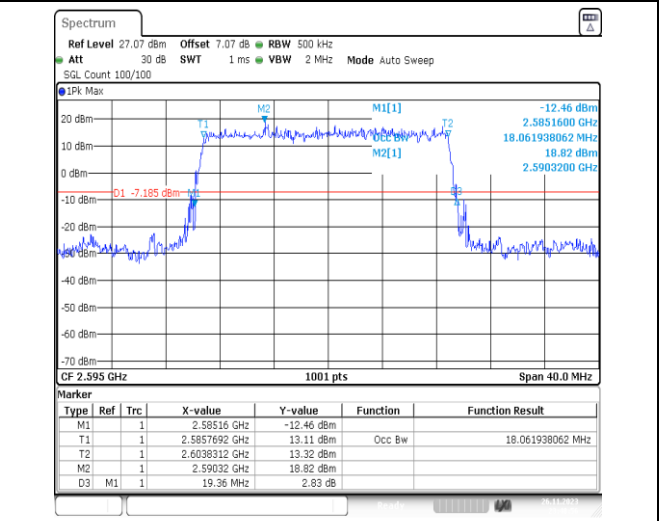
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1-N38-PC3-30-15-M-9-CP-256QAM-Outer_Full-38@0-Ant31-13.666-15.510-≤15-PASS



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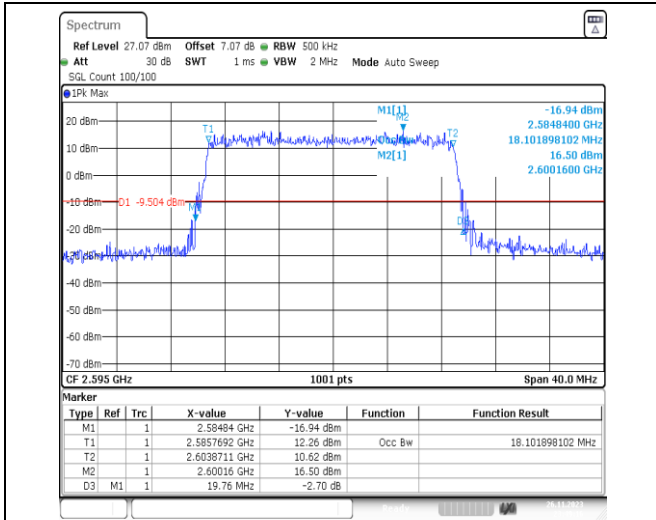
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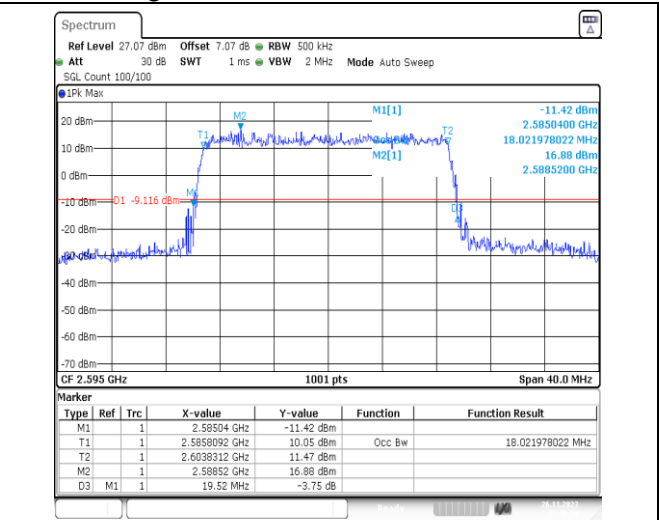
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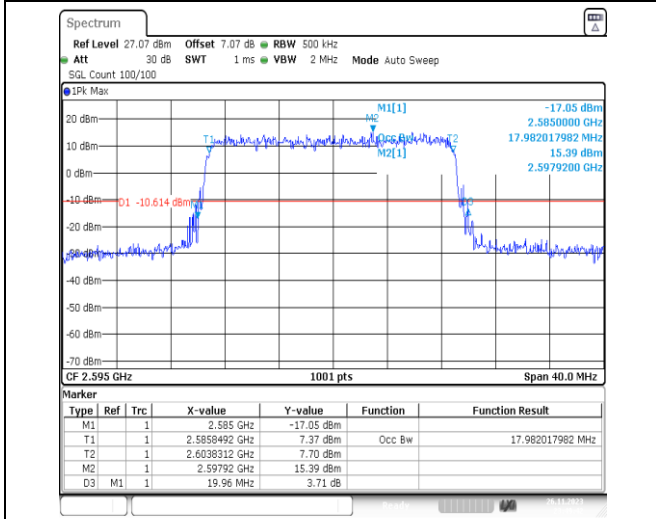
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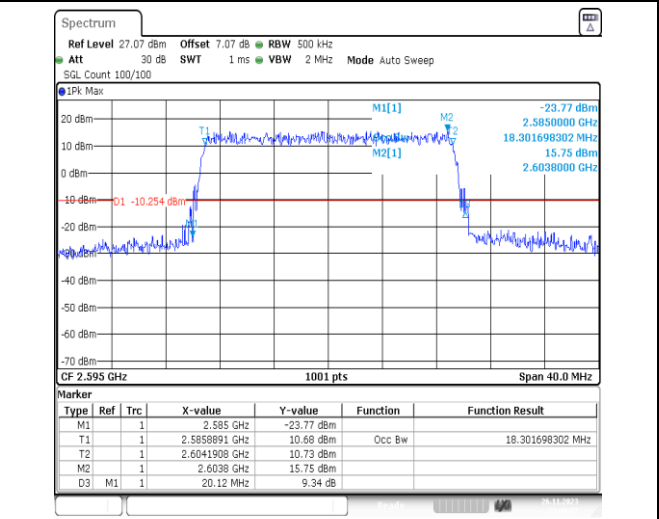
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1-N38-PC3-30-20-M-5-DFT-256QAM-Outer_Full-50@0-Ant31-17.982-19.960-≤20-PASS



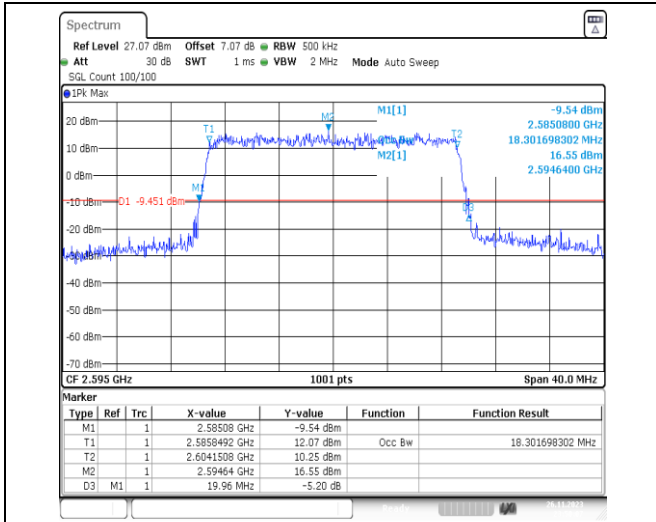
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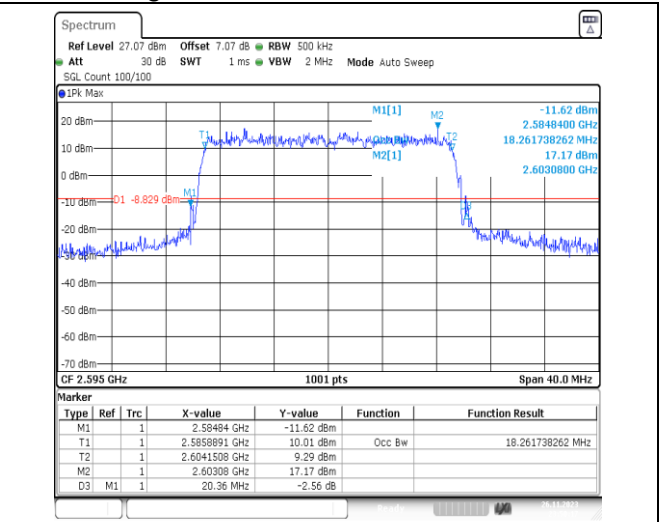
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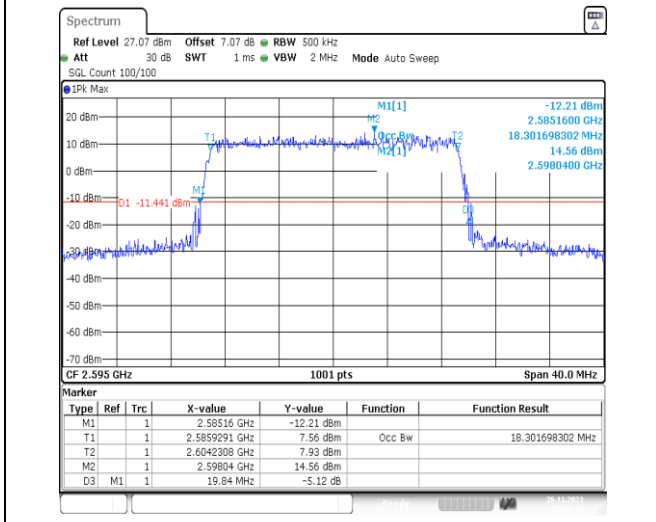
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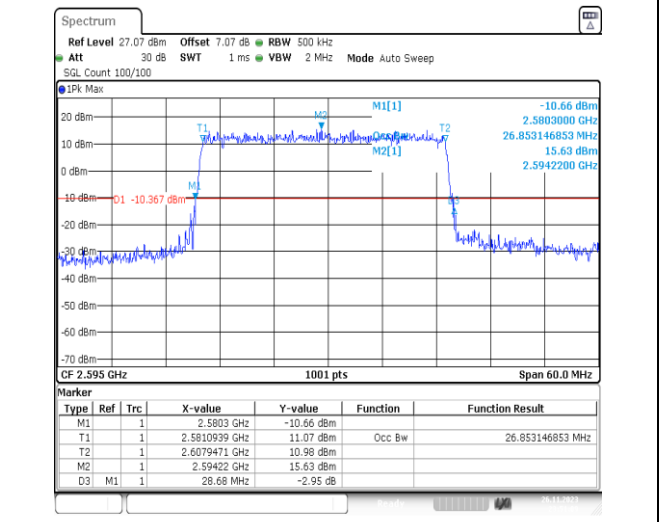
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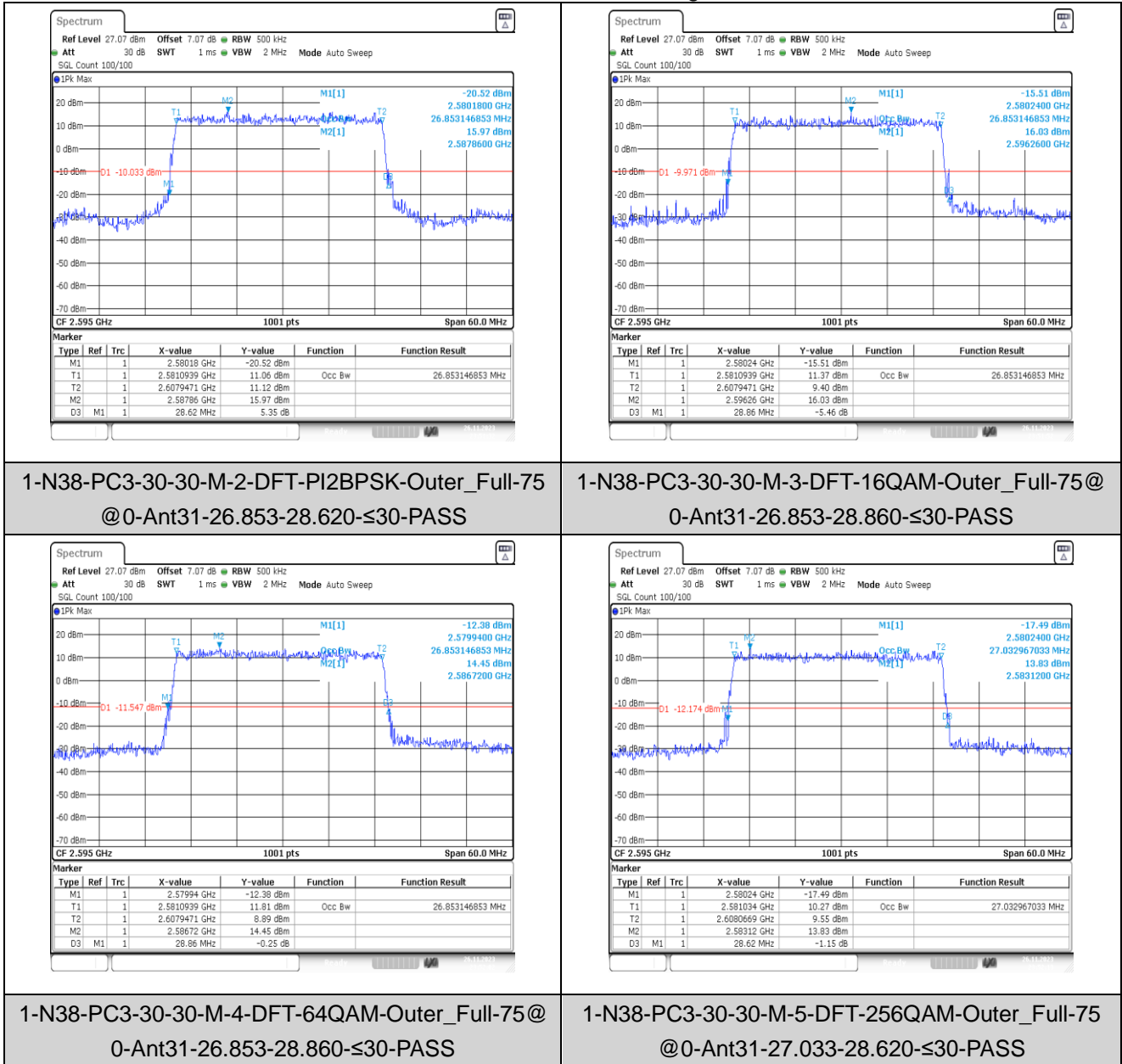
1-N38-PC3-30-30-M-1-DFT-QPSK-Outer_Full-75@0
-Ant31-26.853-28.680-≤30-PASS



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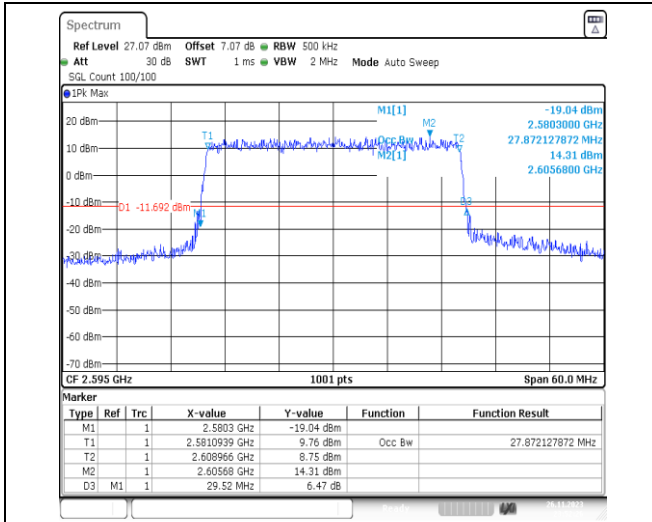
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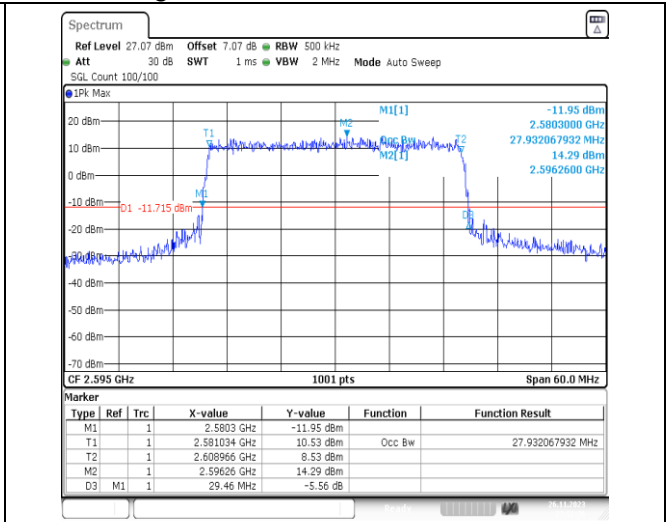
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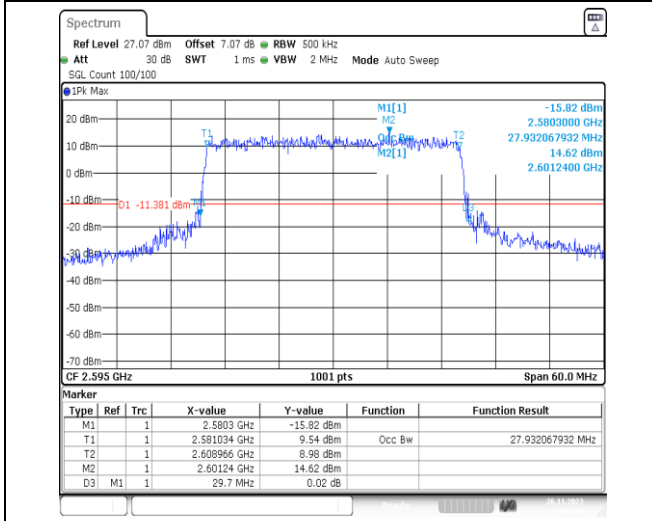
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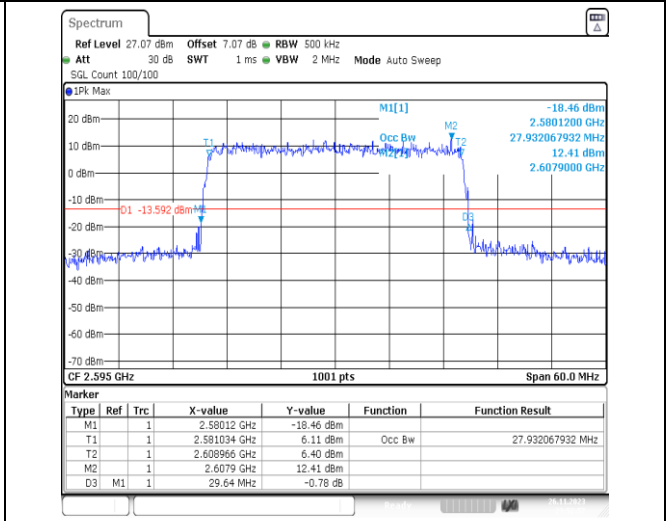
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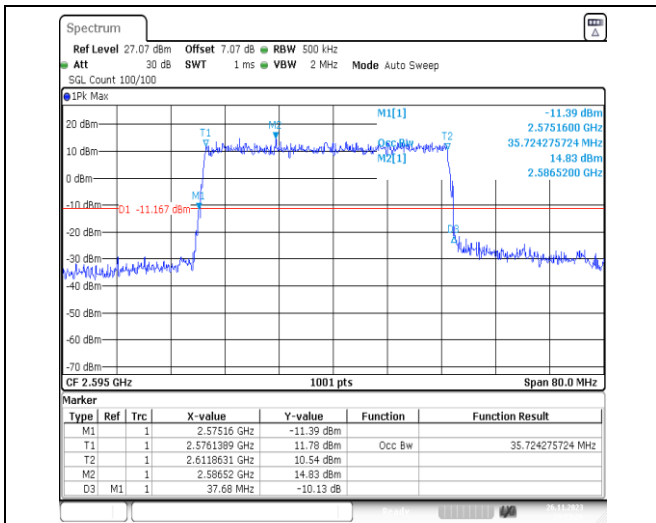
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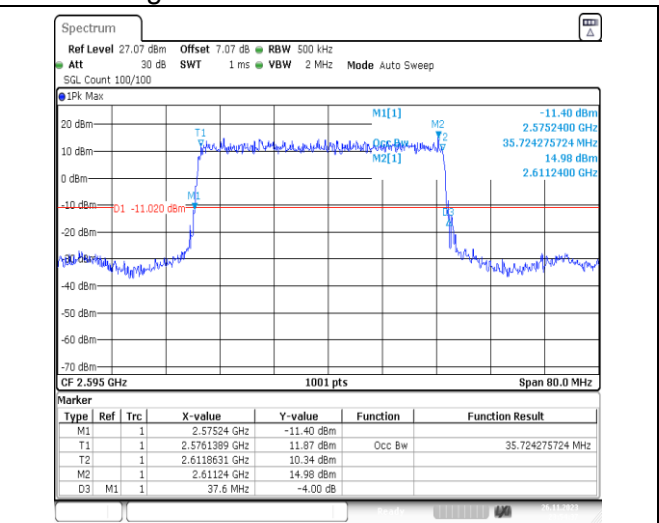
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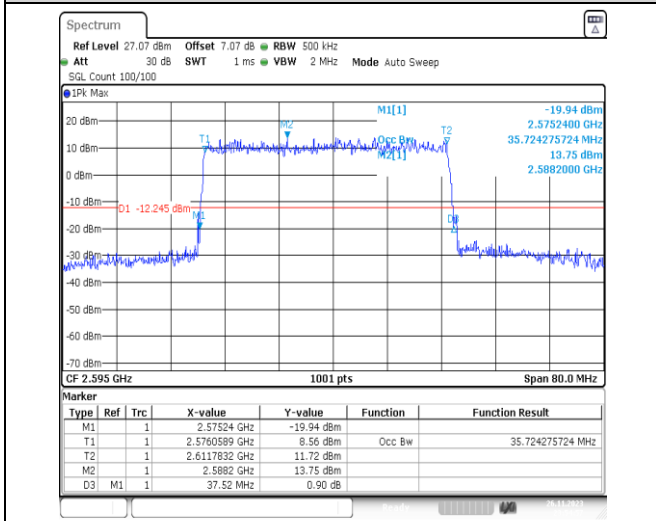
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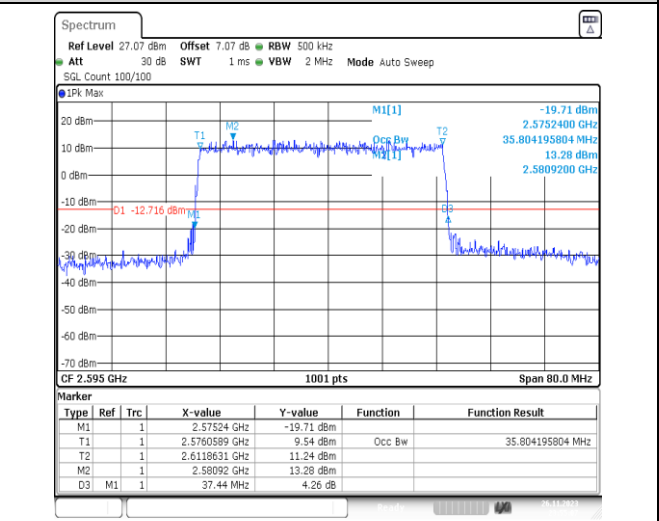
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1-N38-PC3-30-40-M-2-DFT-PI2BPSK-Outer_Full-100@0-Ant31-35.724-37.600-≤40-PASS



1-N38-PC3-30-40-M-3-DFT-16QAM-Outer_Full-100@0-Ant31-35.724-37.520-≤40-PASS



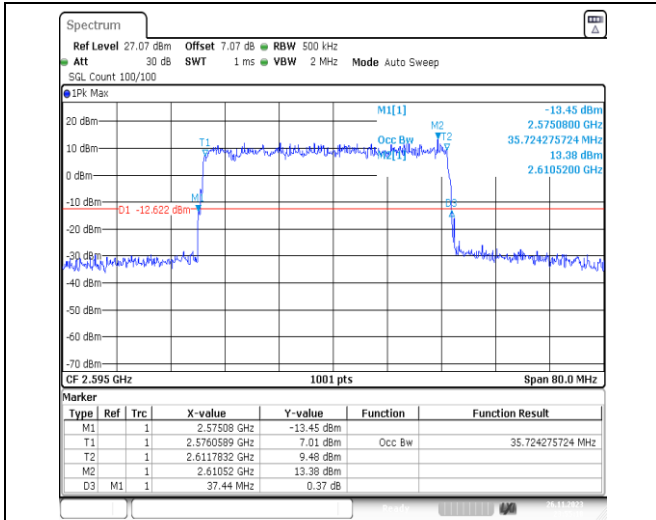
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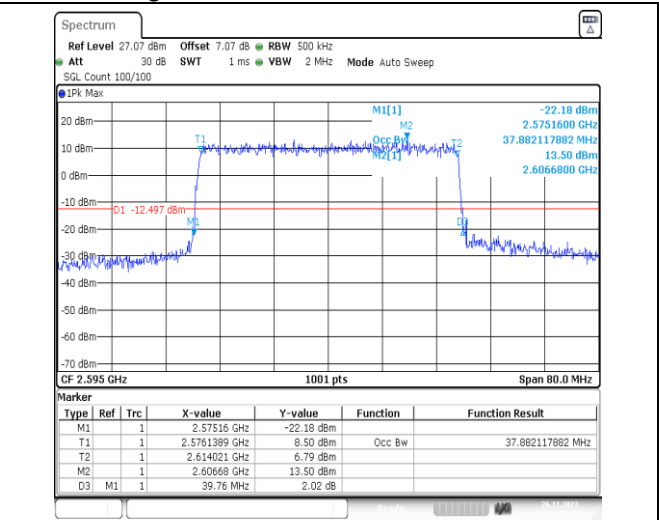
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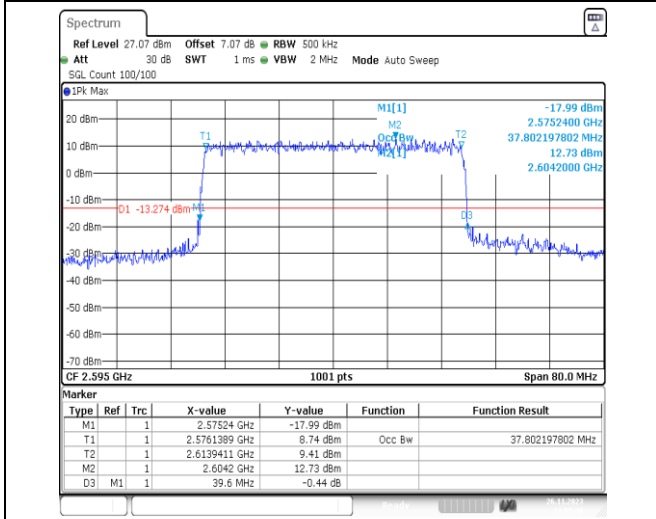
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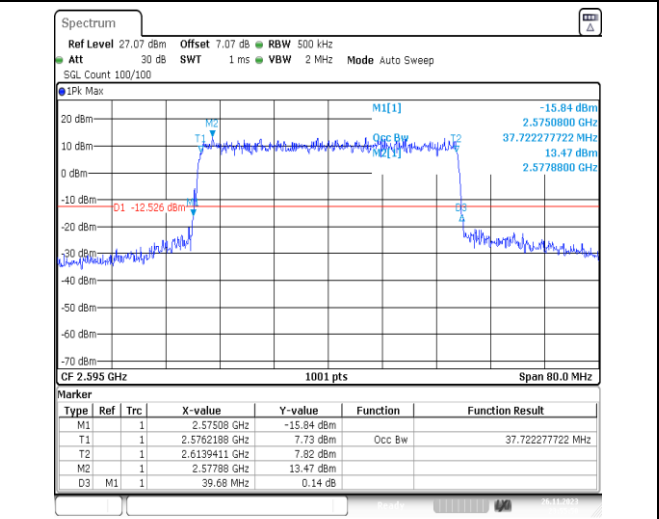
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1-N38-PC3-30-40-M-6-CP-QPSK-Outer_Full-106 @0-Ant31-37.882-39.760-≤40-PASS



1-N38-PC3-30-40-M-7-CP-16QAM-Outer_Full-106 @0-Ant31-37.802-39.600-≤40-PASS



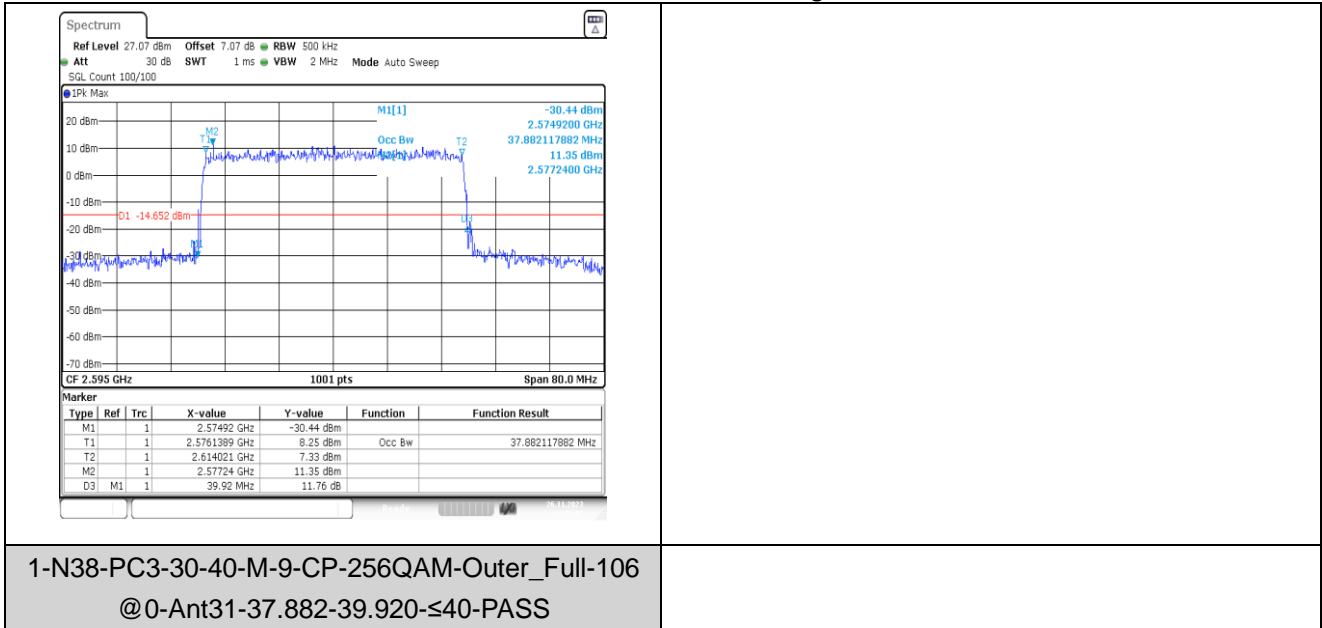
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@0-Ant31-37.882-39.920-≤40-PASS

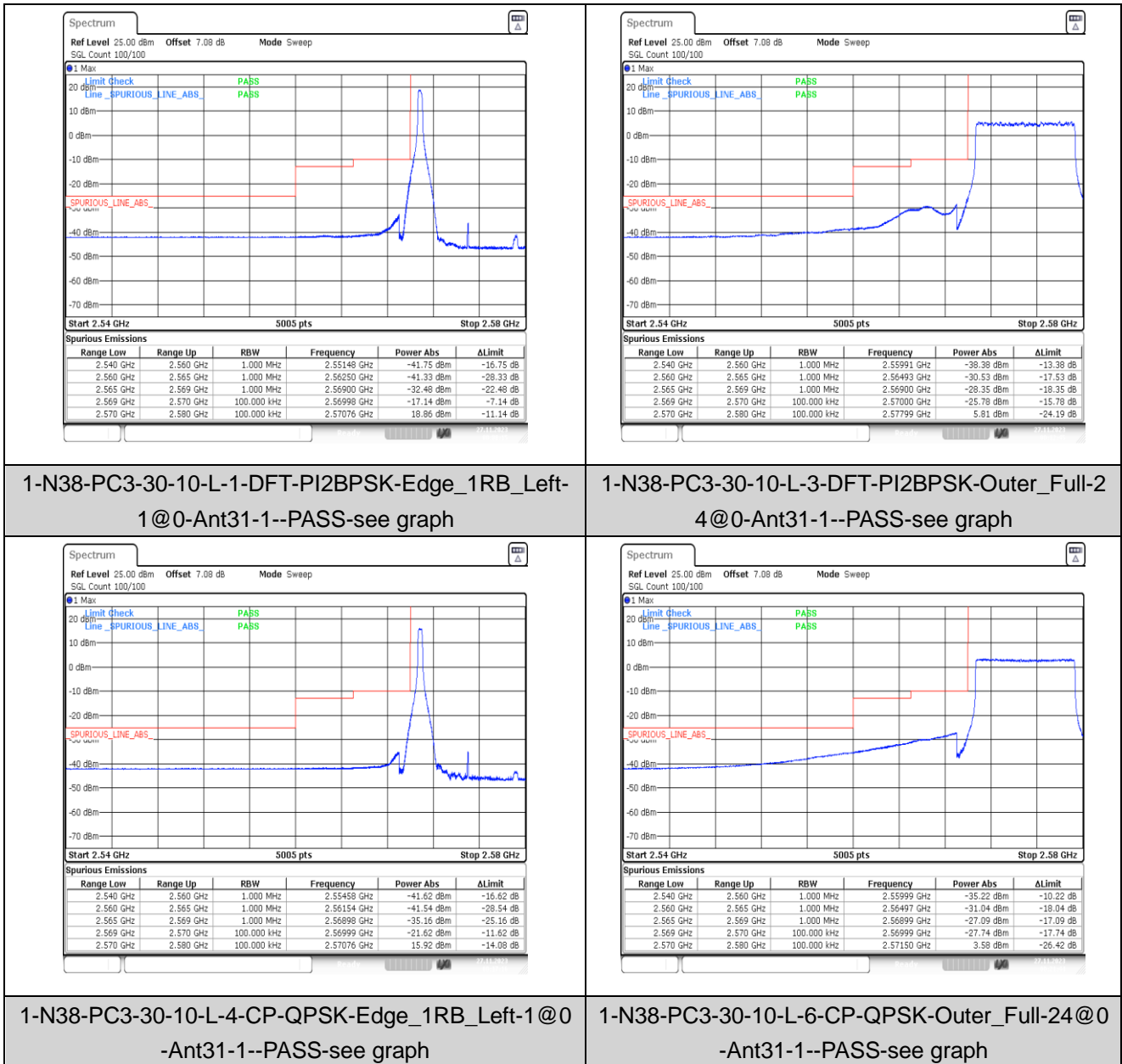


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Band Edge for SA

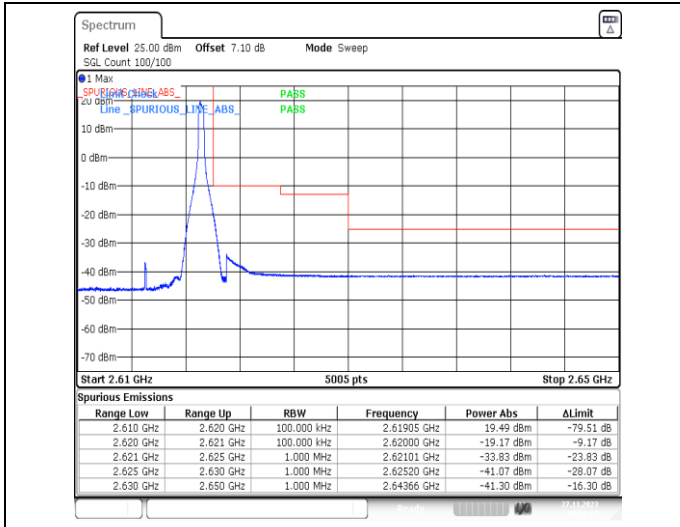
Test Graphs



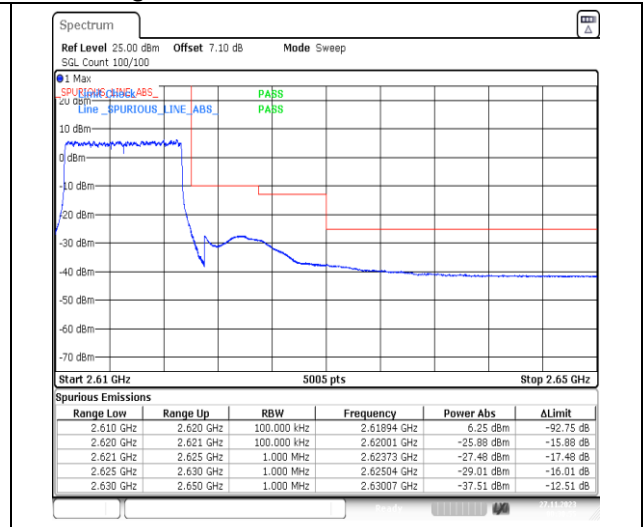
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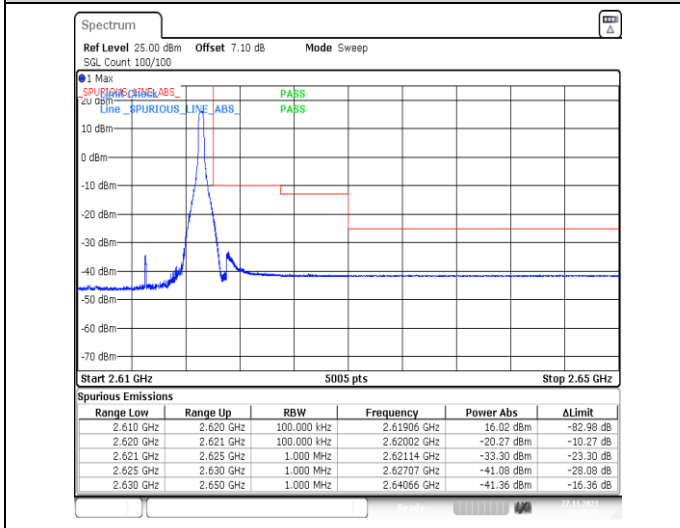
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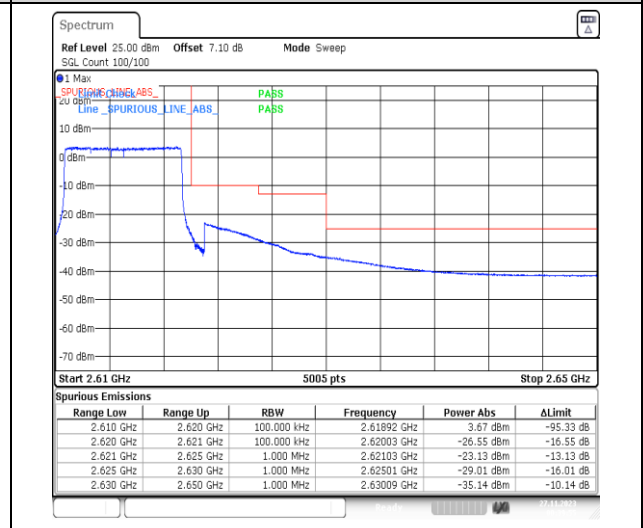
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1-N38-PC3-30-10-H-3-DFT-PI2BPSK-Outer_Full-2 4@0-Ant31-1--PASS-see graph



1-N38-PC3-30-10-H-5-CP-QPSK-Edge_1RB_Right-1 @23-Ant31-1--PASS-see graph



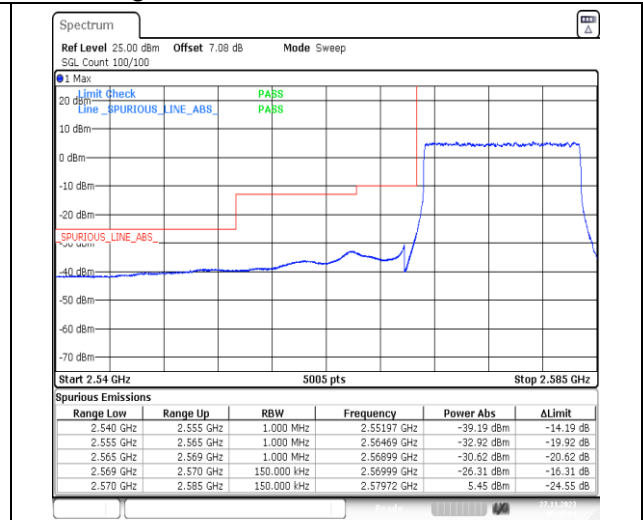
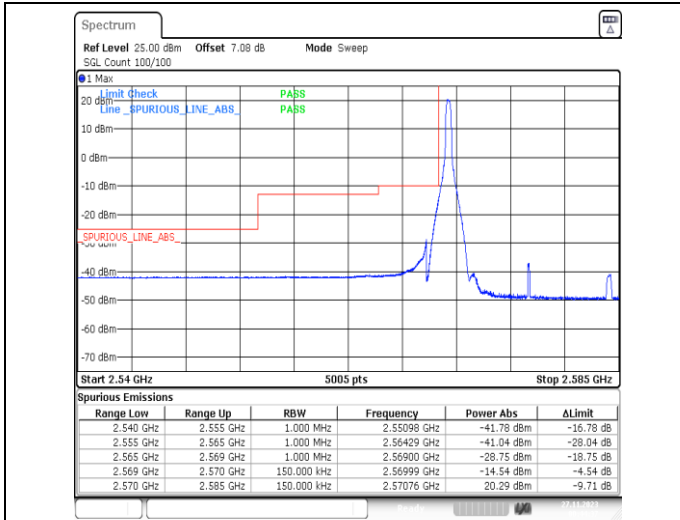
1-N38-PC3-30-10-H-6-CP-QPSK-Outer_Full-24@ 0-Ant31-1--PASS-see graph



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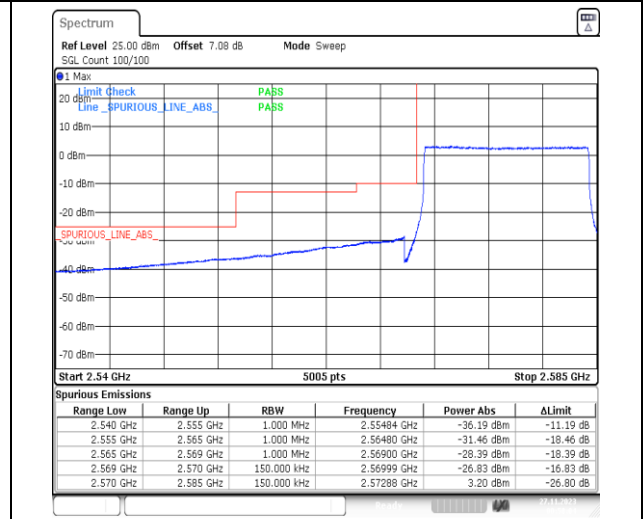
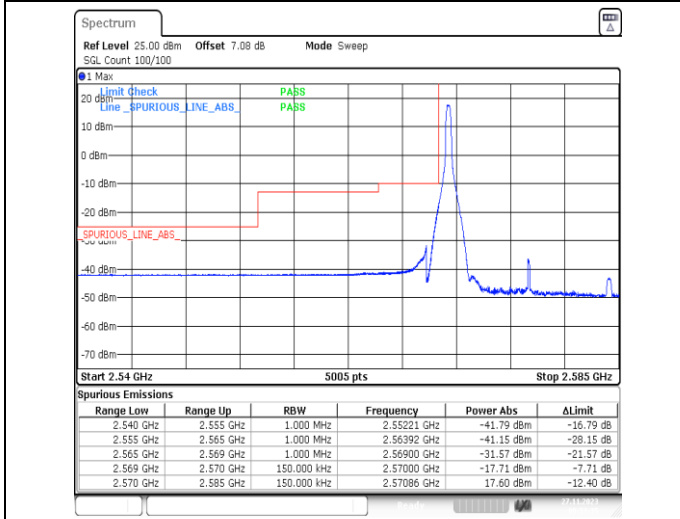
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1-N38-PC3-30-15-L-1-DFT-PI2BPSK-Edge_1RB_Left-1@0-Ant31-1--PASS-see graph

1-N38-PC3-30-15-L-3-DFT-PI2BPSK-Outer_Full-36@0-Ant31-1--PASS-see graph



1-N38-PC3-30-15-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant31-1--PASS-see graph

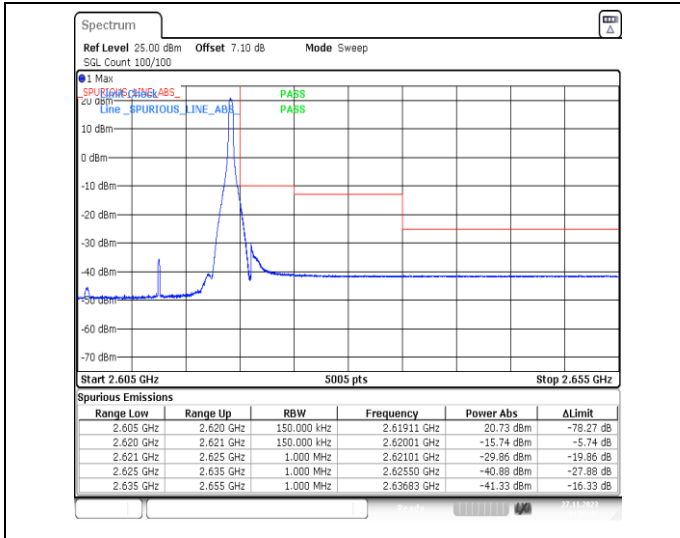
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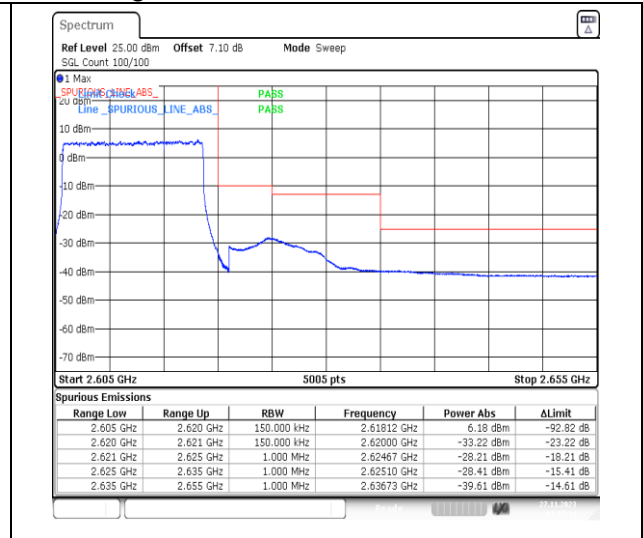
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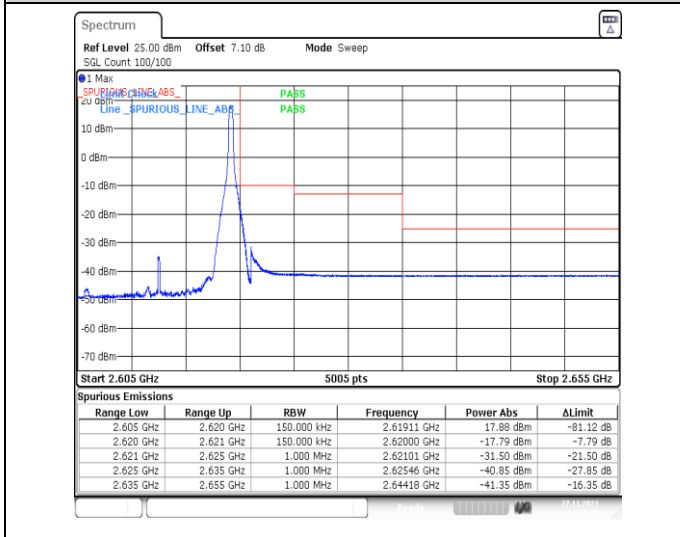
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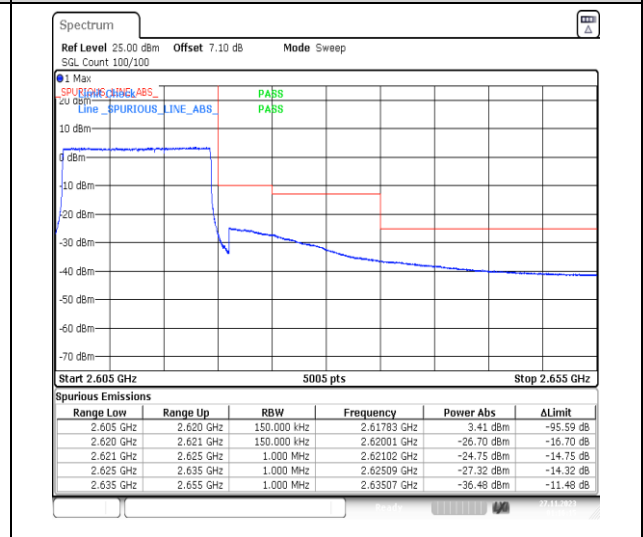
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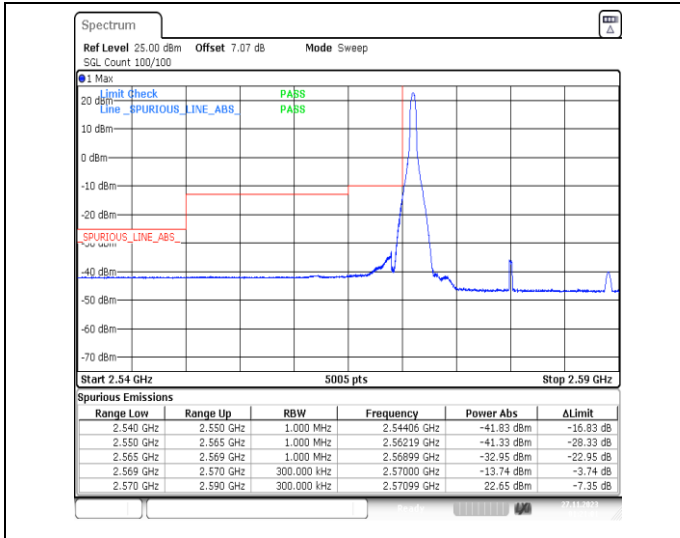
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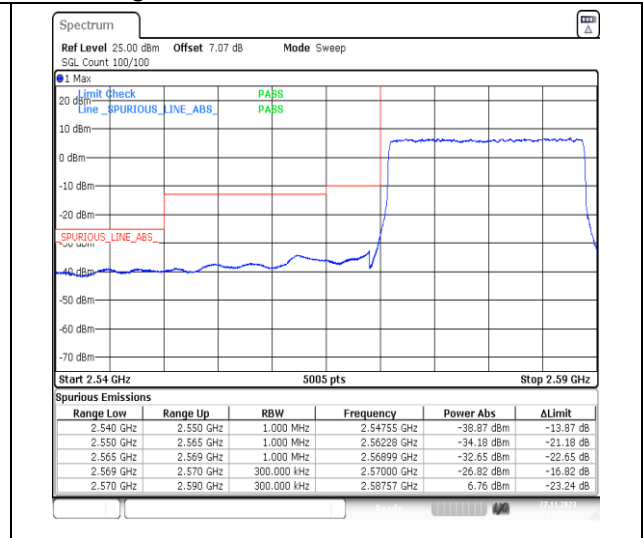
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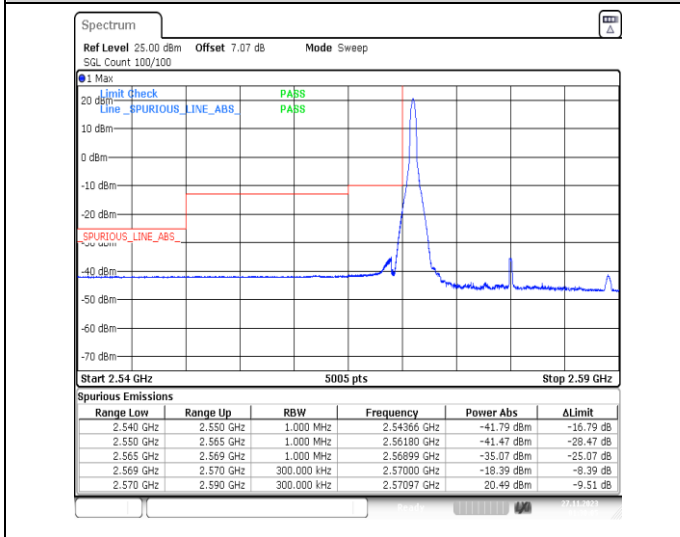
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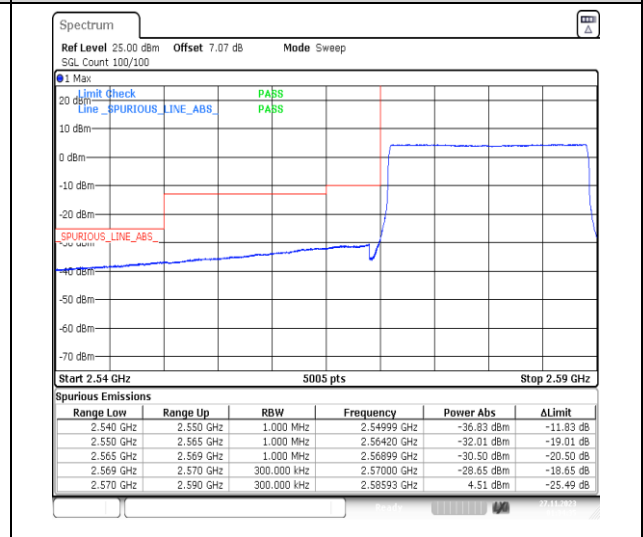
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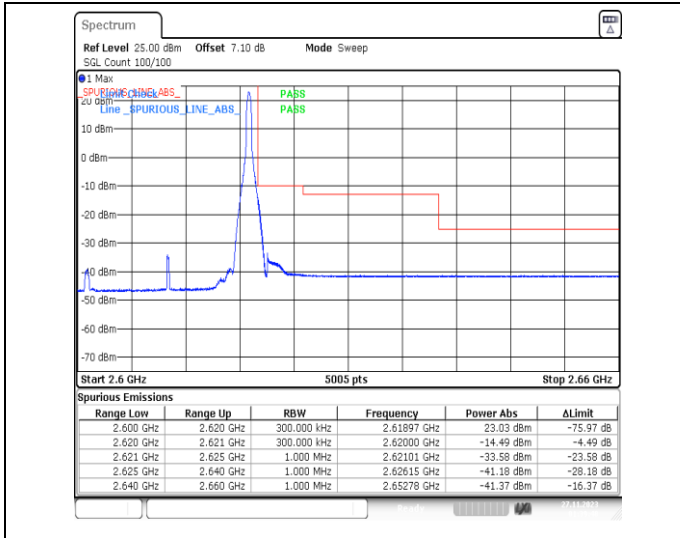
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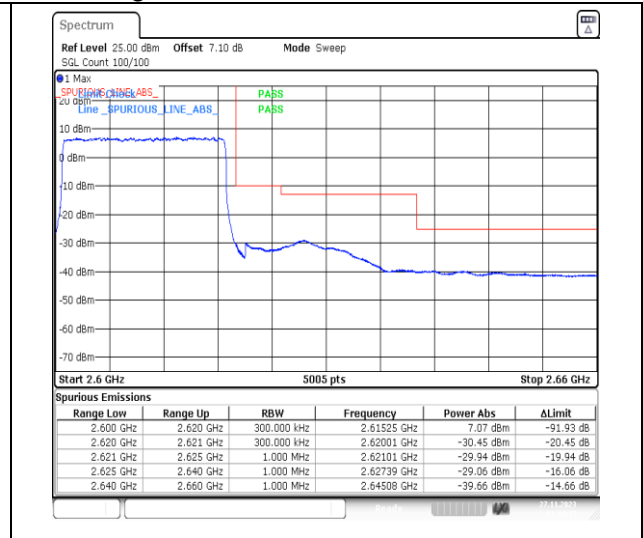
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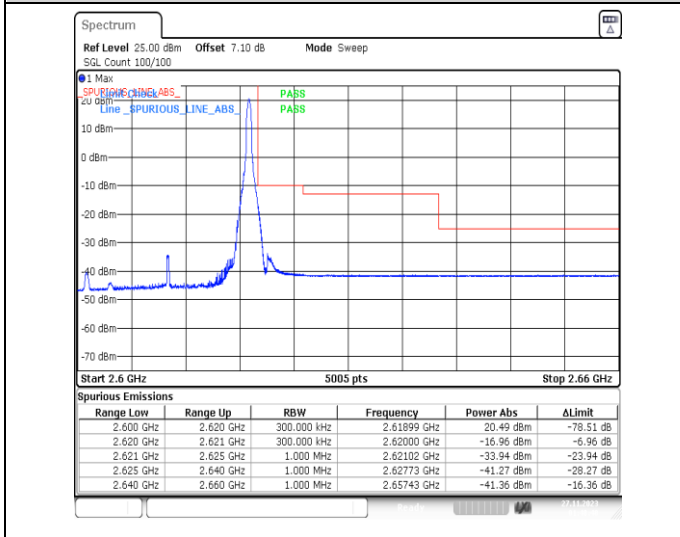
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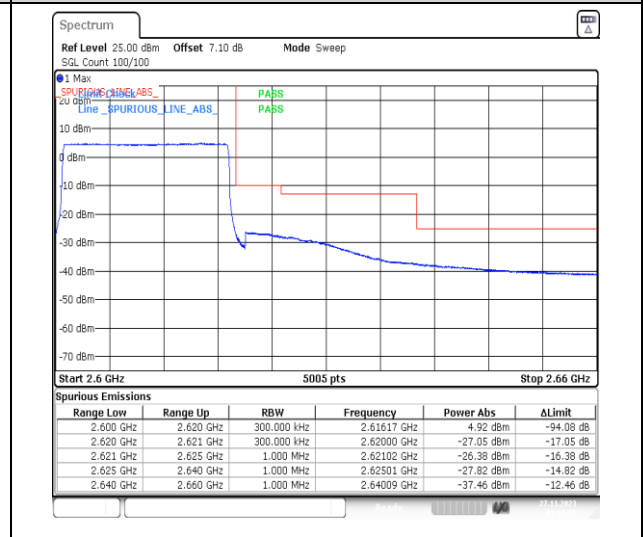
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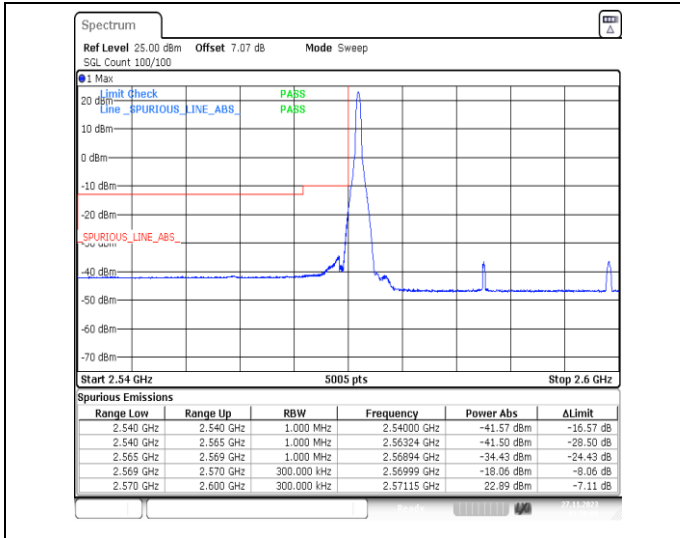
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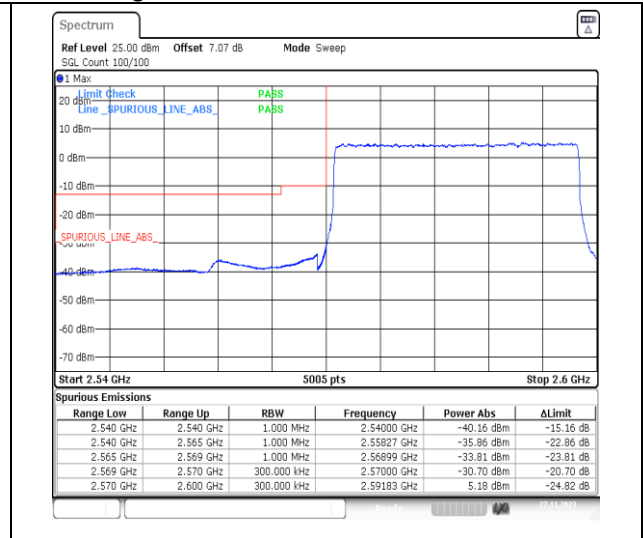
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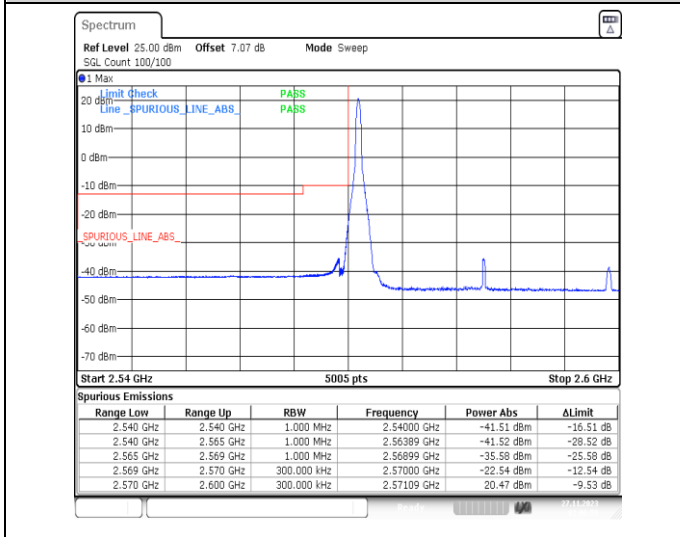
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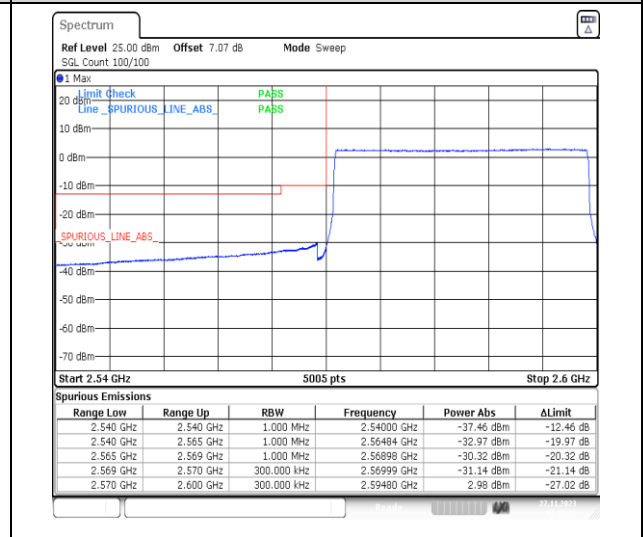
1-N38-PC3-30-30-L-1-DFT-PI2BPSK-Edge_1RB_Left-1@0-Ant31-1--PASS-see graph



1-N38-PC3-30-30-L-3-DFT-PI2BPSK-Outer_Full-75@0-Ant31-1--PASS-see graph



1-N38-PC3-30-30-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant31-1--PASS-see graph



1-N38-PC3-30-30-L-6-CP-QPSK-Outer_Full-78@0-Ant31-1--PASS-see graph



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