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Appendix B.24

NR Band n38



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Effective (Isotropic) Radiated Power Output Data for SA

Test Result

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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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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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Test Graphs



1-N38-PC3-30-40-L-1-DFT-256QAM-Outer_Full-100
@0-Ant31-6.60-PASS≤13



1-N38-PC3-30-40-L-2-CP-256QAM-Outer_Full-106
@0-Ant31-6.61-PASS≤13



1-N38-PC3-30-40-M-1-DFT-256QAM-Outer_Full-100
@0-Ant31-6.61-PASS≤13



1-N38-PC3-30-40-M-2-CP-256QAM-Outer_Full-106
@0-Ant31-6.57-PASS≤13



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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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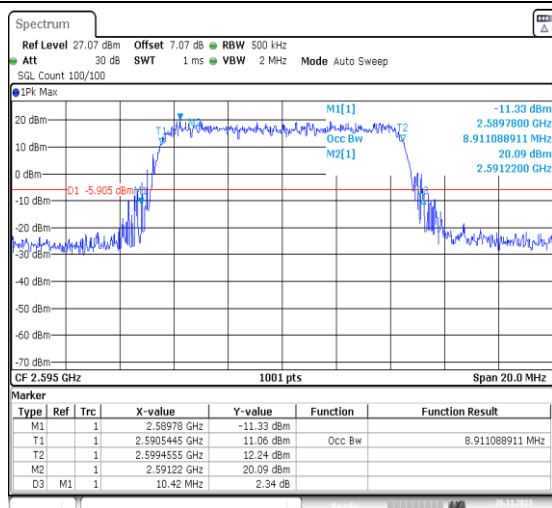
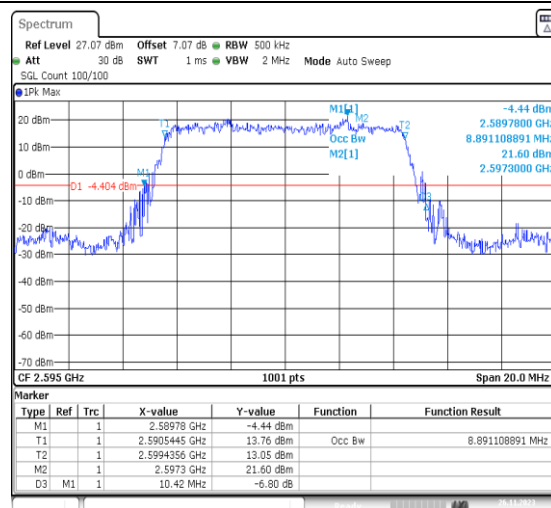
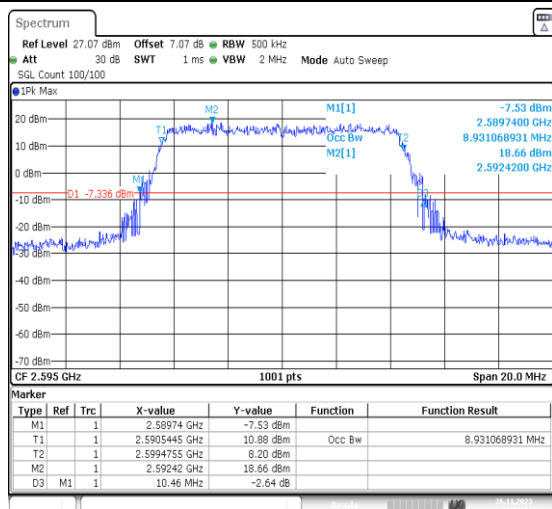
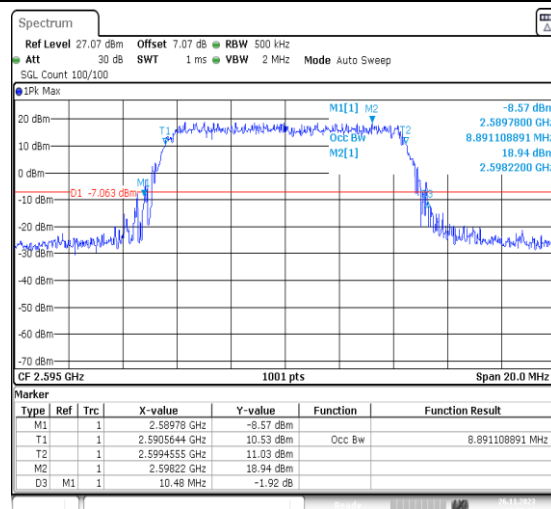
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Test Graphs

1-N38-PC3-30-10-M-1-DFT-QPSK-Outter_Full-24@0
-Ant31-8.911-10.420-≤10-PASS1-N38-PC3-30-10-M-2-DFT-PI2BPSK-Outter_Full-24
@0-Ant31-8.891-10.420-≤10-PASS1-N38-PC3-30-10-M-3-DFT-16QAM-Outter_Full-24@
0-Ant31-8.931-10.460-≤10-PASS1-N38-PC3-30-10-M-4-DFT-64QAM-Outter_Full-24@
0-Ant31-8.891-10.480-≤10-PASS

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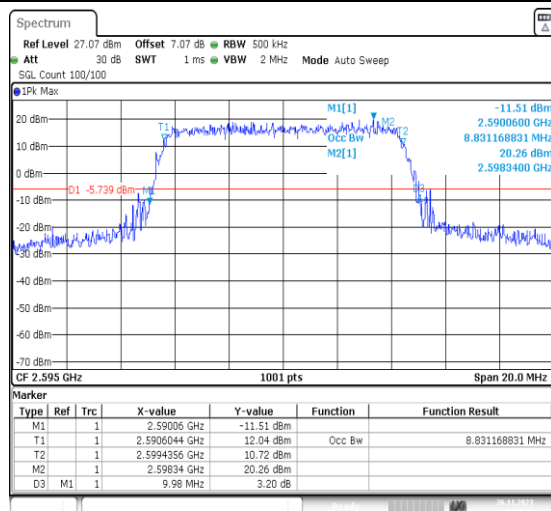
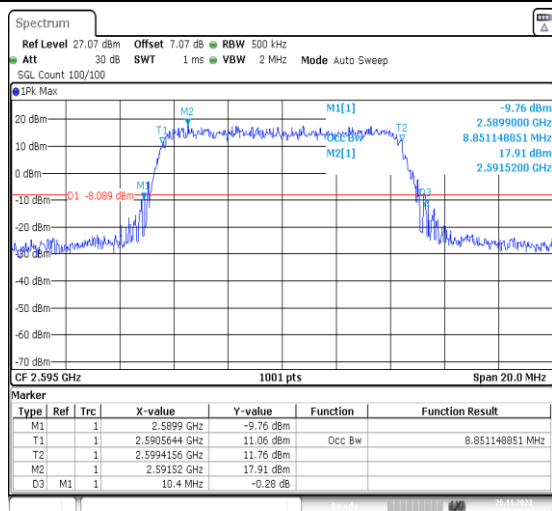
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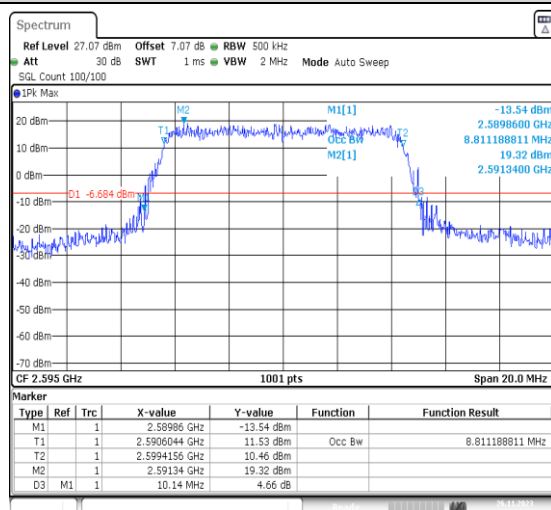
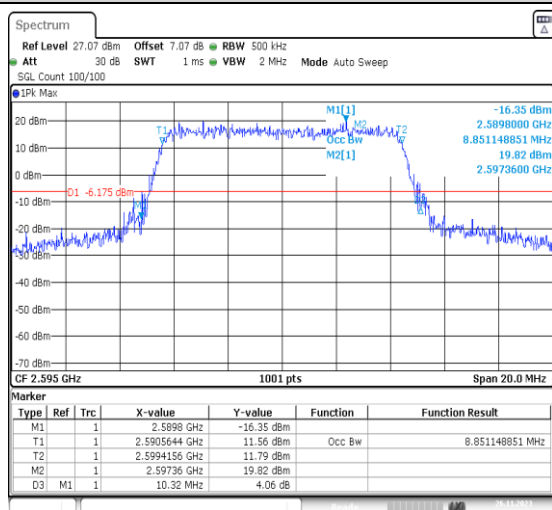
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1-N38-PC3-30-10-M-5-DFT-256QAM-Outer_Full-24@0-Ant31-8.851-10.400-≤10-PASS

1-N38-PC3-30-10-M-6-CP-QPSK-Outer_Full-24@0-Ant31-8.831-9.980-≤10-PASS



1-N38-PC3-30-10-M-7-CP-16QAM-Outer_Full-24@0-Ant31-8.851-10.320-≤10-PASS

1-N38-PC3-30-10-M-8-CP-64QAM-Outer_Full-24@0-Ant31-8.811-10.140-≤10-PASS



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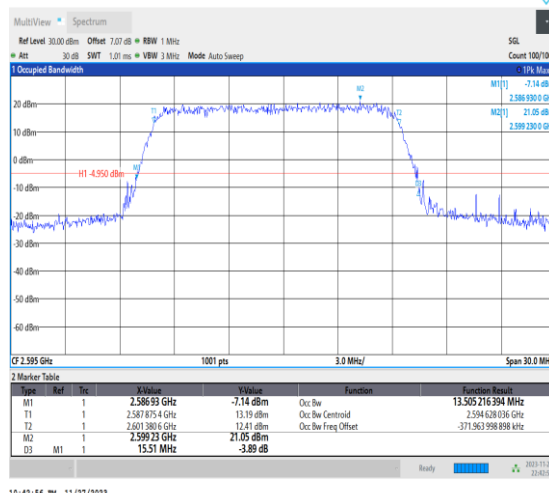
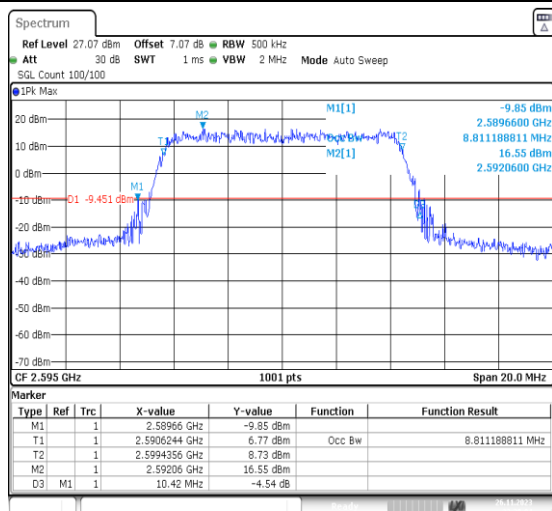
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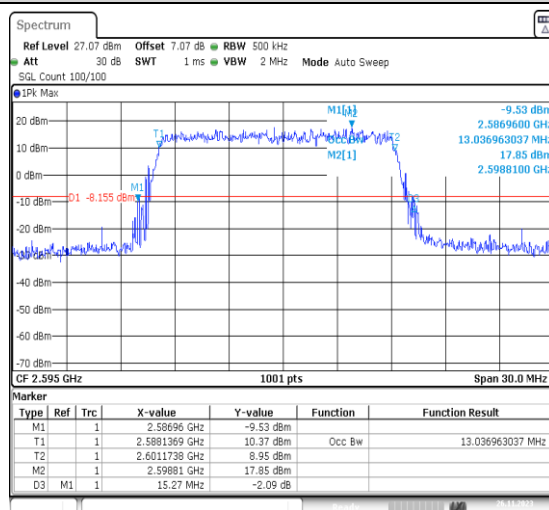
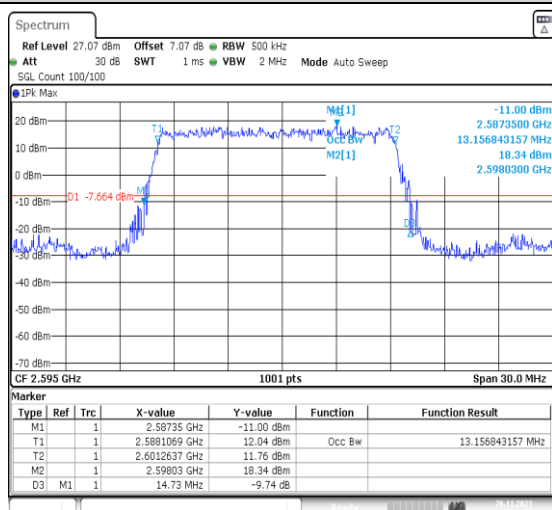
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1-N38-PC3-30-10-M-9-CP-256QAM-Outer_Full-24@
0-Ant31-8.811-10.420-≤10-PASS

1-N38-PC3-30-15-M-1-DFT-QPSK-Outer_Full-36@0
-Ant31-13.505-15.510-≤15-PASS



1-N38-PC3-30-15-M-2-DFT-PI2BPSK-Outer_Full-36
@0-Ant31-13.157-14.730-≤15-PASS

1-N38-PC3-30-15-M-3-DFT-16QAM-Outer_Full-36@
0-Ant31-13.037-15.270-≤15-PASS



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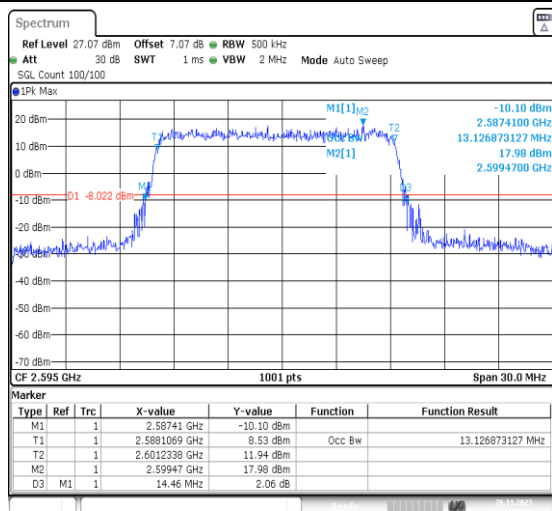
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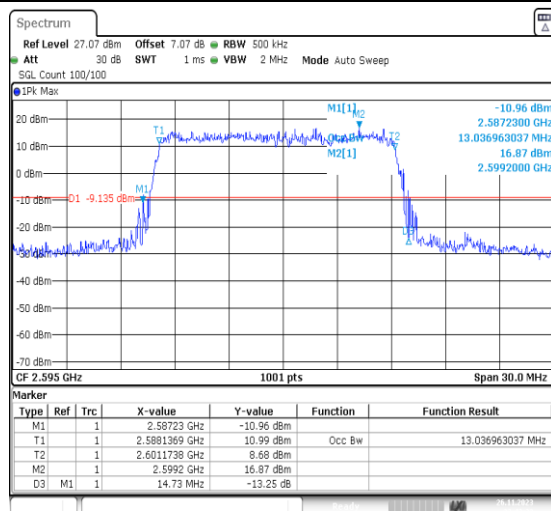
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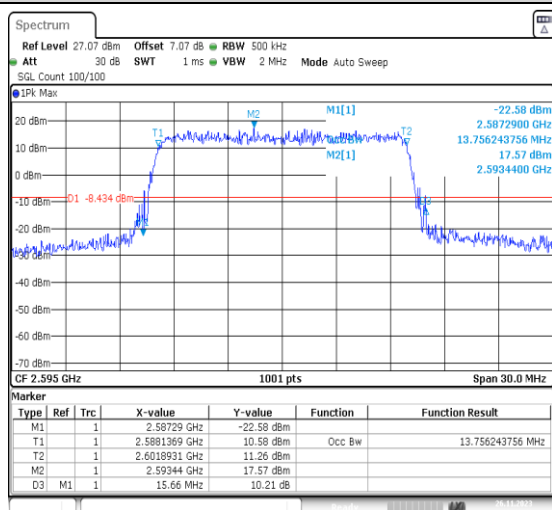
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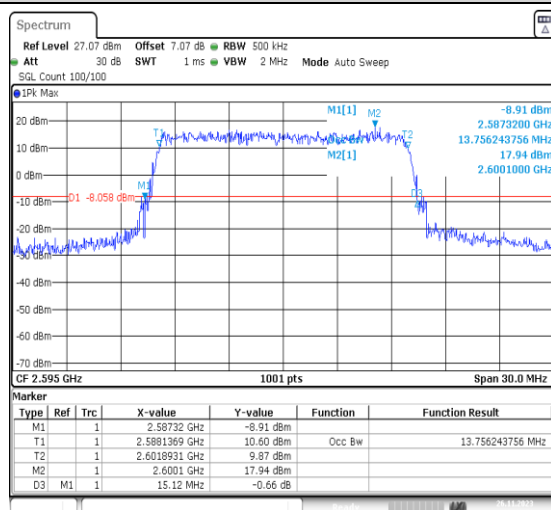
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1-N38-PC3-30-15-M-5-DFT-256QAM-Outer_Full-36
@0-Ant31-13.037-14.730-≤15-PASS



1-N38-PC3-30-15-M-6-CP-QPSK-Outer_Full-38@0-
Ant31-13.756-15.660-≤15-PASS



1-N38-PC3-30-15-M-7-CP-16QAM-Outer_Full-38@0
-Ant31-13.756-15.120-≤15-PASS



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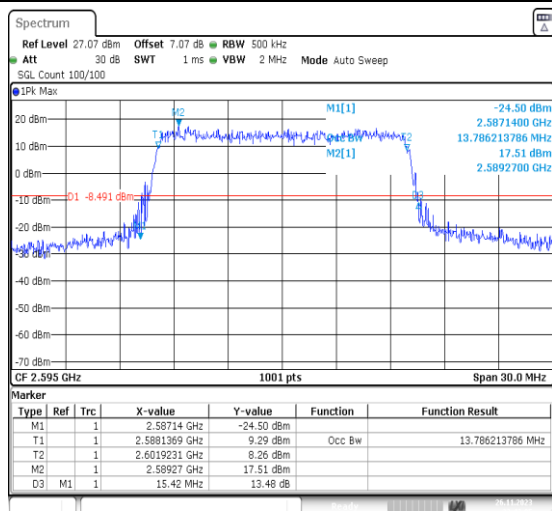
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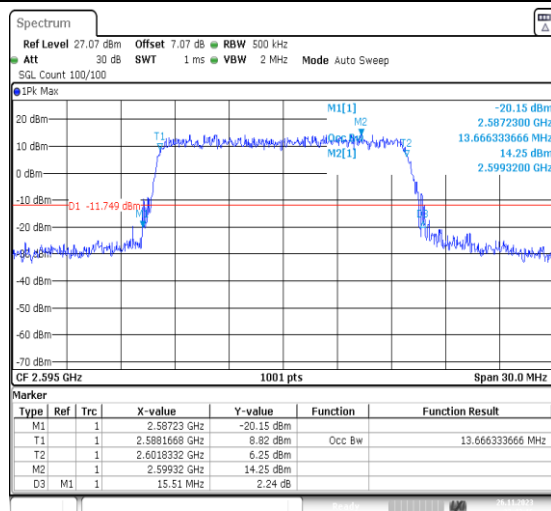
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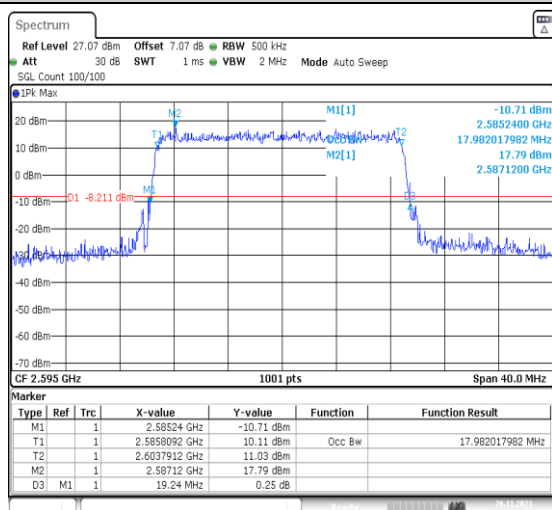
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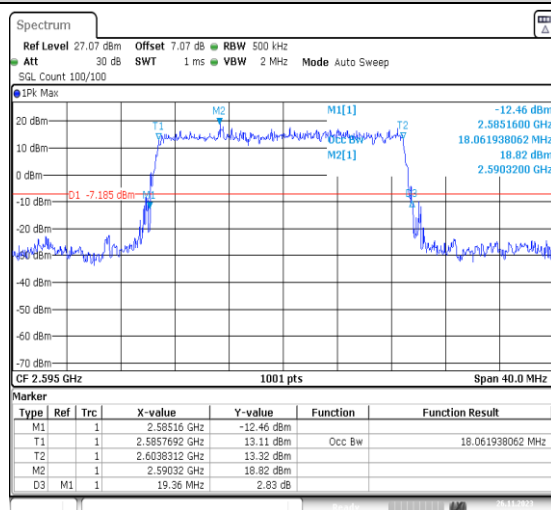
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1-N38-PC3-30-20-M-1-DFT-QPSK-Outer_Full-50@0
-Ant31-17.982-19.240-≤20-PASS



1-N38-PC3-30-20-M-2-DFT-PI2BPSK-Outer_Full-50@0-Ant31-18.062-19.360-≤20-PASS



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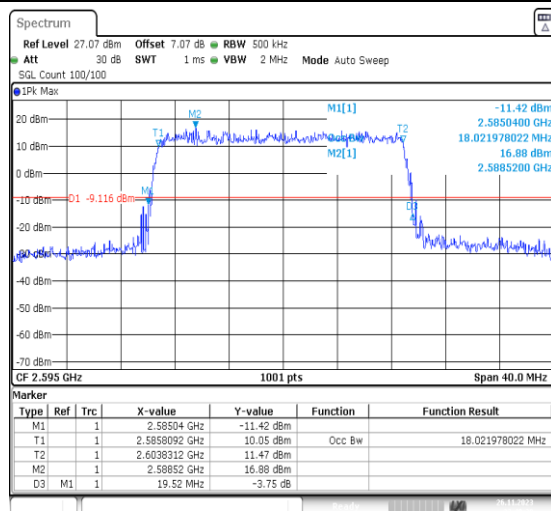
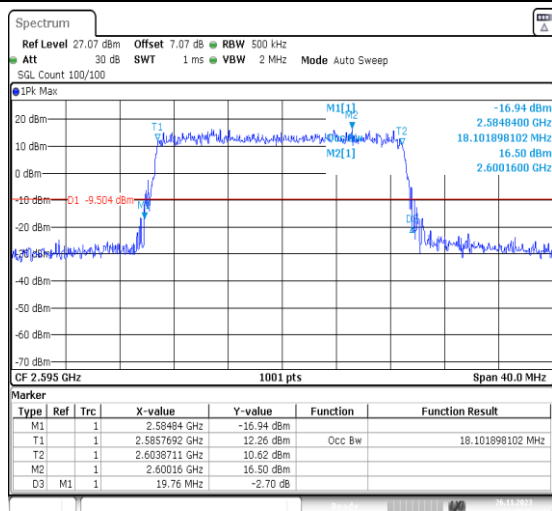
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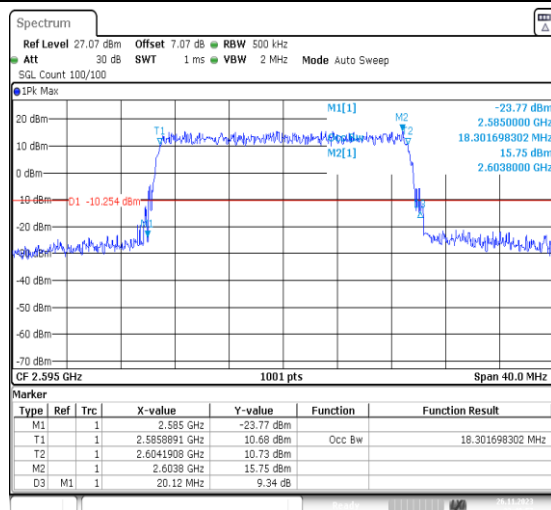
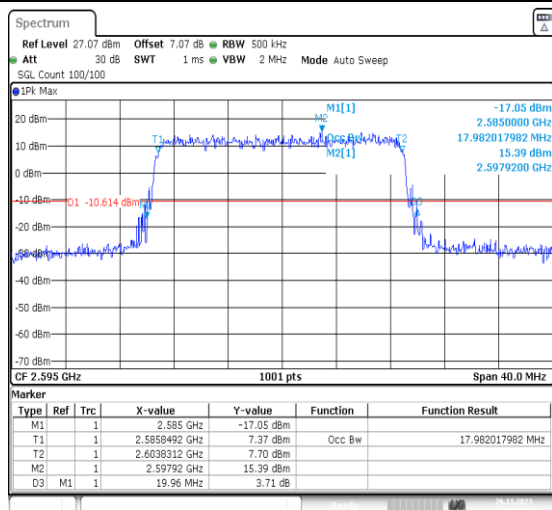
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1-N38-PC3-30-20-M-4-DFT-64QAM-Outer_Full-50@
0-Ant31-18.022-19.520-≤20-PASS



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

1-N38-PC3-30-20-M-6-CP-QPSK-Outer_Full-51@0-
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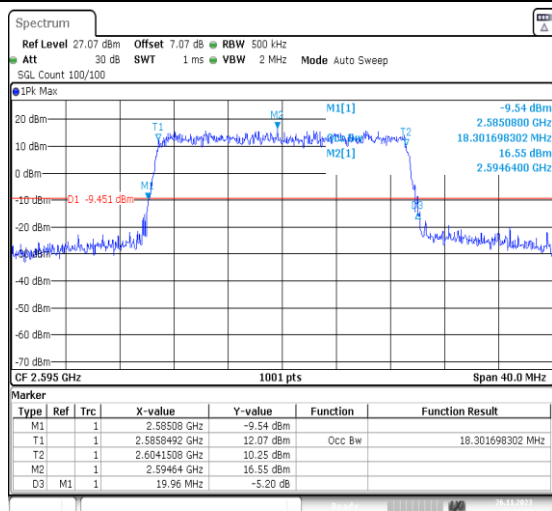
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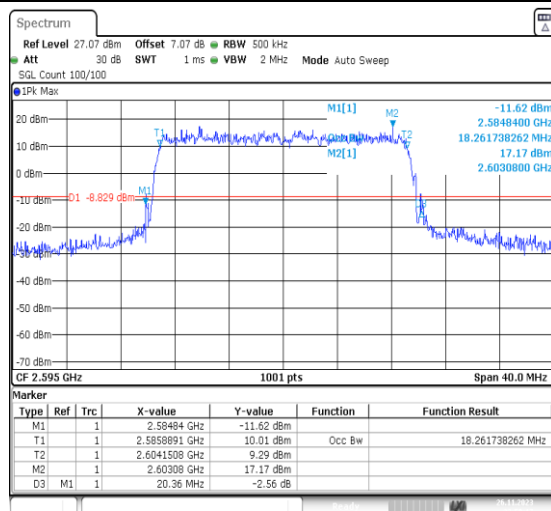
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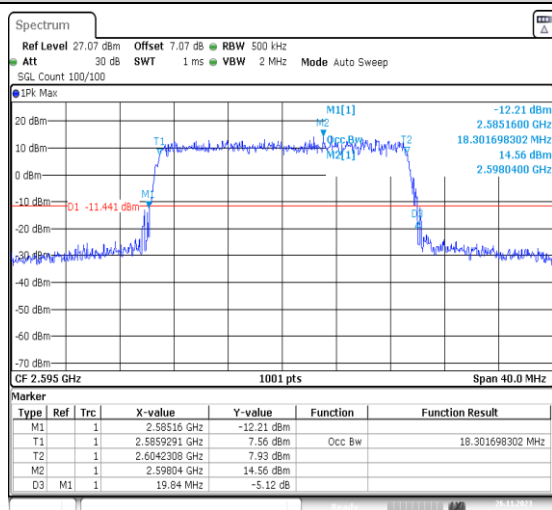
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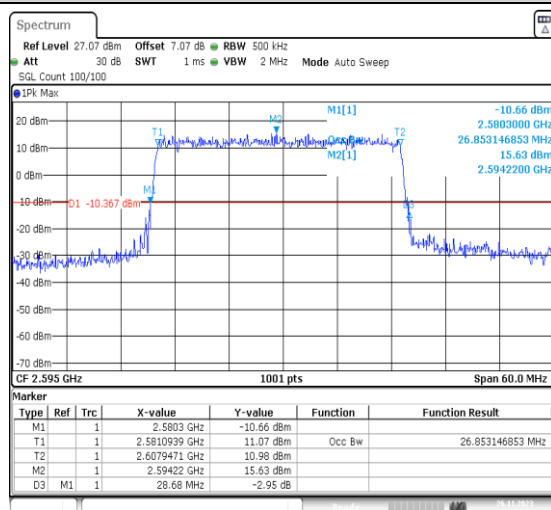
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-Ant31-18.262-20.360-≤20-PASS



1-N38-PC3-30-20-M-9-CP-256QAM-Outet_Full-51@0
0-Ant31-18.302-19.840-≤20-PASS



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



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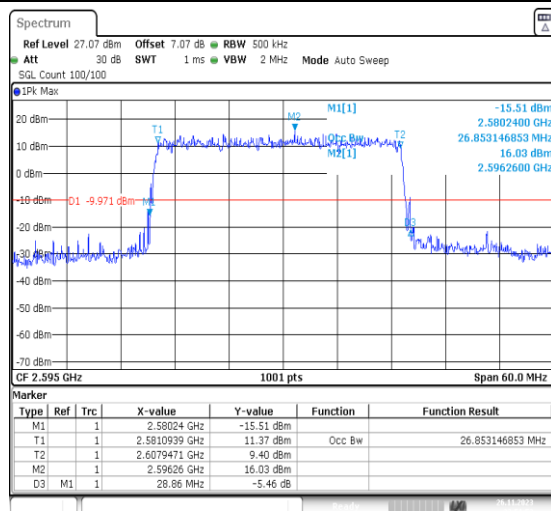
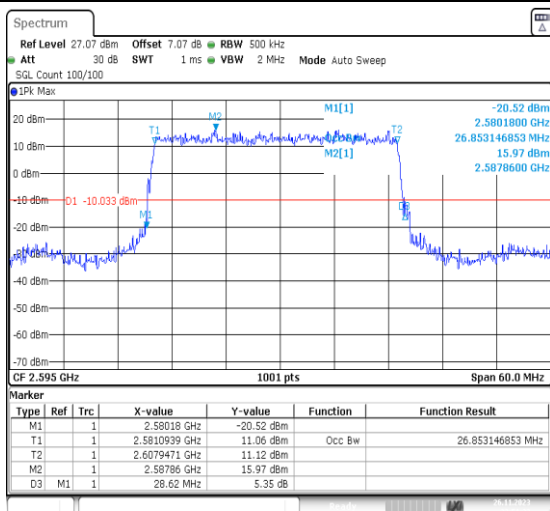
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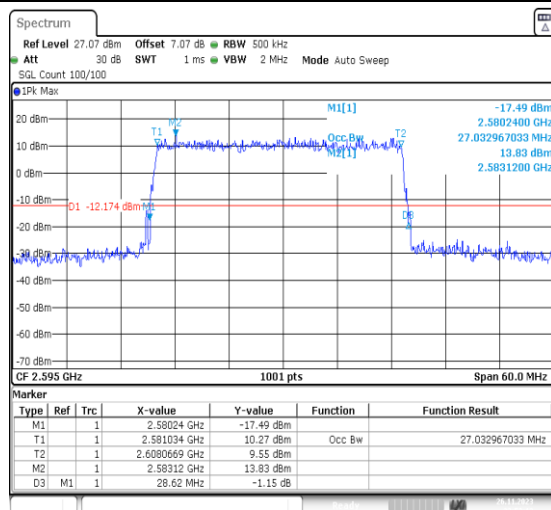
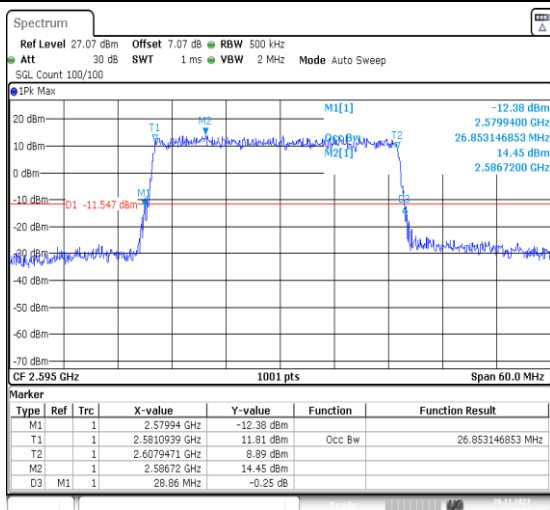
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1-N38-PC3-30-30-M-2-DFT-PI2BPSK-Outer_Full-75
@0-Ant31-26.853-28.620-≤30-PASS

1-N38-PC3-30-30-M-3-DFT-16QAM-Outer_Full-75@
0-Ant31-26.853-28.860-≤30-PASS



1-N38-PC3-30-30-M-4-DFT-64QAM-Outer_Full-75@
0-Ant31-26.853-28.860-≤30-PASS

1-N38-PC3-30-30-M-5-DFT-256QAM-Outer_Full-75
@0-Ant31-27.033-28.620-≤30-PASS



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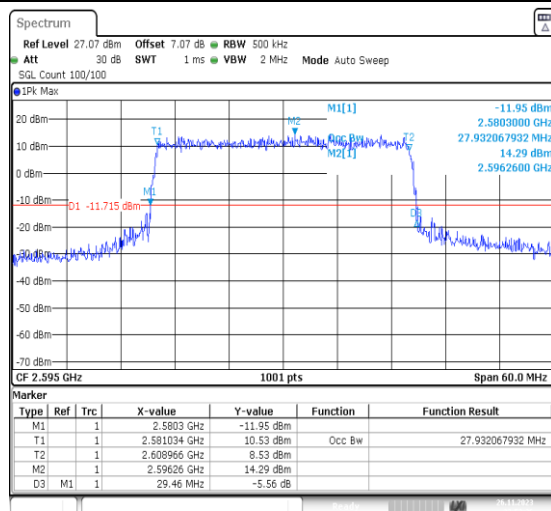
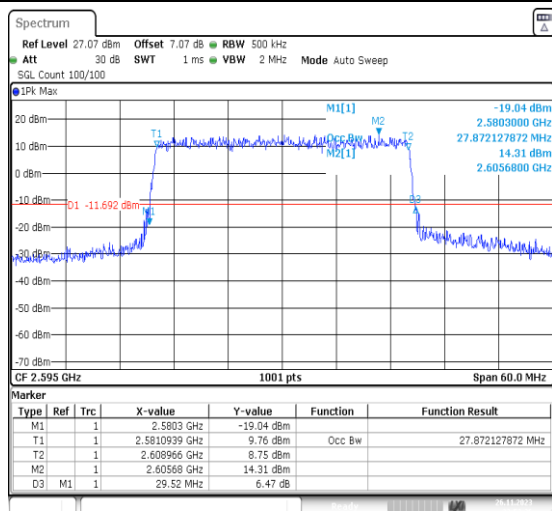
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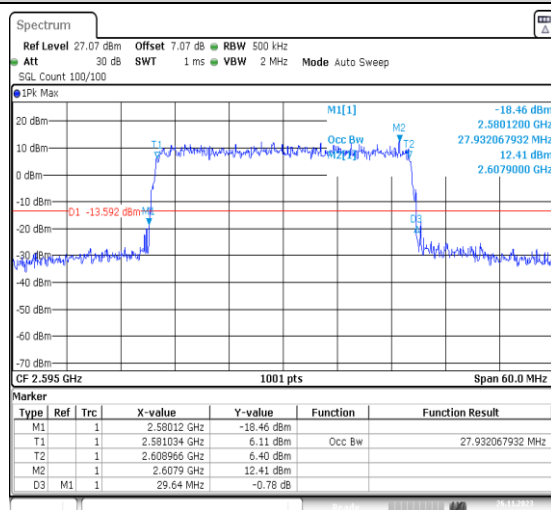
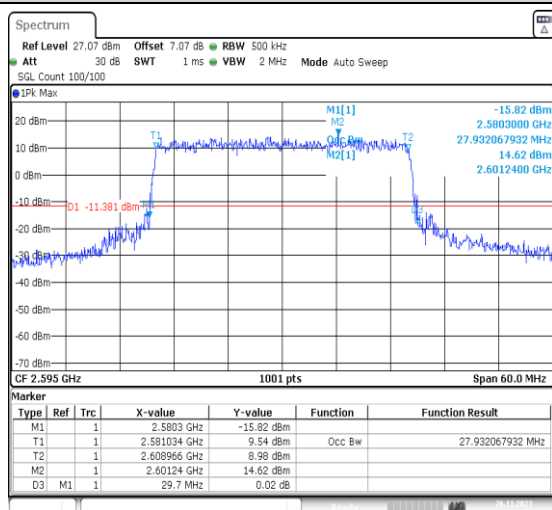
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1-N38-PC3-30-30-M-7-CP-16QAM-Outer_Full-78@0-Ant31-27.932-29.460-≤30-PASS



1-N38-PC3-30-30-M-8-CP-64QAM-Outer_Full-78@0-Ant31-27.932-29.700-≤30-PASS

1-N38-PC3-30-30-M-9-CP-256QAM-Outer_Full-78@0-Ant31-27.932-29.640-≤30-PASS



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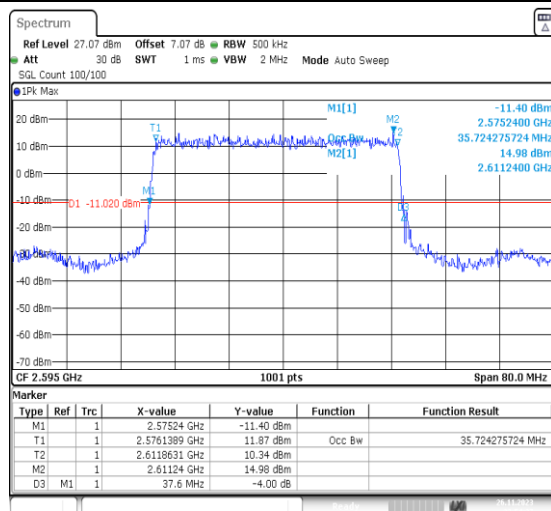
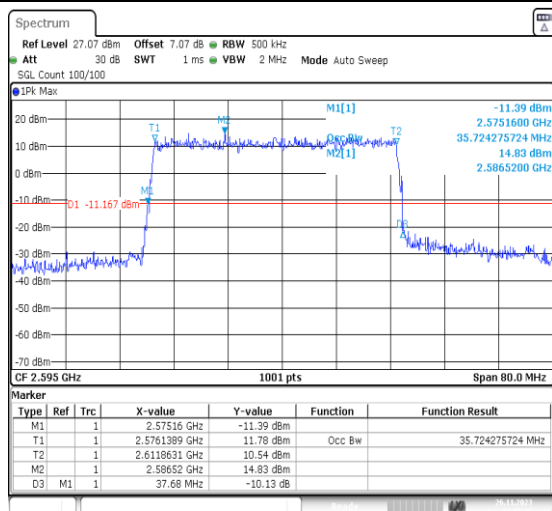
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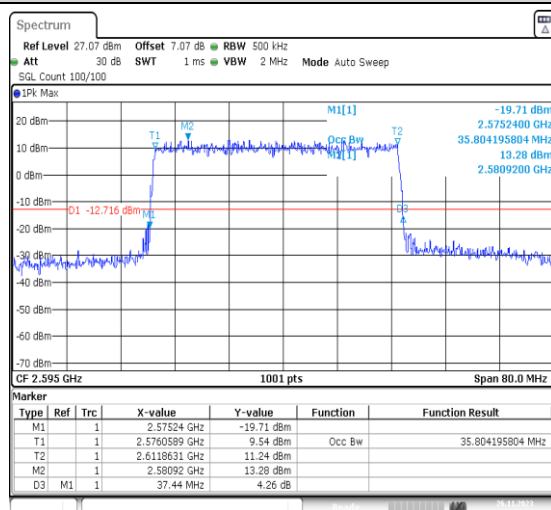
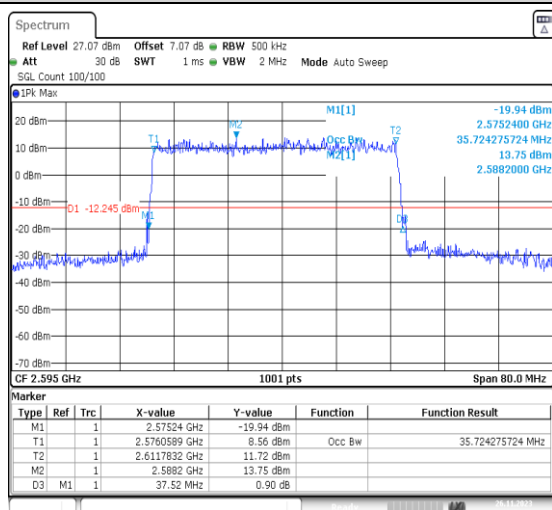
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1-N38-PC3-30-40-M-1-DFT-QPSK-Outter_Full-100@
0-Ant31-35.724-37.680-≤40-PASS

1-N38-PC3-30-40-M-2-DFT-PI2BPSK-Outter_Full-10
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1-N38-PC3-30-40-M-3-DFT-16QAM-Outter_Full-100
@0-Ant31-35.724-37.520-≤40-PASS

1-N38-PC3-30-40-M-4-DFT-64QAM-Outter_Full-100
@0-Ant31-35.804-37.440-≤40-PASS



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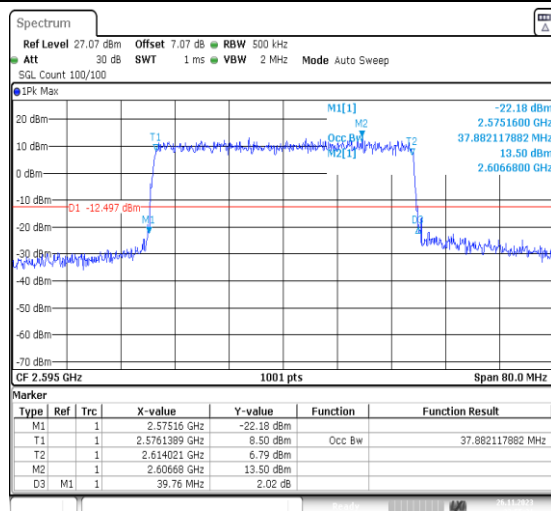
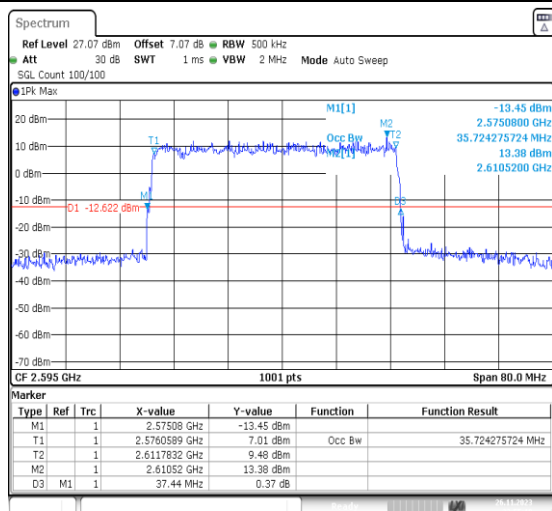
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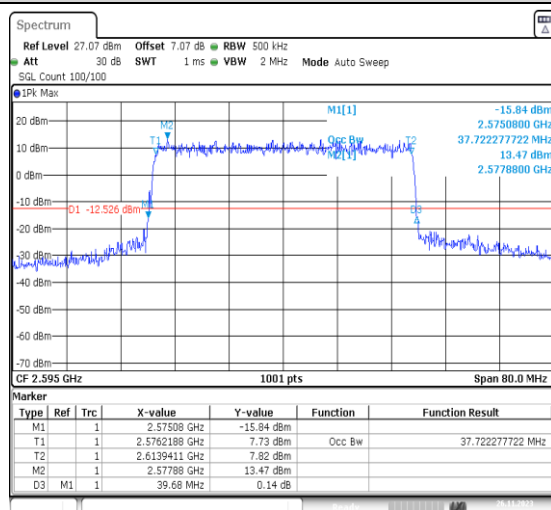
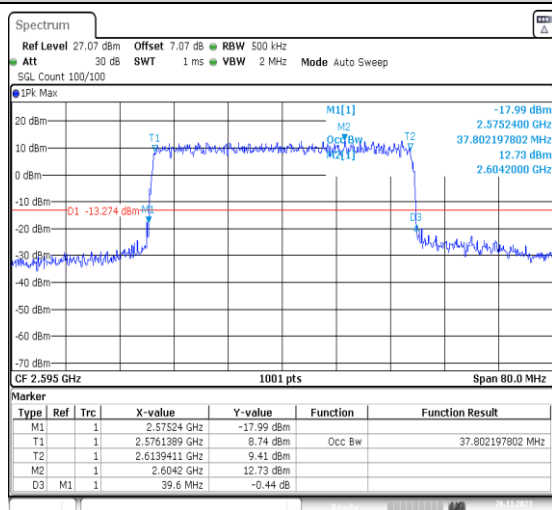
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1-N38-PC3-30-40-M-5-DFT-256QAM-Outter_Full-100
@0-Ant31-35.724-37.440-≤40-PASS

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



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

1-N38-PC3-30-40-M-8-CP-64QAM-Outter_Full-106@
0-Ant31-37.722-39.680-≤40-PASS



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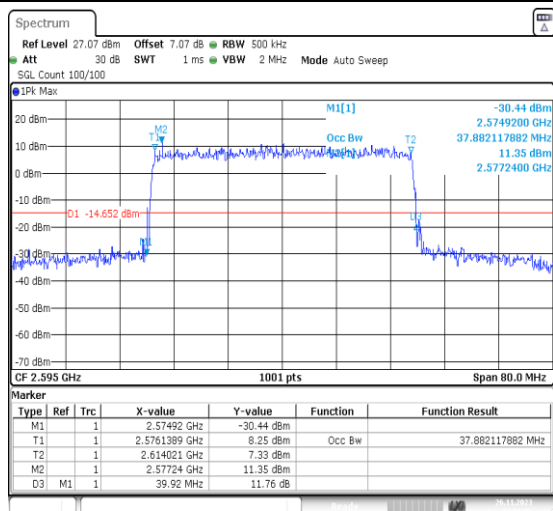
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@0-Ant31-37.882-39.920-≤40-PASS



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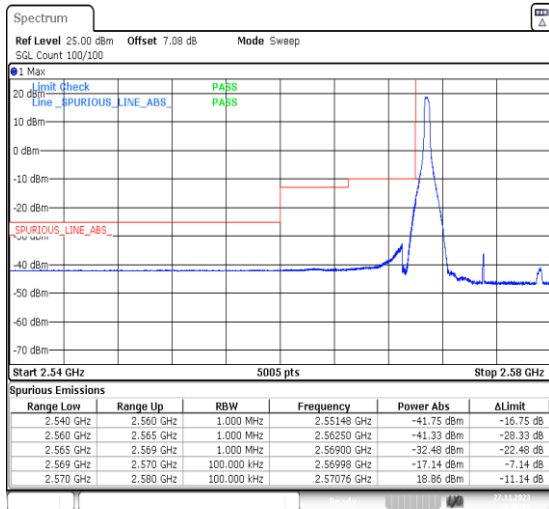
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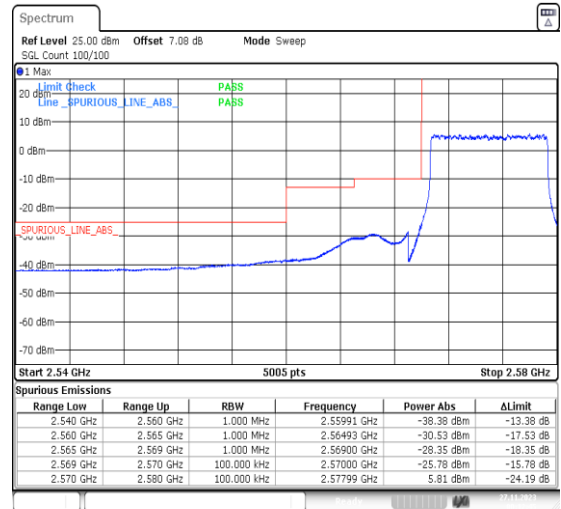
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Band Edge for SA

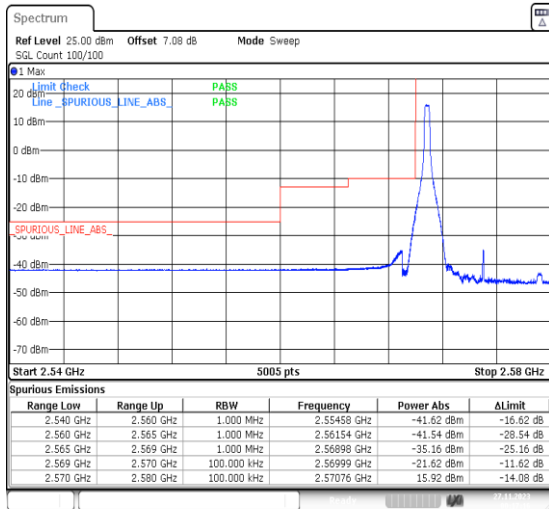
Test Graphs



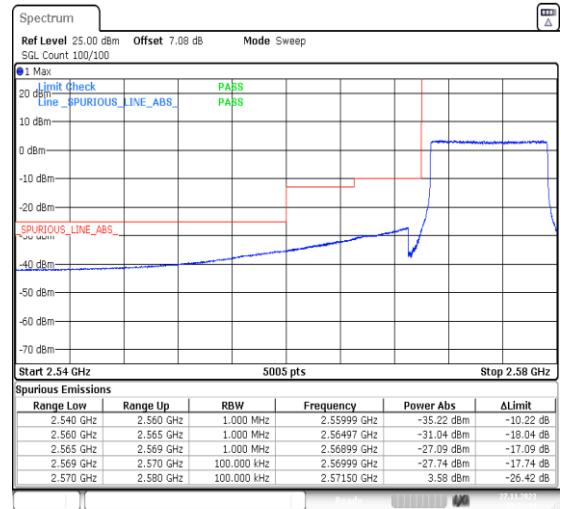
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1-N38-PC3-30-10-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant31-1--PASS-see graph



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



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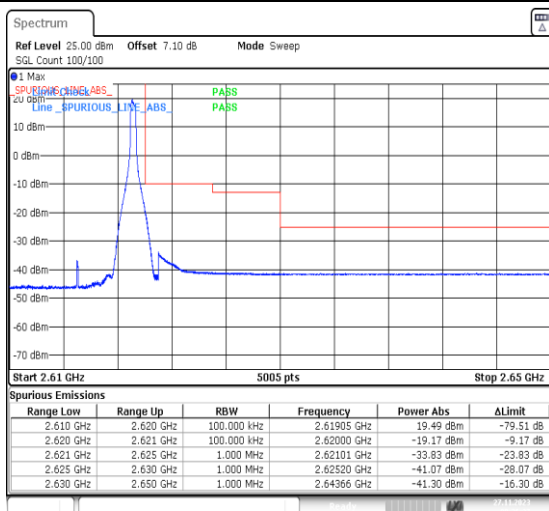
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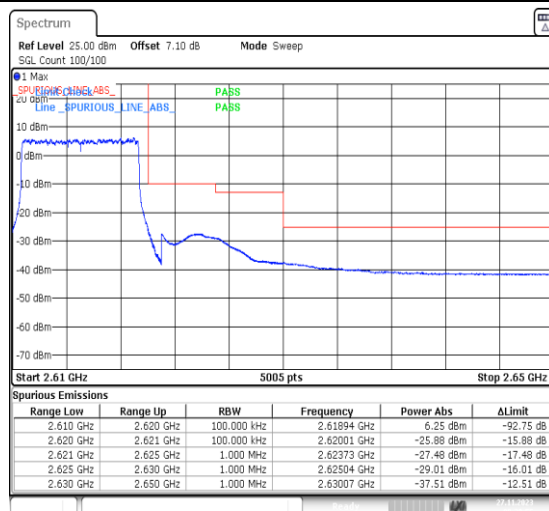
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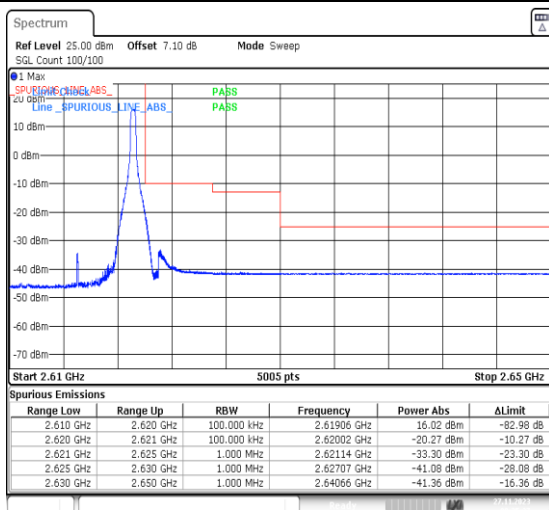
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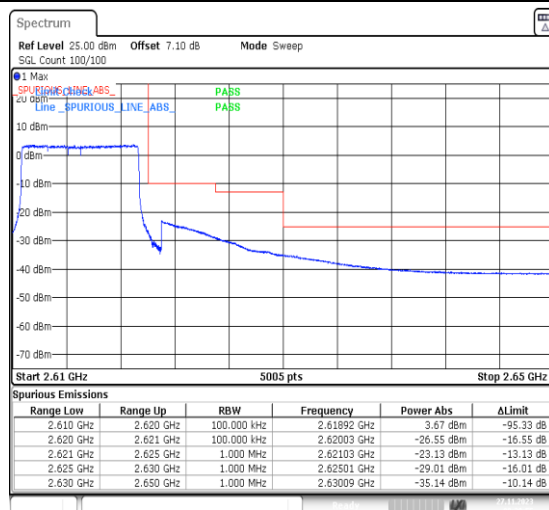
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1-N38-PC3-30-10-H-5-CP-QPSK-Edge_1RB_Right-1@23-Ant31-1--PASS-see graph



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



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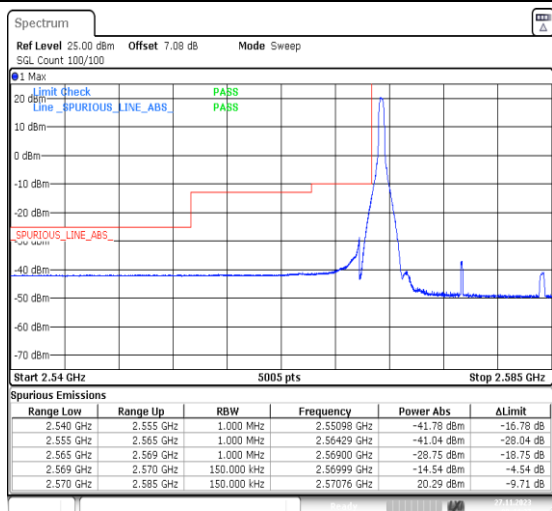
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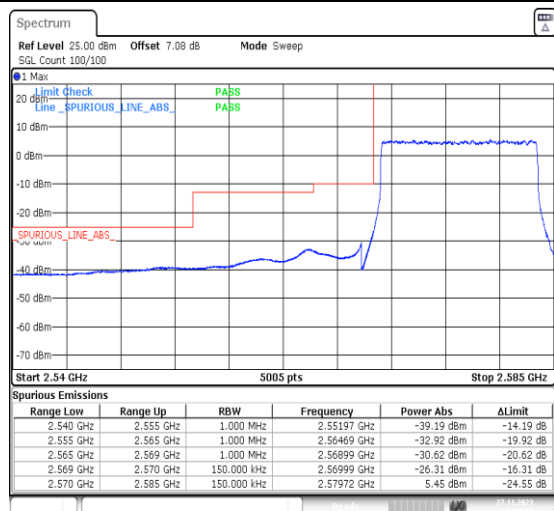
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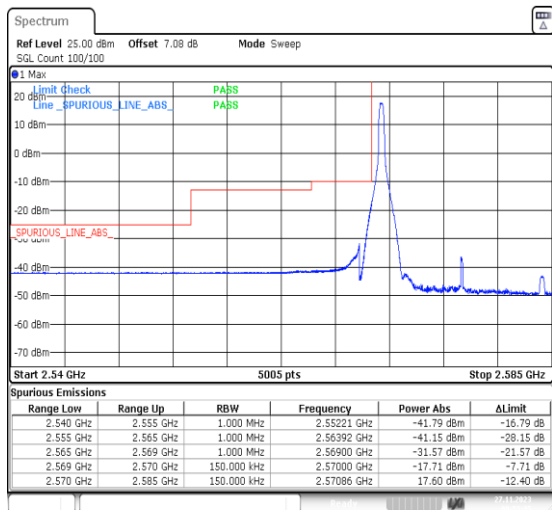
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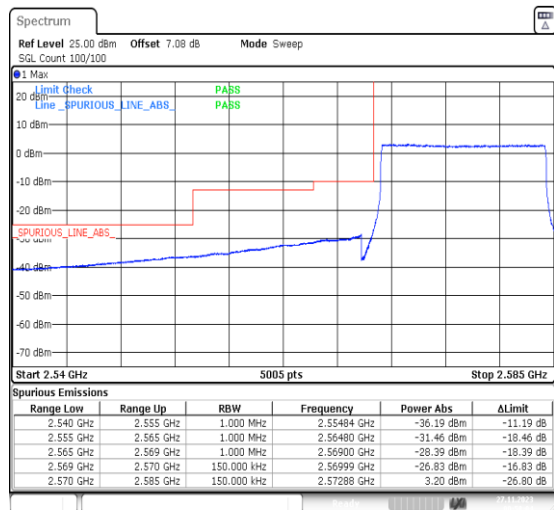
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1-N38-PC3-30-15-L-6-CP-QPSK-Outer_Full-38@0-Ant31-1--PASS-see graph



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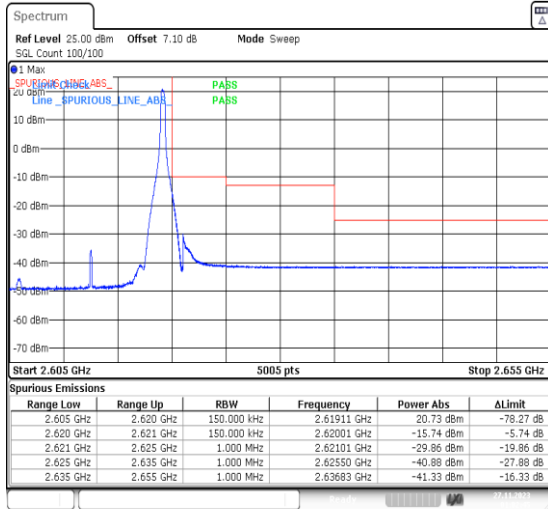
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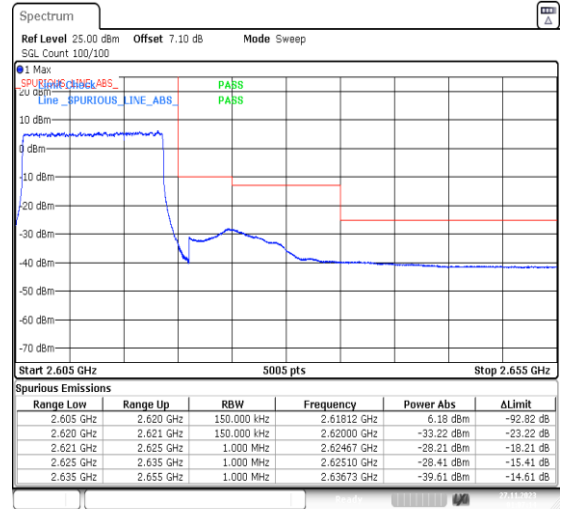
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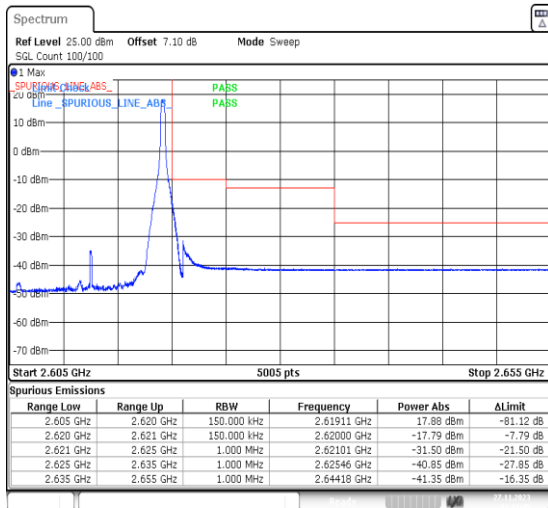
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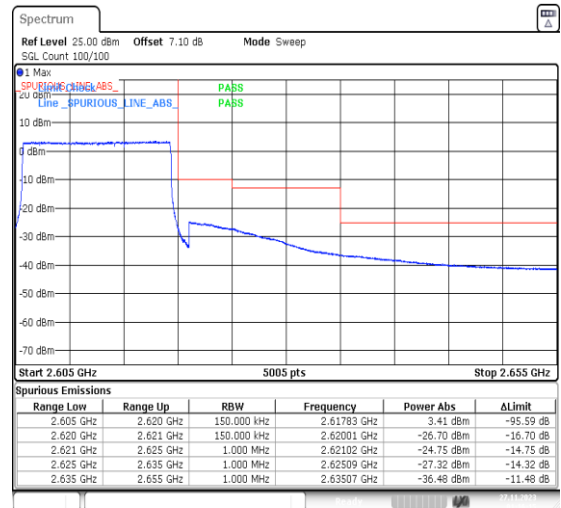
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1-N38-PC3-30-15-H-5-CP-QPSK-Edge_1RB_Right-1 @37-Ant31-1--PASS-see graph



1-N38-PC3-30-15-H-6-CP-QPSK-Outer_Full-38@ 0-Ant31-1--PASS-see graph



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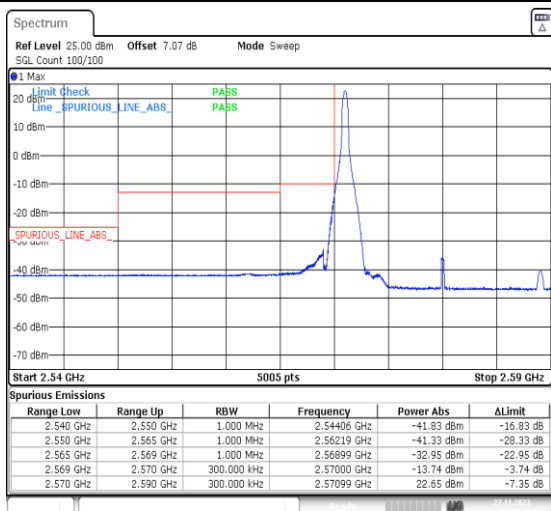
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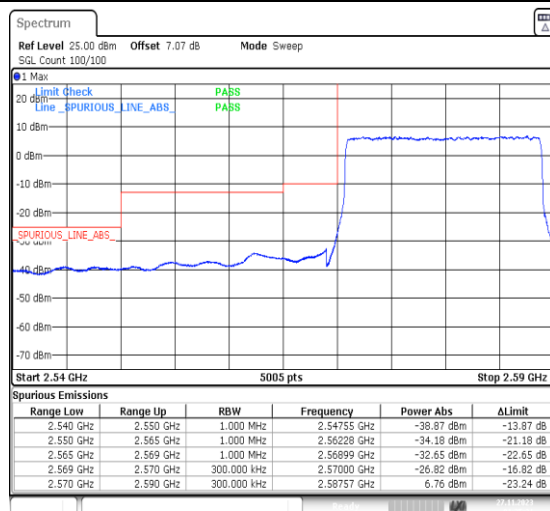
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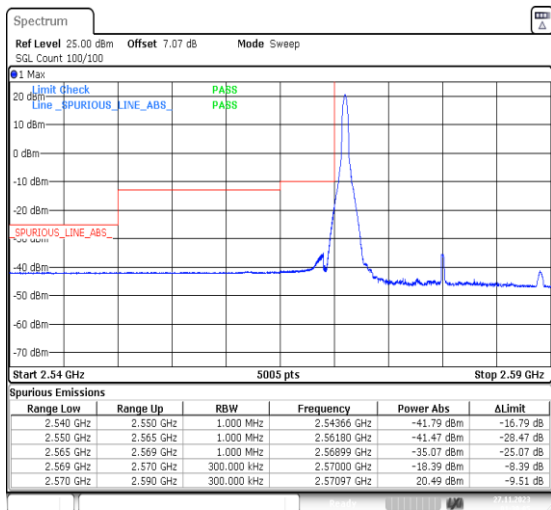
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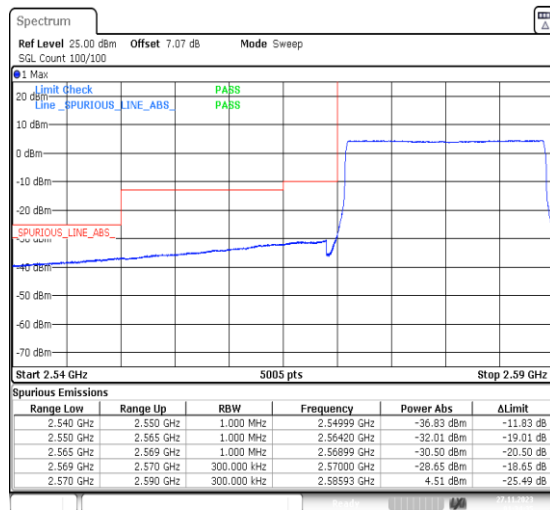
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1-N38-PC3-30-20-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant31-1--PASS-see graph



1-N38-PC3-30-20-L-6-CP-QPSK-Outer_Full-51@0-Ant31-1--PASS-see graph



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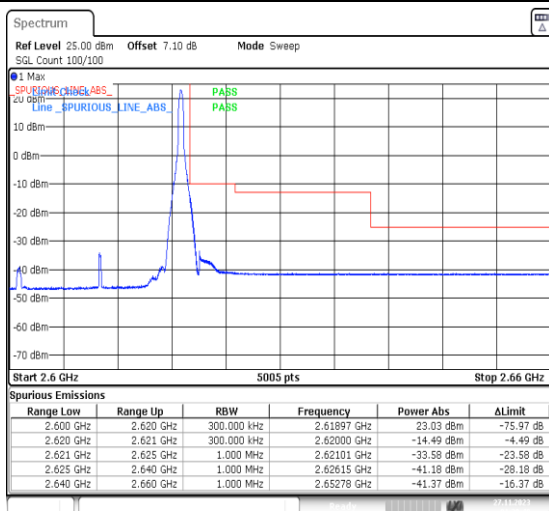
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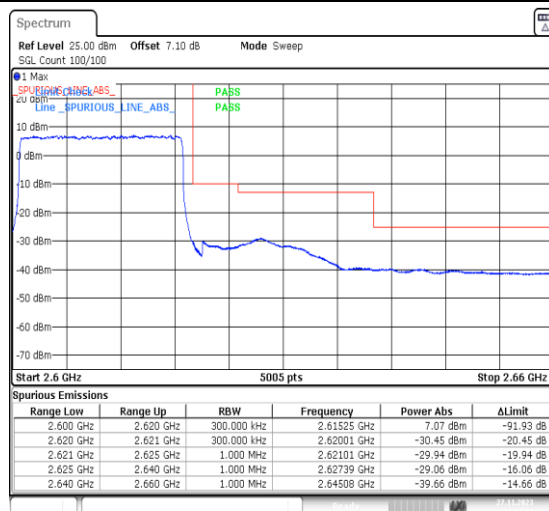
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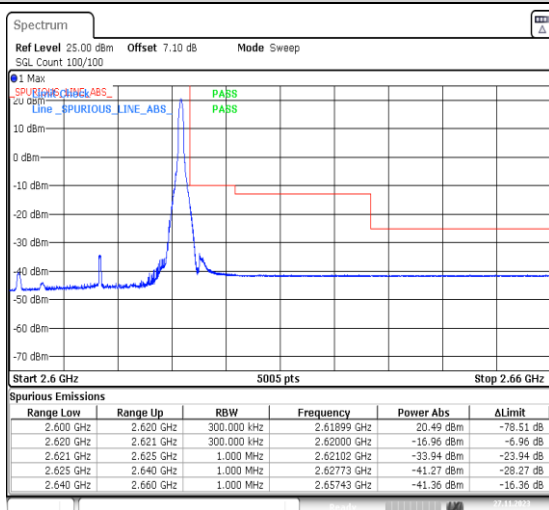
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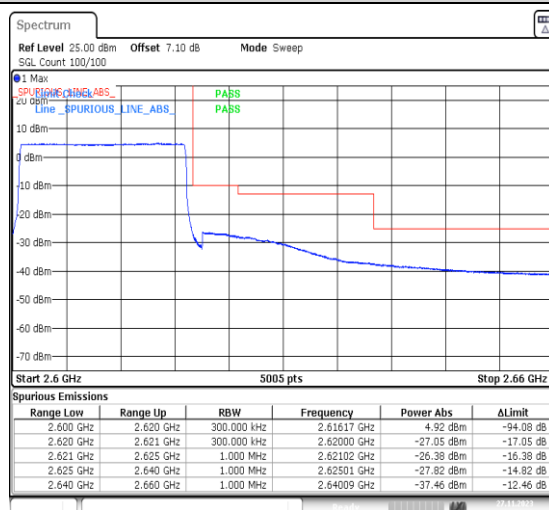
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1-N38-PC3-30-20-H-5-CP-QPSK-Edge_1RB_Righ t-1@50-Ant31-1--PASS-see graph



1-N38-PC3-30-20-H-6-CP-QPSK-Outer_Full-51@ 0-Ant31-1--PASS-see graph



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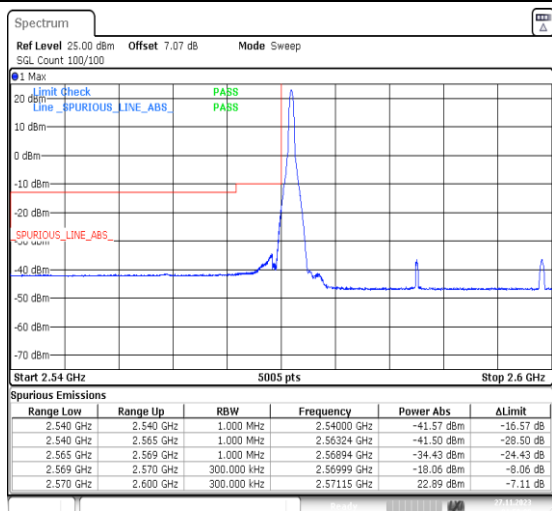
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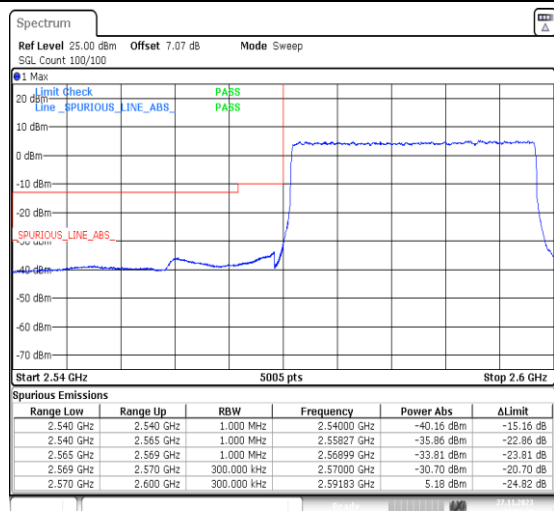
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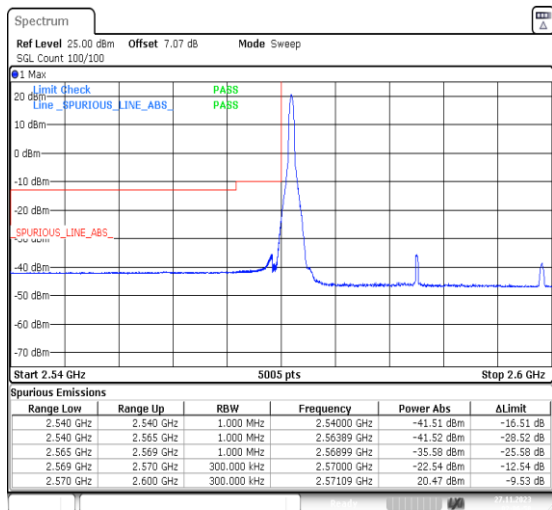
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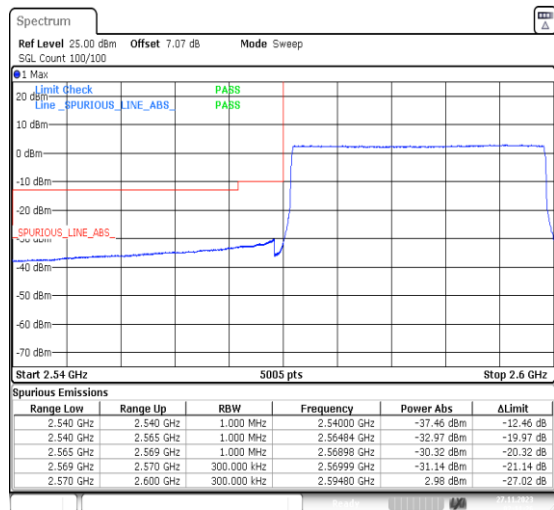
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1-N38-PC3-30-30-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant31-1--PASS-see graph



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



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