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Appendix B.24

NR Band n48



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Effective (Isotropic) Radiated Power Output Data for SA

Test Result

Ant4

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Power (dBm/10MHz)	EIRP (dBm/10MHz)	Limit	Verdict
N48	30	10	DFT-QPSK	L	Inner_1RB_Left	22.13	21.45	23.00	PASS
N48	30	10	DFT-16QAM	L	Inner_1RB_Left	21.02	20.34	23.00	PASS
N48	30	10	DFT-QPSK	M	Inner_1RB_Left	21.84	21.16	23.00	PASS
N48	30	10	DFT-16QAM	M	Inner_1RB_Left	20.96	20.28	23.00	PASS
N48	30	10	DFT-QPSK	H	Inner_1RB_Left	21.61	20.93	23.00	PASS
N48	30	10	DFT-16QAM	H	Inner_1RB_Left	20.74	20.06	23.00	PASS
N48	30	15	DFT-QPSK	L	Inner_1RB_Left	21.97	21.29	23.00	PASS
N48	30	15	DFT-16QAM	L	Inner_1RB_Left	20.97	20.29	23.00	PASS
N48	30	15	DFT-QPSK	M	Inner_1RB_Left	21.97	21.29	23.00	PASS
N48	30	15	DFT-16QAM	M	Inner_1RB_Left	20.86	20.18	23.00	PASS
N48	30	15	DFT-QPSK	H	Inner_1RB_Left	20.59	19.91	23.00	PASS
N48	30	15	DFT-16QAM	H	Inner_1RB_Left	20.58	19.9	23.00	PASS
N48	30	20	DFT-QPSK	L	Inner_1RB_Left	21.97	21.29	23.00	PASS
N48	30	20	DFT-16QAM	L	Inner_1RB_Left	21	20.32	23.00	PASS
N48	30	20	DFT-QPSK	M	Inner_1RB_Left	21.87	21.19	23.00	PASS
N48	30	20	DFT-16QAM	M	Inner_1RB_Left	20.89	20.21	23.00	PASS
N48	30	20	DFT-QPSK	H	Inner_1RB_Left	21.47	20.79	23.00	PASS
N48	30	20	DFT-16QAM	H	Inner_1RB_Left	20.52	19.84	23.00	PASS
N48	30	40	DFT-PI2BPSK	L	Inner_1RB_Left	22.15	21.47	23.00	PASS
N48	30	40	DFT-PI2BPSK	L	Inner_1RB_Right	21.69	21.01	23.00	PASS
N48	30	40	DFT-PI2BPSK	L	Outer_Full	21.55	20.87	23.00	PASS
N48	30	40	DFT-QPSK	L	Inner_1RB_Left	22.22	21.54	23.00	PASS
N48	30	40	DFT-QPSK	L	Inner_1RB_Right	21.77	21.09	23.00	PASS
N48	30	40	DFT-QPSK	L	Outer_Full	21.04	20.36	23.00	PASS
N48	30	40	DFT-16QAM	L	Inner_1RB_Left	21.21	20.53	23.00	PASS
N48	30	40	DFT-16QAM	L	Inner_1RB_Right	20.75	20.07	23.00	PASS
N48	30	40	DFT-16QAM	L	Outer_Full	20.08	19.4	23.00	PASS
N48	30	40	DFT-64QAM	L	Inner_1RB_Left	19.8	19.12	23.00	PASS
N48	30	40	DFT-64QAM	L	Inner_1RB_Right	19.28	18.6	23.00	PASS
N48	30	40	DFT-64QAM	L	Outer_Full	19.62	18.94	23.00	PASS



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N48	30	40	DFT-256QAM	L	Inner_1RB_Left	17.56	16.88	23.00	PASS
N48	30	40	DFT-256QAM	L	Inner_1RB_Right	17.09	16.41	23.00	PASS
N48	30	40	DFT-256QAM	L	Outer_Full	17.59	16.91	23.00	PASS
N48	30	40	DFT-PI2BPSK	M	Inner_1RB_Left	21.97	21.29	23.00	PASS
N48	30	40	DFT-PI2BPSK	M	Inner_1RB_Right	21.47	20.79	23.00	PASS
N48	30	40	DFT-PI2BPSK	M	Outer_Full	21.5	20.82	23.00	PASS
N48	30	40	DFT-QPSK	M	Inner_1RB_Left	22.18	21.5	23.00	PASS
N48	30	40	DFT-QPSK	M	Inner_1RB_Right	21.6	20.92	23.00	PASS
N48	30	40	DFT-QPSK	M	Outer_Full	20.93	20.25	23.00	PASS
N48	30	40	DFT-16QAM	M	Inner_1RB_Left	21.1	20.42	23.00	PASS
N48	30	40	DFT-16QAM	M	Inner_1RB_Right	20.73	20.05	23.00	PASS
N48	30	40	DFT-16QAM	M	Outer_Full	19.89	19.21	23.00	PASS
N48	30	40	DFT-64QAM	M	Inner_1RB_Left	19.8	19.12	23.00	PASS
N48	30	40	DFT-64QAM	M	Inner_1RB_Right	19.22	18.54	23.00	PASS
N48	30	40	DFT-64QAM	M	Outer_Full	19.46	18.78	23.00	PASS
N48	30	40	DFT-256QAM	M	Inner_1RB_Left	17.54	16.86	23.00	PASS
N48	30	40	DFT-256QAM	M	Inner_1RB_Right	17.01	16.33	23.00	PASS
N48	30	40	DFT-256QAM	M	Outer_Full	17.44	16.76	23.00	PASS
N48	30	40	DFT-PI2BPSK	H	Inner_1RB_Left	22.05	21.37	23.00	PASS
N48	30	40	DFT-PI2BPSK	H	Inner_1RB_Right	21.57	20.89	23.00	PASS
N48	30	40	DFT-PI2BPSK	H	Outer_Full	21.55	20.87	23.00	PASS
N48	30	40	DFT-QPSK	H	Inner_1RB_Left	22.01	21.33	23.00	PASS
N48	30	40	DFT-QPSK	H	Inner_1RB_Right	21.65	20.97	23.00	PASS
N48	30	40	DFT-QPSK	H	Outer_Full	20.91	20.23	23.00	PASS
N48	30	40	DFT-16QAM	H	Inner_1RB_Left	21.1	20.42	23.00	PASS
N48	30	40	DFT-16QAM	H	Inner_1RB_Right	20.62	19.94	23.00	PASS
N48	30	40	DFT-16QAM	H	Outer_Full	19.96	19.28	23.00	PASS
N48	30	40	DFT-64QAM	H	Inner_1RB_Left	19.77	19.09	23.00	PASS
N48	30	40	DFT-64QAM	H	Inner_1RB_Right	19.13	18.45	23.00	PASS
N48	30	40	DFT-64QAM	H	Outer_Full	19.53	18.85	23.00	PASS
N48	30	40	DFT-256QAM	H	Inner_1RB_Left	17.52	16.84	23.00	PASS
N48	30	40	DFT-256QAM	H	Inner_1RB_Right	16.99	16.31	23.00	PASS
N48	30	40	DFT-256QAM	H	Outer_Full	17.39	16.71	23.00	PASS



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Peak-to-Average Ratio for SA

Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result	Limit	Verdict
N48	30	40	DFT-256QAM	L	Outer_Full	6.58	13	PASS
N48	30	40	CP-256QAM	L	Outer_Full	6.60	13	PASS
N48	30	40	DFT-256QAM	M	Outer_Full	6.59	13	PASS
N48	30	40	CP-256QAM	M	Outer_Full	7.86	13	PASS
N48	30	40	DFT-256QAM	H	Outer_Full	6.60	13	PASS
N48	30	40	CP-256QAM	H	Outer_Full	6.62	13	PASS



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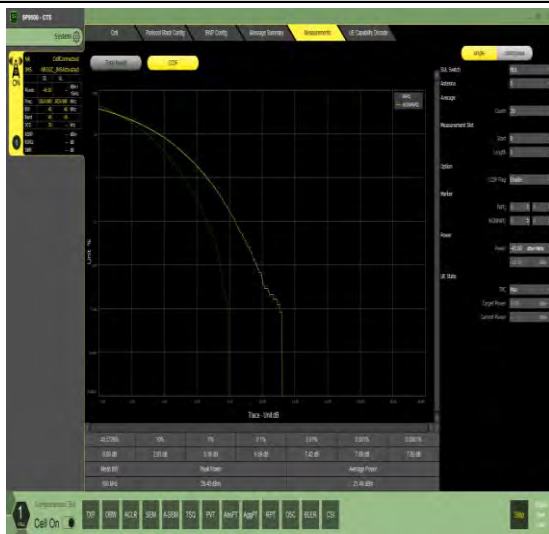
Test Graphs



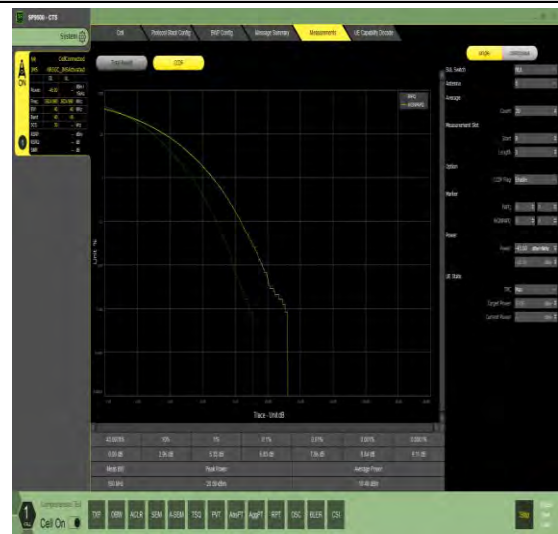
1-N48-30-40-L-12-DFT-256QAM-Outer_Full-100@0



1-N48-30-40-L-15-CP-256QAM-Outer_Full-100@0



1-N48-30-40-M-12-DFT-256QAM-Outer_Full-100@0



1-N48-30-40-M-15-CP-256QAM-Outer_Full-100@0



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1-N48-30-40-H-12-DFT-256QAM-Outer Full-100@0



1-N48-30-40-H-15-CP-256QAM-Outer Full-100@0



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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
N48	30	10	DFT-QPSK	M	Outer_Full	8.575	9.300	PASS
N48	30	10	DFT-PI2BPSK	M	Outer_Full	8.607	9.320	PASS
N48	30	10	DFT-16QAM	M	Outer_Full	8.582	9.300	PASS
N48	30	10	DFT-64QAM	M	Outer_Full	8.6	9.240	PASS
N48	30	10	DFT-256QAM	M	Outer_Full	8.566	9.220	PASS
N48	30	10	CP-QPSK	M	Outer_Full	8.581	9.420	PASS
N48	30	10	CP-16QAM	M	Outer_Full	8.565	9.280	PASS
N48	30	10	CP-64QAM	M	Outer_Full	8.589	9.280	PASS
N48	30	10	CP-256QAM	M	Outer_Full	8.582	9.320	PASS
N48	30	15	DFT-QPSK	M	Outer_Full	12.942	14.010	PASS
N48	30	15	DFT-PI2BPSK	M	Outer_Full	12.934	13.950	PASS
N48	30	15	DFT-16QAM	M	Outer_Full	12.928	13.980	PASS
N48	30	15	DFT-64QAM	M	Outer_Full	12.976	14.040	PASS
N48	30	15	DFT-256QAM	M	Outer_Full	12.875	13.950	PASS
N48	30	15	CP-QPSK	M	Outer_Full	13.597	14.760	PASS
N48	30	15	CP-16QAM	M	Outer_Full	13.615	14.730	PASS
N48	30	15	CP-64QAM	M	Outer_Full	13.683	14.700	PASS
N48	30	15	CP-256QAM	M	Outer_Full	13.664	14.730	PASS
N48	30	20	DFT-QPSK	M	Outer_Full	17.91	19.040	PASS
N48	30	20	DFT-PI2BPSK	M	Outer_Full	17.94	19.000	PASS
N48	30	20	DFT-16QAM	M	Outer_Full	17.92	19.040	PASS
N48	30	20	DFT-64QAM	M	Outer_Full	17.904	19.000	PASS
N48	30	20	DFT-256QAM	M	Outer_Full	17.839	19.000	PASS
N48	30	20	CP-QPSK	M	Outer_Full	18.183	19.400	PASS
N48	30	20	CP-16QAM	M	Outer_Full	18.23	19.360	PASS
N48	30	20	CP-64QAM	M	Outer_Full	18.208	19.360	PASS
N48	30	20	CP-256QAM	M	Outer_Full	18.224	19.400	PASS
N48	30	40	DFT-QPSK	M	Outer_Full	35.984	38.560	PASS
N48	30	40	DFT-PI2BPSK	M	Outer_Full	36.051	38.400	PASS
N48	30	40	DFT-16QAM	M	Outer_Full	35.951	38.560	PASS



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N48	30	40	DFT-64QAM	M	Outer_Full	35.994	38.720	PASS
N48	30	40	DFT-256QAM	M	Outer_Full	35.877	38.480	PASS
N48	30	40	CP-QPSK	M	Outer_Full	38.024	40.640	PASS
N48	30	40	CP-16QAM	M	Outer_Full	37.999	40.640	PASS
N48	30	40	CP-64QAM	M	Outer_Full	38.03	40.560	PASS
N48	30	40	CP-256QAM	M	Outer_Full	37.986	40.800	PASS



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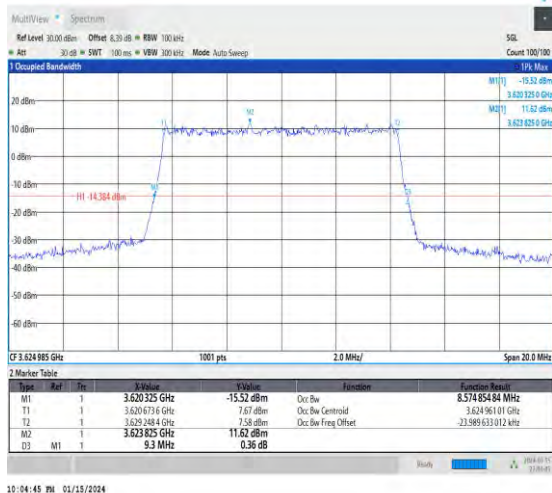
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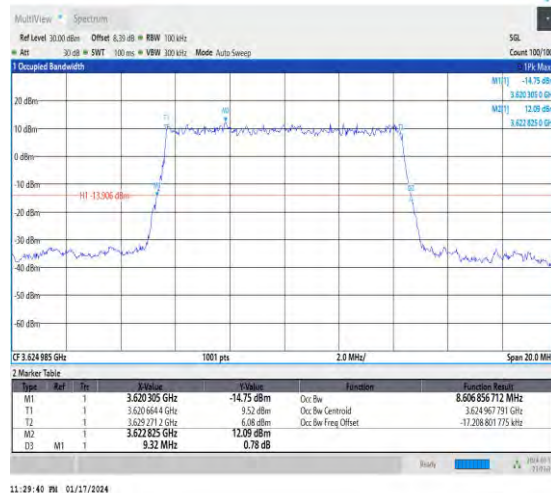
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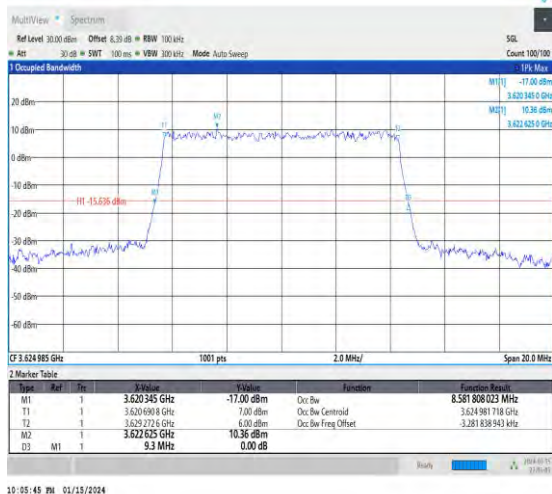
Test Graphs



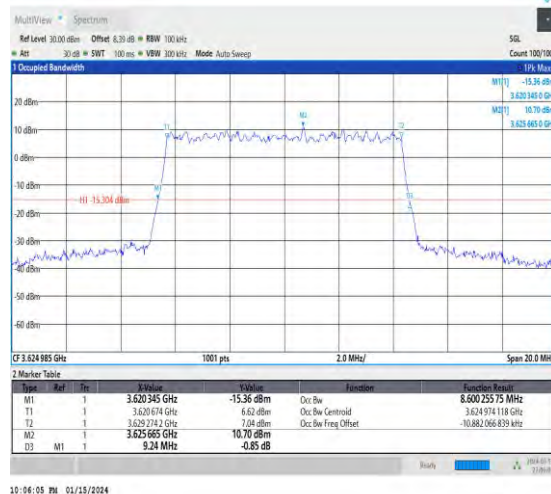
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-8.575-9.300-≤10-PASS



1-N48-30-10-M-2-DFT-PI2BPSK-Outer_Full-24@0-Ant4
-8.607-9.320-≤10-PASS



1-N48-30-10-M-3-DFT-16QAM-Outer_Full-24@0-Ant
4-8.582-9.300-≤10-PASS



1-N48-30-10-M-4-DFT-64QAM-Outer_Full-24@0-Ant
4-8.6-9.240-≤10-PASS



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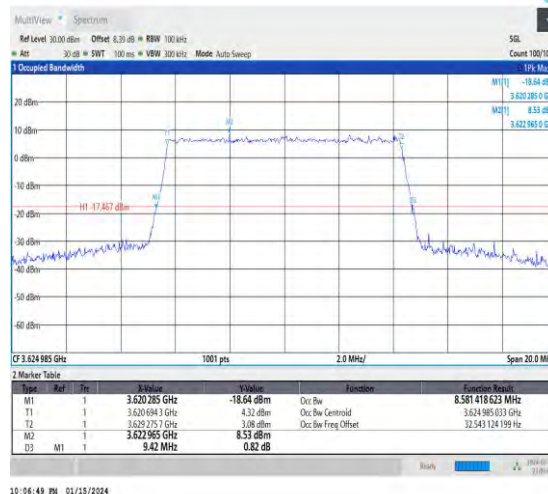
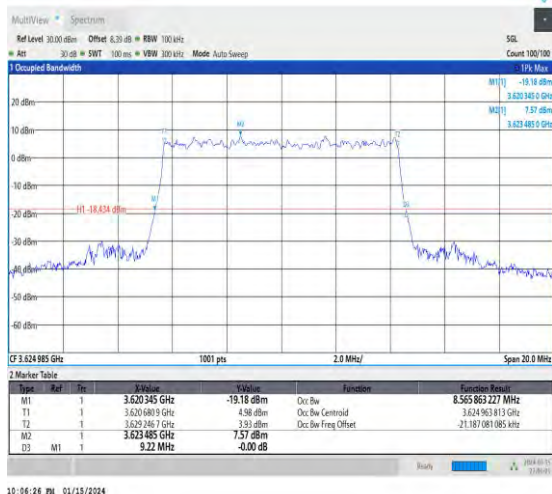
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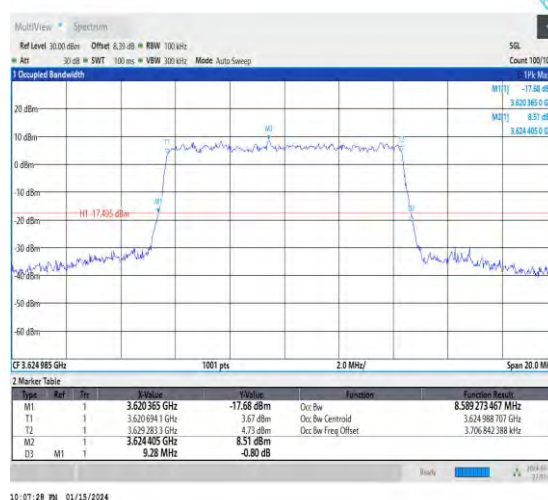
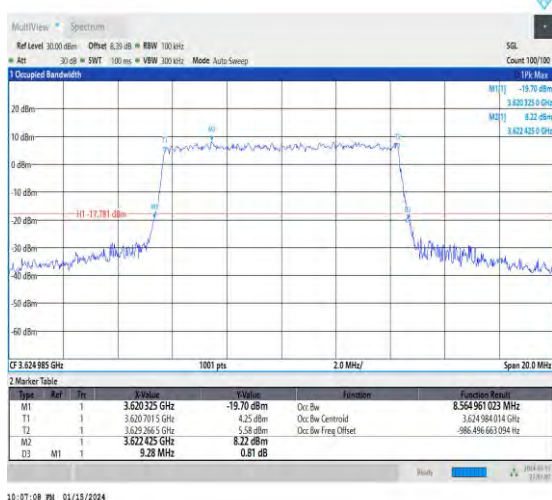
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1-N48-30-10-M-5-DFT-256QAM-Outer_Full-24@0-A
nt4-8.566-9.220≤10-PASS

1-N48-30-10-M-6-CP-QPSK-Outer_Full-24@0-Ant4-
8.581-9.420≤10-PASS



1-N48-30-10-M-7-CP-16QAM-Outer_Full-24@0-Ant4
-8.565-9.280≤10-PASS

1-N48-30-10-M-8-CP-64QAM-Outer_Full-24@0-Ant
4-8.589-9.280≤10-PASS



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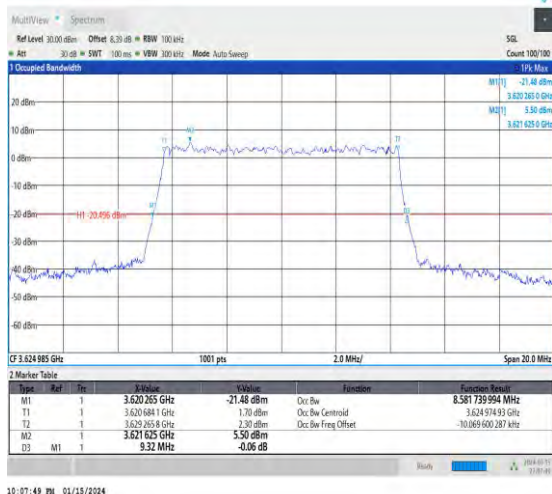
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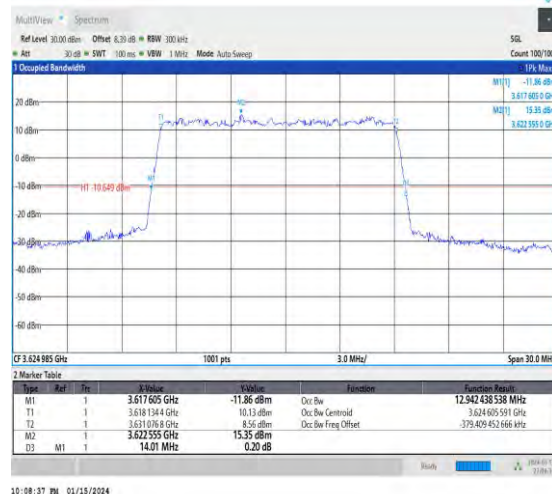
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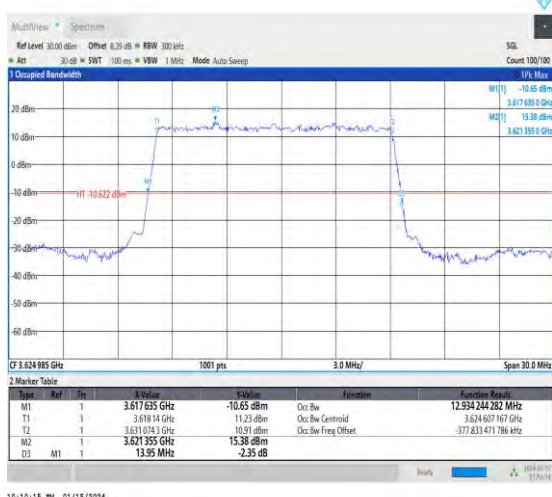
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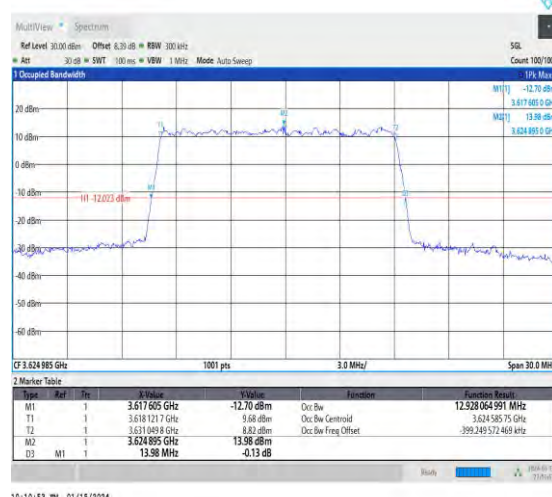
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4-8.582-9.320-≤10-PASS



1-N48-30-15-M-1-DFT-QPSK-Outer_Full-36@0-Ant4
-12.942-14.010-≤15-PASS



1-N48-30-15-M-2-DFT-PI2BPSK-Outer_Full-36@0-A
nt4-12.934-13.950-≤15-PASS



1-N48-30-15-M-3-DFT-16QAM-Outer_Full-36@0-Ant
4-12.928-13.980-≤15-PASS



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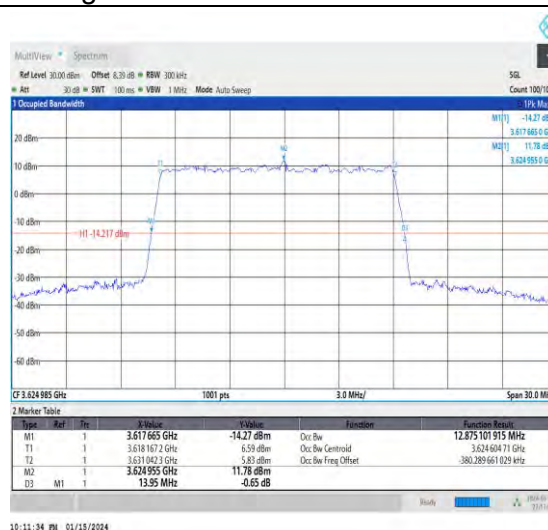
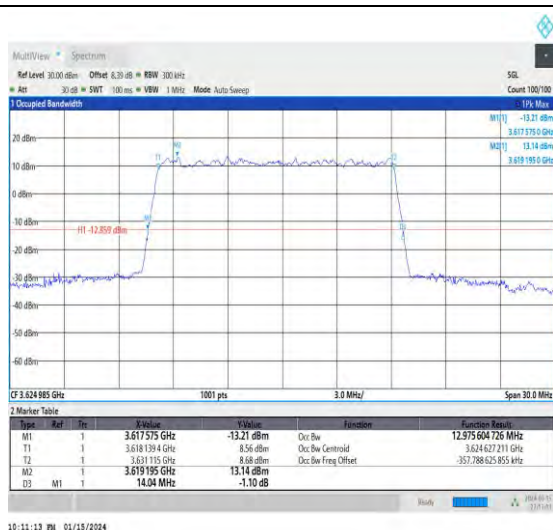
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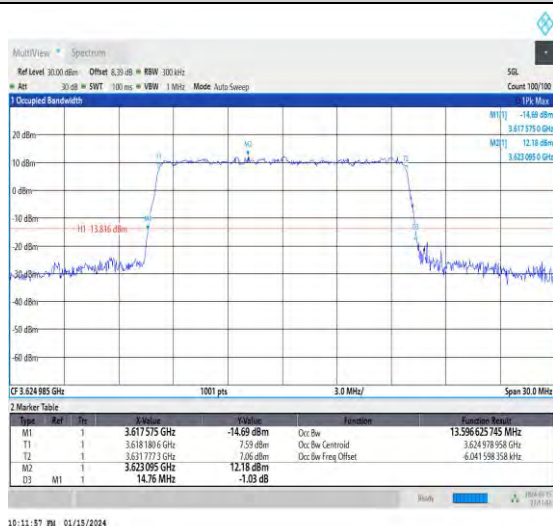
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1-N48-30-15-M-4-DFT-64QAM-Outer_Full-36@0-Ant
4-12.976-14.040≤15-PASS

1-N48-30-15-M-5-DFT-256QAM-Outer_Full-36@0-Ant
4-12.875-13.950≤15-PASS



1-N48-30-15-M-6-CP-QPSK-Outer_Full-38@0-Ant4-
4-13.597-14.760≤15-PASS

1-N48-30-15-M-7-CP-16QAM-Outer_Full-38@0-Ant
4-13.615-14.730≤15-PASS



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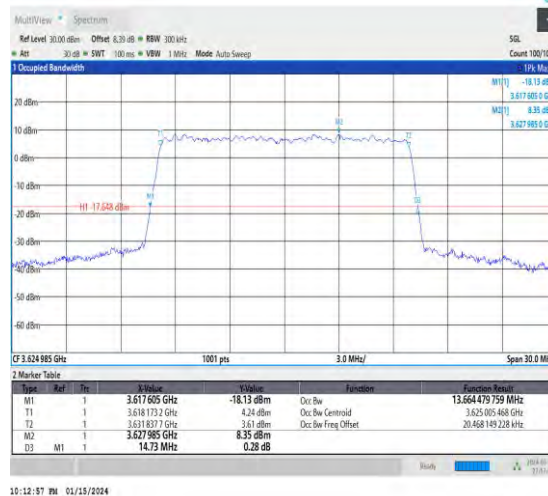
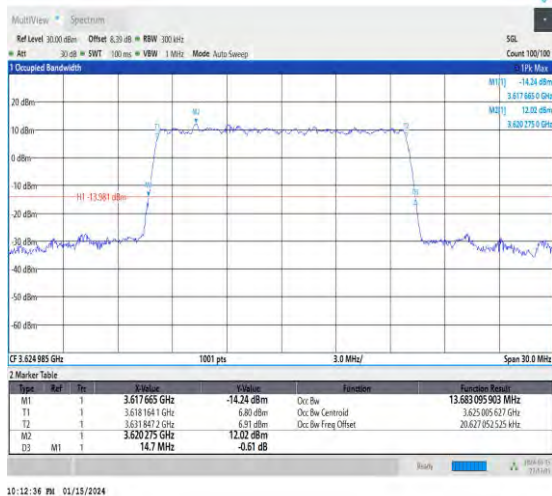
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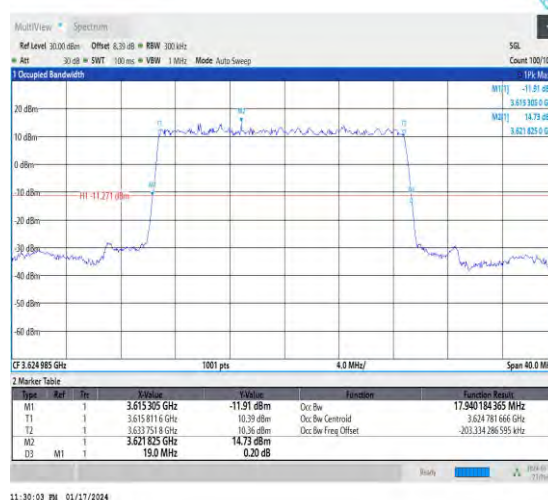
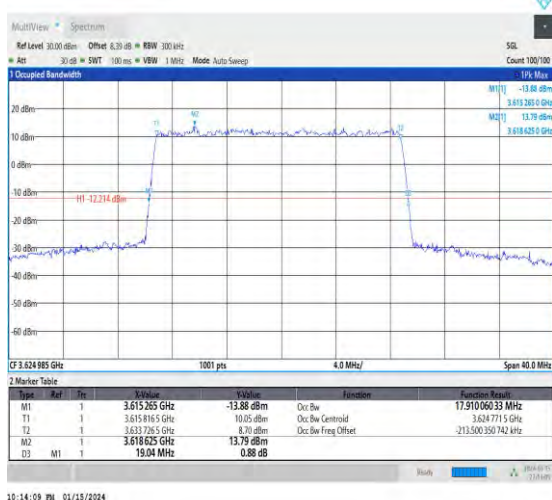
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-13.683-14.700-≤15-PASS

1-N48-30-15-M-9-CP-256QAM-Outer_Full-38@0-Ant4
-13.664-14.730-≤15-PASS



1-N48-30-20-M-1-DFT-QPSK-Outer_Full-50@0-Ant4
-17.91-19.040-≤20-PASS

1-N48-30-20-M-2-DFT-PI2BPSK-Outer_Full-50@0-Ant4
-17.94-19.000-≤20-PASS



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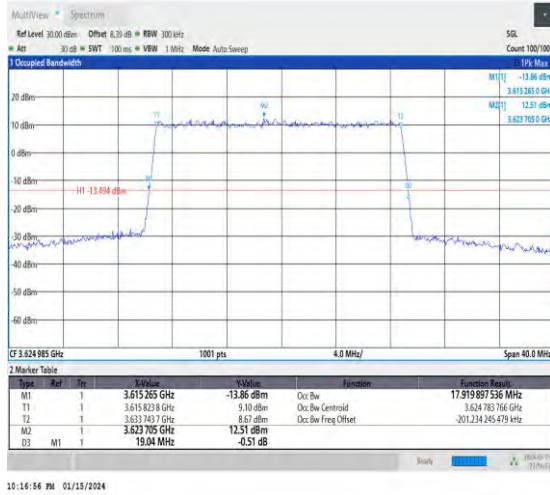
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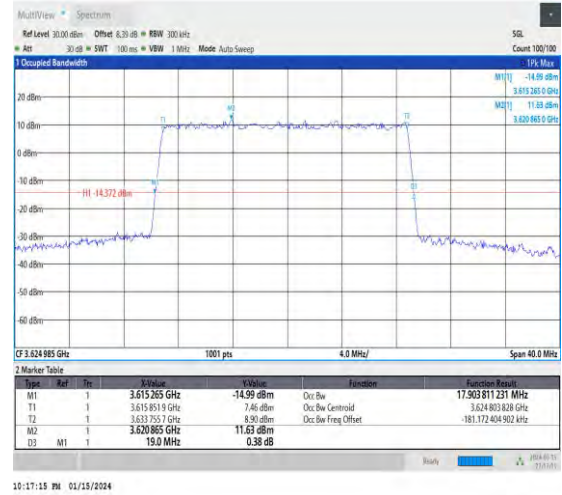
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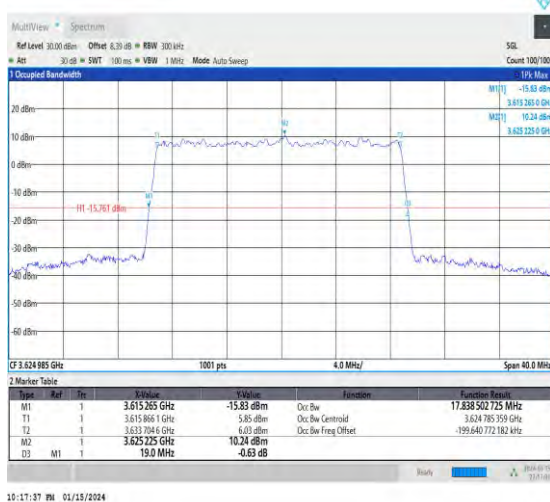
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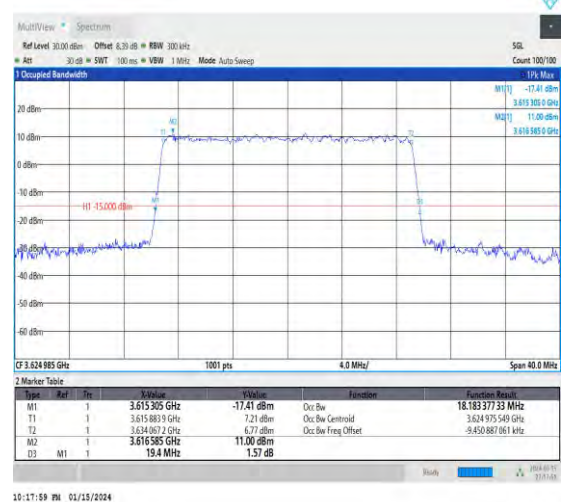
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4-17.904-19.000-≤20-PASS

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nt4-17.839-19.000-≤20-PASS

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1-N48-30-20-M-6-CP-QPSK-Outer_Full-51@0-Ant4-
18.183-19.400-≤20-PASS

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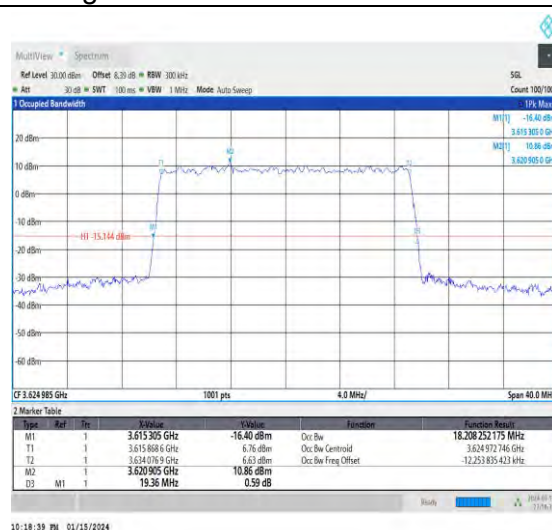
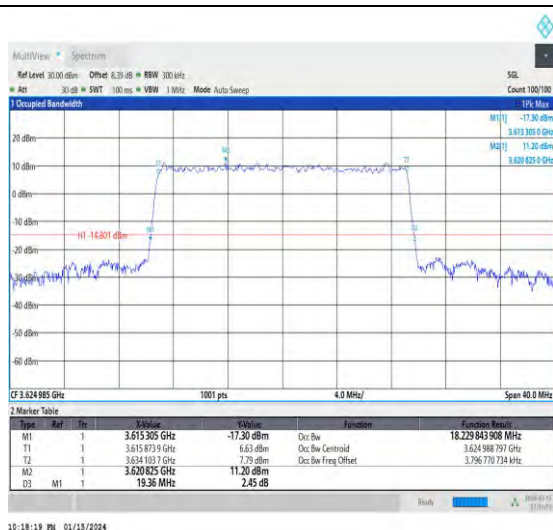
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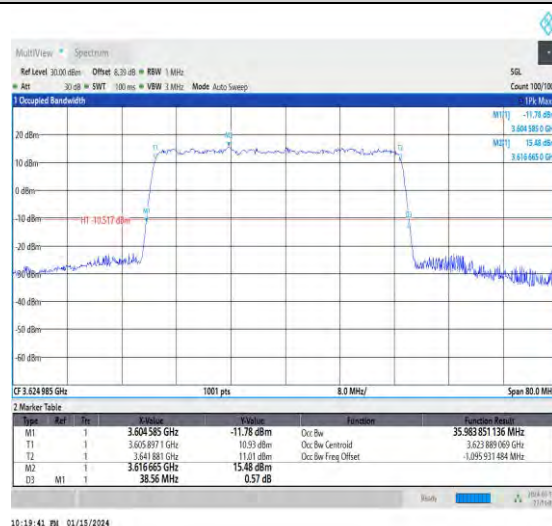
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1-N48-30-20-M-7-CP-16QAM-Outer_Full-51@0-Ant4
-18.23-19.360-≤20-PASS

1-N48-30-20-M-8-CP-64QAM-Outer_Full-51@0-Ant
4-18.208-19.360-≤20-PASS



1-N48-30-20-M-9-CP-256QAM-Outer_Full-51@0-Ant
4-18.224-19.400-≤20-PASS

1-N48-30-40-M-1-DFT-QPSK-Outer_Full-100@0-Ant
4-35.984-38.560-≤40-PASS



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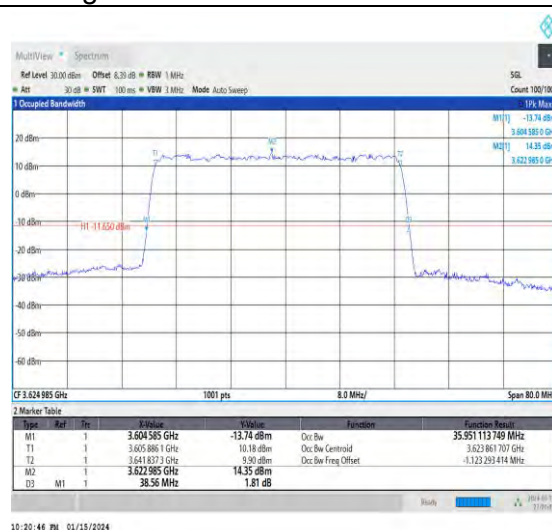
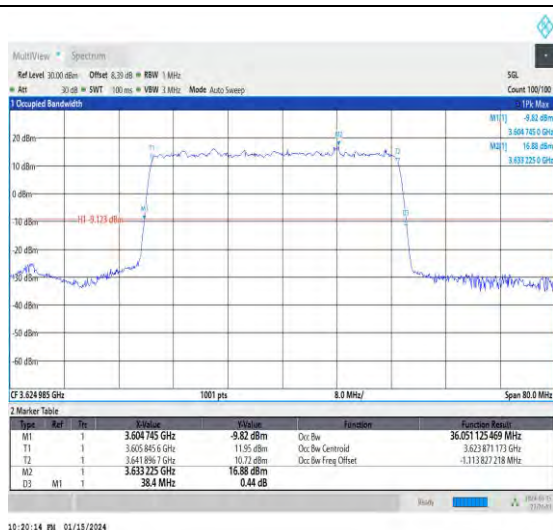
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1-N48-30-40-M-2-DFT-PI2BPSK-Outer_Full-100@0-A
Ant4-36.051-38.400-≤40-PASS

1-N48-30-40-M-3-DFT-16QAM-Outer_Full-100@0-A
nt4-35.951-38.560-≤40-PASS



1-N48-30-40-M-4-DFT-64QAM-Outer_Full-100@0-A
nt4-35.994-38.720-≤40-PASS

1-N48-30-40-M-5-DFT-256QAM-Outer_Full-100@0-A
Ant4-35.877-38.480-≤40-PASS



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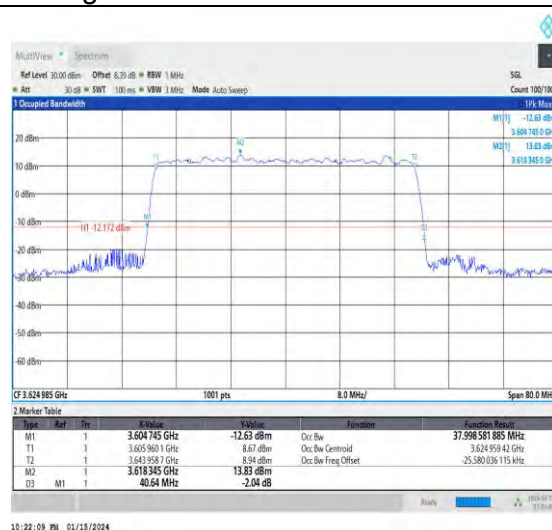
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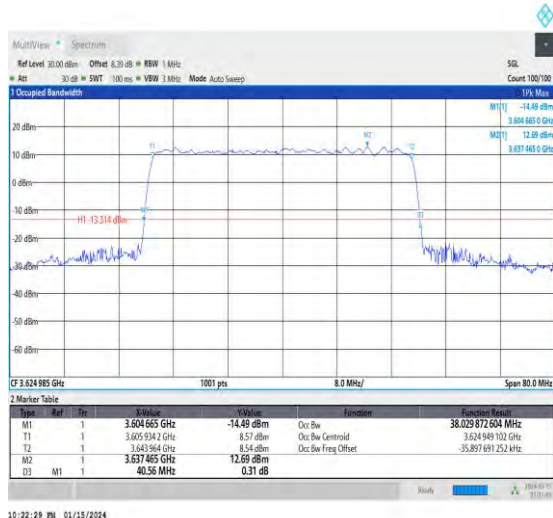
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-37.999-40.640-≤40-PASS



1-N48-30-40-M-8-CP-64QAM-Outer_Full-106@0-Ant4
-4-38.03-40.560-≤40-PASS

1-N48-30-40-M-9-CP-256QAM-Outer_Full-106@0-Ant4
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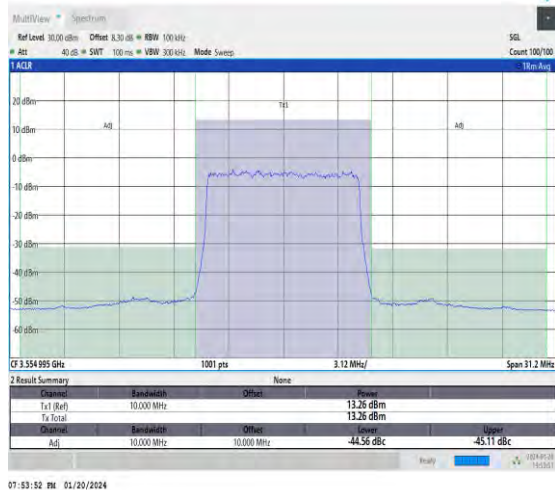
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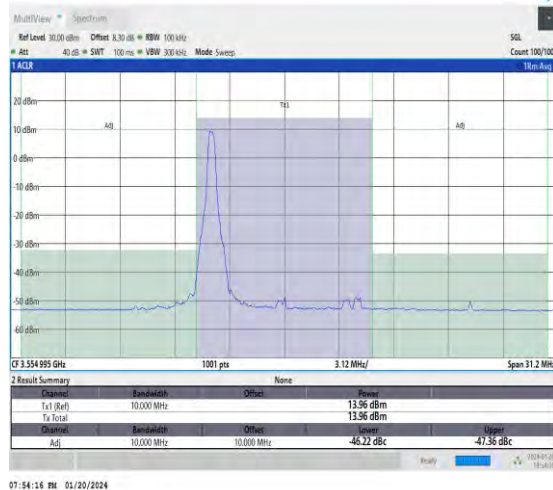
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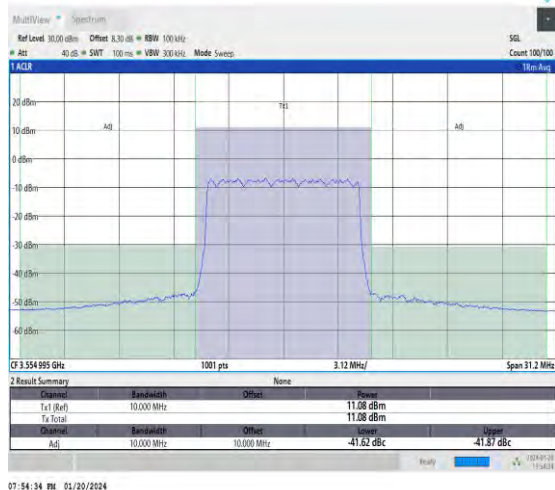
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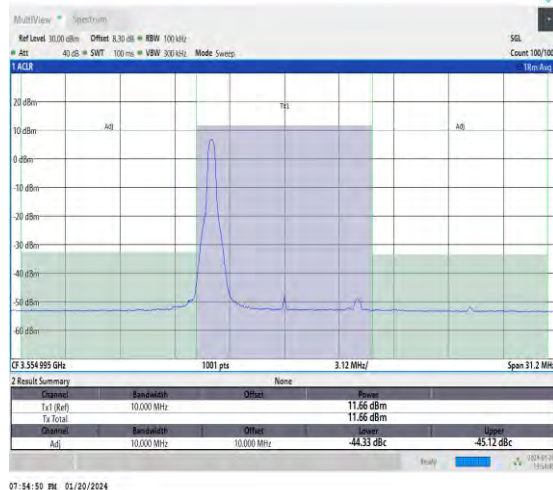
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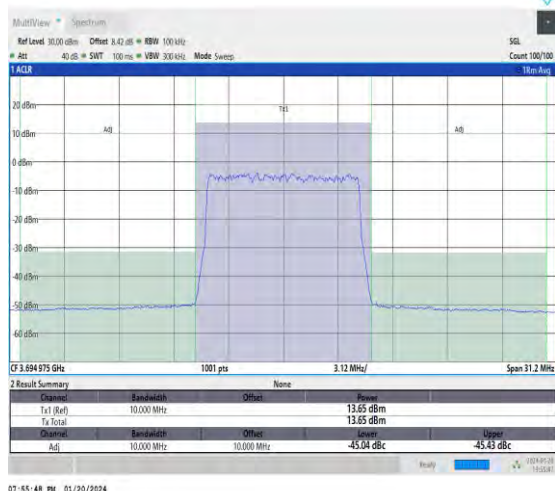
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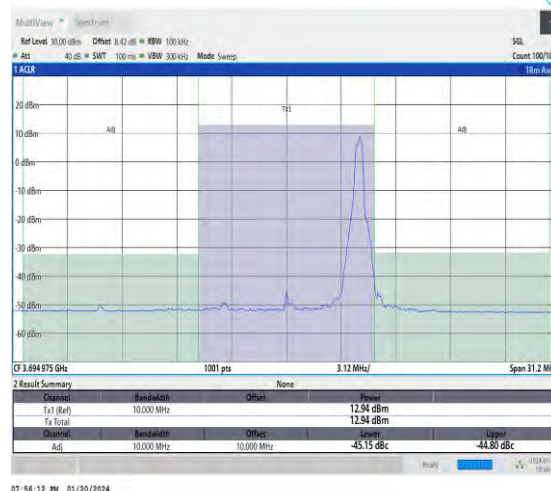
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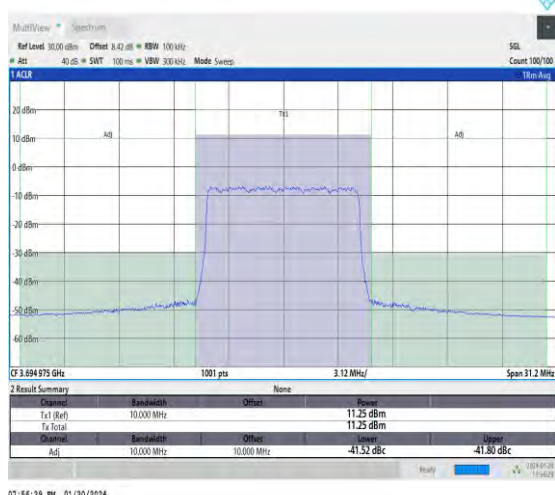
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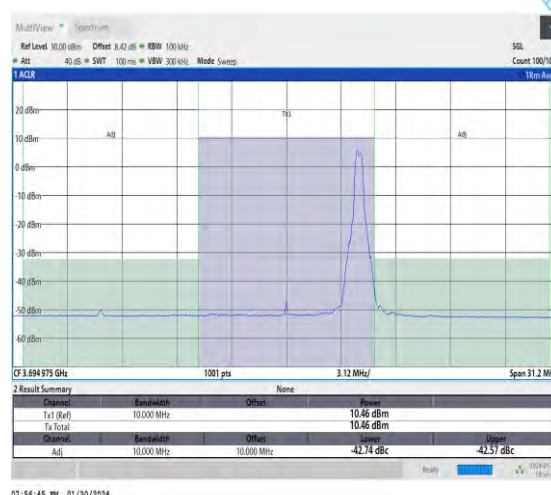
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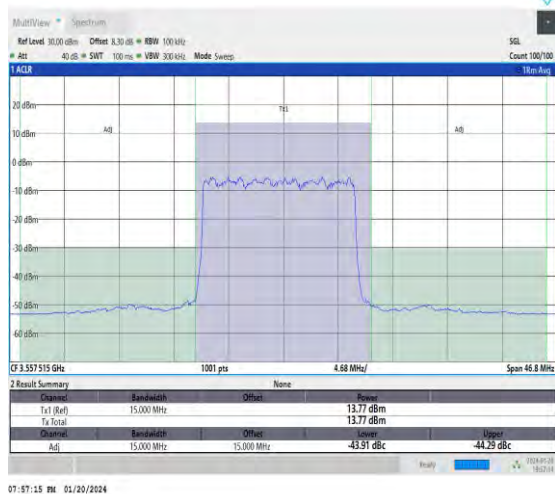
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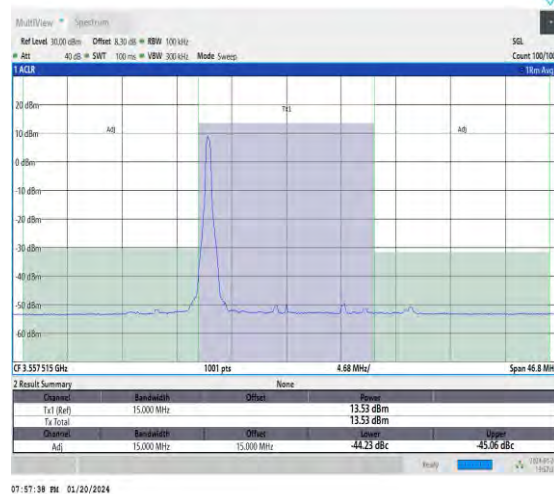
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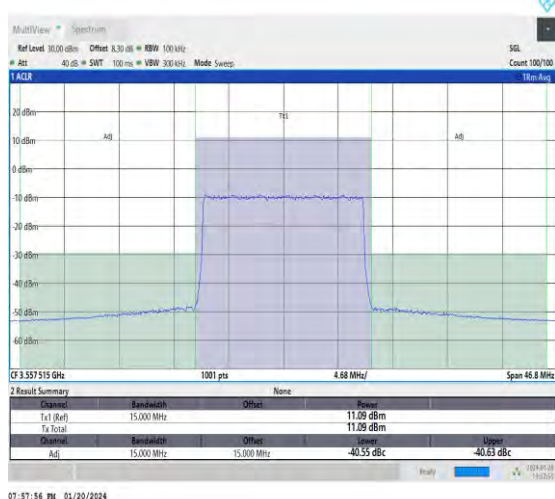
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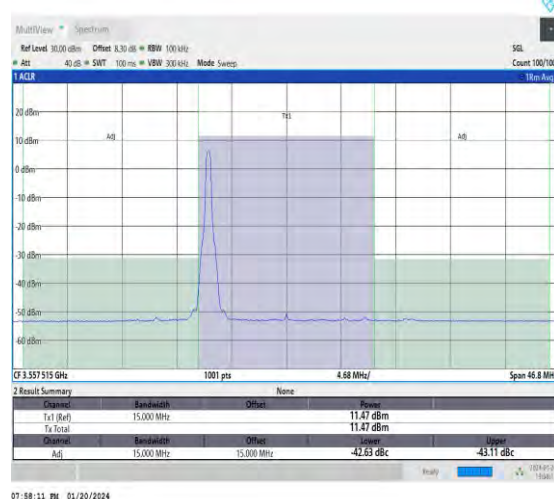
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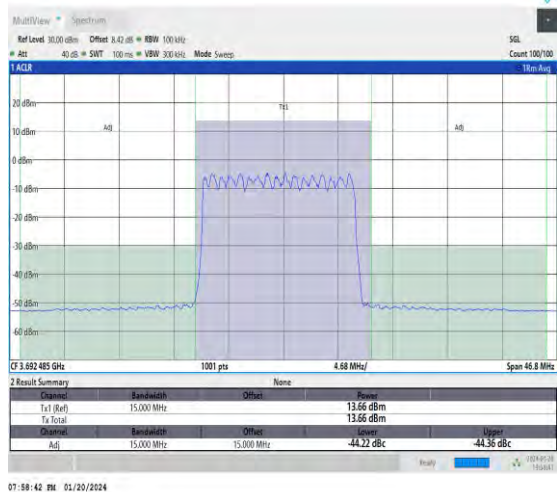
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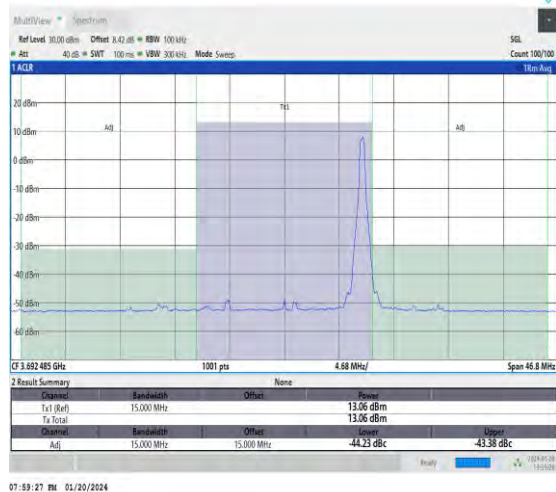
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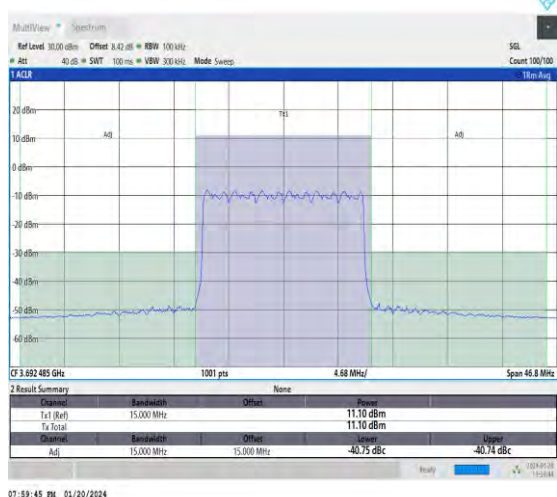
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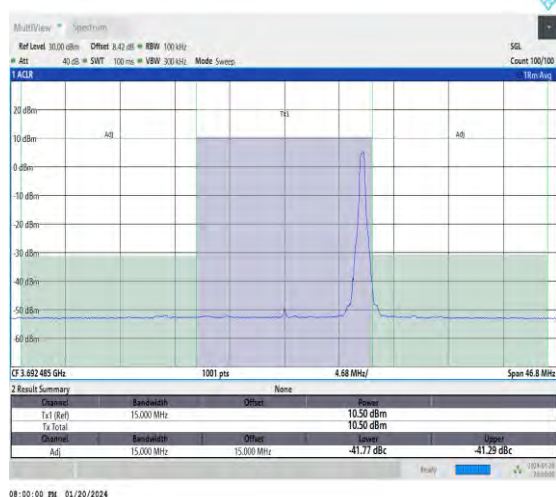
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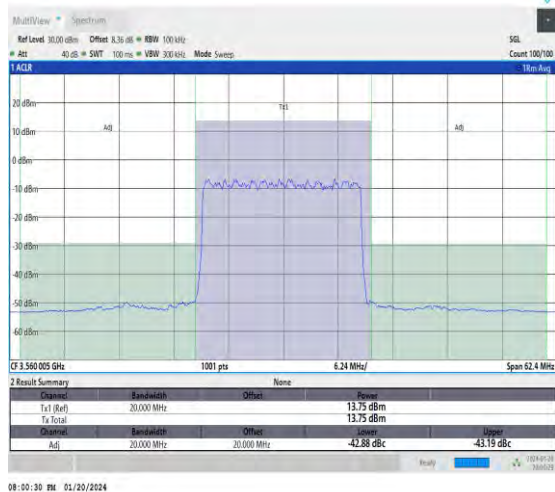
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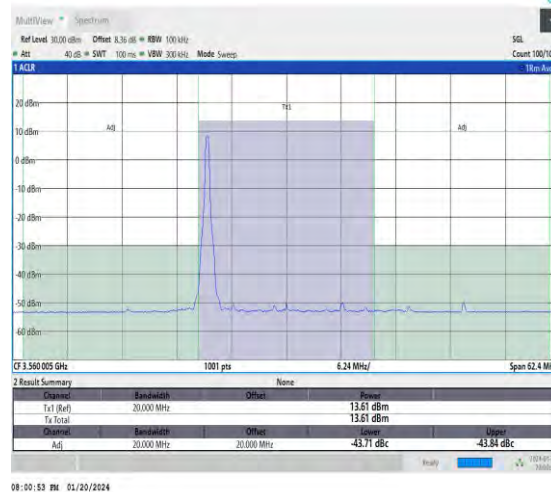
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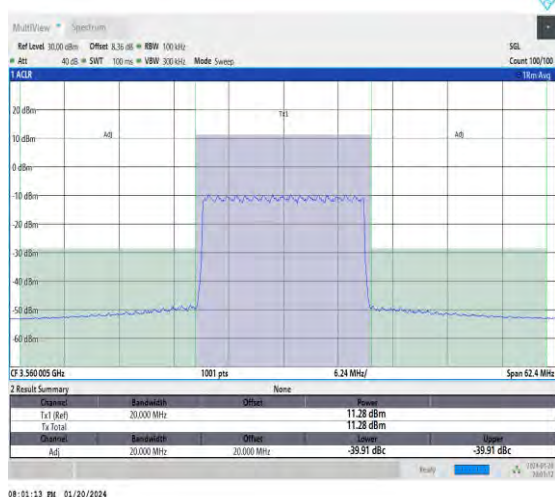
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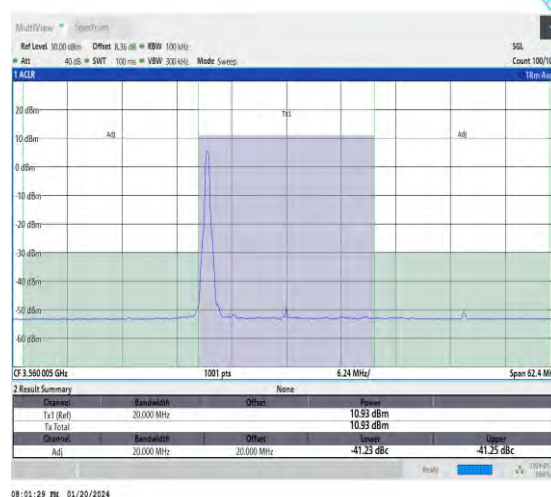
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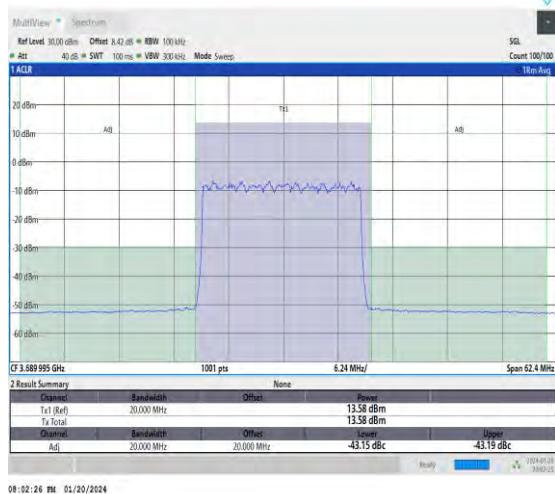
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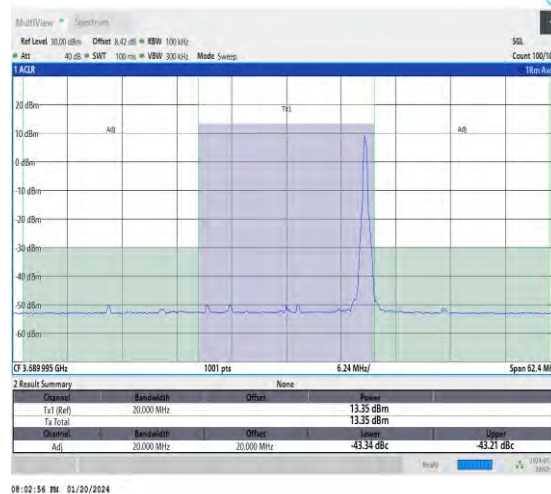
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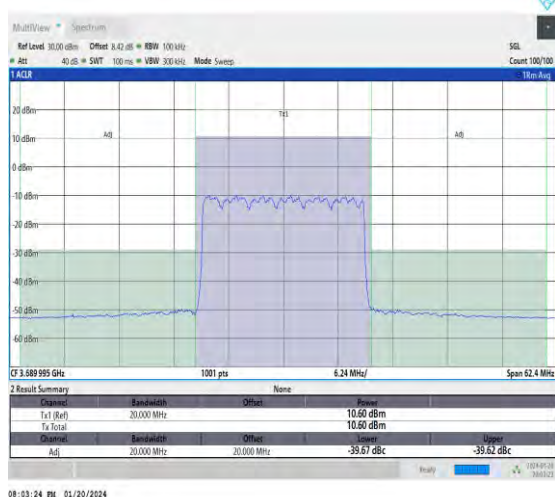
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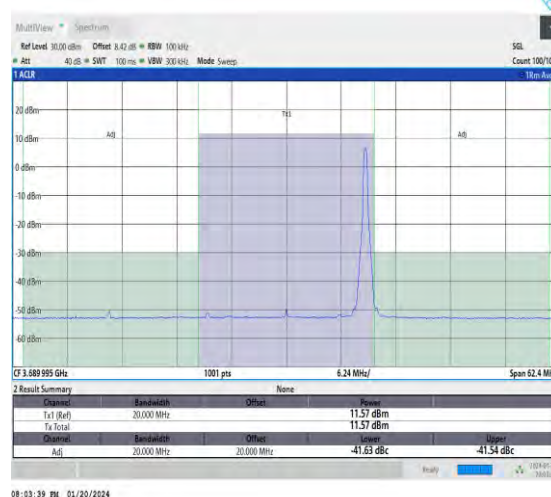
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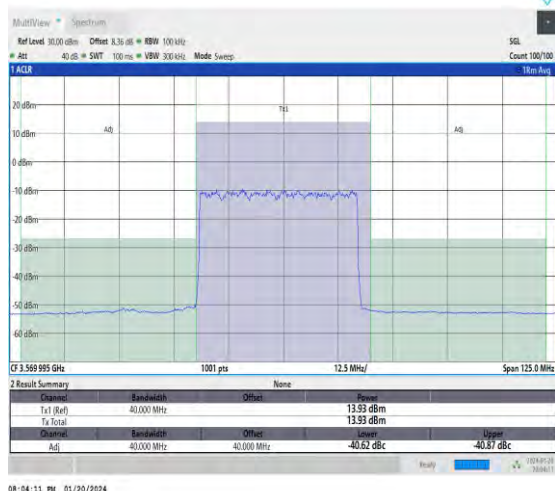
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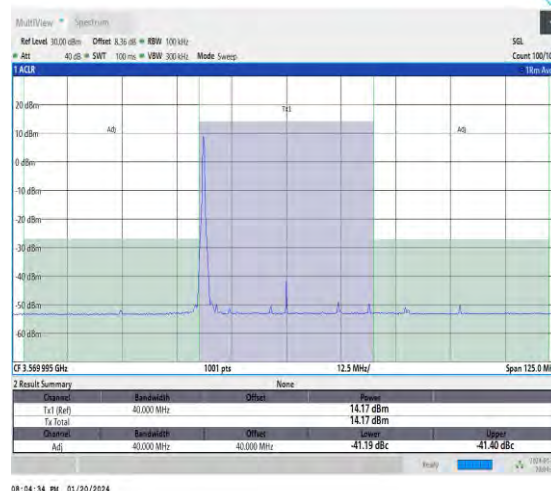
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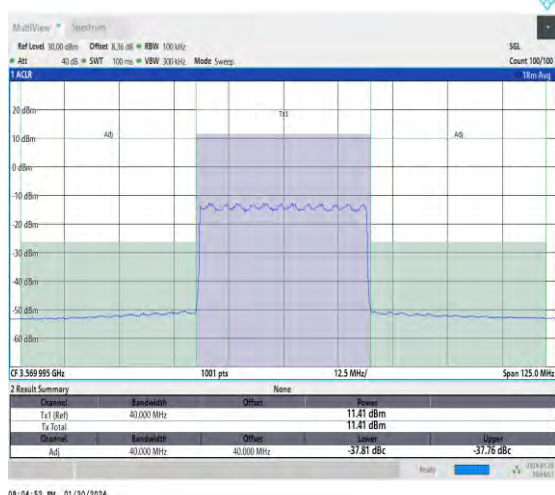
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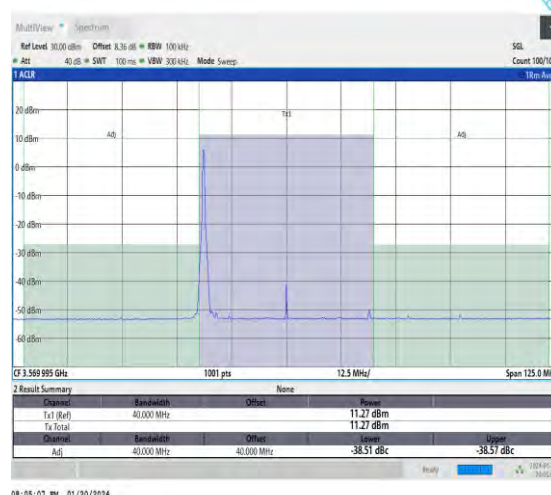
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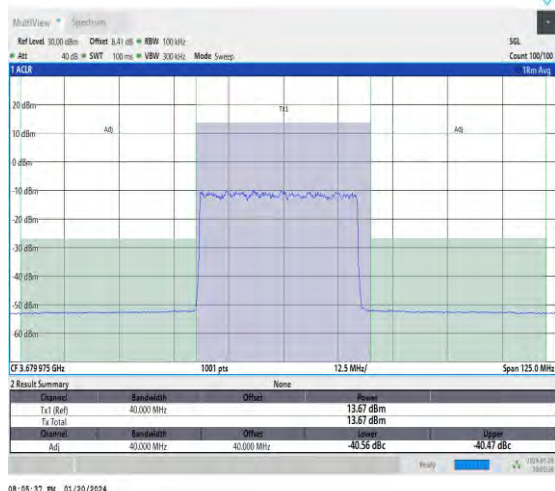
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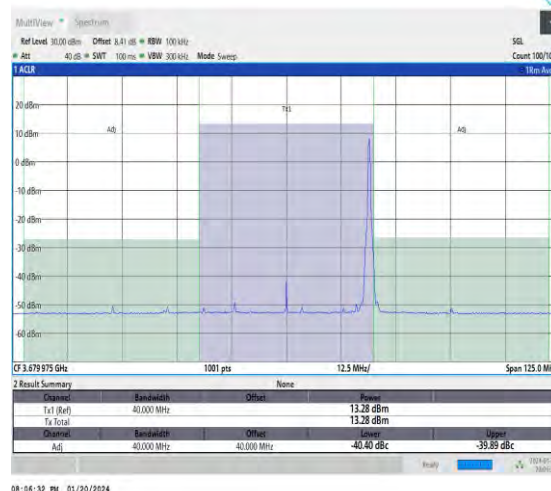
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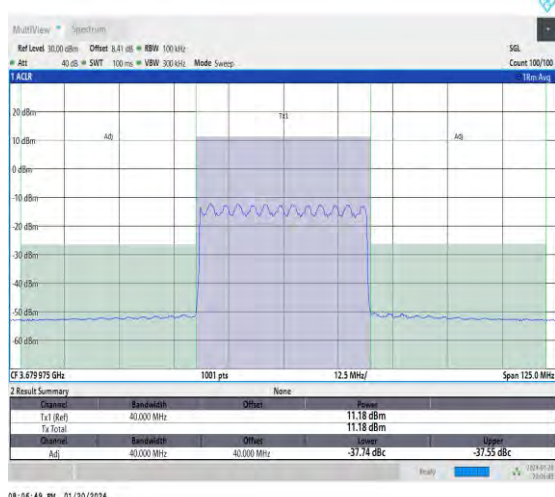
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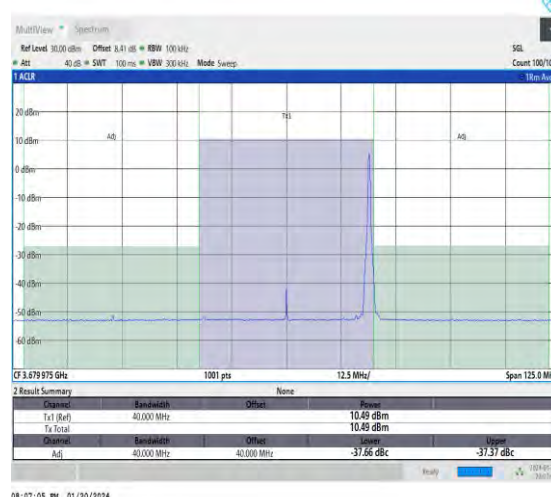
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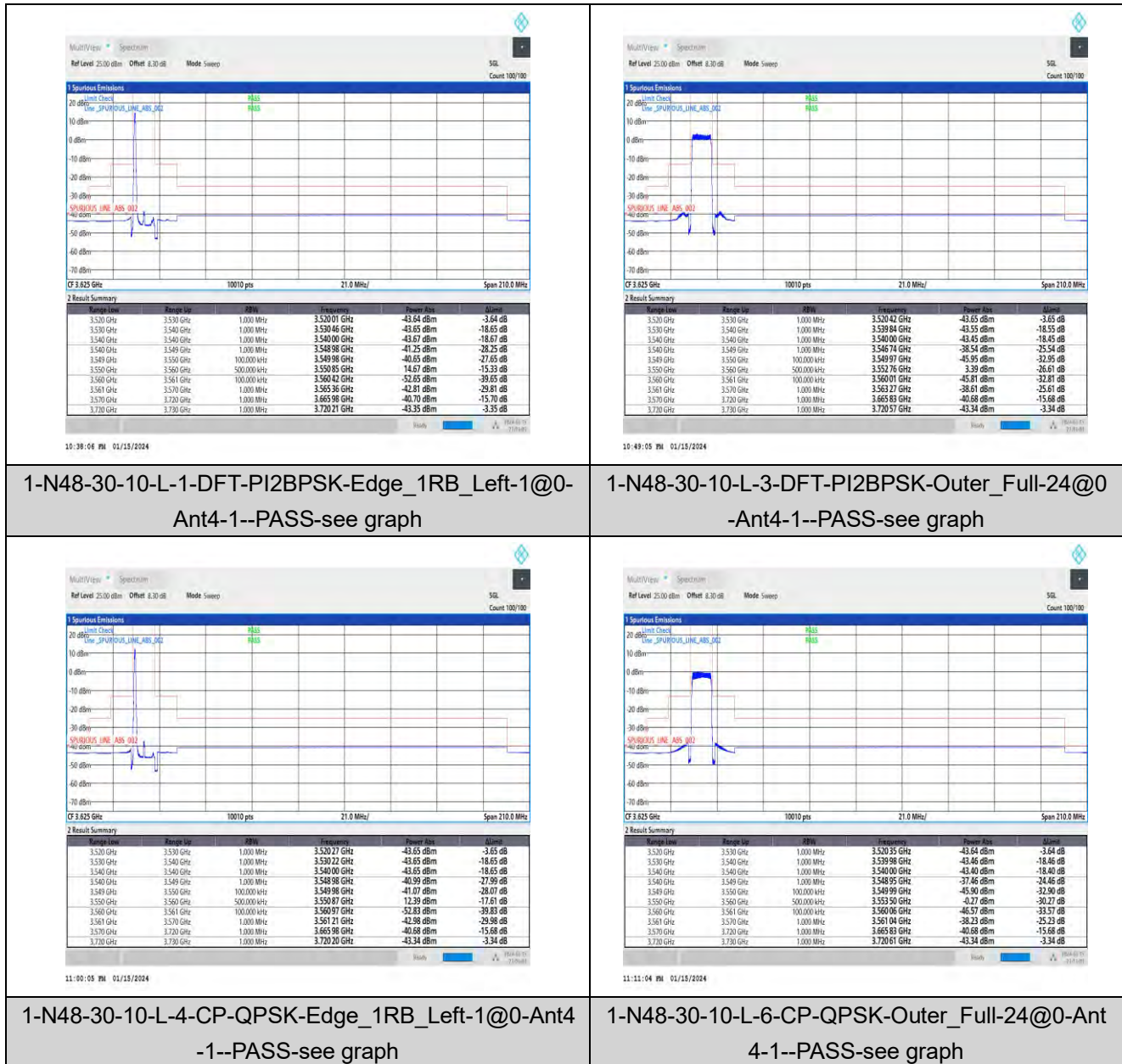
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Band Edge for SA

Test Graphs



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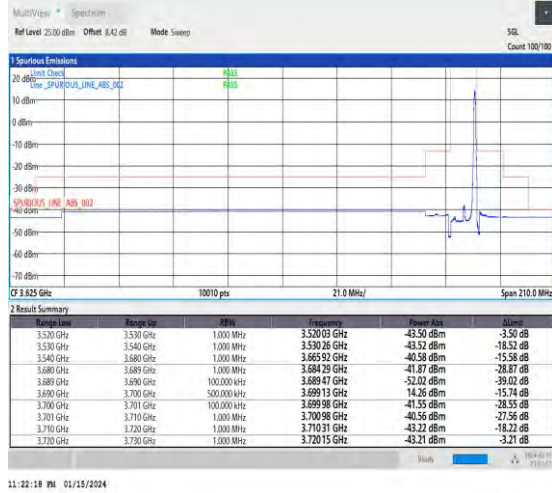
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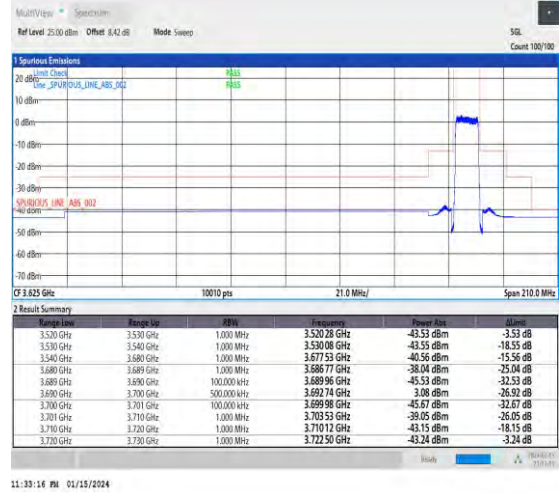
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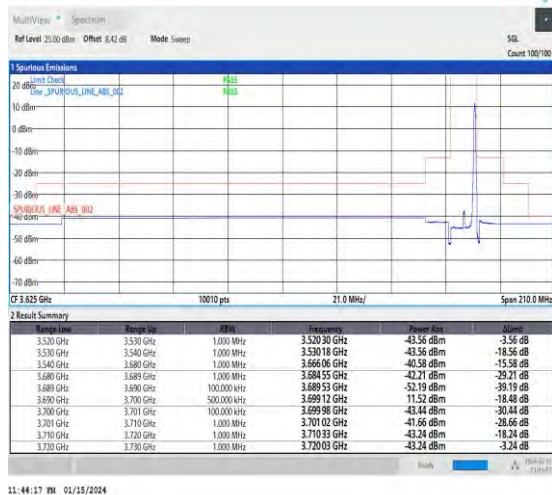
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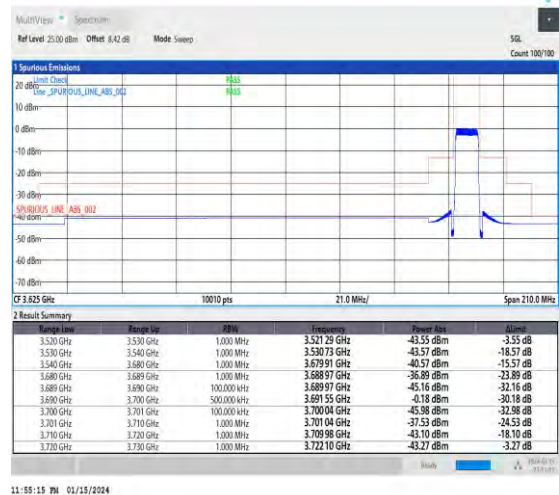
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1-N48-30-10-H-5-CP-QPSK-Edge_1RB_Right-1@23-Ant4-1--PASS-see graph



1-N48-30-10-H-6-CP-QPSK-Outer_Full-24@0-Ant4-1--PASS-see graph



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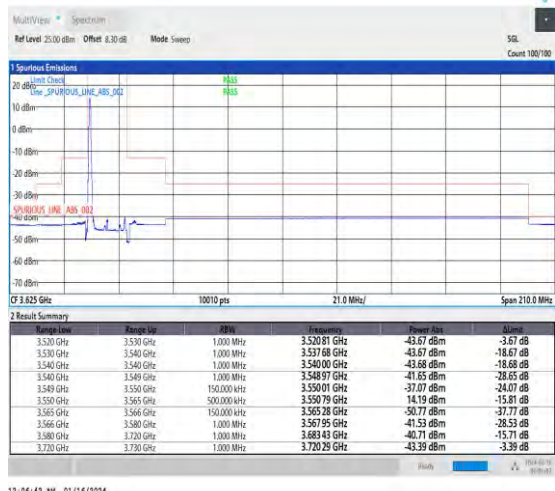
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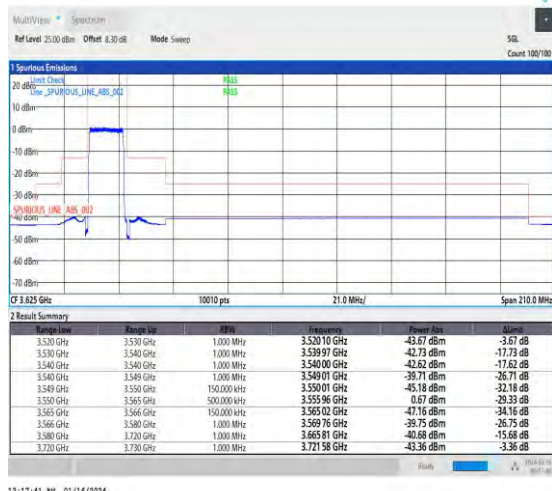
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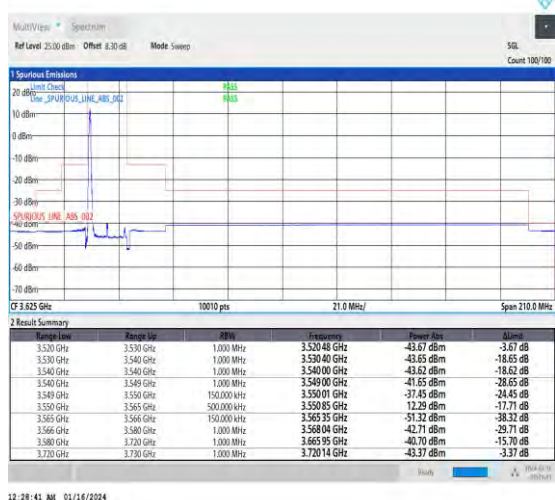
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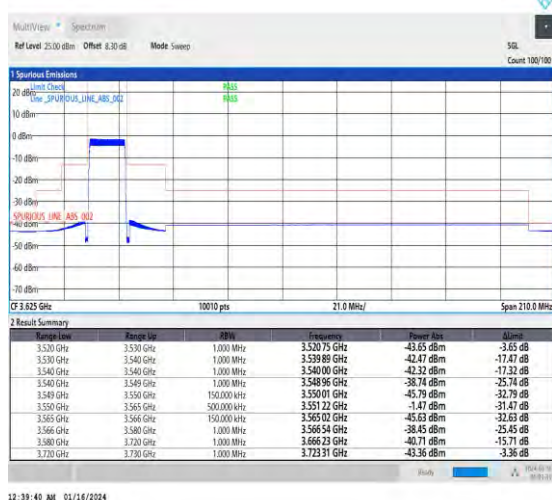
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12:39:49 AM 01/16/2024

1-N48-30-15-L-6-CP-QPSK-Outer_Full-38@0-Ant4-1--PASS-see graph



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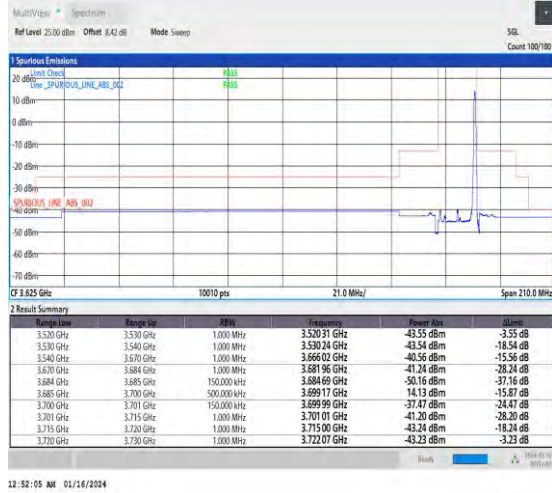
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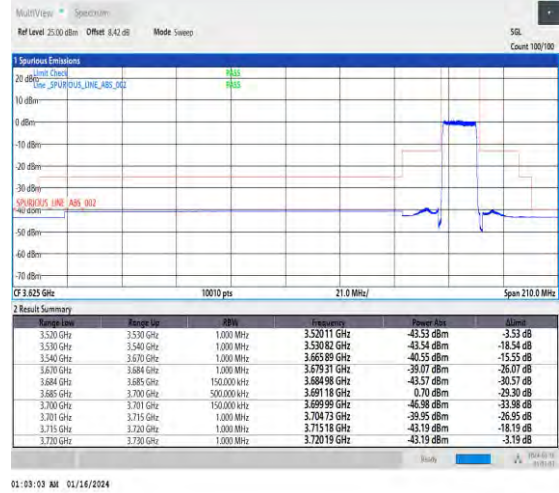
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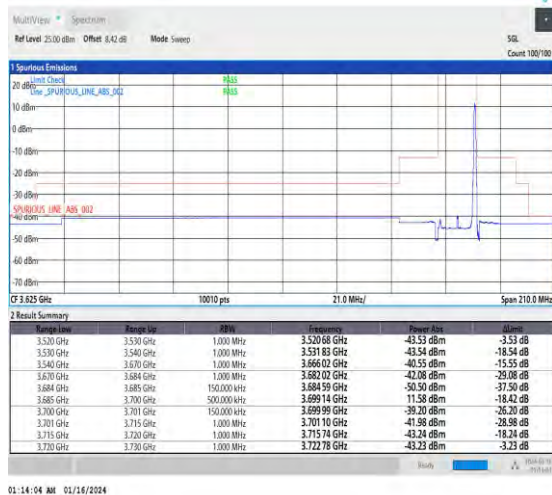
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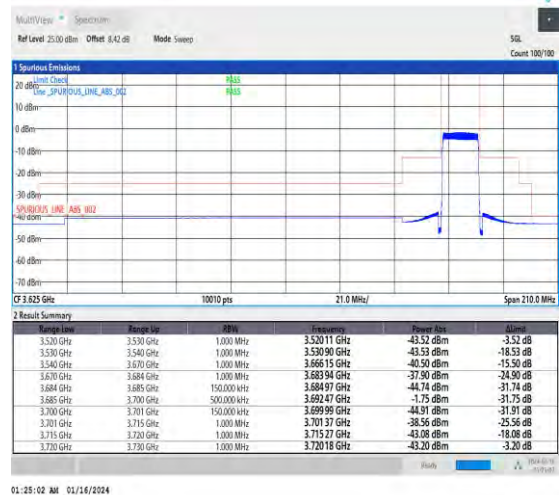
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01:25:02 AM 01/16/2024

1-N48-30-15-H-6-CP-QPSK-Outer_Full-38@0-Ant4-1--PASS-see graph



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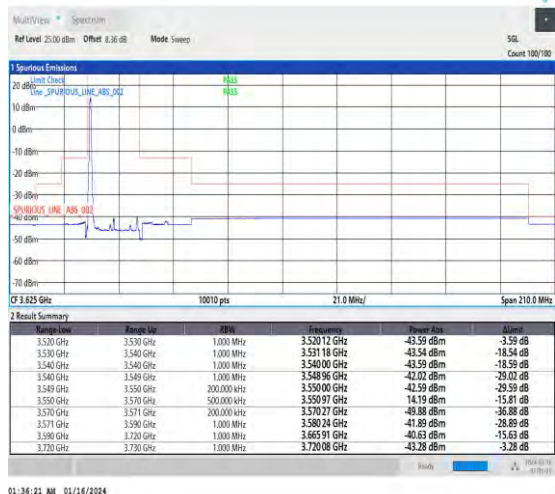
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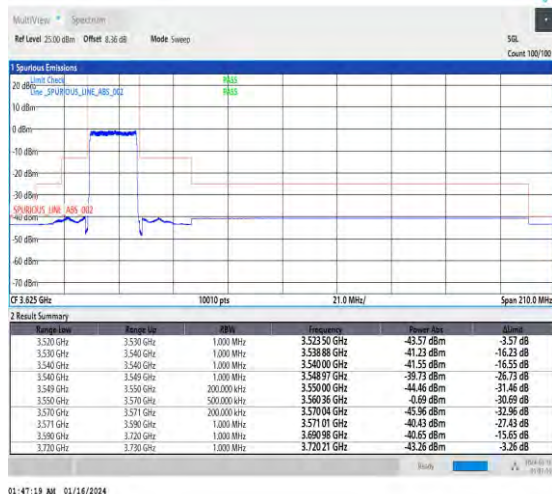
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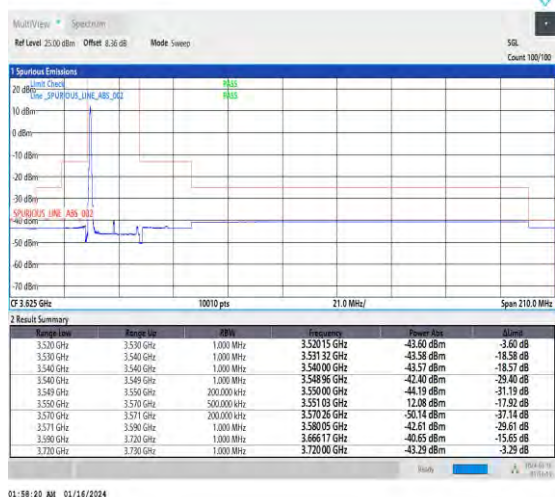
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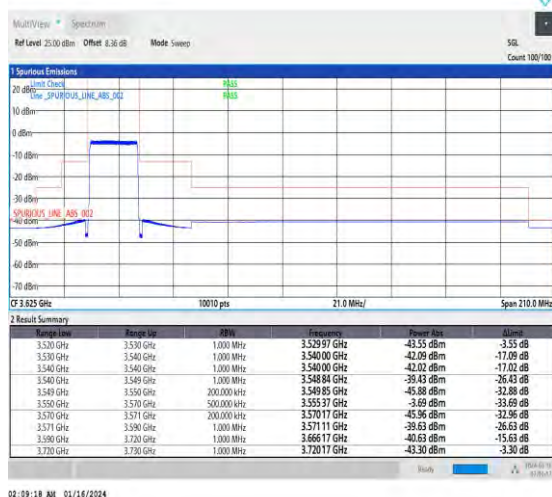
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02:09:18 AM 01/16/2024

1-N48-30-20-L-6-CP-QPSK-Outer_Full-51@0-Ant4-1--PASS-see graph



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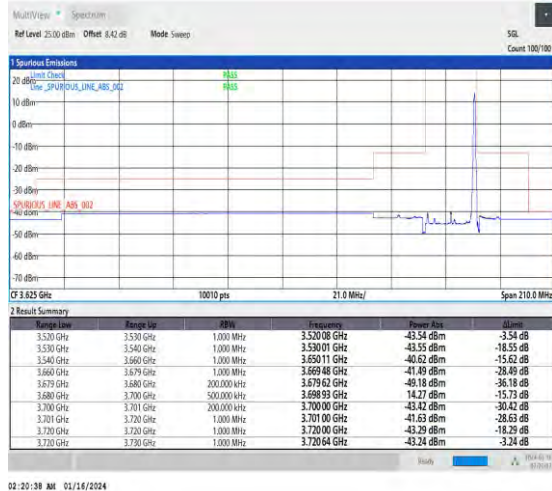
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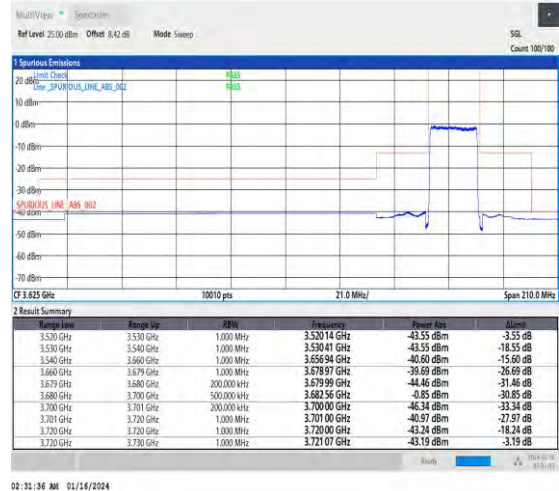
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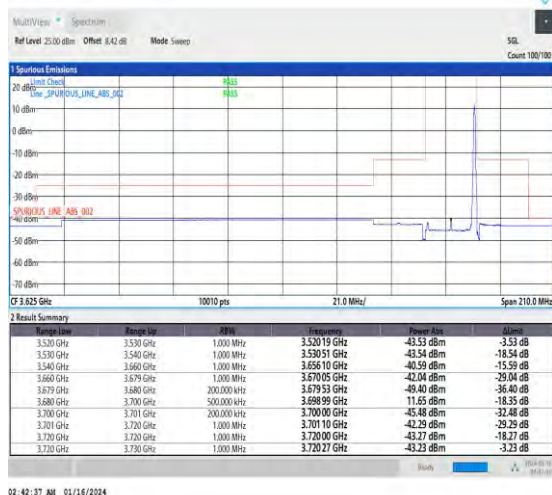
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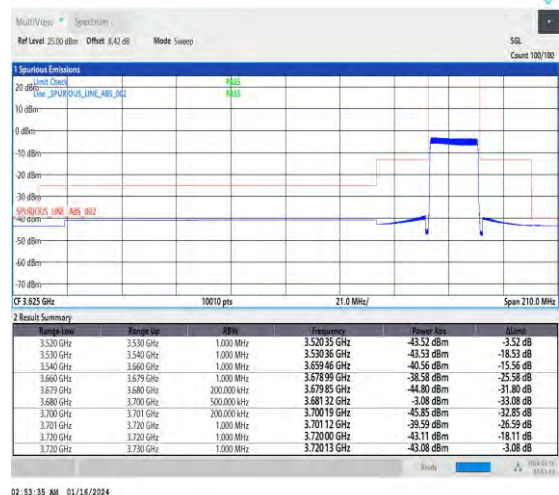
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1-N48-30-20-H-5-CP-QPSK-Edge_1RB_Right-1@50-Ant4-1--PASS-see graph



1-N48-30-20-H-6-CP-QPSK-Outer_Full-51@0-Ant4-1--PASS-see graph



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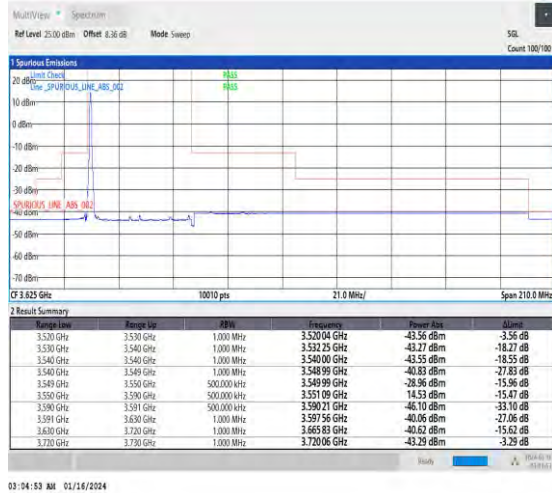
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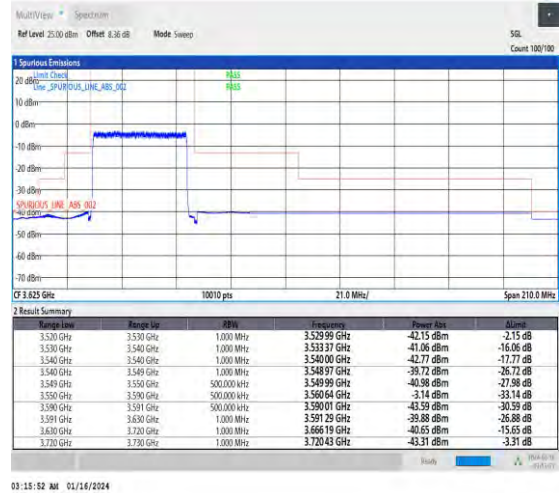
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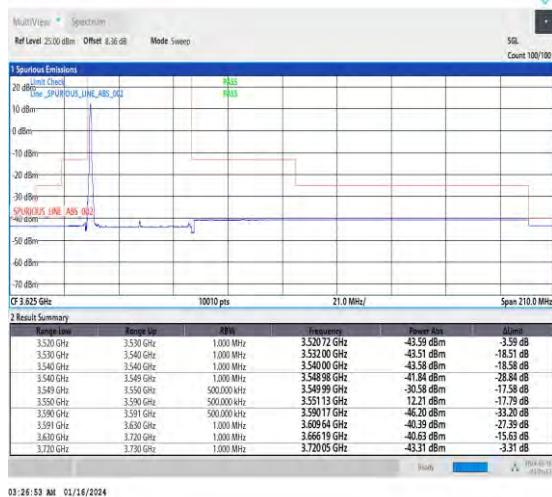
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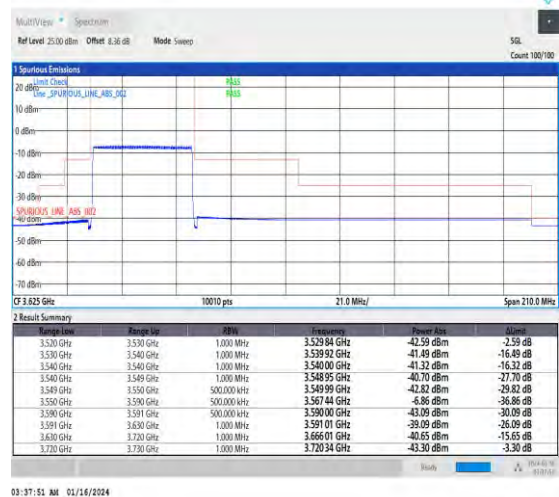
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1-N48-30-40-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant4-1--PASS-see graph



03:37:51 AM 01/16/2024

1-N48-30-40-L-6-CP-QPSK-Outer_Full-106@0-Ant4-1--PASS-see graph



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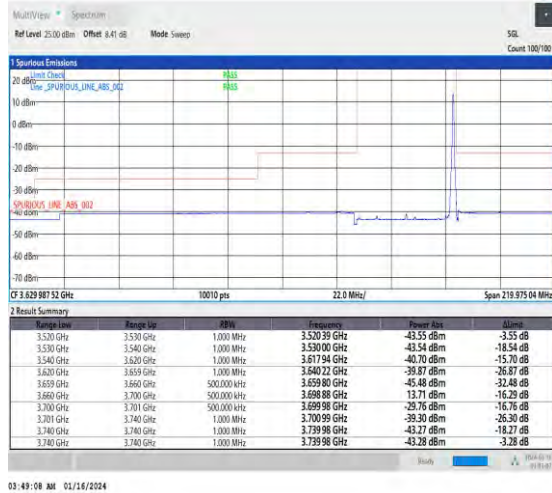
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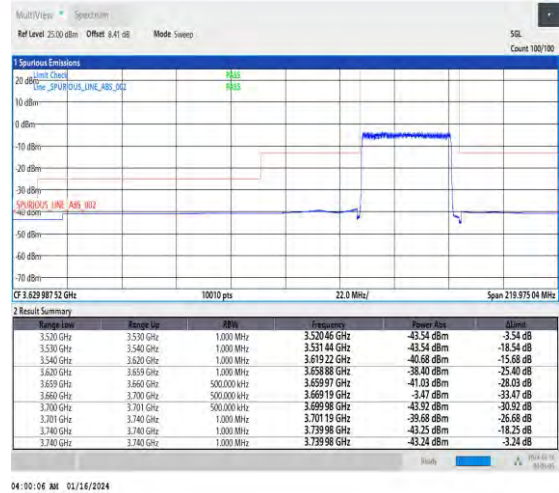
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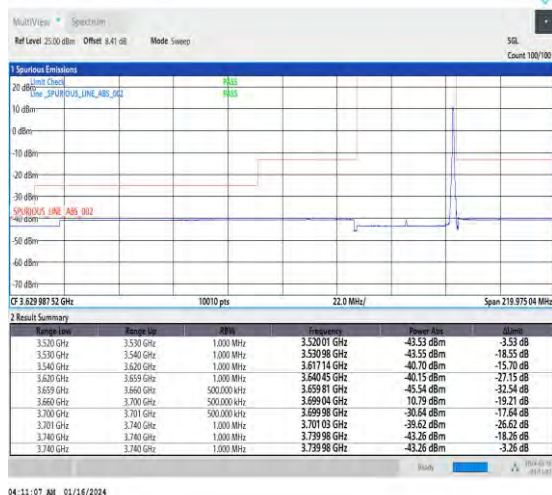
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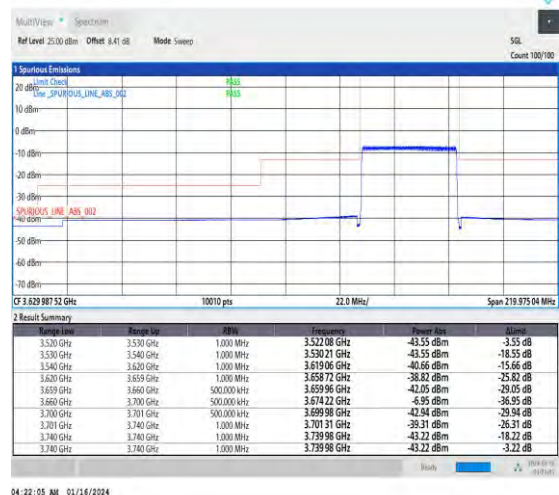
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Conducted Spurious Emission for SA

Test Graphs



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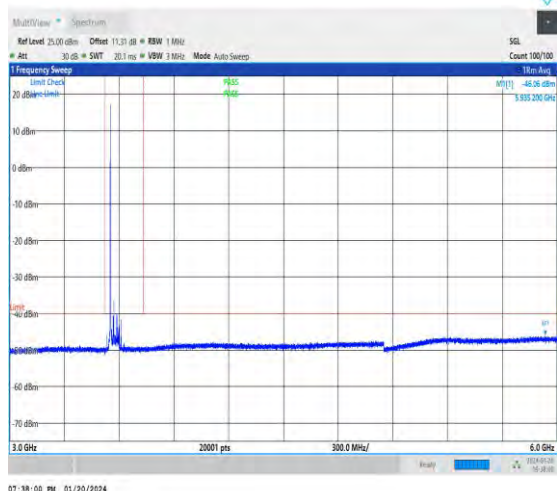
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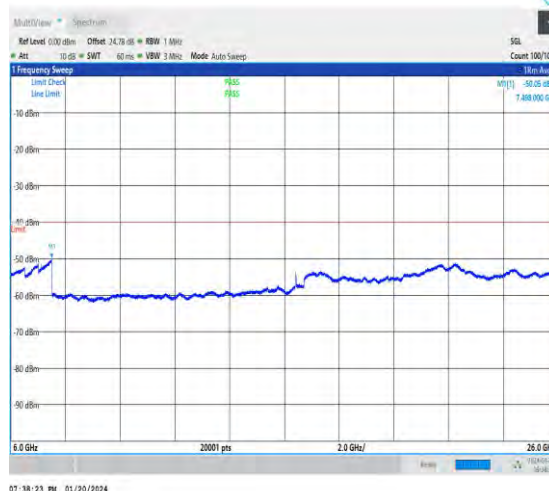
Report No.: SEWM2311000466RG02

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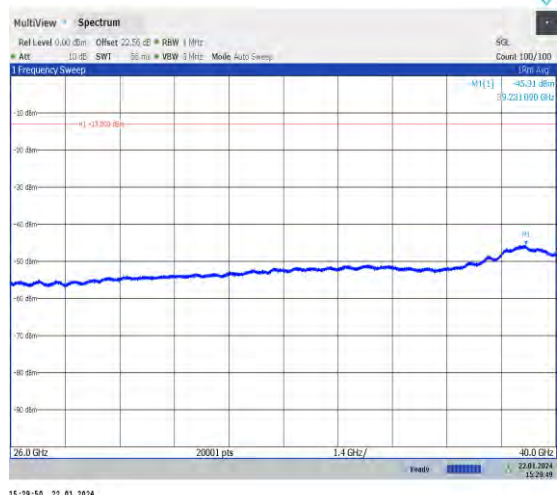
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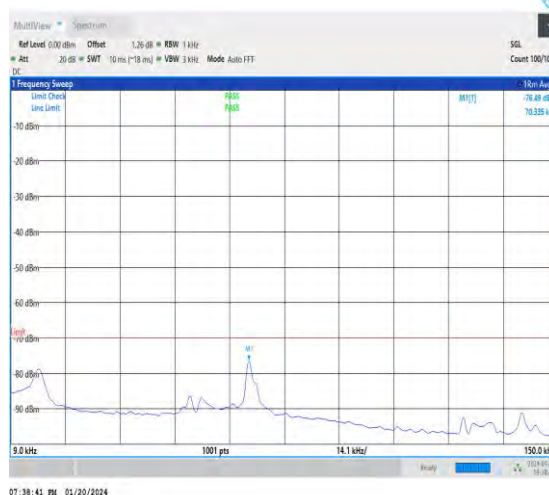
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NTVN_N48_30_40_M_TID1_NS_01_0.009_0.15_#1



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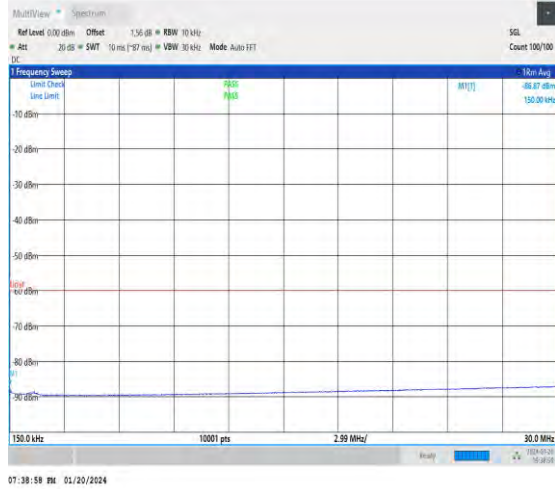
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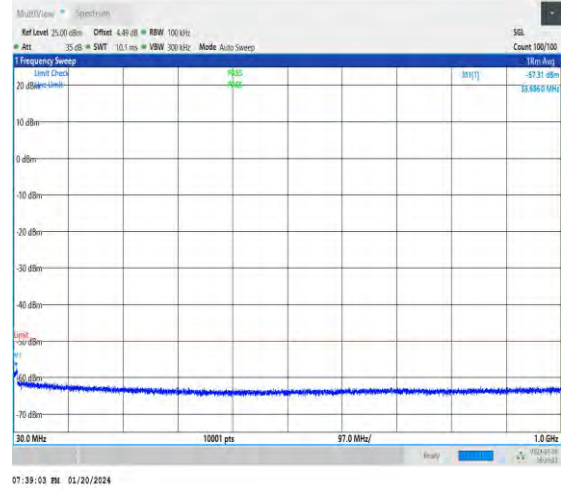
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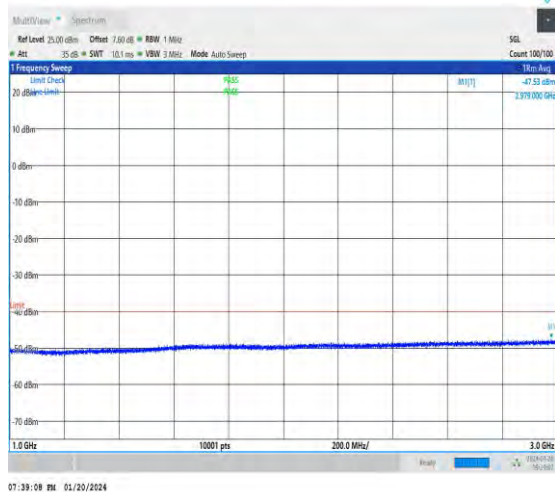
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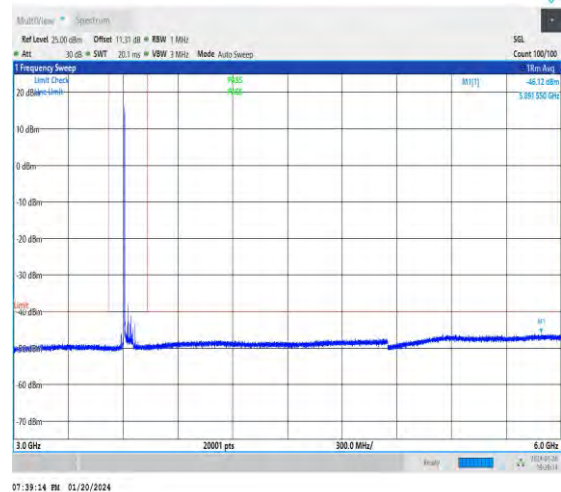
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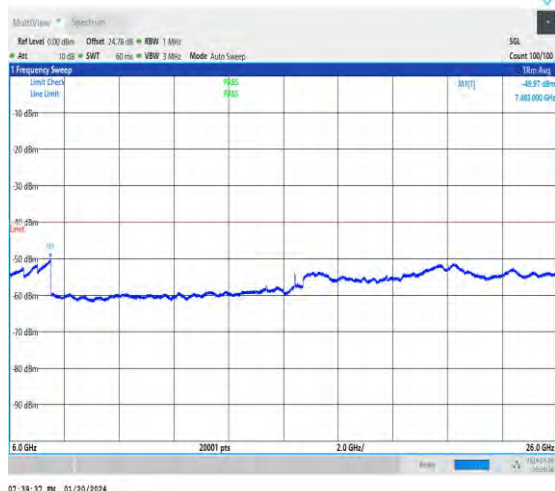
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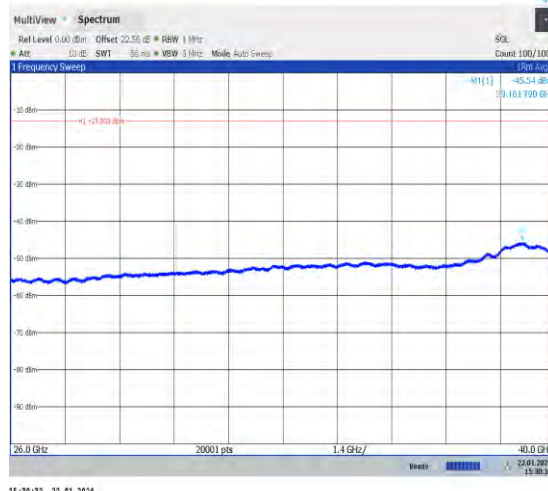
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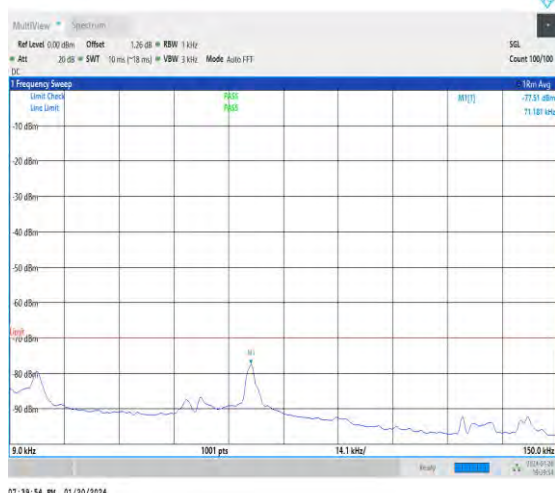
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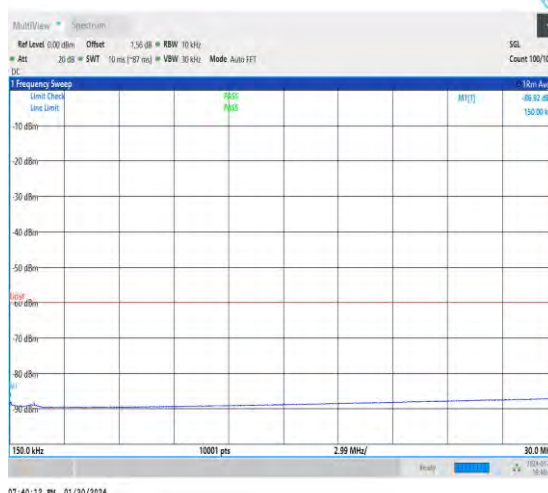
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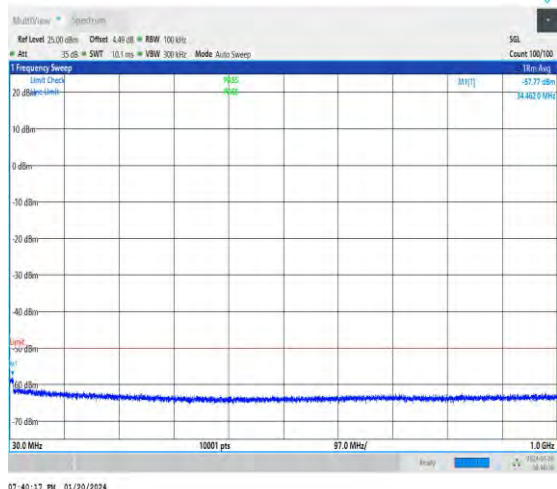
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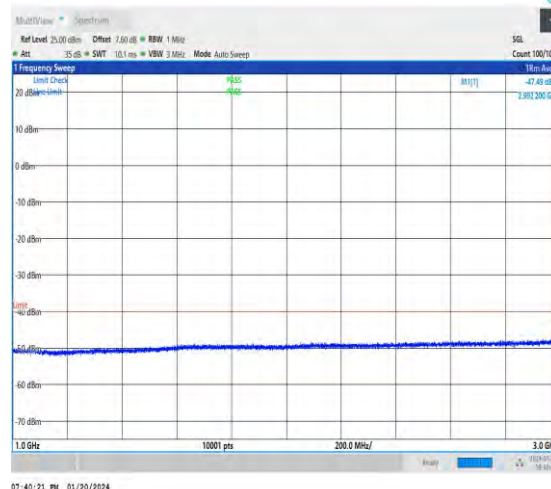
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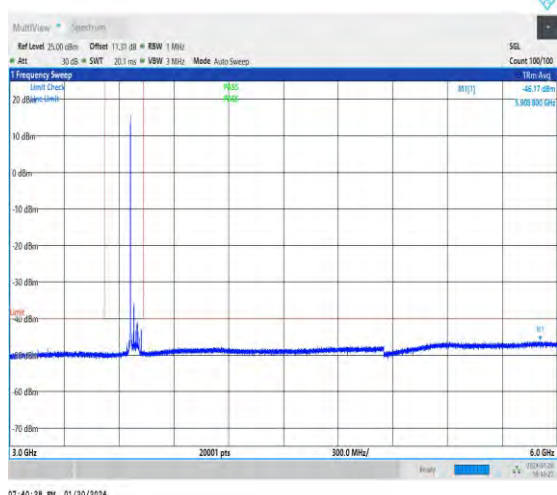
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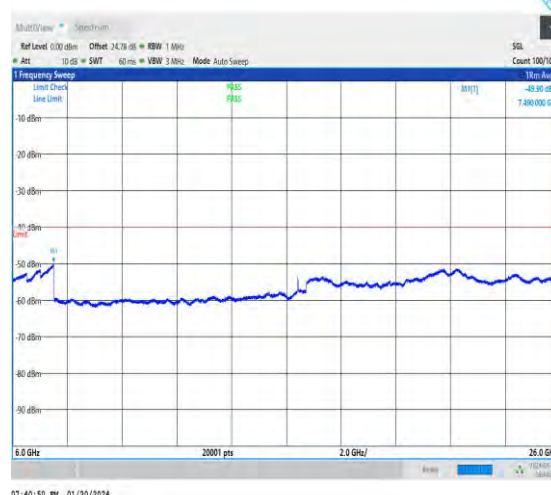
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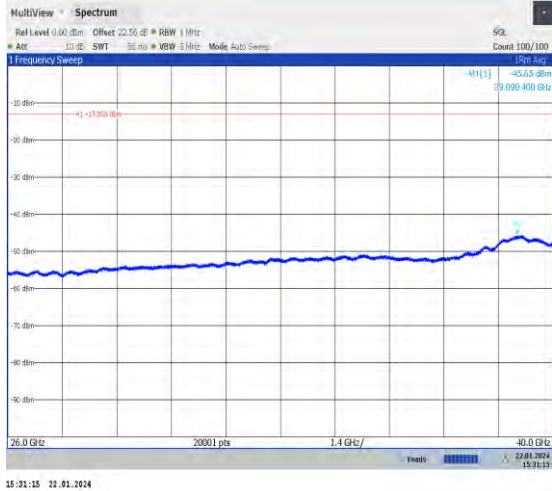
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Field Strength of Spurious Radiation

Test Band = SA Band48_ TM1

Test Channel = Low

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	7102.025	50.10	-43.66	35.49	-53.33	-40.00	13.33	Horizontal
2	7862.175	38.87	-42.68	36.74	-62.32	-40.00	22.32	Horizontal
3	8851.175	36.95	-41.02	36.37	-62.96	-40.00	22.96	Horizontal
4	9860.3	32.53	-39.14	37.93	-63.94	-40.00	23.94	Horizontal
5	10700.95	30.81	-37.50	38.55	-63.40	-40.00	23.40	Horizontal
6	12376.5	27.85	-36.91	38.91	-65.40	-40.00	25.40	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	7102.025	47.13	-43.66	35.49	-56.30	-40.00	16.30	Vertical
2	8025.475	38.00	-41.93	36.79	-62.40	-40.00	22.40	Vertical
3	9002.975	36.66	-40.86	36.31	-63.15	-40.00	23.15	Vertical
4	10653.225	35.48	-37.73	38.53	-58.99	-40.00	18.99	Vertical
5	12048.175	27.72	-37.18	38.81	-65.91	-40.00	25.91	Vertical
6	14330.35	26.79	-35.62	41.03	-63.06	-40.00	23.06	Vertical



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Test Band = SA Band48_ TM1
Test Channel = Mid

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	7312.475	39.34	-43.26	36.07	-63.11	-40.00	23.11	Horizontal
2	8356.1	38.03	-41.59	36.62	-62.20	-40.00	22.20	Horizontal
3	9310.025	34.87	-40.05	36.89	-63.56	-40.00	23.56	Horizontal
4	10727.975	35.99	-37.76	38.56	-58.47	-40.00	18.47	Horizontal
5	12362.125	27.86	-36.86	38.91	-65.35	-40.00	25.35	Horizontal
6	14497.1	26.04	-34.25	41.10	-62.38	-40.00	22.38	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	7310.175	39.52	-43.28	36.07	-62.95	-40.00	22.95	Vertical
2	8424.525	38.86	-41.48	36.59	-61.29	-40.00	21.29	Vertical
3	9850.525	32.89	-39.13	37.92	-63.58	-40.00	23.58	Vertical
4	11163.25	30.15	-37.02	38.72	-63.42	-40.00	23.42	Vertical
5	12353.5	28.06	-36.83	38.91	-65.12	-40.00	25.12	Vertical
6	13911.75	27.47	-35.48	40.74	-62.53	-40.00	22.53	Vertical



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Test Band = SA Band48_ TM1
Test Channel = High

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	7202.075	45.27	-43.60	35.77	-57.83	-40.00	17.83	Horizontal
2	8892.575	36.41	-40.93	36.35	-63.42	-40.00	23.42	Horizontal
3	10023.025	33.27	-39.22	38.21	-63.00	-40.00	23.00	Horizontal
4	10803.3	33.32	-38.45	38.60	-61.79	-40.00	21.79	Horizontal
5	12205.15	29.02	-37.09	38.86	-64.46	-40.00	24.46	Horizontal
6	13682.9	27.89	-36.00	40.33	-63.04	-40.00	23.04	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	7384.925	39.96	-42.87	36.28	-61.89	-40.00	21.89	Vertical
2	8372.2	37.94	-41.51	36.61	-62.22	-40.00	22.22	Vertical
3	9869.5	32.67	-39.16	37.95	-63.80	-40.00	23.80	Vertical
4	11141.4	30.28	-37.27	38.71	-63.54	-40.00	23.54	Vertical
5	12221.25	28.45	-37.01	38.87	-64.95	-40.00	24.95	Vertical
6	14508.6	26.21	-34.33	41.10	-62.27	-40.00	22.27	Vertical

Remark:

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

AF = Antenna Factor(dB/m)

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

Level = Reading Level + AF + Factor -95.26

Margin = Limit – Level



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Frequency Stability for SA

Test Result

Frequency Error VS. Voltage

Voltage										
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation(Hz)	Deviation (ppm)	Verdict
N48	30	40	DFT-PI2BPSK	M	Outer_Full	VH	NT	-3.700000	-0.001021	PASS
N48	30	40	DFT-PI2BPSK	M	Outer_Full	VN	NT	-4.700000	-0.001297	PASS
N48	30	40	DFT-PI2BPSK	M	Outer_Full	VL	NT	-2.700000	-0.000745	PASS
N48	30	40	CP-QPSK	M	Outer_Full	VH	NT	-5.200000	-0.001434	PASS
N48	30	40	CP-QPSK	M	Outer_Full	VN	NT	-0.400000	-0.000110	PASS
N48	30	40	CP-QPSK	M	Outer_Full	VL	NT	-0.400000	-0.000110	PASS



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Frequency Error VS. Temperature

Temperature										
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation(Hz)	Deviation (ppm)	Verdict
N48	30	40	DFT-PI2BPSK	M	Outer_Full	NV	-30	-1.600000	-0.000441	PASS
N48	30	40	DFT-PI2BPSK	M	Outer_Full	NV	-20	-1.300000	-0.000359	PASS
N48	30	40	DFT-PI2BPSK	M	Outer_Full	NV	-10	1.800000	0.000497	PASS
N48	30	40	DFT-PI2BPSK	M	Outer_Full	NV	0	-4.500000	-0.001241	PASS
N48	30	40	DFT-PI2BPSK	M	Outer_Full	NV	10	-1.100000	-0.000303	PASS
N48	30	40	DFT-PI2BPSK	M	Outer_Full	NV	20	-0.500000	-0.000138	PASS
N48	30	40	DFT-PI2BPSK	M	Outer_Full	NV	30	-2.500000	-0.000690	PASS
N48	30	40	DFT-PI2BPSK	M	Outer_Full	NV	40	-0.900000	-0.000248	PASS
N48	30	40	DFT-PI2BPSK	M	Outer_Full	NV	50	-0.300000	-0.000083	PASS
N48	30	40	CP-QPSK	M	Outer_Full	NV	-30	-2.800000	-0.000772	PASS
N48	30	40	CP-QPSK	M	Outer_Full	NV	-20	-0.300000	-0.000083	PASS
N48	30	40	CP-QPSK	M	Outer_Full	NV	-10	-2.400000	-0.000662	PASS
N48	30	40	CP-QPSK	M	Outer_Full	NV	0	-1.600000	-0.000441	PASS
N48	30	40	CP-QPSK	M	Outer_Full	NV	10	-2.000000	-0.000552	PASS
N48	30	40	CP-QPSK	M	Outer_Full	NV	20	-2.400000	-0.000662	PASS
N48	30	40	CP-QPSK	M	Outer_Full	NV	30	-2.700000	-0.000745	PASS
N48	30	40	CP-QPSK	M	Outer_Full	NV	40	-1.300000	-0.000359	PASS
N48	30	40	CP-QPSK	M	Outer_Full	NV	50	-1.000000	-0.000276	PASS

---End of Attachment---



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