

Report No.: SEWA2310000127RG02

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# Appendix B.22

## NR Band n66



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## Effective (Isotropic) Radiated Power Output Data for SA

### Test Result

Ant1

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Power (dBm)	EIRP (dBm)	Limit	Verdict
N66	15	5	DFT-QPSK	L	Inner_1RB_Left	23.41	25.34	30.00	PASS
N66	15	5	DFT-16QAM	L	Inner_1RB_Left	22.35	24.28	30.00	PASS
N66	15	5	DFT-QPSK	M	Inner_1RB_Left	23.17	25.1	30.00	PASS
N66	15	5	DFT-16QAM	M	Inner_1RB_Left	22.2	24.13	30.00	PASS
N66	15	5	DFT-QPSK	H	Inner_1RB_Left	23.33	25.26	30.00	PASS
N66	15	5	DFT-16QAM	H	Inner_1RB_Left	22.33	24.26	30.00	PASS
N66	15	10	DFT-QPSK	L	Inner_1RB_Left	23.45	25.38	30.00	PASS
N66	15	10	DFT-16QAM	L	Inner_1RB_Left	22.46	24.39	30.00	PASS
N66	15	10	DFT-QPSK	M	Inner_1RB_Left	23.24	25.17	30.00	PASS
N66	15	10	DFT-16QAM	M	Inner_1RB_Left	22.27	24.2	30.00	PASS
N66	15	10	DFT-QPSK	H	Inner_1RB_Left	23.41	25.34	30.00	PASS
N66	15	10	DFT-16QAM	H	Inner_1RB_Left	22.4	24.33	30.00	PASS
N66	15	15	DFT-QPSK	L	Inner_1RB_Left	23.43	25.36	30.00	PASS
N66	15	15	DFT-16QAM	L	Inner_1RB_Left	22.35	24.28	30.00	PASS
N66	15	15	DFT-QPSK	M	Inner_1RB_Left	23.31	25.24	30.00	PASS
N66	15	15	DFT-16QAM	M	Inner_1RB_Left	22.27	24.2	30.00	PASS
N66	15	15	DFT-QPSK	H	Inner_1RB_Left	23.44	25.37	30.00	PASS
N66	15	15	DFT-16QAM	H	Inner_1RB_Left	22.39	24.32	30.00	PASS
N66	15	20	DFT-QPSK	L	Inner_1RB_Left	23.43	25.36	30.00	PASS
N66	15	20	DFT-16QAM	L	Inner_1RB_Left	22.43	24.36	30.00	PASS
N66	15	20	DFT-QPSK	M	Inner_1RB_Left	23.39	25.32	30.00	PASS
N66	15	20	DFT-16QAM	M	Inner_1RB_Left	22.29	24.22	30.00	PASS
N66	15	20	DFT-QPSK	H	Inner_1RB_Left	23.37	25.3	30.00	PASS
N66	15	20	DFT-16QAM	H	Inner_1RB_Left	22.31	24.24	30.00	PASS
N66	15	40	DFT-PI2BPSK	L	Inner_1RB_Left	23.49	25.42	30.00	PASS
N66	15	40	DFT-PI2BPSK	L	Inner_1RB_Right	23.47	25.4	30.00	PASS
N66	15	40	DFT-PI2BPSK	L	Outer_Full	23.01	24.94	30.00	PASS
N66	15	40	DFT-QPSK	L	Inner_1RB_Left	23.37	25.3	30.00	PASS
N66	15	40	DFT-QPSK	L	Inner_1RB_Right	23.51	25.44	30.00	PASS
N66	15	40	DFT-QPSK	L	Outer_Full	22.54	24.47	30.00	PASS



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Table with 10 columns: Test ID, Modulation, Bandwidth, Modulation, Constellation, Modulation, SNR, SNR, SNR, Result. Rows include various modulation schemes like DFT-16QAM, DFT-64QAM, DFT-256QAM, DFT-PI2BPSK, and DFT-QPSK.



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N66	15	40	DFT-256QAM	H	Inner_1RB_Right	18.48	20.41	30.00	PASS
N66	15	40	DFT-256QAM	H	Outer_Full	19.01	20.94	30.00	PASS



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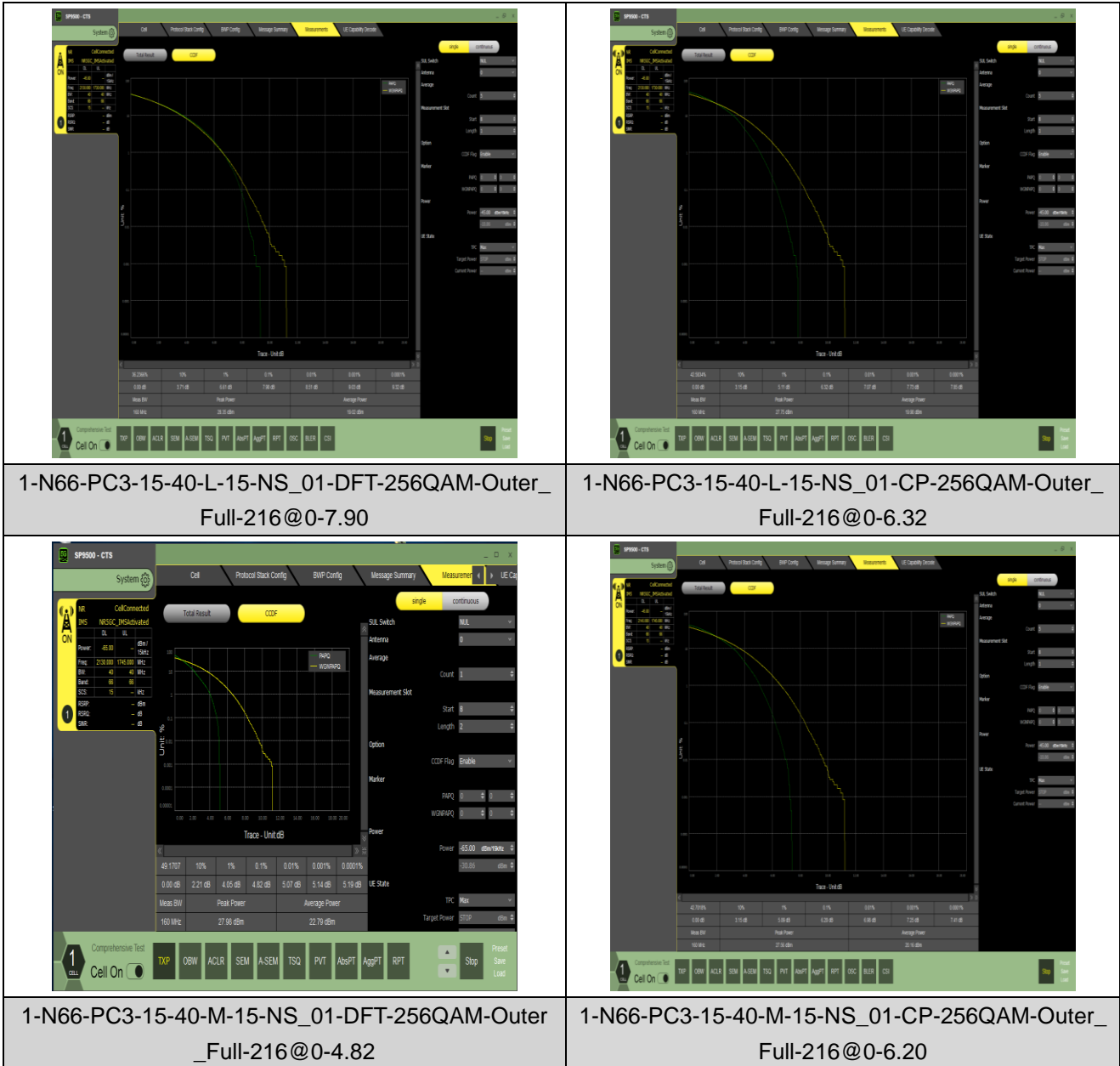
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## Peak-to-Average Ratio for SA

### Test Graphs



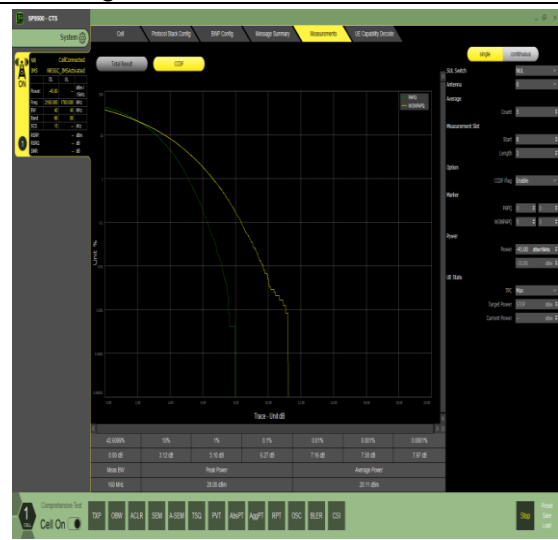
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1-N66-PC3-15-40-H-15-NS\_01-DFT-256QAM-Outer\_  
Full-216@0-7.99



1-N66-PC3-15-40-H-15-NS\_01-CP-256QAM-Outer\_  
Full-216@0-6.27



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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
N66	15	5	DFT-QPSK	M	Outer_Full	4.483	4.990	PASS
N66	15	5	DFT-PI2BPSK	M	Outer_Full	4.49	4.970	PASS
N66	15	5	DFT-16QAM	M	Outer_Full	4.506	5.010	PASS
N66	15	5	DFT-64QAM	M	Outer_Full	4.506	5.000	PASS
N66	15	5	DFT-256QAM	M	Outer_Full	4.489	5.030	PASS
N66	15	5	CP-QPSK	M	Outer_Full	4.506	5.060	PASS
N66	15	5	CP-16QAM	M	Outer_Full	4.508	5.060	PASS
N66	15	5	CP-64QAM	M	Outer_Full	4.506	5.080	PASS
N66	15	5	CP-256QAM	M	Outer_Full	4.503	4.970	PASS
N66	15	10	DFT-QPSK	M	Outer_Full	8.926	9.580	PASS
N66	15	10	DFT-PI2BPSK	M	Outer_Full	8.912	9.560	PASS
N66	15	10	DFT-16QAM	M	Outer_Full	8.945	9.540	PASS
N66	15	10	DFT-64QAM	M	Outer_Full	8.933	9.500	PASS
N66	15	10	DFT-256QAM	M	Outer_Full	8.922	9.540	PASS
N66	15	10	CP-QPSK	M	Outer_Full	9.271	9.980	PASS
N66	15	10	CP-16QAM	M	Outer_Full	9.274	9.940	PASS
N66	15	10	CP-64QAM	M	Outer_Full	9.27	9.960	PASS
N66	15	10	CP-256QAM	M	Outer_Full	9.291	9.800	PASS
N66	15	15	DFT-QPSK	M	Outer_Full	13.497	14.460	PASS
N66	15	15	DFT-PI2BPSK	M	Outer_Full	13.469	15.570	PASS
N66	15	15	DFT-16QAM	M	Outer_Full	13.528	14.640	PASS
N66	15	15	DFT-64QAM	M	Outer_Full	13.451	14.460	PASS
N66	15	15	DFT-256QAM	M	Outer_Full	13.484	14.640	PASS
N66	15	15	CP-QPSK	M	Outer_Full	14.177	15.240	PASS
N66	15	15	CP-16QAM	M	Outer_Full	14.179	15.930	PASS
N66	15	15	CP-64QAM	M	Outer_Full	14.209	15.630	PASS
N66	15	15	CP-256QAM	M	Outer_Full	14.153	15.150	PASS
N66	15	20	DFT-QPSK	M	Outer_Full	17.878	19.720	PASS
N66	15	20	DFT-PI2BPSK	M	Outer_Full	17.902	19.000	PASS
N66	15	20	DFT-16QAM	M	Outer_Full	17.891	21.520	PASS



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N66	15	20	DFT-64QAM	M	Outer_Full	17.897	18.920	PASS
N66	15	20	DFT-256QAM	M	Outer_Full	17.89	19.400	PASS
N66	15	20	CP-QPSK	M	Outer_Full	18.959	20.040	PASS
N66	15	20	CP-16QAM	M	Outer_Full	18.997	20.120	PASS
N66	15	20	CP-64QAM	M	Outer_Full	18.964	20.040	PASS
N66	15	20	CP-256QAM	M	Outer_Full	19.016	20.040	PASS
N66	15	40	DFT-QPSK	M	Outer_Full	38.931	41.360	PASS
N66	15	40	DFT-PI2BPSK	M	Outer_Full	38.625	41.280	PASS
N66	15	40	DFT-16QAM	M	Outer_Full	38.695	41.360	PASS
N66	15	40	DFT-64QAM	M	Outer_Full	38.676	41.200	PASS
N66	15	40	DFT-256QAM	M	Outer_Full	38.779	41.280	PASS
N66	15	40	CP-QPSK	M	Outer_Full	38.745	41.360	PASS
N66	15	40	CP-16QAM	M	Outer_Full	38.713	41.360	PASS
N66	15	40	CP-64QAM	M	Outer_Full	38.907	41.360	PASS
N66	15	40	CP-256QAM	M	Outer_Full	38.699	41.040	PASS



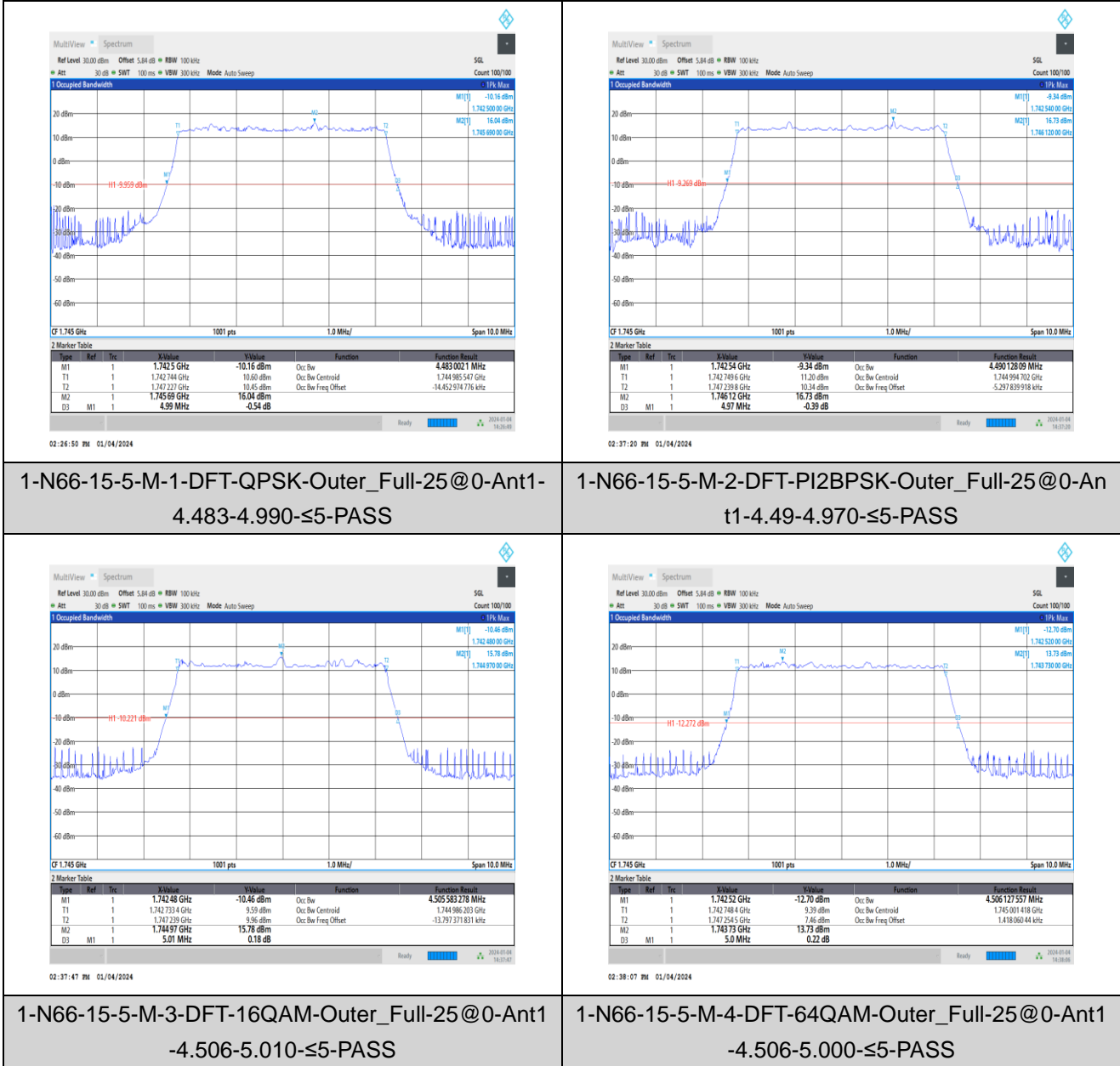
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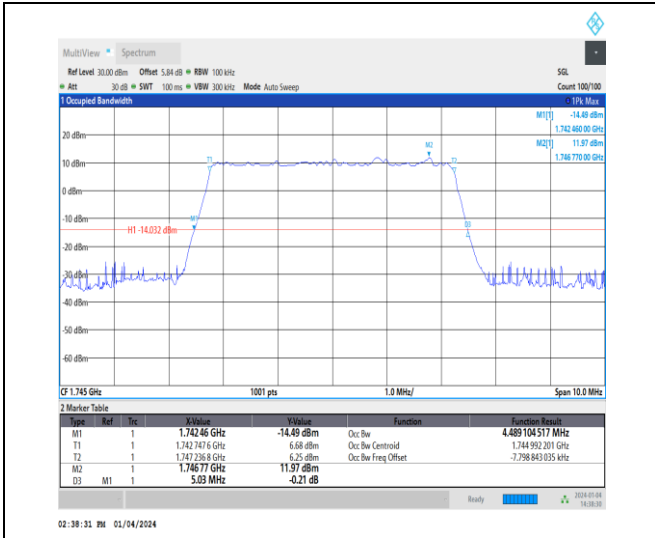
Test Graphs



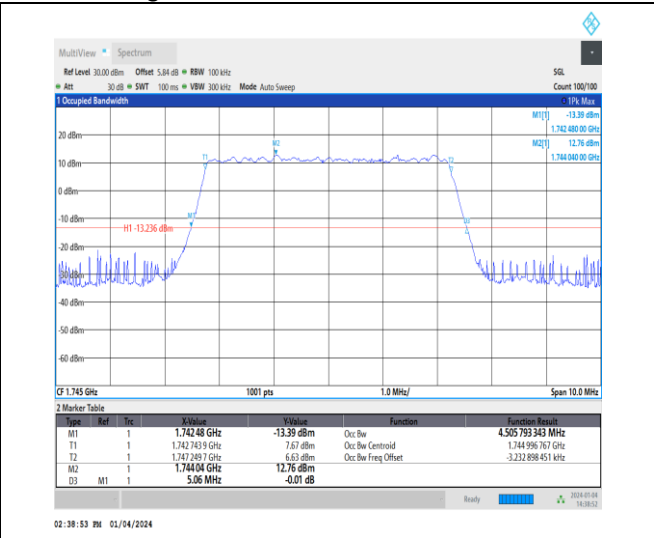
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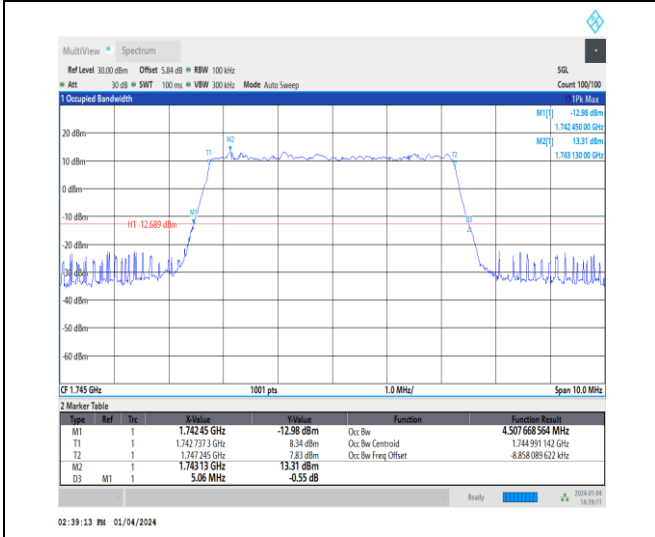
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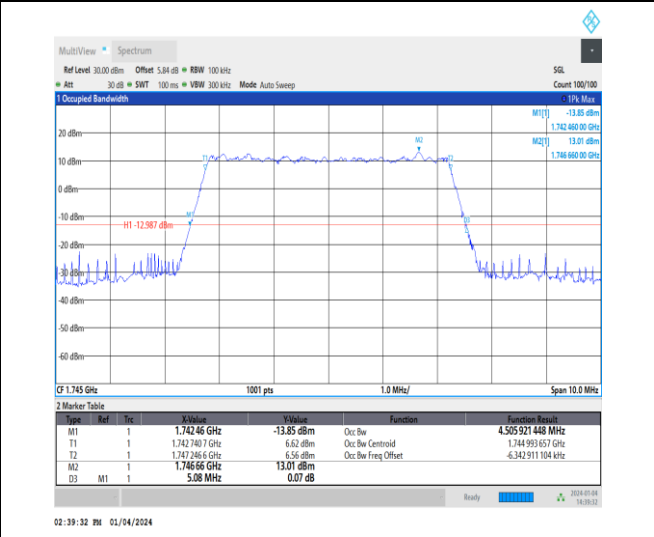
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506-5.060-≤5-PASS



1-N66-15-5-M-7-CP-16QAM-Outer\_Full-25@0-Ant1-  
4.508-5.060-≤5-PASS



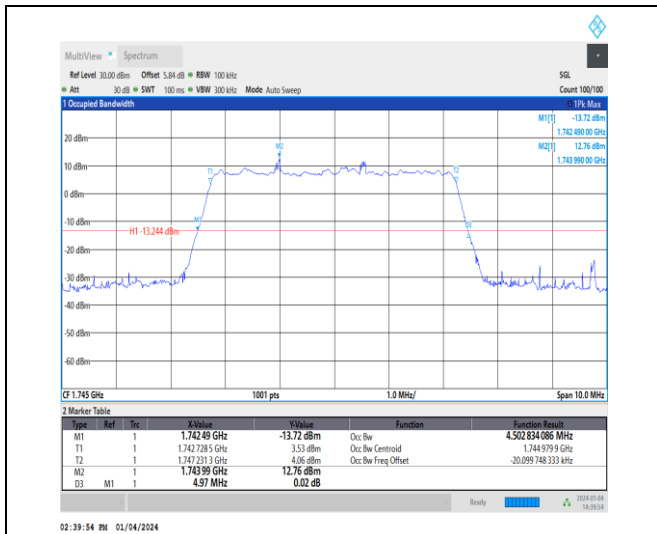
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4.506-5.080-≤5-PASS



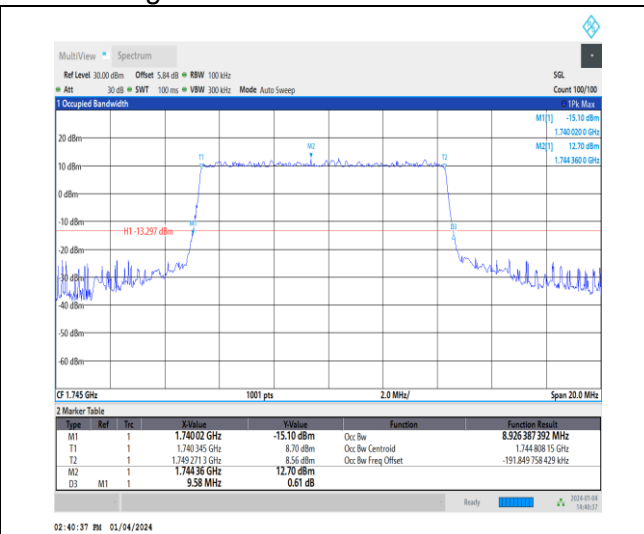
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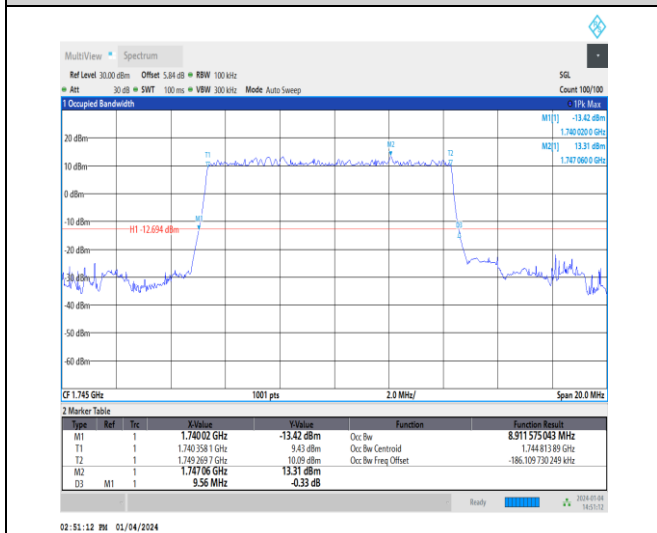
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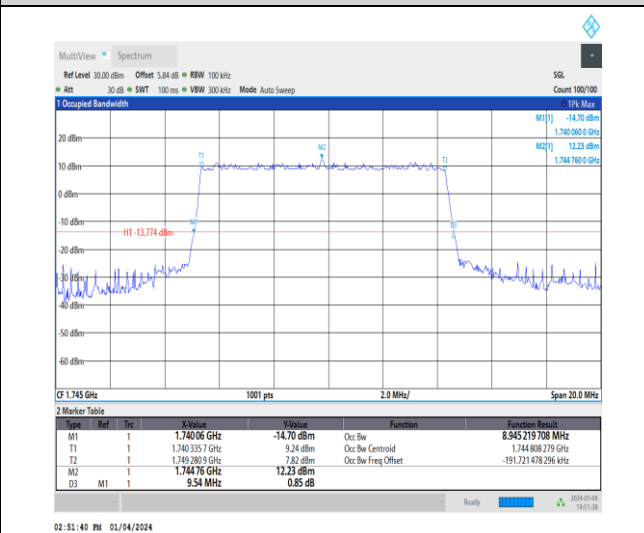
1-N66-15-5-M-9-CP-256QAM-Outer\_Full-25@0-Ant1  
-4.503-4.970-≤5-PASS



1-N66-15-10-M-1-DFT-QPSK-Outer\_Full-50@0-Ant1  
-8.926-9.580-≤10-PASS



1-N66-15-10-M-2-DFT-PI2BPSK-Outer\_Full-50@0-Ant1  
-8.912-9.560-≤10-PASS



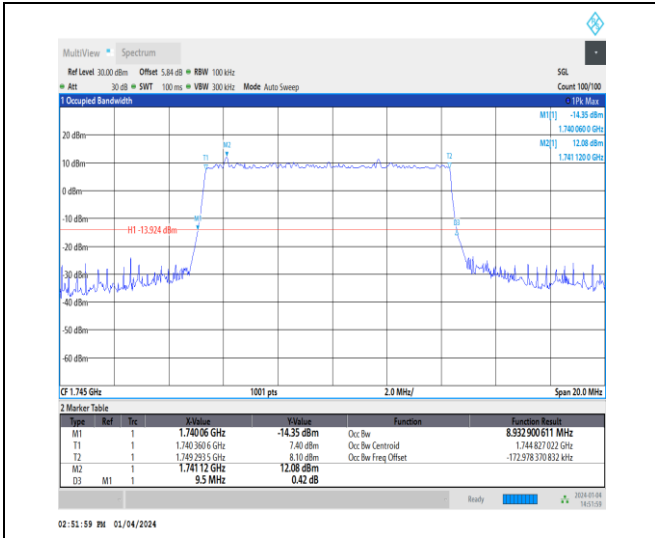
1-N66-15-10-M-3-DFT-16QAM-Outer\_Full-50@0-Ant1  
1-8.945-9.540-≤10-PASS



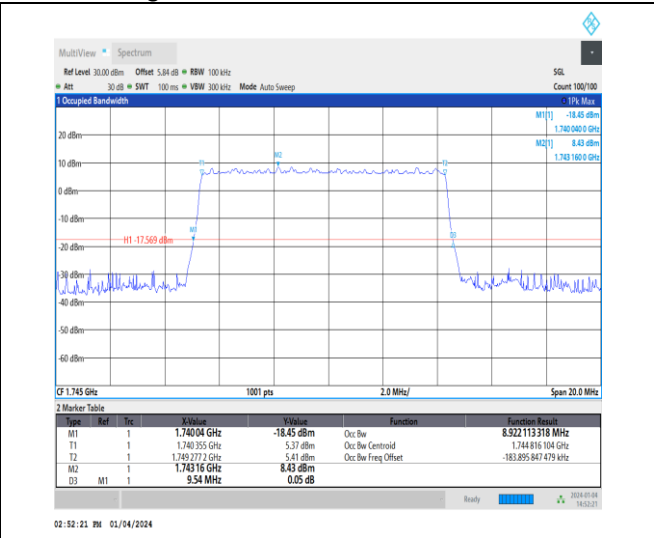
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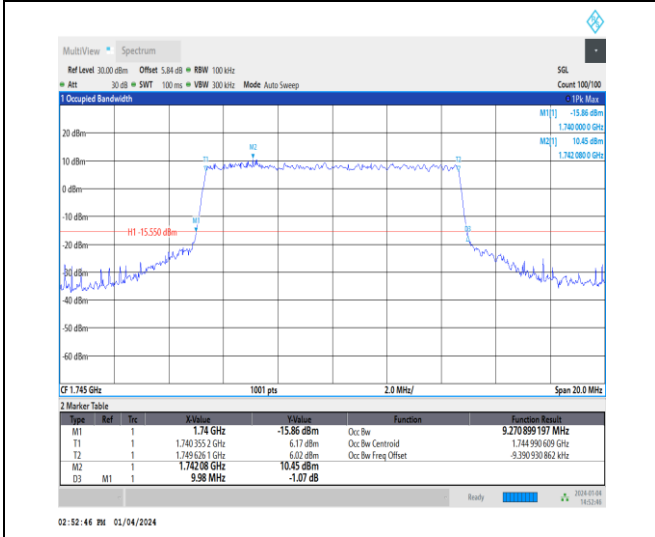
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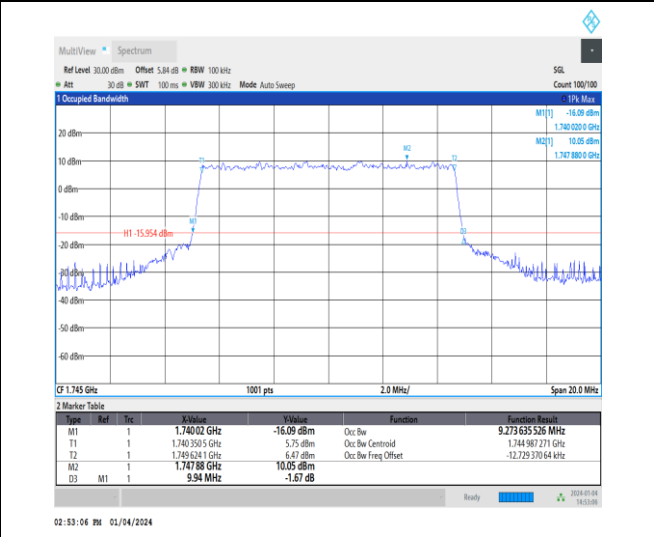
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1-8.933-9.500-≤10-PASS



1-N66-15-10-M-5-DFT-256QAM-Outer\_Full-50@0-A  
nt1-8.922-9.540-≤10-PASS



1-N66-15-10-M-6-CP-QPSK-Outer\_Full-52@0-Ant1  
9.271-9.980-≤10-PASS



1-N66-15-10-M-7-CP-16QAM-Outer\_Full-52@0-Ant1  
-9.274-9.940-≤10-PASS

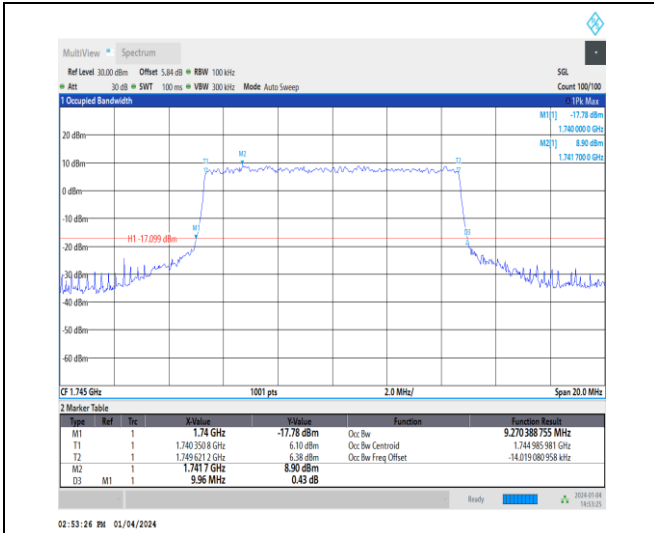


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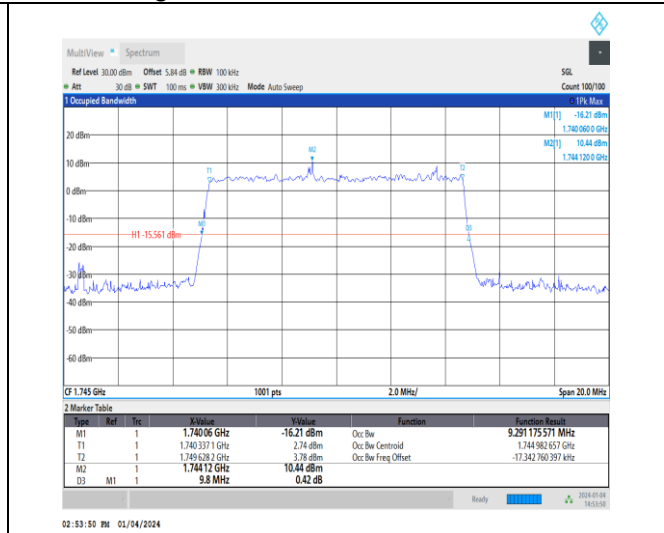
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1-N66-15-10-M-8-CP-64QAM-Outer\_Full-52@0-Ant1  
-9.27-9.960-≤10-PASS



1-N66-15-10-M-9-CP-256QAM-Outer\_Full-52@0-Ant  
1-9.291-9.800-≤10-PASS



1-N66-15-15-M-1-DFT-QPSK-Outer\_Full-75@0-Ant1  
-13.497-14.460-≤15-PASS



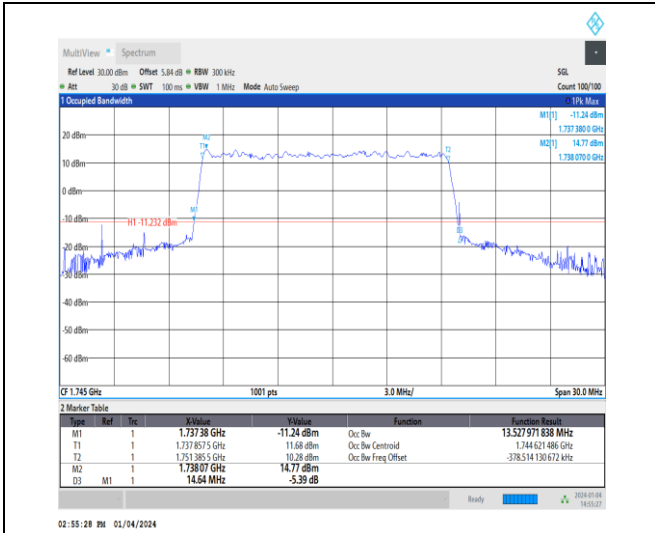
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nt1-13.469-15.570-≤15-PASS



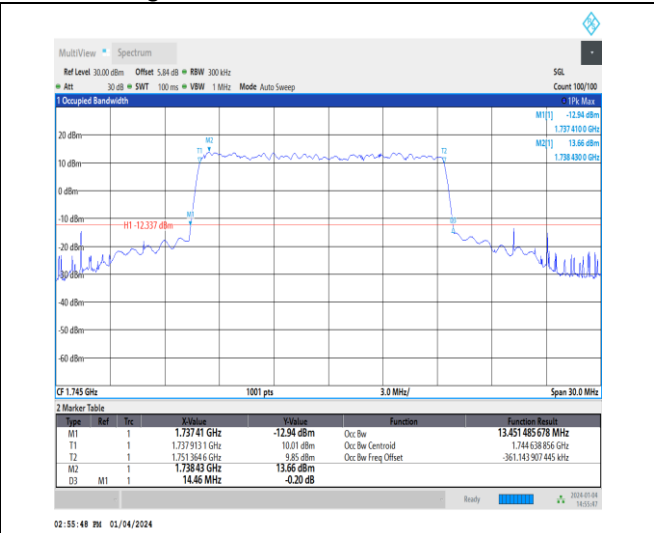
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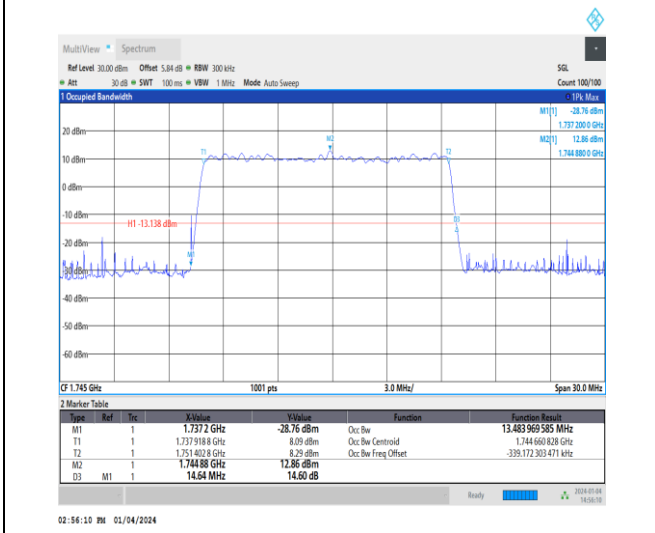
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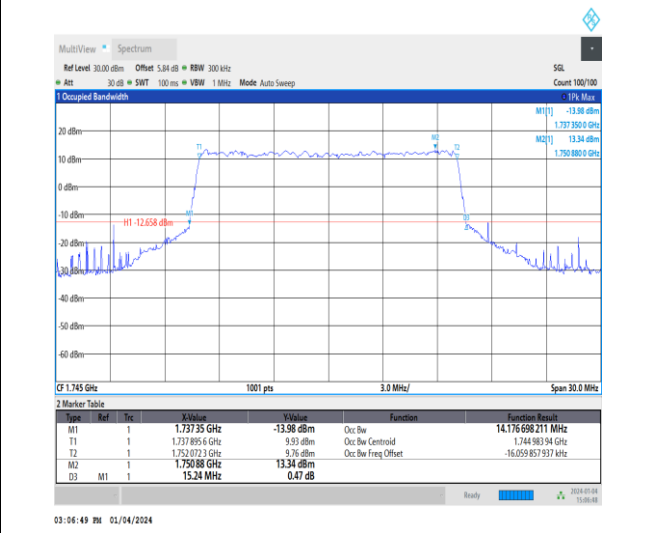
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1-13.528-14.640-≤15-PASS



1-N66-15-15-M-4-DFT-64QAM-Outer\_Full-75@0-Ant  
1-13.451-14.460-≤15-PASS



1-N66-15-15-M-5-DFT-256QAM-Outer\_Full-75@0-A  
nt1-13.484-14.640-≤15-PASS



1-N66-15-15-M-6-CP-QPSK-Outer\_Full-79@0-Ant1  
14.177-15.240-≤15-PASS

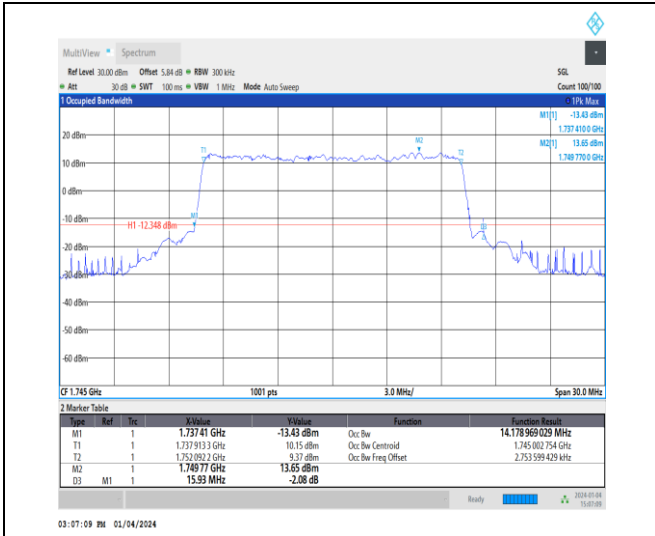


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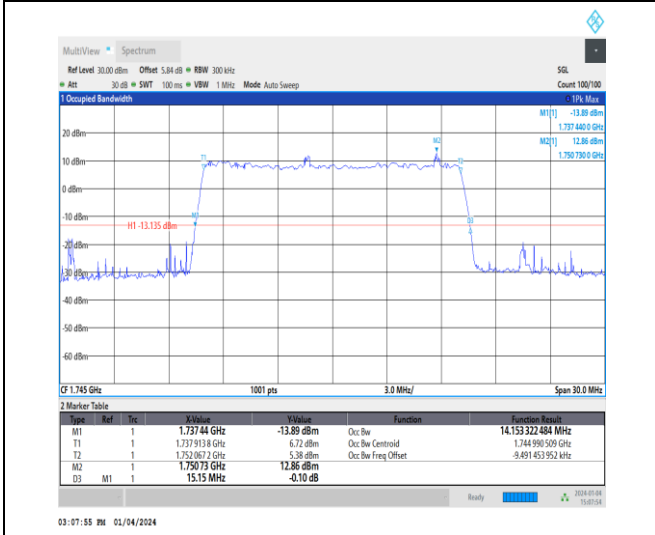
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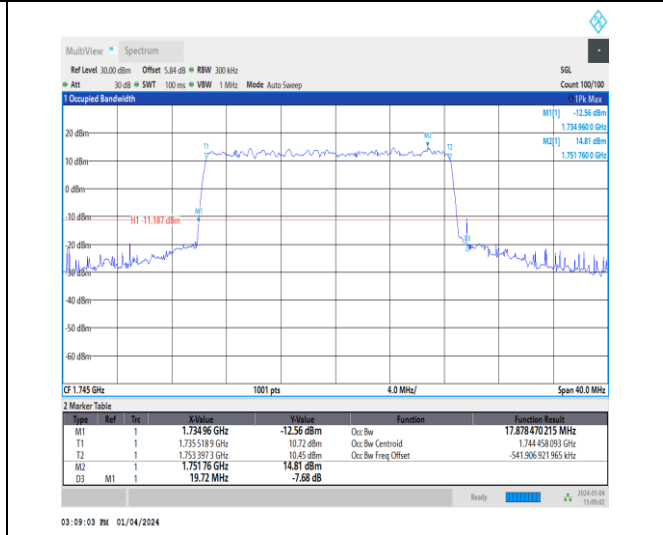
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-14.179-15.930≤15-PASS



1-N66-15-15-M-8-CP-64QAM-Outer\_Full-79@0-Ant1  
-14.209-15.630≤15-PASS



1-N66-15-15-M-9-CP-256QAM-Outer\_Full-79@0-Ant  
1-14.153-15.150≤15-PASS



1-N66-15-20-M-1-DFT-QPSK-Outer\_Full-100@0-Ant  
1-17.878-19.720≤20-PASS



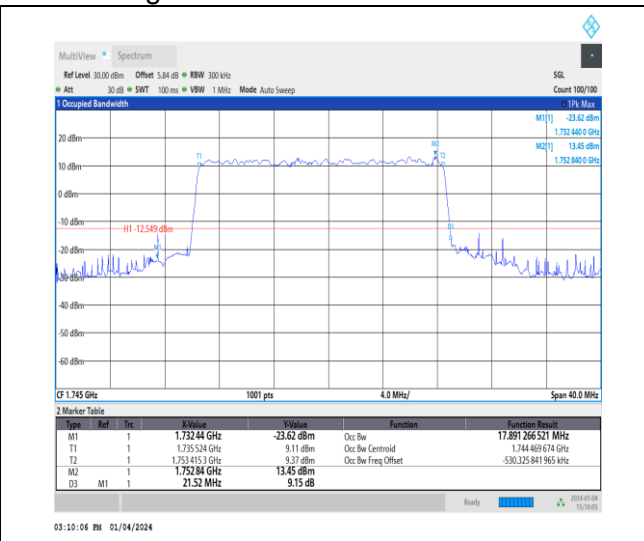
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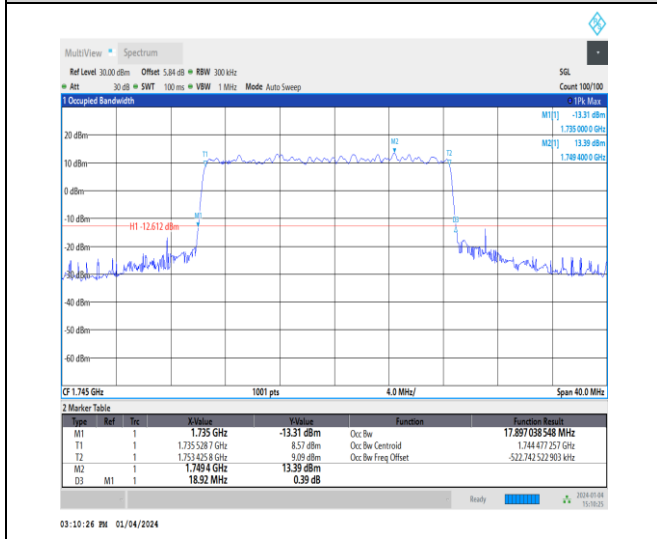
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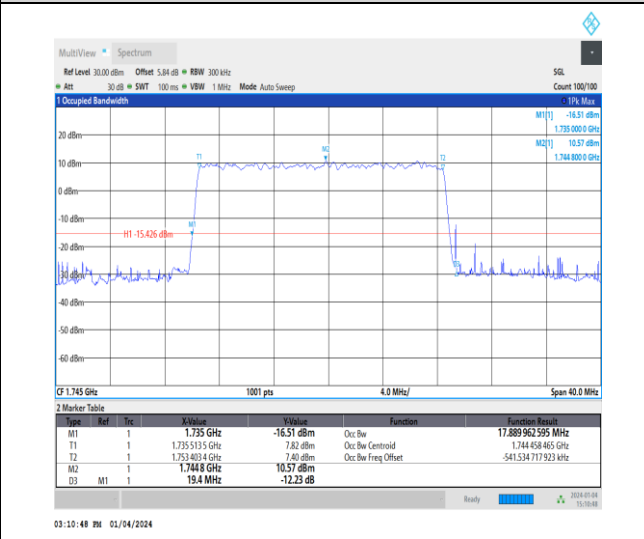
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1-N66-15-20-M-3-DFT-16QAM-Outer\_Full-100@0-Ant1-17.891-21.520-≤20-PASS



1-N66-15-20-M-4-DFT-64QAM-Outer\_Full-100@0-Ant1-17.897-18.920-≤20-PASS



1-N66-15-20-M-5-DFT-256QAM-Outer\_Full-100@0-Ant1-17.89-19.400-≤20-PASS

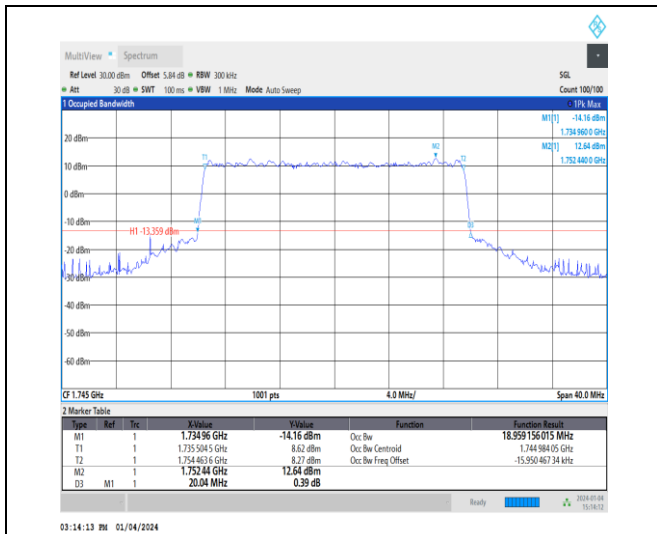


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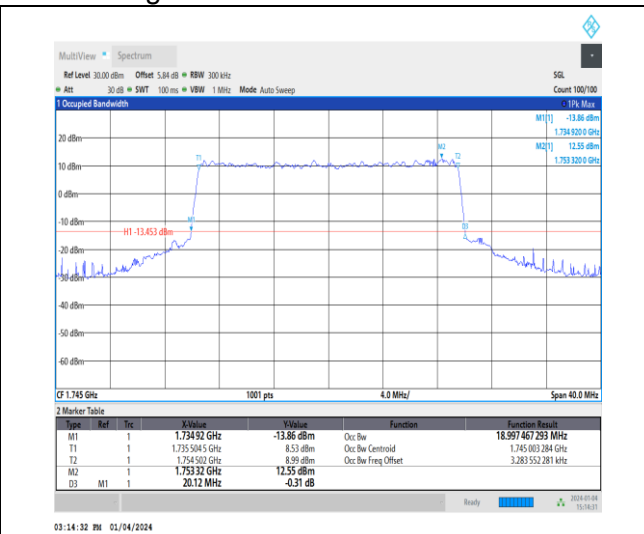
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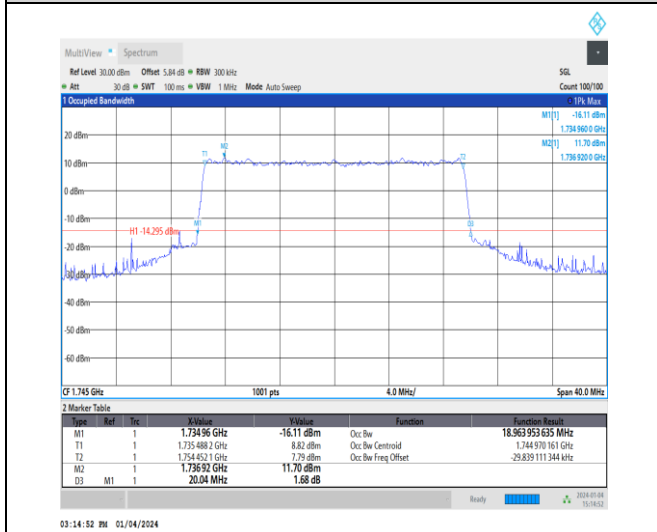




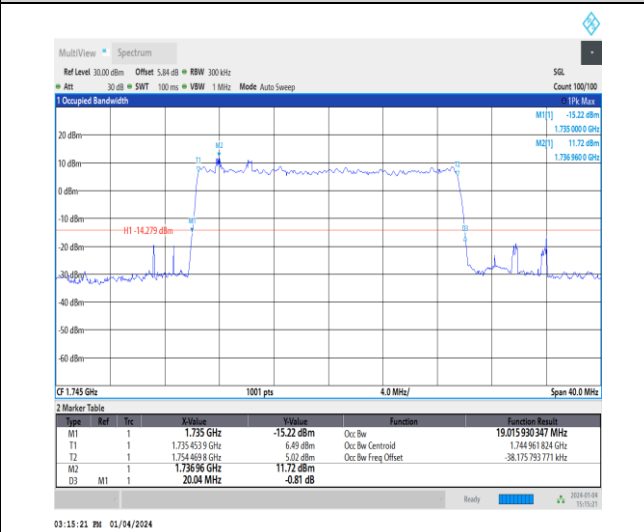
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-18.959-20.040-≤20-PASS



1-N66-15-20-M-7-CP-16QAM-Outer\_Full-106@0-Ant  
1-18.997-20.120-≤20-PASS



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1-18.964-20.040-≤20-PASS



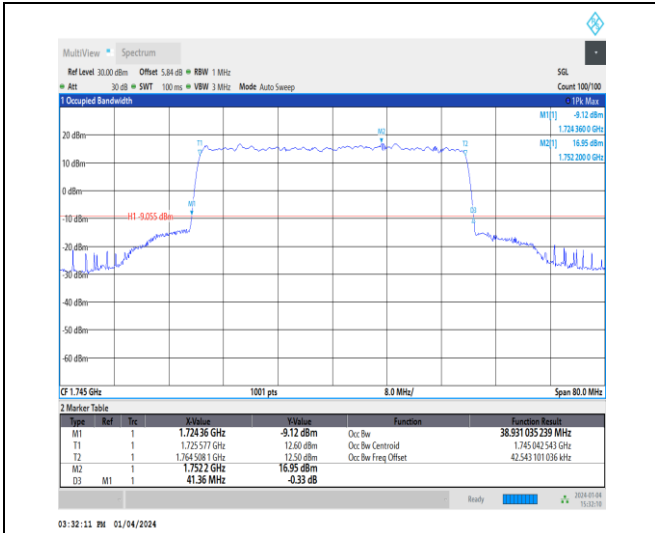
1-N66-15-20-M-9-CP-256QAM-Outer\_Full-106@0-A  
nt1-19.016-20.040-≤20-PASS



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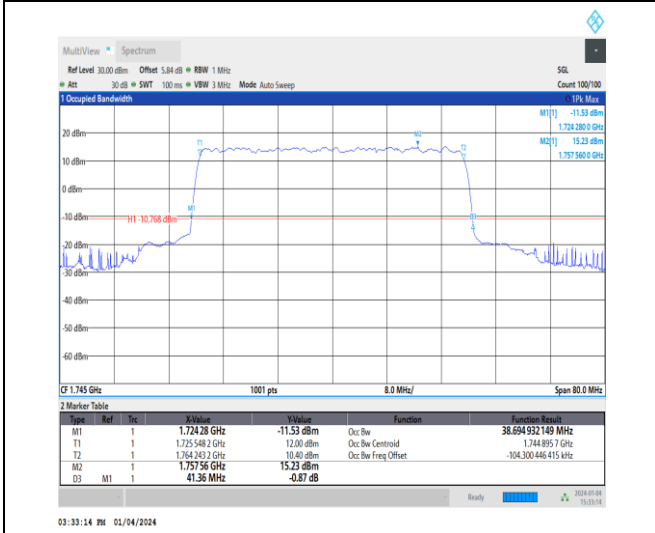
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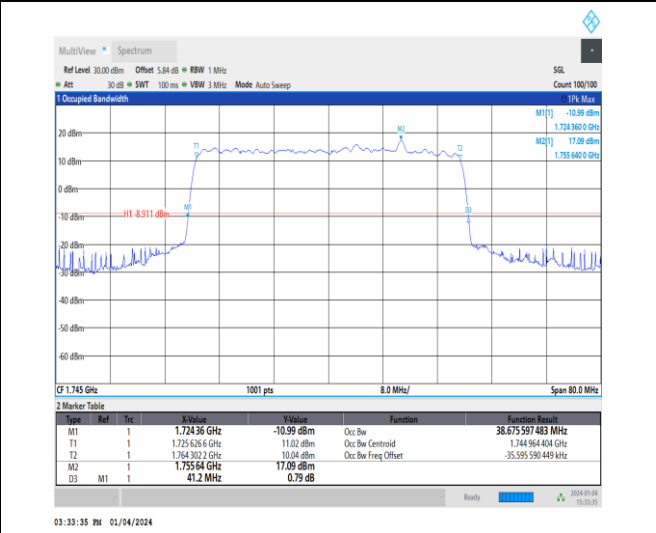
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1-38.931-41.360-≤40-PASS



1-N66-15-40-M-2-DFT-PI2BPSK-Outer\_Full-216@0-Ant  
1-38.625-41.280-≤40-PASS



1-N66-15-40-M-3-DFT-16QAM-Outer\_Full-216@0-Ant  
1-38.695-41.360-≤40-PASS



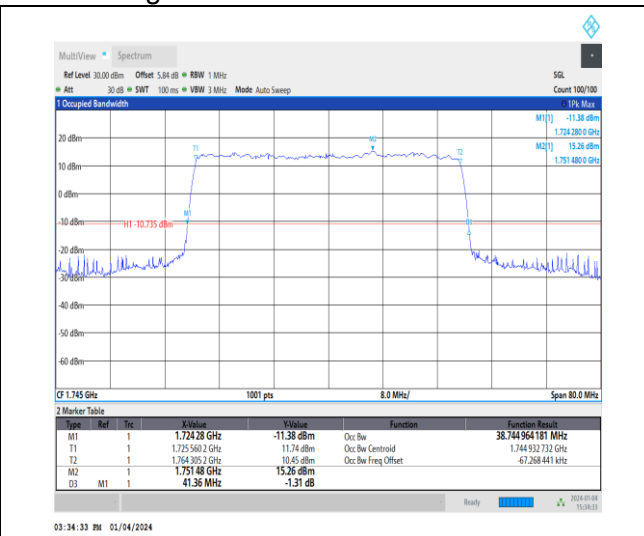
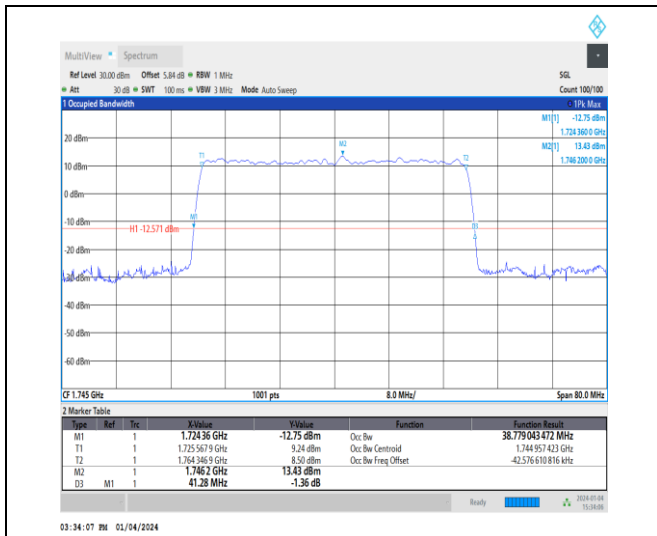
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1-38.676-41.200-≤40-PASS



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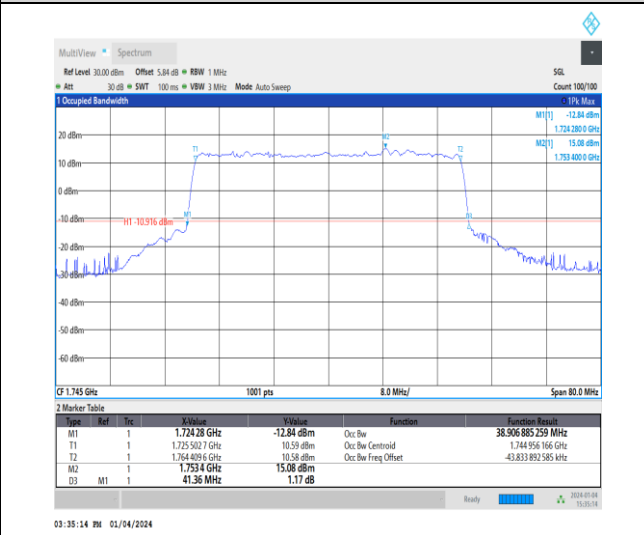
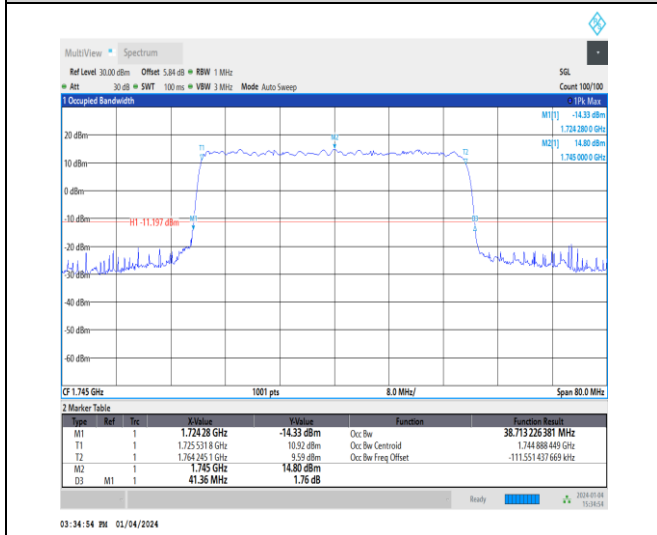
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1-N66-15-40-M-5-DFT-256QAM-Outer\_Full-216@0-Ant1-38.779-41.280-≤40-PASS

1-N66-15-40-M-6-CP-QPSK-Outer\_Full-216@0-Ant1-38.745-41.360-≤40-PASS



1-N66-15-40-M-7-CP-16QAM-Outer\_Full-216@0-Ant1-38.713-41.360-≤40-PASS

1-N66-15-40-M-8-CP-64QAM-Outer\_Full-216@0-Ant1-38.907-41.360-≤40-PASS



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1-N66-15-40-M-9-CP-256QAM-Outer\_Full-216@0-A  
nt1-38.699-41.040-≤40-PASS



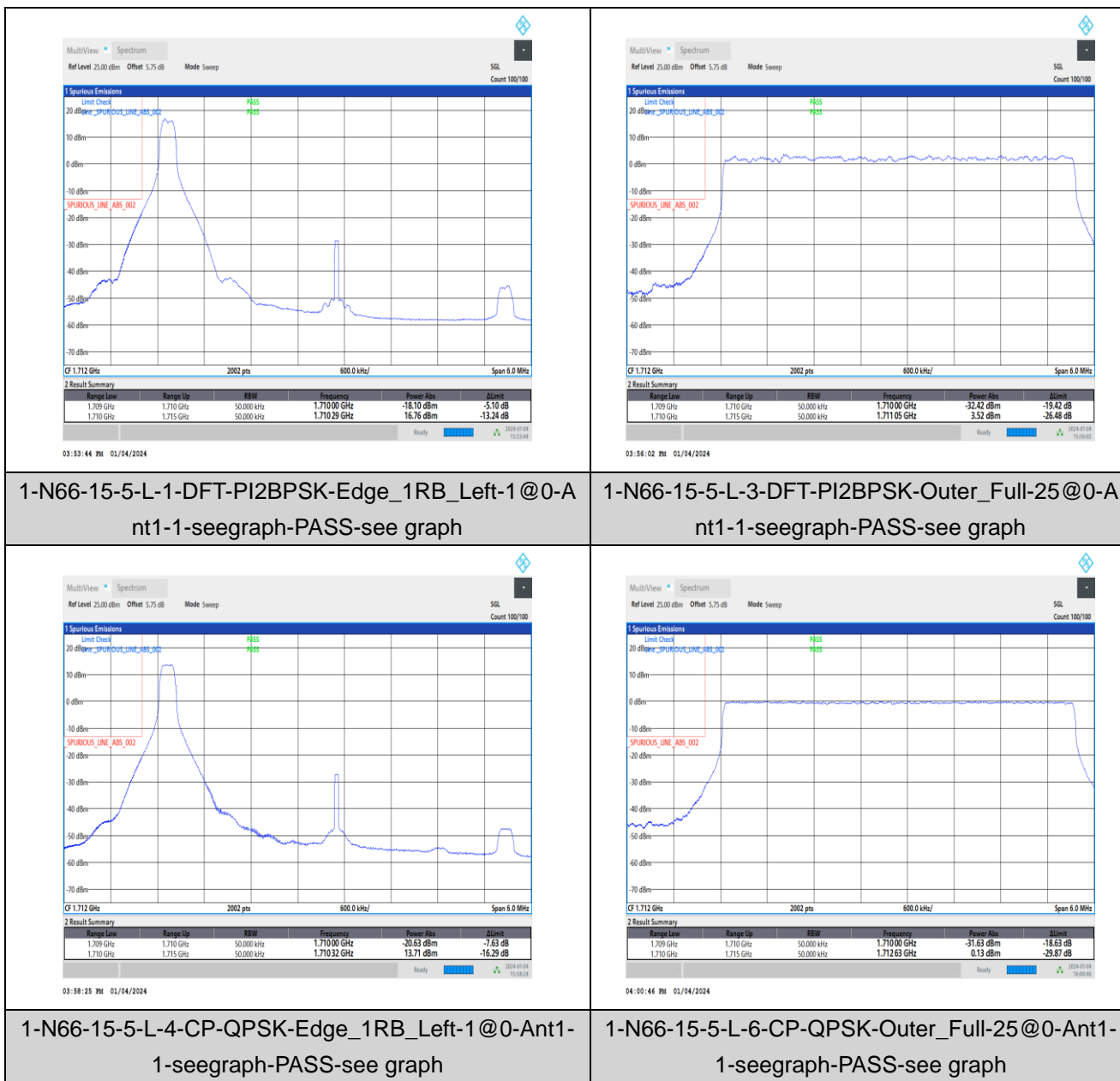
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## Band Edge for SA

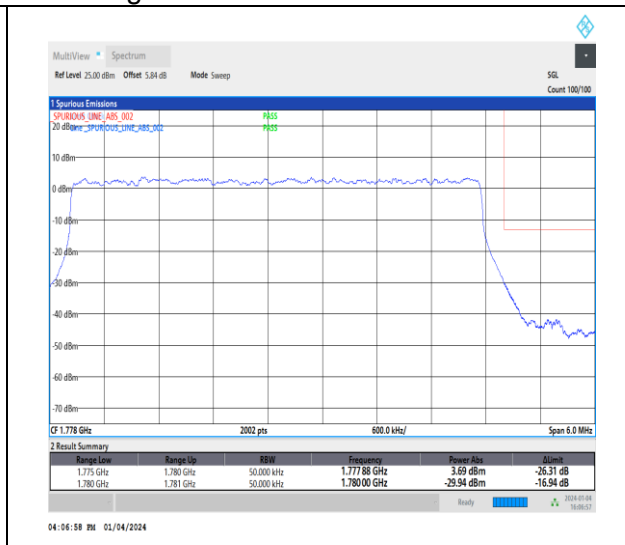
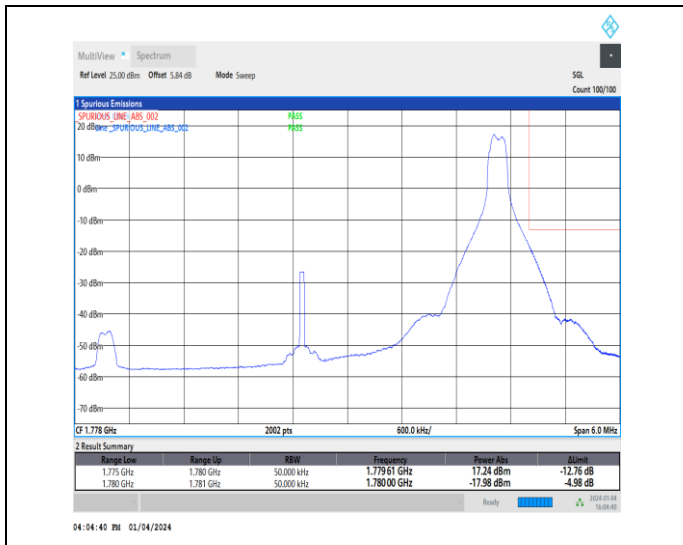
### Test Graphs



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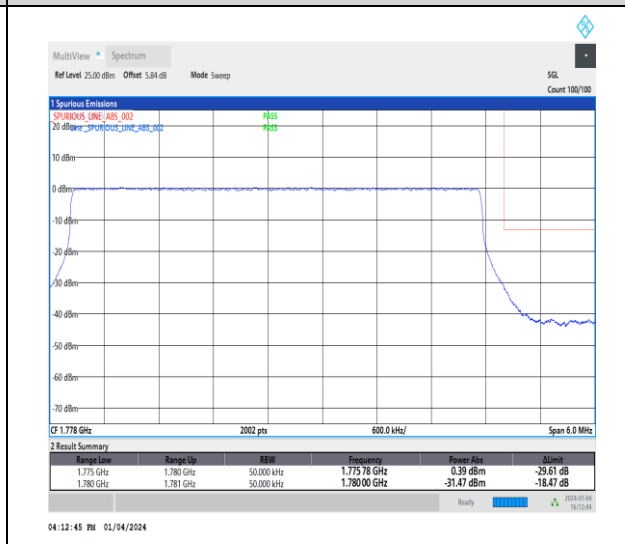
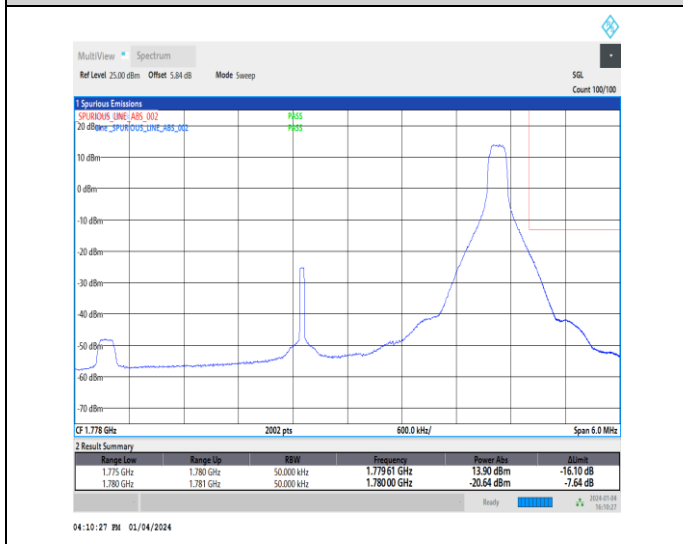
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1-N66-15-5-H-2-DFT-PI2BPSK-Edge\_1RB\_Right-1@2-4-Ant1-1-seegraph-PASS-see graph

1-N66-15-5-H-3-DFT-PI2BPSK-Outer\_Full-25@0-Ant1-1-seegraph-PASS-see graph



1-N66-15-5-H-5-CP-QPSK-Edge\_1RB\_Right-1@24-Ant1-1-seegraph-PASS-see graph

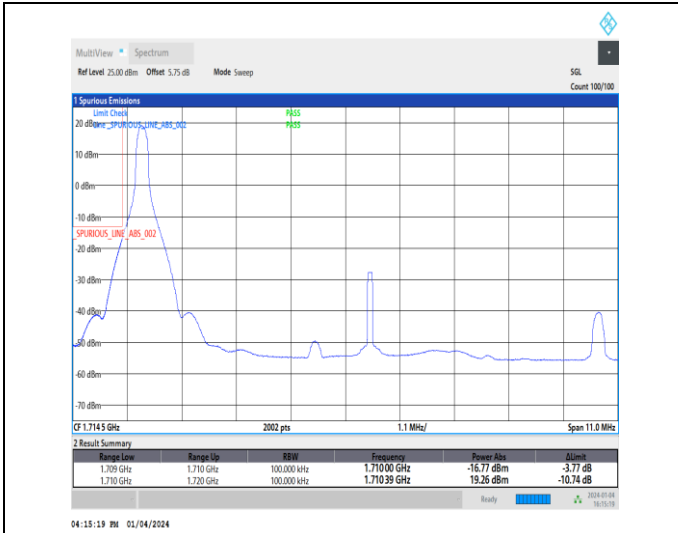
1-N66-15-5-H-6-CP-QPSK-Outer\_Full-25@0-Ant1-1-seegraph-PASS-see graph



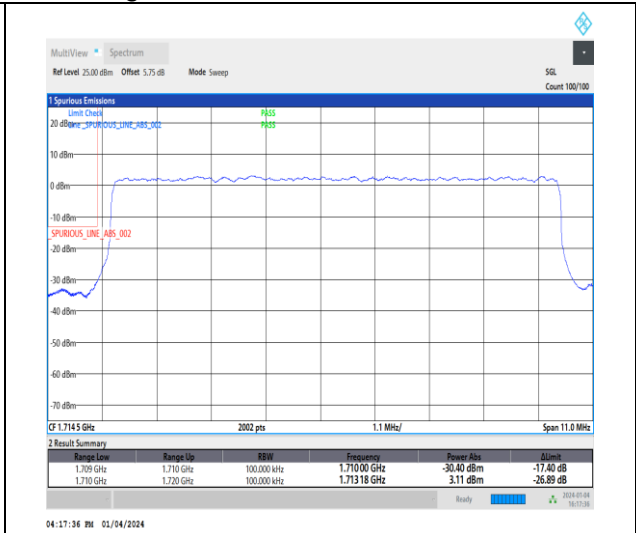
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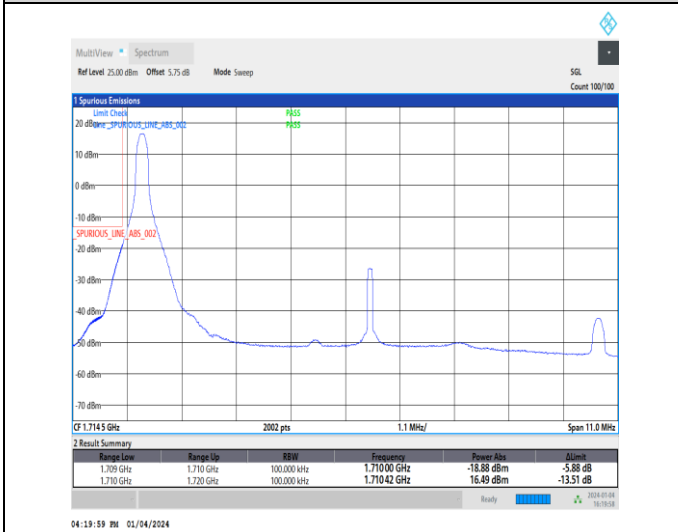
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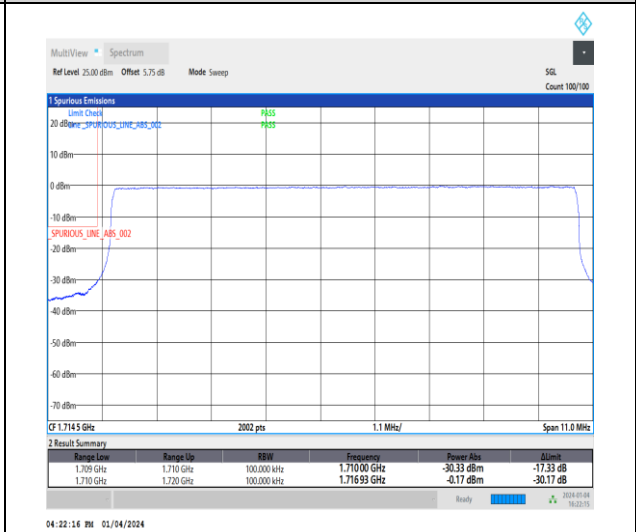
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1-N66-15-10-L-3-DFT-PI2BPSK-Outer\_Full-50@0-Ant1-1-seegraph-PASS-see graph



1-N66-15-10-L-4-CP-QPSK-Edge\_1RB\_Left-1@0-Ant1-1-seegraph-PASS-see graph



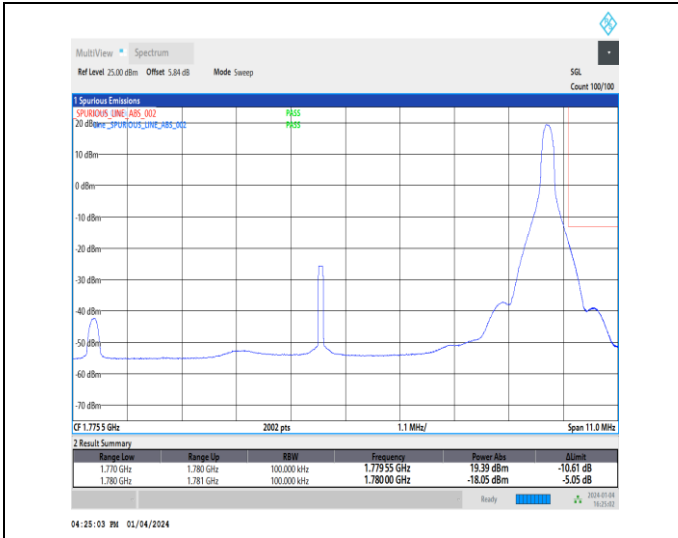
1-N66-15-10-L-6-CP-QPSK-Outer\_Full-52@0-Ant1-1-seegraph-PASS-see graph



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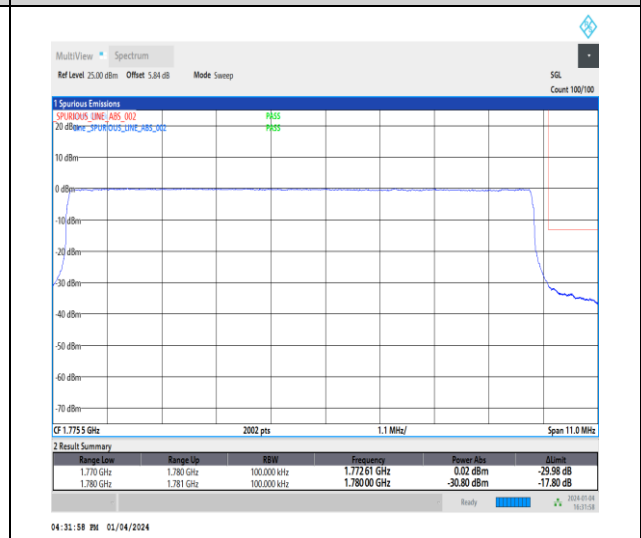
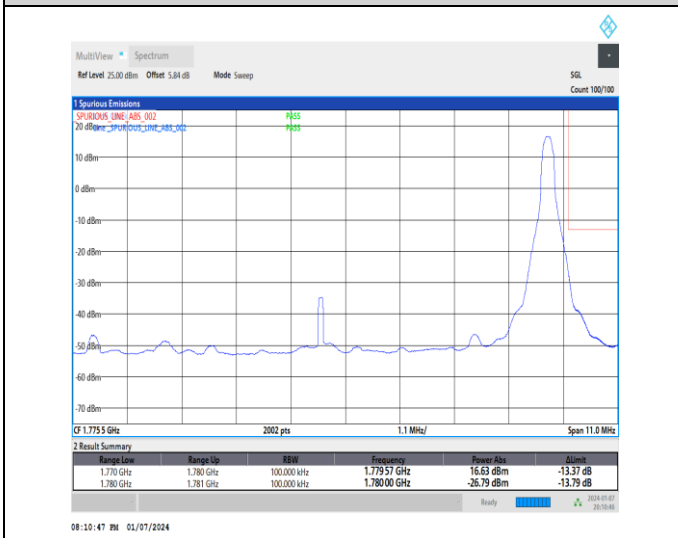
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1-N66-15-10-H-2-DFT-PI2BPSK-Edge\_1RB\_Right-1@51-Ant1-1-seegraph-PASS-see graph

1-N66-15-10-H-3-DFT-PI2BPSK-Outer\_Full-50@0-Ant1-1-seegraph-PASS-see graph



1-N66-15-10-H-5-CP-QPSK-Edge\_1RB\_Right-1@51-Ant1-1-seegraph-PASS-see graph

1-N66-15-10-H-6-CP-QPSK-Outer\_Full-52@0-Ant1-1-seegraph-PASS-see graph



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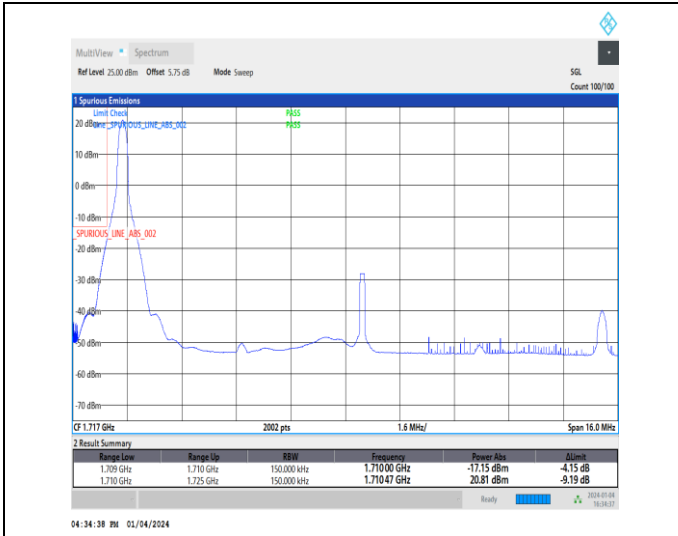
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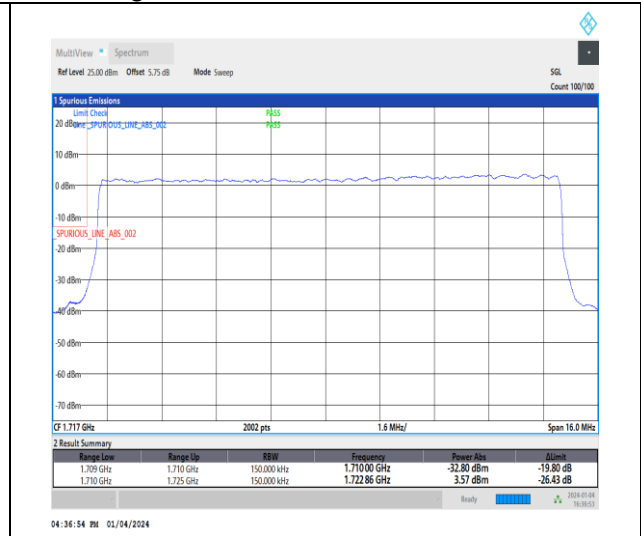
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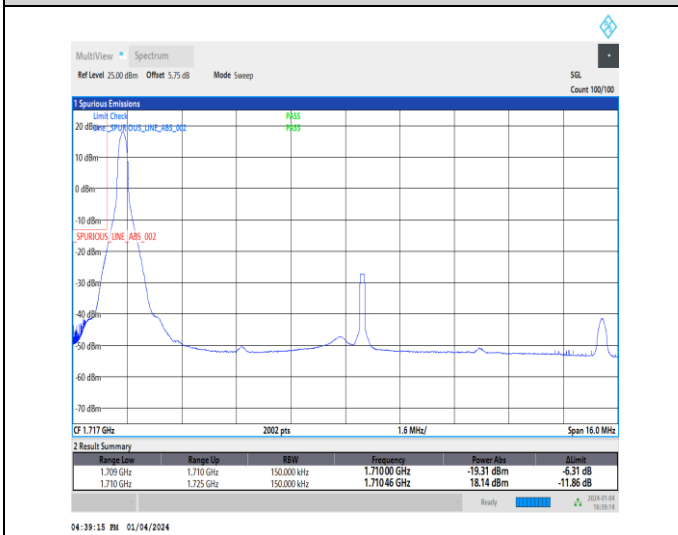




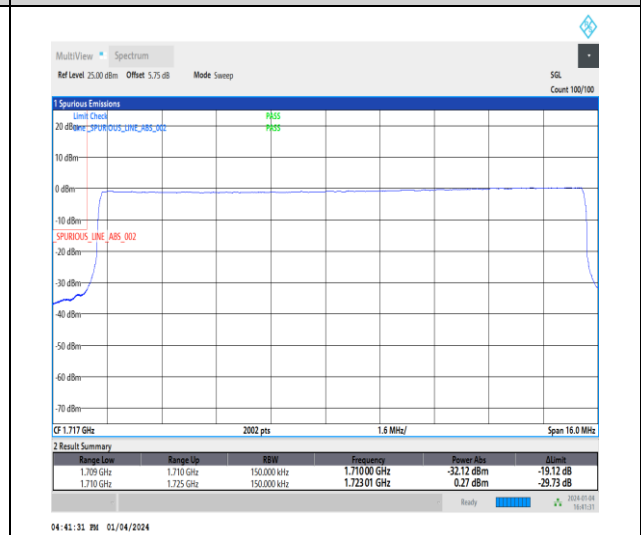
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1-N66-15-15-L-3-DFT-PI2BPSK-Outer\_Full-75@0-Ant1-1-seegraph-PASS-see graph



1-N66-15-15-L-4-CP-QPSK-Edge\_1RB\_Left-1@0-Ant1-1-seegraph-PASS-see graph



1-N66-15-15-L-6-CP-QPSK-Outer\_Full-79@0-Ant1-1-seegraph-PASS-see graph



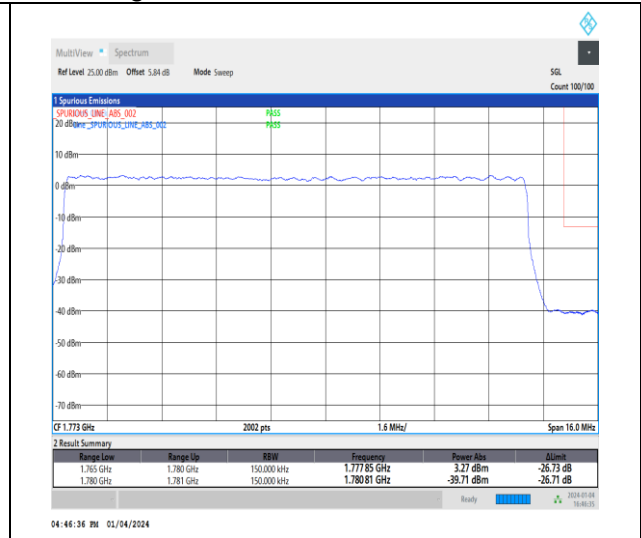
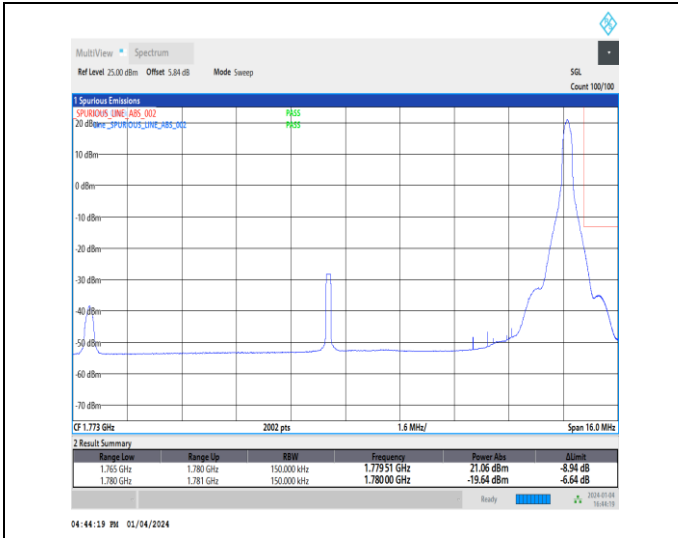
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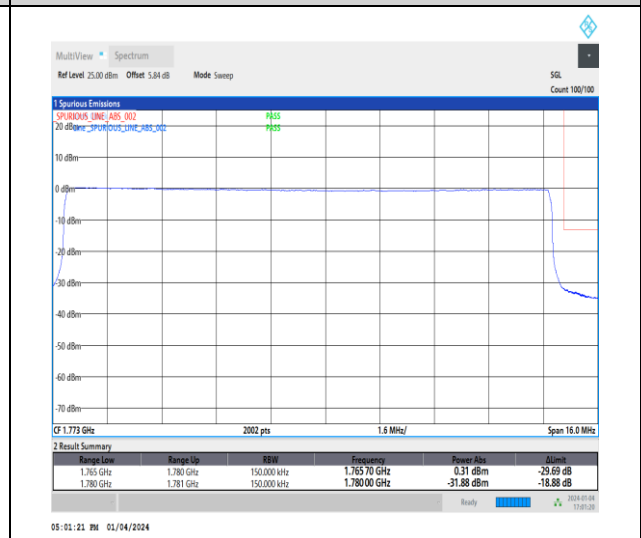
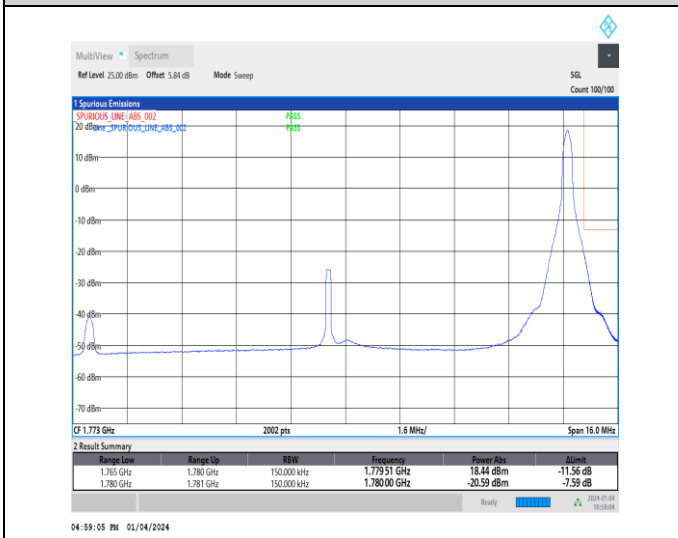
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1-N66-15-15-H-3-DFT-PI2BPSK-Outer\_Full-75@0-Ant1-1-seegraph-PASS-see graph



1-N66-15-15-H-5-CP-QPSK-Edge\_1RB\_Right-1@78-Ant1-1-seegraph-PASS-see graph

1-N66-15-15-H-6-CP-QPSK-Outer\_Full-79@0-Ant1-1-seegraph-PASS-see graph



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