

Report No.: SEWA2310000127RG02

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Appendix B.20

NR Band n25



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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
N25	15	5	DFT-QPSK	L	Inner_1RB_Left	23.1	25.03	33.00	PASS
N25	15	5	DFT-16QAM	L	Inner_1RB_Left	22.15	24.08	33.00	PASS
N25	15	5	DFT-QPSK	M	Inner_1RB_Left	23.27	25.2	33.00	PASS
N25	15	5	DFT-16QAM	M	Inner_1RB_Left	22.23	24.16	33.00	PASS
N25	15	5	DFT-QPSK	H	Inner_1RB_Left	23.22	25.15	33.00	PASS
N25	15	5	DFT-16QAM	H	Inner_1RB_Left	22.17	24.1	33.00	PASS
N25	15	10	DFT-QPSK	L	Inner_1RB_Left	23.13	25.06	33.00	PASS
N25	15	10	DFT-16QAM	L	Inner_1RB_Left	22.22	24.15	33.00	PASS
N25	15	10	DFT-QPSK	M	Inner_1RB_Left	23.33	25.26	33.00	PASS
N25	15	10	DFT-16QAM	M	Inner_1RB_Left	22.31	24.24	33.00	PASS
N25	15	10	DFT-QPSK	H	Inner_1RB_Left	23.22	25.15	33.00	PASS
N25	15	10	DFT-16QAM	H	Inner_1RB_Left	22.29	24.22	33.00	PASS
N25	15	15	DFT-QPSK	L	Inner_1RB_Left	23.28	25.21	33.00	PASS
N25	15	15	DFT-16QAM	L	Inner_1RB_Left	22.29	24.22	33.00	PASS
N25	15	15	DFT-QPSK	M	Inner_1RB_Left	23.45	25.38	33.00	PASS
N25	15	15	DFT-16QAM	M	Inner_1RB_Left	22.39	24.32	33.00	PASS
N25	15	15	DFT-QPSK	H	Inner_1RB_Left	23.29	25.22	33.00	PASS
N25	15	15	DFT-16QAM	H	Inner_1RB_Left	22.23	24.16	33.00	PASS
N25	15	20	DFT-QPSK	L	Inner_1RB_Left	23.34	25.27	33.00	PASS
N25	15	20	DFT-16QAM	L	Inner_1RB_Left	22.41	24.34	33.00	PASS
N25	15	20	DFT-QPSK	M	Inner_1RB_Left	23.44	25.37	33.00	PASS
N25	15	20	DFT-16QAM	M	Inner_1RB_Left	22.49	24.42	33.00	PASS
N25	15	20	DFT-QPSK	H	Inner_1RB_Left	23.2	25.13	33.00	PASS
N25	15	20	DFT-16QAM	H	Inner_1RB_Left	22.2	24.13	33.00	PASS
N25	15	25	DFT-QPSK	L	Inner_1RB_Left	23.55	25.48	33.00	PASS
N25	15	25	DFT-16QAM	L	Inner_1RB_Left	22.54	24.47	33.00	PASS
N25	15	25	DFT-QPSK	M	Inner_1RB_Left	23.48	25.41	33.00	PASS
N25	15	25	DFT-16QAM	M	Inner_1RB_Left	22.48	24.41	33.00	PASS
N25	15	25	DFT-QPSK	H	Inner_1RB_Left	23.52	25.45	33.00	PASS
N25	15	25	DFT-16QAM	H	Inner_1RB_Left	22.5	24.43	33.00	PASS



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



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N25	15	40	DFT-PI2BPSK	H	Inner_1RB_Right	23.61	25.54	33.00	PASS
N25	15	40	DFT-PI2BPSK	H	Outer_Full	22.86	24.79	33.00	PASS
N25	15	40	DFT-QPSK	H	Inner_1RB_Left	23.42	25.35	33.00	PASS
N25	15	40	DFT-QPSK	H	Inner_1RB_Right	23.56	25.49	33.00	PASS
N25	15	40	DFT-QPSK	H	Outer_Full	22.53	24.46	33.00	PASS
N25	15	40	DFT-16QAM	H	Inner_1RB_Left	22.56	24.49	33.00	PASS
N25	15	40	DFT-16QAM	H	Inner_1RB_Right	22.02	23.95	33.00	PASS
N25	15	40	DFT-16QAM	H	Outer_Full	21.57	23.5	33.00	PASS
N25	15	40	DFT-64QAM	H	Inner_1RB_Left	21.24	23.17	33.00	PASS
N25	15	40	DFT-64QAM	H	Inner_1RB_Right	21.25	23.18	33.00	PASS
N25	15	40	DFT-64QAM	H	Outer_Full	21.06	22.99	33.00	PASS
N25	15	40	DFT-256QAM	H	Inner_1RB_Left	18.41	20.34	33.00	PASS
N25	15	40	DFT-256QAM	H	Inner_1RB_Right	18.51	20.44	33.00	PASS
N25	15	40	DFT-256QAM	H	Outer_Full	18.96	20.89	33.00	PASS



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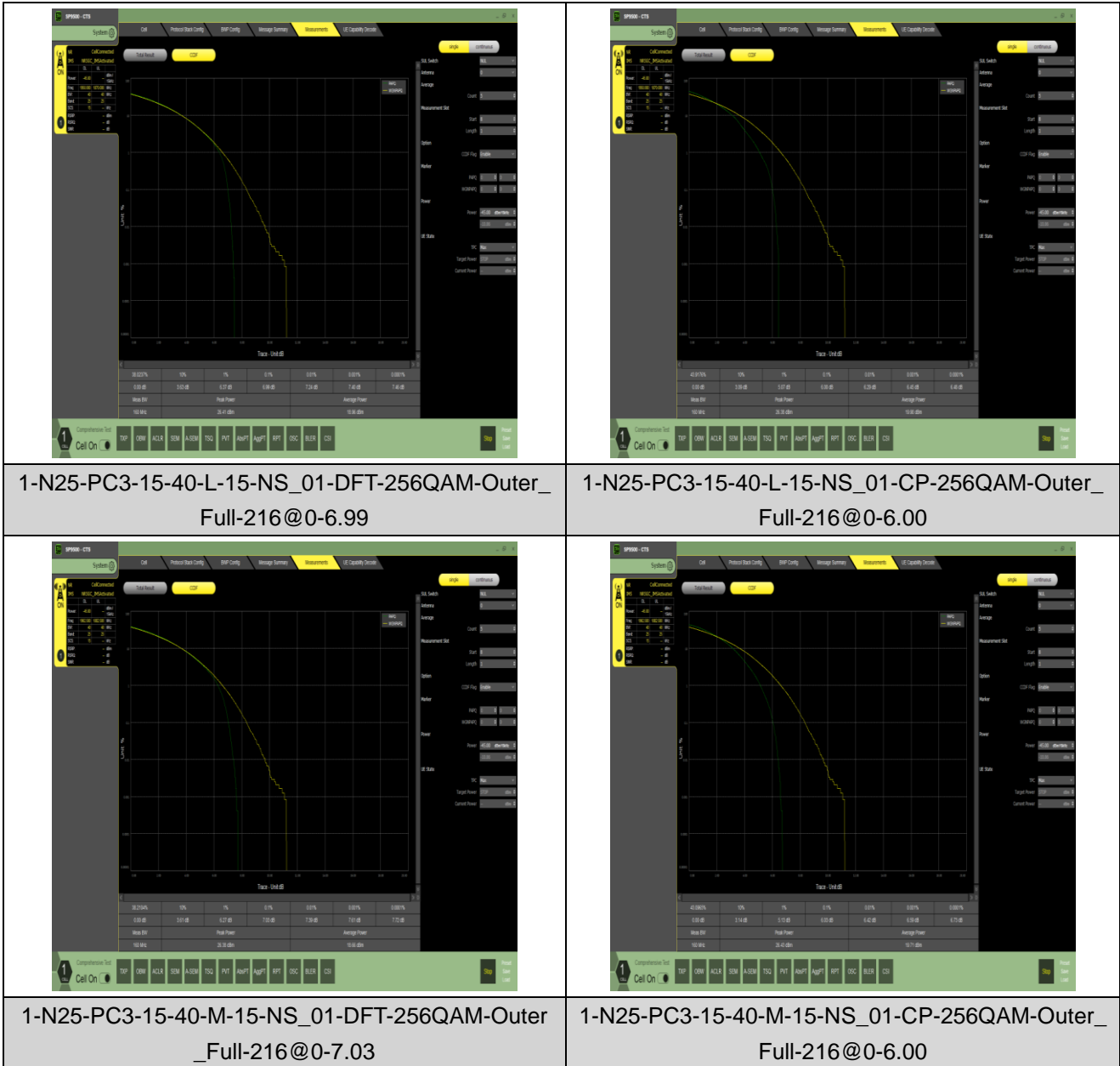
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Peak-to-Average Ratio for SA

Test Graphs



1-N25-PC3-15-40-L-15-NS_01-DFT-256QAM-Outer_ Full-216@0-6.99

1-N25-PC3-15-40-L-15-NS_01-CP-256QAM-Outer_ Full-216@0-6.00

1-N25-PC3-15-40-M-15-NS_01-DFT-256QAM-Outer_ Full-216@0-7.03

1-N25-PC3-15-40-M-15-NS_01-CP-256QAM-Outer_ Full-216@0-6.00



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1-N25-PC3-15-40-H-15-NS_01-DFT-256QAM-Outer_
Full-216@0-7.27



1-N25-PC3-15-40-H-15-NS_01-CP-256QAM-Outer_
Full-216@0-6.15



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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
N25	15	5	DFT-QPSK	M	Outer_Full	4.49	4.950	PASS
N25	15	5	DFT-PI2BPSK	M	Outer_Full	4.499	4.980	PASS
N25	15	5	DFT-16QAM	M	Outer_Full	4.519	4.990	PASS
N25	15	5	DFT-64QAM	M	Outer_Full	4.503	5.020	PASS
N25	15	5	DFT-256QAM	M	Outer_Full	4.485	5.010	PASS
N25	15	5	CP-QPSK	M	Outer_Full	4.5	5.080	PASS
N25	15	5	CP-16QAM	M	Outer_Full	4.505	5.050	PASS
N25	15	5	CP-64QAM	M	Outer_Full	4.51	5.070	PASS
N25	15	5	CP-256QAM	M	Outer_Full	4.497	4.970	PASS
N25	15	10	DFT-QPSK	M	Outer_Full	8.912	9.500	PASS
N25	15	10	DFT-PI2BPSK	M	Outer_Full	8.899	9.500	PASS
N25	15	10	DFT-16QAM	M	Outer_Full	8.944	9.540	PASS
N25	15	10	DFT-64QAM	M	Outer_Full	8.926	9.520	PASS
N25	15	10	DFT-256QAM	M	Outer_Full	8.923	9.580	PASS
N25	15	10	CP-QPSK	M	Outer_Full	9.286	10.060	PASS
N25	15	10	CP-16QAM	M	Outer_Full	9.28	9.980	PASS
N25	15	10	CP-64QAM	M	Outer_Full	9.273	9.980	PASS
N25	15	10	CP-256QAM	M	Outer_Full	9.287	9.880	PASS
N25	15	15	DFT-QPSK	M	Outer_Full	13.466	14.490	PASS
N25	15	15	DFT-PI2BPSK	M	Outer_Full	13.443	15.990	PASS
N25	15	15	DFT-16QAM	M	Outer_Full	13.514	14.850	PASS
N25	15	15	DFT-64QAM	M	Outer_Full	13.43	15.000	PASS
N25	15	15	DFT-256QAM	M	Outer_Full	13.475	14.460	PASS
N25	15	15	CP-QPSK	M	Outer_Full	14.15	19.470	PASS
N25	15	15	CP-16QAM	M	Outer_Full	14.166	16.530	PASS
N25	15	15	CP-64QAM	M	Outer_Full	14.185	15.210	PASS
N25	15	15	CP-256QAM	M	Outer_Full	14.182	15.120	PASS
N25	15	20	DFT-QPSK	M	Outer_Full	17.855	20.520	PASS
N25	15	20	DFT-PI2BPSK	M	Outer_Full	17.878	18.960	PASS
N25	15	20	DFT-16QAM	M	Outer_Full	17.865	18.960	PASS



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N25	15	20	DFT-256QAM	M	Outer_Full	17.862	18.920	PASS
N25	15	20	CP-QPSK	M	Outer_Full	18.898	20.040	PASS
N25	15	20	CP-16QAM	M	Outer_Full	18.951	21.280	PASS
N25	15	20	CP-64QAM	M	Outer_Full	18.921	21.800	PASS
N25	15	20	CP-256QAM	M	Outer_Full	18.995	20.120	PASS
N25	15	25	DFT-QPSK	M	Outer_Full	22.895	23.950	PASS
N25	15	25	DFT-P12BPSK	M	Outer_Full	22.866	24.000	PASS
N25	15	25	DFT-16QAM	M	Outer_Full	22.887	24.800	PASS
N25	15	25	DFT-64QAM	M	Outer_Full	22.856	23.950	PASS
N25	15	25	DFT-256QAM	M	Outer_Full	22.829	23.950	PASS
N25	15	25	CP-QPSK	M	Outer_Full	23.72	24.950	PASS
N25	15	25	CP-16QAM	M	Outer_Full	23.729	24.950	PASS
N25	15	25	CP-64QAM	M	Outer_Full	23.698	24.900	PASS
N25	15	25	CP-256QAM	M	Outer_Full	23.722	24.900	PASS
N25	15	30	DFT-QPSK	M	Outer_Full	28.515	29.700	PASS
N25	15	30	DFT-P12BPSK	M	Outer_Full	28.563	29.760	PASS
N25	15	30	DFT-16QAM	M	Outer_Full	28.523	29.640	PASS
N25	15	30	DFT-64QAM	M	Outer_Full	28.522	29.820	PASS
N25	15	30	DFT-256QAM	M	Outer_Full	28.497	29.760	PASS
N25	15	30	CP-QPSK	M	Outer_Full	28.507	29.760	PASS
N25	15	30	CP-16QAM	M	Outer_Full	28.573	29.820	PASS
N25	15	30	CP-64QAM	M	Outer_Full	28.506	29.820	PASS
N25	15	30	CP-256QAM	M	Outer_Full	28.524	29.820	PASS
N25	15	40	DFT-QPSK	M	Outer_Full	38.889	41.360	PASS
N25	15	40	DFT-P12BPSK	M	Outer_Full	38.654	41.280	PASS
N25	15	40	DFT-16QAM	M	Outer_Full	38.723	41.360	PASS
N25	15	40	DFT-64QAM	M	Outer_Full	38.647	41.120	PASS
N25	15	40	DFT-256QAM	M	Outer_Full	38.775	41.280	PASS
N25	15	40	CP-QPSK	M	Outer_Full	38.75	41.280	PASS
N25	15	40	CP-16QAM	M	Outer_Full	38.658	41.280	PASS
N25	15	40	CP-64QAM	M	Outer_Full	38.856	41.280	PASS
N25	15	40	CP-256QAM	M	Outer_Full	38.676	41.360	PASS



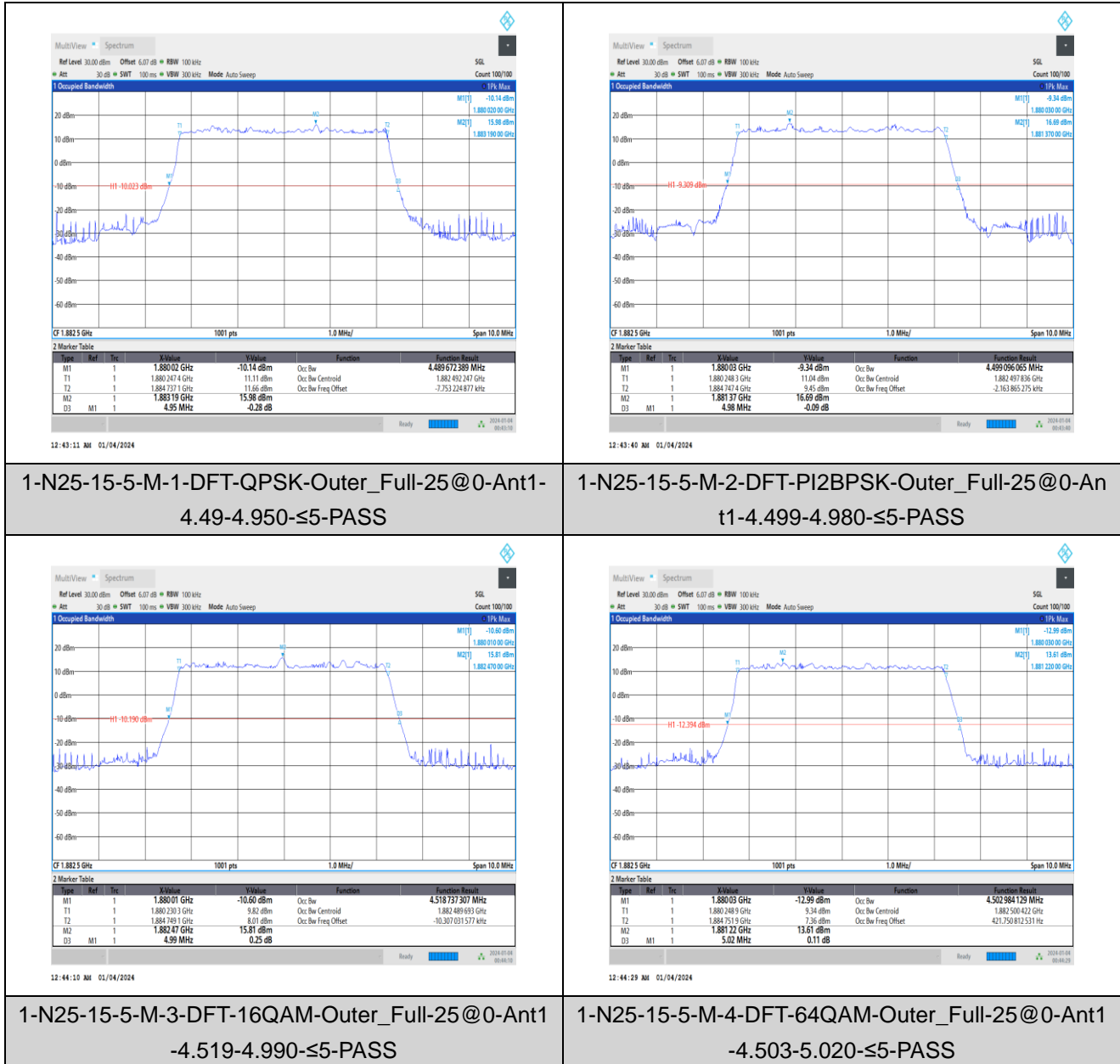
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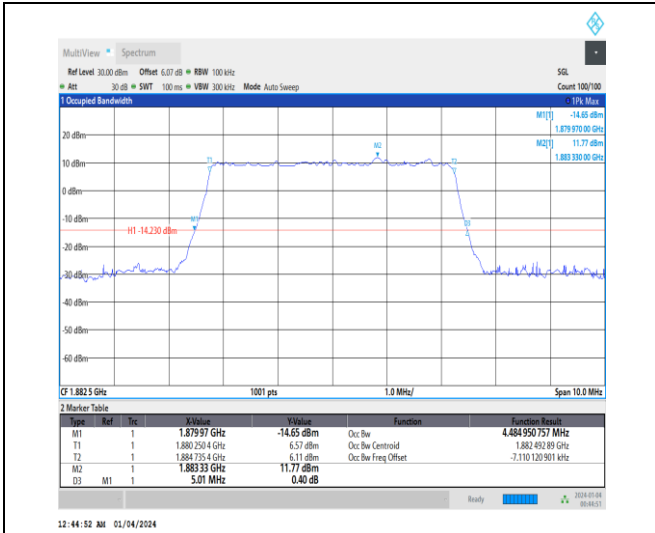
Test Graphs



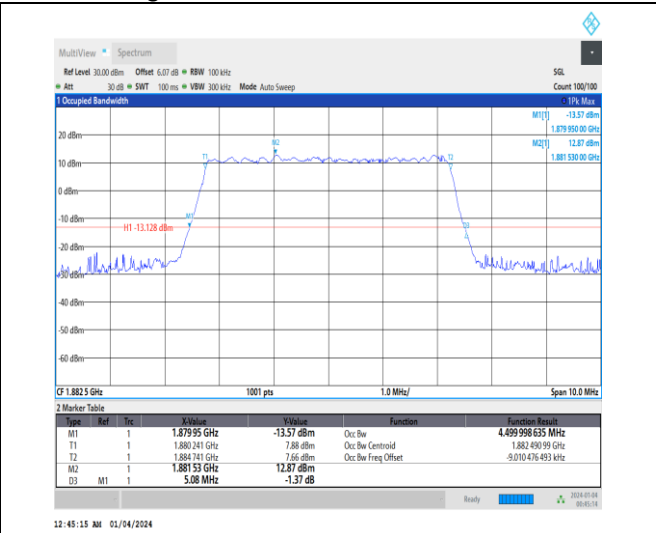
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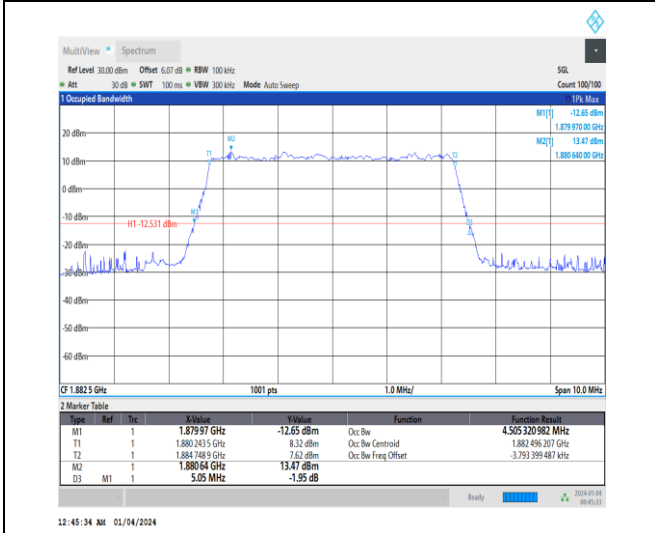
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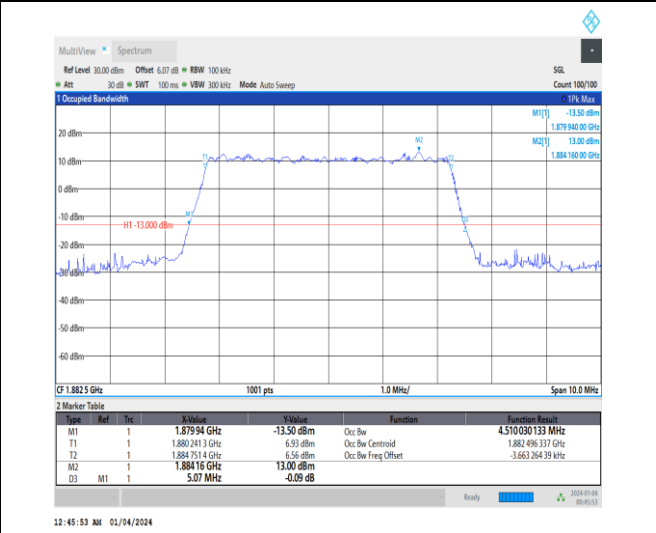
1-N25-15-5-M-5-DFT-256QAM-Outer_Full-25@0-Ant
1-4.485-5.010-≤5-PASS



1-N25-15-5-M-6-CP-QPSK-Outer_Full-25@0-Ant1-4.
5-5.080-≤5-PASS



1-N25-15-5-M-7-CP-16QAM-Outer_Full-25@0-Ant1-
4.505-5.050-≤5-PASS



1-N25-15-5-M-8-CP-64QAM-Outer_Full-25@0-Ant1-
4.51-5.070-≤5-PASS



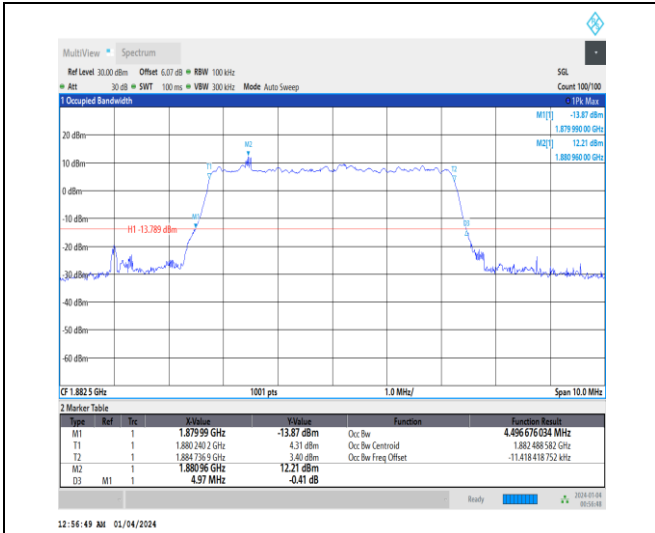
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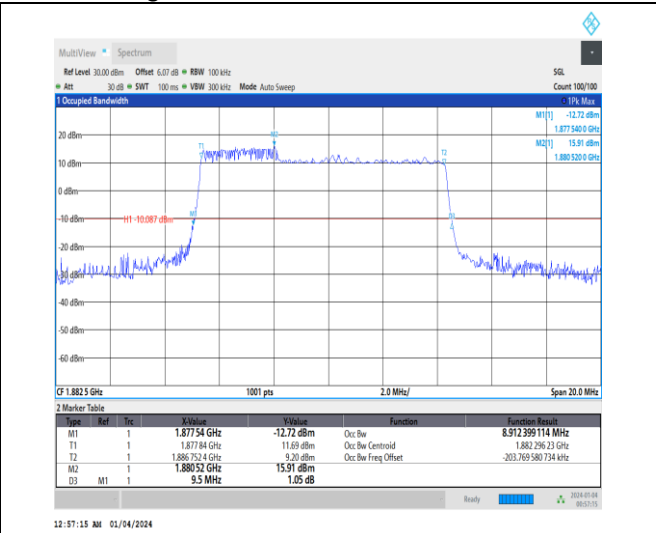
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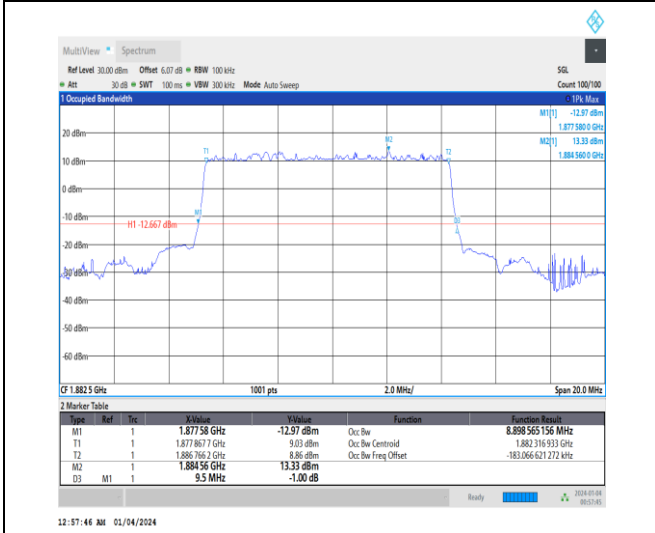
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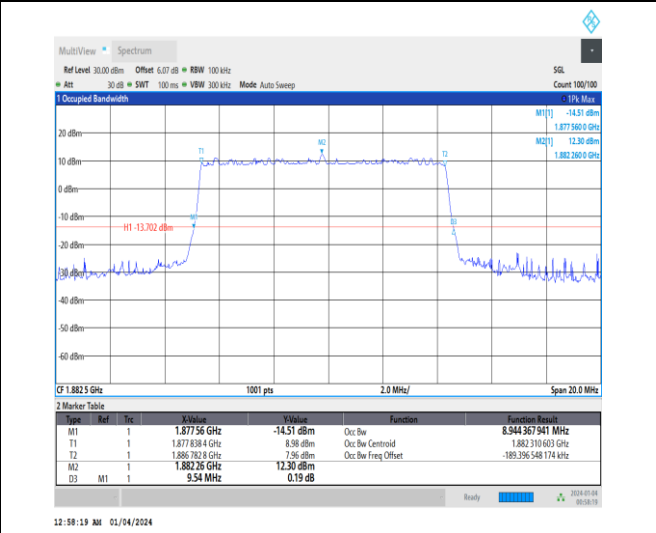
1-N25-15-5-M-9-CP-256QAM-Outer_Full-25@0-Ant1
-4.497-4.970-≤5-PASS



1-N25-15-10-M-1-DFT-QPSK-Outer_Full-50@0-Ant1
-8.912-9.500-≤10-PASS



1-N25-15-10-M-2-DFT-PI2BPSK-Outer_Full-50@0-Ant1
-8.899-9.500-≤10-PASS



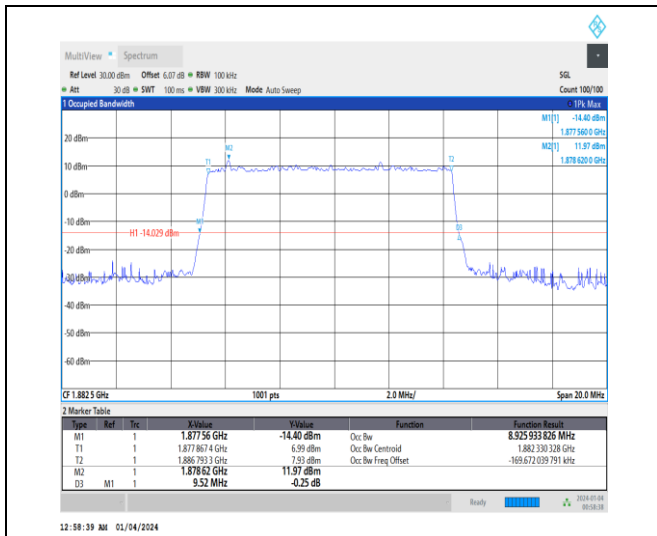
1-N25-15-10-M-3-DFT-16QAM-Outer_Full-50@0-Ant1
-8.944-9.540-≤10-PASS



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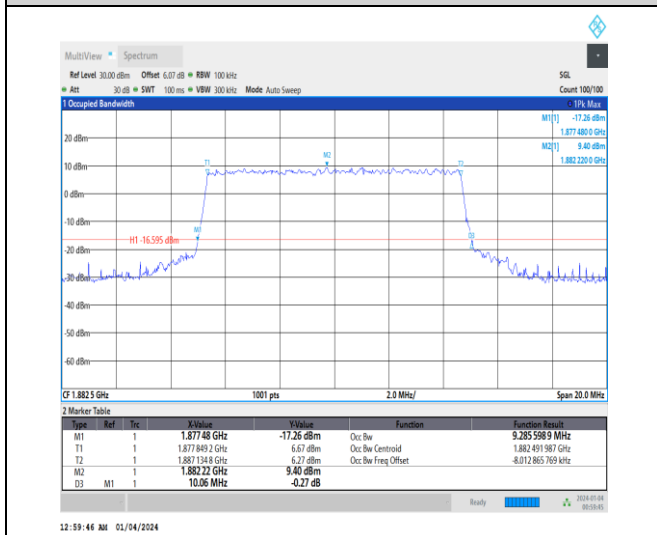
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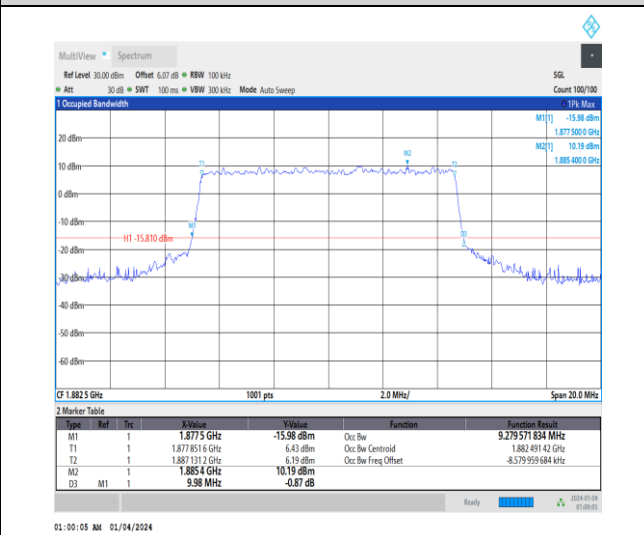
1-N25-15-10-M-4-DFT-64QAM-Outer_Full-50@0-Ant
1-8.926-9.520-≤10-PASS



1-N25-15-10-M-5-DFT-256QAM-Outer_Full-50@0-A
nt1-8.923-9.580-≤10-PASS



1-N25-15-10-M-6-CP-QPSK-Outer_Full-52@0-Ant1
9.286-10.060-≤10-PASS



1-N25-15-10-M-7-CP-16QAM-Outer_Full-52@0-Ant1
-9.28-9.980-≤10-PASS



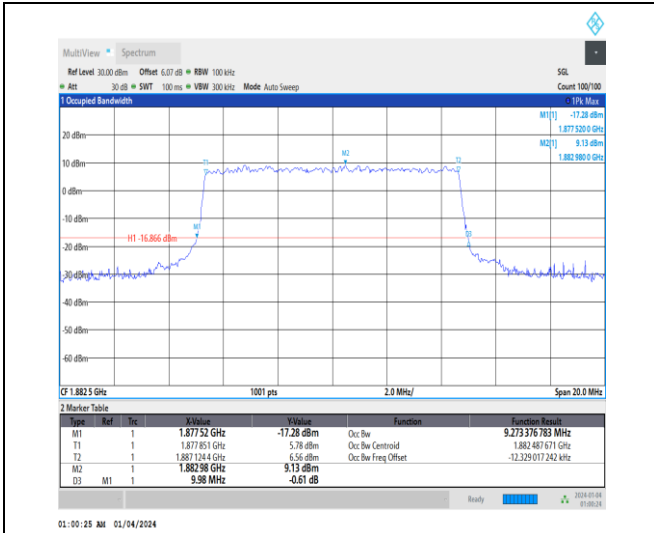
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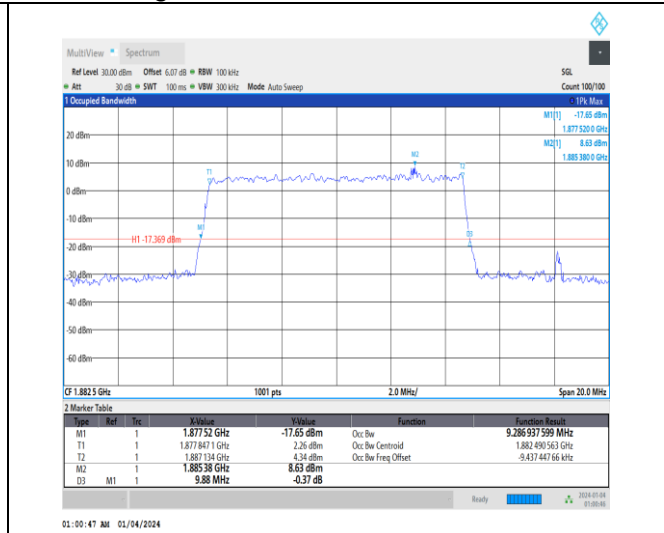
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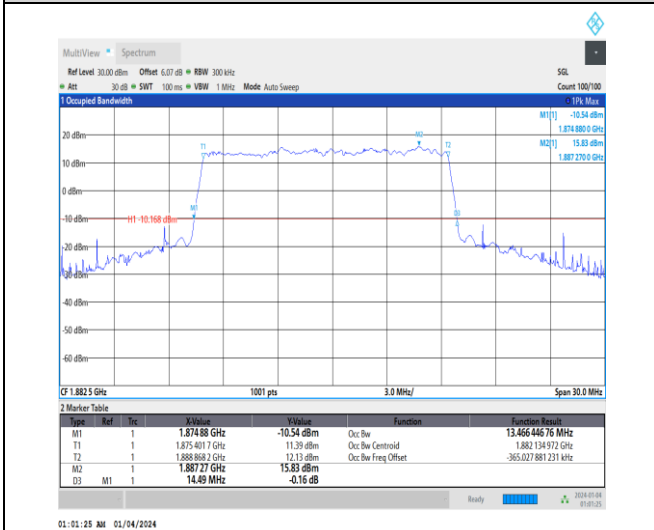
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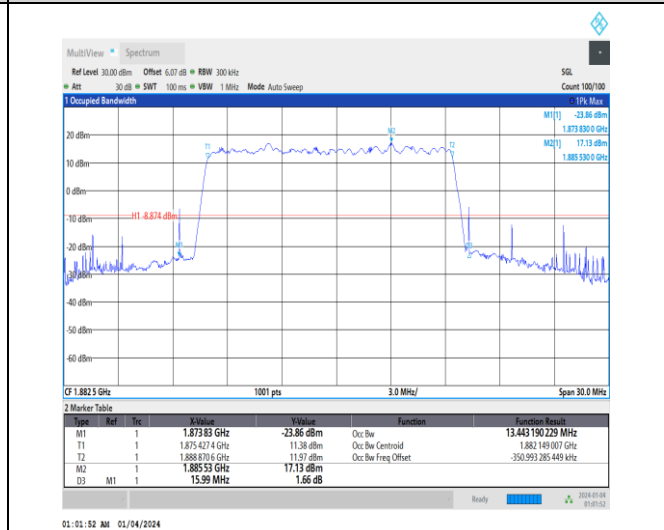
1-N25-15-10-M-8-CP-64QAM-Outer_Full-52@0-Ant1
-9.273-9.980-≤10-PASS



1-N25-15-10-M-9-CP-256QAM-Outer_Full-52@0-Ant
1-9.287-9.880-≤10-PASS



1-N25-15-15-M-1-DFT-QPSK-Outer_Full-75@0-Ant1
-13.466-14.490-≤15-PASS



1-N25-15-15-M-2-DFT-PI2BPSK-Outer_Full-75@0-Ant1
-13.443-15.990-≤15-PASS

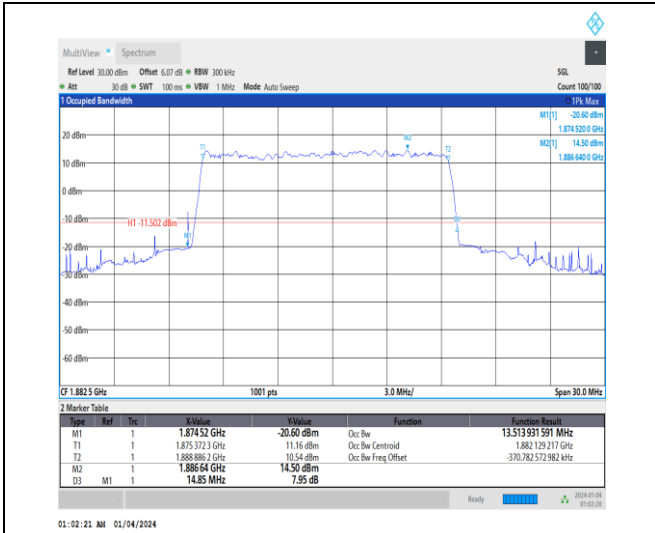


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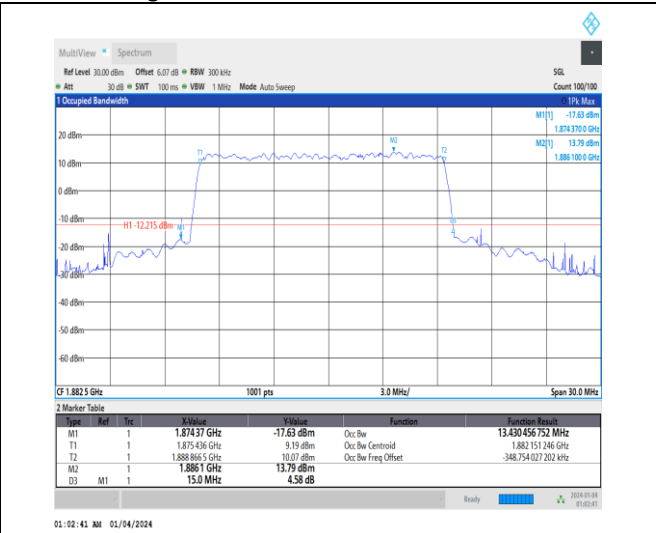
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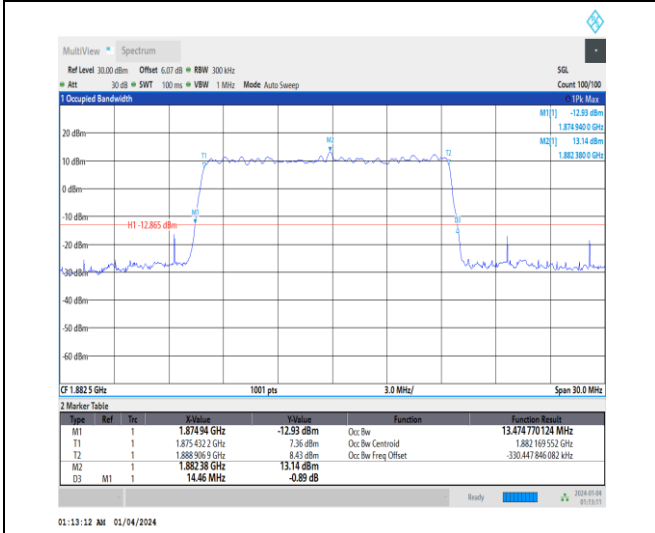
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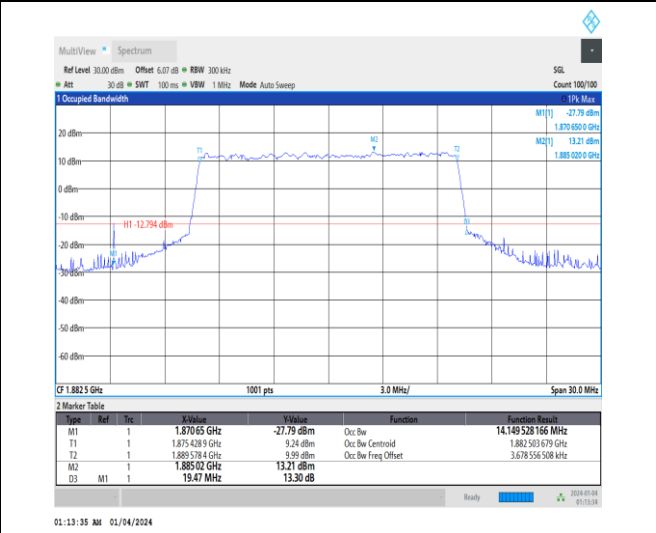
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1-13.514-14.850-≤15-PASS



1-N25-15-15-M-4-DFT-64QAM-Outer_Full-75@0-Ant
1-13.43-15.000-≤15-PASS



1-N25-15-15-M-5-DFT-256QAM-Outer_Full-75@0-A
nt1-13.475-14.460-≤15-PASS



1-N25-15-15-M-6-CP-QPSK-Outer_Full-79@0-Ant1
14.15-19.470-≤15-PASS

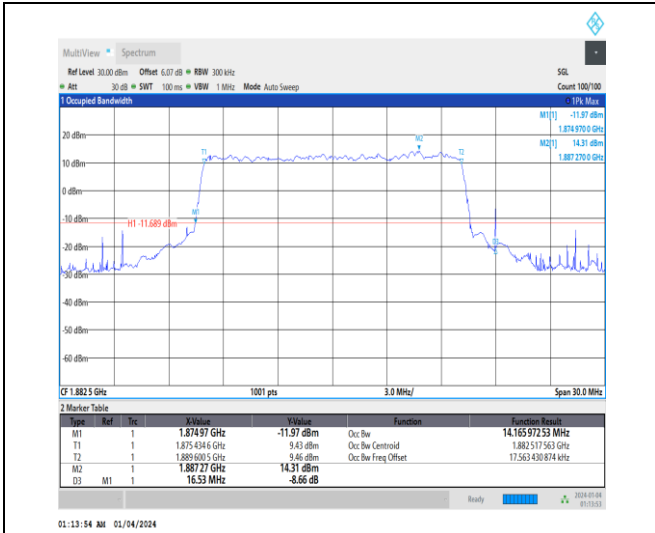


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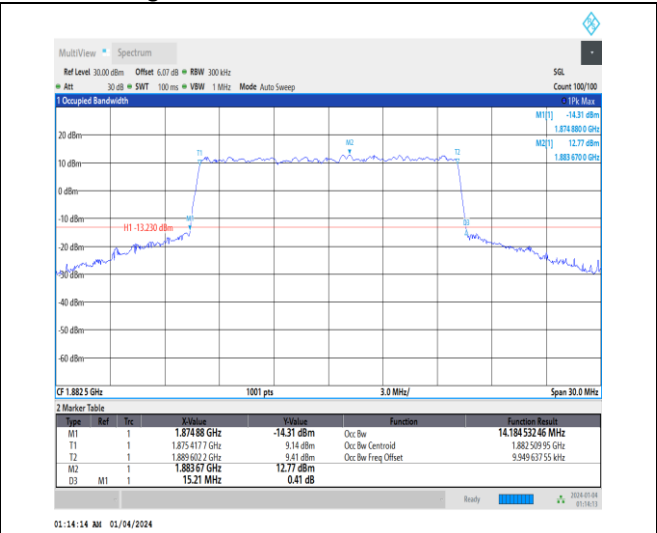
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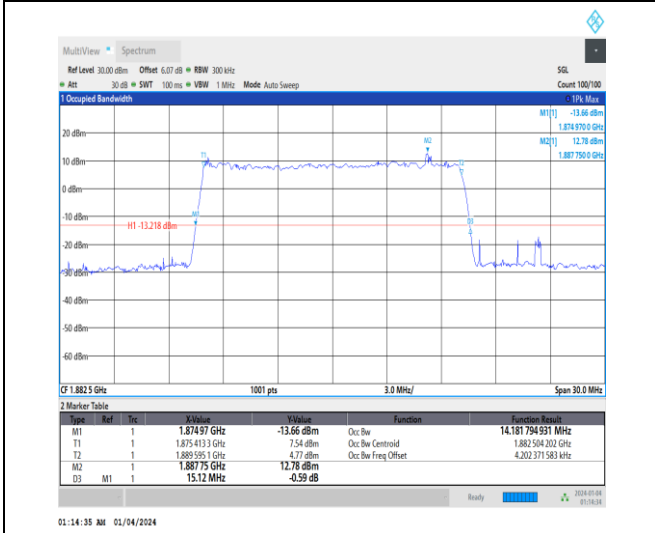
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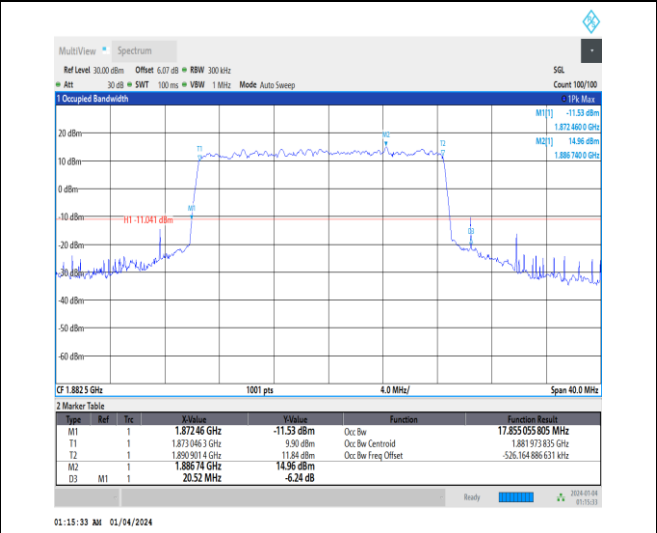
1-N25-15-15-M-7-CP-16QAM-Outer_Full-79@0-Ant1
-14.166-16.530≤15-PASS



1-N25-15-15-M-8-CP-64QAM-Outer_Full-79@0-Ant1
-14.185-15.210≤15-PASS



1-N25-15-15-M-9-CP-256QAM-Outer_Full-79@0-Ant
1-14.182-15.120≤15-PASS



1-N25-15-20-M-1-DFT-QPSK-Outer_Full-100@0-Ant
1-17.855-20.520≤20-PASS

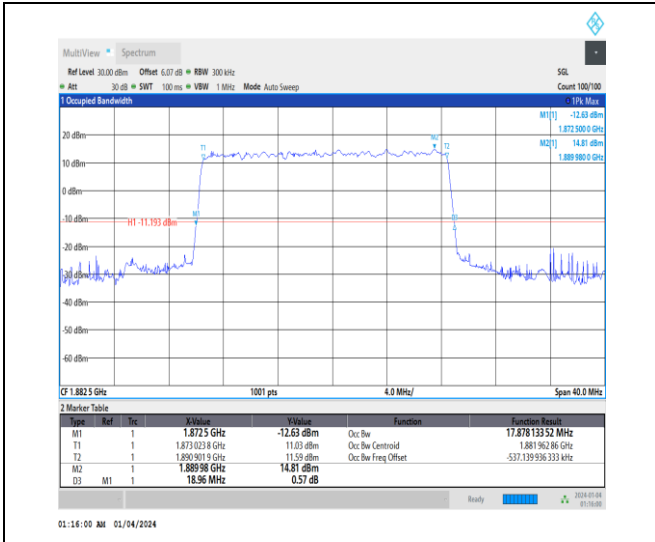


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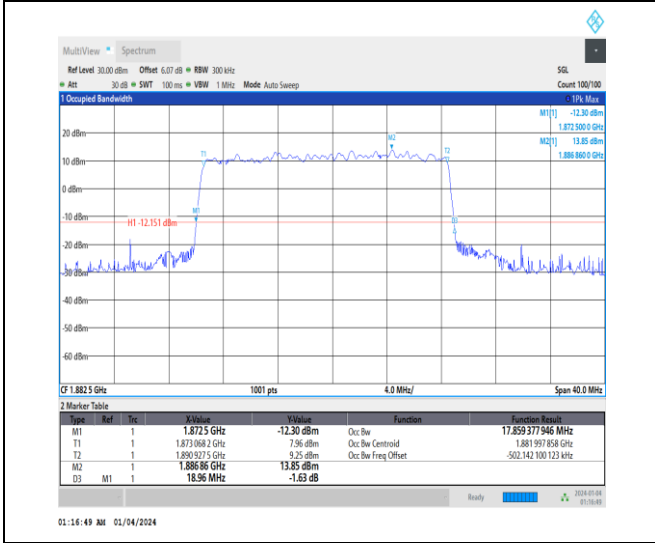
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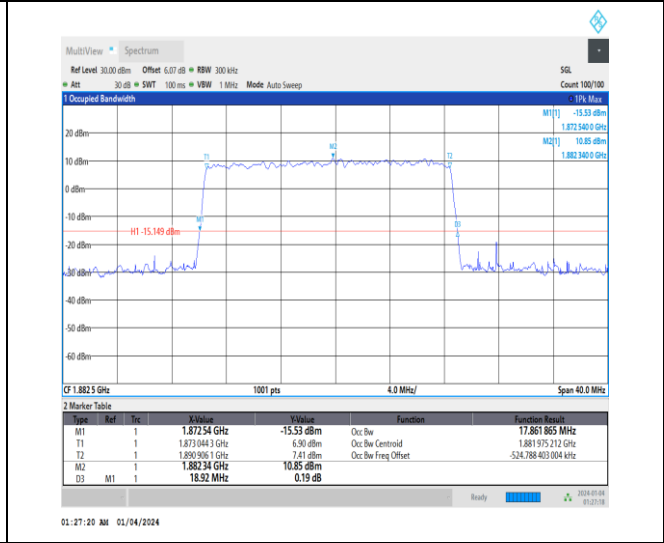
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1-N25-15-20-M-3-DFT-16QAM-Outer_Full-100@0-Ant1-17.865-18.960-≤20-PASS



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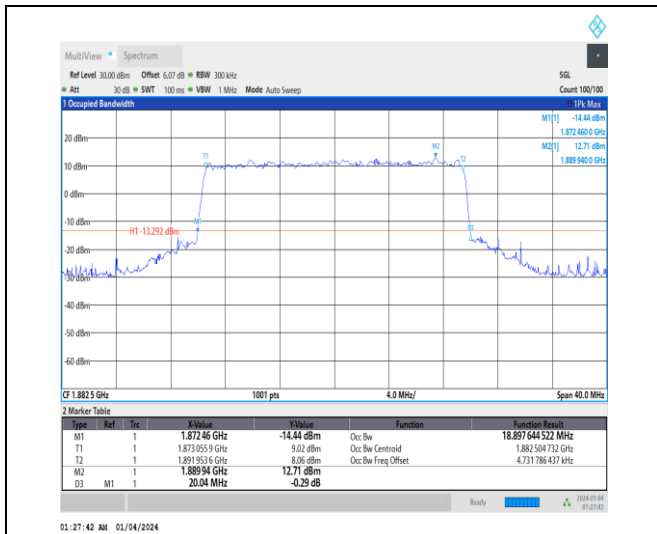
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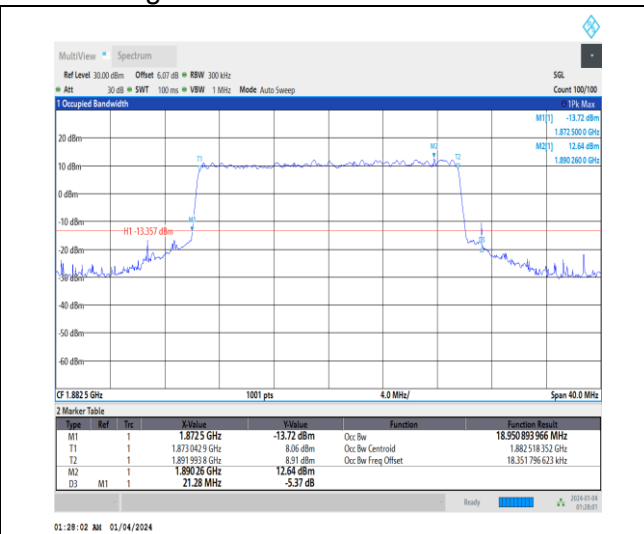
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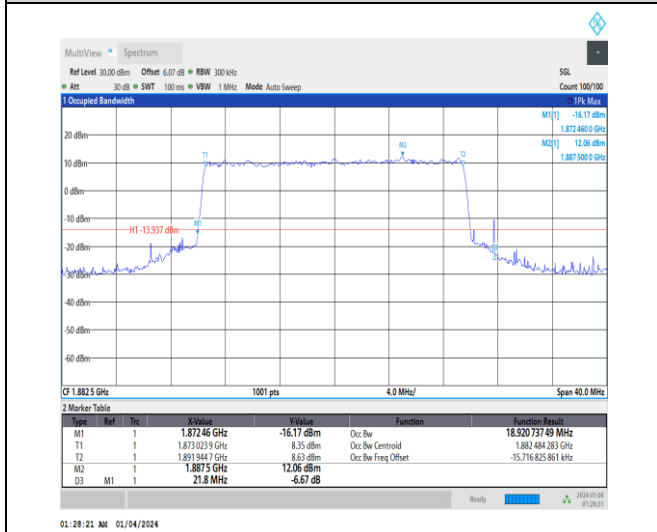
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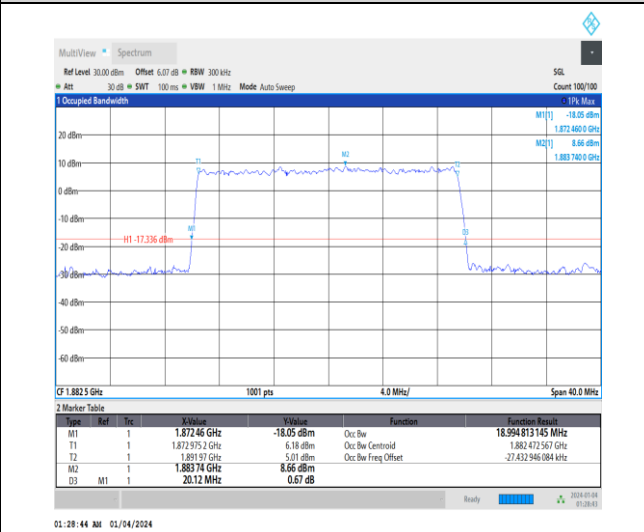
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-18.898-20.040-≤20-PASS



1-N25-15-20-M-7-CP-16QAM-Outer_Full-106@0-Ant
1-18.951-21.280-≤20-PASS



1-N25-15-20-M-8-CP-64QAM-Outer_Full-106@0-Ant
1-18.921-21.800-≤20-PASS



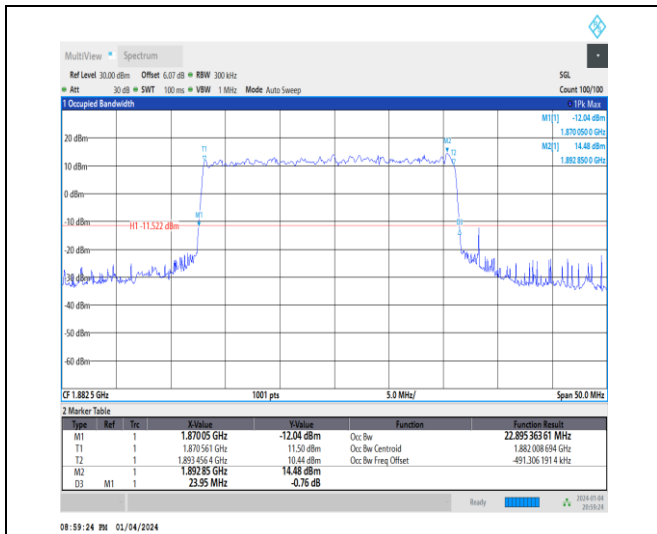
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nt1-18.995-20.120-≤20-PASS



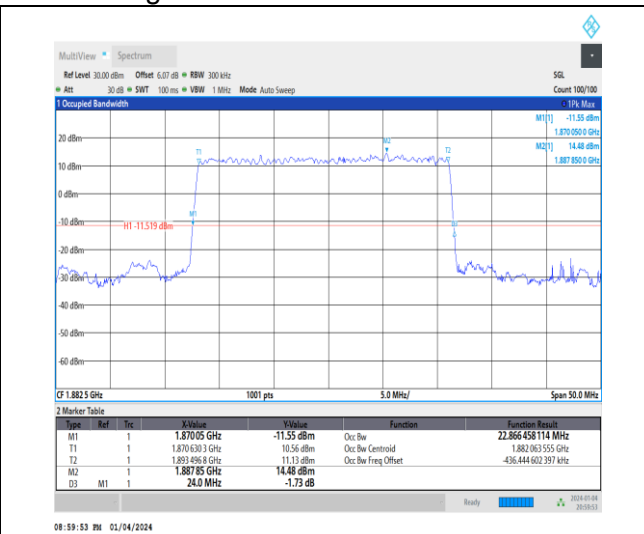
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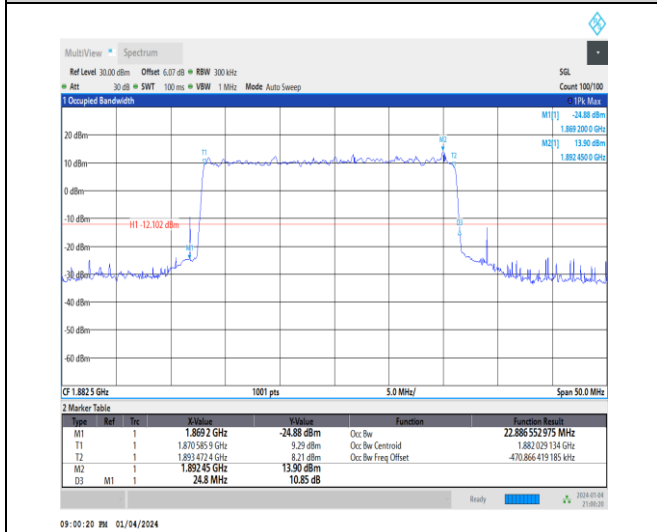
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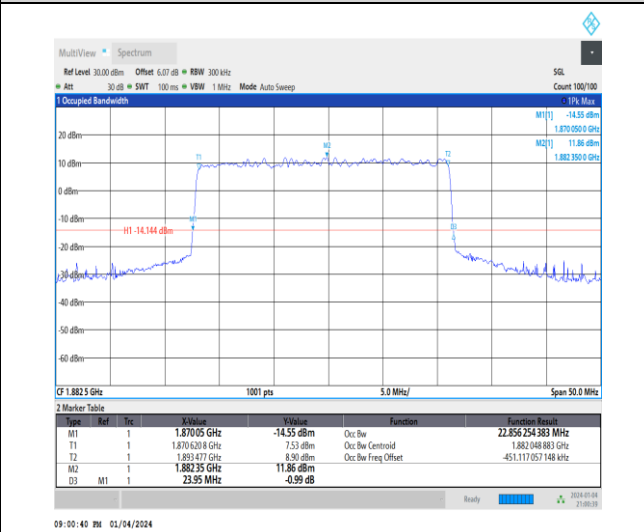
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 1-22.895-23.950-≤25-PASS



1-N25-15-25-M-2-DFT-PI2BPSK-Outer_Full-128@0-Ant1-22.866-24.000-≤25-PASS



1-N25-15-25-M-3-DFT-16QAM-Outer_Full-128@0-Ant1-22.887-24.800-≤25-PASS



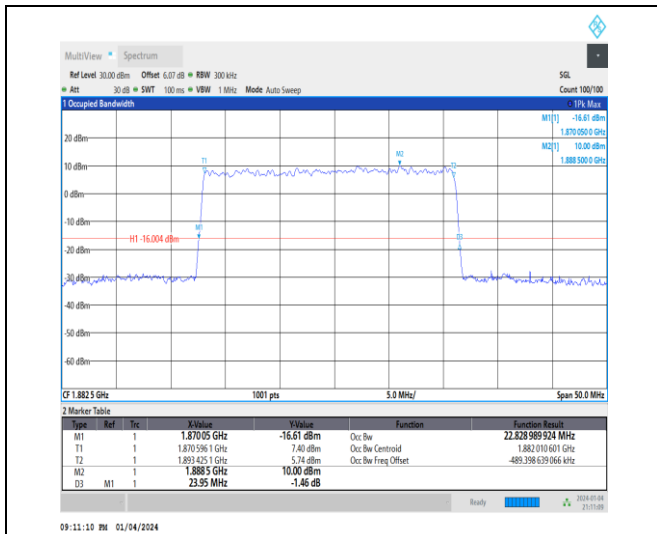
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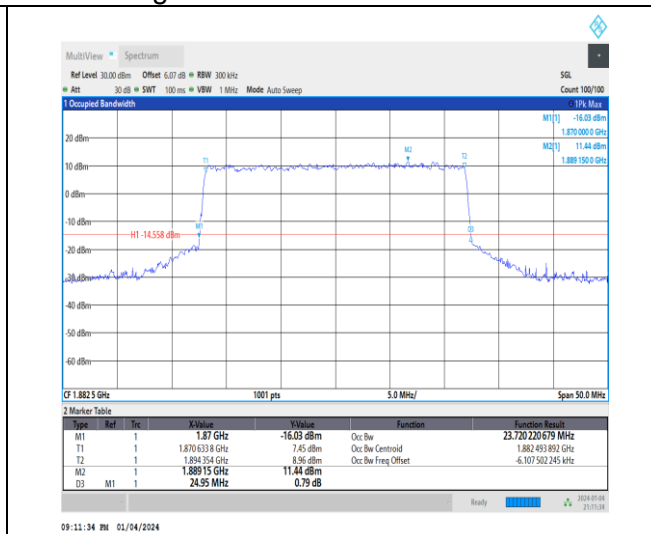
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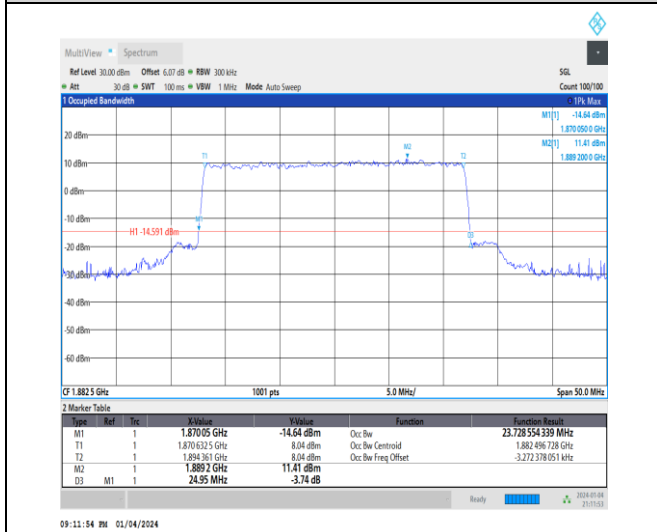
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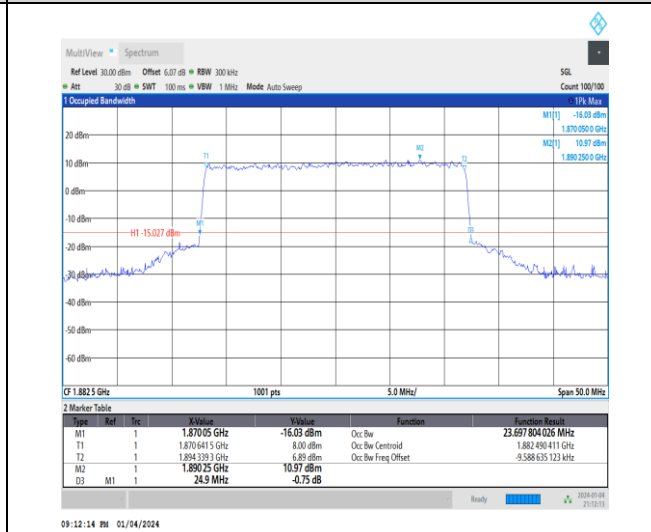
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1-N25-15-25-M-6-CP-QPSK-Outer_Full-133@0-Ant1-23.72-24.950-≤25-PASS



1-N25-15-25-M-7-CP-16QAM-Outer_Full-133@0-Ant1-23.729-24.950-≤25-PASS



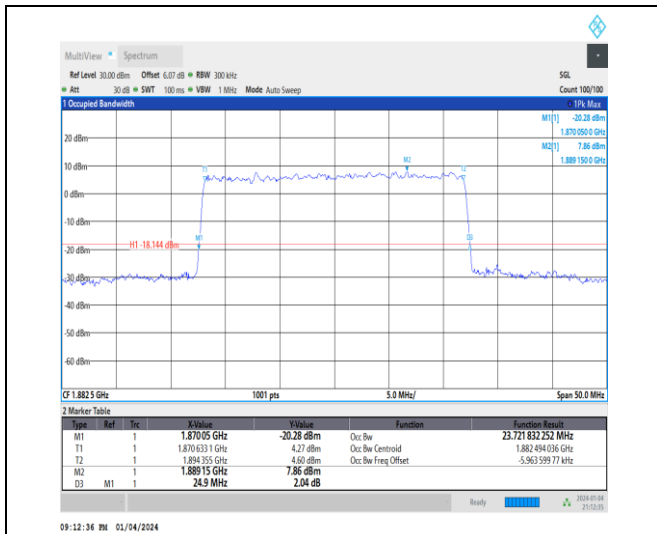
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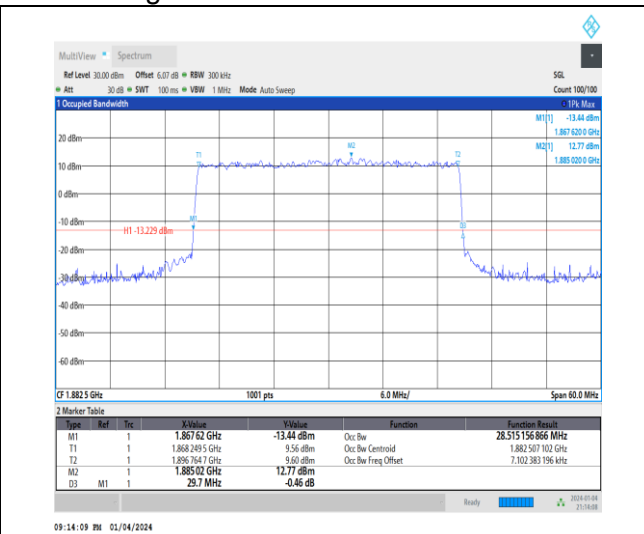
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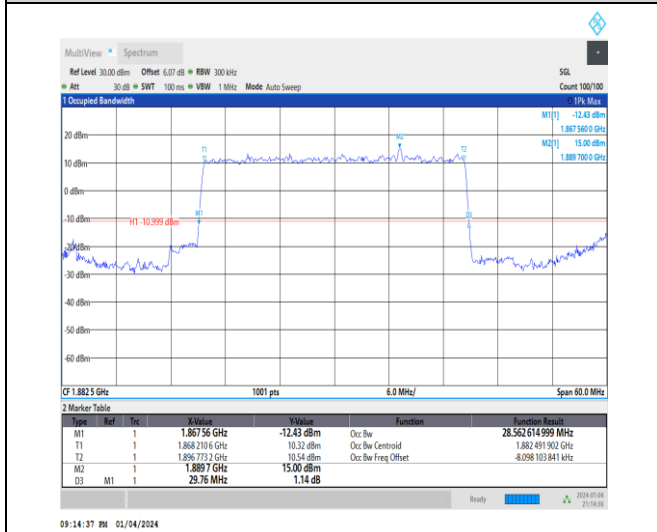
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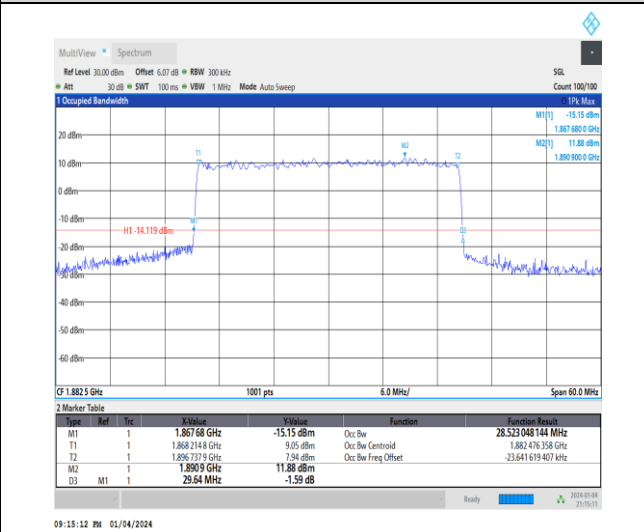
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 nt1-23.722-24.900-≤25-PASS



1-N25-15-30-M-1-DFT-QPSK-Outer_Full-160@0-Ant
 1-28.515-29.700-≤30-PASS



1-N25-15-30-M-2-DFT-PI2BPSK-Outer_Full-160@0-Ant1
 1-28.563-29.760-≤30-PASS



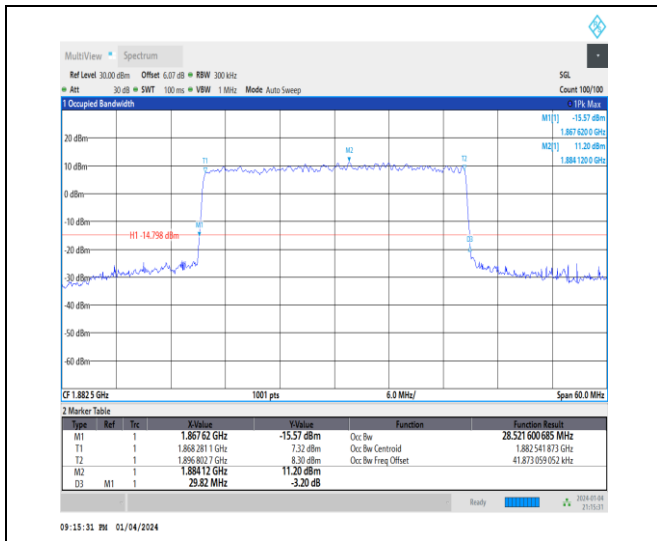
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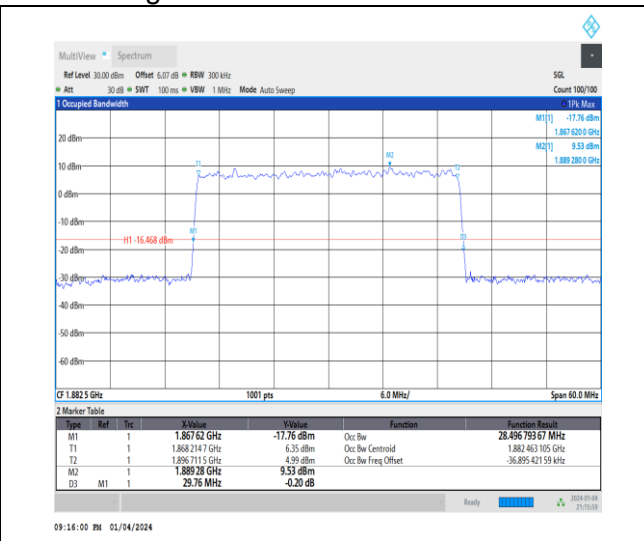
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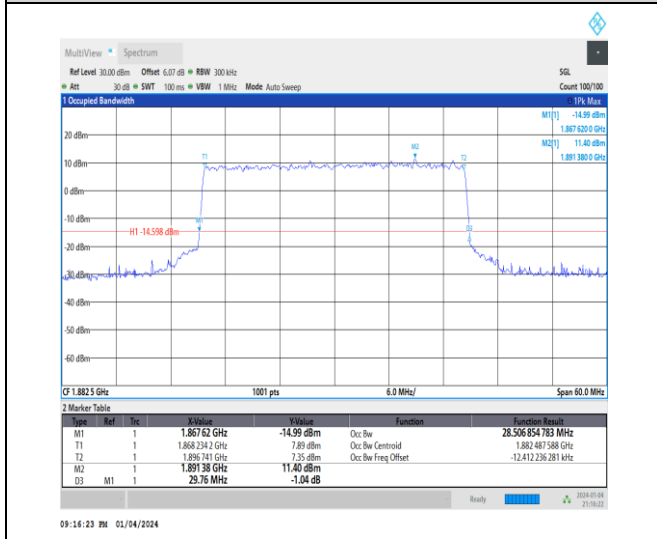
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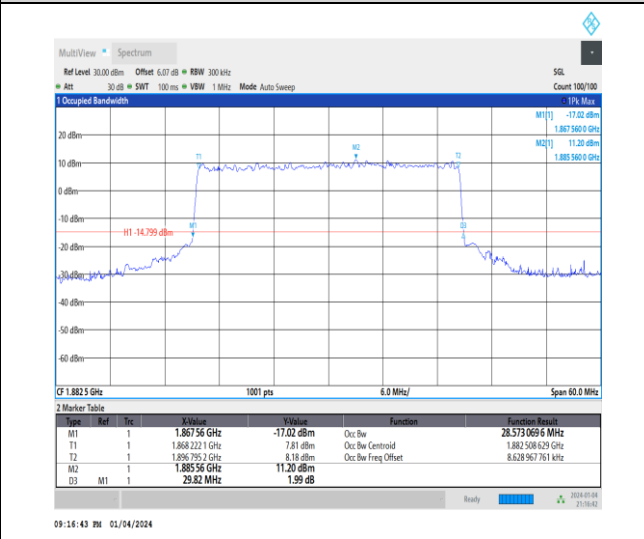
1-N25-15-30-M-4-DFT-64QAM-Outer_Full-160@0-A
nt1-28.522-29.820-≤30-PASS



1-N25-15-30-M-5-DFT-256QAM-Outer_Full-160@0-A
Ant1-28.497-29.760-≤30-PASS



1-N25-15-30-M-6-CP-QPSK-Outer_Full-160@0-Ant1
-28.507-29.760-≤30-PASS



1-N25-15-30-M-7-CP-16QAM-Outer_Full-160@0-Ant1
1-28.573-29.820-≤30-PASS



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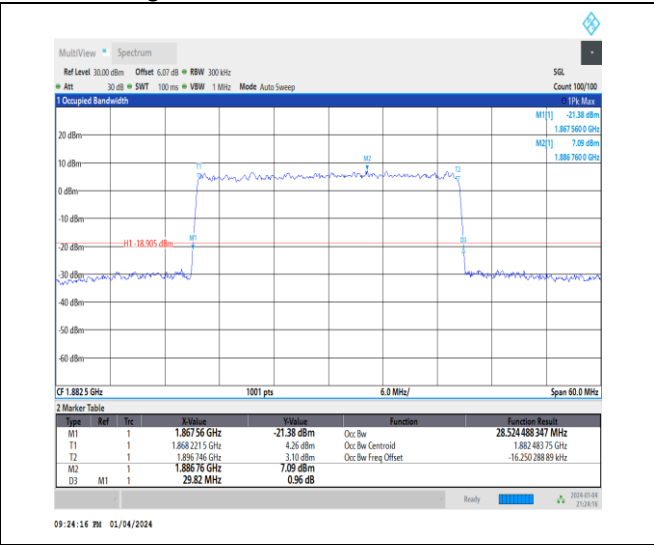
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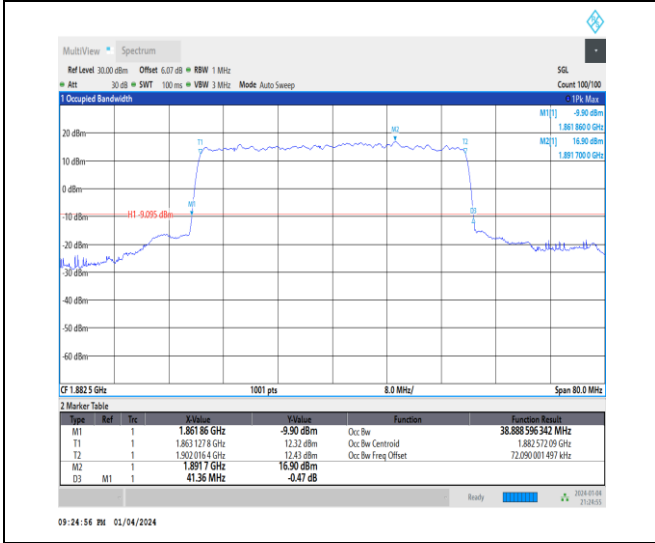
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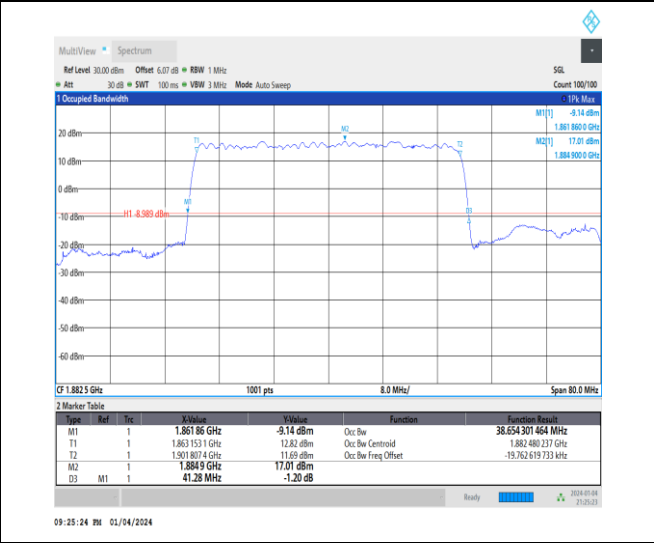
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1-28.506-29.820-≤30-PASS



1-N25-15-30-M-9-CP-256QAM-Outer_Full-160@0-Ant
nt1-28.524-29.820-≤30-PASS



1-N25-15-40-M-1-DFT-QPSK-Outer_Full-216@0-Ant
1-38.889-41.360-≤40-PASS



1-N25-15-40-M-2-DFT-PI2BPSK-Outer_Full-216@0-Ant
Ant1-38.654-41.280-≤40-PASS



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