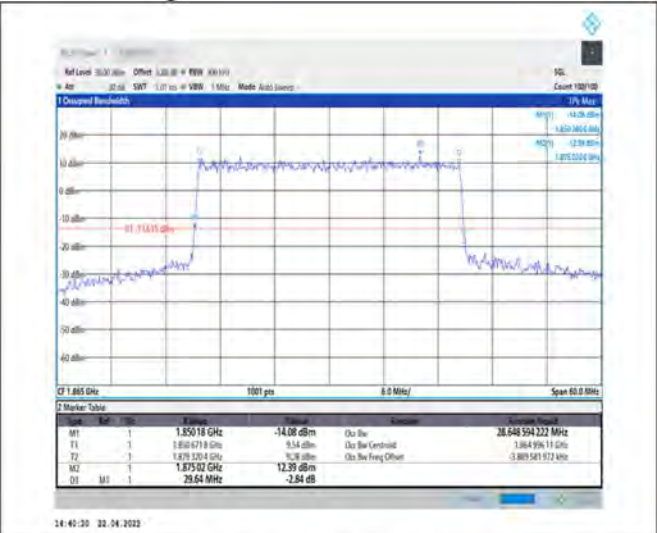




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1-N25--15-30-L-4-DFT-64QAM-Outer_Full-160@0-Ant1-28.596-29.880-≤30-PASS



1-N25--15-30-L-5-DFT-256QAM-Outer_Full-160@0-Ant1-28.568-29.760-≤30-PASS



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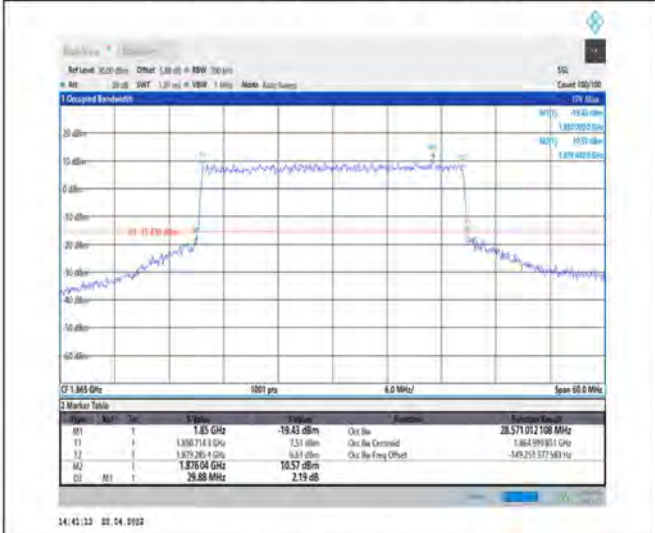
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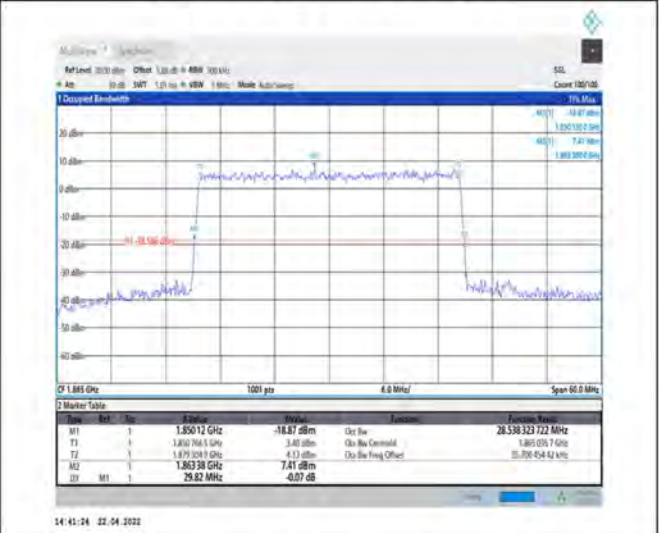
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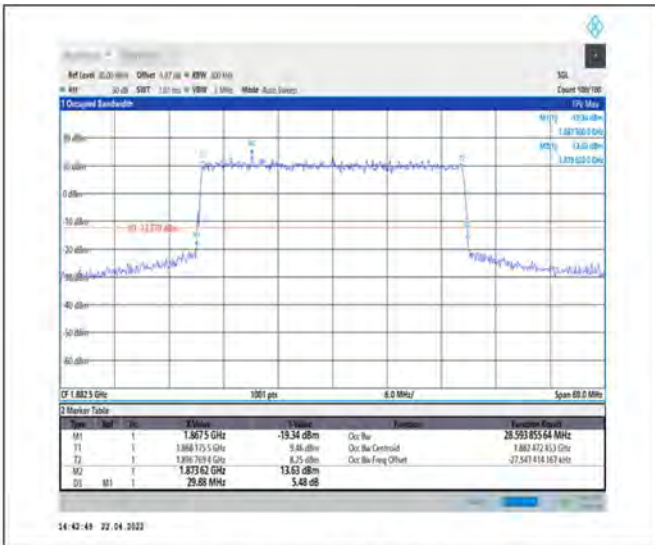


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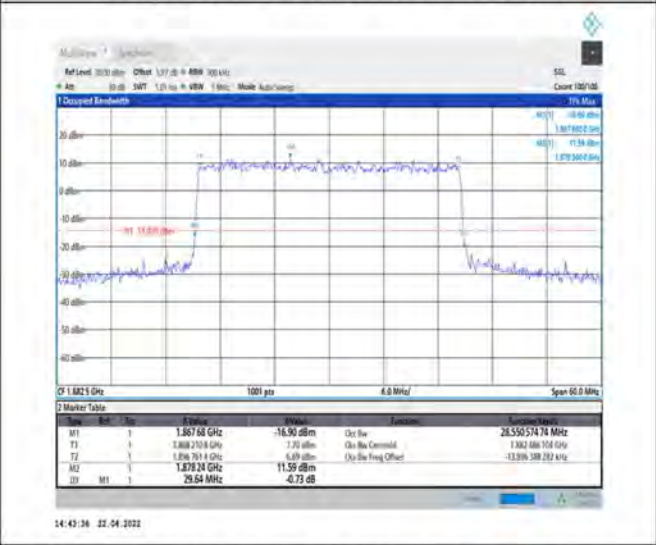
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1-N25--15-30-M-3-DFT-16QAM-Outer_Full-160@0-Ant1-28.584-29.580-≤30-PASS



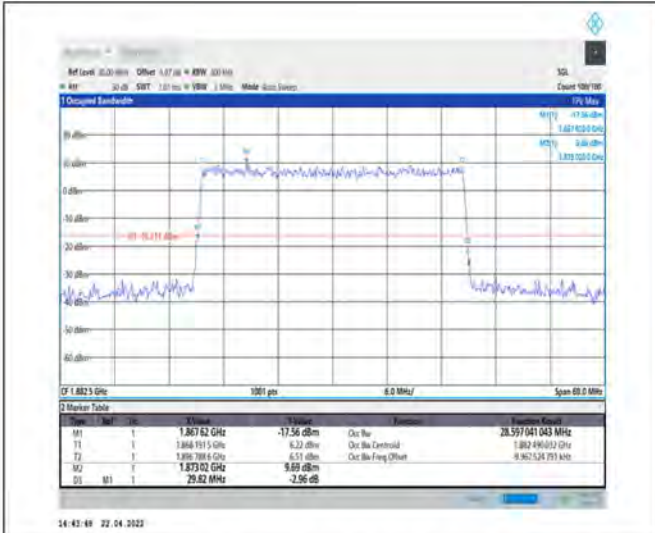
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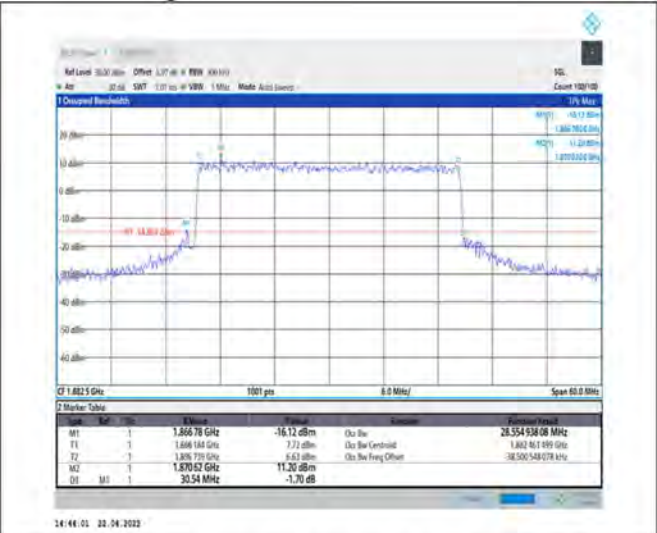
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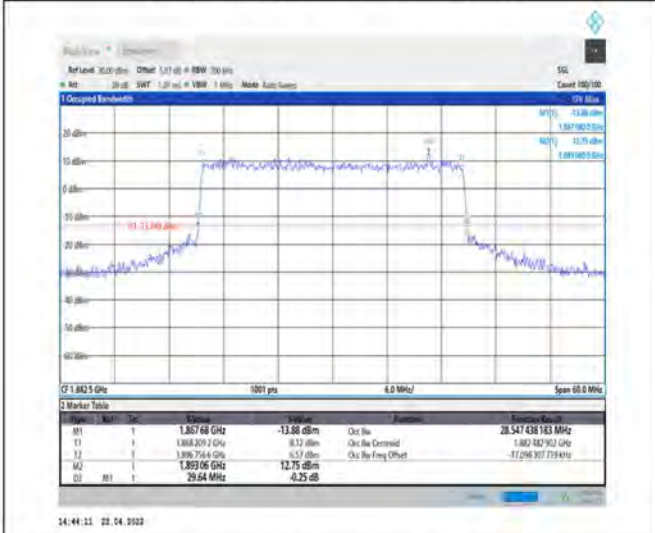
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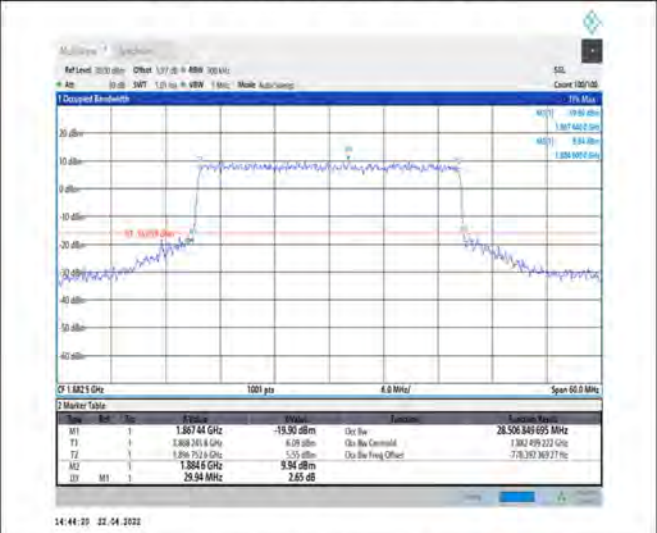
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1-N25--15-30-M-6-CP-QPSK-Outer_Full-160@0-Ant1-28.555-30.540-≤30-PASS



1-N25--15-30-M-7-CP-16QAM-Outer_Full-160@0-Ant1-28.547-29.640-≤30-PASS



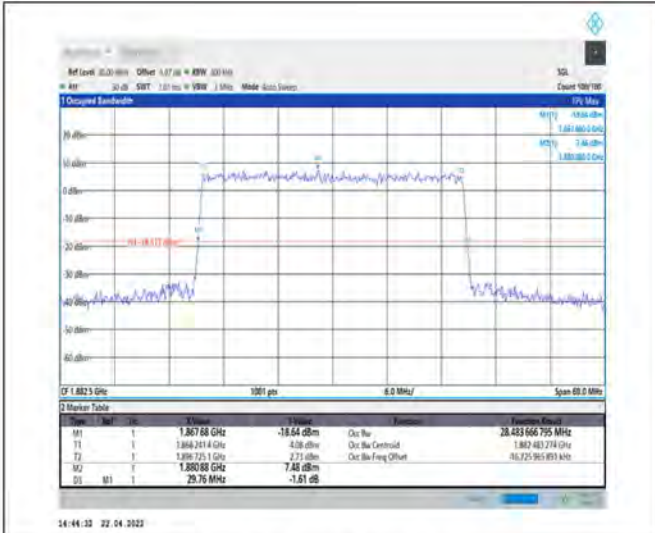
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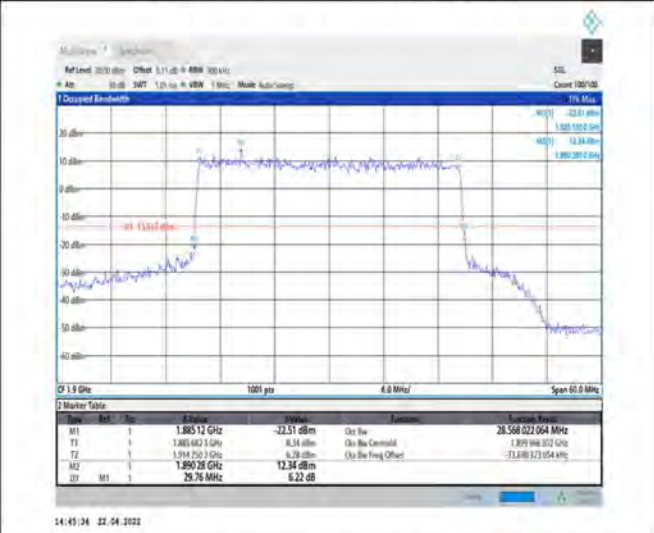
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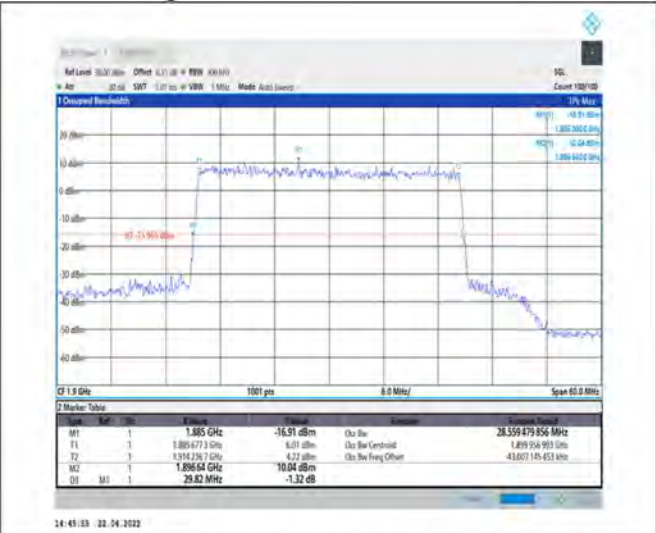
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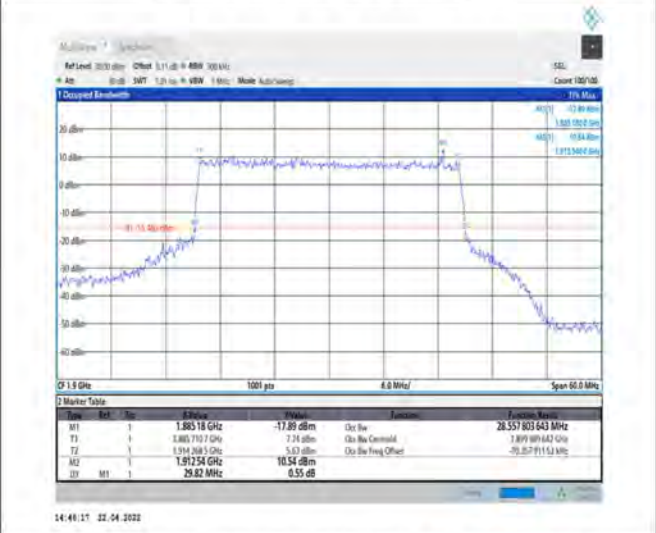
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1-N25--15-30-H-4-DFT-64QAM-Outer_Full-160@0-Ant1-28.58-29.820-≤30-PASS

1-N25--15-30-H-5-DFT-256QAM-Outer_Full-160@0-Ant1-28.559-29.820-≤30-PASS



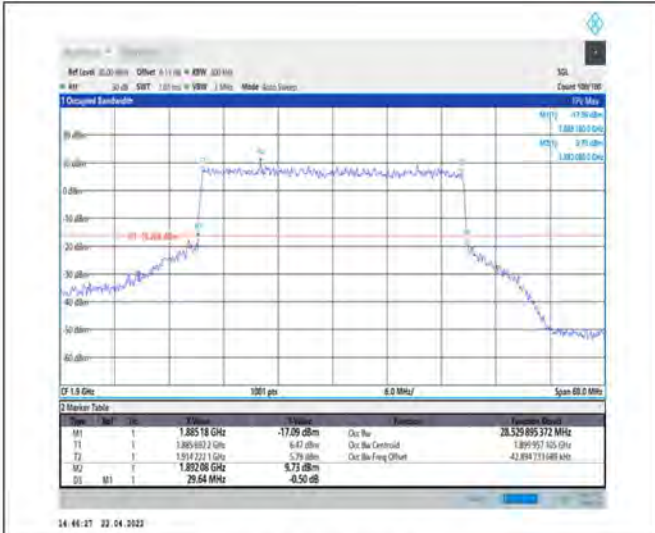
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1-N25--15-30-H-8-CP-64QAM-Outer_Full-160@0-Ant1-28.53-29.640-≤30-PASS



1-N25--15-30-H-9-CP-256QAM-Outer_Full-160@0-Ant1-28.478-29.580-≤30-PASS



1-N25--15-40-L-1-DFT-QPSK-Outer_Full-216@0-Ant1-38.619-40.240-≤40-PASS



1-N25--15-40-L-2-DFT-PI2BPSK-Outer_Full-216@0-Ant1-38.58-40.160-≤40-PASS



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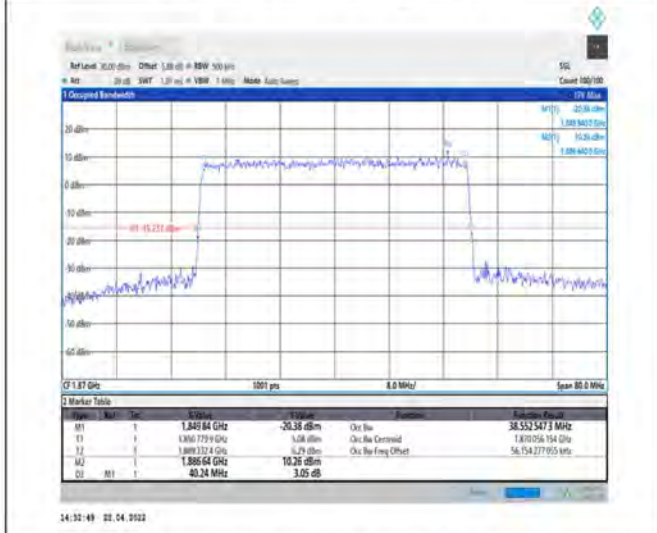
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1-N25--15-40-L-3-DFT-16QAM-Outer_Full-216@0-Ant1-38.641-40.240-≤40-PASS

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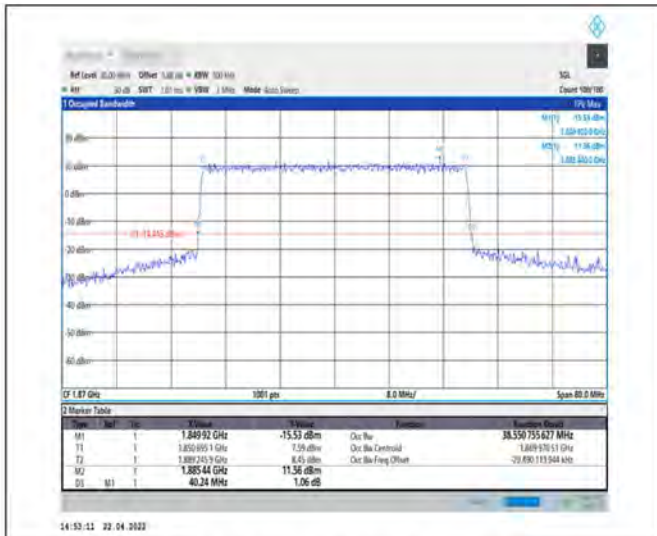
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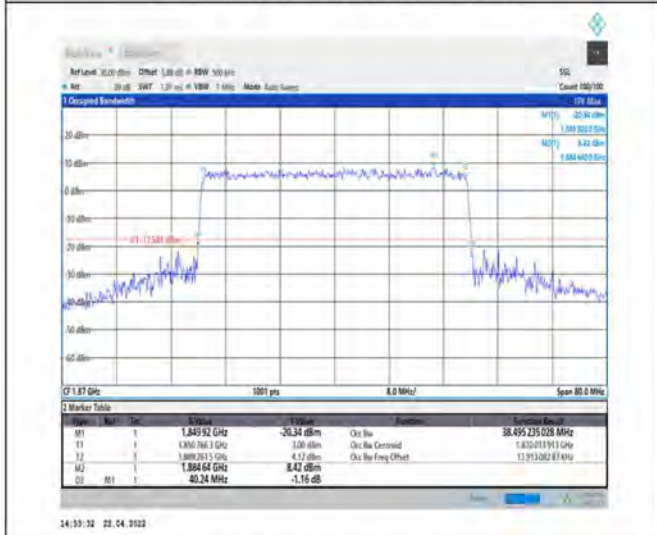
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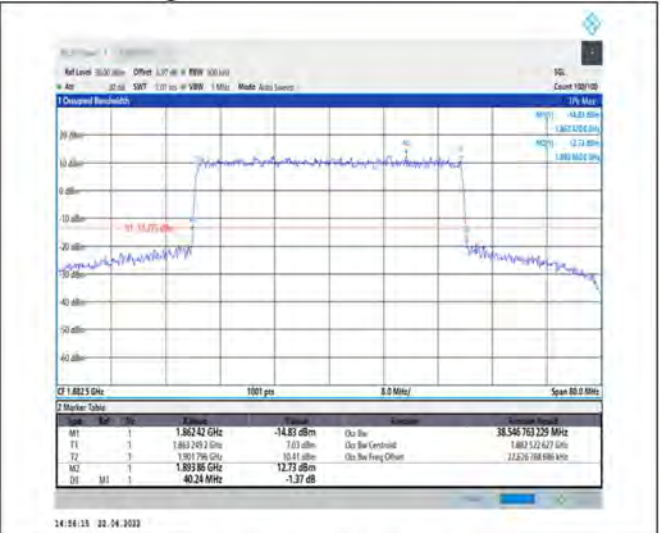
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1-N25--15-40-M-3-DFT-16QAM-Outer_Full-216@0-Ant1-38.547-40.240-≤ 40-PASS



1-N25--15-40-M-4-DFT-64QAM-Outer_Full-216@0-Ant1-38.604-40.160-≤ 40-PASS



1-N25--15-40-M-5-DFT-256QAM-Outer_Full-216@0-Ant1-38.507-40.240-≤ 40-PASS



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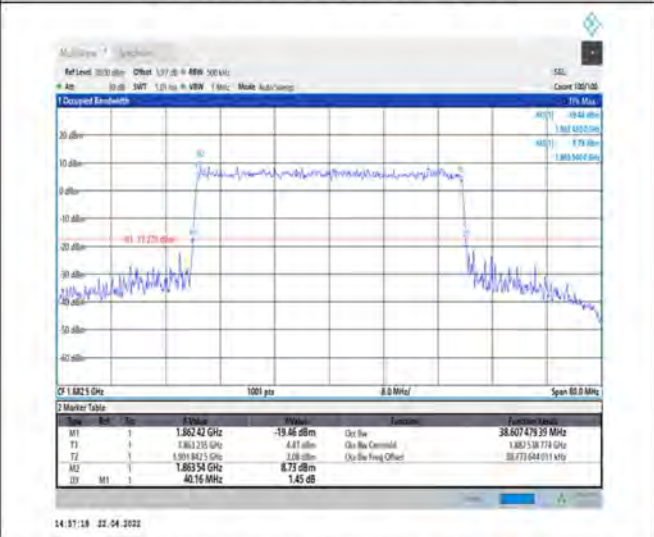
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1-N25--15-40-M-8-CP-64QAM-Outer_Full-216@0-Ant1-38.512-40.240-≤40-PASS



1-N25--15-40-M-9-CP-256QAM-Outer_Full-216@0-Ant1-38.607-40.160-≤40-PASS



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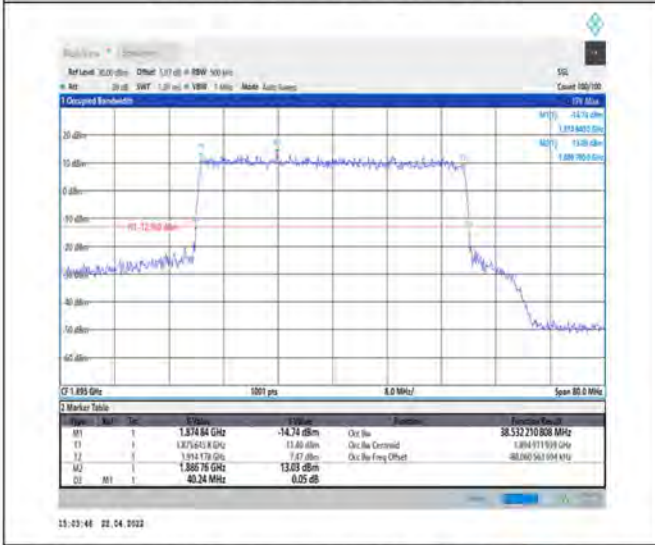
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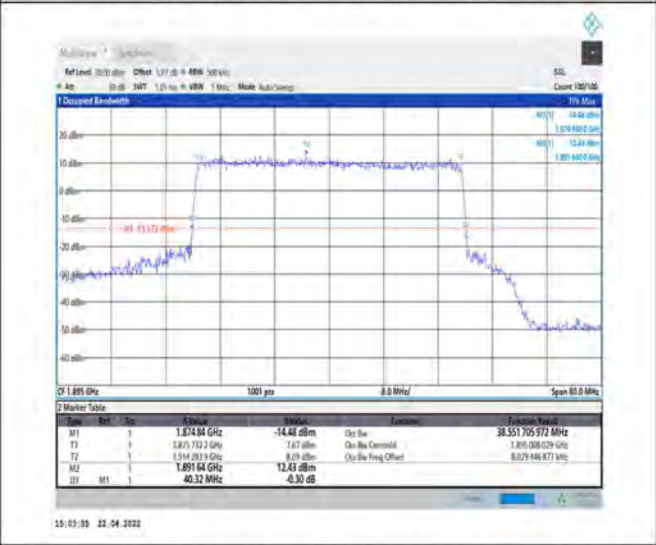
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1-N25--15-40-H-3-DFT-16QAM-Outer_Full-216@0-Ant1-38.532-40.240-≤40-PASS



1-N25--15-40-H-4-DFT-64QAM-Outer_Full-216@0-Ant1-38.552-40.320-≤40-PASS



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1-N25--15-40-H-5-DFT-256QAM-Outer_Full-216@0-Ant1-38.405-40.160-≤ 40-PASS



1-N25--15-40-H-6-CP-QPSK-Outer_Full-216@0-Ant1-38.56-40.160-≤ 40-PASS



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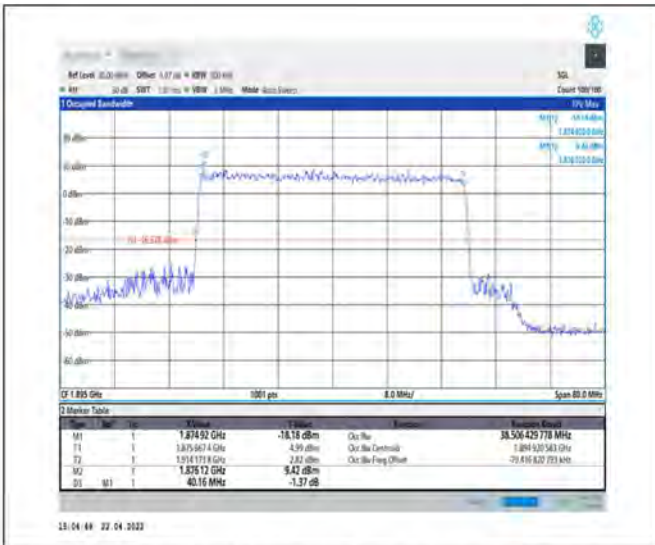
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1-N25--15-40-H-9-CP-256QAM-Outer_Full-216@0-Ant1-38.506-40.160-<40-PASS



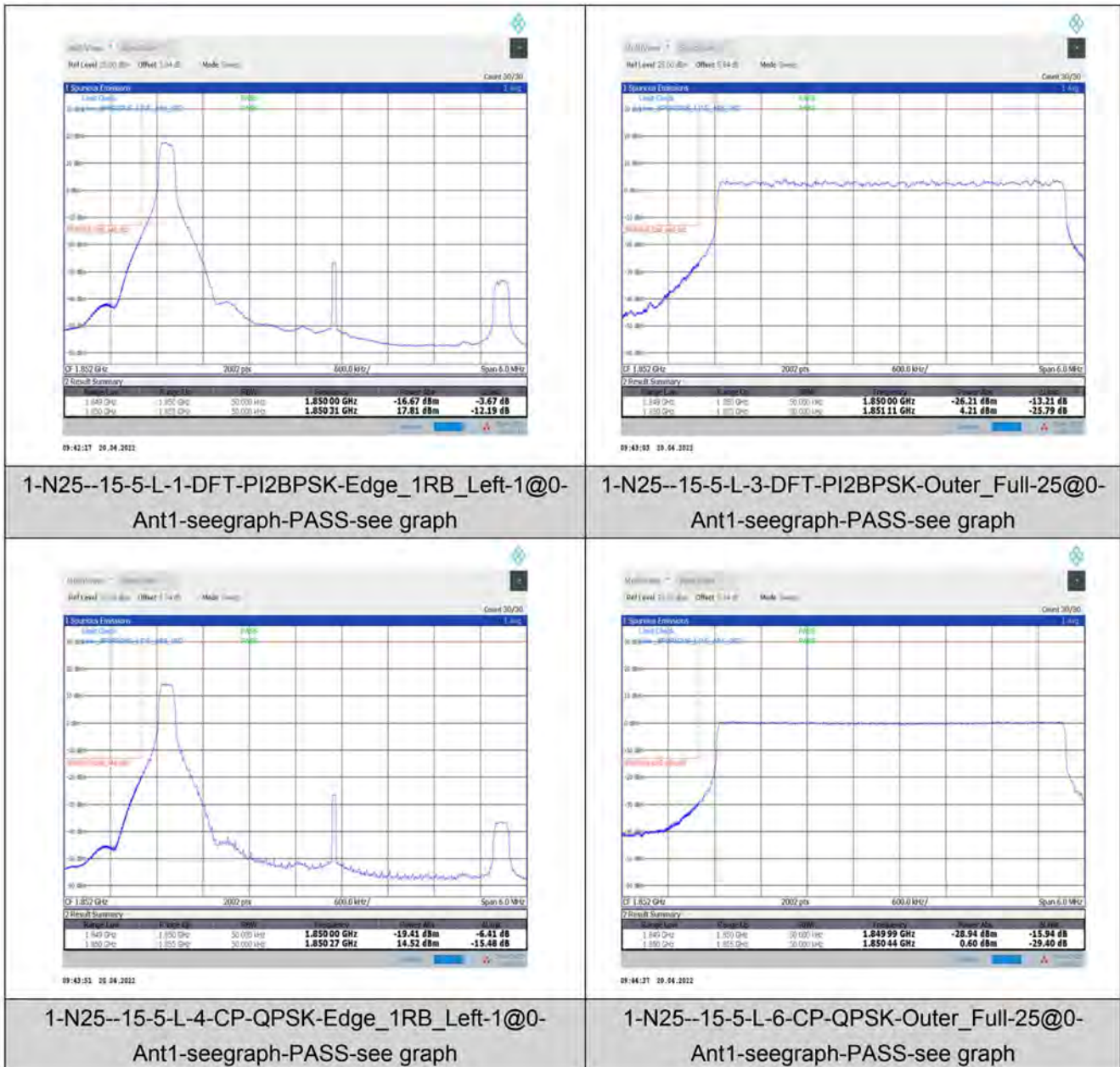
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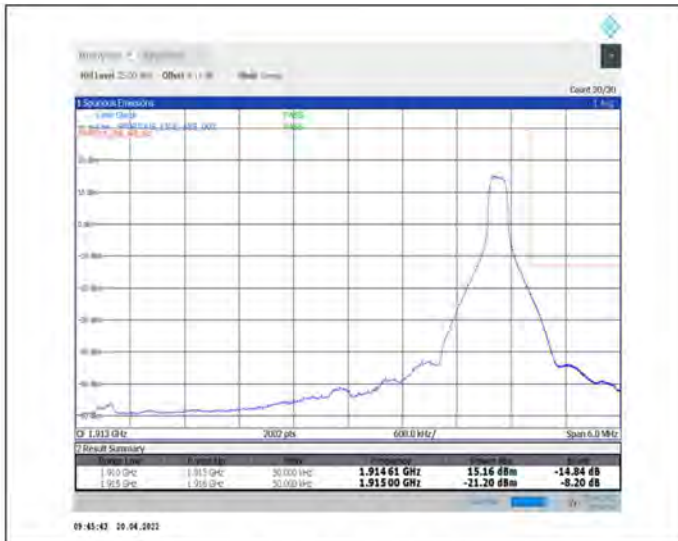
Test Graphs



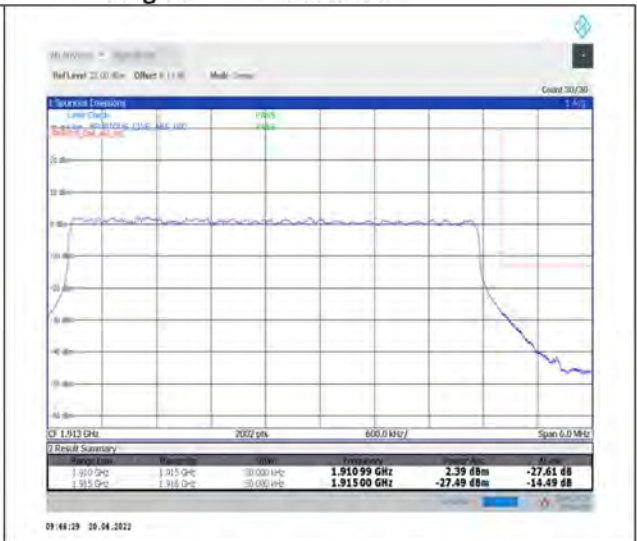
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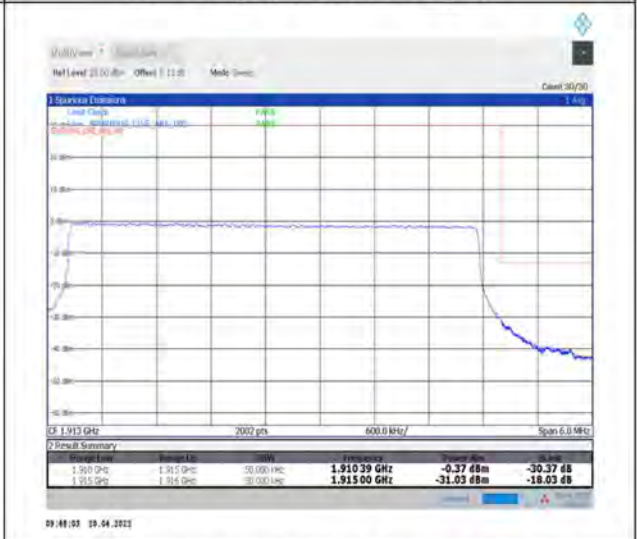
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1-N25--15-5-H-3-DFT-PI2BPSK-Outer_Full-25@0-Ant1-seegraph-PASS-see graph



1-N25--15-5-H-5-CP-QPSK-Edge_1RB_Right-1@24-Ant1-seegraph-PASS-see graph



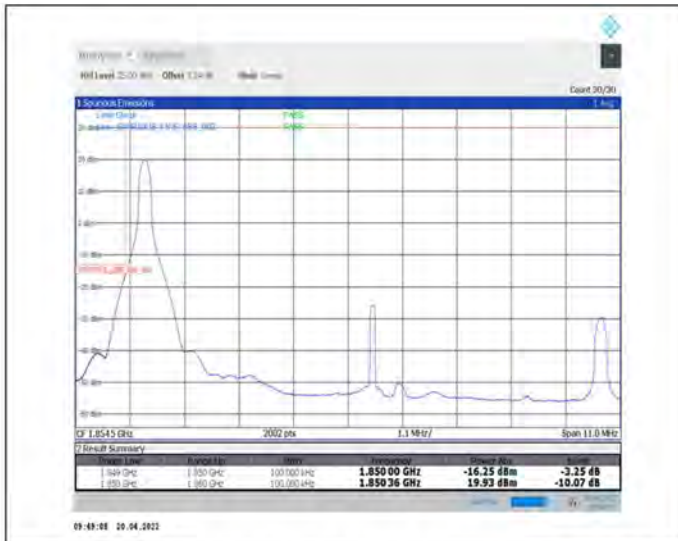
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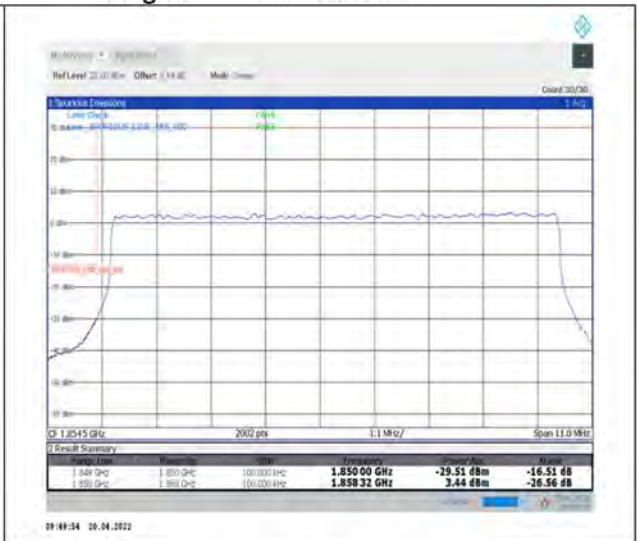
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1-N25--15-10-L-1-DFT-PI2BPSK-Edge_1RB_Left-1@0-Ant1-seegraph-PASS-see graph



1-N25--15-10-L-3-DFT-PI2BPSK-Outer_Full-50@0-Ant1-seegraph-PASS-see graph



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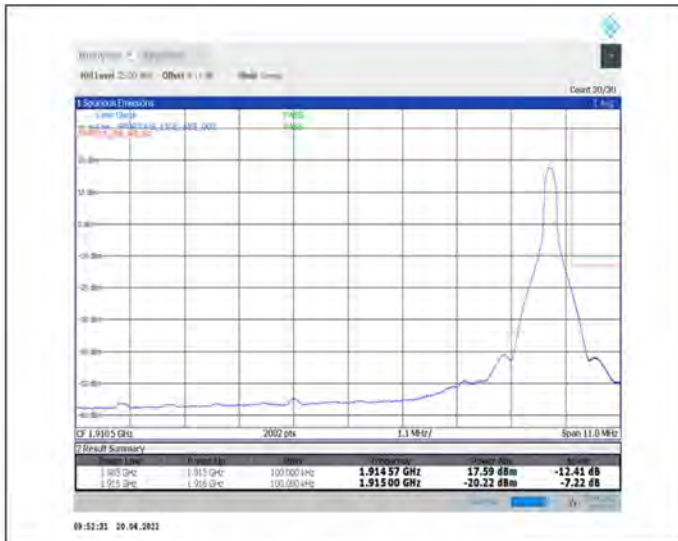
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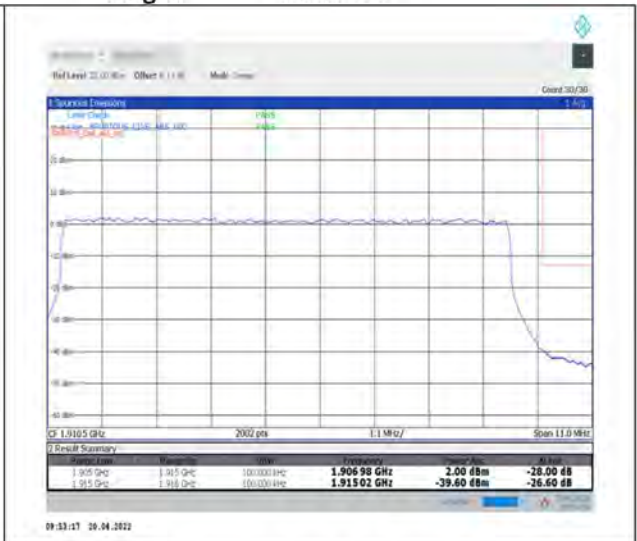
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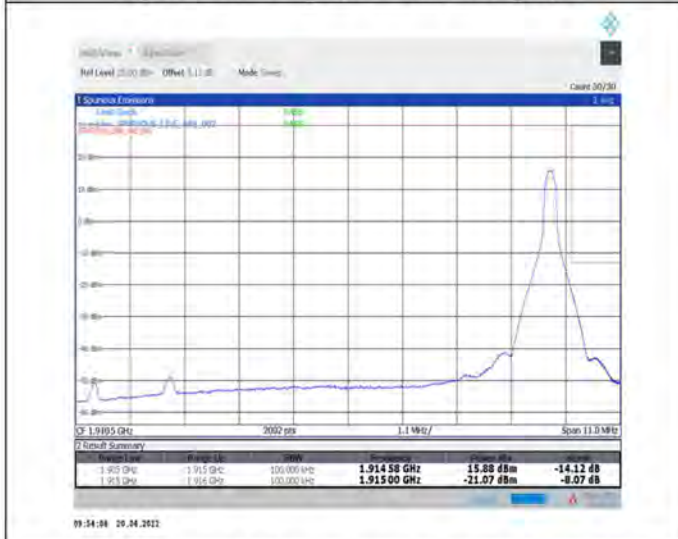
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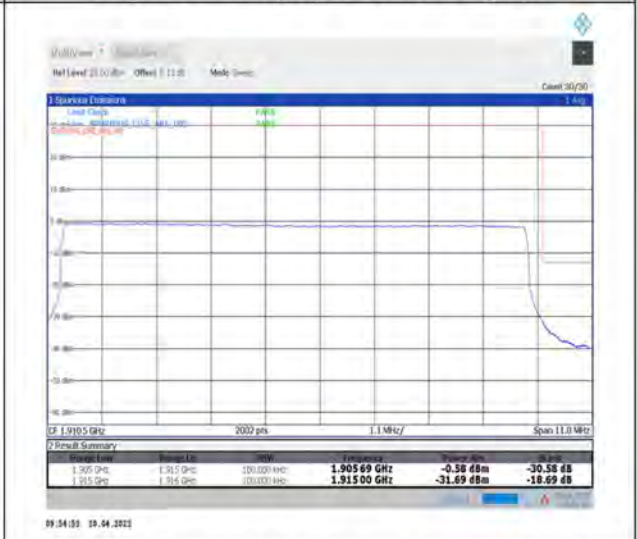
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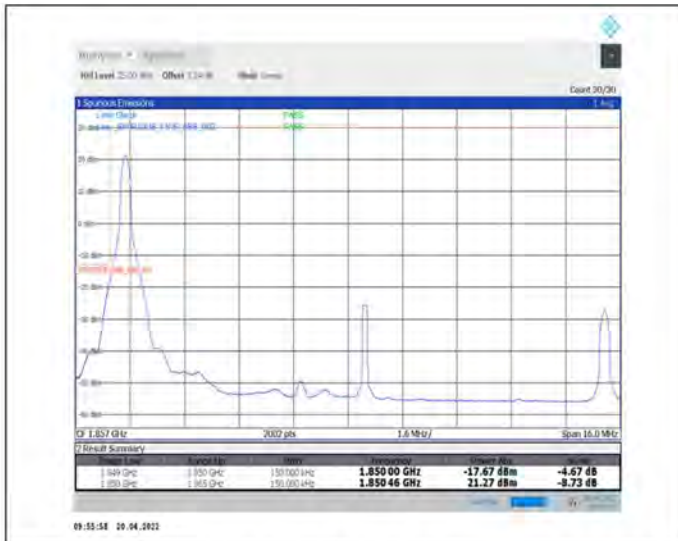
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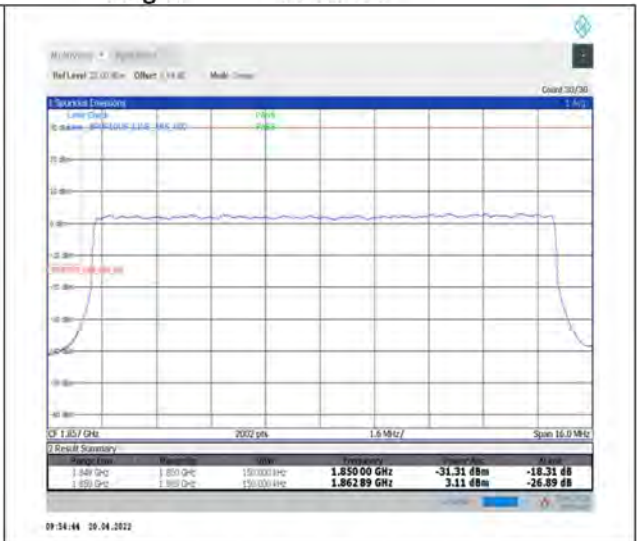
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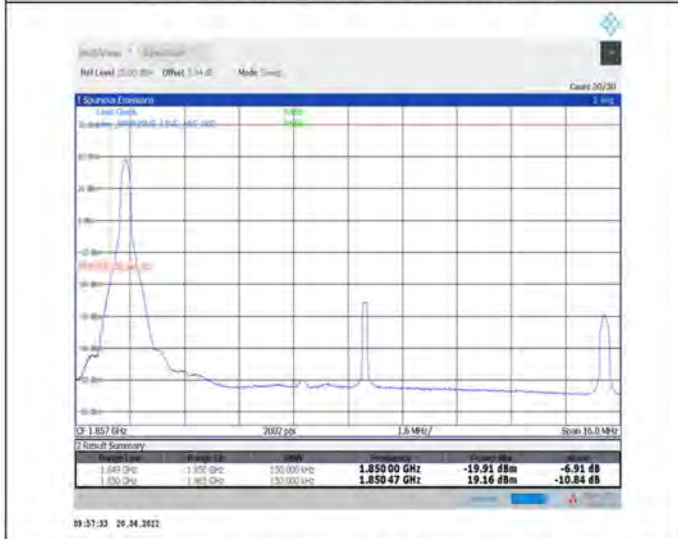
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1-N25--15-15-L-3-DFT-PI2BPSK-Outer_Full-75@0-Ant1-seegraph-PASS-see graph



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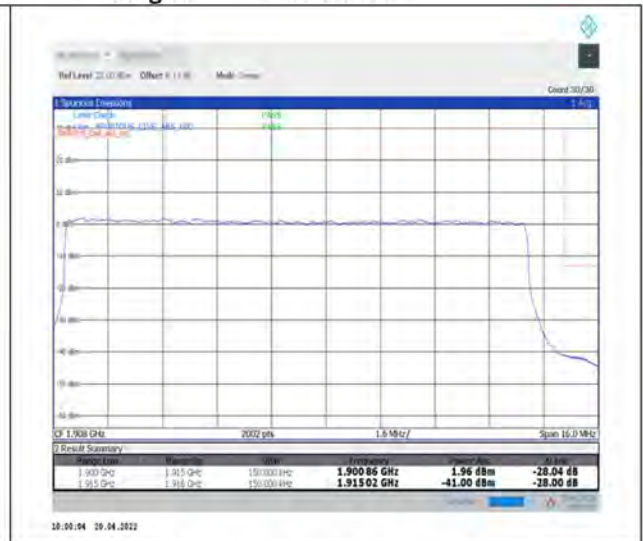
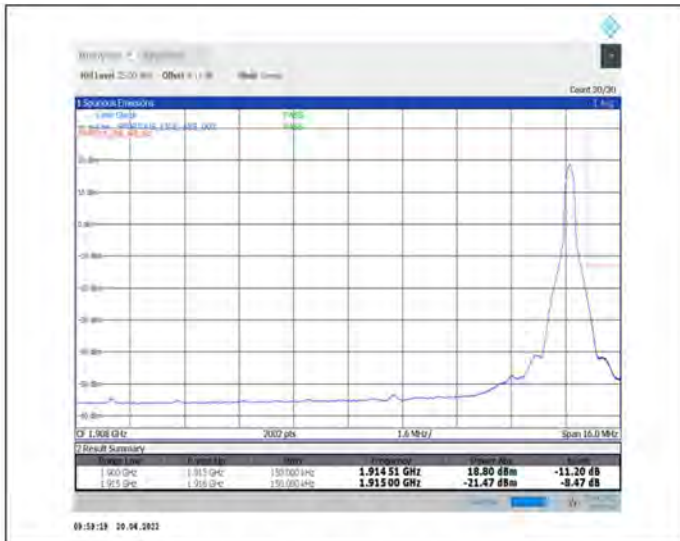
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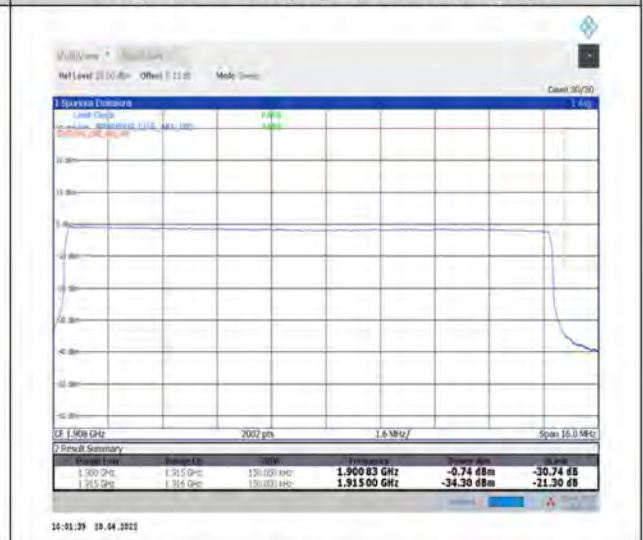
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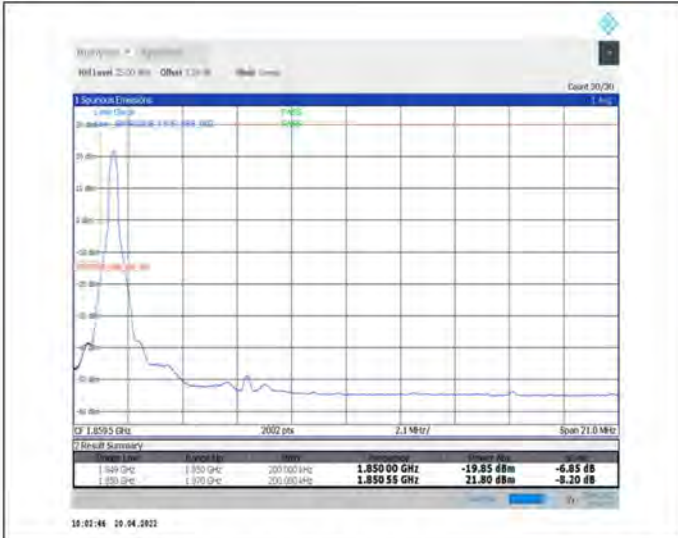
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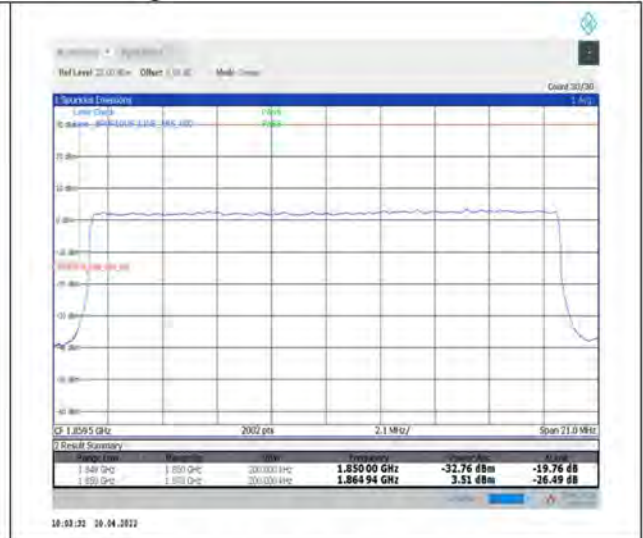
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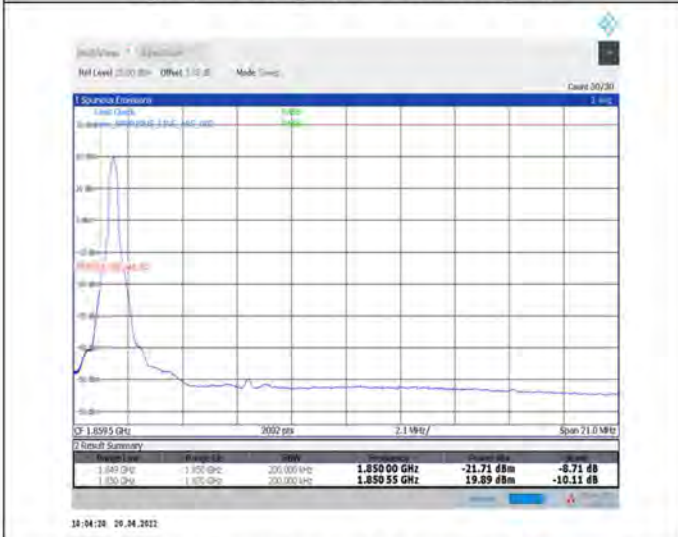
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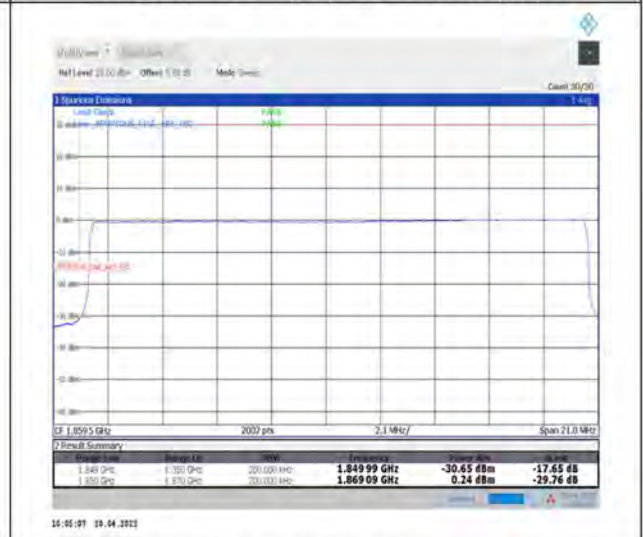
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1-N25--15-20-L-3-DFT-PI2BPSK-Outer_Full-100@0-Ant1-seegraph-PASS-see graph



1-N25--15-20-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant1-seegraph-PASS-see graph



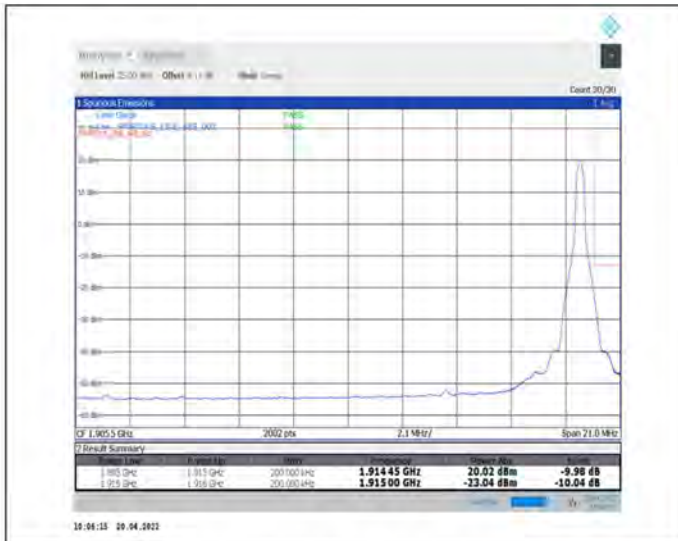
1-N25--15-20-L-6-CP-QPSK-Outer_Full-106@0-Ant1-seegraph-PASS-see graph



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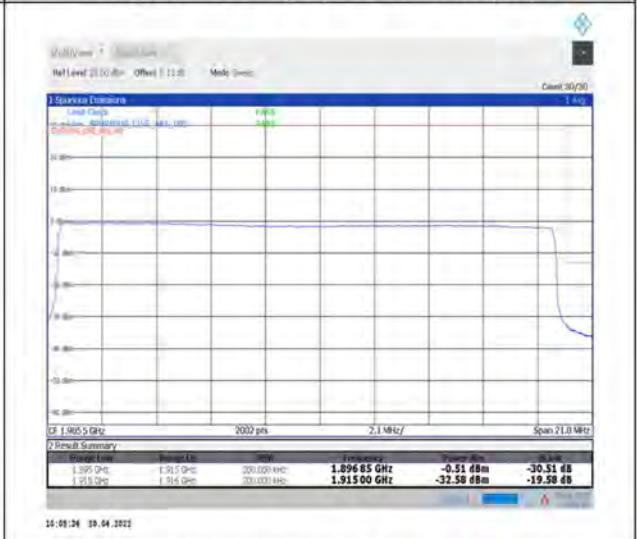
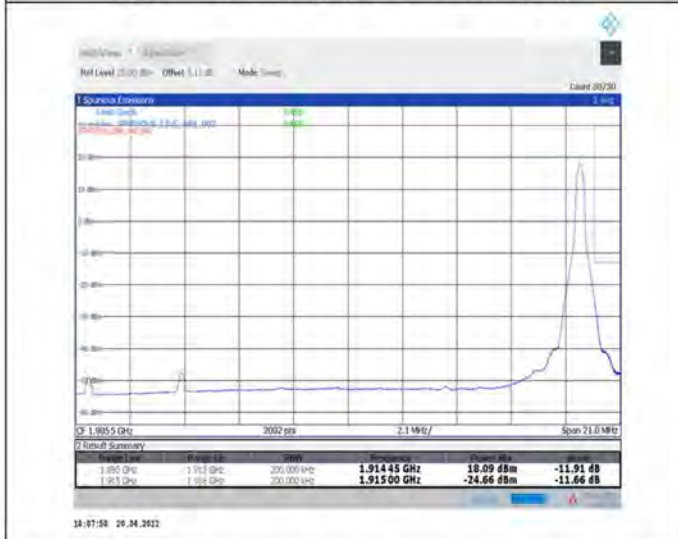
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1-N25--15-20-H-2-DFT-PI2BPSK-Edge_1RB_Right-1@105-Ant1-seegraph-PASS-see graph

1-N25--15-20-H-3-DFT-PI2BPSK-Outer_Full-100@0-Ant1-seegraph-PASS-see graph



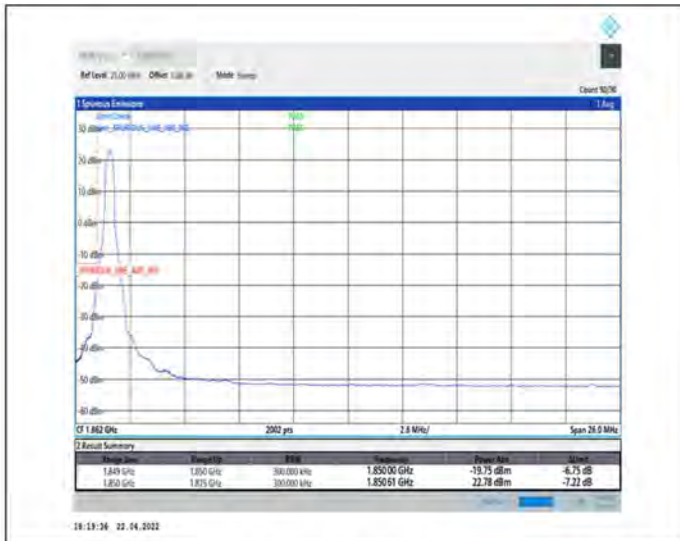
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1-N25--15-20-H-6-CP-QPSK-Outer_Full-106@0-Ant1-seegraph-PASS-see graph



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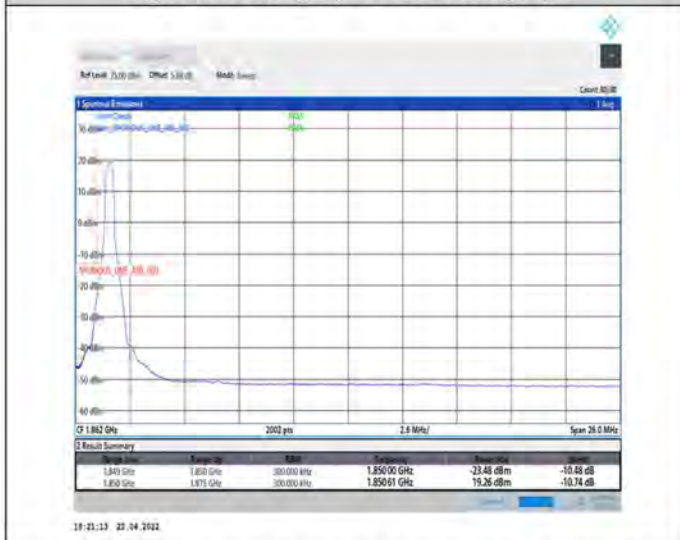
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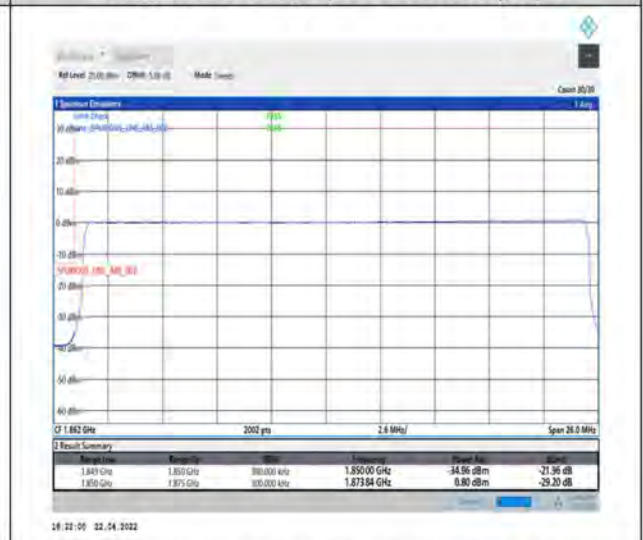
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1-N25--15-25-L-3-DFT-PI2BPSK-Outer_Full-128@0-Ant1-seegraph-PASS-see graph



1-N25--15-25-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant1-seegraph-PASS-see graph



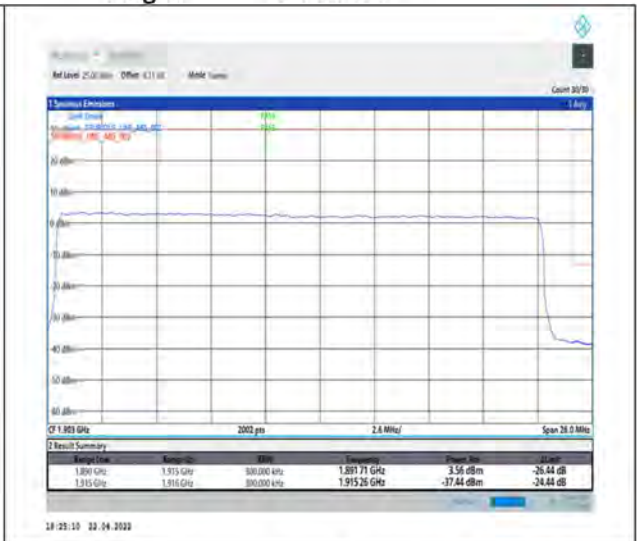
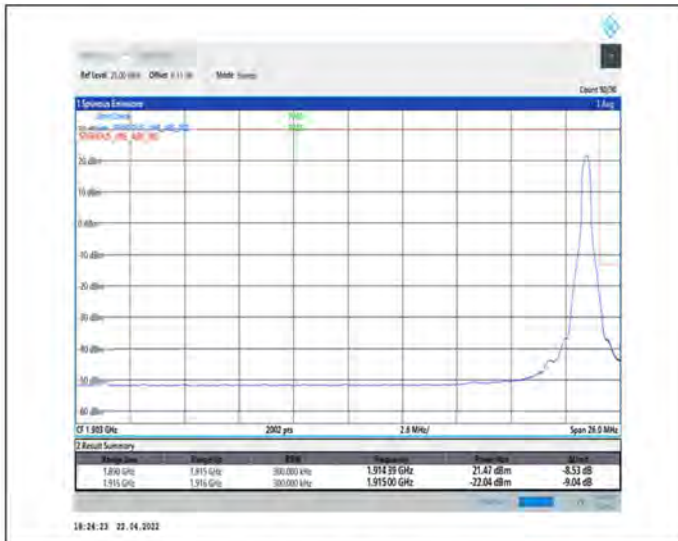
1-N25--15-25-L-6-CP-QPSK-Outer_Full-133@0-Ant1-seegraph-PASS-see graph



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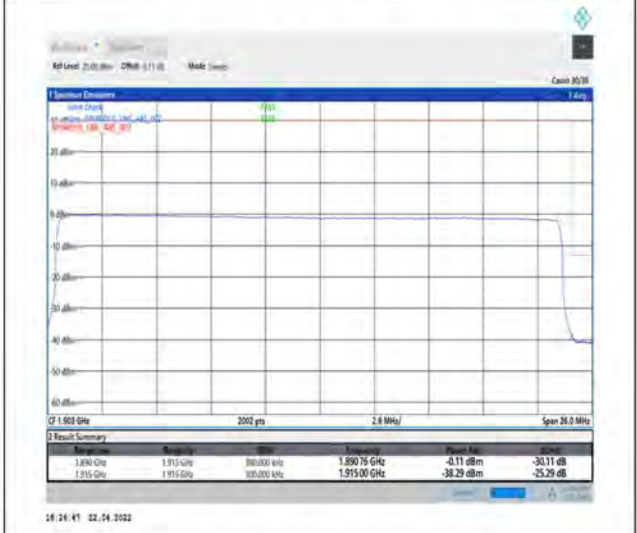
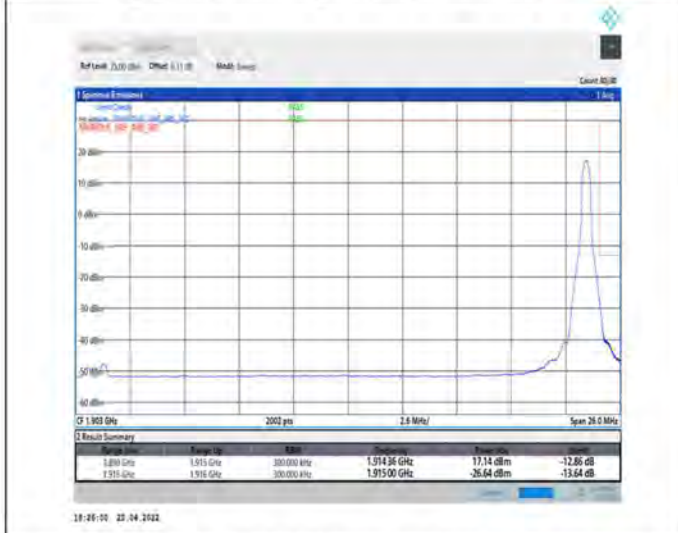
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1-N25--15-25-H-2-DFT-PI2BPSK-Edge_1RB_Right-1@132-Ant1-seegraph-PASS-see graph

1-N25--15-25-H-3-DFT-PI2BPSK-Outer_Full-128@0-Ant1-seegraph-PASS-see graph



1-N25--15-25-H-5-CP-QPSK-Edge_1RB_Right-1@132-Ant1-seegraph-PASS-see graph

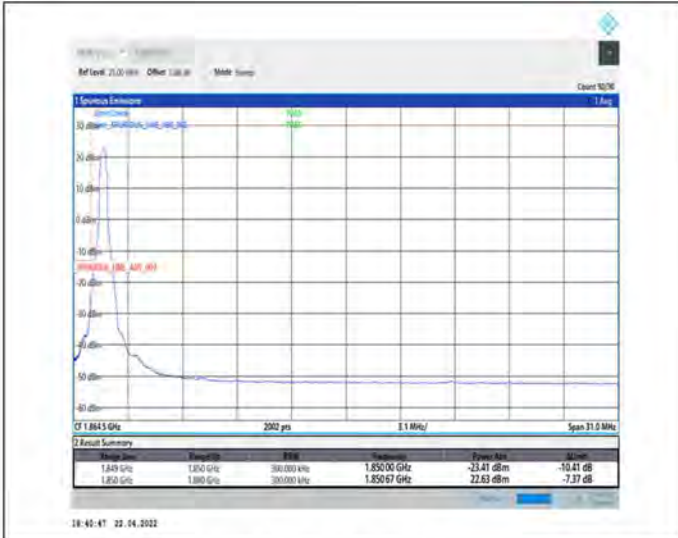
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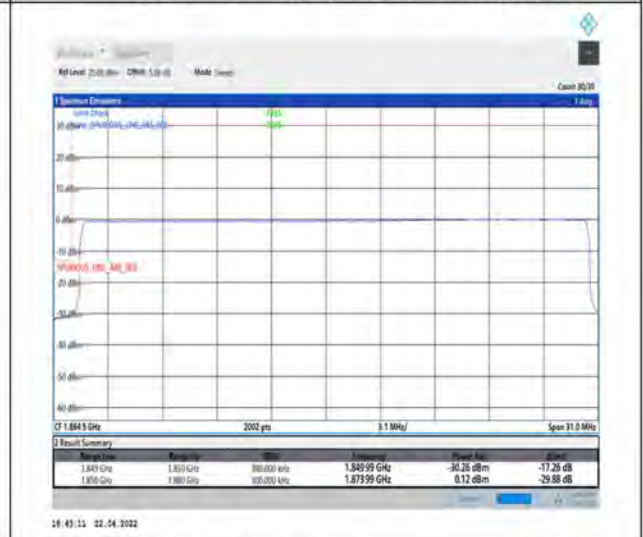
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1-N25--15-30-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant1-seegraph-PASS-see graph



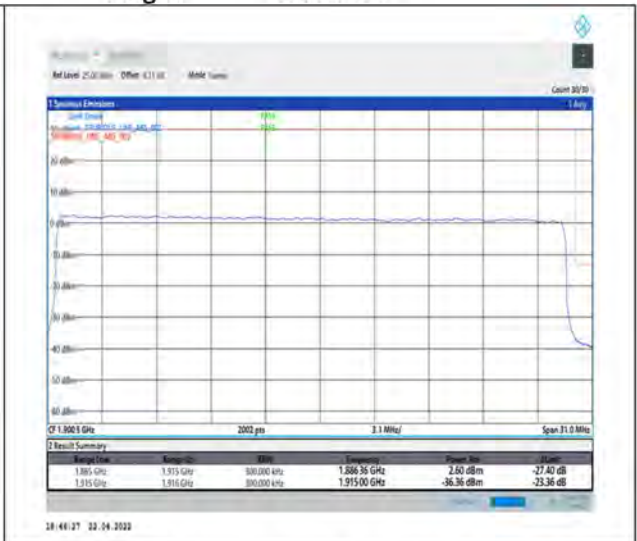
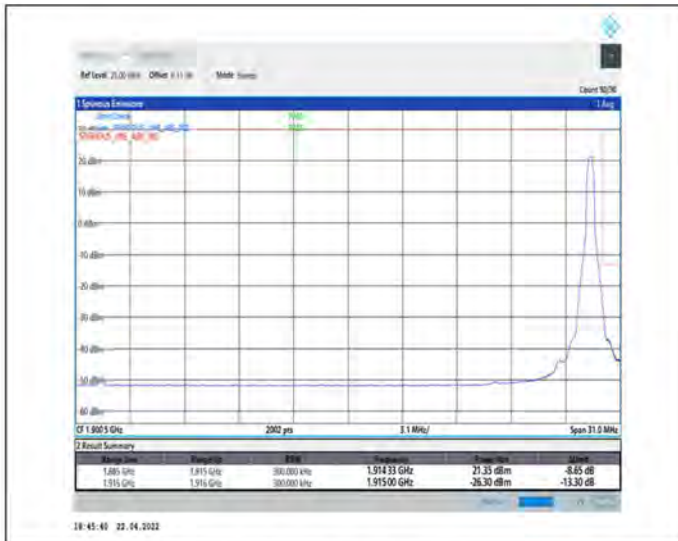
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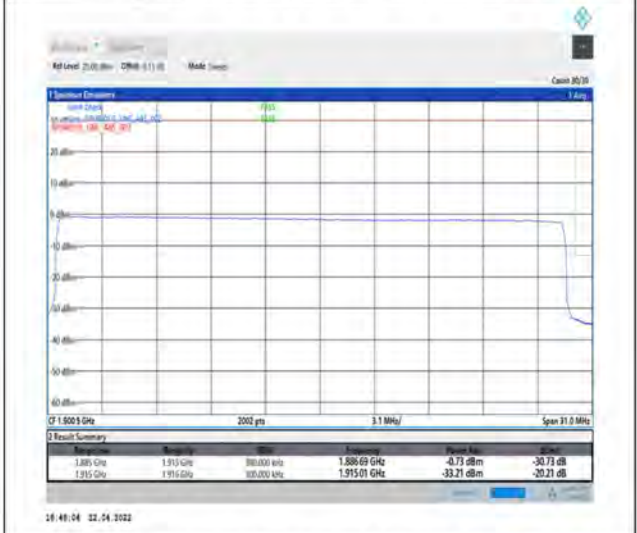
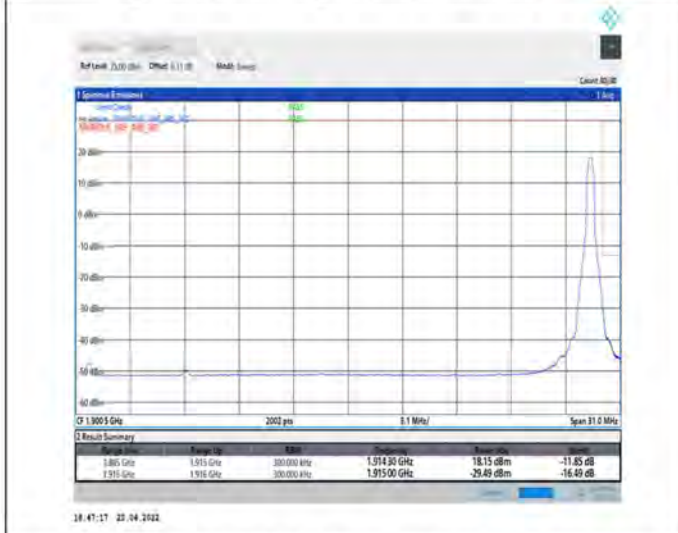
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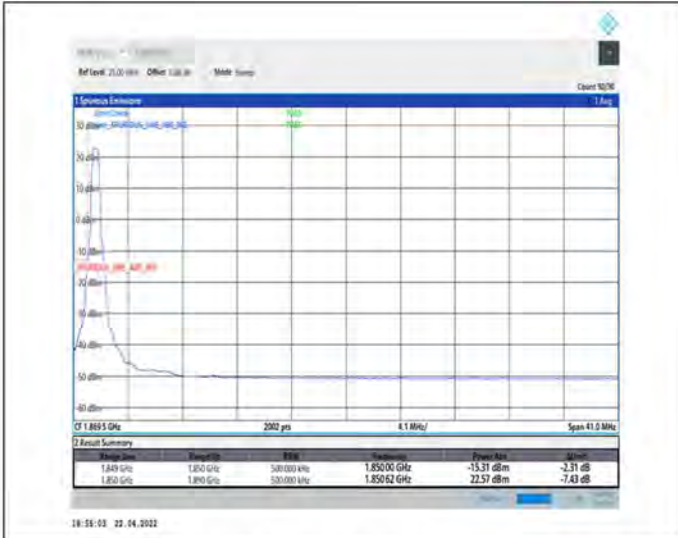
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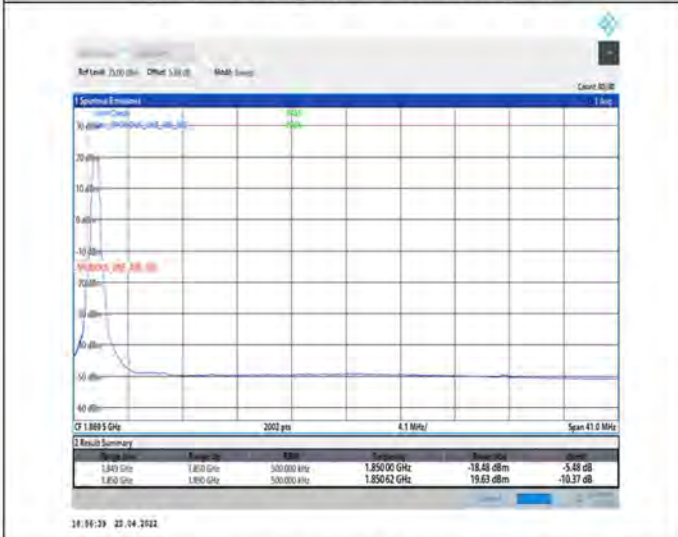
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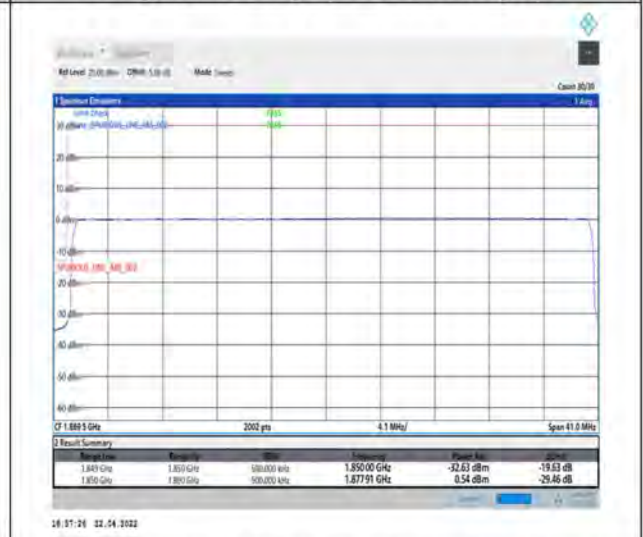
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1-N25--15-40-L-3-DFT-PI2BPSK-Outer_Full-216@0-Ant1-seegraph-PASS-see graph



1-N25--15-40-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant1-seegraph-PASS-see graph



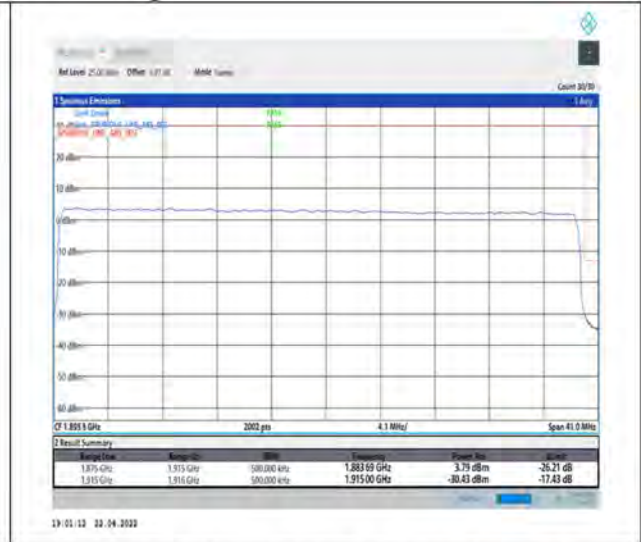
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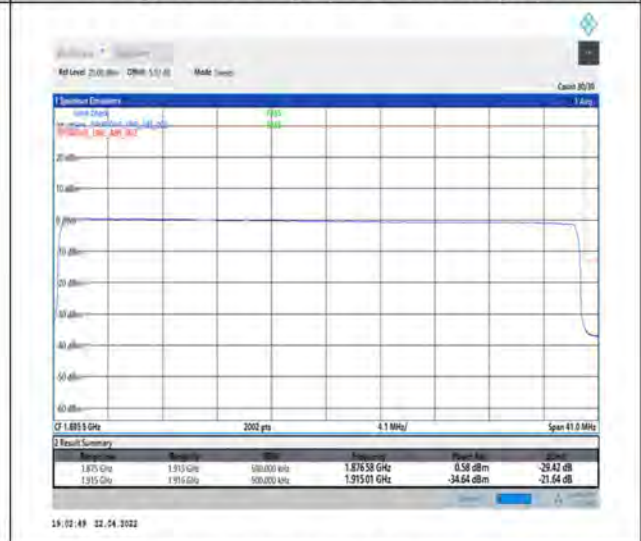
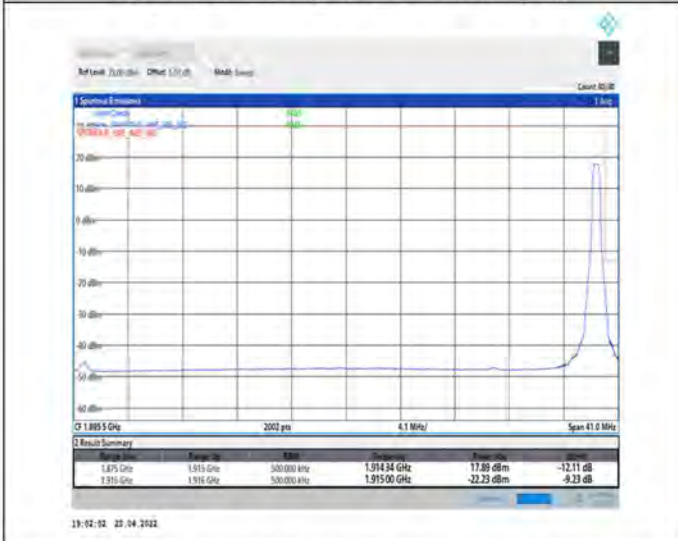
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1-N25--15-40-H-3-DFT-PI2BPSK-Outer_Full-216@0-Ant1-seegraph-PASS-see graph



1-N25--15-40-H-5-CP-QPSK-Edge_1RB_Right-1@215-Ant1-seegraph-PASS-see graph

1-N25--15-40-H-6-CP-QPSK-Outer_Full-216@0-Ant1-seegraph-PASS-see graph



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Test Graphs

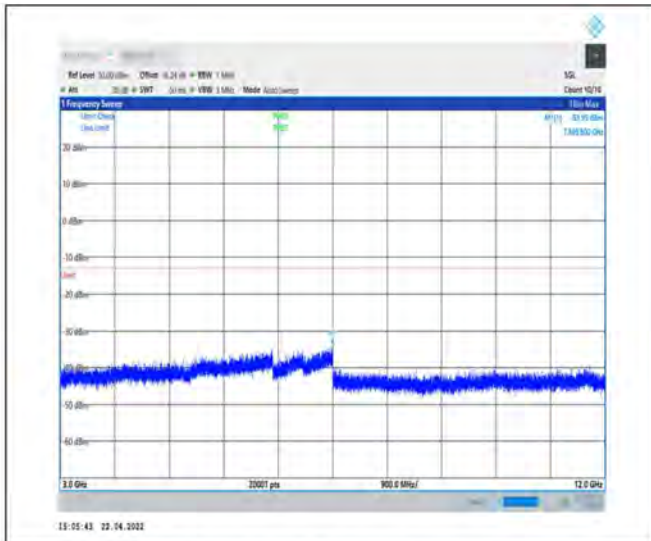
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<p>1-N25--15-40-L-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-30-1000-Ant1--50.19--23-PASS</p>	<p>1-N25--15-40-L-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-1000-3000-Ant1--40.56--13-PASS</p>



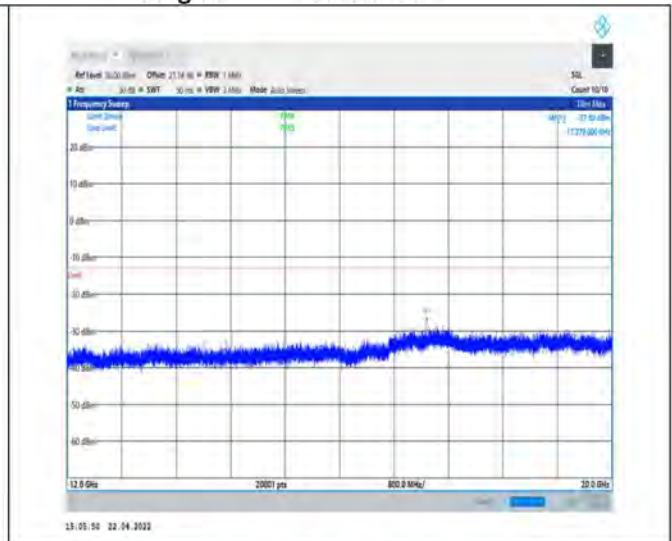
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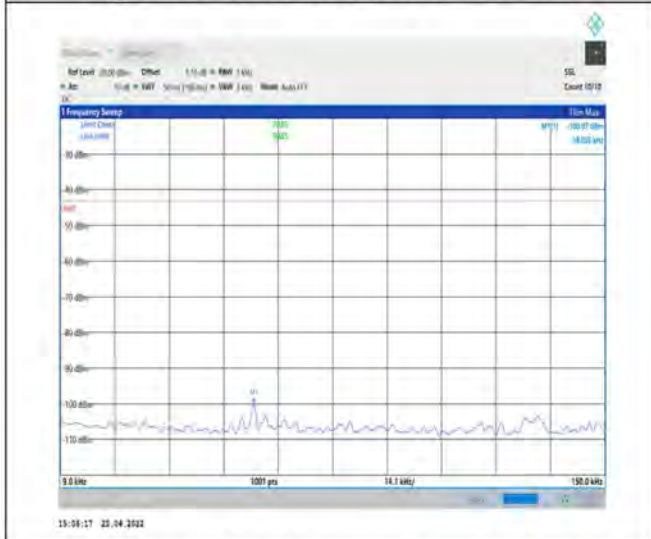
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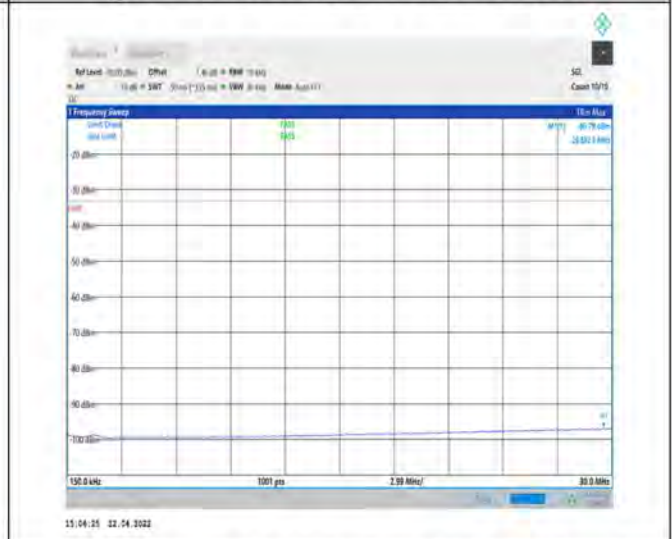
1-N25--15-40-L-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-3000-12000-Ant1--33.95--13-PASS



1-N25--15-40-L-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-12000-20000-Ant1--27.80--13-PASS



1-N25--15-40-M-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-0.009-0.15-Ant1--100.07--43-PASS



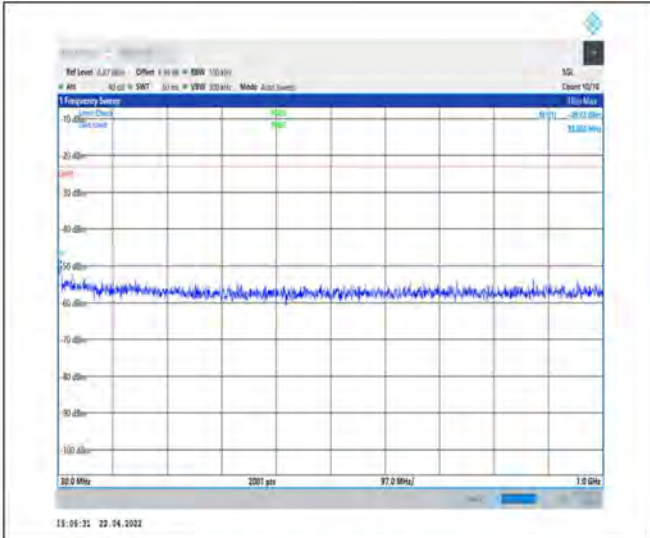
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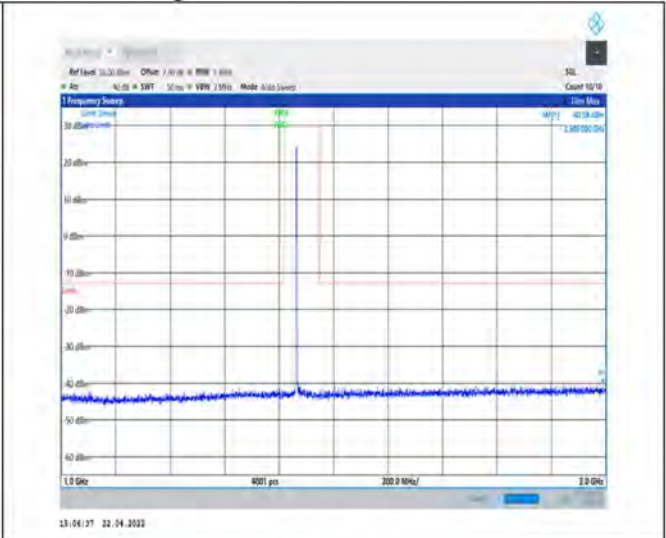
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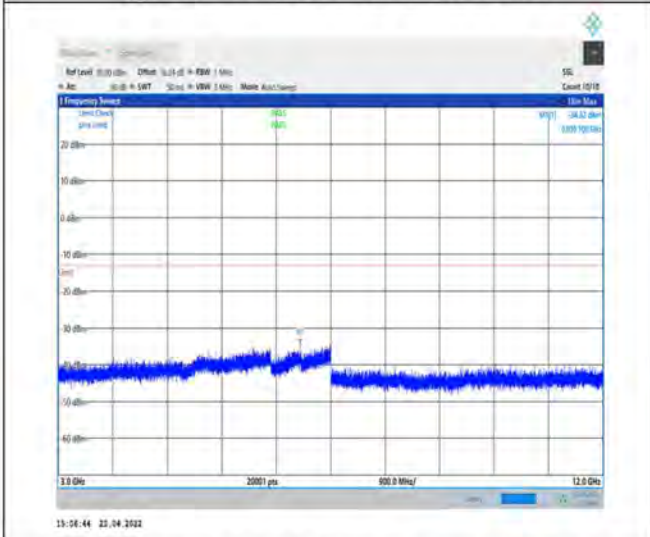
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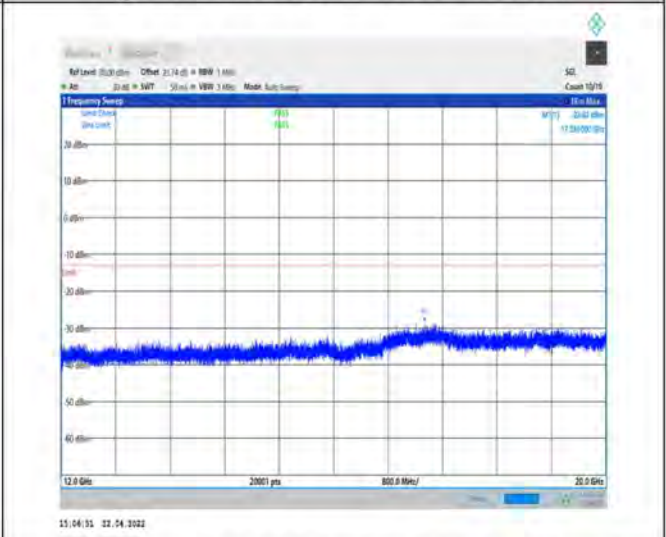
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1-N25--15-40-M-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-1000-3000-Ant1--40.38--13-PASS



1-N25--15-40-M-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-3000-12000-Ant1--34.32--13-PASS



1-N25--15-40-M-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-12000-20000-Ant1--28.62--13-PASS

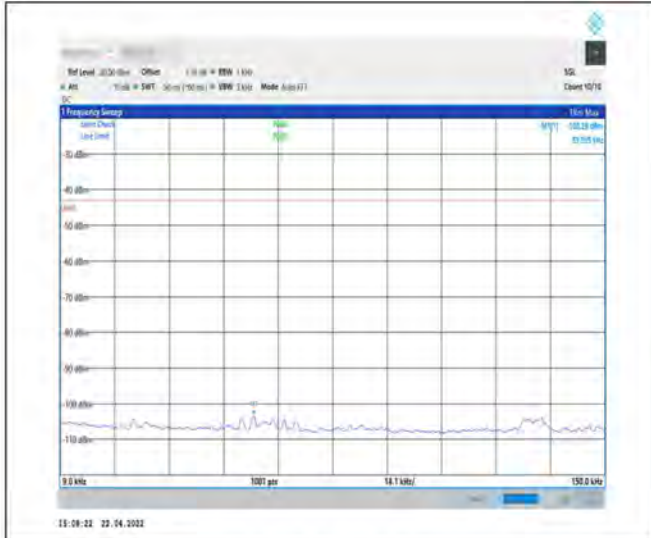


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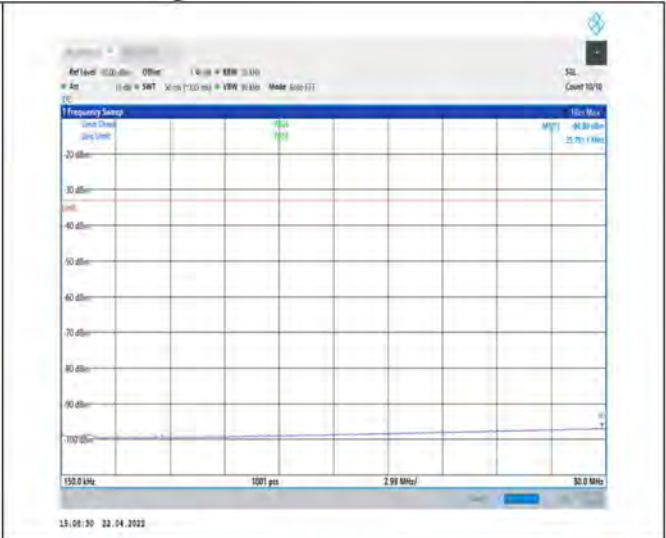
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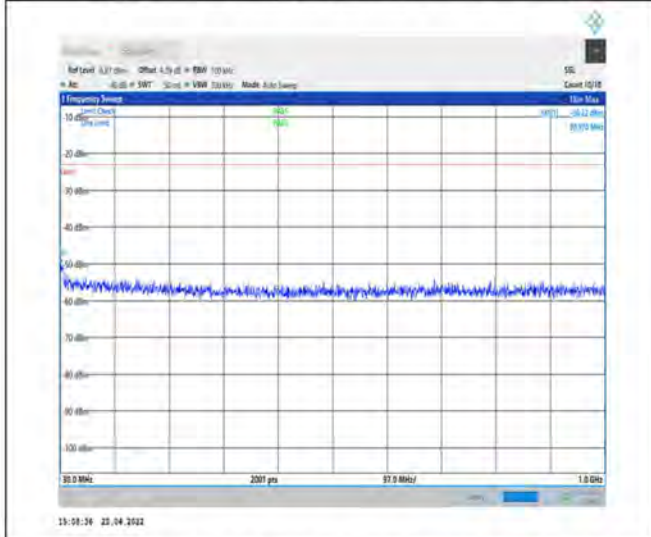
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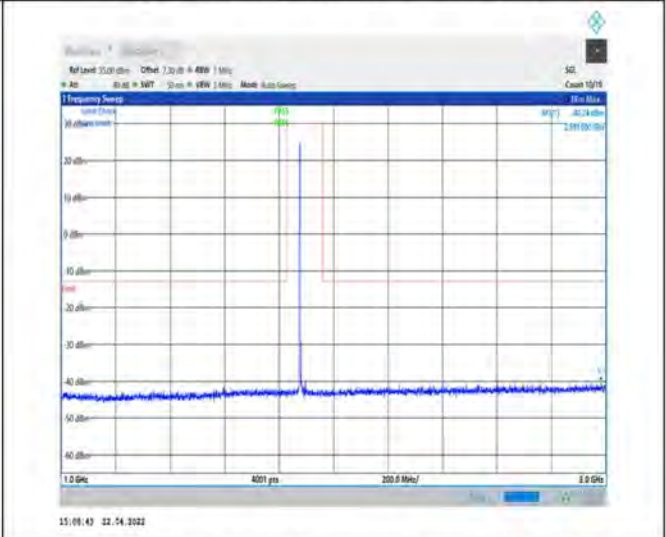
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1-N25--15-40-H-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-0.15-30-Ant1--96.86--33-PASS



1-N25--15-40-H-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-30-1000-Ant1--50.22--23-PASS



1-N25--15-40-H-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-1000-3000-Ant1--40.24--13-PASS

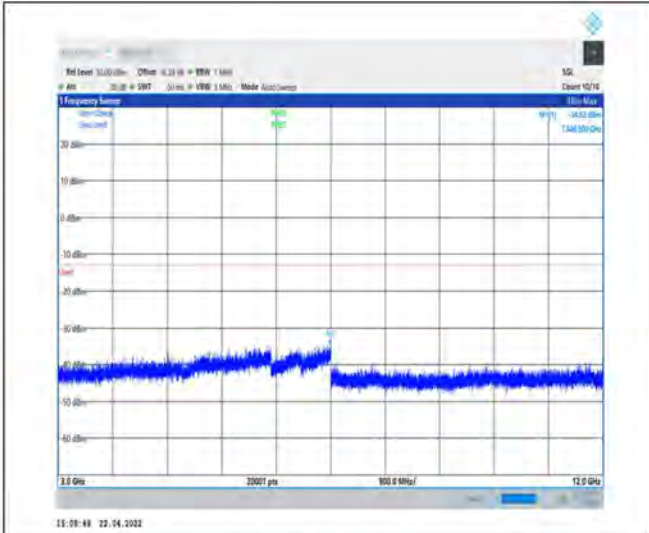


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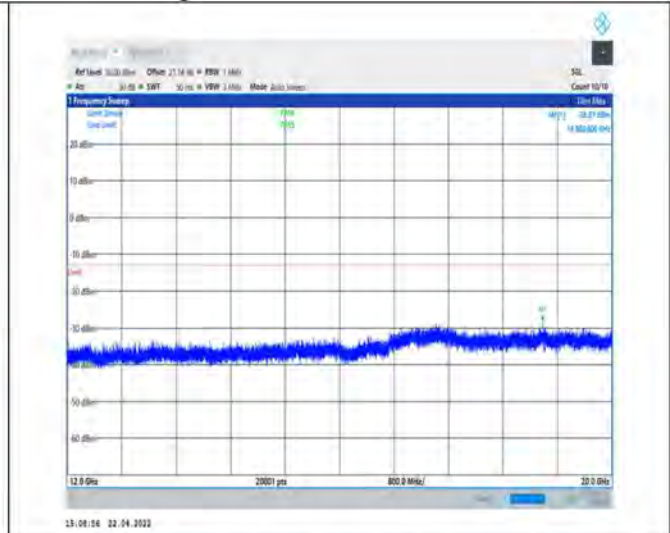
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1-N25--15-40-H-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-3000-12000-Ant1--34.82--13-PASS



1-N25--15-40-H-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-12000-20000-Ant1--28.37--13-PASS



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Field Strength of Spurious Radiation

Test Band = SA Band 25_ TM1

Test Channel = Low Channel

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3704.18	47.71	-111.06	-63.35	-13.00	50.35	142	85	Horizontal
2	5556.27	49.91	-106.35	-56.44	-13.00	43.44	263	132	Horizontal
3	7408.36	47.69	-100.76	-53.07	-13.00	40.07	251	65	Horizontal
4	9260.45	46.77	-95.08	-48.31	-13.00	35.31	178	245	Horizontal
5	11112.54	41.87	-91.10	-49.23	-13.00	36.23	265	255	Horizontal
6	12964.63	42.13	-90.59	-48.46	-13.00	35.46	284	329	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3704.18	47.83	-111.06	-63.23	-13.00	50.23	163	230	Vertical
2	5556.27	49.50	-106.35	-56.85	-13.00	43.85	100	357	Vertical
3	7408.36	48.48	-100.76	-52.28	-13.00	39.28	174	357	Vertical
4	9260.45	46.33	-95.08	-48.75	-13.00	35.75	262	1	Vertical
5	11112.54	43.16	-91.10	-47.94	-13.00	34.94	244	312	Vertical
6	12964.63	43.43	-90.59	-47.16	-13.00	34.16	188	6	Vertical



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Test Band = SA Band 25_ TM1
 Test Channel = Mid Channel

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3729.18	47.81	-110.93	-63.12	-13.00	50.12	142	2	Horizontal
2	5593.77	49.63	-106.22	-56.59	-13.00	43.59	265	294	Horizontal
3	7458.36	46.79	-100.54	-53.75	-13.00	40.75	251	47	Horizontal
4	9322.95	46.55	-95.03	-48.48	-13.00	35.48	144	16	Horizontal
5	11187.54	42.75	-90.86	-48.11	-13.00	35.11	185	327	Horizontal
6	13052.13	43.76	-90.31	-46.55	-13.00	33.55	265	228	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3729.18	48.00	-110.93	-62.93	-13.00	49.93	142	357	Vertical
2	5593.77	51.18	-106.22	-55.04	-13.00	42.04	263	313	Vertical
3	7458.36	46.25	-100.54	-54.29	-13.00	41.29	255	265	Vertical
4	9322.95	47.23	-95.03	-47.80	-13.00	34.80	177	329	Vertical
5	11187.54	42.51	-90.86	-48.35	-13.00	35.35	266	82	Vertical
6	13052.13	43.60	-90.31	-46.71	-13.00	33.71	211	8	Vertical



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Test Band = SA Band 25_ TM1
 Test Channel = High Channel

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3754.18	48.21	-110.80	-62.59	-13.00	49.59	263	96	Horizontal
2	5631.27	49.69	-106.06	-56.37	-13.00	43.37	251	80	Horizontal
3	7508.36	47.54	-100.31	-52.77	-13.00	39.77	178	96	Horizontal
4	9385.45	47.03	-94.89	-47.86	-13.00	34.86	268	329	Horizontal
5	11262.54	43.34	-91.13	-47.79	-13.00	34.79	148	0	Horizontal
6	13139.63	43.97	-90.18	-46.21	-13.00	33.21	144	243	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3754.18	46.92	-110.80	-63.88	-13.00	50.88	263	9	Vertical
2	5631.27	50.12	-106.06	-55.94	-13.00	42.94	284	3	Vertical
3	7508.36	48.22	-100.31	-52.09	-13.00	39.09	175	182	Vertical
4	9385.45	45.80	-94.89	-49.09	-13.00	36.09	298	118	Vertical
5	11262.54	44.14	-91.13	-46.99	-13.00	33.99	244	213	Vertical
6	13139.63	42.97	-90.18	-47.21	-13.00	34.21	144	345	Vertical



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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
N25	15	40	DFT-PI2BPSK	M	Outer_Full	VH	NT	4.800000	0.002550	PASS
N25	15	40	DFT-PI2BPSK	M	Outer_Full	VN	NT	4.100000	0.002178	PASS
N25	15	40	DFT-PI2BPSK	M	Outer_Full	VL	NT	2.300000	0.001222	PASS
N25	15	40	CP-QPSK	M	Outer_Full	VH	NT	2.300000	0.001222	PASS
N25	15	40	CP-QPSK	M	Outer_Full	VN	NT	10.500000	0.005578	PASS
N25	15	40	CP-QPSK	M	Outer_Full	VL	NT	5.900000	0.003134	PASS



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Frequency Error VS. Temperature

Voltage										
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation(Hz)	Deviation (ppm)	Verdict
N25	15	40	DFT-PI2BPSK	M	Outer_Full	NV	-30	9.300000	0.004940	PASS
N25	15	40	DFT-PI2BPSK	M	Outer_Full	NV	-20	8.400000	0.004462	PASS
N25	15	40	DFT-PI2BPSK	M	Outer_Full	NV	-10	15.400000	0.008181	PASS
N25	15	40	DFT-PI2BPSK	M	Outer_Full	NV	0	18.800000	0.009987	PASS
N25	15	40	DFT-PI2BPSK	M	Outer_Full	NV	10	17.600000	0.009349	PASS
N25	15	40	DFT-PI2BPSK	M	Outer_Full	NV	20	15.000000	0.007968	PASS
N25	15	40	DFT-PI2BPSK	M	Outer_Full	NV	30	16.400000	0.008712	PASS
N25	15	40	DFT-PI2BPSK	M	Outer_Full	NV	40	11.600000	0.006162	PASS
N25	15	40	DFT-PI2BPSK	M	Outer_Full	NV	50	5.100000	0.002709	PASS
N25	15	40	CP-QPSK	M	Outer_Full	NV	-30	3.400000	0.001806	PASS
N25	15	40	CP-QPSK	M	Outer_Full	NV	-20	12.000000	0.006375	PASS
N25	15	40	CP-QPSK	M	Outer_Full	NV	-10	3.900000	0.002072	PASS
N25	15	40	CP-QPSK	M	Outer_Full	NV	0	5.200000	0.002762	PASS
N25	15	40	CP-QPSK	M	Outer_Full	NV	10	6.300000	0.003347	PASS
N25	15	40	CP-QPSK	M	Outer_Full	NV	20	4.100000	0.002178	PASS
N25	15	40	CP-QPSK	M	Outer_Full	NV	30	10.600000	0.005631	PASS
N25	15	40	CP-QPSK	M	Outer_Full	NV	40	4.200000	0.002231	PASS
N25	15	40	CP-QPSK	M	Outer_Full	NV	50	8.700000	0.004622	PASS

---End of Attachment---



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