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Appendix B.27

NR Band n71



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Effective (Isotropic) Radiated Power Output Data for SA

Test Result

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Band	SCS	Bandwidth	Modulation	Channel	RB Config	Power (dBm)	ERP (dBm)	Limit	Verdict
N71	15	5	DFT-QPSK	L	Inner_1RB_Left	22.88	18.53	34.77	PASS
N71	15	5	DFT-16QAM	L	Inner_1RB_Left	23.74	19.39	34.77	PASS
N71	15	5	DFT-QPSK	M	Inner_1RB_Left	24.22	19.87	34.77	PASS
N71	15	5	DFT-16QAM	M	Inner_1RB_Left	23.44	19.09	34.77	PASS
N71	15	5	DFT-QPSK	H	Inner_1RB_Left	24.26	19.91	34.77	PASS
N71	15	5	DFT-16QAM	H	Inner_1RB_Left	23.45	19.1	34.77	PASS
N71	15	10	DFT-QPSK	L	Inner_1RB_Left	24.41	20.06	34.77	PASS
N71	15	10	DFT-16QAM	L	Inner_1RB_Left	23.72	19.37	34.77	PASS
N71	15	10	DFT-QPSK	M	Inner_1RB_Left	24.32	19.97	34.77	PASS
N71	15	10	DFT-16QAM	M	Inner_1RB_Left	23.56	19.21	34.77	PASS
N71	15	10	DFT-QPSK	H	Inner_1RB_Left	24.22	19.87	34.77	PASS
N71	15	10	DFT-16QAM	H	Inner_1RB_Left	23.53	19.18	34.77	PASS
N71	15	15	DFT-QPSK	L	Inner_1RB_Left	24.39	20.04	34.77	PASS
N71	15	15	DFT-16QAM	L	Inner_1RB_Left	23.66	19.31	34.77	PASS
N71	15	15	DFT-QPSK	M	Inner_1RB_Left	24.3	19.95	34.77	PASS
N71	15	15	DFT-16QAM	M	Inner_1RB_Left	23.53	19.18	34.77	PASS
N71	15	15	DFT-QPSK	H	Inner_1RB_Left	24.35	20	34.77	PASS
N71	15	15	DFT-16QAM	H	Inner_1RB_Left	23.65	19.3	34.77	PASS
N71	15	20	DFT-PI2BPSK	L	Inner_1RB_Left	24.46	20.11	34.77	PASS
N71	15	20	DFT-PI2BPSK	L	Inner_1RB_Right	24.34	19.99	34.77	PASS
N71	15	20	DFT-PI2BPSK	L	Outer_Full	23.93	19.58	34.77	PASS
N71	15	20	DFT-QPSK	L	Inner_1RB_Left	24.46	20.11	34.77	PASS
N71	15	20	DFT-QPSK	L	Inner_1RB_Right	24.36	20.01	34.77	PASS
N71	15	20	DFT-QPSK	L	Outer_Full	24.03	19.68	34.77	PASS
N71	15	20	DFT-16QAM	L	Inner_1RB_Left	23.65	19.3	34.77	PASS
N71	15	20	DFT-16QAM	L	Inner_1RB_Right	23.41	19.06	34.77	PASS
N71	15	20	DFT-16QAM	L	Outer_Full	23.12	18.77	34.77	PASS
N71	15	20	DFT-64QAM	L	Inner_1RB_Left	22.63	18.28	34.77	PASS
N71	15	20	DFT-64QAM	L	Inner_1RB_Right	22.56	18.21	34.77	PASS
N71	15	20	DFT-64QAM	L	Outer_Full	21.89	17.54	34.77	PASS



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N71	15	20	DFT-256QAM	L	Inner_1RB_Left	19.95	15.6	34.77	PASS
N71	15	20	DFT-256QAM	L	Inner_1RB_Right	19.86	15.51	34.77	PASS
N71	15	20	DFT-256QAM	L	Outer_Full	19.92	15.57	34.77	PASS
N71	15	20	DFT-PI2BPSK	M	Inner_1RB_Left	24.45	20.1	34.77	PASS
N71	15	20	DFT-PI2BPSK	M	Inner_1RB_Right	24.44	20.09	34.77	PASS
N71	15	20	DFT-PI2BPSK	M	Outer_Full	23.89	19.54	34.77	PASS
N71	15	20	DFT-QPSK	M	Inner_1RB_Left	24.43	20.08	34.77	PASS
N71	15	20	DFT-QPSK	M	Inner_1RB_Right	24.39	20.04	34.77	PASS
N71	15	20	DFT-QPSK	M	Outer_Full	23.44	19.09	34.77	PASS
N71	15	20	DFT-16QAM	M	Inner_1RB_Left	23.66	19.31	34.77	PASS
N71	15	20	DFT-16QAM	M	Inner_1RB_Right	23.62	19.27	34.77	PASS
N71	15	20	DFT-16QAM	M	Outer_Full	22.43	18.08	34.77	PASS
N71	15	20	DFT-64QAM	M	Inner_1RB_Left	22.15	17.8	34.77	PASS
N71	15	20	DFT-64QAM	M	Inner_1RB_Right	22.09	17.74	34.77	PASS
N71	15	20	DFT-64QAM	M	Outer_Full	21.94	17.59	34.77	PASS
N71	15	20	DFT-256QAM	M	Inner_1RB_Left	19.94	15.59	34.77	PASS
N71	15	20	DFT-256QAM	M	Inner_1RB_Right	19.91	15.56	34.77	PASS
N71	15	20	DFT-256QAM	M	Outer_Full	19.91	15.56	34.77	PASS
N71	15	20	DFT-PI2BPSK	H	Inner_1RB_Left	24.26	19.91	34.77	PASS
N71	15	20	DFT-PI2BPSK	H	Inner_1RB_Right	24.41	20.06	34.77	PASS
N71	15	20	DFT-PI2BPSK	H	Outer_Full	23.84	19.49	34.77	PASS
N71	15	20	DFT-QPSK	H	Inner_1RB_Left	24.27	19.92	34.77	PASS
N71	15	20	DFT-QPSK	H	Inner_1RB_Right	24.4	20.05	34.77	PASS
N71	15	20	DFT-QPSK	H	Outer_Full	24.13	19.78	34.77	PASS
N71	15	20	DFT-16QAM	H	Inner_1RB_Left	23.36	19.01	34.77	PASS
N71	15	20	DFT-16QAM	H	Inner_1RB_Right	23.41	19.06	34.77	PASS
N71	15	20	DFT-16QAM	H	Outer_Full	23.06	18.71	34.77	PASS
N71	15	20	DFT-64QAM	H	Inner_1RB_Left	21.56	17.21	34.77	PASS
N71	15	20	DFT-64QAM	H	Inner_1RB_Right	21.63	17.28	34.77	PASS
N71	15	20	DFT-64QAM	H	Outer_Full	21.22	16.87	34.77	PASS
N71	15	20	DFT-256QAM	H	Inner_1RB_Left	19.77	15.42	34.77	PASS
N71	15	20	DFT-256QAM	H	Inner_1RB_Right	19.93	15.58	34.77	PASS
N71	15	20	DFT-256QAM	H	Outer_Full	19.84	15.49	34.77	PASS



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Peak-to-Average Ratio for SA

Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result	Limit	Verdict
N71	15	20	DFT-256QAM	L	Outer_Full	6.26	13	PASS
N71	15	20	CP-256QAM	L	Outer_Full	6.65	13	PASS
N71	15	20	DFT-256QAM	M	Outer_Full	6.09	13	PASS
N71	15	20	CP-256QAM	M	Outer_Full	6.59	13	PASS
N71	15	20	DFT-256QAM	H	Outer_Full	6.65	13	PASS
N71	15	20	CP-256QAM	H	Outer_Full	6.51	13	PASS

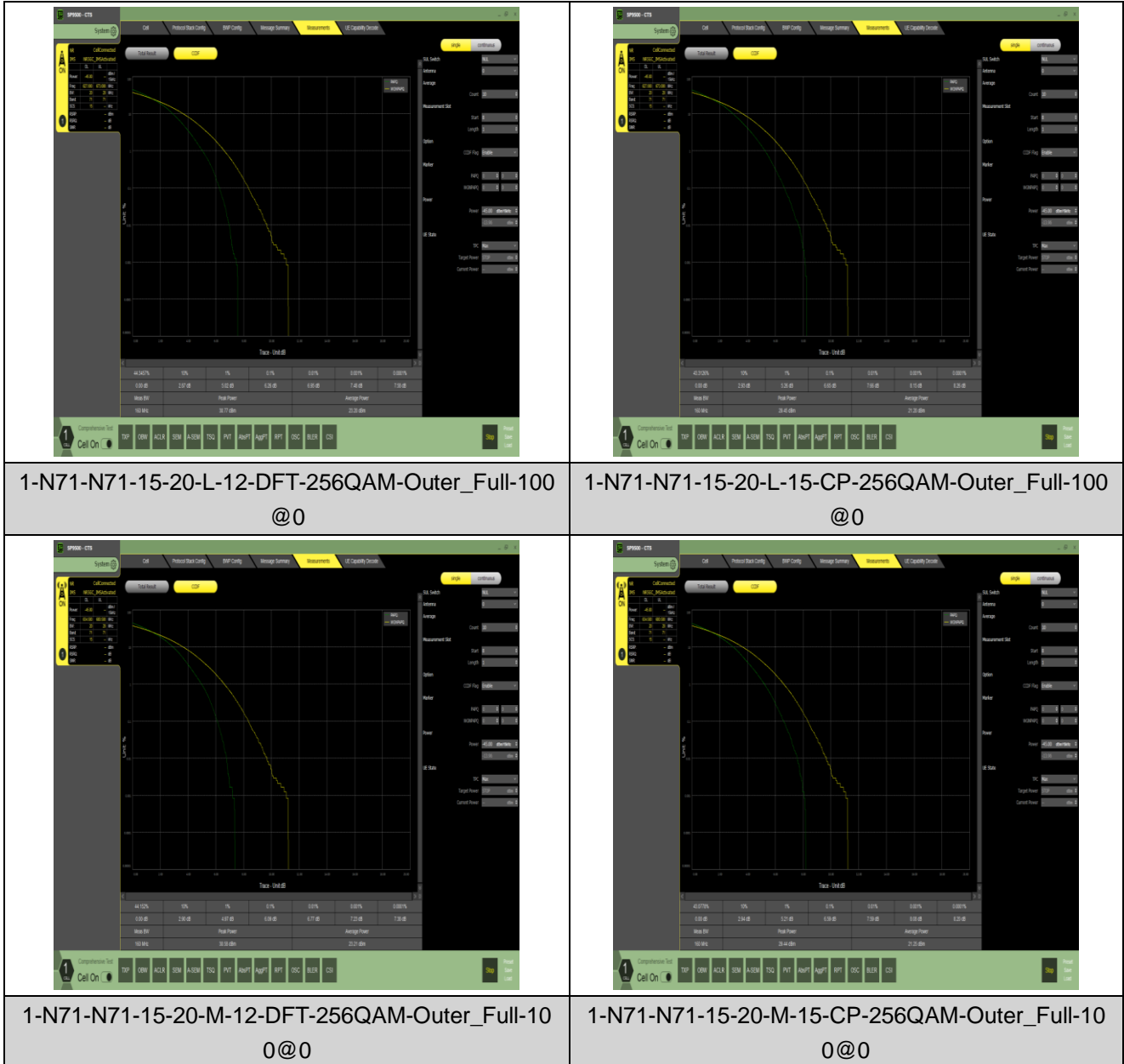


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Test Graphs



1-N71-N71-15-20-L-12-DFT-256QAM-Outer_Full-100 @0

1-N71-N71-15-20-L-15-CP-256QAM-Outer_Full-100 @0

1-N71-N71-15-20-M-12-DFT-256QAM-Outer_Full-10 0@@

1-N71-N71-15-20-M-15-CP-256QAM-Outer_Full-10 0@@



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1-N71-N71-15-20-H-12-DFT-256QAM-Outer_Full-100

@0



1-N71-N71-15-20-H-15-CP-256QAM-Outer_Full-100

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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
N71	15	5	DFT-QPSK	M	Outer_Full	4.518	4.980	PASS
N71	15	5	DFT-PI2BPSK	M	Outer_Full	4.501	4.940	PASS
N71	15	5	DFT-16QAM	M	Outer_Full	4.501	4.960	PASS
N71	15	5	DFT-64QAM	M	Outer_Full	4.5	4.920	PASS
N71	15	5	DFT-256QAM	M	Outer_Full	4.5	4.920	PASS
N71	15	5	CP-QPSK	M	Outer_Full	4.515	5.000	PASS
N71	15	5	CP-16QAM	M	Outer_Full	4.499	4.930	PASS
N71	15	5	CP-64QAM	M	Outer_Full	4.497	4.970	PASS
N71	15	5	CP-256QAM	M	Outer_Full	4.483	4.930	PASS
N71	15	10	DFT-QPSK	M	Outer_Full	8.912	9.400	PASS
N71	15	10	DFT-PI2BPSK	M	Outer_Full	8.957	9.480	PASS
N71	15	10	DFT-16QAM	M	Outer_Full	8.918	9.460	PASS
N71	15	10	DFT-64QAM	M	Outer_Full	8.936	9.480	PASS
N71	15	10	DFT-256QAM	M	Outer_Full	8.92	9.460	PASS
N71	15	10	CP-QPSK	M	Outer_Full	9.29	9.820	PASS
N71	15	10	CP-16QAM	M	Outer_Full	9.307	9.840	PASS
N71	15	10	CP-64QAM	M	Outer_Full	9.293	9.840	PASS
N71	15	10	CP-256QAM	M	Outer_Full	9.276	9.840	PASS
N71	15	15	DFT-QPSK	M	Outer_Full	13.467	14.430	PASS
N71	15	15	DFT-PI2BPSK	M	Outer_Full	13.493	14.310	PASS
N71	15	15	DFT-16QAM	M	Outer_Full	13.447	14.340	PASS
N71	15	15	DFT-64QAM	M	Outer_Full	13.487	14.340	PASS
N71	15	15	DFT-256QAM	M	Outer_Full	13.445	14.220	PASS
N71	15	15	CP-QPSK	M	Outer_Full	14.172	15.060	PASS
N71	15	15	CP-16QAM	M	Outer_Full	14.188	15.120	PASS
N71	15	15	CP-64QAM	M	Outer_Full	14.187	15.120	PASS
N71	15	15	CP-256QAM	M	Outer_Full	14.177	15.060	PASS
N71	15	20	DFT-QPSK	M	Outer_Full	17.899	18.840	PASS
N71	15	20	DFT-PI2BPSK	M	Outer_Full	17.922	18.880	PASS
N71	15	20	DFT-16QAM	M	Outer_Full	17.895	18.880	PASS



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N71	15	20	DFT-64QAM	M	Outer_Full	17.918	18.880	PASS
N71	15	20	DFT-256QAM	M	Outer_Full	17.885	18.840	PASS
N71	15	20	CP-QPSK	M	Outer_Full	18.982	19.920	PASS
N71	15	20	CP-16QAM	M	Outer_Full	18.95	20.080	PASS
N71	15	20	CP-64QAM	M	Outer_Full	18.989	20.000	PASS
N71	15	20	CP-256QAM	M	Outer_Full	18.919	20.000	PASS

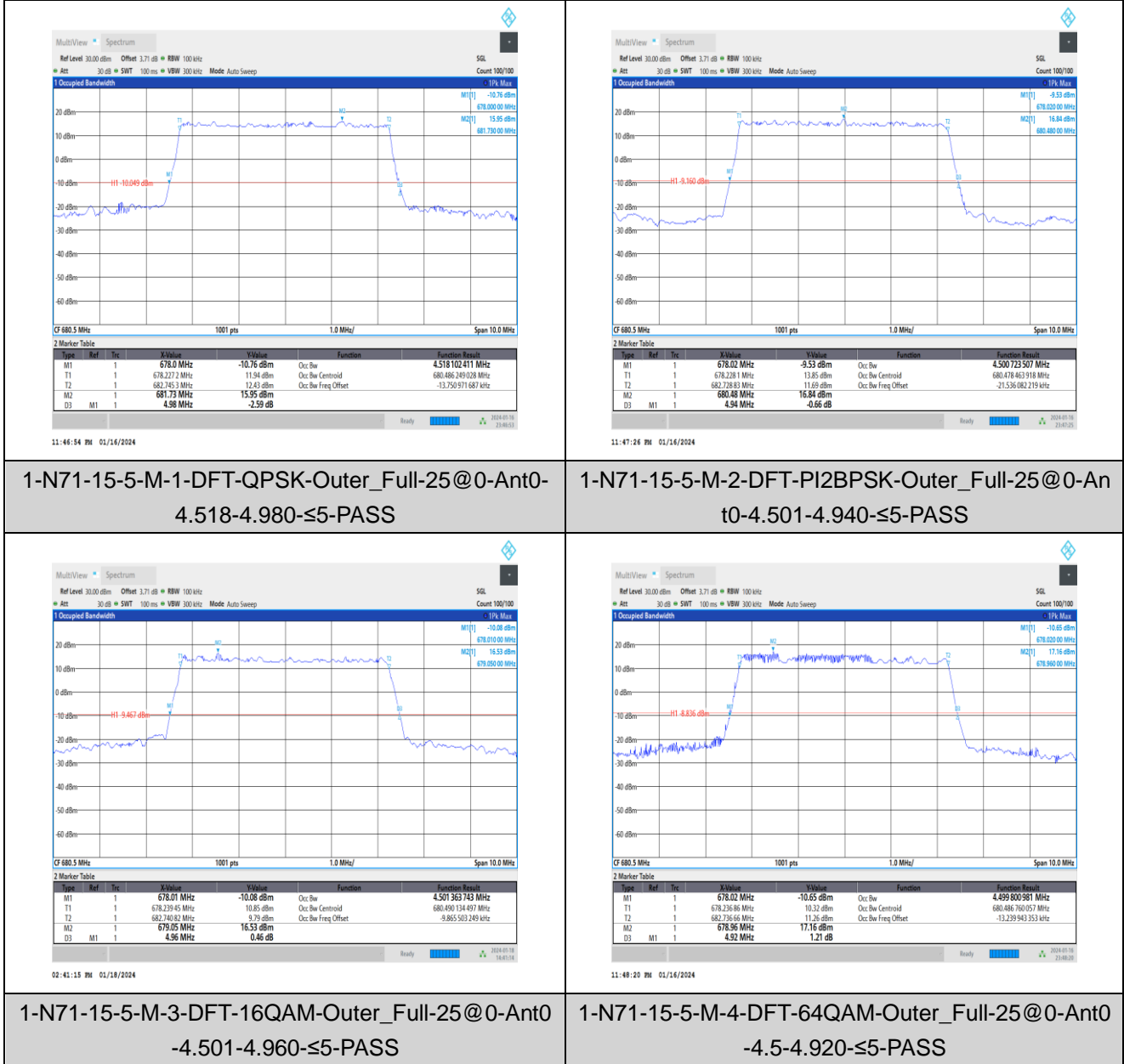


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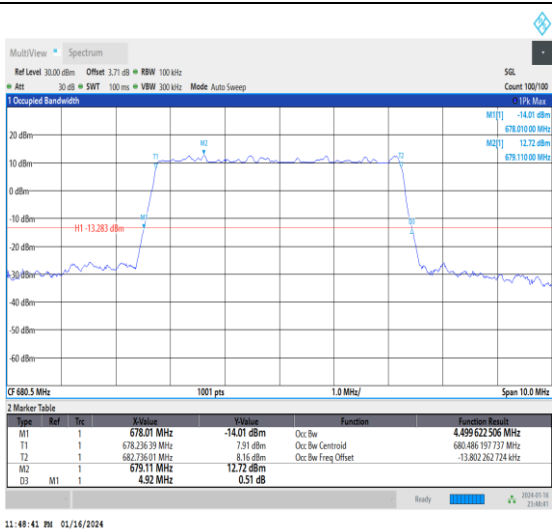
Test Graphs



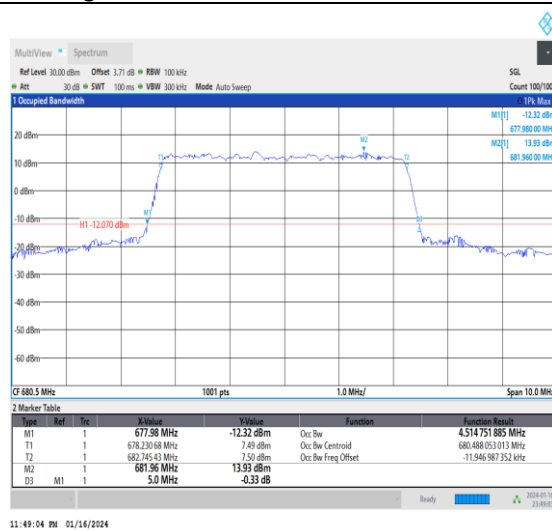
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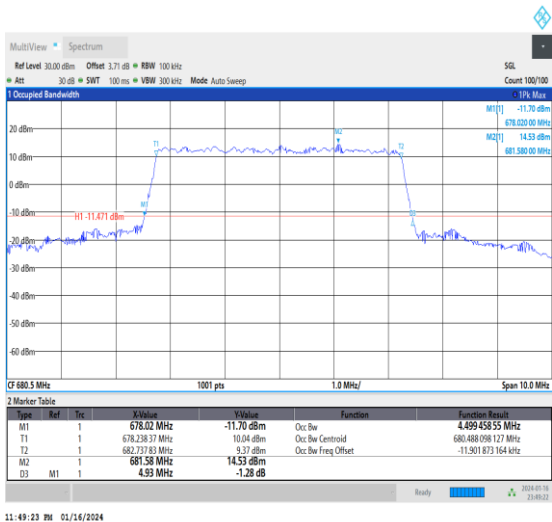
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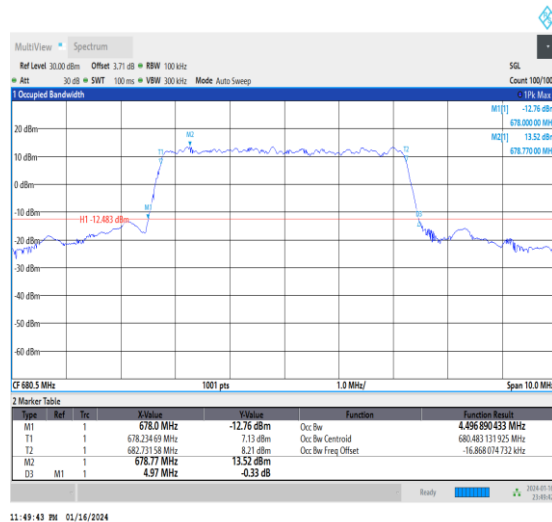
1-N71-15-5-M-5-DFT-256QAM-Outer_Full-25@0-Ant
 0-4.5-4.920-≤5-PASS



1-N71-15-5-M-6-CP-QPSK-Outer_Full-25@0-Ant0-4
 .515-5.000-≤5-PASS



1-N71-15-5-M-7-CP-16QAM-Outer_Full-25@0-Ant0-4
 4.499-4.930-≤5-PASS



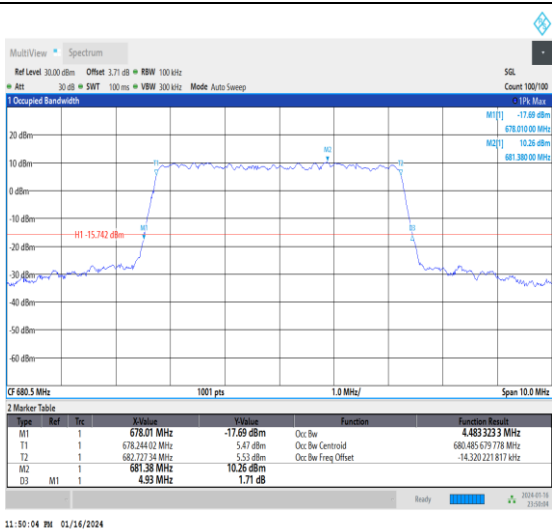
1-N71-15-5-M-8-CP-64QAM-Outer_Full-25@0-Ant0-4
 4.497-4.970-≤5-PASS



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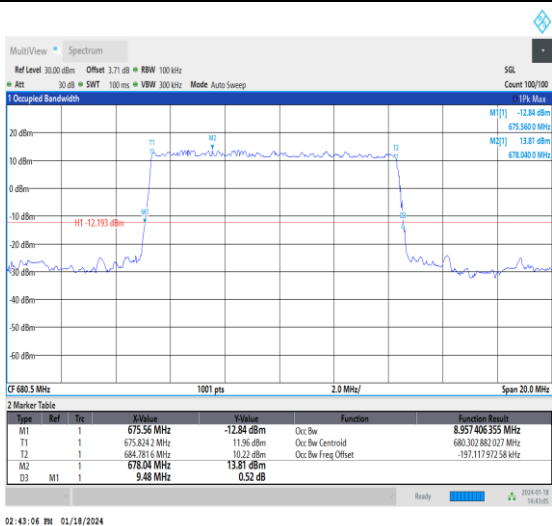
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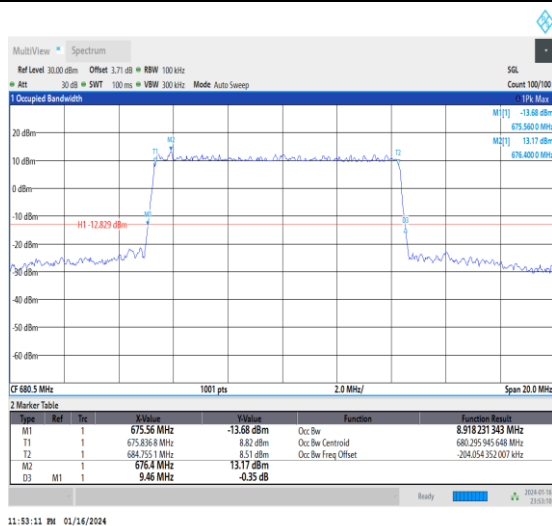
1-N71-15-5-M-9-CP-256QAM-Outer_Full-25@0-Ant0
 -4.483-4.930-≤5-PASS



1-N71-15-10-M-1-DFT-QPSK-Outer_Full-50@0-Ant0
 -8.912-9.400-≤10-PASS



1-N71-15-10-M-2-DFT-PI2BPSK-Outer_Full-50@0-Ant0
 -8.957-9.480-≤10-PASS



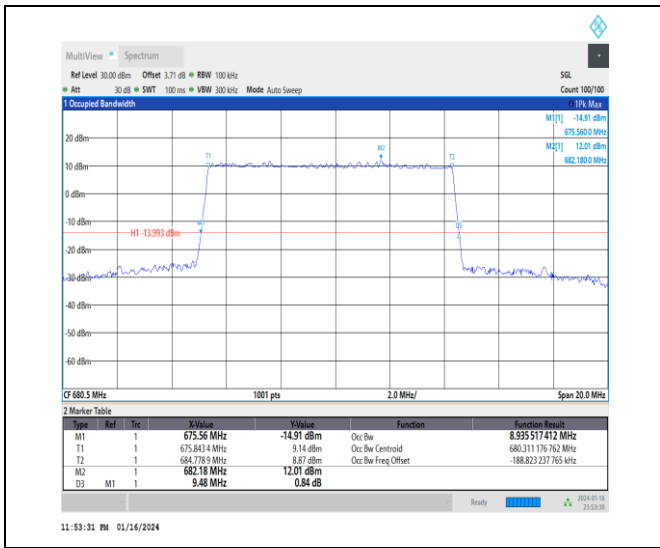
1-N71-15-10-M-3-DFT-16QAM-Outer_Full-50@0-Ant0
 0-8.918-9.460-≤10-PASS



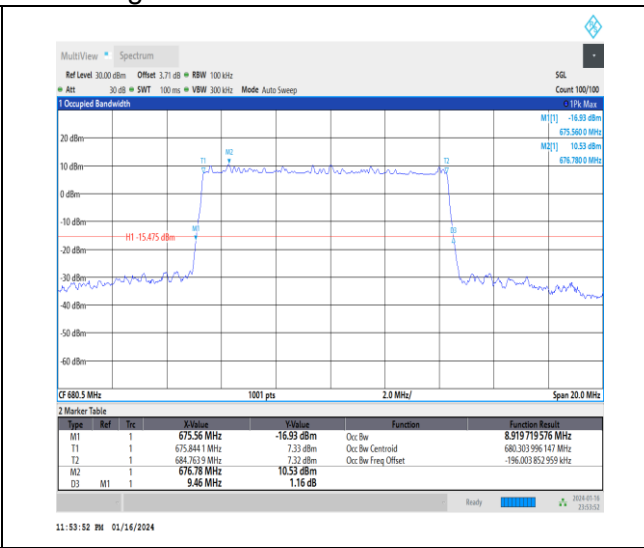
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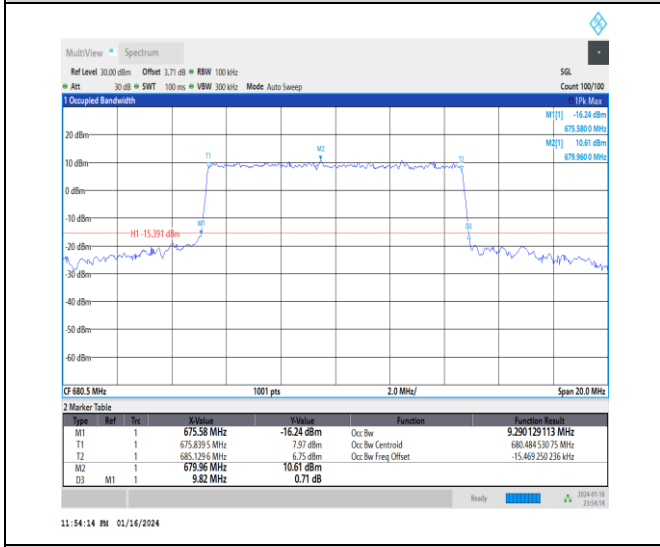
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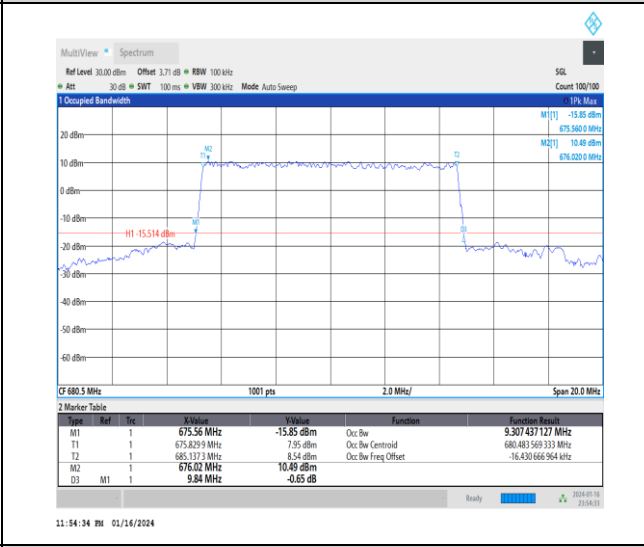
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 0-8.936-9.480-≤10-PASS



1-N71-15-10-M-5-DFT-256QAM-Outer_Full-50@0-A
 nt0-8.92-9.460-≤10-PASS



1-N71-15-10-M-6-CP-QPSK-Outer_Full-52@0-Ant0-
 9.29-9.820-≤10-PASS



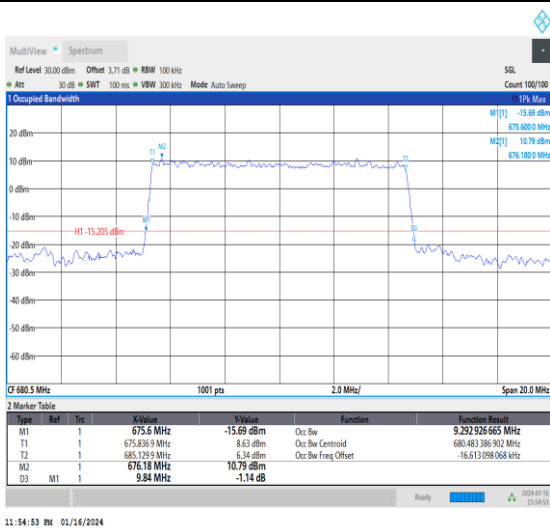
1-N71-15-10-M-7-CP-16QAM-Outer_Full-52@0-Ant
 0-9.307-9.840-≤10-PASS



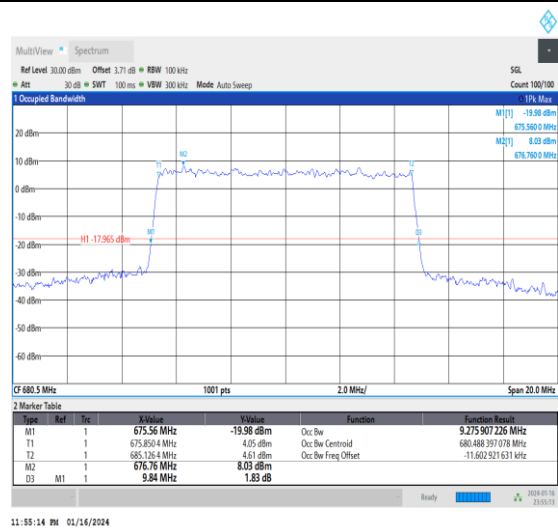
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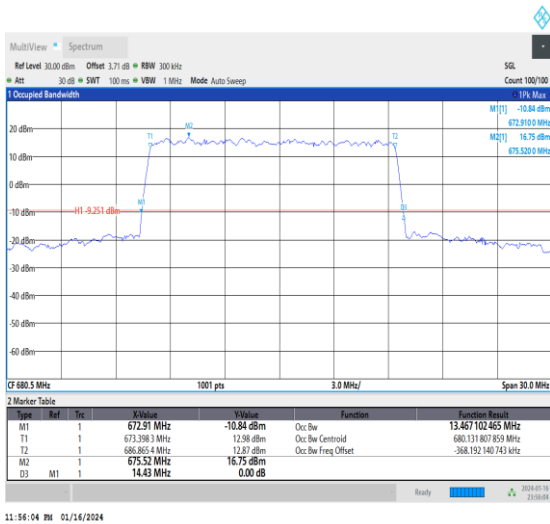
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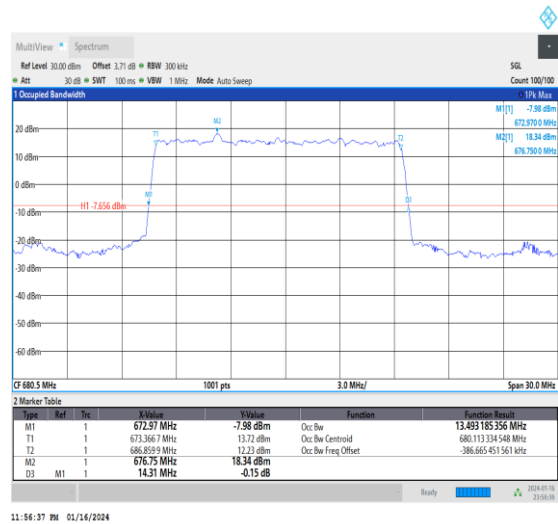
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-9.293-9.840-≤10-PASS



1-N71-15-10-M-9-CP-256QAM-Outer_Full-52@0-Ant0
-9.276-9.840-≤10-PASS



1-N71-15-15-M-1-DFT-QPSK-Outer_Full-75@0-Ant0
-13.467-14.430-≤15-PASS



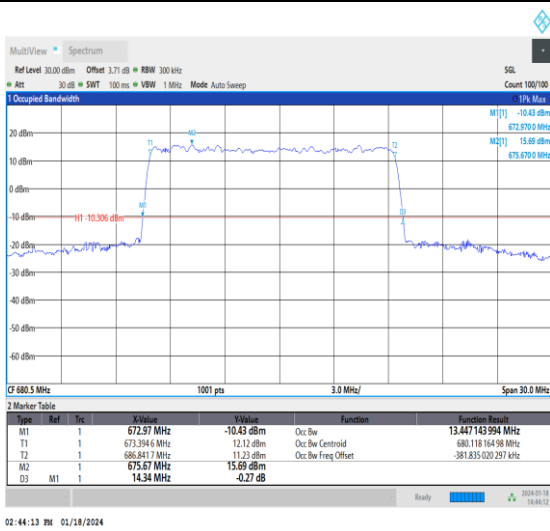
1-N71-15-15-M-2-DFT-PI2BPSK-Outer_Full-75@0-Ant0
-13.493-14.310-≤15-PASS



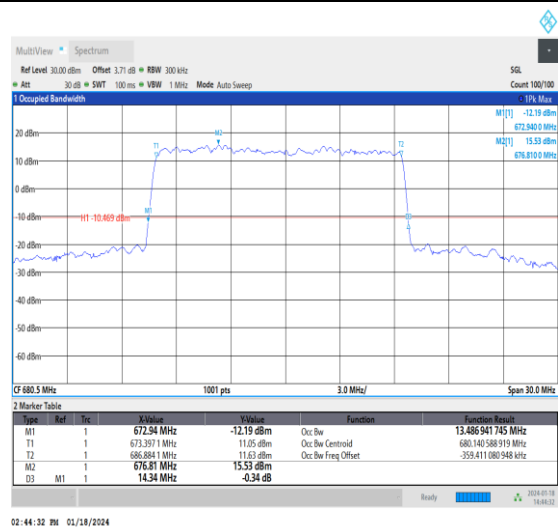
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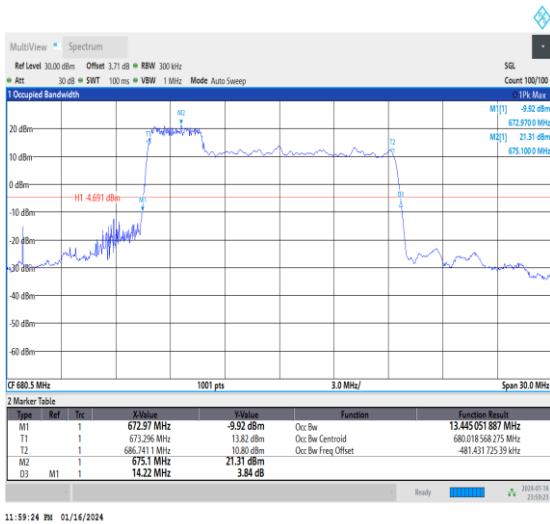
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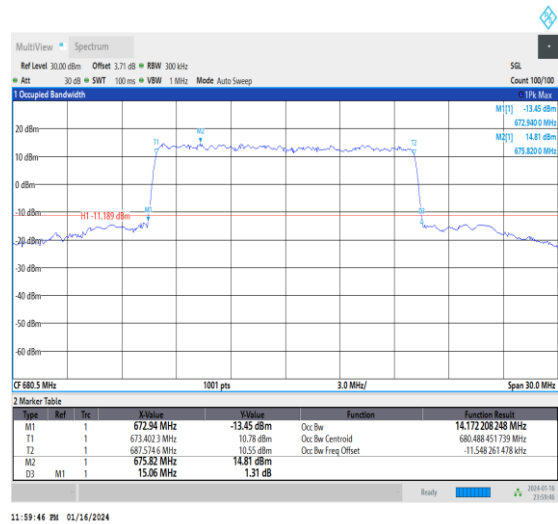
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0-13.447-14.340-≤15-PASS



1-N71-15-15-M-4-DFT-64QAM-Outer_Full-75@0-Ant
0-13.487-14.340-≤15-PASS



1-N71-15-15-M-5-DFT-256QAM-Outer_Full-75@0-A
nt0-13.445-14.220-≤15-PASS



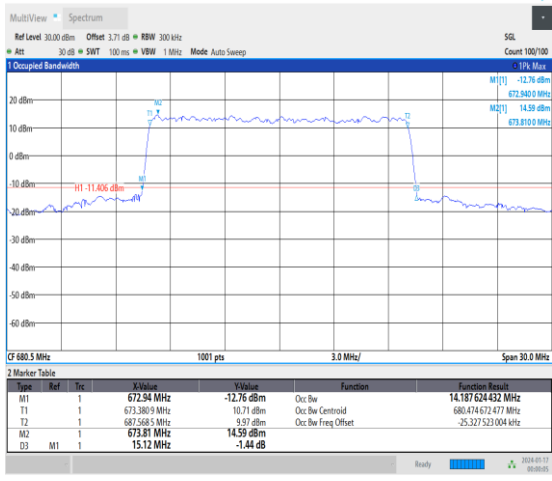
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14.172-15.060-≤15-PASS



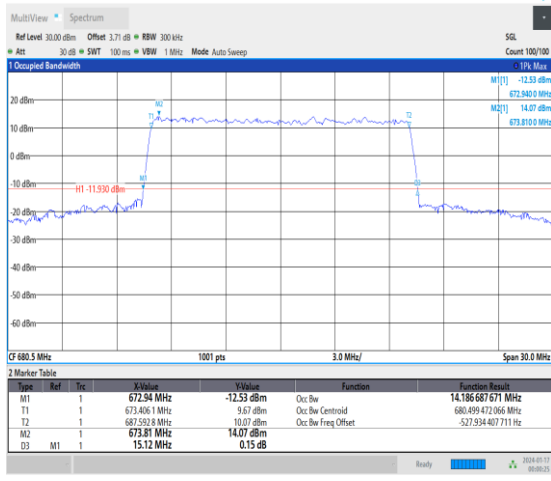
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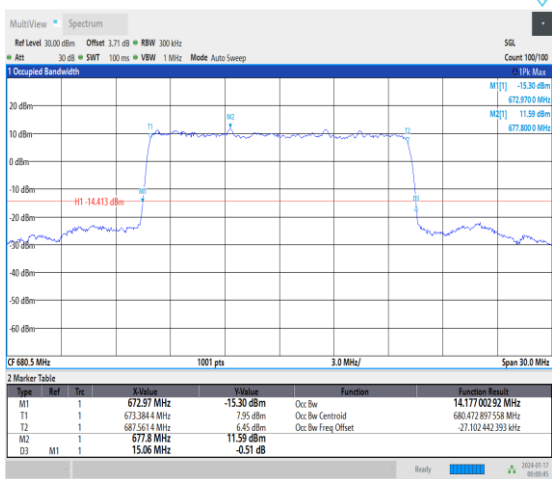
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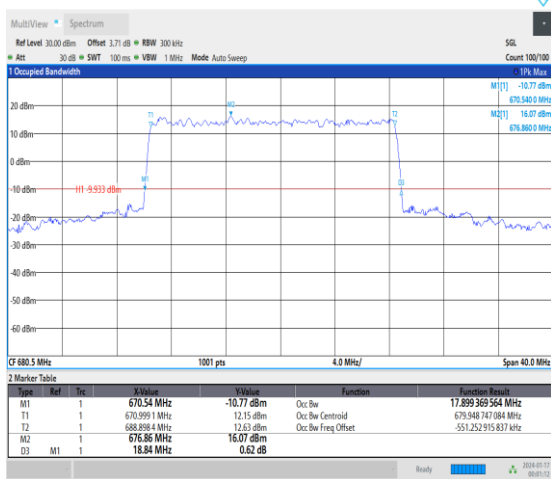
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 -14.188-15.120-≤15-PASS



1-N71-15-15-M-8-CP-64QAM-Outer_Full-79@0-Ant0
 0-14.187-15.120-≤15-PASS



1-N71-15-15-M-9-CP-256QAM-Outer_Full-79@0-Ant0
 0-14.177-15.060-≤15-PASS



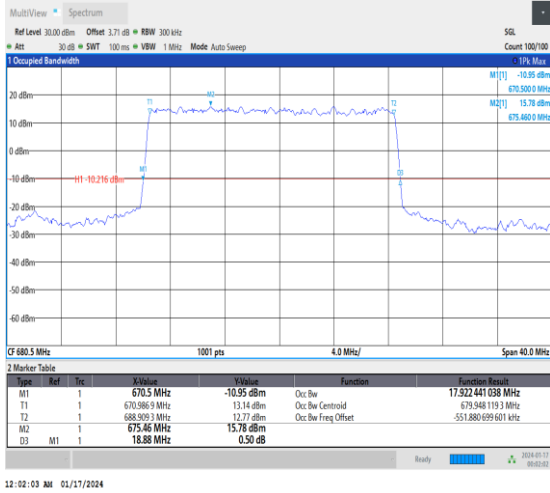
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 0-17.899-18.840-≤20-PASS



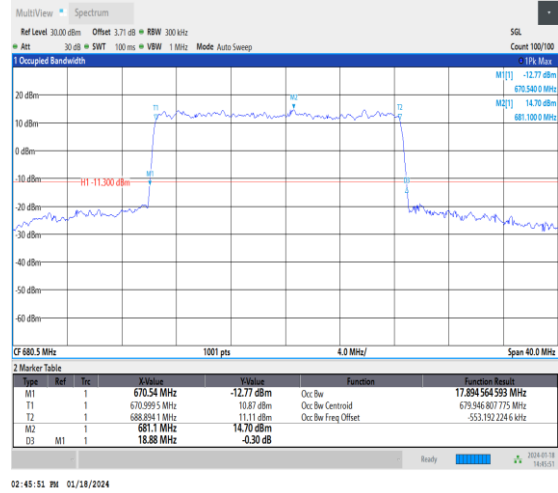
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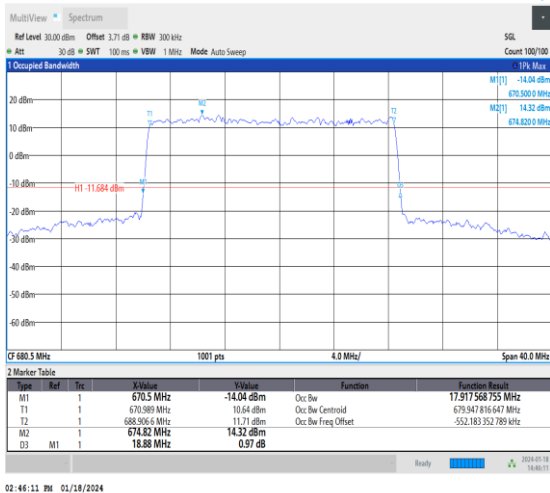
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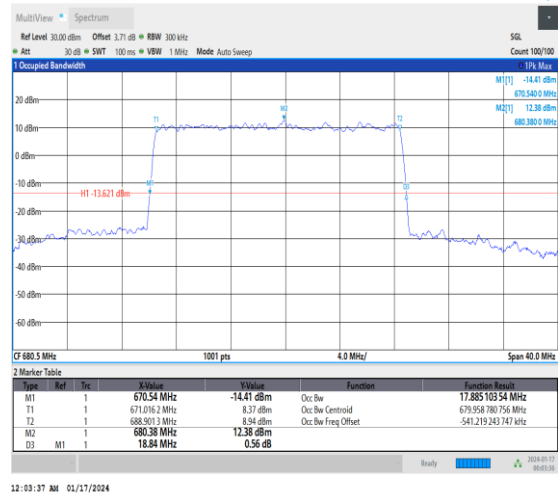
1-N71-15-20-M-2-DFT-PI2BPSK-Outer_Full-100@0-Ant0-17.922-18.880-≤20-PASS



1-N71-15-20-M-3-DFT-16QAM-Outer_Full-100@0-Ant0-17.895-18.880-≤20-PASS



1-N71-15-20-M-4-DFT-64QAM-Outer_Full-100@0-Ant0-17.918-18.880-≤20-PASS



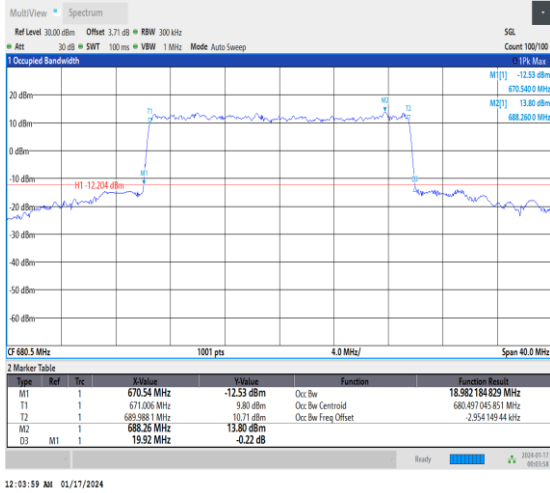
1-N71-15-20-M-5-DFT-256QAM-Outer_Full-100@0-Ant0-17.885-18.840-≤20-PASS



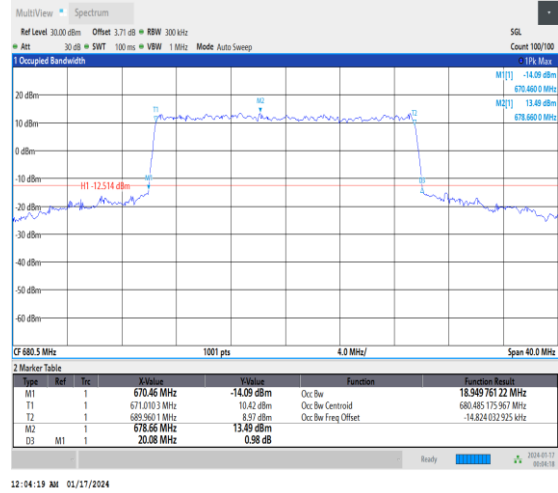
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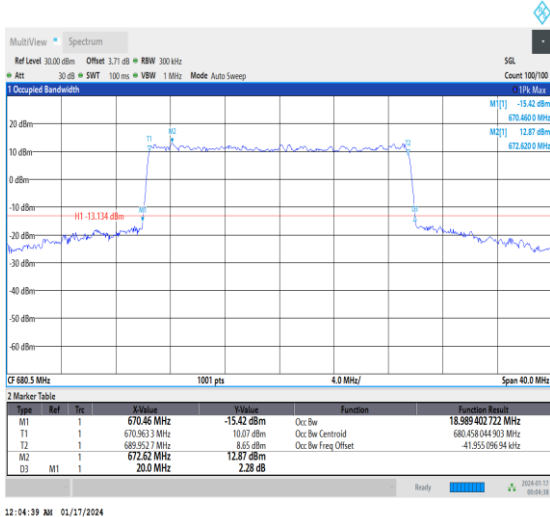
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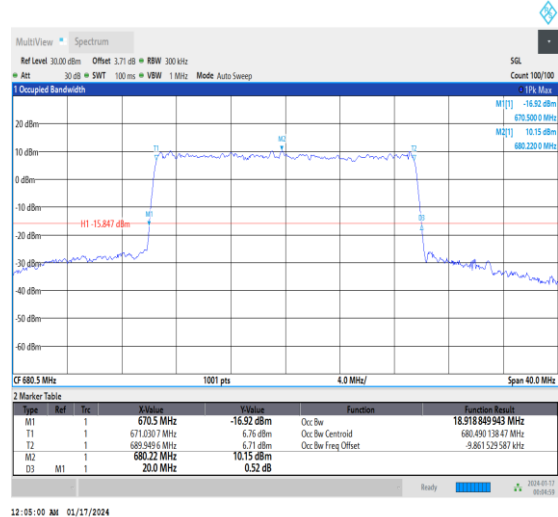
1-N71-15-20-M-6-CP-QPSK-Outer_Full-106@0-Ant0
-18.982-19.920-≤20-PASS



1-N71-15-20-M-7-CP-16QAM-Outer_Full-106@0-Ant0
t0-18.95-20.080-≤20-PASS



1-N71-15-20-M-8-CP-64QAM-Outer_Full-106@0-Ant0
0-18.989-20.000-≤20-PASS



1-N71-15-20-M-9-CP-256QAM-Outer_Full-106@0-Ant0
nt0-18.919-20.000-≤20-PASS



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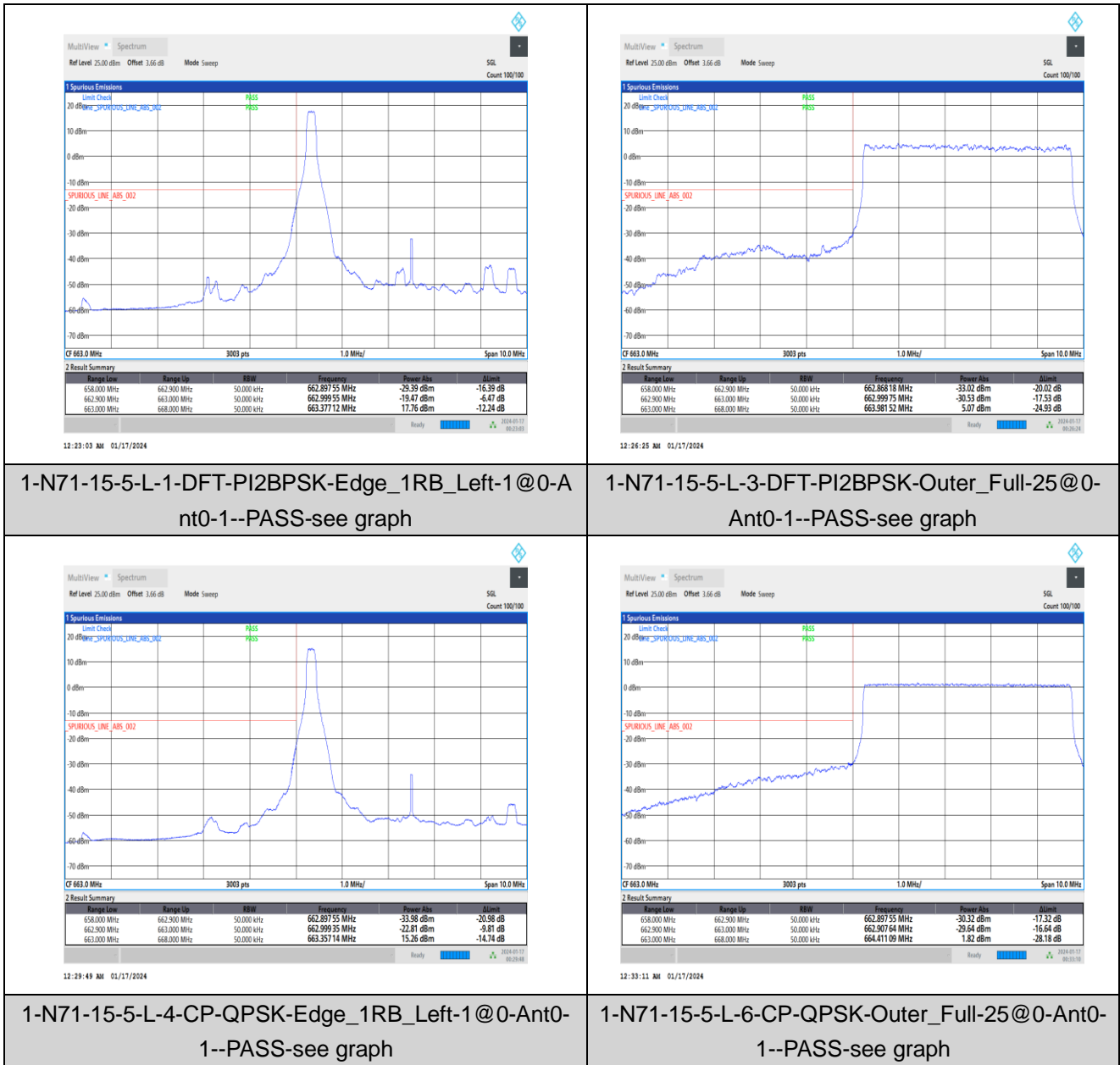
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Band Edge for SA

Test Graphs

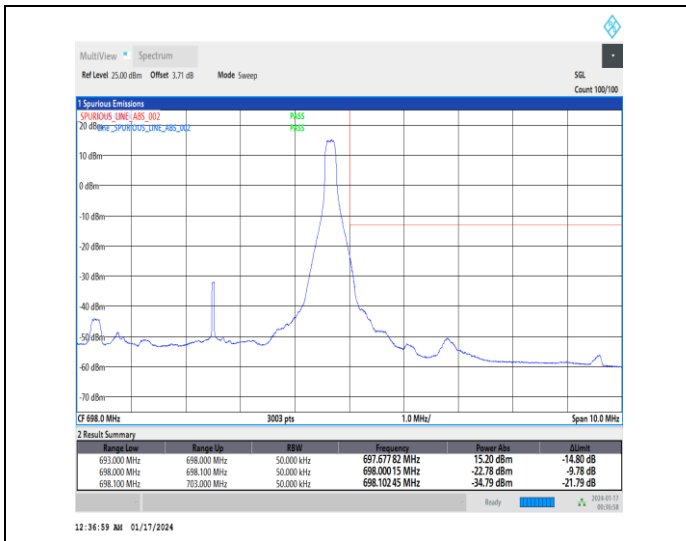


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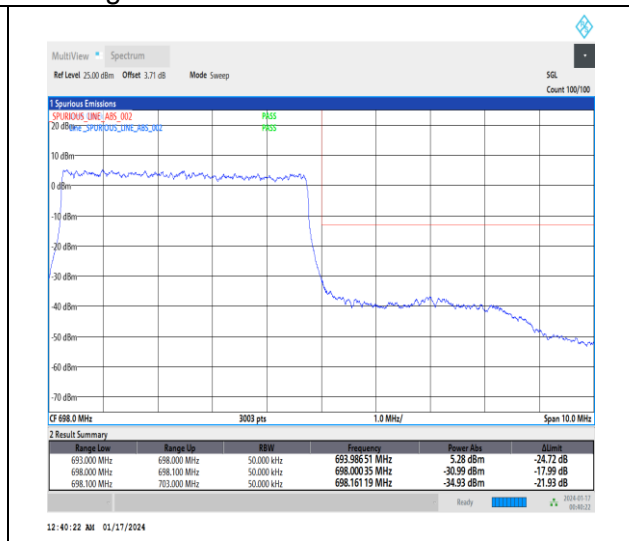
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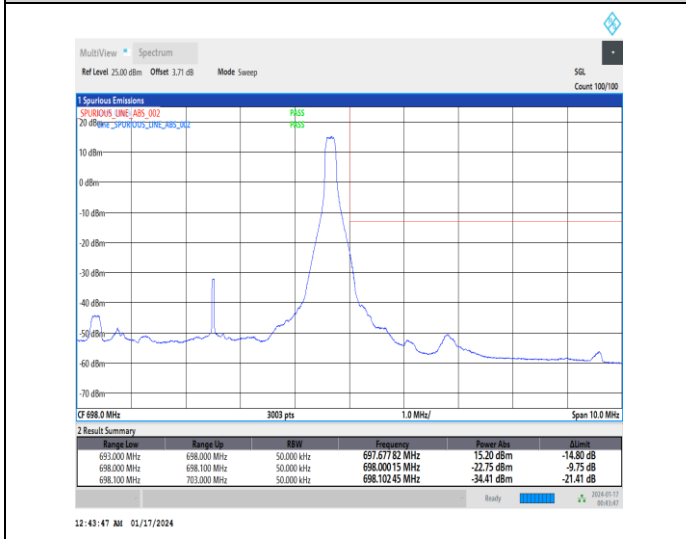
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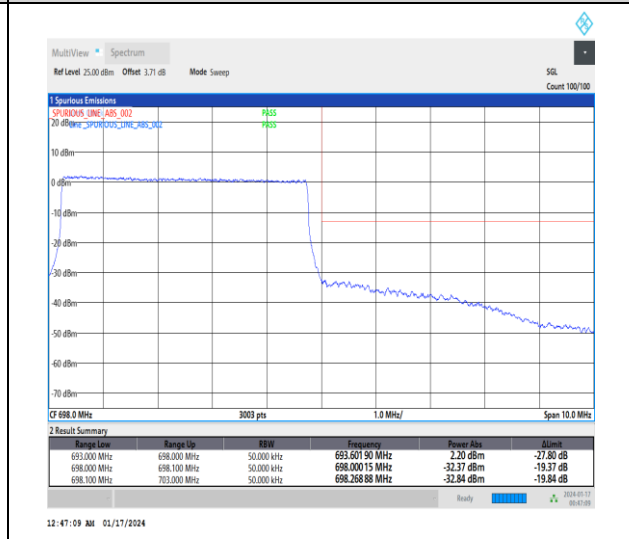
1-N71-15-5-H-2-DFT-PI2BPSK-Edge_1RB_Right-1@2
 4-Ant0-1--PASS-see graph



1-N71-15-5-H-3-DFT-PI2BPSK-Outer_Full-25@0-Ant0-1--PASS-see graph



1-N71-15-5-H-5-CP-QPSK-Edge_1RB_Right-1@24-Ant0-1--PASS-see graph

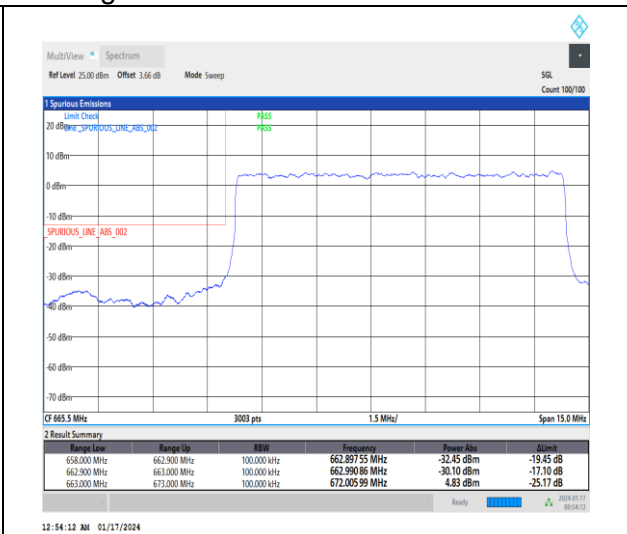
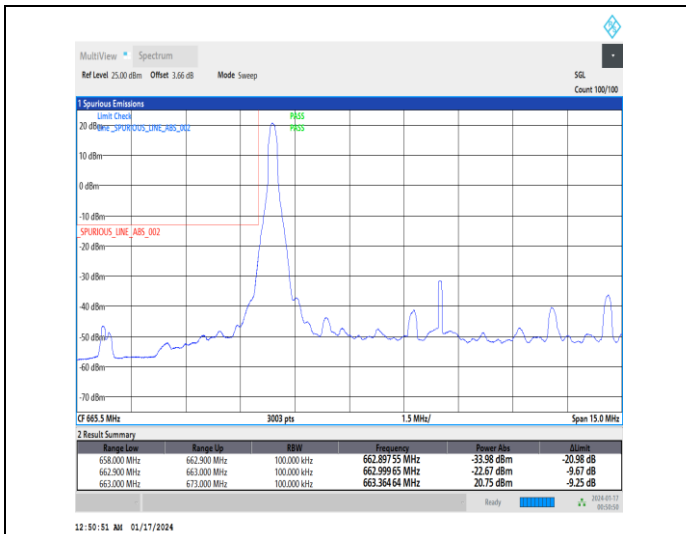


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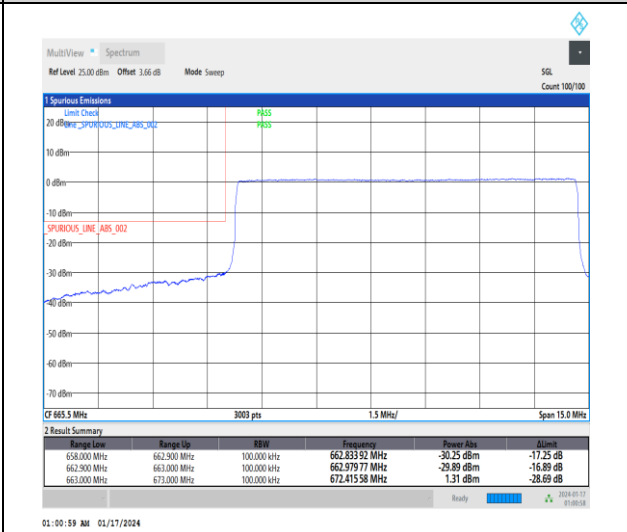
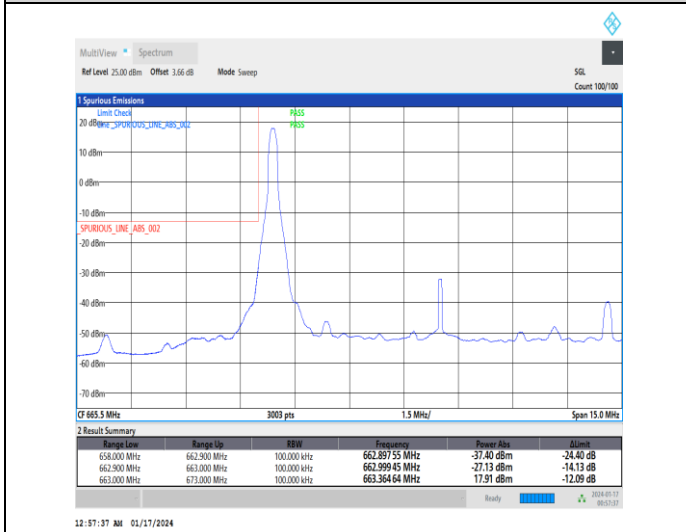
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1-N71-15-10-L-1-DFT-PI2BPSK-Edge_1RB_Left-1@0-Ant0-1--PASS-see graph

1-N71-15-10-L-3-DFT-PI2BPSK-Outer_Full-50@0-Ant0-1--PASS-see graph



1-N71-15-10-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant0-1--PASS-see graph

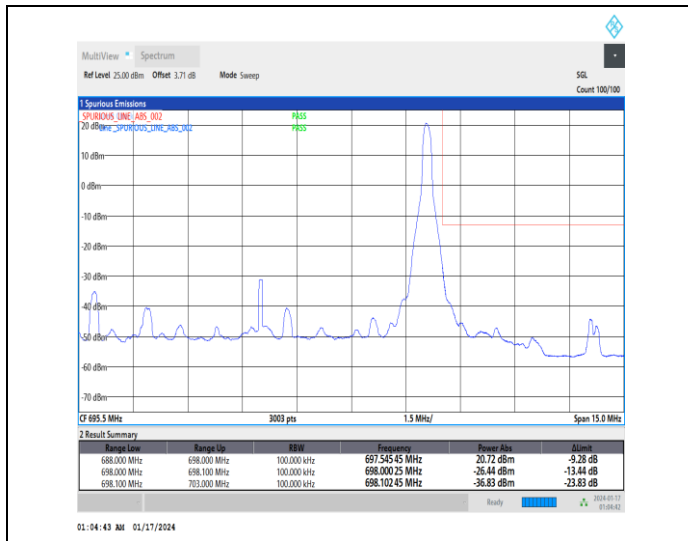
1-N71-15-10-L-6-CP-QPSK-Outer_Full-52@0-Ant0-1--PASS-see graph



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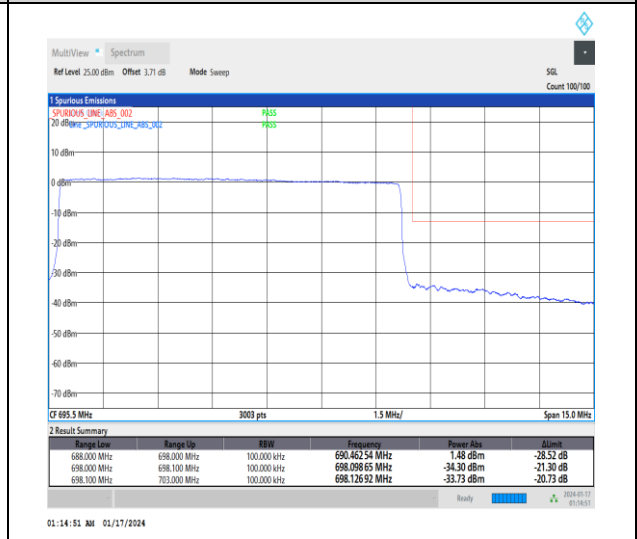
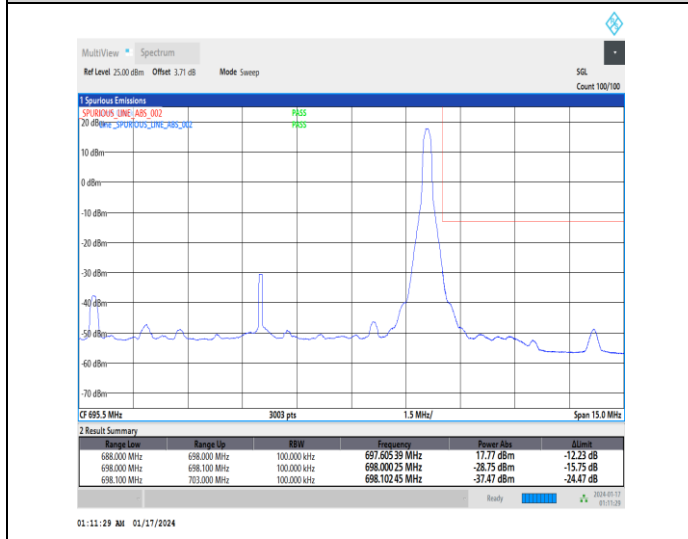
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1-N71-15-10-H-2-DFT-PI2BPSK-Edge_1RB_Right-1@51-Ant0-1--PASS-see graph

1-N71-15-10-H-3-DFT-PI2BPSK-Outer_Full-50@0-Ant0-1--PASS-see graph



1-N71-15-10-H-5-CP-QPSK-Edge_1RB_Right-1@51-Ant0-1--PASS-see graph

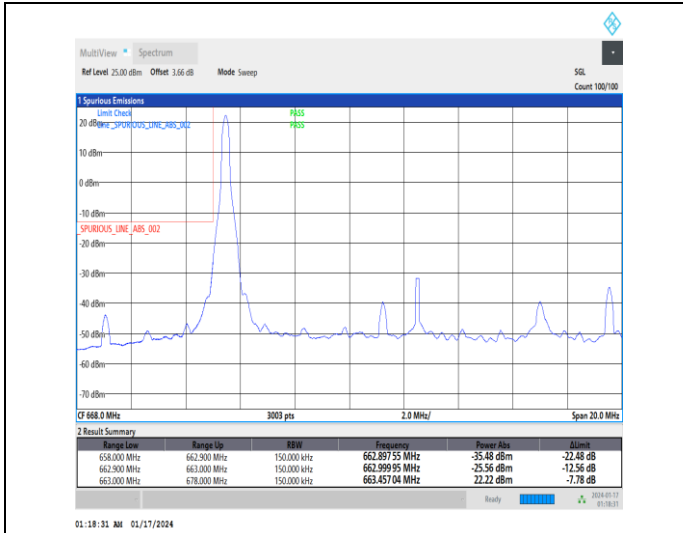
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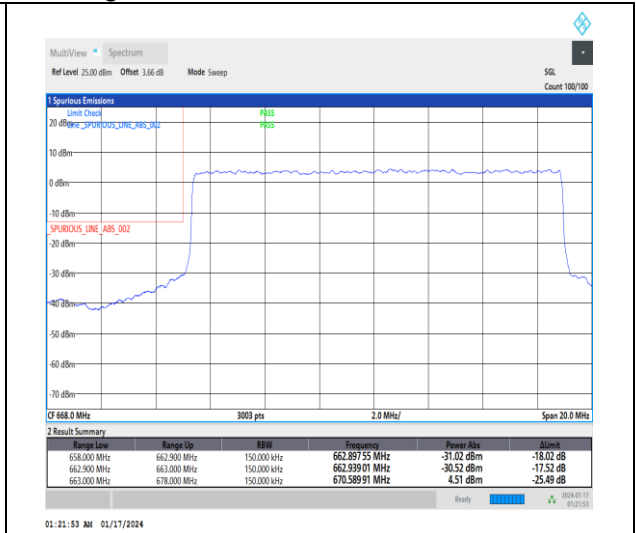
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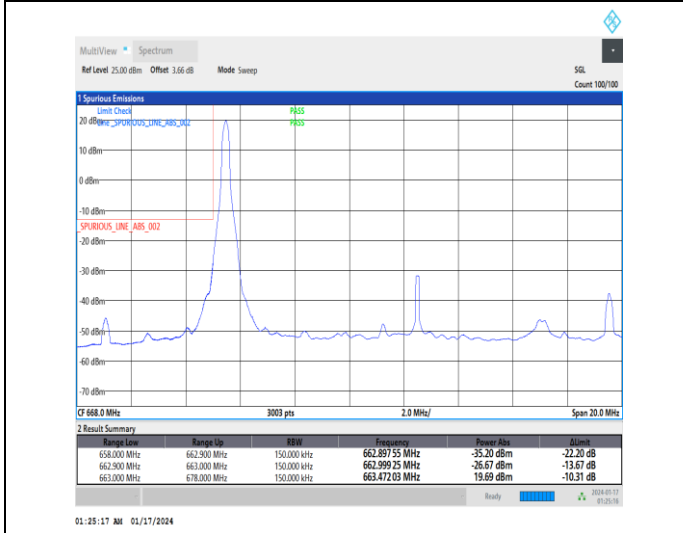
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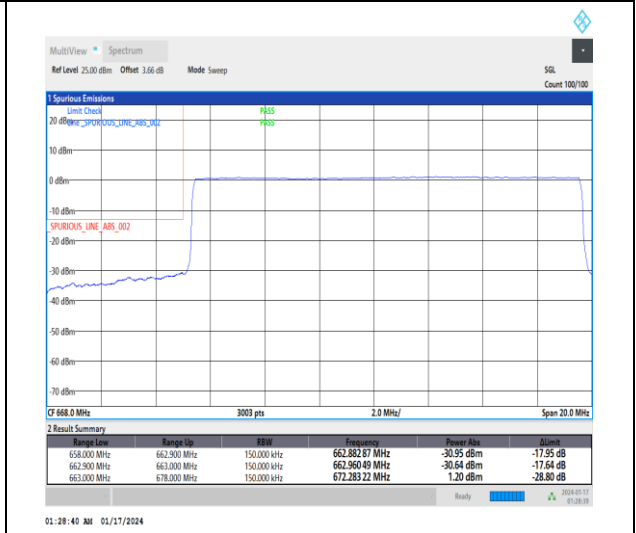
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1-N71-15-15-L-3-DFT-PI2BPSK-Outer_Full-75@0-Ant0-1--PASS-see graph



1-N71-15-15-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant0-1--PASS-see graph



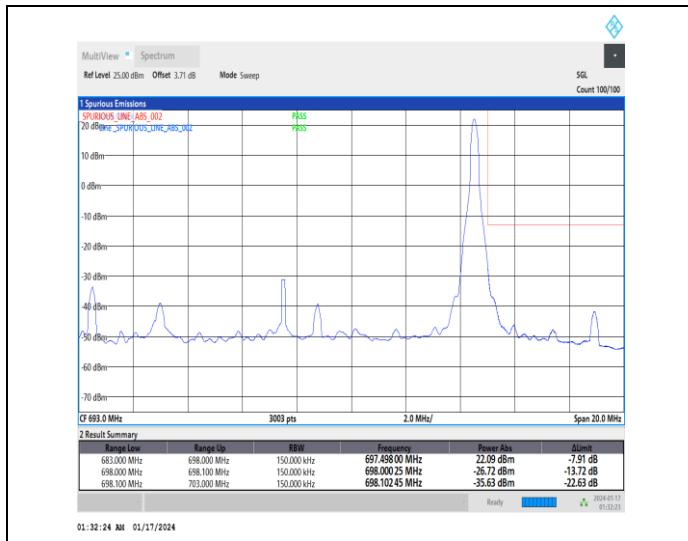
1-N71-15-15-L-6-CP-QPSK-Outer_Full-79@0-Ant0-1--PASS-see graph



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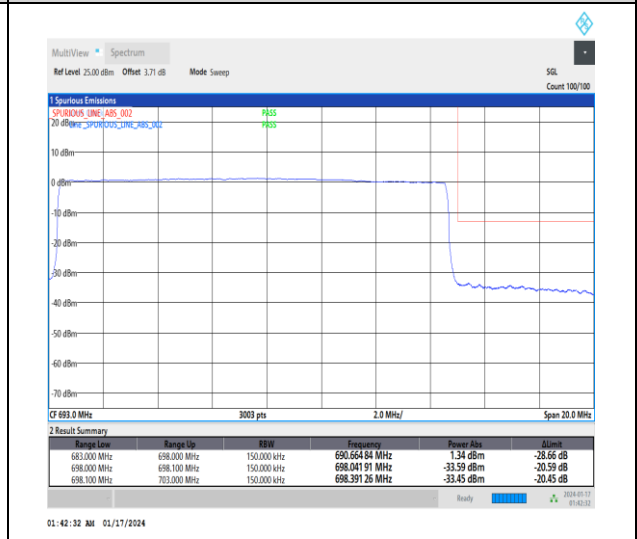
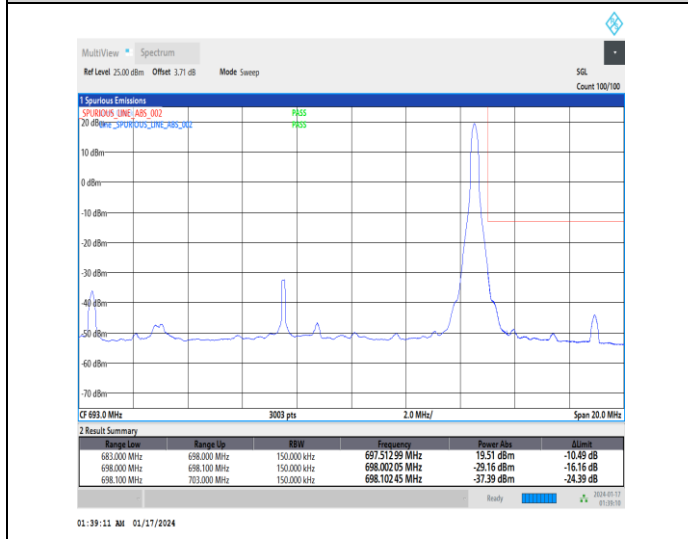
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1-N71-15-15-H-2-DFT-PI2BPSK-Edge_1RB_Right-1@78-Ant0-1--PASS-see graph

1-N71-15-15-H-3-DFT-PI2BPSK-Outer_Full-75@0-Ant0-1--PASS-see graph



1-N71-15-15-H-5-CP-QPSK-Edge_1RB_Right-1@78-Ant0-1--PASS-see graph

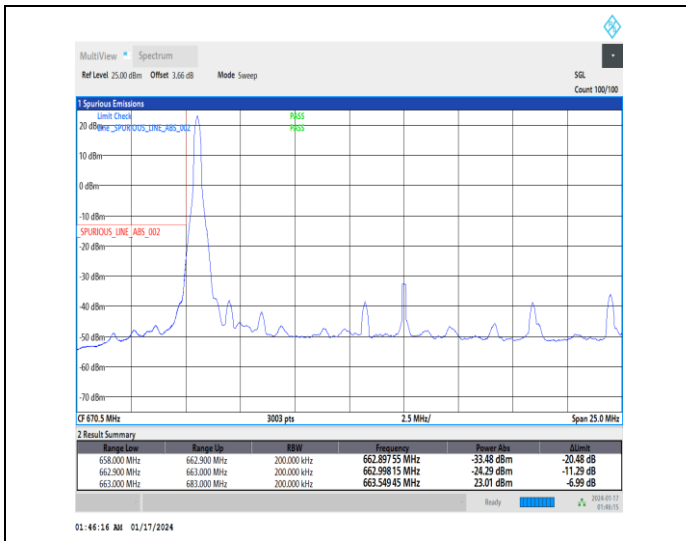
1-N71-15-15-H-6-CP-QPSK-Outer_Full-79@0-Ant0-1--PASS-see graph



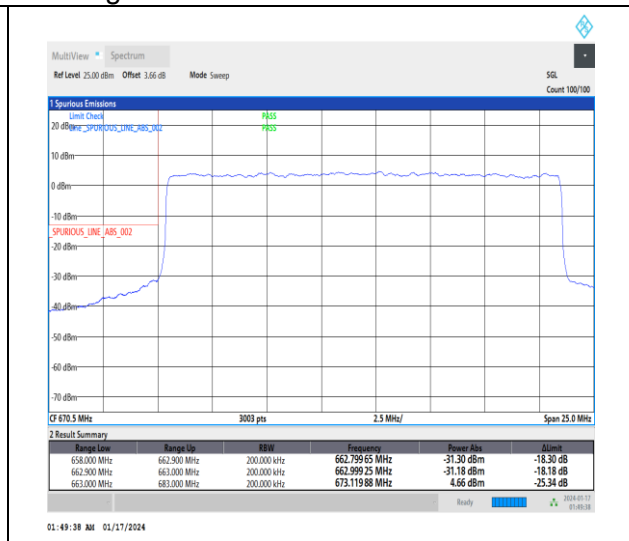
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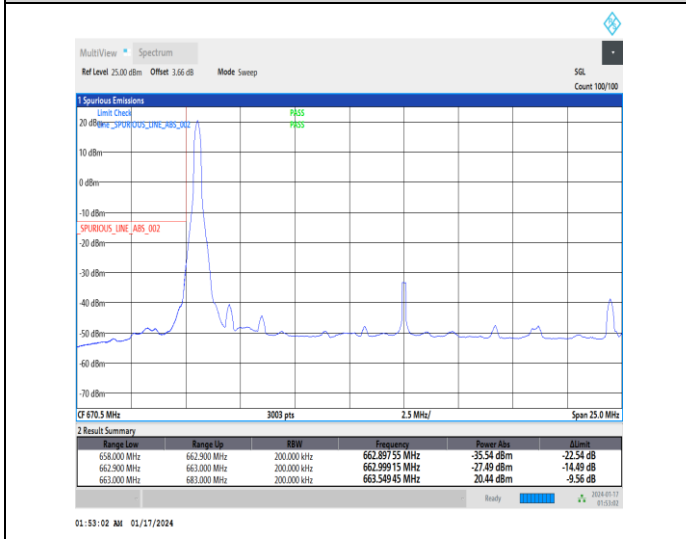
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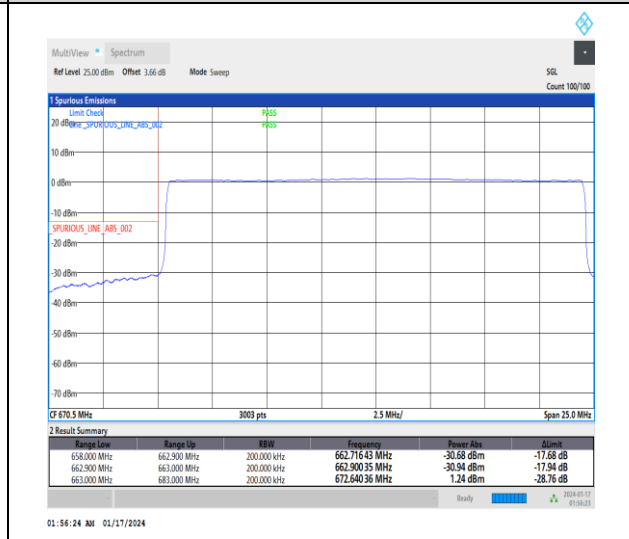
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1-N71-15-20-L-3-DFT-PI2BPSK-Outer_Full-100@0-Ant0-1--PASS-see graph



1-N71-15-20-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant0-1--PASS-see graph



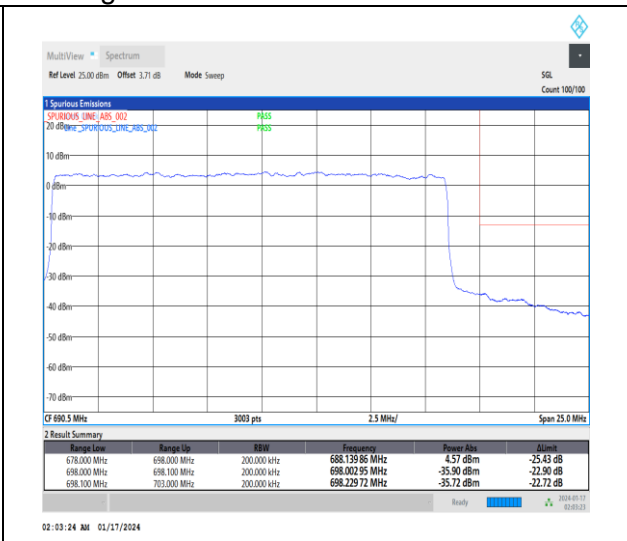
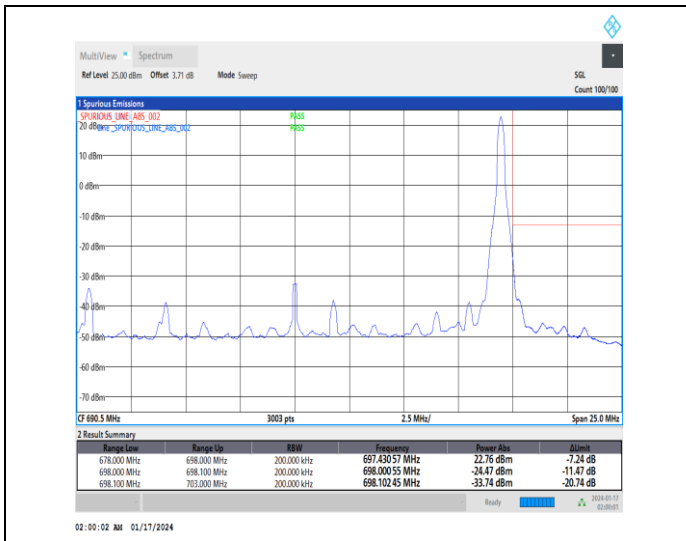
1-N71-15-20-L-6-CP-QPSK-Outer_Full-106@0-Ant0-1--PASS-see graph



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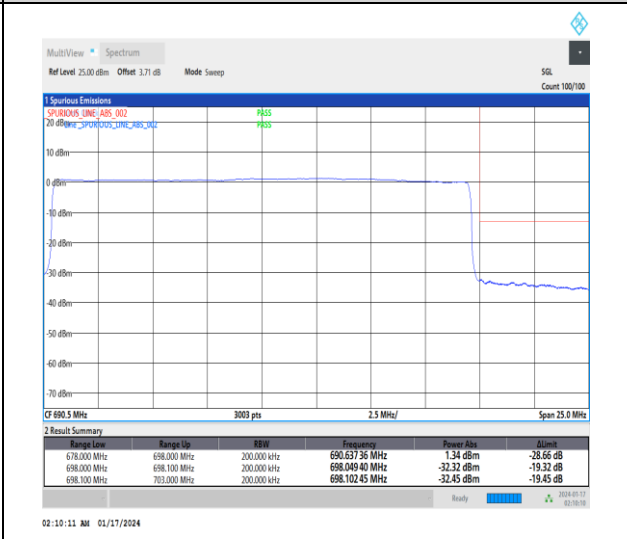
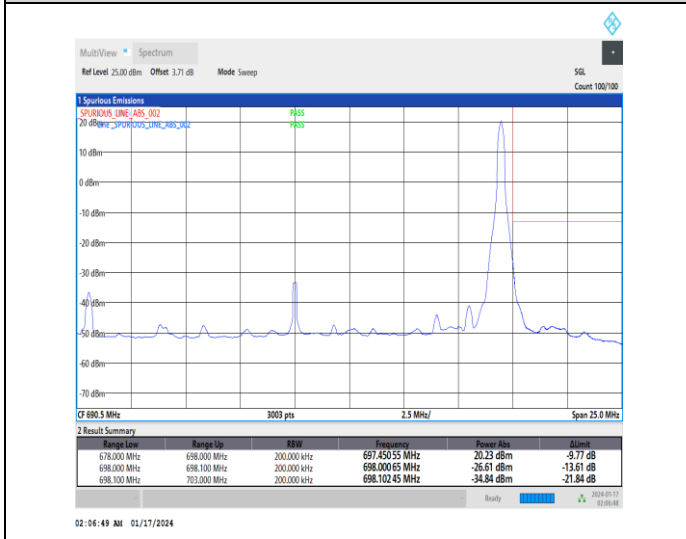
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1-N71-15-20-H-2-DFT-PI2BPSK-Edge_1RB_Right-1 @ 105-Ant0-1--PASS-see graph

1-N71-15-20-H-3-DFT-PI2BPSK-Outer_Full-100@ 0-Ant0-1--PASS-see graph



1-N71-15-20-H-5-CP-QPSK-Edge_1RB_Right-1 @ 105-Ant0-1--PASS-see graph

1-N71-15-20-H-6-CP-QPSK-Outer_Full-106@0-Ant0-1--PASS-see graph



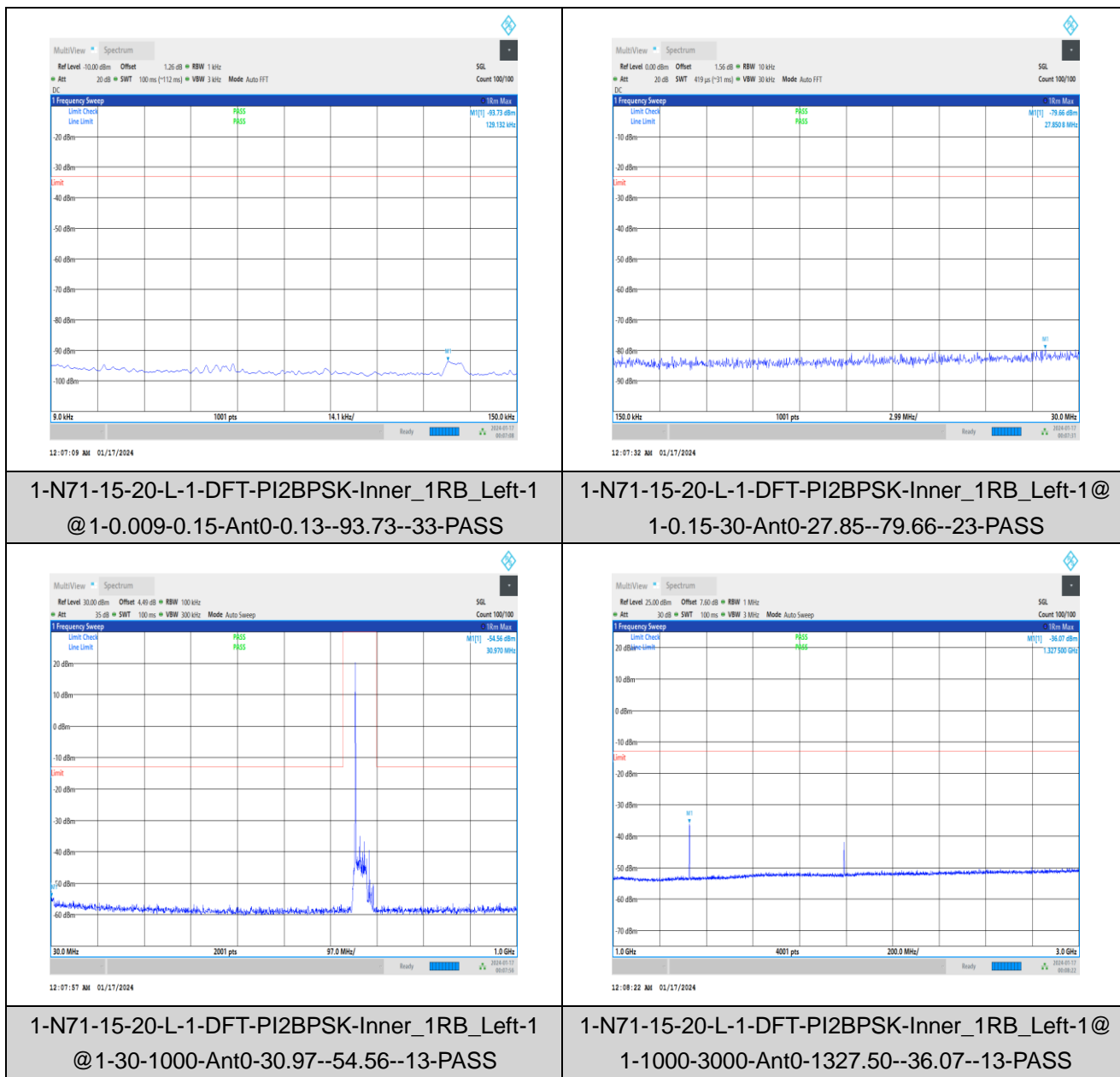
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Conducted Spurious Emission for SA

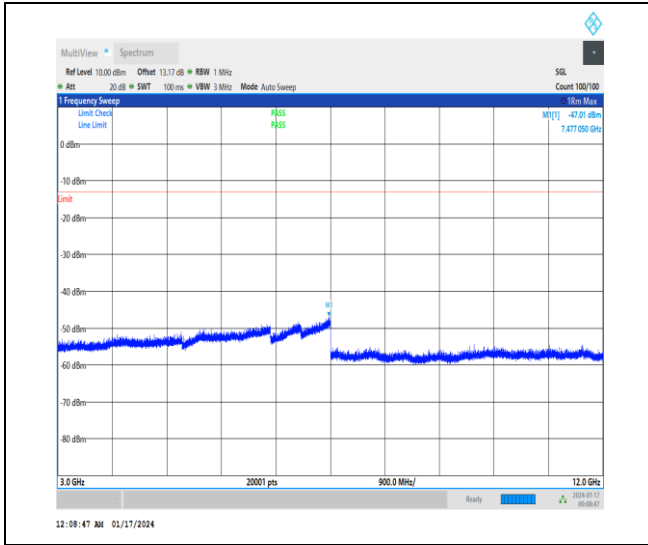
Test Graphs



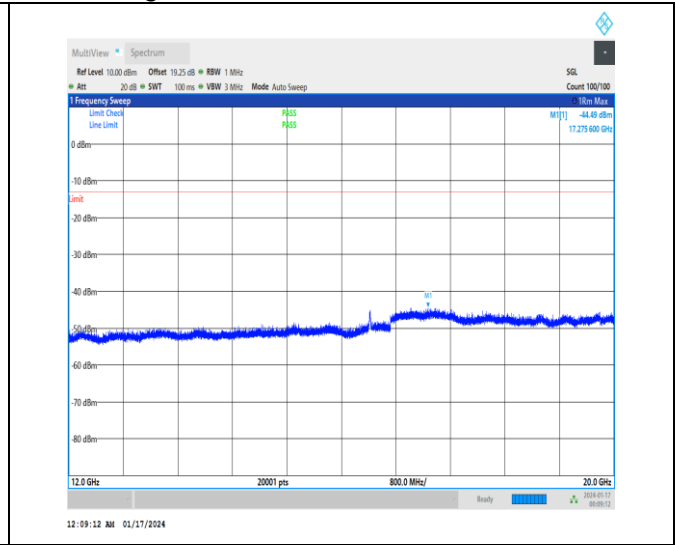
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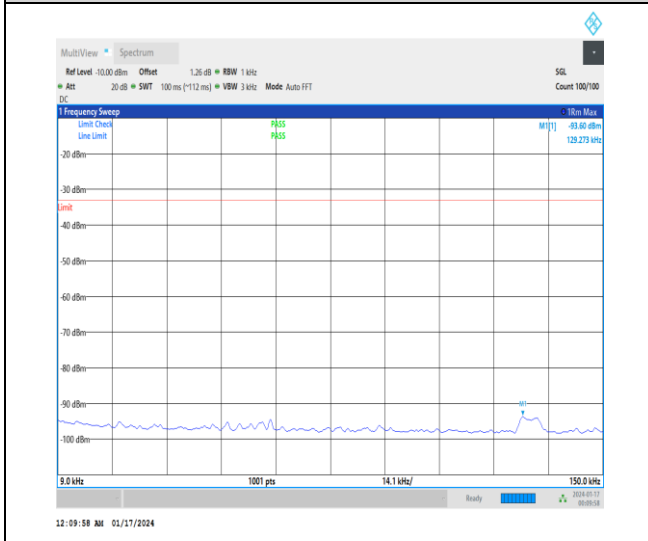
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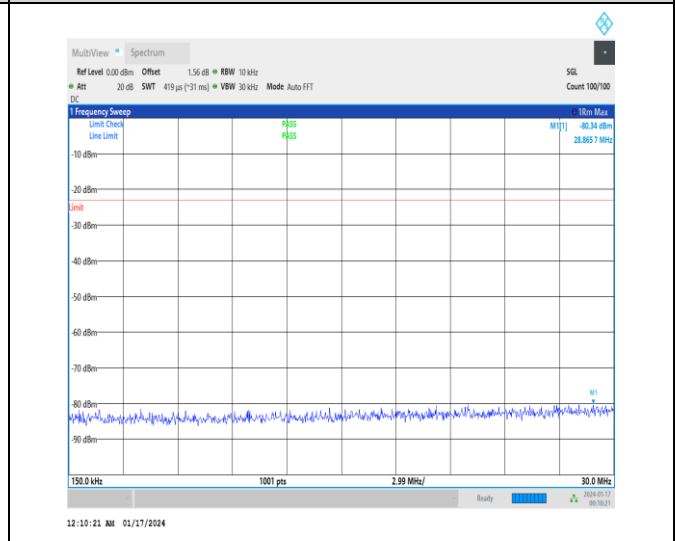
1-N71-15-20-L-1-DFT-PI2BPSK-Inner_1RB_Left-1 @ 1-3000-12000-Ant0-7477.05--47.01--13-PASS



1-N71-15-20-L-1-DFT-PI2BPSK-Inner_1RB_Left-1 @ 1-12000-20000-Ant0-17275.60--44.49--13-PASS



1-N71-15-20-M-1-DFT-PI2BPSK-Inner_1RB_Left-1 @ 1-0.009-0.15-Ant0-0.13--93.60--33-PASS



1-N71-15-20-M-1-DFT-PI2BPSK-Inner_1RB_Left-1 @ 1-0.15-30-Ant0-28.87--80.34--23-PASS



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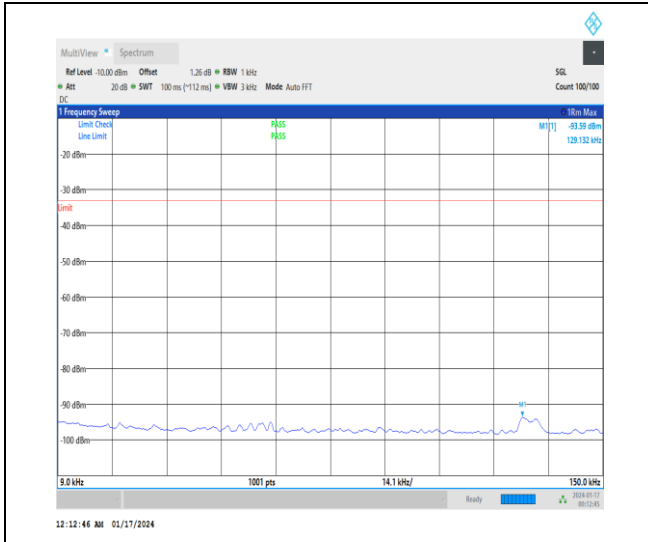
<p>1-N71-15-20-M-1-DFT-PI2BPSK-Inner_1RB_Left-1 @ 1-30-1000-Ant0-32.91--54.47--13-PASS</p>	<p>1-N71-15-20-M-1-DFT-PI2BPSK-Inner_1RB_Left-1 @ 1-1000-3000-Ant0-1342.50--36.26--13-PASS</p>
<p>1-N71-15-20-M-1-DFT-PI2BPSK-Inner_1RB_Left-1 @ 1-3000-12000-Ant0-7488.75--47.22--13-PASS</p>	<p>1-N71-15-20-M-1-DFT-PI2BPSK-Inner_1RB_Left-1 @ 1-12000-20000-Ant0-17300.80--44.46--13-PASS</p>



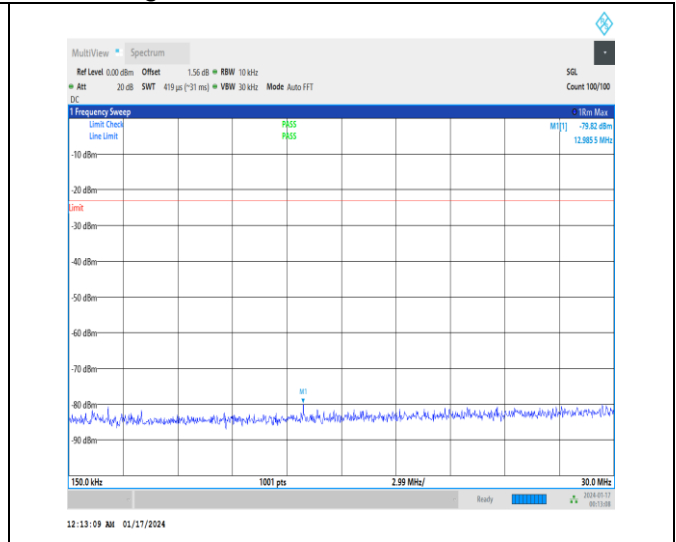
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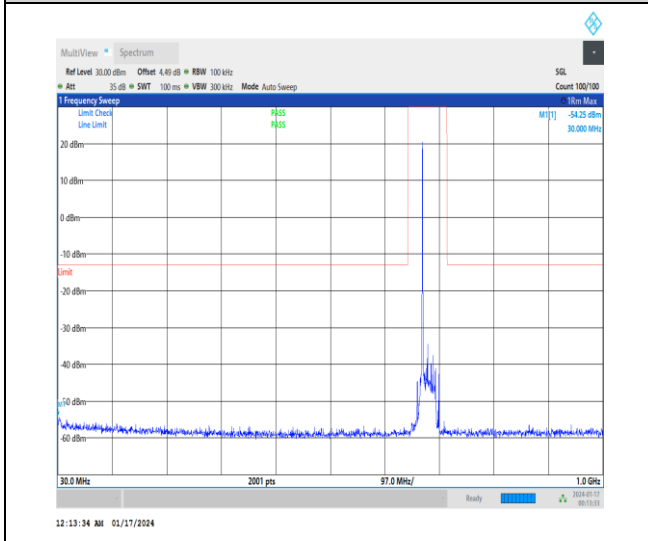
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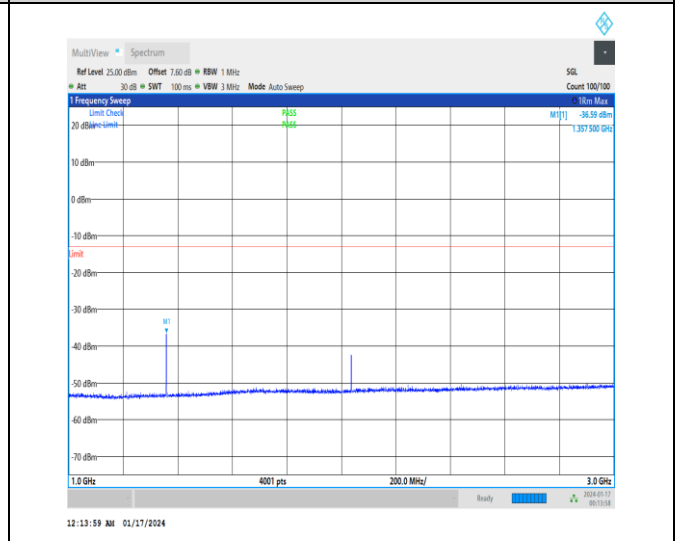
1-N71-15-20-H-1-DFT-PI2BPSK-Inner_1RB_Left-1 @ 1-0.009-0.15-Ant0-0.13--93.59--33-PASS



1-N71-15-20-H-1-DFT-PI2BPSK-Inner_1RB_Left-1 @ 1-0.15-30-Ant0-12.99--79.82--23-PASS



1-N71-15-20-H-1-DFT-PI2BPSK-Inner_1RB_Left-1 @ 1-30-1000-Ant0-30.00--54.25--13-PASS



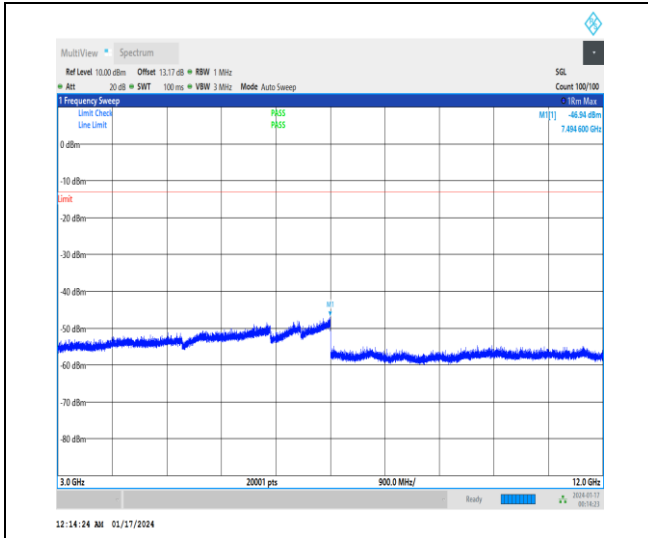
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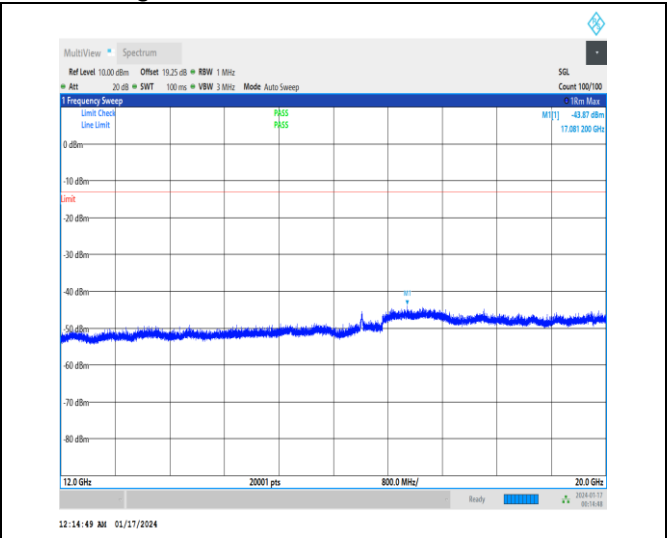
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1-N71-15-20-H-1-DFT-PI2BPSK-Inner_1RB_Left-1 @ 1-3000-12000-Ant0-7494.60--46.94--13-PASS



1-N71-15-20-H-1-DFT-PI2BPSK-Inner_1RB_Left-1 @ 1-12000-20000-Ant0-17081.20--43.87--13-PASS



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Member of the SGS Group (SGS SA)

Field Strength of Spurious Radiation

Test Band = SA Band71_ 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	1328.1800	44.45	-48.09	25.14	-73.77	-13.00	60.77	Horizontal
2	1992.2700	42.55	-47.91	25.89	-74.74	-13.00	61.74	Horizontal
3	2656.3600	42.03	-47.00	27.61	-72.61	-13.00	59.61	Horizontal
4	3320.4500	41.68	-46.65	28.49	-71.74	-13.00	58.74	Horizontal
5	3984.5400	41.09	-46.20	29.08	-71.29	-13.00	58.29	Horizontal
6	4648.6300	39.57	-45.79	30.63	-70.86	-13.00	57.86	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1328.1800	43.35	-48.09	25.14	-74.87	-13.00	61.87	Vertical
2	1992.2700	42.90	-47.91	25.89	-74.39	-13.00	61.39	Vertical
3	2656.3600	41.98	-47.00	27.61	-72.66	-13.00	59.66	Vertical
4	3320.4500	42.08	-46.65	28.49	-71.34	-13.00	58.34	Vertical
5	3984.5400	40.60	-46.20	29.08	-71.78	-13.00	58.78	Vertical
6	4648.6300	39.62	-45.79	30.63	-70.81	-13.00	57.81	Vertical



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Test Band = SA Band71_ 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	1343.1800	43.25	-48.07	25.13	-74.96	-13.00	61.96	Horizontal
2	2014.7700	41.20	-47.87	25.94	-75.99	-13.00	62.99	Horizontal
3	2686.3600	41.58	-47.03	27.67	-73.04	-13.00	60.04	Horizontal
4	3357.9500	41.10	-46.60	28.51	-72.24	-13.00	59.24	Horizontal
5	4029.5400	40.33	-46.11	29.17	-71.87	-13.00	58.87	Horizontal
6	4701.1300	39.15	-45.80	30.74	-71.17	-13.00	58.17	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1343.1800	43.33	-48.07	25.13	-74.88	-13.00	61.88	Vertical
2	2014.7700	42.38	-47.87	25.94	-74.81	-13.00	61.81	Vertical
3	2686.3600	42.07	-47.03	27.67	-72.55	-13.00	59.55	Vertical
4	3357.9500	41.71	-46.60	28.51	-71.63	-13.00	58.63	Vertical
5	4029.5400	41.69	-46.11	29.17	-70.51	-13.00	57.51	Vertical
6	4701.1300	39.78	-45.80	30.74	-70.54	-13.00	57.54	Vertical



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Test Band = SA Band71_ 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	1358.1800	43.68	-48.05	25.12	-74.51	-13.00	61.51	Horizontal
2	2037.2700	42.43	-47.83	26.01	-74.65	-13.00	61.65	Horizontal
3	2716.3600	42.20	-47.03	27.73	-72.36	-13.00	59.36	Horizontal
4	3395.4500	41.76	-46.55	28.54	-71.51	-13.00	58.51	Horizontal
5	4074.5400	40.38	-45.98	29.28	-71.58	-13.00	58.58	Horizontal
6	4753.6300	39.87	-45.71	30.86	-70.25	-13.00	57.25	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1358.1800	43.84	-48.05	25.12	-74.35	-13.00	61.35	Vertical
2	2037.2700	42.85	-47.83	26.01	-74.23	-13.00	61.23	Vertical
3	2716.3600	42.76	-47.03	27.73	-71.80	-13.00	58.80	Vertical
4	3395.4500	41.86	-46.55	28.54	-71.41	-13.00	58.41	Vertical
5	4074.5400	41.00	-45.98	29.28	-70.96	-13.00	57.96	Vertical
6	4753.6300	40.26	-45.71	30.86	-69.86	-13.00	56.86	Vertical



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Report No.: SEWM2311000466RG02

Rev.: 01

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Test Band = NSA 2A_N71A_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	1328.1800	43.56	-48.09	25.14	-74.66	-13.00	61.66	Horizontal
2	1992.2700	42.83	-47.91	25.89	-74.46	-13.00	61.46	Horizontal
3	2656.3600	42.57	-47.00	27.61	-72.07	-13.00	59.07	Horizontal
4	3320.4500	42.42	-46.65	28.49	-71.00	-13.00	58.00	Horizontal
5	3984.5400	41.36	-46.20	29.08	-71.02	-13.00	58.02	Horizontal
6	4648.6300	40.46	-45.79	30.63	-69.97	-13.00	56.97	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1328.1800	41.87	-48.09	25.14	-76.35	-13.00	63.35	Vertical
2	1992.2700	41.55	-47.91	25.89	-75.74	-13.00	62.74	Vertical
3	2656.3600	41.11	-47.00	27.61	-73.53	-13.00	60.53	Vertical
4	3320.4500	42.06	-46.65	28.49	-71.36	-13.00	58.36	Vertical
5	3984.5400	41.17	-46.20	29.08	-71.21	-13.00	58.21	Vertical
6	4648.6300	40.03	-45.79	30.63	-70.40	-13.00	57.40	Vertical



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Member of the SGS Group (SGS SA)

Test Band = NSA 2A_N71A_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	1343.1800	44.01	-48.07	25.13	-74.20	-13.00	61.20	Horizontal
2	2014.7700	42.82	-47.87	25.94	-74.37	-13.00	61.37	Horizontal
3	2686.3600	42.14	-47.03	27.67	-72.48	-13.00	59.48	Horizontal
4	3357.9500	42.16	-46.60	28.51	-71.18	-13.00	58.18	Horizontal
5	4029.5400	41.00	-46.11	29.17	-71.20	-13.00	58.20	Horizontal
6	4701.1300	40.91	-45.80	30.74	-69.41	-13.00	56.41	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1343.1800	41.46	-48.07	25.13	-76.75	-13.00	63.75	Vertical
2	2014.7700	41.19	-47.87	25.94	-76.00	-13.00	63.00	Vertical
3	2686.3600	41.95	-47.03	27.67	-72.67	-13.00	59.67	Vertical
4	3357.9500	42.03	-46.60	28.51	-71.31	-13.00	58.31	Vertical
5	4029.5400	40.37	-46.11	29.17	-71.83	-13.00	58.83	Vertical
6	4701.1300	39.72	-45.80	30.74	-70.60	-13.00	57.60	Vertical



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Test Band = NSA 2A_N71A_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	1358.1800	44.01	-48.05	25.12	-74.18	-13.00	61.18	Horizontal
2	2037.2700	43.15	-47.83	26.01	-73.93	-13.00	60.93	Horizontal
3	2716.3600	42.85	-47.03	27.73	-71.71	-13.00	58.71	Horizontal
4	3395.4500	41.76	-46.55	28.54	-71.51	-13.00	58.51	Horizontal
5	4074.5400	40.78	-45.98	29.28	-71.18	-13.00	58.18	Horizontal
6	4753.6300	40.68	-45.71	30.86	-69.44	-13.00	56.44	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1358.1800	42.17	-48.05	25.12	-76.02	-13.00	63.02	Vertical
2	2037.2700	41.19	-47.83	26.01	-75.89	-13.00	62.89	Vertical
3	2716.3600	42.39	-47.03	27.73	-72.17	-13.00	59.17	Vertical
4	3395.4500	40.92	-46.55	28.54	-72.35	-13.00	59.35	Vertical
5	4074.5400	40.29	-45.98	29.28	-71.67	-13.00	58.67	Vertical
6	4753.6300	39.87	-45.71	30.86	-70.25	-13.00	57.25	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
N71	15	20	DFT-PI2BPSK	M	Outer_Full	VH	NT	-4.300000	-0.006319	PASS
N71	15	20	DFT-PI2BPSK	M	Outer_Full	VN	NT	-2.300000	-0.003380	PASS
N71	15	20	DFT-PI2BPSK	M	Outer_Full	VL	NT	-2.500000	-0.003674	PASS
N71	15	20	CP-QPSK	M	Outer_Full	VH	NT	-3.900000	-0.005731	PASS
N71	15	20	CP-QPSK	M	Outer_Full	VN	NT	-4.000000	-0.005878	PASS
N71	15	20	CP-QPSK	M	Outer_Full	VL	NT	-2.200000	-0.003233	PASS



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Frequency Error VS. Temperature

Temperature

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation(Hz)	Deviation (ppm)	Verdict
N71	15	20	DFT-PI2BPSK	M	Outer_Full	NV	-30	-4.100000	-0.006025	PASS
N71	15	20	DFT-PI2BPSK	M	Outer_Full	NV	-20	-3.800000	-0.005584	PASS
N71	15	20	DFT-PI2BPSK	M	Outer_Full	NV	-10	-3.200000	-0.004702	PASS
N71	15	20	DFT-PI2BPSK	M	Outer_Full	NV	0	-3.700000	-0.005437	PASS
N71	15	20	DFT-PI2BPSK	M	Outer_Full	NV	10	-4.900000	-0.007201	PASS
N71	15	20	DFT-PI2BPSK	M	Outer_Full	NV	20	-4.200000	-0.006172	PASS
N71	15	20	DFT-PI2BPSK	M	Outer_Full	NV	30	-4.400000	-0.006466	PASS
N71	15	20	DFT-PI2BPSK	M	Outer_Full	NV	40	-2.900000	-0.004262	PASS
N71	15	20	DFT-PI2BPSK	M	Outer_Full	NV	50	-1.900000	-0.002792	PASS
N71	15	20	CP-QPSK	M	Outer_Full	NV	-30	-2.300000	-0.003380	PASS
N71	15	20	CP-QPSK	M	Outer_Full	NV	-20	-2.400000	-0.003527	PASS
N71	15	20	CP-QPSK	M	Outer_Full	NV	-10	-3.600000	-0.005290	PASS
N71	15	20	CP-QPSK	M	Outer_Full	NV	0	-2.600000	-0.003821	PASS
N71	15	20	CP-QPSK	M	Outer_Full	NV	10	-3.200000	-0.004702	PASS
N71	15	20	CP-QPSK	M	Outer_Full	NV	20	-1.600000	-0.002351	PASS
N71	15	20	CP-QPSK	M	Outer_Full	NV	30	-2.800000	-0.004115	PASS
N71	15	20	CP-QPSK	M	Outer_Full	NV	40	-2.700000	-0.003968	PASS
N71	15	20	CP-QPSK	M	Outer_Full	NV	50	-3.900000	-0.005731	PASS

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