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Appendix B.31

NR Band n14



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中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南面 邮编: 215000

t (86-512) 62992980 www.sgs.com.cn
t (86-512) 62992980 sgs.china@sgs.com

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Effective (Isotropic) Radiated Power Output Data for SA

Test ResultAnt7

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Power (dBm)	ERP (dBm)	Limit (dBm)	Verdict
N14	15	5	DFT-PI2BPSK	L	Inner_1RB_Left	23.38	10.28	34.77	PASS
N14	15	5	DFT-PI2BPSK	L	Inner_1RB_Right	23.33	10.23	34.77	PASS
N14	15	5	DFT-PI2BPSK	L	Outer_Full	22.88	9.78	34.77	PASS
N14	15	5	DFT-QPSK	L	Inner_1RB_Left	23.48	10.38	34.77	PASS
N14	15	5	DFT-QPSK	L	Inner_1RB_Right	23.42	10.32	34.77	PASS
N14	15	5	DFT-QPSK	L	Outer_Full	22.42	9.32	34.77	PASS
N14	15	5	DFT-16QAM	L	Inner_1RB_Left	22.09	8.99	34.77	PASS
N14	15	5	DFT-16QAM	L	Inner_1RB_Right	22.12	9.02	34.77	PASS
N14	15	5	DFT-16QAM	L	Outer_Full	21.34	8.24	34.77	PASS
N14	15	5	DFT-64QAM	L	Inner_1RB_Left	20.72	7.62	34.77	PASS
N14	15	5	DFT-64QAM	L	Inner_1RB_Right	20.77	7.67	34.77	PASS
N14	15	5	DFT-64QAM	L	Outer_Full	20.91	7.81	34.77	PASS
N14	15	5	DFT-256QAM	L	Inner_1RB_Left	19.1	6	34.77	PASS
N14	15	5	DFT-256QAM	L	Inner_1RB_Right	19	5.9	34.77	PASS
N14	15	5	DFT-256QAM	L	Outer_Full	18.91	5.81	34.77	PASS
N14	15	5	DFT-PI2BPSK	M	Inner_1RB_Left	23.39	10.29	34.77	PASS
N14	15	5	DFT-PI2BPSK	M	Inner_1RB_Right	23.54	10.44	34.77	PASS
N14	15	5	DFT-PI2BPSK	M	Outer_Full	22.87	9.77	34.77	PASS
N14	15	5	DFT-QPSK	M	Inner_1RB_Left	23.5	10.4	34.77	PASS
N14	15	5	DFT-QPSK	M	Inner_1RB_Right	23.43	10.33	34.77	PASS
N14	15	5	DFT-QPSK	M	Outer_Full	22.38	9.28	34.77	PASS
N14	15	5	DFT-16QAM	M	Inner_1RB_Left	22.17	9.07	34.77	PASS
N14	15	5	DFT-16QAM	M	Inner_1RB_Right	22.23	9.13	34.77	PASS
N14	15	5	DFT-16QAM	M	Outer_Full	21.49	8.39	34.77	PASS
N14	15	5	DFT-64QAM	M	Inner_1RB_Left	20.77	7.67	34.77	PASS
N14	15	5	DFT-64QAM	M	Inner_1RB_Right	20.61	7.51	34.77	PASS
N14	15	5	DFT-64QAM	M	Outer_Full	20.9	7.8	34.77	PASS
N14	15	5	DFT-256QAM	M	Inner_1RB_Left	18.89	5.79	34.77	PASS
N14	15	5	DFT-256QAM	M	Inner_1RB_Right	19.06	5.96	34.77	PASS
N14	15	5	DFT-256QAM	M	Outer_Full	18.79	5.69	34.77	PASS
N14	15	5	DFT-PI2BPSK	H	Inner_1RB_Left	23.61	10.51	34.77	PASS



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Table with 10 columns: Item No., Lot No., Sample No., Modulation, Error Rate, Test Method, Mean, Min, Max, Result. Rows include various DFT modulation types (PI2BPSK, QPSK, 16QAM, 64QAM, 256QAM) and error rates (H, L, M) across different test methods (Inner_1RB_Left, Inner_1RB_Right, Outer_Full).



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N14	15	10	DFT-16QAM	M	Outer_Full	21.44	8.34	34.77	PASS
N14	15	10	DFT-64QAM	M	Inner_1RB_Left	20.69	7.59	34.77	PASS
N14	15	10	DFT-64QAM	M	Inner_1RB_Right	20.71	7.61	34.77	PASS
N14	15	10	DFT-64QAM	M	Outer_Full	20.78	7.68	34.77	PASS
N14	15	10	DFT-256QAM	M	Inner_1RB_Left	19.04	5.94	34.77	PASS
N14	15	10	DFT-256QAM	M	Inner_1RB_Right	19.2	6.1	34.77	PASS
N14	15	10	DFT-256QAM	M	Outer_Full	18.93	5.83	34.77	PASS
N14	15	10	DFT-PI2BPSK	H	Inner_1RB_Left	23.4	10.3	34.77	PASS
N14	15	10	DFT-PI2BPSK	H	Inner_1RB_Right	23.54	10.44	34.77	PASS
N14	15	10	DFT-PI2BPSK	H	Outer_Full	22.97	9.87	34.77	PASS
N14	15	10	DFT-QPSK	H	Inner_1RB_Left	23.48	10.38	34.77	PASS
N14	15	10	DFT-QPSK	H	Inner_1RB_Right	23.56	10.46	34.77	PASS
N14	15	10	DFT-QPSK	H	Outer_Full	22.39	9.29	34.77	PASS
N14	15	10	DFT-16QAM	H	Inner_1RB_Left	22.08	8.98	34.77	PASS
N14	15	10	DFT-16QAM	H	Inner_1RB_Right	22.28	9.18	34.77	PASS
N14	15	10	DFT-16QAM	H	Outer_Full	21.49	8.39	34.77	PASS
N14	15	10	DFT-64QAM	H	Inner_1RB_Left	20.65	7.55	34.77	PASS
N14	15	10	DFT-64QAM	H	Inner_1RB_Right	20.89	7.79	34.77	PASS
N14	15	10	DFT-64QAM	H	Outer_Full	20.97	7.87	34.77	PASS
N14	15	10	DFT-256QAM	H	Inner_1RB_Left	18.96	5.86	34.77	PASS
N14	15	10	DFT-256QAM	H	Inner_1RB_Right	19	5.9	34.77	PASS
N14	15	10	DFT-256QAM	H	Outer_Full	18.91	5.81	34.77	PASS



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Wireless Laboratory

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中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南面 邮编: 215000

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Peak-to-Average Ratio for SA

Peak-to-Average Ratio(PAPR)

Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	DutyCycle	Factor	Result	Limit	Verdict
N14	15	10	DFT-256QAM	M	Outer_Full	100%	0.00	8.45	≤13	PASS
N14	15	10	CP-256QAM	M	Outer_Full	100%	0.00	9.48	≤13	PASS



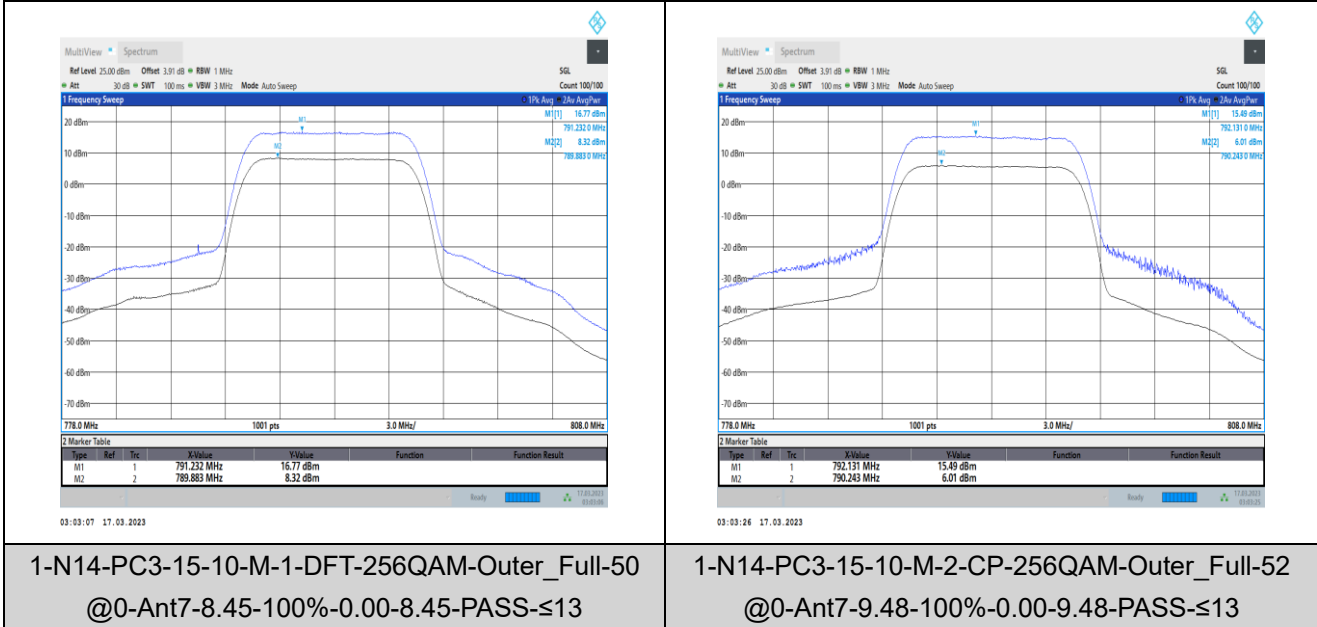
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Test Graphs



1-N14-PC3-15-10-M-1-DFT-256QAM-Outer_Full-50
@0-Ant7-8.45-100%-0.00-8.45-PASS-≤13

1-N14-PC3-15-10-M-2-CP-256QAM-Outer_Full-52
@0-Ant7-9.48-100%-0.00-9.48-PASS-≤13



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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
N14	15	5	DFT-QPSK	L	Outer_Full	4.472	4.820	PASS
N14	15	5	DFT-PI2BPSK	L	Outer_Full	4.483	4.790	PASS
N14	15	5	DFT-16QAM	L	Outer_Full	4.483	4.800	PASS
N14	15	5	DFT-64QAM	L	Outer_Full	4.459	4.810	PASS
N14	15	5	DFT-256QAM	L	Outer_Full	4.465	4.800	PASS
N14	15	5	CP-QPSK	L	Outer_Full	4.468	4.820	PASS
N14	15	5	CP-16QAM	L	Outer_Full	4.472	4.830	PASS
N14	15	5	CP-64QAM	L	Outer_Full	4.463	4.820	PASS
N14	15	5	CP-256QAM	L	Outer_Full	4.475	4.850	PASS
N14	15	5	DFT-QPSK	M	Outer_Full	4.471	4.800	PASS
N14	15	5	DFT-PI2BPSK	M	Outer_Full	4.479	4.800	PASS
N14	15	5	DFT-16QAM	M	Outer_Full	4.464	4.790	PASS
N14	15	5	DFT-64QAM	M	Outer_Full	4.462	4.810	PASS
N14	15	5	DFT-256QAM	M	Outer_Full	4.469	4.760	PASS
N14	15	5	CP-QPSK	M	Outer_Full	4.466	4.810	PASS
N14	15	5	CP-16QAM	M	Outer_Full	4.472	4.850	PASS
N14	15	5	CP-64QAM	M	Outer_Full	4.469	4.800	PASS
N14	15	5	CP-256QAM	M	Outer_Full	4.476	4.820	PASS
N14	15	5	DFT-QPSK	H	Outer_Full	4.466	4.780	PASS
N14	15	5	DFT-PI2BPSK	H	Outer_Full	4.481	4.800	PASS
N14	15	5	DFT-16QAM	H	Outer_Full	4.48	4.860	PASS
N14	15	5	DFT-64QAM	H	Outer_Full	4.459	4.820	PASS
N14	15	5	DFT-256QAM	H	Outer_Full	4.457	4.780	PASS
N14	15	5	CP-QPSK	H	Outer_Full	4.462	4.810	PASS
N14	15	5	CP-16QAM	H	Outer_Full	4.479	4.860	PASS
N14	15	5	CP-64QAM	H	Outer_Full	4.47	4.790	PASS
N14	15	5	CP-256QAM	H	Outer_Full	4.48	4.790	PASS
N14	15	10	DFT-QPSK	L	Outer_Full	8.914	9.400	PASS
N14	15	10	DFT-PI2BPSK	L	Outer_Full	8.907	9.420	PASS
N14	15	10	DFT-16QAM	L	Outer_Full	8.907	9.380	PASS



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N14	15	10	DFT-64QAM	L	Outer_Full	8.913	9.400	PASS
N14	15	10	DFT-256QAM	L	Outer_Full	8.908	9.320	PASS
N14	15	10	CP-QPSK	L	Outer_Full	9.284	9.680	PASS
N14	15	10	CP-16QAM	L	Outer_Full	9.252	9.740	PASS
N14	15	10	CP-64QAM	L	Outer_Full	9.292	9.760	PASS
N14	15	10	CP-256QAM	L	Outer_Full	9.238	9.760	PASS
N14	15	10	DFT-QPSK	M	Outer_Full	8.911	9.420	PASS
N14	15	10	DFT-PI2BPSK	M	Outer_Full	8.936	9.440	PASS
N14	15	10	DFT-16QAM	M	Outer_Full	8.909	9.400	PASS
N14	15	10	DFT-64QAM	M	Outer_Full	8.906	9.400	PASS
N14	15	10	DFT-256QAM	M	Outer_Full	8.921	9.380	PASS
N14	15	10	CP-QPSK	M	Outer_Full	9.253	9.700	PASS
N14	15	10	CP-16QAM	M	Outer_Full	9.257	9.760	PASS
N14	15	10	CP-64QAM	M	Outer_Full	9.28	9.800	PASS
N14	15	10	CP-256QAM	M	Outer_Full	9.272	9.760	PASS
N14	15	10	DFT-QPSK	H	Outer_Full	8.901	9.380	PASS
N14	15	10	DFT-PI2BPSK	H	Outer_Full	8.951	9.400	PASS
N14	15	10	DFT-16QAM	H	Outer_Full	8.917	9.400	PASS
N14	15	10	DFT-64QAM	H	Outer_Full	8.91	9.360	PASS
N14	15	10	DFT-256QAM	H	Outer_Full	8.895	9.380	PASS
N14	15	10	CP-QPSK	H	Outer_Full	9.275	9.780	PASS
N14	15	10	CP-16QAM	H	Outer_Full	9.263	9.780	PASS
N14	15	10	CP-64QAM	H	Outer_Full	9.279	9.780	PASS
N14	15	10	CP-256QAM	H	Outer_Full	9.275	9.740	PASS



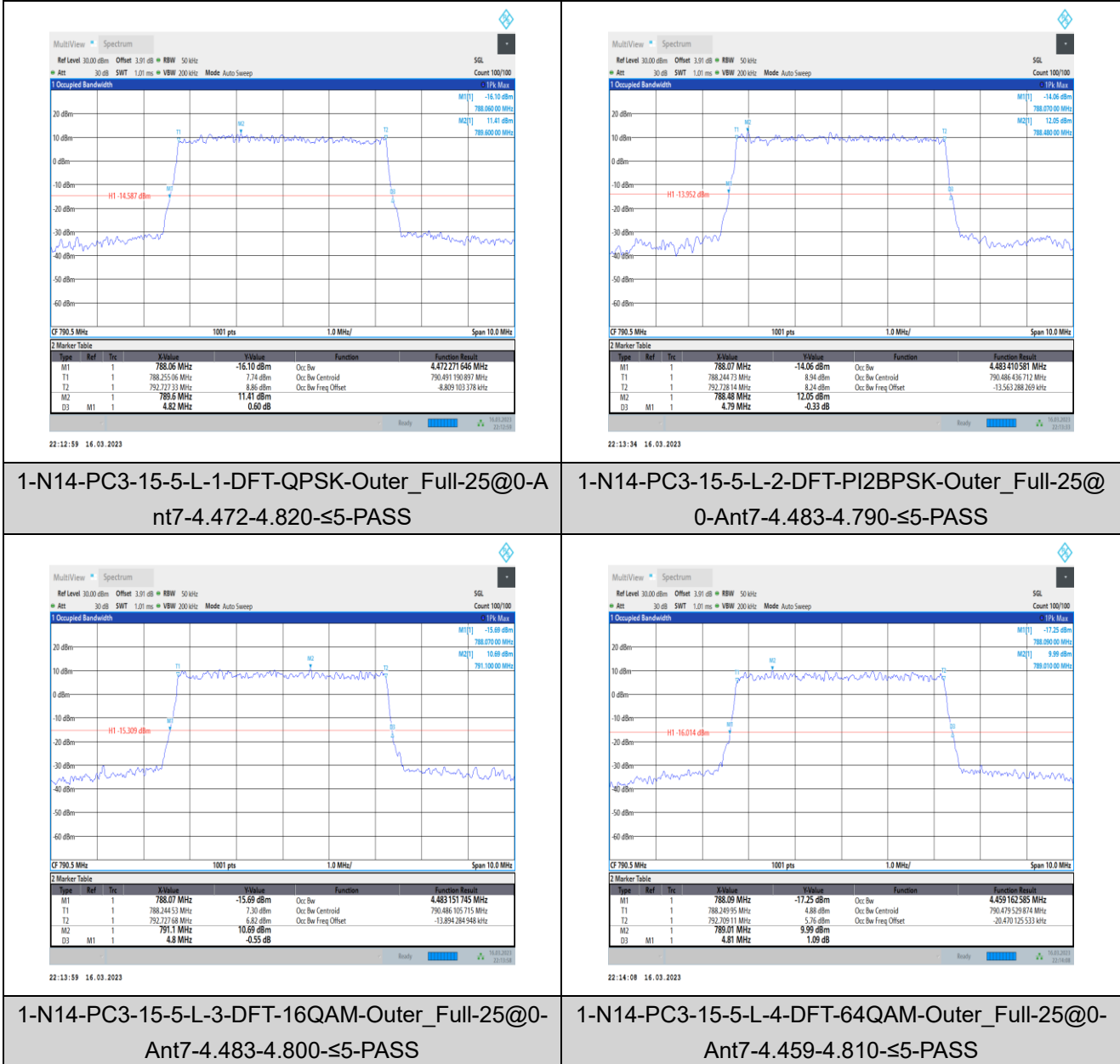
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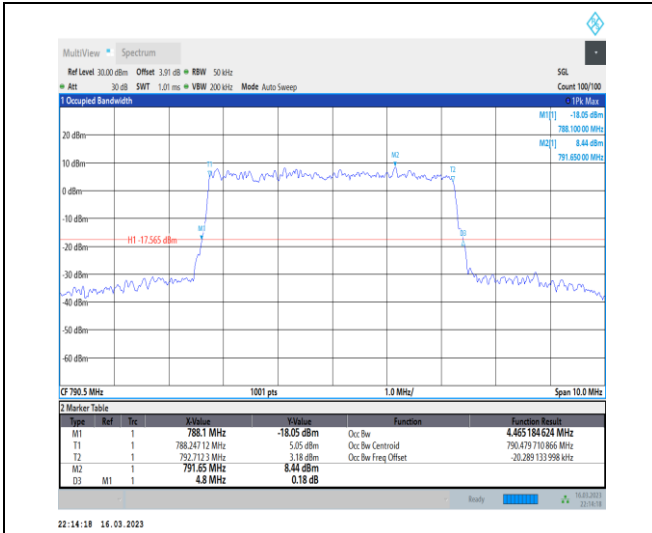
Test Graphs



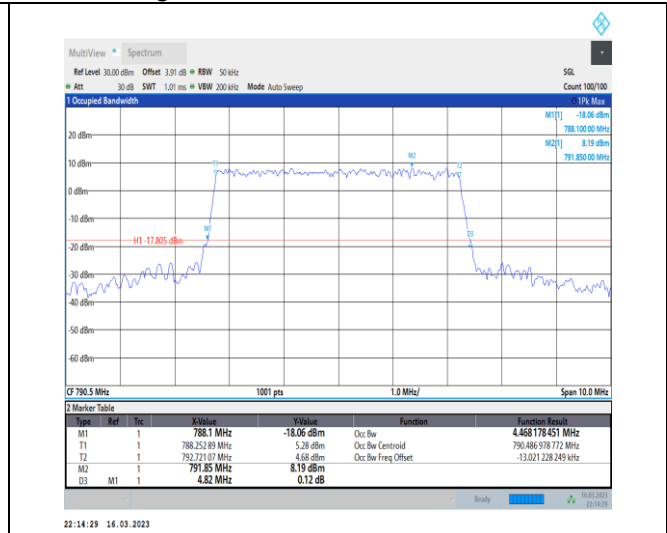
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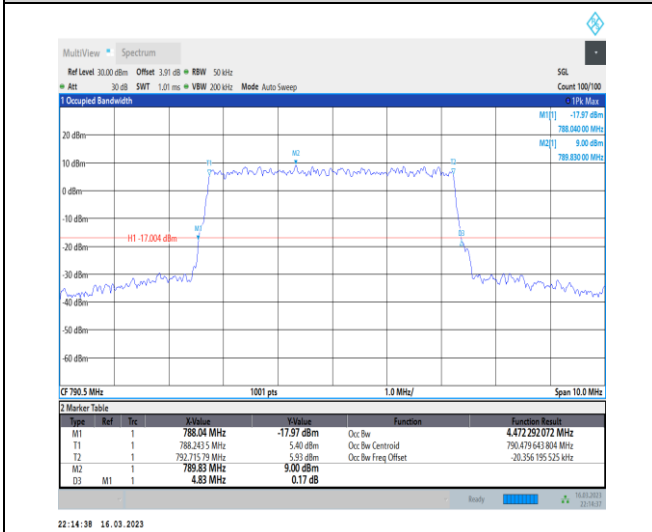
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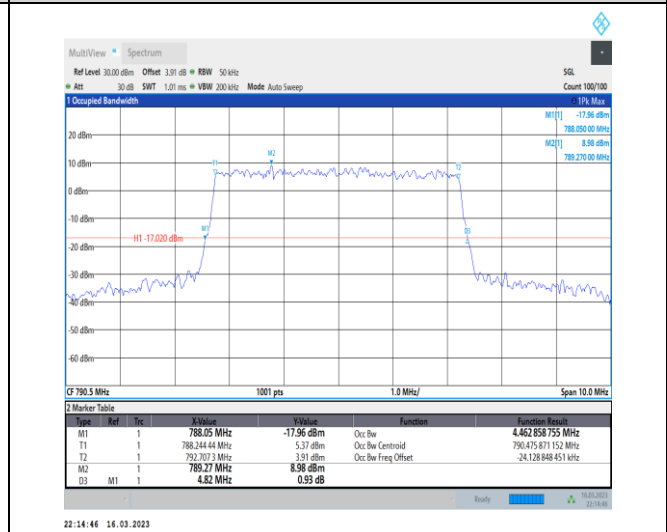
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1-N14-PC3-15-5-L-6-CP-QPSK-Outer_Full-25@0-An t7-4.468-4.820-≤5-PASS



1-N14-PC3-15-5-L-7-CP-16QAM-Outer_Full-25@0-Ant7-4.472-4.830-≤5-PASS



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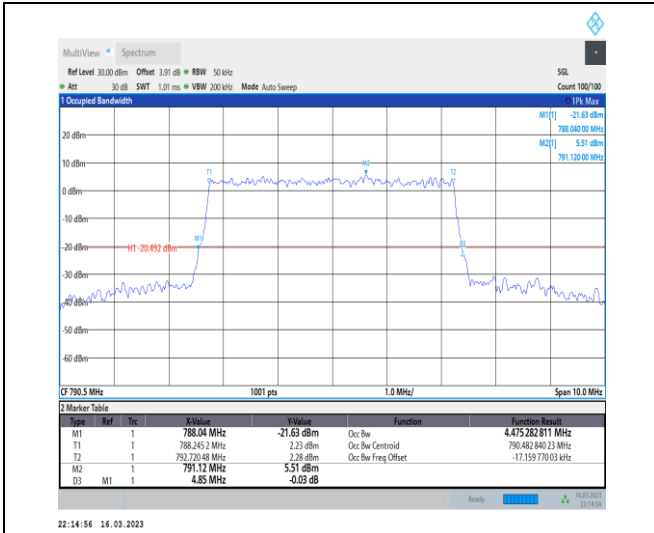
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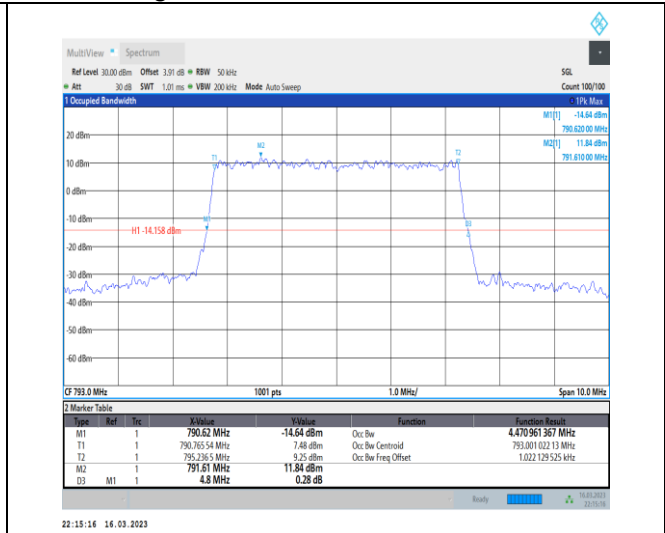
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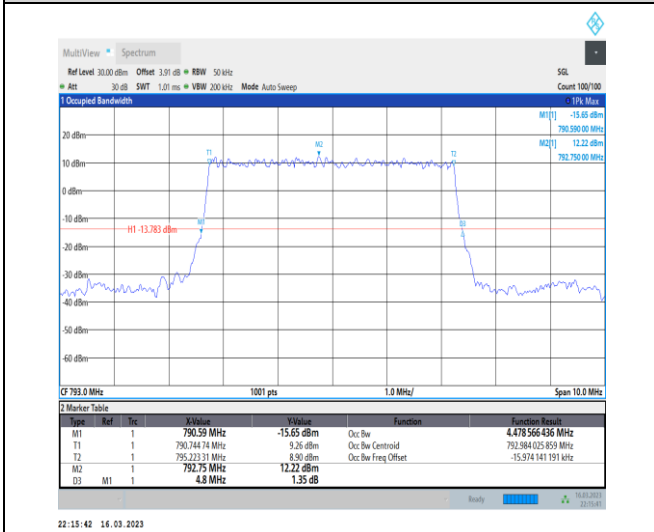
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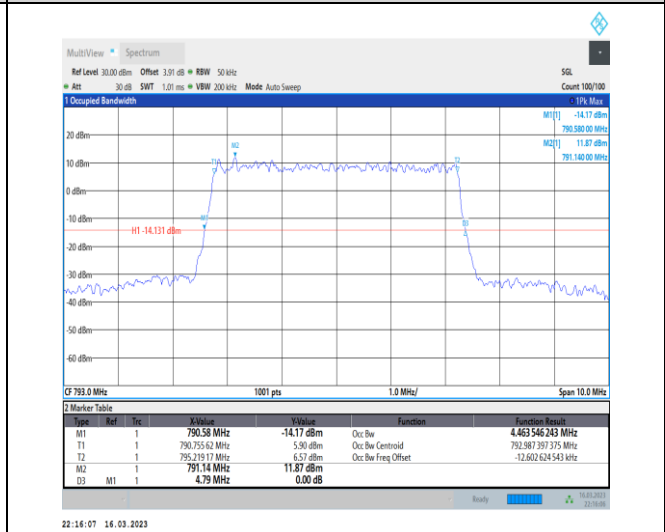
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1-N14-PC3-15-5-M-2-DFT-PI2BPSK-Outer_Full-25@0-Ant7-4.479-4.800-≤5-PASS



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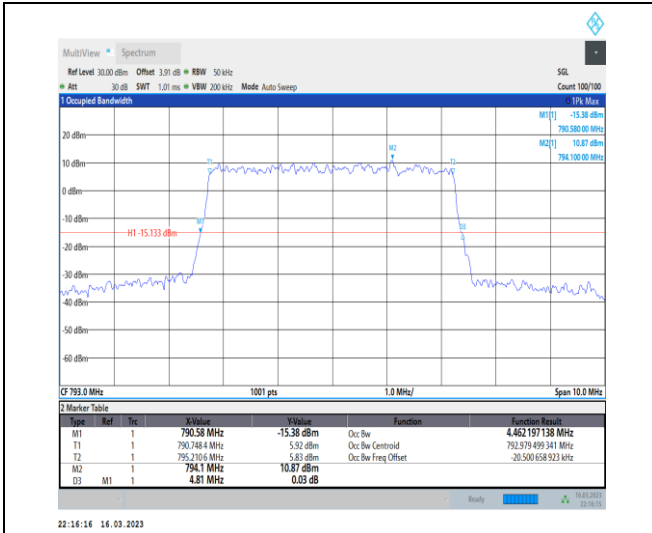
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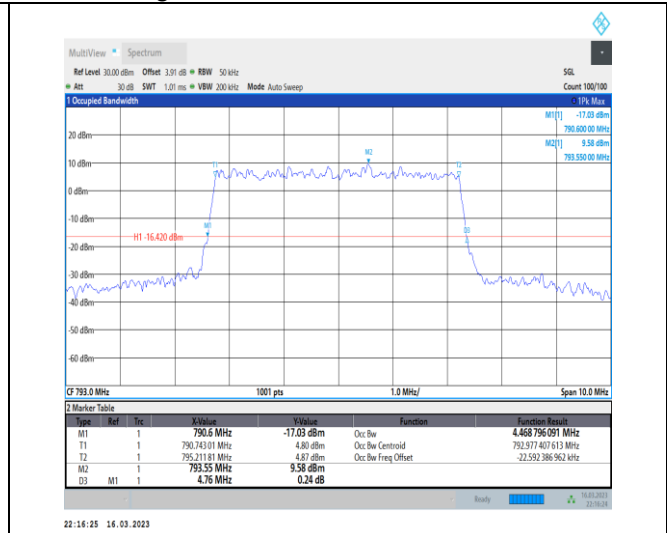
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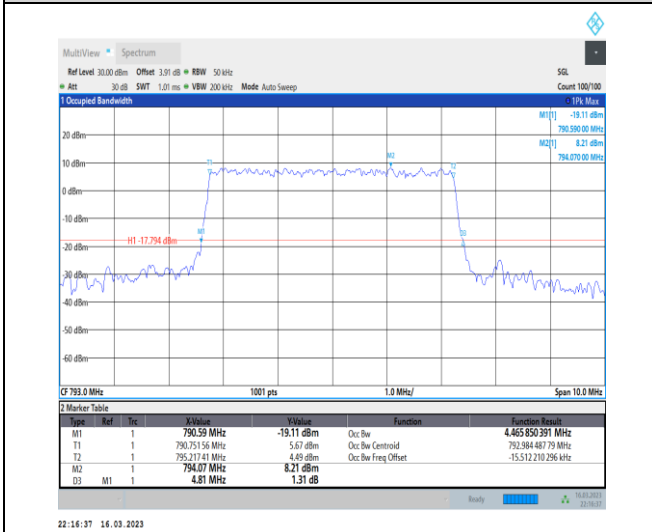
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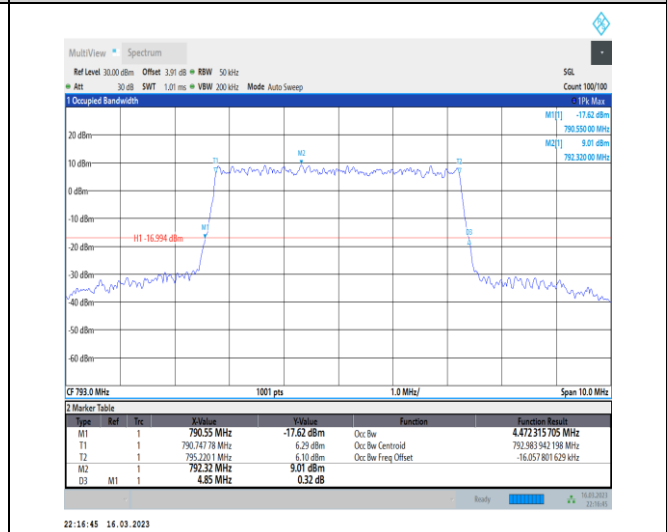
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1-N14-PC3-15-5-M-6-CP-QPSK-Outer_Full-25@0-Ant7-4.466-4.810-≤5-PASS



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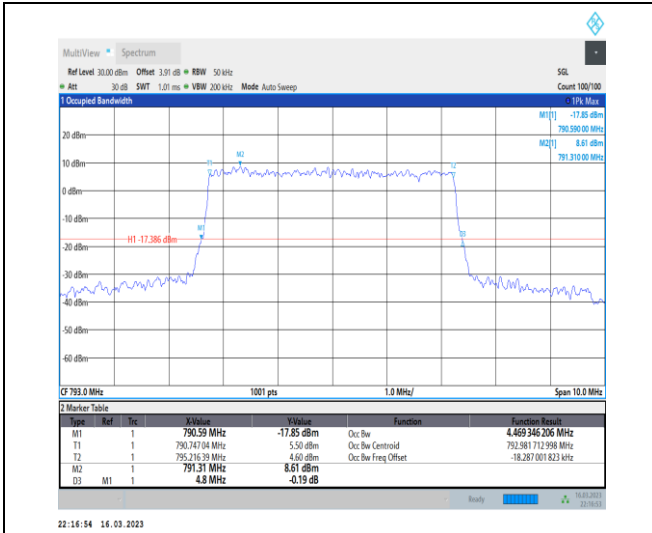
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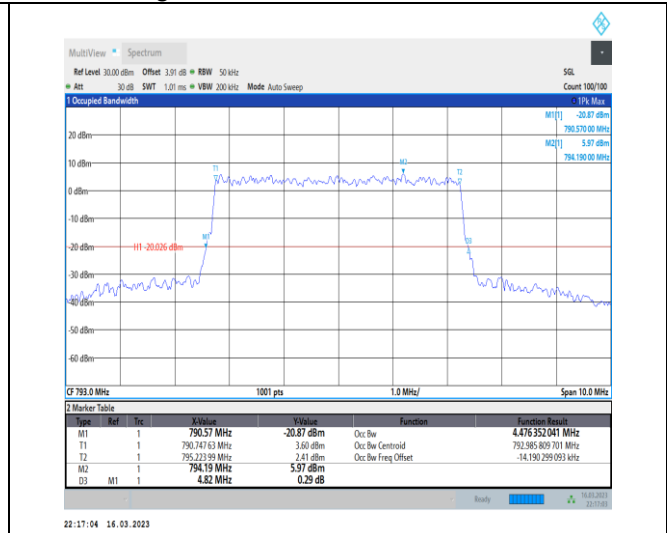
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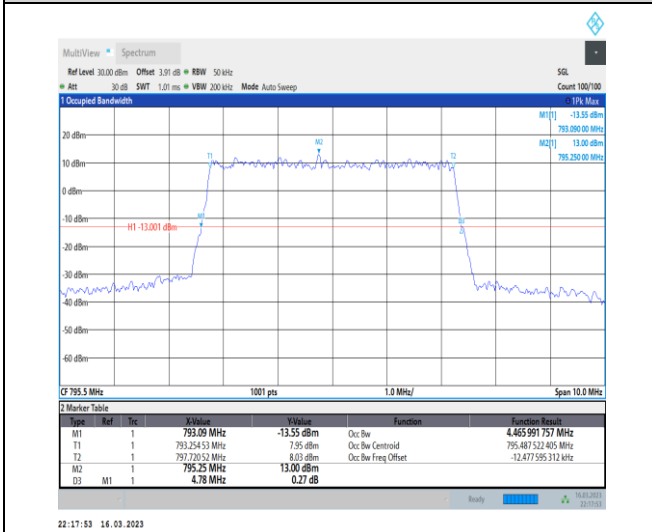
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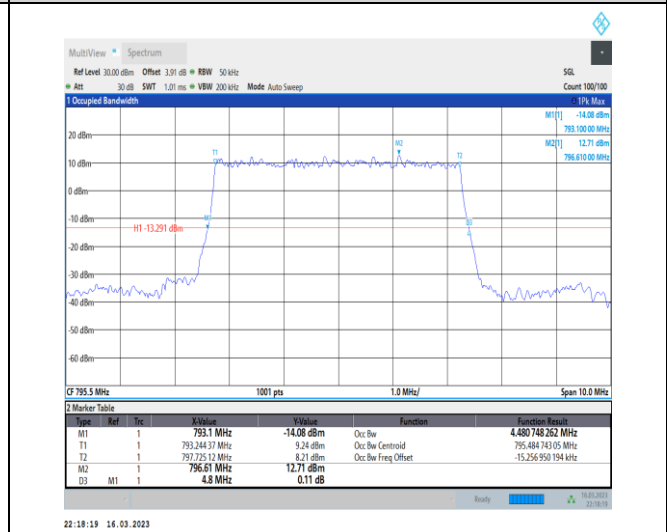
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1-N14-PC3-15-5-H-1-DFT-QPSK-Outer_Full-25@0-Ant7-4.466-4.780-≤5-PASS



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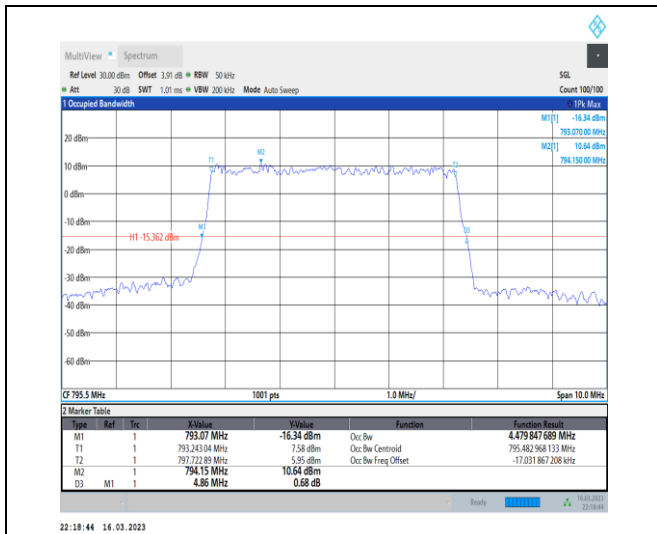
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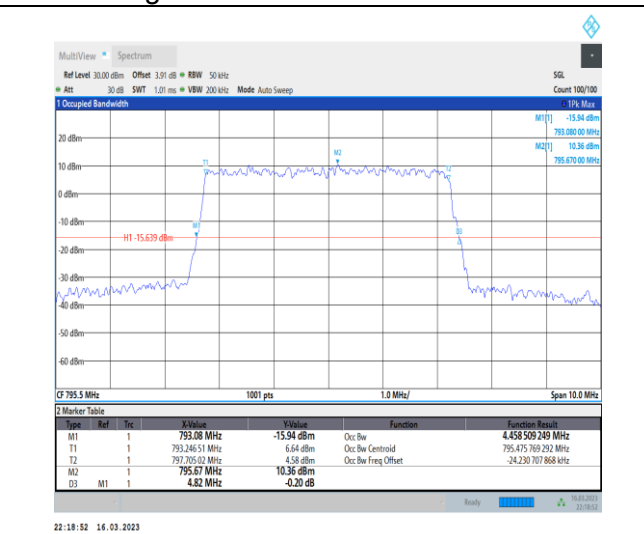
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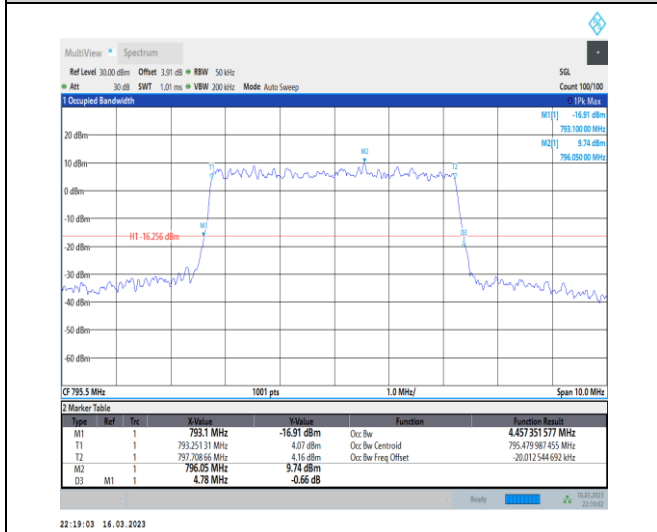
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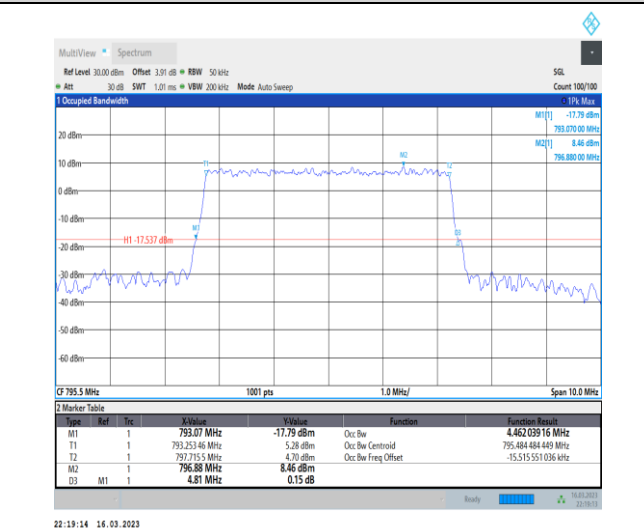
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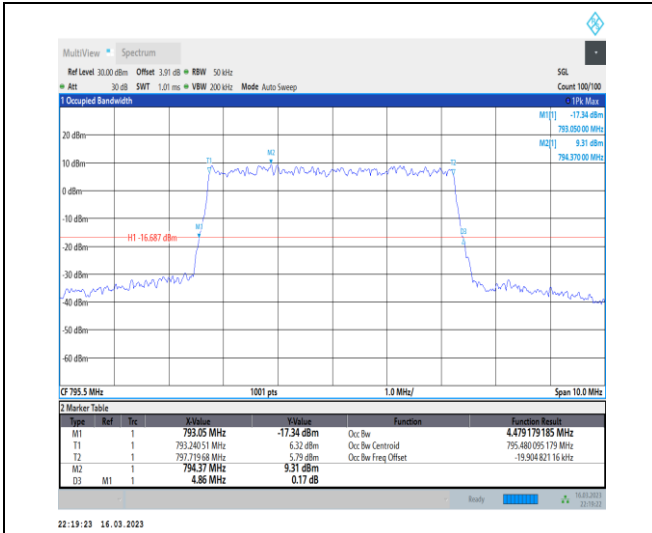
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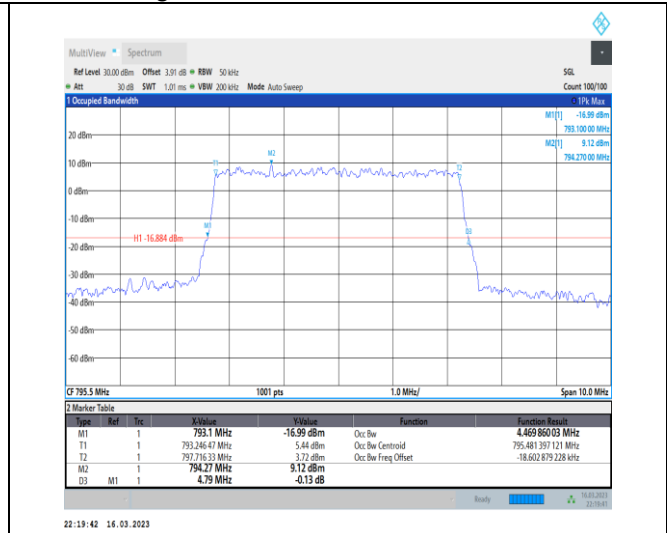
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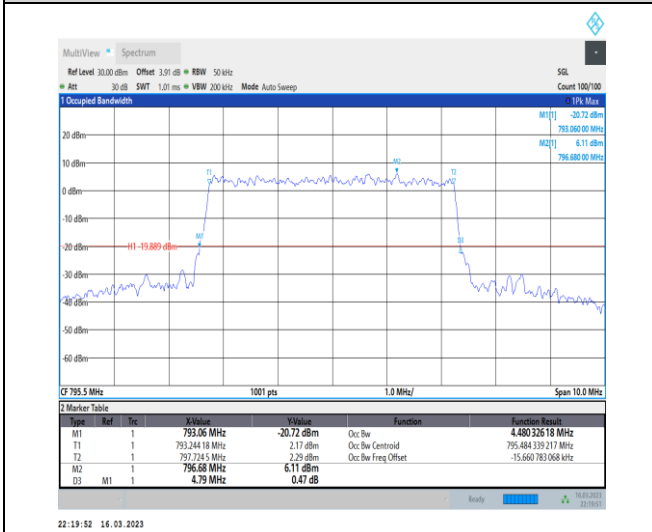
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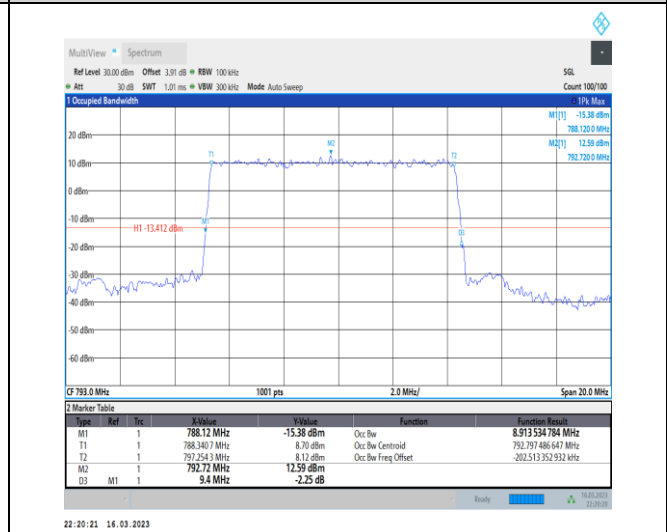
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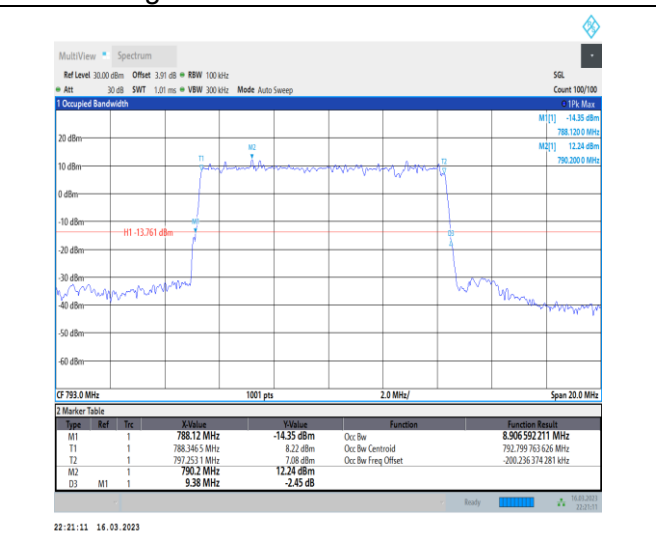
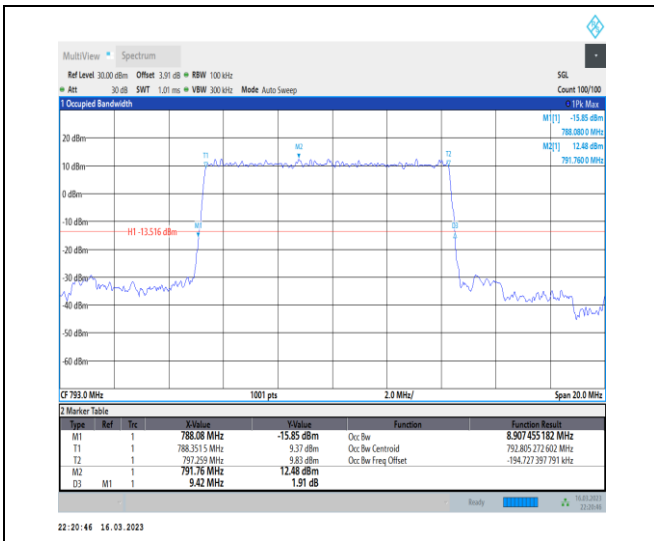
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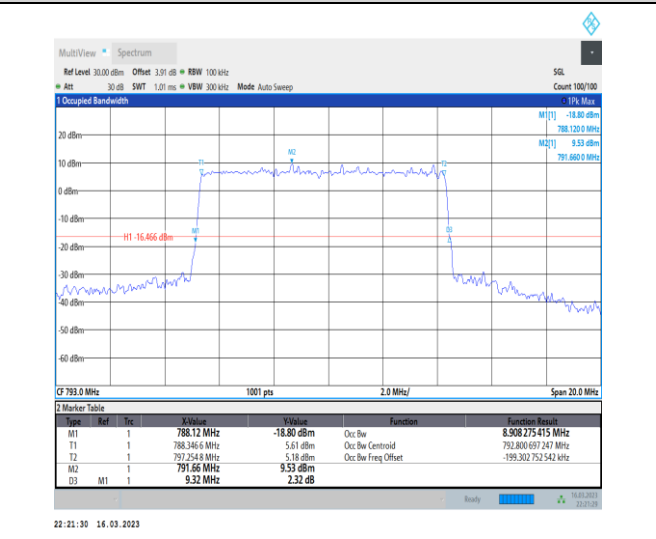
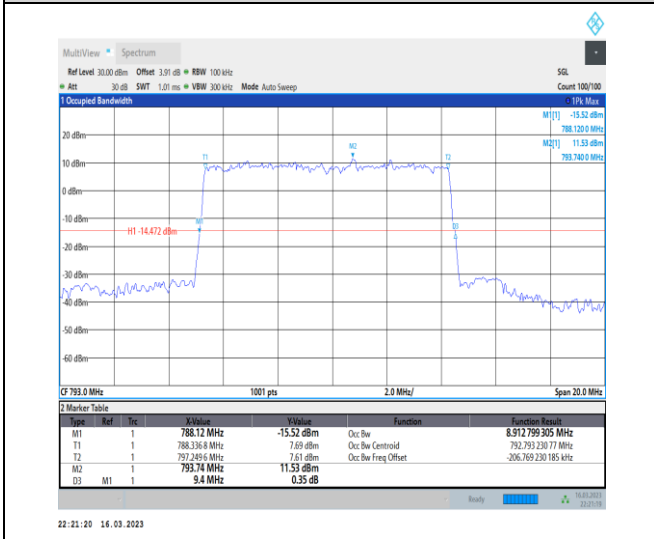
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1-N14-PC3-15-10-L-3-DFT-16QAM-Outer_Full-50 @0-Ant7-8.907-9.380-≤10-PASS



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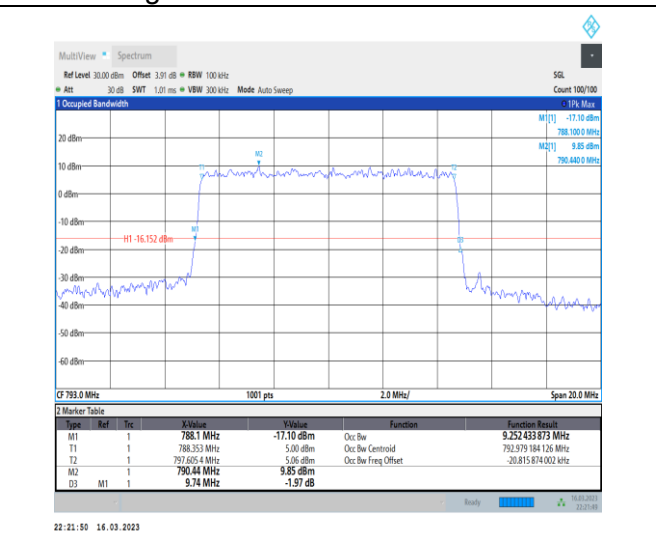
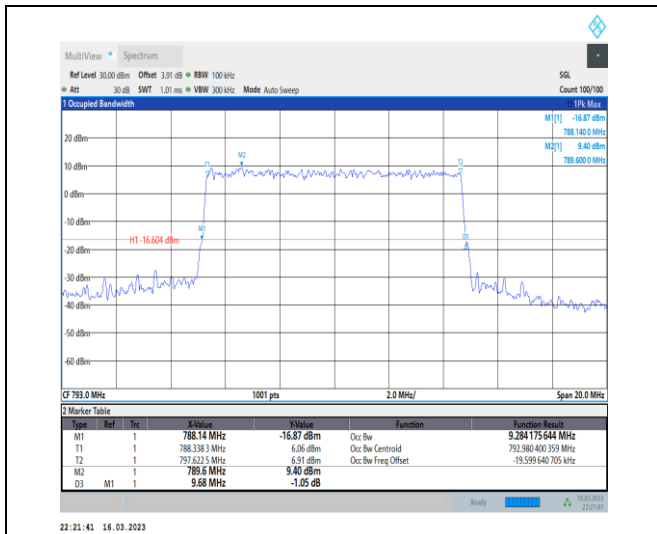
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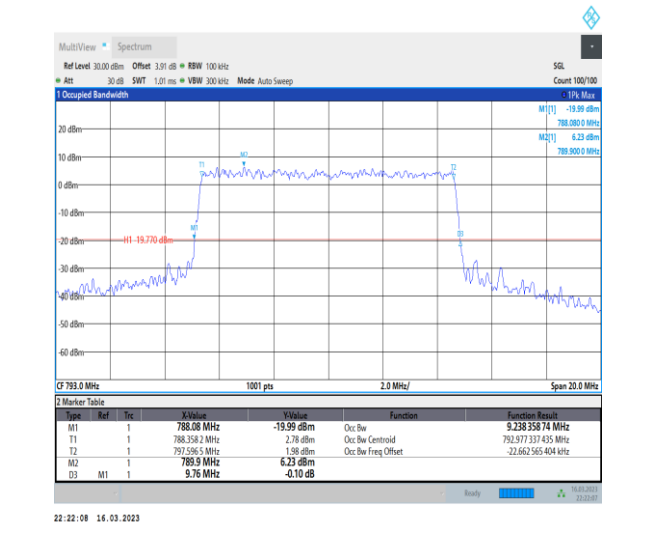
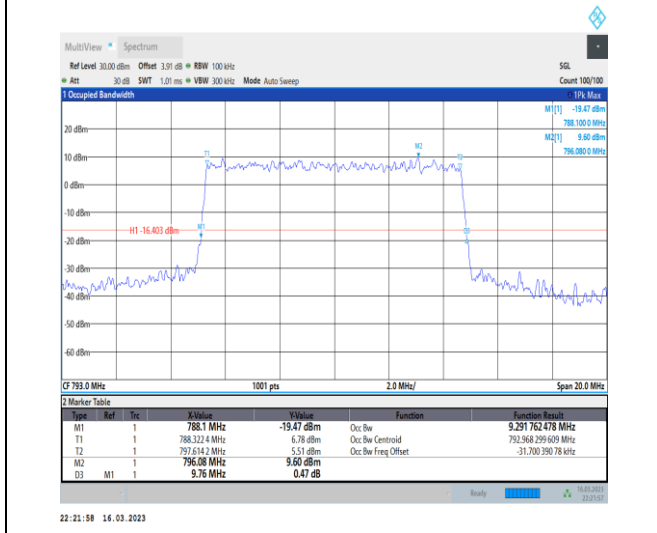
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1-N14-PC3-15-10-L-6-CP-QPSK-Outer_Full-52@0-Ant7-9.284-9.680-≤10-PASS

1-N14-PC3-15-10-L-7-CP-16QAM-Outer_Full-52@0-Ant7-9.252-9.740-≤10-PASS



1-N14-PC3-15-10-L-8-CP-64QAM-Outer_Full-52@0-Ant7-9.292-9.760-≤10-PASS

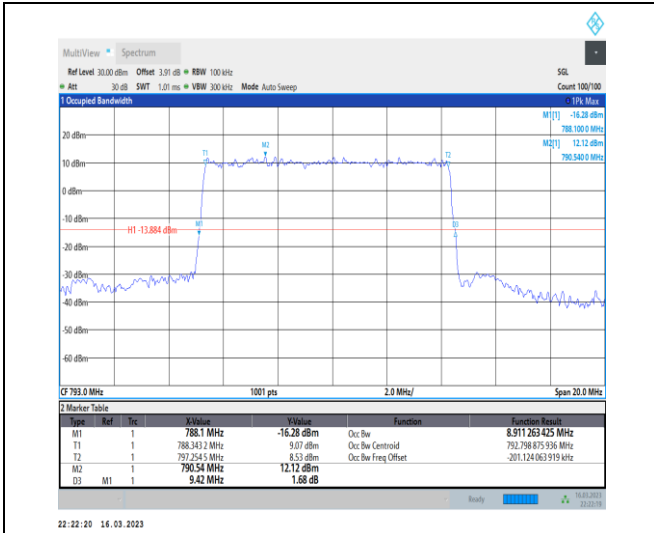
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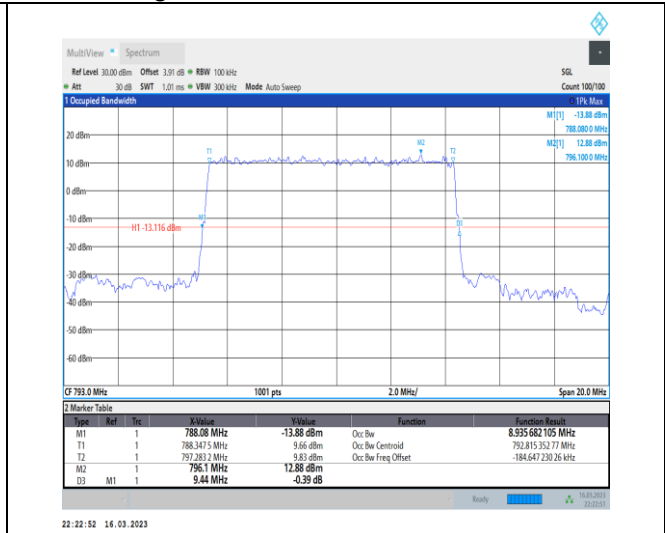
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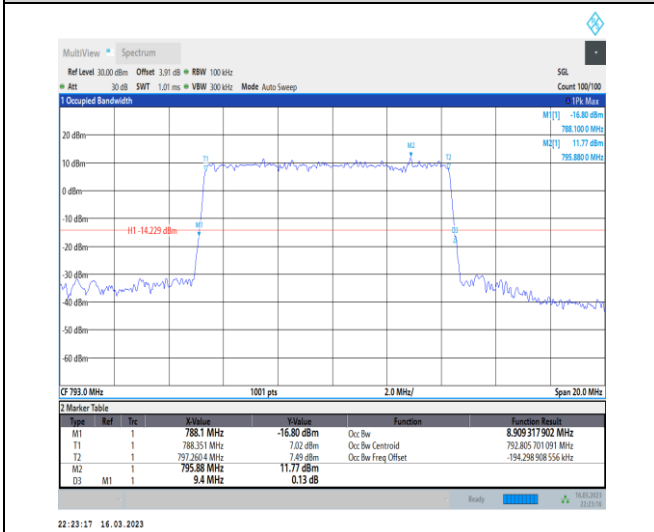
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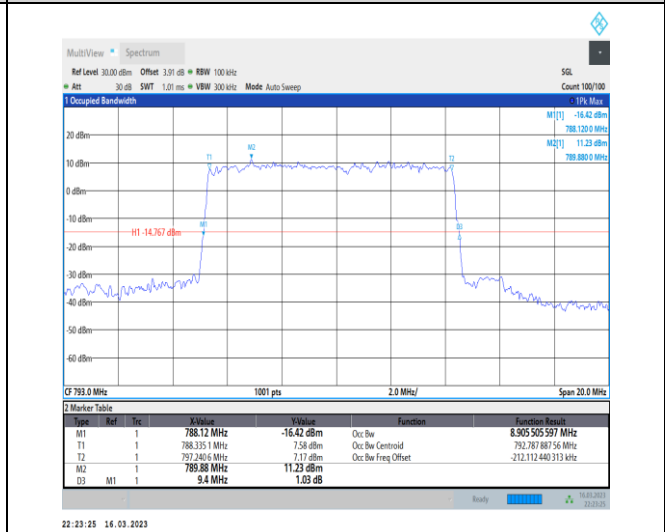
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1-N14-PC3-15-10-M-2-DFT-PI2BPSK-Outer_Full-50@0-Ant7-8.936-9.440-≤10-PASS



1-N14-PC3-15-10-M-3-DFT-16QAM-Outer_Full-50@0-Ant7-8.909-9.400-≤10-PASS



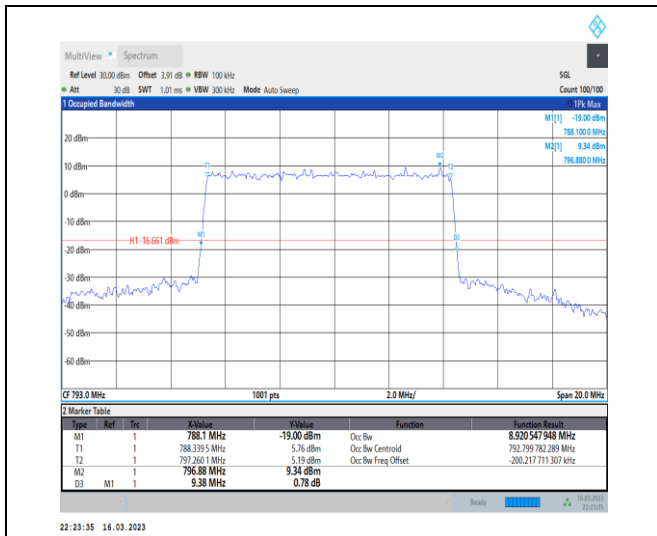
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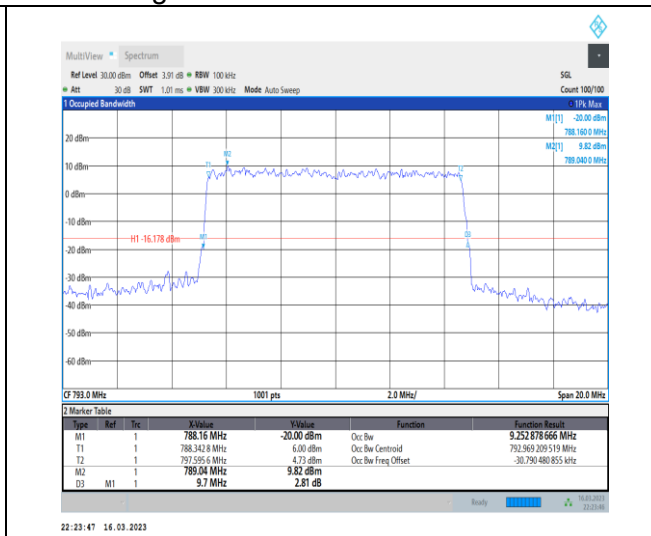
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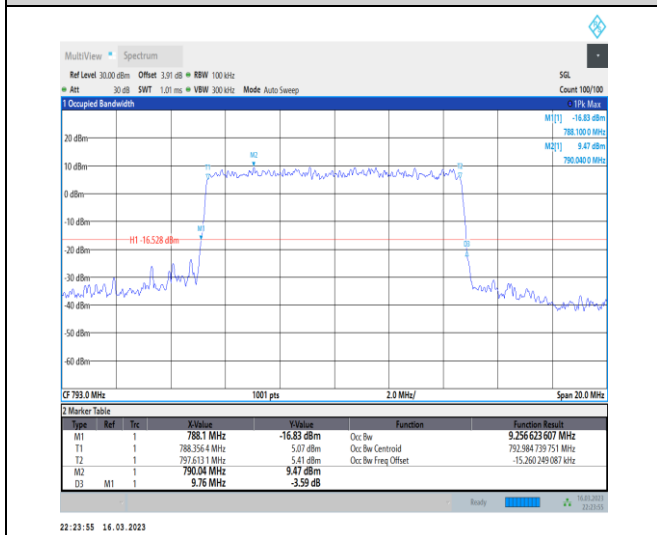
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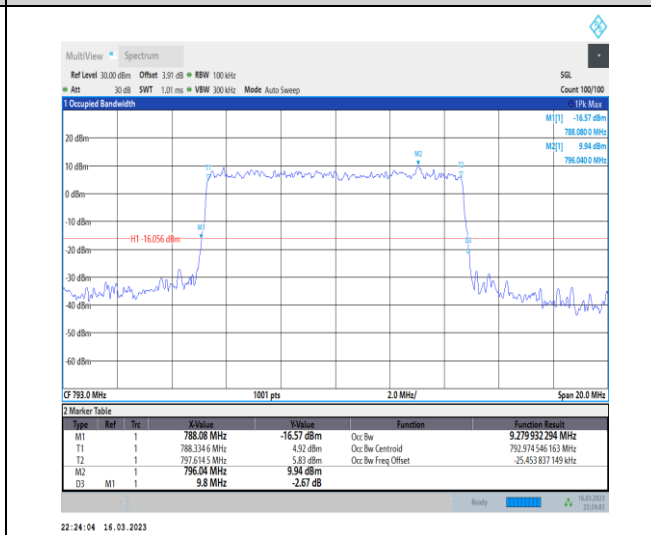
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1-N14-PC3-15-10-M-6-CP-QPSK-Outer_Full-52@0-Ant7-9.253-9.700-≤10-PASS



1-N14-PC3-15-10-M-7-CP-16QAM-Outer_Full-52@0-Ant7-9.257-9.760-≤10-PASS



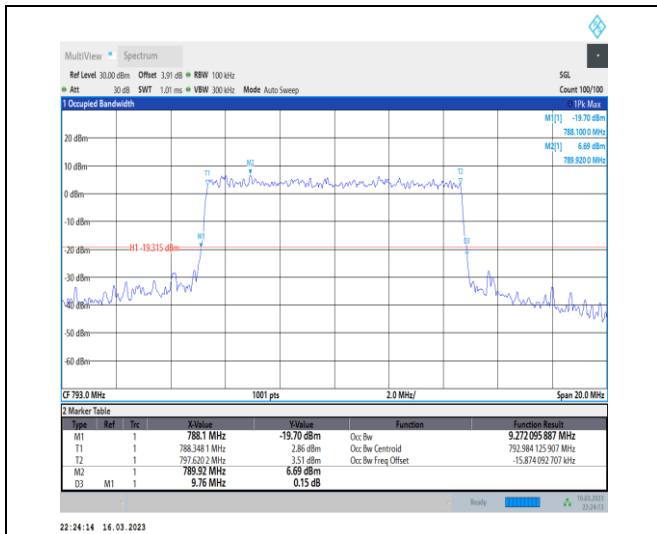
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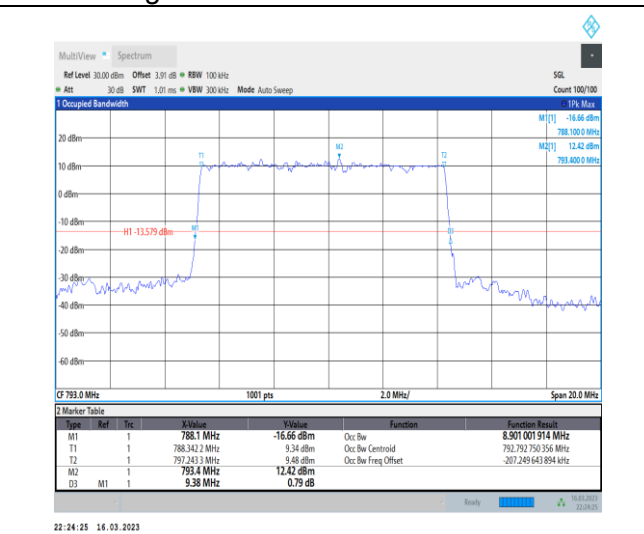
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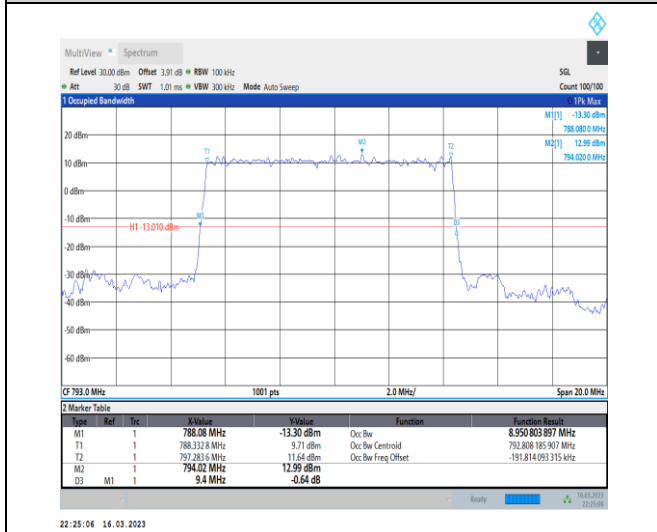
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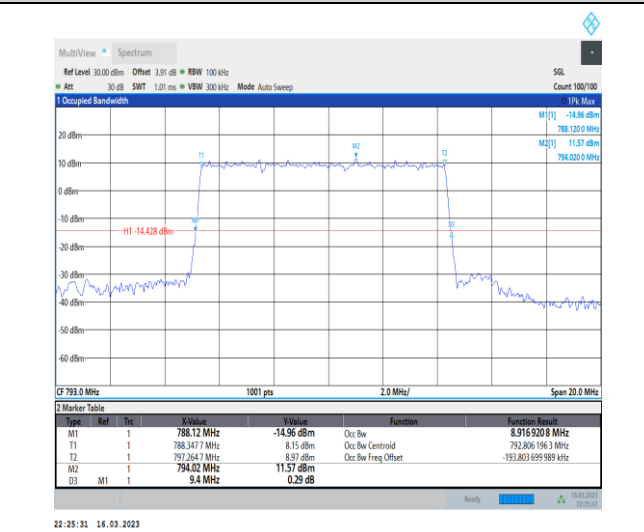
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 0-Ant7-9.272-9.760-≤10-PASS



1-N14-PC3-15-10-H-1-DFT-QPSK-Outer_Full-50@0-
 Ant7-8.901-9.380-≤10-PASS



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 @0-Ant7-8.951-9.400-≤10-PASS



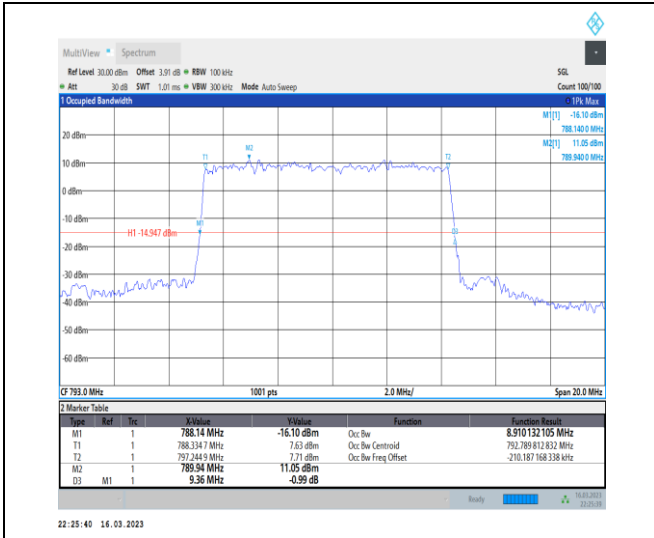
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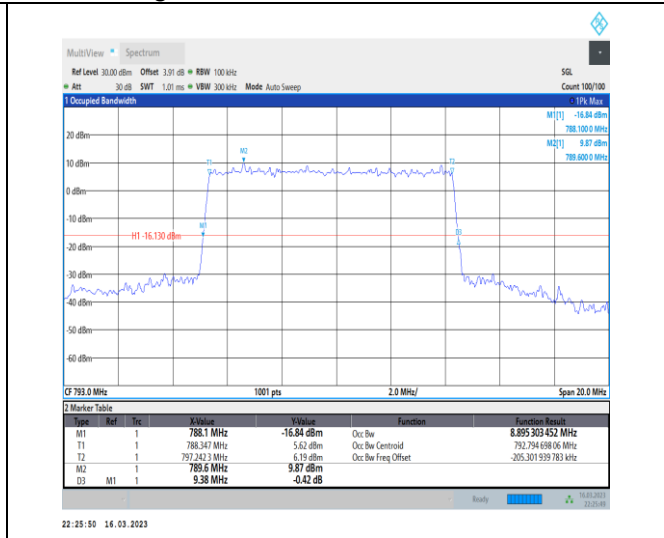
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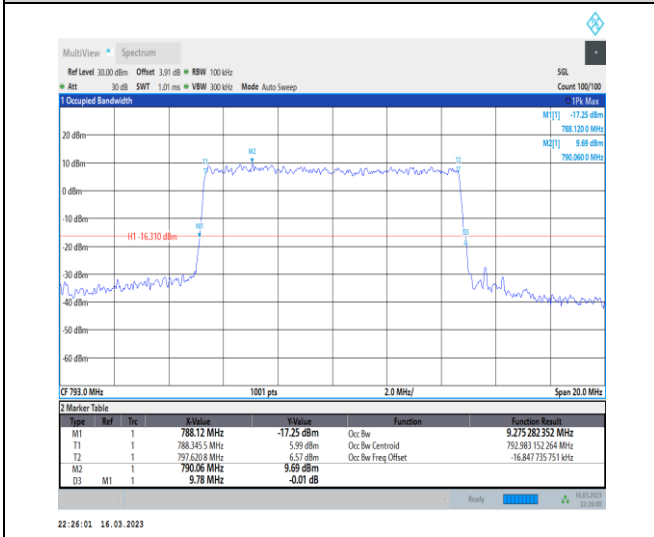
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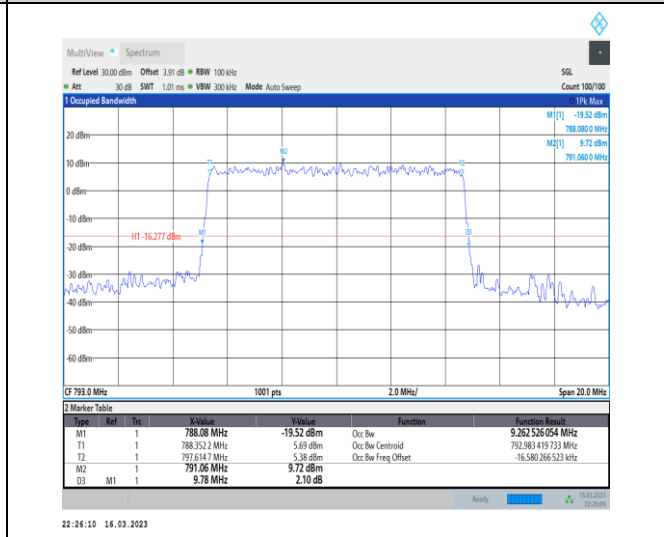
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1-N14-PC3-15-10-H-5-DFT-256QAM-Outer_Full-50
@0-Ant7-8.895-9.380-≤10-PASS



1-N14-PC3-15-10-H-6-CP-QPSK-Outer_Full-52@0-
Ant7-9.275-9.780-≤10-PASS



1-N14-PC3-15-10-H-7-CP-16QAM-Outer_Full-52@0
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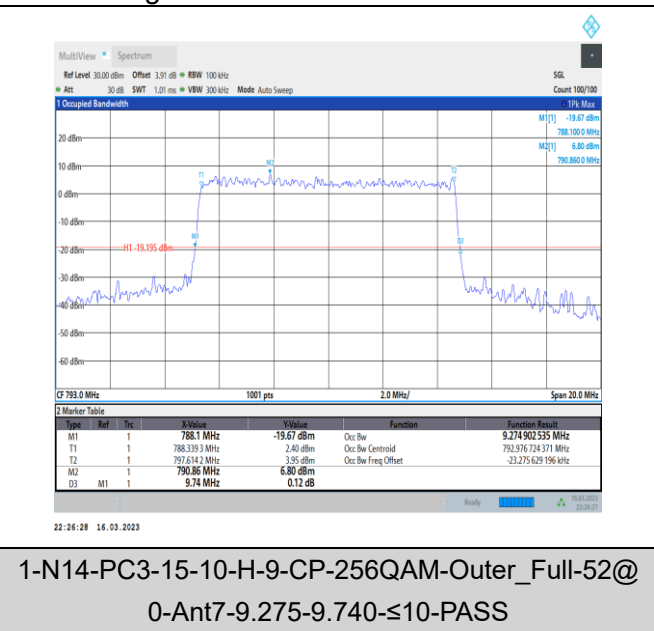
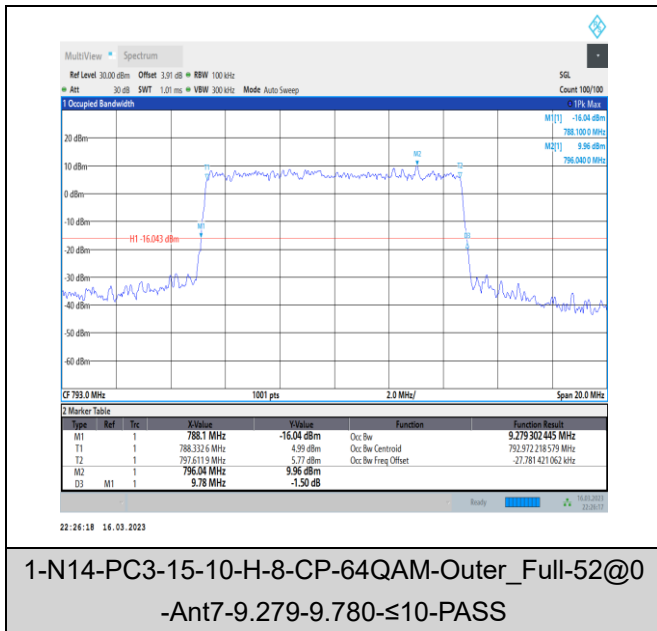
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1-N14-PC3-15-10-H-8-CP-64QAM-Outer_Full-52@0
 -Ant7-9.279-9.780-≤10-PASS

1-N14-PC3-15-10-H-9-CP-256QAM-Outer_Full-52@0
 -Ant7-9.275-9.740-≤10-PASS



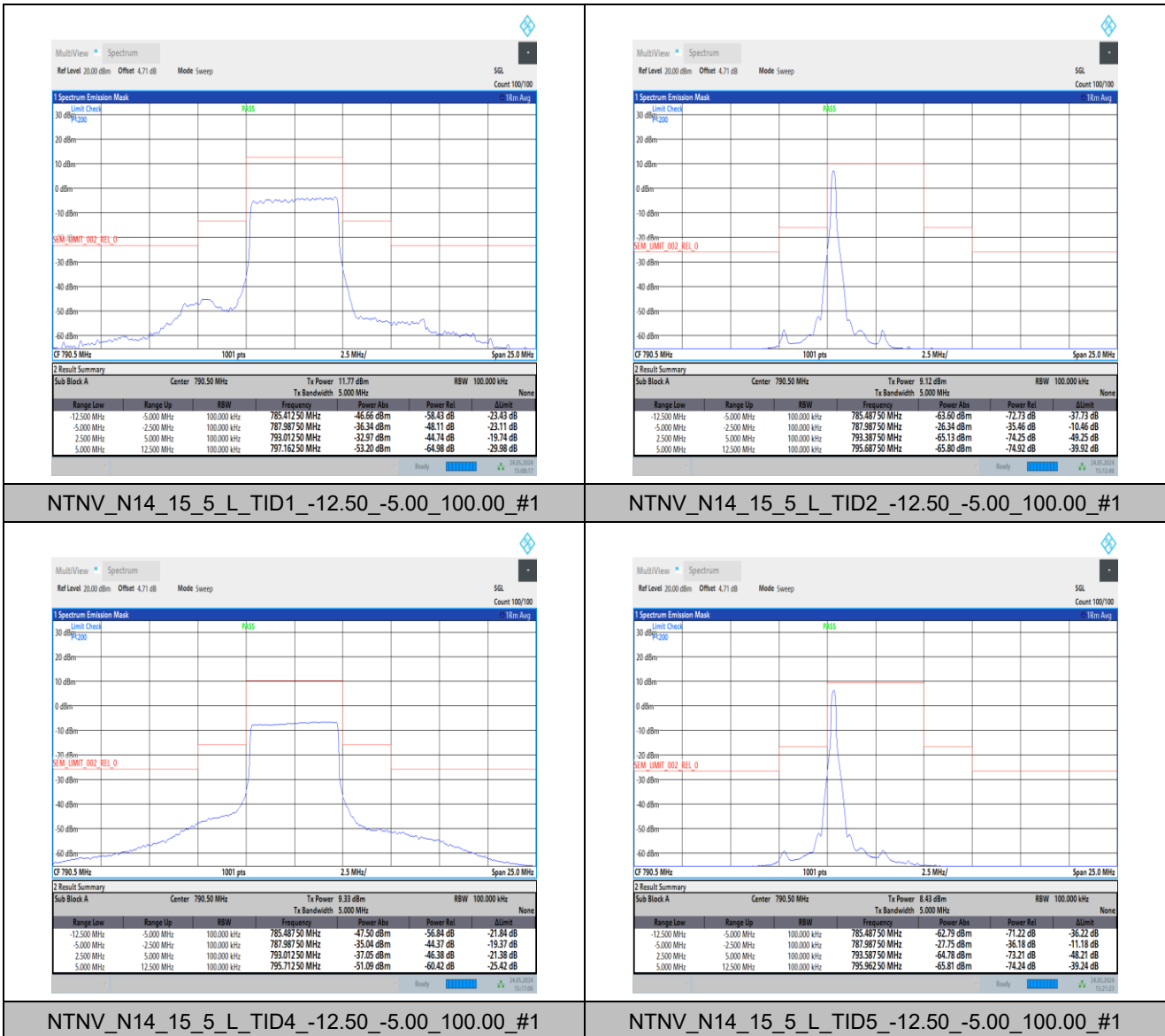
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Emission mask for SA

Test Graphs



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