Appendix B.33

NR Band n14

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Effective (Isotropic) Radiated Power Output Data for SA

Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Power (dBm)	ERP (dBm)	LIMIT (dBm)	Verdict
N14	15	5	DFT-PI2BPSK	L	Inner_1RB_Left	23.36	23.63	34.77	PASS
N14	15	5	DFT-PI2BPSK	L	Inner_1RB_Right	23.23	23.5	34.77	PASS
N14	15	5	DFT-PI2BPSK	L	Outer_Full	23.32	23.59	34.77	PASS
N14	15	5	DFT-QPSK	L	Inner_1RB_Left	23.34	23.61	34.77	PASS
N14	15	5	DFT-QPSK	L	Inner_1RB_Right	23.15	23.42	34.77	PASS
N14	15	5	DFT-QPSK	L	Outer_Full	23.29	23.56	34.77	PASS
N14	15	5	DFT-16QAM	L	Inner_1RB_Left	23.73	24	34.77	PASS
N14	15	5	DFT-16QAM	L	Inner_1RB_Right	23.48	23.75	34.77	PASS
N14	15	5	DFT-16QAM	L	Outer_Full	22.29	22.56	34.77	PASS
N14	15	5	DFT-64QAM	L	Inner_1RB_Left	21.77	22.04	34.77	PASS
N14	15	5	DFT-64QAM	L	Inner_1RB_Right	21.49	21.76	34.77	PASS
N14	15	5	DFT-64QAM	L	Outer_Full	21.92	22.19	34.77	PASS
N14	15	5	DFT-256QAM	L	Inner_1RB_Left	19.58	19.85	34.77	PASS
N14	15	5	DFT-256QAM	L	Inner_1RB_Right	19.39	19.66	34.77	PASS
N14	15	5	DFT-256QAM	L	Outer_Full	19.74	20.01	34.77	PASS
N14	15	5	DFT-PI2BPSK	M	Inner_1RB_Left	23.28	23.55	34.77	PASS
N14	15	5	DFT-PI2BPSK	M	Inner_1RB_Right	23.18	23.45	34.77	PASS
N14	15	5	DFT-PI2BPSK	M	Outer_Full	23.29	23.56	34.77	PASS
N14	15	5	DFT-QPSK	M	Inner_1RB_Left	23.26	23.53	34.77	PASS
N14	15	5	DFT-QPSK	M	Inner_1RB_Right	23.11	23.38	34.77	PASS
N14	15	5	DFT-QPSK	M	Outer_Full	23.25	23.52	34.77	PASS
N14	15	5	DFT-16QAM	M	Inner_1RB_Left	23.64	23.91	34.77	PASS
N14	15	5	DFT-16QAM	M	Inner_1RB_Right	23.47	23.74	34.77	PASS
N14	15	5	DFT-16QAM	M	Outer_Full	22.14	22.41	34.77	PASS
N14	15	5	DFT-64QAM	M	Inner_1RB_Left	21.64	21.91	34.77	PASS

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N14	15	5	DFT-64QAM	M	Inner_1RB_Right	21.5	21.77	34.77	PASS
N14	15	5	DFT-64QAM	M	Outer_Full	21.78	22.05	34.77	PASS
N14	15	5	DFT-256QAM	M	Inner_1RB_Left	19.48	19.75	34.77	PASS
N14	15	5	DFT-256QAM	M	Inner_1RB_Right	19.38	19.65	34.77	PASS
N14	15	5	DFT-256QAM	M	Outer_Full	19.58	19.85	34.77	PASS
N14	15	5	DFT-PI2BPSK	H	Inner_1RB_Left	23.28	23.55	34.77	PASS
N14	15	5	DFT-PI2BPSK	H	Inner_1RB_Right	23.15	23.42	34.77	PASS
N14	15	5	DFT-PI2BPSK	H	Outer_Full	23.23	23.5	34.77	PASS
N14	15	5	DFT-QPSK	H	Inner_1RB_Left	23.25	23.52	34.77	PASS
N14	15	5	DFT-QPSK	H	Inner_1RB_Right	23.18	23.45	34.77	PASS
N14	15	5	DFT-QPSK	H	Outer_Full	23.19	23.46	34.77	PASS
N14	15	5	DFT-16QAM	H	Inner_1RB_Left	23.55	23.82	34.77	PASS
N14	15	5	DFT-16QAM	H	Inner_1RB_Right	23.55	23.82	34.77	PASS
N14	15	5	DFT-16QAM	H	Outer_Full	22.18	22.45	34.77	PASS
N14	15	5	DFT-64QAM	H	Inner_1RB_Left	21.5	21.77	34.77	PASS
N14	15	5	DFT-64QAM	H	Inner_1RB_Right	21.53	21.8	34.77	PASS
N14	15	5	DFT-64QAM	H	Outer_Full	21.8	22.07	34.77	PASS
N14	15	5	DFT-256QAM	H	Inner_1RB_Left	19.32	19.59	34.77	PASS
N14	15	5	DFT-256QAM	H	Inner_1RB_Right	19.38	19.65	34.77	PASS
N14	15	5	DFT-256QAM	H	Outer_Full	19.58	19.85	34.77	PASS
N14	15	10	DFT-PI2BPSK	L	Inner_1RB_Left	23.33	23.6	34.77	PASS
N14	15	10	DFT-PI2BPSK	L	Inner_1RB_Right	23.15	23.42	34.77	PASS
N14	15	10	DFT-PI2BPSK	L	Outer_Full	23.22	23.49	34.77	PASS
N14	15	10	DFT-QPSK	L	Inner_1RB_Left	23.38	23.65	34.77	PASS
N14	15	10	DFT-QPSK	L	Inner_1RB_Right	23.15	23.42	34.77	PASS
N14	15	10	DFT-QPSK	L	Outer_Full	23.18	23.45	34.77	PASS
N14	15	10	DFT-16QAM	L	Inner_1RB_Left	23.72	23.99	34.77	PASS
N14	15	10	DFT-16QAM	L	Inner_1RB_Right	23.57	23.84	34.77	PASS
N14	15	10	DFT-16QAM	L	Outer_Full	22.14	22.41	34.77	PASS
N14	15	10	DFT-64QAM	L	Inner_1RB_Left	21.65	21.92	34.77	PASS
N14	15	10	DFT-64QAM	L	Inner_1RB_Right	21.53	21.8	34.77	PASS
N14	15	10	DFT-64QAM	L	Outer_Full	21.72	21.99	34.77	PASS

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N14	15	10	DFT-256QAM	L	Inner_1RB_Left	19.43	19.7	34.77	PASS
N14	15	10	DFT-256QAM	L	Inner_1RB_Right	19.42	19.69	34.77	PASS
N14	15	10	DFT-256QAM	L	Outer_Full	19.64	19.91	34.77	PASS
N14	15	10	DFT-PI2BPSK	M	Inner_1RB_Left	23.29	23.56	34.77	PASS
N14	15	10	DFT-PI2BPSK	M	Inner_1RB_Right	23.16	23.43	34.77	PASS
N14	15	10	DFT-PI2BPSK	M	Outer_Full	23.27	23.54	34.77	PASS
N14	15	10	DFT-QPSK	M	Inner_1RB_Left	23.32	23.59	34.77	PASS
N14	15	10	DFT-QPSK	M	Inner_1RB_Right	23.17	23.44	34.77	PASS
N14	15	10	DFT-QPSK	M	Outer_Full	23.27	23.54	34.77	PASS
N14	15	10	DFT-16QAM	M	Inner_1RB_Left	23.78	24.05	34.77	PASS
N14	15	10	DFT-16QAM	M	Inner_1RB_Right	23.65	23.92	34.77	PASS
N14	15	10	DFT-16QAM	M	Outer_Full	22.05	22.32	34.77	PASS
N14	15	10	DFT-64QAM	M	Inner_1RB_Left	21.7	21.97	34.77	PASS
N14	15	10	DFT-64QAM	M	Inner_1RB_Right	21.49	21.76	34.77	PASS
N14	15	10	DFT-64QAM	M	Outer_Full	21.71	21.98	34.77	PASS
N14	15	10	DFT-256QAM	M	Inner_1RB_Left	19.52	19.79	34.77	PASS
N14	15	10	DFT-256QAM	M	Inner_1RB_Right	19.38	19.65	34.77	PASS
N14	15	10	DFT-256QAM	M	Outer_Full	19.63	19.9	34.77	PASS
N14	15	10	DFT-PI2BPSK	H	Inner_1RB_Left	23.31	23.58	34.77	PASS
N14	15	10	DFT-PI2BPSK	H	Inner_1RB_Right	23.1	23.37	34.77	PASS
N14	15	10	DFT-PI2BPSK	H	Outer_Full	23.21	23.48	34.77	PASS
N14	15	10	DFT-QPSK	H	Inner_1RB_Left	23.35	23.62	34.77	PASS
N14	15	10	DFT-QPSK	H	Inner_1RB_Right	23.14	23.41	34.77	PASS
N14	15	10	DFT-QPSK	H	Outer_Full	23.21	23.48	34.77	PASS
N14	15	10	DFT-16QAM	H	Inner_1RB_Left	23.72	23.99	34.77	PASS
N14	15	10	DFT-16QAM	H	Inner_1RB_Right	23.57	23.84	34.77	PASS
N14	15	10	DFT-16QAM	H	Outer_Full	22.09	22.36	34.77	PASS
N14	15	10	DFT-64QAM	H	Inner_1RB_Left	21.66	21.93	34.77	PASS
N14	15	10	DFT-64QAM	H	Inner_1RB_Right	21.51	21.78	34.77	PASS
N14	15	10	DFT-64QAM	H	Outer_Full	21.73	22	34.77	PASS
N14	15	10	DFT-256QAM	H	Inner_1RB_Left	19.44	19.71	34.77	PASS
N14	15	10	DFT-256QAM	H	Inner_1RB_Right	19.4	19.67	34.77	PASS

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N14	15	10	DFT-256QAM	H	Outer_Full	19.64	19.91	34.77	PASS

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Peak-to-Average Ratio for SA

Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	DutyCycle	Factor	Result	Limit	Verdict
N14	15	10	DFT-256QAM	L	Outer_Full	100%	0.00	8.90	≤13	PASS
N14	15	10	CP-256QAM	L	Outer_Full	100%	0.00	9.40	≤13	PASS
N14	15	10	DFT-256QAM	M	Outer_Full	100%	0.00	8.79	≤13	PASS
N14	15	10	CP-256QAM	M	Outer_Full	100%	0.00	9.39	≤13	PASS
N14	15	10	DFT-256QAM	H	Outer_Full	100%	0.00	8.81	≤13	PASS
N14	15	10	CP-256QAM	H	Outer_Full	100%	0.00	9.40	≤13	PASS

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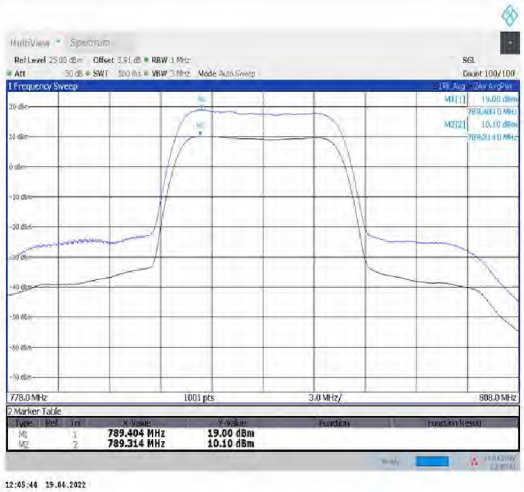
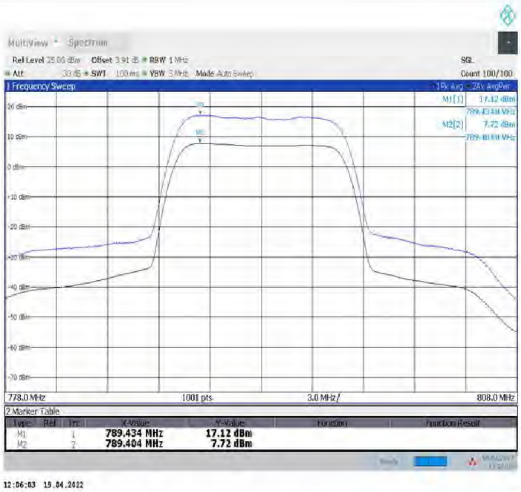
Test Graphs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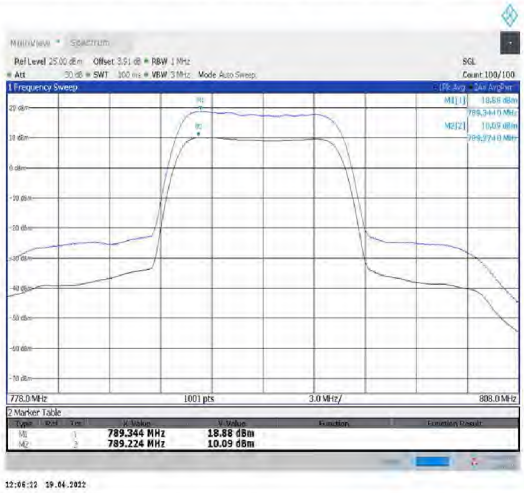	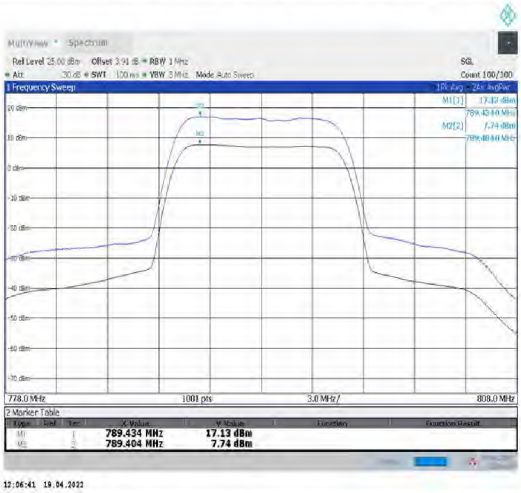
1-N14--15-10-M-1-DFT-256QAM-Outer_Full-50@0-Ant1-8.79-100%-0.00-8.79-PASS-≤13	1-N14--15-10-M-2-CP-256QAM-Outer_Full-52@0-Ant1-9.39-100%-0.00-9.39-PASS-≤13

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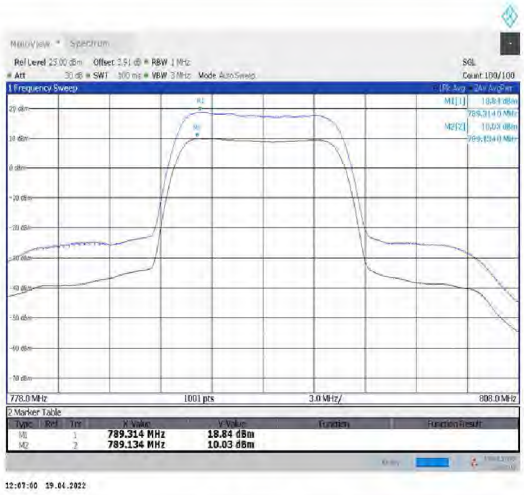	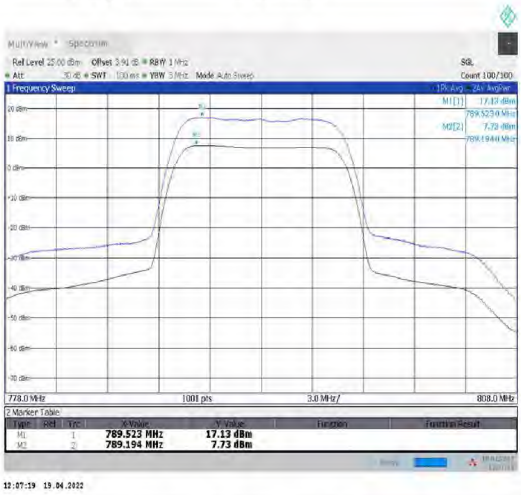
1-N14--15-10-H-1-DFT-256QAM-Outer_Full-50@0-Ant1-8.81-100%-0.00-8.81-PASS-≤13	1-N14--15-10-H-2-CP-256QAM-Outer_Full-52@0-Ant1-9.40-100%-0.00-9.40-PASS-≤13

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Modulation characteristics for SA

Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result	Verdict
N14	15	10	DFT-PI2BPSK	M	Outer_Full	see graph	PASS
N14	15	10	DFT-QPSK	M	Outer_Full	see graph	PASS
N14	15	10	DFT-16QAM	M	Outer_Full	see graph	PASS
N14	15	10	DFT-64QAM	M	Outer_Full	see graph	PASS
N14	15	10	DFT-256QAM	M	Outer_Full	see graph	PASS
N14	15	10	CP-QPSK	M	Outer_Full	see graph	PASS
N14	15	10	CP-16QAM	M	Outer_Full	see graph	PASS
N14	15	10	CP-64QAM	M	Outer_Full	see graph	PASS
N14	15	10	CP-256QAM	M	Outer_Full	see graph	PASS

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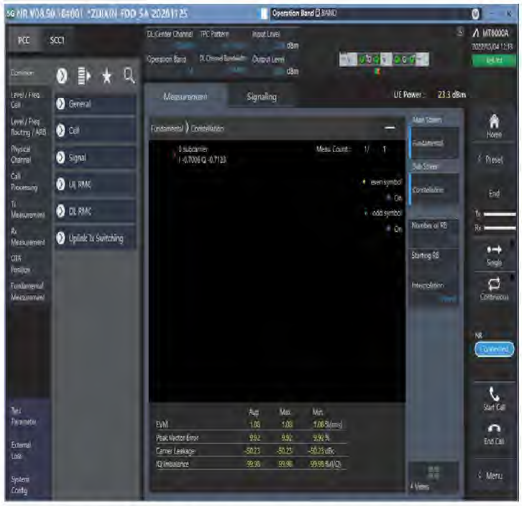
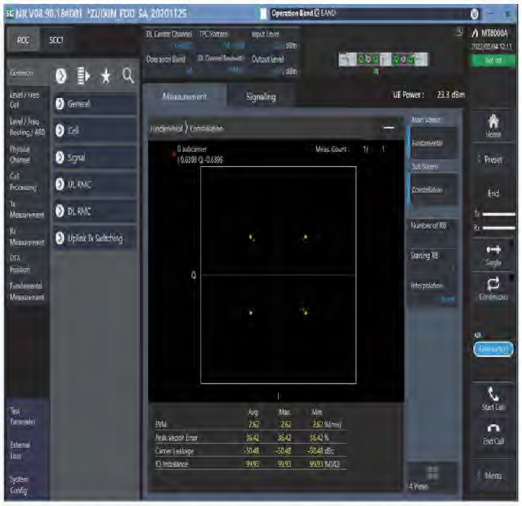
Test Graphs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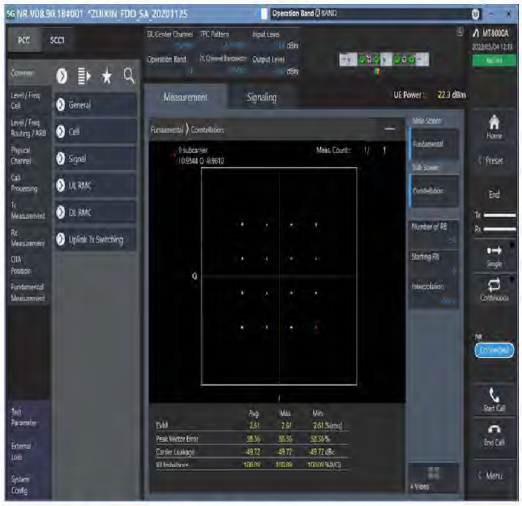	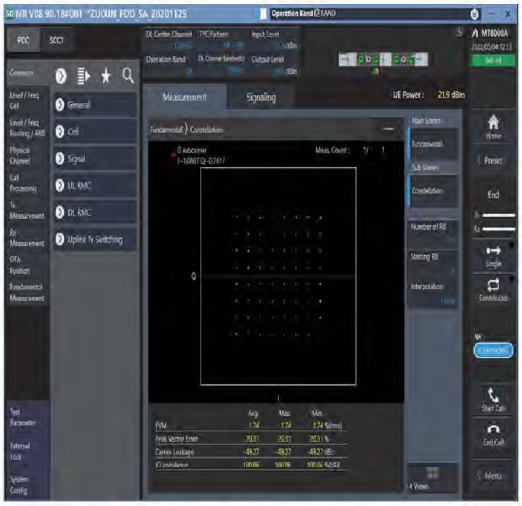
1-N14-PC3-15-10-M-3-DFT-16QAM-Outer_Full-50@0-Ant1-see graph-PASS	1-N14-PC3-15-10-M-4-DFT-64QAM-Outer_Full-50@0-Ant1-see graph-PASS

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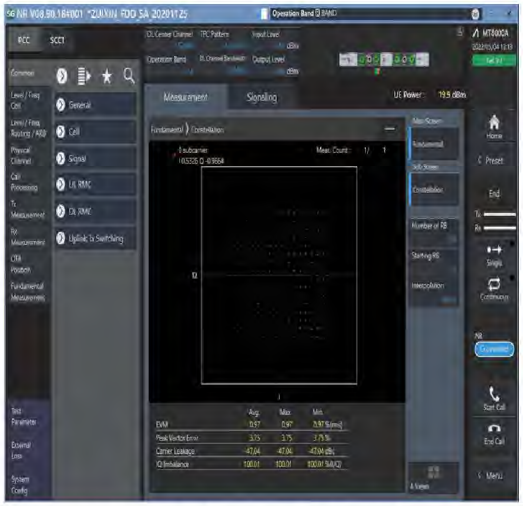
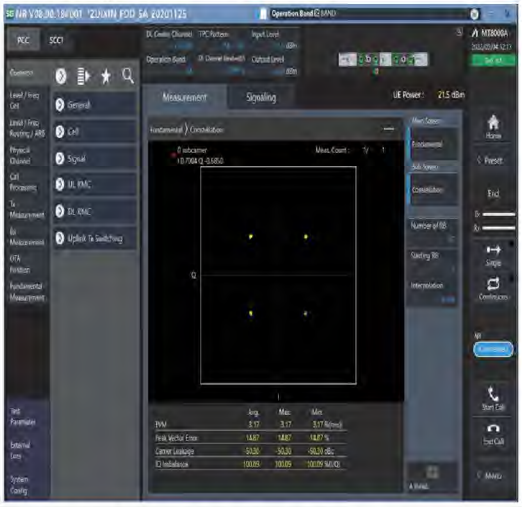
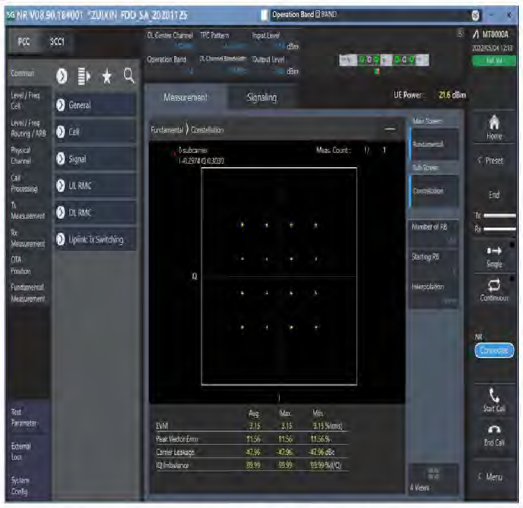
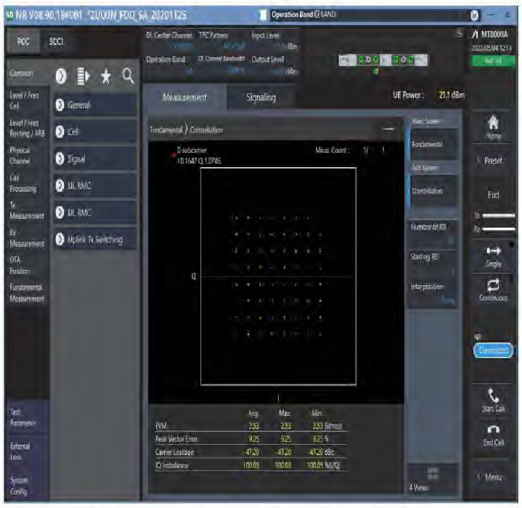
	
1-N14-PC3-15-10-M-5-DFT-256QAM-Outer_Full-50@0-Ant1-see graph-PASS	1-N14-PC3-15-10-M-6-CP-QPSK-Outer_Full-52@0-Ant1-see graph-PASS
	
1-N14-PC3-15-10-M-7-CP-16QAM-Outer_Full-52@0-Ant1-see graph-PASS	1-N14-PC3-15-10-M-8-CP-64QAM-Outer_Full-52@0-Ant1-see graph-PASS

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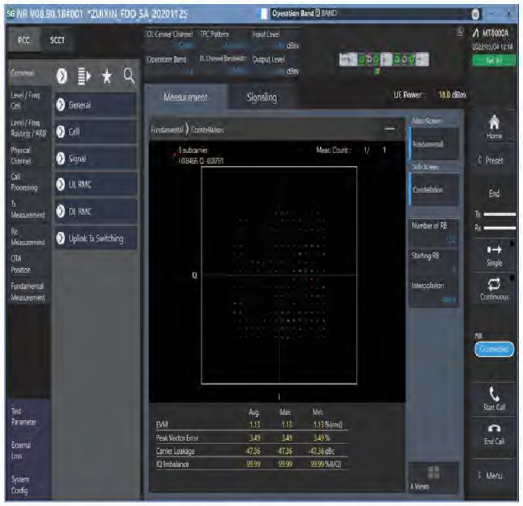	
1-N14-PC3-15-10-M-9-CP-256QAM-Outer_Full-52@0-Ant1-see graph-PASS	

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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	4.486	4.990	PASS
N14	15	5	DFT-PI2BPSK	L	Outer_Full	4.474	5.100	PASS
N14	15	5	DFT-16QAM	L	Outer_Full	4.476	5.060	PASS
N14	15	5	DFT-64QAM	L	Outer_Full	4.482	5.090	PASS
N14	15	5	DFT-256QAM	L	Outer_Full	4.482	5.110	PASS
N14	15	5	CP-QPSK	L	Outer_Full	4.47	5.060	PASS
N14	15	5	CP-16QAM	L	Outer_Full	4.494	5.190	PASS
N14	15	5	CP-64QAM	L	Outer_Full	4.495	5.240	PASS
N14	15	5	CP-256QAM	L	Outer_Full	4.491	5.160	PASS
N14	15	5	DFT-QPSK	M	Outer_Full	4.483	5.010	PASS
N14	15	5	DFT-PI2BPSK	M	Outer_Full	4.493	5.160	PASS
N14	15	5	DFT-16QAM	M	Outer_Full	4.485	5.080	PASS
N14	15	5	DFT-64QAM	M	Outer_Full	4.49	5.170	PASS
N14	15	5	DFT-256QAM	M	Outer_Full	4.492	5.140	PASS
N14	15	5	CP-QPSK	M	Outer_Full	4.483	5.180	PASS
N14	15	5	CP-16QAM	M	Outer_Full	4.479	5.090	PASS
N14	15	5	CP-64QAM	M	Outer_Full	4.483	5.200	PASS
N14	15	5	CP-256QAM	M	Outer_Full	4.501	5.250	PASS
N14	15	5	DFT-QPSK	H	Outer_Full	4.472	4.930	PASS
N14	15	5	DFT-PI2BPSK	H	Outer_Full	4.493	5.160	PASS
N14	15	5	DFT-16QAM	H	Outer_Full	4.472	5.050	PASS
N14	15	5	DFT-64QAM	H	Outer_Full	4.476	5.110	PASS
N14	15	5	DFT-256QAM	H	Outer_Full	4.473	5.050	PASS
N14	15	5	CP-QPSK	H	Outer_Full	4.486	5.190	PASS
N14	15	5	CP-16QAM	H	Outer_Full	4.484	5.160	PASS
N14	15	5	CP-64QAM	H	Outer_Full	4.485	5.160	PASS
N14	15	5	CP-256QAM	H	Outer_Full	4.487	5.150	PASS
N14	15	10	DFT-QPSK	L	Outer_Full	8.96	9.740	PASS
N14	15	10	DFT-PI2BPSK	L	Outer_Full	8.963	9.740	PASS
N14	15	10	DFT-16QAM	L	Outer_Full	8.956	9.620	PASS
N14	15	10	DFT-64QAM	L	Outer_Full	8.946	9.780	PASS
N14	15	10	DFT-256QAM	L	Outer_Full	8.947	9.640	PASS

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N14	15	10	CP-QPSK	L	Outer_Full	9.314	10.240	PASS
N14	15	10	CP-16QAM	L	Outer_Full	9.294	10.180	PASS
N14	15	10	CP-64QAM	L	Outer_Full	9.319	10.280	PASS
N14	15	10	CP-256QAM	L	Outer_Full	9.317	10.180	PASS
N14	15	10	DFT-QPSK	M	Outer_Full	8.955	9.740	PASS
N14	15	10	DFT-PI2BPSK	M	Outer_Full	8.958	9.740	PASS
N14	15	10	DFT-16QAM	M	Outer_Full	8.957	9.580	PASS
N14	15	10	DFT-64QAM	M	Outer_Full	8.947	9.780	PASS
N14	15	10	DFT-256QAM	M	Outer_Full	8.948	9.640	PASS
N14	15	10	CP-QPSK	M	Outer_Full	9.312	10.200	PASS
N14	15	10	CP-16QAM	M	Outer_Full	9.293	10.140	PASS
N14	15	10	CP-64QAM	M	Outer_Full	9.307	10.260	PASS
N14	15	10	CP-256QAM	M	Outer_Full	9.317	10.180	PASS
N14	15	10	DFT-QPSK	H	Outer_Full	8.954	9.740	PASS
N14	15	10	DFT-PI2BPSK	H	Outer_Full	8.951	9.860	PASS
N14	15	10	DFT-16QAM	H	Outer_Full	8.958	9.620	PASS
N14	15	10	DFT-64QAM	H	Outer_Full	8.945	9.760	PASS
N14	15	10	DFT-256QAM	H	Outer_Full	8.947	9.640	PASS
N14	15	10	CP-QPSK	H	Outer_Full	9.316	10.240	PASS
N14	15	10	CP-16QAM	H	Outer_Full	9.293	10.140	PASS
N14	15	10	CP-64QAM	H	Outer_Full	9.323	10.280	PASS
N14	15	10	CP-256QAM	H	Outer_Full	9.317	10.180	PASS

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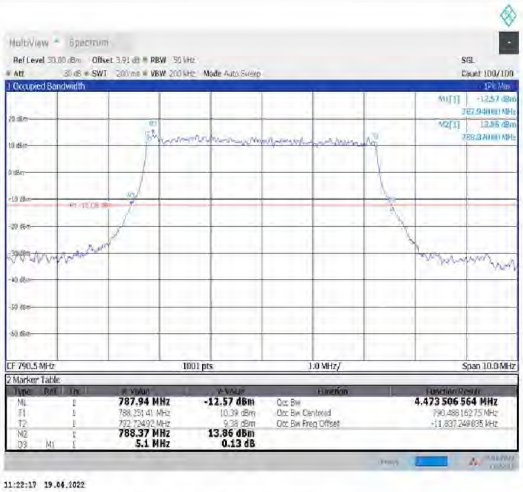
Test Graphs

1-N14--15-5-L-1-DFT-QPSK-Outer_Full-25@0-Ant1-4.486-4.990-≤5-PASS



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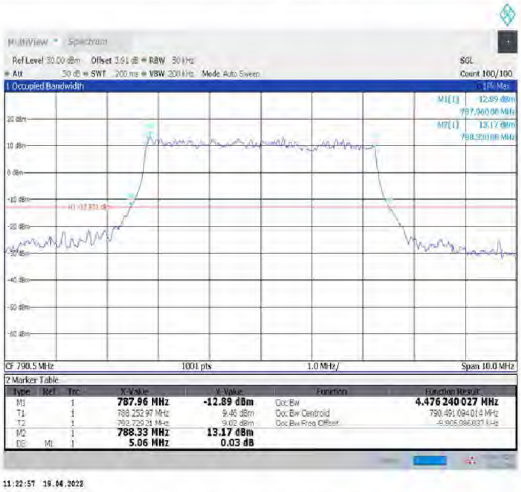

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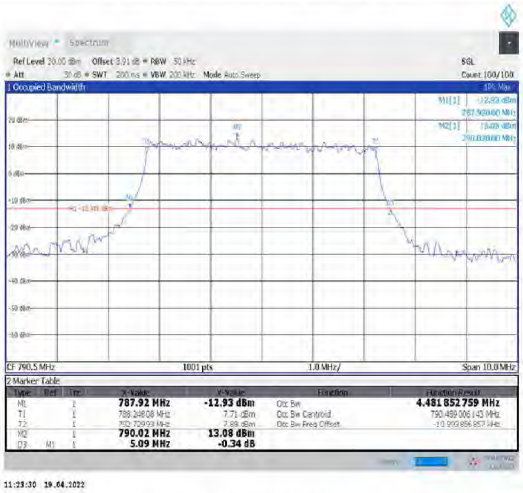

1-N14--15-5-L-4-DFT-64QAM-Outer_Full-25@0-Ant1-4.482-5.090-≤5-PASS

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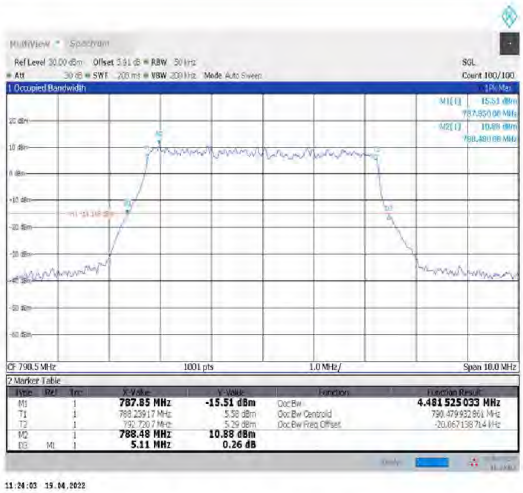

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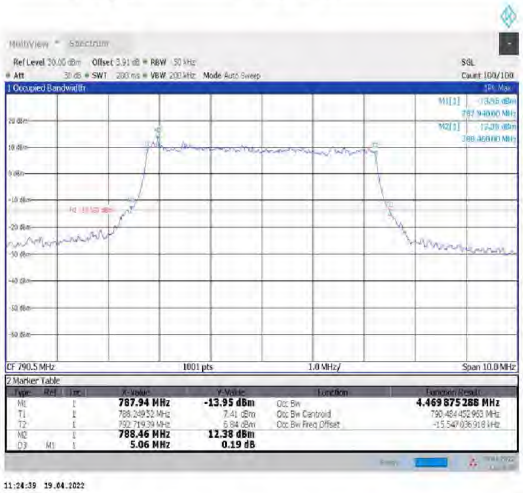

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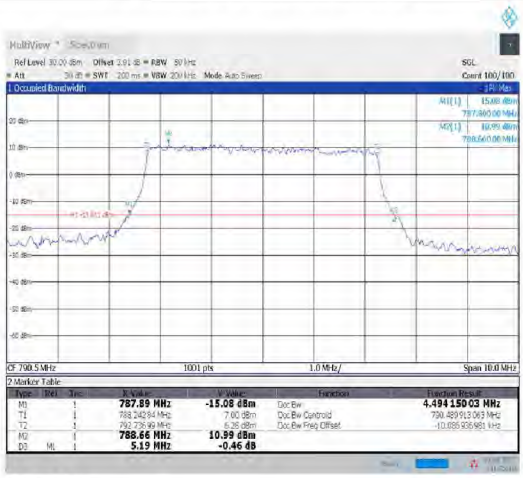

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1-N14--15-5-L-8-CP-64QAM-Outer_Full-25@0-Ant1-4.495-5.240-≤5-PASS

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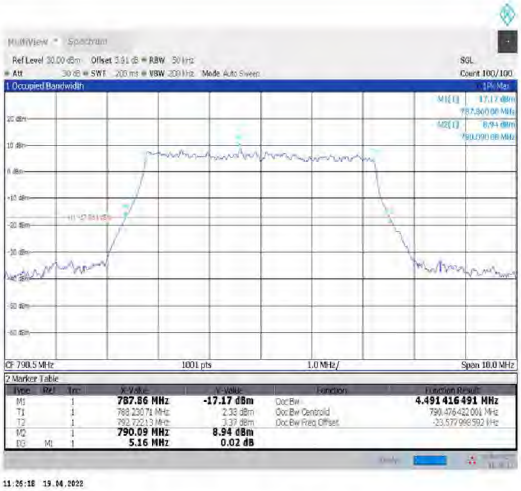

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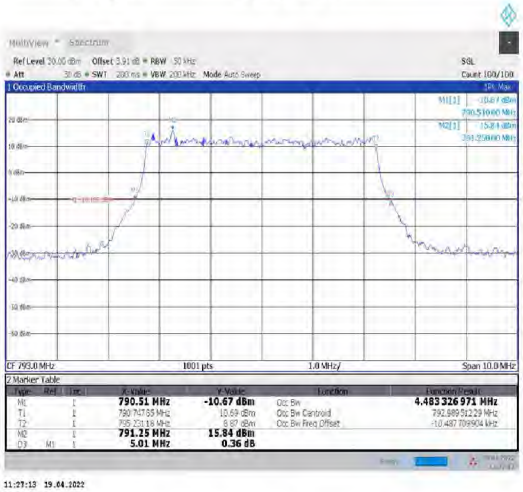

1-N14--15-5-M-1-DFT-QPSK-Outer_Full-25@0-Ant1-4.483-5.010-≤5-PASS

1-N14--15-5-M-2-DFT-PI2BPSK-Outer_Full-25@0-Ant1-4.493-5.160-≤5-PASS

1-N14--15-5-M-3-DFT-16QAM-Outer_Full-25@0-Ant1-4.485-5.080-≤5-PASS

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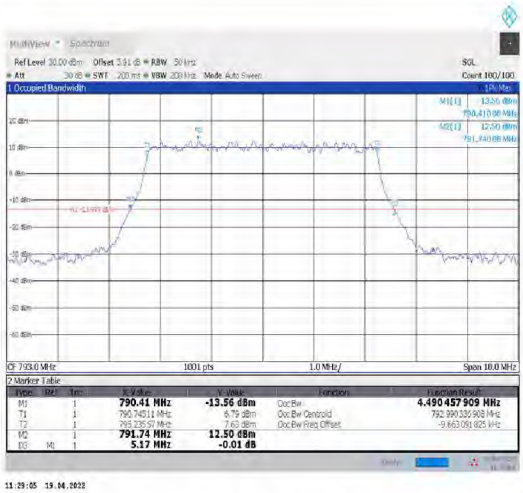
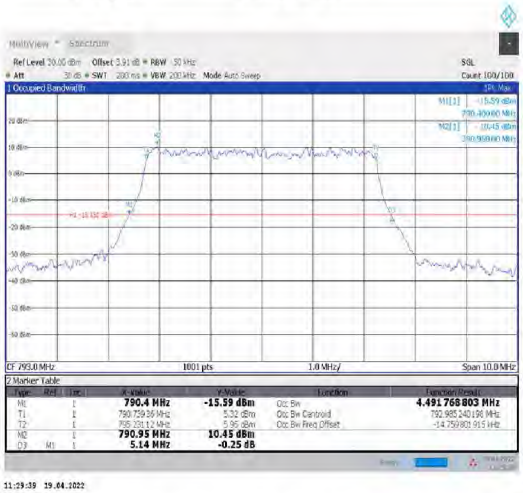


1-N14--15-5-M-4-DFT-64QAM-Outer_Full-25@0-Ant1-4.49-5.170-≤5-PASS



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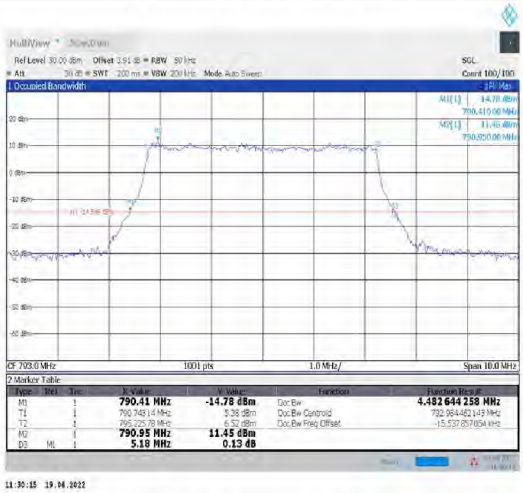

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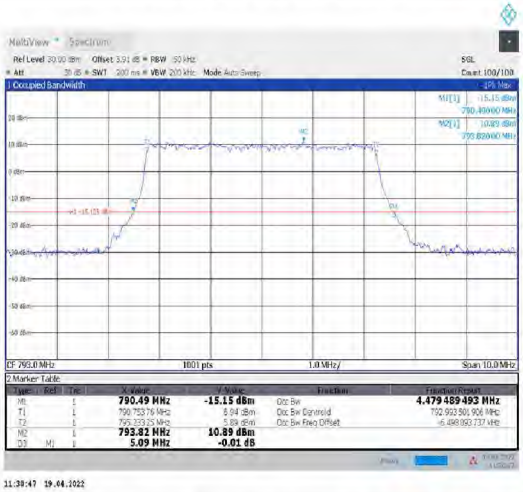

1-N14--15-5-M-7-CP-16QAM-Outer_Full-25@0-Ant1-4.479-5.090-≤5-PASS

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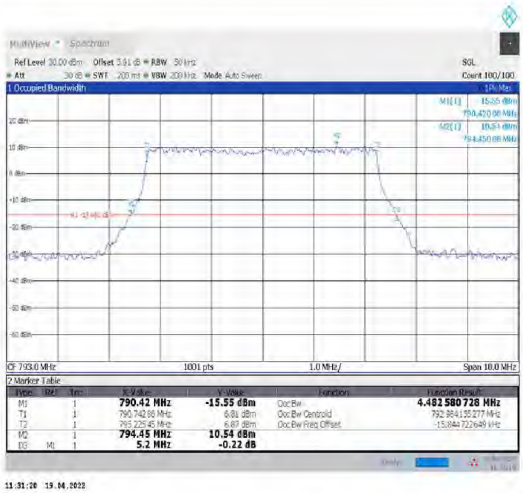

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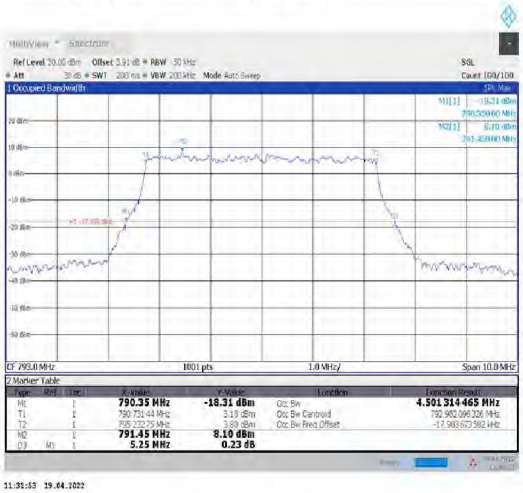

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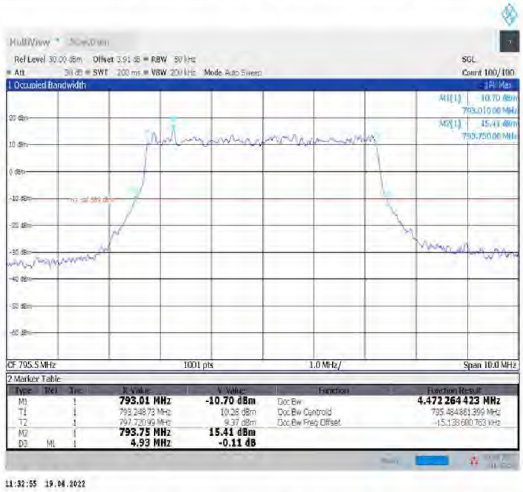

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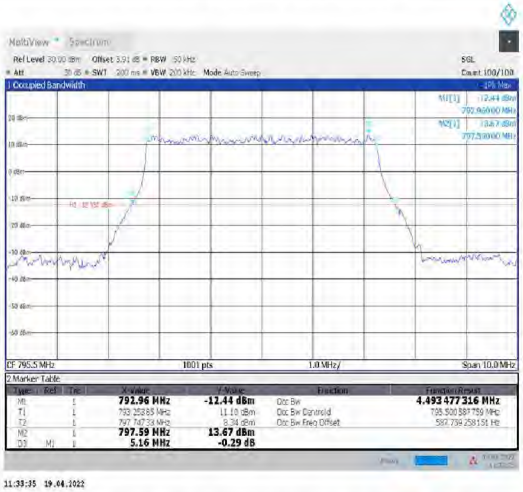

1-N14--15-5-H-2-DFT-PI2BPSK-Outer_Full-25@0-Ant1-4.493-5.160-≤5-PASS

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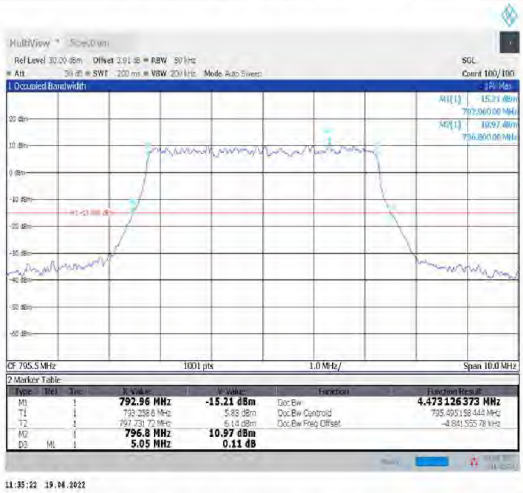
1-N14--15-5-H-3-DFT-16QAM-Outer_Full-25@0-Ant1-4.472-5.050-≤5-PASS

1-N14--15-5-H-4-DFT-64QAM-Outer_Full-25@0-Ant1-4.476-5.110-≤5-PASS



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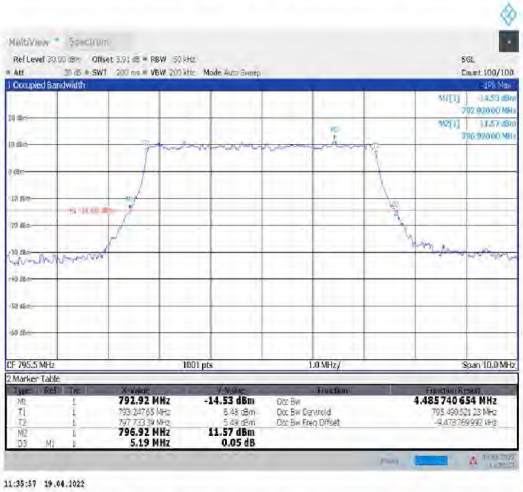

1-N14--15-5-H-6-CP-QPSK-Outer_Full-25@0-Ant1-4.486-5.190-≤5-PASS

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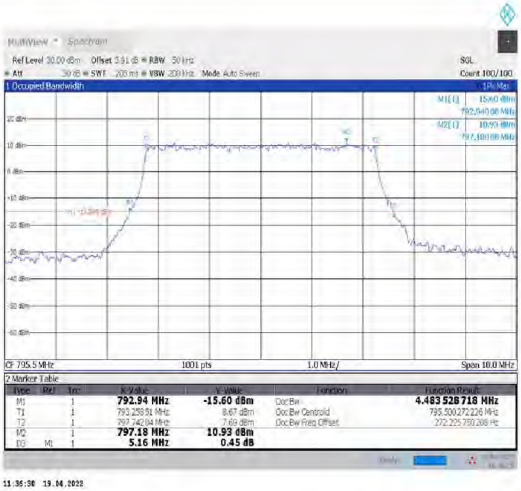

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1-N14--15-5-H-8-CP-64QAM-Outer_Full-25@0-Ant1-4.485-5.160-≤5-PASS

1-N14--15-5-H-9-CP-256QAM-Outer_Full-25@0-Ant1-4.487-5.150-≤5-PASS

1-N14--15-10-L-1-DFT-QPSK-Outer_Full-50@0-Ant1-8.96-9.740-≤10-PASS

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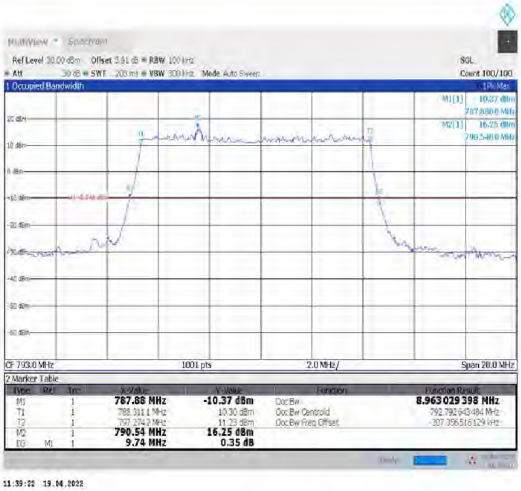

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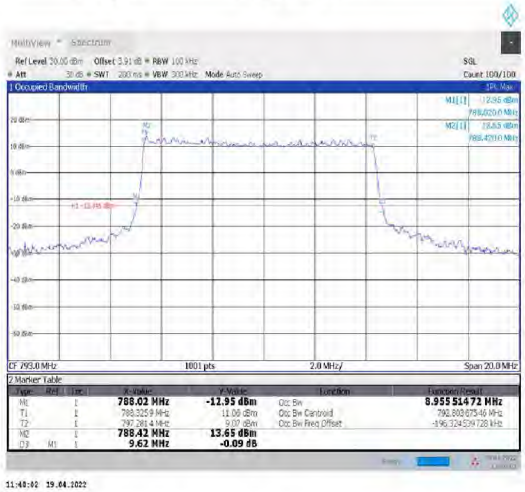

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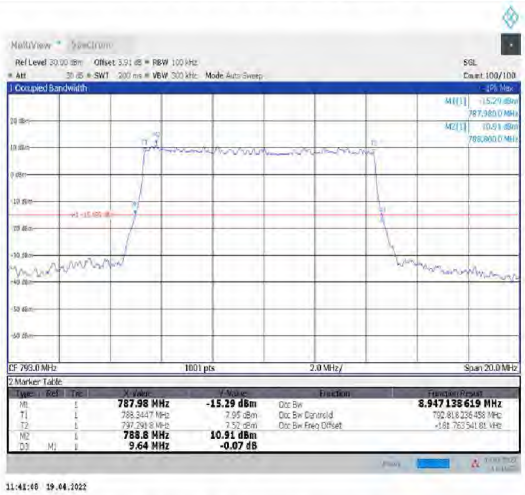

1-N14--15-10-L-5-DFT-256QAM-Outer_Full-50@0-Ant1-8.947-9.640-≤10-PASS

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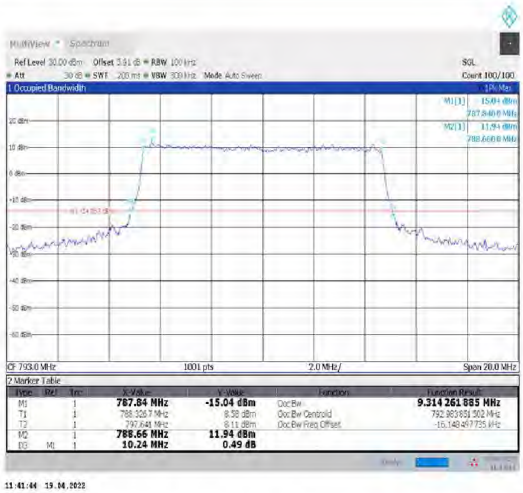

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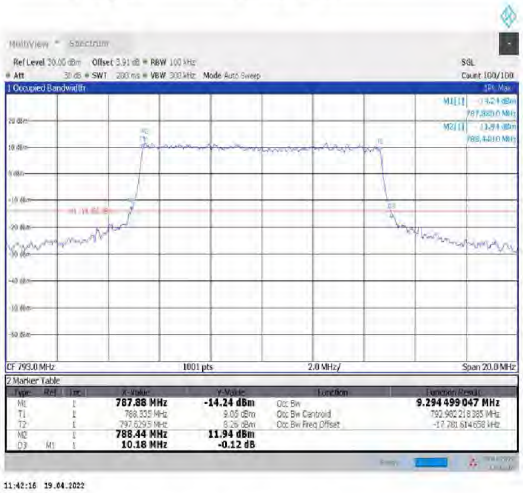

1-N14--15-10-L-7-CP-16QAM-Outer_Full-52@0-Ant1-9.294-10.180-≤10-PASS

1-N14--15-10-L-8-CP-64QAM-Outer_Full-52@0-Ant1-9.319-10.280-≤10-PASS

1-N14--15-10-L-9-CP-256QAM-Outer_Full-52@0-Ant1-9.317-10.180-≤10-PASS

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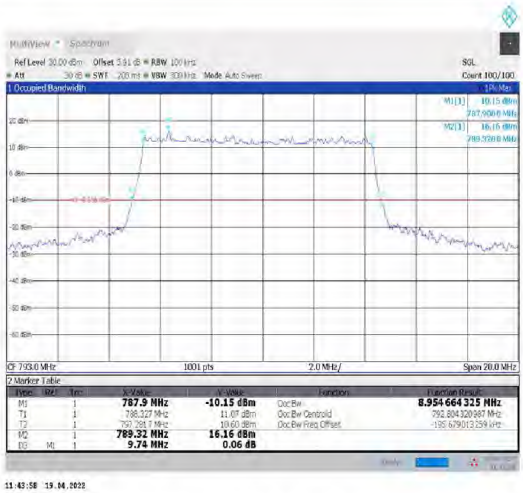

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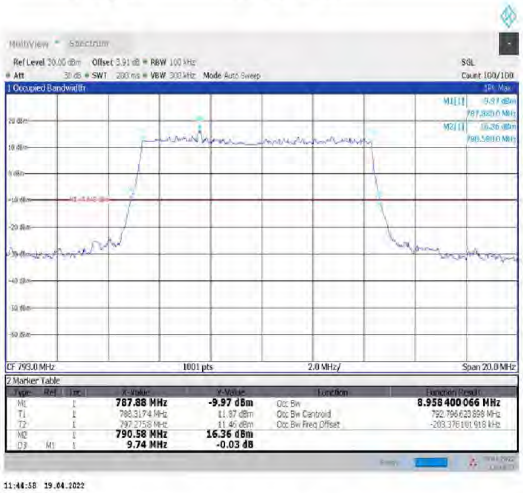

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1-N14--15-10-M-4-DFT-64QAM-Outer_Full-50@0-Ant1-8.947-9.780-≤10-PASS

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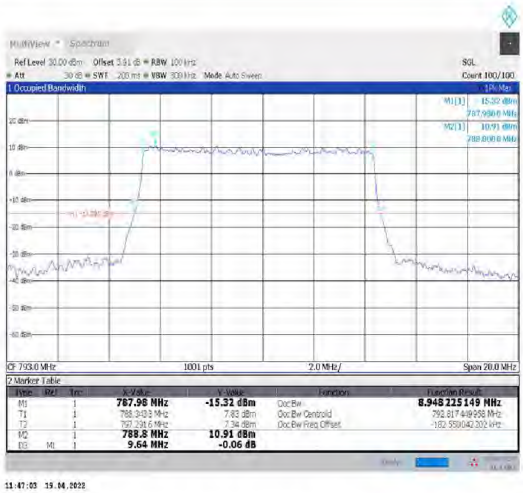

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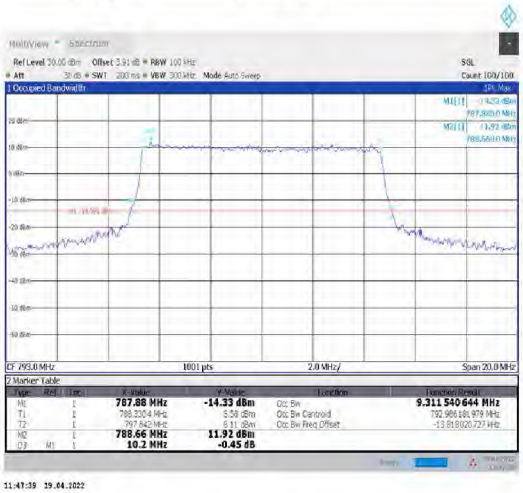

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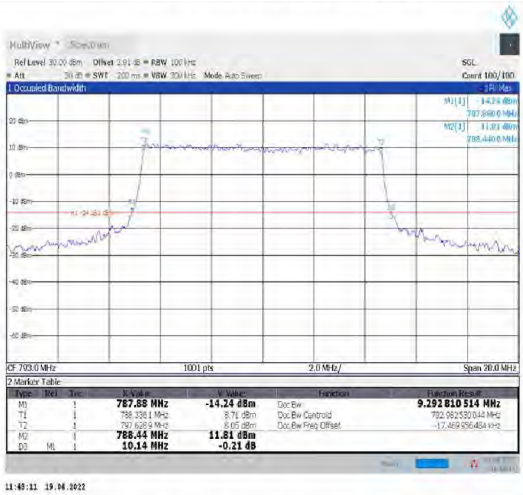

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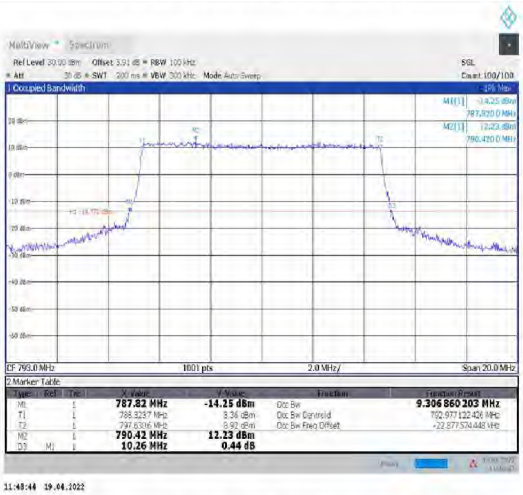

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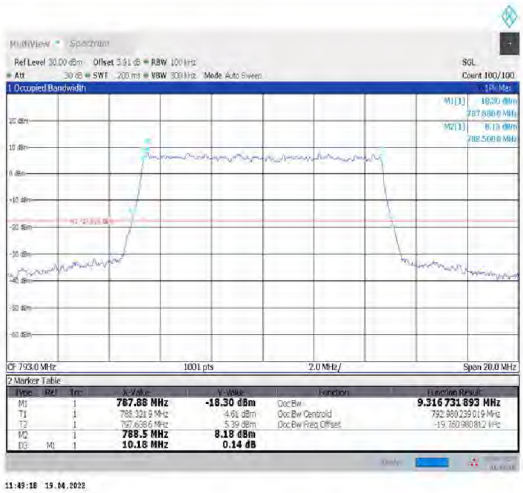

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1-N14--15-10-H-1-DFT-QPSK-Outer_Full-50@0-Ant1-8.954-9.740-≤10-PASS

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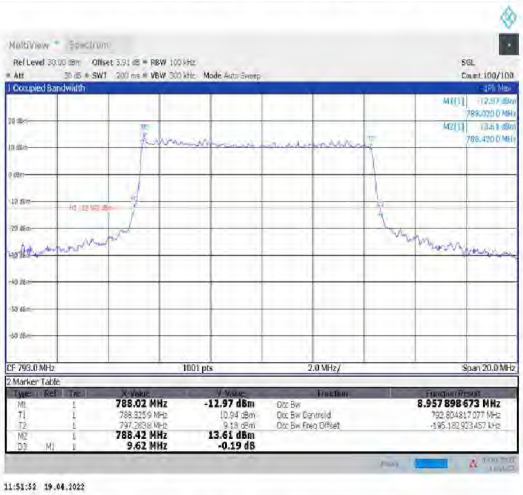

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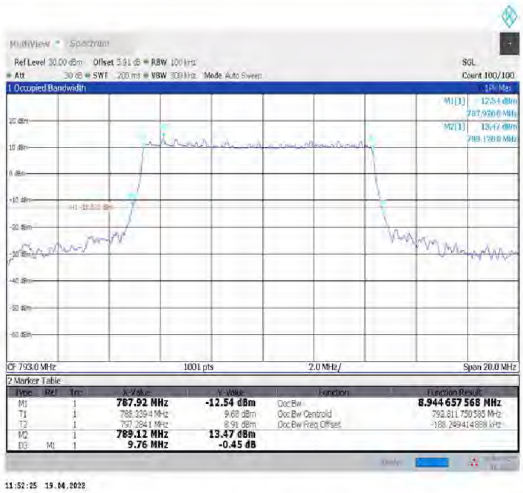

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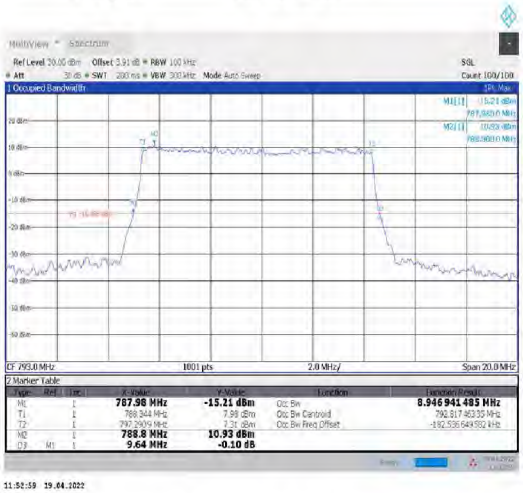

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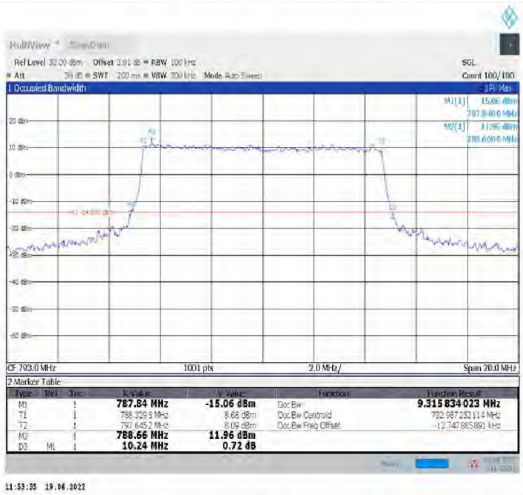

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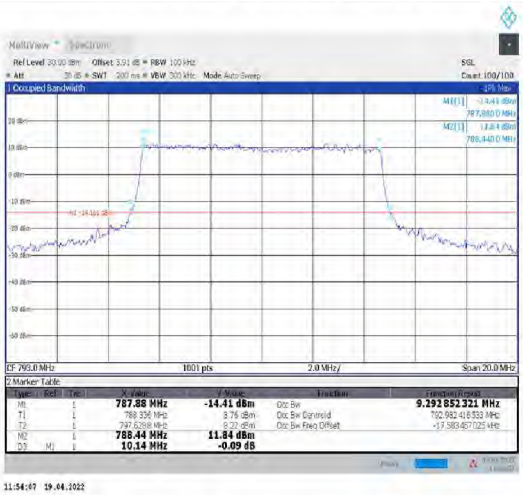

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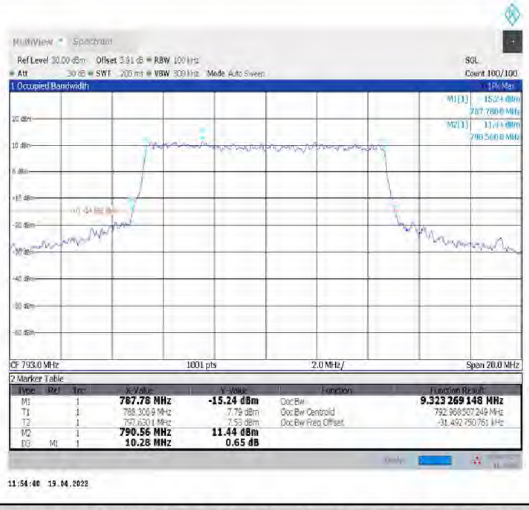	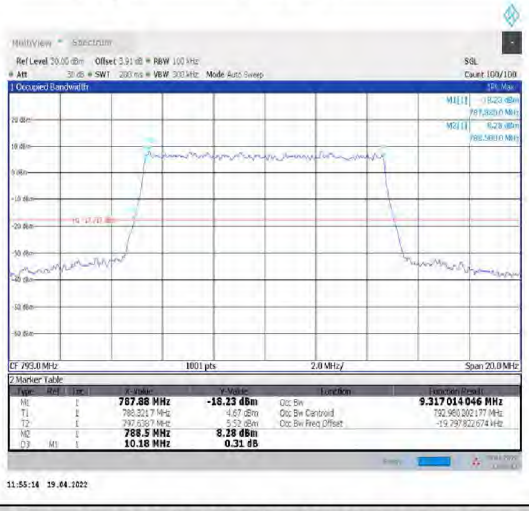
1-N14--15-10-H-8-CP-64QAM-Outer_Full-52@0-Ant1-9.323-10.280-≤10-PASS	1-N14--15-10-H-9-CP-256QAM-Outer_Full-52@0-Ant1-9.317-10.180-≤10-PASS

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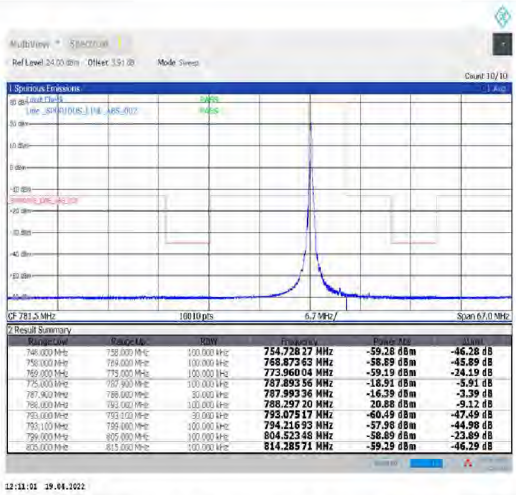
Band Edge for SA

Test Graphs



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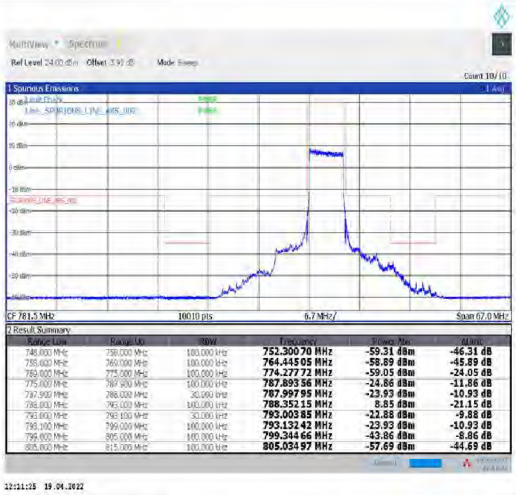

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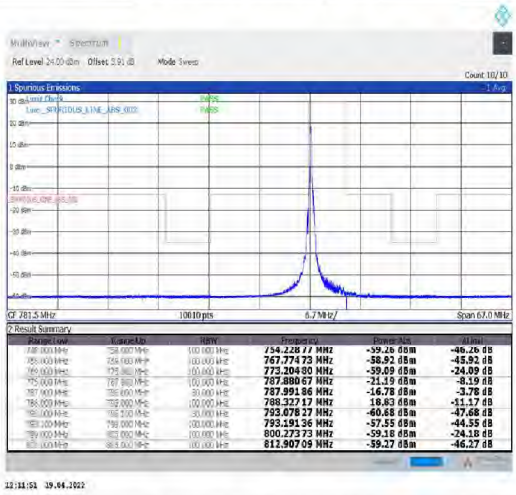

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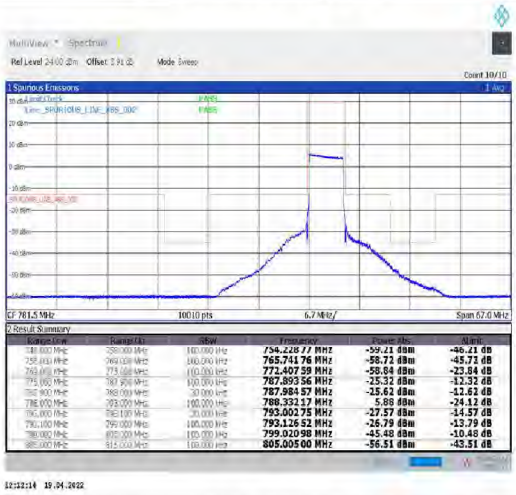

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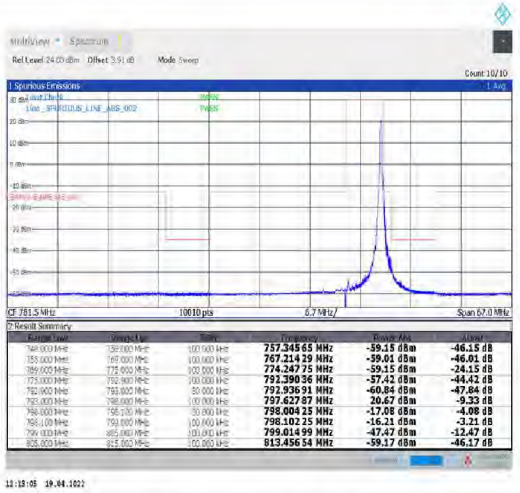

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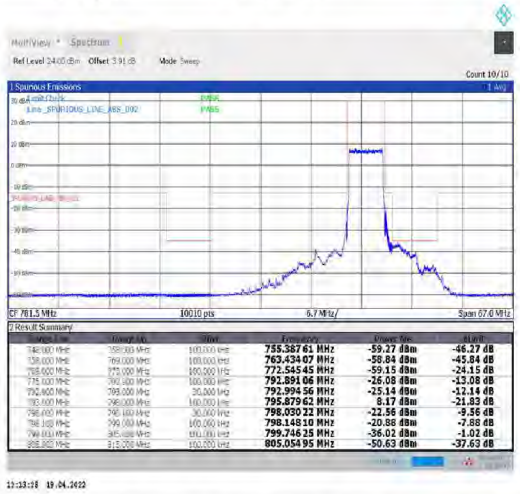

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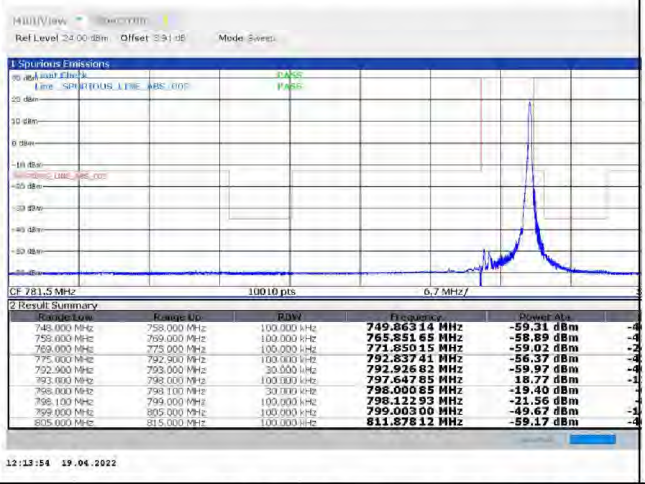

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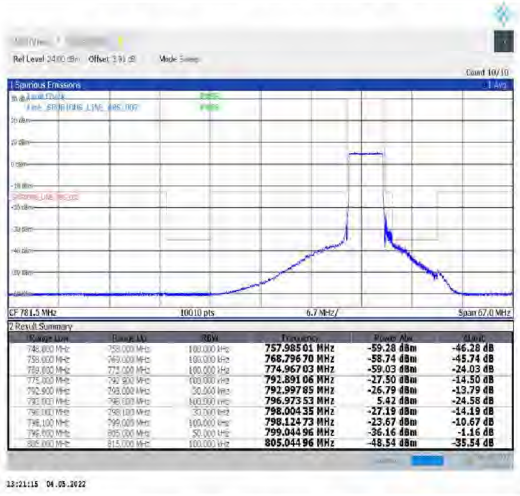

1-N14--15-5-H-6-CP-QPSK-Outer_Full-25@0-Ant1-PASS-see graph

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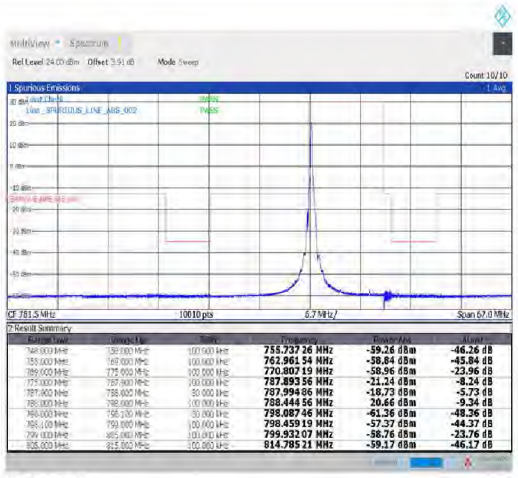

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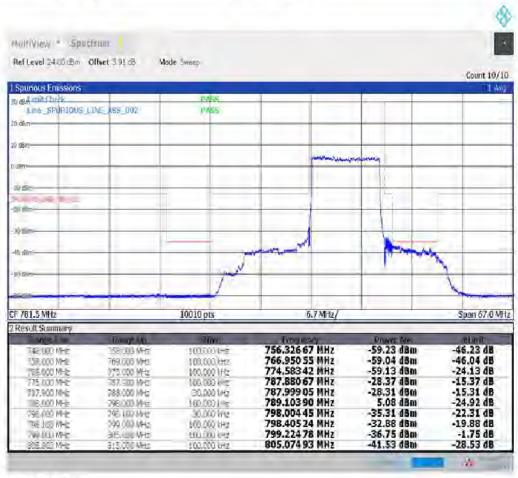

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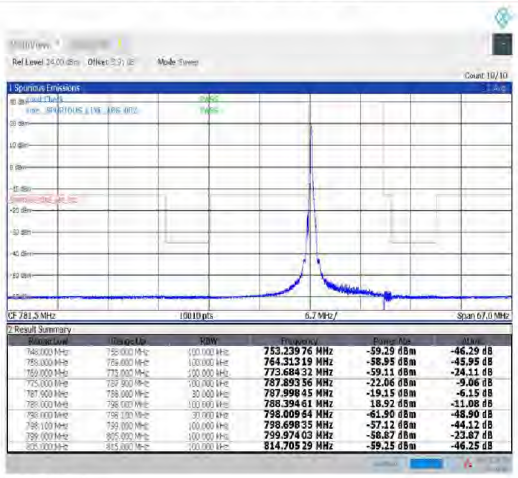

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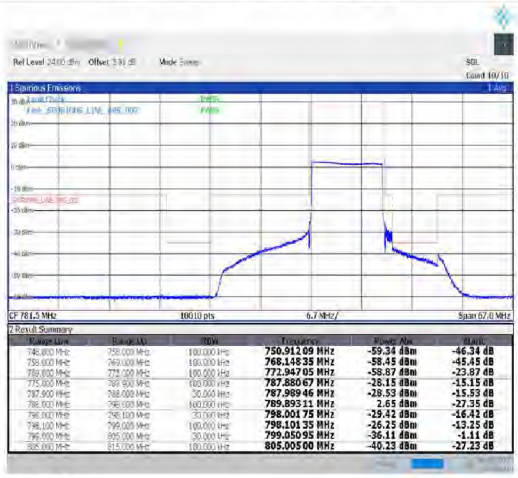

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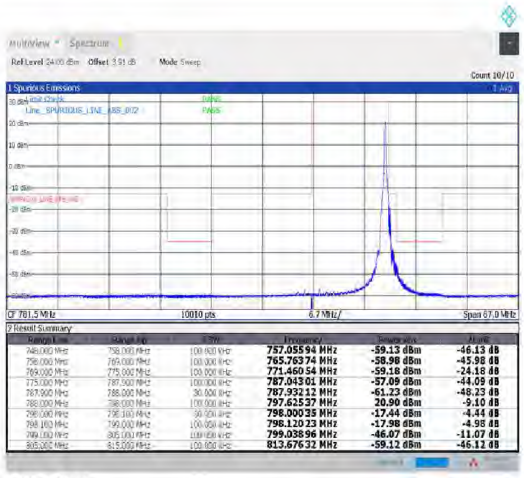

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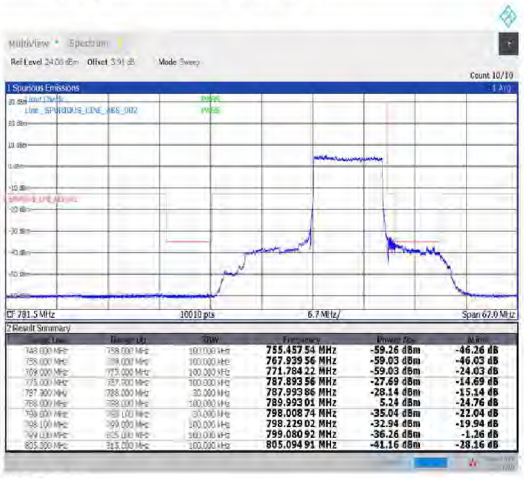

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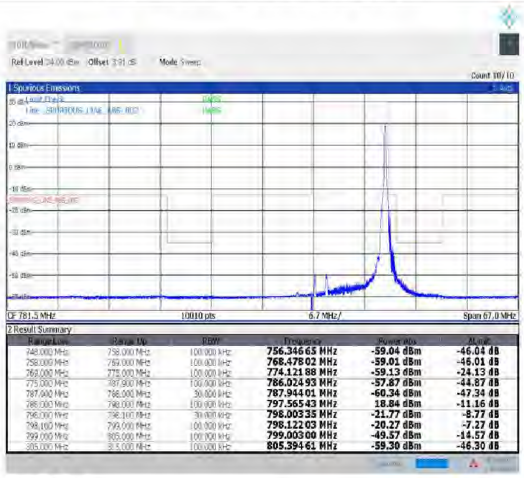

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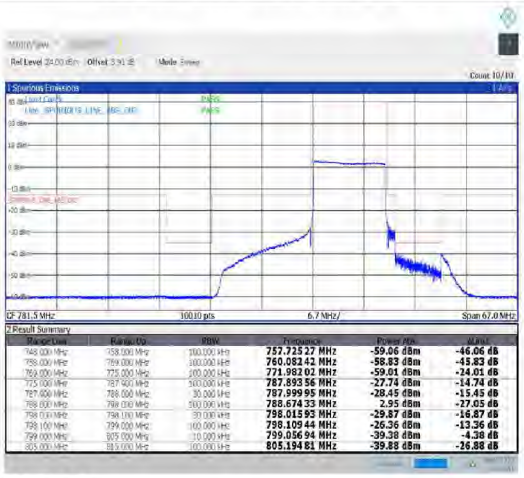

1-N14--15-10-H-6-CP-QPSK-Outer_Full-52@0-Ant1-PASS-see graph

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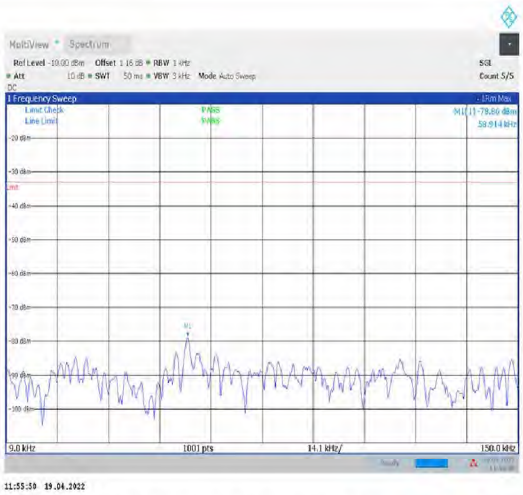
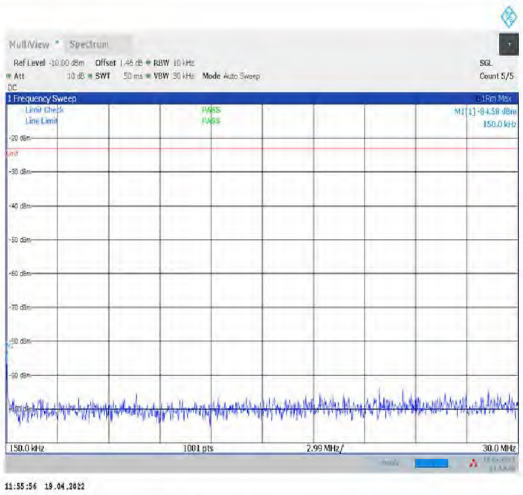
Conducted Spurious Emission for SA

Test Graphs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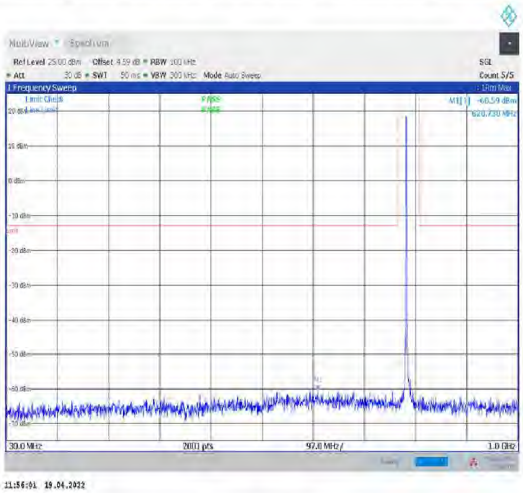	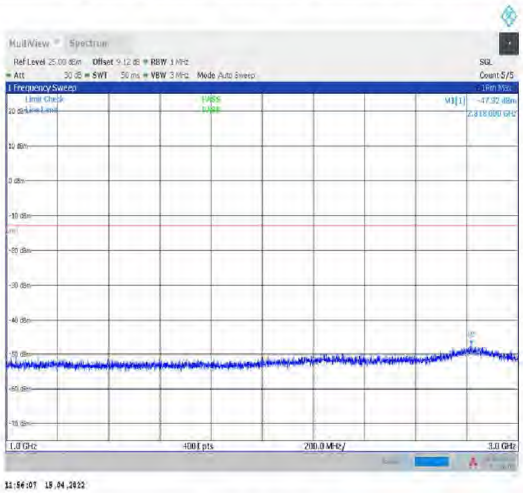
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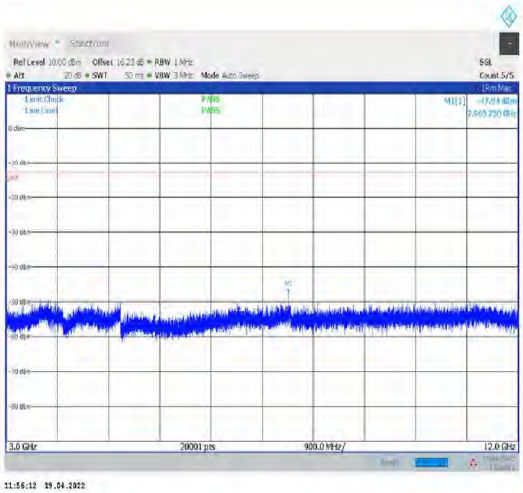	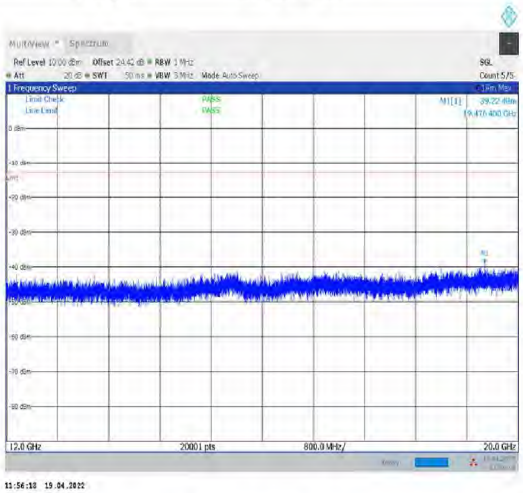
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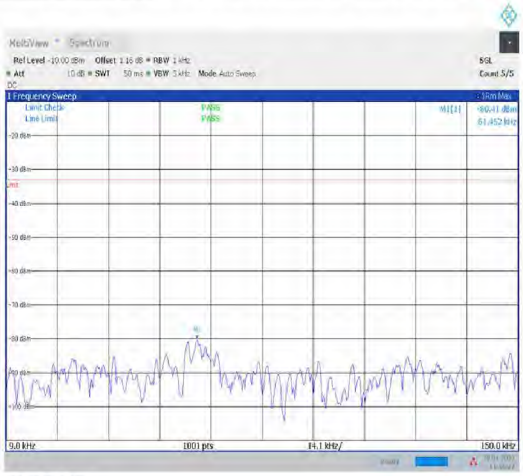	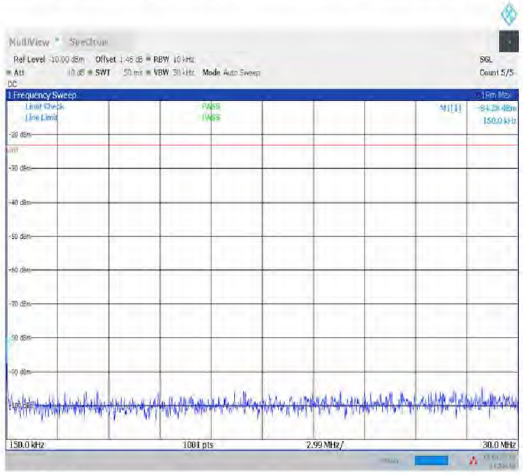
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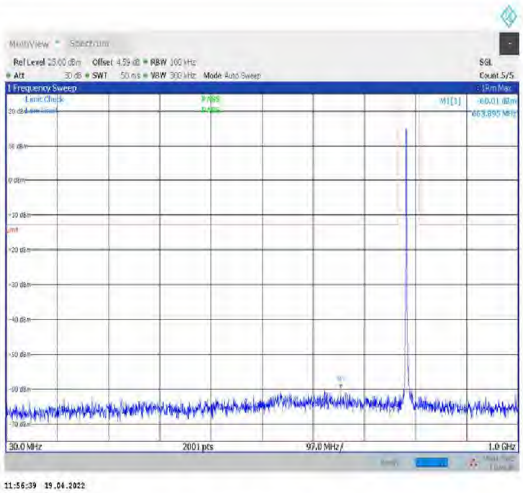	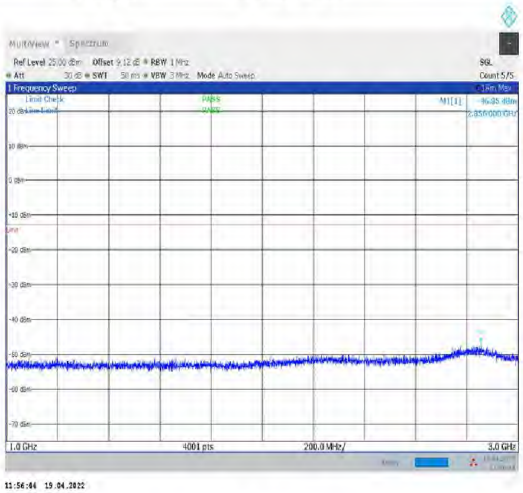
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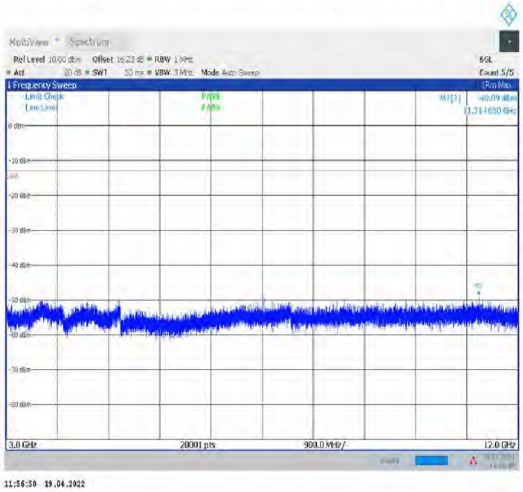	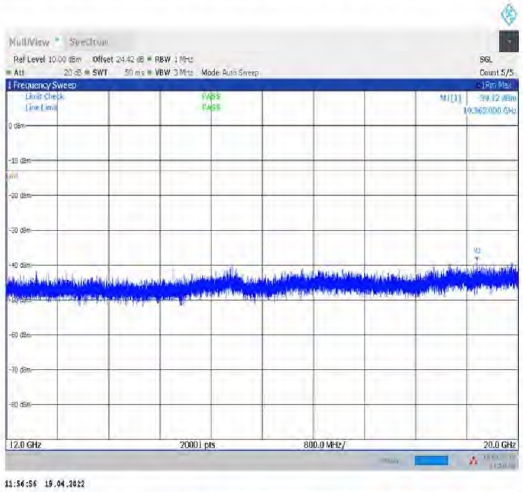
1-N14--15-10-M-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-3000-12000-Ant1--49.09--13-PASS	1-N14--15-10-M-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-12000-20000-Ant1--39.12--13-PASS

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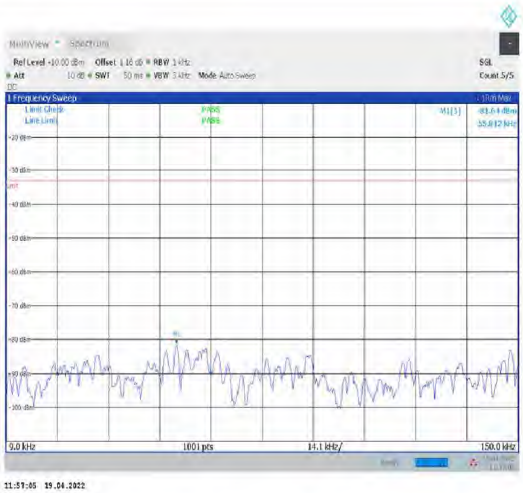

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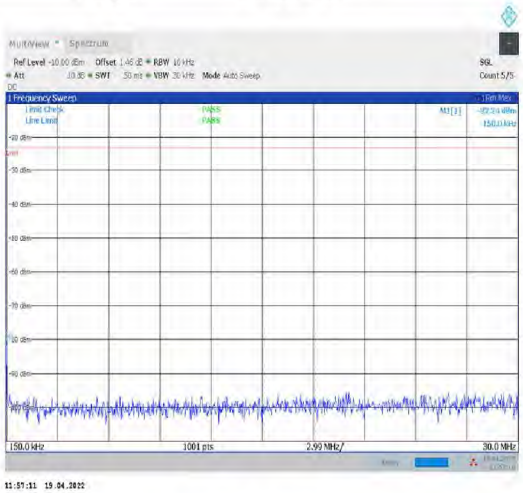

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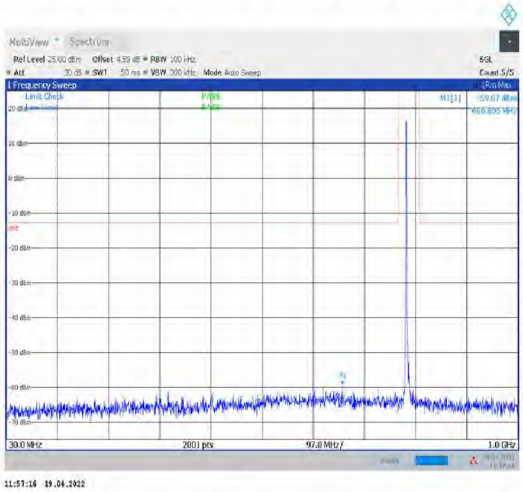

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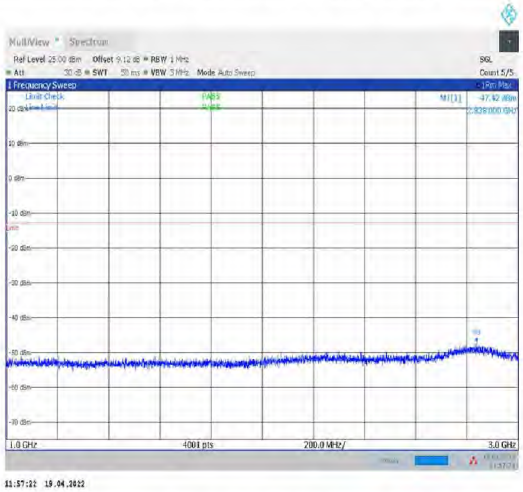

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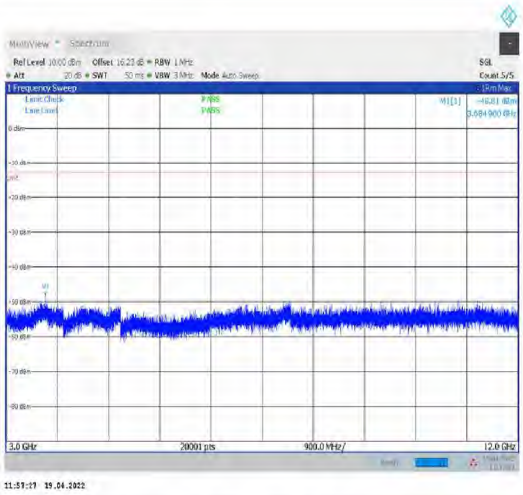	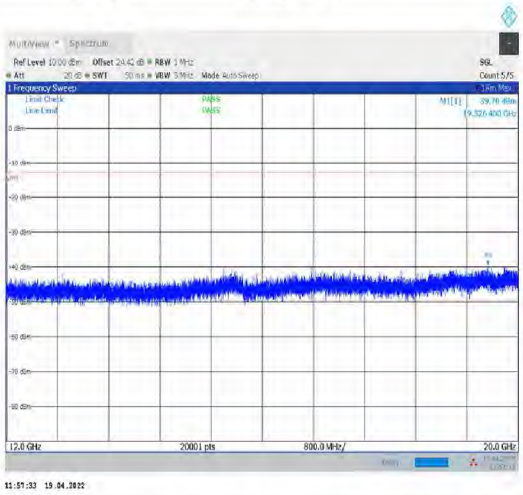
1-N14--15-10-H-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-3000-12000-Ant1--48.81--13-PASS	1-N14--15-10-H-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-12000-20000-Ant1--39.70--13-PASS

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Field Strength of Spurious Radiation

Test Band = SA Band 14 BW 10M_ 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	1577.18	52.77	-118.20	-65.43	-40.00	25.43	263	204	Horizontal
2	2365.77	51.64	-115.23	-63.59	-13.00	50.59	251	3	Horizontal
3	3154.36	50.16	-112.11	-61.95	-13.00	48.95	174	80	Horizontal
4	3942.95	49.61	-110.31	-60.70	-13.00	47.70	186	283	Horizontal
5	4731.54	49.75	-107.87	-58.12	-13.00	45.12	264	0	Horizontal
6	5520.13	50.64	-106.35	-55.71	-13.00	42.71	188	142	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1577.18	53.85	-118.20	-64.35	-40.00	24.35	162	265	Vertical
2	2408	61.04	-115.07	-54.03	-13.00	41.03	241	234	Vertical
3	3154.36	50.79	-112.11	-61.32	-13.00	48.32	176	139	Vertical
4	3942.95	50.60	-110.31	-59.71	-13.00	46.71	284	359	Vertical
5	4731.54	51.05	-107.87	-56.82	-13.00	43.82	188	123	Vertical
6	5520.13	50.19	-106.35	-56.16	-13.00	43.16	264	77	Vertical

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Test Band = SA Band 14 BW 5M_ 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	1576.68	53.23	-118.20	-64.97	-40.00	24.97	142	290	Horizontal
2	2365.02	52.15	-115.23	-63.08	-13.00	50.08	263	120	Horizontal
3	3153.36	52.04	-112.12	-60.08	-13.00	47.08	241	89	Horizontal
4	3941.7	49.66	-110.32	-60.66	-13.00	47.66	117	360	Horizontal
5	4730.04	51.36	-107.88	-56.52	-13.00	43.52	265	151	Horizontal
6	5518.38	50.70	-106.36	-55.66	-13.00	42.66	244	306	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1576.68	53.08	-118.20	-65.12	-40.00	25.12	163	221	Vertical
2	2365.02	53.05	-115.23	-62.18	-13.00	49.18	251	96	Vertical
3	3153.36	51.73	-112.12	-60.39	-13.00	47.39	147	252	Vertical
4	3941.7	50.96	-110.32	-59.36	-13.00	46.36	265	214	Vertical
5	4730.04	49.78	-107.88	-58.10	-13.00	45.10	255	19	Vertical
6	5518.38	50.00	-106.36	-56.36	-13.00	43.36	144	357	Vertical

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Test Band = SA Band 14 BW 5M_ 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	1581.68	54.40	-118.19	-63.79	-40.00	23.79	263	77	Horizontal
2	2372.52	51.77	-115.22	-63.45	-13.00	50.45	241	360	Horizontal
3	3163.36	51.20	-112.09	-60.89	-13.00	47.89	175	313	Horizontal
4	3954.2	50.03	-110.28	-60.25	-13.00	47.25	265	125	Horizontal
5	4745.04	51.41	-107.85	-56.44	-13.00	43.44	255	62	Horizontal
6	5535.88	49.88	-106.29	-56.41	-13.00	43.41	147	15	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1581.68	53.48	-118.19	-64.71	-40.00	24.71	142	357	Vertical
2	2372.52	52.15	-115.22	-63.07	-13.00	50.07	263	155	Vertical
3	3163.36	51.28	-112.09	-60.81	-13.00	47.81	241	31	Vertical
4	3931.5556	57.18	-110.34	-53.16	-13.00	40.16	265	76	Vertical
5	4745.04	49.56	-107.85	-58.29	-13.00	45.29	244	16	Vertical
6	5535.88	50.33	-106.29	-55.96	-13.00	42.96	177	265	Vertical

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Test Band = SA Band 14 BW 5M_ 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	1586.68	52.00	-118.19	-66.19	-40.00	26.19	142	313	Horizontal
2	2380.02	52.05	-115.20	-63.15	-13.00	50.15	263	108	Horizontal
3	3173.36	50.57	-112.07	-61.50	-13.00	48.50	284	14	Horizontal
4	3966.7	50.53	-110.25	-59.72	-13.00	46.72	176	313	Horizontal
5	4760.04	49.81	-107.82	-58.01	-13.00	45.01	294	172	Horizontal
6	5553.38	49.89	-106.21	-56.32	-13.00	43.32	144	108	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1586.68	52.06	-118.19	-66.13	-40.00	26.13	142	110	Vertical
2	2380.02	51.18	-115.20	-64.02	-13.00	51.02	263	9	Vertical
3	3173.36	50.47	-112.07	-61.60	-13.00	48.60	251	94	Vertical
4	3966.7	49.27	-110.25	-60.98	-13.00	47.98	176	0	Vertical
5	4760.04	49.24	-107.82	-58.58	-13.00	45.58	284	170	Vertical
6	5553.38	50.08	-106.21	-56.13	-13.00	43.13	177	315	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
N14	15	10	DFT-PI2BPSK	M	Outer_Full	VH	NT	2.500000	0.003153	PASS
N14	15	10	DFT-PI2BPSK	M	Outer_Full	VN	NT	2.500000	0.003153	PASS
N14	15	10	DFT-PI2BPSK	M	Outer_Full	VL	NT	2.600000	0.003279	PASS
N14	15	10	CP-QPSK	M	Outer_Full	VH	NT	5.200000	0.006557	PASS
N14	15	10	CP-QPSK	M	Outer_Full	VN	NT	3.000000	0.003783	PASS
N14	15	10	CP-QPSK	M	Outer_Full	VL	NT	10.400000	0.013115	PASS

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Frequency Error VS. Temperature

Voltage										
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation(Hz)	Deviation (ppm)	Verdict
N14	15	10	DFT-PI2BPSK	M	Outer_Full	NV	-30	1.600000	0.002018	PASS
N14	15	10	DFT-PI2BPSK	M	Outer_Full	NV	-20	3.600000	0.004540	PASS
N14	15	10	DFT-PI2BPSK	M	Outer_Full	NV	-10	3.400000	0.004288	PASS
N14	15	10	DFT-PI2BPSK	M	Outer_Full	NV	0	1.800000	0.002270	PASS
N14	15	10	DFT-PI2BPSK	M	Outer_Full	NV	10	3.500000	0.004414	PASS
N14	15	10	DFT-PI2BPSK	M	Outer_Full	NV	20	2.200000	0.002774	PASS
N14	15	10	DFT-PI2BPSK	M	Outer_Full	NV	30	4.400000	0.005549	PASS
N14	15	10	DFT-PI2BPSK	M	Outer_Full	NV	40	4.200000	0.005296	PASS
N14	15	10	DFT-PI2BPSK	M	Outer_Full	NV	50	5.300000	0.006683	PASS
N14	15	10	CP-QPSK	M	Outer_Full	NV	-30	2.900000	0.003657	PASS
N14	15	10	CP-QPSK	M	Outer_Full	NV	-20	5.100000	0.006431	PASS
N14	15	10	CP-QPSK	M	Outer_Full	NV	-10	5.800000	0.007314	PASS
N14	15	10	CP-QPSK	M	Outer_Full	NV	0	6.900000	0.008701	PASS
N14	15	10	CP-QPSK	M	Outer_Full	NV	10	4.500000	0.005675	PASS
N14	15	10	CP-QPSK	M	Outer_Full	NV	20	2.900000	0.003657	PASS
N14	15	10	CP-QPSK	M	Outer_Full	NV	30	5.000000	0.006305	PASS
N14	15	10	CP-QPSK	M	Outer_Full	NV	40	5.100000	0.006431	PASS
N14	15	10	CP-QPSK	M	Outer_Full	NV	50	4.000000	0.005044	PASS

The End

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