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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 h	Modulation	Cha nnel	RB Config	DutyCy cle	Facto r	Resul t	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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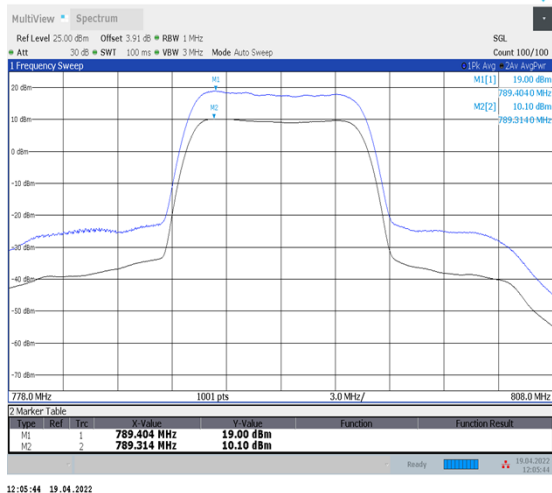
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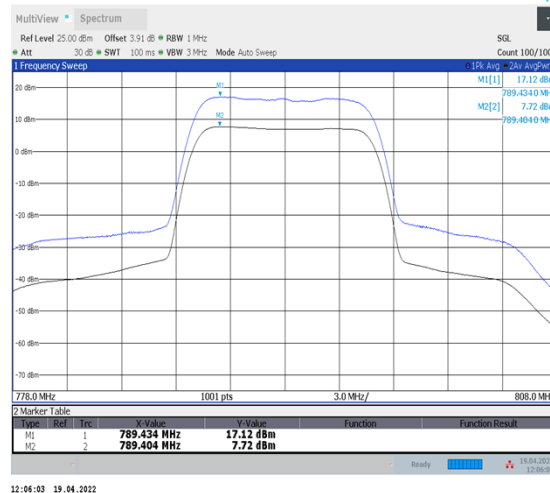
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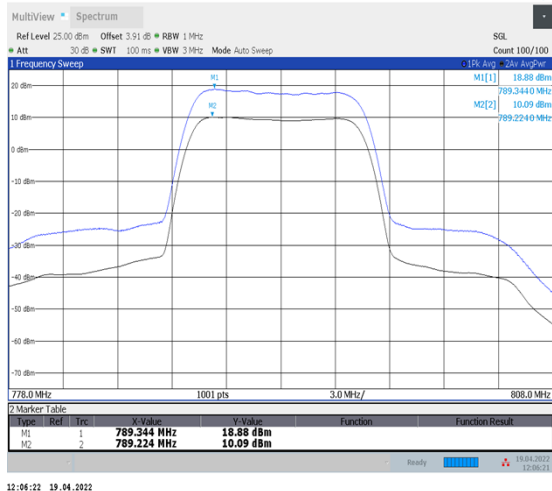
Test Graphs



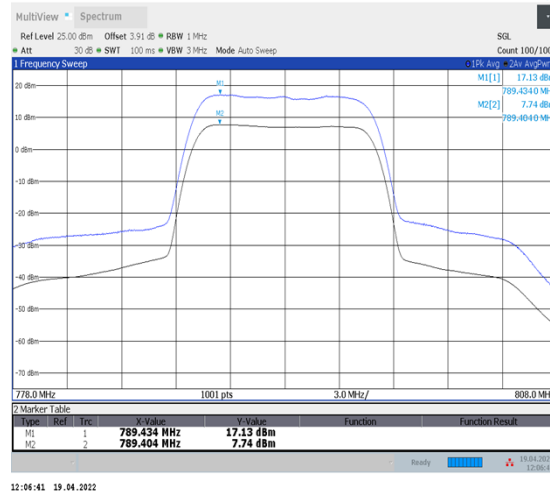
1-N14--15-10-L-1-DFT-256QAM-Outer_Full-50@0-
Ant1-8.90-100%-0.00-8.90-PASS-≤13



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



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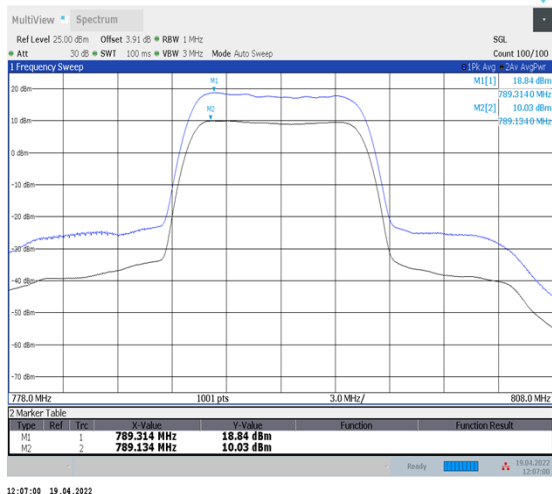
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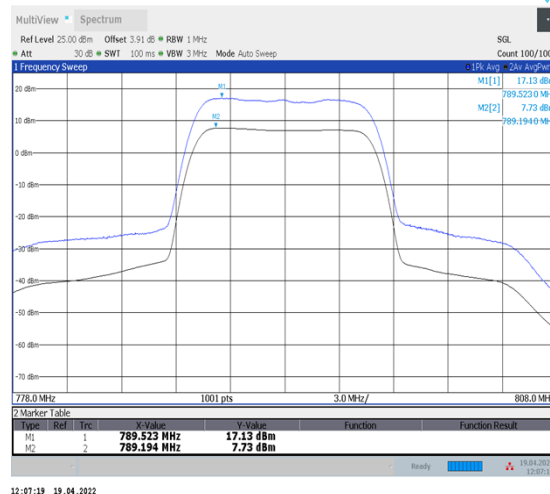
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1-N14--15-10-H-1-DFT-256QAM-Outer_Full-50@0-
Ant1-8.81-100%-0.00-8.81-PASS-≤13



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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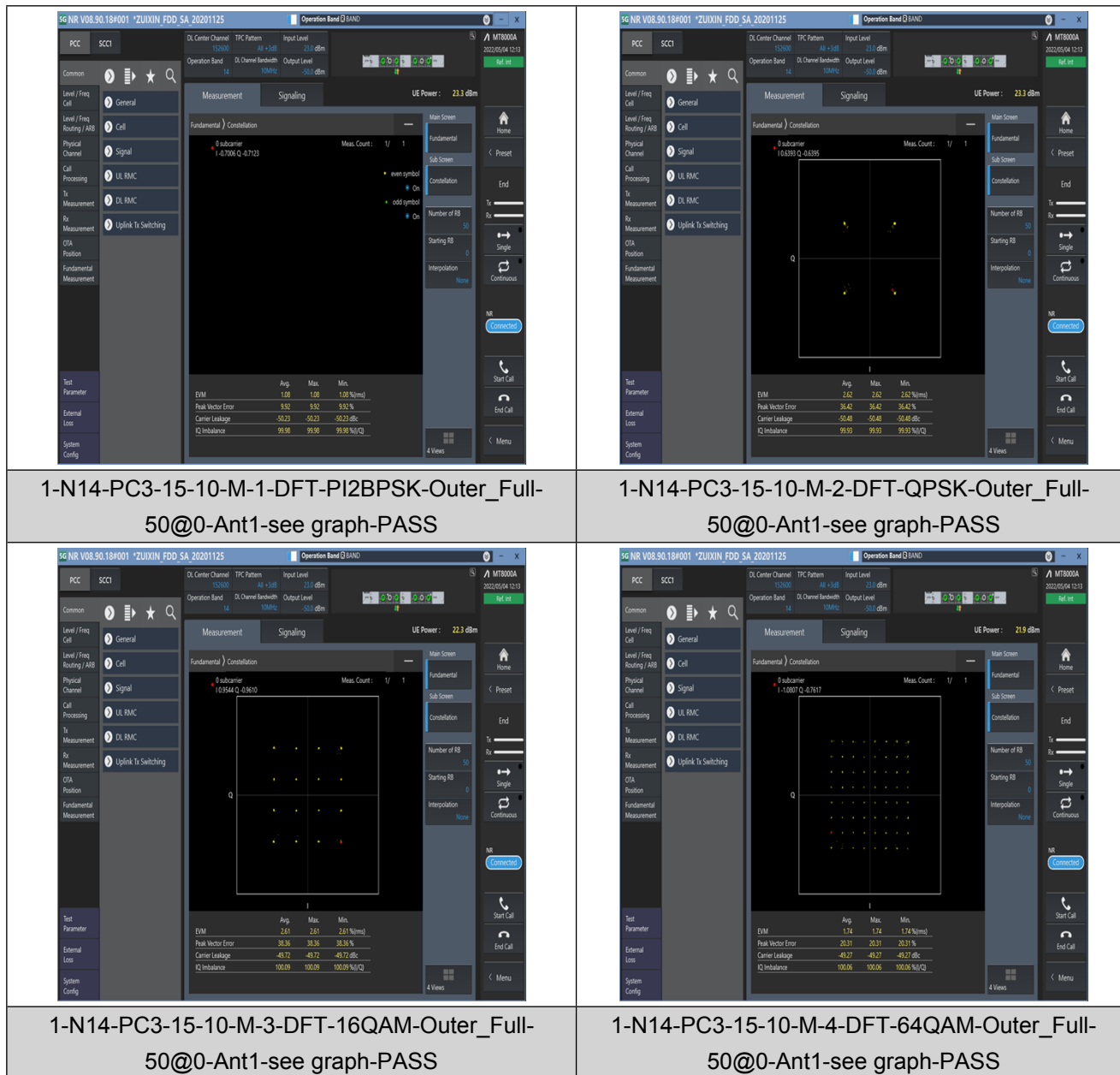
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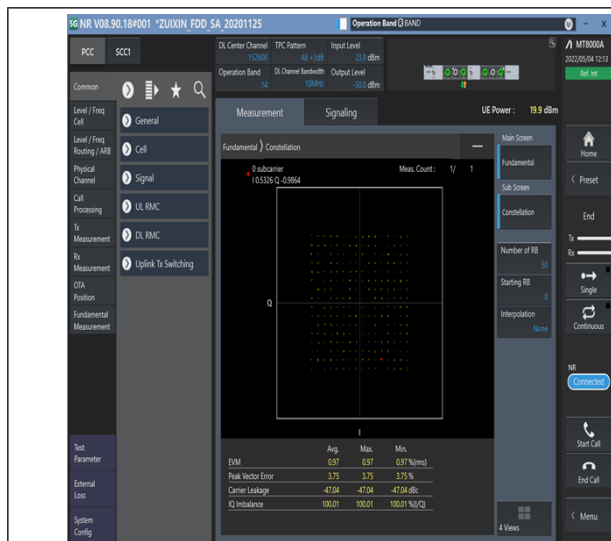
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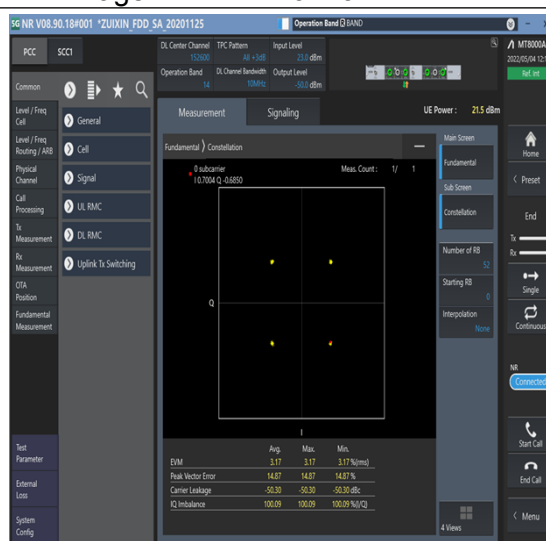
Report No.: SEWA2204000008RG02
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Test Graphs

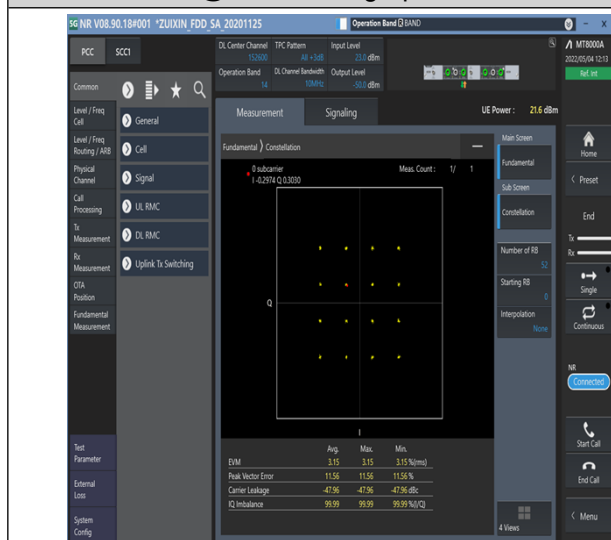




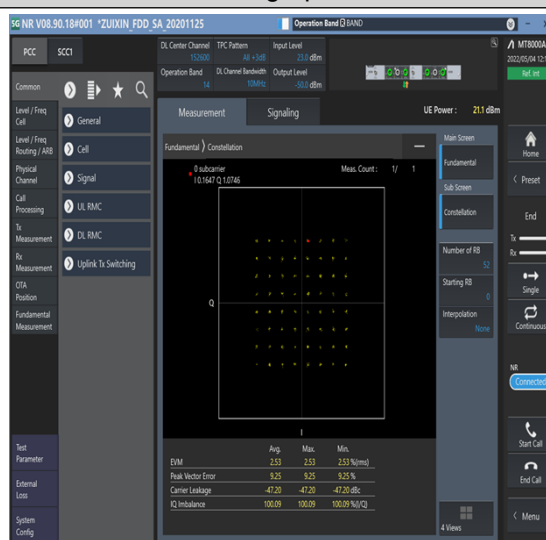
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1-N14-PC3-15-10-M-6-CP-QPSK-Outer_Full-52@0-Ant1-see graph-PASS



1-N14-PC3-15-10-M-7-CP-16QAM-Outer_Full-52@0-Ant1-see graph-PASS

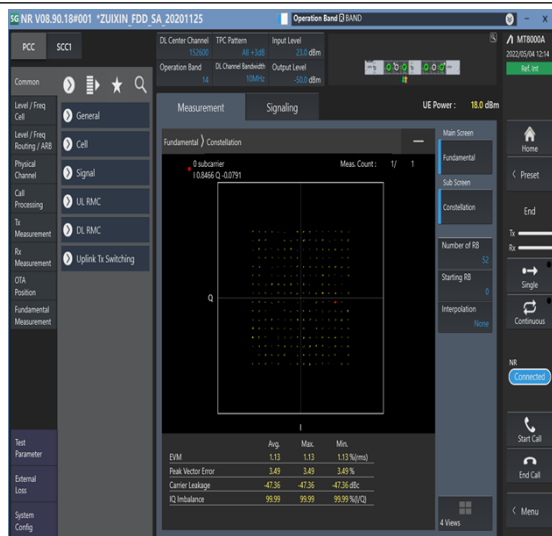


1-N14-PC3-15-10-M-8-CP-64QAM-Outer_Full-52@0-Ant1-see graph-PASS

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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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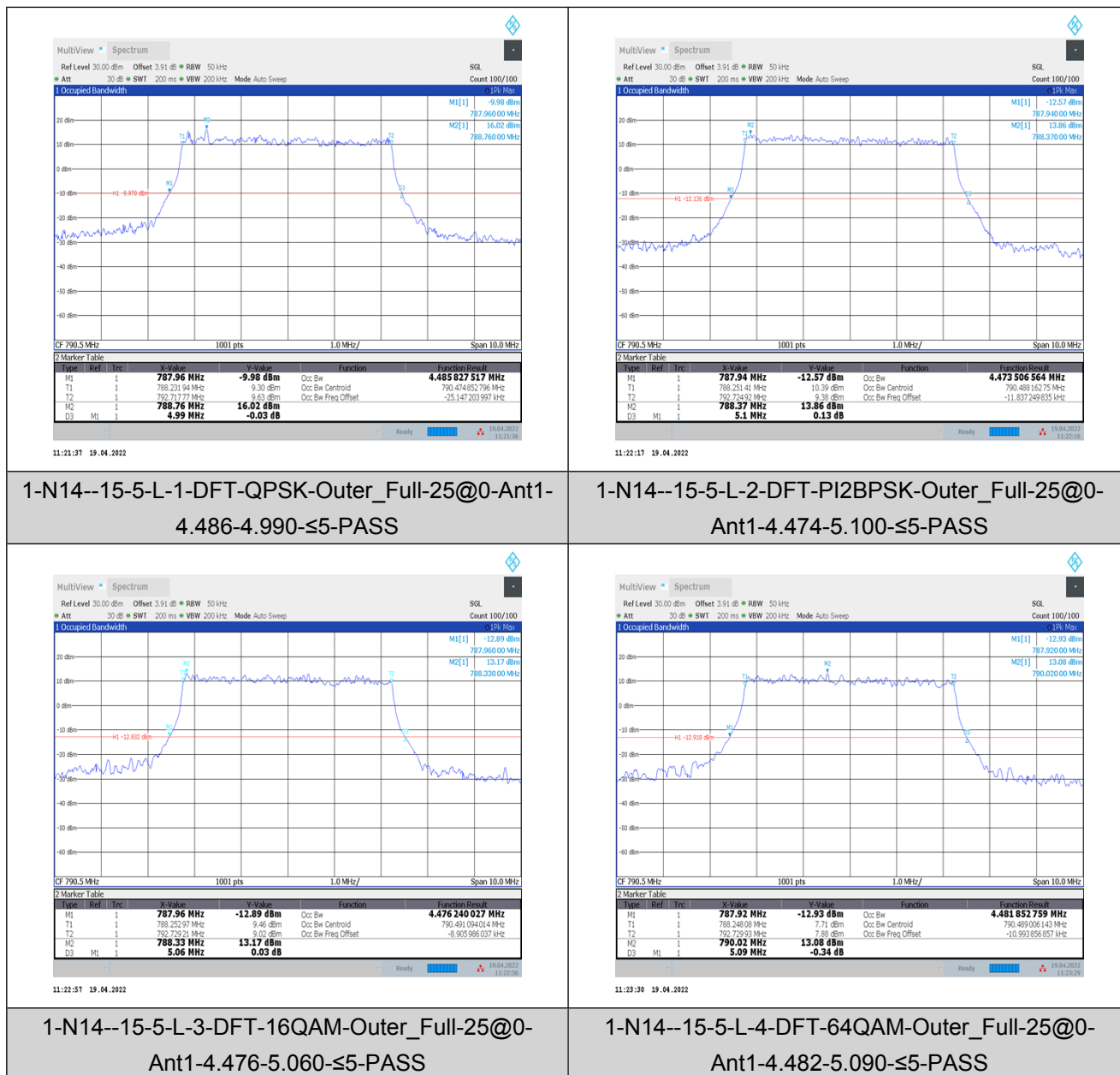
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Test Graphs



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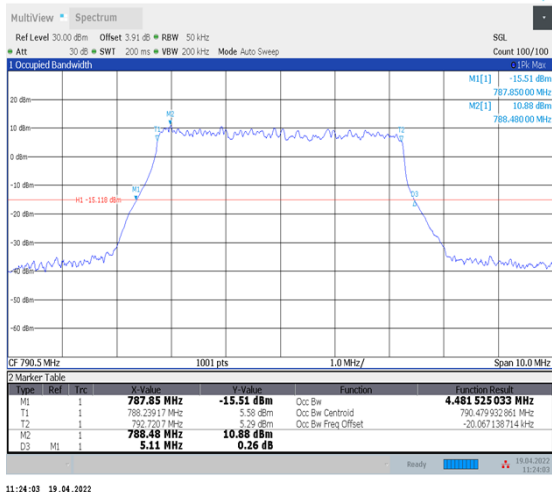
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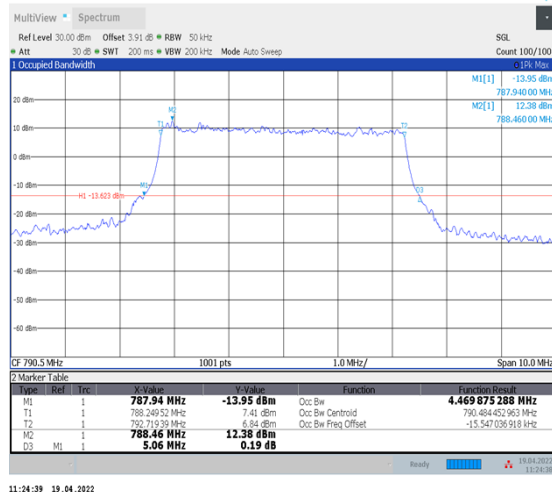
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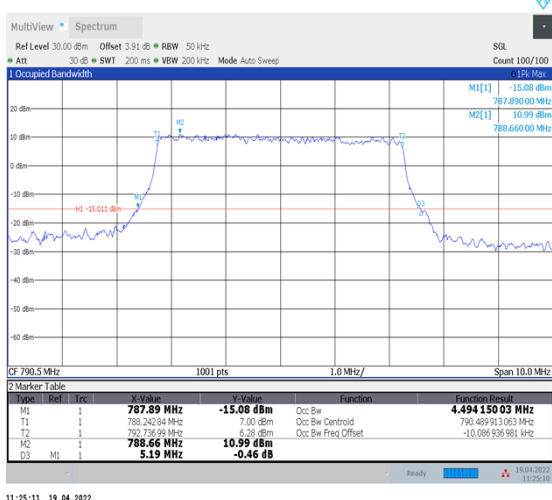
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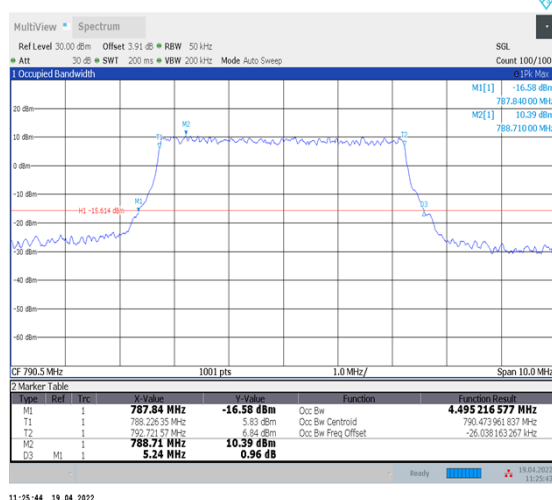
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1-N14--15-5-L-6-CP-QPSK-Outer_Full-25@0-Ant1-4.47-5.060-≤5-PASS



11:25:11 19.04.2022



11:25:44 19.04.2022

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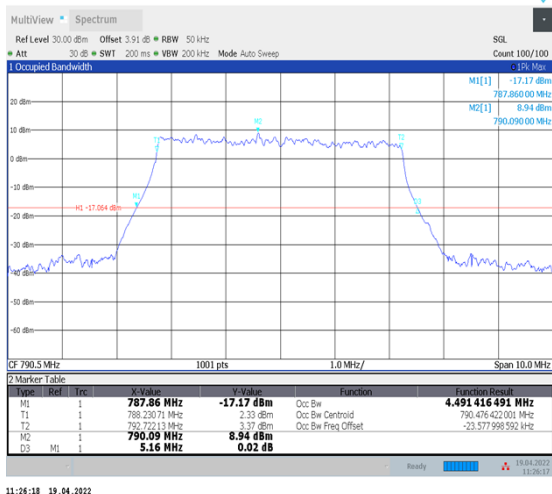
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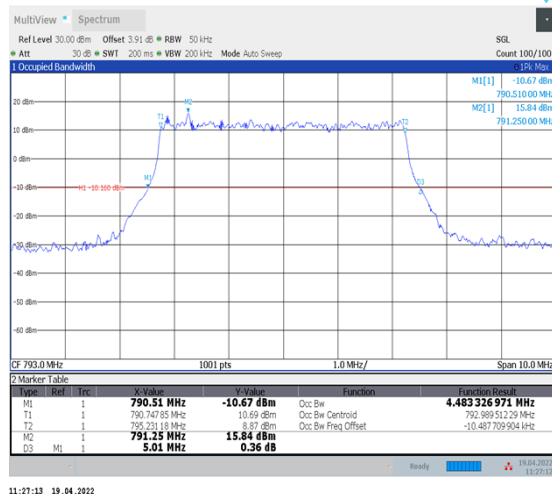
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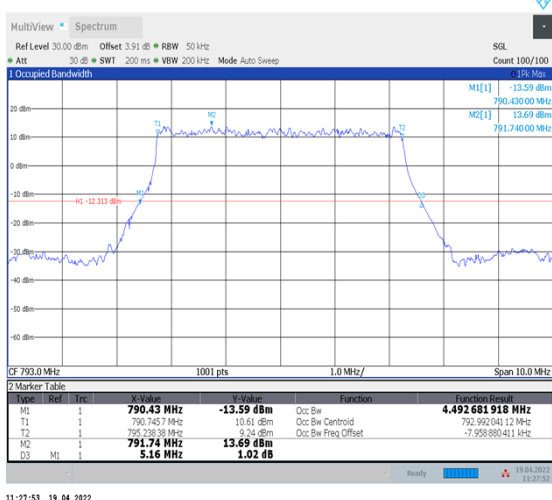
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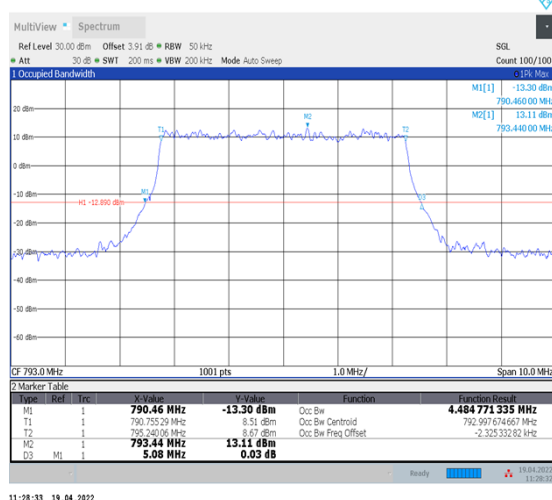
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1-N14--15-5-M-1-DFT-QPSK-Outer_Full-25@0-Ant1-4.483-5.010-≤5-PASS



11:27:53 19.04.2022



11:28:33 19.04.2022

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



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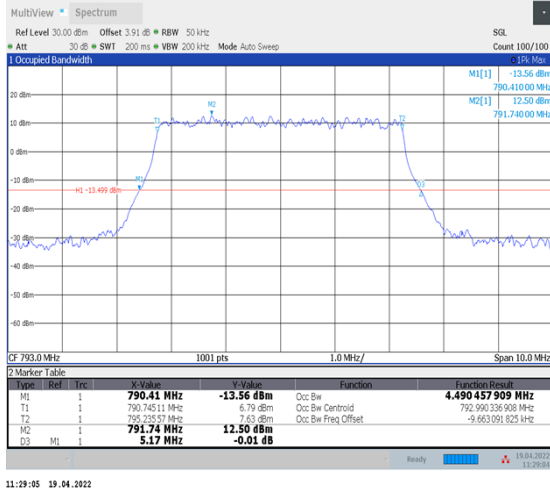
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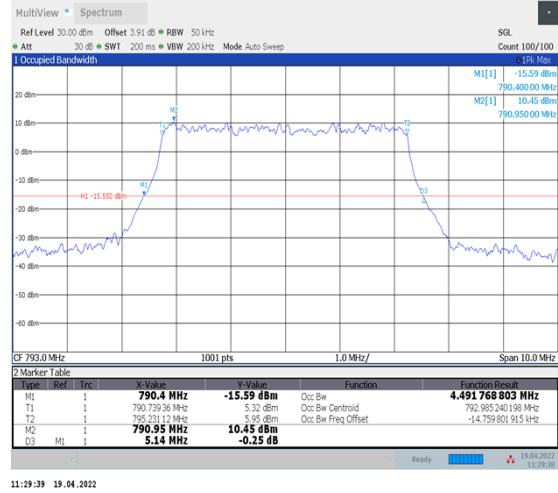
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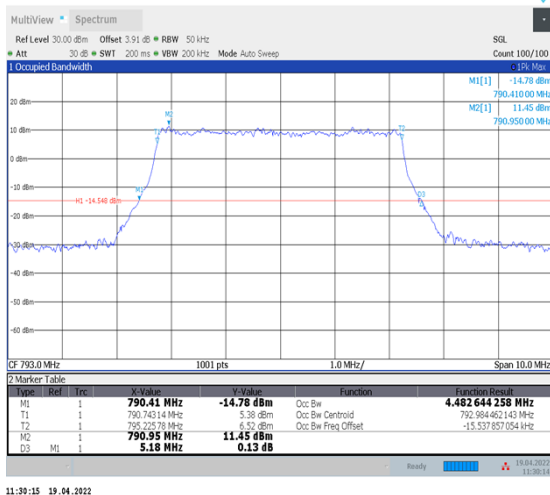
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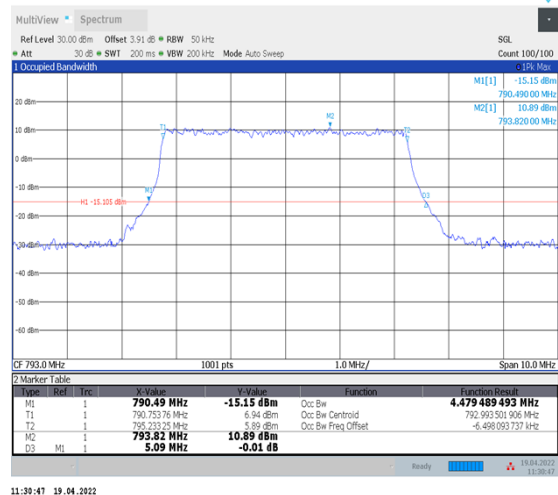
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1-N14--15-5-M-7-CP-16QAM-Out_25@0-Ant1-4.479-5.090-≤5-PASS



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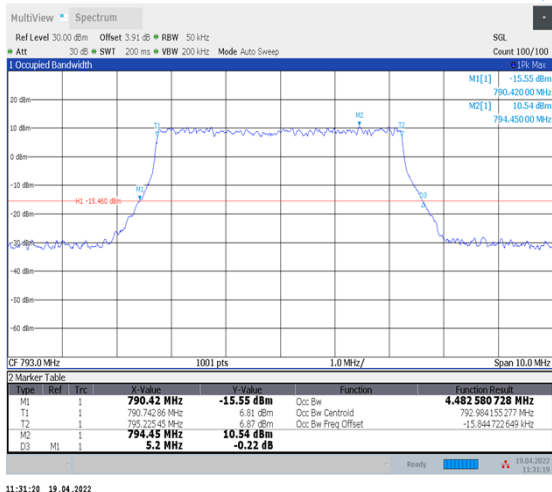
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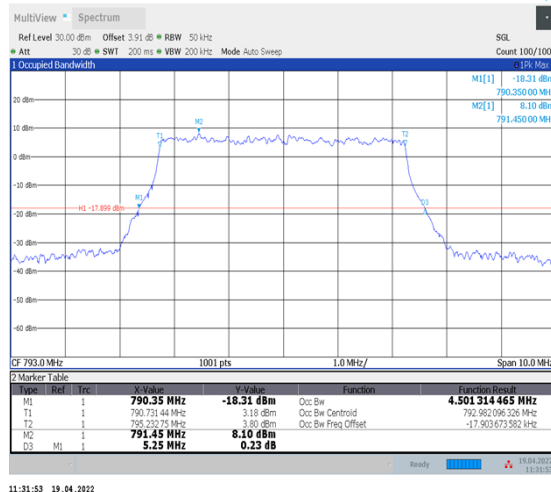
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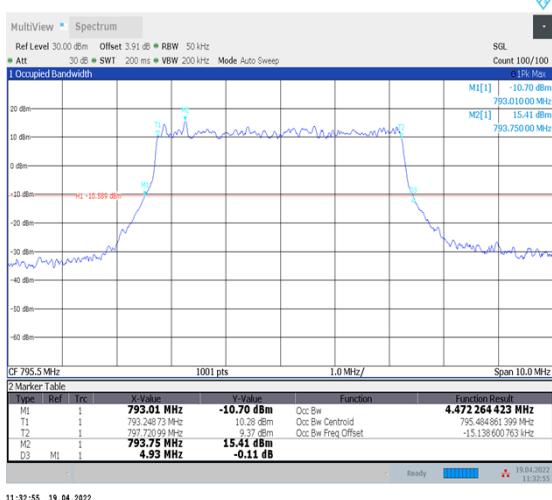
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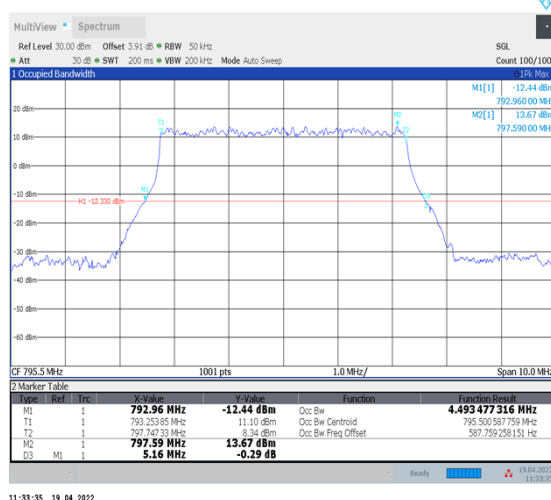
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11:32:55 19.04.2022



11:33:35 19.04.2022

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



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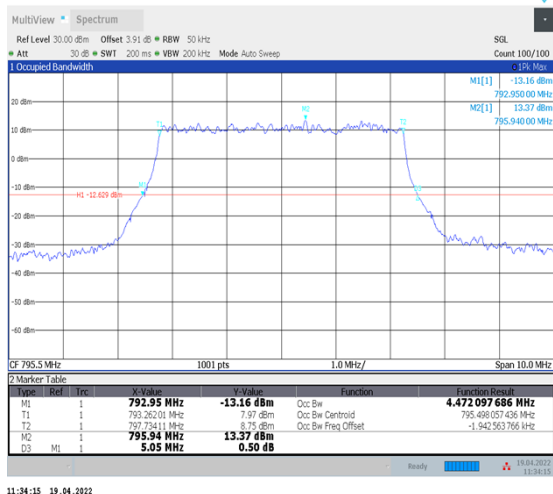
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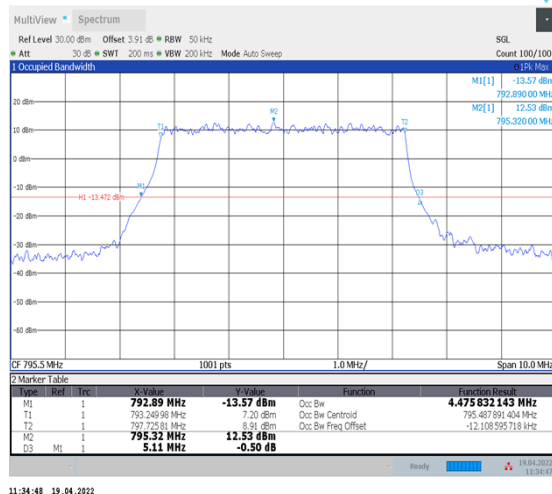
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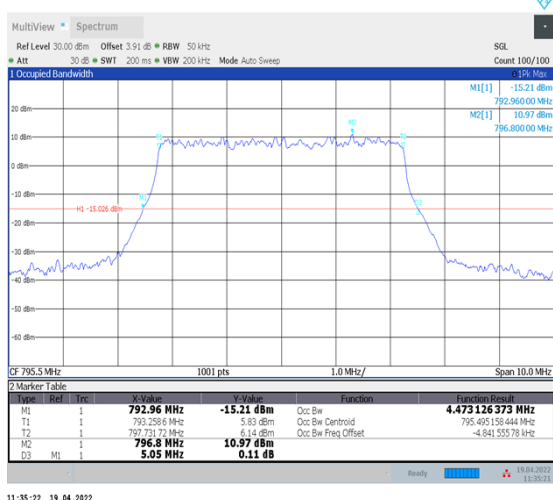
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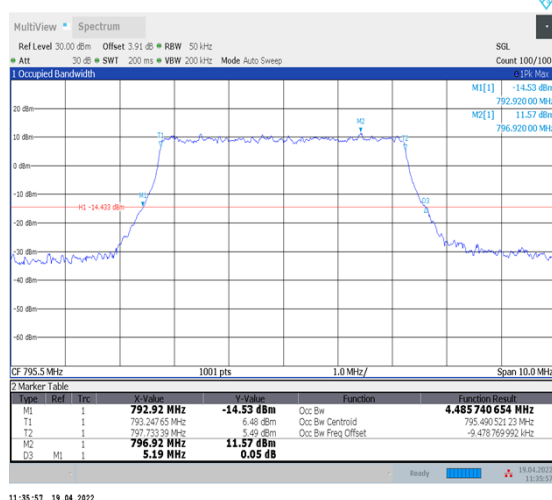
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1-N14--15-5-H-4-DFT-64QAM-Outer_Full-25@0-Ant1-4.476-5.110-≤5-PASS



1-N14--15-5-H-5-DFT-256QAM-Outer_Full-25@0-Ant1-4.473-5.050-≤5-PASS



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



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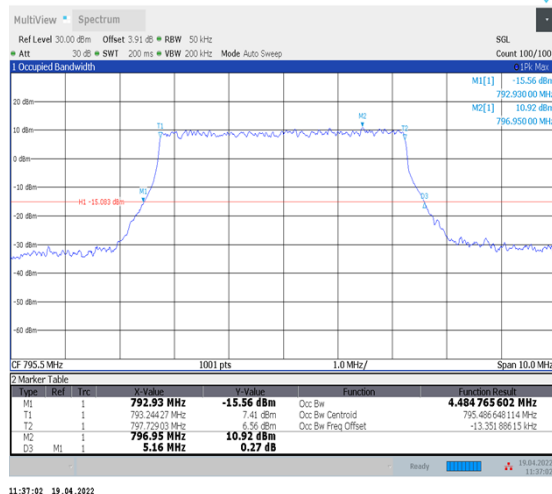
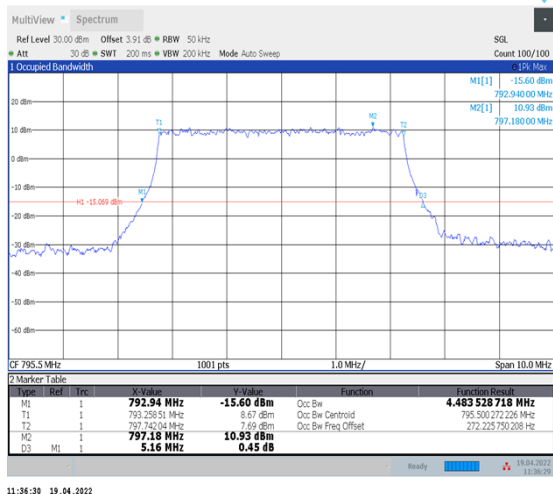
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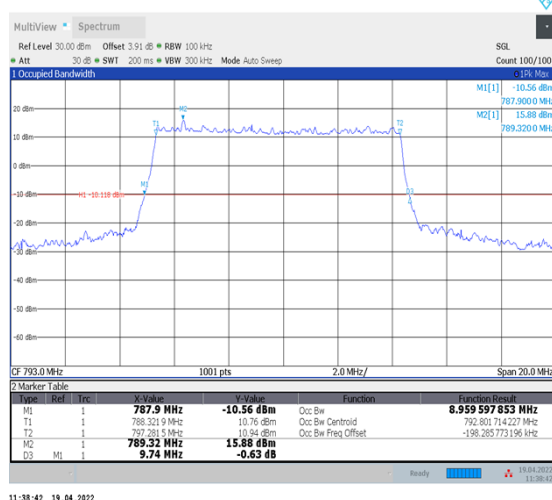
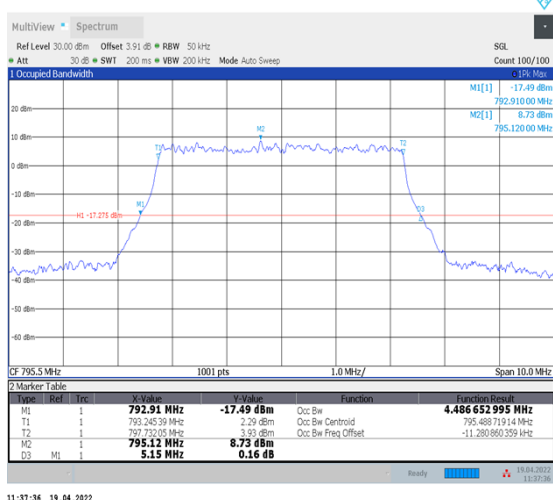
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1-N14--15-5-H-8-CP-64QAM-Outer_Full-25@0-Ant1-4.485-5.160-≤5-PASS



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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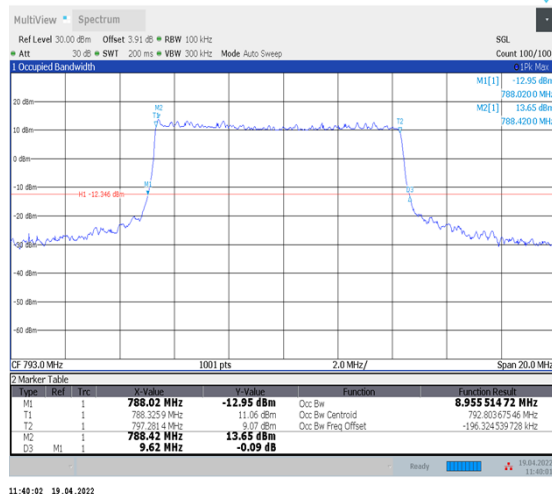
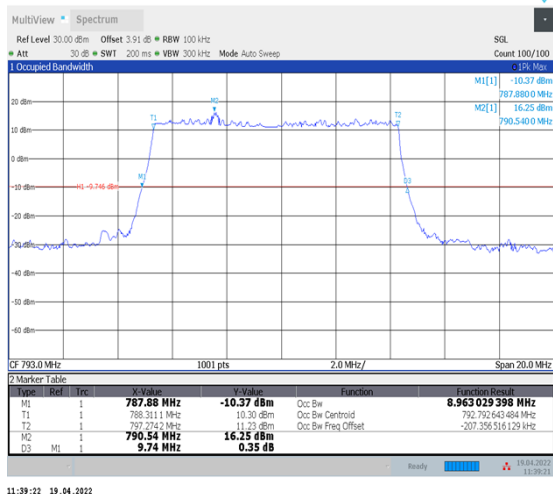
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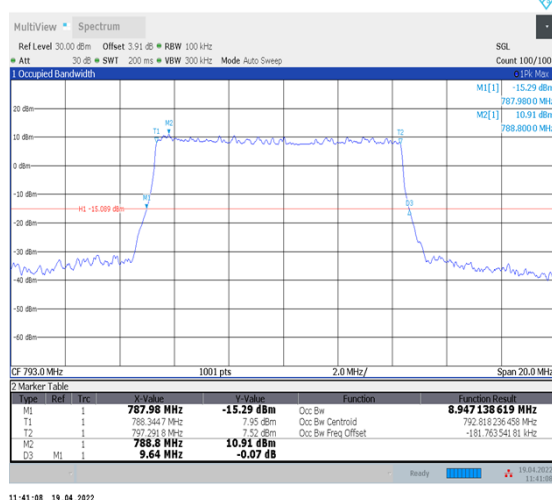
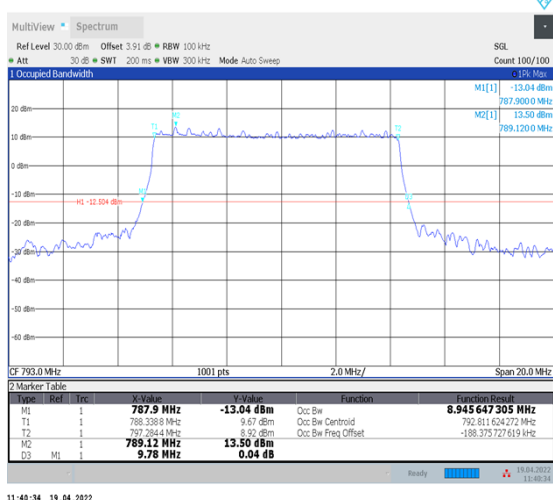
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1-N14--15-10-L-4-DFT-64QAM-Outer_Full-50@0-Ant1-8.946-9.780-≤10-PASS

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



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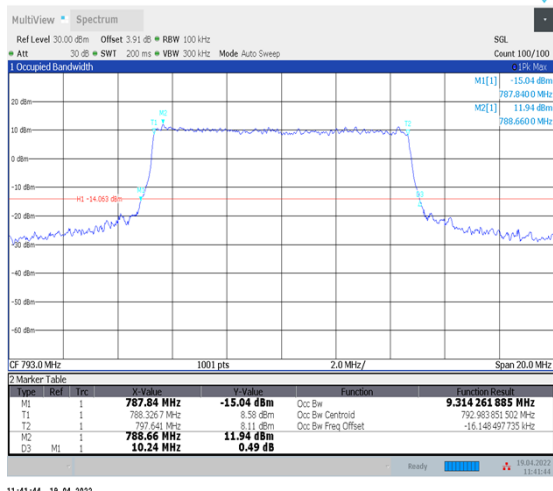
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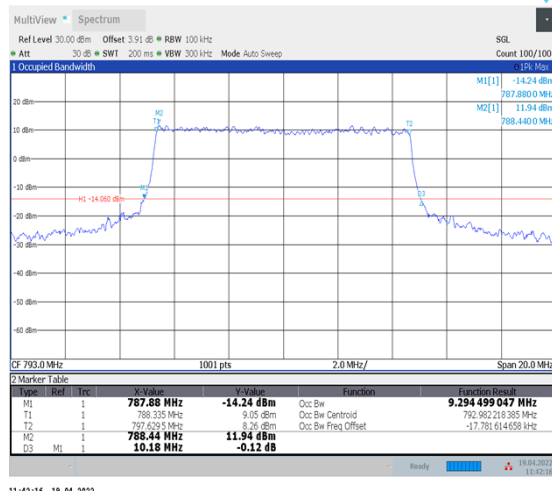
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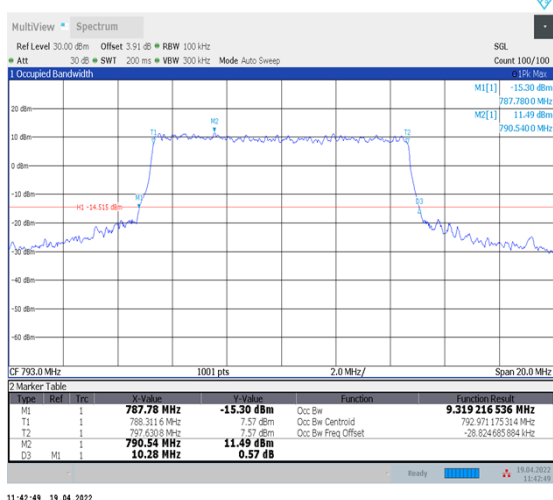
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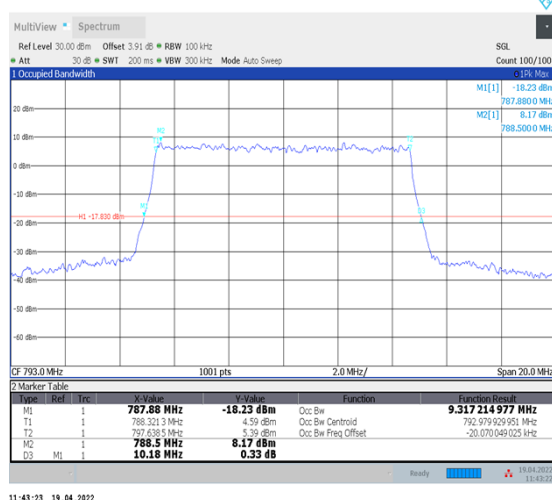
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1-N14--15-10-L-8-CP-64QAM-Outer_Full-52@0-Ant1-9.319-10.280-≤10-PASS



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



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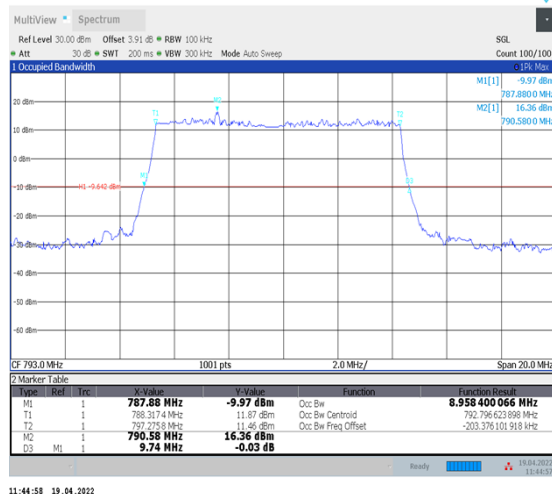
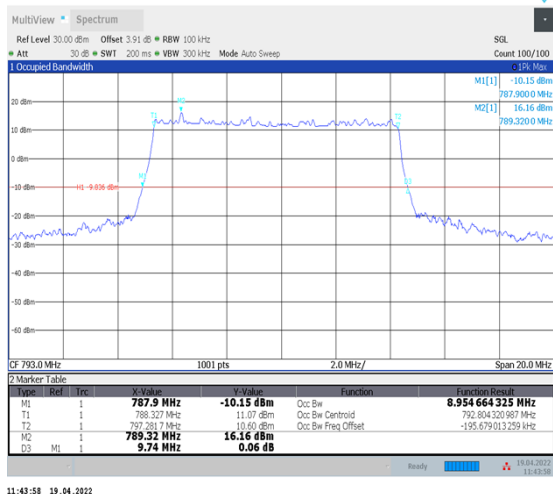
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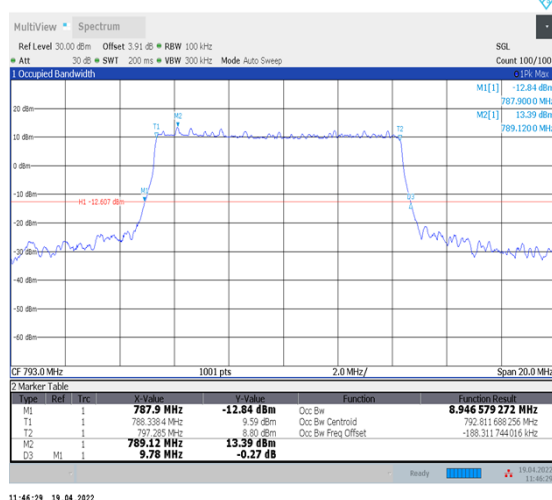
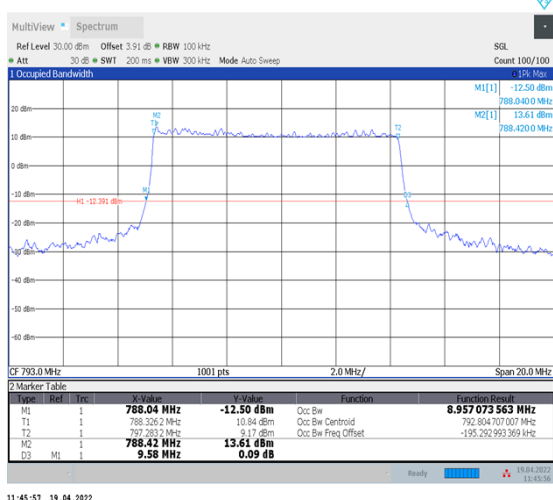
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1-N14--15-10-M-4-DFT-64QAM-Outter_Full-50@0-Ant1-8.947-9.780-≤10-PASS



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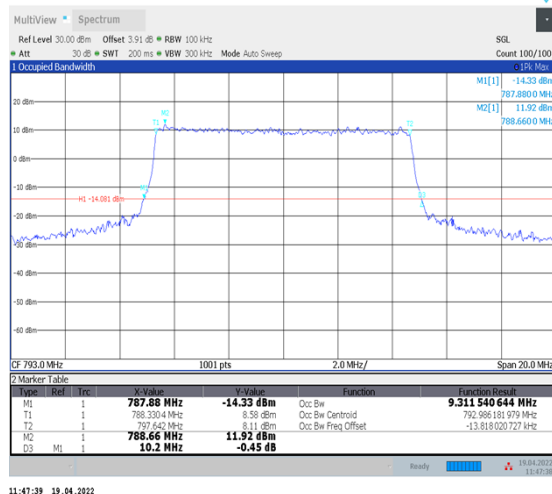
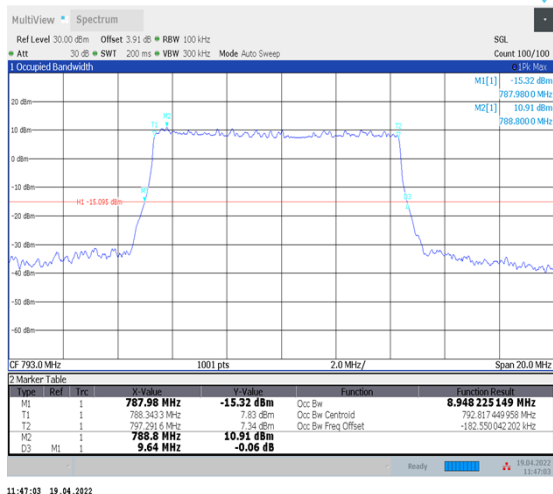
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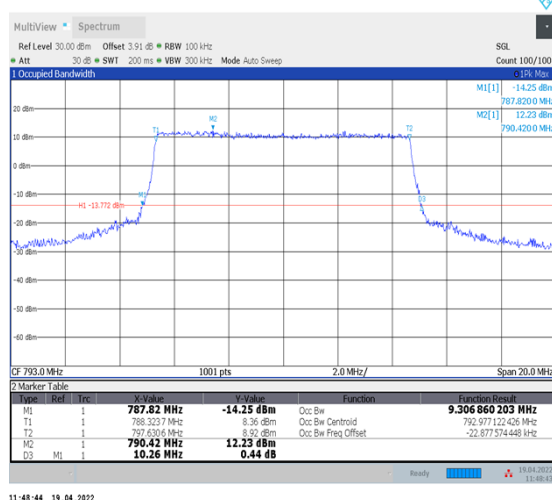
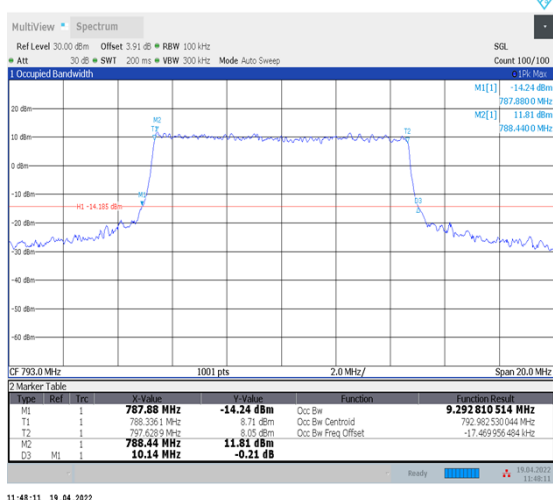
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1-N14--15-10-M-7-CP-16QAM-Outer_Full-52@0-Ant1-9.293-10.140-≤10-PASS

1-N14--15-10-M-8-CP-64QAM-Outer_Full-52@0-Ant1-9.307-10.260-≤10-PASS



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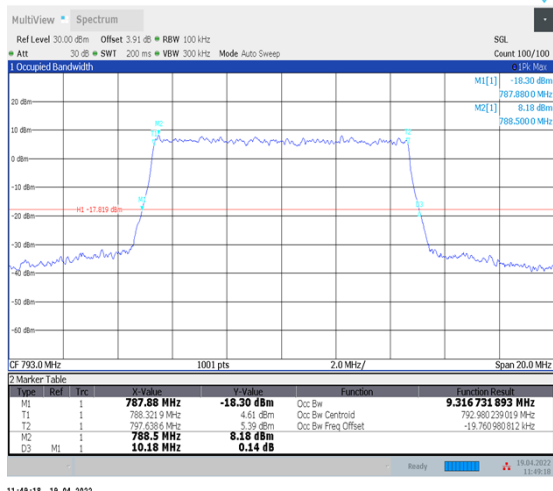
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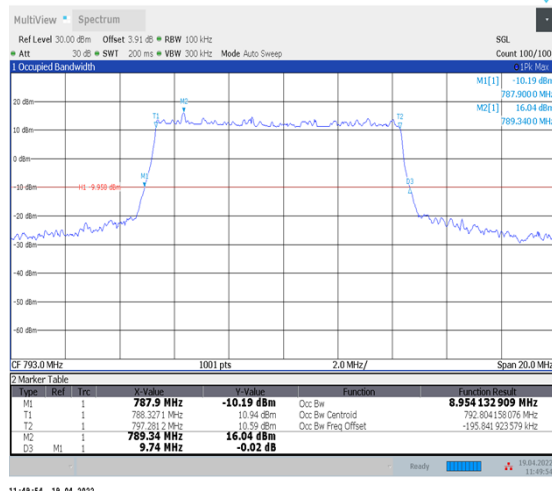
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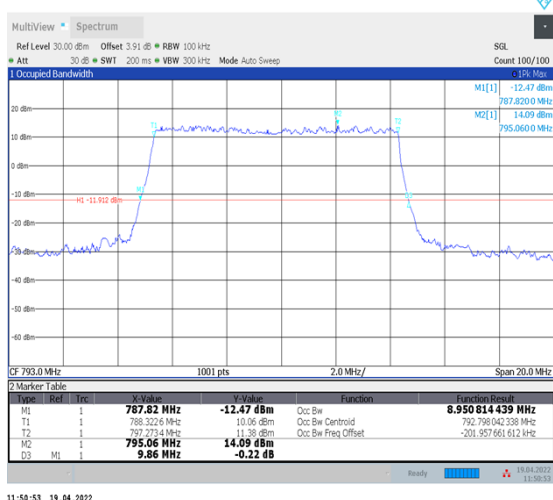
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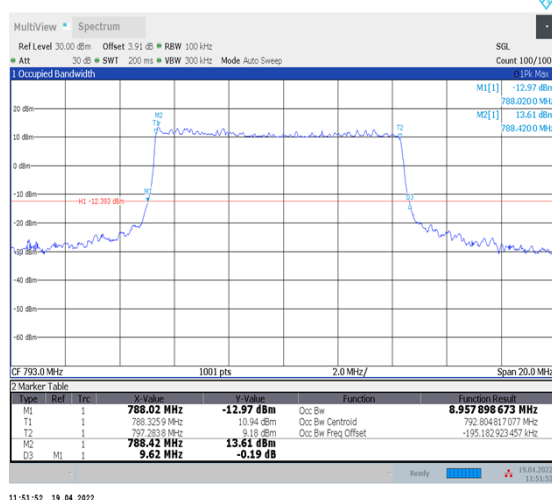
11:49:54 19.04.2022

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

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



11:50:53 19.04.2022



11:51:52 19.04.2022

1-N14--15-10-H-2-DFT-PI2BPSK-Outer_Full-50@0-Ant1-8.951-9.860-≤10-PASS

1-N14--15-10-H-3-DFT-16QAM-Outer_Full-50@0-Ant1-8.958-9.620-≤10-PASS



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