

Report No.: SEWM2304000122RG02

Rev.: 01

Page: 1 of 42

Appendix B.33

NR Band n14



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Report No.: SEWM2304000122RG02

Rev.: 01

Page: 2 of 42

Effective (Isotropic) Radiated Power Output Data for SA

Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Power (dBm)	ERP (dBm)	LimitdBm)	Verdict
N14	15	5	DFT-PI2BPSK	L	Inner_1RB_Left	24.11	24.38	34.77	PASS
N14	15	5	DFT-PI2BPSK	L	Inner_1RB_Right	24.24	24.51	34.77	PASS
N14	15	5	DFT-PI2BPSK	L	Outer_Full	23.74	24.01	34.77	PASS
N14	15	5	DFT-QPSK	L	Inner_1RB_Left	23.93	24.2	34.77	PASS
N14	15	5	DFT-QPSK	L	Inner_1RB_Right	24.07	24.34	34.77	PASS
N14	15	5	DFT-QPSK	L	Outer_Full	23.22	23.49	34.77	PASS
N14	15	5	DFT-16QAM	L	Inner_1RB_Left	23.01	23.28	34.77	PASS
N14	15	5	DFT-16QAM	L	Inner_1RB_Right	23.13	23.4	34.77	PASS
N14	15	5	DFT-16QAM	L	Outer_Full	22.26	22.53	34.77	PASS
N14	15	5	DFT-64QAM	L	Inner_1RB_Left	21.84	22.11	34.77	PASS
N14	15	5	DFT-64QAM	L	Inner_1RB_Right	21.84	22.11	34.77	PASS
N14	15	5	DFT-64QAM	L	Outer_Full	21.75	22.02	34.77	PASS
N14	15	5	DFT-256QAM	L	Inner_1RB_Left	19.12	19.39	34.77	PASS
N14	15	5	DFT-256QAM	L	Inner_1RB_Right	19.18	19.45	34.77	PASS
N14	15	5	DFT-256QAM	L	Outer_Full	19.65	19.92	34.77	PASS
N14	15	5	DFT-PI2BPSK	M	Inner_1RB_Left	24.23	24.5	34.77	PASS
N14	15	5	DFT-PI2BPSK	M	Inner_1RB_Right	24.17	24.44	34.77	PASS
N14	15	5	DFT-PI2BPSK	M	Outer_Full	23.66	23.93	34.77	PASS
N14	15	5	DFT-QPSK	M	Inner_1RB_Left	24.14	24.41	34.77	PASS
N14	15	5	DFT-QPSK	M	Inner_1RB_Right	24.05	24.32	34.77	PASS
N14	15	5	DFT-QPSK	M	Outer_Full	23.13	23.4	34.77	PASS
N14	15	5	DFT-16QAM	M	Inner_1RB_Left	23.18	23.45	34.77	PASS
N14	15	5	DFT-16QAM	M	Inner_1RB_Right	23.08	23.35	34.77	PASS
N14	15	5	DFT-16QAM	M	Outer_Full	22.27	22.54	34.77	PASS
N14	15	5	DFT-64QAM	M	Inner_1RB_Left	21.99	22.26	34.77	PASS
N14	15	5	DFT-64QAM	M	Inner_1RB_Right	21.88	22.15	34.77	PASS
N14	15	5	DFT-64QAM	M	Outer_Full	21.72	21.99	34.77	PASS
N14	15	5	DFT-256QAM	M	Inner_1RB_Left	19.2	19.47	34.77	PASS
N14	15	5	DFT-256QAM	M	Inner_1RB_Right	19.17	19.44	34.77	PASS
N14	15	5	DFT-256QAM	M	Outer_Full	19.6	19.87	34.77	PASS
N14	15	5	DFT-PI2BPSK	H	Inner_1RB_Left	24.18	24.45	34.77	PASS
N14	15	5	DFT-PI2BPSK	H	Inner_1RB_Right	24.27	24.54	34.77	PASS



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Report No.: SEWM2304000122RG02

Rev.: 01

Page: 3 of 42

N14	15	5	DFT-PI2BPSK	H	Outer_Full	23.67	23.94	34.77	PASS
N14	15	5	DFT-QPSK	H	Inner_1RB_Left	24.16	24.43	34.77	PASS
N14	15	5	DFT-QPSK	H	Inner_1RB_Right	24.11	24.38	34.77	PASS
N14	15	5	DFT-QPSK	H	Outer_Full	23.21	23.48	34.77	PASS
N14	15	5	DFT-16QAM	H	Inner_1RB_Left	23.21	23.48	34.77	PASS
N14	15	5	DFT-16QAM	H	Inner_1RB_Right	23.18	23.45	34.77	PASS
N14	15	5	DFT-16QAM	H	Outer_Full	22.27	22.54	34.77	PASS
N14	15	5	DFT-64QAM	H	Inner_1RB_Left	21.85	22.12	34.77	PASS
N14	15	5	DFT-64QAM	H	Inner_1RB_Right	21.98	22.25	34.77	PASS
N14	15	5	DFT-64QAM	H	Outer_Full	21.64	21.91	34.77	PASS
N14	15	5	DFT-256QAM	H	Inner_1RB_Left	19.2	19.47	34.77	PASS
N14	15	5	DFT-256QAM	H	Inner_1RB_Right	19.22	19.49	34.77	PASS
N14	15	5	DFT-256QAM	H	Outer_Full	19.56	19.83	34.77	PASS
N14	15	10	DFT-PI2BPSK	L	Inner_1RB_Left	24.13	24.4	34.77	PASS
N14	15	10	DFT-PI2BPSK	L	Inner_1RB_Right	24.27	24.54	34.77	PASS
N14	15	10	DFT-PI2BPSK	L	Outer_Full	23.73	24	34.77	PASS
N14	15	10	DFT-QPSK	L	Inner_1RB_Left	24.02	24.29	34.77	PASS
N14	15	10	DFT-QPSK	L	Inner_1RB_Right	24.15	24.42	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	23.01	23.28	34.77	PASS
N14	15	10	DFT-16QAM	L	Inner_1RB_Right	23.2	23.47	34.77	PASS
N14	15	10	DFT-16QAM	L	Outer_Full	22.18	22.45	34.77	PASS
N14	15	10	DFT-64QAM	L	Inner_1RB_Left	21.83	22.1	34.77	PASS
N14	15	10	DFT-64QAM	L	Inner_1RB_Right	21.95	22.22	34.77	PASS
N14	15	10	DFT-64QAM	L	Outer_Full	21.74	22.01	34.77	PASS
N14	15	10	DFT-256QAM	L	Inner_1RB_Left	19.56	19.83	34.77	PASS
N14	15	10	DFT-256QAM	L	Inner_1RB_Right	19.44	19.71	34.77	PASS
N14	15	10	DFT-256QAM	L	Outer_Full	19.63	19.9	34.77	PASS
N14	15	10	DFT-PI2BPSK	M	Inner_1RB_Left	24.23	24.5	34.77	PASS
N14	15	10	DFT-PI2BPSK	M	Inner_1RB_Right	24.24	24.51	34.77	PASS
N14	15	10	DFT-PI2BPSK	M	Outer_Full	23.64	23.91	34.77	PASS
N14	15	10	DFT-QPSK	M	Inner_1RB_Left	24.12	24.39	34.77	PASS
N14	15	10	DFT-QPSK	M	Inner_1RB_Right	24.32	24.59	34.77	PASS
N14	15	10	DFT-QPSK	M	Outer_Full	23.22	23.49	34.77	PASS
N14	15	10	DFT-16QAM	M	Inner_1RB_Left	23.16	23.43	34.77	PASS
N14	15	10	DFT-16QAM	M	Inner_1RB_Right	23.22	23.49	34.77	PASS
N14	15	10	DFT-16QAM	M	Outer_Full	22.28	22.55	34.77	PASS
N14	15	10	DFT-64QAM	M	Inner_1RB_Left	21.76	22.03	34.77	PASS



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Report No.: SEWM2304000122RG02

Rev.: 01

Page: 4 of 42

N14	15	10	DFT-64QAM	M	Inner_1RB_Right	21.86	22.13	34.77	PASS
N14	15	10	DFT-64QAM	M	Outer_Full	21.64	21.91	34.77	PASS
N14	15	10	DFT-256QAM	M	Inner_1RB_Left	19.55	19.82	34.77	PASS
N14	15	10	DFT-256QAM	M	Inner_1RB_Right	19.53	19.8	34.77	PASS
N14	15	10	DFT-256QAM	M	Outer_Full	19.34	19.61	34.77	PASS
N14	15	10	DFT-PI2BPSK	H	Inner_1RB_Left	24.22	24.49	34.77	PASS
N14	15	10	DFT-PI2BPSK	H	Inner_1RB_Right	24.36	24.63	34.77	PASS
N14	15	10	DFT-PI2BPSK	H	Outer_Full	23.23	23.5	34.77	PASS
N14	15	10	DFT-QPSK	H	Inner_1RB_Left	24.22	24.49	34.77	PASS
N14	15	10	DFT-QPSK	H	Inner_1RB_Right	24.41	24.68	34.77	PASS
N14	15	10	DFT-QPSK	H	Outer_Full	23.32	23.59	34.77	PASS
N14	15	10	DFT-16QAM	H	Inner_1RB_Left	23.26	23.53	34.77	PASS
N14	15	10	DFT-16QAM	H	Inner_1RB_Right	23.22	23.49	34.77	PASS
N14	15	10	DFT-16QAM	H	Outer_Full	22.41	22.68	34.77	PASS
N14	15	10	DFT-64QAM	H	Inner_1RB_Left	21.79	22.06	34.77	PASS
N14	15	10	DFT-64QAM	H	Inner_1RB_Right	21.64	21.91	34.77	PASS
N14	15	10	DFT-64QAM	H	Outer_Full	21.55	21.82	34.77	PASS
N14	15	10	DFT-256QAM	H	Inner_1RB_Left	19.36	19.63	34.77	PASS
N14	15	10	DFT-256QAM	H	Inner_1RB_Right	19.42	19.69	34.77	PASS
N14	15	10	DFT-256QAM	H	Outer_Full	19.55	19.82	34.77	PASS



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Rev.: 01

Page: 5 of 42

Peak-to-Average Ratio for SA

Test Result

Band	SCS	Bandwidth h	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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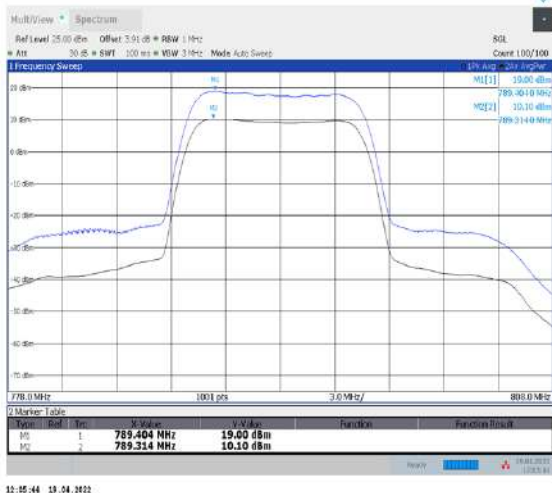
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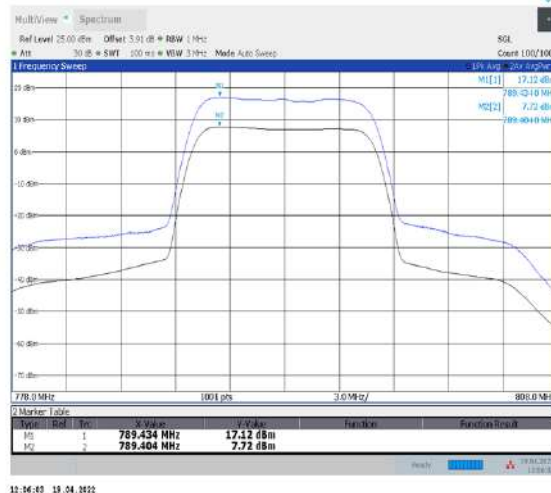
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Report No.: SEWM2304000122RG02
Rev.: 01
Page: 6 of 42

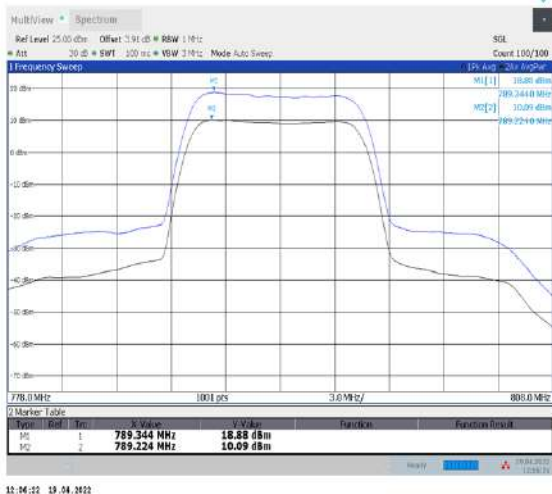
Test Graphs



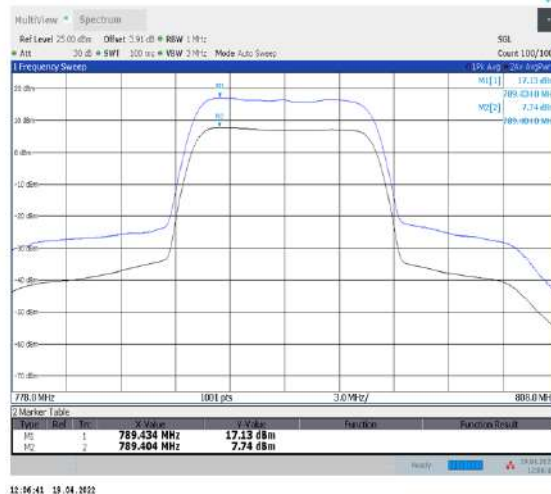
1-N14--15-10-L-1-DFT-256QAM-Outer_Full-50@0-
Ant1-8.90-100%-0.00-8.90-PASS-≤13



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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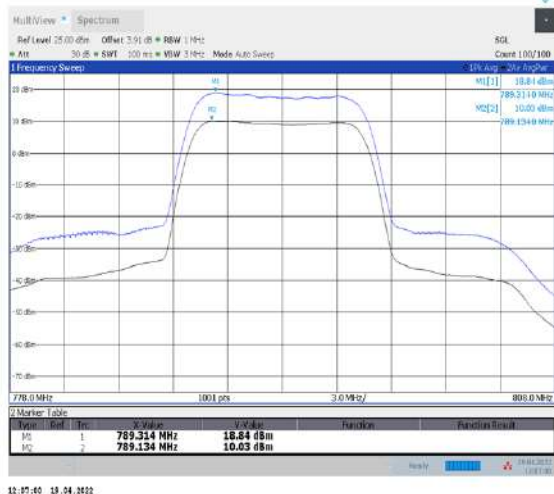
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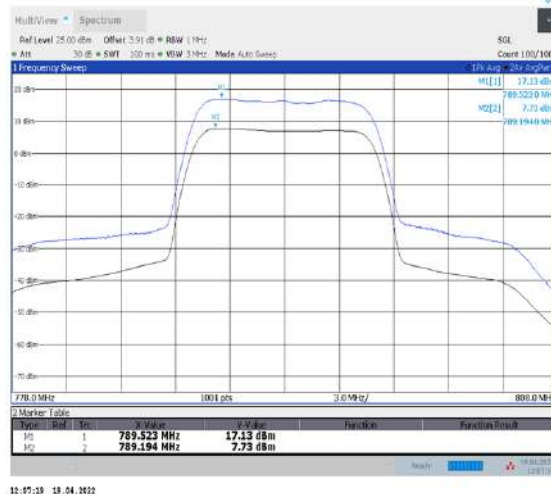
Report No.: SEWM2304000122RG02

Rev.: 01

Page: 7 of 42



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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Rev.: 01

Page: 8 of 42

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



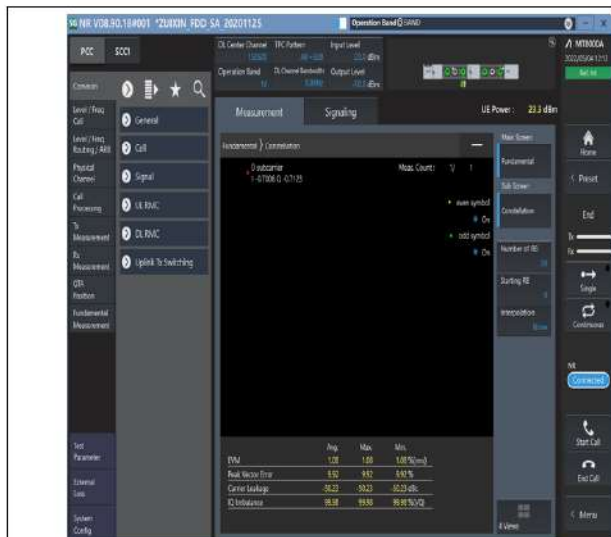
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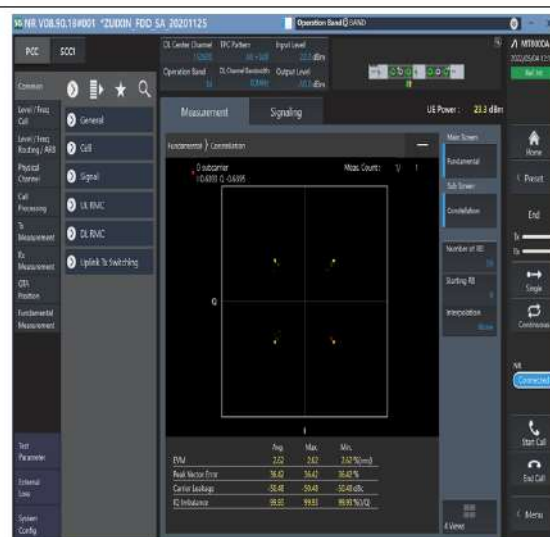
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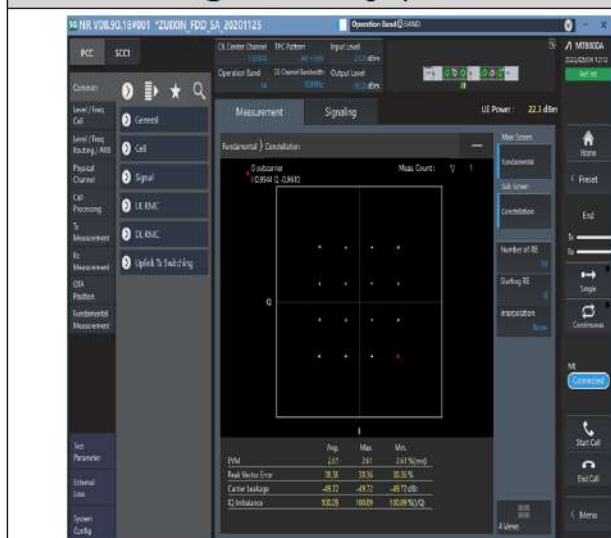
Test Graphs



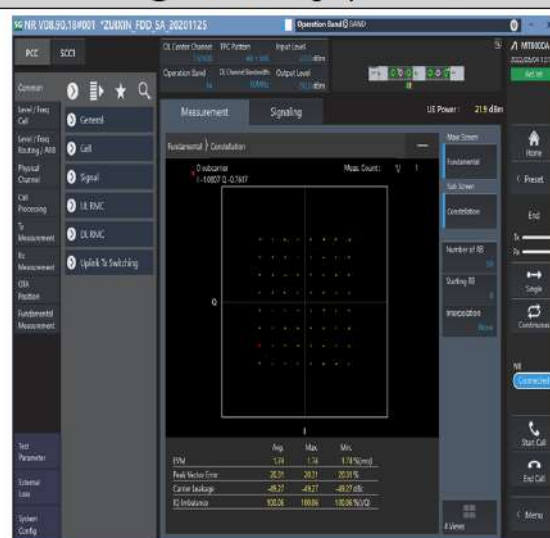
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1-N14-PC3-15-10-M-2-DFT-QPSK-Outer_Full-50@0-Ant1-see graph-PASS



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



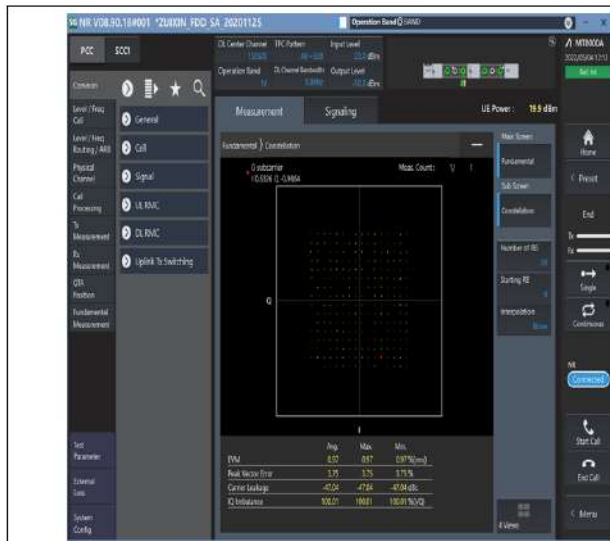
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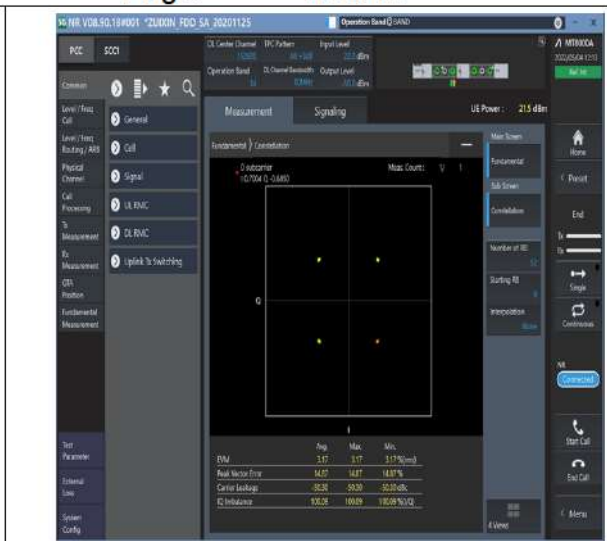
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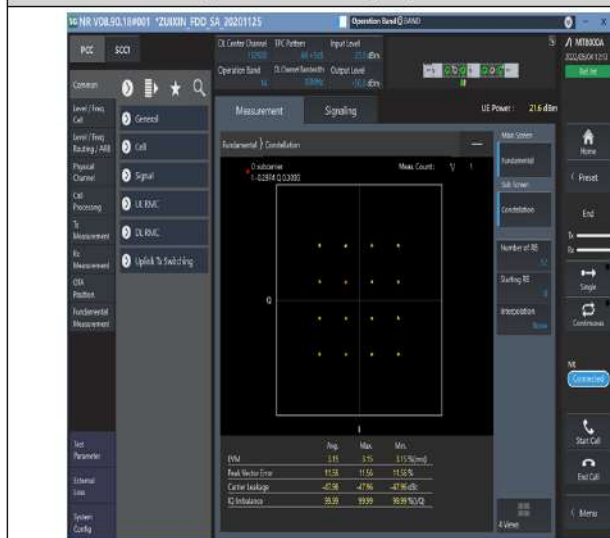
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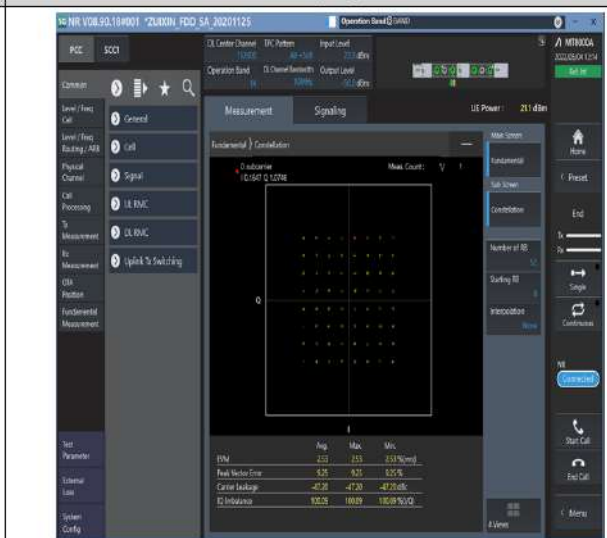
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1-N14-PC3-15-10-M-6-CP-QPSK-Outer_Full-52@0-Ant1-see graph-PASS



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



SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd.
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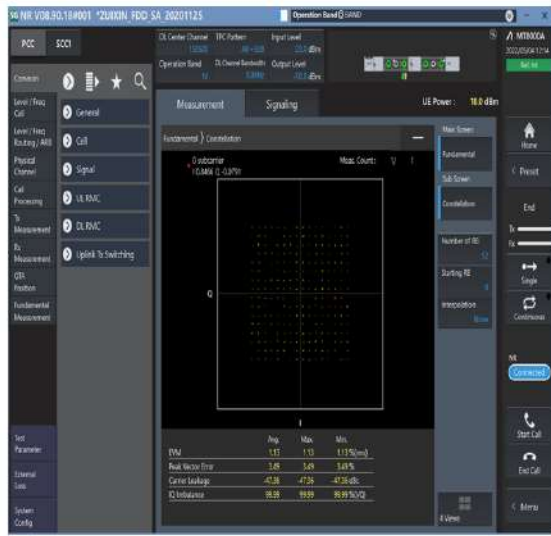
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Report No.: SEWM2304000122RG02

Rev.: 01

Page: 11 of 42



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



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Rev.: 01

Page: 12 of 42

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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Report No.: SEWM2304000122RG02

Rev.: 01

Page: 13 of 42

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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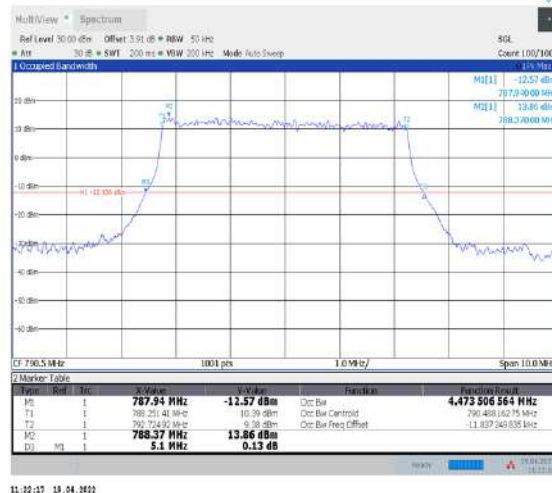
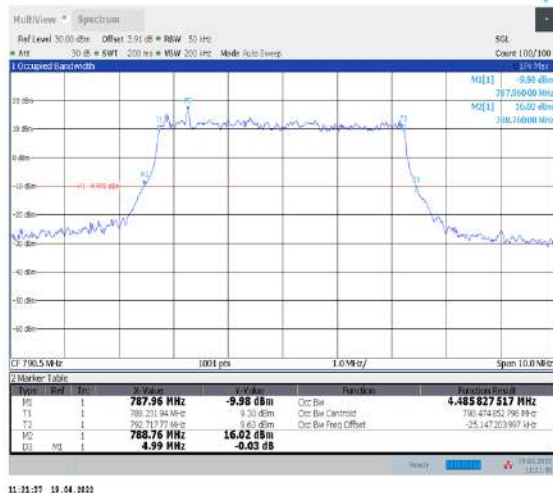
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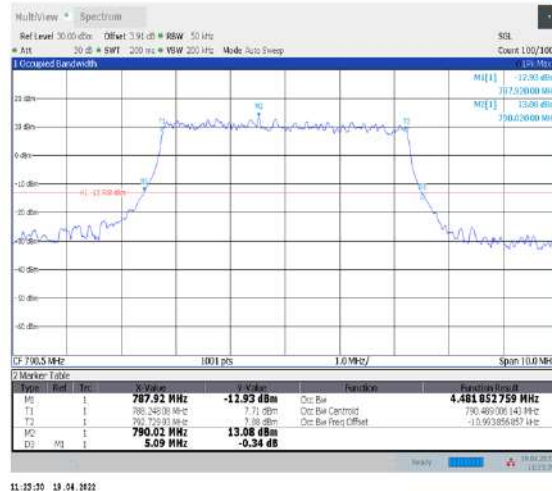
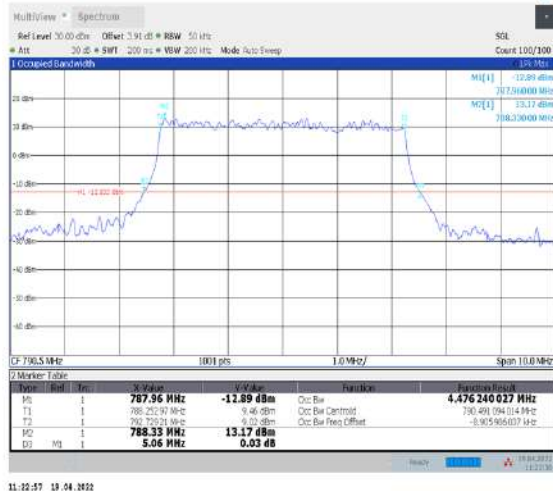
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Rev.: 01
Page: 14 of 42

Test Graphs



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

1-N14--15-5-L-2-DFT-PI2BPSK-Outer_Full-25@0-Ant1-4.474-5.100-≤5-PASS



1-N14--15-5-L-3-DFT-16QAM-Outer_Full-25@0-Ant1-4.476-5.060-≤5-PASS

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



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Report No.: SEWM2304000122RG02

Rev.: 01

Page: 15 of 42



11-16-19 19.04.2022

1-N14--15-5-L-5-DFT-256QAM-Outer_Full-25@0-Ant1-4.482-5.110-≤5-PASS



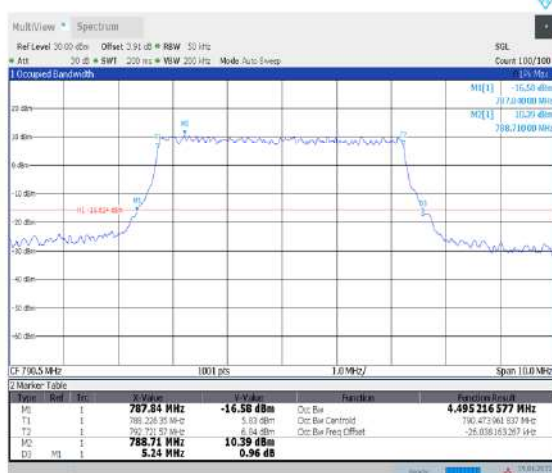
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11-15-11 19.04.2022

1-N14--15-5-L-7-CP-16QAM-Outer_Full-25@0-Ant1-4.494-5.190-≤5-PASS



11-15-11 19.04.2022

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



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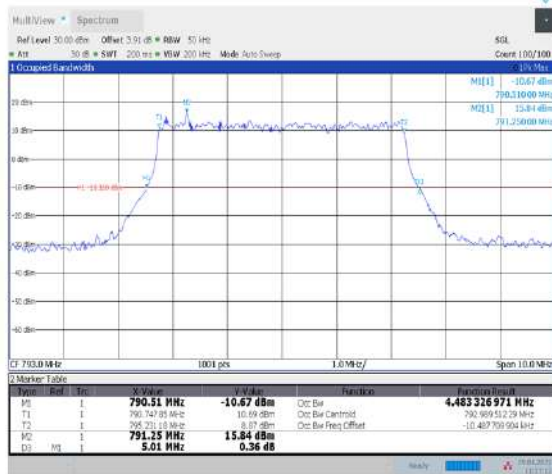
Report No.: SEWM2304000122RG02

Rev.: 01

Page: 16 of 42



11:16:18 19.04.2022



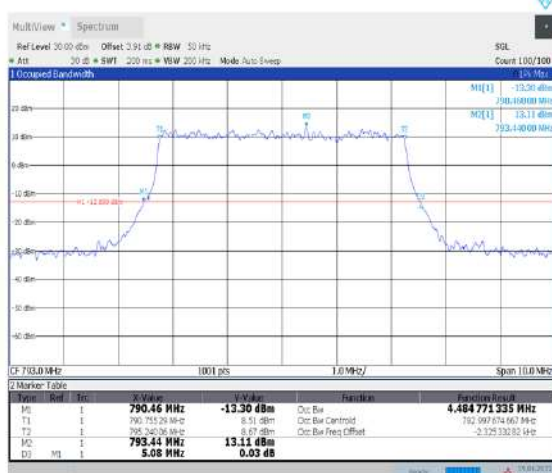
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1-N14--15-5-L-9-CP-256QAM-Outer_Full-25@0-Ant1-4.491-5.160-≤5-PASS

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



11:17:59 19.04.2022



11:18:20 19.04.2022

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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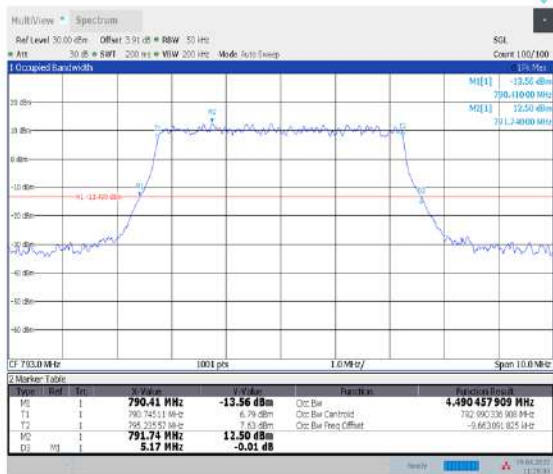
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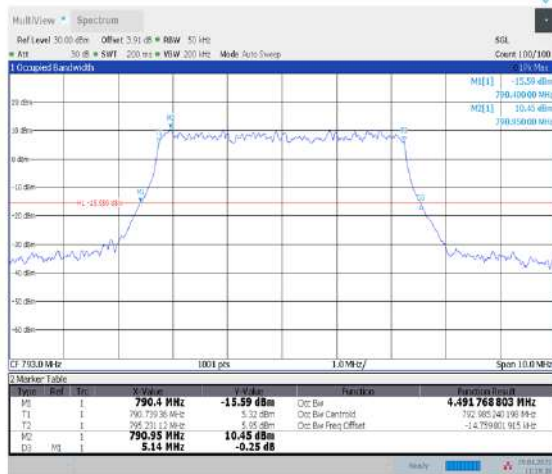
Report No.: SEWM2304000122RG02

Rev.: 01

Page: 17 of 42



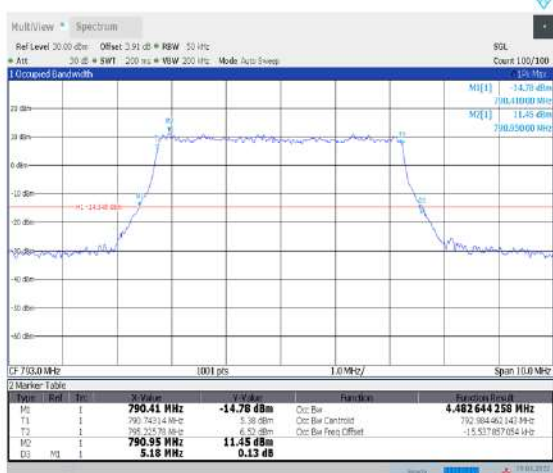
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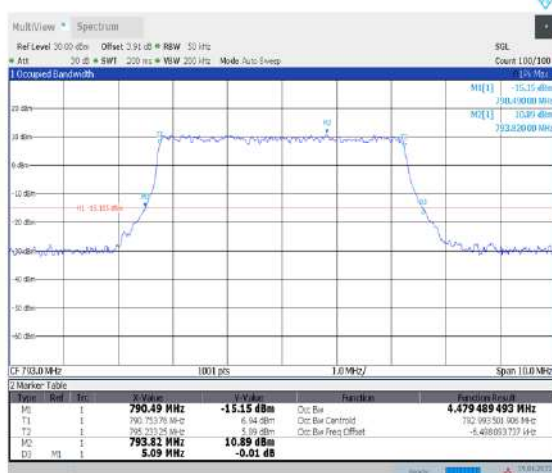
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1-N14--15-5-M-4-DFT-64QAM-Outer_Full-25@0-Ant1-4.49-5.170-≤5-PASS

1-N14--15-5-M-5-DFT-256QAM-Outer_Full-25@0-Ant1-4.492-5.140-≤5-PASS



11:30:15 19.04.2022



11:30:47 19.04.2022

1-N14--15-5-M-6-CP-QPSK-Outer_Full-25@0-Ant1-4.483-5.180-≤5-PASS

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



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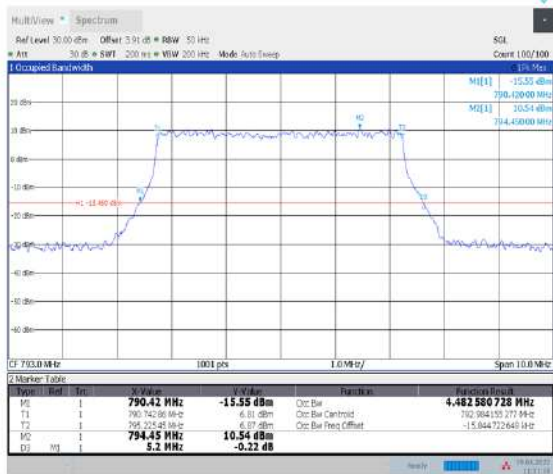
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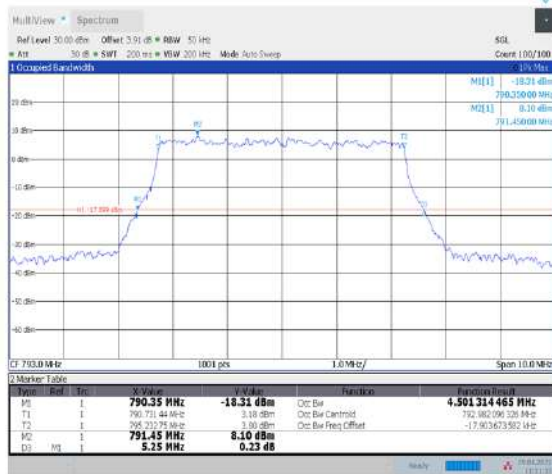
Report No.: SEWM2304000122RG02

Rev.: 01

Page: 18 of 42



11.31.20 19.04.2022



11.31.20 19.04.2022

1-N14--15-5-M-8-CP-64QAM-Outer_Full-25@0-Ant1-4.483-5.200-≤5-PASS

1-N14--15-5-M-9-CP-256QAM-Outer_Full-25@0-Ant1-4.501-5.250-≤5-PASS



11.32.20 19.04.2022



11.32.20 19.04.2022

1-N14--15-5-H-1-DFT-QPSK-Outer_Full-25@0-Ant1-4.472-4.930-≤5-PASS

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



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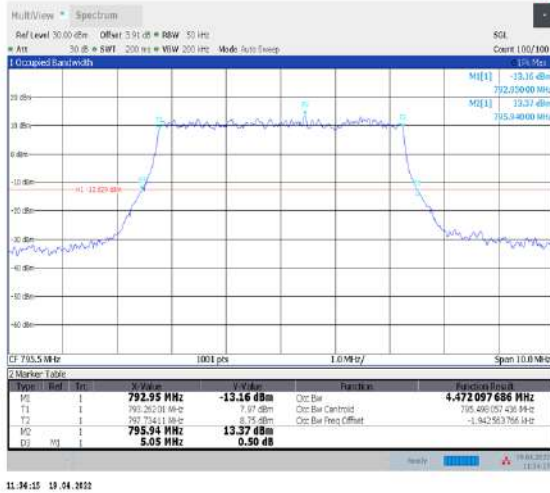
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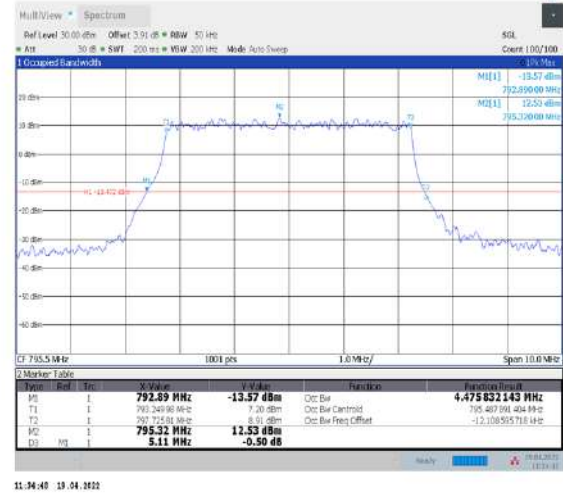
Report No.: SEWM2304000122RG02

Rev.: 01

Page: 19 of 42



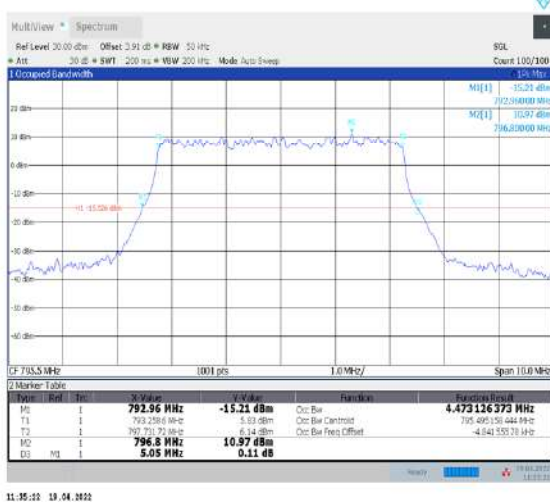
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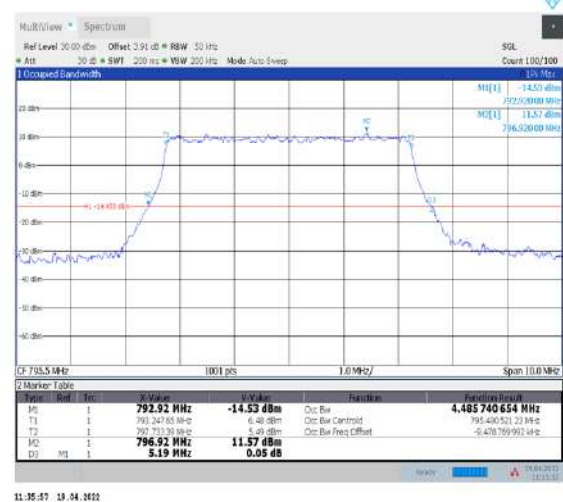
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1-N14--15-5-H-3-DFT-16QAM-Outer_Full-25@0-
Ant1-4.472-5.050-≤5-PASS

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



11.35.12 19.04.2022



11.35.37 19.04.2022

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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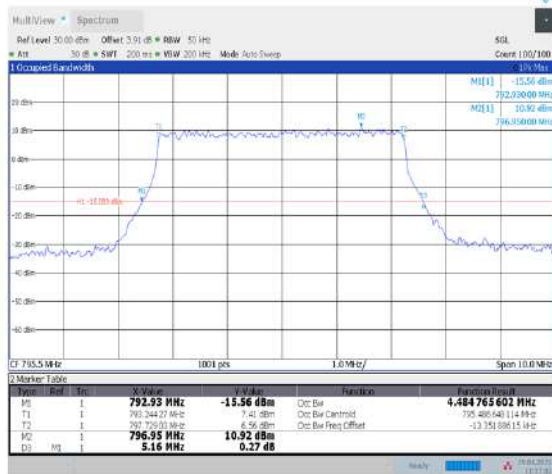
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Rev.: 01

Page: 20 of 42



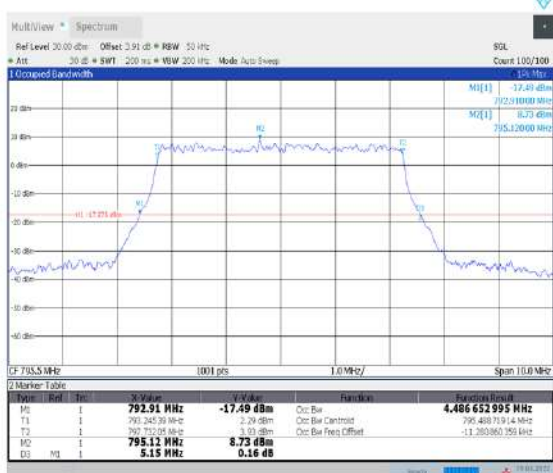
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11:37:42 19.04.2022

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



11:37:56 19.04.2022



11:38:42 19.04.2022

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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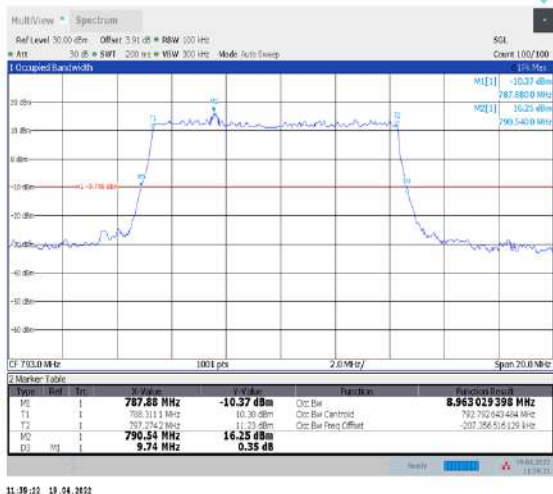
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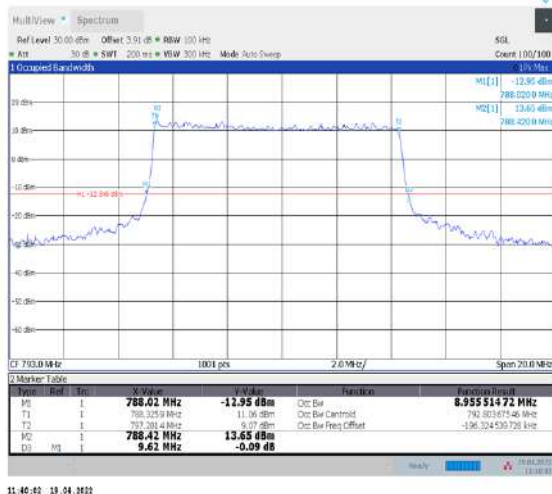
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Page: 21 of 42



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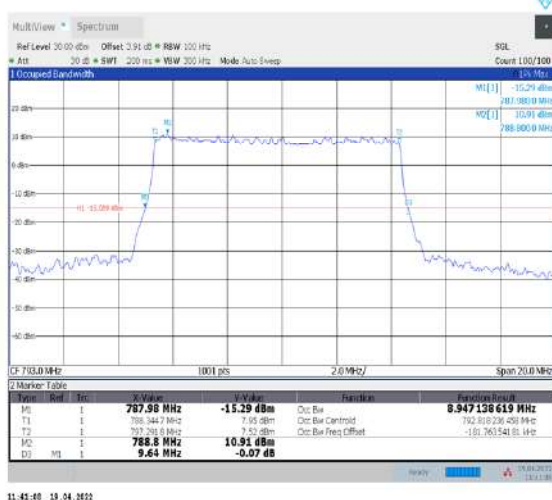
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11:40:34 19.04.2022



11:45:30 19.04.2022

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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