

Report No.: SUZR/2022/1002202

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Appendix B.14

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	Verdict
N14	15	5	DFT-PI2BPSK	L	Inner_1RB_Left	23.07	23.11	34.77	PASS
N14	15	5	DFT-PI2BPSK	L	Inner_1RB_Right	22.98	20.83	34.77	PASS
N14	15	5	DFT-PI2BPSK	L	Outer_Full	22.1	19.95	34.77	PASS
N14	15	5	DFT-QPSK	L	Inner_1RB_Left	23.14	20.99	34.77	PASS
N14	15	5	DFT-QPSK	L	Inner_1RB_Right	23.04	20.89	34.77	PASS
N14	15	5	DFT-QPSK	L	Outer_Full	22.08	19.93	34.77	PASS
N14	15	5	DFT-16QAM	L	Inner_1RB_Left	22.12	19.97	34.77	PASS
N14	15	5	DFT-16QAM	L	Inner_1RB_Right	22.12	19.97	34.77	PASS
N14	15	5	DFT-16QAM	L	Outer_Full	21.06	18.91	34.77	PASS
N14	15	5	DFT-64QAM	L	Inner_1RB_Left	20.48	18.33	34.77	PASS
N14	15	5	DFT-64QAM	L	Inner_1RB_Right	20.47	18.32	34.77	PASS
N14	15	5	DFT-64QAM	L	Outer_Full	20.65	18.5	34.77	PASS
N14	15	5	DFT-256QAM	L	Inner_1RB_Left	18.49	16.34	34.77	PASS
N14	15	5	DFT-256QAM	L	Inner_1RB_Right	18.53	16.38	34.77	PASS
N14	15	5	DFT-256QAM	L	Outer_Full	18.54	16.39	34.77	PASS
N14	15	5	DFT-PI2BPSK	M	Inner_1RB_Left	23.06	20.91	34.77	PASS
N14	15	5	DFT-PI2BPSK	M	Inner_1RB_Right	23.02	20.87	34.77	PASS
N14	15	5	DFT-PI2BPSK	M	Outer_Full	22.08	19.93	34.77	PASS
N14	15	5	DFT-QPSK	M	Inner_1RB_Left	23.06	20.91	34.77	PASS
N14	15	5	DFT-QPSK	M	Inner_1RB_Right	23.06	20.91	34.77	PASS
N14	15	5	DFT-QPSK	M	Outer_Full	22.07	19.92	34.77	PASS
N14	15	5	DFT-16QAM	M	Inner_1RB_Left	22.06	19.91	34.77	PASS
N14	15	5	DFT-16QAM	M	Inner_1RB_Right	22.1	19.95	34.77	PASS
N14	15	5	DFT-16QAM	M	Outer_Full	21.04	18.89	34.77	PASS
N14	15	5	DFT-64QAM	M	Inner_1RB_Left	20.35	18.2	34.77	PASS
N14	15	5	DFT-64QAM	M	Inner_1RB_Right	20.63	18.48	34.77	PASS
N14	15	5	DFT-64QAM	M	Outer_Full	20.62	18.47	34.77	PASS
N14	15	5	DFT-256QAM	M	Inner_1RB_Left	18.42	16.27	34.77	PASS
N14	15	5	DFT-256QAM	M	Inner_1RB_Right	18.45	16.3	34.77	PASS
N14	15	5	DFT-256QAM	M	Outer_Full	18.52	16.37	34.77	PASS
N14	15	5	DFT-PI2BPSK	H	Inner_1RB_Left	22.98	20.83	34.77	PASS



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N14	15	5	DFT-PI2BPSK	H	Inner_1RB_Right	22.9	20.75	34.77	PASS
N14	15	5	DFT-PI2BPSK	H	Outer_Full	22.06	19.91	34.77	PASS
N14	15	5	DFT-QPSK	H	Inner_1RB_Left	23.12	20.97	34.77	PASS
N14	15	5	DFT-QPSK	H	Inner_1RB_Right	22.98	20.83	34.77	PASS
N14	15	5	DFT-QPSK	H	Outer_Full	22.02	19.87	34.77	PASS
N14	15	5	DFT-16QAM	H	Inner_1RB_Left	22.1	19.95	34.77	PASS
N14	15	5	DFT-16QAM	H	Inner_1RB_Right	22.01	19.86	34.77	PASS
N14	15	5	DFT-16QAM	H	Outer_Full	21.05	18.9	34.77	PASS
N14	15	5	DFT-64QAM	H	Inner_1RB_Left	20.4	18.25	34.77	PASS
N14	15	5	DFT-64QAM	H	Inner_1RB_Right	20.33	18.18	34.77	PASS
N14	15	5	DFT-64QAM	H	Outer_Full	20.61	18.46	34.77	PASS
N14	15	5	DFT-256QAM	H	Inner_1RB_Left	18.42	16.27	34.77	PASS
N14	15	5	DFT-256QAM	H	Inner_1RB_Right	18.46	16.31	34.77	PASS
N14	15	5	DFT-256QAM	H	Outer_Full	18.49	16.34	34.77	PASS
N14	15	10	DFT-PI2BPSK	M	Inner_1RB_Left	23.12	20.97	34.77	PASS
N14	15	10	DFT-PI2BPSK	M	Inner_1RB_Right	22.97	20.82	34.77	PASS
N14	15	10	DFT-PI2BPSK	M	Outer_Full	22.08	19.93	34.77	PASS
N14	15	10	DFT-QPSK	M	Inner_1RB_Left	23.13	20.98	34.77	PASS
N14	15	10	DFT-QPSK	M	Inner_1RB_Right	23.07	20.92	34.77	PASS
N14	15	10	DFT-QPSK	M	Outer_Full	22.13	19.98	34.77	PASS
N14	15	10	DFT-16QAM	M	Inner_1RB_Left	22.01	19.86	34.77	PASS
N14	15	10	DFT-16QAM	M	Inner_1RB_Right	22.07	19.92	34.77	PASS
N14	15	10	DFT-16QAM	M	Outer_Full	21.1	18.95	34.77	PASS
N14	15	10	DFT-64QAM	M	Inner_1RB_Left	20.47	18.32	34.77	PASS
N14	15	10	DFT-64QAM	M	Inner_1RB_Right	20.41	18.26	34.77	PASS
N14	15	10	DFT-64QAM	M	Outer_Full	20.63	18.48	34.77	PASS
N14	15	10	DFT-256QAM	M	Inner_1RB_Left	18.47	16.32	34.77	PASS
N14	15	10	DFT-256QAM	M	Inner_1RB_Right	18.49	16.34	34.77	PASS
N14	15	10	DFT-256QAM	M	Outer_Full	18.56	16.41	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	M	Outer_Full	100%	0.00	8.78	≤13	PASS
N14	15	10	CP-256QAM	M	Outer_Full	100%	0.00	9.24	≤13	PASS



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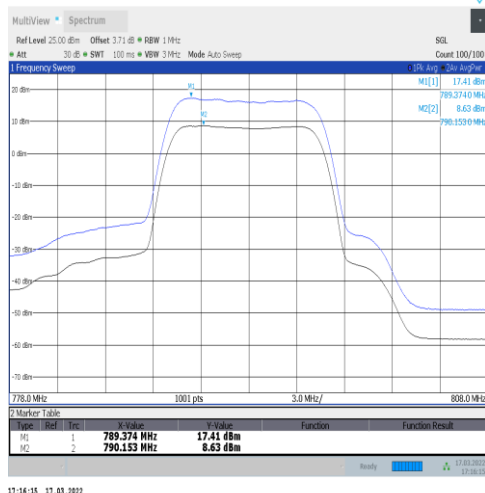
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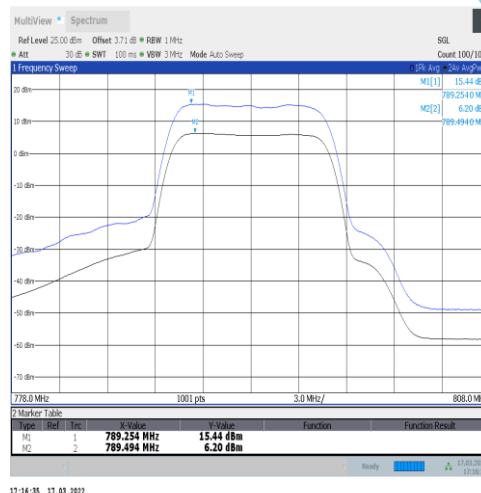
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Test Graphs



1-N14-15-10-M-1-DFT-256QAM-Outer_Full-50@0-A
nt1-8.78-100%-0.00-8.78-PASS-≤13



1-N14-15-10-M-2-CP-256QAM-Outer_Full-52@0-An
t1-9.24-100%-0.00-9.24-PASS-≤13



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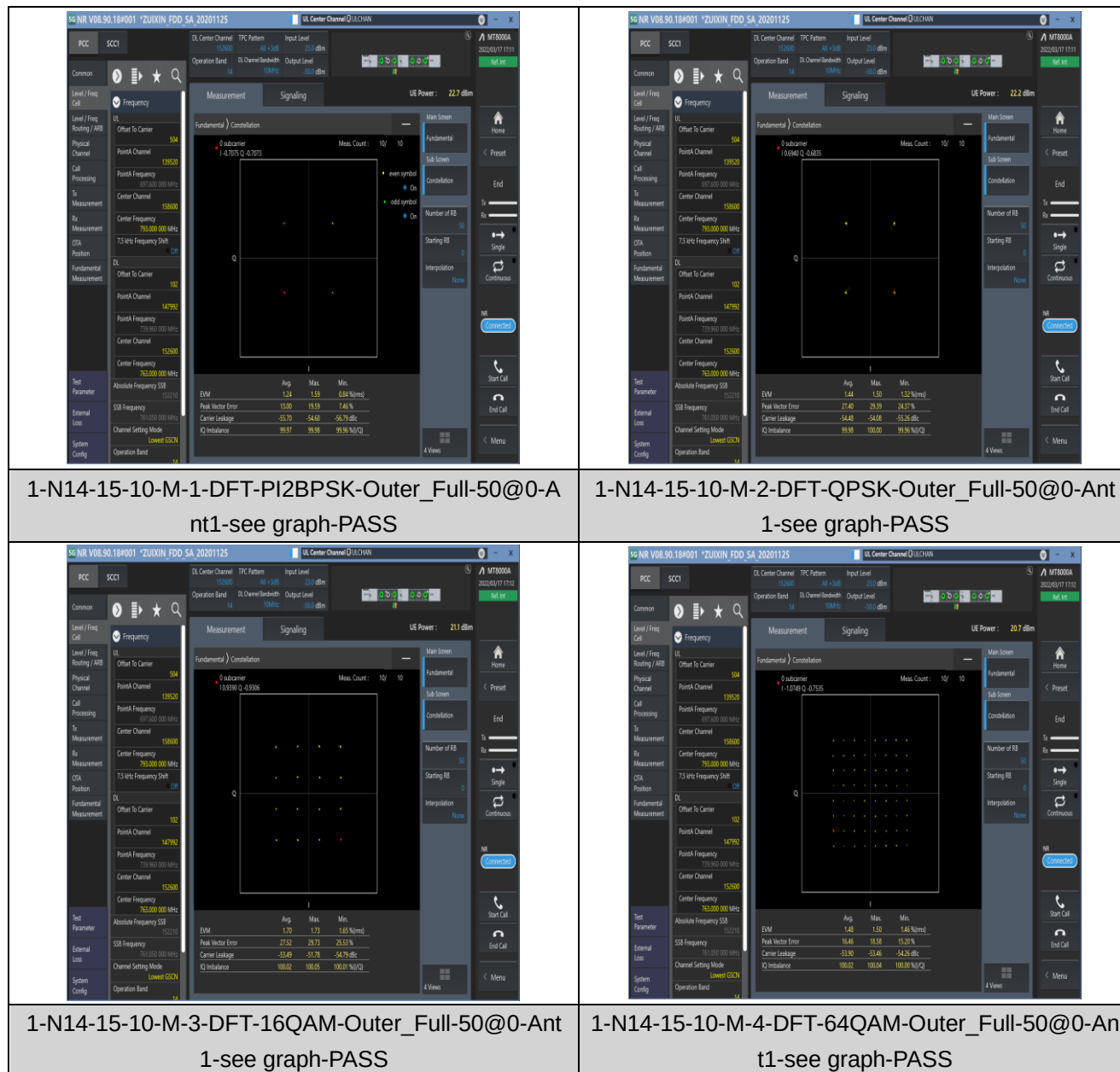
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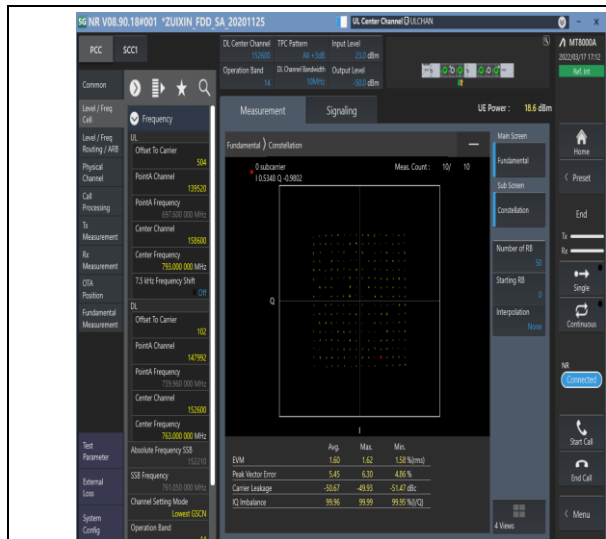
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Modulation characteristics for SA

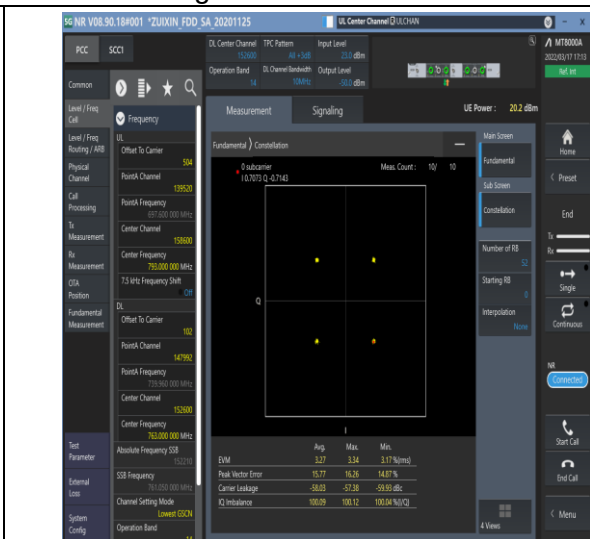
Test Graphs



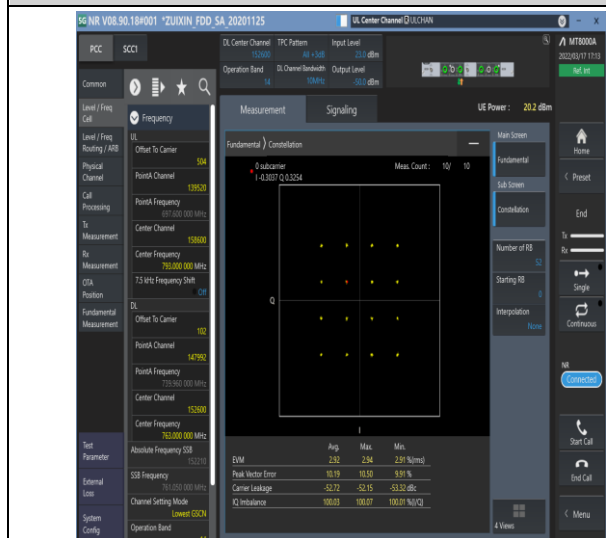
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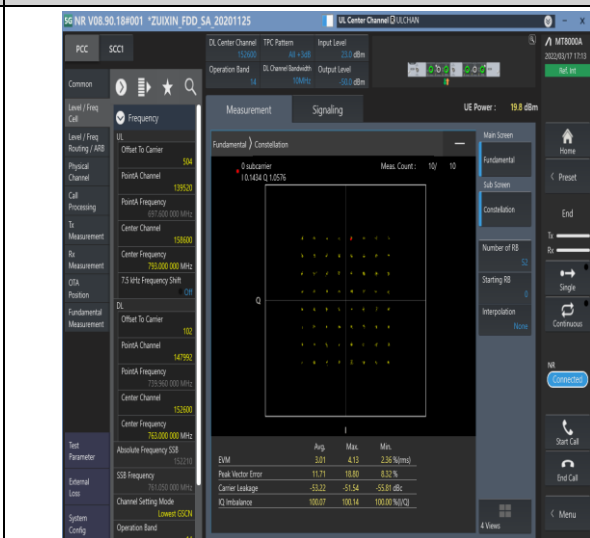
1-N14-15-10-M-5-DFT-256QAM-Outer_Full-50@0-Ant1-see graph-PASS



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



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



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



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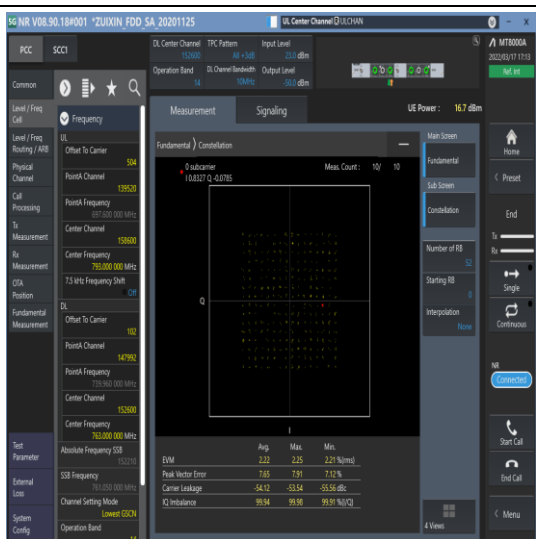
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1-N14-15-10-M-9-CP-256QAM-Outer_Full-52@0-Ant
1-see graph-PASS



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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	4.477	5.030	PASS
N14	15	5	DFT-PI2BPSK	L	Outer_Full	4.473	5.000	PASS
N14	15	5	DFT-16QAM	L	Outer_Full	4.471	5.080	PASS
N14	15	5	DFT-64QAM	L	Outer_Full	4.485	5.040	PASS
N14	15	5	DFT-256QAM	L	Outer_Full	4.48	5.030	PASS
N14	15	5	CP-QPSK	L	Outer_Full	4.484	5.250	PASS
N14	15	5	CP-16QAM	L	Outer_Full	4.486	5.080	PASS
N14	15	5	CP-64QAM	L	Outer_Full	4.492	5.250	PASS
N14	15	5	CP-256QAM	L	Outer_Full	4.479	5.160	PASS
N14	15	5	DFT-QPSK	M	Outer_Full	4.491	5.020	PASS
N14	15	5	DFT-PI2BPSK	M	Outer_Full	4.477	5.110	PASS
N14	15	5	DFT-16QAM	M	Outer_Full	4.489	5.080	PASS
N14	15	5	DFT-64QAM	M	Outer_Full	4.491	5.160	PASS
N14	15	5	DFT-256QAM	M	Outer_Full	4.49	5.140	PASS
N14	15	5	CP-QPSK	M	Outer_Full	4.48	5.160	PASS
N14	15	5	CP-16QAM	M	Outer_Full	4.475	5.120	PASS
N14	15	5	CP-64QAM	M	Outer_Full	4.486	5.240	PASS
N14	15	5	CP-256QAM	M	Outer_Full	4.5	5.240	PASS
N14	15	5	DFT-QPSK	H	Outer_Full	4.47	4.910	PASS
N14	15	5	DFT-PI2BPSK	H	Outer_Full	4.472	5.120	PASS
N14	15	5	DFT-16QAM	H	Outer_Full	4.466	5.040	PASS
N14	15	5	DFT-64QAM	H	Outer_Full	4.473	5.090	PASS
N14	15	5	DFT-256QAM	H	Outer_Full	4.471	5.030	PASS
N14	15	5	CP-QPSK	H	Outer_Full	4.478	5.180	PASS
N14	15	5	CP-16QAM	H	Outer_Full	4.473	5.100	PASS
N14	15	5	CP-64QAM	H	Outer_Full	4.482	5.110	PASS
N14	15	5	CP-256QAM	H	Outer_Full	4.484	5.140	PASS
N14	15	10	DFT-QPSK	M	Outer_Full	8.948	9.700	PASS
N14	15	10	DFT-PI2BPSK	M	Outer_Full	8.945	9.840	PASS
N14	15	10	DFT-16QAM	M	Outer_Full	8.949	9.600	PASS
N14	15	10	DFT-64QAM	M	Outer_Full	8.937	9.780	PASS
N14	15	10	DFT-256QAM	M	Outer_Full	8.938	9.660	PASS



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N14	15	10	CP-QPSK	M	Outer_Full	9.295	10.140	PASS
N14	15	10	CP-16QAM	M	Outer_Full	9.279	10.140	PASS
N14	15	10	CP-64QAM	M	Outer_Full	9.304	10.240	PASS
N14	15	10	CP-256QAM	M	Outer_Full	9.307	10.180	PASS



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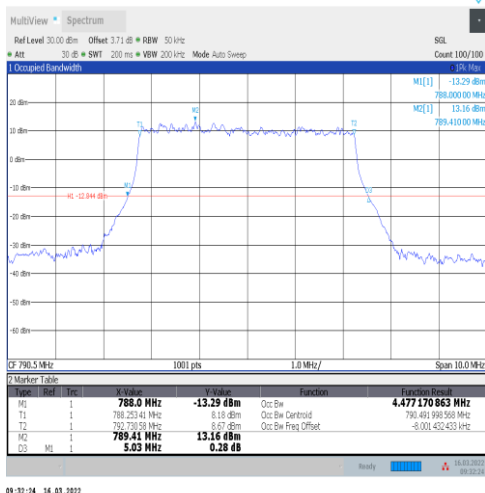
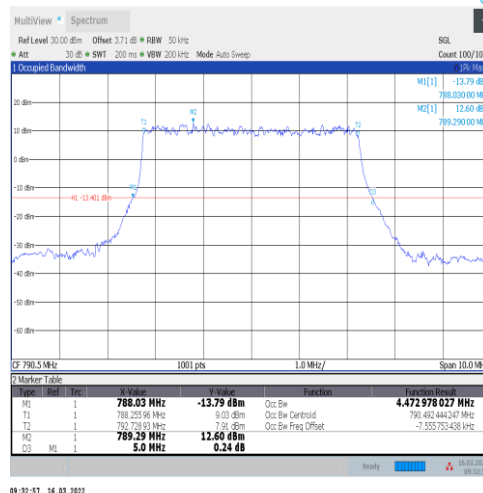
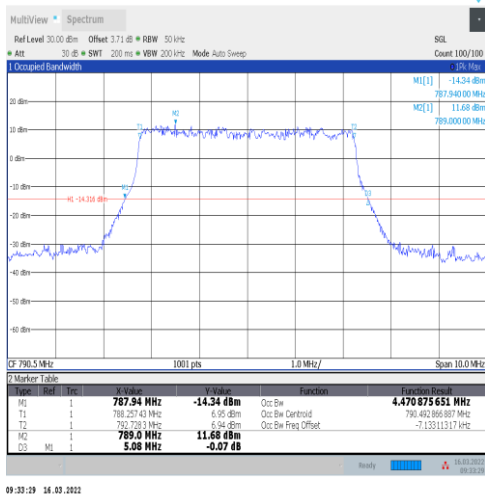
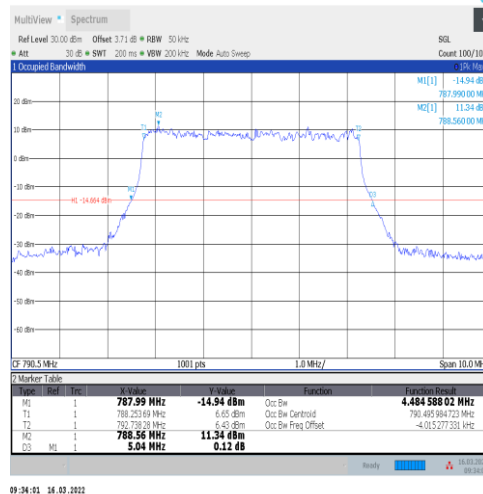
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Test Graphs

1-N14-15-5-L-1-DFT-QPSK-Outer_Full-25@0-Ant1-4
.477-5.030-≤5-PASS1-N14-15-5-L-2-DFT-PI2BPSK-Outer_Full-25@0-Ant
1-4.473-5.000-≤5-PASS1-N14-15-5-L-3-DFT-16QAM-Outer_Full-25@0-Ant1-
4.471-5.080-≤5-PASS1-N14-15-5-L-4-DFT-64QAM-Outer_Full-25@0-Ant1
-4.485-5.040-≤5-PASS

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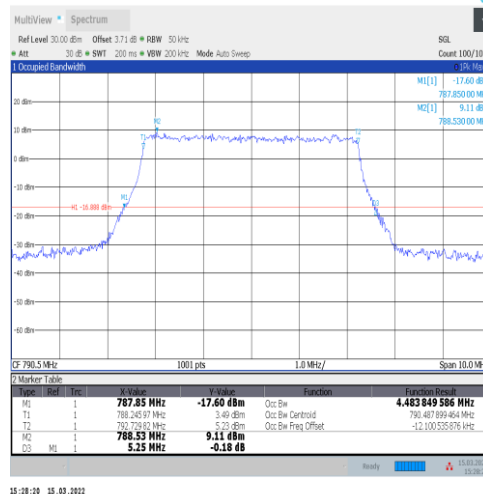
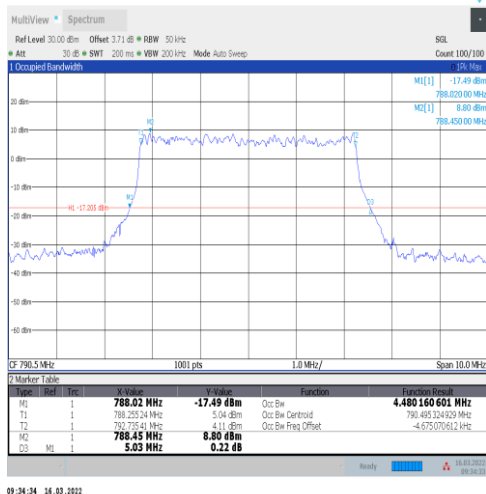
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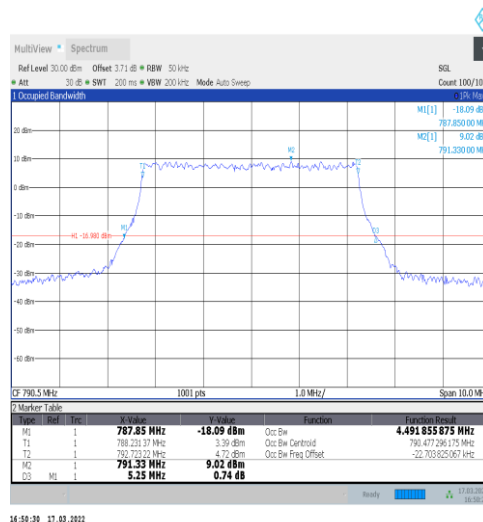
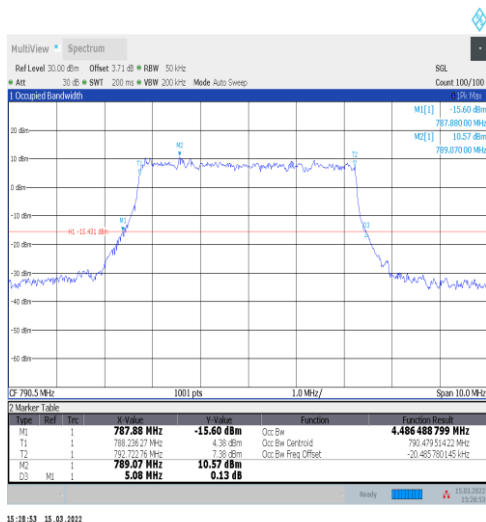
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1-N14-15-5-L-5-DFT-256QAM-Outer_Full-25@0-Ant
1-4.48-5.030-≤5-PASS

1-N14-15-5-L-6-CP-QPSK-Outer_Full-25@0-Ant1-4.
484-5.250-≤5-PASS



1-N14-15-5-L-7-CP-16QAM-Outer_Full-25@0-Ant1-4
.486-5.080-≤5-PASS

1-N14-15-5-L-8-CP-64QAM-Outer_Full-25@0-Ant1-4
4.492-5.250-≤5-PASS



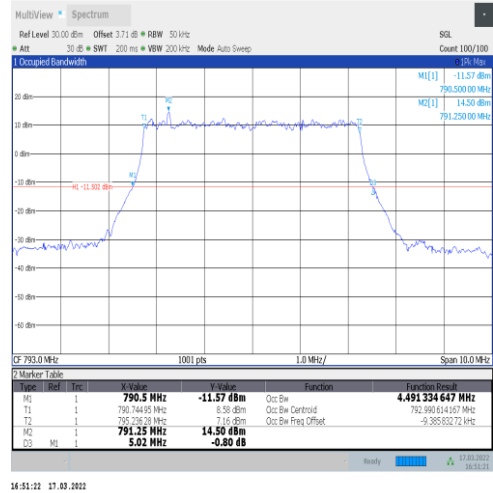
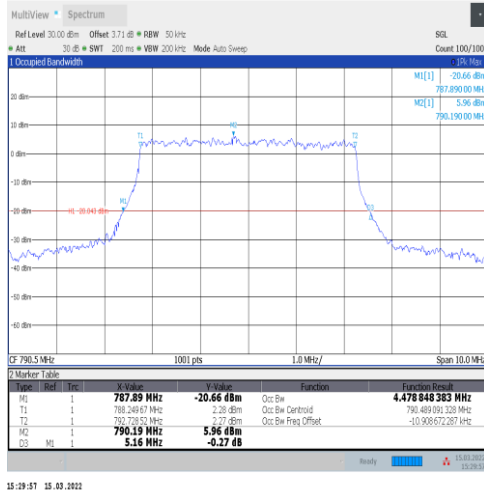
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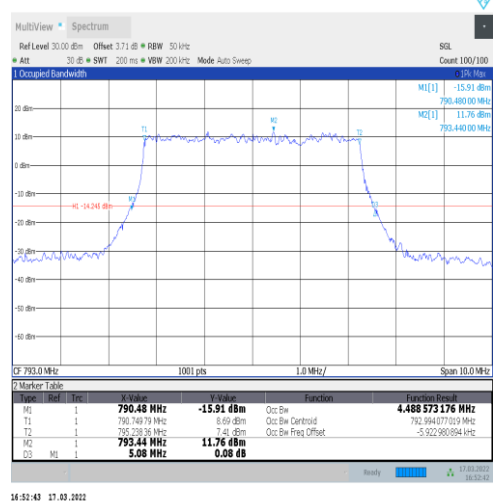
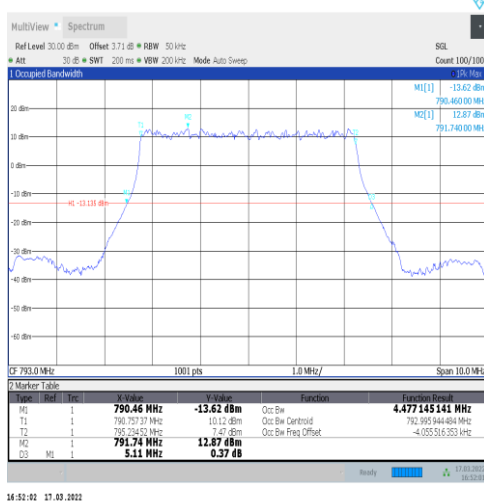
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4.479-5.160-≤5-PASS

1-N14-15-5-M-1-DFT-QPSK-Outer_Full-25@0-Ant1-
4.491-5.020-≤5-PASS



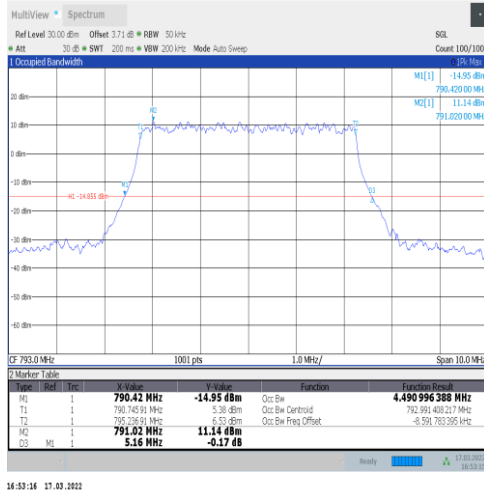
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-4.489-5.080-≤5-PASS

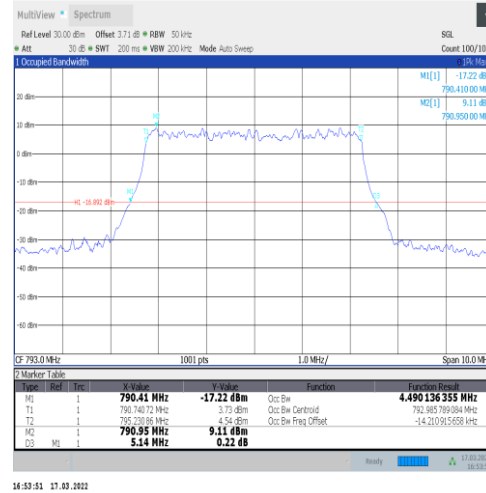
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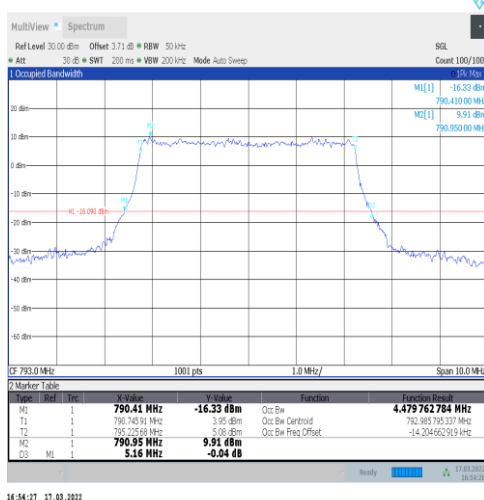
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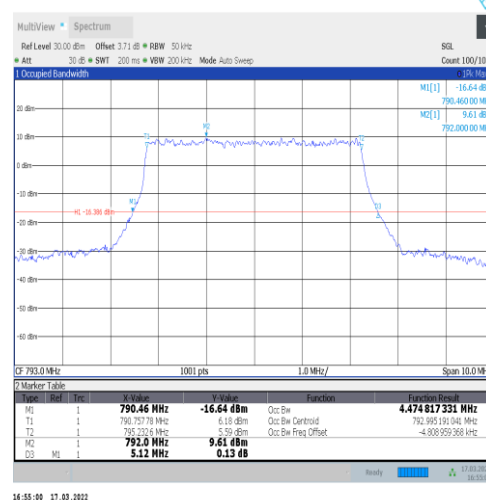
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-4.491-5.160-≤5-PASS



1-N14-15-5-M-5-DFT-256QAM-Outer_Full-25@0-Ant
1-4.49-5.140-≤5-PASS



1-N14-15-5-M-6-CP-QPSK-Outer_Full-25@0-Ant1-4.
48-5.160-≤5-PASS



1-N14-15-5-M-7-CP-16QAM-Outer_Full-25@0-Ant1-
4.475-5.120-≤5-PASS



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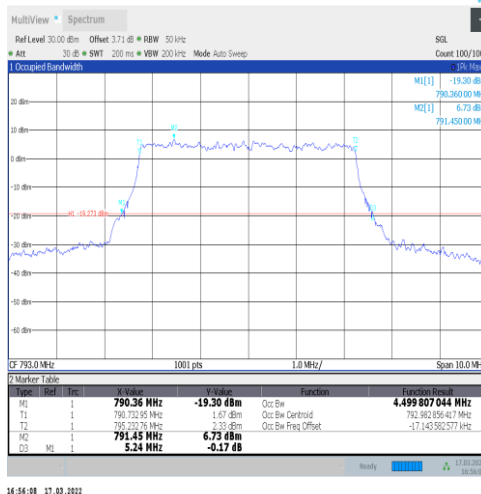
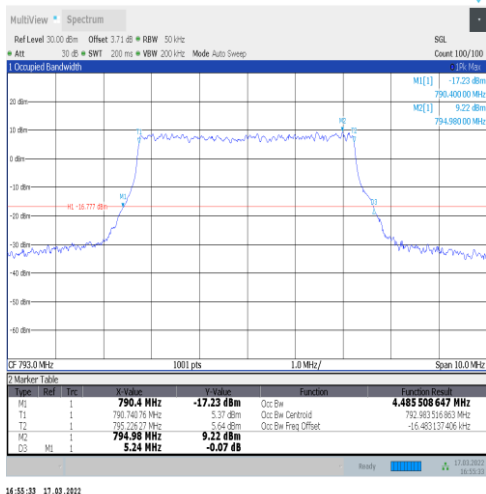
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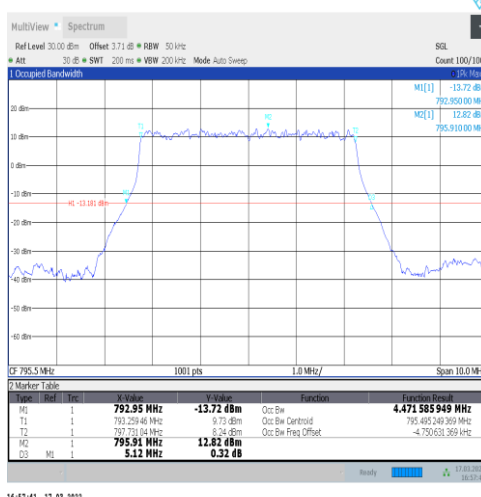
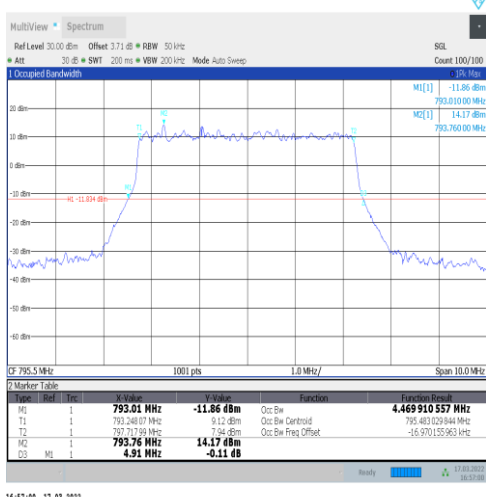
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1-N14-15-5-M-8-CP-64QAM-Outer_Full-25@0-Ant1-4.486-5.240-≤5-PASS

1-N14-15-5-M-9-CP-256QAM-Outer_Full-25@0-Ant1-4.459-5.240-≤5-PASS



1-N14-15-5-H-1-DFT-QPSK-Outer_Full-25@0-Ant1-4.474-4.910-≤5-PASS

1-N14-15-5-H-2-DFT-PI2BPSK-Outer_Full-25@0-Ant1-4.472-5.120-≤5-PASS



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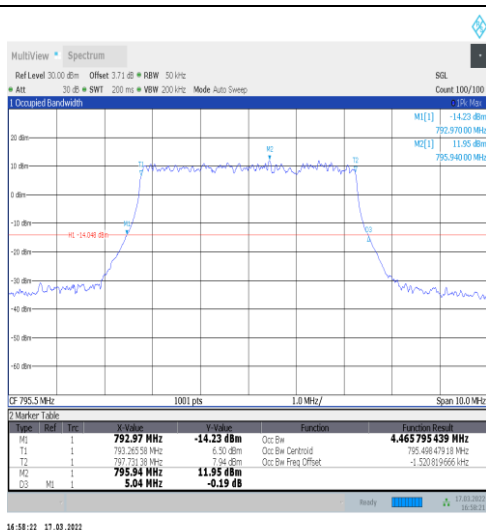
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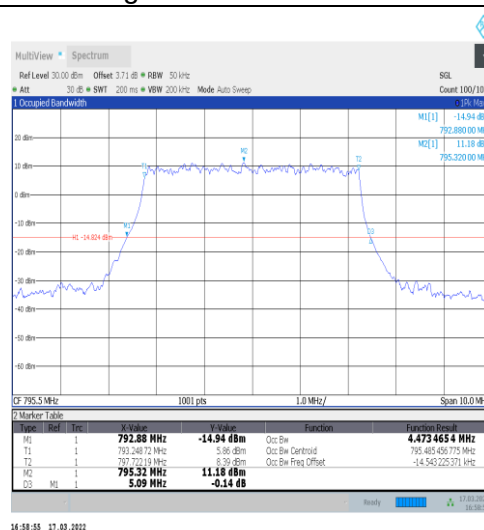
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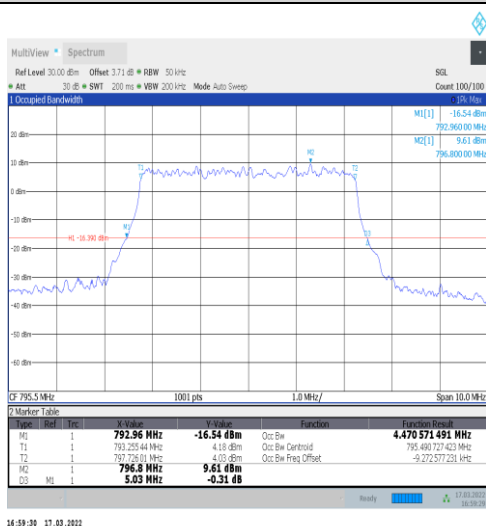
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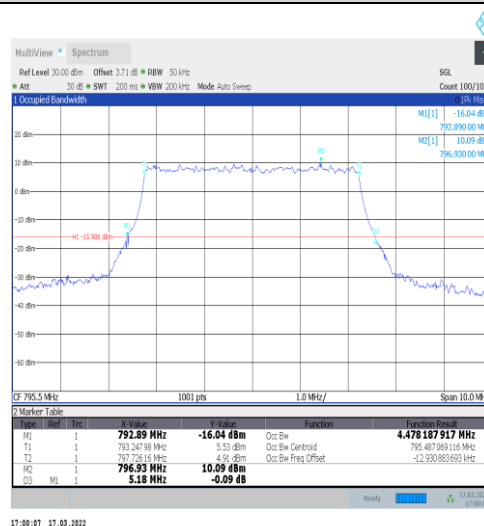
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1-N14-15-5-H-4-DFT-64QAM-Outer_Full-25@0-Ant1
-4.473-5.090-≤5-PASS



1-N14-15-5-H-5-DFT-256QAM-Outer_Full-25@0-Ant
1-4.471-5.030-≤5-PASS



1-N14-15-5-H-6-CP-QPSK-Outer_Full-25@0-Ant1-4.
478-5.180-≤5-PASS



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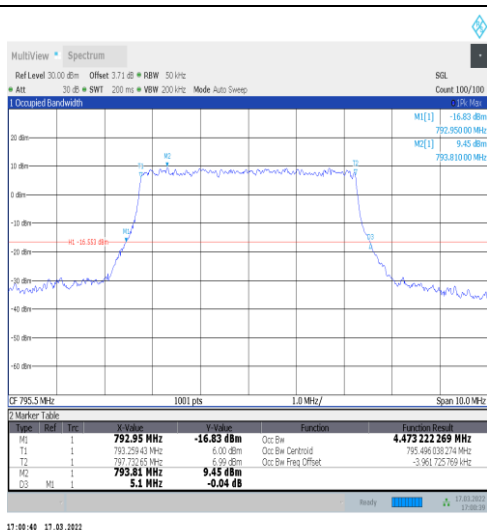
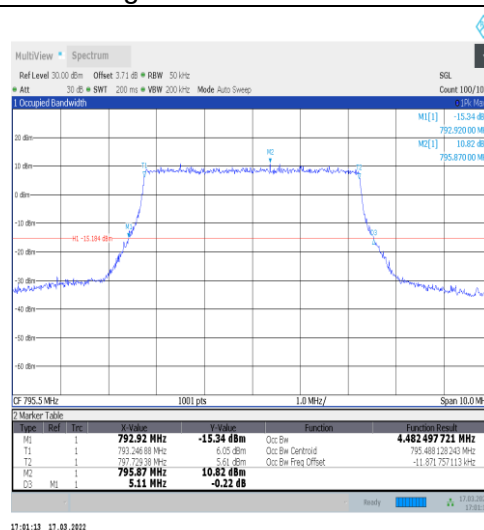
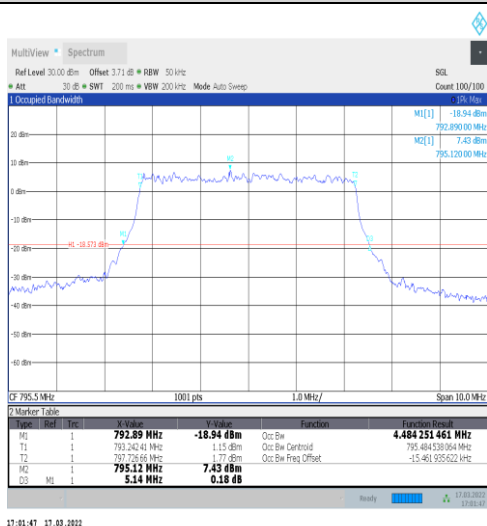
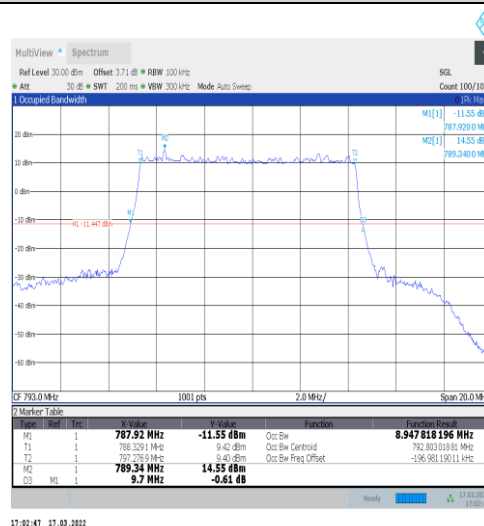
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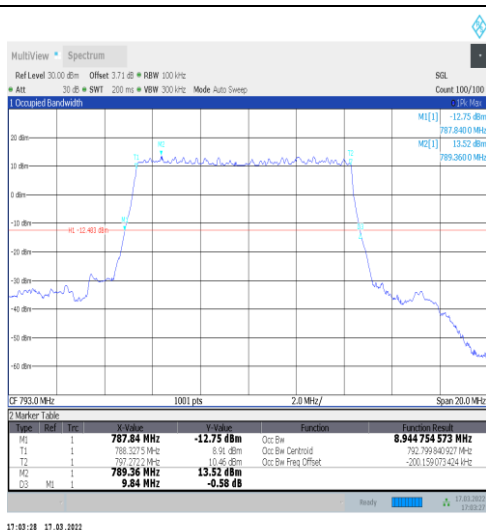
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4.482-5.110-≤5-PASS1-N14-15-5-H-9-CP-256QAM-Outer_Full-25@0-Ant1
-4.484-5.140-≤5-PASS1-N14-15-10-M-1-DFT-QPSK-Outer_Full-50@0-Ant1
-8.948-9.700-≤10-PASS

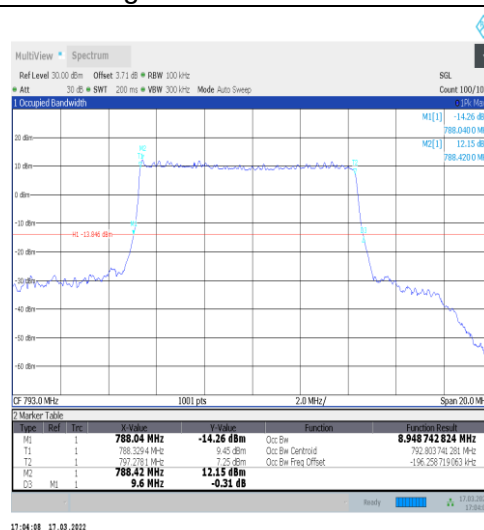
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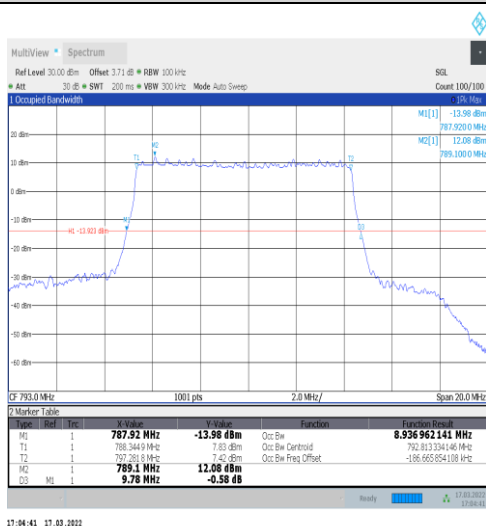
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1-N14-15-10-M-2-DFT-PI2BPSK-Outer_Full-50@0-A
nt1-8.945-9.840-≤10-PASS



1-N14-15-10-M-3-DFT-16QAM-Outer_Full-50@0-Ant
1-8.949-9.600-≤10-PASS



1-N14-15-10-M-4-DFT-64QAM-Outer_Full-50@0-Ant
1-8.937-9.780-≤10-PASS



1-N14-15-10-M-5-DFT-256QAM-Outer_Full-50@0-A
nt1-8.938-9.660-≤10-PASS



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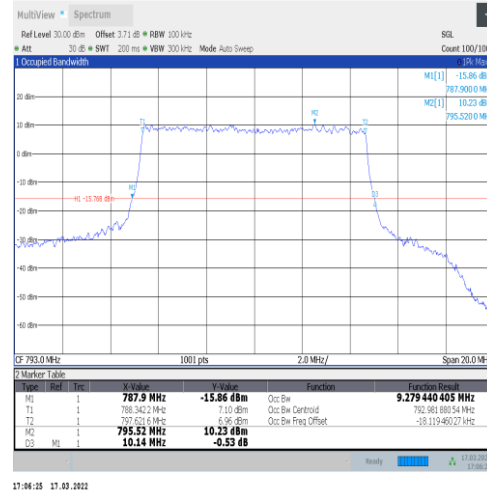
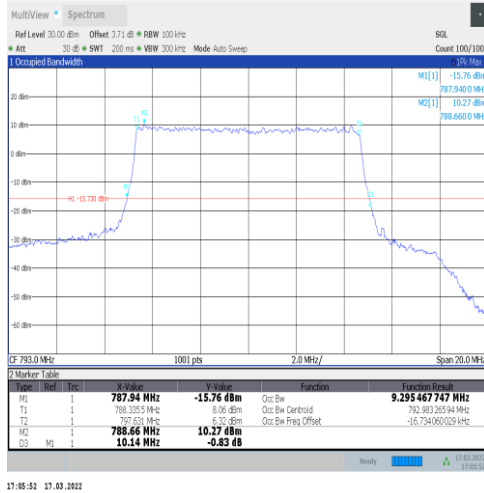
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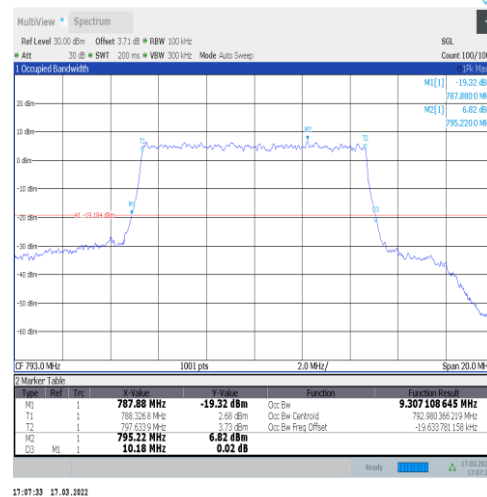
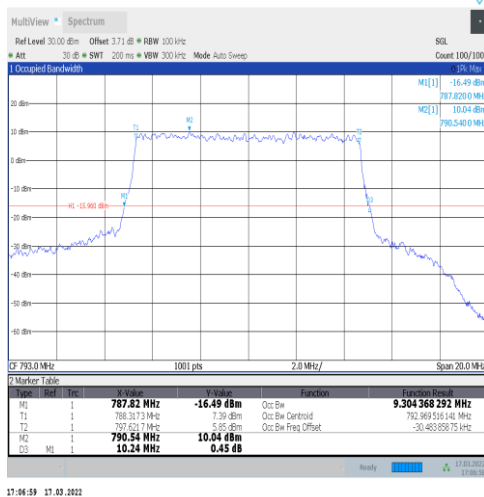
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1-N14-15-10-M-6-CP-QPSK-Outer_Full-52@0-Ant1-9.295-10.140-≤10-PASS

1-N14-15-10-M-7-CP-16QAM-Outer_Full-52@0-Ant1-9.279-10.140-≤10-PASS



1-N14-15-10-M-8-CP-64QAM-Outer_Full-52@0-Ant1-9.304-10.240-≤10-PASS

1-N14-15-10-M-9-CP-256QAM-Outer_Full-52@0-Ant1-9.307-10.180-≤10-PASS



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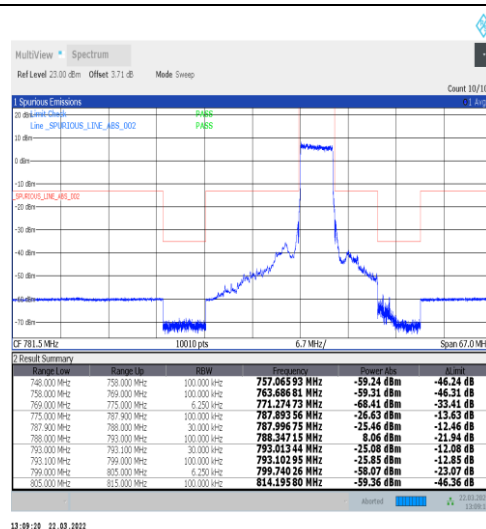
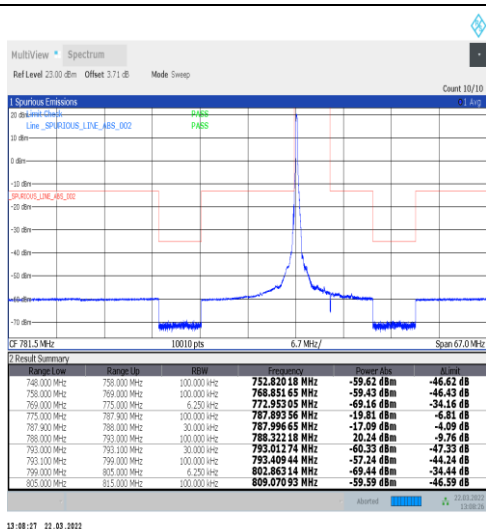
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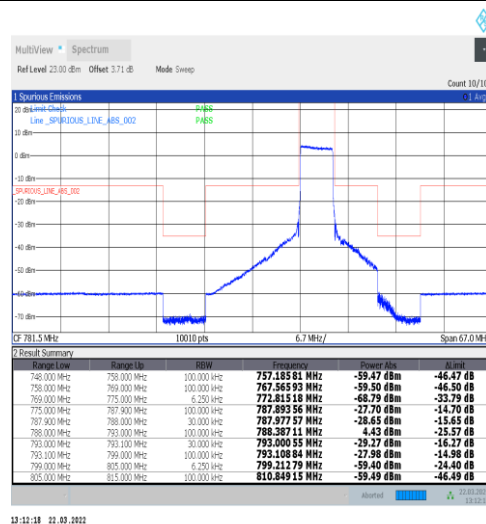
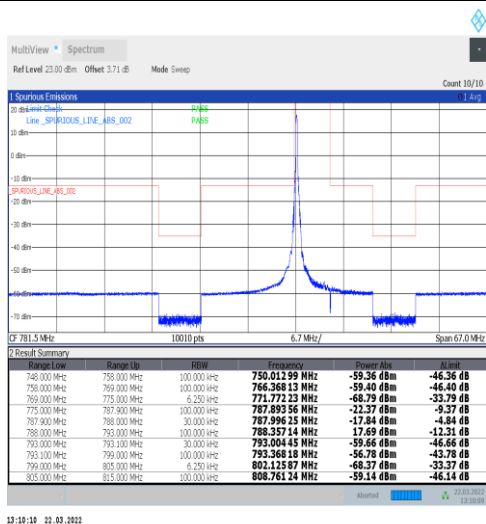
Band Edge for SA

Test Graphs



1-N14-15-5-L-1-DFT-PI2BPSK-Edge_1RB_Left-1@0-Ant1-PASS-see graph

1-N14-15-5-L-3-DFT-PI2BPSK-Outer_Full-25@0-Ant1-PASS-see graph



1-N14-15-5-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant1-PASS-see graph

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



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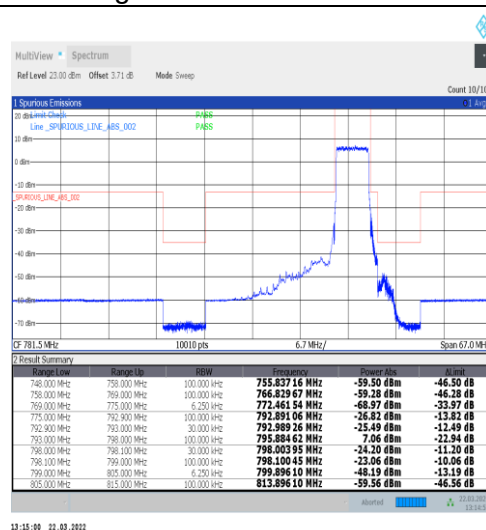
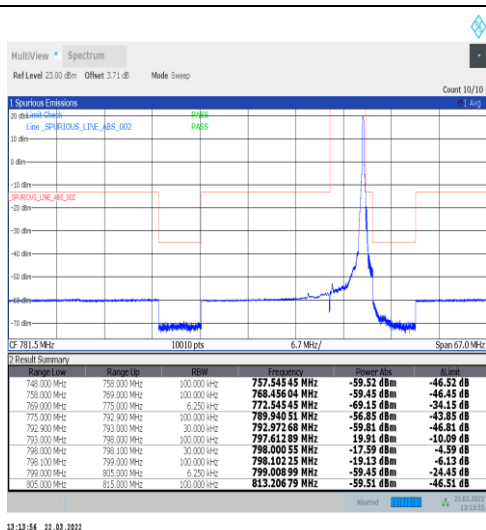
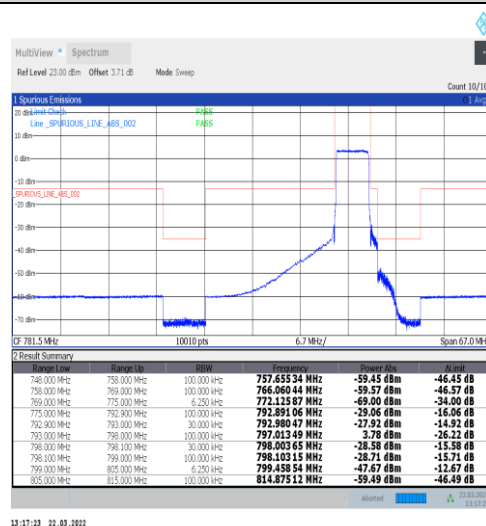
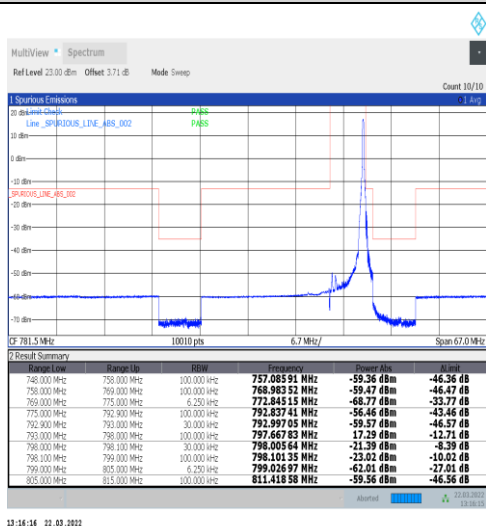
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1-N14-15-5-H-2-DFT-PI2BPSK-Edge_1RB_Right-1@2
4-Ant1-PASS-see graph1-N14-15-5-H-3-DFT-PI2BPSK-Outer_Full-25@0-A
nt1-PASS-see graph1-N14-15-5-H-5-CP-QPSK-Edge_1RB_Right-1@24-A
nt1-PASS-see graph

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



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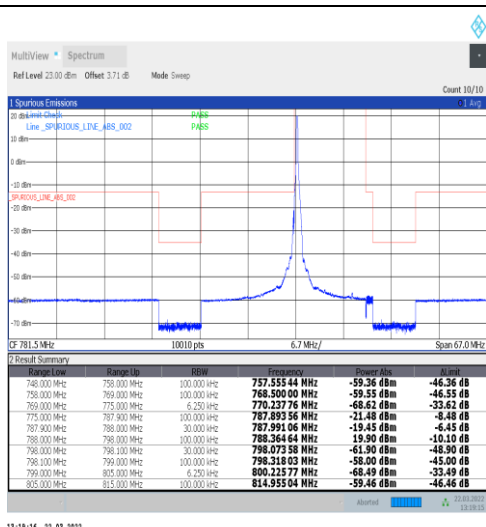
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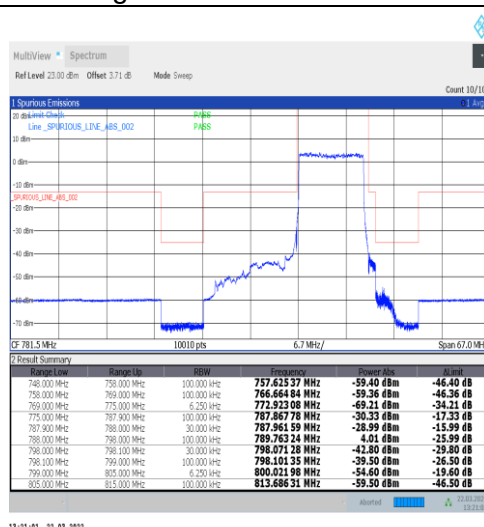
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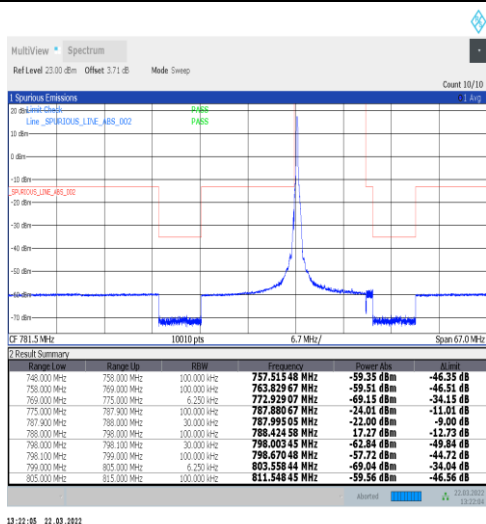
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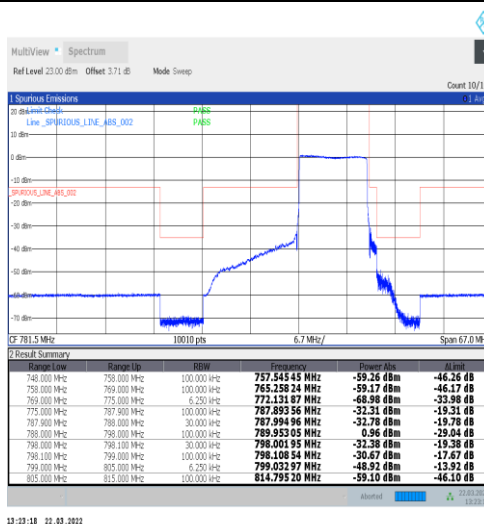
13-11-01 22.03.2022

1-N14-15-10-M-1-DFT-PI2BPSK-Edge_1RB_Left-1@0-Ant1-PASS-see graph

1-N14-15-10-M-2-DFT-PI2BPSK-Outer_Full-50@0-Ant1-PASS-see graph



13-12-05 22.03.2022



13-12-18 22.03.2022

1-N14-15-10-M-3-CP-QPSK-Edge_1RB_Left-1@0-Ant1-PASS-see graph

1-N14-15-10-M-4-CP-QPSK-Outer_Full-52@0-Ant1-PASS-see graph



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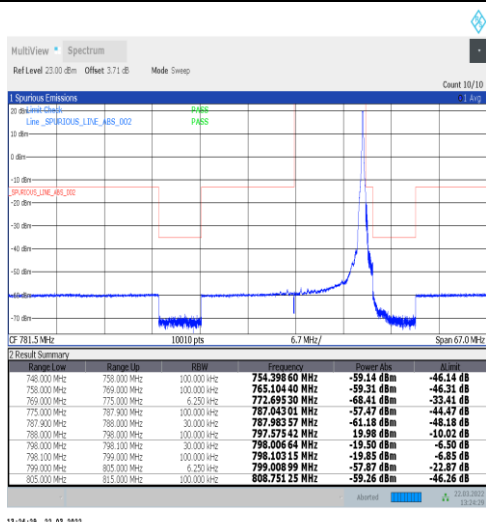
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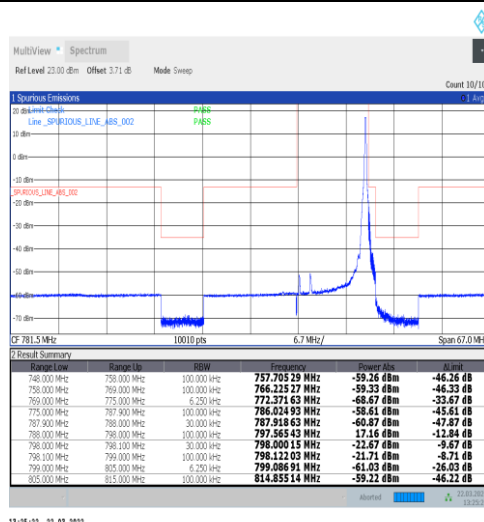
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1-N14-15-10-M-5-DFT-PI2BPSK-Edge_1RB_Right-1
@51-Ant1-PASS-see graph



1-N14-15-10-M-6-CP-QPSK-Edge_1RB_Right-1@
51-Ant1-PASS-see graph



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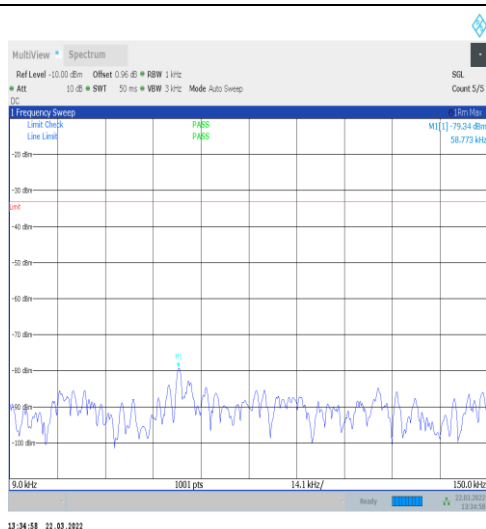
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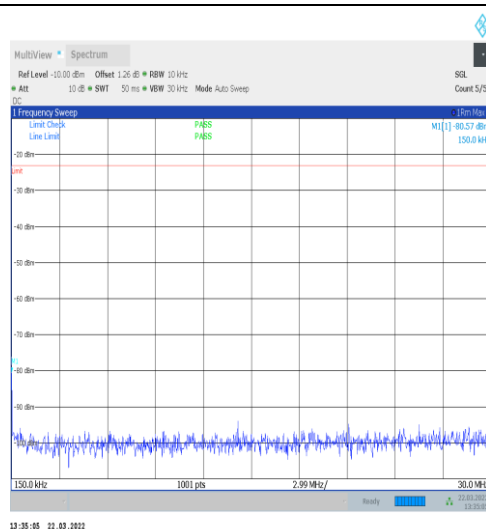
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Conducted Spurious Emission for SA

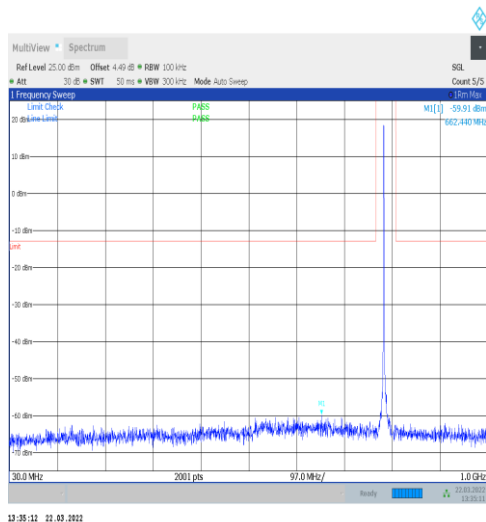
Test Graphs



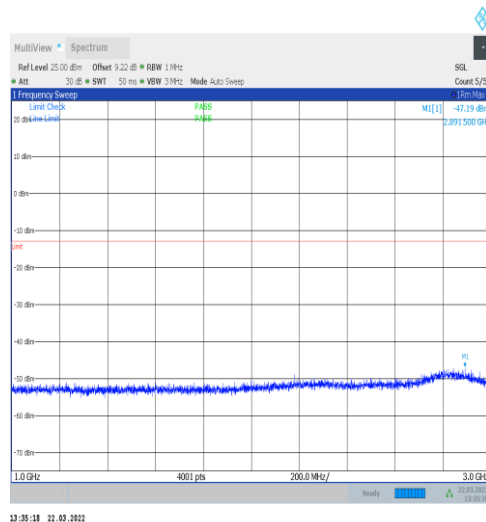
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1-N14-15-10-M-1-DFT-PI2BPSK-Inner_1RB_Left-1
@1-0.15-30-Ant1--80.57--23-PASS



1-N14-15-10-M-1-DFT-PI2BPSK-Inner_1RB_Left-1@
1-30-1000-Ant1--59.91--13-PASS



1-N14-15-10-M-1-DFT-PI2BPSK-Inner_1RB_Left-1
@1-1000-3000-Ant1--47.19--13-PASS



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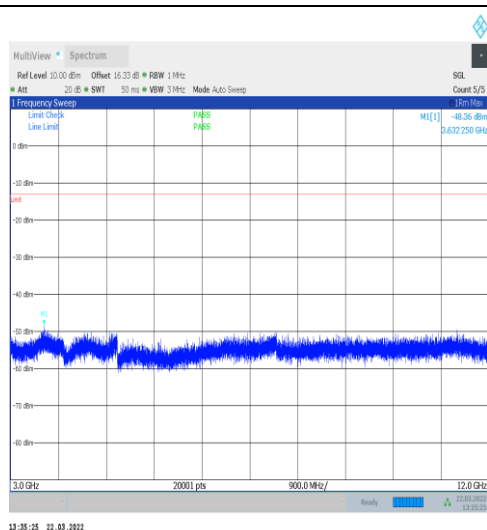
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1-N14-15-10-M-1-DFT-PI2BPSK-Inner_1RB_Left-1@
1-3000-12000-Ant1--48.36--13-PASS



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Field Strength of Spurious Radiation**Test Band = SA n14 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	1576.8889	83.85	-118.20	-34.35	-13.00	21.35	263	328	Horizontal
2	2365.7778	65.61	-115.23	-49.62	-13.00	36.62	111	224	Horizontal
3	3153.3333	64.25	-112.12	-47.87	-13.00	34.87	185	359	Horizontal
4	3942.95	49.88	-110.31	-60.43	-13.00	47.43	211	14	Horizontal
5	4731.54	50.86	-107.87	-57.01	-13.00	44.01	188	96	Horizontal
6	5520.13	49.56	-106.35	-56.79	-13.00	43.79	266	328	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1576.8889	67.65	-118.20	-50.55	-13.00	37.55	162	220	Vertical
2	2365.3333	63.79	-115.23	-51.44	-13.00	38.44	241	125	Vertical
3	3153.3333	55.62	-112.12	-56.50	-13.00	43.50	185	207	Vertical
4	3942.95	50.06	-110.31	-60.25	-13.00	47.25	264	230	Vertical
5	4731.54	50.13	-107.87	-57.74	-13.00	44.74	178	12	Vertical
6	5520.13	50.11	-106.35	-56.24	-13.00	43.24	267	313	Vertical



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Test Band = SA n14 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	52.47	-118.20	-65.73	-13.00	52.73	162	129	Horizontal
2	2365.02	51.62	-115.23	-63.61	-13.00	50.61	241	3	Horizontal
3	3153.36	52.19	-112.12	-59.93	-13.00	46.93	174	360	Horizontal
4	3941.7	50.33	-110.32	-59.99	-13.00	46.99	165	304	Horizontal
5	4730.04	49.14	-107.88	-58.74	-13.00	45.74	284	327	Horizontal
6	5518.38	50.31	-106.36	-56.05	-13.00	43.05	177	246	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1576.68	52.97	-118.20	-65.23	-13.00	52.23	321	357	Vertical
2	2365.02	51.18	-115.23	-64.05	-13.00	51.05	178	12	Vertical
3	3153.36	51.87	-112.12	-60.25	-13.00	47.25	265	277	Vertical
4	3941.7	50.09	-110.32	-60.23	-13.00	47.23	147	151	Vertical
5	4730.04	49.87	-107.88	-58.01	-13.00	45.01	185	140	Vertical
6	5518.38	50.94	-106.36	-55.42	-13.00	42.42	264	254	Vertical



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Test Band = SA n14 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	1581.3333	90.13	-118.19	-28.06	-13.00	15.06	241	235	Horizontal
2	2372.4444	73.42	-115.22	-41.80	-13.00	28.80	162	210	Horizontal
3	3162.6667	64.77	-112.10	-47.33	-13.00	34.33	217	246	Horizontal
4	3954.2	50.35	-110.28	-59.93	-13.00	46.93	299	84	Horizontal
5	4745.04	50.60	-107.85	-57.25	-13.00	44.25	175	348	Horizontal
6	5535.88	51.31	-106.29	-54.98	-13.00	41.98	265	355	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1582.2222	64.74	-118.19	-53.45	-13.00	40.45	264	85	Vertical
2	2372.52	54.78	-115.22	-60.44	-13.00	47.44	175	44	Vertical
3	3163.36	52.11	-112.09	-59.98	-13.00	46.98	264	136	Vertical
4	3954.2	49.10	-110.28	-61.18	-13.00	48.18	117	288	Vertical
5	4745.04	49.63	-107.85	-58.22	-13.00	45.22	244	277	Vertical
6	5535.88	49.98	-106.29	-56.31	-13.00	43.31	177	136	Vertical



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Test Band = SA n14 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	1587.1111	84.37	-118.19	-33.82	-13.00	20.82	241	256	Horizontal
2	2380	81.41	-115.20	-33.79	-13.00	20.79	162	94	Horizontal
3	3173.7778	64.20	-112.07	-47.87	-13.00	34.87	227	48	Horizontal
4	3966.6667	55.47	-110.25	-54.78	-13.00	41.78	175	164	Horizontal
5	4757.04	50.00	-107.83	-57.83	-13.00	44.83	265	210	Horizontal
6	5549.88	49.44	-106.23	-56.79	-13.00	43.79	182	210	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1586.2222	74.13	-118.19	-44.06	-13.00	31.06	263	12	Vertical
2	2380	72.45	-115.20	-42.75	-13.00	29.75	175	357	Vertical
3	3173.3333	60.69	-112.07	-51.38	-13.00	38.38	264	0	Vertical
4	3964.2	49.22	-110.26	-61.04	-13.00	48.04	174	231	Vertical
5	4757.04	51.29	-107.83	-56.54	-13.00	43.54	264	173	Vertical
6	5549.88	50.39	-106.23	-55.84	-13.00	42.84	247	288	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	6.600000	0.008323	PASS
N14	15	10	DFT-PI2BPSK	M	Outer_Full	VN	NT	5.000000	0.006305	PASS
N14	15	10	DFT-PI2BPSK	M	Outer_Full	VL	NT	5.600000	0.007062	PASS
N14	15	10	CP-QPSK	M	Outer_Full	VH	NT	2.000000	0.002522	PASS
N14	15	10	CP-QPSK	M	Outer_Full	VN	NT	1.700000	0.002144	PASS
N14	15	10	CP-QPSK	M	Outer_Full	VL	NT	3.400000	0.004288	PASS



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Frequency Error VS. Temperature

Temperature										
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation(Hz)	Deviation (ppm)	Verdict
N14	15	10	DFT-PI2BPSK	M	Outer_Full	NV	-30	3.700000	0.004666	PASS
N14	15	10	DFT-PI2BPSK	M	Outer_Full	NV	-20	2.600000	0.003279	PASS
N14	15	10	DFT-PI2BPSK	M	Outer_Full	NV	-10	3.900000	0.004918	PASS
N14	15	10	DFT-PI2BPSK	M	Outer_Full	NV	0	3.700000	0.004666	PASS
N14	15	10	DFT-PI2BPSK	M	Outer_Full	NV	10	5.100000	0.006431	PASS
N14	15	10	DFT-PI2BPSK	M	Outer_Full	NV	20	3.900000	0.004918	PASS
N14	15	10	DFT-PI2BPSK	M	Outer_Full	NV	30	1.200000	0.001513	PASS
N14	15	10	DFT-PI2BPSK	M	Outer_Full	NV	40	2.400000	0.003026	PASS
N14	15	10	DFT-PI2BPSK	M	Outer_Full	NV	50	3.000000	0.003783	PASS
N14	15	10	CP-QPSK	M	Outer_Full	NV	-30	1.600000	0.002018	PASS
N14	15	10	CP-QPSK	M	Outer_Full	NV	-20	1.800000	0.002270	PASS
N14	15	10	CP-QPSK	M	Outer_Full	NV	-10	2.800000	0.003531	PASS
N14	15	10	CP-QPSK	M	Outer_Full	NV	0	2.800000	0.003531	PASS
N14	15	10	CP-QPSK	M	Outer_Full	NV	10	3.700000	0.004666	PASS
N14	15	10	CP-QPSK	M	Outer_Full	NV	20	1.900000	0.002396	PASS
N14	15	10	CP-QPSK	M	Outer_Full	NV	30	3.100000	0.003909	PASS
N14	15	10	CP-QPSK	M	Outer_Full	NV	40	2.000000	0.002522	PASS
N14	15	10	CP-QPSK	M	Outer_Full	NV	50	2.800000	0.003531	PASS

The End



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