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Appendix B.26

NR Band n71



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Effective (Isotropic) Radiated Power Output Data for SA

Test Result

ANT1

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Power (dBm)	ERP (dBm)	Limit	Verdict
N71	15	5	DFT-QPSK	L	Inner_1RB_Left	24.17	20.32	34.77	PASS
N71	15	5	DFT-16QAM	L	Inner_1RB_Left	23.43	19.58	34.77	PASS
N71	15	5	DFT-QPSK	M	Inner_1RB_Left	24.34	20.49	34.77	PASS
N71	15	5	DFT-16QAM	M	Inner_1RB_Left	23.53	19.68	34.77	PASS
N71	15	5	DFT-QPSK	H	Inner_1RB_Left	24.12	20.27	34.77	PASS
N71	15	5	DFT-16QAM	H	Inner_1RB_Left	23.32	19.47	34.77	PASS
N71	15	10	DFT-QPSK	L	Inner_1RB_Left	24.12	20.27	34.77	PASS
N71	15	10	DFT-16QAM	L	Inner_1RB_Left	23.34	19.49	34.77	PASS
N71	15	10	DFT-QPSK	M	Inner_1RB_Left	24.28	20.43	34.77	PASS
N71	15	10	DFT-16QAM	M	Inner_1RB_Left	23.42	19.57	34.77	PASS
N71	15	10	DFT-QPSK	H	Inner_1RB_Left	24.19	20.34	34.77	PASS
N71	15	10	DFT-16QAM	H	Inner_1RB_Left	23.32	19.47	34.77	PASS
N71	15	15	DFT-QPSK	L	Inner_1RB_Left	24.05	20.20	34.77	PASS
N71	15	15	DFT-16QAM	L	Inner_1RB_Left	23.34	19.49	34.77	PASS
N71	15	15	DFT-QPSK	M	Inner_1RB_Left	24.25	20.40	34.77	PASS
N71	15	15	DFT-16QAM	M	Inner_1RB_Left	23.50	19.65	34.77	PASS
N71	15	15	DFT-QPSK	H	Inner_1RB_Left	24.17	20.32	34.77	PASS
N71	15	15	DFT-16QAM	H	Inner_1RB_Left	23.43	19.58	34.77	PASS
N71	15	20	DFT-PI2BPSK	L	Inner_1RB_Left	24.19	20.34	34.77	PASS
N71	15	20	DFT-PI2BPSK	L	Inner_1RB_Right	24.34	20.49	34.77	PASS
N71	15	20	DFT-PI2BPSK	L	Outer_Full	23.87	20.02	34.77	PASS
N71	15	20	DFT-QPSK	L	Inner_1RB_Left	24.44	20.59	34.77	PASS
N71	15	20	DFT-QPSK	L	Inner_1RB_Right	24.52	20.67	34.77	PASS
N71	15	20	DFT-QPSK	L	Outer_Full	23.39	19.54	34.77	PASS
N71	15	20	DFT-16QAM	L	Inner_1RB_Left	23.41	19.56	34.77	PASS
N71	15	20	DFT-16QAM	L	Inner_1RB_Right	23.42	19.57	34.77	PASS
N71	15	20	DFT-16QAM	L	Outer_Full	22.34	18.49	34.77	PASS
N71	15	20	DFT-64QAM	L	Inner_1RB_Left	21.42	17.57	34.77	PASS
N71	15	20	DFT-64QAM	L	Inner_1RB_Right	21.56	17.71	34.77	PASS



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N71	15	20	DFT-64QAM	L	Outer_Full	21.86	18.01	34.77	PASS
N71	15	20	DFT-256QAM	L	Inner_1RB_Left	19.78	15.93	34.77	PASS
N71	15	20	DFT-256QAM	L	Inner_1RB_Right	19.98	16.13	34.77	PASS
N71	15	20	DFT-256QAM	L	Outer_Full	19.84	15.99	34.77	PASS
N71	15	20	DFT-PI2BPSK	M	Inner_1RB_Left	24.32	20.47	34.77	PASS
N71	15	20	DFT-PI2BPSK	M	Inner_1RB_Right	24.38	20.53	34.77	PASS
N71	15	20	DFT-PI2BPSK	M	Outer_Full	23.93	20.08	34.77	PASS
N71	15	20	DFT-QPSK	M	Inner_1RB_Left	24.50	20.65	34.77	PASS
N71	15	20	DFT-QPSK	M	Inner_1RB_Right	24.43	20.58	34.77	PASS
N71	15	20	DFT-QPSK	M	Outer_Full	23.37	19.52	34.77	PASS
N71	15	20	DFT-16QAM	M	Inner_1RB_Left	23.50	19.65	34.77	PASS
N71	15	20	DFT-16QAM	M	Inner_1RB_Right	23.44	19.59	34.77	PASS
N71	15	20	DFT-16QAM	M	Outer_Full	22.40	18.55	34.77	PASS
N71	15	20	DFT-64QAM	M	Inner_1RB_Left	21.51	17.66	34.77	PASS
N71	15	20	DFT-64QAM	M	Inner_1RB_Right	21.51	17.66	34.77	PASS
N71	15	20	DFT-64QAM	M	Outer_Full	21.85	18.00	34.77	PASS
N71	15	20	DFT-256QAM	M	Inner_1RB_Left	19.90	16.05	34.77	PASS
N71	15	20	DFT-256QAM	M	Inner_1RB_Right	19.87	16.02	34.77	PASS
N71	15	20	DFT-256QAM	M	Outer_Full	19.88	16.03	34.77	PASS
N71	15	20	DFT-PI2BPSK	H	Inner_1RB_Left	24.41	20.56	34.77	PASS
N71	15	20	DFT-PI2BPSK	H	Inner_1RB_Right	24.28	20.43	34.77	PASS
N71	15	20	DFT-PI2BPSK	H	Outer_Full	23.88	20.03	34.77	PASS
N71	15	20	DFT-QPSK	H	Inner_1RB_Left	24.56	20.71	34.77	PASS
N71	15	20	DFT-QPSK	H	Inner_1RB_Right	24.48	20.63	34.77	PASS
N71	15	20	DFT-QPSK	H	Outer_Full	23.36	19.51	34.77	PASS
N71	15	20	DFT-16QAM	H	Inner_1RB_Left	23.53	19.68	34.77	PASS
N71	15	20	DFT-16QAM	H	Inner_1RB_Right	23.42	19.57	34.77	PASS
N71	15	20	DFT-16QAM	H	Outer_Full	22.36	18.51	34.77	PASS
N71	15	20	DFT-64QAM	H	Inner_1RB_Left	21.55	17.70	34.77	PASS
N71	15	20	DFT-64QAM	H	Inner_1RB_Right	21.48	17.63	34.77	PASS
N71	15	20	DFT-64QAM	H	Outer_Full	21.83	17.98	34.77	PASS
N71	15	20	DFT-256QAM	H	Inner_1RB_Left	20.04	16.19	34.77	PASS
N71	15	20	DFT-256QAM	H	Inner_1RB_Right	19.93	16.08	34.77	PASS
N71	15	20	DFT-256QAM	H	Outer_Full	19.89	16.04	34.77	PASS



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Peak-to-Average Ratio for SA

Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result	Limit	Verdict
N71	15	20	DFT-256QAM	L	Outer_Full	8.92	≤13	PASS
N71	15	20	CP-256QAM	L	Outer_Full	9.50	≤13	PASS
N71	15	20	DFT-256QAM	M	Outer_Full	8.90	≤13	PASS
N71	15	20	CP-256QAM	M	Outer_Full	9.20	≤13	PASS
N71	15	20	DFT-256QAM	H	Outer_Full	9.10	≤13	PASS
N71	15	20	CP-256QAM	H	Outer_Full	9.39	≤13	PASS



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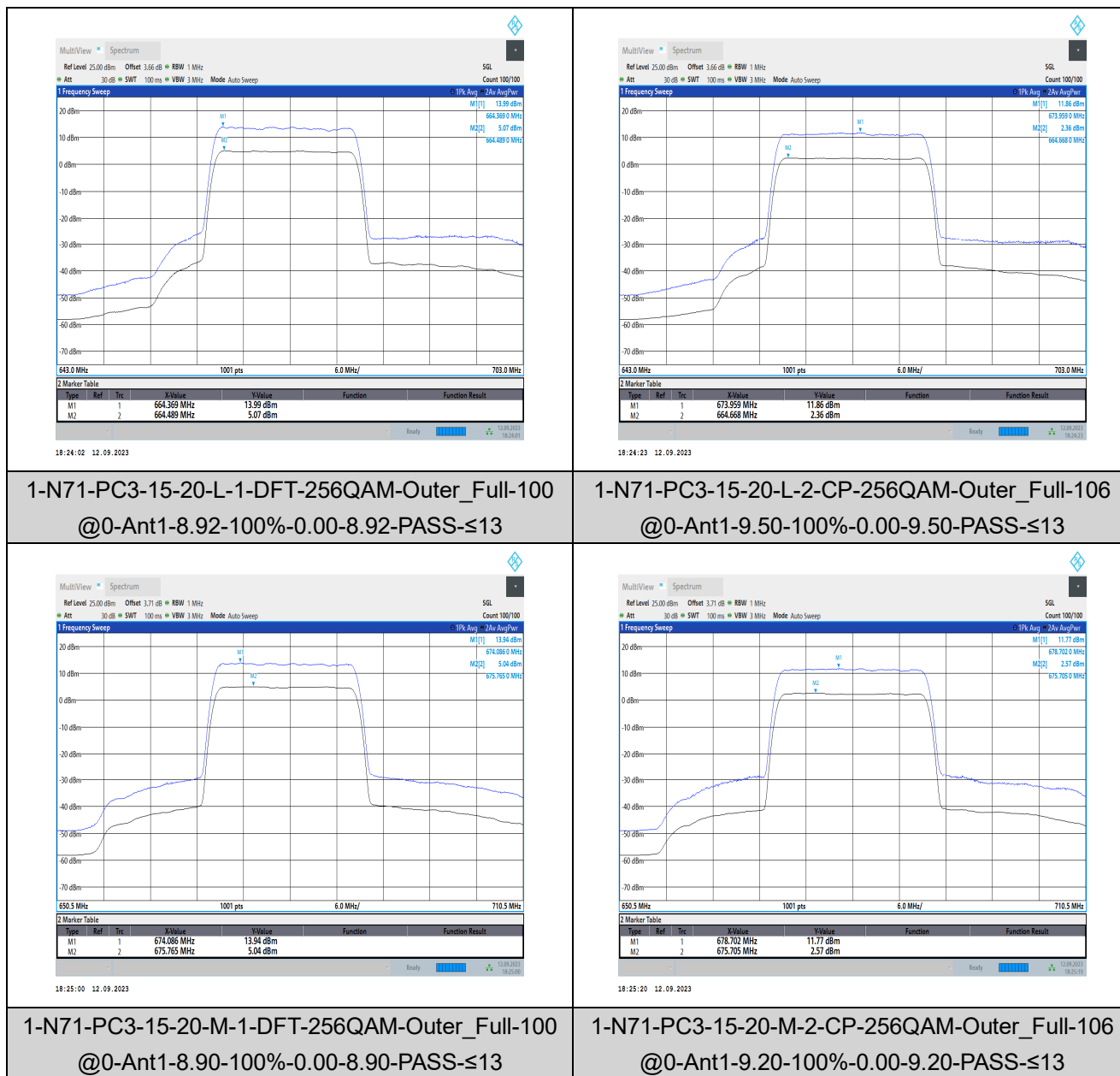
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Test Graphs



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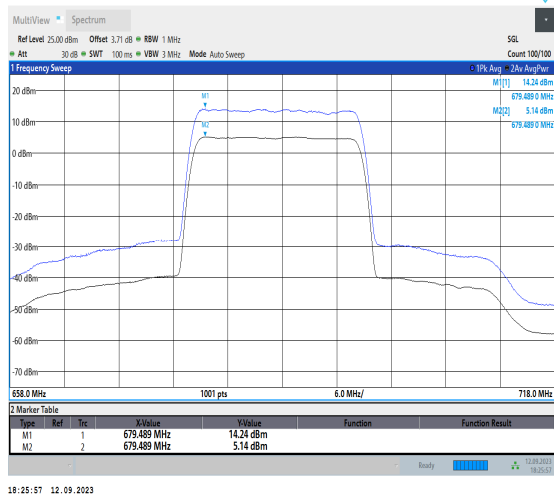
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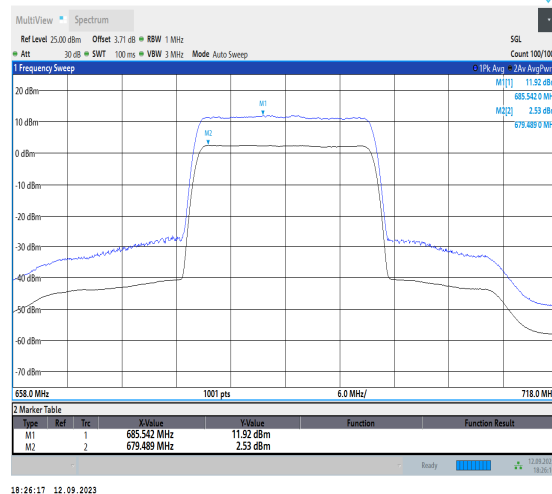
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1-N71-PC3-15-20-H-1-DFT-256QAM-Outet_Full-100
@0-Ant1-9.10-100%-0.00-9.10-PASS-≤13



1-N71-PC3-15-20-H-2-CP-256QAM-Outet_Full-106
@0-Ant1-9.39-100%-0.00-9.39-PASS-≤13



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26dB Bandwidth and Occupied Bandwidth for SA

Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result (99%)	Result (26dB)	Verdict
N71	15	5	DFT-QPSK	M	Outer_Full	4.466	4.750	PASS
N71	15	5	DFT-PI2BPSK	M	Outer_Full	4.479	4.800	PASS
N71	15	5	DFT-16QAM	M	Outer_Full	4.475	4.790	PASS
N71	15	5	DFT-64QAM	M	Outer_Full	4.46	4.750	PASS
N71	15	5	DFT-256QAM	M	Outer_Full	4.45	4.760	PASS
N71	15	5	CP-QPSK	M	Outer_Full	4.468	4.820	PASS
N71	15	5	CP-16QAM	M	Outer_Full	4.469	4.790	PASS
N71	15	5	CP-64QAM	M	Outer_Full	4.47	4.800	PASS
N71	15	5	CP-256QAM	M	Outer_Full	4.485	4.800	PASS
N71	15	10	DFT-QPSK	M	Outer_Full	8.896	9.380	PASS
N71	15	10	DFT-PI2BPSK	M	Outer_Full	8.921	9.360	PASS
N71	15	10	DFT-16QAM	M	Outer_Full	8.914	9.320	PASS
N71	15	10	DFT-64QAM	M	Outer_Full	8.915	9.380	PASS
N71	15	10	DFT-256QAM	M	Outer_Full	8.911	9.360	PASS
N71	15	10	CP-QPSK	M	Outer_Full	9.283	9.720	PASS
N71	15	10	CP-16QAM	M	Outer_Full	9.295	9.740	PASS
N71	15	10	CP-64QAM	M	Outer_Full	9.277	9.760	PASS
N71	15	10	CP-256QAM	M	Outer_Full	9.286	9.720	PASS
N71	15	15	DFT-QPSK	M	Outer_Full	13.436	14.130	PASS
N71	15	15	DFT-PI2BPSK	M	Outer_Full	13.411	14.070	PASS
N71	15	15	DFT-16QAM	M	Outer_Full	13.407	14.070	PASS
N71	15	15	DFT-64QAM	M	Outer_Full	13.415	14.130	PASS
N71	15	15	DFT-256QAM	M	Outer_Full	13.422	14.100	PASS
N71	15	15	CP-QPSK	M	Outer_Full	14.136	14.790	PASS
N71	15	15	CP-16QAM	M	Outer_Full	14.135	14.790	PASS
N71	15	15	CP-64QAM	M	Outer_Full	14.121	14.790	PASS
N71	15	15	CP-256QAM	M	Outer_Full	14.103	14.790	PASS
N71	15	20	DFT-QPSK	M	Outer_Full	17.898	18.640	PASS
N71	15	20	DFT-PI2BPSK	M	Outer_Full	17.852	18.640	PASS
N71	15	20	DFT-16QAM	M	Outer_Full	17.845	18.640	PASS



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N71	15	20	DFT-64QAM	M	Outer_Full	17.868	18.720	PASS
N71	15	20	DFT-256QAM	M	Outer_Full	17.904	18.640	PASS
N71	15	20	CP-QPSK	M	Outer_Full	18.912	19.760	PASS
N71	15	20	CP-16QAM	M	Outer_Full	18.876	19.680	PASS
N71	15	20	CP-64QAM	M	Outer_Full	18.948	19.680	PASS
N71	15	20	CP-256QAM	M	Outer_Full	18.936	19.760	PASS



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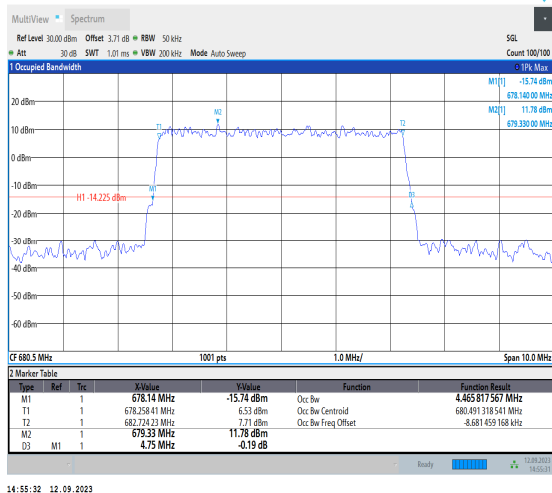
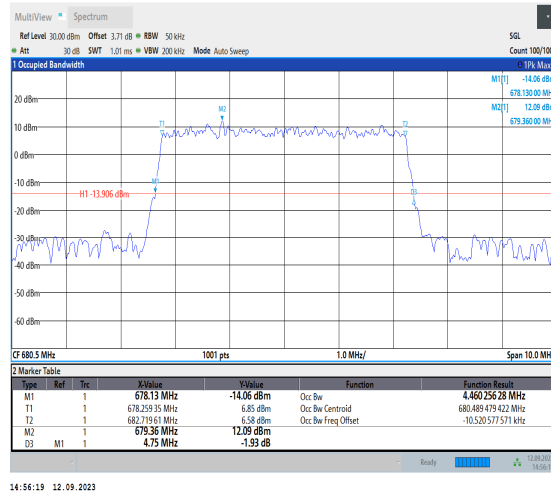
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Test Graphs

1-N71-PC3-15-5-M-1-DFT-QPSK-Outer_Full-25@0-
Ant1-4.466-4.750-≤5-PASS1-N71-PC3-15-5-M-2-DFT-PI2BPSK-Outer_Full-25
@0-Ant1-4.479-4.800-≤5-PASS1-N71-PC3-15-5-M-3-DFT-16QAM-Outer_Full-25@0-
-Ant1-4.475-4.790-≤5-PASS1-N71-PC3-15-5-M-4-DFT-64QAM-Outer_Full-25@0-
-Ant1-4.46-4.750-≤5-PASSSGS-CSTC Standards Technical Services (Suzhou) Co., Ltd.
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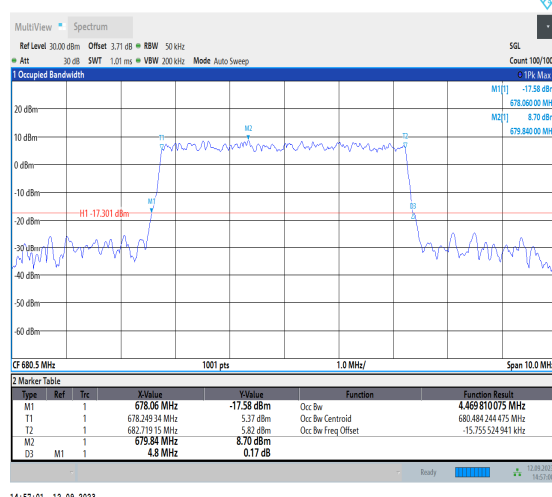
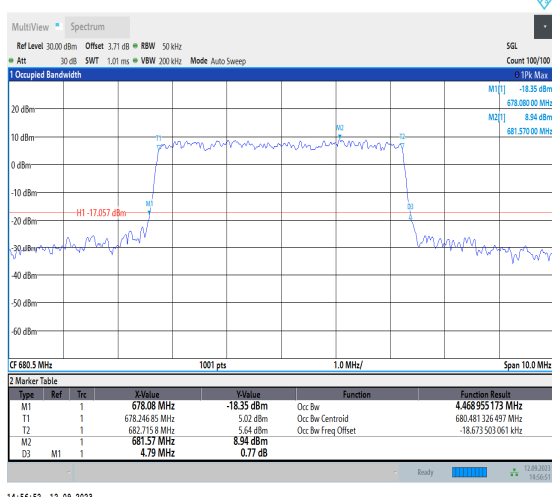
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1-N71-PC3-15-5-M-5-DFT-256QAM-Outer_Full-25@0-Ant1-4.45-4.760-≤5-PASS

1-N71-PC3-15-5-M-6-CP-QPSK-Outer_Full-25@0-Ant1-4.468-4.820-≤5-PASS



1-N71-PC3-15-5-M-7-CP-16QAM-Outer_Full-25@0-Ant1-4.469-4.790-≤5-PASS

1-N71-PC3-15-5-M-8-CP-64QAM-Outer_Full-25@0-Ant1-4.47-4.800-≤5-PASS



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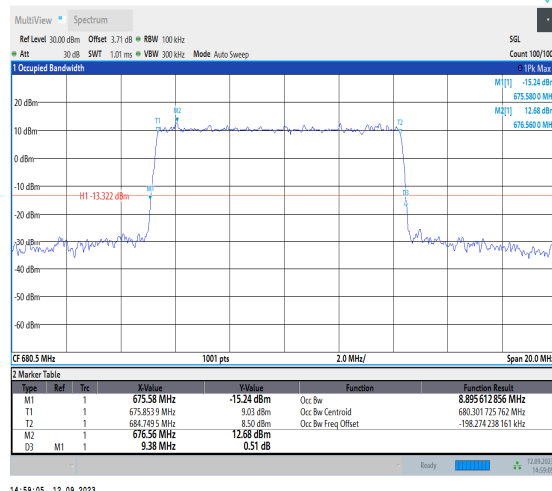
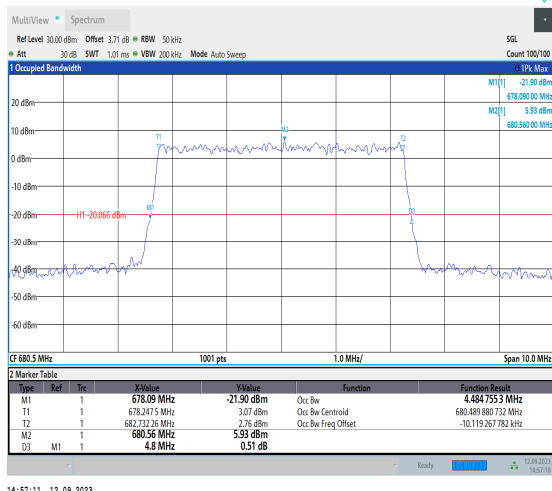
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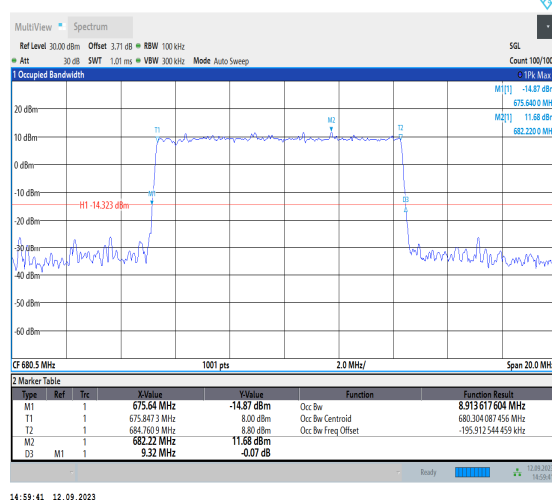
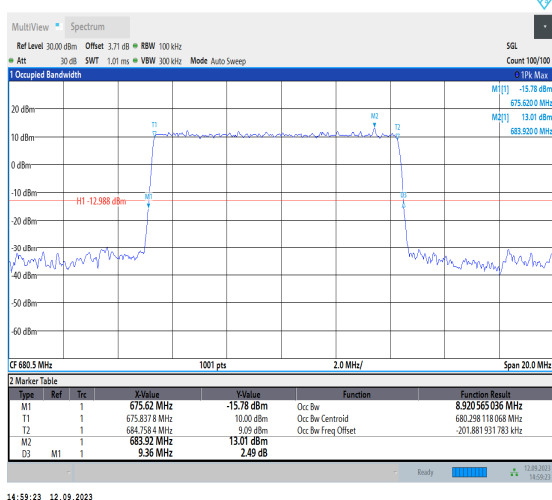
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1-N71-PC3-15-5-M-9-CP-256QAM-Outer_Full-25@0
-Ant1-4.485-4.800-≤5-PASS

1-N71-PC3-15-10-M-1-DFT-QPSK-Outer_Full-50@0
-Ant1-8.896-9.380-≤10-PASS



1-N71-PC3-15-10-M-2-DFT-PI2BPSK-Outer_Full-50@0-Ant1-8.921-9.360-≤10-PASS

1-N71-PC3-15-10-M-3-DFT-16QAM-Outer_Full-50@0-Ant1-8.914-9.320-≤10-PASS



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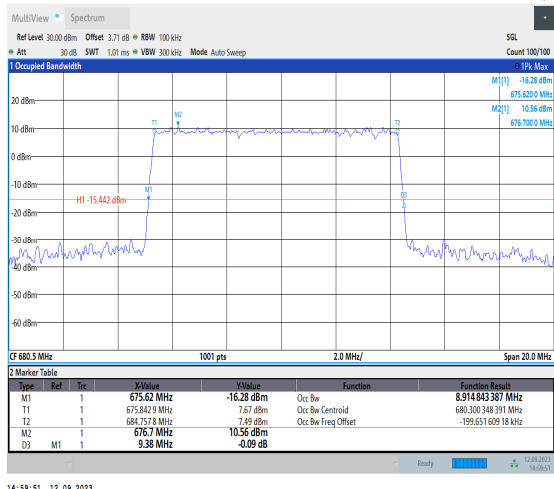
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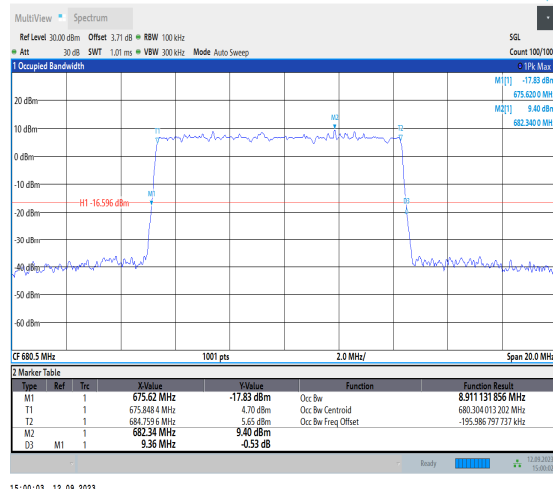
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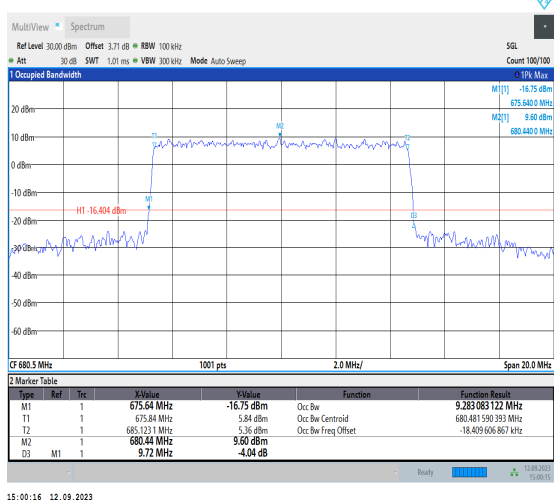
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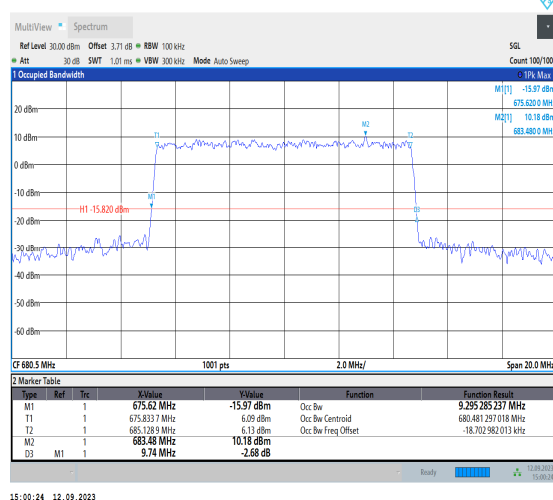
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1-N71-PC3-15-10-M-5-DFT-256QAM-Outer_Full-50
@0-Ant1-8.911-9.360-≤10-PASS



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15:00:24 12.09.2023

1-N71-PC3-15-10-M-6-CP-QPSK-Outer_Full-52@0-
Ant1-9.283-9.720-≤10-PASS

1-N71-PC3-15-10-M-7-CP-16QAM-Outer_Full-52@0-
-Ant1-9.295-9.740-≤10-PASS



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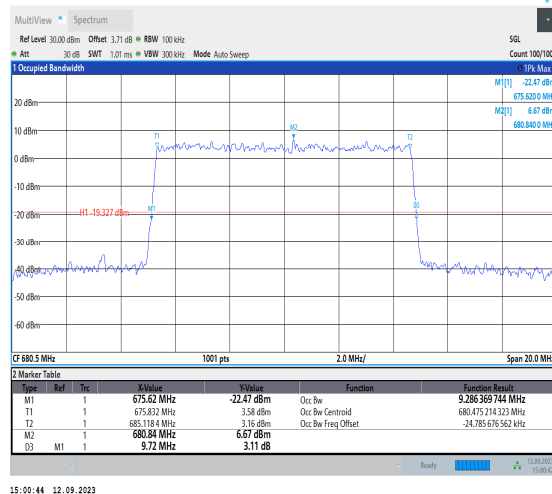
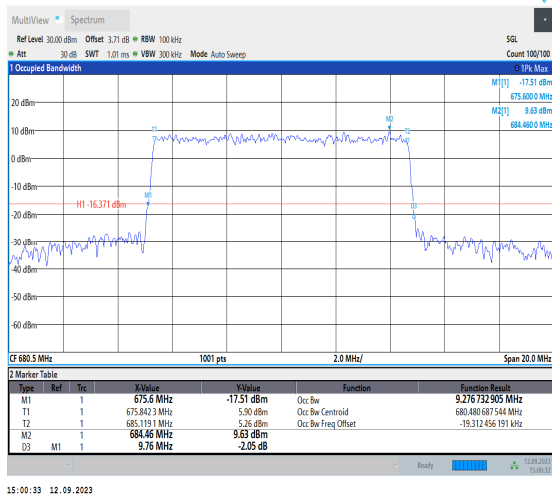
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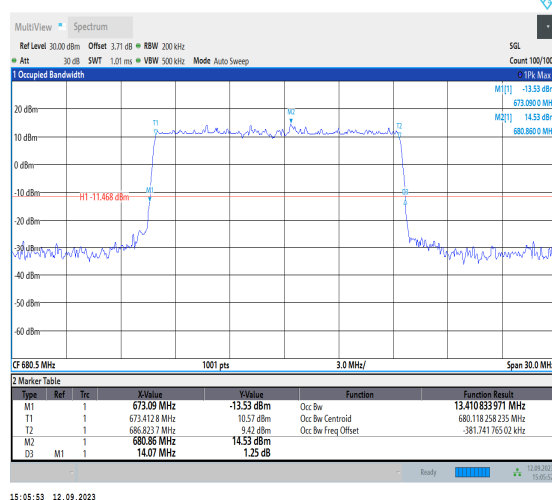
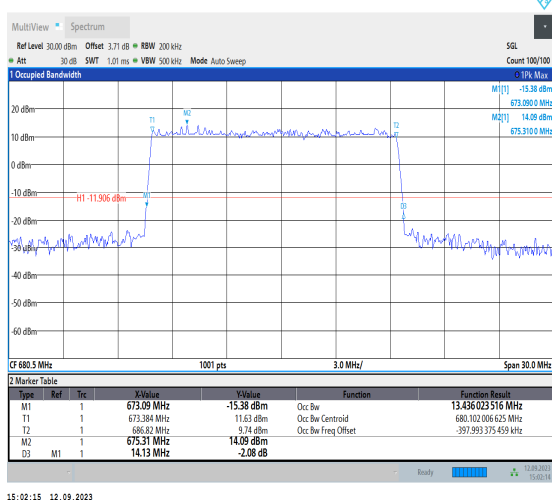
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1-N71-PC3-15-10-M-8-CP-64QAM-Outer_Full-52@0
-Ant1-9.277-9.760-≤10-PASS

1-N71-PC3-15-10-M-9-CP-256QAM-Outer_Full-52@0
-Ant1-9.286-9.720-≤10-PASS



1-N71-PC3-15-15-M-1-DFT-QPSK-Outer_Full-75@0
-Ant1-13.436-14.130-≤15-PASS

1-N71-PC3-15-15-M-2-DFT-PI2BPSK-Outer_Full-75@0-Ant1-13.411-14.070-≤15-PASS



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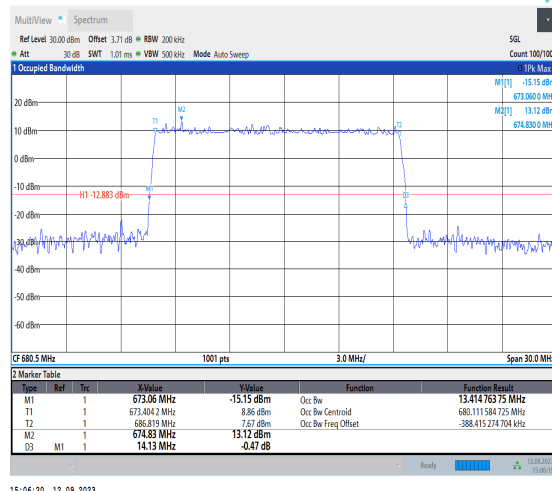
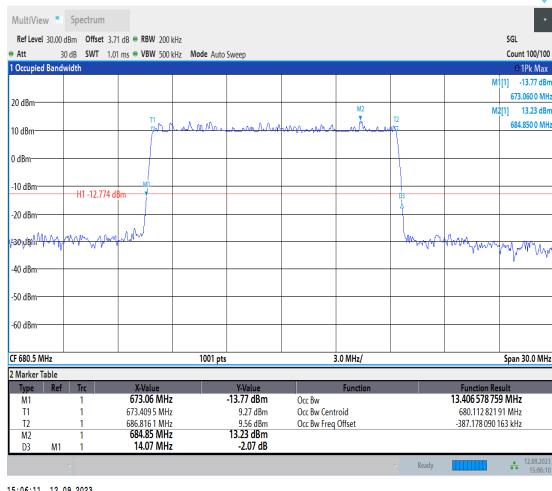
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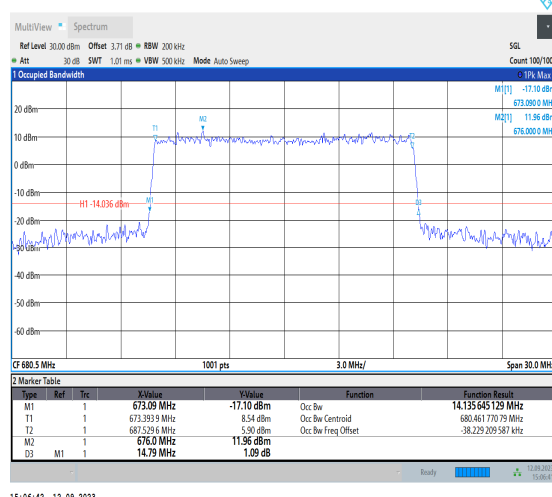
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1-N71-PC3-15-15-M-4-DFT-64QAM-Outer_Full-75@
0-Ant1-13.415-14.130-≤15-PASS



1-N71-PC3-15-15-M-5-DFT-256QAM-Outer_Full-75
@0-Ant1-13.422-14.100-≤15-PASS

1-N71-PC3-15-15-M-6-CP-QPSK-Outer_Full-79@0-
Ant1-14.136-14.790-≤15-PASS



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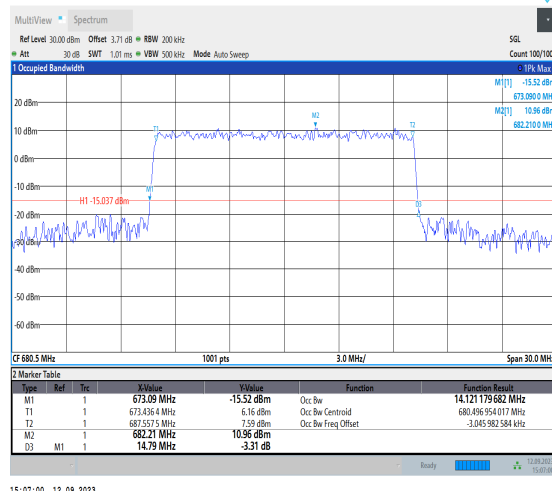
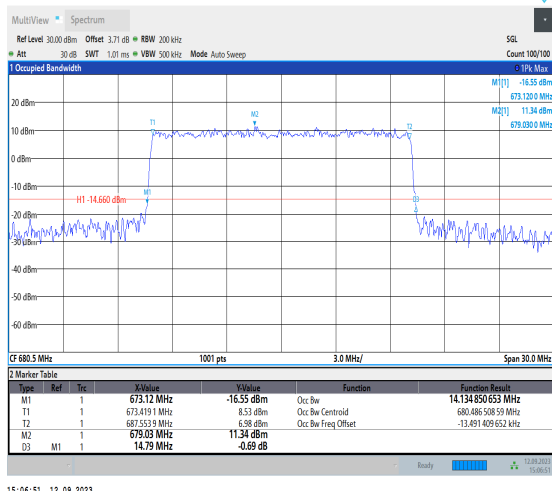
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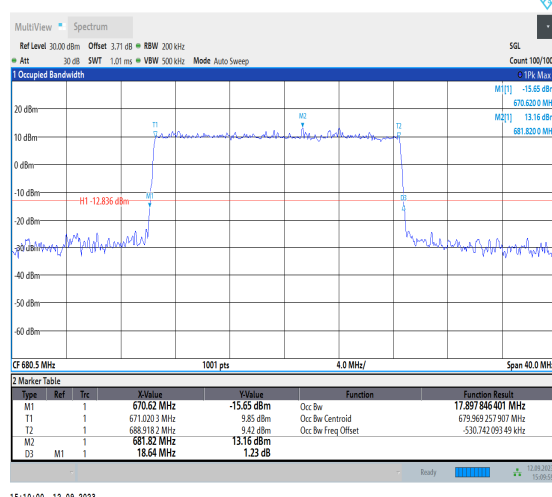
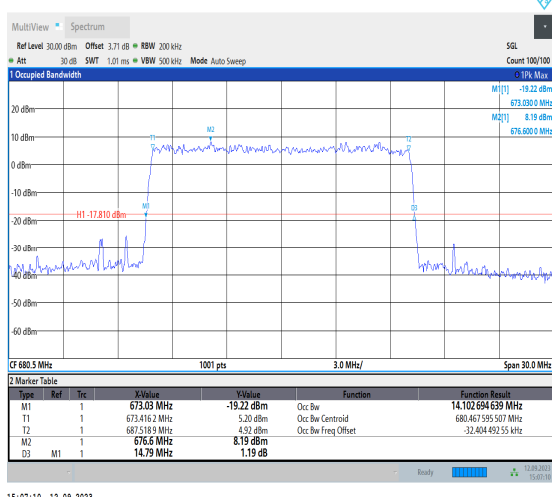
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-Ant1-14.121-14.790-≤15-PASS



1-N71-PC3-15-15-M-9-CP-256QAM-Outer_Full-79@0
0-Ant1-14.103-14.790-≤15-PASS

1-N71-PC3-15-20-M-1-DFT-QPSK-Outer_Full-100@0
0-Ant1-17.898-18.640-≤20-PASS



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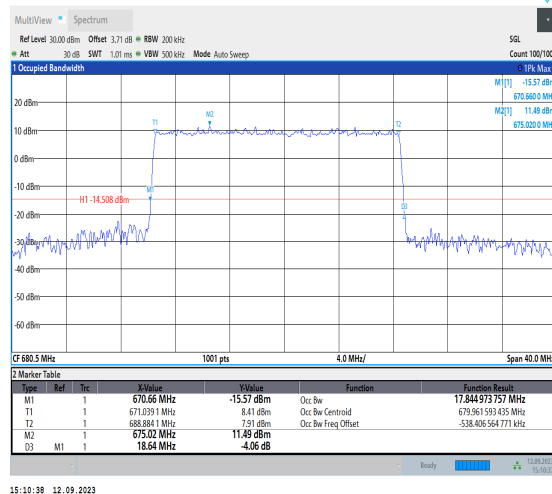
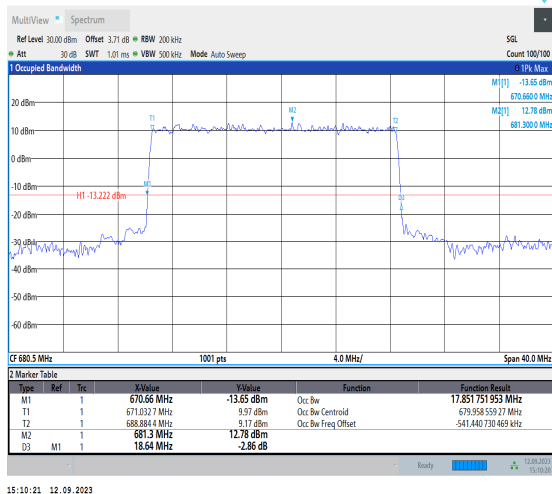
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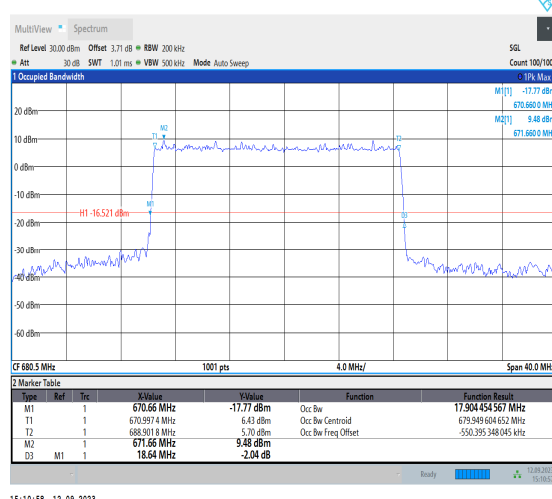
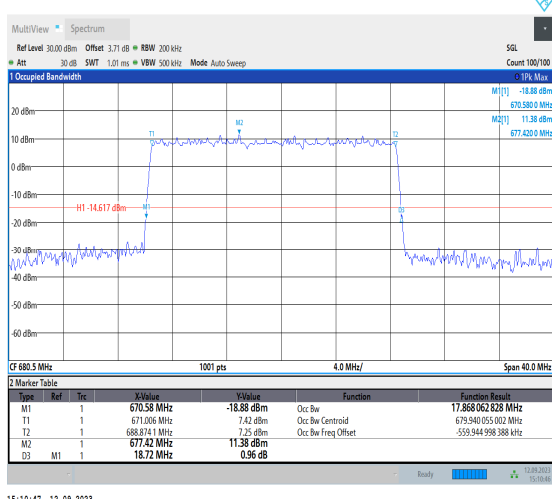
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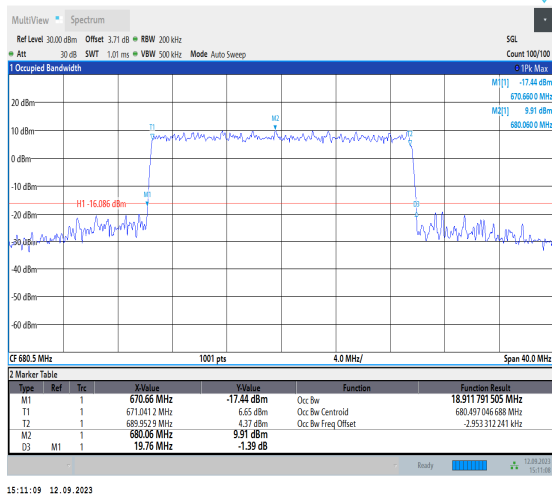
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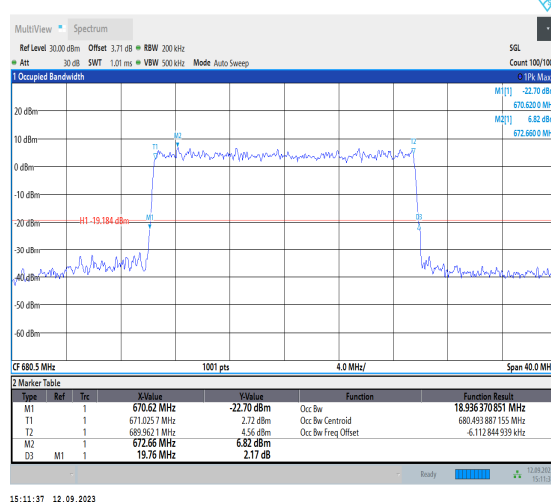
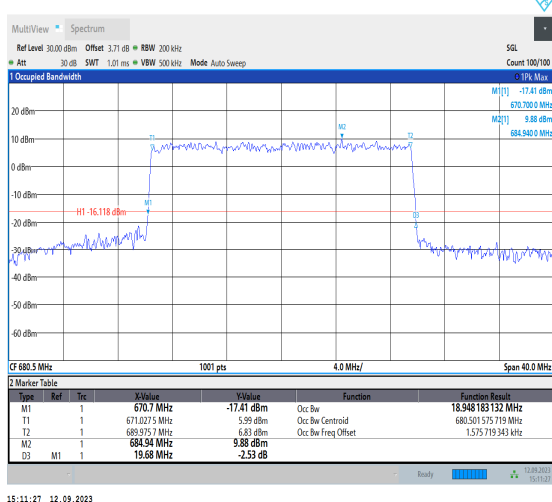
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-Ant1-18.912-19.760-≤20-PASS

1-N71-PC3-15-20-M-7-CP-16QAM-Outer_Full-106@0-Ant1-18.876-19.680-≤20-PASS



1-N71-PC3-15-20-M-8-CP-64QAM-Outer_Full-106@0-Ant1-18.948-19.680-≤20-PASS

1-N71-PC3-15-20-M-9-CP-256QAM-Outer_Full-106@0-Ant1-18.936-19.760-≤20-PASS



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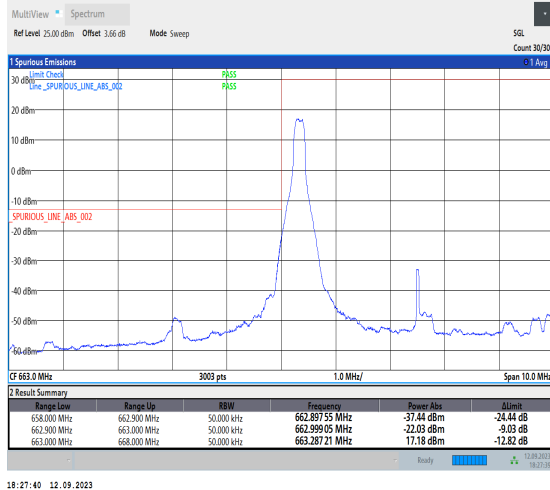
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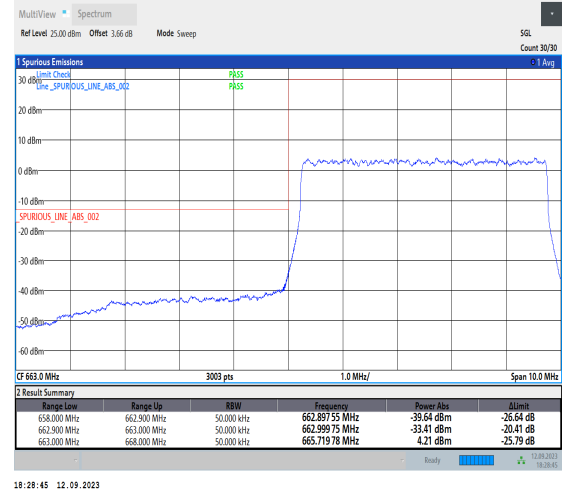
Band Edge for SA

Test Graphs



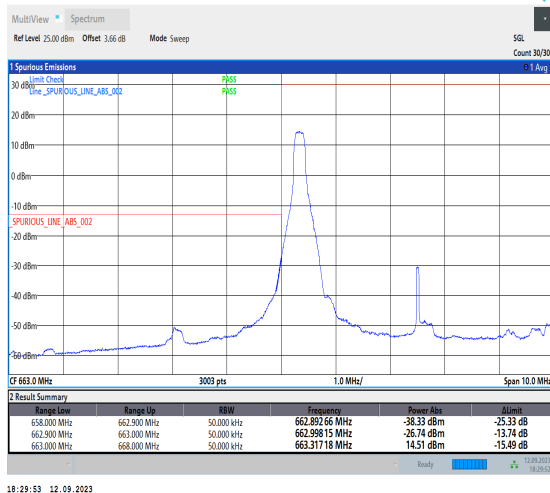
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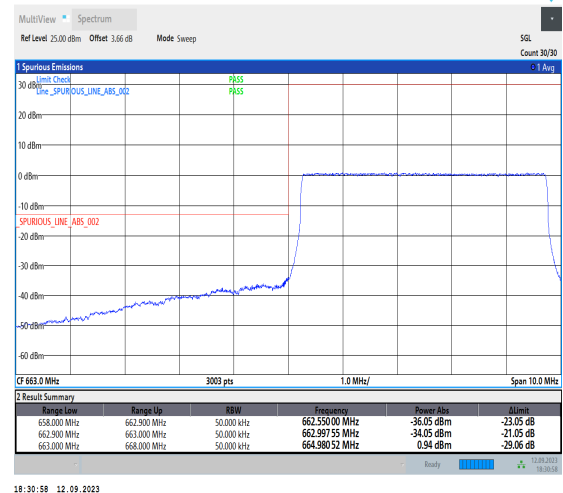
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18:29:53 12.09.2023

1-N71-PC3-15-5-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant1-1--PASS-see graph



18:30:58 12.09.2023

1-N71-PC3-15-5-L-6-CP-QPSK-Outer_Full-25@0-Ant1-1--PASS-see graph



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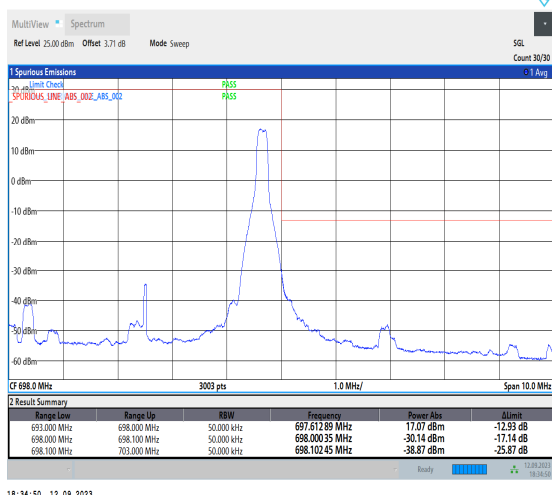
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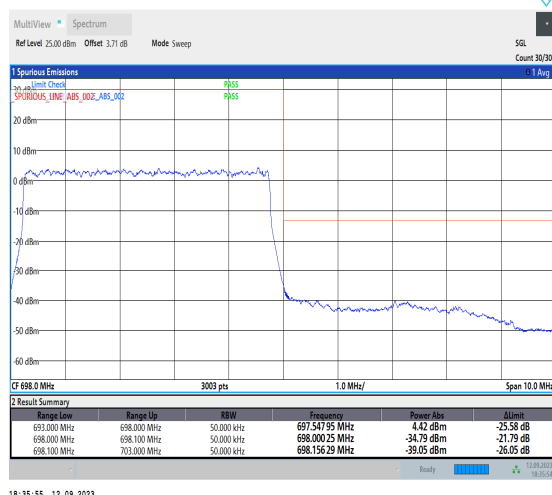
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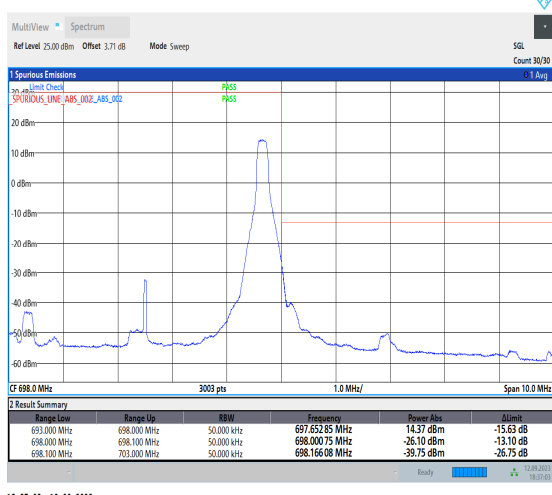
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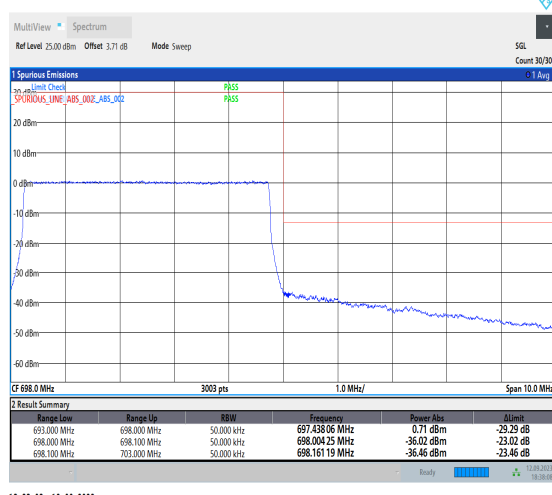
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18:38:08 12.09.2023

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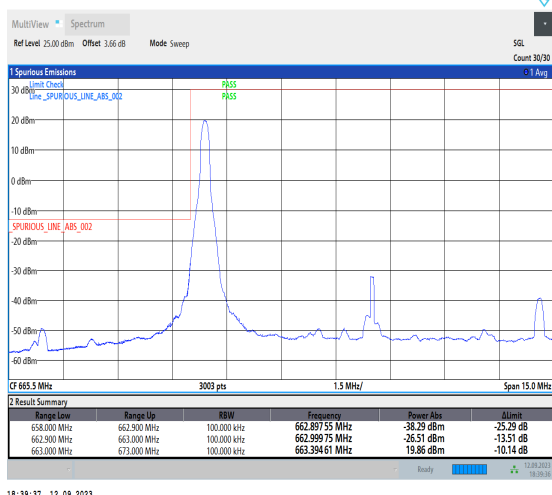
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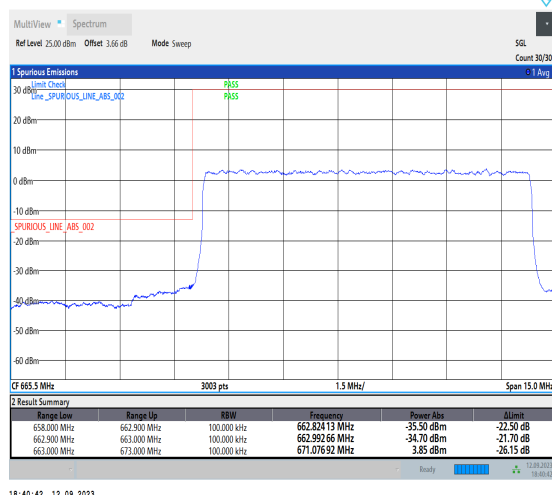
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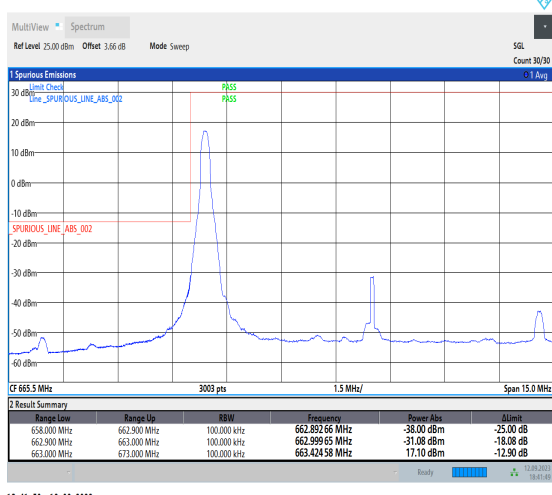
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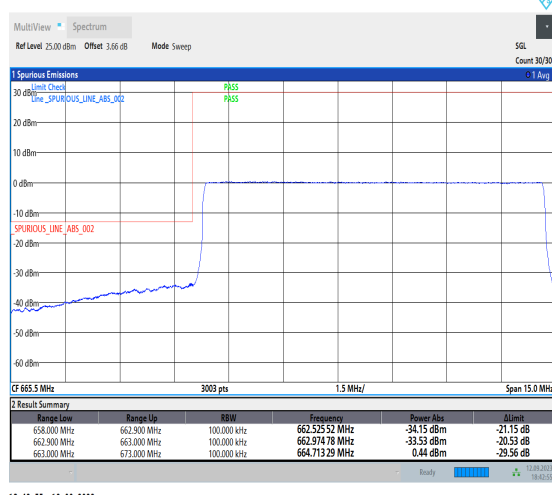
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18:42:55 12-09-2023

1-N71-PC3-15-10-L-6-CP-QPSK-Outer_Full-52@0-Ant1-1--PASS-see graph



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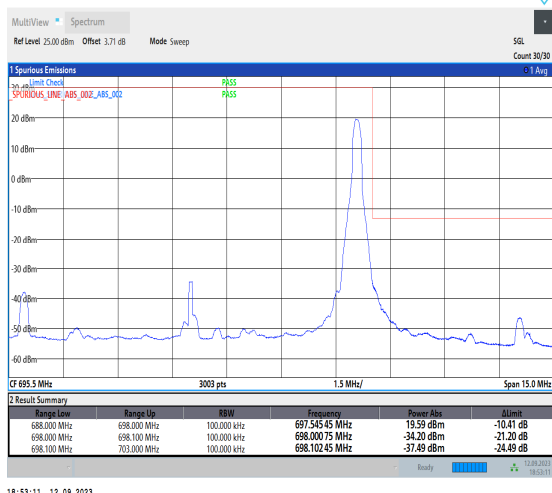
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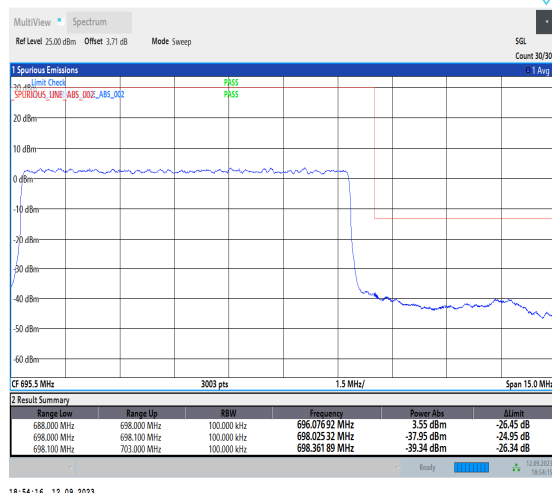
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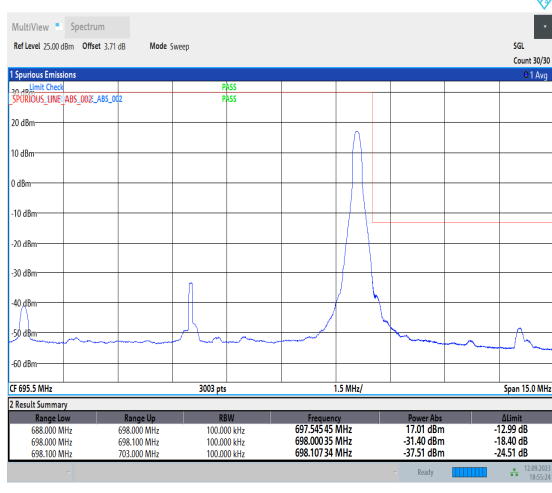
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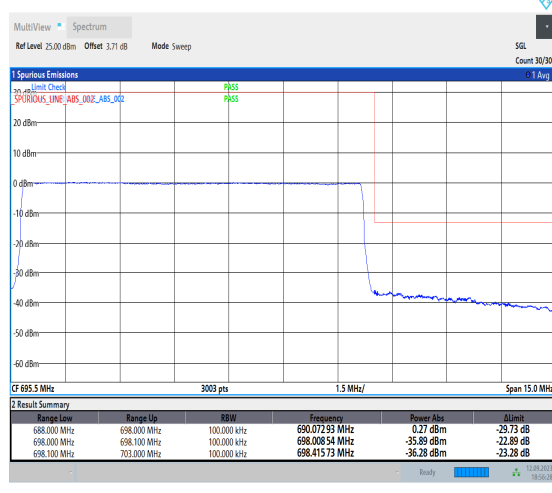
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18:56:29 12.09.2023

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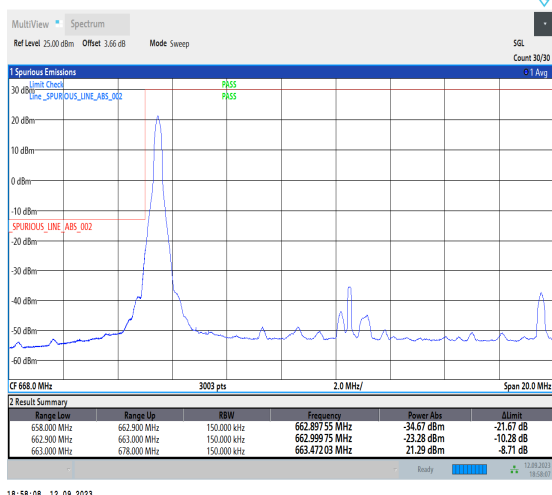
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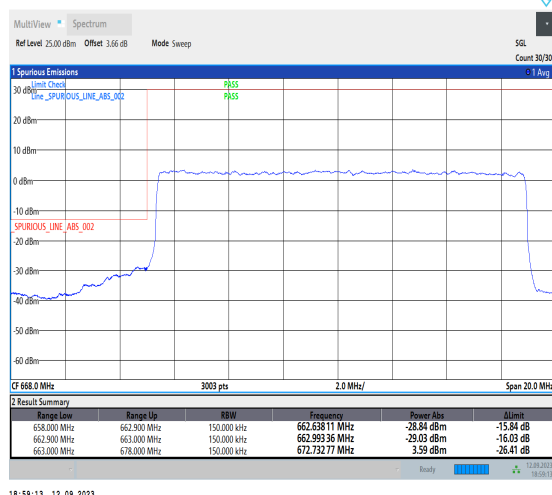
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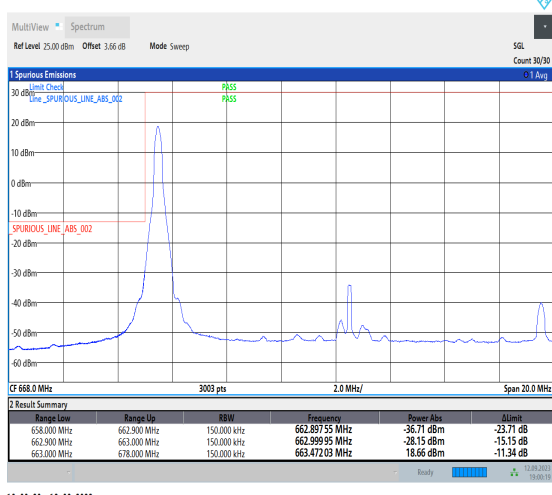
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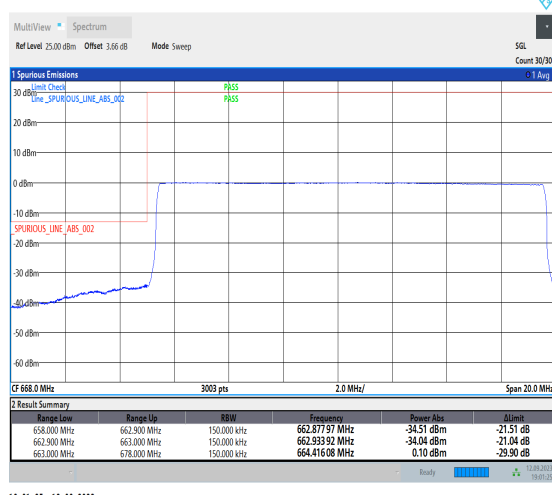
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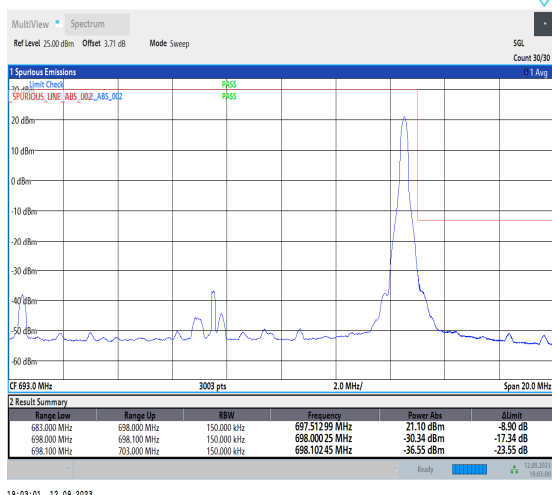
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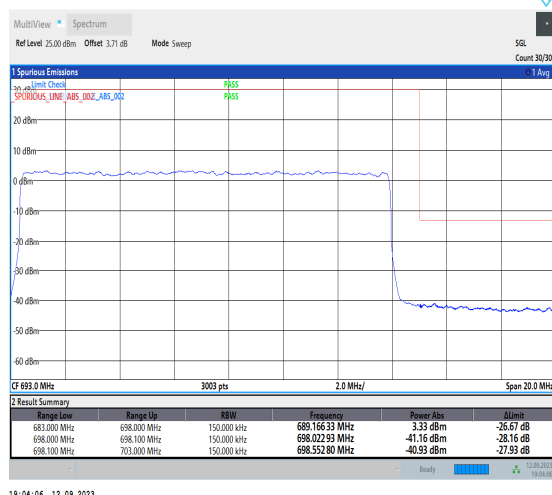
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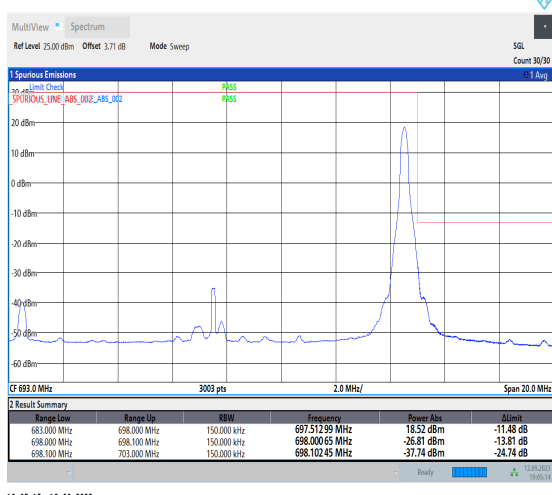
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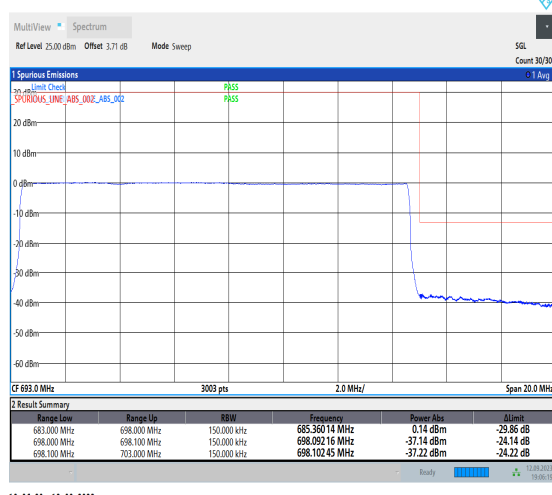
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19:06:20 12.09.2023

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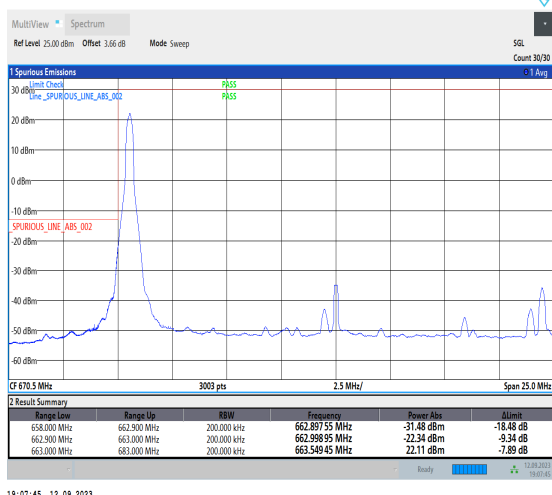
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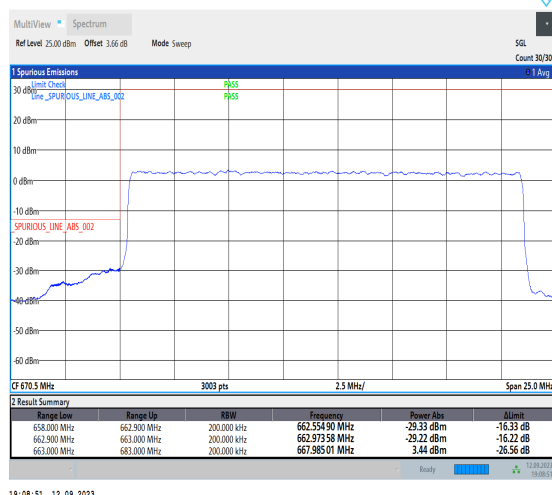
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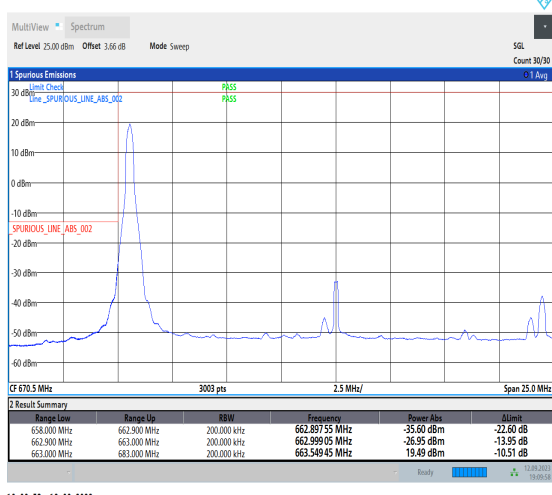
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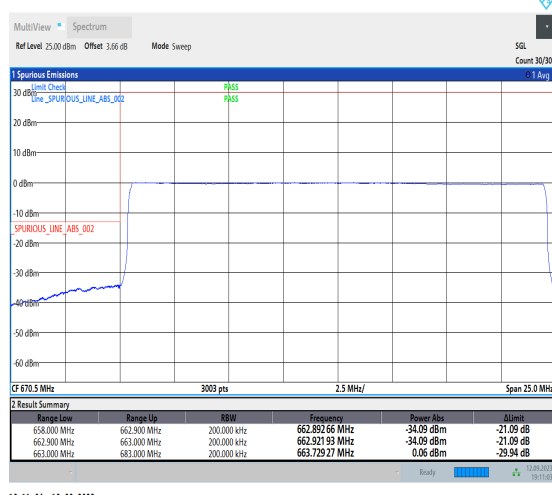
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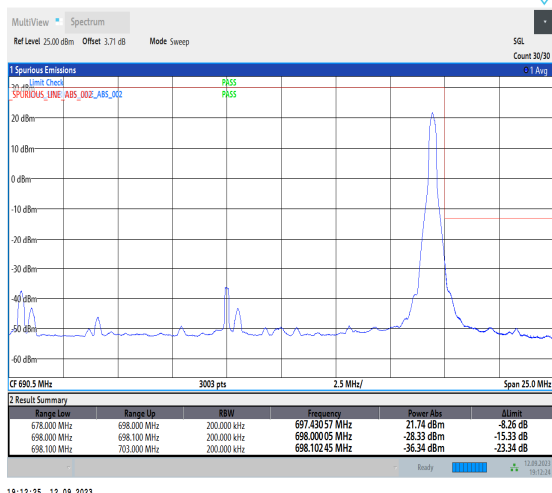
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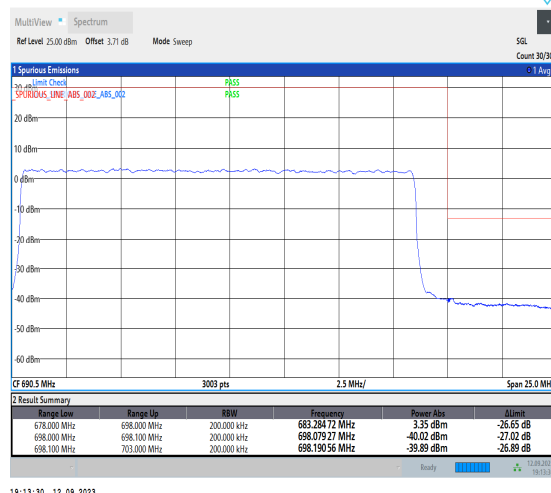
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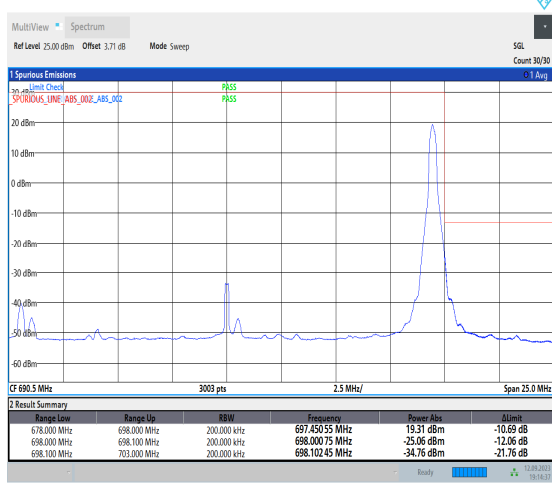
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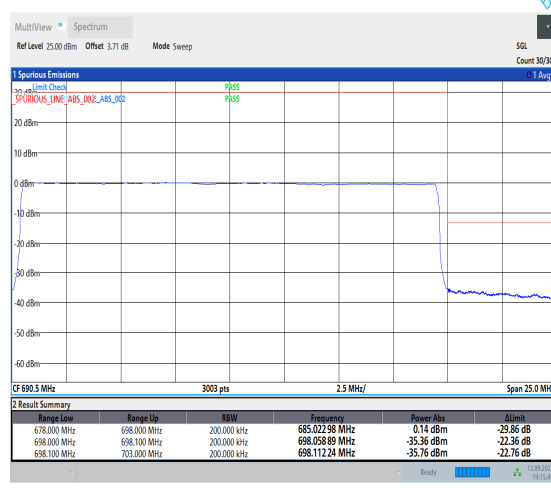
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19:14:38 12.09.2023

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19:15:43 12.09.2023

1-N71-PC3-15-20-H-6-CP-QPSK-Outer_Full-106 @0-Ant1-1--PASS-see graph



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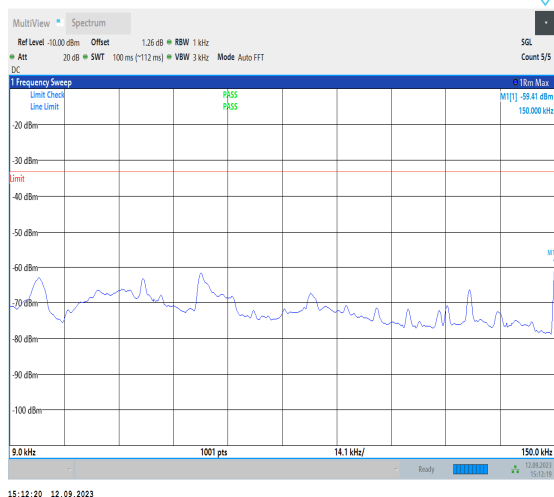
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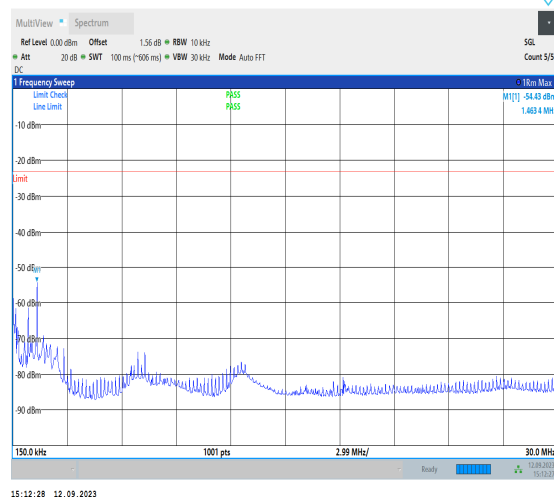
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Rev.: 01
Page: 26 of 47

Conducted Spurious Emission for SA

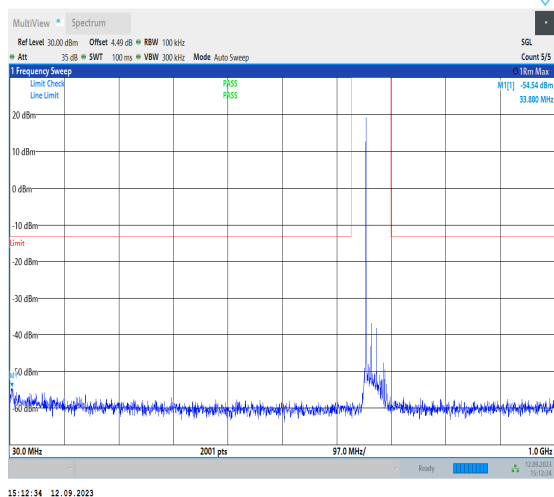
Test Graphs



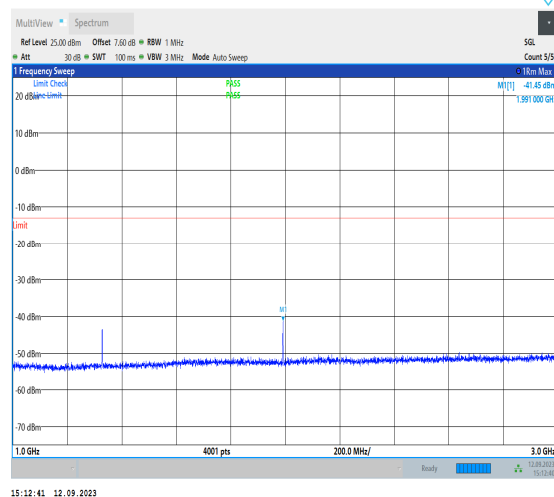
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1-N71-PC3-15-20-L-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-0.15-30-Ant1-1.46--54.43--23-PASS



1-N71-PC3-15-20-L-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-1-30-1000-Ant1-33.88--54.54--13-PASS



1-N71-PC3-15-20-L-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-1000-3000-Ant1-1991.00--41.45--13-PASS



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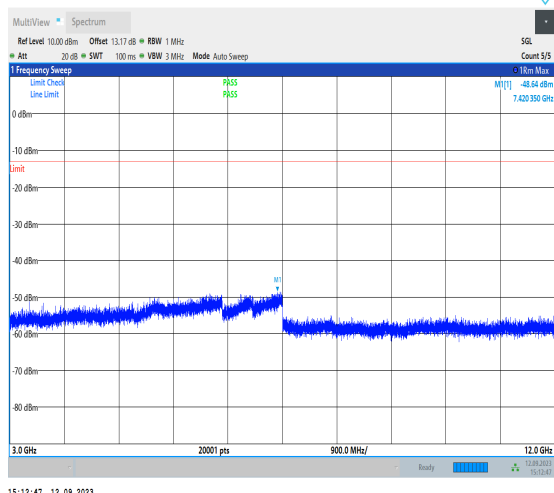
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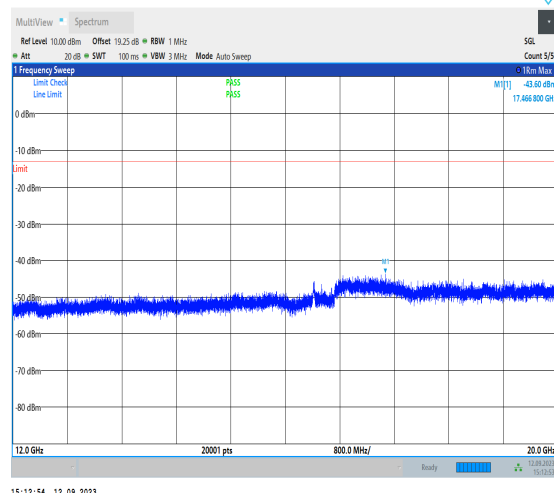
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Rev.: 01

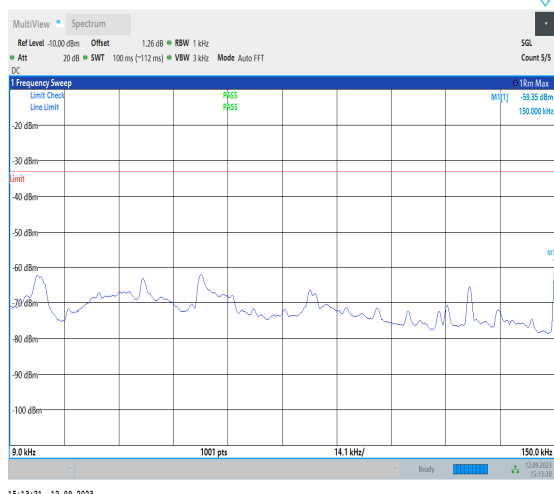
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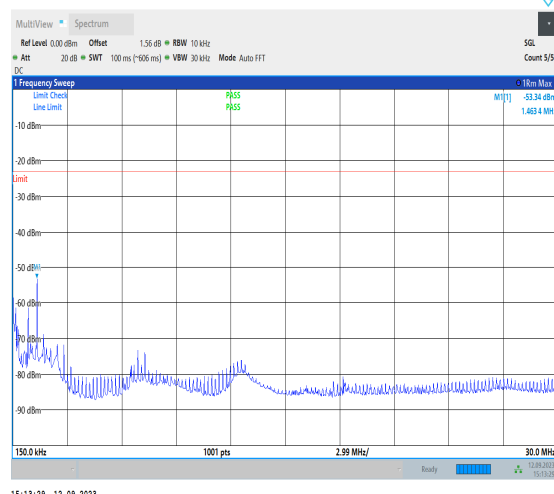
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1-N71-PC3-15-20-M-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-0.009-0.15-Ant1-0.15--59.35--33-PASS



1-N71-PC3-15-20-M-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-0.15-30-Ant1-1.46--53.34--23-PASS



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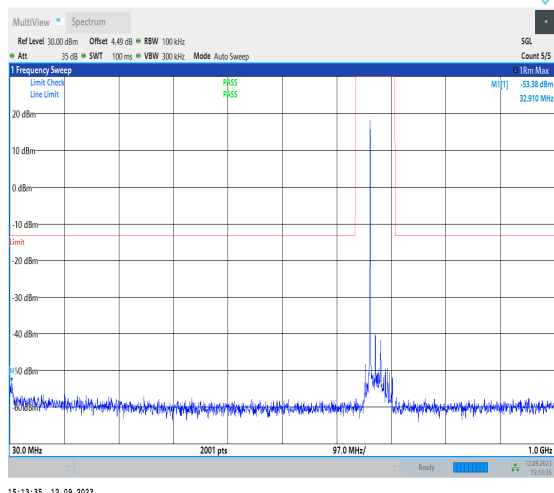
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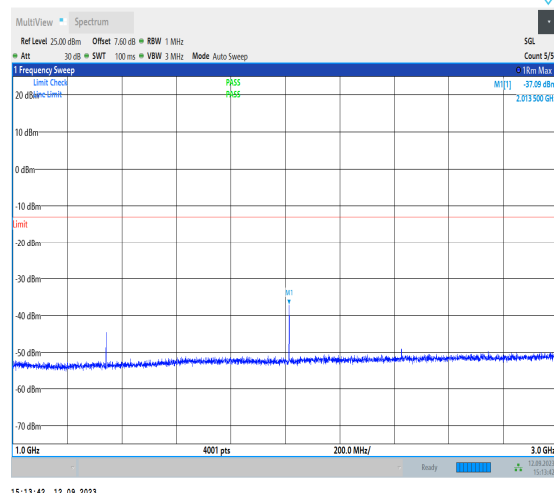
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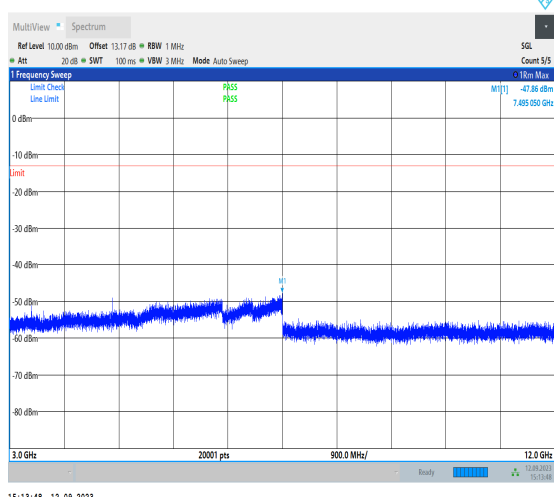
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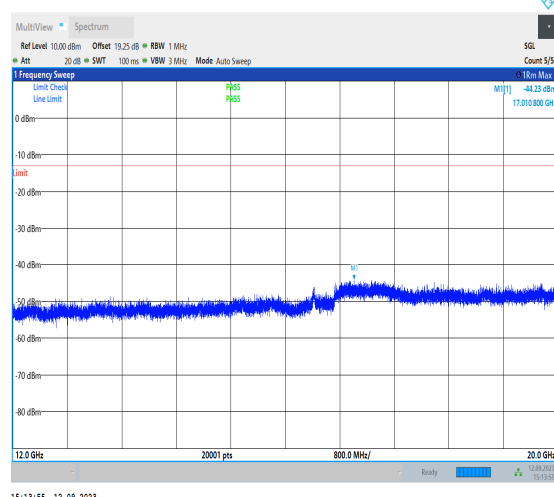
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1-N71-PC3-15-20-M-1-DFT-PI2BPSK-Inner_1RB_Lef
t-1@1-1000-3000-Ant1-2013.50--37.09--13-PASS



1-N71-PC3-15-20-M-1-DFT-PI2BPSK-Inner_1RB_L
eft-1@1-3000-12000-Ant1-7495.05--47.86--13-PAS
S



1-N71-PC3-15-20-M-1-DFT-PI2BPSK-Inner_1RB_Lef
t-1@1-12000-20000-Ant1-17010.80--44.23--13-PASS



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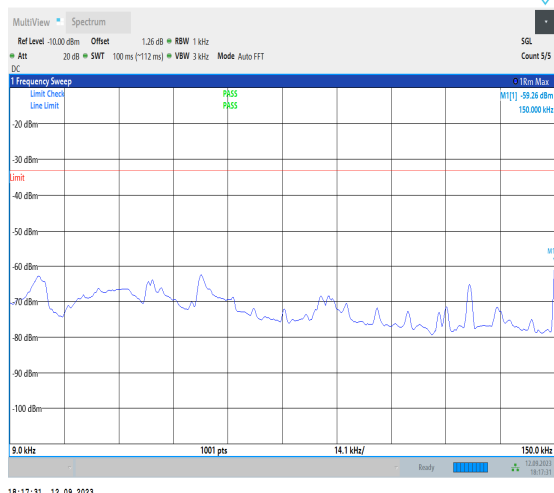
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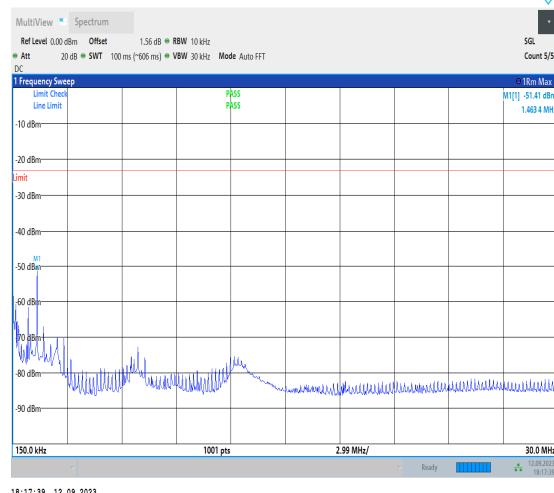
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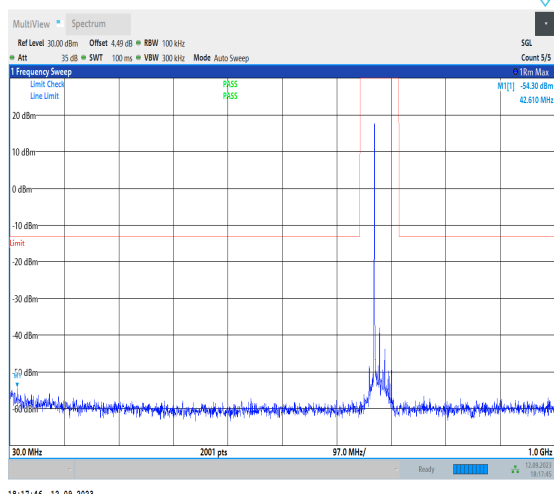
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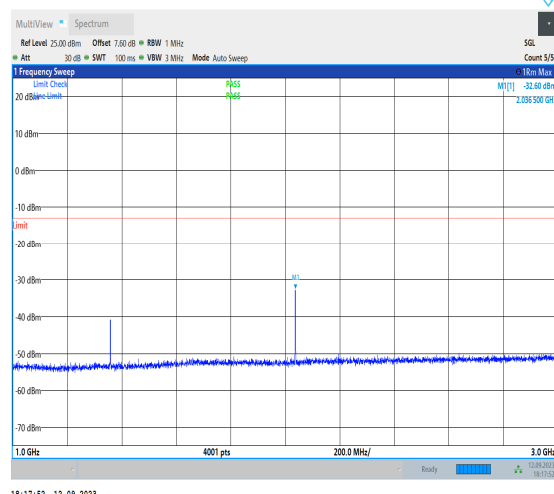
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1-N71-PC3-15-20-H-1-DFT-PI2BPSK-Inner_1RB_L
t-1@1-0.15-30-Ant1-1.46--51.41--23-PASS



1-N71-PC3-15-20-H-1-DFT-PI2BPSK-Inner_1RB_L
eft-1@1-30-1000-Ant1-42.61--54.30--13-PASS



1-N71-PC3-15-20-H-1-DFT-PI2BPSK-Inner_1RB_L
t-1@1-1000-3000-Ant1-2036.50--32.60--13-PASS



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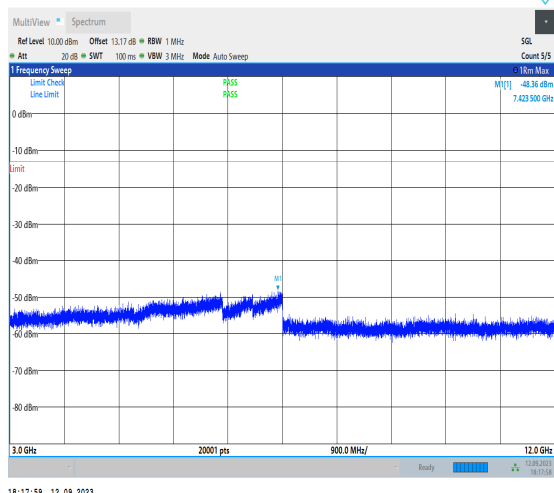
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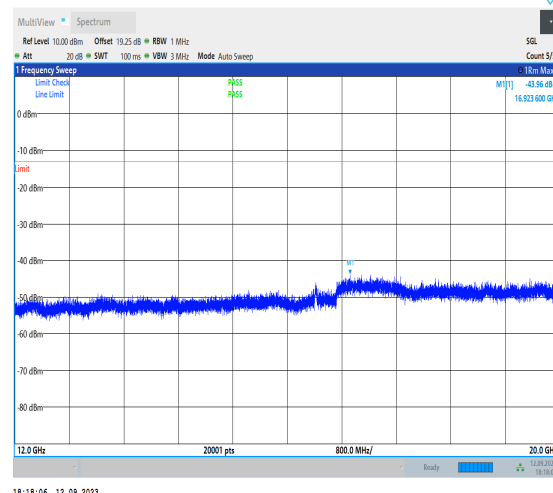
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Rev.: 01

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Field Strength of Spurious Radiation

Test Band = SA Band 71_20MHz_ TM1

Test Channel = Low

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1328.18	46.80	-50.10	24.44	-74.11	-13.00	61.11	Horizontal
2	1992.27	45.07	-49.68	26.67	-73.20	-13.00	60.20	Horizontal
3	2656.36	45.51	-49.07	27.68	-71.15	-13.00	58.15	Horizontal
4	3320.45	44.16	-48.64	28.63	-71.11	-13.00	58.11	Horizontal
5	3984.54	43.93	-48.36	29.38	-70.31	-13.00	57.31	Horizontal
6	4648.63	45.12	-48.06	30.66	-67.54	-13.00	54.54	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1328.18	46.39	-50.10	24.44	-74.52	-13.00	61.52	Vertical
2	1992.27	45.29	-49.68	26.67	-72.98	-13.00	59.98	Vertical
3	2656.36	45.41	-49.07	27.68	-71.25	-13.00	58.25	Vertical
4	3320.45	44.17	-48.64	28.63	-71.10	-13.00	58.10	Vertical
5	3984.54	43.78	-48.36	29.38	-70.46	-13.00	57.46	Vertical
6	4648.63	43.88	-48.06	30.66	-68.78	-13.00	55.78	Vertical



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Test Band = SA Band 71_20MHz_TM1

Test Channel = Mid

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1343.18	46.45	-50.08	24.41	-74.47	-13.00	61.47	Horizontal
2	2014.77	44.66	-49.64	26.72	-73.52	-13.00	60.52	Horizontal
3	2686.36	45.07	-49.02	27.75	-71.47	-13.00	58.47	Horizontal
4	3357.95	44.60	-48.66	28.64	-70.68	-13.00	57.68	Horizontal
5	4029.54	43.52	-48.32	29.45	-70.61	-13.00	57.61	Horizontal
6	4701.13	43.62	-48.08	30.78	-68.94	-13.00	55.94	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1343.18	45.34	-50.08	24.41	-75.58	-13.00	62.58	Vertical
2	2014.77	44.71	-49.64	26.72	-73.47	-13.00	60.47	Vertical
3	2686.36	44.54	-49.02	27.75	-72.00	-13.00	59.00	Vertical
4	3357.95	44.96	-48.66	28.64	-70.32	-13.00	57.32	Vertical
5	4029.54	43.78	-48.32	29.45	-70.35	-13.00	57.35	Vertical
6	4701.13	43.71	-48.08	30.78	-68.85	-13.00	55.85	Vertical



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Test Band = SA Band 71_20MHz_TM1

Test Channel = High

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1358.18	45.40	-50.06	24.38	-75.54	-13.00	62.54	Horizontal
2	2037.27	45.05	-49.59	26.75	-73.06	-13.00	60.06	Horizontal
3	2716.36	44.74	-48.95	27.82	-71.65	-13.00	58.65	Horizontal
4	3395.45	44.03	-48.69	28.66	-71.26	-13.00	58.26	Horizontal
5	4074.54	43.82	-48.28	29.54	-70.19	-13.00	57.19	Horizontal
6	4753.63	43.29	-48.05	30.91	-69.11	-13.00	56.11	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1358.18	45.56	-50.06	24.38	-75.38	-13.00	62.38	Vertical
2	2037.27	44.73	-49.59	26.75	-73.38	-13.00	60.38	Vertical
3	2716.36	45.38	-48.95	27.82	-71.01	-13.00	58.01	Vertical
4	3395.45	44.63	-48.69	28.66	-70.66	-13.00	57.66	Vertical
5	4074.54	43.64	-48.28	29.54	-70.37	-13.00	57.37	Vertical
6	4753.63	43.41	-48.05	30.91	-68.99	-13.00	55.99	Vertical



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Test Band = NSA DC_66A_n71A_TM1

Test Channel = Low

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3404.18	43.87	-48.40	28.66	-71.13	-13.00	58.13	Horizontal
2	5106.27	43.73	-47.82	31.76	-67.60	-13.00	54.60	Horizontal
3	6808.36	42.82	-46.88	35.18	-64.14	-13.00	51.14	Horizontal
4	8510.45	40.38	-44.25	36.92	-62.21	-13.00	49.21	Horizontal
5	10212.54	37.57	-42.01	38.69	-61.01	-13.00	48.01	Horizontal
6	11914.63	37.32	-39.90	39.22	-58.63	-13.00	45.63	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3404.18	43.83	-48.40	28.66	-71.17	-13.00	58.17	Vertical
2	5106.27	43.79	-47.82	31.76	-67.54	-13.00	54.54	Vertical
3	6808.36	43.08	-46.88	35.18	-63.88	-13.00	50.88	Vertical
4	8510.45	40.78	-44.25	36.92	-61.81	-13.00	48.81	Vertical
5	10212.54	38.29	-42.01	38.69	-60.29	-13.00	47.29	Vertical
6	11914.63	38.12	-39.90	39.22	-57.83	-13.00	44.83	Vertical



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Test Band = NSA DC_66A_n71A_TM1

Test Channel = Mid

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3454.18	44.28	-48.34	28.68	-70.64	-13.00	57.64	Horizontal
2	5181.27	43.94	-47.88	31.94	-67.26	-13.00	54.26	Horizontal
3	6908.36	43.18	-46.72	35.40	-63.40	-13.00	50.40	Horizontal
4	8635.45	39.96	-44.02	37.09	-62.23	-13.00	49.23	Horizontal
5	10362.54	38.64	-41.21	38.83	-59.00	-13.00	46.00	Horizontal
6	12089.63	37.44	-39.61	39.15	-58.28	-13.00	45.28	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3454.18	44.71	-48.34	28.68	-70.21	-13.00	57.21	Vertical
2	5181.27	44.24	-47.88	31.94	-66.96	-13.00	53.96	Vertical
3	6908.36	43.47	-46.72	35.40	-63.11	-13.00	50.11	Vertical
4	8635.45	40.19	-44.02	37.09	-62.00	-13.00	49.00	Vertical
5	10362.54	38.39	-41.21	38.83	-59.25	-13.00	46.25	Vertical
6	12089.63	37.75	-39.61	39.15	-57.97	-13.00	44.97	Vertical



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Test Band = NSA DC_66A_n71A_TM1
Test Channel = High

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3504.18	43.81	-48.29	28.71	-71.03	-13.00	58.03	Horizontal
2	5256.27	43.55	-47.83	32.12	-67.42	-13.00	54.42	Horizontal
3	7008.36	43.28	-46.53	35.62	-62.89	-13.00	49.89	Horizontal
4	8760.45	41.11	-44.04	37.27	-60.93	-13.00	47.93	Horizontal
5	10512.54	37.84	-40.73	38.96	-59.19	-13.00	46.19	Horizontal
6	12262.63	37.10	-39.76	39.04	-58.88	-13.00	45.88	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3504.18	44.71	-48.29	28.71	-70.13	-13.00	57.13	Vertical
2	5256.27	43.82	-47.83	32.12	-67.15	-13.00	54.15	Vertical
3	7008.36	42.77	-46.53	35.62	-63.40	-13.00	50.40	Vertical
4	8760.45	41.07	-44.04	37.27	-60.97	-13.00	47.97	Vertical
5	10512.54	38.08	-40.73	38.96	-58.95	-13.00	45.95	Vertical
6	12262.63	37.06	-39.76	39.04	-58.92	-13.00	45.92	Vertical



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Test Band = NSA DC_2A_n71A_TM1

Test Channel = Low

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3702.18	44.25	-48.50	28.98	-70.53	-13.00	57.53	Horizontal
2	5553.27	43.84	-47.66	32.71	-66.37	-13.00	53.37	Horizontal
3	7404.36	43.04	-46.17	36.57	-61.82	-13.00	48.82	Horizontal
4	9255.45	40.18	-43.17	37.83	-60.42	-13.00	47.42	Horizontal
5	11106.54	37.30	-40.36	39.38	-58.94	-13.00	45.94	Horizontal
6	12957.63	36.36	-39.41	38.63	-59.68	-13.00	46.68	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3702.18	44.02	-48.50	28.98	-70.76	-13.00	57.76	Vertical
2	5553.27	43.48	-47.66	32.71	-66.73	-13.00	53.73	Vertical
3	7404.36	43.24	-46.17	36.57	-61.62	-13.00	48.62	Vertical
4	9255.45	39.49	-43.17	37.83	-61.11	-13.00	48.11	Vertical
5	11106.54	37.55	-40.36	39.38	-58.69	-13.00	45.69	Vertical
6	12957.63	36.46	-39.41	38.63	-59.58	-13.00	46.58	Vertical



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Test Band = NSA DC_2A_n71A_TM1

Test Channel = Mid

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3742.18	43.72	-48.37	29.04	-70.87	-13.00	57.87	Horizontal
2	5613.27	43.20	-47.67	32.72	-67.01	-13.00	54.01	Horizontal
3	7484.36	42.33	-46.17	36.76	-62.34	-13.00	49.34	Horizontal
4	9355.45	40.17	-42.97	37.92	-60.14	-13.00	47.14	Horizontal
5	11226.54	37.23	-40.37	39.35	-59.05	-13.00	46.05	Horizontal
6	13097.63	36.67	-38.42	38.83	-58.18	-13.00	45.18	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3742.18	44.21	-48.37	29.04	-70.38	-13.00	57.38	Vertical
2	5613.27	43.32	-47.67	32.72	-66.89	-13.00	53.89	Vertical
3	7484.36	41.95	-46.17	36.76	-62.72	-13.00	49.72	Vertical
4	9355.45	40.38	-42.97	37.92	-59.93	-13.00	46.93	Vertical
5	11226.54	37.38	-40.37	39.35	-58.90	-13.00	45.90	Vertical
6	13097.63	37.03	-38.42	38.83	-57.82	-13.00	44.82	Vertical



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Test Band = NSA DC_2A_n71A_TM1

Test Channel = High

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3782.18	44.22	-48.24	29.10	-70.18	-13.00	57.18	Horizontal
2	5673.27	43.15	-47.55	32.73	-66.92	-13.00	53.92	Horizontal
3	7564.36	41.40	-45.14	36.72	-62.28	-13.00	49.28	Horizontal
4	9455.45	39.63	-42.67	38.01	-60.29	-13.00	47.29	Horizontal
5	11346.54	37.57	-40.28	39.33	-58.64	-13.00	45.64	Horizontal
6	13237.63	36.26	-38.85	39.15	-58.70	-13.00	45.70	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3782.18	43.81	-48.24	29.10	-70.59	-13.00	57.59	Vertical
2	5673.27	43.03	-47.55	32.73	-67.04	-13.00	54.04	Vertical
3	7564.36	41.48	-45.14	36.72	-62.20	-13.00	49.20	Vertical
4	9455.45	39.91	-42.67	38.01	-60.01	-13.00	47.01	Vertical
5	11346.54	37.51	-40.28	39.33	-58.70	-13.00	45.70	Vertical
6	13237.63	36.67	-38.85	39.15	-58.29	-13.00	45.29	Vertical



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Test Band = NR CA n66A-n71A_ TM1

Test Channel = Low

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3422.18	44.64	-48.38	28.67	-70.33	-13.00	57.33	Horizontal
2	5133.27	43.11	-47.84	31.82	-68.17	-13.00	55.17	Horizontal
3	6844.36	43.43	-46.82	35.26	-63.39	-13.00	50.39	Horizontal
4	8555.45	41.18	-44.11	36.98	-61.21	-13.00	48.21	Horizontal
5	10266.54	37.98	-41.48	38.74	-60.02	-13.00	47.02	Horizontal
6	11977.63	37.09	-39.54	39.20	-58.51	-13.00	45.51	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3422.18	44.26	-48.38	28.67	-70.71	-13.00	57.71	Vertical
2	5133.27	43.34	-47.84	31.82	-67.94	-13.00	54.94	Vertical
3	6844.36	43.00	-46.82	35.26	-63.82	-13.00	50.82	Vertical
4	8555.45	40.54	-44.11	36.98	-61.85	-13.00	48.85	Vertical
5	10266.54	38.05	-41.48	38.74	-59.95	-13.00	46.95	Vertical
6	11977.63	36.75	-39.54	39.20	-58.85	-13.00	45.85	Vertical



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Test Band = NR CA n66A-n71A_ TM1

Test Channel = Mid

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3472.18	45.16	-48.32	28.69	-69.73	-13.00	56.73	Horizontal
2	5208.27	43.58	-47.88	32.00	-67.56	-13.00	54.56	Horizontal
3	6944.36	43.36	-46.67	35.48	-63.09	-13.00	50.09	Horizontal
4	8680.45	41.35	-44.09	37.15	-60.85	-13.00	47.85	Horizontal
5	10416.54	39.59	-41.14	38.88	-57.94	-13.00	44.94	Horizontal
6	12152.63	37.54	-39.73	39.11	-58.34	-13.00	45.34	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3472.18	44.36	-48.32	28.69	-70.53	-13.00	57.53	Vertical
2	5208.27	43.51	-47.88	32.00	-67.63	-13.00	54.63	Vertical
3	6944.36	43.31	-46.67	35.48	-63.14	-13.00	50.14	Vertical
4	8680.45	40.72	-44.09	37.15	-61.48	-13.00	48.48	Vertical
5	10416.54	38.67	-41.14	38.88	-58.86	-13.00	45.86	Vertical
6	12152.63	37.18	-39.73	39.11	-58.70	-13.00	45.70	Vertical



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Test Band = NR CA n66A-n71A_ TM1

Test Channel = High

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3522.18	44.60	-48.29	28.73	-70.22	-13.00	57.22	Horizontal
2	5283.27	44.18	-47.80	32.18	-66.70	-13.00	53.70	Horizontal
3	7044.36	43.12	-46.26	35.71	-62.69	-13.00	49.69	Horizontal
4	8805.45	40.63	-43.99	37.33	-61.29	-13.00	48.29	Horizontal
5	10566.54	38.13	-41.05	39.01	-59.17	-13.00	46.17	Horizontal
6	12327.63	37.44	-39.68	39.00	-58.50	-13.00	45.50	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3522.18	45.65	-48.29	28.73	-69.17	-13.00	56.17	Vertical
2	5283.27	44.45	-47.80	32.18	-66.43	-13.00	53.43	Vertical
3	7044.36	42.95	-46.26	35.71	-62.86	-13.00	49.86	Vertical
4	8805.45	41.02	-43.99	37.33	-60.90	-13.00	47.90	Vertical
5	10566.54	38.61	-41.05	39.01	-58.69	-13.00	45.69	Vertical
6	12327.63	37.01	-39.68	39.00	-58.93	-13.00	45.93	Vertical



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Test Band = NR CA n70A-n71A_ TM1

Test Channel = Low

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3391.18	44.79	-48.38	28.66	-70.19	-13.00	57.19	Horizontal
2	5086.77	43.27	-47.84	31.71	-68.12	-13.00	55.12	Horizontal
3	6782.36	42.77	-46.83	35.12	-64.20	-13.00	51.20	Horizontal
4	8477.95	40.24	-44.24	36.87	-62.39	-13.00	49.39	Horizontal
5	10173.54	38.33	-42.07	38.66	-60.34	-13.00	47.34	Horizontal
6	11869.13	37.16	-39.95	39.23	-58.83	-13.00	45.83	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3391.18	44.51	-48.38	28.66	-70.47	-13.00	57.47	Vertical
2	5086.77	43.38	-47.84	31.71	-68.01	-13.00	55.01	Vertical
3	6782.36	43.14	-46.83	35.12	-63.83	-13.00	50.83	Vertical
4	8477.95	41.07	-44.24	36.87	-61.56	-13.00	48.56	Vertical
5	10173.54	38.64	-42.07	38.66	-60.03	-13.00	47.03	Vertical
6	11869.13	37.55	-39.95	39.23	-58.44	-13.00	45.44	Vertical



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Test Band = NR CA n70A-n71A_ TM1

Test Channel = Mid

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3396.18	44.52	-48.40	28.66	-70.48	-13.00	57.48	Horizontal
2	5094.27	43.24	-47.83	31.73	-68.12	-13.00	55.12	Horizontal
3	6792.36	43.05	-46.87	35.14	-63.93	-13.00	50.93	Horizontal
4	8490.45	40.37	-44.26	36.89	-62.27	-13.00	49.27	Horizontal
5	10188.54	38.48	-42.11	38.67	-60.22	-13.00	47.22	Horizontal
6	11886.63	36.29	-39.97	39.22	-59.72	-13.00	46.72	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3396.18	44.10	-48.40	28.66	-70.90	-13.00	57.90	Vertical
2	5094.27	42.58	-47.83	31.73	-68.78	-13.00	55.78	Vertical
3	6792.36	42.93	-46.87	35.14	-64.05	-13.00	51.05	Vertical
4	8490.45	40.02	-44.26	36.89	-62.62	-13.00	49.62	Vertical
5	10188.54	38.05	-42.11	38.67	-60.65	-13.00	47.65	Vertical
6	11886.63	37.27	-39.97	39.22	-58.74	-13.00	45.74	Vertical



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Test Band = NR CA n70A-n71A_ TM1

Test Channel = High

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3401.18	43.82	-48.41	28.66	-71.19	-13.00	58.19	Horizontal
2	5101.77	44.48	-47.82	31.75	-66.86	-13.00	53.86	Horizontal
3	6802.36	43.87	-46.89	35.17	-63.11	-13.00	50.11	Horizontal
4	8502.95	40.67	-44.27	36.90	-61.95	-13.00	48.95	Horizontal
5	10203.54	38.38	-42.10	38.68	-60.30	-13.00	47.30	Horizontal
6	11904.13	36.62	-39.96	39.22	-59.38	-13.00	46.38	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3401.18	44.03	-48.41	28.66	-70.98	-13.00	57.98	Vertical
2	5101.77	43.07	-47.82	31.75	-68.27	-13.00	55.27	Vertical
3	6802.36	43.11	-46.89	35.17	-63.87	-13.00	50.87	Vertical
4	8502.95	40.23	-44.27	36.90	-62.39	-13.00	49.39	Vertical
5	10203.54	37.34	-42.10	38.68	-61.34	-13.00	48.34	Vertical
6	11904.13	36.63	-39.96	39.22	-59.37	-13.00	46.37	Vertical

Remark:

1) The field strength is calculated by adding the Antenna Factor, Cable Factor & AMP. The basic equation with a sample calculation is as follows:

AF = Antenna Factor(dB/m)

Factor = Cable Factor(dB) - Preamplifier (dB)

Level = Reading Level + AF + Factor -95.26

Margin = Limit – Level



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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
N71	15	20	DFT-PI2BPSK	M	Outer_Full	VH	NT	-16.700000	-0.024541	PASS
N71	15	20	DFT-PI2BPSK	M	Outer_Full	VN	NT	-10.500000	-0.015430	PASS
N71	15	20	DFT-PI2BPSK	M	Outer_Full	VL	NT	7.100000	0.010434	PASS
N71	15	20	CP-QPSK	M	Outer_Full	VH	NT	-0.700000	-0.001029	PASS
N71	15	20	CP-QPSK	M	Outer_Full	VN	NT	-4.800000	-0.007054	PASS
N71	15	20	CP-QPSK	M	Outer_Full	VL	NT	-4.900000	-0.007201	PASS



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Frequency Error VS. Temperature

Temperature										
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation(Hz)	Deviation (ppm)	Verdict
N71	15	20	DFT-PI2BPSK	M	Outer_Full	NV	-30	-6.900000	-0.010140	PASS
N71	15	20	DFT-PI2BPSK	M	Outer_Full	NV	-20	-6.600000	-0.009699	PASS
N71	15	20	DFT-PI2BPSK	M	Outer_Full	NV	-10	-6.700000	-0.009846	PASS
N71	15	20	DFT-PI2BPSK	M	Outer_Full	NV	0	-16.400000	-0.024100	PASS
N71	15	20	DFT-PI2BPSK	M	Outer_Full	NV	10	-11.800000	-0.017340	PASS
N71	15	20	DFT-PI2BPSK	M	Outer_Full	NV	20	-5.600000	-0.008229	PASS
N71	15	20	DFT-PI2BPSK	M	Outer_Full	NV	30	-13.200000	-0.019398	PASS
N71	15	20	DFT-PI2BPSK	M	Outer_Full	NV	40	-7.800000	-0.011462	PASS
N71	15	20	DFT-PI2BPSK	M	Outer_Full	NV	50	3.800000	0.005584	PASS
N71	15	20	CP-QPSK	M	Outer_Full	NV	-30	6.000000	0.008817	PASS
N71	15	20	CP-QPSK	M	Outer_Full	NV	-20	-5.700000	-0.008376	PASS
N71	15	20	CP-QPSK	M	Outer_Full	NV	-10	-6.700000	-0.009846	PASS
N71	15	20	CP-QPSK	M	Outer_Full	NV	0	-5.100000	-0.007494	PASS
N71	15	20	CP-QPSK	M	Outer_Full	NV	10	-9.600000	-0.014107	PASS
N71	15	20	CP-QPSK	M	Outer_Full	NV	20	-4.700000	-0.006907	PASS
N71	15	20	CP-QPSK	M	Outer_Full	NV	30	-8.400000	-0.012344	PASS
N71	15	20	CP-QPSK	M	Outer_Full	NV	40	-6.500000	-0.009552	PASS
N71	15	20	CP-QPSK	M	Outer_Full	NV	50	6.200000	0.009111	PASS

---End of Attachment---



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