

Appendix B.24

NR Band n66



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Effective (Isotropic) Radiated Power Output Data for SA

Test Result

ANT31

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Power (dBm)	EIRP (dBm)	Limit	Verdict
N66	15	5	DFT-QPSK	L	Inner_1RB_Left	23.72	20.72	30.00	PASS
N66	15	5	DFT-16QAM	L	Inner_1RB_Left	23.18	20.18	30.00	PASS
N66	15	5	DFT-QPSK	M	Inner_1RB_Left	23.48	20.48	30.00	PASS
N66	15	5	DFT-16QAM	M	Inner_1RB_Left	22.97	19.97	30.00	PASS
N66	15	5	DFT-QPSK	H	Inner_1RB_Left	23.42	20.42	30.00	PASS
N66	15	5	DFT-16QAM	H	Inner_1RB_Left	22.88	19.88	30.00	PASS
N66	15	10	DFT-QPSK	L	Inner_1RB_Left	23.71	20.71	30.00	PASS
N66	15	10	DFT-16QAM	L	Inner_1RB_Left	23.11	20.11	30.00	PASS
N66	15	10	DFT-QPSK	M	Inner_1RB_Left	23.42	20.42	30.00	PASS
N66	15	10	DFT-16QAM	M	Inner_1RB_Left	22.90	19.90	30.00	PASS
N66	15	10	DFT-QPSK	H	Inner_1RB_Left	23.44	20.44	30.00	PASS
N66	15	10	DFT-16QAM	H	Inner_1RB_Left	22.98	19.98	30.00	PASS
N66	15	15	DFT-QPSK	L	Inner_1RB_Left	23.74	20.74	30.00	PASS
N66	15	15	DFT-16QAM	L	Inner_1RB_Left	23.12	20.12	30.00	PASS
N66	15	15	DFT-QPSK	M	Inner_1RB_Left	23.31	20.31	30.00	PASS
N66	15	15	DFT-16QAM	M	Inner_1RB_Left	22.84	19.84	30.00	PASS
N66	15	15	DFT-QPSK	H	Inner_1RB_Left	23.40	20.40	30.00	PASS
N66	15	15	DFT-16QAM	H	Inner_1RB_Left	22.88	19.88	30.00	PASS
N66	15	20	DFT-QPSK	L	Inner_1RB_Left	23.64	20.64	30.00	PASS
N66	15	20	DFT-16QAM	L	Inner_1RB_Left	23.12	20.12	30.00	PASS
N66	15	20	DFT-QPSK	M	Inner_1RB_Left	23.46	20.46	30.00	PASS
N66	15	20	DFT-16QAM	M	Inner_1RB_Left	22.98	19.98	30.00	PASS
N66	15	20	DFT-QPSK	H	Inner_1RB_Left	23.46	20.46	30.00	PASS
N66	15	20	DFT-16QAM	H	Inner_1RB_Left	22.86	19.86	30.00	PASS
N66	15	30	DFT-QPSK	L	Inner_1RB_Left	23.65	20.65	30.00	PASS
N66	15	30	DFT-16QAM	L	Inner_1RB_Left	23.14	20.14	30.00	PASS
N66	15	30	DFT-QPSK	M	Inner_1RB_Left	23.47	20.47	30.00	PASS
N66	15	30	DFT-16QAM	M	Inner_1RB_Left	22.92	19.92	30.00	PASS
N66	15	30	DFT-QPSK	H	Inner_1RB_Left	23.46	20.46	30.00	PASS
N66	15	30	DFT-16QAM	H	Inner_1RB_Left	22.81	19.81	30.00	PASS
N66	15	40	DFT-PI2BPSK	L	Inner_1RB_Left	23.64	20.64	30.00	PASS



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N66	15	40	DFT-PI2BPSK	L	Inner_1RB_Right	23.57	20.57	30.00	PASS
N66	15	40	DFT-PI2BPSK	L	Outer_Full	23.17	20.17	30.00	PASS
N66	15	40	DFT-QPSK	L	Inner_1RB_Left	23.54	20.54	30.00	PASS
N66	15	40	DFT-QPSK	L	Inner_1RB_Right	23.46	20.46	30.00	PASS
N66	15	40	DFT-QPSK	L	Outer_Full	23.05	20.05	30.00	PASS
N66	15	40	DFT-16QAM	L	Inner_1RB_Left	23.21	20.21	30.00	PASS
N66	15	40	DFT-16QAM	L	Inner_1RB_Right	23.03	20.03	30.00	PASS
N66	15	40	DFT-16QAM	L	Outer_Full	22.15	19.15	30.00	PASS
N66	15	40	DFT-64QAM	L	Inner_1RB_Left	21.69	18.69	30.00	PASS
N66	15	40	DFT-64QAM	L	Inner_1RB_Right	21.56	18.56	30.00	PASS
N66	15	40	DFT-64QAM	L	Outer_Full	21.46	18.46	30.00	PASS
N66	15	40	DFT-256QAM	L	Inner_1RB_Left	19.08	16.08	30.00	PASS
N66	15	40	DFT-256QAM	L	Inner_1RB_Right	19.12	16.12	30.00	PASS
N66	15	40	DFT-256QAM	L	Outer_Full	19.51	16.51	30.00	PASS
N66	15	40	DFT-PI2BPSK	M	Inner_1RB_Left	23.63	20.63	30.00	PASS
N66	15	40	DFT-PI2BPSK	M	Inner_1RB_Right	23.50	20.50	30.00	PASS
N66	15	40	DFT-PI2BPSK	M	Outer_Full	22.92	19.92	30.00	PASS
N66	15	40	DFT-QPSK	M	Inner_1RB_Left	23.43	20.43	30.00	PASS
N66	15	40	DFT-QPSK	M	Inner_1RB_Right	23.47	20.47	30.00	PASS
N66	15	40	DFT-QPSK	M	Outer_Full	22.78	19.78	30.00	PASS
N66	15	40	DFT-16QAM	M	Inner_1RB_Left	22.89	19.89	30.00	PASS
N66	15	40	DFT-16QAM	M	Inner_1RB_Right	22.95	19.95	30.00	PASS
N66	15	40	DFT-16QAM	M	Outer_Full	22.04	19.04	30.00	PASS
N66	15	40	DFT-64QAM	M	Inner_1RB_Left	21.48	18.48	30.00	PASS
N66	15	40	DFT-64QAM	M	Inner_1RB_Right	21.47	18.47	30.00	PASS
N66	15	40	DFT-64QAM	M	Outer_Full	21.36	18.36	30.00	PASS
N66	15	40	DFT-256QAM	M	Inner_1RB_Left	18.83	15.83	30.00	PASS
N66	15	40	DFT-256QAM	M	Inner_1RB_Right	19.08	16.08	30.00	PASS
N66	15	40	DFT-256QAM	M	Outer_Full	19.47	16.47	30.00	PASS
N66	15	40	DFT-PI2BPSK	H	Inner_1RB_Left	23.39	20.39	30.00	PASS
N66	15	40	DFT-PI2BPSK	H	Inner_1RB_Right	23.58	20.58	30.00	PASS
N66	15	40	DFT-PI2BPSK	H	Outer_Full	22.93	19.93	30.00	PASS
N66	15	40	DFT-QPSK	H	Inner_1RB_Left	23.29	20.29	30.00	PASS
N66	15	40	DFT-QPSK	H	Inner_1RB_Right	23.34	20.34	30.00	PASS
N66	15	40	DFT-QPSK	H	Outer_Full	22.82	19.82	30.00	PASS
N66	15	40	DFT-16QAM	H	Inner_1RB_Left	22.86	19.86	30.00	PASS
N66	15	40	DFT-16QAM	H	Inner_1RB_Right	22.93	19.93	30.00	PASS



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N66	15	40	DFT-16QAM	H	Outer_Full	22.04	19.04	30.00	PASS
N66	15	40	DFT-64QAM	H	Inner_1RB_Left	21.41	18.41	30.00	PASS
N66	15	40	DFT-64QAM	H	Inner_1RB_Right	21.48	18.48	30.00	PASS
N66	15	40	DFT-64QAM	H	Outer_Full	21.41	18.41	30.00	PASS
N66	15	40	DFT-256QAM	H	Inner_1RB_Left	18.78	15.78	30.00	PASS
N66	15	40	DFT-256QAM	H	Inner_1RB_Right	19.07	16.07	30.00	PASS
N66	15	40	DFT-256QAM	H	Outer_Full	19.49	16.49	30.00	PASS



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Peak-to-Average Ratio for SA

Test Result

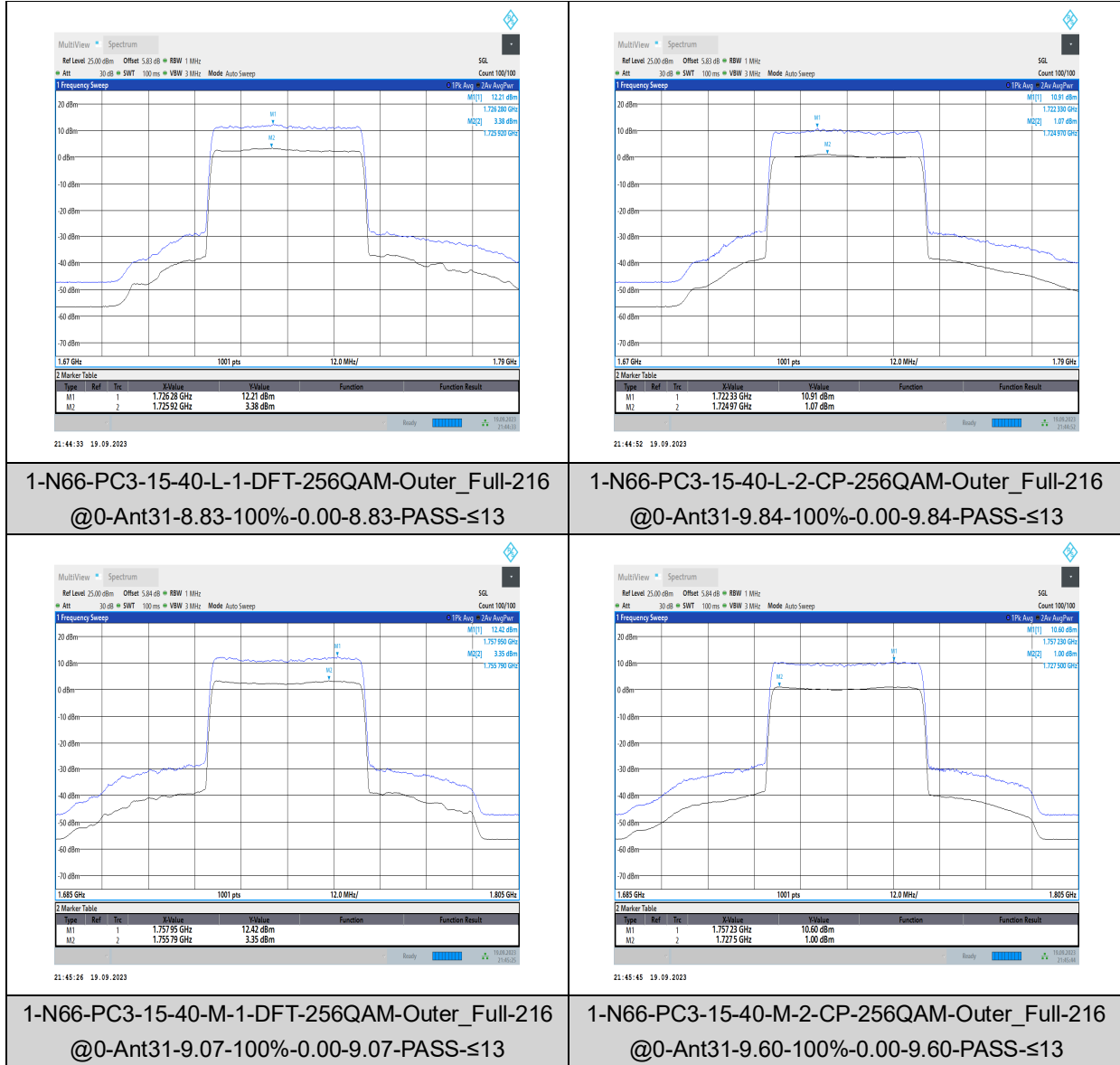
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result	Limit	Verdict
N66	15	40	DFT-256QAM	L	Outer_Full	8.83	≤13	PASS
N66	15	40	CP-256QAM	L	Outer_Full	9.84	≤13	PASS
N66	15	40	DFT-256QAM	M	Outer_Full	9.07	≤13	PASS
N66	15	40	CP-256QAM	M	Outer_Full	9.60	≤13	PASS
N66	15	40	DFT-256QAM	H	Outer_Full	9.05	≤13	PASS
N66	15	40	CP-256QAM	H	Outer_Full	9.62	≤13	PASS



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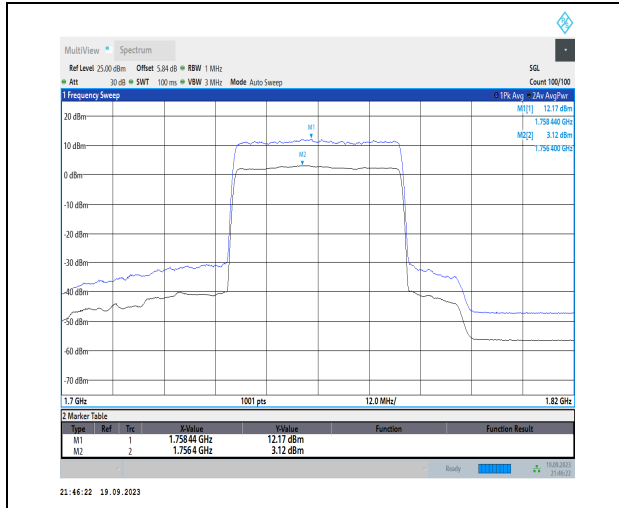
Test Graphs



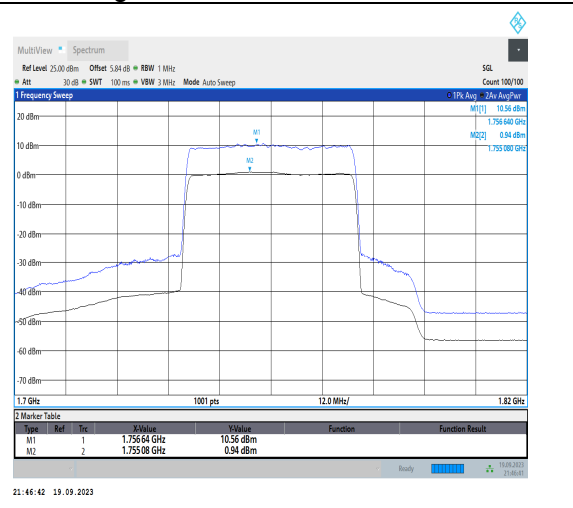
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1-N66-PC3-15-40-H-1-DFT-256QAM-Outer_Full-216
@0-Ant31-9.05-100%-0.00-9.05-PASS≤ 13



1-N66-PC3-15-40-H-2-CP-256QAM-Outer_Full-216
@0-Ant31-9.62-100%-0.00-9.62-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
N66	15	5	DFT-QPSK	M	Outer_Full	4.476	4.830	PASS
N66	15	5	DFT-PI2BPSK	M	Outer_Full	4.467	4.880	PASS
N66	15	5	DFT-16QAM	M	Outer_Full	4.48	4.880	PASS
N66	15	5	DFT-64QAM	M	Outer_Full	4.484	4.890	PASS
N66	15	5	DFT-256QAM	M	Outer_Full	4.469	4.870	PASS
N66	15	5	CP-QPSK	M	Outer_Full	4.476	4.900	PASS
N66	15	5	CP-16QAM	M	Outer_Full	4.484	4.870	PASS
N66	15	5	CP-64QAM	M	Outer_Full	4.477	4.890	PASS
N66	15	5	CP-256QAM	M	Outer_Full	4.464	4.890	PASS
N66	15	10	DFT-QPSK	M	Outer_Full	8.939	9.580	PASS
N66	15	10	DFT-PI2BPSK	M	Outer_Full	8.899	9.460	PASS
N66	15	10	DFT-16QAM	M	Outer_Full	8.943	9.500	PASS
N66	15	10	DFT-64QAM	M	Outer_Full	8.952	9.580	PASS
N66	15	10	DFT-256QAM	M	Outer_Full	8.94	9.500	PASS
N66	15	10	CP-QPSK	M	Outer_Full	9.288	9.980	PASS
N66	15	10	CP-16QAM	M	Outer_Full	9.274	9.820	PASS
N66	15	10	CP-64QAM	M	Outer_Full	9.279	9.920	PASS
N66	15	10	CP-256QAM	M	Outer_Full	9.295	10.000	PASS
N66	15	15	DFT-QPSK	M	Outer_Full	13.431	14.220	PASS
N66	15	15	DFT-PI2BPSK	M	Outer_Full	13.428	14.220	PASS
N66	15	15	DFT-16QAM	M	Outer_Full	13.482	14.220	PASS
N66	15	15	DFT-64QAM	M	Outer_Full	13.448	14.220	PASS
N66	15	15	DFT-256QAM	M	Outer_Full	13.444	14.130	PASS
N66	15	15	CP-QPSK	M	Outer_Full	14.136	14.940	PASS
N66	15	15	CP-16QAM	M	Outer_Full	14.12	14.910	PASS
N66	15	15	CP-64QAM	M	Outer_Full	14.133	14.910	PASS
N66	15	15	CP-256QAM	M	Outer_Full	14.118	14.940	PASS
N66	15	20	DFT-QPSK	M	Outer_Full	17.899	18.720	PASS
N66	15	20	DFT-PI2BPSK	M	Outer_Full	17.888	18.760	PASS
N66	15	20	DFT-16QAM	M	Outer_Full	17.897	18.680	PASS
N66	15	20	DFT-64QAM	M	Outer_Full	17.897	18.680	PASS



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N66	15	20	CP-QPSK	M	Outer_Full	18.929	19.840	PASS
N66	15	20	CP-16QAM	M	Outer_Full	18.97	19.880	PASS
N66	15	20	CP-64QAM	M	Outer_Full	18.943	19.720	PASS
N66	15	20	CP-256QAM	M	Outer_Full	18.927	19.800	PASS
N66	15	30	DFT-QPSK	M	Outer_Full	28.645	29.700	PASS
N66	15	30	DFT-PI2BPSK	M	Outer_Full	28.623	29.640	PASS
N66	15	30	DFT-16QAM	M	Outer_Full	28.664	29.580	PASS
N66	15	30	DFT-64QAM	M	Outer_Full	28.612	29.760	PASS
N66	15	30	DFT-256QAM	M	Outer_Full	28.607	29.700	PASS
N66	15	30	CP-QPSK	M	Outer_Full	28.575	29.700	PASS
N66	15	30	CP-16QAM	M	Outer_Full	28.607	29.760	PASS
N66	15	30	CP-64QAM	M	Outer_Full	28.558	29.700	PASS
N66	15	30	CP-256QAM	M	Outer_Full	28.567	29.700	PASS
N66	15	40	DFT-QPSK	M	Outer_Full	38.581	40.240	PASS
N66	15	40	DFT-PI2BPSK	M	Outer_Full	38.566	40.160	PASS
N66	15	40	DFT-16QAM	M	Outer_Full	38.59	40.160	PASS
N66	15	40	DFT-64QAM	M	Outer_Full	38.592	40.160	PASS
N66	15	40	DFT-256QAM	M	Outer_Full	38.603	40.160	PASS
N66	15	40	CP-QPSK	M	Outer_Full	38.539	40.160	PASS
N66	15	40	CP-16QAM	M	Outer_Full	38.52	40.160	PASS
N66	15	40	CP-64QAM	M	Outer_Full	38.687	40.000	PASS
N66	15	40	CP-256QAM	M	Outer_Full	38.59	40.160	PASS

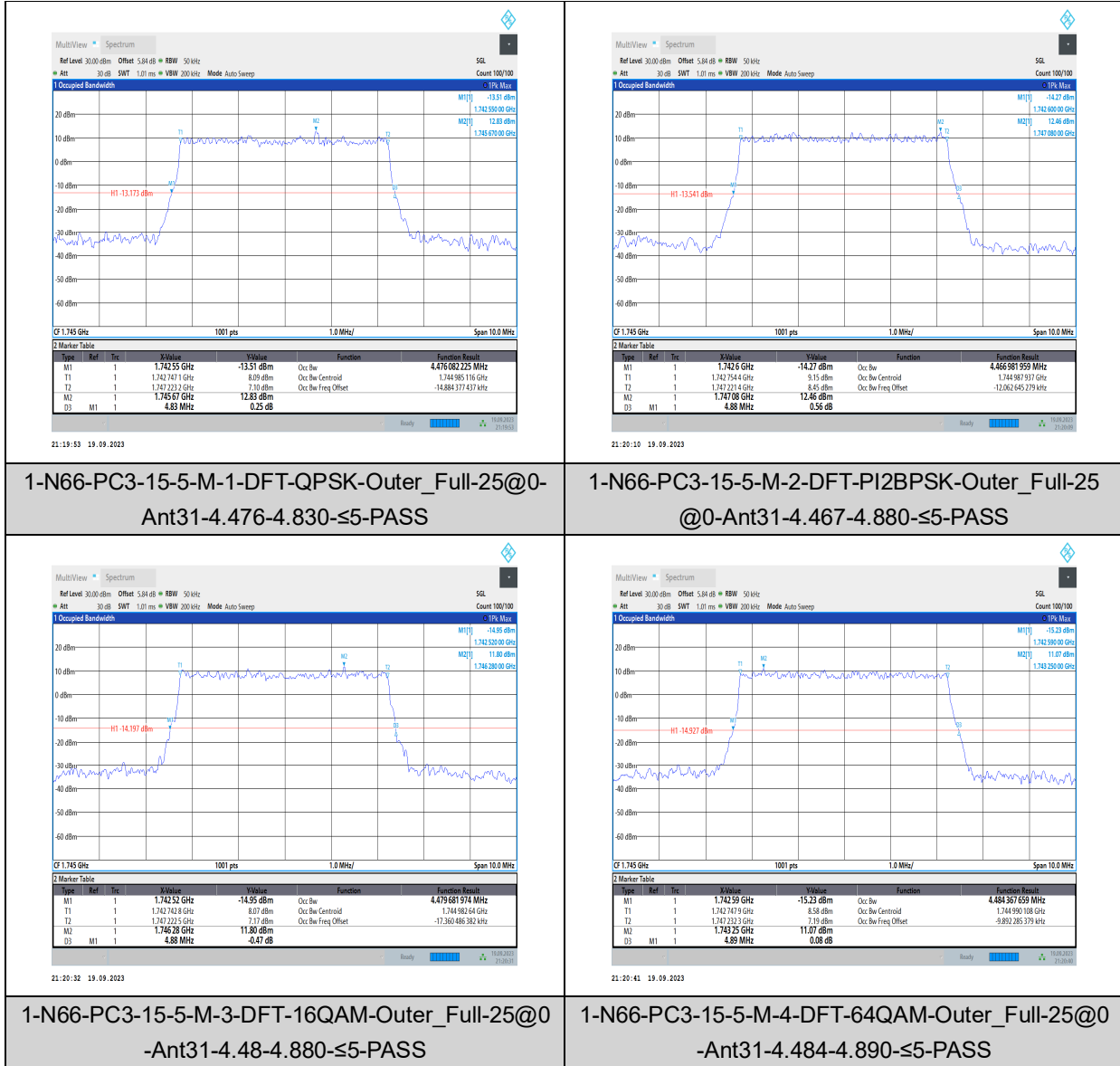


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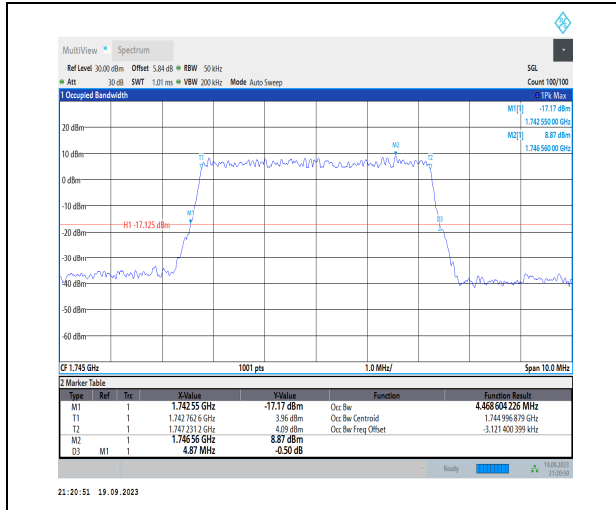
Test Graphs



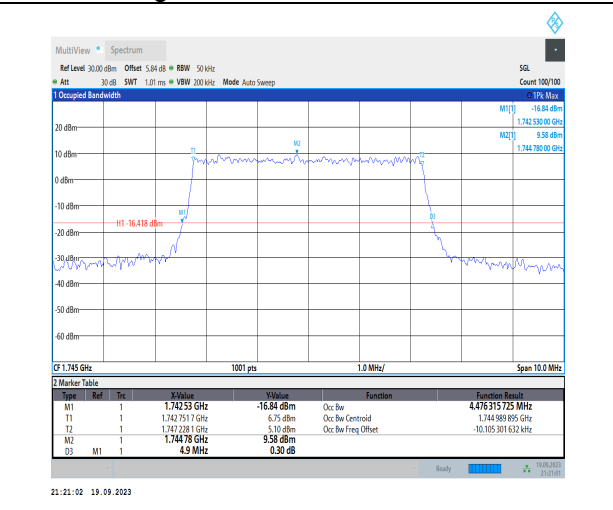
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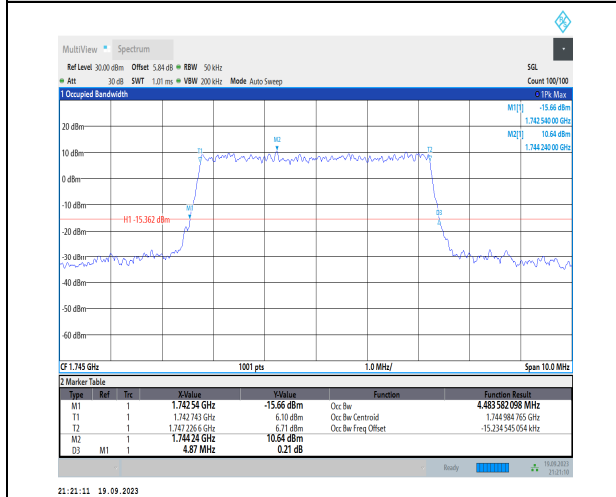
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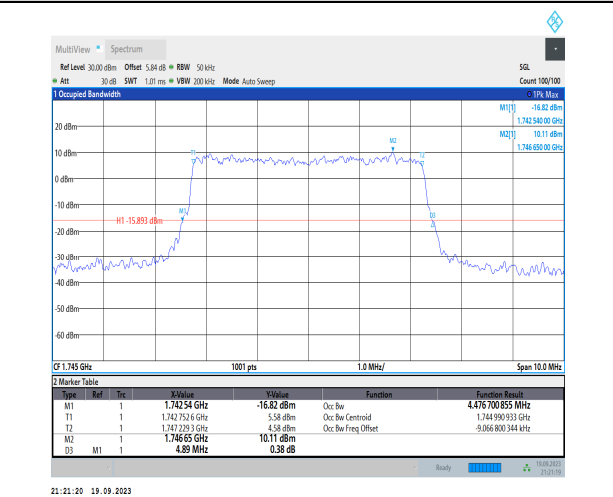
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1-N66-PC3-15-5-M-6-CP-QPSK-Outer_Full-25@0-A
nt31-4.476-4.900- \leq 5-PASS



1-N66-PC3-15-5-M-7-CP-16QAM-Outer_Full-25@0-
Ant31-4.484-4.870- \leq 5-PASS



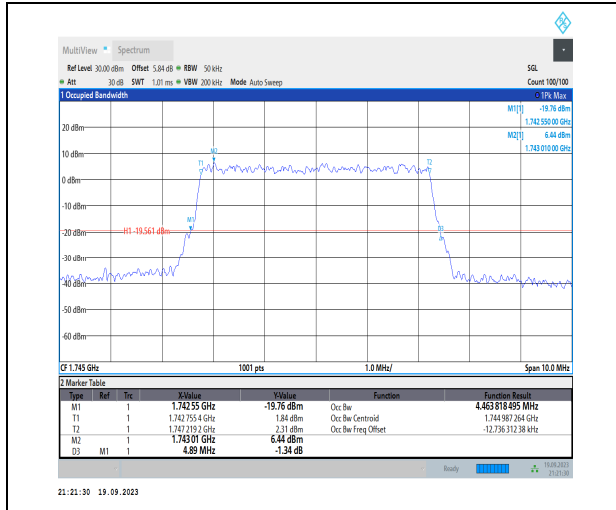
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Ant31-4.477-4.890- \leq 5-PASS



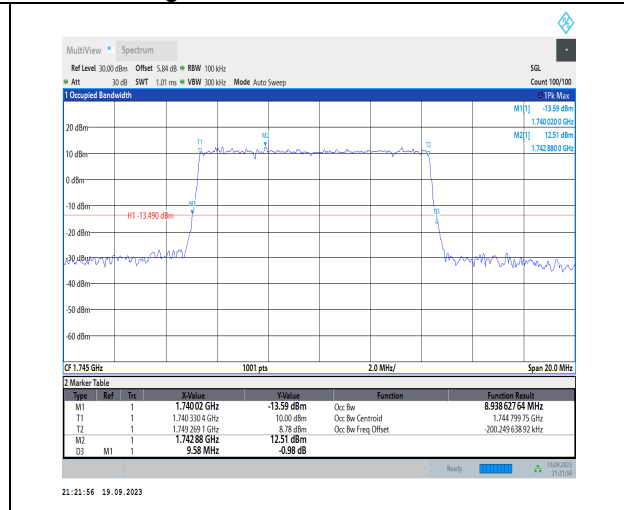
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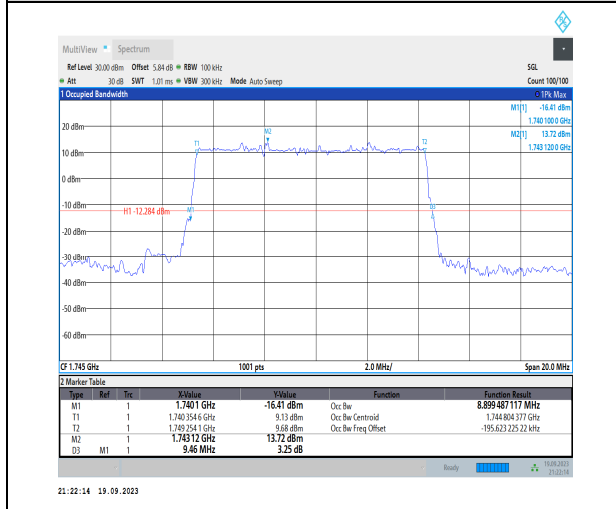
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1-N66-PC3-15-5-M-9-CP-256QAM-Outer_Full-25@0
-Ant31-4.464-4.890-≤5-PASS



1-N66-PC3-15-10-M-1-DFT-QPSK-Outer_Full-50@0
-Ant31-8.939-9.580-≤10-PASS



1-N66-PC3-15-10-M-2-DFT-PI2BPSK-Outer_Full-50
@0-Ant31-8.899-9.460-≤10-PASS



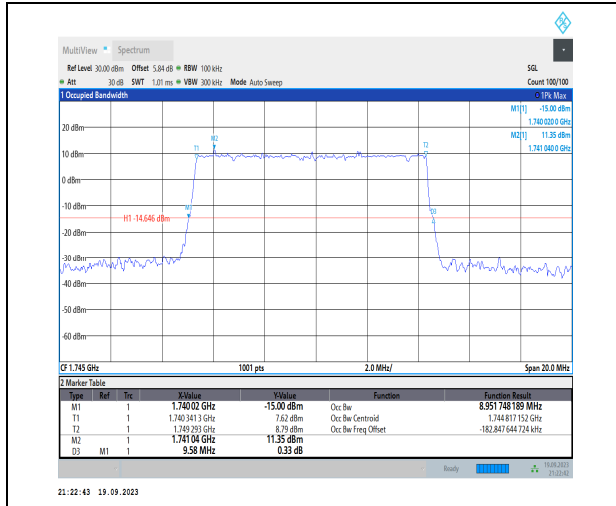
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-Ant31-8.943-9.500-≤10-PASS



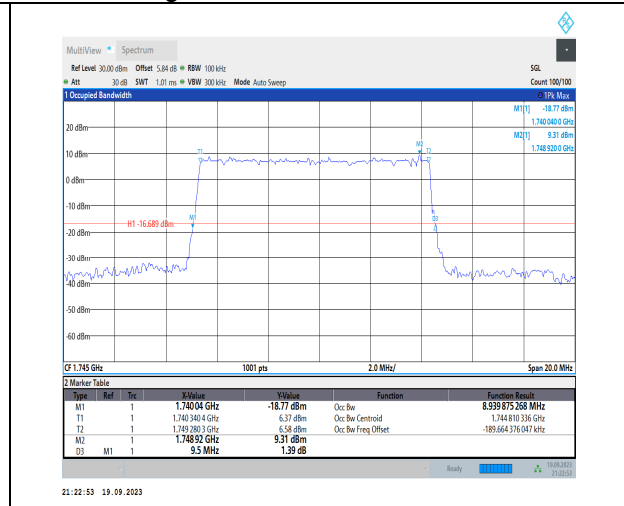
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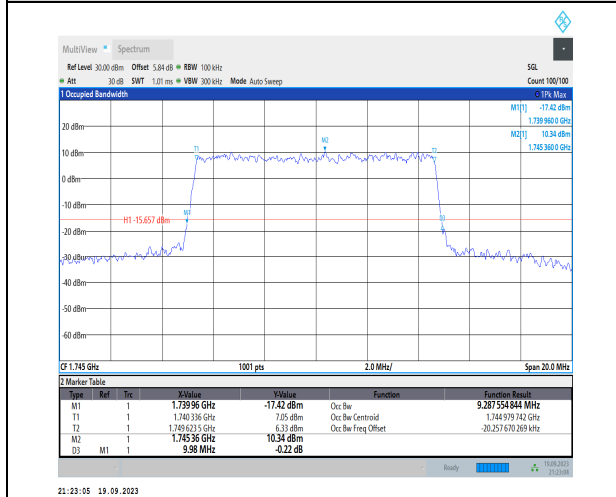
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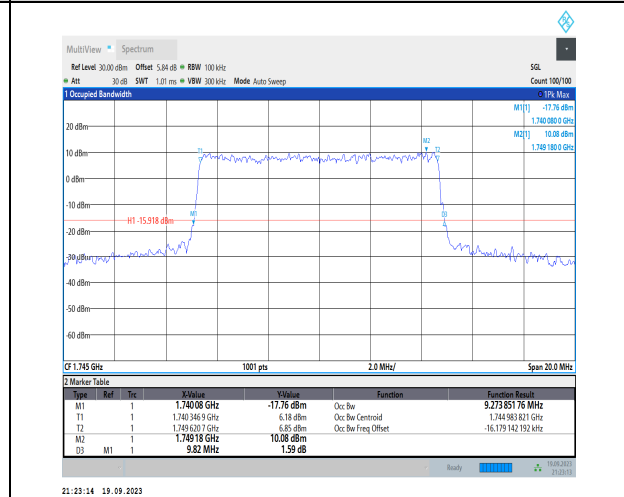
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0-Ant31-8.952-9.580-≤10-PASS



1-N66-PC3-15-10-M-5-DFT-256QAM-Outer_Full-50
@0-Ant31-8.94-9.500-≤10-PASS



1-N66-PC3-15-10-M-6-CP-QPSK-Outer_Full-52@0-
Ant31-9.288-9.980-≤10-PASS



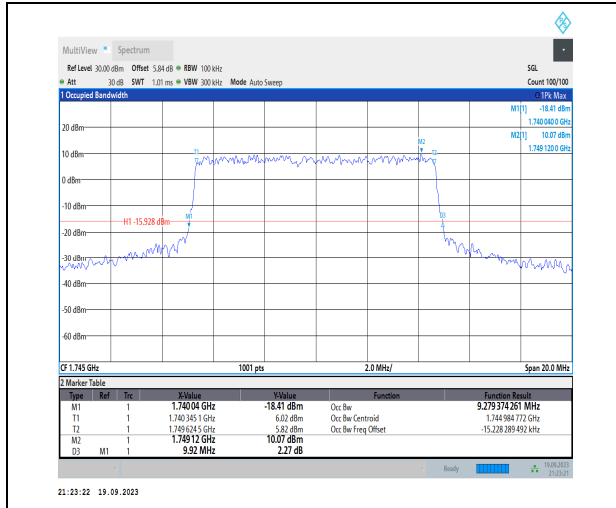
1-N66-PC3-15-10-M-7-CP-16QAM-Outer_Full-52@0
-Ant31-9.274-9.820-≤10-PASS



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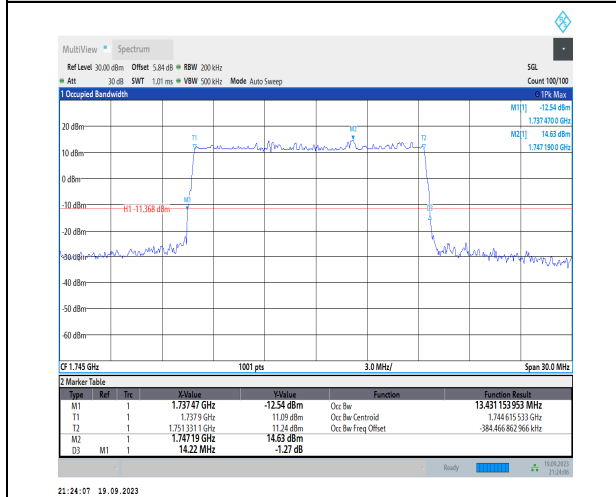
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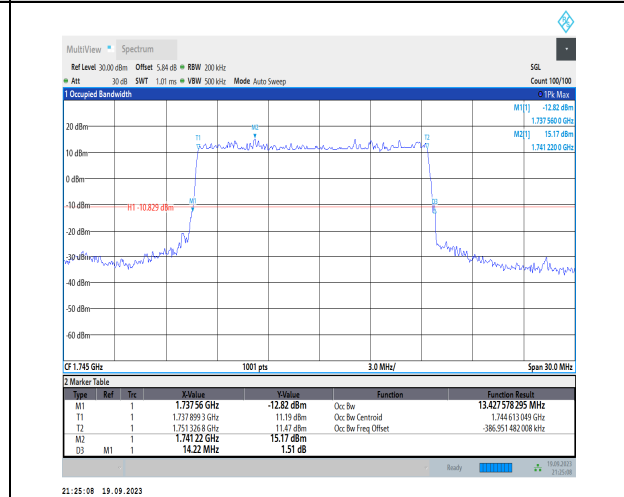
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-Ant31-9.279-9.920-≤10-PASS



1-N66-PC3-15-10-M-9-CP-256QAM-Outer_Full-52@0
0-Ant31-9.295-10.000-≤10-PASS



1-N66-PC3-15-15-M-1-DFT-QPSK-Outer_Full-75@0
-Ant31-13.431-14.220-≤15-PASS



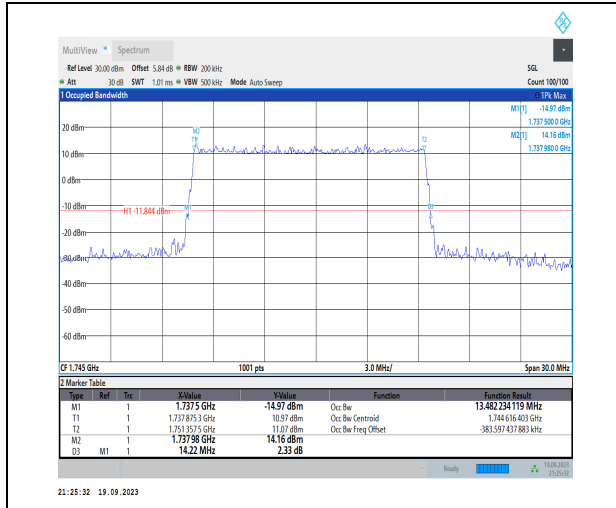
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@0-Ant31-13.428-14.220-≤15-PASS



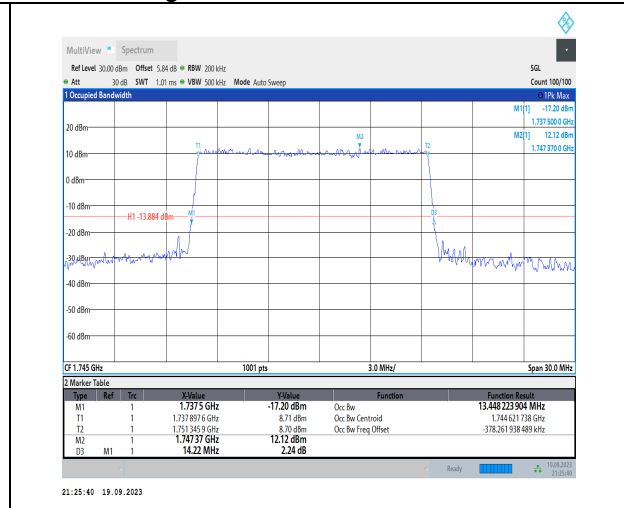
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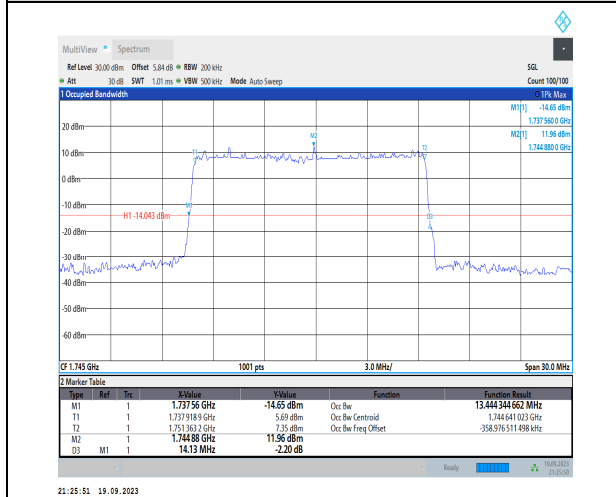
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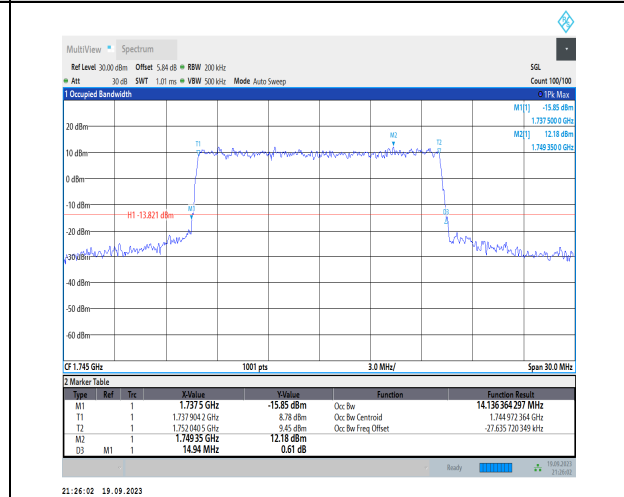
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0-Ant31-13.448-14.220-≤15-PASS



1-N66-PC3-15-15-M-5-DFT-256QAM-Outer_Full-75
@0-Ant31-13.444-14.130-≤15-PASS



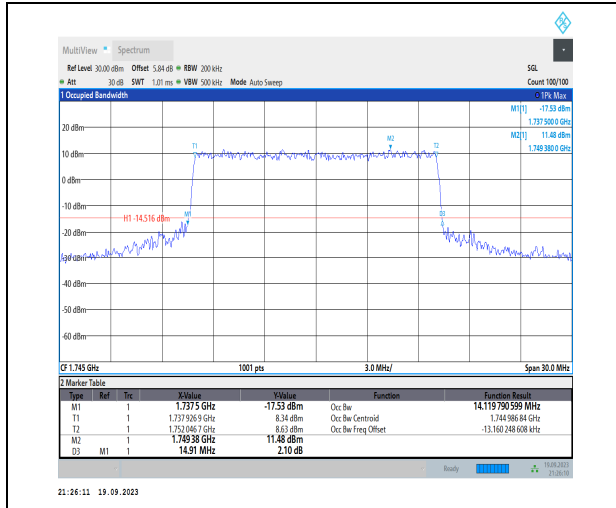
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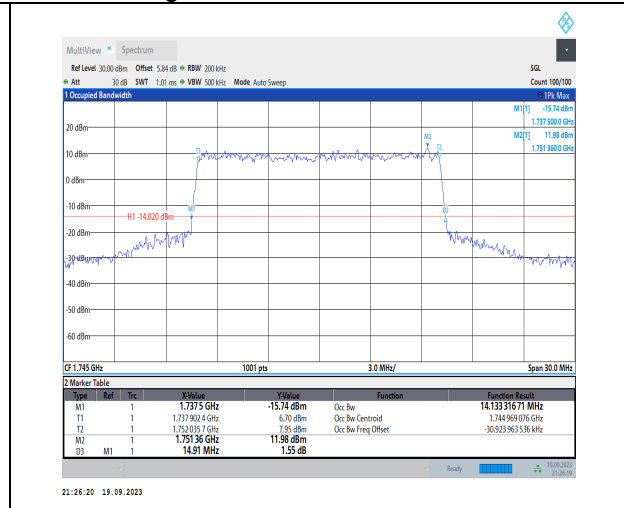
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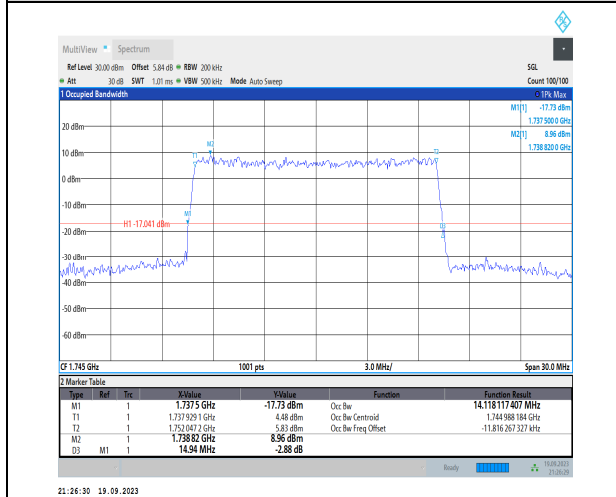
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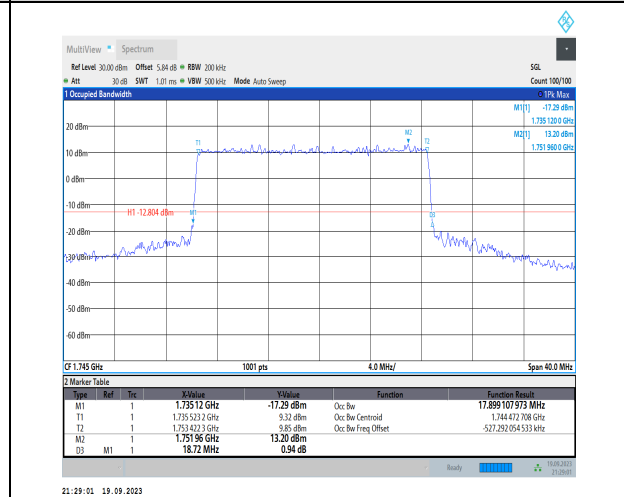
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-Ant31-14.12-14.910-≤15-PASS



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-Ant31-14.133-14.910-≤15-PASS



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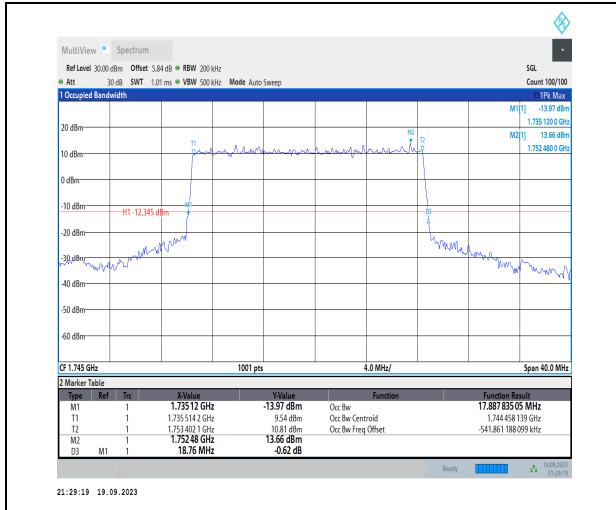
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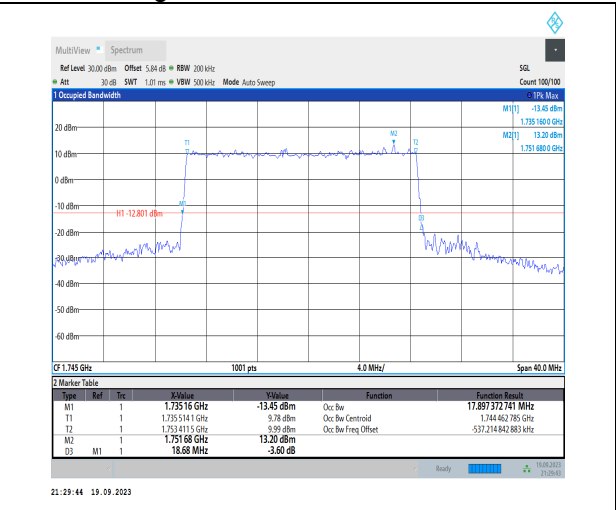
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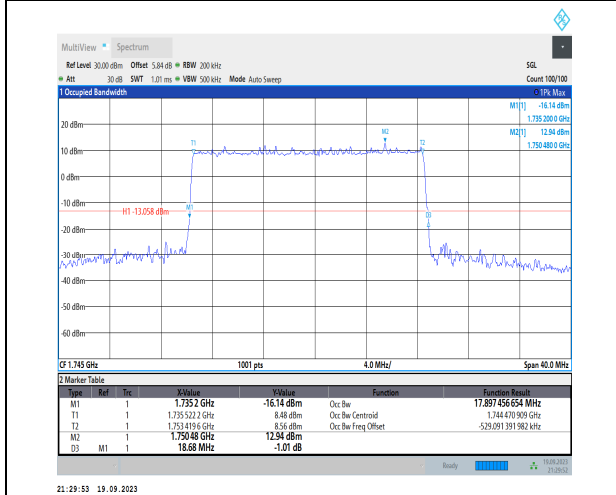
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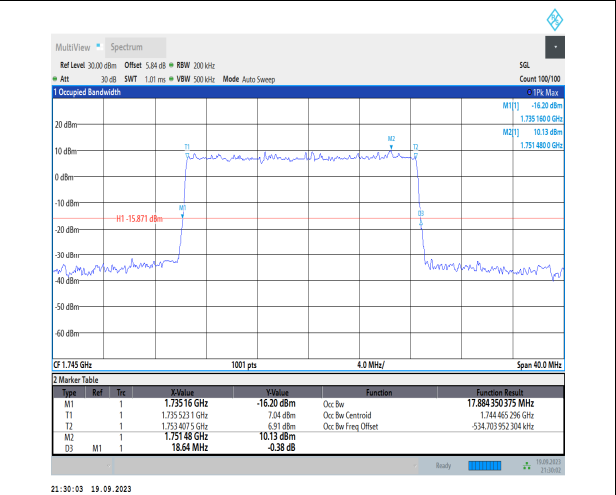
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@0-Ant31-17.888-18.760-≤20-PASS



1-N66-PC3-15-20-M-3-DFT-16QAM-Outer_Full-100
@0-Ant31-17.897-18.680-≤20-PASS



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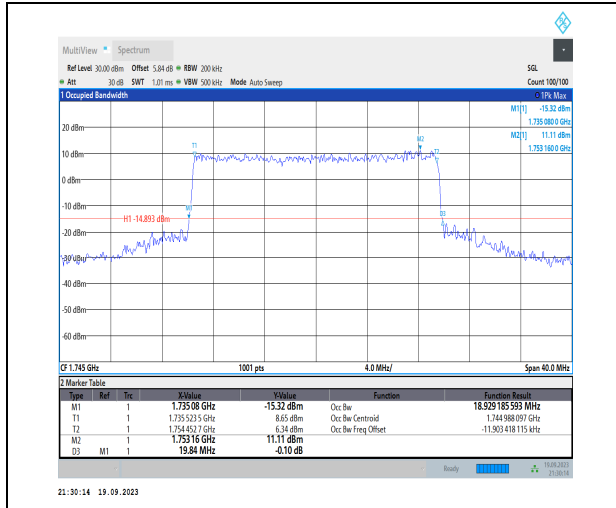
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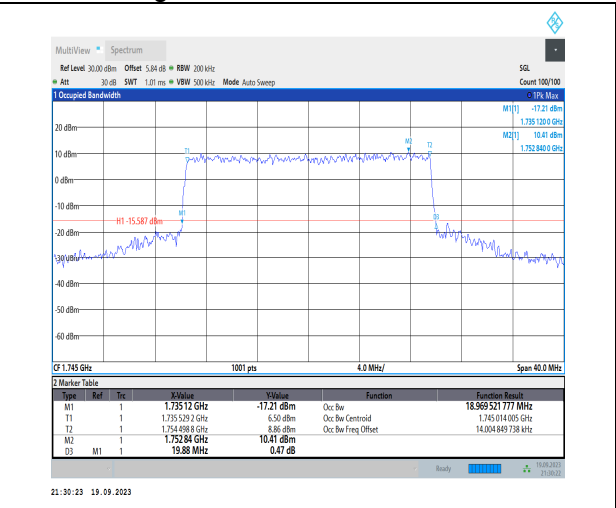
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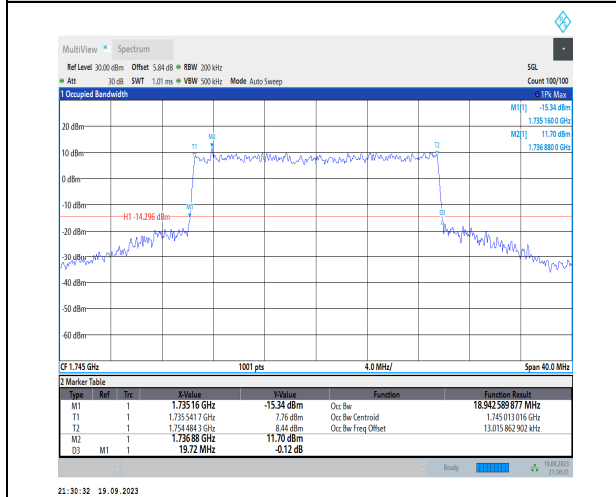
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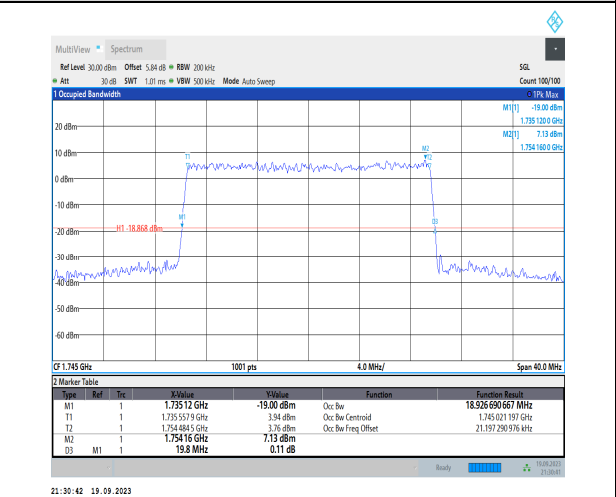
1-N66-PC3-15-20-M-6-CP-QPSK-Outer_Full-106@0
-Ant31-18.929-19.840-≤20-PASS



1-N66-PC3-15-20-M-7-CP-16QAM-Outer_Full-106@0
0-Ant31-18.97-19.880-≤20-PASS



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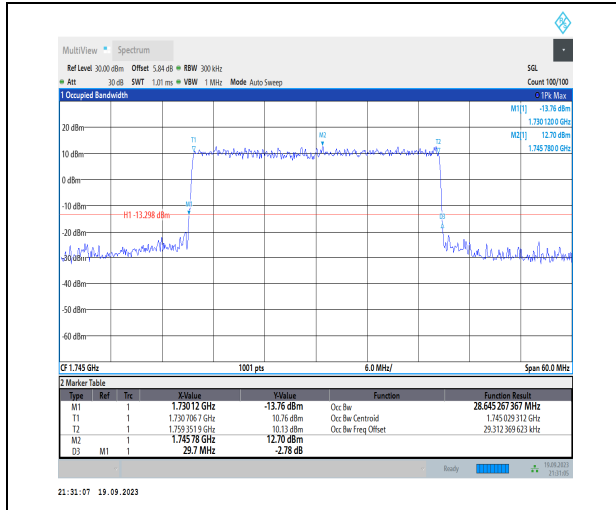
1-N66-PC3-15-20-M-9-CP-256QAM-Outer_Full-106@0
@0-Ant31-18.927-19.800-≤20-PASS



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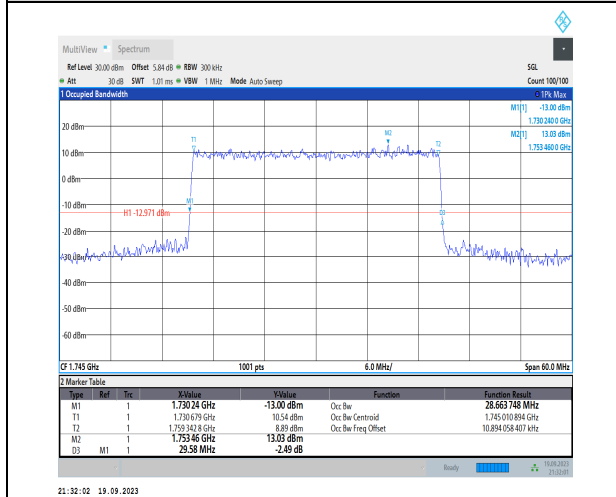
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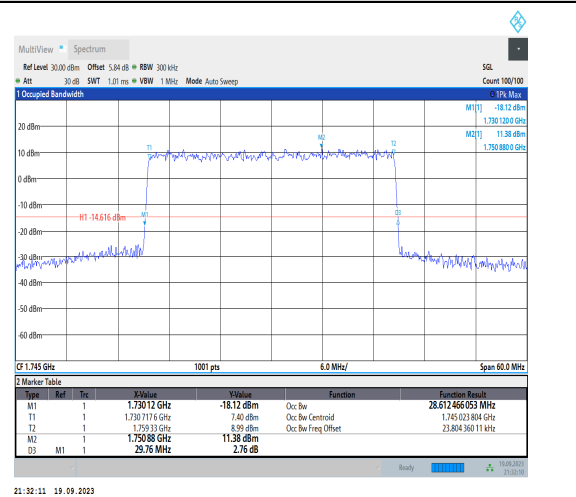
1-N66-PC3-15-30-M-1-DFT-QPSK-Outer_Full-160@0-Ant31-28.645-29.700-≤30-PASS



1-N66-PC3-15-30-M-2-DFT-PI2BPSK-Outer_Full-160@0-Ant31-28.623-29.640-≤30-PASS



1-N66-PC3-15-30-M-3-DFT-16QAM-Outer_Full-160@0-Ant31-28.664-29.580-≤30-PASS



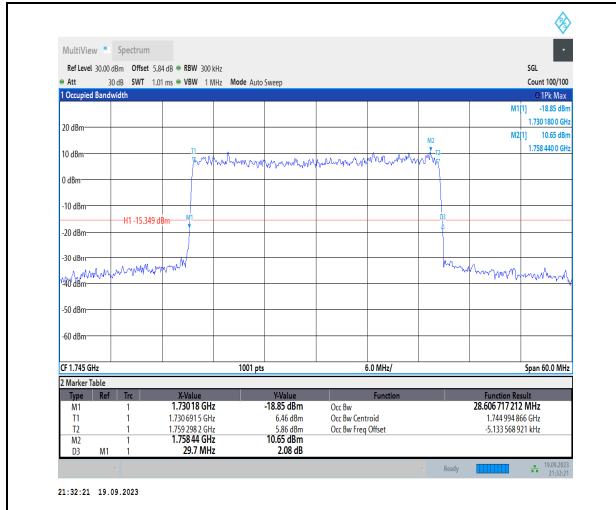
1-N66-PC3-15-30-M-4-DFT-64QAM-Outer_Full-160@0-Ant31-28.612-29.760-≤30-PASS



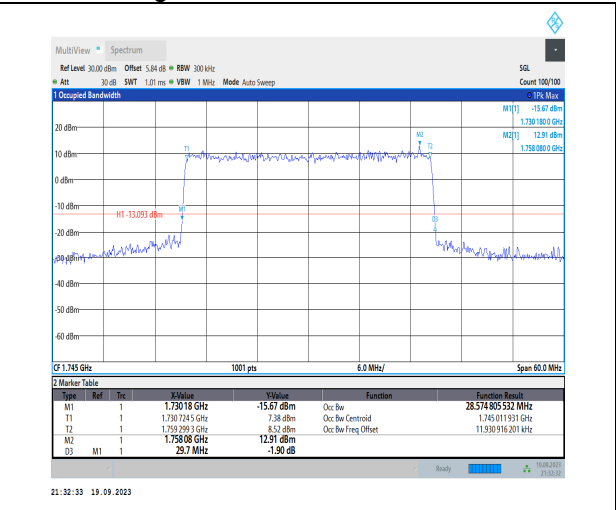
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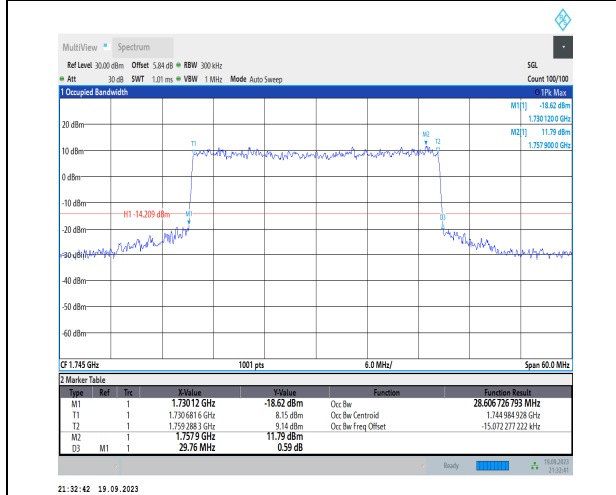
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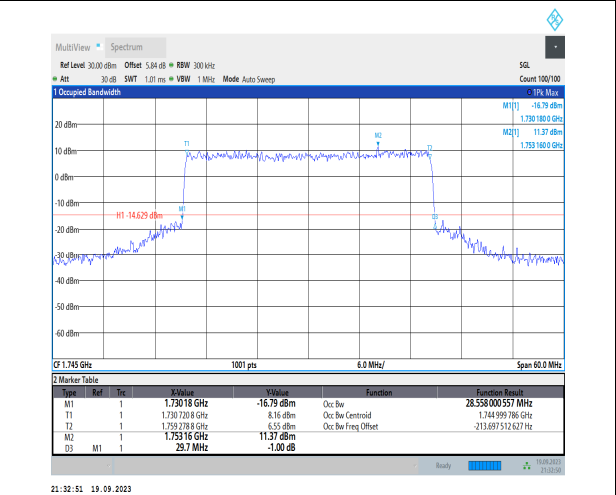
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1-N66-PC3-15-30-M-6-CP-QPSK-Outer_Full-160@0-Ant31-28.575-29.700-≤30-PASS



1-N66-PC3-15-30-M-7-CP-16QAM-Outer_Full-160@0-Ant31-28.607-29.760-≤30-PASS



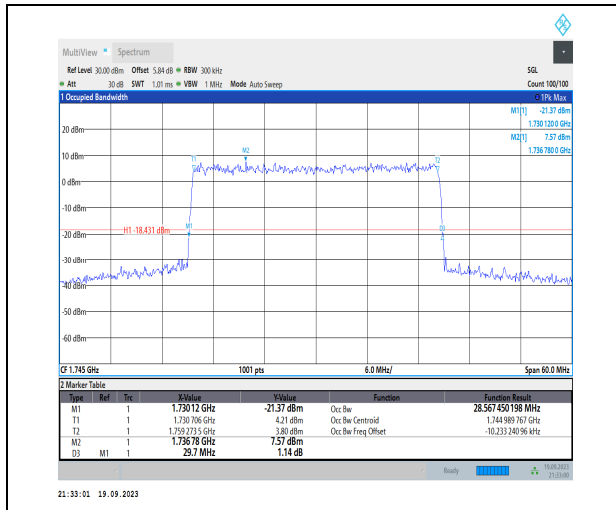
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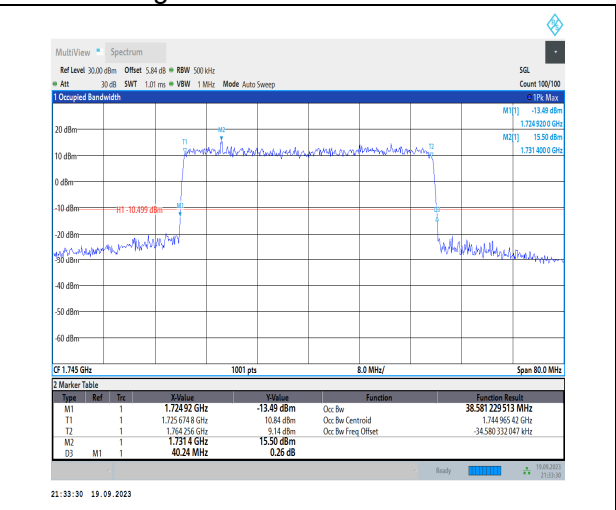
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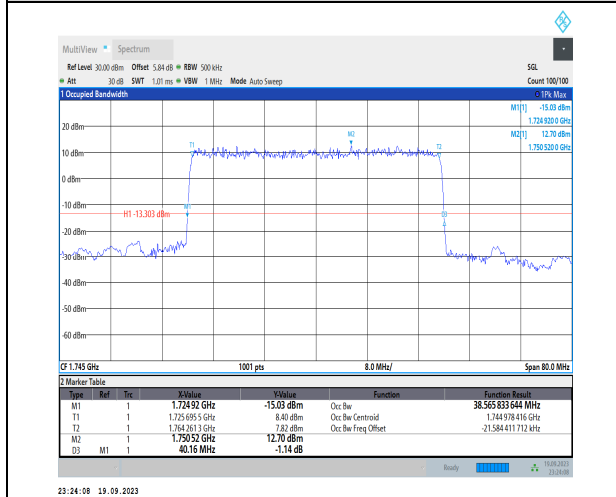
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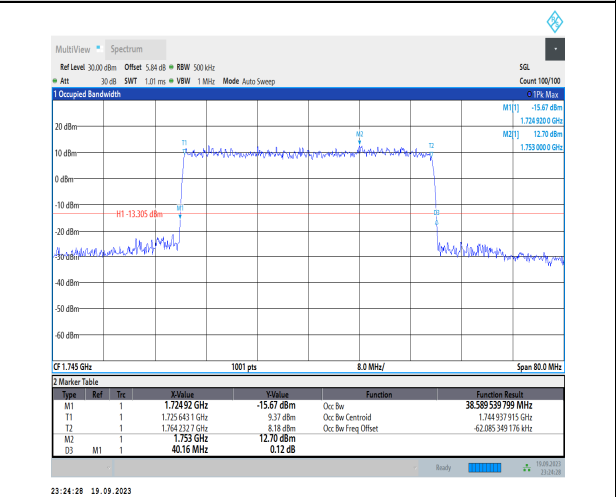
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@0-Ant31-28.567-29.700-≤30-PASS



1-N66-PC3-15-40-M-1-DFT-QPSK-Outer_Full-216@
0-Ant31-38.581-40.240-≤40-PASS



1-N66-PC3-15-40-M-2-DFT-PI2BPSK-Outer_Full-21
6@0-Ant31-38.566-40.160-≤40-PASS



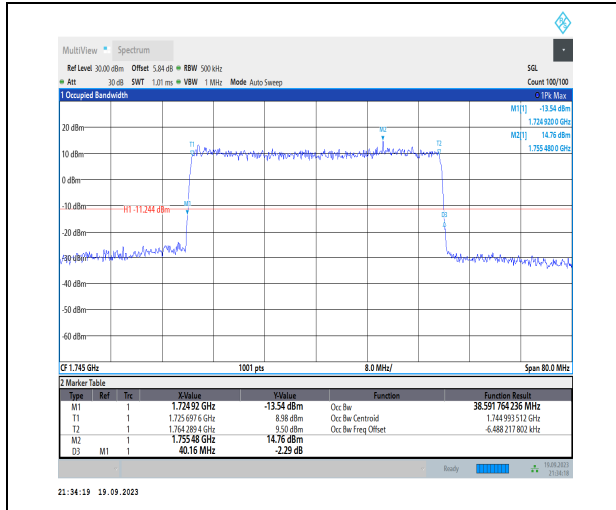
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@0-Ant31-38.59-40.160-≤40-PASS



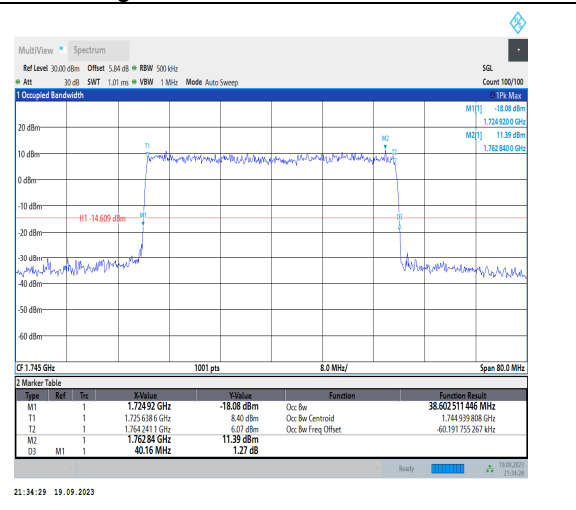
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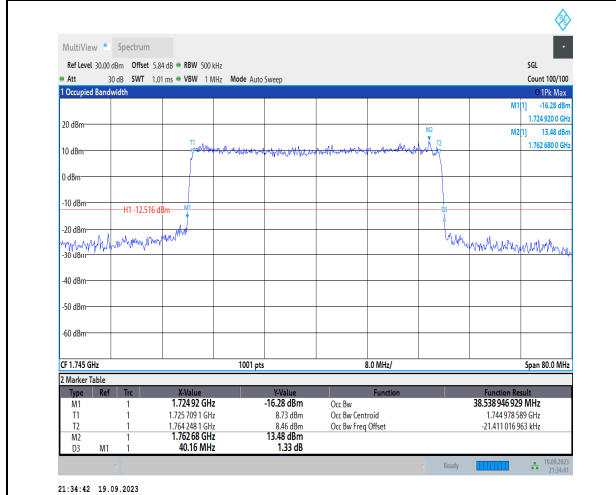
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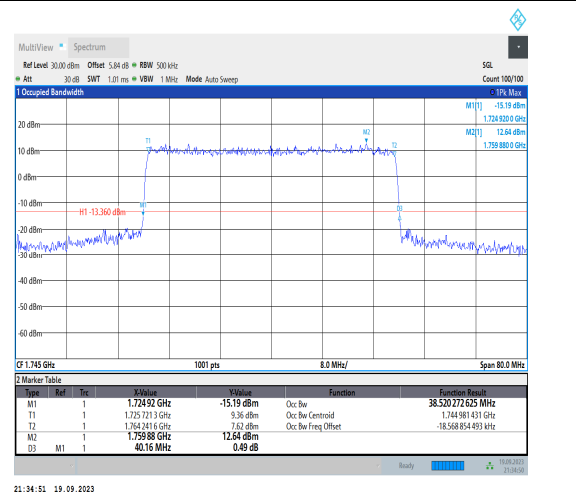
1-N66-PC3-15-40-M-4-DFT-64QAM-Outer_Full-216 @0-Ant31-38.592-40.160-≤ 40-PASS



1-N66-PC3-15-40-M-5-DFT-256QAM-Outer_Full-216 @0-Ant31-38.603-40.160-≤ 40-PASS



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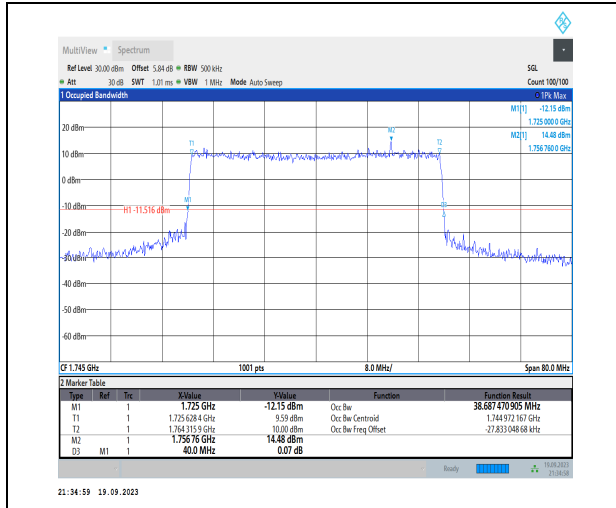
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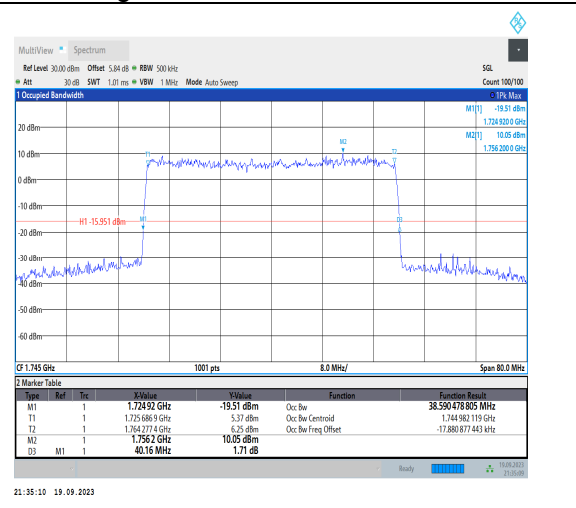
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1-N66-PC3-15-40-M-8-CP-64QAM-Outer_Full-216@
0-Ant31-38.687-40.000-<40-PASS



1-N66-PC3-15-40-M-9-CP-256QAM-Outer_Full-216
@0-Ant31-38.59-40.160-<40-PASS



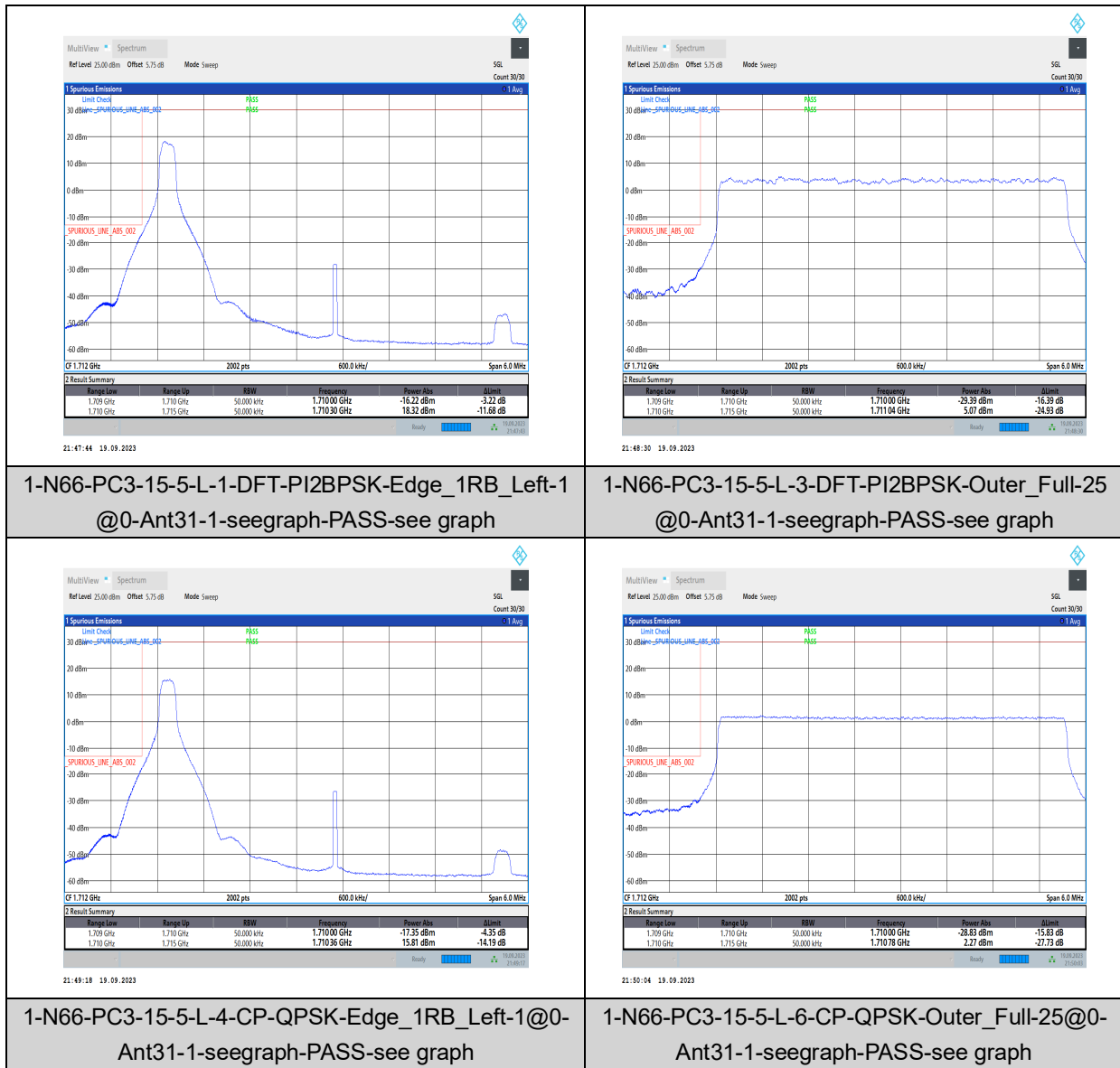
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Band Edge for SA

Test Graphs



1-N66-PC3-15-5-L-1-DFT-PI2BPSK-Edge_1RB_Left-1 @0-Ant31-1-seegraph-PASS-see graph

1-N66-PC3-15-5-L-3-DFT-PI2BPSK-Outer_Full-25 @0-Ant31-1-seegraph-PASS-see graph

1-N66-PC3-15-5-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant31-1-seegraph-PASS-see graph

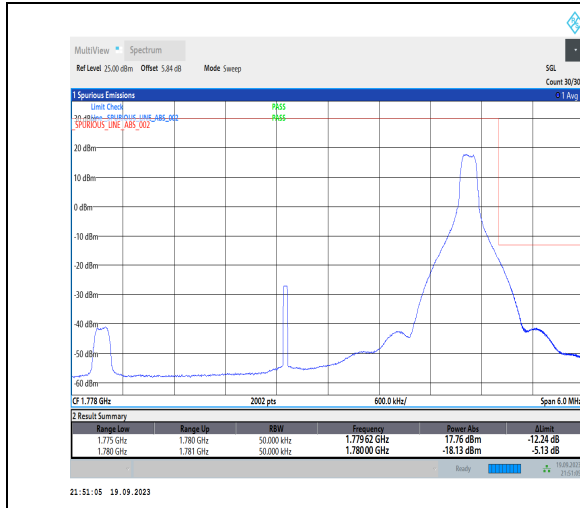
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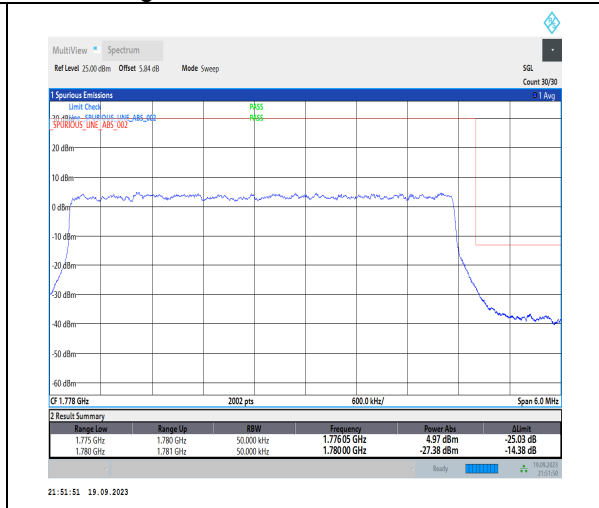
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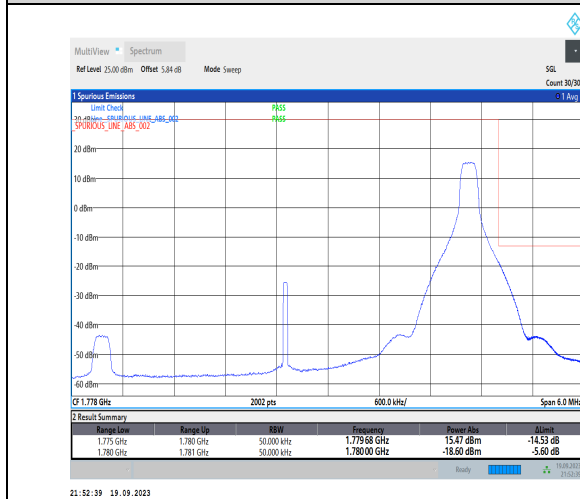
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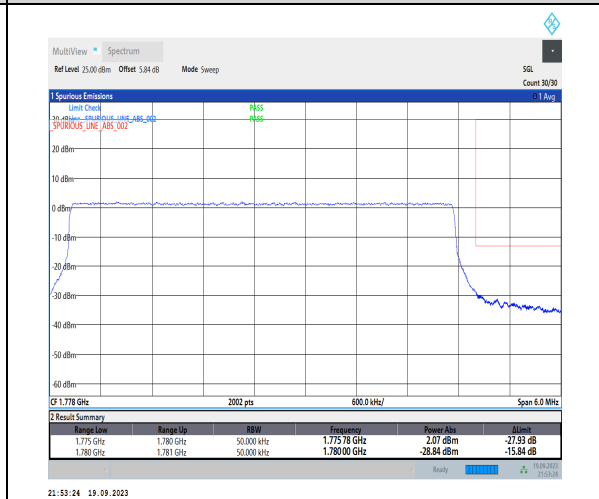
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1-N66-PC3-15-5-H-3-DFT-PI2BPSK-Outer_Full-25@0-Ant31-1-seegraph-PASS-see graph



1-N66-PC3-15-5-H-5-CP-QPSK-Edge_1RB_Right-1@24-Ant31-1-seegraph-PASS-see graph



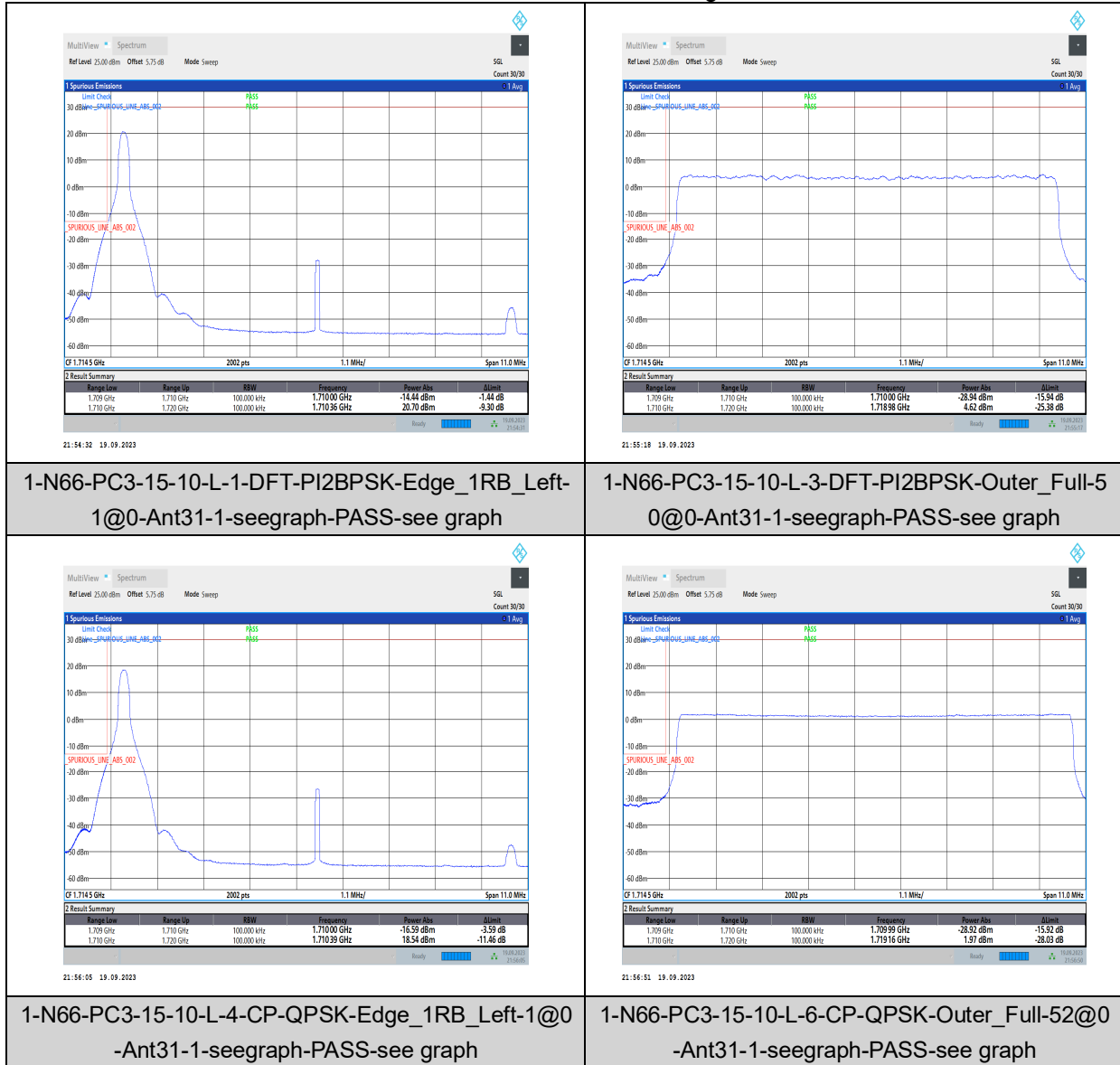
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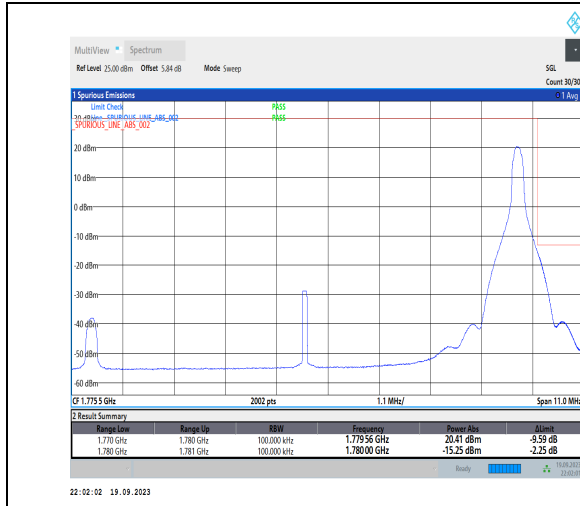
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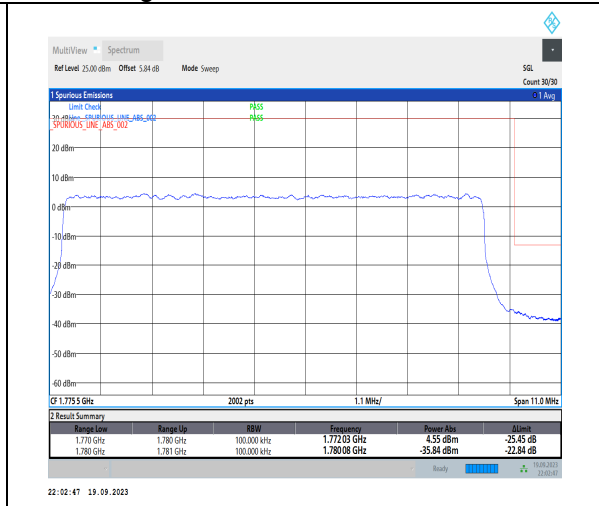
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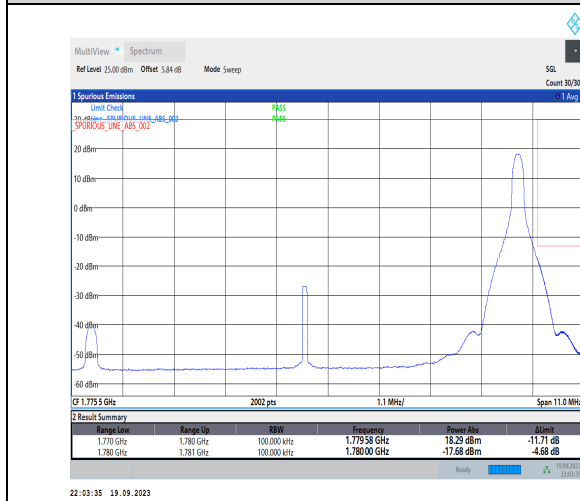
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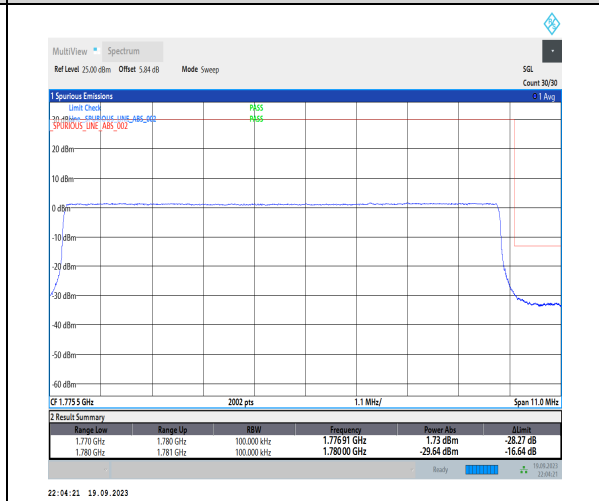
1-N66-PC3-15-10-H-2-DFT-PI2BPSK-Edge_1RB_Right t-1@51-Ant31-1-seegraph-PASS-see graph



1-N66-PC3-15-10-H-3-DFT-PI2BPSK-Outer_Full-5 0@0-Ant31-1-seegraph-PASS-see graph



1-N66-PC3-15-10-H-5-CP-QPSK-Edge_1RB_Right-1 @51-Ant31-1-seegraph-PASS-see graph



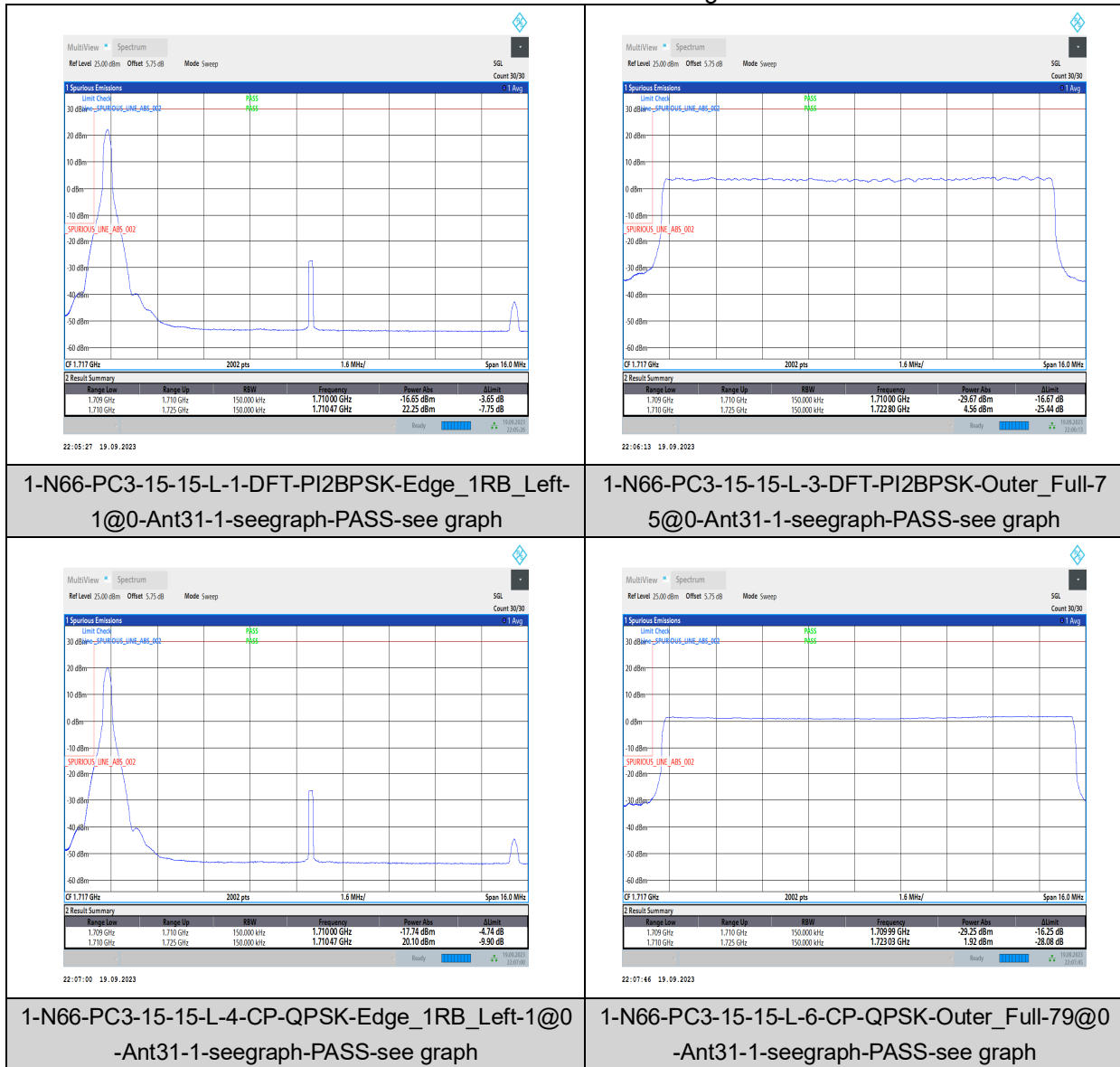
1-N66-PC3-15-10-H-6-CP-QPSK-Outer_Full-52@ 0-Ant31-1-seegraph-PASS-see graph



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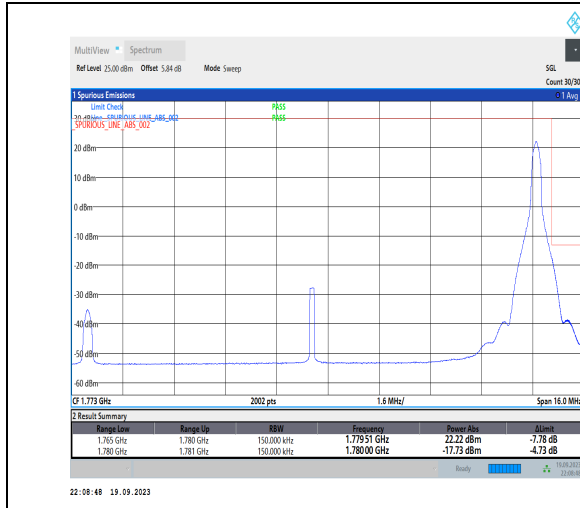
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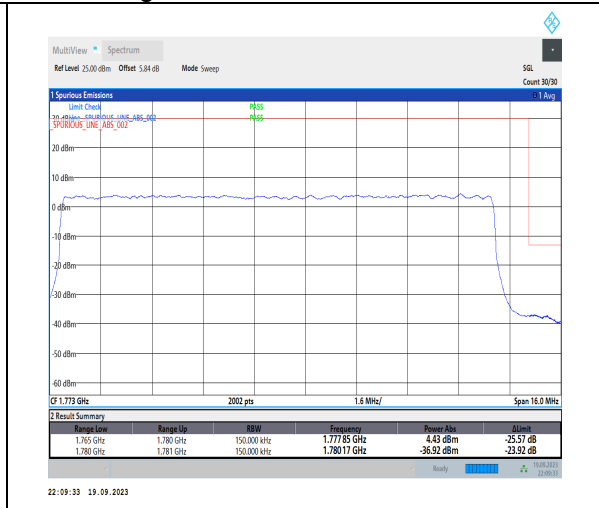
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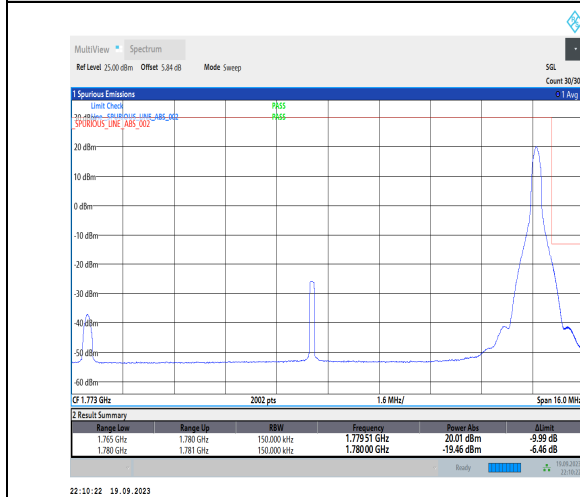
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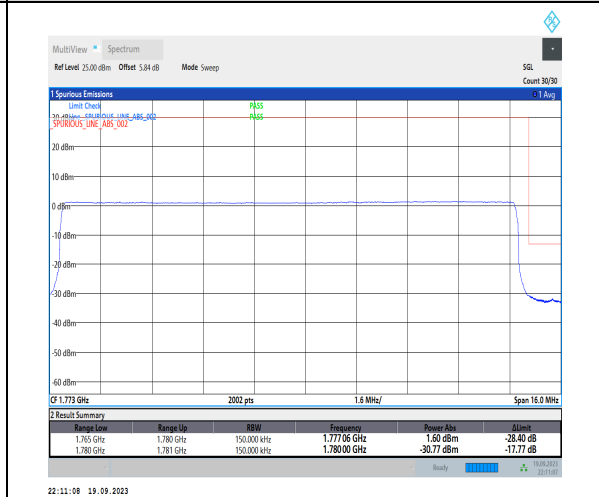
1-N66-PC3-15-15-H-2-DFT-PI2BPSK-Edge_1RB_Right t-1@78-Ant31-1-seegraph-PASS-see graph



1-N66-PC3-15-15-H-3-DFT-PI2BPSK-Outer_Full-7 5@0-Ant31-1-seegraph-PASS-see graph



1-N66-PC3-15-15-H-5-CP-QPSK-Edge_1RB_Right-1 @78-Ant31-1-seegraph-PASS-see graph



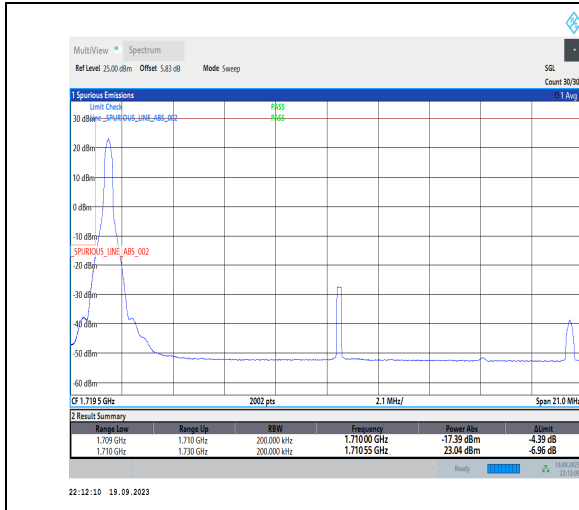
1-N66-PC3-15-15-H-6-CP-QPSK-Outer_Full-79@ 0-Ant31-1-seegraph-PASS-see graph



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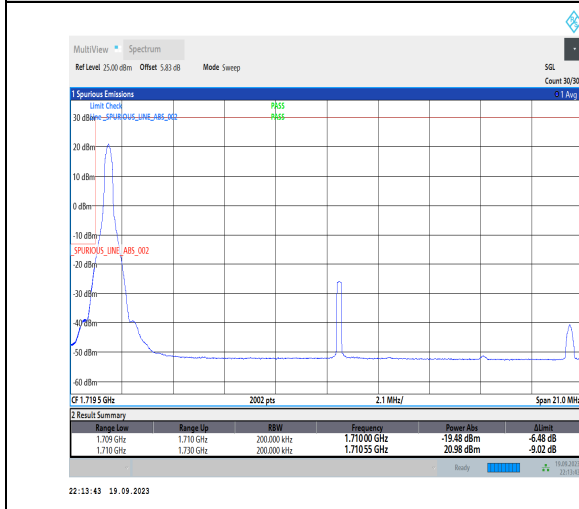
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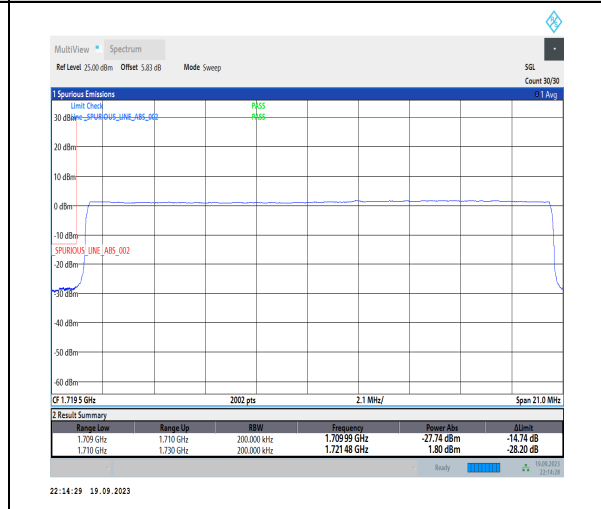
1-N66-PC3-15-20-L-1-DFT-PI2BPSK-Edge_1RB_Left-1@0-Ant31-1-seegraph-PASS-see graph



1-N66-PC3-15-20-L-3-DFT-PI2BPSK-Outer_Full-100@0-Ant31-1-seegraph-PASS-see graph



1-N66-PC3-15-20-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant31-1-seegraph-PASS-see graph



1-N66-PC3-15-20-L-6-CP-QPSK-Outer_Full-106@0-Ant31-1-seegraph-PASS-see graph



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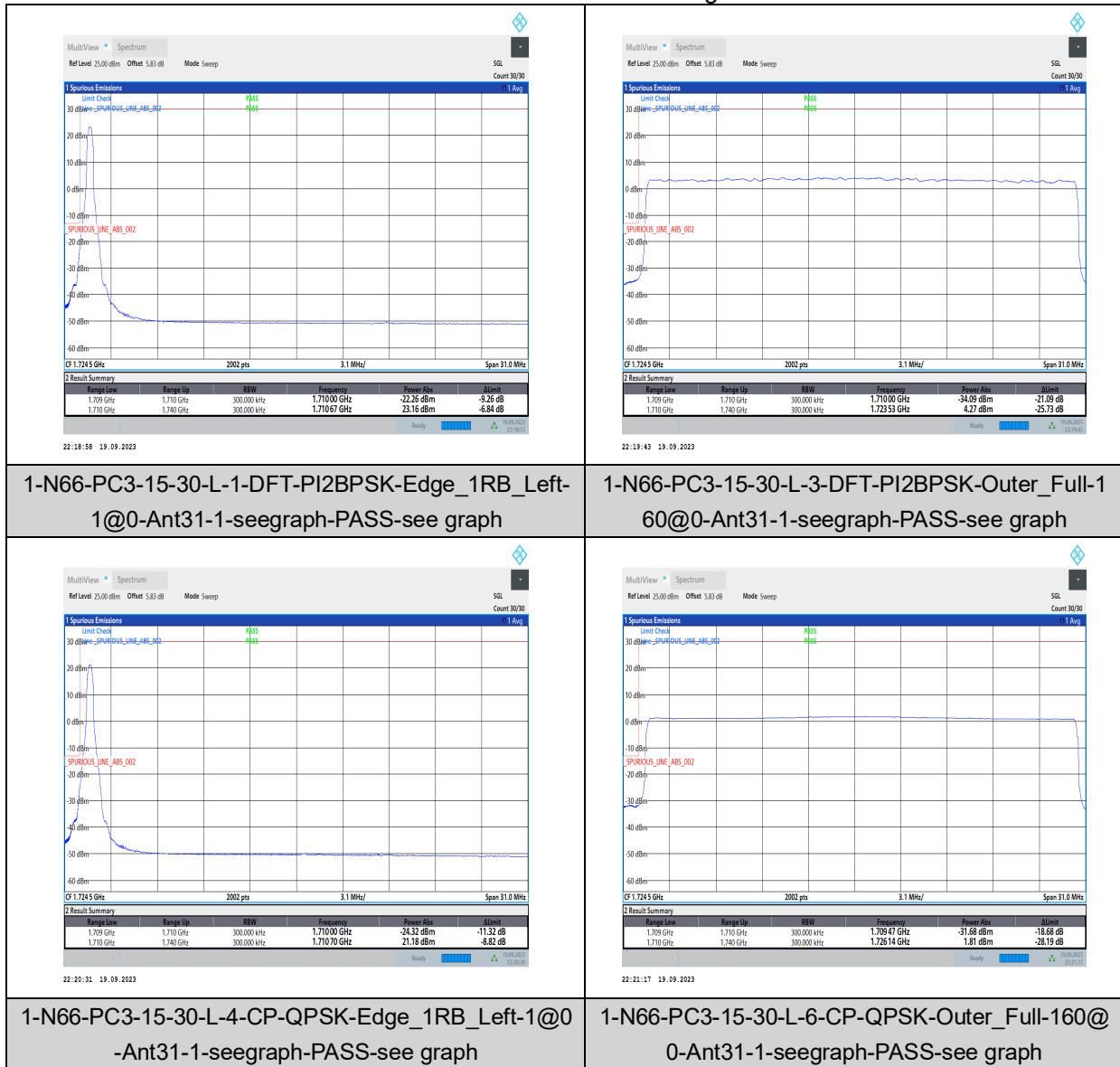
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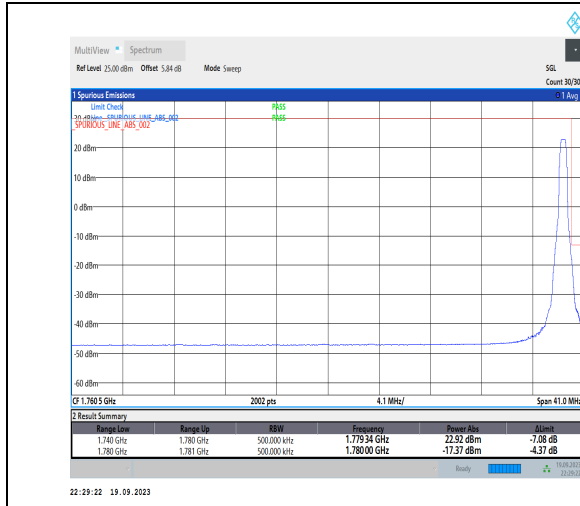
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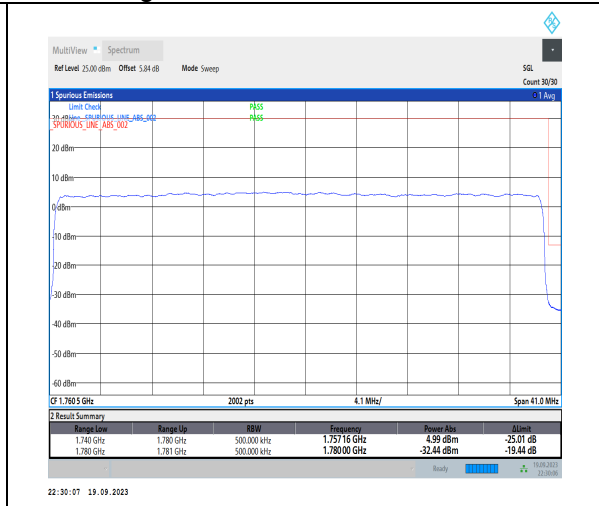
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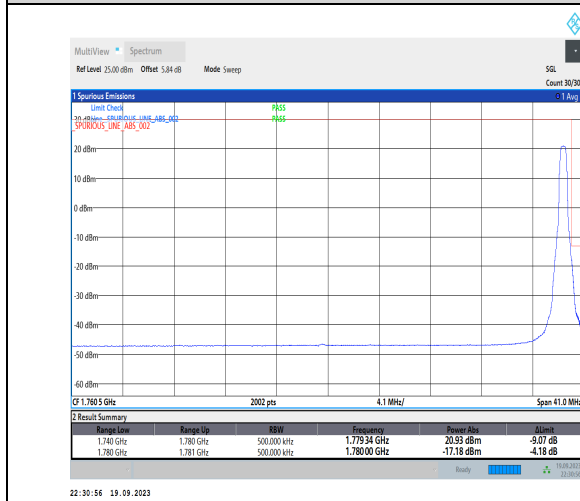
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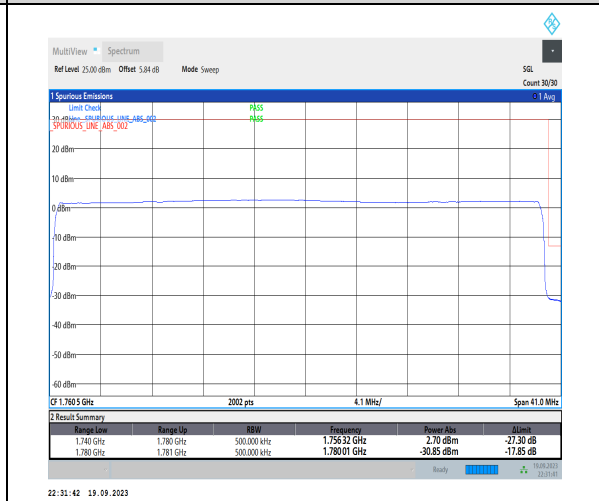
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1-N66-PC3-15-40-H-3-DFT-PI2BPSK-Outer_Full-2 16@0-Ant31-1-seegraph-PASS-see graph



1-N66-PC3-15-40-H-5-CP-QPSK-Edge_1RB_Right-1 @215-Ant31-1-seegraph-PASS-see graph



1-N66-PC3-15-40-H-6-CP-QPSK-Outer_Full-216 @0-Ant31-1-seegraph-PASS-see graph



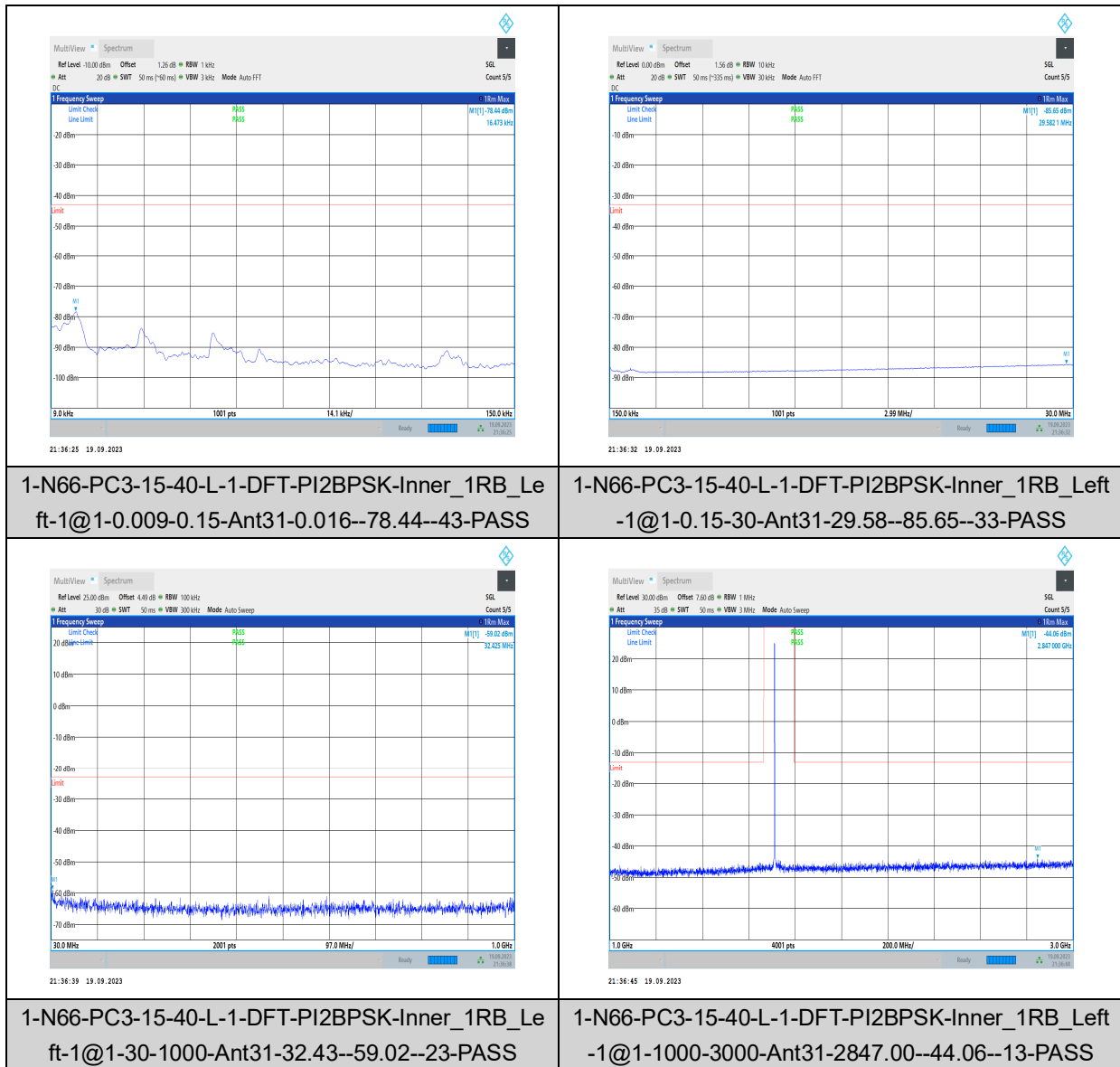
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Conducted Spurious Emission for SA

Test Graphs



1-N66-PC3-15-40-L-1-DFT-PI2BPSK-Inner_1RB_Le
ft-1@1-0.009-0.15-Ant31-0.016--78.44--43-PASS

1-N66-PC3-15-40-L-1-DFT-PI2BPSK-Inner_1RB_Left
-1@1-0.15-30-Ant31-29.58--85.65--33-PASS

1-N66-PC3-15-40-L-1-DFT-PI2BPSK-Inner_1RB_Le
ft-1@1-30-1000-Ant31-32.43--59.02--23-PASS

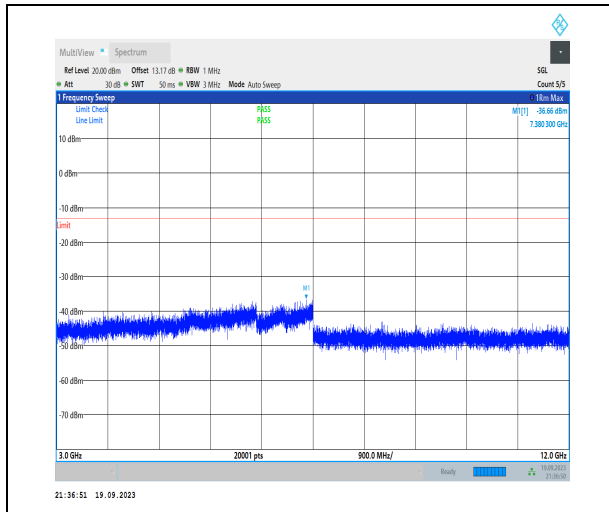
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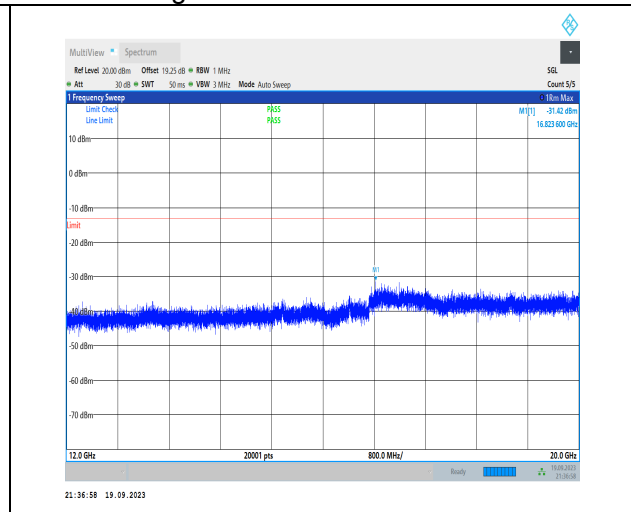
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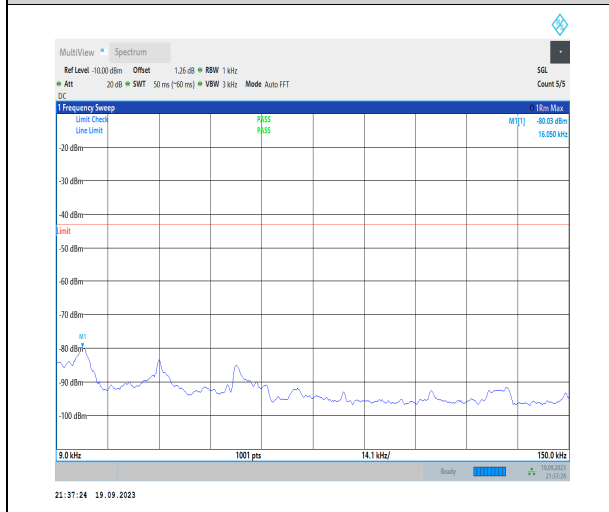
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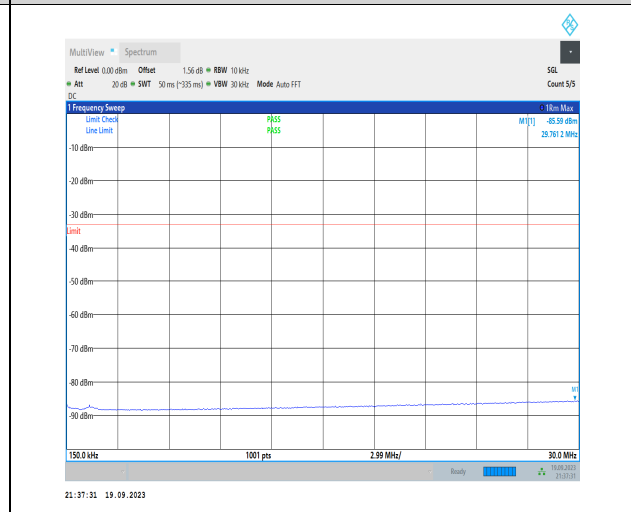
1-N66-PC3-15-40-L-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-3000-12000-Ant31-7380.3--36.66--13-PASS



1-N66-PC3-15-40-L-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-12000-20000-Ant31-16823.60--31.42--13-PASS



1-N66-PC3-15-40-M-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-0.009-0.15-Ant31-0.016--80.03--43-PASS



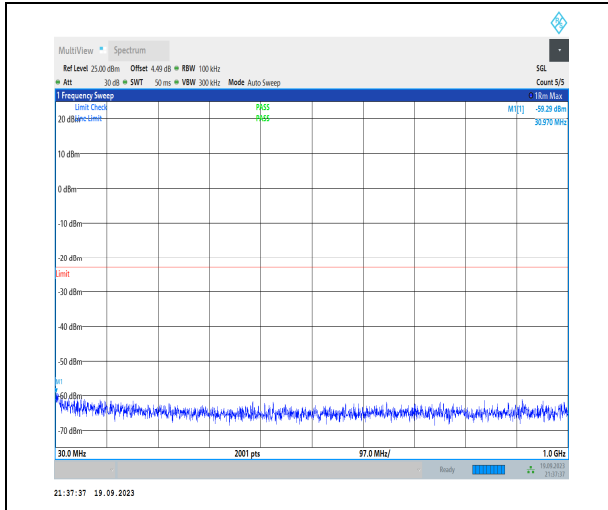
1-N66-PC3-15-40-M-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-0.15-30-Ant31-29.76--85.59--33-PASS



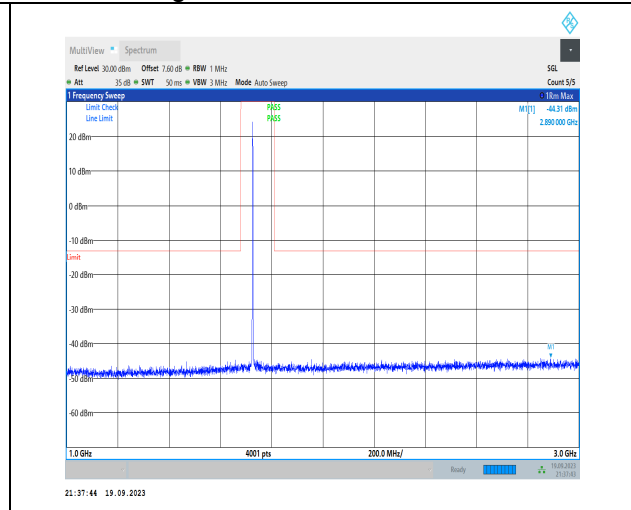
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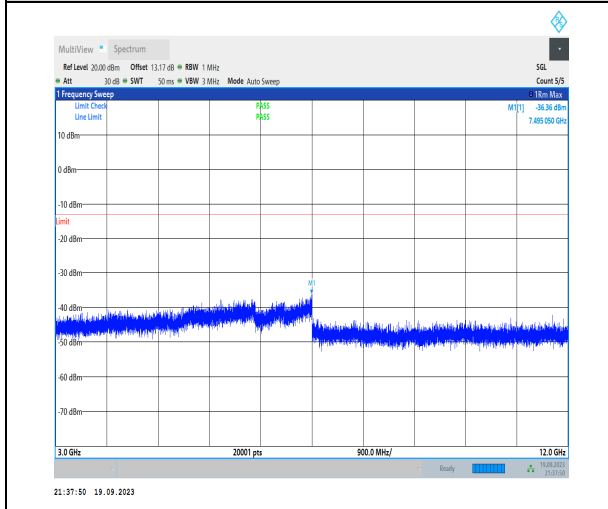
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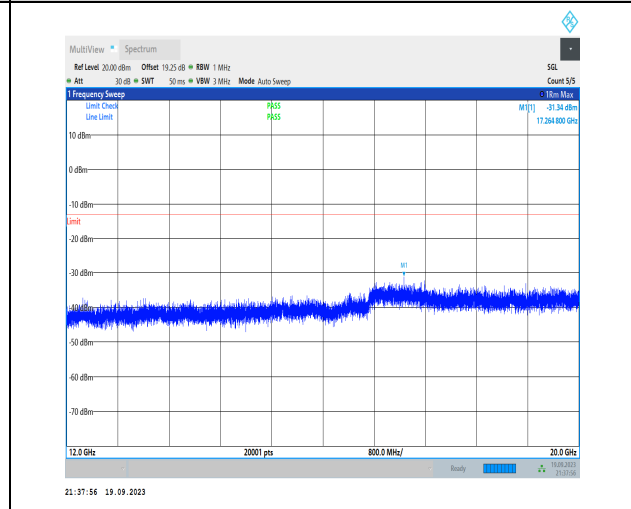
1-N66-PC3-15-40-M-1-DFT-PI2BPSK-Inner_1RB_L
eft-1@1-30-1000-Ant31-30.97--59.29--23-PASS



1-N66-PC3-15-40-M-1-DFT-PI2BPSK-Inner_1RB_Lef
t-1@1-1000-3000-Ant31-2890.00--44.31--13-PASS



1-N66-PC3-15-40-M-1-DFT-PI2BPSK-Inner_1RB_L
eft-1@1-3000-12000-Ant31-7495.05--36.36--13-PA
SS



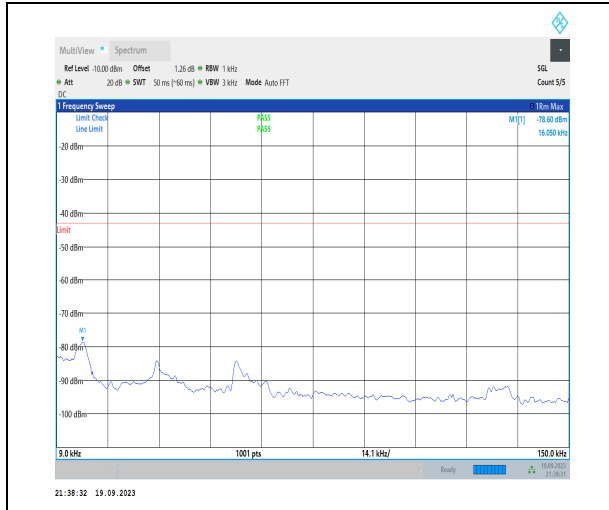
1-N66-PC3-15-40-M-1-DFT-PI2BPSK-Inner_1RB_Lef
t-1@1-12000-20000-Ant31-17264.80--31.34--13-PAS
S



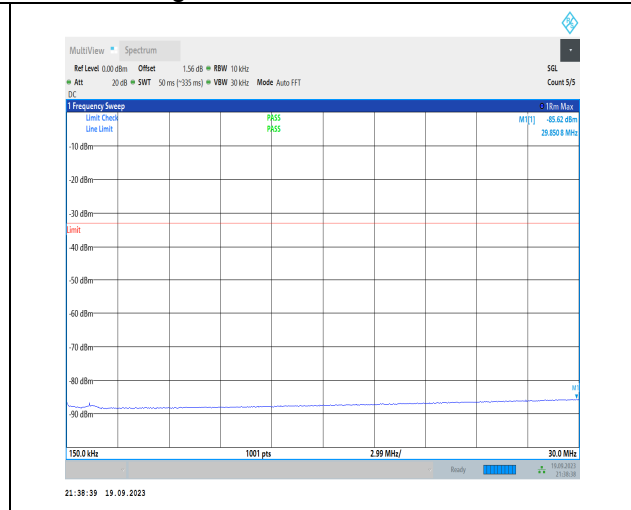
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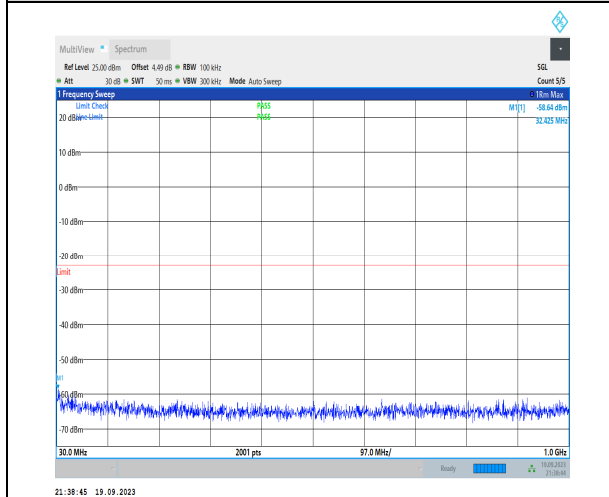
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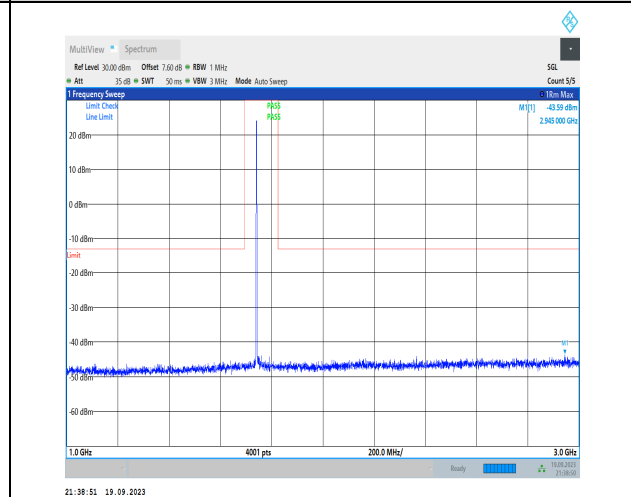
1-N66-PC3-15-40-H-1-DFT-PI2BPSK-Inner_1RB_L
eft-1@1-0.009-0.15-Ant31-0.16--78.60--43-PASS



1-N66-PC3-15-40-H-1-DFT-PI2BPSK-Inner_1RB_Lef
t-1@1-0.15-30-Ant31-29.85--85.62--33-PASS



1-N66-PC3-15-40-H-1-DFT-PI2BPSK-Inner_1RB_L
eft-1@1-30-1000-Ant31-32.43--58.64--23-PASS



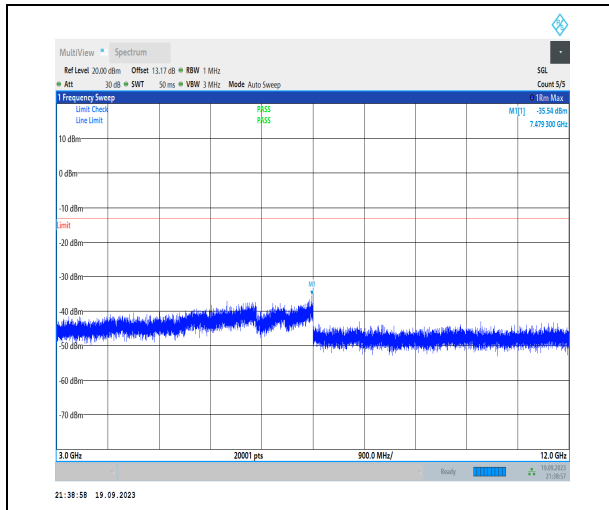
1-N66-PC3-15-40-H-1-DFT-PI2BPSK-Inner_1RB_Lef
t-1@1-1000-3000-Ant31-2945.00--43.59--13-PASS



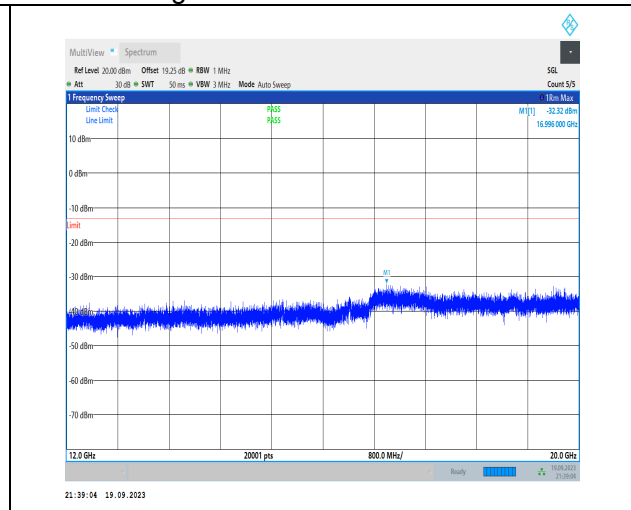
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1-N66-PC3-15-40-H-1-DFT-PI2BPSK-Inner_1RB_L_eff-t1@1-3000-12000-Ant31-7479.3--35.54--13-PAS
S



1-N66-PC3-15-40-H-1-DFT-PI2BPSK-Inner_1RB_Lef-t-1@1-12000-20000-Ant31-16996.00--32.32--13-PAS
S



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Field Strength of Spurious Radiation

Test Band = SA Band66_ 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	4556.25	41.37	-45.69	30.42	-69.15	-13.00	56.15	Horizontal
2	6191.25	39.21	-44.73	33.31	-67.47	-13.00	54.47	Horizontal
3	8415.75	36.37	-41.48	36.59	-63.77	-13.00	50.77	Horizontal
4	10294.5	29.80	-39.11	38.35	-66.23	-13.00	53.23	Horizontal
5	14379.75	25.15	-35.08	41.05	-64.13	-13.00	51.13	Horizontal
6	15393.75	23.95	-33.55	40.47	-64.39	-13.00	51.39	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3832.5	41.23	-46.04	28.93	-71.13	-13.00	58.13	Vertical
2	4604.25	40.38	-45.67	30.53	-70.02	-13.00	57.02	Vertical
3	6543.75	39.08	-44.50	34.38	-66.30	-13.00	53.30	Vertical
4	8406	36.84	-41.46	36.60	-63.28	-13.00	50.28	Vertical
5	8928.75	34.71	-41.17	36.34	-65.39	-13.00	52.39	Vertical
6	11382	27.81	-37.38	38.74	-66.09	-13.00	53.09	Vertical



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Test Band = SA Band66_ 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	4082.25	41.11	-45.81	29.30	-70.66	-13.00	57.66	Horizontal
2	5208	39.87	-45.26	31.90	-68.76	-13.00	55.76	Horizontal
3	6351	39.57	-44.47	33.82	-66.34	-13.00	53.34	Horizontal
4	8101.5	35.46	-41.37	36.75	-64.43	-13.00	51.43	Horizontal
5	10694.25	28.74	-37.91	38.55	-65.89	-13.00	52.89	Horizontal
6	15153.75	24.63	-34.40	40.98	-64.05	-13.00	51.05	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3305.25	42.64	-46.45	28.48	-70.59	-13.00	57.59	Vertical
2	4308.75	40.78	-45.56	29.84	-70.20	-13.00	57.20	Vertical
3	5217.75	40.13	-45.25	31.92	-68.45	-13.00	55.45	Vertical
4	6469.5	39.66	-44.55	34.20	-65.95	-13.00	52.95	Vertical
5	8405.25	36.63	-41.46	36.60	-63.49	-13.00	50.49	Vertical
6	12711	25.70	-36.70	39.01	-67.24	-13.00	54.24	Vertical



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Test Band = SA Band66_ 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	4727.25	40.25	-45.58	30.80	-69.79	-13.00	56.79	Horizontal
2	6647.25	40.16	-44.09	34.57	-64.63	-13.00	51.63	Horizontal
3	7781.25	37.02	-42.46	36.71	-63.99	-13.00	50.99	Horizontal
4	9438.75	33.53	-39.99	37.13	-64.58	-13.00	51.58	Horizontal
5	11344.5	28.14	-37.40	38.73	-65.78	-13.00	52.78	Horizontal
6	15153.75	25.19	-34.40	40.98	-63.49	-13.00	50.49	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3668.25	41.17	-45.70	28.77	-71.02	-13.00	58.02	Vertical
2	4875.75	41.67	-45.53	31.13	-68.00	-13.00	55.00	Vertical
3	6049.5	40.44	-44.64	32.86	-66.60	-13.00	53.60	Vertical
4	7641.75	38.04	-43.01	36.66	-63.57	-13.00	50.57	Vertical
5	10701.75	28.09	-37.89	38.55	-66.51	-13.00	53.51	Vertical
6	15154.5	25.05	-34.39	40.98	-63.62	-13.00	50.62	Vertical



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Wireless Laboratories

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Test Band = NSA 5A-N66A_ 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	3422.1800	39.71	-46.28	28.55	-73.27	-13.00	60.27	Horizontal
2	5133.2700	37.47	-45.34	31.72	-71.41	-13.00	58.41	Horizontal
3	6844.3600	37.85	-44.14	34.92	-66.63	-13.00	53.63	Horizontal
4	8555.4500	34.01	-41.46	36.52	-66.19	-13.00	53.19	Horizontal
5	10266.5400	28.15	-39.23	38.33	-68.00	-13.00	55.00	Horizontal
6	11977.6300	25.25	-37.51	38.80	-68.73	-13.00	55.73	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3422.1800	40.17	-46.28	28.55	-72.81	-13.00	59.81	Vertical
2	5133.2700	38.24	-45.34	31.72	-70.64	-13.00	57.64	Vertical
3	6844.3600	37.82	-44.14	34.92	-66.66	-13.00	53.66	Vertical
4	8555.4500	34.16	-41.46	36.52	-66.04	-13.00	53.04	Vertical
5	10266.5400	28.54	-39.23	38.33	-67.61	-13.00	54.61	Vertical
6	11977.6300	23.85	-37.51	38.80	-70.13	-13.00	57.13	Vertical



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Test Band = NSA 5A-N66A_ 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	3472.1800	40.92	-46.27	28.58	-72.02	-13.00	59.02	Horizontal
2	5208.2700	39.04	-45.26	31.90	-69.58	-13.00	56.58	Horizontal
3	6944.3600	37.53	-43.85	35.10	-66.48	-13.00	53.48	Horizontal
4	8680.4500	33.17	-41.62	36.46	-67.25	-13.00	54.25	Horizontal
5	10416.5400	28.20	-38.97	38.41	-67.63	-13.00	54.63	Horizontal
6	12152.6300	25.80	-37.42	38.85	-68.03	-13.00	55.03	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3472.1800	41.07	-46.27	28.58	-71.87	-13.00	58.87	Vertical
2	5208.2700	38.81	-45.26	31.90	-69.81	-13.00	56.81	Vertical
3	6944.3600	37.87	-43.85	35.10	-66.14	-13.00	53.14	Vertical
4	8680.4500	34.25	-41.62	36.46	-66.17	-13.00	53.17	Vertical
5	10416.5400	27.95	-38.97	38.41	-67.88	-13.00	54.88	Vertical
6	12152.6300	24.69	-37.42	38.85	-69.14	-13.00	56.14	Vertical



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Test Band = NSA 5A-N66A_ 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	3522.1800	40.23	-46.23	28.62	-72.64	-13.00	59.64	Horizontal
2	5283.2700	38.14	-45.12	32.08	-70.16	-13.00	57.16	Horizontal
3	7044.3600	37.70	-43.85	35.33	-66.08	-13.00	53.08	Horizontal
4	8805.4500	32.71	-41.25	36.40	-67.40	-13.00	54.40	Horizontal
5	10566.5400	27.59	-38.58	38.48	-67.77	-13.00	54.77	Horizontal
6	12327.6300	25.15	-37.45	38.90	-68.66	-13.00	55.66	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3522.1800	41.52	-46.23	28.62	-71.35	-13.00	58.35	Vertical
2	5283.2700	38.49	-45.12	32.08	-69.81	-13.00	56.81	Vertical
3	7044.3600	37.39	-43.85	35.33	-66.39	-13.00	53.39	Vertical
4	8805.4500	32.41	-41.25	36.40	-67.70	-13.00	54.70	Vertical
5	10566.5400	28.15	-38.58	38.48	-67.21	-13.00	54.21	Vertical
6	12327.6300	25.01	-37.45	38.90	-68.80	-13.00	55.80	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) - Pre-amplifier (dB)

Level = Reading Level + AF + Factor -95.26

Margin = Limit – Level



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SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd.
Wireless Laboratories

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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
N66	15	40	DFT-PI2BPSK	M	Outer_Full	VH	NT	-0.800000	-0.000458	PASS
N66	15	40	DFT-PI2BPSK	M	Outer_Full	VN	NT	-2.100000	-0.001203	PASS
N66	15	40	DFT-PI2BPSK	M	Outer_Full	VL	NT	-2.100000	-0.001203	PASS
N66	15	40	CP-QPSK	M	Outer_Full	VH	NT	-2.300000	-0.001318	PASS
N66	15	40	CP-QPSK	M	Outer_Full	VN	NT	-4.400000	-0.002521	PASS
N66	15	40	CP-QPSK	M	Outer_Full	VL	NT	-6.200000	-0.003553	PASS



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Frequency Error VS. Temperature

Temperature										
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation(Hz)	Deviation (ppm)	Verdict
N66	15	40	DFT-PI2BPSK	M	Outer_Full	NV	-30	-1.500000	-0.000860	PASS
N66	15	40	DFT-PI2BPSK	M	Outer_Full	NV	-20	-5.900000	-0.003381	PASS
N66	15	40	DFT-PI2BPSK	M	Outer_Full	NV	-10	2.600000	0.001490	PASS
N66	15	40	DFT-PI2BPSK	M	Outer_Full	NV	0	-4.300000	-0.002464	PASS
N66	15	40	DFT-PI2BPSK	M	Outer_Full	NV	10	-3.400000	-0.001948	PASS
N66	15	40	DFT-PI2BPSK	M	Outer_Full	NV	20	-0.400000	-0.000229	PASS
N66	15	40	DFT-PI2BPSK	M	Outer_Full	NV	30	-0.700000	-0.000401	PASS
N66	15	40	DFT-PI2BPSK	M	Outer_Full	NV	40	-2.200000	-0.001261	PASS
N66	15	40	DFT-PI2BPSK	M	Outer_Full	NV	50	-2.800000	-0.001605	PASS
N66	15	40	CP-QPSK	M	Outer_Full	NV	-30	-4.900000	-0.002808	PASS
N66	15	40	CP-QPSK	M	Outer_Full	NV	-20	-1.900000	-0.001089	PASS
N66	15	40	CP-QPSK	M	Outer_Full	NV	-10	-4.700000	-0.002693	PASS
N66	15	40	CP-QPSK	M	Outer_Full	NV	0	-1.100000	-0.000630	PASS
N66	15	40	CP-QPSK	M	Outer_Full	NV	10	-2.500000	-0.001433	PASS
N66	15	40	CP-QPSK	M	Outer_Full	NV	20	-0.400000	-0.000229	PASS
N66	15	40	CP-QPSK	M	Outer_Full	NV	30	-2.300000	-0.001318	PASS
N66	15	40	CP-QPSK	M	Outer_Full	NV	40	-2.600000	-0.001490	PASS
N66	15	40	CP-QPSK	M	Outer_Full	NV	50	-3.200000	-0.001834	PASS

---End of Attachment---



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