Appendix B.29

NR Band n12

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Effective (Isotropic) Radiated Power Output Data for SA

Test ResultAnt7

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Power (dBm)	ERP (dBm)	Limit (dBm)	Verdict
N12	15	5	DFT-PI2BPSK	L	Inner_1RB_Left	23.72	12.92	34.77	PASS
N12	15	5	DFT-PI2BPSK	L	Inner_1RB_Right	23.76	12.96	34.77	PASS
N12	15	5	DFT-PI2BPSK	L	Outer_Full	23.34	12.54	34.77	PASS
N12	15	5	DFT-QPSK	L	Inner_1RB_Left	24.13	13.33	34.77	PASS
N12	15	5	DFT-QPSK	L	Inner_1RB_Right	23.82	13.02	34.77	PASS
N12	15	5	DFT-QPSK	L	Outer_Full	22.85	12.05	34.77	PASS
N12	15	5	DFT-16QAM	L	Inner_1RB_Left	22.53	11.73	34.77	PASS
N12	15	5	DFT-16QAM	L	Inner_1RB_Right	22.48	11.68	34.77	PASS
N12	15	5	DFT-16QAM	L	Outer_Full	21.9	11.1	34.77	PASS
N12	15	5	DFT-64QAM	L	Inner_1RB_Left	21.34	10.54	34.77	PASS
N12	15	5	DFT-64QAM	L	Inner_1RB_Right	21.25	10.45	34.77	PASS
N12	15	5	DFT-64QAM	L	Outer_Full	21.39	10.59	34.77	PASS
N12	15	5	DFT-256QAM	L	Inner_1RB_Left	19.39	8.59	34.77	PASS
N12	15	5	DFT-256QAM	L	Inner_1RB_Right	19.3	8.5	34.77	PASS
N12	15	5	DFT-256QAM	L	Outer_Full	19.31	8.51	34.77	PASS
N12	15	5	DFT-PI2BPSK	M	Inner_1RB_Left	23.77	12.97	34.77	PASS
N12	15	5	DFT-PI2BPSK	M	Inner_1RB_Right	23.89	13.09	34.77	PASS
N12	15	5	DFT-PI2BPSK	M	Outer_Full	23.35	12.55	34.77	PASS
N12	15	5	DFT-QPSK	M	Inner_1RB_Left	23.87	13.07	34.77	PASS
N12	15	5	DFT-QPSK	M	Inner_1RB_Right	23.93	13.13	34.77	PASS
N12	15	5	DFT-QPSK	M	Outer_Full	22.98	12.18	34.77	PASS
N12	15	5	DFT-16QAM	M	Inner_1RB_Left	22.48	11.68	34.77	PASS
N12	15	5	DFT-16QAM	M	Inner_1RB_Right	22.61	11.81	34.77	PASS
N12	15	5	DFT-16QAM	M	Outer_Full	21.86	11.06	34.77	PASS
N12	15	5	DFT-64QAM	M	Inner_1RB_Left	21.12	10.32	34.77	PASS
N12	15	5	DFT-64QAM	M	Inner_1RB_Right	21.28	10.48	34.77	PASS
N12	15	5	DFT-64QAM	M	Outer_Full	21.51	10.71	34.77	PASS
N12	15	5	DFT-256QAM	M	Inner_1RB_Left	19.43	8.63	34.77	PASS
N12	15	5	DFT-256QAM	M	Inner_1RB_Right	19.35	8.55	34.77	PASS
N12	15	5	DFT-256QAM	M	Outer_Full	19.3	8.5	34.77	PASS
N12	15	5	DFT-PI2BPSK	H	Inner_1RB_Left	23.78	12.98	34.77	PASS

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N12	15	5	DFT-PI2BPSK	H	Inner_1RB_Right	23.91	13.11	34.77	PASS
N12	15	5	DFT-PI2BPSK	H	Outer_Full	23.46	12.66	34.77	PASS
N12	15	5	DFT-QPSK	H	Inner_1RB_Left	23.87	13.07	34.77	PASS
N12	15	5	DFT-QPSK	H	Inner_1RB_Right	24.05	13.25	34.77	PASS
N12	15	5	DFT-QPSK	H	Outer_Full	22.88	12.08	34.77	PASS
N12	15	5	DFT-16QAM	H	Inner_1RB_Left	22.7	11.9	34.77	PASS
N12	15	5	DFT-16QAM	H	Inner_1RB_Right	22.76	11.96	34.77	PASS
N12	15	5	DFT-16QAM	H	Outer_Full	21.97	11.17	34.77	PASS
N12	15	5	DFT-64QAM	H	Inner_1RB_Left	21.19	10.39	34.77	PASS
N12	15	5	DFT-64QAM	H	Inner_1RB_Right	21.31	10.51	34.77	PASS
N12	15	5	DFT-64QAM	H	Outer_Full	21.51	10.71	34.77	PASS
N12	15	5	DFT-256QAM	H	Inner_1RB_Left	19.39	8.59	34.77	PASS
N12	15	5	DFT-256QAM	H	Inner_1RB_Right	19.64	8.84	34.77	PASS
N12	15	5	DFT-256QAM	H	Outer_Full	19.44	8.64	34.77	PASS
N12	15	10	DFT-PI2BPSK	L	Inner_1RB_Left	23.86	13.06	34.77	PASS
N12	15	10	DFT-PI2BPSK	L	Inner_1RB_Right	23.89	13.09	34.77	PASS
N12	15	10	DFT-PI2BPSK	L	Outer_Full	23.36	12.56	34.77	PASS
N12	15	10	DFT-QPSK	L	Inner_1RB_Left	24.09	13.29	34.77	PASS
N12	15	10	DFT-QPSK	L	Inner_1RB_Right	23.89	13.09	34.77	PASS
N12	15	10	DFT-QPSK	L	Outer_Full	22.78	11.98	34.77	PASS
N12	15	10	DFT-16QAM	L	Inner_1RB_Left	22.66	11.86	34.77	PASS
N12	15	10	DFT-16QAM	L	Inner_1RB_Right	22.68	11.88	34.77	PASS
N12	15	10	DFT-16QAM	L	Outer_Full	21.84	11.04	34.77	PASS
N12	15	10	DFT-64QAM	L	Inner_1RB_Left	21.3	10.5	34.77	PASS
N12	15	10	DFT-64QAM	L	Inner_1RB_Right	21.18	10.38	34.77	PASS
N12	15	10	DFT-64QAM	L	Outer_Full	21.24	10.44	34.77	PASS
N12	15	10	DFT-256QAM	L	Inner_1RB_Left	19.57	8.77	34.77	PASS
N12	15	10	DFT-256QAM	L	Inner_1RB_Right	19.34	8.54	34.77	PASS
N12	15	10	DFT-256QAM	L	Outer_Full	19.33	8.53	34.77	PASS
N12	15	10	DFT-PI2BPSK	M	Inner_1RB_Left	23.65	12.85	34.77	PASS
N12	15	10	DFT-PI2BPSK	M	Inner_1RB_Right	23.86	13.06	34.77	PASS
N12	15	10	DFT-PI2BPSK	M	Outer_Full	23.49	12.69	34.77	PASS
N12	15	10	DFT-QPSK	M	Inner_1RB_Left	24.02	13.22	34.77	PASS
N12	15	10	DFT-QPSK	M	Inner_1RB_Right	24.08	13.28	34.77	PASS
N12	15	10	DFT-QPSK	M	Outer_Full	22.79	11.99	34.77	PASS
N12	15	10	DFT-16QAM	M	Inner_1RB_Left	22.57	11.77	34.77	PASS
N12	15	10	DFT-16QAM	M	Inner_1RB_Right	22.71	11.91	34.77	PASS

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N12	15	10	DFT-16QAM	M	Outer_Full	21.99	11.19	34.77	PASS
N12	15	10	DFT-64QAM	M	Inner_1RB_Left	21.21	10.41	34.77	PASS
N12	15	10	DFT-64QAM	M	Inner_1RB_Right	21.2	10.4	34.77	PASS
N12	15	10	DFT-64QAM	M	Outer_Full	21.42	10.62	34.77	PASS
N12	15	10	DFT-256QAM	M	Inner_1RB_Left	19.53	8.73	34.77	PASS
N12	15	10	DFT-256QAM	M	Inner_1RB_Right	19.51	8.71	34.77	PASS
N12	15	10	DFT-256QAM	M	Outer_Full	19.42	8.62	34.77	PASS
N12	15	10	DFT-PI2BPSK	H	Inner_1RB_Left	23.72	12.92	34.77	PASS
N12	15	10	DFT-PI2BPSK	H	Inner_1RB_Right	24	13.2	34.77	PASS
N12	15	10	DFT-PI2BPSK	H	Outer_Full	23.38	12.58	34.77	PASS
N12	15	10	DFT-QPSK	H	Inner_1RB_Left	24.05	13.25	34.77	PASS
N12	15	10	DFT-QPSK	H	Inner_1RB_Right	24.22	13.42	34.77	PASS
N12	15	10	DFT-QPSK	H	Outer_Full	22.85	12.05	34.77	PASS
N12	15	10	DFT-16QAM	H	Inner_1RB_Left	22.52	11.72	34.77	PASS
N12	15	10	DFT-16QAM	H	Inner_1RB_Right	22.89	12.09	34.77	PASS
N12	15	10	DFT-16QAM	H	Outer_Full	21.84	11.04	34.77	PASS
N12	15	10	DFT-64QAM	H	Inner_1RB_Left	21.16	10.36	34.77	PASS
N12	15	10	DFT-64QAM	H	Inner_1RB_Right	21.32	10.52	34.77	PASS
N12	15	10	DFT-64QAM	H	Outer_Full	21.31	10.51	34.77	PASS
N12	15	10	DFT-256QAM	H	Inner_1RB_Left	19.35	8.55	34.77	PASS
N12	15	10	DFT-256QAM	H	Inner_1RB_Right	19.58	8.78	34.77	PASS
N12	15	10	DFT-256QAM	H	Outer_Full	19.44	8.64	34.77	PASS
N12	15	15	DFT-PI2BPSK	L	Inner_1RB_Left	24.01	13.21	34.77	PASS
N12	15	15	DFT-PI2BPSK	L	Inner_1RB_Right	23.94	13.14	34.77	PASS
N12	15	15	DFT-PI2BPSK	L	Outer_Full	23.52	12.72	34.77	PASS
N12	15	15	DFT-QPSK	L	Inner_1RB_Left	24	13.2	34.77	PASS
N12	15	15	DFT-QPSK	L	Inner_1RB_Right	24.12	13.32	34.77	PASS
N12	15	15	DFT-QPSK	L	Outer_Full	22.91	12.11	34.77	PASS
N12	15	15	DFT-16QAM	L	Inner_1RB_Left	22.61	11.81	34.77	PASS
N12	15	15	DFT-16QAM	L	Inner_1RB_Right	22.62	11.82	34.77	PASS
N12	15	15	DFT-16QAM	L	Outer_Full	21.8	11	34.77	PASS
N12	15	15	DFT-64QAM	L	Inner_1RB_Left	21.21	10.41	34.77	PASS
N12	15	15	DFT-64QAM	L	Inner_1RB_Right	21.31	10.51	34.77	PASS
N12	15	15	DFT-64QAM	L	Outer_Full	21.27	10.47	34.77	PASS
N12	15	15	DFT-256QAM	L	Inner_1RB_Left	19.39	8.59	34.77	PASS
N12	15	15	DFT-256QAM	L	Inner_1RB_Right	19.47	8.67	34.77	PASS
N12	15	15	DFT-256QAM	L	Outer_Full	19.45	8.65	34.77	PASS

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N12	15	15	DFT-PI2BPSK	M	Inner_1RB_Left	23.85	13.05	34.77	PASS
N12	15	15	DFT-PI2BPSK	M	Inner_1RB_Right	24.05	13.25	34.77	PASS
N12	15	15	DFT-PI2BPSK	M	Outer_Full	23.49	12.69	34.77	PASS
N12	15	15	DFT-QPSK	M	Inner_1RB_Left	23.9	13.1	34.77	PASS
N12	15	15	DFT-QPSK	M	Inner_1RB_Right	24	13.2	34.77	PASS
N12	15	15	DFT-QPSK	M	Outer_Full	22.99	12.19	34.77	PASS
N12	15	15	DFT-16QAM	M	Inner_1RB_Left	22.68	11.88	34.77	PASS
N12	15	15	DFT-16QAM	M	Inner_1RB_Right	22.93	12.13	34.77	PASS
N12	15	15	DFT-16QAM	M	Outer_Full	22.01	11.21	34.77	PASS
N12	15	15	DFT-64QAM	M	Inner_1RB_Left	21.35	10.55	34.77	PASS
N12	15	15	DFT-64QAM	M	Inner_1RB_Right	21.3	10.5	34.77	PASS
N12	15	15	DFT-64QAM	M	Outer_Full	21.33	10.53	34.77	PASS
N12	15	15	DFT-256QAM	M	Inner_1RB_Left	19.65	8.85	34.77	PASS
N12	15	15	DFT-256QAM	M	Inner_1RB_Right	19.72	8.92	34.77	PASS
N12	15	15	DFT-256QAM	M	Outer_Full	19.3	8.5	34.77	PASS
N12	15	15	DFT-PI2BPSK	H	Inner_1RB_Left	23.97	13.17	34.77	PASS
N12	15	15	DFT-PI2BPSK	H	Inner_1RB_Right	23.97	13.17	34.77	PASS
N12	15	15	DFT-PI2BPSK	H	Outer_Full	23.47	12.67	34.77	PASS
N12	15	15	DFT-QPSK	H	Inner_1RB_Left	24.05	13.25	34.77	PASS
N12	15	15	DFT-QPSK	H	Inner_1RB_Right	24.22	13.42	34.77	PASS
N12	15	15	DFT-QPSK	H	Outer_Full	22.98	12.18	34.77	PASS
N12	15	15	DFT-16QAM	H	Inner_1RB_Left	22.63	11.83	34.77	PASS
N12	15	15	DFT-16QAM	H	Inner_1RB_Right	22.8	12	34.77	PASS
N12	15	15	DFT-16QAM	H	Outer_Full	22.02	11.22	34.77	PASS
N12	15	15	DFT-64QAM	H	Inner_1RB_Left	21.29	10.49	34.77	PASS
N12	15	15	DFT-64QAM	H	Inner_1RB_Right	21.35	10.55	34.77	PASS
N12	15	15	DFT-64QAM	H	Outer_Full	21.36	10.56	34.77	PASS
N12	15	15	DFT-256QAM	H	Inner_1RB_Left	19.56	8.76	34.77	PASS
N12	15	15	DFT-256QAM	H	Inner_1RB_Right	19.58	8.78	34.77	PASS
N12	15	15	DFT-256QAM	H	Outer_Full	19.34	8.54	34.77	PASS

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Peak-to-Average Ratio for SA

Peak-to-Average Ratio(PAPR)

Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	DutyCycle	Factor	Result	Limit	Verdict
N12	15	15	DFT-256QAM	L	Outer_Full	100%	0.00	8.97	≤13	PASS
N12	15	15	CP-256QAM	L	Outer_Full	100%	0.00	9.34	≤13	PASS
N12	15	15	DFT-256QAM	M	Outer_Full	100%	0.00	8.98	≤13	PASS
N12	15	15	CP-256QAM	M	Outer_Full	100%	0.00	7.98	≤13	PASS
N12	15	15	DFT-256QAM	H	Outer_Full	100%	0.00	8.95	≤13	PASS
N12	15	15	CP-256QAM	H	Outer_Full	100%	0.00	9.22	≤13	PASS

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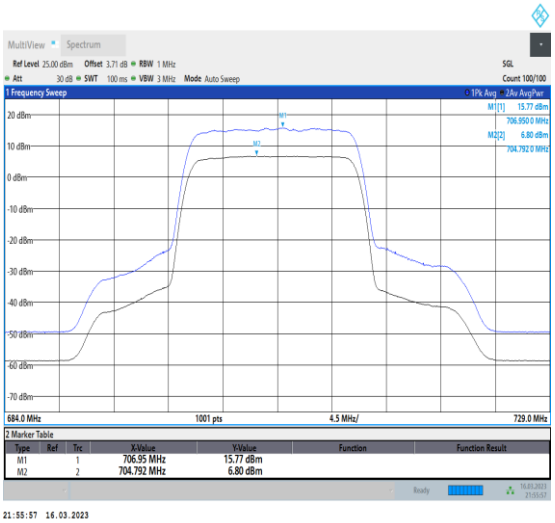
Test Graphs



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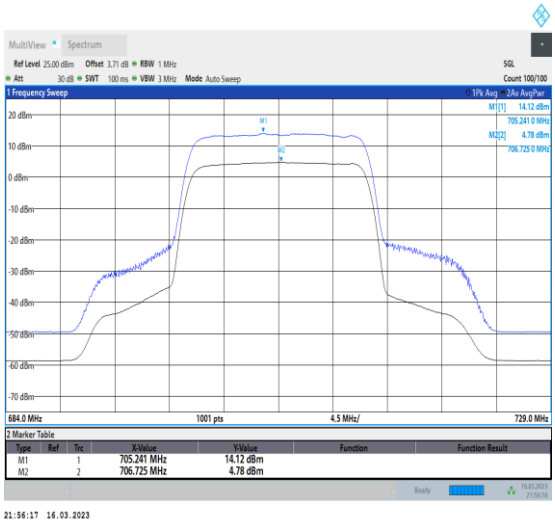

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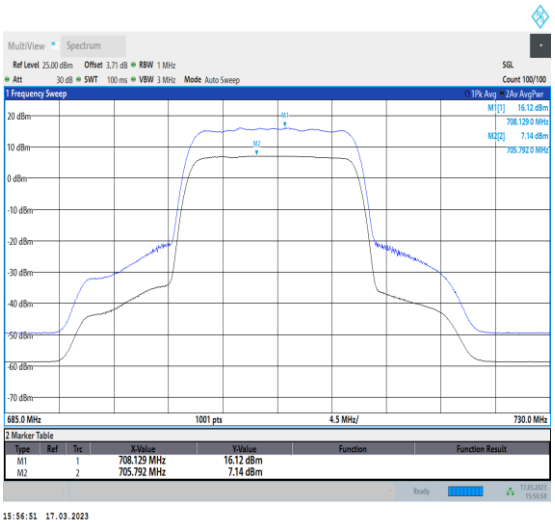

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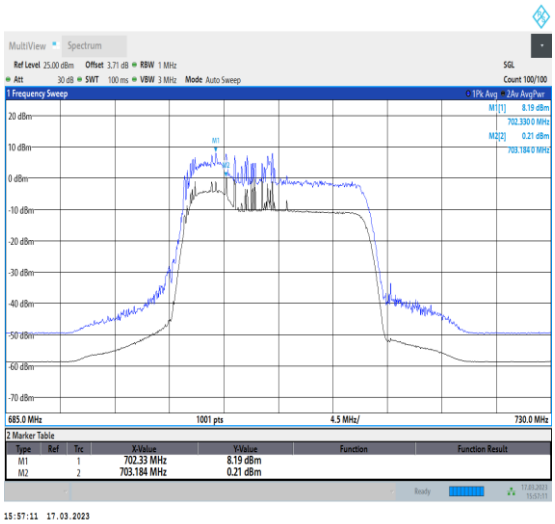

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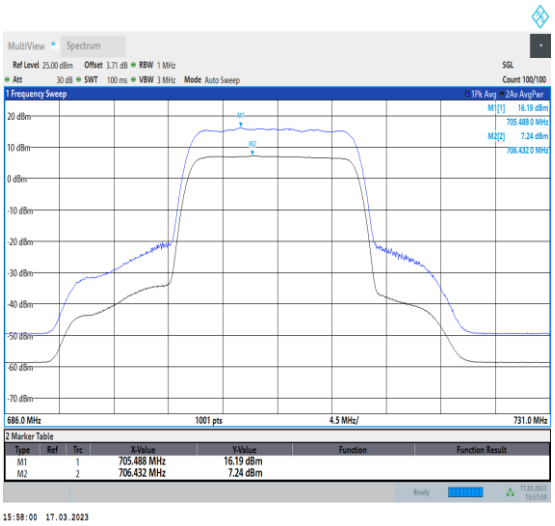

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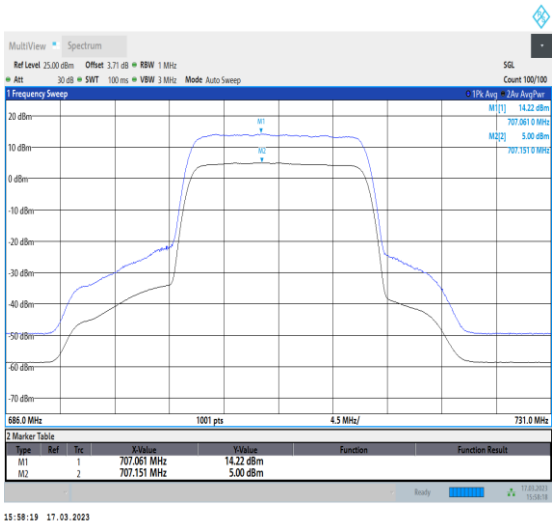

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26dB Bandwidth and Occupied Bandwidth for SA

Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result (99%)	Result (26dB)	Verdict
N12	15	5	DFT-QPSK	L	Outer_Full	4.475	4.780	PASS
N12	15	5	DFT-PI2BPSK	L	Outer_Full	4.478	4.800	PASS
N12	15	5	DFT-16QAM	L	Outer_Full	4.477	4.820	PASS
N12	15	5	DFT-64QAM	L	Outer_Full	4.468	4.810	PASS
N12	15	5	DFT-256QAM	L	Outer_Full	4.469	4.830	PASS
N12	15	5	CP-QPSK	L	Outer_Full	4.464	4.830	PASS
N12	15	5	CP-16QAM	L	Outer_Full	4.475	4.870	PASS
N12	15	5	CP-64QAM	L	Outer_Full	4.473	4.830	PASS
N12	15	5	CP-256QAM	L	Outer_Full	4.478	4.770	PASS
N12	15	5	DFT-QPSK	M	Outer_Full	4.478	4.780	PASS
N12	15	5	DFT-PI2BPSK	M	Outer_Full	4.48	4.800	PASS
N12	15	5	DFT-16QAM	M	Outer_Full	4.476	4.830	PASS
N12	15	5	DFT-64QAM	M	Outer_Full	4.461	4.800	PASS
N12	15	5	DFT-256QAM	M	Outer_Full	4.452	4.770	PASS
N12	15	5	CP-QPSK	M	Outer_Full	4.473	4.830	PASS
N12	15	5	CP-16QAM	M	Outer_Full	4.481	4.820	PASS
N12	15	5	CP-64QAM	M	Outer_Full	4.469	4.770	PASS
N12	15	5	CP-256QAM	M	Outer_Full	4.474	4.820	PASS
N12	15	5	DFT-QPSK	H	Outer_Full	4.48	4.810	PASS
N12	15	5	DFT-PI2BPSK	H	Outer_Full	4.472	4.780	PASS
N12	15	5	DFT-16QAM	H	Outer_Full	4.476	4.820	PASS
N12	15	5	DFT-64QAM	H	Outer_Full	4.459	4.840	PASS
N12	15	5	DFT-256QAM	H	Outer_Full	4.464	4.800	PASS
N12	15	5	CP-QPSK	H	Outer_Full	4.462	4.800	PASS
N12	15	5	CP-16QAM	H	Outer_Full	4.461	4.790	PASS
N12	15	5	CP-64QAM	H	Outer_Full	4.472	4.790	PASS
N12	15	5	CP-256QAM	H	Outer_Full	4.479	4.820	PASS
N12	15	10	DFT-QPSK	L	Outer_Full	8.893	9.400	PASS
N12	15	10	DFT-PI2BPSK	L	Outer_Full	8.918	9.340	PASS
N12	15	10	DFT-16QAM	L	Outer_Full	8.911	9.380	PASS

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N12	15	10	DFT-64QAM	L	Outer_Full	8.898	9.320	PASS
N12	15	10	DFT-256QAM	L	Outer_Full	8.908	9.340	PASS
N12	15	10	CP-QPSK	L	Outer_Full	9.245	9.780	PASS
N12	15	10	CP-16QAM	L	Outer_Full	9.261	9.740	PASS
N12	15	10	CP-64QAM	L	Outer_Full	9.281	9.800	PASS
N12	15	10	CP-256QAM	L	Outer_Full	9.256	9.740	PASS
N12	15	10	DFT-QPSK	M	Outer_Full	8.919	9.380	PASS
N12	15	10	DFT-PI2BPSK	M	Outer_Full	8.936	9.380	PASS
N12	15	10	DFT-16QAM	M	Outer_Full	8.885	9.380	PASS
N12	15	10	DFT-64QAM	M	Outer_Full	8.899	9.300	PASS
N12	15	10	DFT-256QAM	M	Outer_Full	8.919	9.340	PASS
N12	15	10	CP-QPSK	M	Outer_Full	9.26	9.720	PASS
N12	15	10	CP-16QAM	M	Outer_Full	9.258	9.700	PASS
N12	15	10	CP-64QAM	M	Outer_Full	9.285	9.780	PASS
N12	15	10	CP-256QAM	M	Outer_Full	9.264	9.740	PASS
N12	15	10	DFT-QPSK	H	Outer_Full	8.924	9.420	PASS
N12	15	10	DFT-PI2BPSK	H	Outer_Full	8.877	9.400	PASS
N12	15	10	DFT-16QAM	H	Outer_Full	8.9	9.420	PASS
N12	15	10	DFT-64QAM	H	Outer_Full	8.898	9.360	PASS
N12	15	10	DFT-256QAM	H	Outer_Full	8.898	9.360	PASS
N12	15	10	CP-QPSK	H	Outer_Full	9.274	9.680	PASS
N12	15	10	CP-16QAM	H	Outer_Full	9.258	9.760	PASS
N12	15	10	CP-64QAM	H	Outer_Full	9.287	9.740	PASS
N12	15	10	CP-256QAM	H	Outer_Full	9.264	9.760	PASS
N12	15	15	DFT-QPSK	L	Outer_Full	13.377	13.980	PASS
N12	15	15	DFT-PI2BPSK	L	Outer_Full	13.363	14.100	PASS
N12	15	15	DFT-16QAM	L	Outer_Full	13.406	14.100	PASS
N12	15	15	DFT-64QAM	L	Outer_Full	13.402	14.070	PASS
N12	15	15	DFT-256QAM	L	Outer_Full	13.364	14.100	PASS
N12	15	15	CP-QPSK	L	Outer_Full	14.064	14.730	PASS
N12	15	15	CP-16QAM	L	Outer_Full	14.141	14.820	PASS
N12	15	15	CP-64QAM	L	Outer_Full	14.11	14.790	PASS
N12	15	15	CP-256QAM	L	Outer_Full	14.045	14.730	PASS
N12	15	15	DFT-QPSK	M	Outer_Full	13.403	14.100	PASS
N12	15	15	DFT-PI2BPSK	M	Outer_Full	13.4	14.100	PASS
N12	15	15	DFT-16QAM	M	Outer_Full	13.386	14.100	PASS
N12	15	15	DFT-64QAM	M	Outer_Full	13.426	14.100	PASS

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N12	15	15	DFT-256QAM	M	Outer_Full	13.393	14.130	PASS
N12	15	15	CP-QPSK	M	Outer_Full	14.072	14.730	PASS
N12	15	15	CP-16QAM	M	Outer_Full	14.121	14.880	PASS
N12	15	15	CP-64QAM	M	Outer_Full	14.103	14.820	PASS
N12	15	15	CP-256QAM	M	Outer_Full	14.125	14.730	PASS
N12	15	15	DFT-QPSK	H	Outer_Full	13.371	14.100	PASS
N12	15	15	DFT-PI2BPSK	H	Outer_Full	13.392	14.130	PASS
N12	15	15	DFT-16QAM	H	Outer_Full	13.407	14.070	PASS
N12	15	15	DFT-64QAM	H	Outer_Full	13.406	14.070	PASS
N12	15	15	DFT-256QAM	H	Outer_Full	13.389	14.100	PASS
N12	15	15	CP-QPSK	H	Outer_Full	14.08	14.760	PASS
N12	15	15	CP-16QAM	H	Outer_Full	14.117	14.910	PASS
N12	15	15	CP-64QAM	H	Outer_Full	14.073	14.880	PASS
N12	15	15	CP-256QAM	H	Outer_Full	14.072	14.790	PASS

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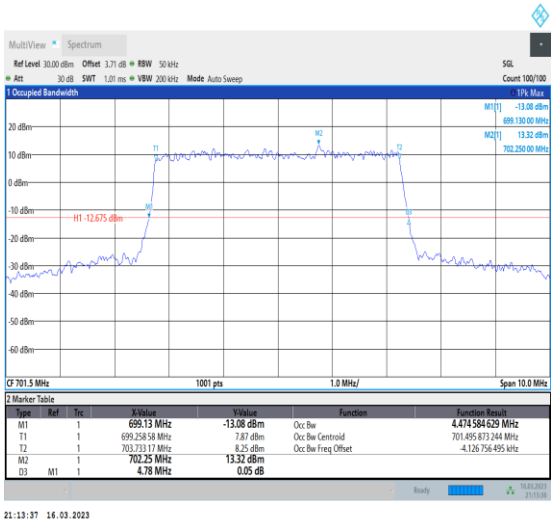

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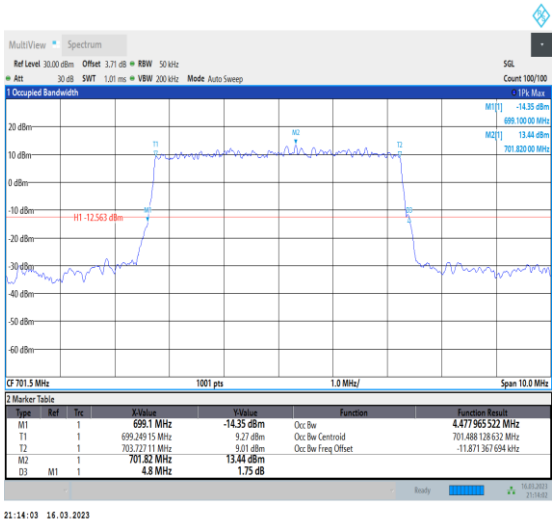

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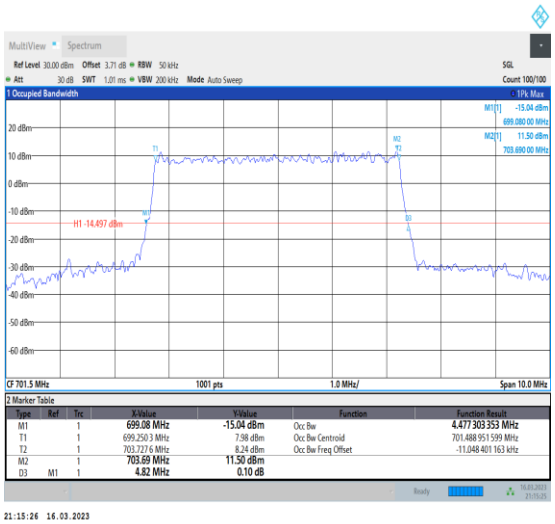

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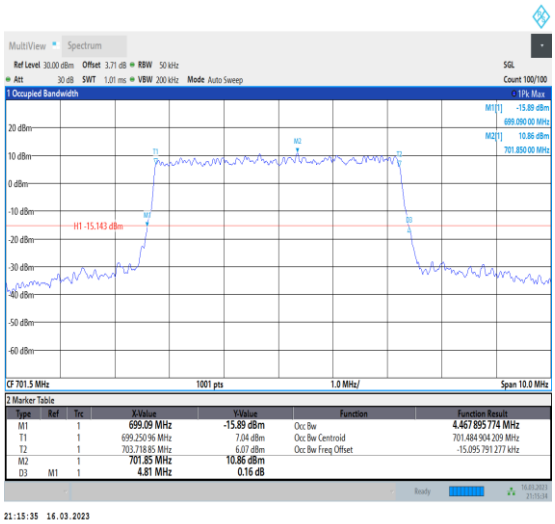

1-N12-PC3-15-5-L-4-DFT-64QAM-Outer_Full-25@0-Ant7-4.468-4.810-≤5-PASS

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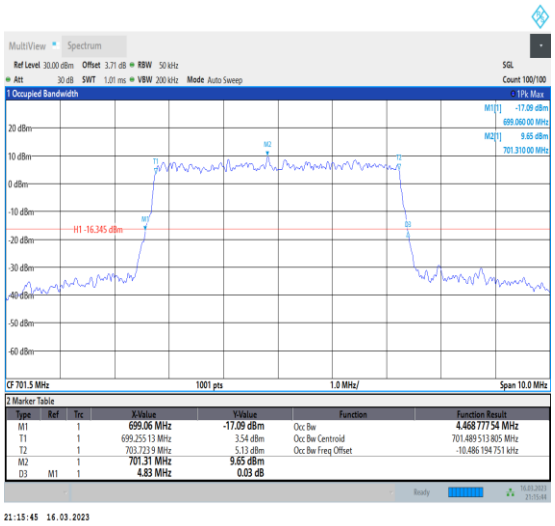

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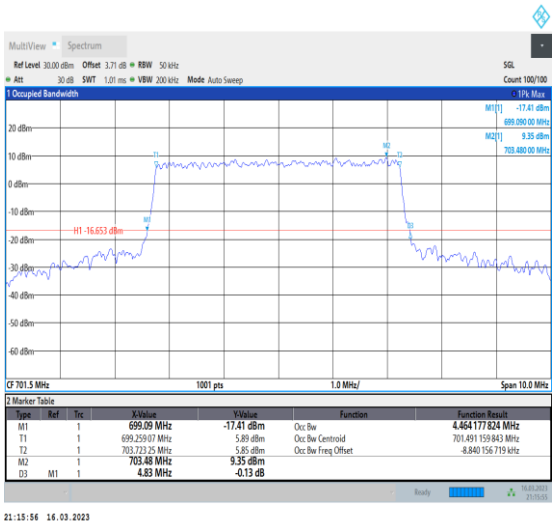

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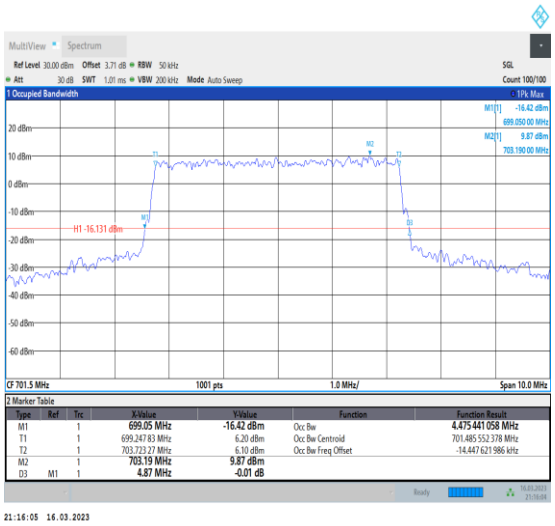

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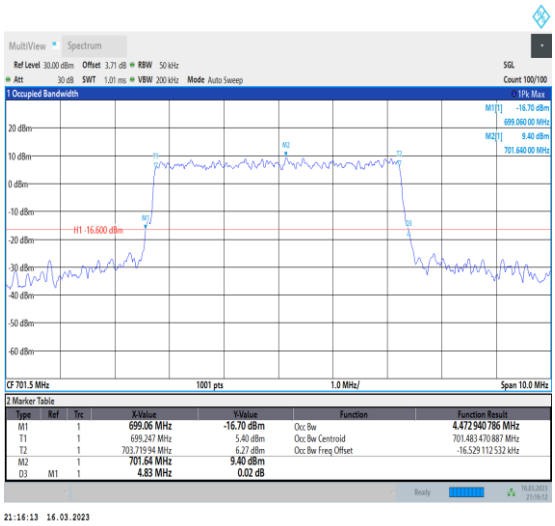

1-N12-PC3-15-5-L-8-CP-64QAM-Outer_Full-25@0-Ant7-4.473-4.830-≤5-PASS

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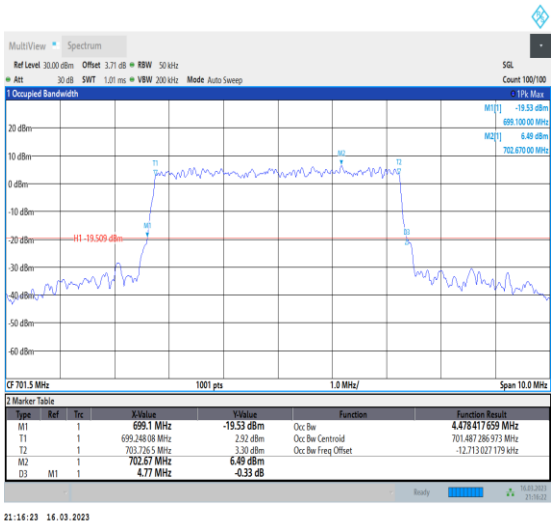

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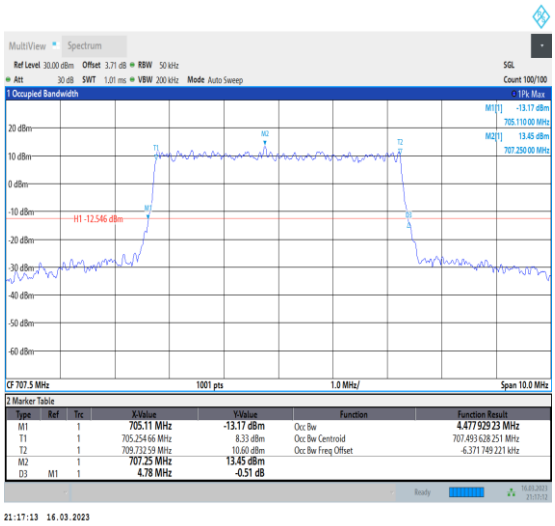

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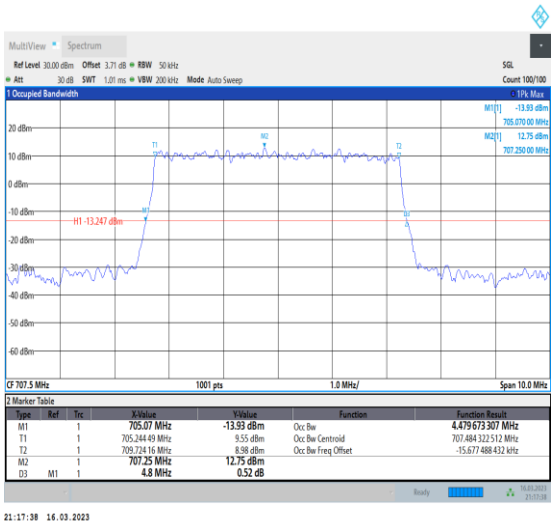

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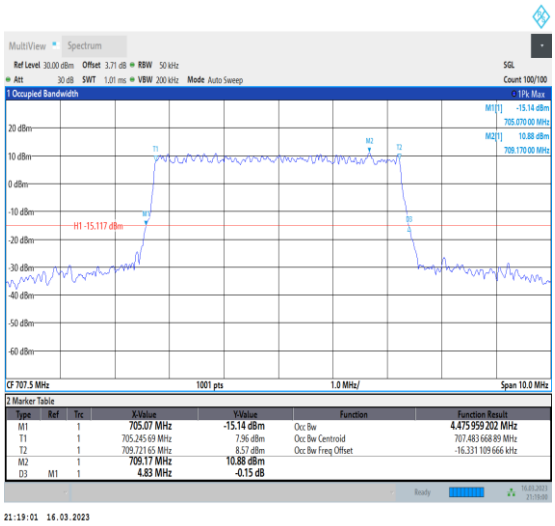

1-N12-PC3-15-5-M-3-DFT-16QAM-Outer_Full-25@0-Ant7-4.476-4.830-≤5-PASS

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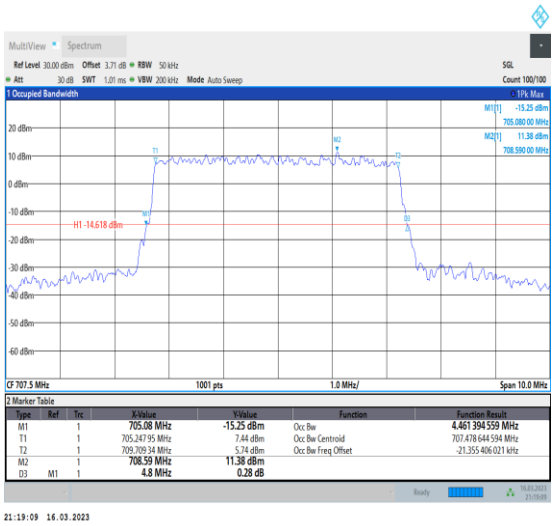

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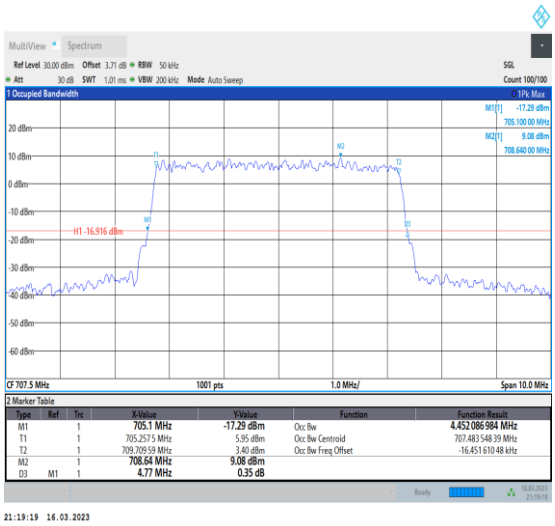

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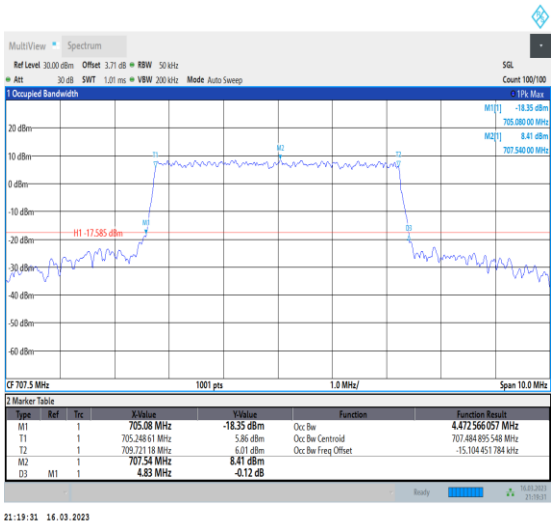

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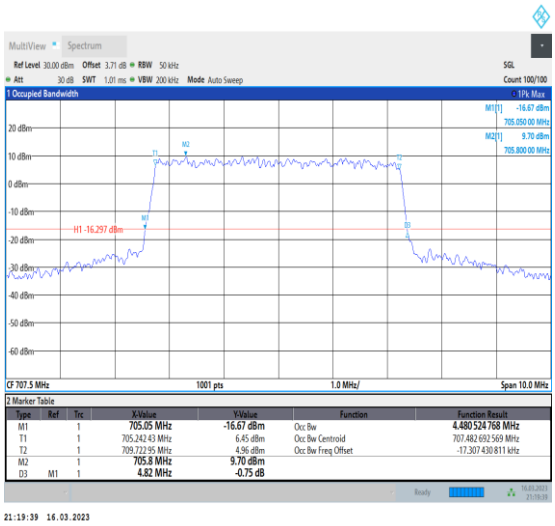

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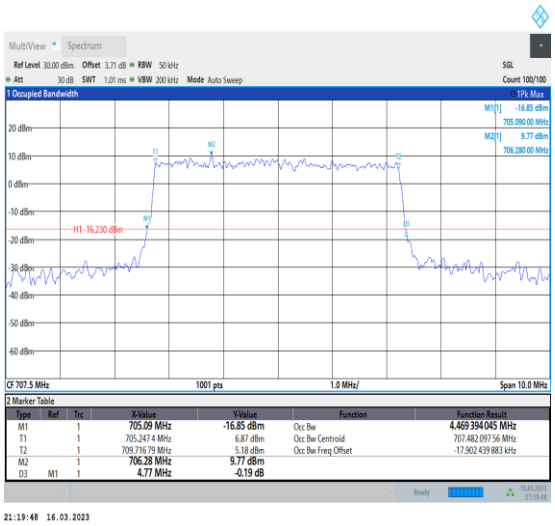

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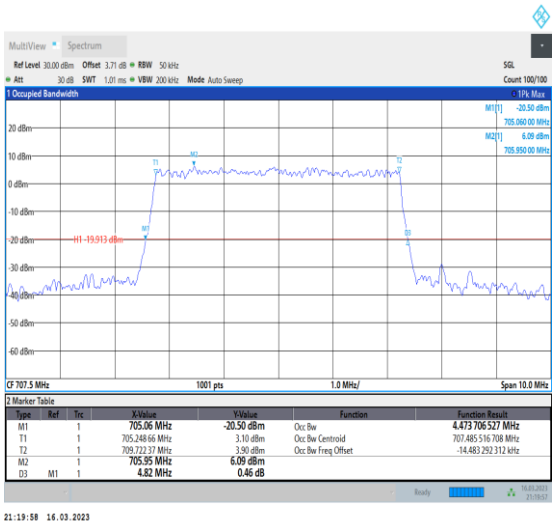

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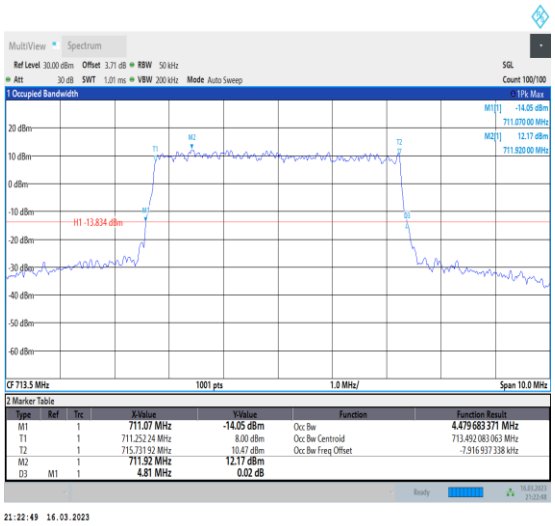

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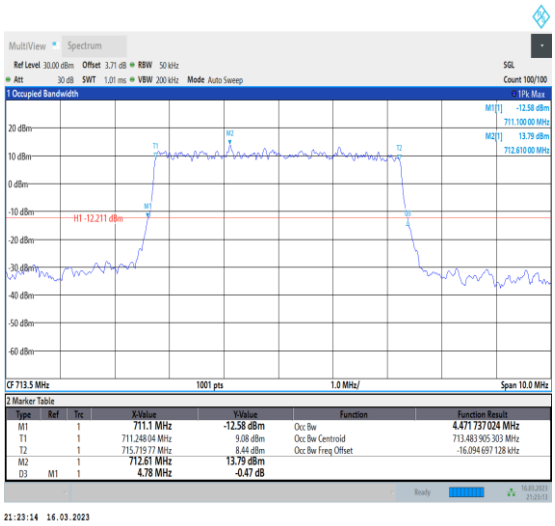

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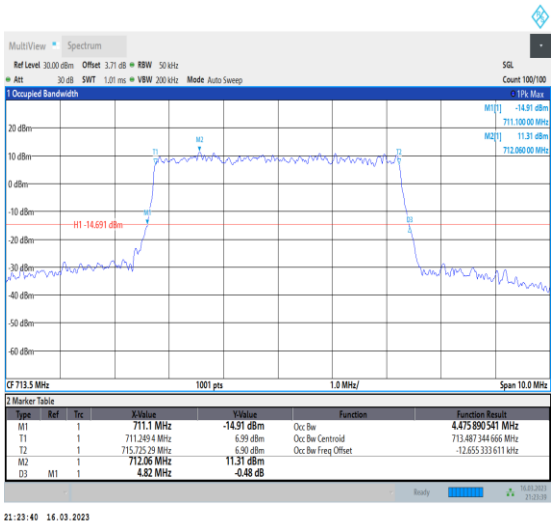

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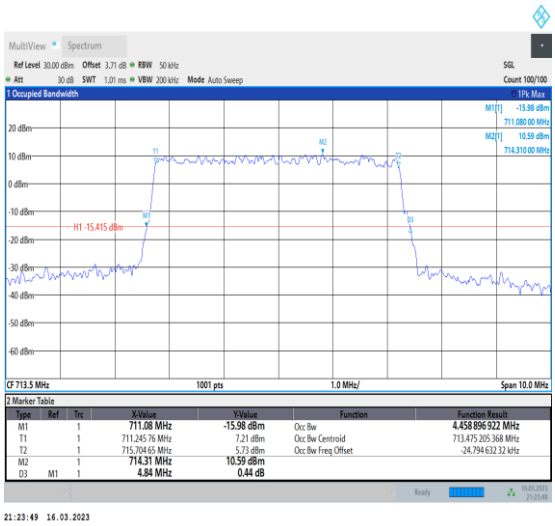

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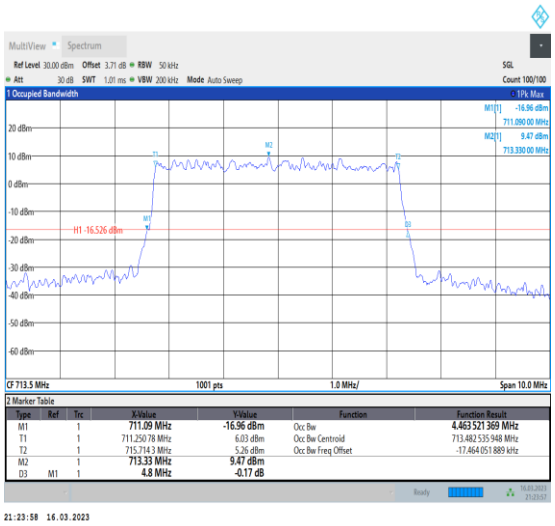

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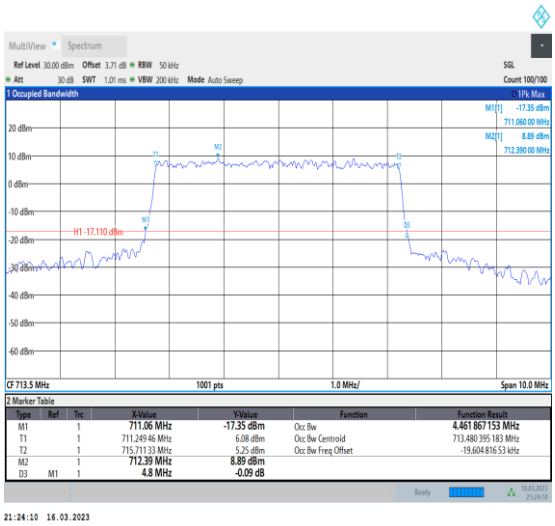

1-N12-PC3-15-5-H-6-CP-QPSK-Outer_Full-25@0-Ant7-4.462-4.800-≤5-PASS

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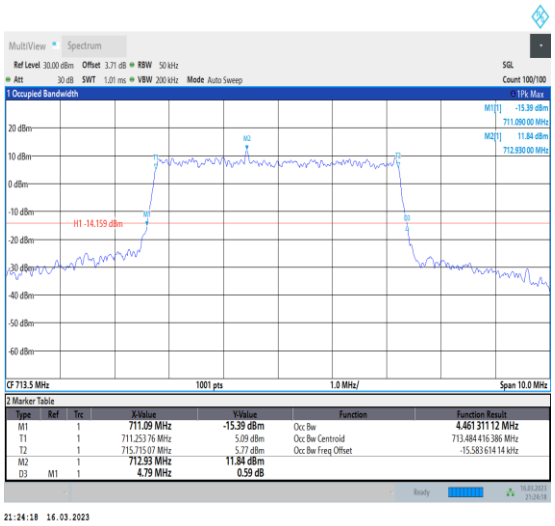

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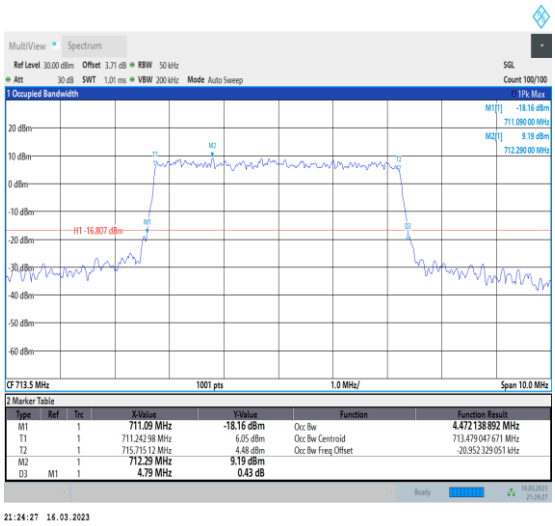

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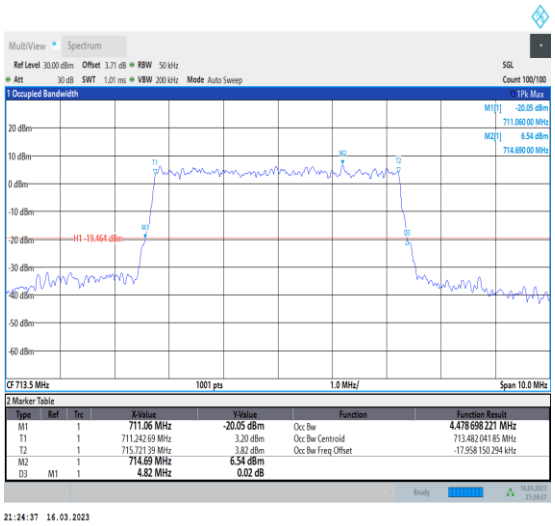

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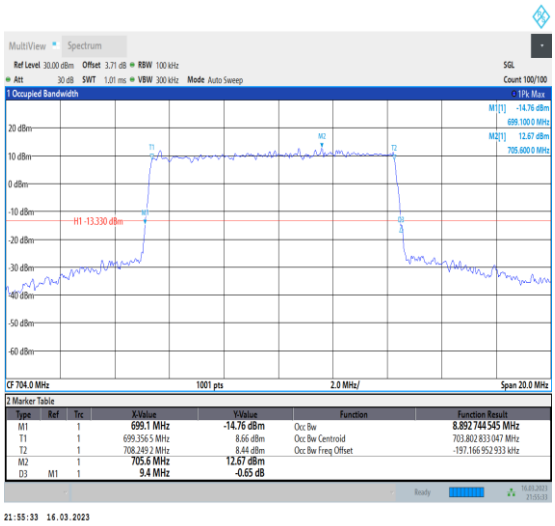

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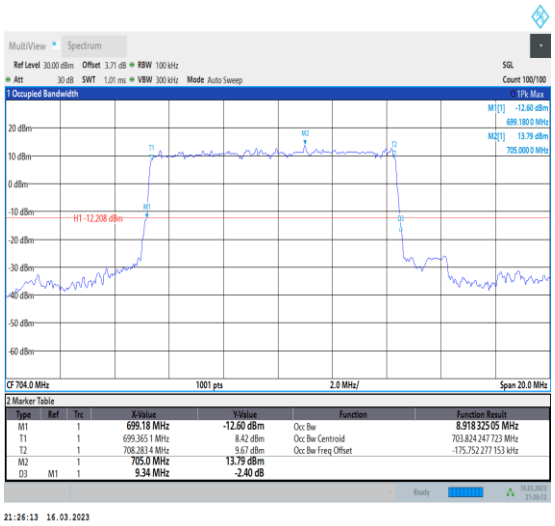

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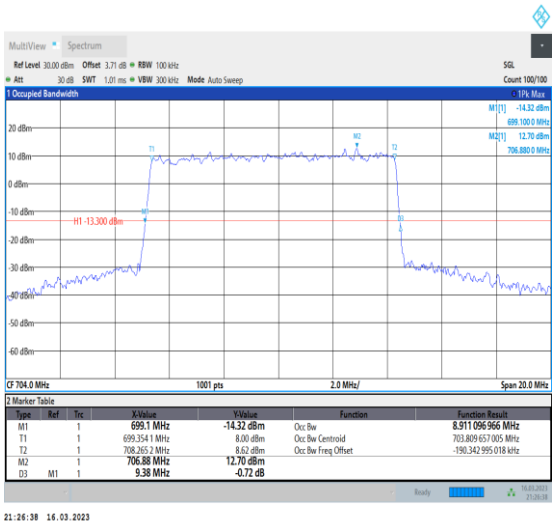

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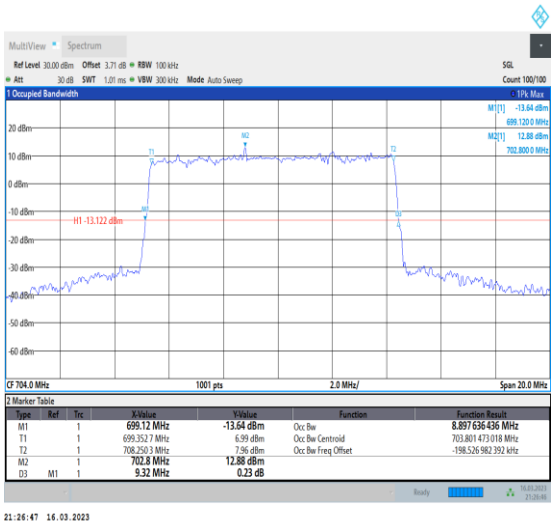

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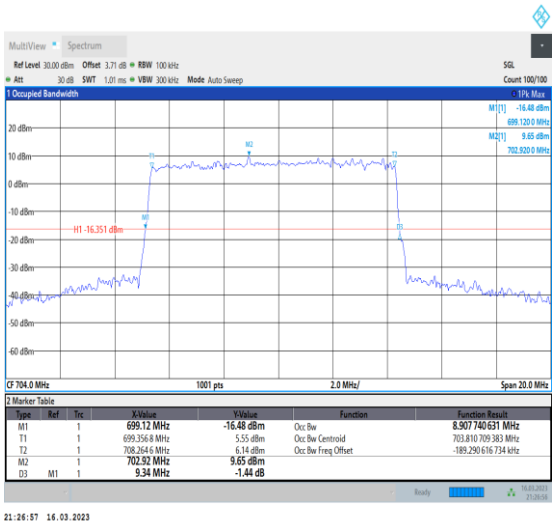

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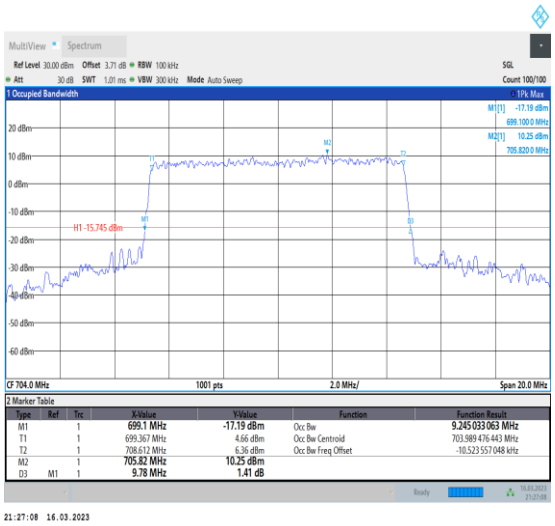

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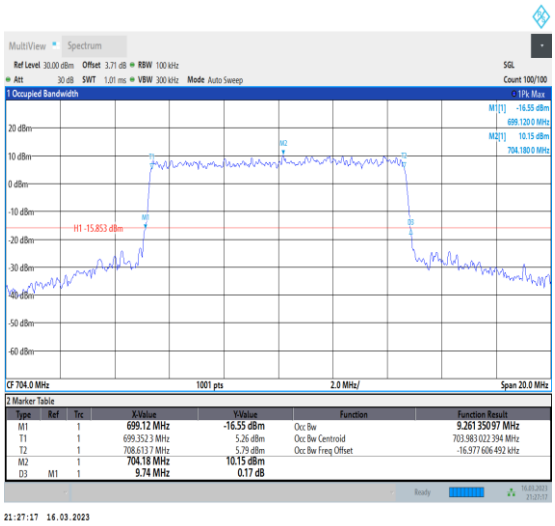

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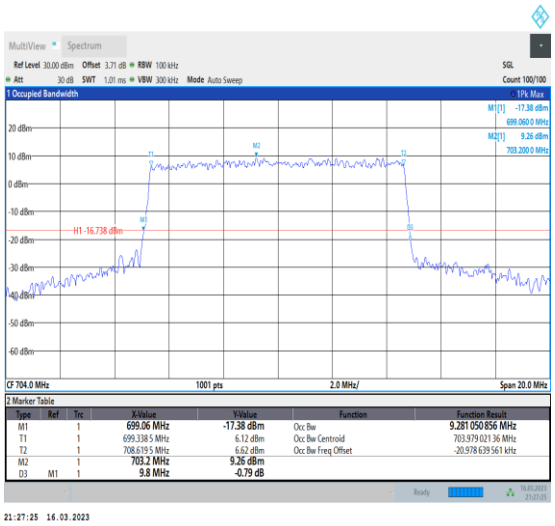

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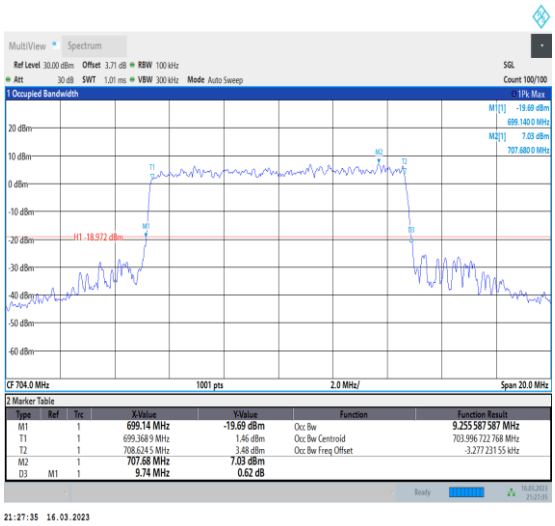

1-N12-PC3-15-10-L-9-CP-256QAM-Outer_Full-52@0-Ant7-9.256-9.740-≤10-PASS

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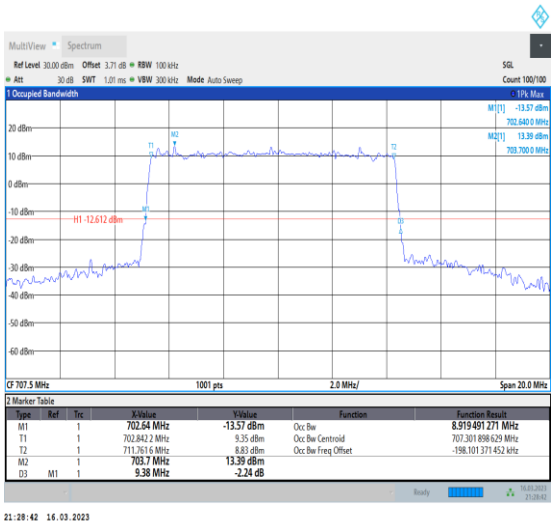

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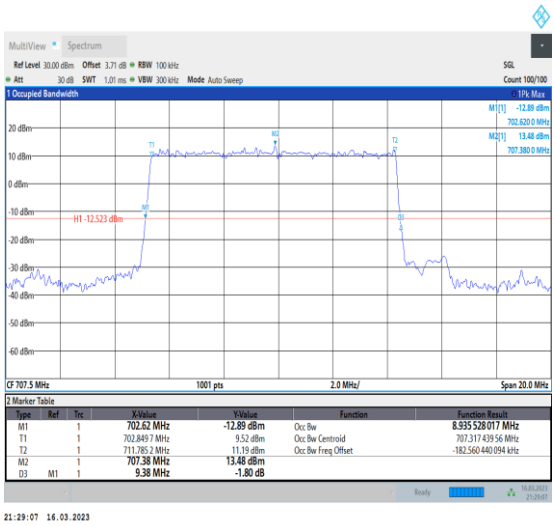

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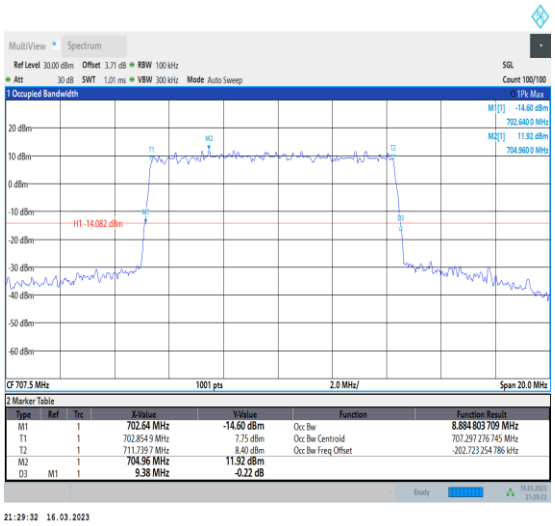

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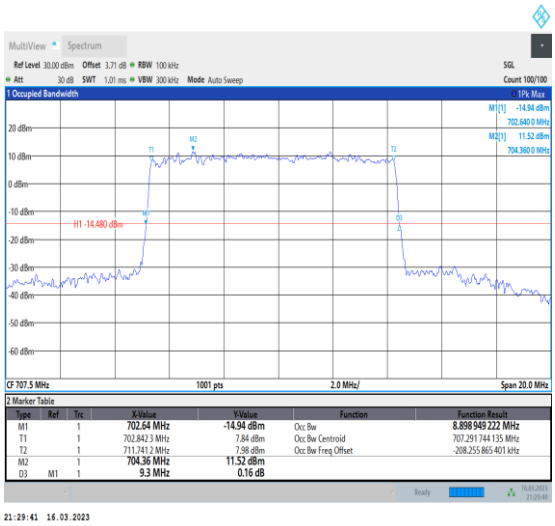

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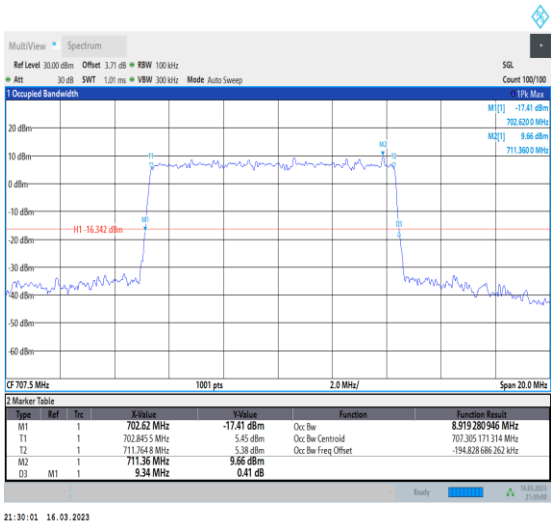

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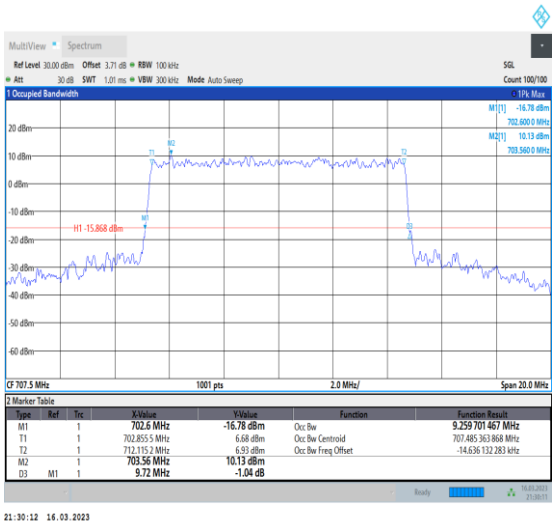

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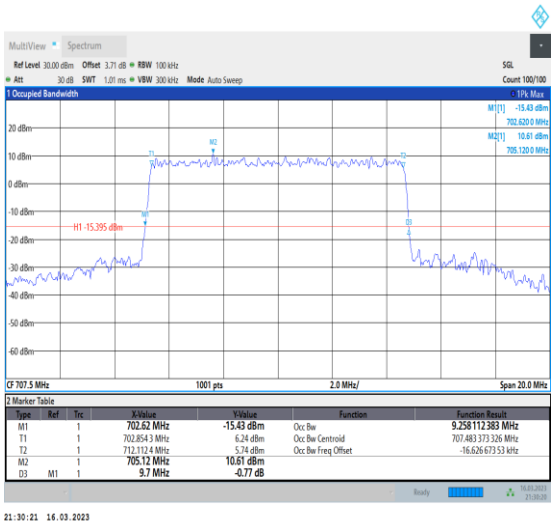

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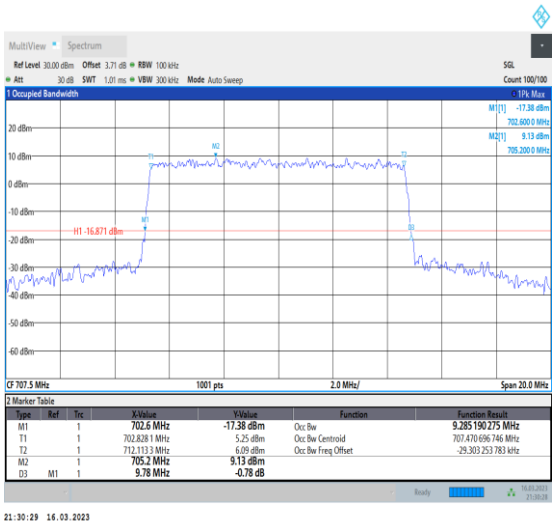

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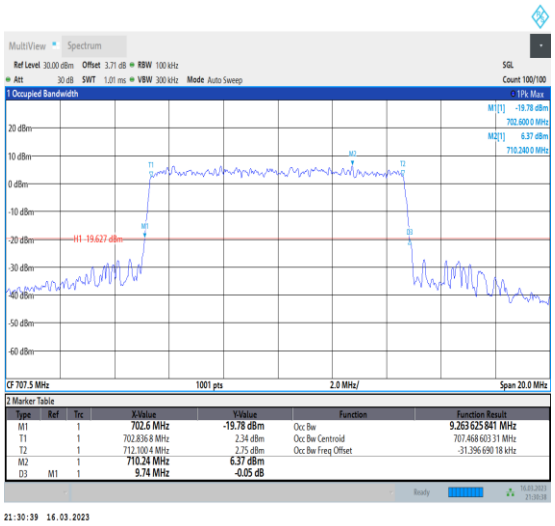

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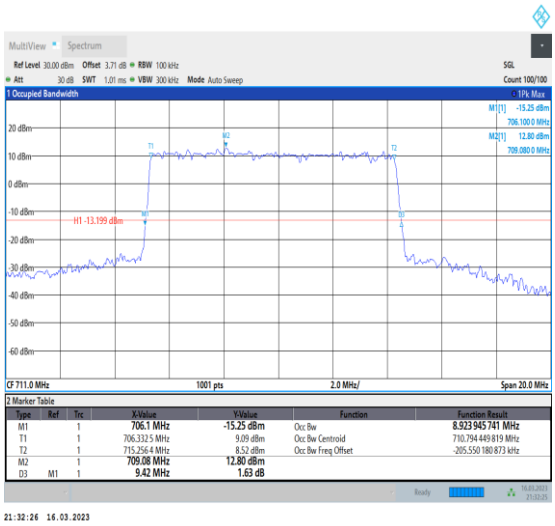

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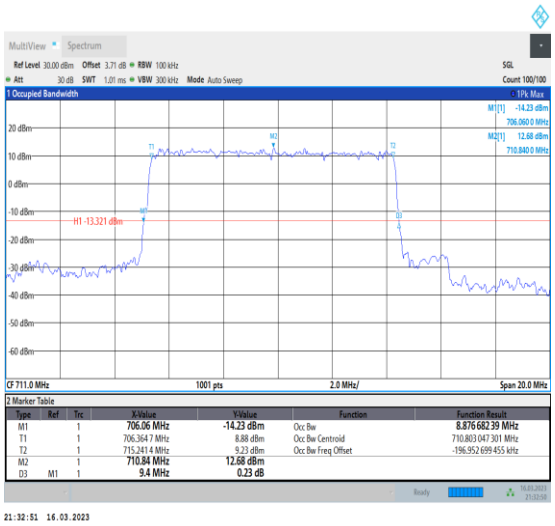

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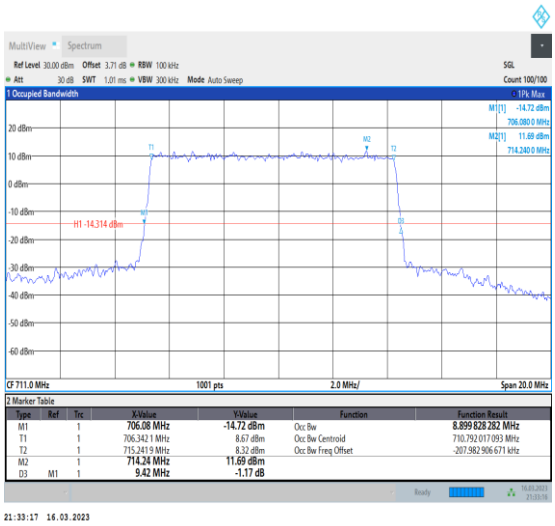

1-N12-PC3-15-10-H-3-DFT-16QAM-Outer_Full-50@0-Ant7-8.9-9.420-≤10-PASS

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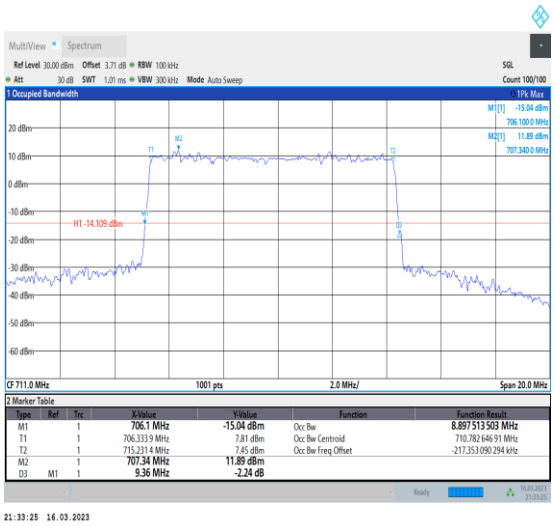

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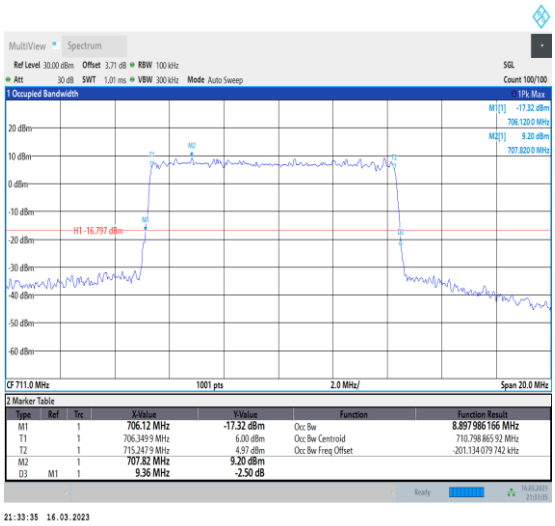

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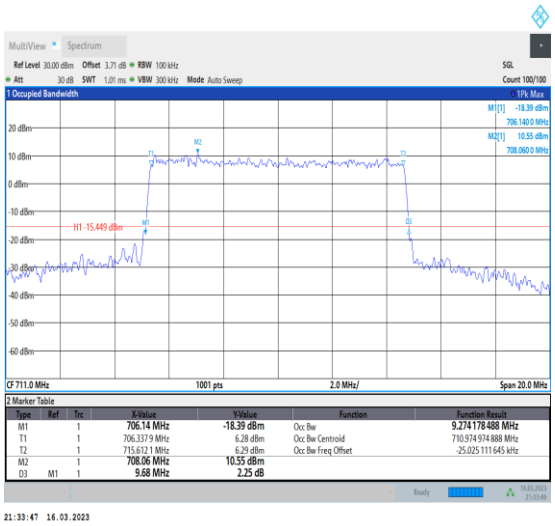

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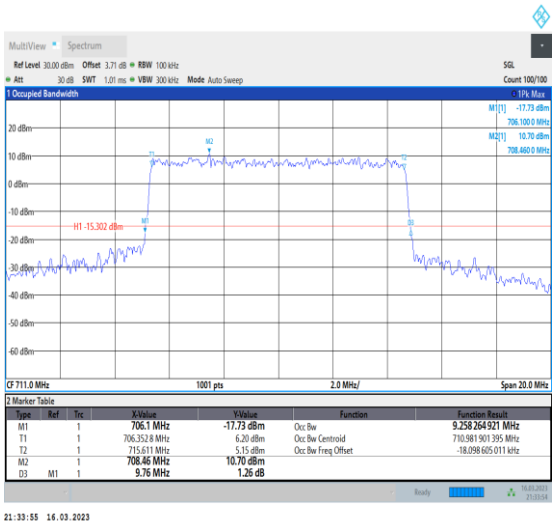

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