Appendix B.35

NR Band n30

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Effective (Isotropic) Radiated Power Output Data for SA

Test ResultAnt1

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result (dBm)	EIRP (dBm)	Limit (dBm)	Verdict
N30	15	5	DFT-PI2BPSK	L	Inner_1RB_Left	23.22	20.16	23.98	PASS
N30	15	5	DFT-PI2BPSK	L	Inner_1RB_Right	23.24	20.18	23.98	PASS
N30	15	5	DFT-PI2BPSK	L	Outer_Full	22.58	19.52	23.98	PASS
N30	15	5	DFT-QPSK	L	Inner_1RB_Left	23.29	20.23	23.98	PASS
N30	15	5	DFT-QPSK	L	Inner_1RB_Right	23.3	20.24	23.98	PASS
N30	15	5	DFT-QPSK	L	Outer_Full	22.18	19.12	23.98	PASS
N30	15	5	DFT-16QAM	L	Inner_1RB_Left	21.78	18.72	23.98	PASS
N30	15	5	DFT-16QAM	L	Inner_1RB_Right	21.82	18.76	23.98	PASS
N30	15	5	DFT-16QAM	L	Outer_Full	21.06	18	23.98	PASS
N30	15	5	DFT-64QAM	L	Inner_1RB_Left	20.59	17.53	23.98	PASS
N30	15	5	DFT-64QAM	L	Inner_1RB_Right	20.45	17.39	23.98	PASS
N30	15	5	DFT-64QAM	L	Outer_Full	20.57	17.51	23.98	PASS
N30	15	5	DFT-256QAM	L	Inner_1RB_Left	18.91	15.85	23.98	PASS
N30	15	5	DFT-256QAM	L	Inner_1RB_Right	18.93	15.87	23.98	PASS
N30	15	5	DFT-256QAM	L	Outer_Full	18.7	15.64	23.98	PASS
N30	15	5	DFT-PI2BPSK	M	Inner_1RB_Left	23.22	20.16	23.98	PASS
N30	15	5	DFT-PI2BPSK	M	Inner_1RB_Right	23.29	20.23	23.98	PASS
N30	15	5	DFT-PI2BPSK	M	Outer_Full	22.57	19.51	23.98	PASS
N30	15	5	DFT-QPSK	M	Inner_1RB_Left	23.38	20.32	23.98	PASS
N30	15	5	DFT-QPSK	M	Inner_1RB_Right	23.23	20.17	23.98	PASS
N30	15	5	DFT-QPSK	M	Outer_Full	22.21	19.15	23.98	PASS
N30	15	5	DFT-16QAM	M	Inner_1RB_Left	21.85	18.79	23.98	PASS
N30	15	5	DFT-16QAM	M	Inner_1RB_Right	21.92	18.86	23.98	PASS
N30	15	5	DFT-16QAM	M	Outer_Full	21.08	18.02	23.98	PASS
N30	15	5	DFT-64QAM	M	Inner_1RB_Left	20.48	17.42	23.98	PASS
N30	15	5	DFT-64QAM	M	Inner_1RB_Right	20.55	17.49	23.98	PASS
N30	15	5	DFT-64QAM	M	Outer_Full	20.59	17.53	23.98	PASS
N30	15	5	DFT-256QAM	M	Inner_1RB_Left	18.91	15.85	23.98	PASS
N30	15	5	DFT-256QAM	M	Inner_1RB_Right	18.94	15.88	23.98	PASS
N30	15	5	DFT-256QAM	M	Outer_Full	18.81	15.75	23.98	PASS
N30	15	5	DFT-PI2BPSK	H	Inner_1RB_Left	23.15	20.09	23.98	PASS

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N30	15	5	DFT-PI2BPSK	H	Inner_1RB_Right	23.23	20.17	23.98	PASS
N30	15	5	DFT-PI2BPSK	H	Outer_Full	22.83	19.77	23.98	PASS
N30	15	5	DFT-QPSK	H	Inner_1RB_Left	23.37	20.31	23.98	PASS
N30	15	5	DFT-QPSK	H	Inner_1RB_Right	23.34	20.28	23.98	PASS
N30	15	5	DFT-QPSK	H	Outer_Full	22.17	19.11	23.98	PASS
N30	15	5	DFT-16QAM	H	Inner_1RB_Left	21.77	18.71	23.98	PASS
N30	15	5	DFT-16QAM	H	Inner_1RB_Right	21.89	18.83	23.98	PASS
N30	15	5	DFT-16QAM	H	Outer_Full	21.22	18.16	23.98	PASS
N30	15	5	DFT-64QAM	H	Inner_1RB_Left	20.55	17.49	23.98	PASS
N30	15	5	DFT-64QAM	H	Inner_1RB_Right	20.47	17.41	23.98	PASS
N30	15	5	DFT-64QAM	H	Outer_Full	20.74	17.68	23.98	PASS
N30	15	5	DFT-256QAM	H	Inner_1RB_Left	18.93	15.87	23.98	PASS
N30	15	5	DFT-256QAM	H	Inner_1RB_Right	18.95	15.89	23.98	PASS
N30	15	5	DFT-256QAM	H	Outer_Full	18.77	15.71	23.98	PASS
N30	15	10	DFT-PI2BPSK	L	Inner_1RB_Left	23.14	20.08	23.98	PASS
N30	15	10	DFT-PI2BPSK	L	Inner_1RB_Right	23.18	20.12	23.98	PASS
N30	15	10	DFT-PI2BPSK	L	Outer_Full	22.76	19.7	23.98	PASS
N30	15	10	DFT-QPSK	L	Inner_1RB_Left	23.38	20.32	23.98	PASS
N30	15	10	DFT-QPSK	L	Inner_1RB_Right	23.33	20.27	23.98	PASS
N30	15	10	DFT-QPSK	L	Outer_Full	22.2	19.14	23.98	PASS
N30	15	10	DFT-16QAM	L	Inner_1RB_Left	21.96	18.9	23.98	PASS
N30	15	10	DFT-16QAM	L	Inner_1RB_Right	21.91	18.85	23.98	PASS
N30	15	10	DFT-16QAM	L	Outer_Full	21.2	18.14	23.98	PASS
N30	15	10	DFT-64QAM	L	Inner_1RB_Left	20.43	17.37	23.98	PASS
N30	15	10	DFT-64QAM	L	Inner_1RB_Right	20.37	17.31	23.98	PASS
N30	15	10	DFT-64QAM	L	Outer_Full	20.51	17.45	23.98	PASS
N30	15	10	DFT-256QAM	L	Inner_1RB_Left	19.01	15.95	23.98	PASS
N30	15	10	DFT-256QAM	L	Inner_1RB_Right	18.78	15.72	23.98	PASS
N30	15	10	DFT-256QAM	L	Outer_Full	18.69	15.63	23.98	PASS
N30	15	10	DFT-PI2BPSK	M	Inner_1RB_Left	23.26	20.2	23.98	PASS
N30	15	10	DFT-PI2BPSK	M	Inner_1RB_Right	23.23	20.17	23.98	PASS
N30	15	10	DFT-PI2BPSK	M	Outer_Full	22.7	19.64	23.98	PASS
N30	15	10	DFT-QPSK	M	Inner_1RB_Left	23.34	20.28	23.98	PASS
N30	15	10	DFT-QPSK	M	Inner_1RB_Right	23.2	20.14	23.98	PASS
N30	15	10	DFT-QPSK	M	Outer_Full	22.24	19.18	23.98	PASS
N30	15	10	DFT-16QAM	M	Inner_1RB_Left	21.85	18.79	23.98	PASS
N30	15	10	DFT-16QAM	M	Inner_1RB_Right	21.77	18.71	23.98	PASS

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N30	15	10	DFT-16QAM	M	Outer_Full	21.2	18.14	23.98	PASS
N30	15	10	DFT-64QAM	M	Inner_1RB_Left	20.55	17.49	23.98	PASS
N30	15	10	DFT-64QAM	M	Inner_1RB_Right	20.51	17.45	23.98	PASS
N30	15	10	DFT-64QAM	M	Outer_Full	20.61	17.55	23.98	PASS
N30	15	10	DFT-256QAM	M	Inner_1RB_Left	18.98	15.92	23.98	PASS
N30	15	10	DFT-256QAM	M	Inner_1RB_Right	18.83	15.77	23.98	PASS
N30	15	10	DFT-256QAM	M	Outer_Full	18.69	15.63	23.98	PASS
N30	15	10	DFT-PI2BPSK	H	Inner_1RB_Left	23.09	20.03	23.98	PASS
N30	15	10	DFT-PI2BPSK	H	Inner_1RB_Right	23.19	20.13	23.98	PASS
N30	15	10	DFT-PI2BPSK	H	Outer_Full	22.66	19.6	23.98	PASS
N30	15	10	DFT-QPSK	H	Inner_1RB_Left	23.23	20.17	23.98	PASS
N30	15	10	DFT-QPSK	H	Inner_1RB_Right	23.22	20.16	23.98	PASS
N30	15	10	DFT-QPSK	H	Outer_Full	22.18	19.12	23.98	PASS
N30	15	10	DFT-16QAM	H	Inner_1RB_Left	21.88	18.82	23.98	PASS
N30	15	10	DFT-16QAM	H	Inner_1RB_Right	21.9	18.84	23.98	PASS
N30	15	10	DFT-16QAM	H	Outer_Full	21.06	18	23.98	PASS
N30	15	10	DFT-64QAM	H	Inner_1RB_Left	20.42	17.36	23.98	PASS
N30	15	10	DFT-64QAM	H	Inner_1RB_Right	20.52	17.46	23.98	PASS
N30	15	10	DFT-64QAM	H	Outer_Full	20.56	17.5	23.98	PASS
N30	15	10	DFT-256QAM	H	Inner_1RB_Left	18.92	15.86	23.98	PASS
N30	15	10	DFT-256QAM	H	Inner_1RB_Right	18.91	15.85	23.98	PASS
N30	15	10	DFT-256QAM	H	Outer_Full	18.74	15.68	23.98	PASS

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Power Spectral Density Test Result

Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result (dBm/5M)	EIRP (dBm/5M)	Limit (dBm/5M)	Verdict
N30	15	5	DFT-PI2BPSK	L	Inner_1RB_Left	23.01	19.95	23.98	PASS
N30	15	5	DFT-PI2BPSK	L	Inner_1RB_Right	23.01	19.95	23.98	PASS
N30	15	5	DFT-PI2BPSK	L	Outer_Full	21.75	18.69	23.98	PASS
N30	15	5	DFT-PI2BPSK	M	Inner_1RB_Left	23.00	19.94	23.98	PASS
N30	15	5	DFT-PI2BPSK	M	Inner_1RB_Right	23.00	19.94	23.98	PASS
N30	15	5	DFT-PI2BPSK	M	Outer_Full	21.76	18.7	23.98	PASS
N30	15	5	DFT-PI2BPSK	H	Inner_1RB_Left	23.00	19.94	23.98	PASS
N30	15	5	DFT-PI2BPSK	H	Inner_1RB_Right	23.01	19.95	23.98	PASS
N30	15	5	DFT-PI2BPSK	H	Outer_Full	21.77	18.71	23.98	PASS
N30	15	10	DFT-PI2BPSK	L	Inner_1RB_Left	22.93	19.87	23.98	PASS
N30	15	10	DFT-PI2BPSK	L	Inner_1RB_Right	22.90	19.84	23.98	PASS
N30	15	10	DFT-PI2BPSK	L	Outer_Full	20.00	16.94	23.98	PASS
N30	15	10	DFT-PI2BPSK	M	Inner_1RB_Left	22.94	19.88	23.98	PASS
N30	15	10	DFT-PI2BPSK	M	Inner_1RB_Right	22.93	19.87	23.98	PASS
N30	15	10	DFT-PI2BPSK	M	Outer_Full	20.05	16.99	23.98	PASS
N30	15	10	DFT-PI2BPSK	H	Inner_1RB_Left	22.93	19.87	23.98	PASS
N30	15	10	DFT-PI2BPSK	H	Inner_1RB_Right	22.94	19.88	23.98	PASS
N30	15	10	DFT-PI2BPSK	H	Outer_Full	20.04	16.98	23.98	PASS

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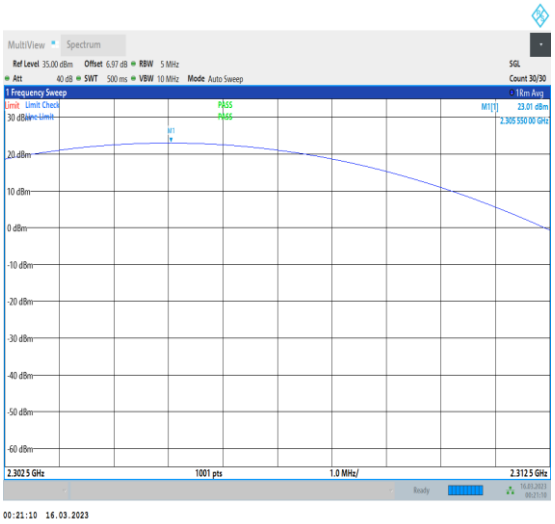
Test Graphs



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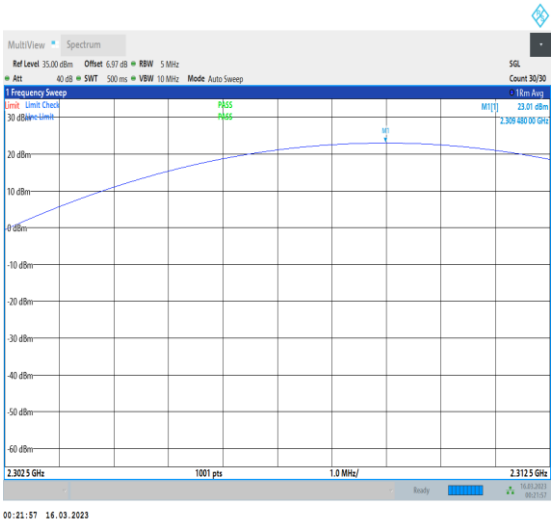

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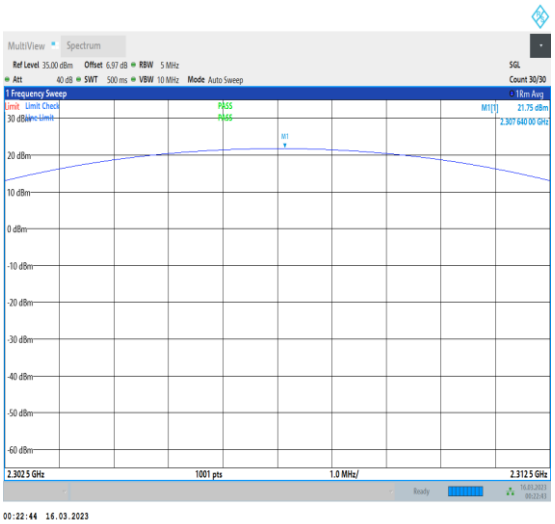

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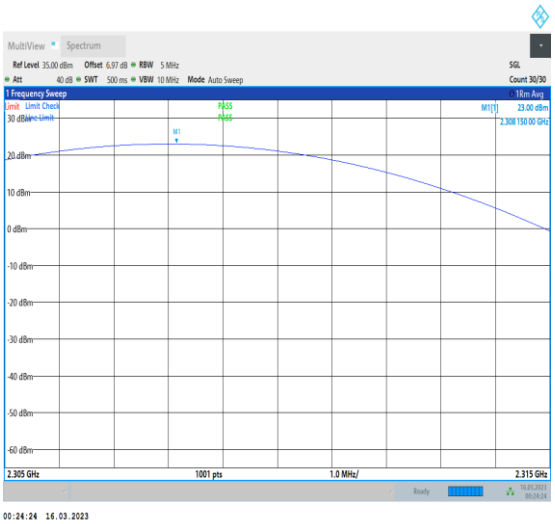

1-N30-PC3-15-5-M-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-2305-2315-Ant1-2308.15-23.00-99-PASS

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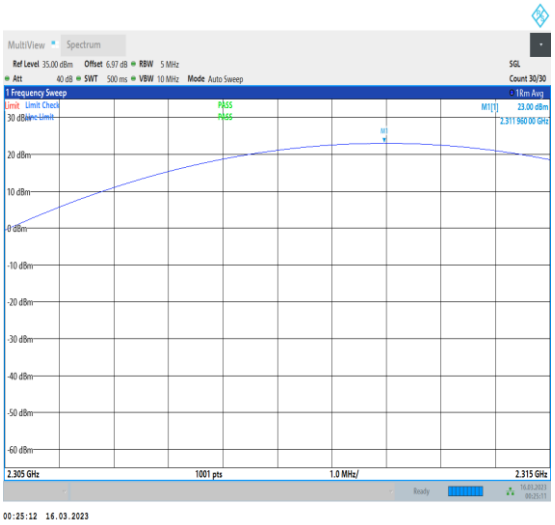

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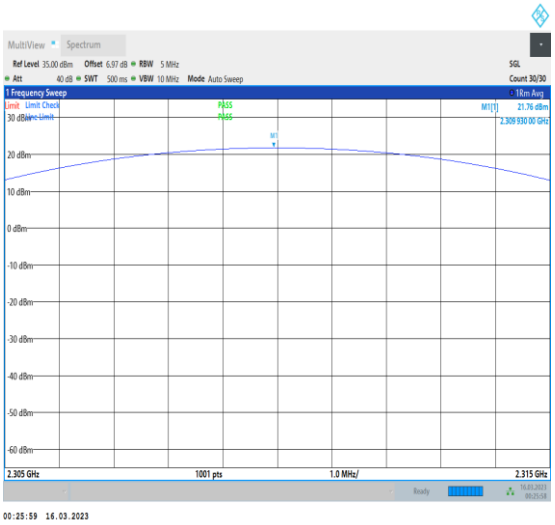

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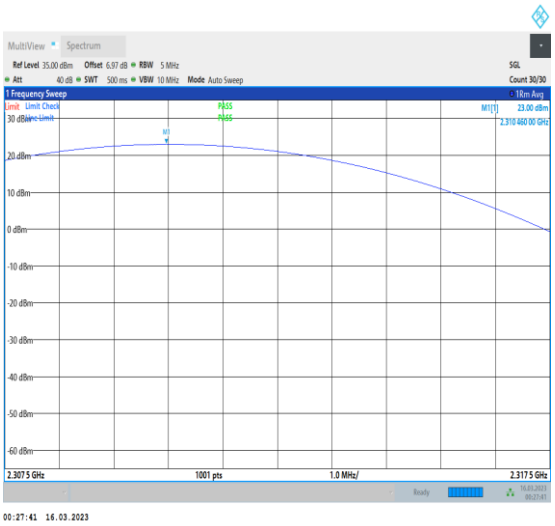

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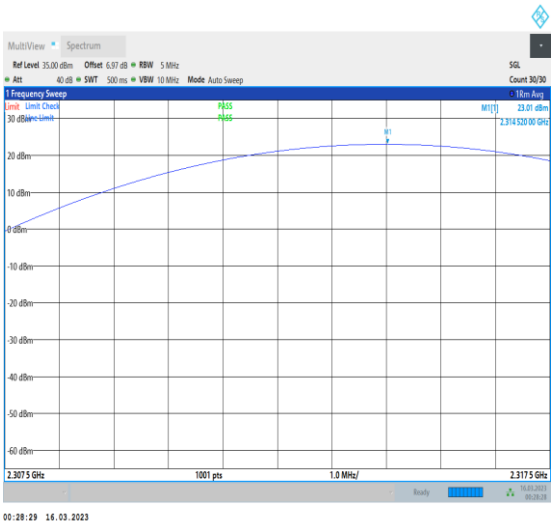

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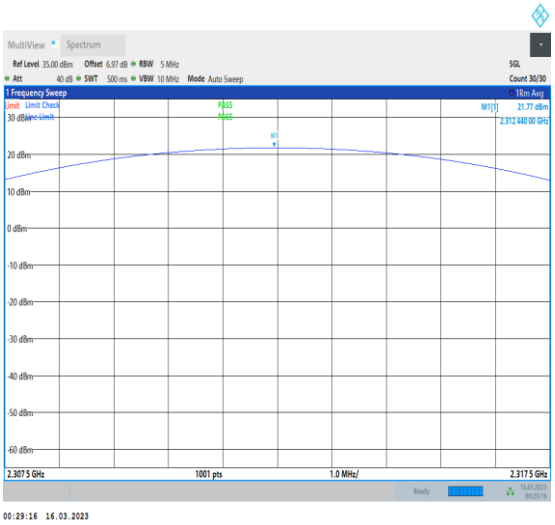

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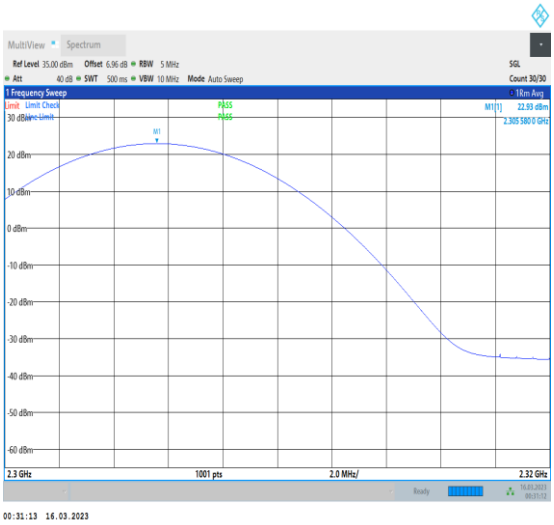

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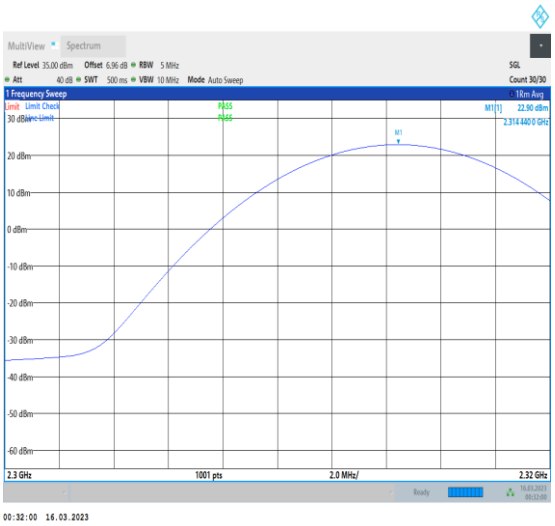

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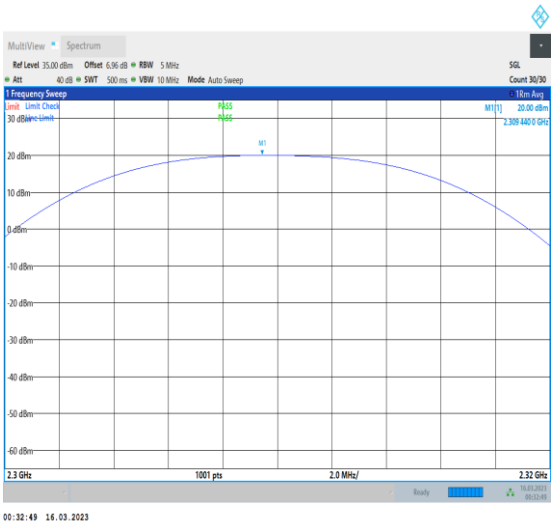

1-N30-PC3-15-10-L-3-DFT-PI2BPSK-Outer_Full-50 @0-2300-2320-Ant1-2309.44-20.00-99-PASS

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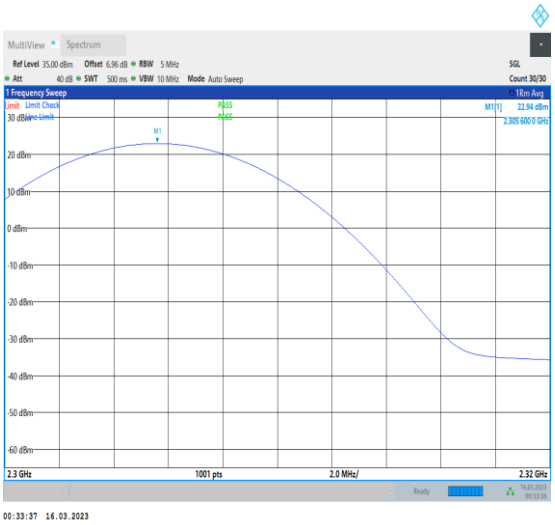

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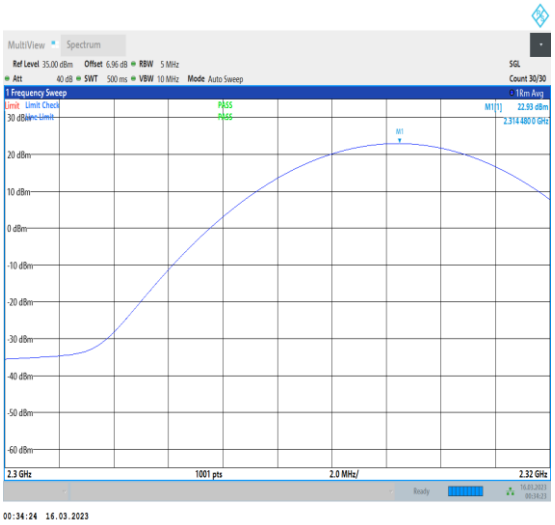

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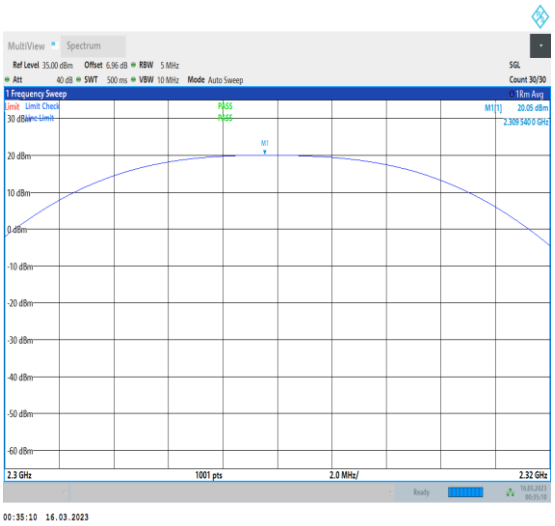

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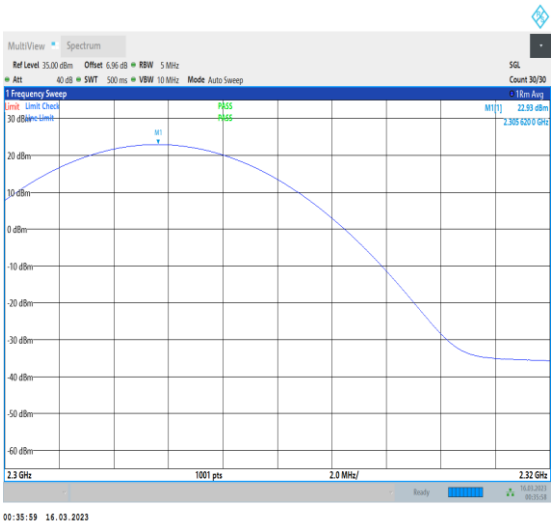

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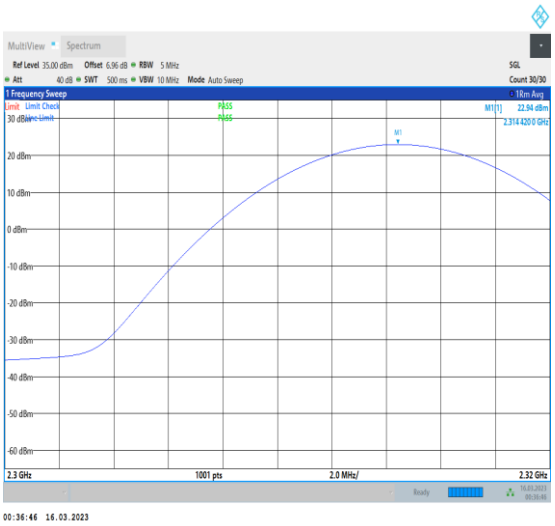	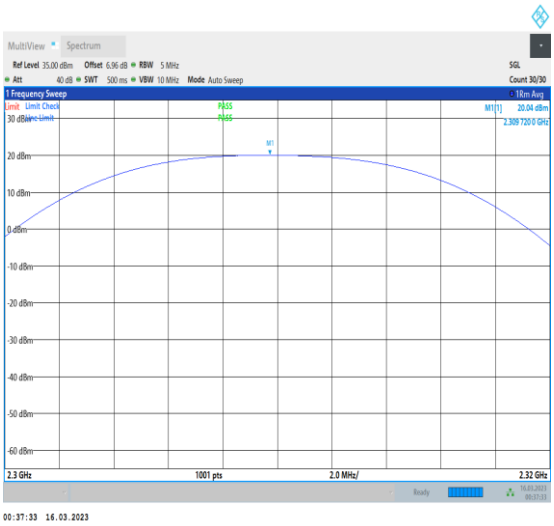
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Peak-to-Average Ratio for SA

Peak-to-Average Ratio(PAPR)

Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	DutyCycle	Factor	Result	Limit	Verdict
N30	15	10	DFT-256QAM	M	Outer_Full	100%	0.00	8.66	≤13	PASS
N30	15	10	CP-256QAM	M	Outer_Full	100%	0.00	9.29	≤13	PASS

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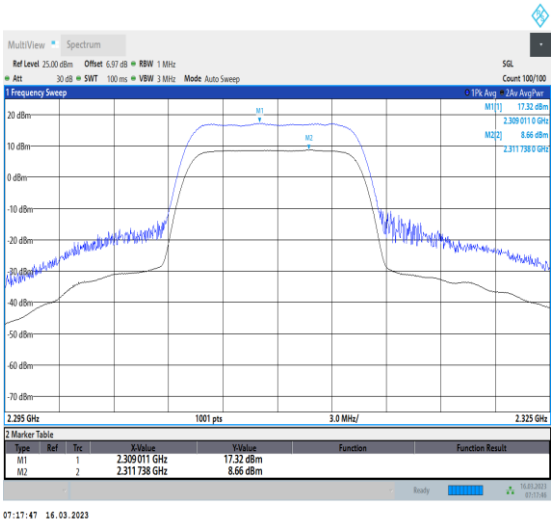
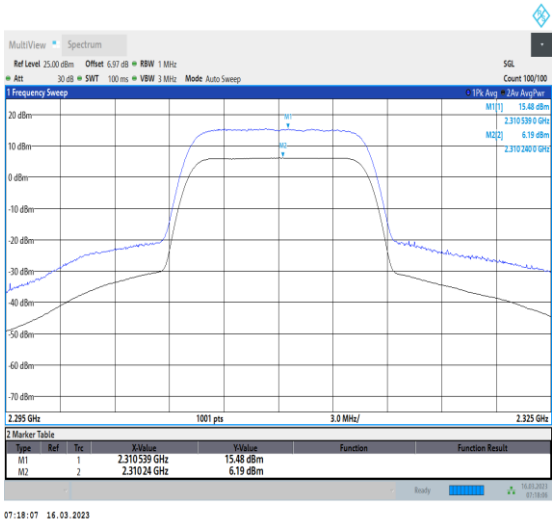
Test Graphs

	
1-N30-PC3-15-10-M-1-DFT-256QAM-Outer_Full-50 @0-Ant1-8.66-100%-0.00-8.66-PASS-≤13	1-N30-PC3-15-10-M-2-CP-256QAM-Outer_Full-52 @0-Ant1-9.29-100%-0.00-9.29-PASS-≤13

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Bandwidth and Occupied Bandwidth for SA

Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result (99%)	Result (26dB)	Verdict
N30	15	5	DFT-QPSK	L	Outer_Full	4.466	4.870	PASS
N30	15	5	DFT-PI2BPSK	L	Outer_Full	4.465	4.840	PASS
N30	15	5	DFT-16QAM	L	Outer_Full	4.466	4.840	PASS
N30	15	5	DFT-64QAM	L	Outer_Full	4.458	4.790	PASS
N30	15	5	DFT-256QAM	L	Outer_Full	4.461	4.830	PASS
N30	15	5	CP-QPSK	L	Outer_Full	4.477	4.900	PASS
N30	15	5	CP-16QAM	L	Outer_Full	4.477	4.890	PASS
N30	15	5	CP-64QAM	L	Outer_Full	4.469	4.830	PASS
N30	15	5	CP-256QAM	L	Outer_Full	4.47	4.850	PASS
N30	15	5	DFT-QPSK	M	Outer_Full	4.471	4.810	PASS
N30	15	5	DFT-PI2BPSK	M	Outer_Full	4.468	4.840	PASS
N30	15	5	DFT-16QAM	M	Outer_Full	4.468	4.860	PASS
N30	15	5	DFT-64QAM	M	Outer_Full	4.459	4.820	PASS
N30	15	5	DFT-256QAM	M	Outer_Full	4.459	4.850	PASS
N30	15	5	CP-QPSK	M	Outer_Full	4.468	4.890	PASS
N30	15	5	CP-16QAM	M	Outer_Full	4.478	4.880	PASS
N30	15	5	CP-64QAM	M	Outer_Full	4.467	4.830	PASS
N30	15	5	CP-256QAM	M	Outer_Full	4.474	4.840	PASS
N30	15	5	DFT-QPSK	H	Outer_Full	4.469	4.850	PASS
N30	15	5	DFT-PI2BPSK	H	Outer_Full	4.465	4.840	PASS
N30	15	5	DFT-16QAM	H	Outer_Full	4.457	4.820	PASS
N30	15	5	DFT-64QAM	H	Outer_Full	4.464	4.840	PASS
N30	15	5	DFT-256QAM	H	Outer_Full	4.456	4.840	PASS
N30	15	5	CP-QPSK	H	Outer_Full	4.466	4.870	PASS
N30	15	5	CP-16QAM	H	Outer_Full	4.475	4.870	PASS
N30	15	5	CP-64QAM	H	Outer_Full	4.471	4.850	PASS
N30	15	5	CP-256QAM	H	Outer_Full	4.468	4.850	PASS
N30	15	10	DFT-QPSK	L	Outer_Full	8.938	9.400	PASS
N30	15	10	DFT-PI2BPSK	L	Outer_Full	8.919	9.440	PASS
N30	15	10	DFT-16QAM	L	Outer_Full	8.926	9.400	PASS

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N30	15	10	DFT-64QAM	L	Outer_Full	8.919	9.440	PASS
N30	15	10	DFT-256QAM	L	Outer_Full	8.93	9.460	PASS
N30	15	10	CP-QPSK	L	Outer_Full	9.281	9.800	PASS
N30	15	10	CP-16QAM	L	Outer_Full	9.27	9.820	PASS
N30	15	10	CP-64QAM	L	Outer_Full	9.284	9.860	PASS
N30	15	10	CP-256QAM	L	Outer_Full	9.274	9.800	PASS
N30	15	10	DFT-QPSK	M	Outer_Full	8.932	9.420	PASS
N30	15	10	DFT-PI2BPSK	M	Outer_Full	8.92	9.460	PASS
N30	15	10	DFT-16QAM	M	Outer_Full	8.923	9.400	PASS
N30	15	10	DFT-64QAM	M	Outer_Full	8.91	9.440	PASS
N30	15	10	DFT-256QAM	M	Outer_Full	8.916	9.440	PASS
N30	15	10	CP-QPSK	M	Outer_Full	9.283	9.840	PASS
N30	15	10	CP-16QAM	M	Outer_Full	9.266	9.800	PASS
N30	15	10	CP-64QAM	M	Outer_Full	9.279	9.840	PASS
N30	15	10	CP-256QAM	M	Outer_Full	9.276	9.800	PASS
N30	15	10	DFT-QPSK	H	Outer_Full	8.937	9.440	PASS
N30	15	10	DFT-PI2BPSK	H	Outer_Full	8.92	9.460	PASS
N30	15	10	DFT-16QAM	H	Outer_Full	8.928	9.400	PASS
N30	15	10	DFT-64QAM	H	Outer_Full	8.922	9.440	PASS
N30	15	10	DFT-256QAM	H	Outer_Full	8.922	9.420	PASS
N30	15	10	CP-QPSK	H	Outer_Full	9.285	9.800	PASS
N30	15	10	CP-16QAM	H	Outer_Full	9.26	9.840	PASS
N30	15	10	CP-64QAM	H	Outer_Full	9.28	9.860	PASS
N30	15	10	CP-256QAM	H	Outer_Full	9.275	9.820	PASS

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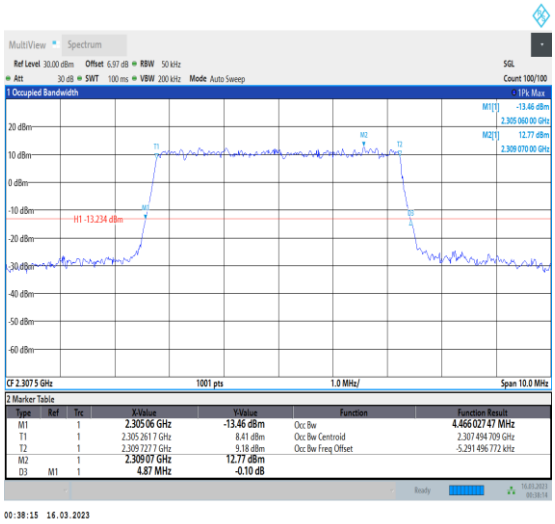
Test Graphs



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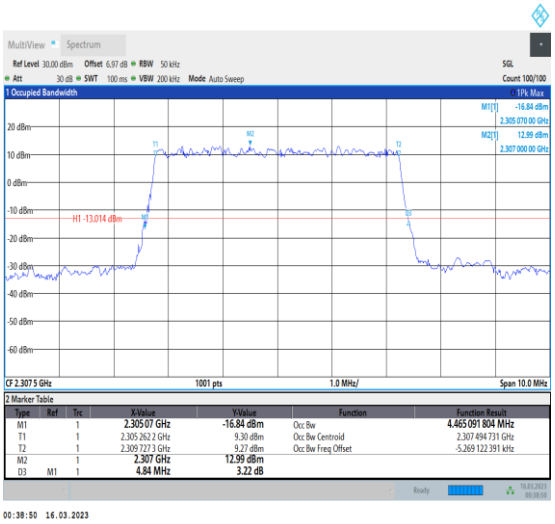

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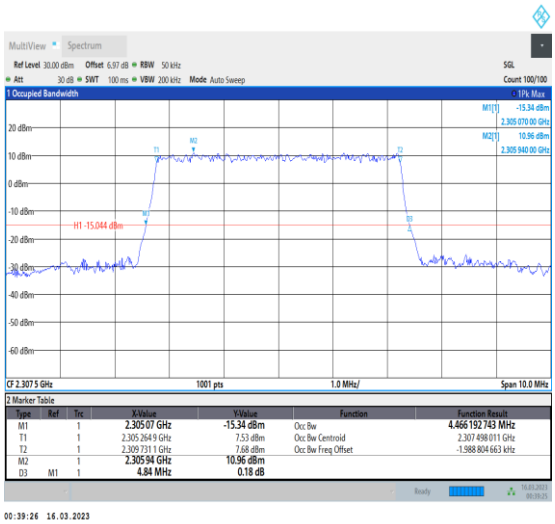

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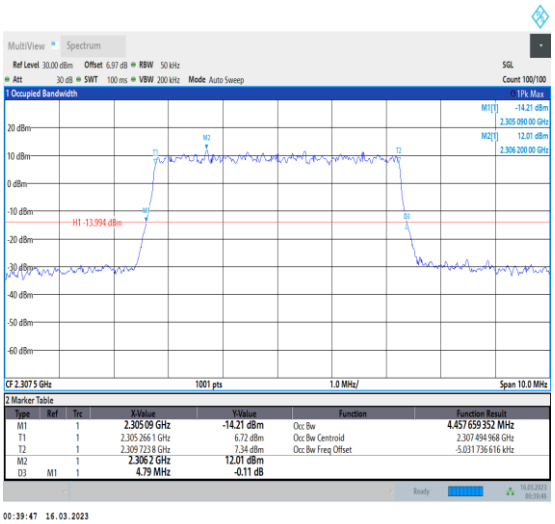

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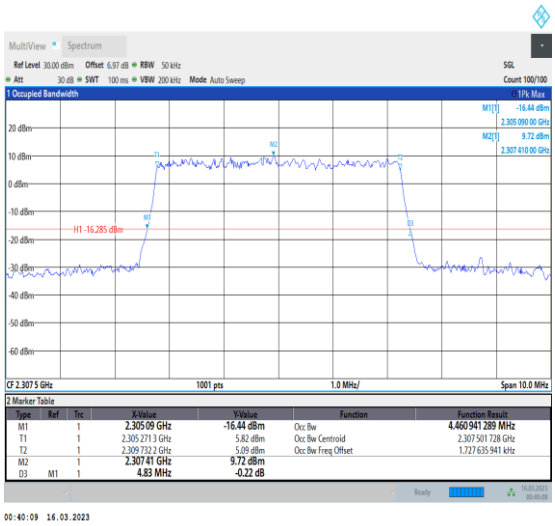

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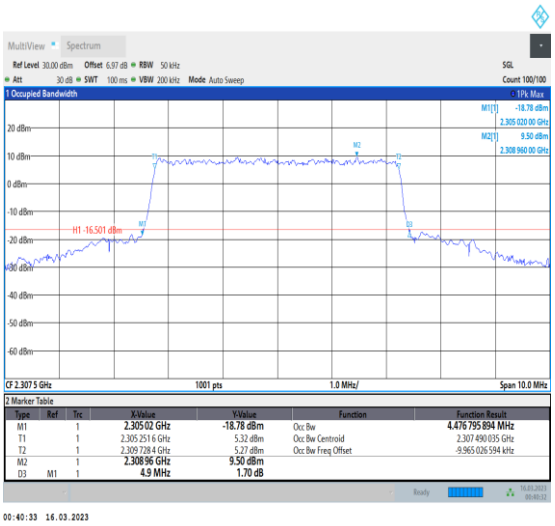

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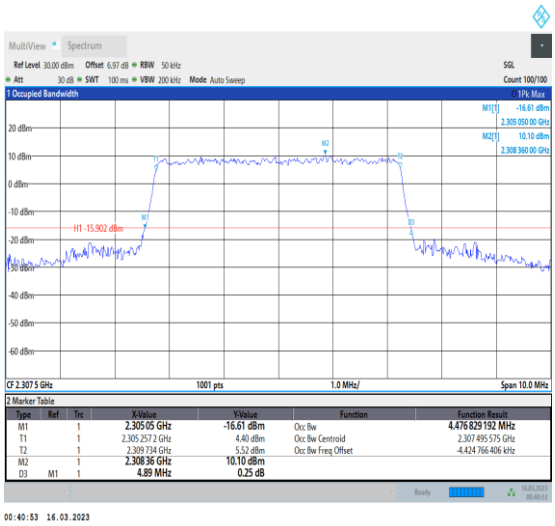

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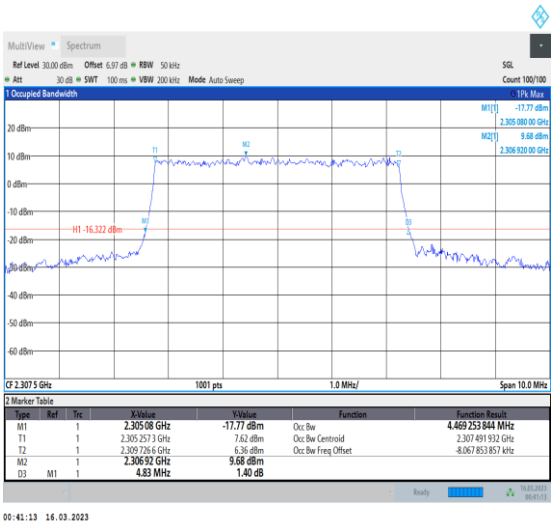

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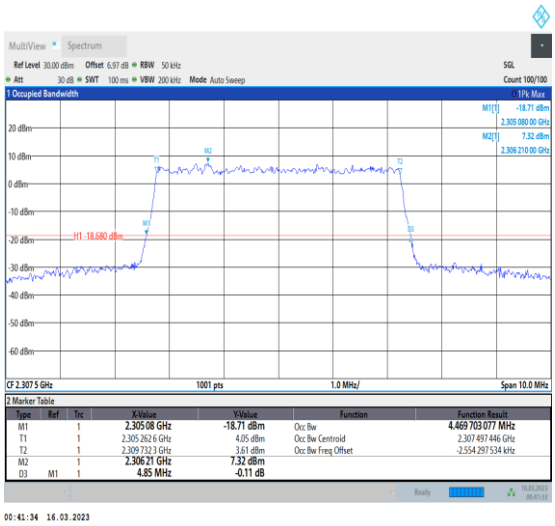

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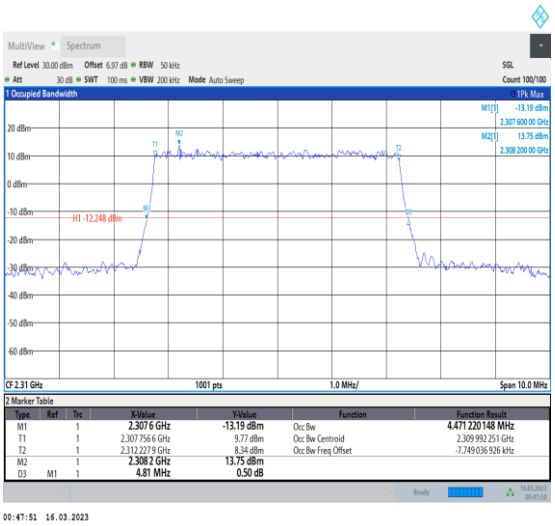

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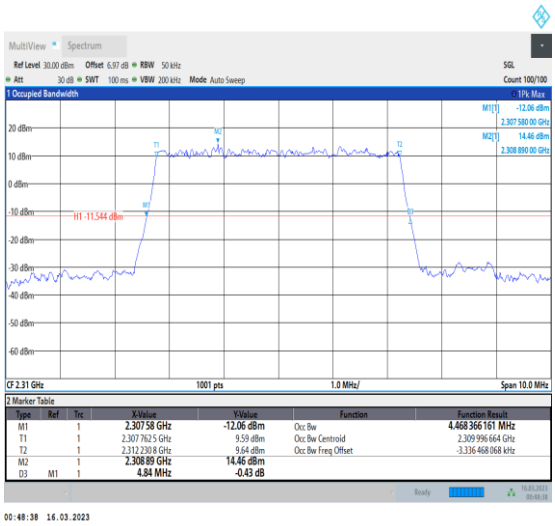

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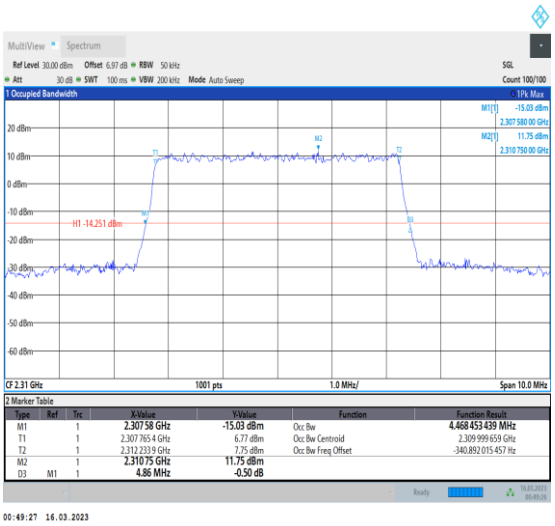

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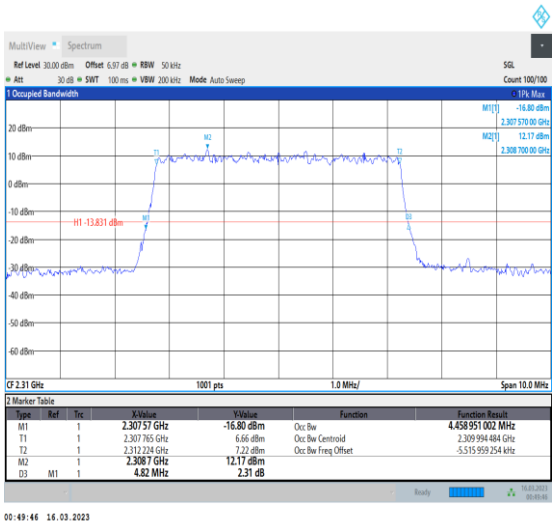

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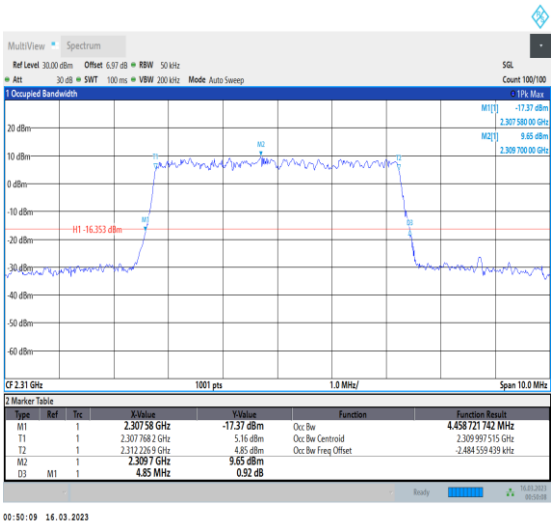

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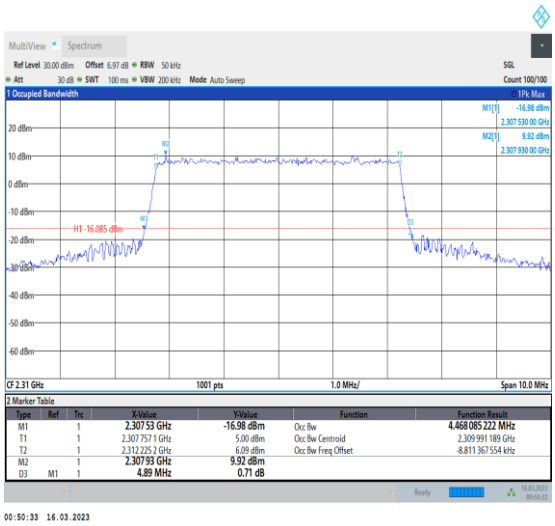

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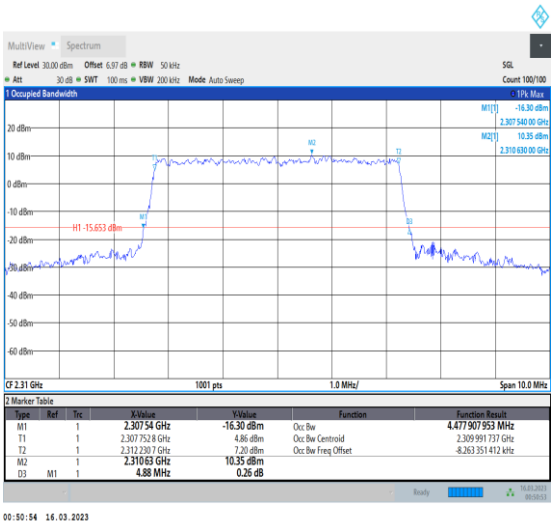

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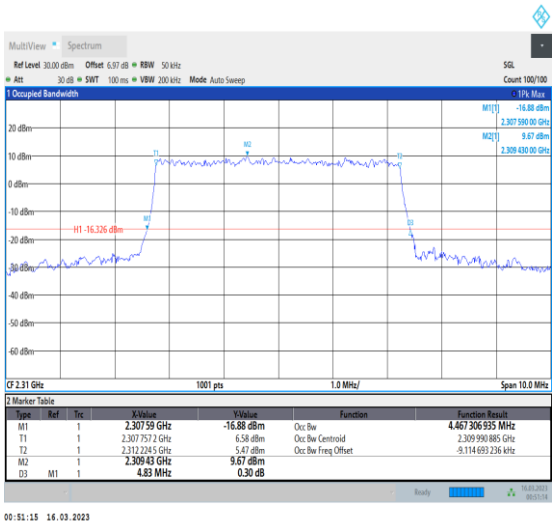

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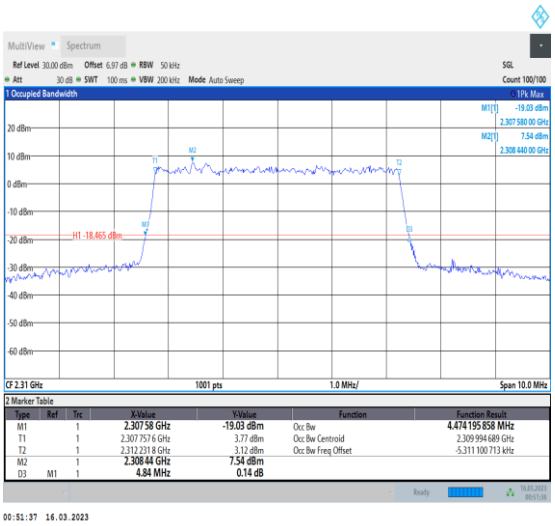

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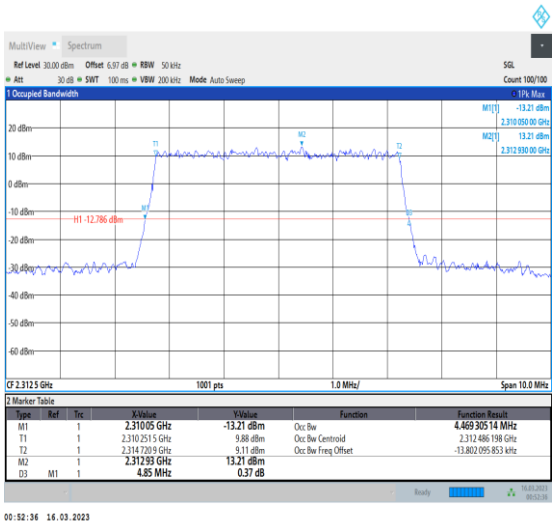

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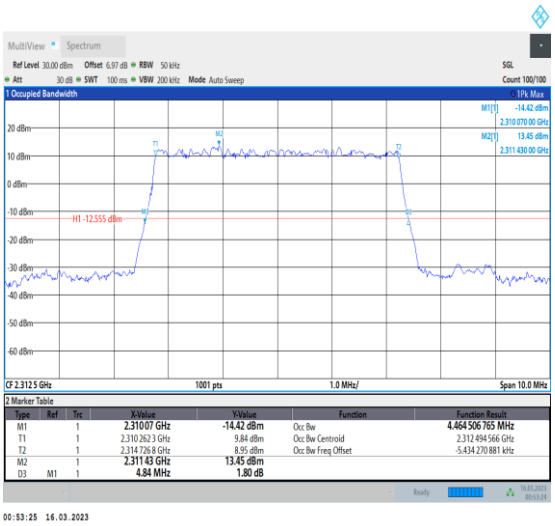

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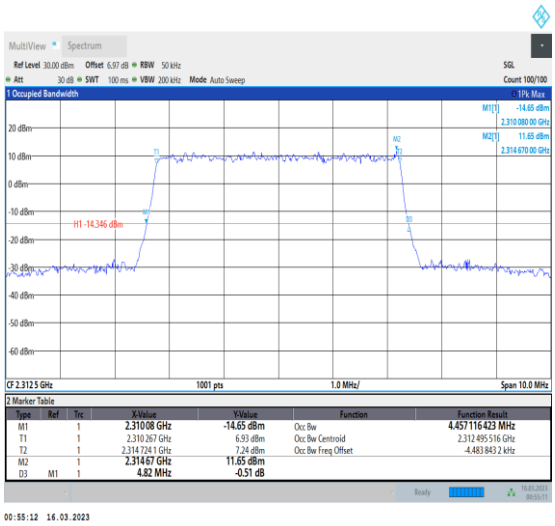

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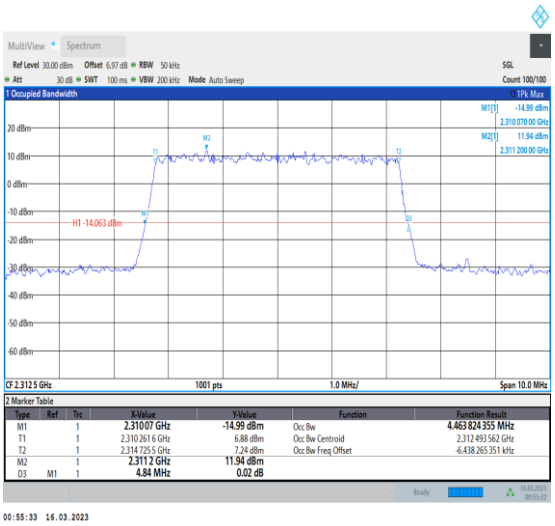

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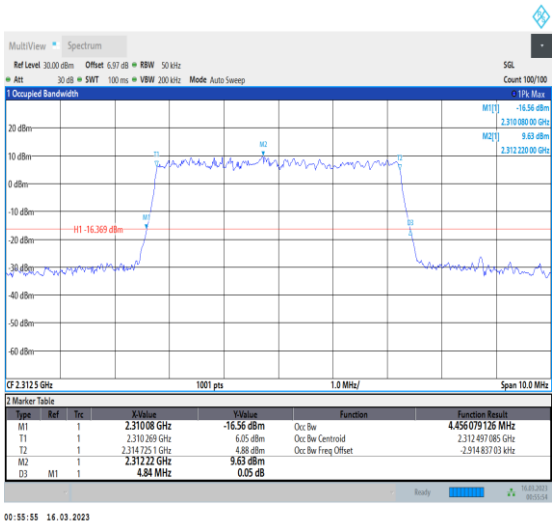

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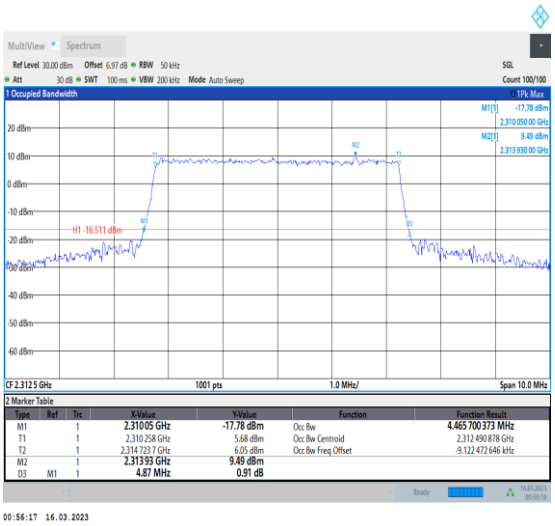

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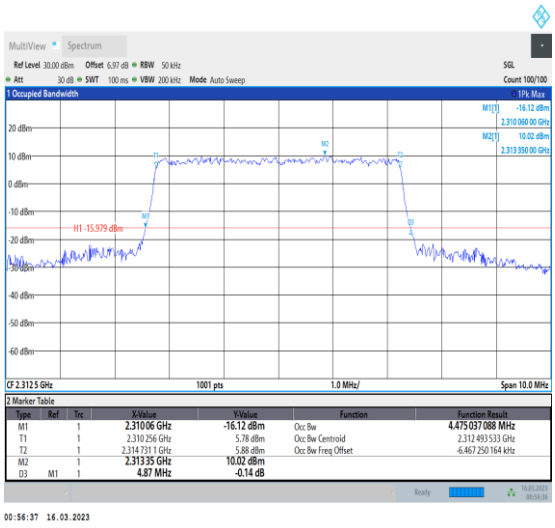

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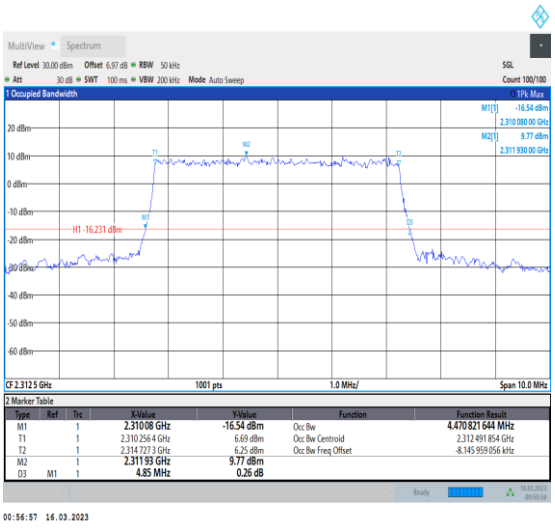

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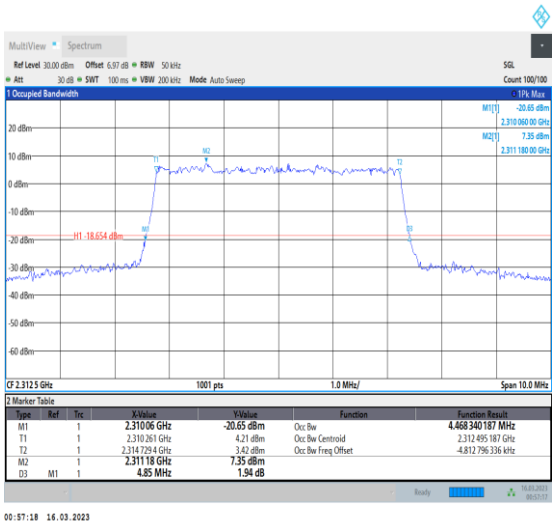

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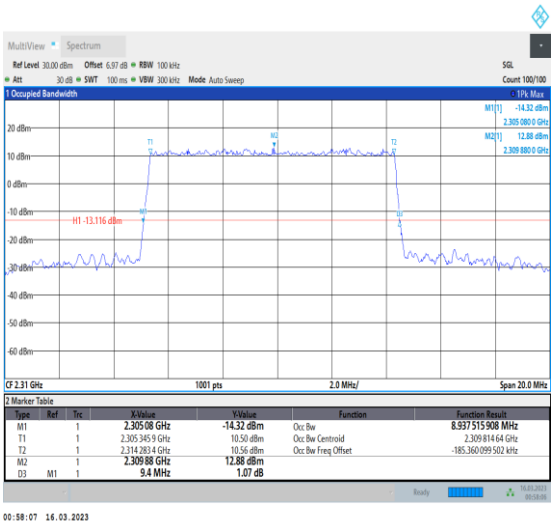

1-N30-PC3-15-10-L-1-DFT-QPSK-Outer_Full-50@0-Ant1-8.938-9.400-≤10-PASS

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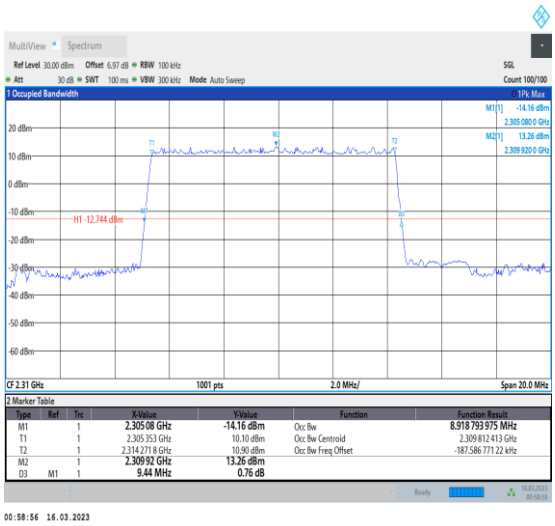

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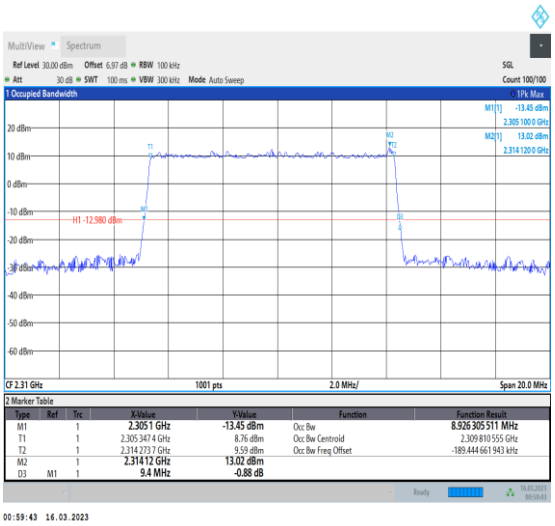

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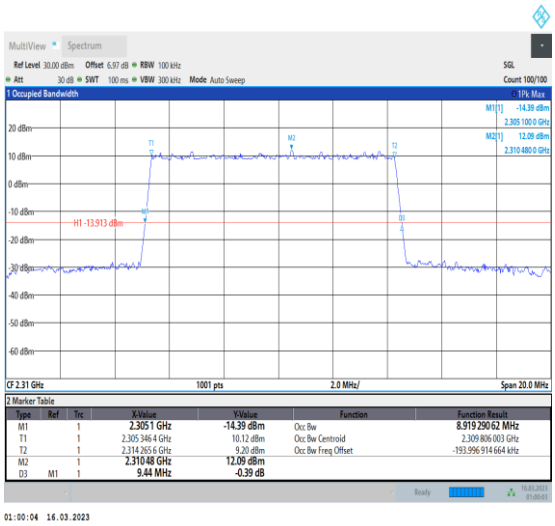

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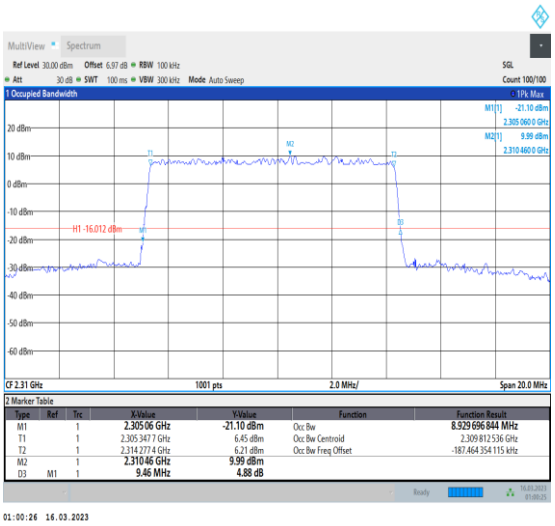

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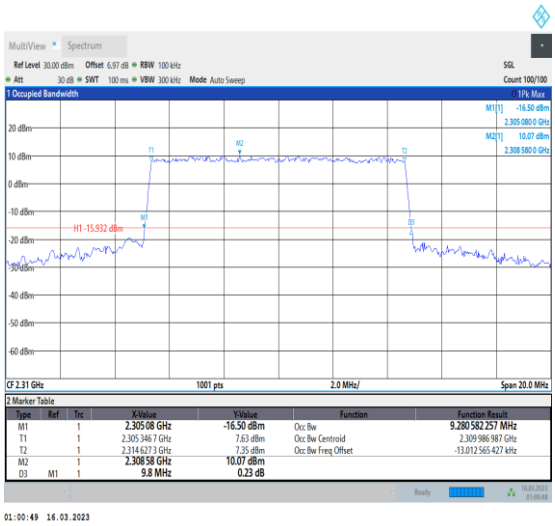

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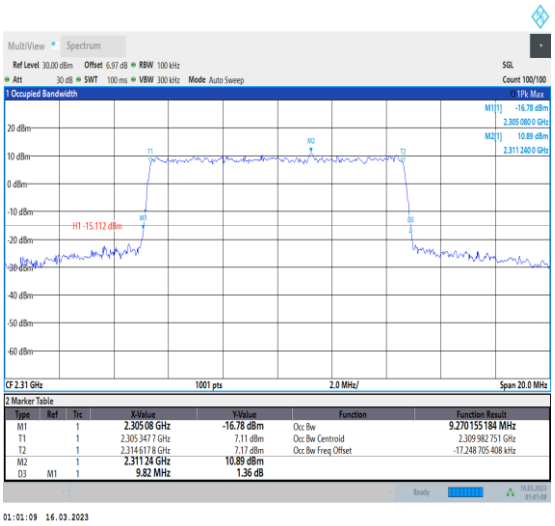

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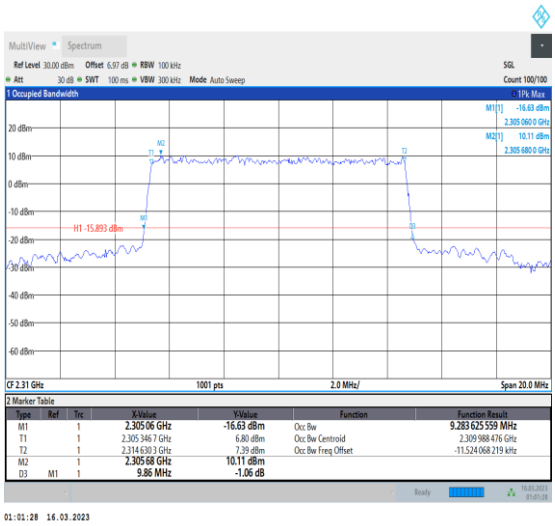

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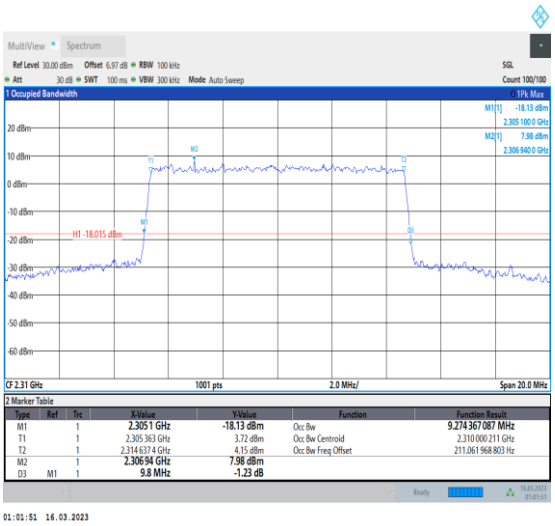

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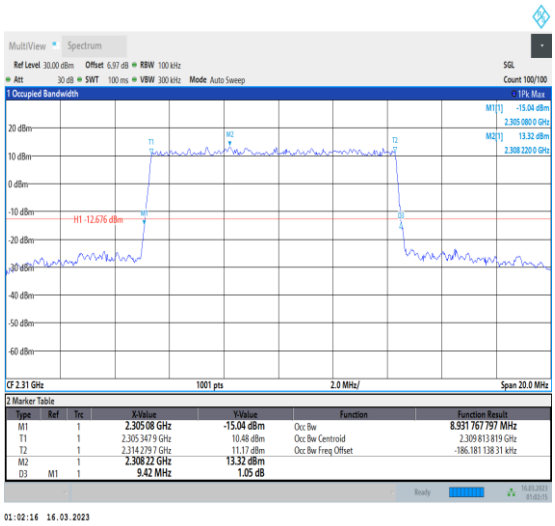

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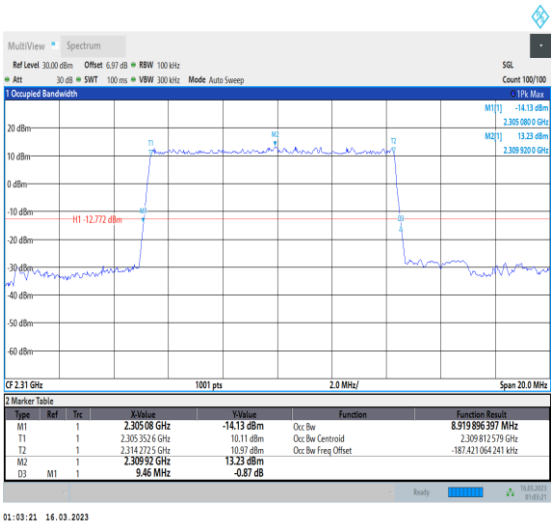

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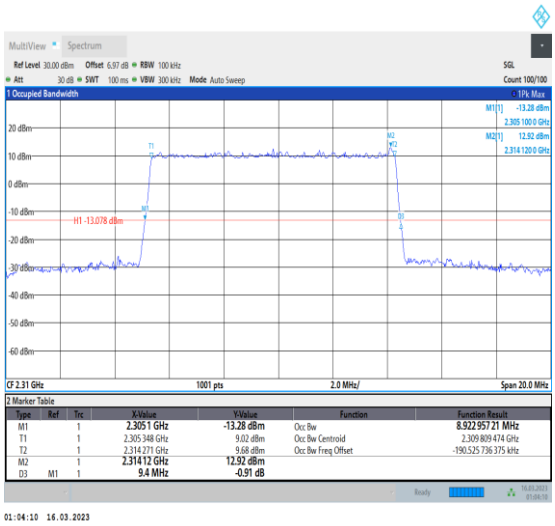

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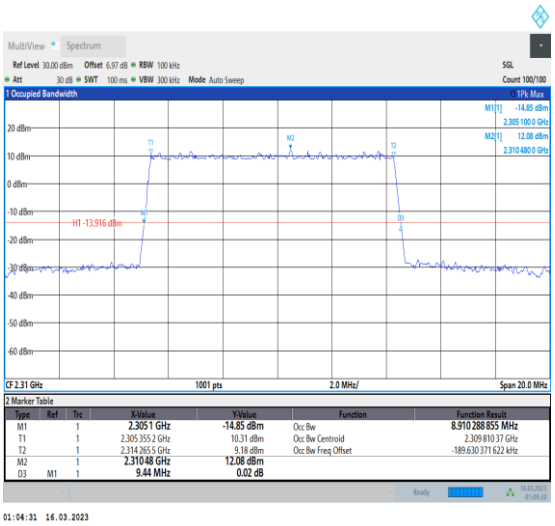

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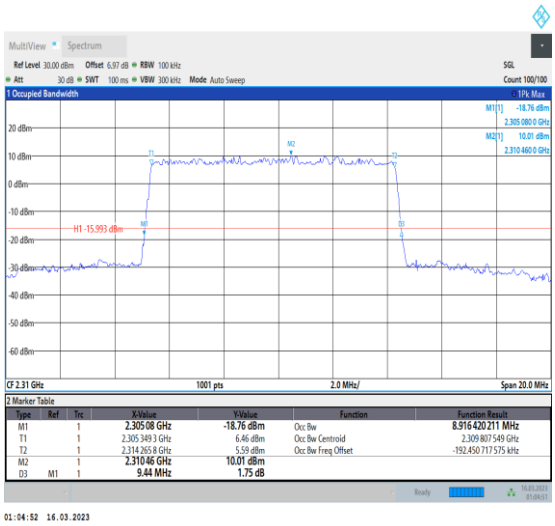

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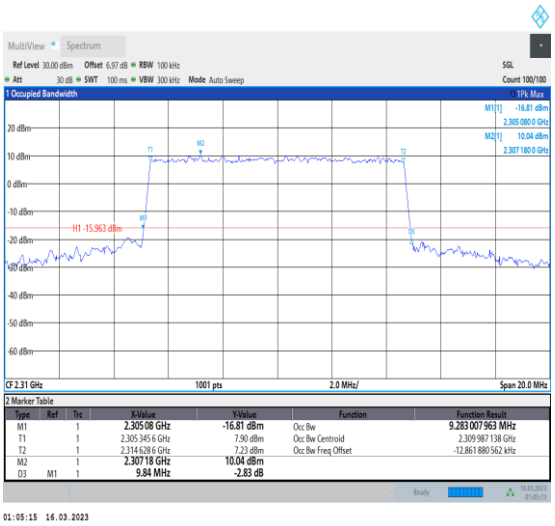

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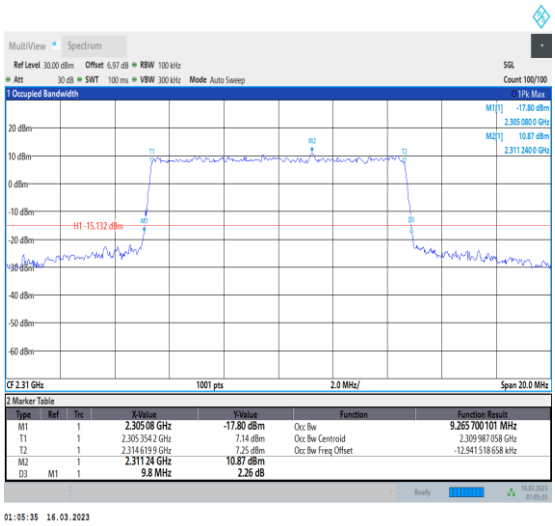

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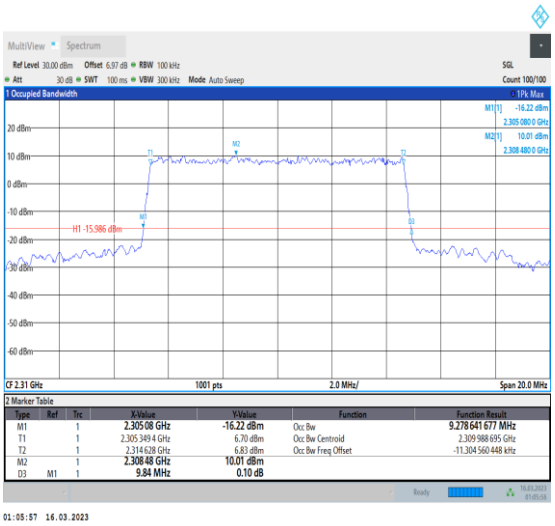

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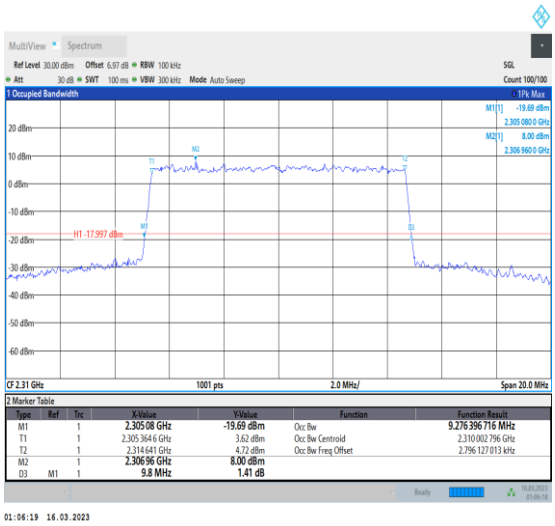

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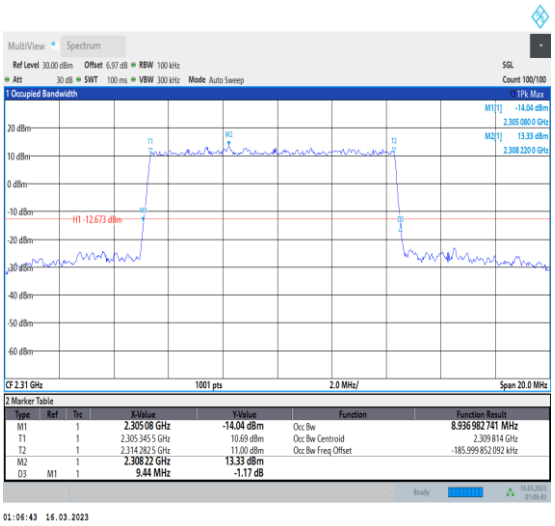

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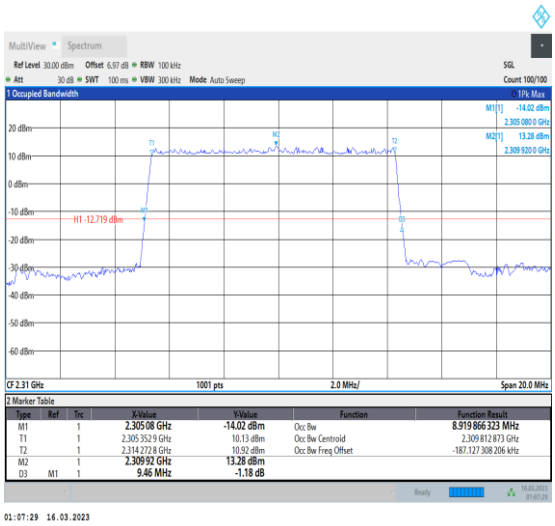

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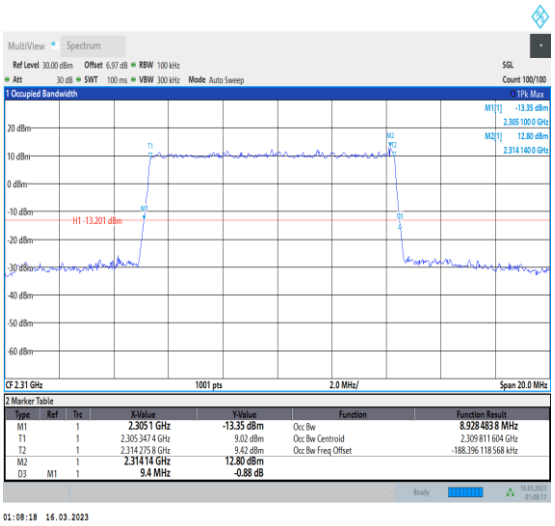

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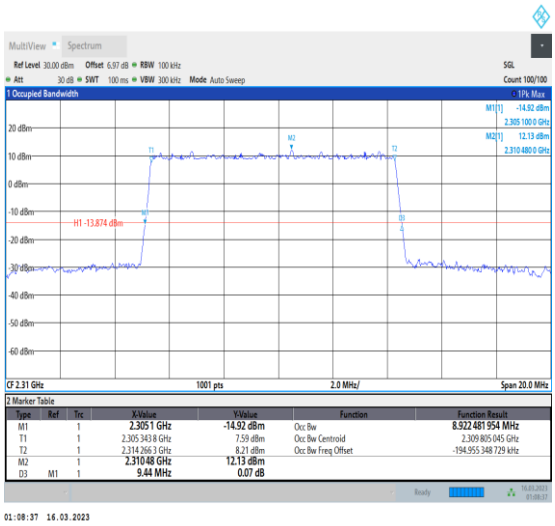

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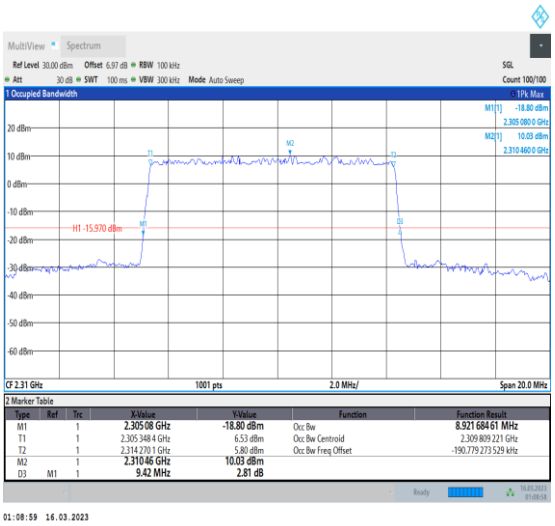

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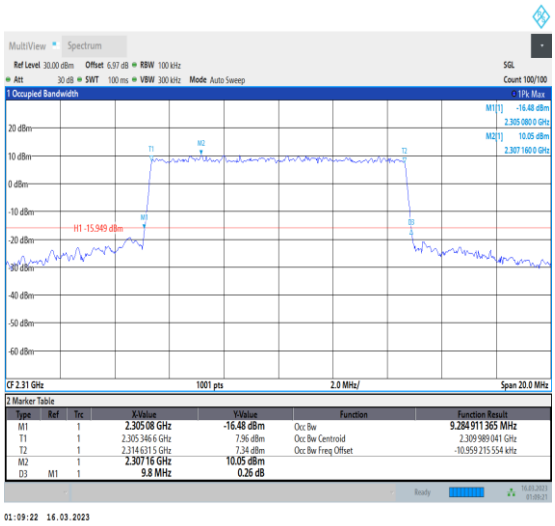
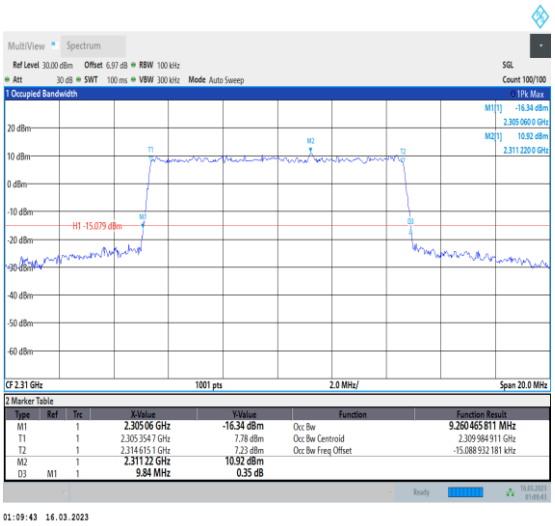


1-N30-PC3-15-10-H-6-CP-QPSK-Outer_Full-52@0-Ant1-9.285-9.800-≤10-PASS



1-N30-PC3-15-10-H-7-CP-16QAM-Outer_Full-52@0-Ant1-9.26-9.840-≤10-PASS

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