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

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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
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

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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
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

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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
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

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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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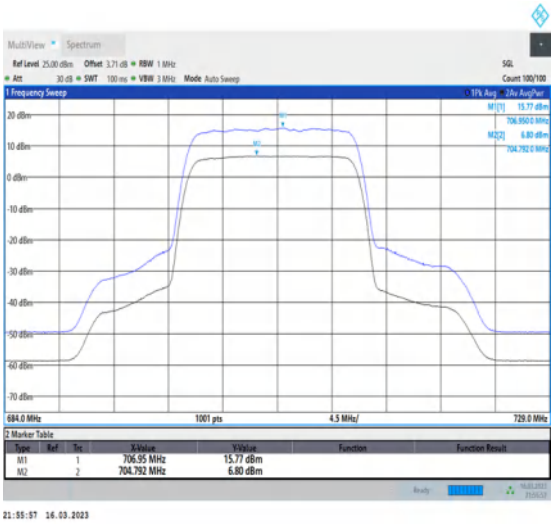
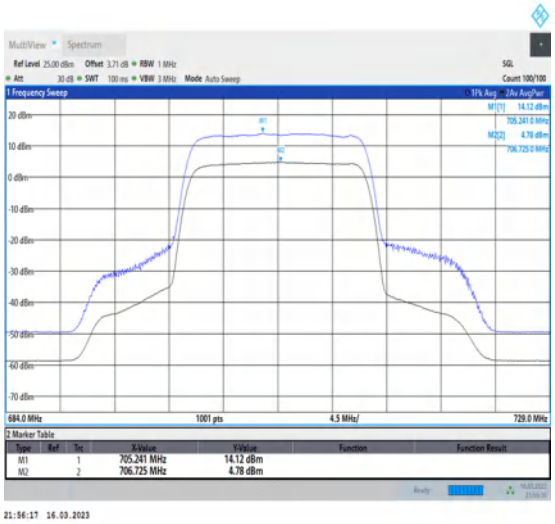
Test Graphs



1-N12-PC3-15-15-L-1-DFT-256QAM-Outer_Full-75@0-Ant7-8.97-100%-0.00-8.97-PASS-≤13



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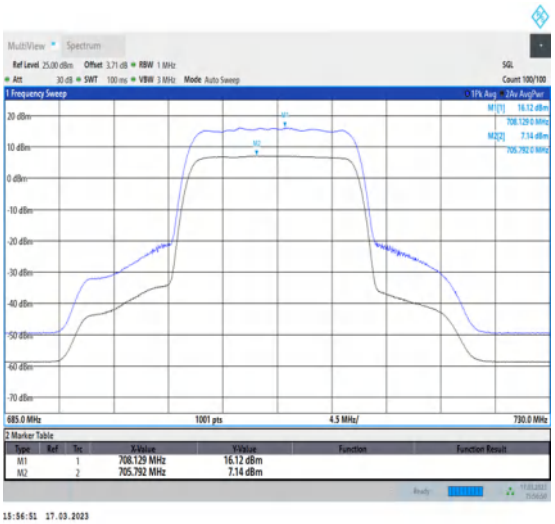

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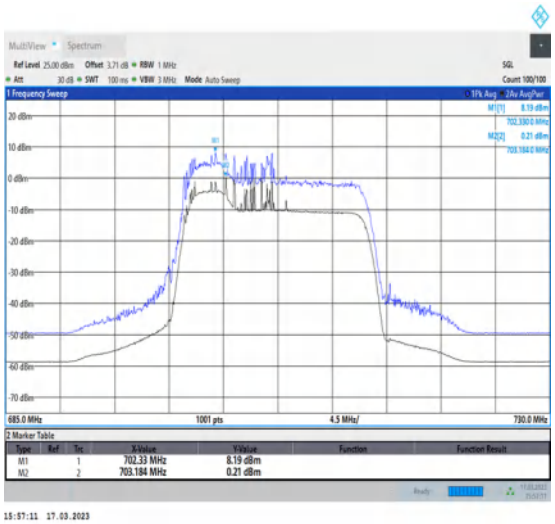

1-N12-PC3-15-15-M-2-CP-256QAM-Outer_Full-79@0-Ant7-7.98-100%-0.00-7.98-PASS-≤13

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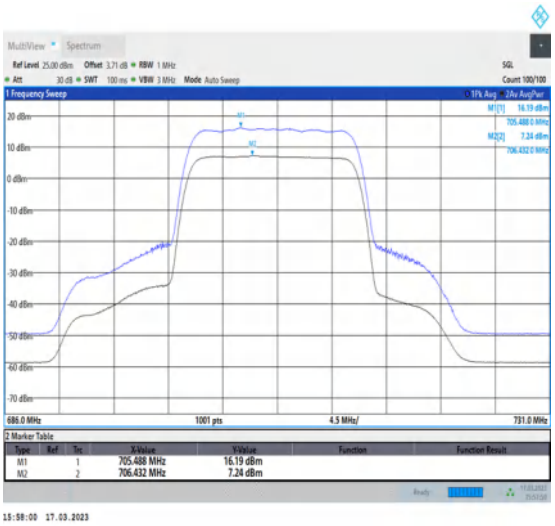	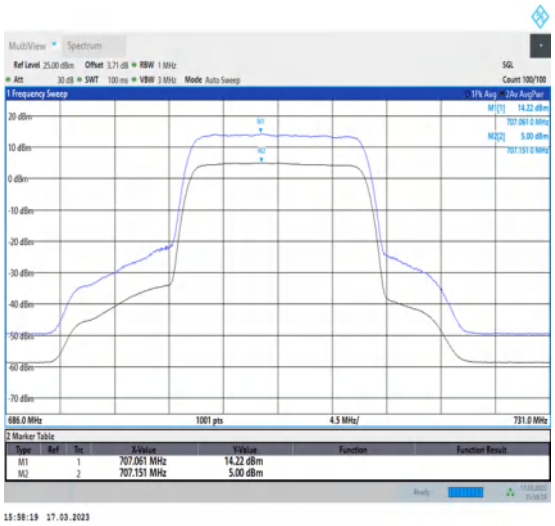
1-N12-PC3-15-15-H-1-DFT-256QAM-Outer_Full-75@0-Ant7-8.95-100%-0.00-8.95-PASS-≤13	1-N12-PC3-15-15-H-2-CP-256QAM-Outer_Full-79@0-Ant7-9.22-100%-0.00-9.22-PASS-≤13

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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
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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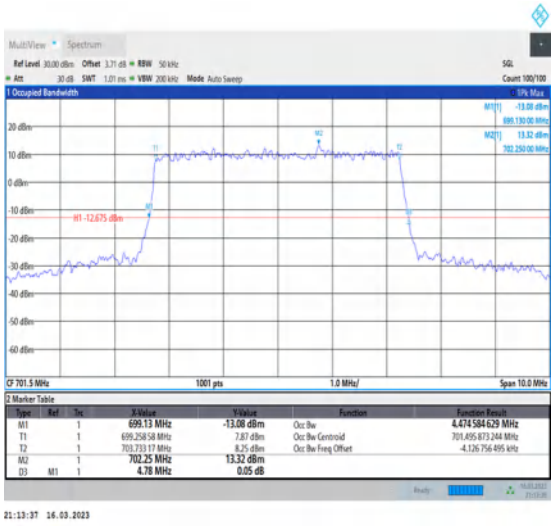

1-N12-PC3-15-5-L-1-DFT-QPSK-Outer_Full-25@0-Ant7-4.475-4.780-≤5-PASS

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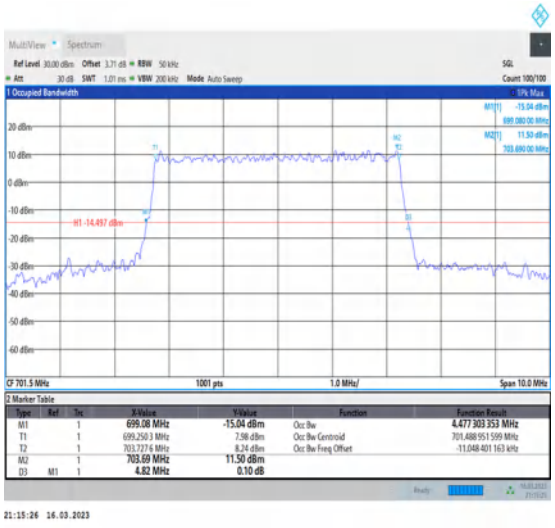

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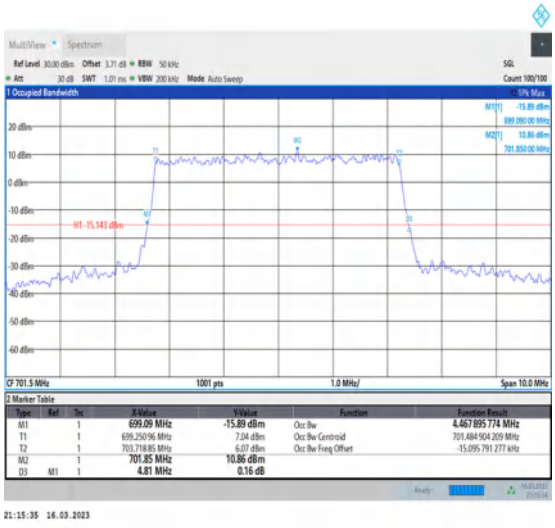

1-N12-PC3-15-5-L-4-DFT-64QAM-Outer_Full-25@0-Ant7-4.468-4.810-≤5-PASS

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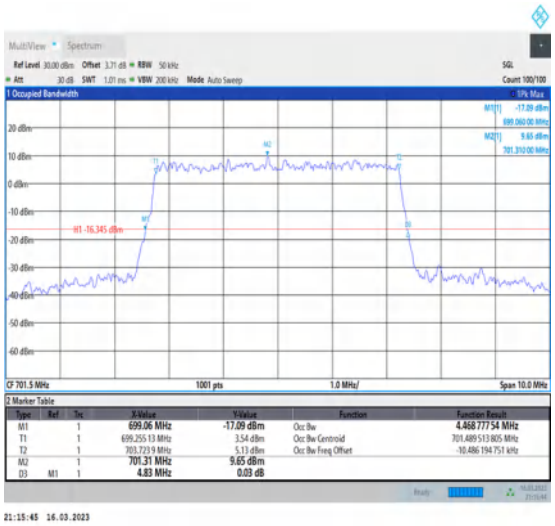
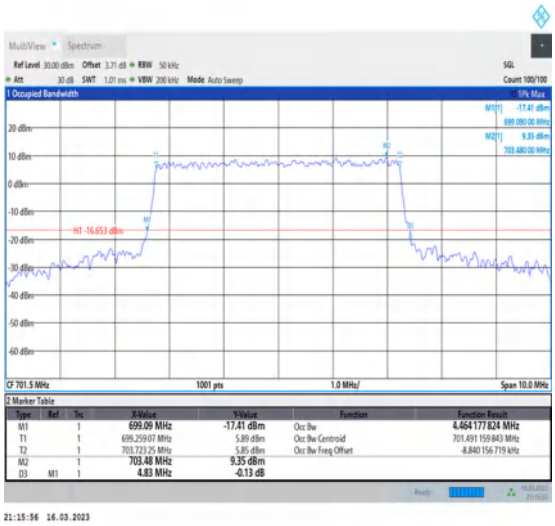


1-N12-PC3-15-5-L-5-DFT-256QAM-Outer_Full-25@0-Ant7-4.469-4.830-≤5-PASS



1-N12-PC3-15-5-L-6-CP-QPSK-Outer_Full-25@0-Ant7-4.464-4.830-≤5-PASS

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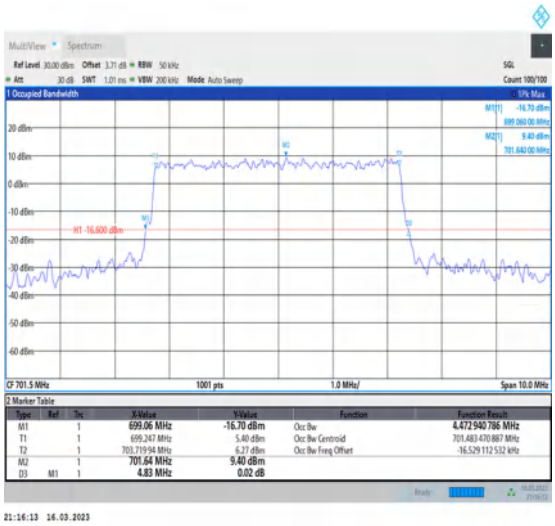

1-N12-PC3-15-5-L-8-CP-64QAM-Outer_Full-25@0-Ant7-4.473-4.830-≤5-PASS

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1-N12-PC3-15-5-L-9-CP-256QAM-Outer_Full-25@0-Ant7-4.478-4.770-≤5-PASS

1-N12-PC3-15-5-M-1-DFT-QPSK-Outer_Full-25@0-Ant7-4.478-4.780-≤5-PASS

1-N12-PC3-15-5-M-2-DFT-PI2BPSK-Outer_Full-25@0-Ant7-4.48-4.800-≤5-PASS

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

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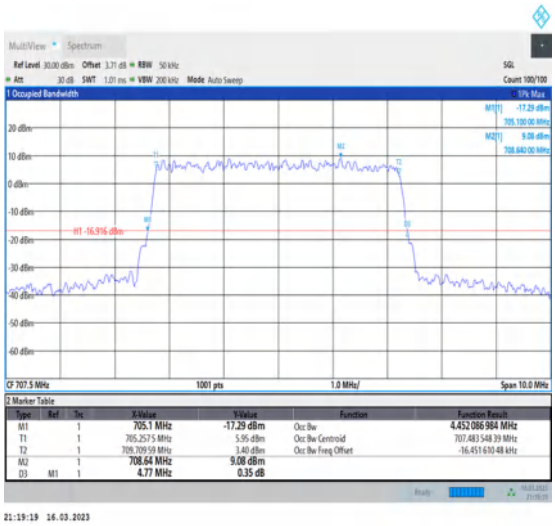
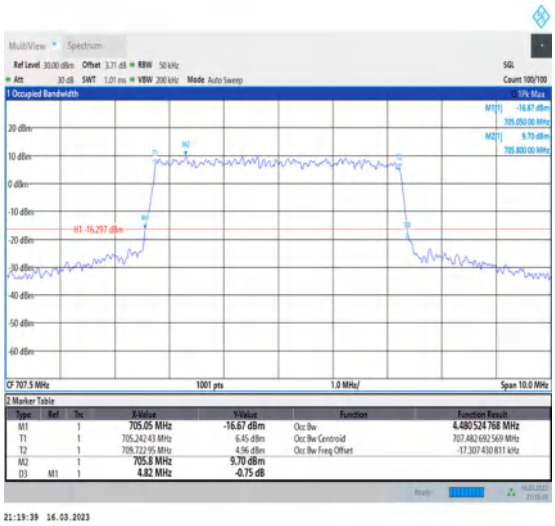
1-N12-PC3-15-5-M-4-DFT-64QAM-Outer_Full-25@0-Ant7-4.461-4.800-≤5-PASS



1-N12-PC3-15-5-M-5-DFT-256QAM-Outer_Full-25@0-Ant7-4.452-4.770-≤5-PASS

1-N12-PC3-15-5-M-6-CP-QPSK-Outer_Full-25@0-Ant7-4.473-4.830-≤5-PASS



1-N12-PC3-15-5-M-7-CP-16QAM-Outer_Full-25@0-Ant7-4.481-4.820-≤5-PASS

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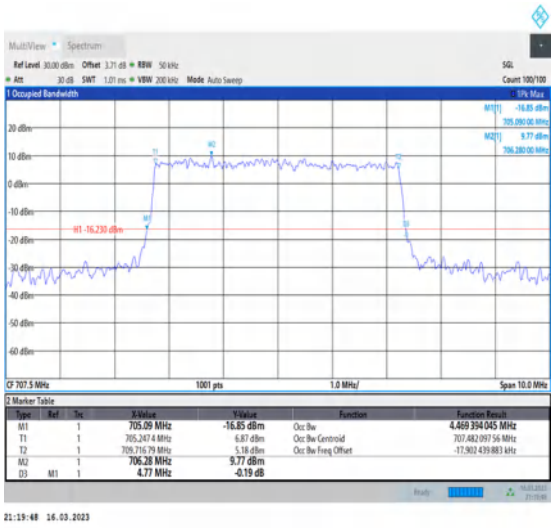
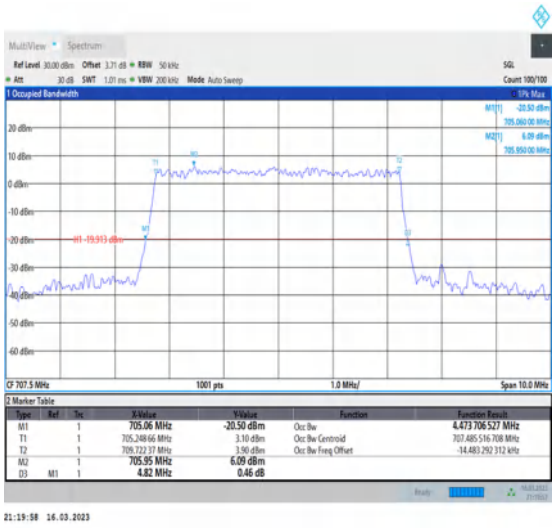


1-N12-PC3-15-5-M-8-CP-64QAM-Outer_Full-25@0-Ant7-4.469-4.770-≤5-PASS



1-N12-PC3-15-5-M-9-CP-256QAM-Outer_Full-25@0-Ant7-4.474-4.820-≤5-PASS

1-N12-PC3-15-5-H-1-DFT-QPSK-Outer_Full-25@0-Ant7-4.48-4.810-≤5-PASS

1-N12-PC3-15-5-H-2-DFT-PI2BPSK-Outer_Full-25@0-Ant7-4.472-4.780-≤5-PASS

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1-N12-PC3-15-5-H-3-DFT-16QAM-Outer_Full-25@0-Ant7-4.476-4.820-≤5-PASS

1-N12-PC3-15-5-H-4-DFT-64QAM-Outer_Full-25@0-Ant7-4.459-4.840-≤5-PASS

1-N12-PC3-15-5-H-5-DFT-256QAM-Outer_Full-25@0-Ant7-4.464-4.800-≤5-PASS

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

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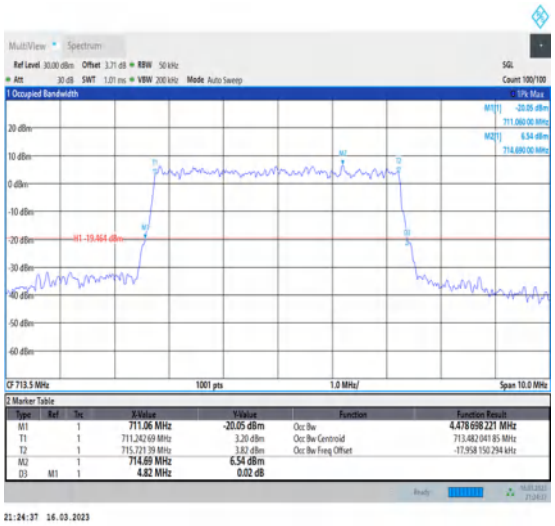
1-N12-PC3-15-5-H-7-CP-16QAM-Outer_Full-25@0-Ant7-4.461-4.790-≤5-PASS

1-N12-PC3-15-5-H-8-CP-64QAM-Outer_Full-25@0-Ant7-4.472-4.790-≤5-PASS



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1-N12-PC3-15-10-L-1-DFT-QPSK-Outer_Full-50@0-Ant7-8.893-9.400-≤10-PASS

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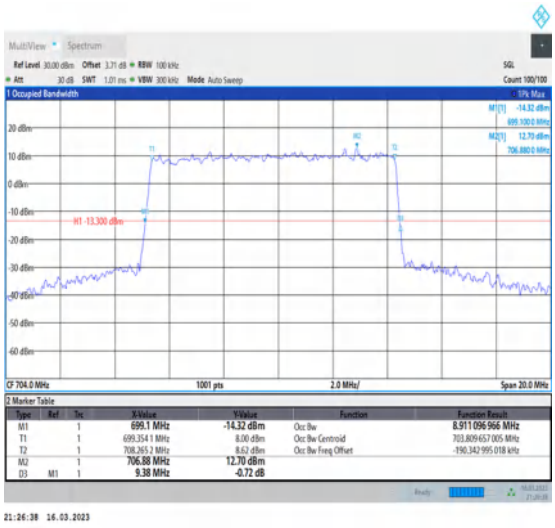

1-N12-PC3-15-10-L-3-DFT-16QAM-Outer_Full-50@0-Ant7-8.911-9.380-≤10-PASS

1-N12-PC3-15-10-L-4-DFT-64QAM-Outer_Full-50@0-Ant7-8.898-9.320-≤10-PASS

1-N12-PC3-15-10-L-5-DFT-256QAM-Outer_Full-50@0-Ant7-8.908-9.340-≤10-PASS

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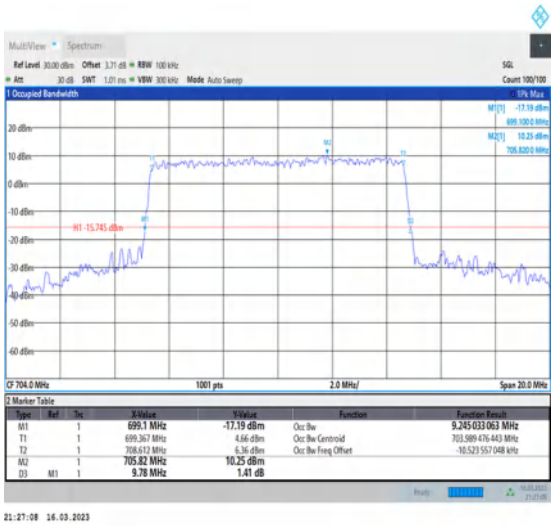

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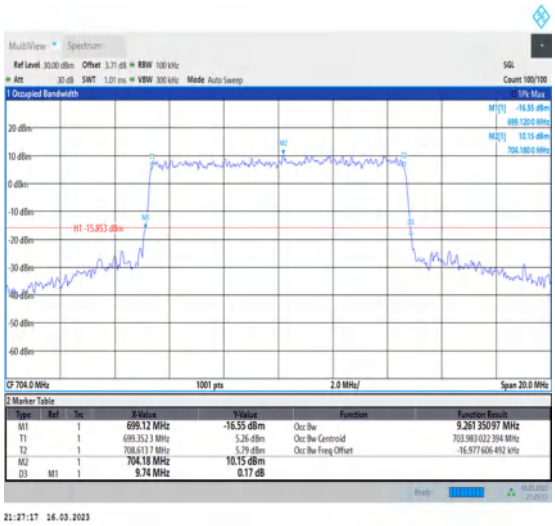

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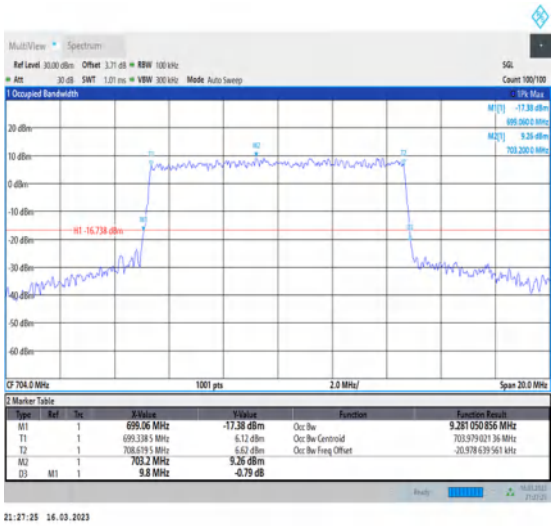

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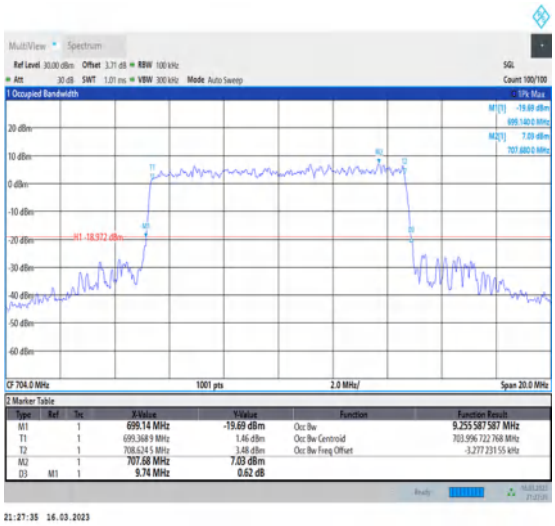

1-N12-PC3-15-10-L-9-CP-256QAM-Outer_Full-52@0-Ant7-9.256-9.740-≤10-PASS

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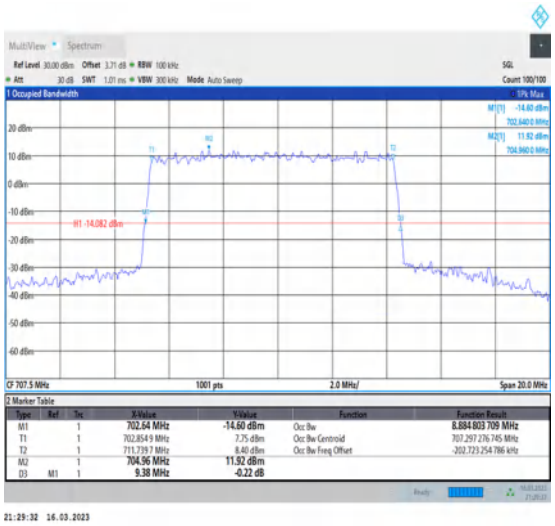

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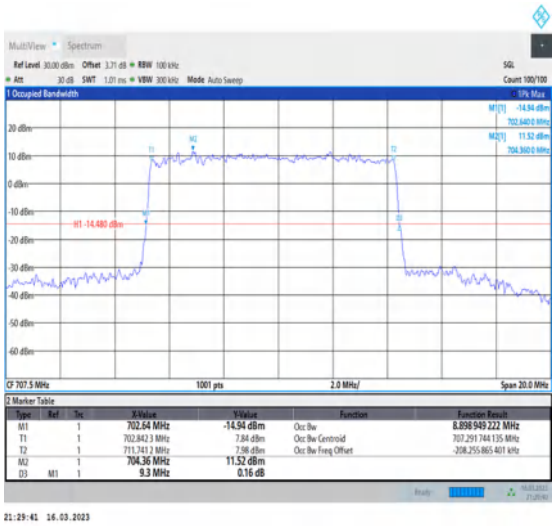

1-N12-PC3-15-10-M-4-DFT-64QAM-Outer_Full-50@0-Ant7-8.899-9.300-≤10-PASS

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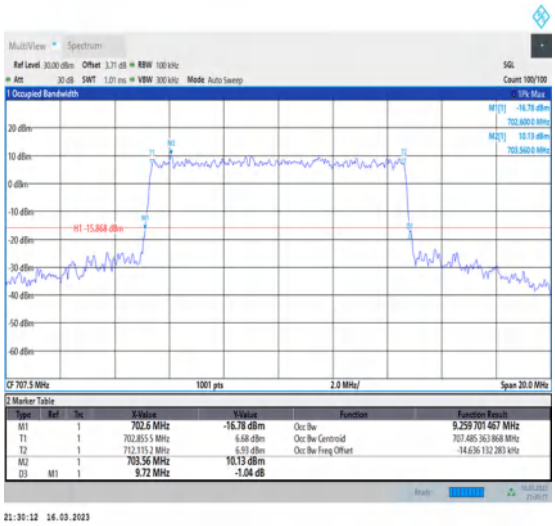
1-N12-PC3-15-10-M-5-DFT-256QAM-Outer_Full-50@0-Ant7-8.919-9.340-≤10-PASS



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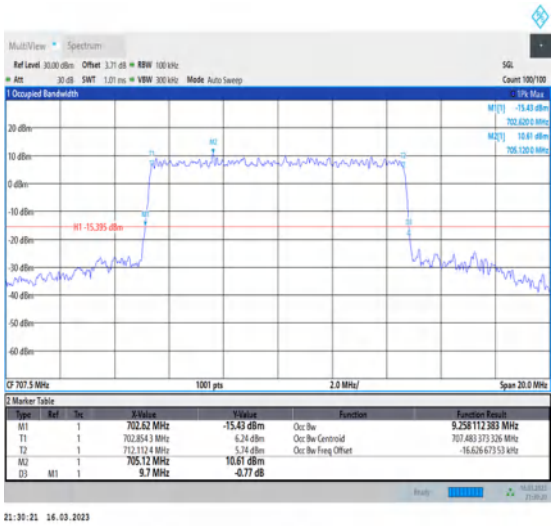

1-N12-PC3-15-10-M-7-CP-16QAM-Outer_Full-52@0-Ant7-9.258-9.700-≤10-PASS

1-N12-PC3-15-10-M-8-CP-64QAM-Outer_Full-52@0-Ant7-9.285-9.780-≤10-PASS

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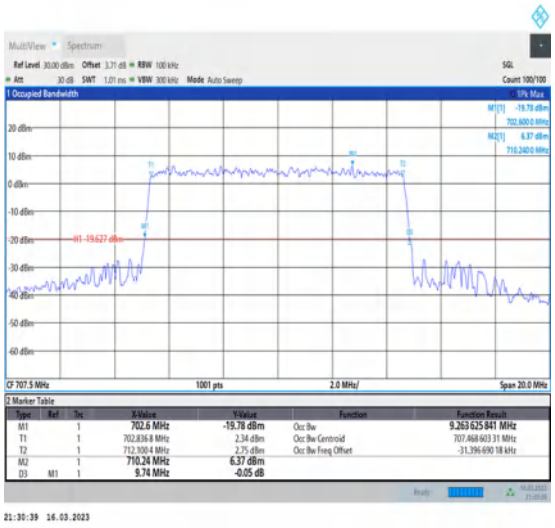

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1-N12-PC3-15-10-H-1-DFT-QPSK-Outer_Full-50@0-Ant7-8.924-9.420-≤10-PASS

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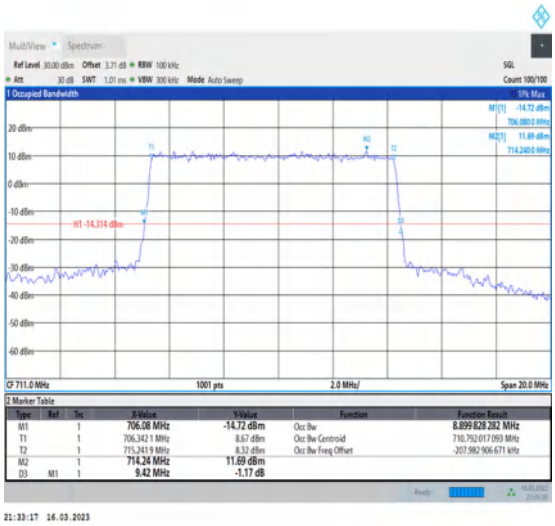

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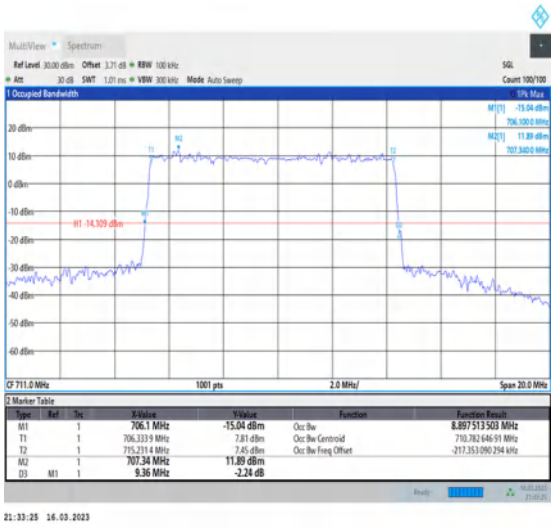

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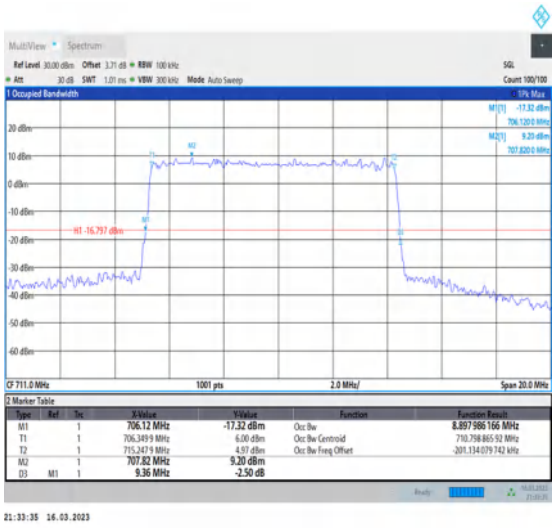

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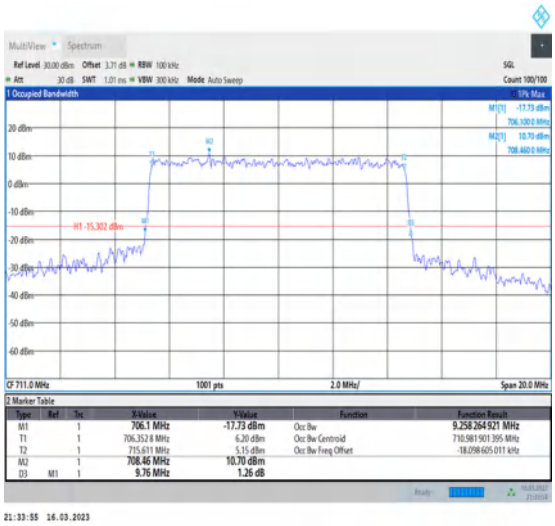

1-N12-PC3-15-10-H-7-CP-16QAM-Outer_Full-52@0-Ant7-9.258-9.760-≤10-PASS

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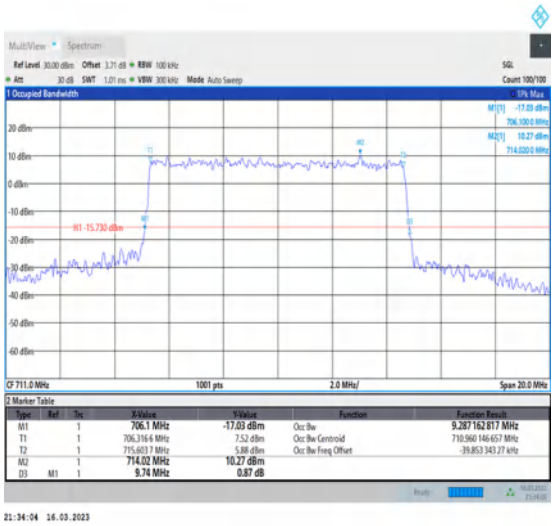

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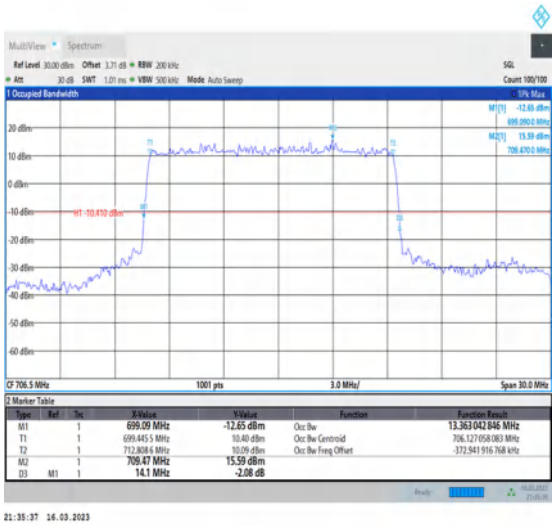
1-N12-PC3-15-10-H-9-CP-256QAM-Outer_Full-52@0-Ant7-9.264-9.760-≤10-PASS

1-N12-PC3-15-15-L-1-DFT-QPSK-Outer_Full-75@0-Ant7-13.377-13.980-≤15-PASS



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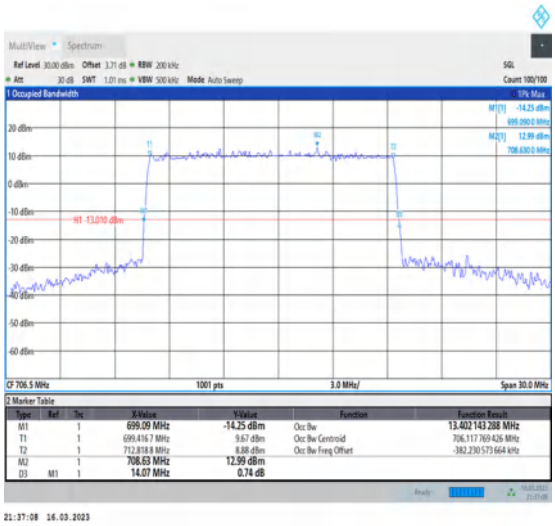
1-N12-PC3-15-15-L-3-DFT-16QAM-Outer_Full-75@0-Ant7-13.406-14.100-≤15-PASS



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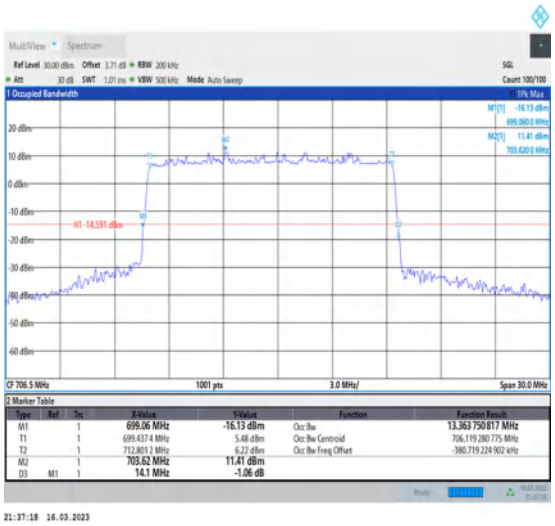

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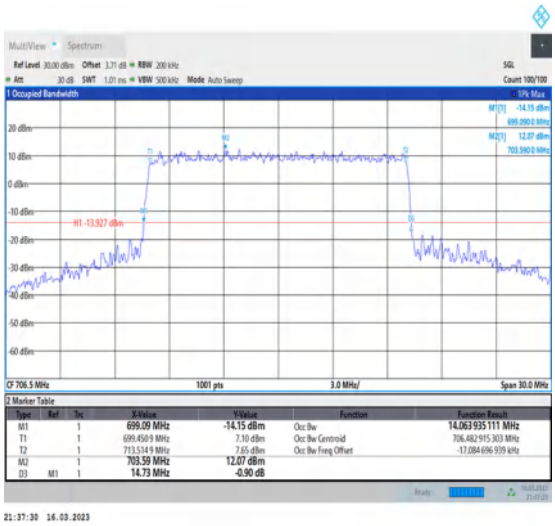

1-N12-PC3-15-15-L-6-CP-QPSK-Outer_Full-79@0-Ant7-14.064-14.730-≤15-PASS

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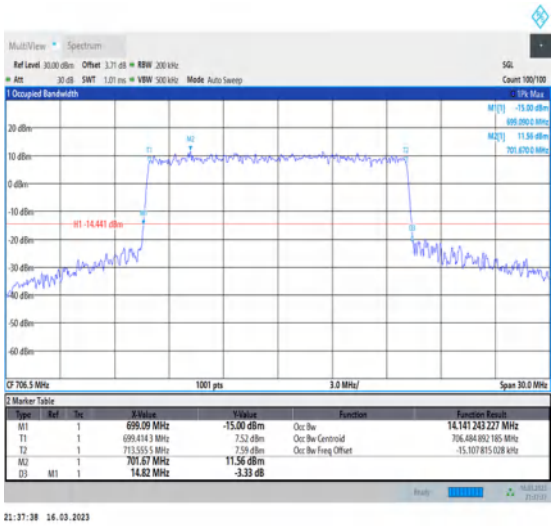

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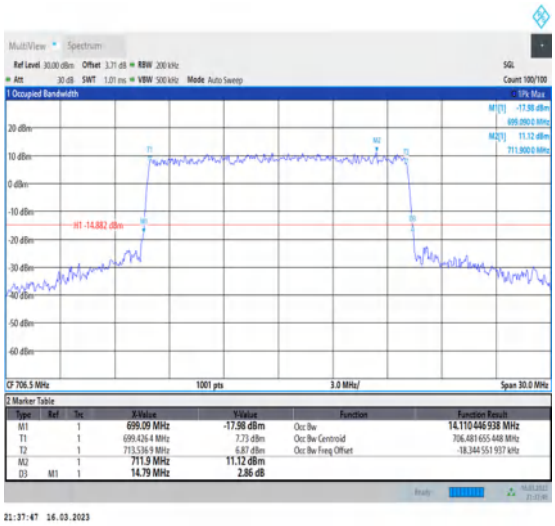

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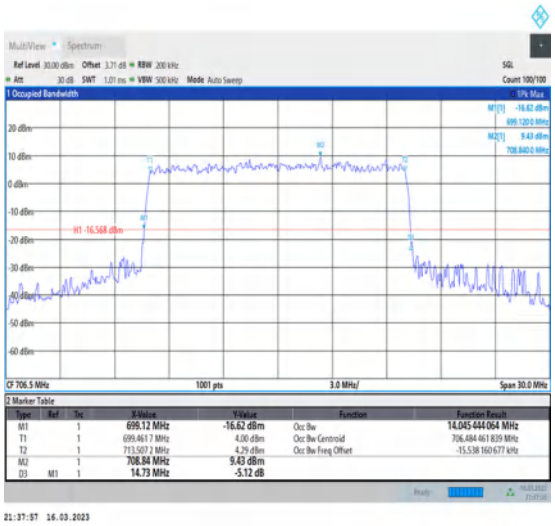

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1-N12-PC3-15-15-M-1-DFT-QPSK-Outer_Full-75@0-Ant7-13.403-14.100-≤15-PASS

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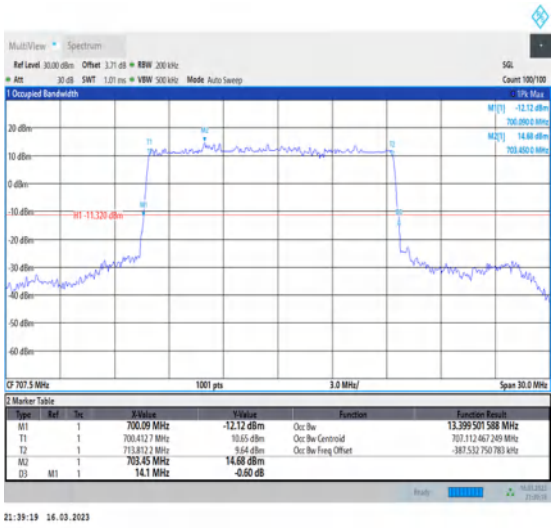

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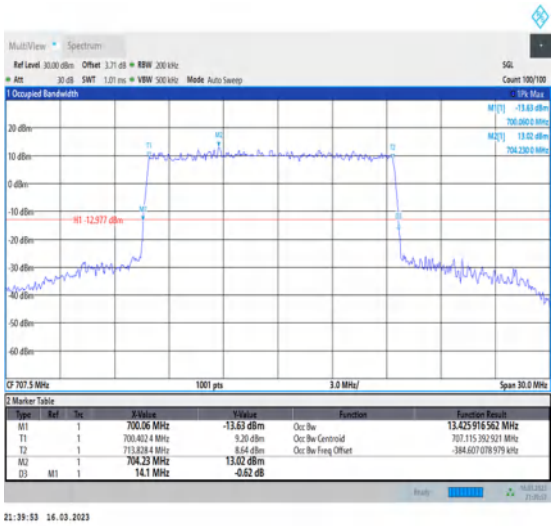

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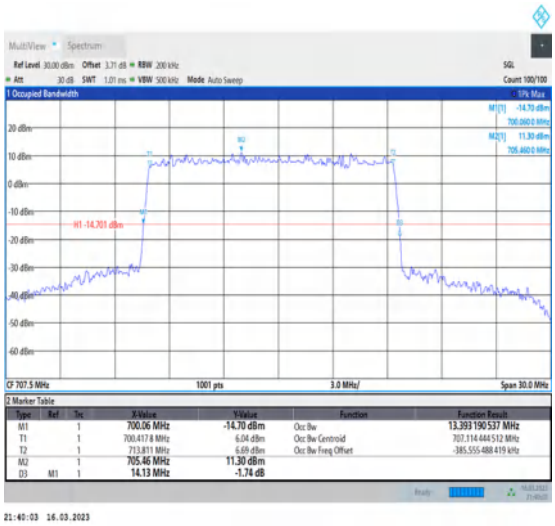

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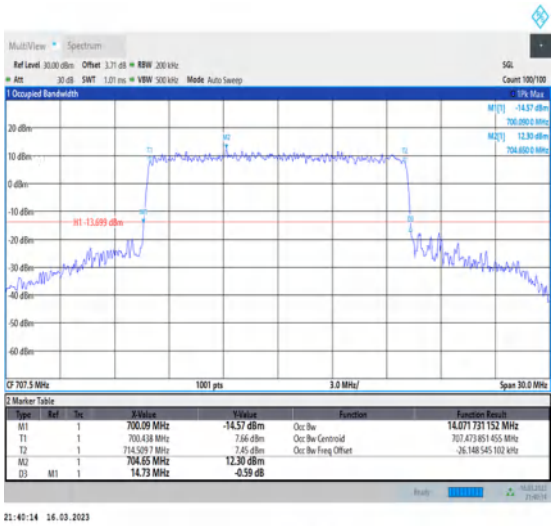

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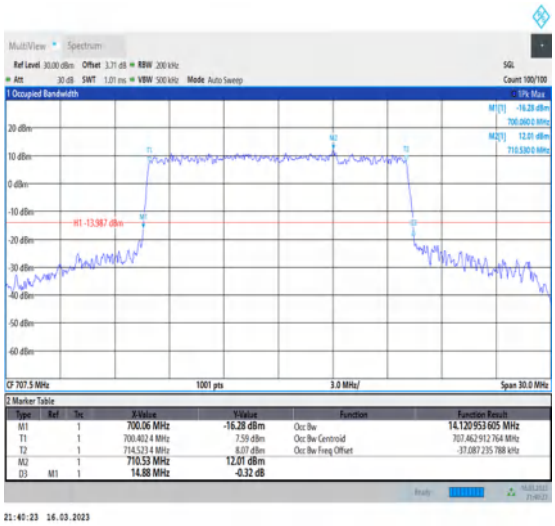

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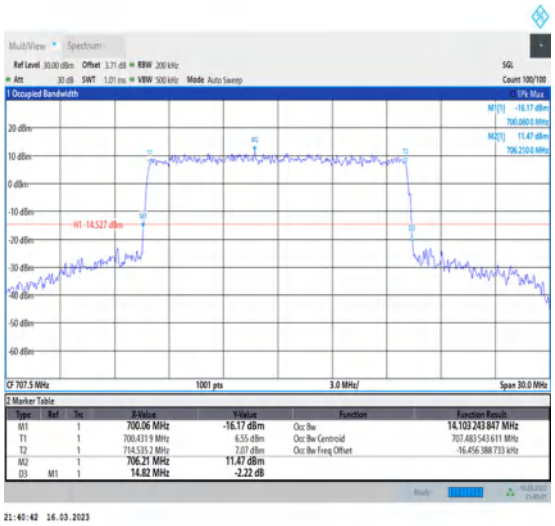

1-N12-PC3-15-15-M-8-CP-64QAM-Outer_Full-79@0-Ant7-14.103-14.820-≤15-PASS

1-N12-PC3-15-15-M-9-CP-256QAM-Outer_Full-79@0-Ant7-14.125-14.730-≤15-PASS

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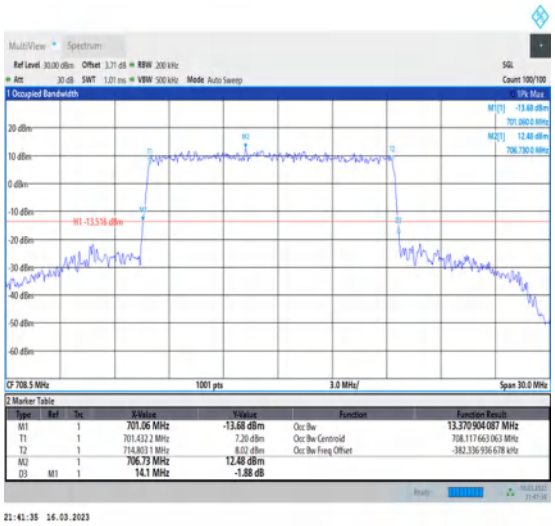

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1-N12-PC3-15-15-H-3-DFT-16QAM-Outer_Full-75@0-Ant7-13.407-14.070-≤15-PASS

1-N12-PC3-15-15-H-4-DFT-64QAM-Outer_Full-75@0-Ant7-13.406-14.070-≤15-PASS

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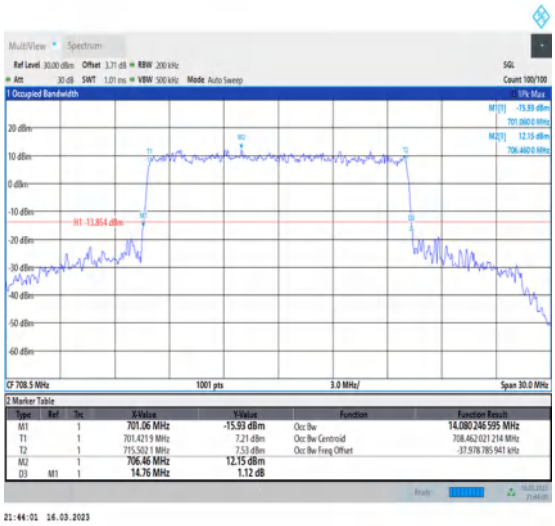

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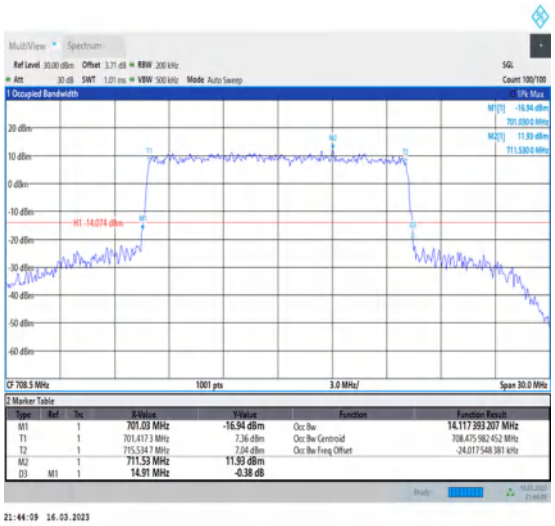

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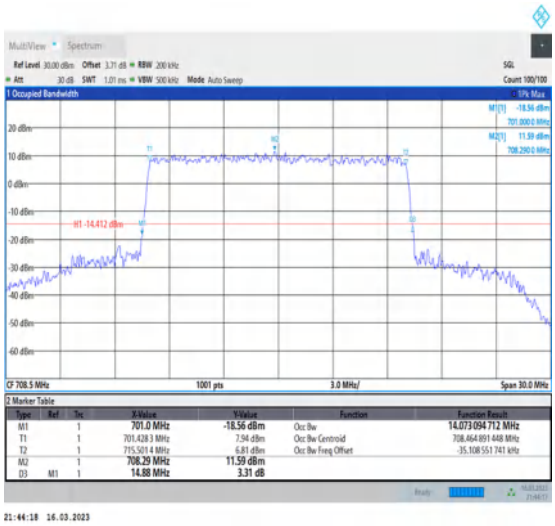

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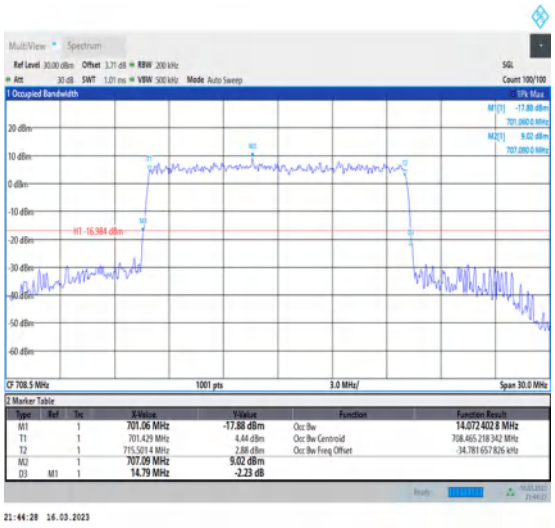

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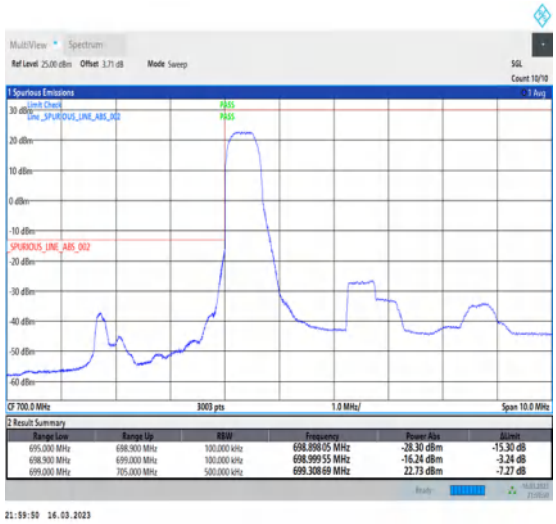
Band Edge for SA

Test Graphs



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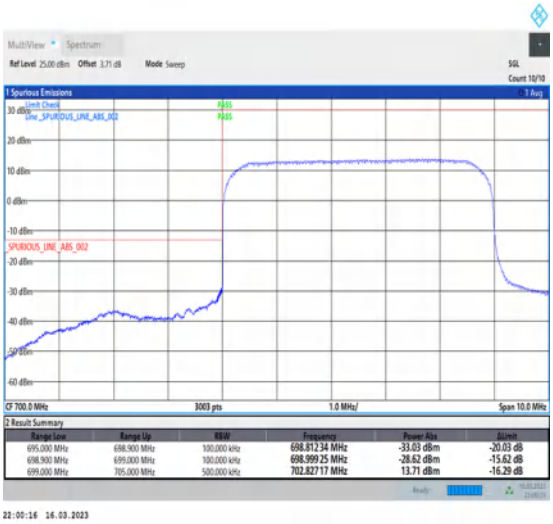

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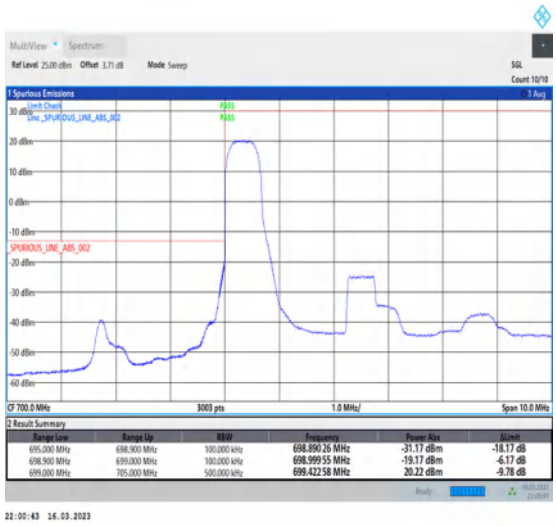

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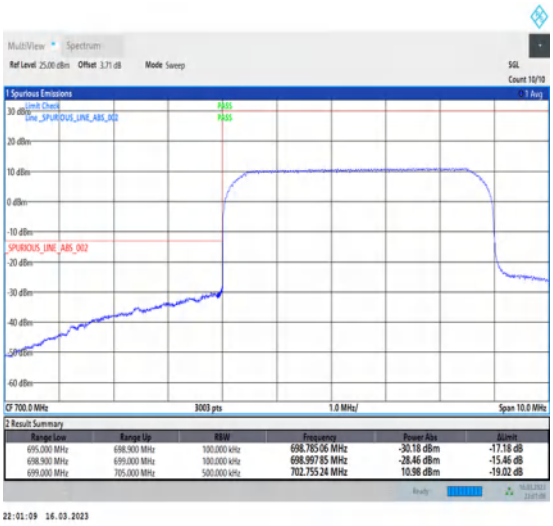

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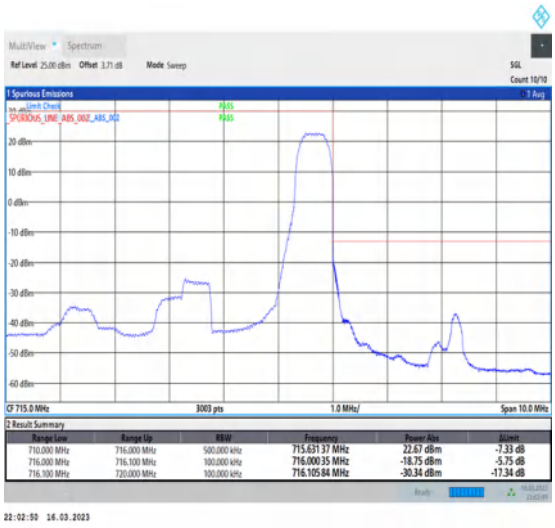

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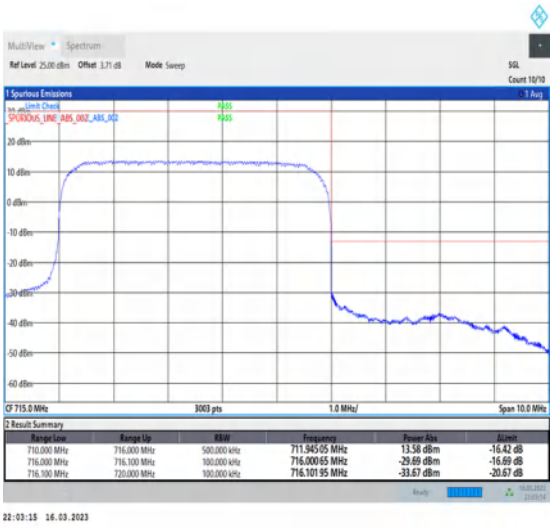

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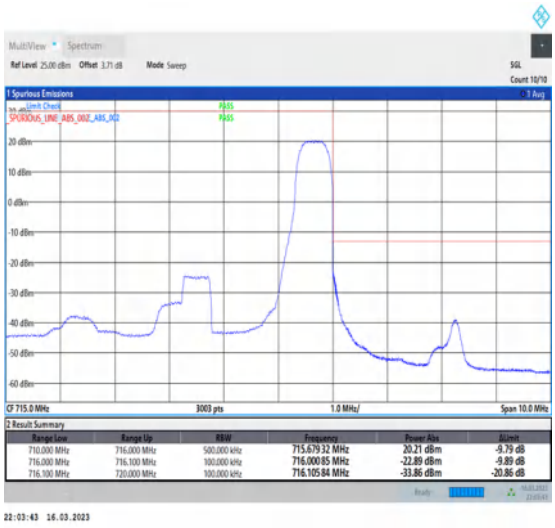

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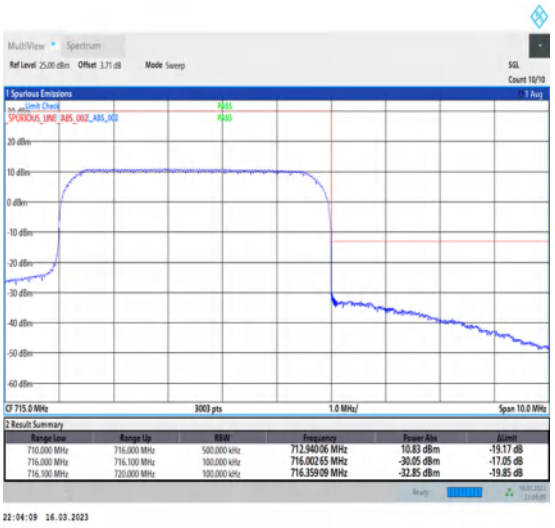

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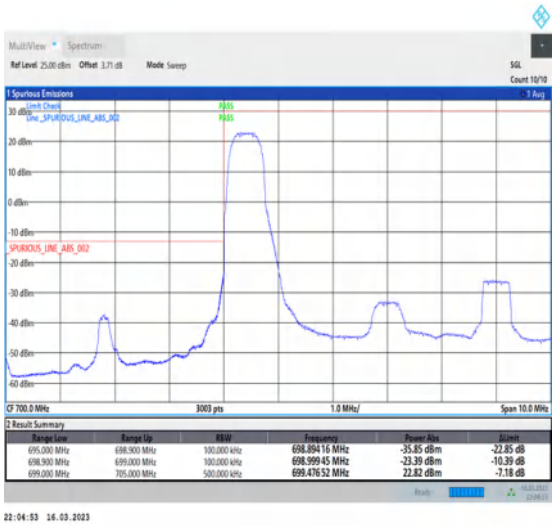

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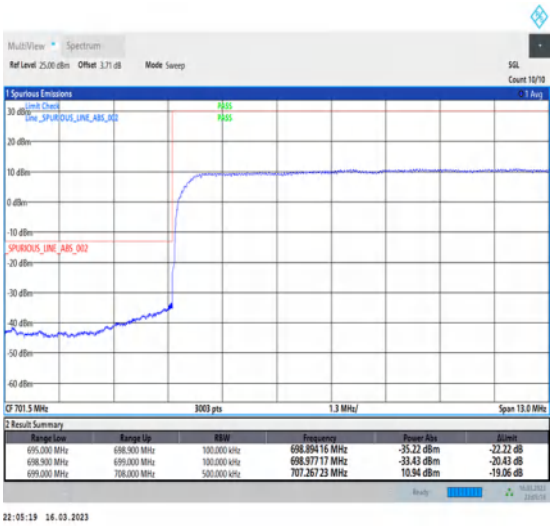

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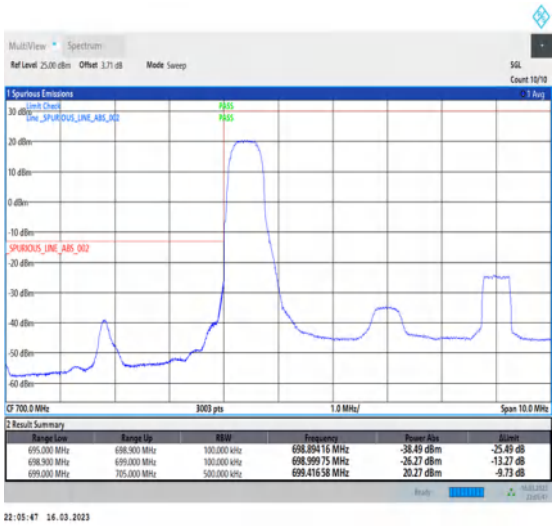

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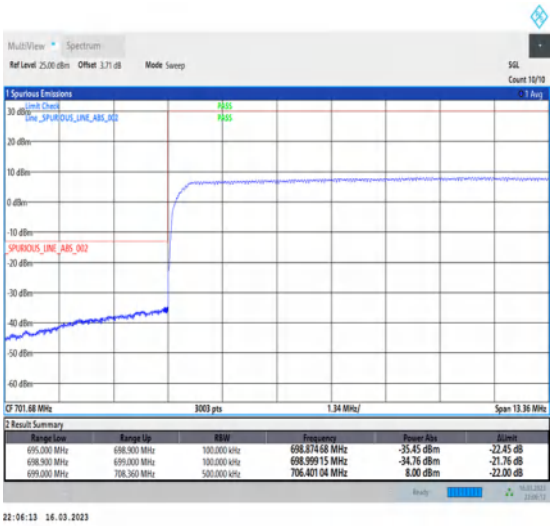

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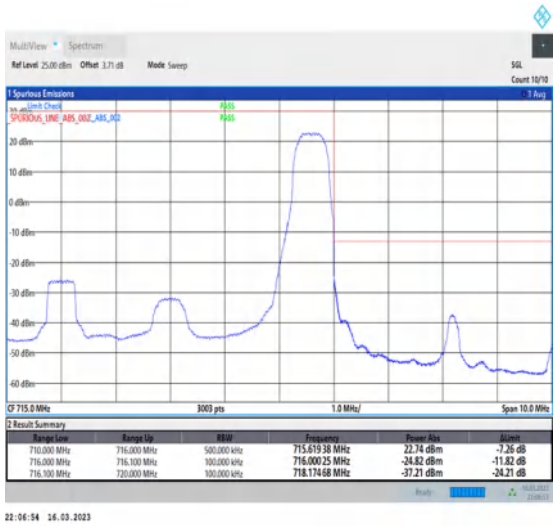

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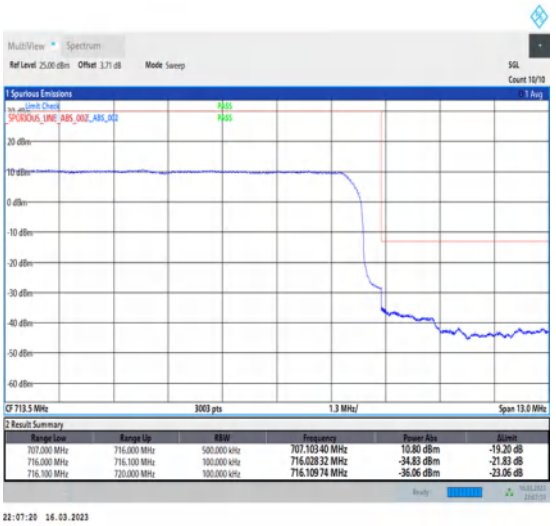

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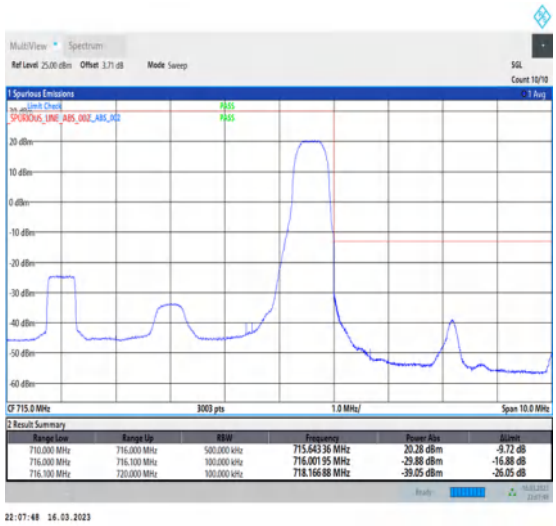

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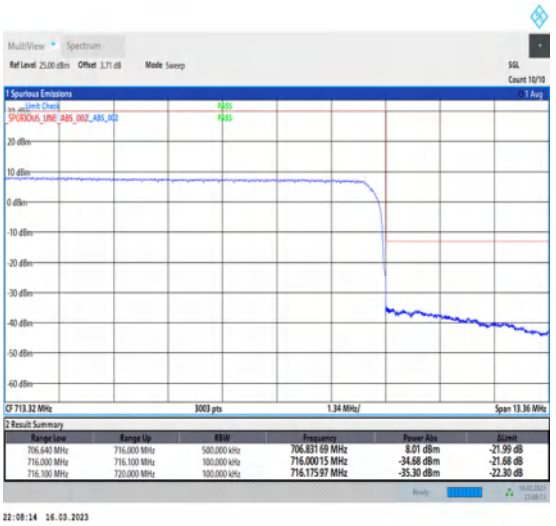

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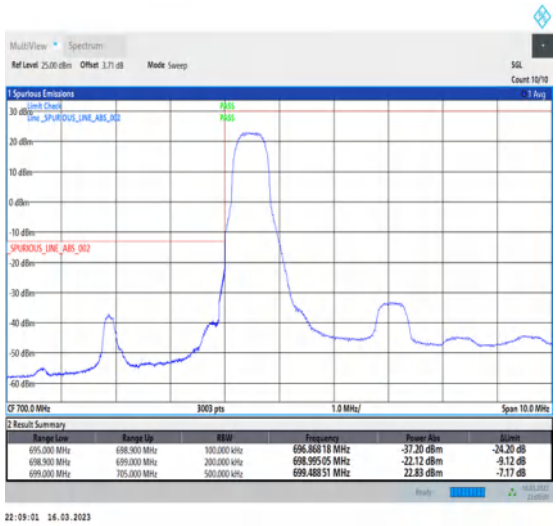

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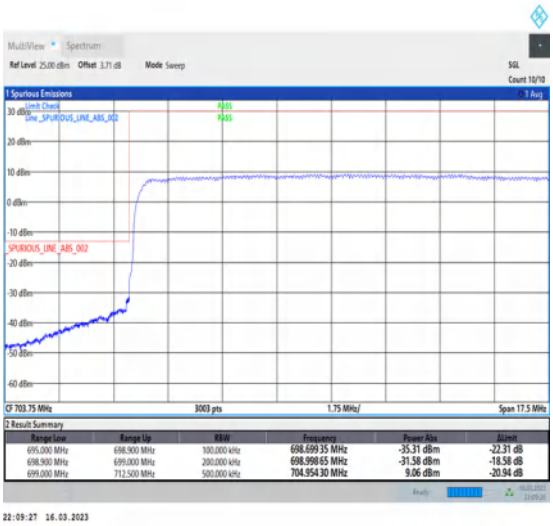

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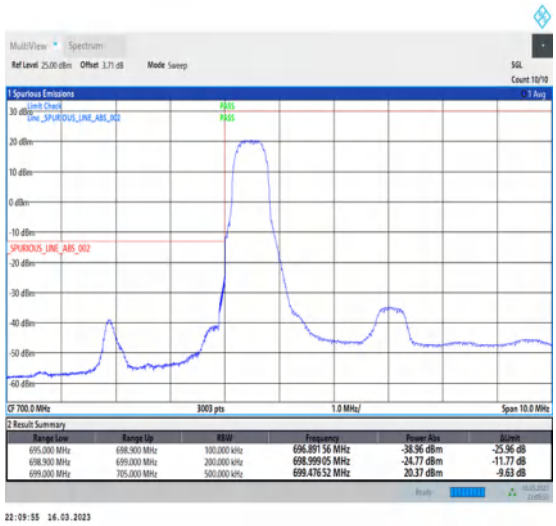

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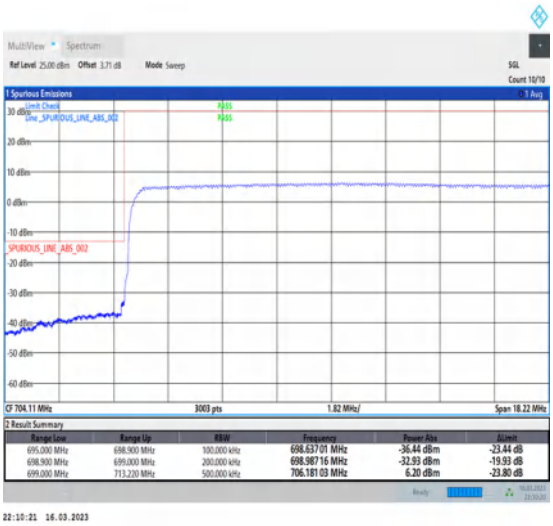

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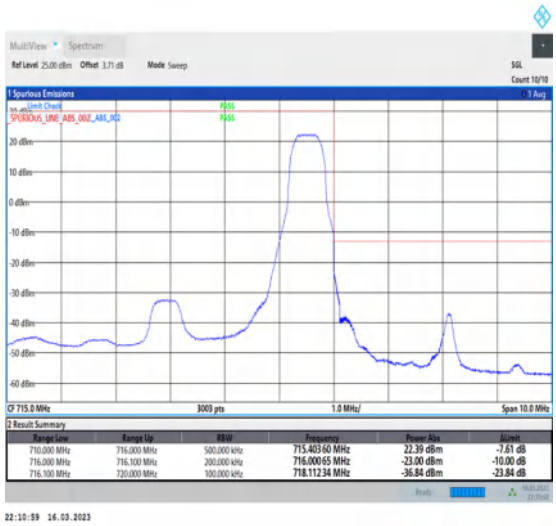

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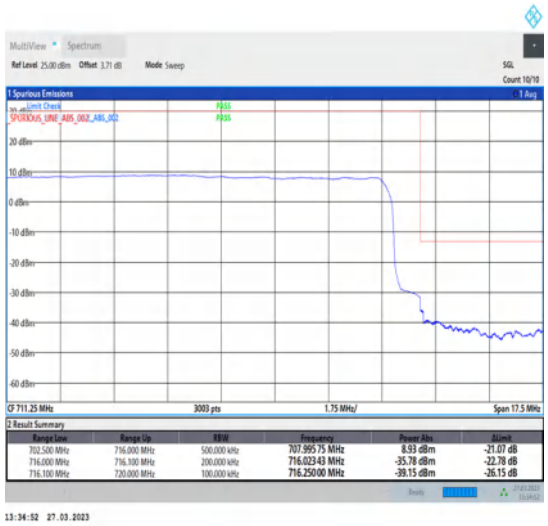

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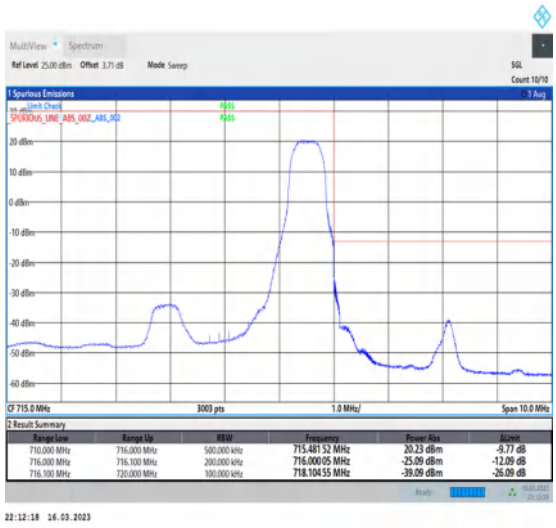

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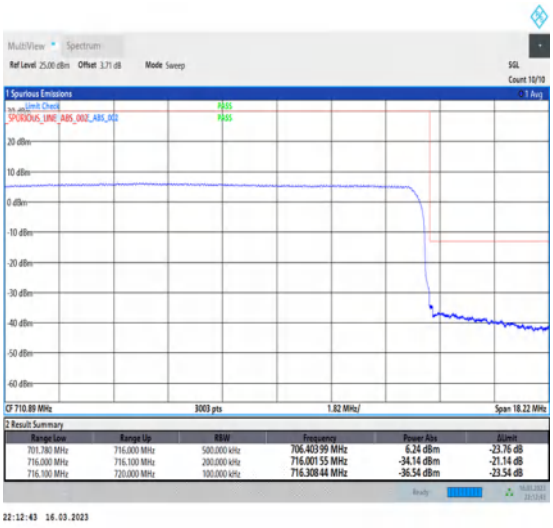

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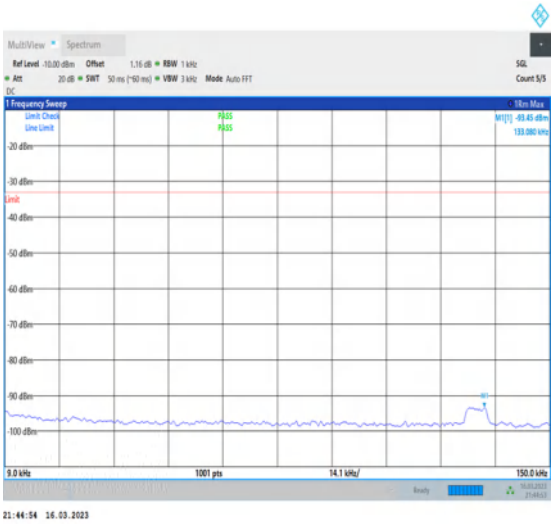
Test Graphs



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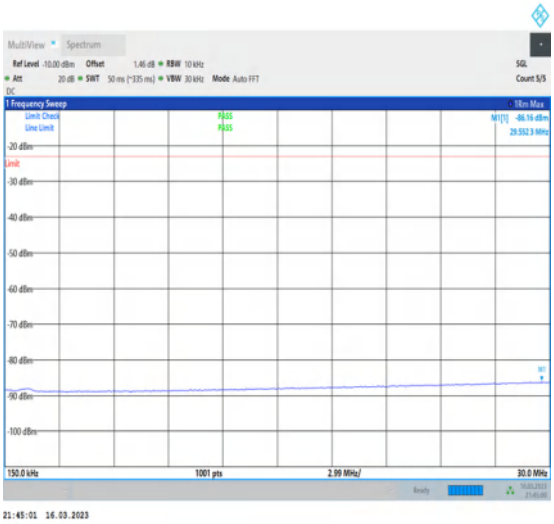

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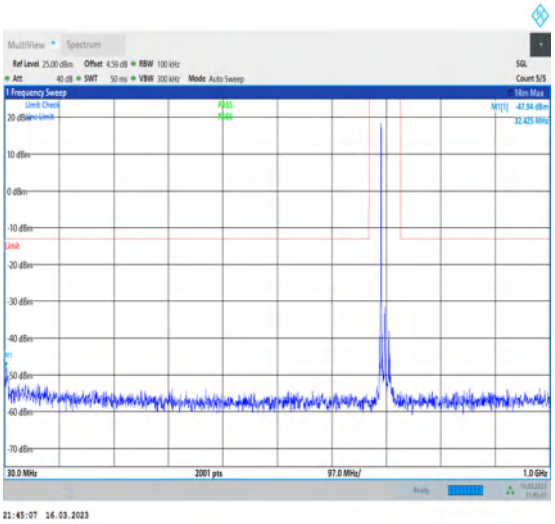

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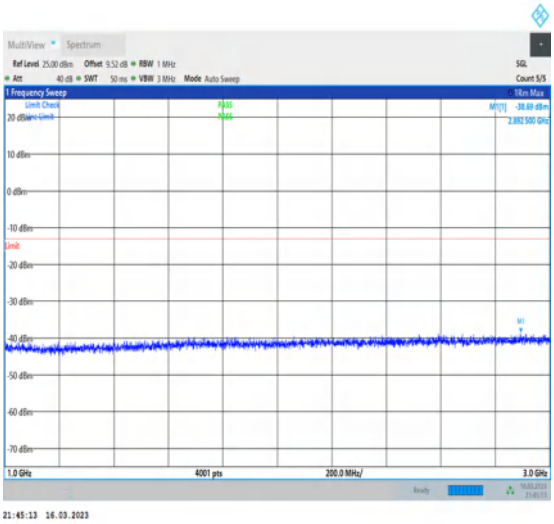

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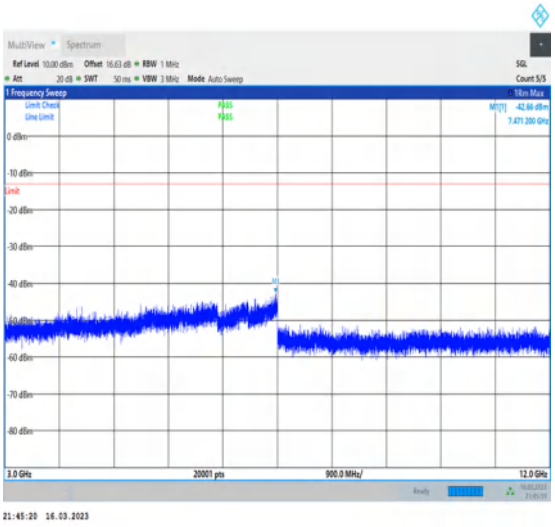

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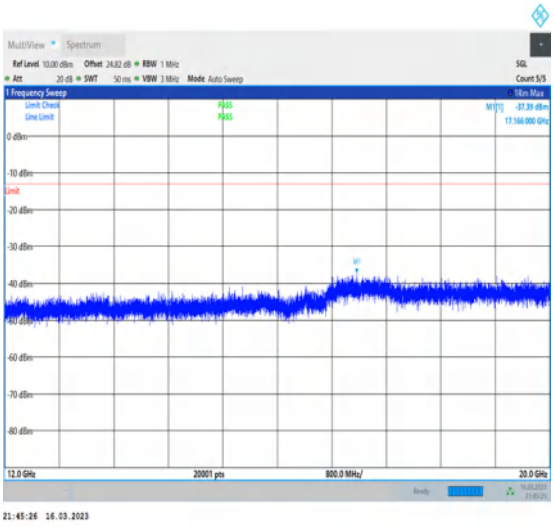

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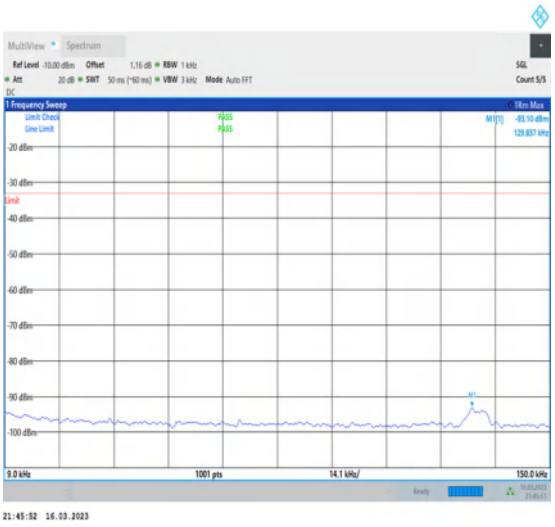

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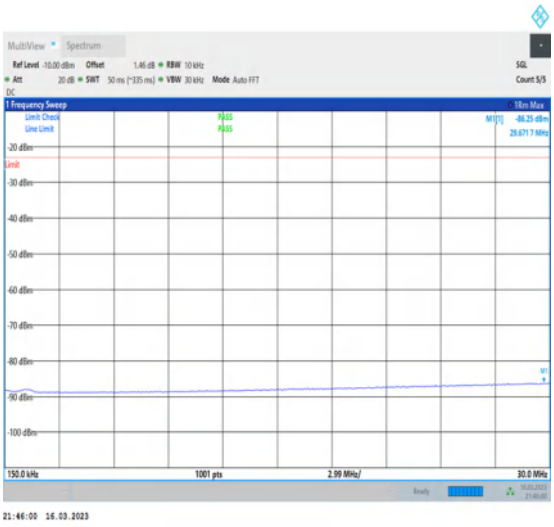

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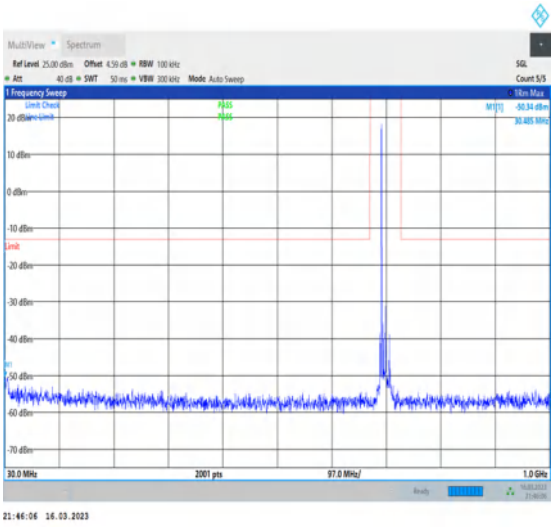

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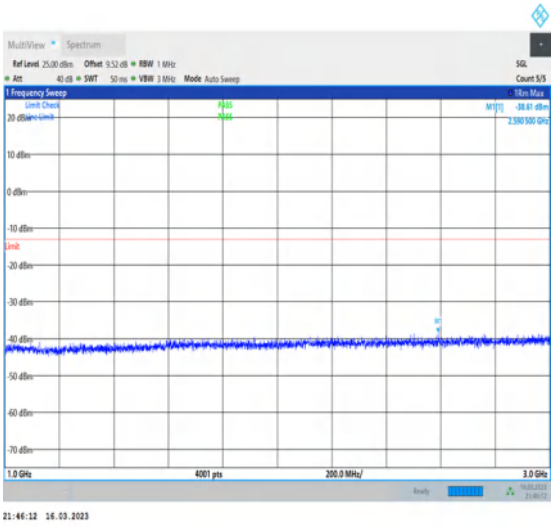

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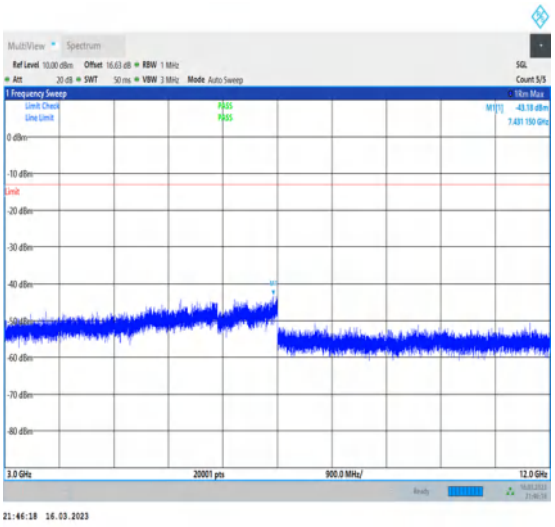

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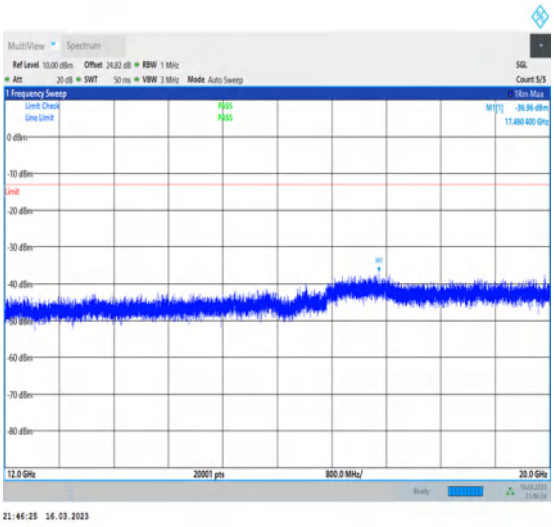

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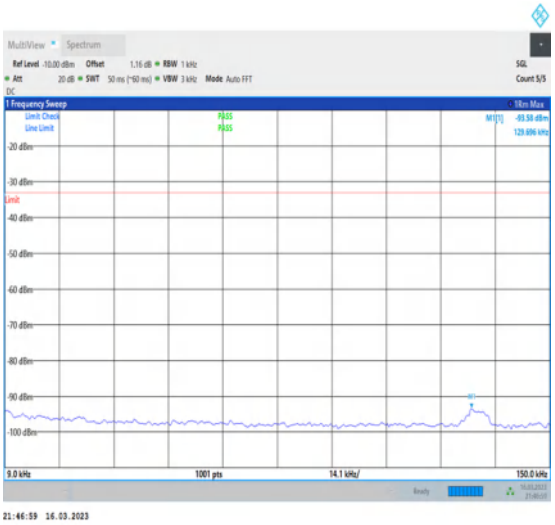

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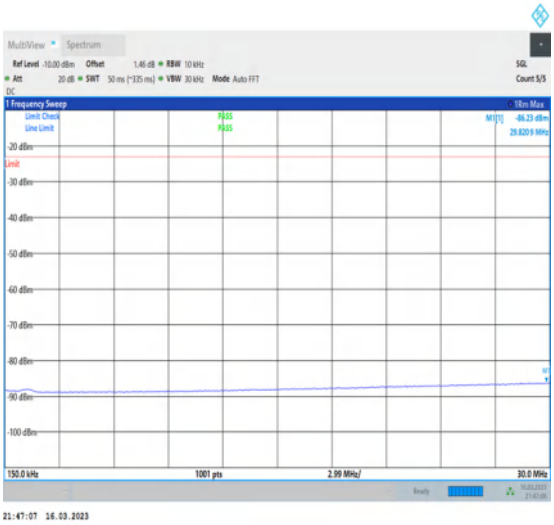

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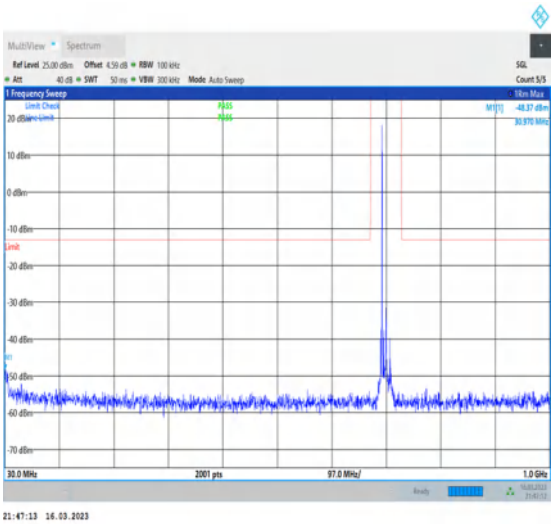

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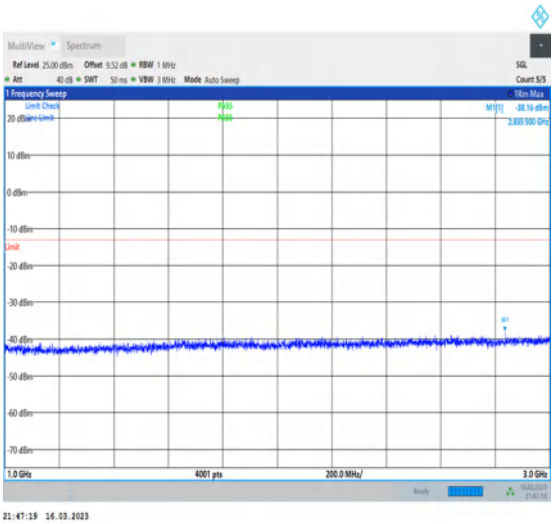

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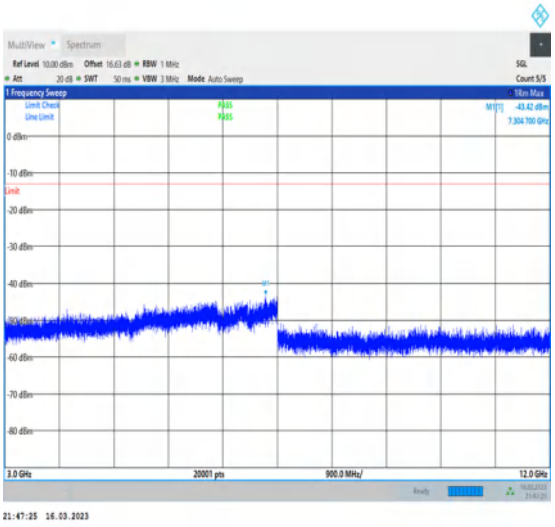	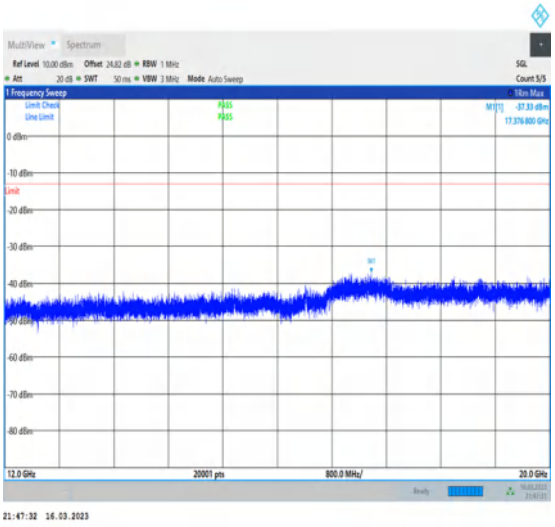
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Member of the SGS Group (SGS SA)

Field Strength of Spurious Radiation

Test Band = SA Band12_15MHz _ TM1
Test Channel = Low

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1399.6800	43.72	-48.00	25.62	-73.92	-13.00	60.92	215	143	Horizontal
2	2099.5200	43.39	-47.71	26.99	-72.59	-13.00	59.59	186	276	Horizontal
3	2799.3600	43.29	-46.92	28.48	-70.41	-13.00	57.41	222	210	Horizontal
4	3499.2000	42.85	-46.54	29.52	-69.43	-13.00	56.43	214	91	Horizontal
5	4199.0400	40.71	-45.96	31.10	-69.41	-13.00	56.41	261	263	Horizontal
6	4898.8800	42.09	-45.58	32.60	-66.15	-13.00	53.15	199	360	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1399.6800	44.43	-48.00	25.62	-73.21	-13.00	60.21	245	10	Vertical
2	2099.5200	44.29	-47.71	26.99	-71.69	-13.00	58.69	199	29	Vertical
3	2799.3600	42.83	-46.92	28.48	-70.87	-13.00	57.87	175	43	Vertical
4	3499.2000	42.93	-46.54	29.52	-69.35	-13.00	56.35	184	96	Vertical
5	4199.0400	40.97	-45.96	31.10	-69.15	-13.00	56.15	146	189	Vertical
6	4898.8800	41.98	-45.58	32.60	-66.26	-13.00	53.26	136	189	Vertical

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Member of the SGS Group (SGS SA)

Test Band = SA Band12_15MHz _ TM1
Test Channel = Mid

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1401.6800	44.15	-48.01	25.62	-73.50	-13.00	60.50	148	304	Horizontal
2	2102.5200	43.33	-47.71	27.00	-72.64	-13.00	59.64	155	158	Horizontal
3	2803.3600	43.59	-46.91	28.49	-70.08	-13.00	57.08	126	65	Horizontal
4	3504.2000	42.92	-46.53	29.52	-69.35	-13.00	56.35	291	350	Horizontal
5	4205.0400	41.61	-45.95	31.11	-68.49	-13.00	55.49	184	65	Horizontal
6	4905.8800	41.77	-45.59	32.62	-66.47	-13.00	53.47	176	238	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1401.6800	44.55	-48.01	25.62	-73.10	-13.00	60.10	125	309	Vertical
2	2102.5200	43.05	-47.71	27.00	-72.92	-13.00	59.92	148	228	Vertical
3	2803.3600	43.16	-46.91	28.49	-70.51	-13.00	57.51	175	70	Vertical
4	3504.2000	42.68	-46.53	29.52	-69.59	-13.00	56.59	133	1	Vertical
5	4205.0400	41.23	-45.95	31.11	-68.87	-13.00	55.87	255	357	Vertical
6	4905.8800	42.16	-45.59	32.62	-66.08	-13.00	53.08	146	295	Vertical

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Member of the SGS Group (SGS SA)

Test Band = SA Band12_15MHz _ TM1
Test Channel = High

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1403.6800	44.86	-48.01	25.61	-72.80	-13.00	59.80	211	263	Horizontal
2	2105.5200	42.42	-47.71	27.01	-73.54	-13.00	60.54	184	117	Horizontal
3	2807.3600	42.57	-46.89	28.51	-71.07	-13.00	58.07	174	349	Horizontal
4	3509.2000	42.65	-46.52	29.53	-69.60	-13.00	56.60	153	64	Horizontal
5	4211.0400	41.97	-45.94	31.12	-68.11	-13.00	55.11	216	196	Horizontal
6	4912.8800	41.82	-45.61	32.64	-66.41	-13.00	53.41	190	51	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1403.6800	44.73	-48.01	25.61	-72.93	-13.00	59.93	254	44	Vertical
2	2105.5200	42.97	-47.71	27.01	-72.99	-13.00	59.99	177	96	Vertical
3	2807.3600	43.01	-46.89	28.51	-70.63	-13.00	57.63	148	281	Vertical
4	3509.2000	42.30	-46.52	29.53	-69.95	-13.00	56.95	186	256	Vertical
5	4211.0400	41.42	-45.94	31.12	-68.66	-13.00	55.66	299	110	Vertical
6	4912.8800	41.91	-45.61	32.64	-66.32	-13.00	53.32	143	0	Vertical

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Member of the SGS Group (SGS SA)

Test Band = NSA 2A_n12A_ TM1
Test Channel = Low

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1718.8571	54.45	-48.12	25.40	-63.53	-13.00	50.53	129	65	Horizontal
2	2591.4286	42.99	-46.96	28.07	-71.16	-13.00	58.16	248	132	Horizontal
3	3125.1429	50.43	-46.63	29.56	-61.91	-13.00	48.91	263	170	Horizontal
4	4843.4286	44.42	-45.61	32.44	-64.01	-13.00	51.01	247	288	Horizontal
5	7193.1429	37.66	-43.89	36.58	-64.91	-13.00	51.91	141	234	Horizontal
6	8402.8571	35.72	-41.68	37.34	-63.88	-13.00	50.88	153	338	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1718.8571	56.97	-48.12	25.40	-61.01	-13.00	48.01	214	203	Vertical
2	2881.1429	43.01	-46.64	28.83	-70.05	-13.00	57.05	155	100	Vertical
3	4892.5714	41.70	-45.58	32.58	-66.57	-13.00	53.57	235	203	Vertical
4	6326.8571	39.33	-44.64	34.47	-66.11	-13.00	53.11	217	139	Vertical
5	7656	38.05	-43.17	36.50	-63.88	-13.00	50.88	185	322	Vertical
6	8488	35.12	-41.70	37.51	-64.32	-13.00	51.32	261	244	Vertical

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Member of the SGS Group (SGS SA)

Test Band = NSA 2A_n12A_ TM1
Test Channel = Mid

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1718.8571	54.37	-48.12	25.40	-63.61	-13.00	50.61	129	65	Horizontal
2	2647.4286	42.95	-46.99	28.19	-71.11	-13.00	58.11	247	65	Horizontal
3	3172.5714	43.11	-46.42	29.63	-68.93	-13.00	55.93	175	52	Horizontal
4	4923.4286	41.62	-45.63	32.67	-66.61	-13.00	53.61	265	313	Horizontal
5	6621.1429	39.24	-44.40	35.48	-64.94	-13.00	51.94	241	360	Horizontal
6	7574.8571	37.04	-43.06	36.40	-64.87	-13.00	51.87	132	246	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1718.8571	56.85	-48.12	25.40	-61.13	-13.00	48.13	127	204	Vertical
2	2031.4286	45.31	-47.84	26.75	-71.04	-13.00	58.04	145	34	Vertical
3	3922.8571	40.96	-46.22	30.62	-69.90	-13.00	56.90	289	269	Vertical
4	5425.7143	40.31	-45.01	32.83	-67.14	-13.00	54.14	236	34	Vertical
5	6799.4286	38.97	-44.12	35.84	-64.57	-13.00	51.57	244	231	Vertical
6	7656	38.42	-43.17	36.50	-63.51	-13.00	50.51	154	322	Vertical

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Member of the SGS Group (SGS SA)

Test Band = NSA 2A_n12A_ TM1
Test Channel = High

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2242.2857	43.51	-47.60	27.36	-71.99	-13.00	58.99	132	0	Horizontal
2	3125.1429	51.22	-46.63	29.56	-61.12	-13.00	48.12	259	165	Horizontal
3	3975.4286	41.48	-46.21	30.74	-69.25	-13.00	56.25	264	218	Horizontal
4	4843.4286	43.85	-45.61	32.44	-64.58	-13.00	51.58	271	270	Horizontal
5	6013.7143	40.08	-44.47	34.13	-65.51	-13.00	52.51	144	349	Horizontal
6	7574.8571	36.71	-43.06	36.40	-65.20	-13.00	52.20	284	48	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1718.8571	57.21	-48.12	25.40	-60.77	-13.00	47.77	210	196	Vertical
2	2470.8571	43.06	-47.32	27.67	-71.85	-13.00	58.85	294	338	Vertical
3	3125.1429	49.58	-46.63	29.56	-62.76	-13.00	49.76	275	79	Vertical
4	4843.4286	47.02	-45.61	32.44	-61.41	-13.00	48.41	166	66	Vertical
5	7656	38.80	-43.17	36.50	-63.13	-13.00	50.13	243	129	Vertical
6	8400.5714	36.20	-41.68	37.33	-63.41	-13.00	50.41	218	155	Vertical

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Member of the SGS Group (SGS SA)

Test Band = NSA 7A_n12A_ TM1
Test Channel = Low

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1718.8571	54.49	-48.12	25.40	-63.49	-13.00	50.49	139	60	Horizontal
2	2812.5714	44.45	-46.88	28.53	-69.15	-13.00	56.15	284	22	Horizontal
3	3125.1429	50.97	-46.63	29.56	-61.37	-13.00	48.37	152	165	Horizontal
4	4843.4286	43.75	-45.61	32.44	-64.68	-13.00	51.68	162	284	Horizontal
5	6632.5714	39.39	-44.35	35.51	-64.71	-13.00	51.71	241	6	Horizontal
6	7856.5714	35.66	-42.70	36.85	-65.46	-13.00	52.46	207	124	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1718.8571	57.17	-48.12	25.40	-60.81	-13.00	47.81	137	207	Vertical
2	1797.7143	43.59	-47.95	25.43	-74.20	-13.00	61.20	185	3	Vertical
3	2812.5714	44.20	-46.88	28.53	-69.40	-13.00	56.40	119	338	Vertical
4	3125.1429	48.30	-46.63	29.56	-64.04	-13.00	51.04	246	77	Vertical
5	4843.4286	47.58	-45.61	32.44	-60.85	-13.00	47.85	306	62	Vertical
6	7656	38.63	-43.17	36.50	-63.30	-13.00	50.30	215	129	Vertical

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Member of the SGS Group (SGS SA)

Test Band = NSA 7A_n12A_ TM1
Test Channel = Mid

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1718.8571	54.31	-48.12	25.40	-63.67	-13.00	50.67	189	60	Horizontal
2	2187.4286	43.71	-47.68	27.30	-71.94	-13.00	58.94	260	0	Horizontal
3	3125.1429	50.83	-46.63	29.56	-61.51	-13.00	48.51	173	165	Horizontal
4	4320.5714	41.11	-45.80	31.35	-68.61	-13.00	55.61	239	0	Horizontal
5	7125.1429	38.17	-44.13	36.41	-64.82	-13.00	51.82	297	178	Horizontal
6	8451.4286	35.25	-41.69	37.44	-64.26	-13.00	51.26	148	190	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2137.7143	43.37	-47.70	27.12	-72.47	-13.00	59.47	197	104	Vertical
2	3125.1429	49.04	-46.63	29.56	-63.30	-13.00	50.30	280	78	Vertical
3	3954.8571	41.57	-46.21	30.69	-69.21	-13.00	56.21	162	104	Vertical
4	5223.4286	39.90	-45.06	32.97	-67.45	-13.00	54.45	208	65	Vertical
5	6599.4286	39.52	-44.49	35.44	-64.79	-13.00	51.79	294	155	Vertical
6	7656	38.33	-43.17	36.50	-63.60	-13.00	50.60	242	51	Vertical

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Member of the SGS Group (SGS SA)

Test Band = NSA 7A_n12A_ TM1
Test Channel = High

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1718.8571	53.85	-48.12	25.40	-64.13	-13.00	51.13	221	60	Horizontal
2	3125.1429	51.37	-46.63	29.56	-60.97	-13.00	47.97	149	165	Horizontal
3	4102.2857	41.28	-45.90	30.95	-68.93	-13.00	55.93	235	2	Horizontal
4	4843.4286	43.99	-45.61	32.44	-64.44	-13.00	51.44	186	269	Horizontal
5	5990.2857	39.90	-44.48	34.11	-65.73	-13.00	52.73	271	153	Horizontal
6	7513.7143	37.16	-43.36	36.43	-65.03	-13.00	52.03	201	348	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1718.8571	57.43	-48.12	25.40	-60.55	-13.00	47.55	129	209	Vertical
2	2371.4286	43.65	-47.46	27.43	-71.65	-13.00	58.65	248	359	Vertical
3	3015.4286	43.07	-46.56	29.38	-69.37	-13.00	56.37	155	360	Vertical
4	4218.8571	43.72	-45.93	31.14	-66.33	-13.00	53.33	162	13	Vertical
5	4885.1429	41.78	-45.59	32.56	-66.51	-13.00	53.51	138	339	Vertical
6	6755.4286	38.97	-44.09	35.75	-64.63	-13.00	51.63	284	13	Vertical

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Member of the SGS Group (SGS SA)

Test Band = NR CA 2A_n12A_ TM1
Test Channel = Low

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4112.25	41.88	-45.76	30.97	-68.17	-13.00	55.17	248	256	Horizontal
2	5611.5	41.33	-45.04	33.06	-65.91	-13.00	52.91	144	195	Horizontal
3	8277.75	38.40	-42.08	37.18	-61.76	-13.00	48.76	126	152	Horizontal
4	9297.75	36.57	-40.22	38.41	-60.50	-13.00	47.50	153	332	Horizontal
5	12784.5	31.63	-36.81	39.60	-60.83	-13.00	47.83	261	30	Horizontal
6	15146.25	30.94	-34.47	39.02	-59.77	-13.00	46.77	199	270	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3741	41.99	-45.67	30.12	-68.82	-13.00	55.82	198	25	Vertical
2	5156.25	46.27	-45.32	32.97	-61.34	-13.00	48.34	148	179	Vertical
3	5611.5	47.84	-45.04	33.06	-59.40	-13.00	46.40	175	136	Vertical
4	7827.75	39.07	-42.45	36.81	-61.83	-13.00	48.83	142	25	Vertical
5	10710.75	33.68	-37.96	39.15	-60.39	-13.00	47.39	126	145	Vertical
6	12806.25	31.53	-36.85	39.64	-60.94	-13.00	47.94	155	111	Vertical

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Test Band = NR CA 2A_n12A_ TM1
Test Channel = Mid

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4262.25	42.35	-45.63	31.23	-67.31	-13.00	54.31	211	300	Horizontal
2	6442.5	40.57	-44.50	34.79	-64.39	-13.00	51.39	146	60	Horizontal
3	8392.5	38.59	-41.49	37.32	-60.84	-13.00	47.84	128	77	Horizontal
4	11199.75	33.21	-37.39	39.11	-60.33	-13.00	47.33	199	29	Horizontal
5	14561.25	30.90	-35.12	39.97	-59.51	-13.00	46.51	154	120	Horizontal
6	15146.25	30.55	-34.47	39.02	-60.16	-13.00	47.16	188	46	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4008	41.91	-46.02	30.81	-68.56	-13.00	55.56	125	121	Vertical
2	5954.25	41.10	-44.89	34.04	-65.01	-13.00	52.01	148	332	Vertical
3	8336.25	38.82	-41.81	37.25	-61.00	-13.00	48.00	156	152	Vertical
4	9393.75	36.08	-39.85	38.49	-60.55	-13.00	47.55	136	166	Vertical
5	12712.5	31.33	-36.70	39.48	-61.15	-13.00	48.15	259	0	Vertical
6	13668.75	31.24	-36.14	40.08	-60.07	-13.00	47.07	199	31	Vertical

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Test Band = NR CA 2A_n12A_ TM1
Test Channel = High

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4092	41.82	-45.78	30.94	-68.28	-13.00	55.28	255	135	Horizontal
2	6352.5	41.49	-44.47	34.52	-63.72	-13.00	50.72	148	47	Horizontal
3	9609.75	35.71	-39.65	38.43	-60.77	-13.00	47.77	185	0	Horizontal
4	12209.25	31.74	-37.48	39.13	-61.88	-13.00	48.88	146	357	Horizontal
5	15146.25	31.06	-34.47	39.02	-59.65	-13.00	46.65	192	47	Horizontal
6	16503.75	31.94	-33.87	37.93	-59.25	-13.00	46.25	136	30	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4218.75	42.98	-45.73	31.14	-66.87	-13.00	53.87	148	139	Vertical
2	5326.5	41.16	-45.15	32.87	-66.38	-13.00	53.38	155	273	Vertical
3	6647.25	40.57	-44.09	35.53	-63.25	-13.00	50.25	126	199	Vertical
4	8031.75	38.71	-42.04	37.02	-61.56	-13.00	48.56	198	19	Vertical
5	10483.5	34.19	-38.83	38.94	-60.96	-13.00	47.96	178	0	Vertical
6	11604.75	31.13	-36.90	38.89	-62.15	-13.00	49.15	142	347	Vertical

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Test Band = NR CA 5A_n12A_ TM1
Test Channel = Low

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1650.1800	43.22	-48.22	25.37	-74.89	-13.00	61.89	224	53	Horizontal
2	2475.2700	42.54	-47.31	27.69	-72.35	-13.00	59.35	174	288	Horizontal
3	3300.3600	42.19	-46.68	29.55	-70.19	-13.00	57.19	156	276	Horizontal
4	4199.0400	39.82	-45.96	31.10	-70.30	-13.00	57.30	196	12	Horizontal
5	4898.8800	40.90	-45.58	32.60	-67.34	-13.00	54.34	238	92	Horizontal
6	6625.1429	39.49	-44.38	35.49	-64.66	-13.00	51.66	179	12	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1650.1800	43.07	-48.22	25.37	-75.04	-13.00	62.04	287	348	Vertical
2	2475.2700	42.34	-47.31	27.69	-72.55	-13.00	59.55	171	173	Vertical
3	3300.3600	41.80	-46.68	29.55	-70.58	-13.00	57.58	146	282	Vertical
4	4199.0400	40.12	-45.96	31.10	-70.00	-13.00	57.00	203	335	Vertical
5	4898.8800	41.63	-45.58	32.60	-66.61	-13.00	53.61	285	297	Vertical
6	7656	39.94	-43.17	36.50	-61.99	-13.00	48.99	149	173	Vertical

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Test Band = NR CA 5A_n12A_ TM1
Test Channel = Mid

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1655.1800	43.15	-48.21	25.37	-74.95	-13.00	61.95	174	38	Horizontal
2	2482.7700	41.97	-47.30	27.71	-72.88	-13.00	59.88	259	263	Horizontal
3	3310.3600	42.29	-46.66	29.54	-70.09	-13.00	57.09	186	117	Horizontal
4	4205.0400	40.62	-45.95	31.11	-69.48	-13.00	56.48	263	341	Horizontal
5	4905.8800	41.24	-45.59	32.62	-67.00	-13.00	54.00	274	197	Horizontal
6	6988.5714	38.82	-43.64	36.07	-64.01	-13.00	51.01	188	359	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1655.1800	43.69	-48.21	25.37	-74.41	-13.00	61.41	219	10	Vertical
2	2482.7700	42.73	-47.30	27.71	-72.12	-13.00	59.12	182	189	Vertical
3	3310.3600	42.22	-46.66	29.54	-70.16	-13.00	57.16	296	357	Vertical
4	4205.0400	40.18	-45.95	31.11	-69.92	-13.00	56.92	307	83	Vertical
5	4905.8800	40.89	-45.59	32.62	-67.35	-13.00	54.35	142	109	Vertical
6	7344	40.10	-43.38	36.52	-62.02	-13.00	49.02	156	177	Vertical

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Member of the SGS Group (SGS SA)

Test Band = NR CA 5A_n12A_ TM1
Test Channel = High

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1660.1800	43.36	-48.21	25.37	-74.73	-13.00	61.73	177	118	Horizontal
2	2490.2700	42.40	-47.29	27.74	-72.41	-13.00	59.41	248	349	Horizontal
3	3320.3600	42.65	-46.65	29.53	-69.73	-13.00	56.73	189	275	Horizontal
4	4211.0400	40.94	-45.94	31.12	-69.14	-13.00	56.14	256	360	Horizontal
5	4912.8800	40.95	-45.61	32.64	-67.28	-13.00	54.28	138	358	Horizontal
6	6986.2857	38.57	-43.65	36.06	-64.28	-13.00	51.28	248	360	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1660.1800	43.20	-48.21	25.37	-74.89	-13.00	61.89	174	203	Vertical
2	2490.2700	42.28	-47.29	27.74	-72.53	-13.00	59.53	185	123	Vertical
3	3320.3600	42.59	-46.65	29.53	-69.79	-13.00	56.79	192	0	Vertical
4	4211.0400	40.60	-45.94	31.12	-69.48	-13.00	56.48	255	215	Vertical
5	4912.8800	41.77	-45.61	32.64	-66.46	-13.00	53.46	196	111	Vertical
6	7656	39.52	-43.17	36.50	-62.41	-13.00	49.41	235	176	Vertical

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Test Band = NR CA 7A_n12A_ TM1
Test Channel = Low

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1718.8571	56.82	-48.12	25.40	-61.16	-25.00	36.16	153	20	Horizontal
2	1888	44.43	-48.04	25.96	-72.91	-25.00	47.91	261	90	Horizontal
3	2002.8571	44.04	-47.89	26.65	-72.46	-25.00	47.46	145	76	Horizontal
4	3213.1429	44.11	-46.34	29.66	-67.83	-25.00	42.83	155	1	Horizontal
5	4104.5714	42.19	-45.90	30.96	-68.02	-25.00	43.02	198	339	Horizontal
6	5225.7143	40.74	-45.07	32.97	-66.62	-25.00	41.62	185	262	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1718.8571	59.74	-48.12	25.40	-58.24	-25.00	33.24	254	216	Vertical
2	2031.4286	51.35	-47.84	26.75	-65.00	-25.00	40.00	156	44	Vertical
3	2527.4286	43.89	-47.18	27.86	-70.69	-25.00	45.69	199	171	Vertical
4	2892.5714	43.61	-46.60	28.88	-69.36	-25.00	44.36	184	9	Vertical
5	3642.8571	42.96	-46.26	29.76	-68.79	-25.00	43.79	175	328	Vertical
6	5468.5714	41.16	-45.09	32.88	-66.31	-25.00	41.31	143	190	Vertical

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Test Band = NR CA 7A_n12A_ TM1
Test Channel = Mid

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1718.8571	56.19	-48.12	25.40	-61.79	-25.00	36.79	245	25	Horizontal
2	1874.8571	47.94	-48.02	25.88	-69.46	-25.00	44.46	166	317	Horizontal
3	2031.4286	46.38	-47.84	26.75	-69.97	-25.00	44.97	215	105	Horizontal
4	2723.4286	43.97	-47.02	28.33	-69.98	-25.00	44.98	185	277	Horizontal
5	3958.8571	42.50	-46.21	30.70	-68.27	-25.00	43.27	146	158	Horizontal
6	5045.1429	41.47	-45.62	32.90	-66.50	-25.00	41.50	136	197	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1874.8571	46.00	-48.02	25.88	-71.40	-25.00	46.40	256	189	Vertical
2	2500	44.32	-47.27	27.77	-70.44	-25.00	45.44	154	321	Vertical
3	3125.1429	48.24	-46.63	29.56	-64.10	-25.00	39.10	177	347	Vertical
4	3991.4286	42.35	-46.20	30.78	-68.33	-25.00	43.33	185	240	Vertical
5	5156	42.77	-45.16	32.97	-64.69	-25.00	39.69	146	203	Vertical
6	5741.7143	40.97	-44.61	33.54	-65.36	-25.00	40.36	133	123	Vertical

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Test Band = NR CA 7A_n12A_ TM1
Test Channel = High

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1995.4286	43.79	-47.91	26.61	-72.76	-25.00	47.76	254	130	Horizontal
2	2386.2857	44.04	-47.46	27.43	-71.24	-25.00	46.24	156	171	Horizontal
3	2968.5714	43.53	-46.54	29.21	-69.05	-25.00	44.05	129	92	Horizontal
4	3808.5714	41.87	-46.17	30.35	-69.21	-25.00	44.21	184	104	Horizontal
5	5169.1429	40.85	-45.11	32.97	-66.55	-25.00	41.55	145	360	Horizontal
6	6118.8571	40.04	-44.73	34.17	-65.78	-25.00	40.78	176	13	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2040.5714	44.35	-47.82	26.78	-71.95	-25.00	46.95	125	0	Vertical
2	2656	44.16	-47.00	28.21	-69.89	-25.00	44.89	148	64	Vertical
3	3328.5714	43.38	-46.64	29.52	-69.00	-25.00	44.00	199	282	Vertical
4	4265.7143	41.85	-45.84	31.23	-68.02	-25.00	43.02	186	230	Vertical
5	5613.1429	40.90	-45.18	33.07	-66.47	-25.00	41.47	154	334	Vertical
6	6520.5714	40.37	-44.62	35.11	-64.39	-25.00	39.39	175	4	Vertical

Remark:

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

AF = Antenna Factor(dB/m)

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

Level = Reading Level + AF + Factor -95.26

Margin = Limit – Level

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Frequency Stability for SA

Test Result

Frequency Error VS. Voltage

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation(Hz)	Deviation (ppm)	Verdict
N12	15	15	DFT-PI2BPSK	M	Outer_Full	VH	NT	-5.400000	-0.007633	PASS
N12	15	15	DFT-PI2BPSK	M	Outer_Full	VN	NT	-4.600000	-0.006502	PASS
N12	15	15	DFT-PI2BPSK	M	Outer_Full	VL	NT	-2.500000	-0.003534	PASS
N12	15	15	CP-QPSK	M	Outer_Full	VH	NT	-1.500000	-0.002120	PASS
N12	15	15	CP-QPSK	M	Outer_Full	VN	NT	-3.900000	-0.005512	PASS
N12	15	15	CP-QPSK	M	Outer_Full	VL	NT	-5.600000	-0.007915	PASS

Frequency Error VS. Temperature

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation(Hz)	Deviation (ppm)	Verdict
N12	15	15	DFT-PI2BPSK	M	Outer_Full	NV	-30	-2.700000	-0.003816	PASS
N12	15	15	DFT-PI2BPSK	M	Outer_Full	NV	-20	-4.400000	-0.006219	PASS
N12	15	15	DFT-PI2BPSK	M	Outer_Full	NV	-10	-3.400000	-0.004806	PASS
N12	15	15	DFT-PI2BPSK	M	Outer_Full	NV	0	-4.000000	-0.005654	PASS
N12	15	15	DFT-PI2BPSK	M	Outer_Full	NV	10	-3.200000	-0.004523	PASS
N12	15	15	DFT-PI2BPSK	M	Outer_Full	NV	20	-3.900000	-0.005512	PASS
N12	15	15	DFT-PI2BPSK	M	Outer_Full	NV	30	-1.800000	-0.002544	PASS
N12	15	15	DFT-PI2BPSK	M	Outer_Full	NV	40	-4.400000	-0.006219	PASS
N12	15	15	DFT-	M	Outer_Full	NV	50	-2.500000	-0.003534	PASS

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			PI2BPSK							
N12	15	15	CP-QPSK	M	Outer_Full	NV	-30	-4.500000	-0.006360	PASS
N12	15	15	CP-QPSK	M	Outer_Full	NV	-20	-2.600000	-0.003675	PASS
N12	15	15	CP-QPSK	M	Outer_Full	NV	-10	-2.400000	-0.003392	PASS
N12	15	15	CP-QPSK	M	Outer_Full	NV	0	-4.200000	-0.005936	PASS
N12	15	15	CP-QPSK	M	Outer_Full	NV	10	-1.600000	-0.002261	PASS
N12	15	15	CP-QPSK	M	Outer_Full	NV	20	-2.400000	-0.003392	PASS
N12	15	15	CP-QPSK	M	Outer_Full	NV	30	-3.400000	-0.004806	PASS
N12	15	15	CP-QPSK	M	Outer_Full	NV	40	-2.600000	-0.003675	PASS
N12	15	15	CP-QPSK	M	Outer_Full	NV	50	-3.800000	-0.005371	PASS

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