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Appendix B.37

NR Band n30



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Effective (Isotropic) Radiated Power Output Data for SA

Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Power (dBm)	EIRP (dBm)	Limit (dBm)	Verdict
N30	15	5	DFT-PI2BPSK	L	Inner_1RB_Left	23.40	17.70	23.98	PASS
N30	15	5	DFT-PI2BPSK	L	Inner_1RB_Right	23.32	17.62	23.98	PASS
N30	15	5	DFT-PI2BPSK	L	Outer_Full	23.47	17.77	23.98	PASS
N30	15	5	DFT-QPSK	L	Inner_1RB_Left	23.46	17.76	23.98	PASS
N30	15	5	DFT-QPSK	L	Inner_1RB_Right	23.37	17.67	23.98	PASS
N30	15	5	DFT-QPSK	L	Outer_Full	23.14	17.44	23.98	PASS
N30	15	5	DFT-16QAM	L	Inner_1RB_Left	23.34	17.64	23.98	PASS
N30	15	5	DFT-16QAM	L	Inner_1RB_Right	23.02	17.32	23.98	PASS
N30	15	5	DFT-16QAM	L	Outer_Full	21.97	16.27	23.98	PASS
N30	15	5	DFT-64QAM	L	Inner_1RB_Left	21.61	15.91	23.98	PASS
N30	15	5	DFT-64QAM	L	Inner_1RB_Right	21.24	15.54	23.98	PASS
N30	15	5	DFT-64QAM	L	Outer_Full	21.47	15.77	23.98	PASS
N30	15	5	DFT-256QAM	L	Inner_1RB_Left	19.74	14.04	23.98	PASS
N30	15	5	DFT-256QAM	L	Inner_1RB_Right	19.56	13.86	23.98	PASS
N30	15	5	DFT-256QAM	L	Outer_Full	19.82	14.12	23.98	PASS
N30	15	5	DFT-PI2BPSK	M	Inner_1RB_Left	23.41	17.71	23.98	PASS
N30	15	5	DFT-PI2BPSK	M	Inner_1RB_Right	23.35	17.65	23.98	PASS
N30	15	5	DFT-PI2BPSK	M	Outer_Full	23.01	17.31	23.98	PASS
N30	15	5	DFT-QPSK	M	Inner_1RB_Left	23.39	17.69	23.98	PASS
N30	15	5	DFT-QPSK	M	Inner_1RB_Right	23.34	17.64	23.98	PASS
N30	15	5	DFT-QPSK	M	Outer_Full	22.39	16.69	23.98	PASS
N30	15	5	DFT-16QAM	M	Inner_1RB_Left	22.53	16.83	23.98	PASS
N30	15	5	DFT-16QAM	M	Inner_1RB_Right	22.59	16.89	23.98	PASS
N30	15	5	DFT-16QAM	M	Outer_Full	21.31	15.61	23.98	PASS
N30	15	5	DFT-64QAM	M	Inner_1RB_Left	20.79	15.09	23.98	PASS
N30	15	5	DFT-64QAM	M	Inner_1RB_Right	20.82	15.12	23.98	PASS
N30	15	5	DFT-64QAM	M	Outer_Full	20.79	15.09	23.98	PASS
N30	15	5	DFT-256QAM	M	Inner_1RB_Left	19.24	13.54	23.98	PASS
N30	15	5	DFT-256QAM	M	Inner_1RB_Right	19.34	13.64	23.98	PASS
N30	15	5	DFT-256QAM	M	Outer_Full	19.36	13.66	23.98	PASS

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N30	15	5	DFT-PI2BPSK	H	Inner_1RB_Left	23.38	17.68	23.98	PASS
N30	15	5	DFT-PI2BPSK	H	Inner_1RB_Right	23.44	17.74	23.98	PASS
N30	15	5	DFT-PI2BPSK	H	Outer_Full	22.79	17.09	23.98	PASS
N30	15	5	DFT-QPSK	H	Inner_1RB_Left	23.12	17.42	23.98	PASS
N30	15	5	DFT-QPSK	H	Inner_1RB_Right	23.34	17.64	23.98	PASS
N30	15	5	DFT-QPSK	H	Outer_Full	22.32	16.62	23.98	PASS
N30	15	5	DFT-16QAM	H	Inner_1RB_Left	22.37	16.67	23.98	PASS
N30	15	5	DFT-16QAM	H	Inner_1RB_Right	22.67	16.97	23.98	PASS
N30	15	5	DFT-16QAM	H	Outer_Full	21.19	15.49	23.98	PASS
N30	15	5	DFT-64QAM	H	Inner_1RB_Left	20.67	14.97	23.98	PASS
N30	15	5	DFT-64QAM	H	Inner_1RB_Right	21.02	15.32	23.98	PASS
N30	15	5	DFT-64QAM	H	Outer_Full	20.85	15.15	23.98	PASS
N30	15	5	DFT-256QAM	H	Inner_1RB_Left	19.15	13.45	23.98	PASS
N30	15	5	DFT-256QAM	H	Inner_1RB_Right	19.52	13.82	23.98	PASS
N30	15	5	DFT-256QAM	H	Outer_Full	19.40	13.70	23.98	PASS
N30	15	10	DFT-PI2BPSK	L	Inner_1RB_Left	22.98	17.28	23.98	PASS
N30	15	10	DFT-PI2BPSK	L	Inner_1RB_Right	22.95	17.25	23.98	PASS
N30	15	10	DFT-PI2BPSK	L	Outer_Full	22.45	16.75	23.98	PASS
N30	15	10	DFT-QPSK	L	Inner_1RB_Left	23.37	17.67	23.98	PASS
N30	15	10	DFT-QPSK	L	Inner_1RB_Right	23.32	17.62	23.98	PASS
N30	15	10	DFT-QPSK	L	Outer_Full	21.94	16.24	23.98	PASS
N30	15	10	DFT-16QAM	L	Inner_1RB_Left	21.76	16.06	23.98	PASS
N30	15	10	DFT-16QAM	L	Inner_1RB_Right	21.74	16.04	23.98	PASS
N30	15	10	DFT-16QAM	L	Outer_Full	20.92	15.22	23.98	PASS
N30	15	10	DFT-64QAM	L	Inner_1RB_Left	20.13	14.43	23.98	PASS
N30	15	10	DFT-64QAM	L	Inner_1RB_Right	20.12	14.42	23.98	PASS
N30	15	10	DFT-64QAM	L	Outer_Full	20.49	14.79	23.98	PASS
N30	15	10	DFT-256QAM	L	Inner_1RB_Left	18.67	12.97	23.98	PASS
N30	15	10	DFT-256QAM	L	Inner_1RB_Right	18.69	12.99	23.98	PASS
N30	15	10	DFT-256QAM	L	Outer_Full	18.52	12.82	23.98	PASS
N30	15	10	DFT-PI2BPSK	M	Inner_1RB_Left	23.00	17.30	23.98	PASS
N30	15	10	DFT-PI2BPSK	M	Inner_1RB_Right	22.91	17.21	23.98	PASS
N30	15	10	DFT-PI2BPSK	M	Outer_Full	22.47	16.77	23.98	PASS
N30	15	10	DFT-QPSK	M	Inner_1RB_Left	22.90	17.20	23.98	PASS
N30	15	10	DFT-QPSK	M	Inner_1RB_Right	22.87	17.17	23.98	PASS
N30	15	10	DFT-QPSK	M	Outer_Full	21.96	16.26	23.98	PASS
N30	15	10	DFT-16QAM	M	Inner_1RB_Left	21.93	16.23	23.98	PASS

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N30	15	10	DFT-16QAM	M	Inner_1RB_Right	21.90	16.20	23.98	PASS
N30	15	10	DFT-16QAM	M	Outer_Full	21.01	15.31	23.98	PASS
N30	15	10	DFT-64QAM	M	Inner_1RB_Left	20.39	14.69	23.98	PASS
N30	15	10	DFT-64QAM	M	Inner_1RB_Right	20.29	14.59	23.98	PASS
N30	15	10	DFT-64QAM	M	Outer_Full	20.48	14.78	23.98	PASS
N30	15	10	DFT-256QAM	M	Inner_1RB_Left	18.66	12.96	23.98	PASS
N30	15	10	DFT-256QAM	M	Inner_1RB_Right	18.66	12.96	23.98	PASS
N30	15	10	DFT-256QAM	M	Outer_Full	18.54	12.84	23.98	PASS
N30	15	10	DFT-PI2BPSK	H	Inner_1RB_Left	22.97	17.27	23.98	PASS
N30	15	10	DFT-PI2BPSK	H	Inner_1RB_Right	22.98	17.28	23.98	PASS
N30	15	10	DFT-PI2BPSK	H	Outer_Full	22.45	16.75	23.98	PASS
N30	15	10	DFT-QPSK	H	Inner_1RB_Left	23.45	17.75	23.98	PASS
N30	15	10	DFT-QPSK	H	Inner_1RB_Right	23.35	17.65	23.98	PASS
N30	15	10	DFT-QPSK	H	Outer_Full	21.98	16.28	23.98	PASS
N30	15	10	DFT-16QAM	H	Inner_1RB_Left	21.93	16.23	23.98	PASS
N30	15	10	DFT-16QAM	H	Inner_1RB_Right	21.84	16.14	23.98	PASS
N30	15	10	DFT-16QAM	H	Outer_Full	21.02	15.32	23.98	PASS
N30	15	10	DFT-64QAM	H	Inner_1RB_Left	20.36	14.66	23.98	PASS
N30	15	10	DFT-64QAM	H	Inner_1RB_Right	20.36	14.66	23.98	PASS
N30	15	10	DFT-64QAM	H	Outer_Full	20.48	14.78	23.98	PASS
N30	15	10	DFT-256QAM	H	Inner_1RB_Left	18.68	12.98	23.98	PASS
N30	15	10	DFT-256QAM	H	Inner_1RB_Right	18.65	12.95	23.98	PASS
N30	15	10	DFT-256QAM	H	Outer_Full	18.52	12.82	23.98	PASS

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Power Spectral Density Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result	EIRP	Limit	Verdict
N30	15	5	DFT-PI2BPSK	L	Inner_1RB_Left	22.03	16.33	23.98	PASS
N30	15	5	DFT-PI2BPSK	L	Inner_1RB_Right	21.45	15.75	23.98	PASS
N30	15	5	DFT-PI2BPSK	L	Outer_Full	20.2	14.5	23.98	PASS
N30	15	5	DFT-PI2BPSK	M	Inner_1RB_Left	21.56	15.86	23.98	PASS
N30	15	5	DFT-PI2BPSK	M	Inner_1RB_Right	21.67	15.97	23.98	PASS
N30	15	5	DFT-PI2BPSK	M	Outer_Full	20.11	14.41	23.98	PASS
N30	15	5	DFT-PI2BPSK	H	Inner_1RB_Left	21.5	15.8	23.98	PASS
N30	15	5	DFT-PI2BPSK	H	Inner_1RB_Right	22.13	16.43	23.98	PASS
N30	15	5	DFT-PI2BPSK	H	Outer_Full	20.39	14.69	23.98	PASS
N30	15	10	DFT-PI2BPSK	L	Inner_1RB_Left	21.78	16.08	23.98	PASS
N30	15	10	DFT-PI2BPSK	L	Inner_1RB_Right	22.27	16.57	23.98	PASS
N30	15	10	DFT-PI2BPSK	L	Outer_Full	18.82	13.12	23.98	PASS
N30	15	10	DFT-PI2BPSK	M	Inner_1RB_Left	21.32	15.62	23.98	PASS
N30	15	10	DFT-PI2BPSK	M	Inner_1RB_Right	21.95	16.25	23.98	PASS
N30	15	10	DFT-PI2BPSK	M	Outer_Full	18.53	12.83	23.98	PASS
N30	15	10	DFT-PI2BPSK	H	Inner_1RB_Left	21.02	15.32	23.98	PASS
N30	15	10	DFT-PI2BPSK	H	Inner_1RB_Right	21.79	16.09	23.98	PASS
N30	15	10	DFT-PI2BPSK	H	Outer_Full	18.45	12.75	23.98	PASS

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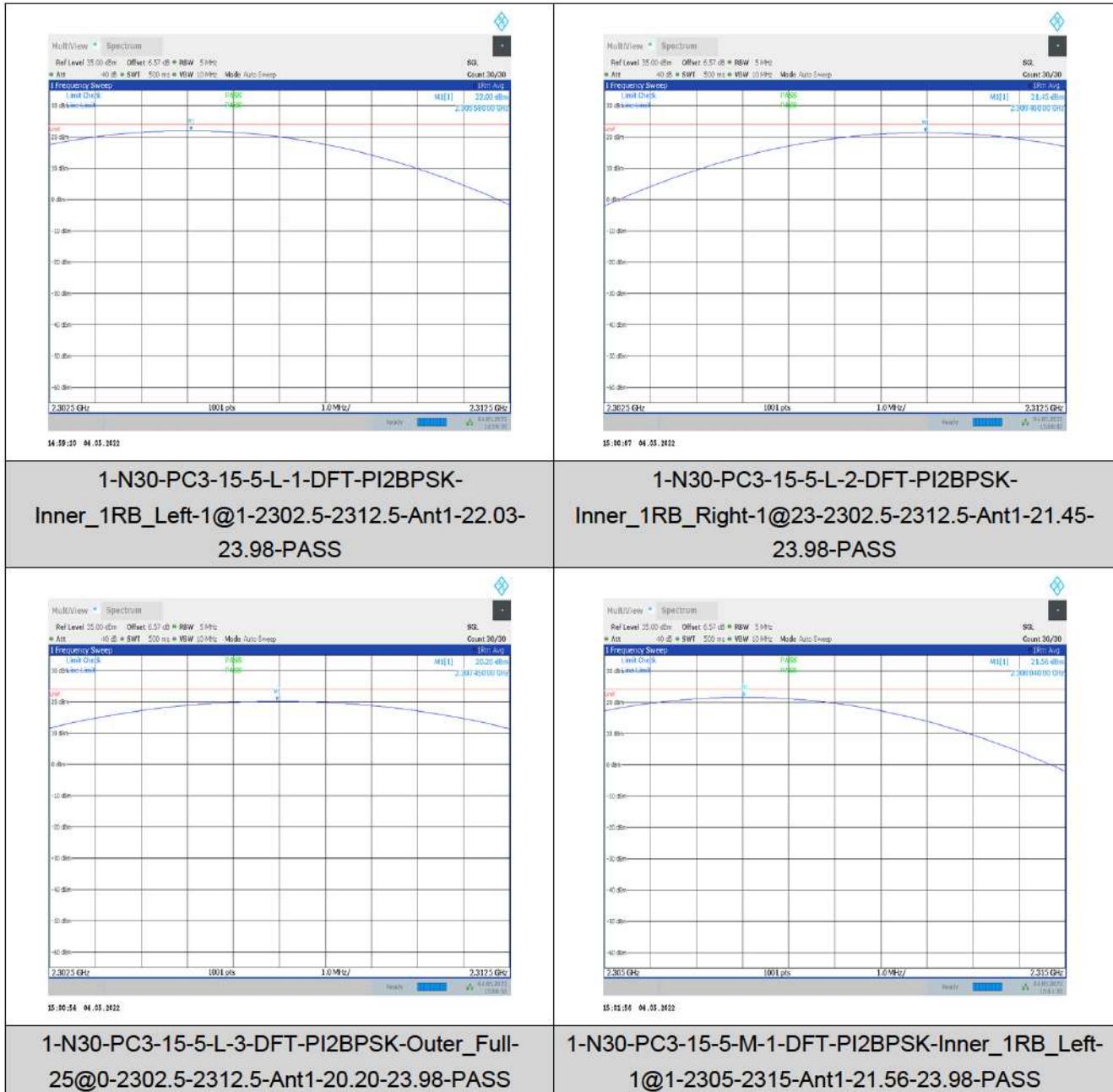
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Test Graphs



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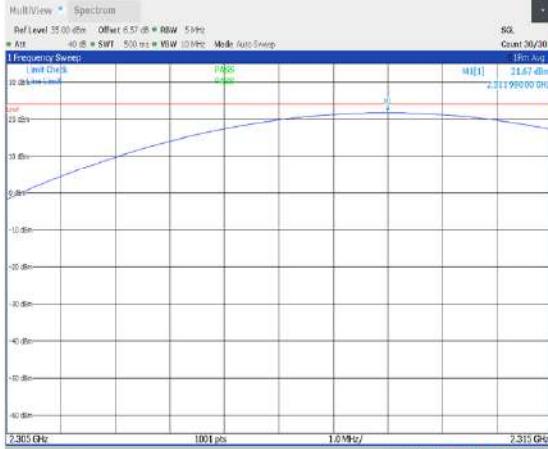
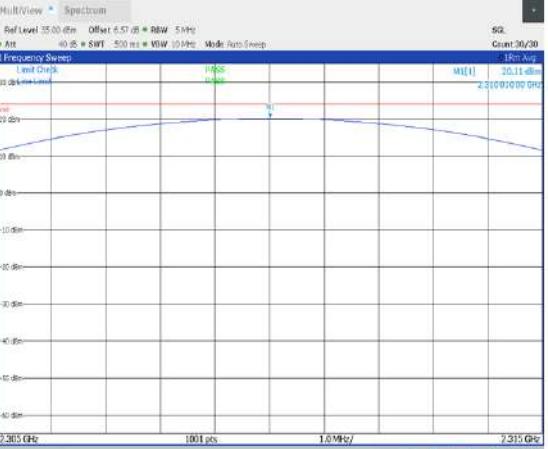
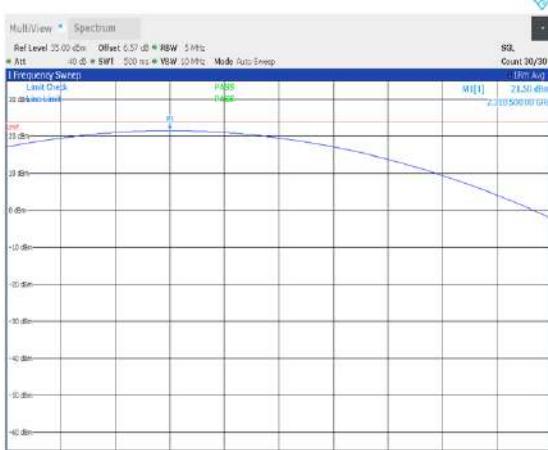
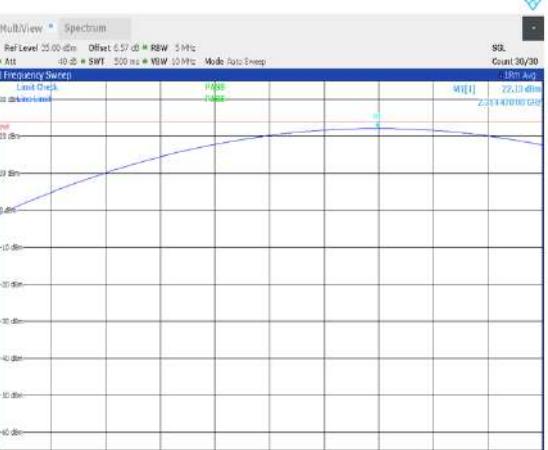
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 <p>1-N30-PC3-15-5-M-2-DFT-PI2BPSK- Inner_1RB_Right-1@23-2305-2315-Ant1-21.67- 23.98-PASS</p>	 <p>1-N30-PC3-15-5-M-3-DFT-PI2BPSK-Outer_Full- 25@0-2305-2315-Ant1-20.11-23.98-PASS</p>
 <p>1-N30-PC3-15-5-H-1-DFT-PI2BPSK- Inner_1RB_Left-1@1-2307.5-2317.5-Ant1-21.50- 23.98-PASS</p>	 <p>1-N30-PC3-15-5-H-2-DFT-PI2BPSK- Inner_1RB_Right-1@23-2307.5-2317.5-Ant1-22.13- 23.98-PASS</p>

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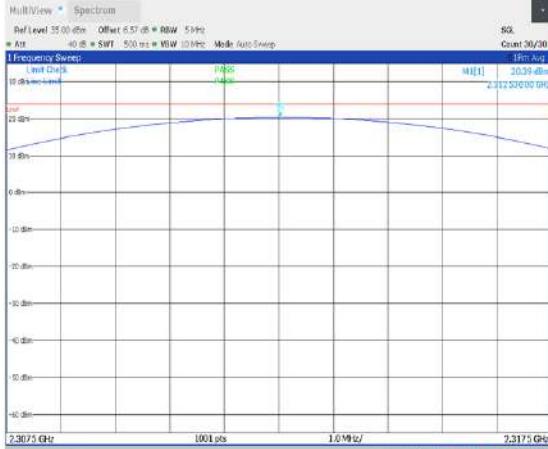
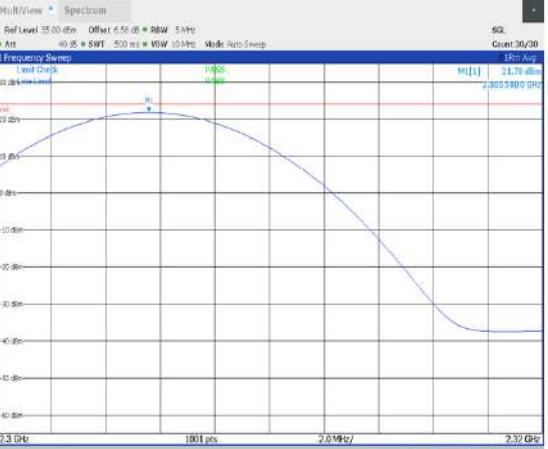
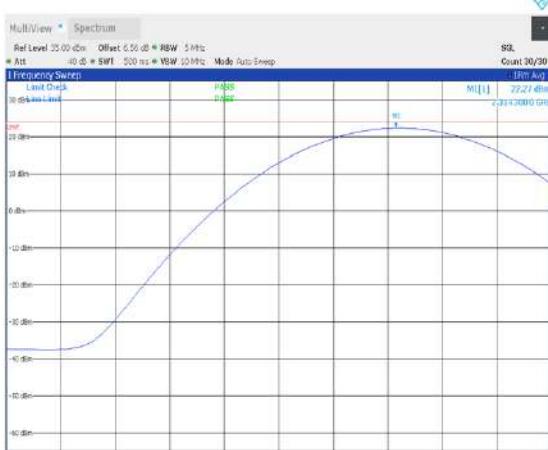
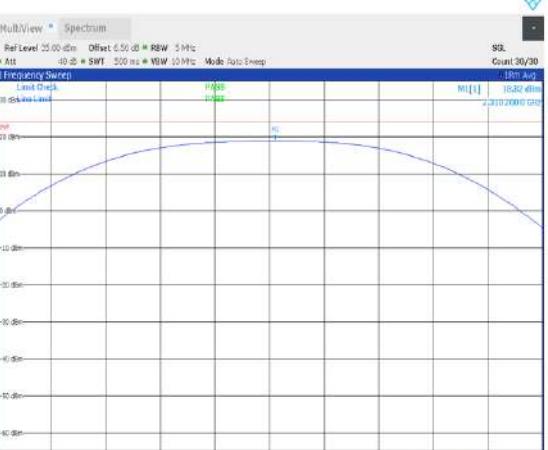


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 <p>1-N30-PC3-15-5-H-3-DFT-PI2BPSK-Outer_Full-25@0-2307.5-2317.5-Ant1-20.39-23.98-PASS</p>	 <p>1-N30-PC3-15-10-L-1-DFT-PI2BPSK- Inner_1RB_Left-1@1-2300-2320-Ant1-21.78-23.98- PASS</p>
 <p>1-N30-PC3-15-10-L-2-DFT-PI2BPSK- Inner_1RB_Right-1@50-2300-2320-Ant1-22.27- 23.98-PASS</p>	 <p>1-N30-PC3-15-10-L-3-DFT-PI2BPSK-Outer_Full- 50@0-2300-2320-Ant1-18.82-23.98-PASS</p>

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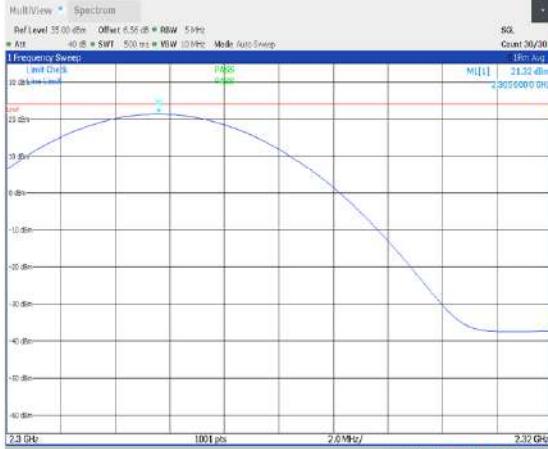
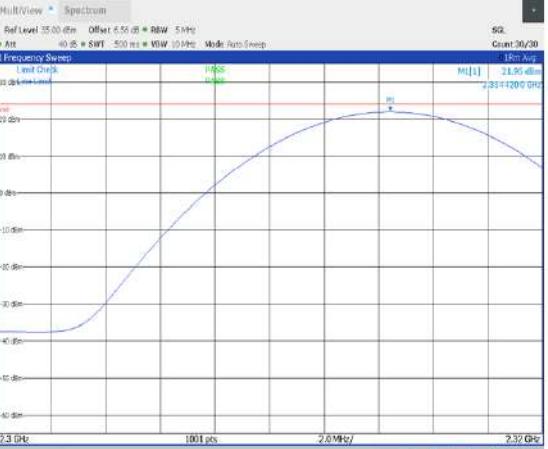
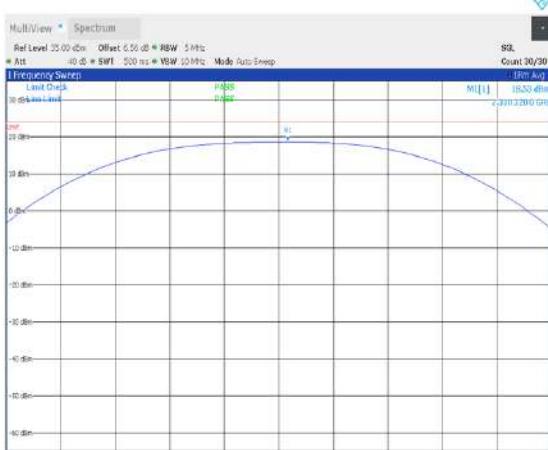
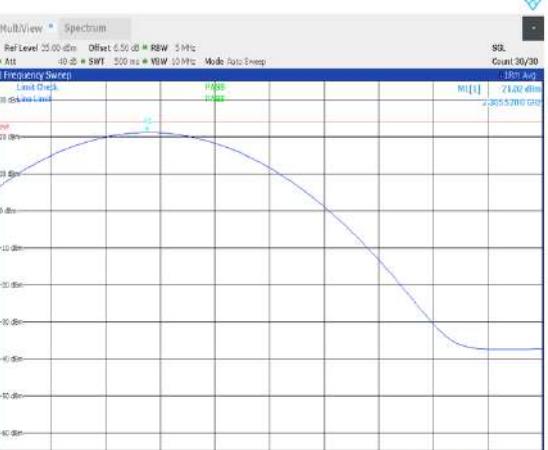


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 <p>1-N30-PC3-15-10-M-1-DFT-PI2BPSK- Inner_1RB_Left-1@1-2300-2320-Ant1-21.32-23.98- PASS</p>	 <p>1-N30-PC3-15-10-M-2-DFT-PI2BPSK- Inner_1RB_Right-1@50-2300-2320-Ant1-21.95- 23.98-PASS</p>
 <p>1-N30-PC3-15-10-M-3-DFT-PI2BPSK-Outer_Full- 50@0-2300-2320-Ant1-18.53-23.98-PASS</p>	 <p>1-N30-PC3-15-10-H-1-DFT-PI2BPSK- Inner_1RB_Left-1@1-2300-2320-Ant1-21.02-23.98- PASS</p>

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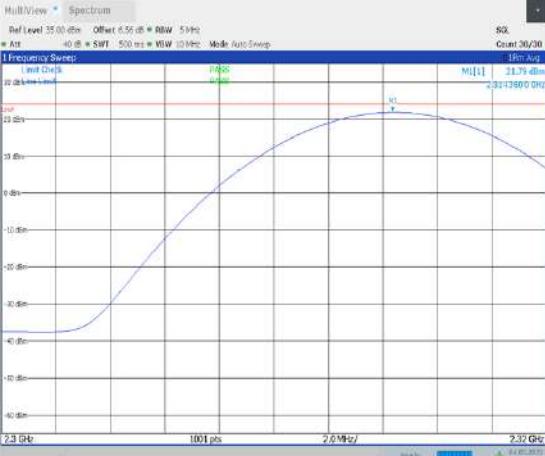
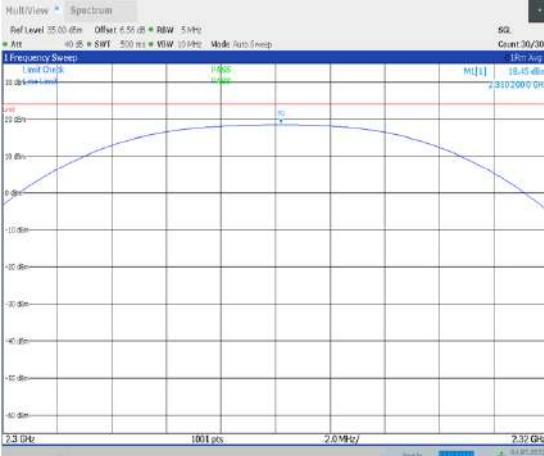
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1-N30-PC3-15-10-H-2-DFT-PI2BPSK- Inner_1RB_Right-1@50-2300-2320-Ant1-21.79- 23.98-PASS	1-N30-PC3-15-10-H-3-DFT-PI2BPSK-Outer_Full- 50@0-2300-2320-Ant1-18.45-23.98-PASS

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Peak-to-Average Ratio for SA

Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	DutyCycle	Factor	Result	Limit	Verdict
N30	15	10	DFT-256QAM	L	Outer_Full	100%	0.00	8.12	≤13	PASS
N30	15	10	CP-256QAM	L	Outer_Full	100%	0.00	9.30	≤13	PASS
N30	15	10	DFT-256QAM	M	Outer_Full	100%	0.00	8.10	≤13	PASS
N30	15	10	CP-256QAM	M	Outer_Full	100%	0.00	9.36	≤13	PASS
N30	15	10	DFT-256QAM	H	Outer_Full	100%	0.00	8.11	≤13	PASS
N30	15	10	CP-256QAM	H	Outer_Full	100%	0.00	9.36	≤13	PASS

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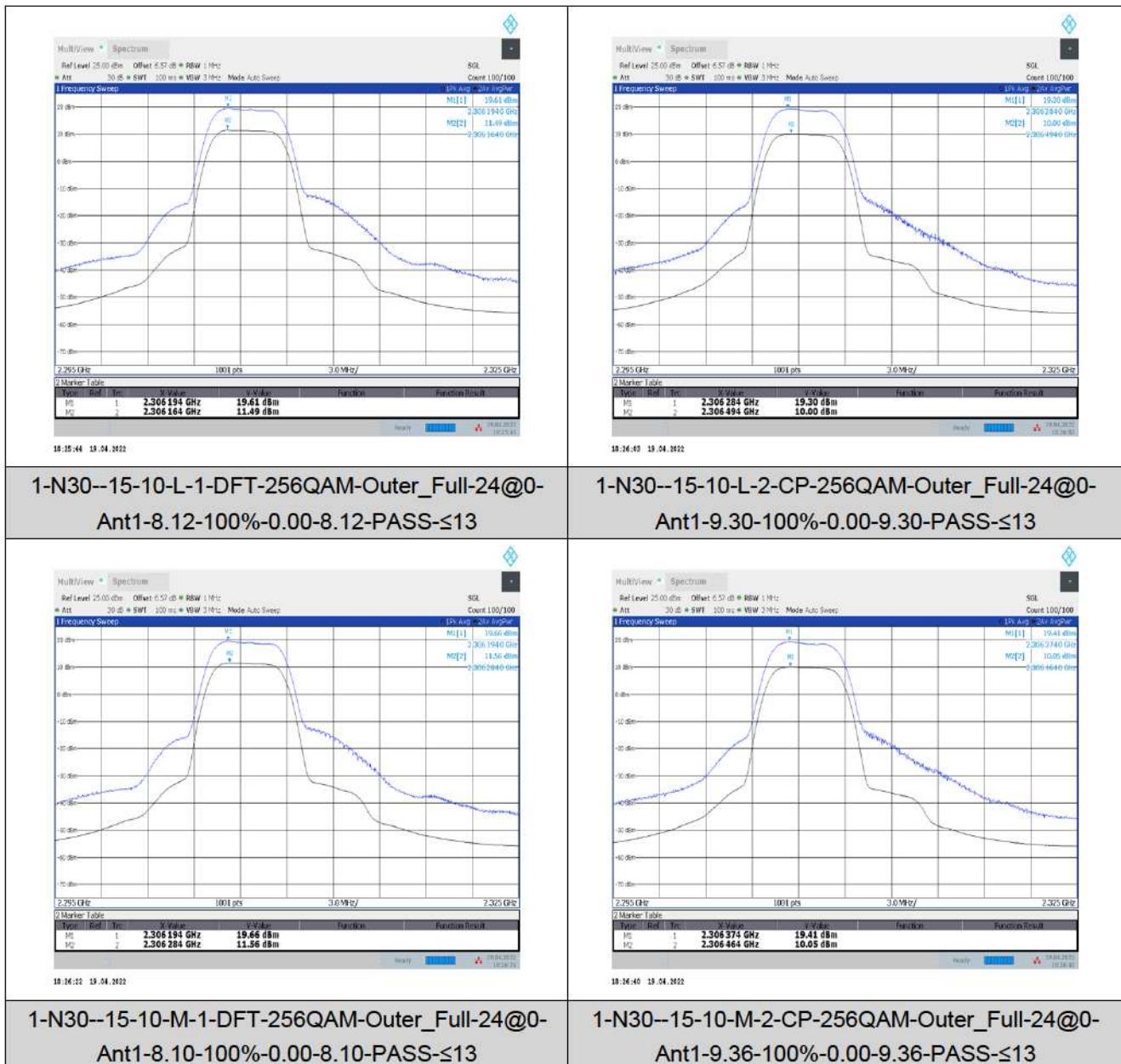


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Test Graphs



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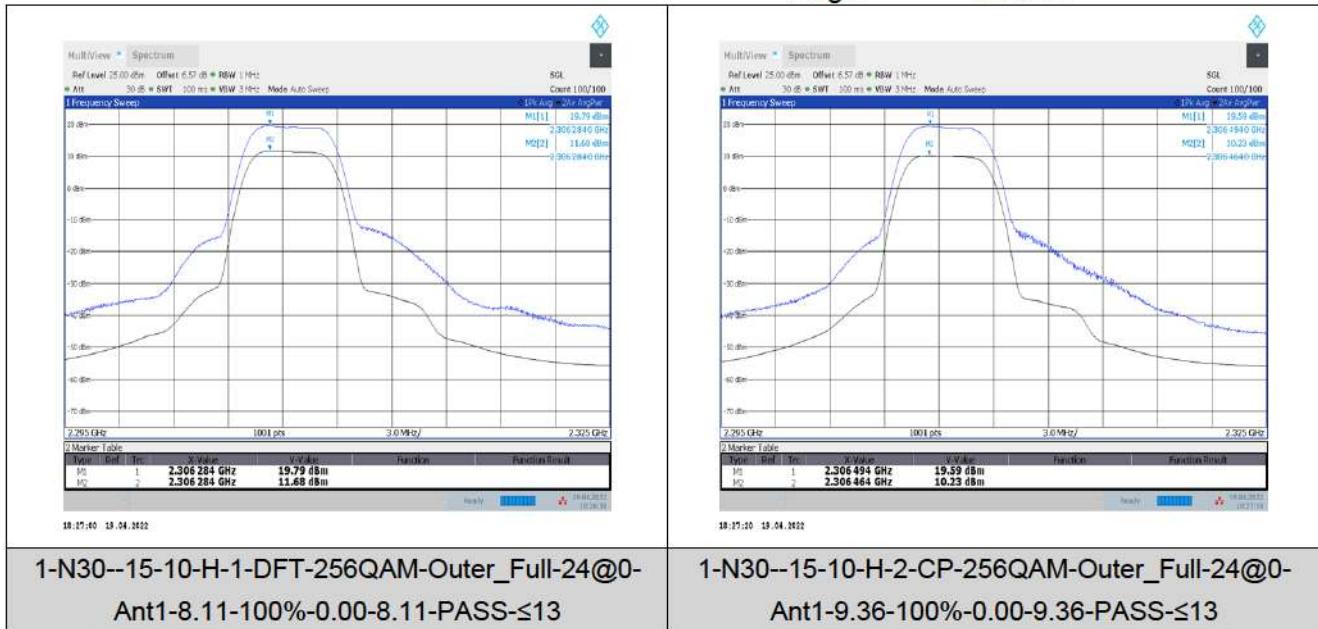
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26dB Bandwidth and Occupied Bandwidth for SA

Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result (99%)	Result (26dB)	Verdict
N30	15	5	DFT-QPSK	L	Outer_Full	4.495	5.170	PASS
N30	15	5	DFT-PI2BPSK	L	Outer_Full	4.475	5.030	PASS
N30	15	5	DFT-16QAM	L	Outer_Full	4.475	5.020	PASS
N30	15	5	DFT-64QAM	L	Outer_Full	4.503	5.070	PASS
N30	15	5	DFT-256QAM	L	Outer_Full	4.473	5.050	PASS
N30	15	5	CP-QPSK	L	Outer_Full	4.472	5.100	PASS
N30	15	5	CP-16QAM	L	Outer_Full	4.463	5.050	PASS
N30	15	5	CP-64QAM	L	Outer_Full	4.476	5.120	PASS
N30	15	5	CP-256QAM	L	Outer_Full	4.483	5.110	PASS
N30	15	5	DFT-QPSK	M	Outer_Full	4.491	5.160	PASS
N30	15	5	DFT-PI2BPSK	M	Outer_Full	4.463	5.060	PASS
N30	15	5	DFT-16QAM	M	Outer_Full	4.461	4.880	PASS
N30	15	5	DFT-64QAM	M	Outer_Full	4.473	4.990	PASS
N30	15	5	DFT-256QAM	M	Outer_Full	4.473	5.020	PASS
N30	15	5	CP-QPSK	M	Outer_Full	4.464	4.930	PASS
N30	15	5	CP-16QAM	M	Outer_Full	4.485	5.150	PASS
N30	15	5	CP-64QAM	M	Outer_Full	4.474	4.990	PASS
N30	15	5	CP-256QAM	M	Outer_Full	4.471	4.880	PASS
N30	15	5	DFT-QPSK	H	Outer_Full	4.488	5.130	PASS
N30	15	5	DFT-PI2BPSK	H	Outer_Full	4.457	4.950	PASS
N30	15	5	DFT-16QAM	H	Outer_Full	4.484	5.090	PASS
N30	15	5	DFT-64QAM	H	Outer_Full	4.481	5.080	PASS
N30	15	5	DFT-256QAM	H	Outer_Full	4.477	5.160	PASS
N30	15	5	CP-QPSK	H	Outer_Full	4.470	5.050	PASS
N30	15	5	CP-16QAM	H	Outer_Full	4.482	5.100	PASS
N30	15	5	CP-64QAM	H	Outer_Full	4.485	5.060	PASS
N30	15	5	CP-256QAM	H	Outer_Full	4.469	5.070	PASS
N30	15	10	DFT-QPSK	L	Outer_Full	8.922	9.680	PASS
N30	15	10	DFT-PI2BPSK	L	Outer_Full	8.937	9.860	PASS
N30	15	10	DFT-16QAM	L	Outer_Full	8.958	9.700	PASS

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N30	15	10	DFT-64QAM	L	Outer_Full	8.951	9.640	PASS
N30	15	10	DFT-256QAM	L	Outer_Full	8.954	9.620	PASS
N30	15	10	CP-QPSK	L	Outer_Full	9.321	10.220	PASS
N30	15	10	CP-16QAM	L	Outer_Full	9.308	10.120	PASS
N30	15	10	CP-64QAM	L	Outer_Full	9.319	10.080	PASS
N30	15	10	CP-256QAM	L	Outer_Full	9.313	10.100	PASS
N30	15	10	DFT-QPSK	M	Outer_Full	8.933	9.620	PASS
N30	15	10	DFT-PI2BPSK	M	Outer_Full	8.919	9.360	PASS
N30	15	10	DFT-16QAM	M	Outer_Full	8.962	9.540	PASS
N30	15	10	DFT-64QAM	M	Outer_Full	8.947	9.660	PASS
N30	15	10	DFT-256QAM	M	Outer_Full	8.946	9.580	PASS
N30	15	10	CP-QPSK	M	Outer_Full	9.311	10.040	PASS
N30	15	10	CP-16QAM	M	Outer_Full	9.312	10.020	PASS
N30	15	10	CP-64QAM	M	Outer_Full	9.306	10.180	PASS
N30	15	10	CP-256QAM	M	Outer_Full	9.306	10.100	PASS
N30	15	10	DFT-QPSK	H	Outer_Full	8.965	9.580	PASS
N30	15	10	DFT-PI2BPSK	H	Outer_Full	8.945	9.780	PASS
N30	15	10	DFT-16QAM	H	Outer_Full	8.962	9.680	PASS
N30	15	10	DFT-64QAM	H	Outer_Full	8.957	9.680	PASS
N30	15	10	DFT-256QAM	H	Outer_Full	8.955	9.580	PASS
N30	15	10	CP-QPSK	H	Outer_Full	9.326	10.180	PASS
N30	15	10	CP-16QAM	H	Outer_Full	9.328	10.040	PASS
N30	15	10	CP-64QAM	H	Outer_Full	9.317	10.180	PASS
N30	15	10	CP-256QAM	H	Outer_Full	9.303	10.100	PASS

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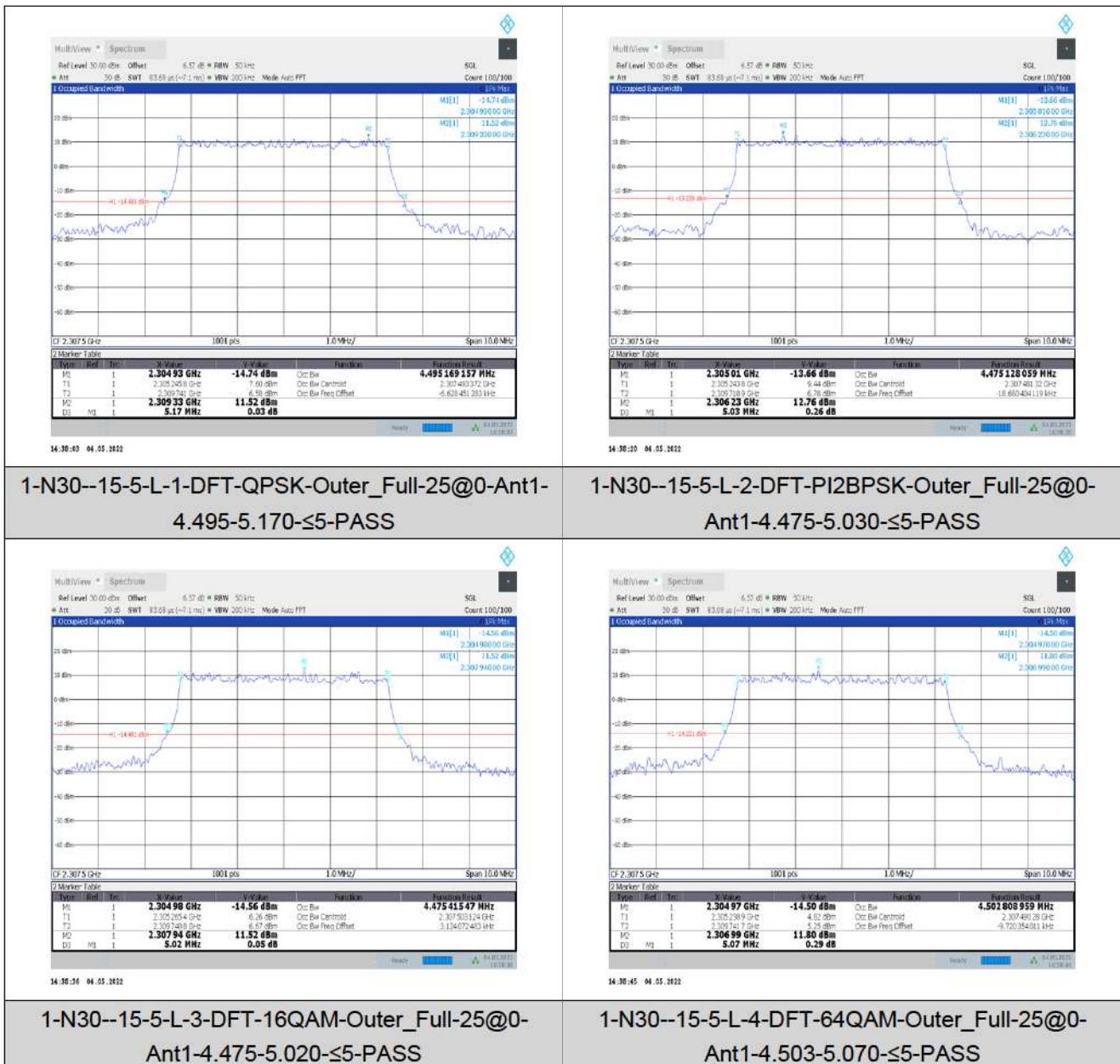
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Test Graphs



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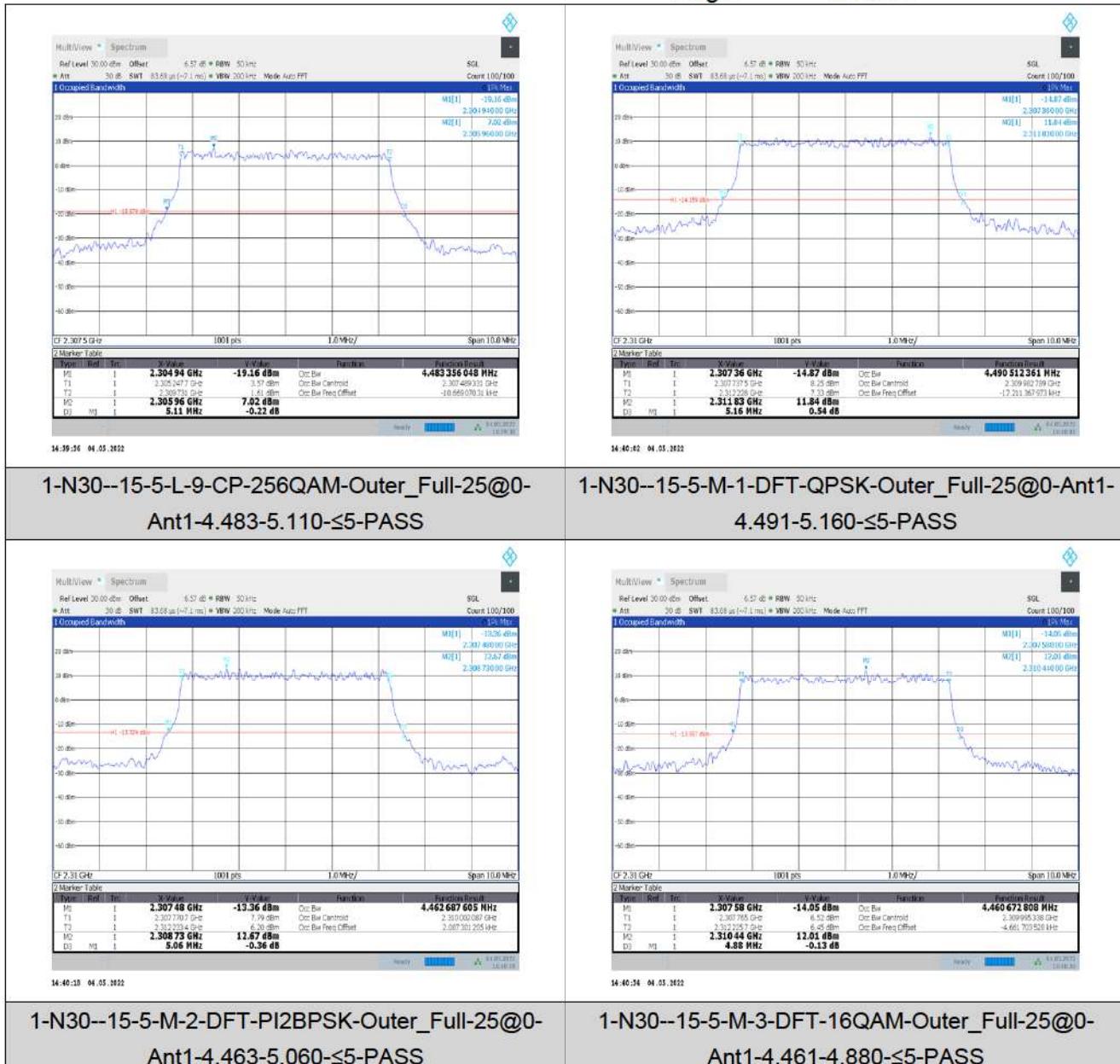
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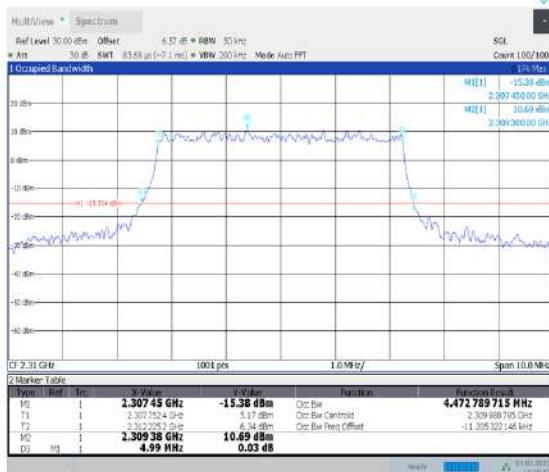
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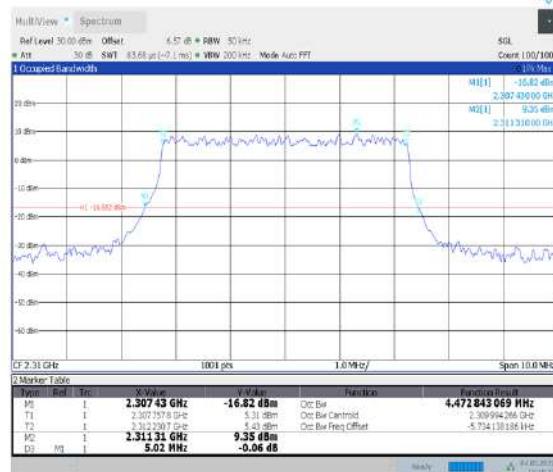
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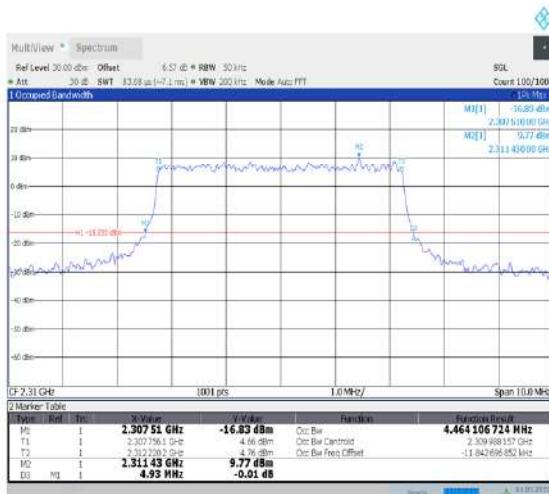
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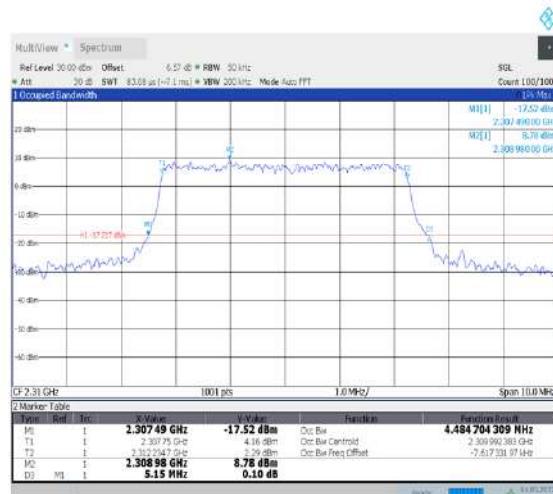
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4 464-4 930-<5-PASS



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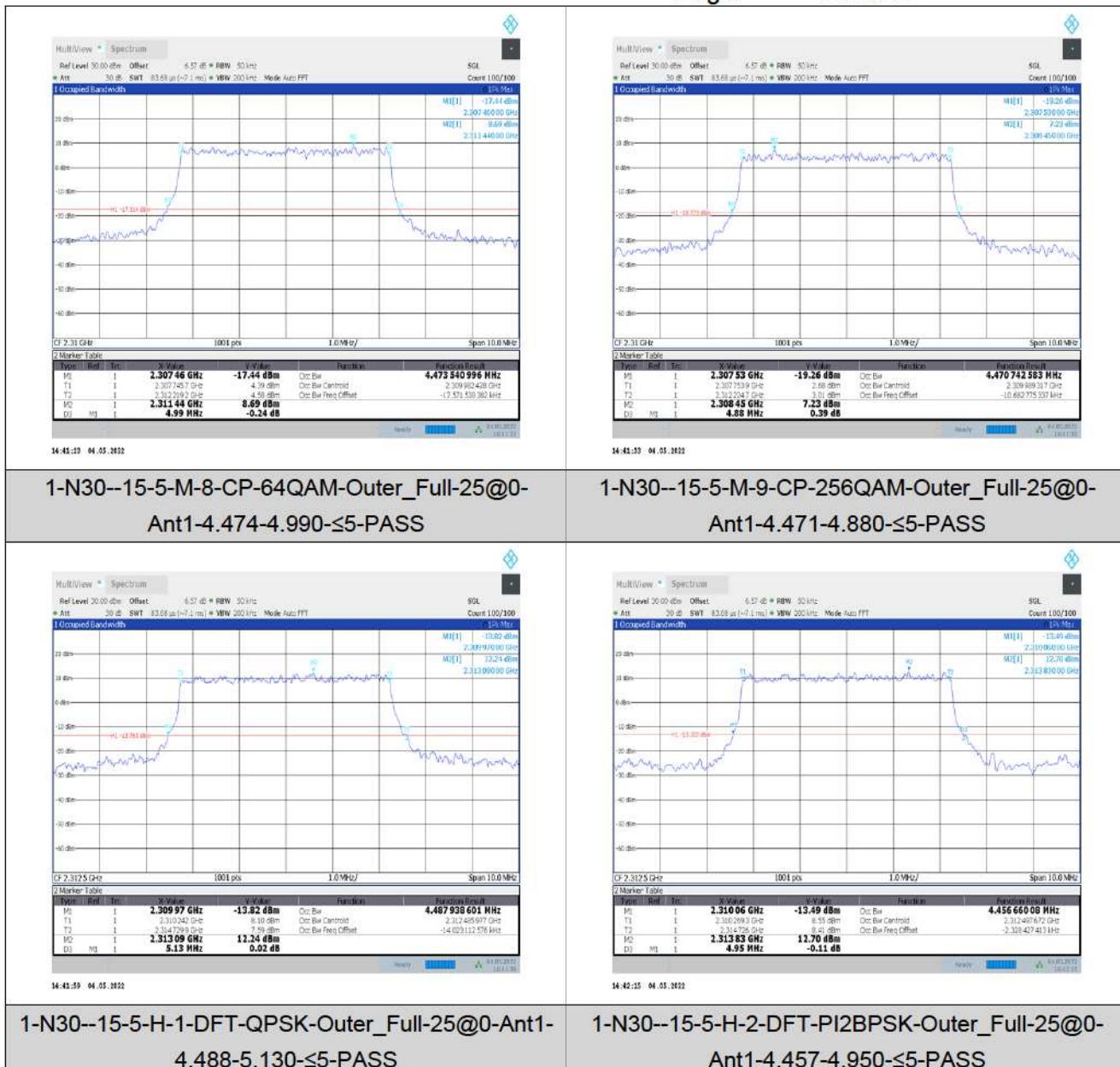
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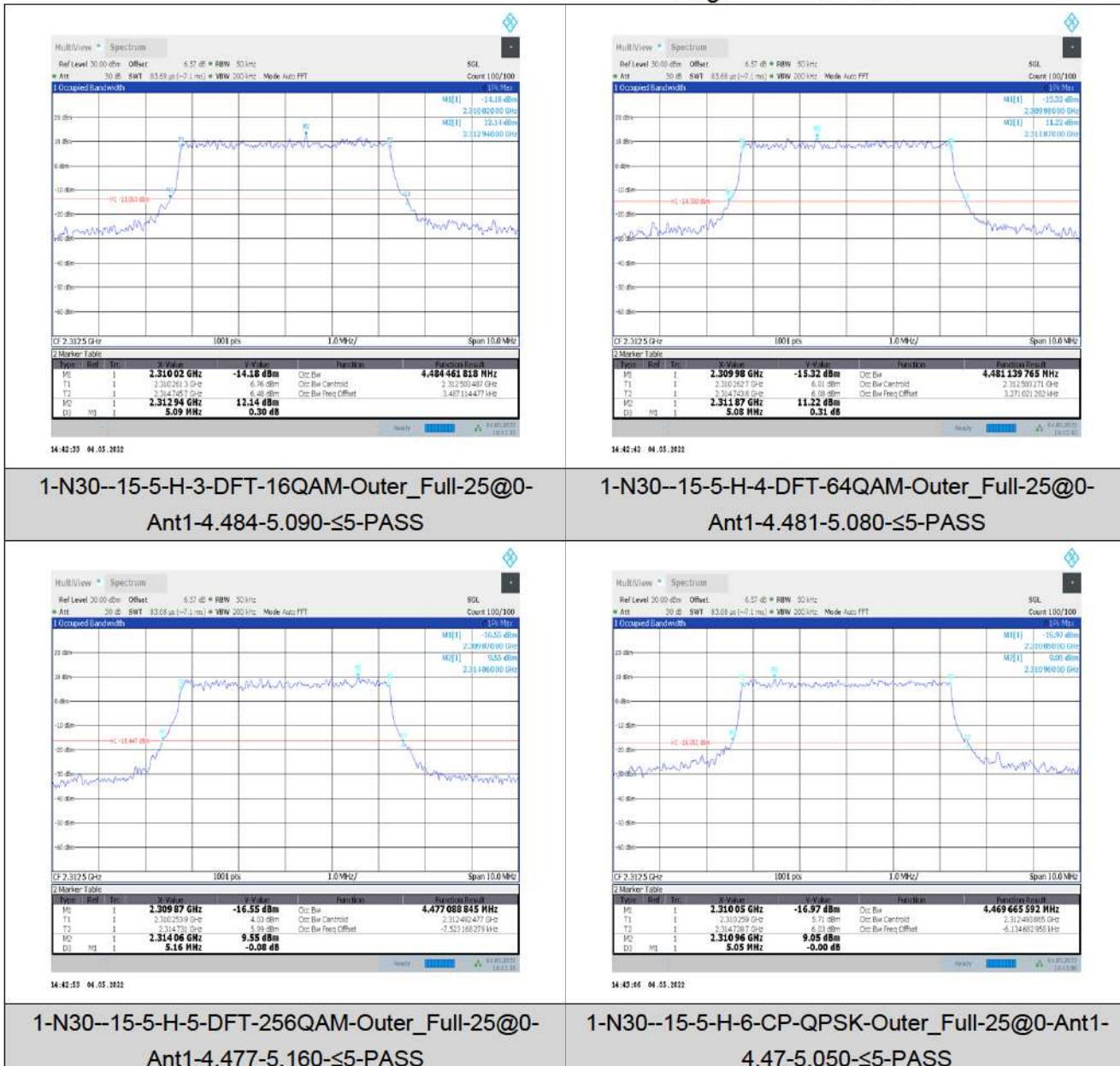
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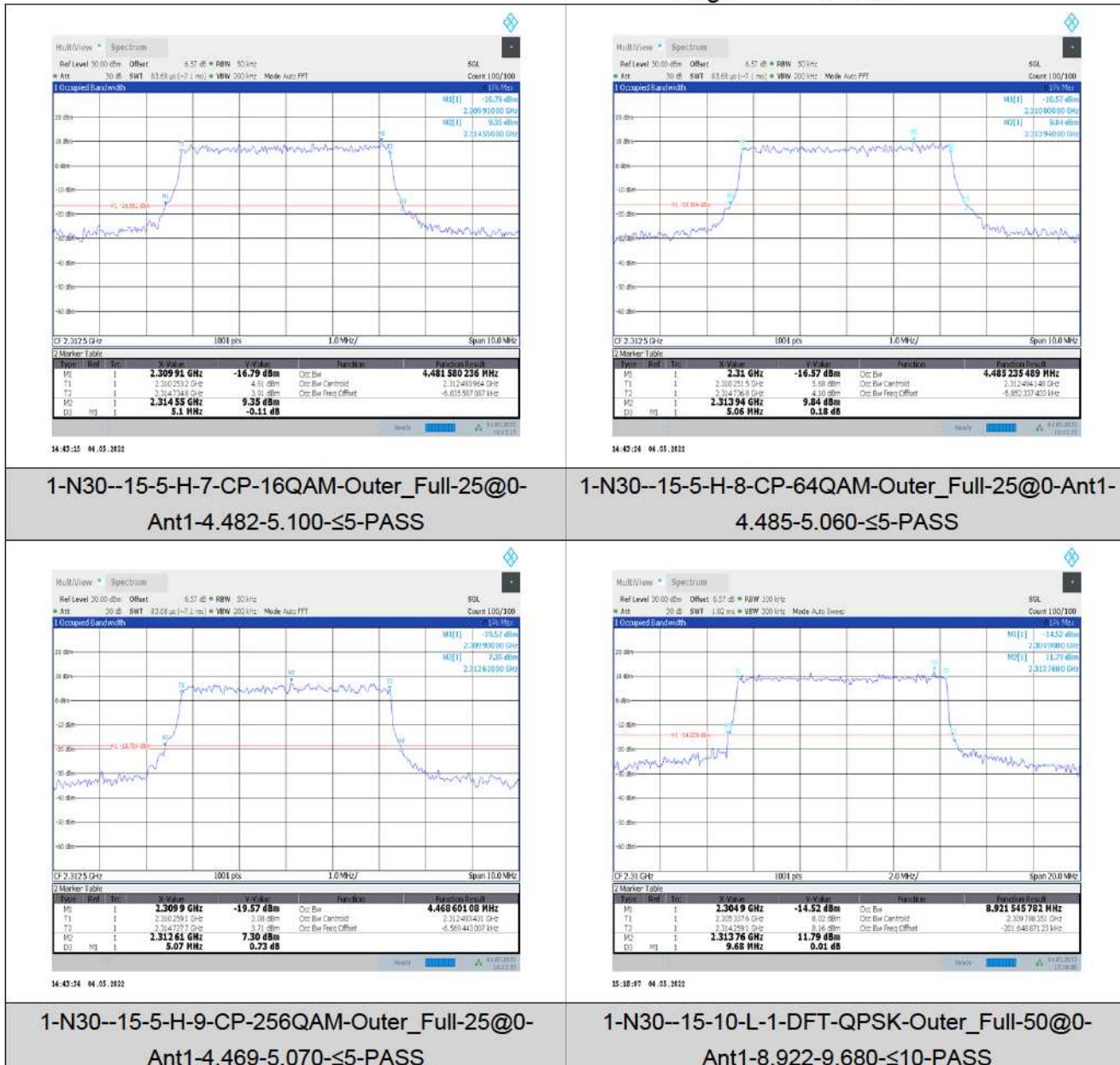
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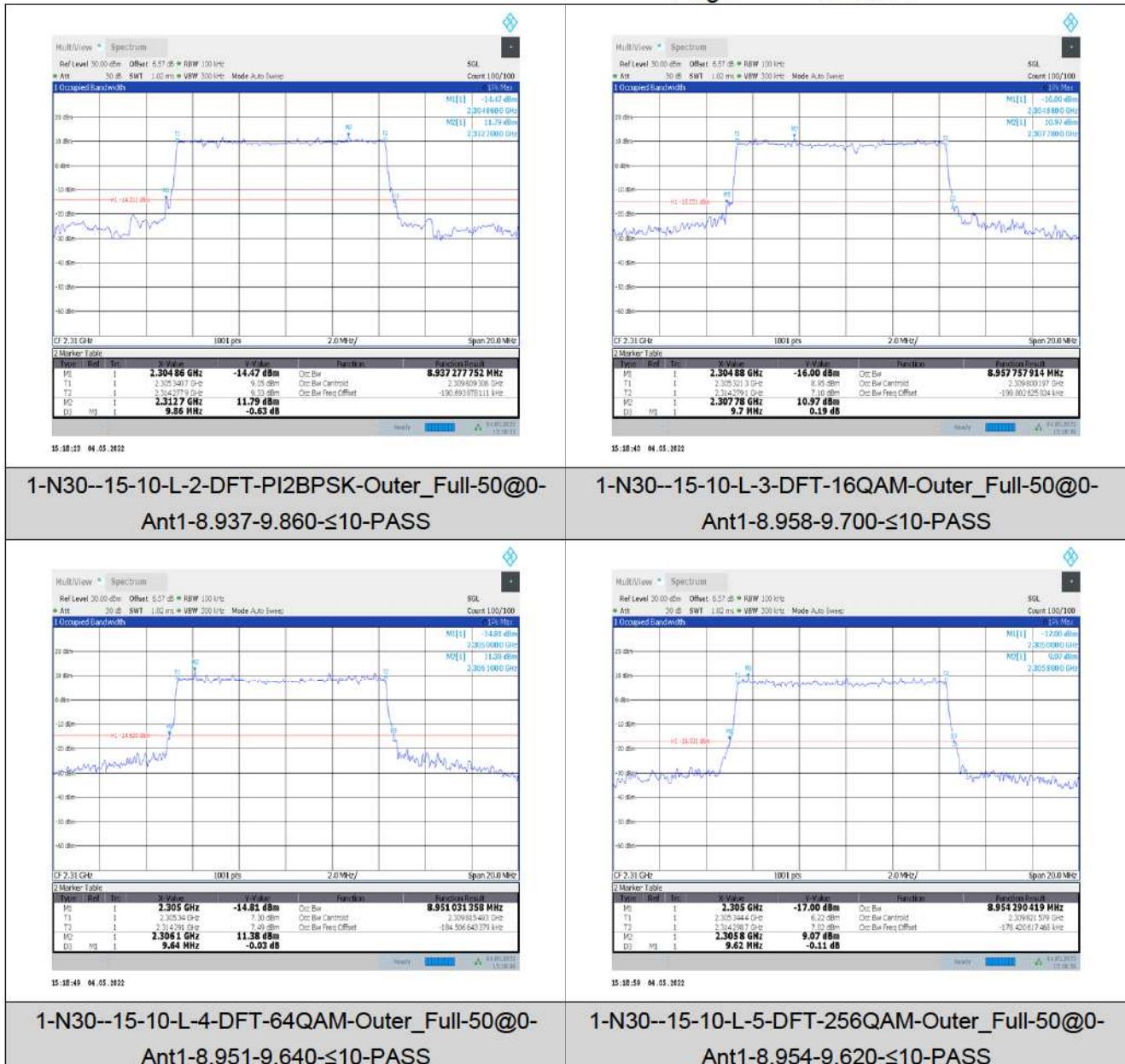
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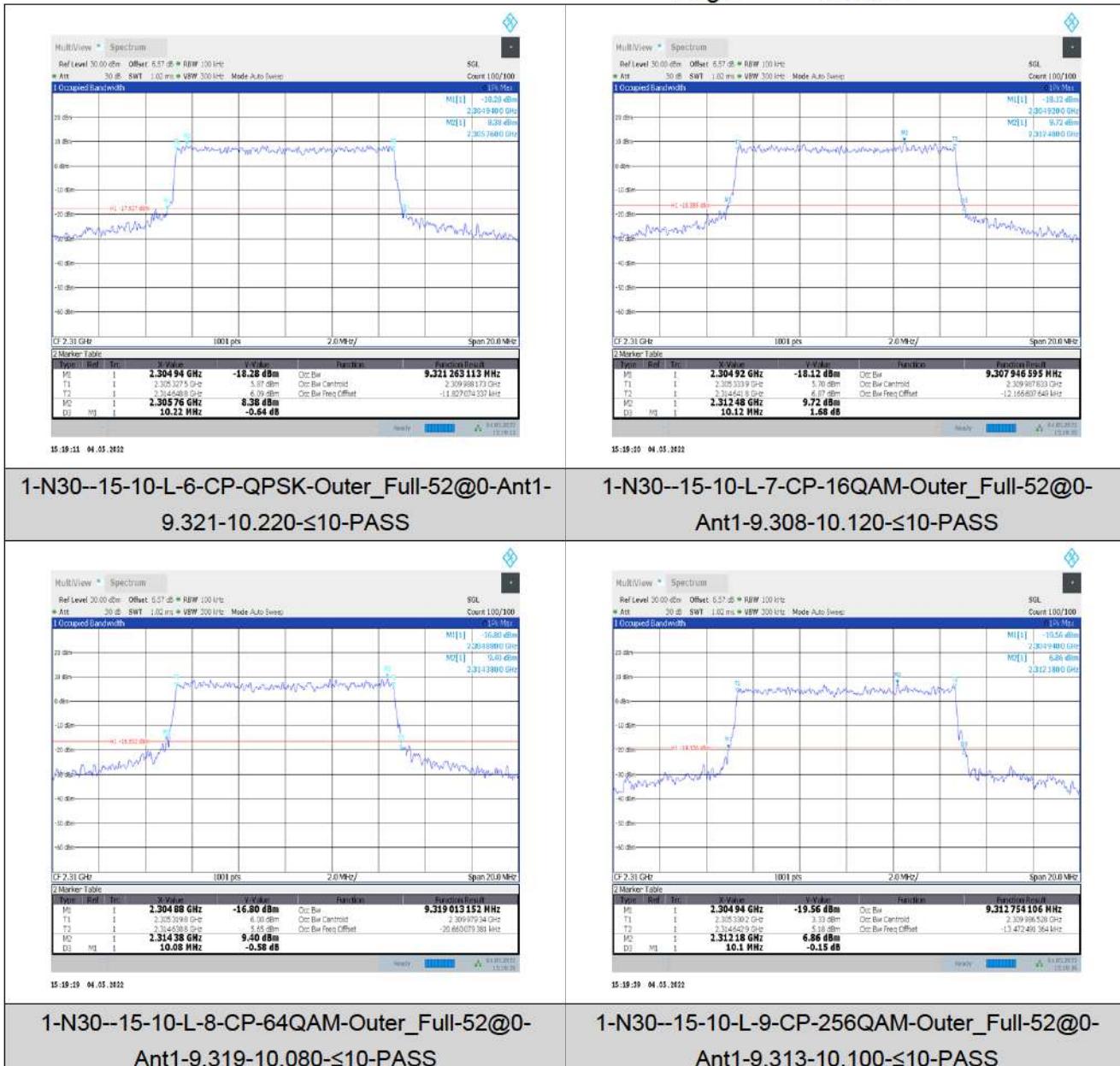
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