

Report No.: SEWM2304000122RG02  
Rev.: 01  
Page: 1 of 42

# Appendix B.33

## NR Band n14

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

South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000  
中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南部 邮编: 215000

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Report No.: SEWM2304000122RG02  
Rev.: 01  
Page: 2 of 42

## Effective (Isotropic) Radiated Power Output Data for SA

### Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Power (dBm)	ERP (dBm)	LimitdBm )	Verdict
N14	15	5	DFT-PI2BPSK	L	Inner_1RB_Left	24.11	24.38	34.77	PASS
N14	15	5	DFT-PI2BPSK	L	Inner_1RB_Right	24.24	24.51	34.77	PASS
N14	15	5	DFT-PI2BPSK	L	Outer_Full	23.74	24.01	34.77	PASS
N14	15	5	DFT-QPSK	L	Inner_1RB_Left	23.93	24.2	34.77	PASS
N14	15	5	DFT-QPSK	L	Inner_1RB_Right	24.07	24.34	34.77	PASS
N14	15	5	DFT-QPSK	L	Outer_Full	23.22	23.49	34.77	PASS
N14	15	5	DFT-16QAM	L	Inner_1RB_Left	23.01	23.28	34.77	PASS
N14	15	5	DFT-16QAM	L	Inner_1RB_Right	23.13	23.4	34.77	PASS
N14	15	5	DFT-16QAM	L	Outer_Full	22.26	22.53	34.77	PASS
N14	15	5	DFT-64QAM	L	Inner_1RB_Left	21.84	22.11	34.77	PASS
N14	15	5	DFT-64QAM	L	Inner_1RB_Right	21.84	22.11	34.77	PASS
N14	15	5	DFT-64QAM	L	Outer_Full	21.75	22.02	34.77	PASS
N14	15	5	DFT-256QAM	L	Inner_1RB_Left	19.12	19.39	34.77	PASS
N14	15	5	DFT-256QAM	L	Inner_1RB_Right	19.18	19.45	34.77	PASS
N14	15	5	DFT-256QAM	L	Outer_Full	19.65	19.92	34.77	PASS
N14	15	5	DFT-PI2BPSK	M	Inner_1RB_Left	24.23	24.5	34.77	PASS
N14	15	5	DFT-PI2BPSK	M	Inner_1RB_Right	24.17	24.44	34.77	PASS
N14	15	5	DFT-PI2BPSK	M	Outer_Full	23.66	23.93	34.77	PASS
N14	15	5	DFT-QPSK	M	Inner_1RB_Left	24.14	24.41	34.77	PASS
N14	15	5	DFT-QPSK	M	Inner_1RB_Right	24.05	24.32	34.77	PASS
N14	15	5	DFT-QPSK	M	Outer_Full	23.13	23.4	34.77	PASS
N14	15	5	DFT-16QAM	M	Inner_1RB_Left	23.18	23.45	34.77	PASS
N14	15	5	DFT-16QAM	M	Inner_1RB_Right	23.08	23.35	34.77	PASS
N14	15	5	DFT-16QAM	M	Outer_Full	22.27	22.54	34.77	PASS
N14	15	5	DFT-64QAM	M	Inner_1RB_Left	21.99	22.26	34.77	PASS
N14	15	5	DFT-64QAM	M	Inner_1RB_Right	21.88	22.15	34.77	PASS
N14	15	5	DFT-64QAM	M	Outer_Full	21.72	21.99	34.77	PASS
N14	15	5	DFT-256QAM	M	Inner_1RB_Left	19.2	19.47	34.77	PASS
N14	15	5	DFT-256QAM	M	Inner_1RB_Right	19.17	19.44	34.77	PASS
N14	15	5	DFT-256QAM	M	Outer_Full	19.6	19.87	34.77	PASS
N14	15	5	DFT-PI2BPSK	H	Inner_1RB_Left	24.18	24.45	34.77	PASS
N14	15	5	DFT-PI2BPSK	H	Inner_1RB_Right	24.27	24.54	34.77	PASS

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t (86-512) 62992980 [www.sgsgroup.com.cn](http://www.sgsgroup.com.cn)  
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Report No.: SEWM2304000122RG02

Rev.: 01

Page: 3 of 42

N14	15	5	DFT-PI2BPSK	H	Outer_Full	23.67	23.94	34.77	PASS
N14	15	5	DFT-QPSK	H	Inner_1RB_Left	24.16	24.43	34.77	PASS
N14	15	5	DFT-QPSK	H	Inner_1RB_Right	24.11	24.38	34.77	PASS
N14	15	5	DFT-QPSK	H	Outer_Full	23.21	23.48	34.77	PASS
N14	15	5	DFT-16QAM	H	Inner_1RB_Left	23.21	23.48	34.77	PASS
N14	15	5	DFT-16QAM	H	Inner_1RB_Right	23.18	23.45	34.77	PASS
N14	15	5	DFT-16QAM	H	Outer_Full	22.27	22.54	34.77	PASS
N14	15	5	DFT-64QAM	H	Inner_1RB_Left	21.85	22.12	34.77	PASS
N14	15	5	DFT-64QAM	H	Inner_1RB_Right	21.98	22.25	34.77	PASS
N14	15	5	DFT-64QAM	H	Outer_Full	21.64	21.91	34.77	PASS
N14	15	5	DFT-256QAM	H	Inner_1RB_Left	19.2	19.47	34.77	PASS
N14	15	5	DFT-256QAM	H	Inner_1RB_Right	19.22	19.49	34.77	PASS
N14	15	5	DFT-256QAM	H	Outer_Full	19.56	19.83	34.77	PASS
N14	15	10	DFT-PI2BPSK	L	Inner_1RB_Left	24.13	24.4	34.77	PASS
N14	15	10	DFT-PI2BPSK	L	Inner_1RB_Right	24.27	24.54	34.77	PASS
N14	15	10	DFT-PI2BPSK	L	Outer_Full	23.73	24	34.77	PASS
N14	15	10	DFT-QPSK	L	Inner_1RB_Left	24.02	24.29	34.77	PASS
N14	15	10	DFT-QPSK	L	Inner_1RB_Right	24.15	24.42	34.77	PASS
N14	15	10	DFT-QPSK	L	Outer_Full	23.18	23.45	34.77	PASS
N14	15	10	DFT-16QAM	L	Inner_1RB_Left	23.01	23.28	34.77	PASS
N14	15	10	DFT-16QAM	L	Inner_1RB_Right	23.2	23.47	34.77	PASS
N14	15	10	DFT-16QAM	L	Outer_Full	22.18	22.45	34.77	PASS
N14	15	10	DFT-64QAM	L	Inner_1RB_Left	21.83	22.1	34.77	PASS
N14	15	10	DFT-64QAM	L	Inner_1RB_Right	21.95	22.22	34.77	PASS
N14	15	10	DFT-64QAM	L	Outer_Full	21.74	22.01	34.77	PASS
N14	15	10	DFT-256QAM	L	Inner_1RB_Left	19.56	19.83	34.77	PASS
N14	15	10	DFT-256QAM	L	Inner_1RB_Right	19.44	19.71	34.77	PASS
N14	15	10	DFT-256QAM	L	Outer_Full	19.63	19.9	34.77	PASS
N14	15	10	DFT-PI2BPSK	M	Inner_1RB_Left	24.23	24.5	34.77	PASS
N14	15	10	DFT-PI2BPSK	M	Inner_1RB_Right	24.24	24.51	34.77	PASS
N14	15	10	DFT-PI2BPSK	M	Outer_Full	23.64	23.91	34.77	PASS
N14	15	10	DFT-QPSK	M	Inner_1RB_Left	24.12	24.39	34.77	PASS
N14	15	10	DFT-QPSK	M	Inner_1RB_Right	24.32	24.59	34.77	PASS
N14	15	10	DFT-QPSK	M	Outer_Full	23.22	23.49	34.77	PASS
N14	15	10	DFT-16QAM	M	Inner_1RB_Left	23.16	23.43	34.77	PASS
N14	15	10	DFT-16QAM	M	Inner_1RB_Right	23.22	23.49	34.77	PASS
N14	15	10	DFT-16QAM	M	Outer_Full	22.28	22.55	34.77	PASS
N14	15	10	DFT-64QAM	M	Inner_1RB_Left	21.76	22.03	34.77	PASS

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Report No.: SEWM2304000122RG02

Rev.: 01

Page: 4 of 42

N14	15	10	DFT-64QAM	M	Inner_1RB_Right	21.86	22.13	34.77	PASS
N14	15	10	DFT-64QAM	M	Outer_Full	21.64	21.91	34.77	PASS
N14	15	10	DFT-256QAM	M	Inner_1RB_Left	19.55	19.82	34.77	PASS
N14	15	10	DFT-256QAM	M	Inner_1RB_Right	19.53	19.8	34.77	PASS
N14	15	10	DFT-256QAM	M	Outer_Full	19.34	19.61	34.77	PASS
N14	15	10	DFT-PI2BPSK	H	Inner_1RB_Left	24.22	24.49	34.77	PASS
N14	15	10	DFT-PI2BPSK	H	Inner_1RB_Right	24.36	24.63	34.77	PASS
N14	15	10	DFT-PI2BPSK	H	Outer_Full	23.23	23.5	34.77	PASS
N14	15	10	DFT-QPSK	H	Inner_1RB_Left	24.22	24.49	34.77	PASS
N14	15	10	DFT-QPSK	H	Inner_1RB_Right	24.41	24.68	34.77	PASS
N14	15	10	DFT-QPSK	H	Outer_Full	23.32	23.59	34.77	PASS
N14	15	10	DFT-16QAM	H	Inner_1RB_Left	23.26	23.53	34.77	PASS
N14	15	10	DFT-16QAM	H	Inner_1RB_Right	23.22	23.49	34.77	PASS
N14	15	10	DFT-16QAM	H	Outer_Full	22.41	22.68	34.77	PASS
N14	15	10	DFT-64QAM	H	Inner_1RB_Left	21.79	22.06	34.77	PASS
N14	15	10	DFT-64QAM	H	Inner_1RB_Right	21.64	21.91	34.77	PASS
N14	15	10	DFT-64QAM	H	Outer_Full	21.55	21.82	34.77	PASS
N14	15	10	DFT-256QAM	H	Inner_1RB_Left	19.36	19.63	34.77	PASS
N14	15	10	DFT-256QAM	H	Inner_1RB_Right	19.42	19.69	34.77	PASS
N14	15	10	DFT-256QAM	H	Outer_Full	19.55	19.82	34.77	PASS

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Report No.: SEWM2304000122RG02  
Rev.: 01  
Page: 5 of 42

## Peak-to-Average Ratio for SA

### Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	DutyCycle	Factor	Result	Limit	Verdict
N14	15	10	DFT-256QAM	L	Outer_Full	100%	0.00	8.90	≤13	PASS
N14	15	10	CP-256QAM	L	Outer_Full	100%	0.00	9.40	≤13	PASS
N14	15	10	DFT-256QAM	M	Outer_Full	100%	0.00	8.79	≤13	PASS
N14	15	10	CP-256QAM	M	Outer_Full	100%	0.00	9.39	≤13	PASS
N14	15	10	DFT-256QAM	H	Outer_Full	100%	0.00	8.81	≤13	PASS
N14	15	10	CP-256QAM	H	Outer_Full	100%	0.00	9.40	≤13	PASS

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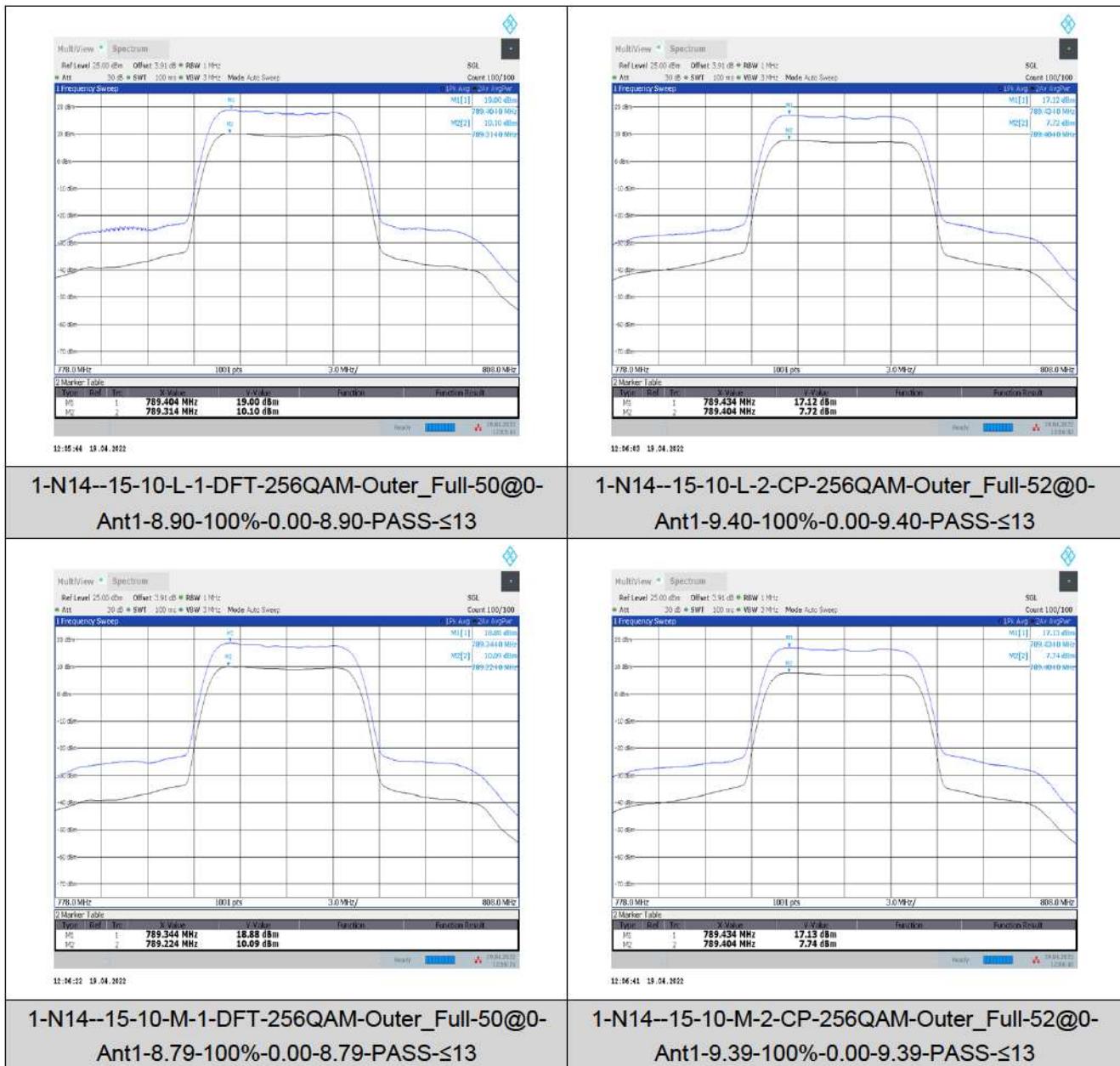


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Report No.: SEWM2304000122RG02  
 Rev.: 01  
 Page: 6 of 42

## Test Graphs



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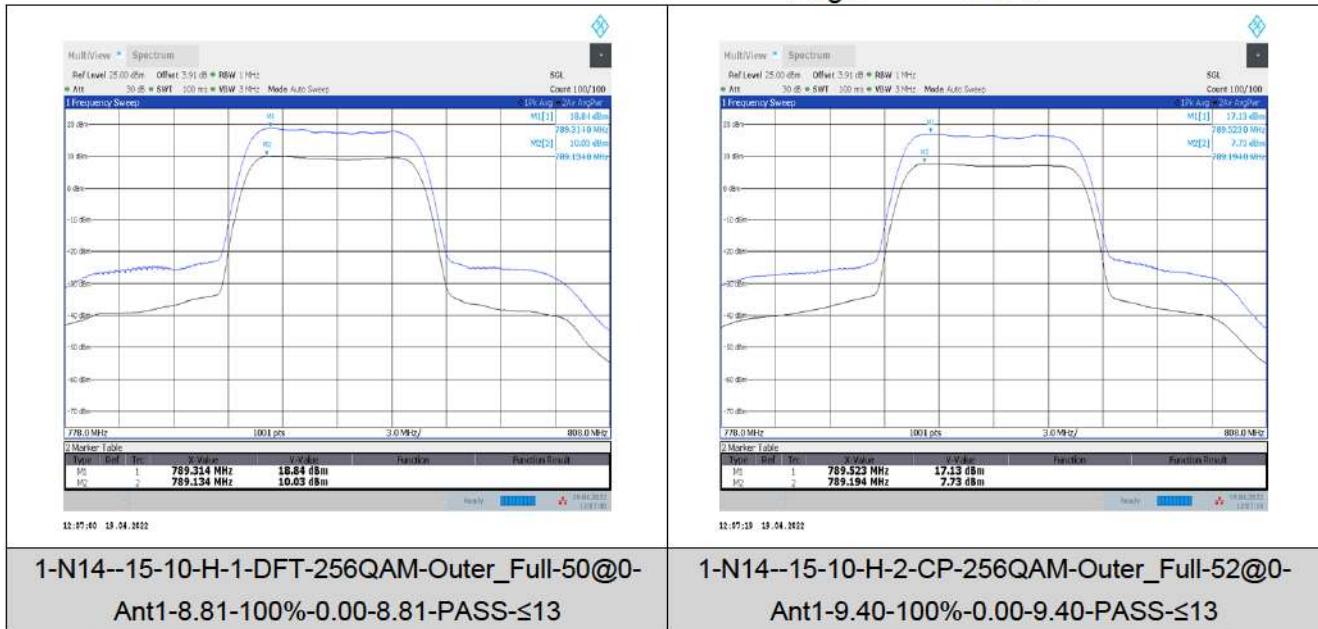
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Rev.: 01  
Page: 7 of 42



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Report No.: SEWM2304000122RG02  
Rev.: 01  
Page: 8 of 42

## Modulation characteristics for SA

### Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result	Verdict
N14	15	10	DFT-PI2BPSK	M	Outer_Full	see graph	PASS
N14	15	10	DFT-QPSK	M	Outer_Full	see graph	PASS
N14	15	10	DFT-16QAM	M	Outer_Full	see graph	PASS
N14	15	10	DFT-64QAM	M	Outer_Full	see graph	PASS
N14	15	10	DFT-256QAM	M	Outer_Full	see graph	PASS
N14	15	10	CP-QPSK	M	Outer_Full	see graph	PASS
N14	15	10	CP-16QAM	M	Outer_Full	see graph	PASS
N14	15	10	CP-64QAM	M	Outer_Full	see graph	PASS
N14	15	10	CP-256QAM	M	Outer_Full	see graph	PASS

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 Rev.: 01  
 Page: 9 of 42

## Test Graphs

<p>1-N14-PC3-15-10-M-1-DFT-PI2BPSK-Outer_Full-50@0-Ant1-see graph-PASS</p>	<p>1-N14-PC3-15-10-M-2-DFT-QPSK-Outer_Full-50@0-Ant1-see graph-PASS</p>
<p>1-N14-PC3-15-10-M-3-DFT-16QAM-Outer_Full-50@0-Ant1-see graph-PASS</p>	<p>1-N14-PC3-15-10-M-4-DFT-64QAM-Outer_Full-50@0-Ant1-see graph-PASS</p>

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 Rev.: 01  
 Page: 10 of 42

<b>1-N14-PC3-15-10-M-5-DFT-256QAM-Outer_Full-50@0-Ant1-see graph-PASS</b>	<b>1-N14-PC3-15-10-M-6-CP-QPSK-Outer_Full-52@0-Ant1-see graph-PASS</b>
<b>1-N14-PC3-15-10-M-7-CP-16QAM-Outer_Full-52@0-Ant1-see graph-PASS</b>	<b>1-N14-PC3-15-10-M-8-CP-64QAM-Outer_Full-52@0-Ant1-see graph-PASS</b>

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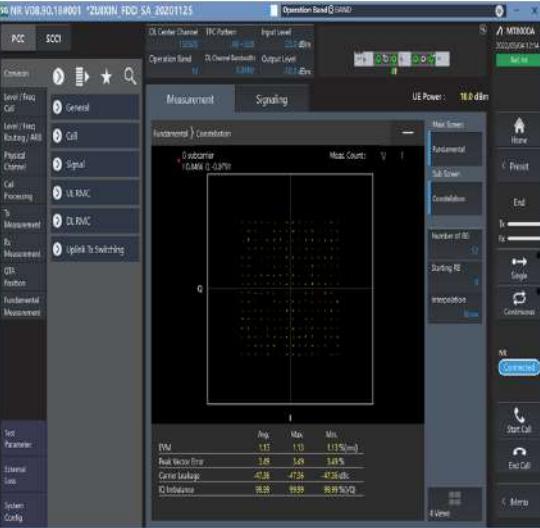
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Rev.: 01  
Page: 11 of 42

	
1-N14-PC3-15-10-M-9-CP-256QAM-Outer_Full-52@0-Ant1-see graph-PASS	

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Rev.: 01  
Page: 12 of 42

## 26dB Bandwidth and Occupied Bandwidth for SA

### Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result (99%)	Result (26dB)	Verdict
N14	15	5	DFT-QPSK	L	Outer_Full	4.486	4.990	PASS
N14	15	5	DFT-PI2BPSK	L	Outer_Full	4.474	5.100	PASS
N14	15	5	DFT-16QAM	L	Outer_Full	4.476	5.060	PASS
N14	15	5	DFT-64QAM	L	Outer_Full	4.482	5.090	PASS
N14	15	5	DFT-256QAM	L	Outer_Full	4.482	5.110	PASS
N14	15	5	CP-QPSK	L	Outer_Full	4.47	5.060	PASS
N14	15	5	CP-16QAM	L	Outer_Full	4.494	5.190	PASS
N14	15	5	CP-64QAM	L	Outer_Full	4.495	5.240	PASS
N14	15	5	CP-256QAM	L	Outer_Full	4.491	5.160	PASS
N14	15	5	DFT-QPSK	M	Outer_Full	4.483	5.010	PASS
N14	15	5	DFT-PI2BPSK	M	Outer_Full	4.493	5.160	PASS
N14	15	5	DFT-16QAM	M	Outer_Full	4.485	5.080	PASS
N14	15	5	DFT-64QAM	M	Outer_Full	4.49	5.170	PASS
N14	15	5	DFT-256QAM	M	Outer_Full	4.492	5.140	PASS
N14	15	5	CP-QPSK	M	Outer_Full	4.483	5.180	PASS
N14	15	5	CP-16QAM	M	Outer_Full	4.479	5.090	PASS
N14	15	5	CP-64QAM	M	Outer_Full	4.483	5.200	PASS
N14	15	5	CP-256QAM	M	Outer_Full	4.501	5.250	PASS
N14	15	5	DFT-QPSK	H	Outer_Full	4.472	4.930	PASS
N14	15	5	DFT-PI2BPSK	H	Outer_Full	4.493	5.160	PASS
N14	15	5	DFT-16QAM	H	Outer_Full	4.472	5.050	PASS
N14	15	5	DFT-64QAM	H	Outer_Full	4.476	5.110	PASS
N14	15	5	DFT-256QAM	H	Outer_Full	4.473	5.050	PASS
N14	15	5	CP-QPSK	H	Outer_Full	4.486	5.190	PASS
N14	15	5	CP-16QAM	H	Outer_Full	4.484	5.160	PASS
N14	15	5	CP-64QAM	H	Outer_Full	4.485	5.160	PASS
N14	15	5	CP-256QAM	H	Outer_Full	4.487	5.150	PASS
N14	15	10	DFT-QPSK	L	Outer_Full	8.96	9.740	PASS
N14	15	10	DFT-PI2BPSK	L	Outer_Full	8.963	9.740	PASS
N14	15	10	DFT-16QAM	L	Outer_Full	8.956	9.620	PASS
N14	15	10	DFT-64QAM	L	Outer_Full	8.946	9.780	PASS
N14	15	10	DFT-256QAM	L	Outer_Full	8.947	9.640	PASS

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 Rev.: 01  
 Page: 13 of 42

N14	15	10	CP-QPSK	L	Outer_Full	9.314	10.240	PASS
N14	15	10	CP-16QAM	L	Outer_Full	9.294	10.180	PASS
N14	15	10	CP-64QAM	L	Outer_Full	9.319	10.280	PASS
N14	15	10	CP-256QAM	L	Outer_Full	9.317	10.180	PASS
N14	15	10	DFT-QPSK	M	Outer_Full	8.955	9.740	PASS
N14	15	10	DFT-PI2BPSK	M	Outer_Full	8.958	9.740	PASS
N14	15	10	DFT-16QAM	M	Outer_Full	8.957	9.580	PASS
N14	15	10	DFT-64QAM	M	Outer_Full	8.947	9.780	PASS
N14	15	10	DFT-256QAM	M	Outer_Full	8.948	9.640	PASS
N14	15	10	CP-QPSK	M	Outer_Full	9.312	10.200	PASS
N14	15	10	CP-16QAM	M	Outer_Full	9.293	10.140	PASS
N14	15	10	CP-64QAM	M	Outer_Full	9.307	10.260	PASS
N14	15	10	CP-256QAM	M	Outer_Full	9.317	10.180	PASS
N14	15	10	DFT-QPSK	H	Outer_Full	8.954	9.740	PASS
N14	15	10	DFT-PI2BPSK	H	Outer_Full	8.951	9.860	PASS
N14	15	10	DFT-16QAM	H	Outer_Full	8.958	9.620	PASS
N14	15	10	DFT-64QAM	H	Outer_Full	8.945	9.760	PASS
N14	15	10	DFT-256QAM	H	Outer_Full	8.947	9.640	PASS
N14	15	10	CP-QPSK	H	Outer_Full	9.316	10.240	PASS
N14	15	10	CP-16QAM	H	Outer_Full	9.293	10.140	PASS
N14	15	10	CP-64QAM	H	Outer_Full	9.323	10.280	PASS
N14	15	10	CP-256QAM	H	Outer_Full	9.317	10.180	PASS

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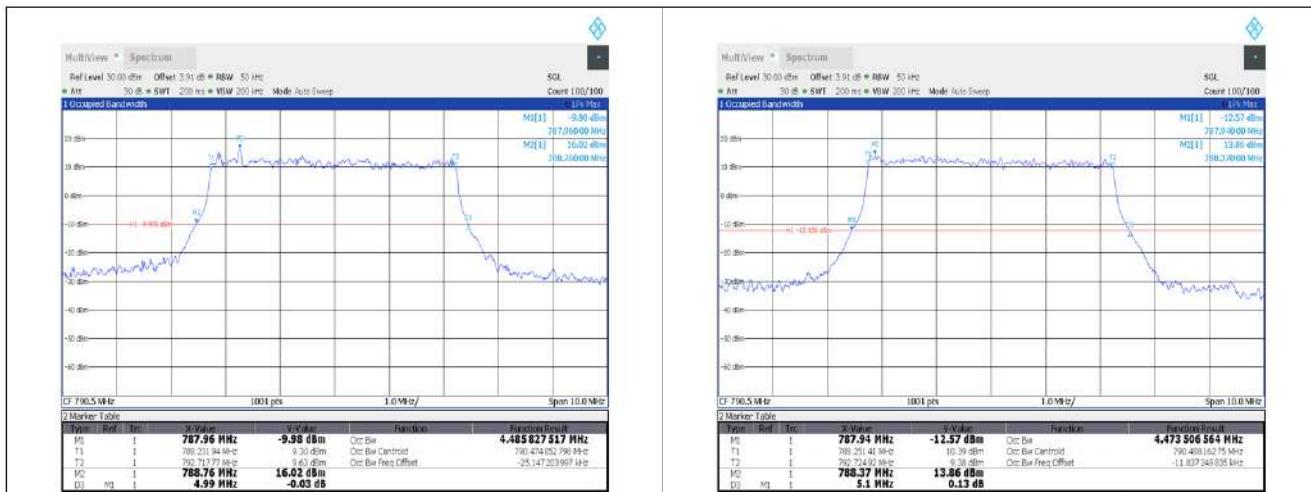
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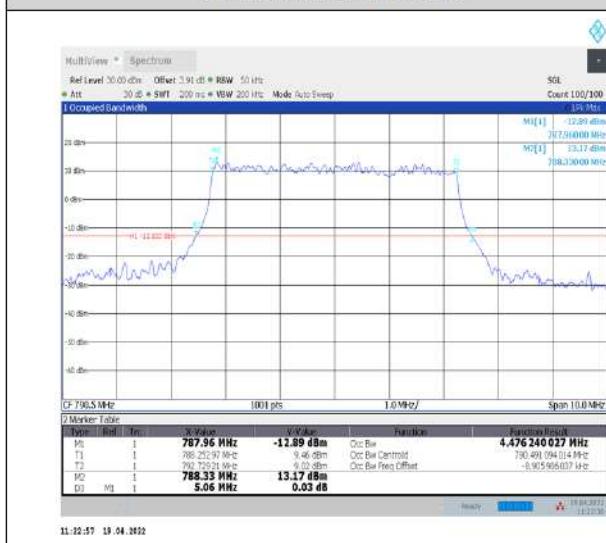
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Page: 14 of 42

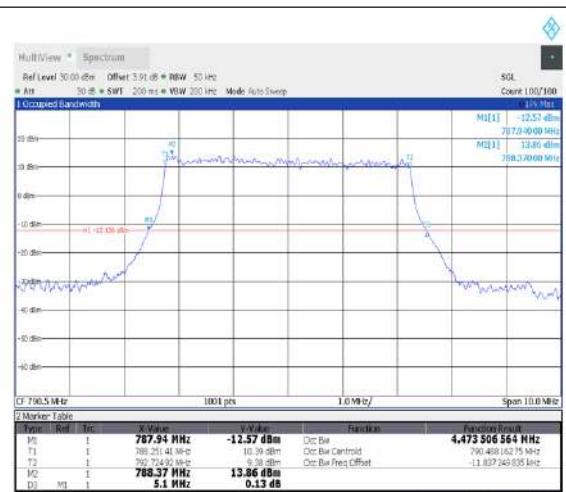
## Test Graphs



1-N14--15-5-L-1-DFT-QPSK-Outer\_Full-25@0-Ant1-  
4.486-4.990<5-PASS



1-N14--15-5-L-3-DFT-16QAM-Outer\_Full-25@0-  
Ant1-4.476-5.060-<5-PASS



1-N14--15-5-L-2-DFT-PI2BPSK-Outer\_Full-25@0-  
Ant1-4 474-5 100-<5-PASS



1-N14--15-5-L-4-DFT-64QAM-Outer\_Full-25@0-  
Ant1-4.482-5.090-<5-PASS

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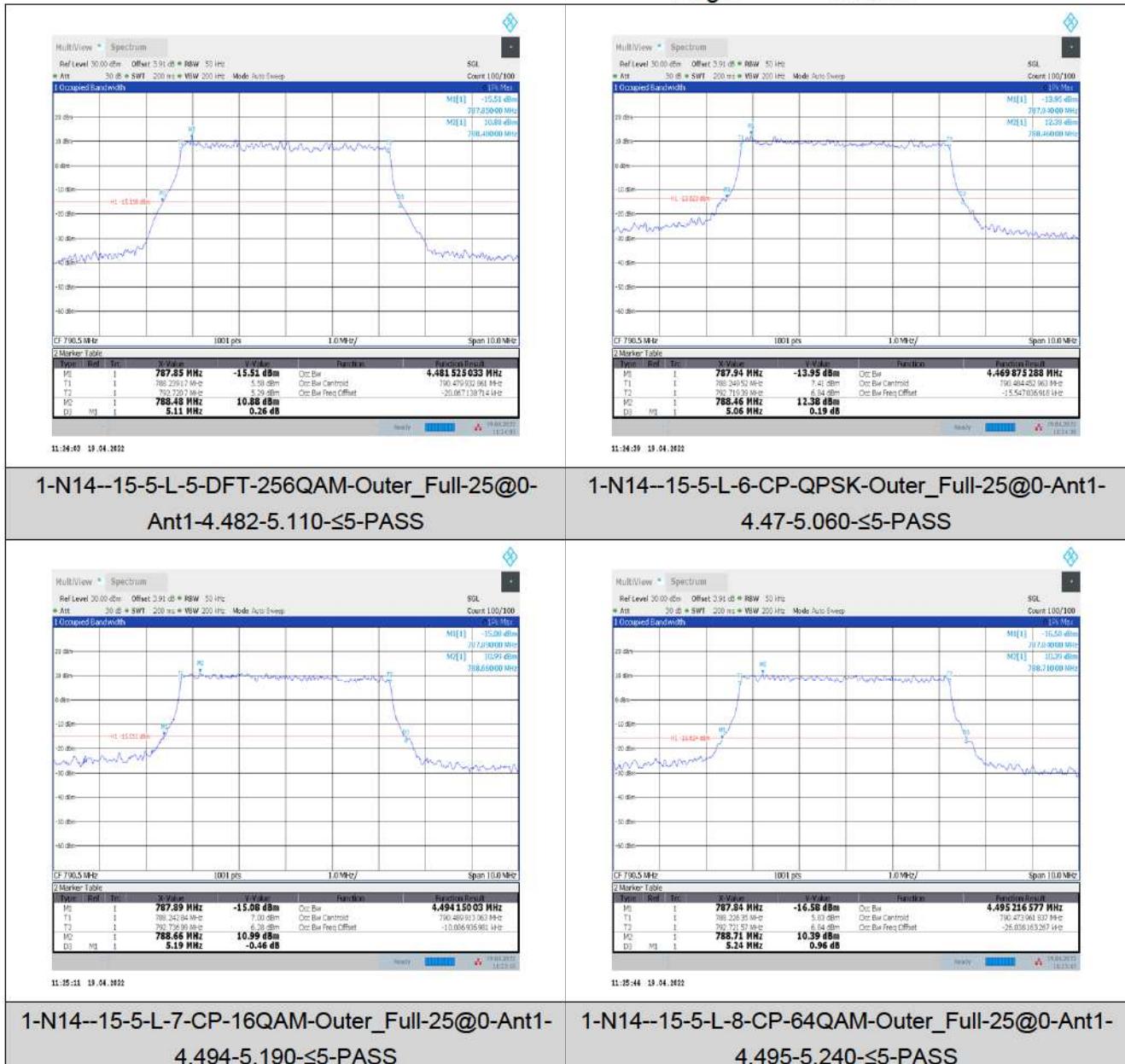


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Wireless Laboratory

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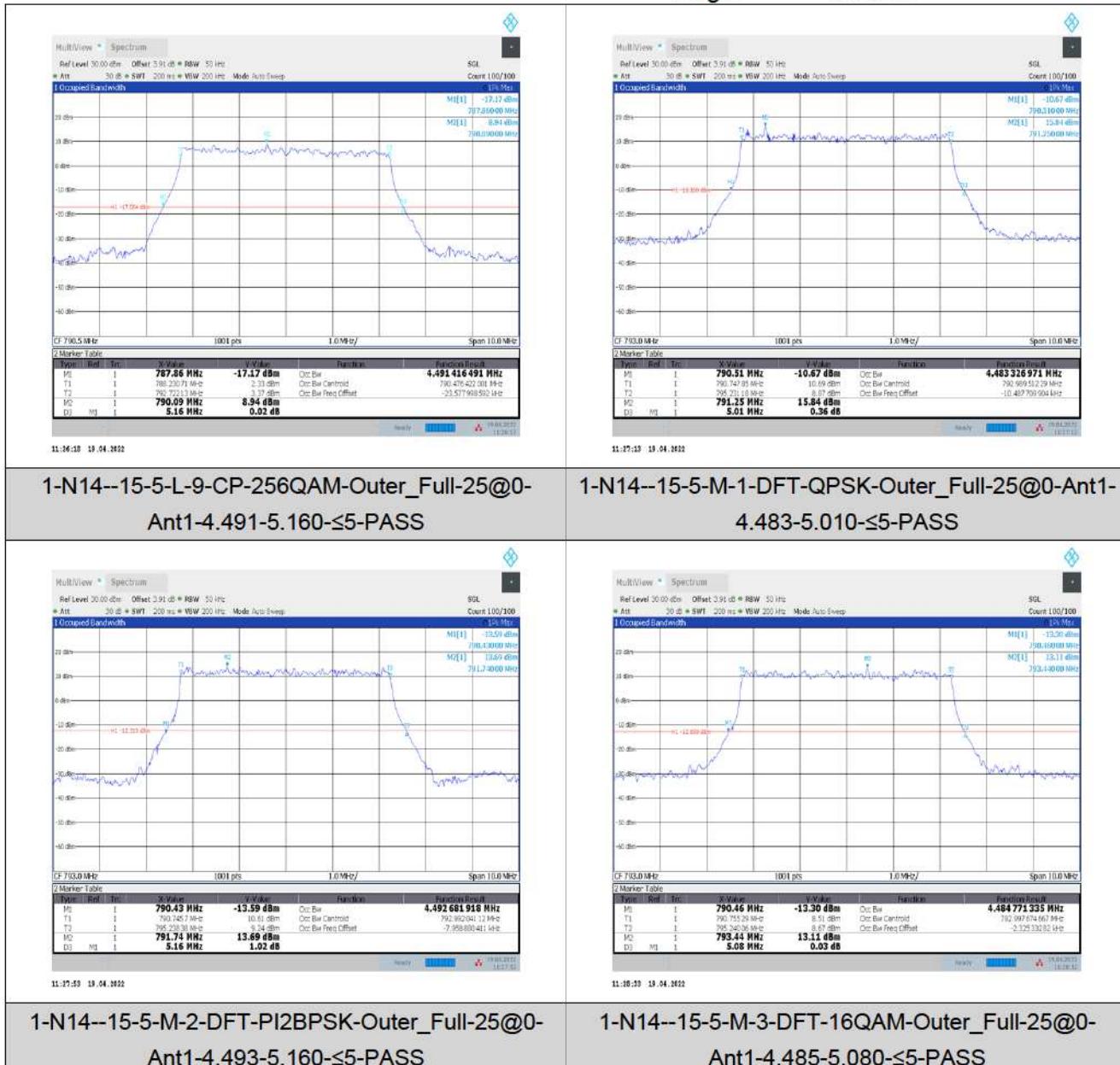
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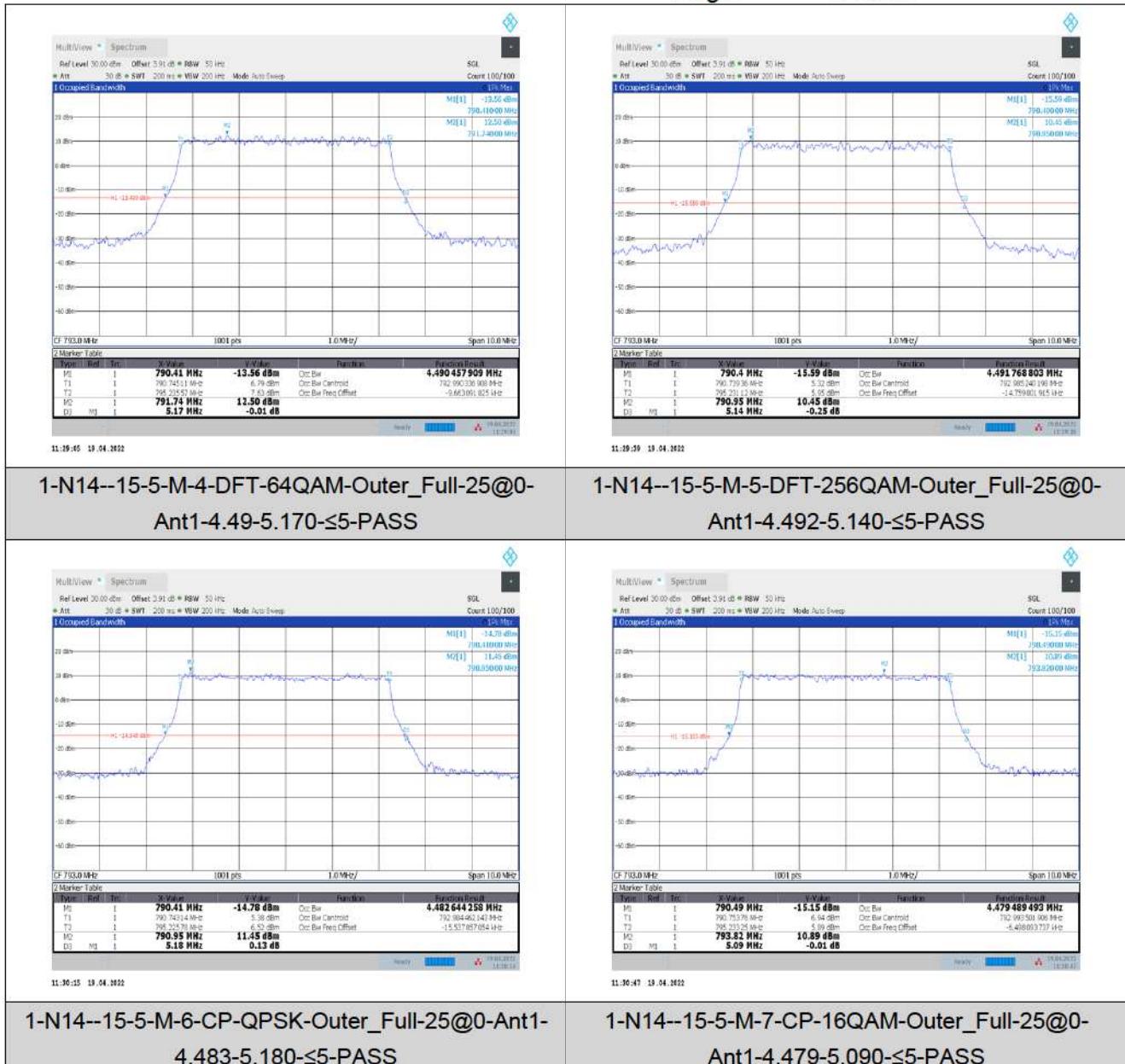
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 Rev.: 01  
 Page: 17 of 42



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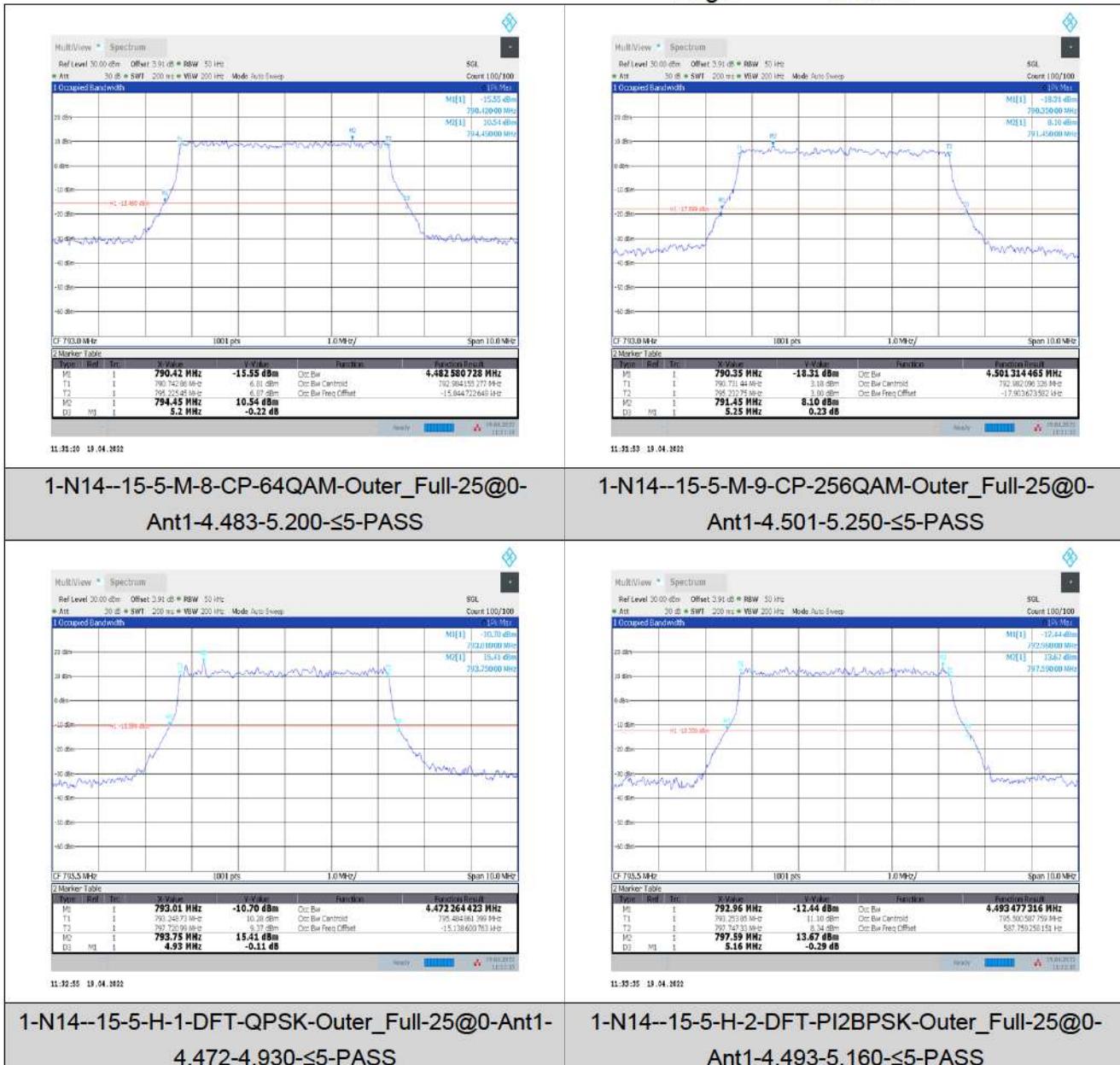
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China - Suzhou - China (Jiangsu)自由贸易试验区苏州片区苏州工业园区通源路1号的6号厂房南部 邮编: 215000

t (86-512) 62992980 www.sgsgroup.com.cn

t (86-512) 62992980 sgs.china@sgs.com

Report No.: SEWM2304000122RG02  
 Rev.: 01  
 Page: 18 of 42



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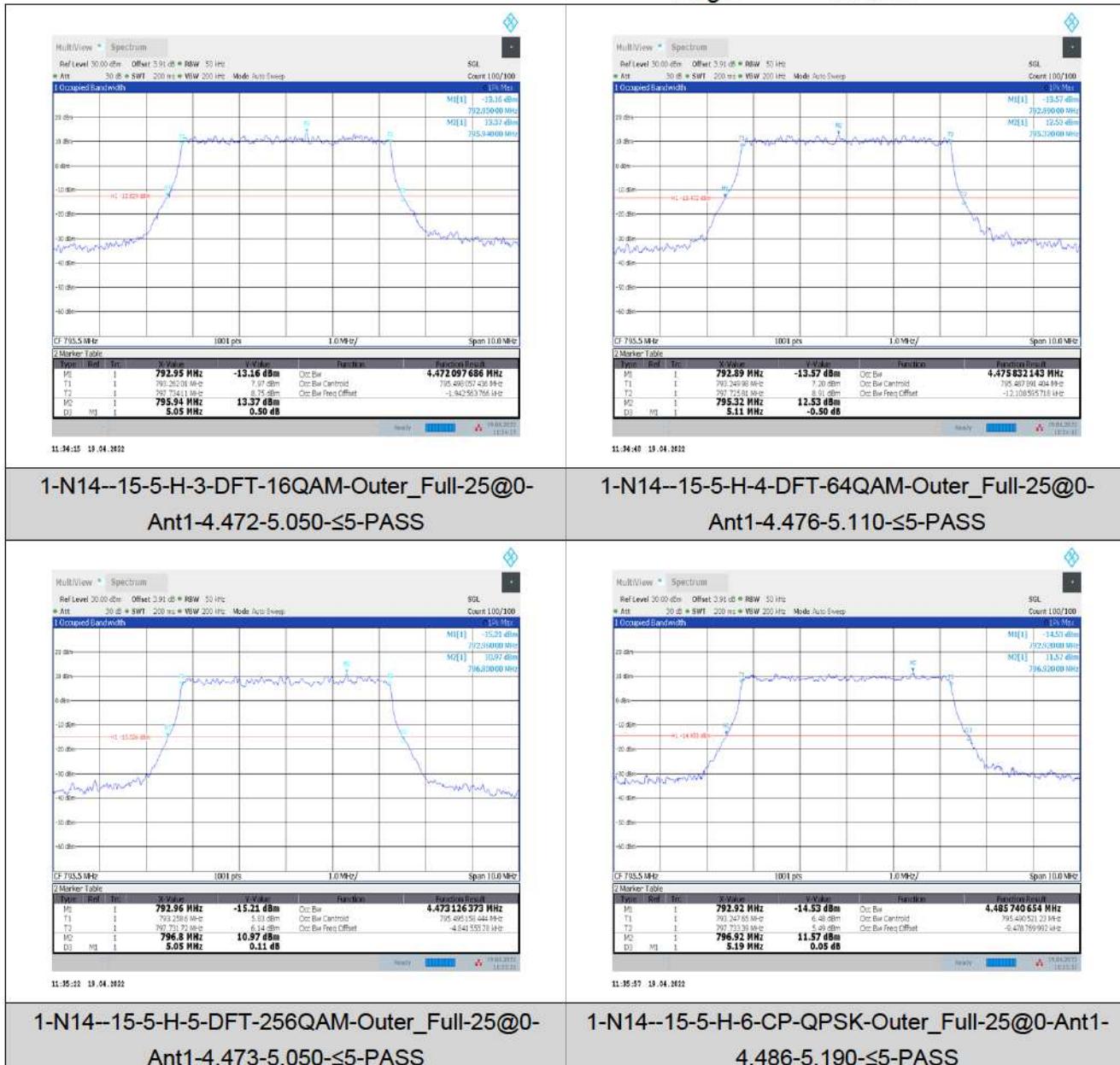
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Report No.: SEWM2304000122RG02  
 Rev.: 01  
 Page: 19 of 42



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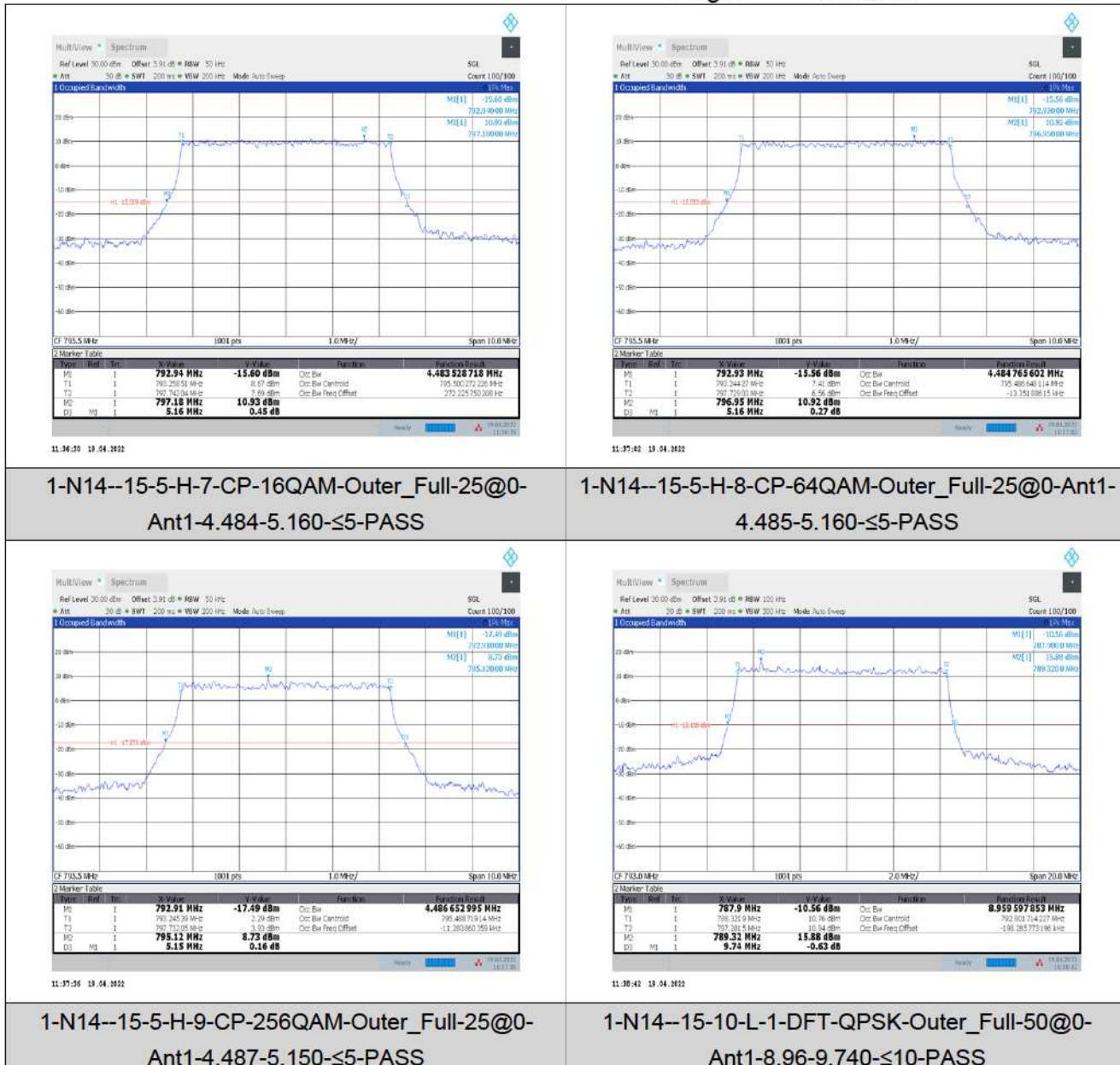
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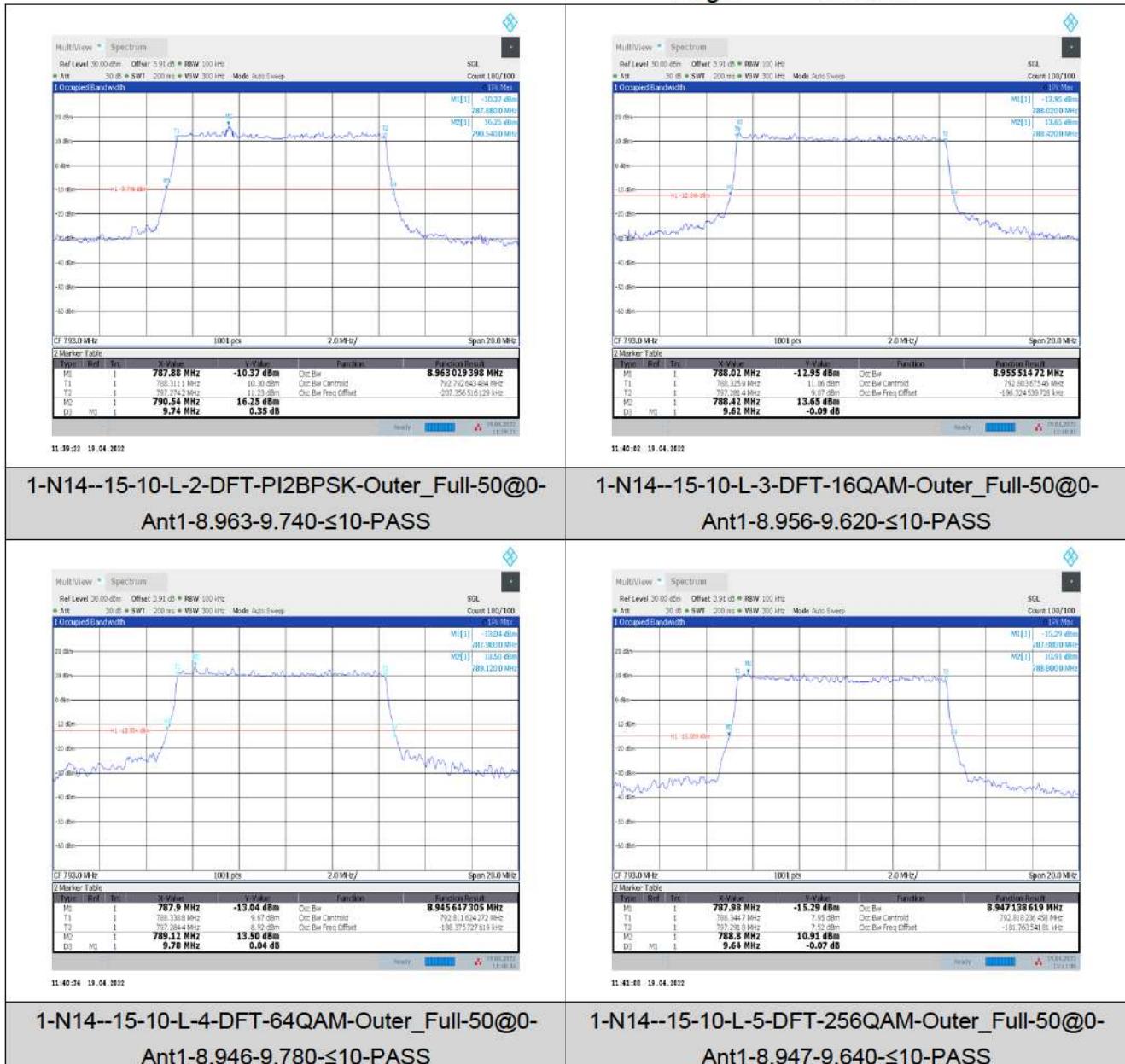
Report No.: SEWM2304000122RG02  
Rev.: 01  
Page: 20 of 42



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Report No.: SEWM2304000122RG02  
 Rev.: 01  
 Page: 21 of 42



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