

Report No.: SUHR/2022/1000606

Rev.: 01

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# Appendix



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

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

### Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Power (dBm)	EIRP (dBm)	Limit (dBm)	Verdict
N5	15	5	DFT-PI2BPSK	L	Inner_1RB_Left	23.92	19.77	38.45	PASS
N5	15	5	DFT-PI2BPSK	L	Inner_1RB_Right	23.79	19.64	38.45	PASS
N5	15	5	DFT-PI2BPSK	L	Outer_Full	23.94	19.79	38.45	PASS
N5	15	5	DFT-QPSK	L	Inner_1RB_Left	23.97	19.82	38.45	PASS
N5	15	5	DFT-QPSK	L	Inner_1RB_Right	23.96	19.81	38.45	PASS
N5	15	5	DFT-QPSK	L	Outer_Full	23.94	19.79	38.45	PASS
N5	15	5	DFT-16QAM	L	Inner_1RB_Left	24.00	19.85	38.45	PASS
N5	15	5	DFT-16QAM	L	Inner_1RB_Right	23.99	19.84	38.45	PASS
N5	15	5	DFT-16QAM	L	Outer_Full	22.95	18.80	38.45	PASS
N5	15	5	DFT-64QAM	L	Inner_1RB_Left	22.25	18.10	38.45	PASS
N5	15	5	DFT-64QAM	L	Inner_1RB_Right	22.26	18.11	38.45	PASS
N5	15	5	DFT-64QAM	L	Outer_Full	22.58	18.43	38.45	PASS
N5	15	5	DFT-256QAM	L	Inner_1RB_Left	20.44	16.29	38.45	PASS
N5	15	5	DFT-256QAM	L	Inner_1RB_Right	20.39	16.24	38.45	PASS
N5	15	5	DFT-256QAM	L	Outer_Full	20.44	16.29	38.45	PASS
N5	15	5	DFT-PI2BPSK	M	Inner_1RB_Left	23.57	19.42	38.45	PASS
N5	15	5	DFT-PI2BPSK	M	Inner_1RB_Right	23.65	19.50	38.45	PASS
N5	15	5	DFT-PI2BPSK	M	Outer_Full	23.71	19.56	38.45	PASS
N5	15	5	DFT-QPSK	M	Inner_1RB_Left	23.56	19.41	38.45	PASS
N5	15	5	DFT-QPSK	M	Inner_1RB_Right	23.68	19.53	38.45	PASS
N5	15	5	DFT-QPSK	M	Outer_Full	23.61	19.46	38.45	PASS
N5	15	5	DFT-16QAM	M	Inner_1RB_Left	23.55	19.40	38.45	PASS
N5	15	5	DFT-16QAM	M	Inner_1RB_Right	23.58	19.43	38.45	PASS
N5	15	5	DFT-16QAM	M	Outer_Full	22.63	18.48	38.45	PASS
N5	15	5	DFT-64QAM	M	Inner_1RB_Left	21.82	17.67	38.45	PASS
N5	15	5	DFT-64QAM	M	Inner_1RB_Right	21.98	17.83	38.45	PASS
N5	15	5	DFT-64QAM	M	Outer_Full	22.21	18.06	38.45	PASS
N5	15	5	DFT-256QAM	M	Inner_1RB_Left	20.09	15.94	38.45	PASS
N5	15	5	DFT-256QAM	M	Inner_1RB_Right	20.23	16.08	38.45	PASS
N5	15	5	DFT-256QAM	M	Outer_Full	20.03	15.88	38.45	PASS
N5	15	5	DFT-PI2BPSK	H	Inner_1RB_Left	23.34	19.19	38.45	PASS
N5	15	5	DFT-PI2BPSK	H	Inner_1RB_Right	23.35	19.20	38.45	PASS



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N5	15	5	DFT-PI2BPSK	H	Outer_Full	23.48	19.33	38.45	PASS
N5	15	5	DFT-QPSK	H	Inner_1RB_Left	23.43	19.28	38.45	PASS
N5	15	5	DFT-QPSK	H	Inner_1RB_Right	23.42	19.27	38.45	PASS
N5	15	5	DFT-QPSK	H	Outer_Full	23.46	19.31	38.45	PASS
N5	15	5	DFT-16QAM	H	Inner_1RB_Left	23.51	19.36	38.45	PASS
N5	15	5	DFT-16QAM	H	Inner_1RB_Right	23.46	19.31	38.45	PASS
N5	15	5	DFT-16QAM	H	Outer_Full	22.49	18.34	38.45	PASS
N5	15	5	DFT-64QAM	H	Inner_1RB_Left	21.45	17.30	38.45	PASS
N5	15	5	DFT-64QAM	H	Inner_1RB_Right	21.43	17.28	38.45	PASS
N5	15	5	DFT-64QAM	H	Outer_Full	22.01	17.86	38.45	PASS
N5	15	5	DFT-256QAM	H	Inner_1RB_Left	19.94	15.79	38.45	PASS
N5	15	5	DFT-256QAM	H	Inner_1RB_Right	19.89	15.74	38.45	PASS
N5	15	5	DFT-256QAM	H	Outer_Full	19.90	15.75	38.45	PASS
N5	15	10	DFT-PI2BPSK	L	Inner_1RB_Left	23.94	19.79	38.45	PASS
N5	15	10	DFT-PI2BPSK	L	Inner_1RB_Right	23.80	19.65	38.45	PASS
N5	15	10	DFT-PI2BPSK	L	Outer_Full	23.93	19.78	38.45	PASS
N5	15	10	DFT-QPSK	L	Inner_1RB_Left	24.00	19.85	38.45	PASS
N5	15	10	DFT-QPSK	L	Inner_1RB_Right	23.86	19.71	38.45	PASS
N5	15	10	DFT-QPSK	L	Outer_Full	23.98	19.83	38.45	PASS
N5	15	10	DFT-16QAM	L	Inner_1RB_Left	23.92	19.77	38.45	PASS
N5	15	10	DFT-16QAM	L	Inner_1RB_Right	23.86	19.71	38.45	PASS
N5	15	10	DFT-16QAM	L	Outer_Full	22.95	18.80	38.45	PASS
N5	15	10	DFT-64QAM	L	Inner_1RB_Left	22.25	18.10	38.45	PASS
N5	15	10	DFT-64QAM	L	Inner_1RB_Right	22.13	17.98	38.45	PASS
N5	15	10	DFT-64QAM	L	Outer_Full	22.52	18.37	38.45	PASS
N5	15	10	DFT-256QAM	L	Inner_1RB_Left	20.49	16.34	38.45	PASS
N5	15	10	DFT-256QAM	L	Inner_1RB_Right	20.37	16.22	38.45	PASS
N5	15	10	DFT-256QAM	L	Outer_Full	20.49	16.34	38.45	PASS
N5	15	10	DFT-PI2BPSK	M	Inner_1RB_Left	23.62	19.47	38.45	PASS
N5	15	10	DFT-PI2BPSK	M	Inner_1RB_Right	23.66	19.51	38.45	PASS
N5	15	10	DFT-PI2BPSK	M	Outer_Full	23.81	19.66	38.45	PASS
N5	15	10	DFT-QPSK	M	Inner_1RB_Left	23.63	19.48	38.45	PASS
N5	15	10	DFT-QPSK	M	Inner_1RB_Right	23.70	19.55	38.45	PASS
N5	15	10	DFT-QPSK	M	Outer_Full	23.78	19.63	38.45	PASS
N5	15	10	DFT-16QAM	M	Inner_1RB_Left	23.63	19.48	38.45	PASS
N5	15	10	DFT-16QAM	M	Inner_1RB_Right	23.63	19.48	38.45	PASS
N5	15	10	DFT-16QAM	M	Outer_Full	22.73	18.58	38.45	PASS
N5	15	10	DFT-64QAM	M	Inner_1RB_Left	21.94	17.79	38.45	PASS



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Table with 10 columns: Test ID, Sample No., Lot No., Modulation, Bandwidth, Test Method, Mean, Min, Max, Result. Contains 40 rows of test data for various modulation schemes like DFT-64QAM, DFT-256QAM, DFT-PI2BPSK, and DFT-QPSK.



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N5	15	15	DFT-QPSK	M	Inner_1RB_Left	23.43	19.28	38.45	PASS
N5	15	15	DFT-QPSK	M	Inner_1RB_Right	23.37	19.22	38.45	PASS
N5	15	15	DFT-QPSK	M	Outer_Full	23.57	19.42	38.45	PASS
N5	15	15	DFT-16QAM	M	Inner_1RB_Left	23.40	19.25	38.45	PASS
N5	15	15	DFT-16QAM	M	Inner_1RB_Right	23.65	19.50	38.45	PASS
N5	15	15	DFT-16QAM	M	Outer_Full	22.59	18.44	38.45	PASS
N5	15	15	DFT-64QAM	M	Inner_1RB_Left	21.68	17.53	38.45	PASS
N5	15	15	DFT-64QAM	M	Inner_1RB_Right	21.65	17.50	38.45	PASS
N5	15	15	DFT-64QAM	M	Outer_Full	22.07	17.92	38.45	PASS
N5	15	15	DFT-256QAM	M	Inner_1RB_Left	20.02	15.87	38.45	PASS
N5	15	15	DFT-256QAM	M	Inner_1RB_Right	20.05	15.90	38.45	PASS
N5	15	15	DFT-256QAM	M	Outer_Full	20.09	15.94	38.45	PASS
N5	15	15	DFT-PI2BPSK	H	Inner_1RB_Left	23.41	19.26	38.45	PASS
N5	15	15	DFT-PI2BPSK	H	Inner_1RB_Right	23.16	19.01	38.45	PASS
N5	15	15	DFT-PI2BPSK	H	Outer_Full	23.49	19.34	38.45	PASS
N5	15	15	DFT-QPSK	H	Inner_1RB_Left	23.42	19.27	38.45	PASS
N5	15	15	DFT-QPSK	H	Inner_1RB_Right	23.20	19.05	38.45	PASS
N5	15	15	DFT-QPSK	H	Outer_Full	23.54	19.39	38.45	PASS
N5	15	15	DFT-16QAM	H	Inner_1RB_Left	23.34	19.19	38.45	PASS
N5	15	15	DFT-16QAM	H	Inner_1RB_Right	23.25	19.10	38.45	PASS
N5	15	15	DFT-16QAM	H	Outer_Full	22.56	18.41	38.45	PASS
N5	15	15	DFT-64QAM	H	Inner_1RB_Left	21.66	17.51	38.45	PASS
N5	15	15	DFT-64QAM	H	Inner_1RB_Right	21.47	17.32	38.45	PASS
N5	15	15	DFT-64QAM	H	Outer_Full	22.04	17.89	38.45	PASS
N5	15	15	DFT-256QAM	H	Inner_1RB_Left	19.99	15.84	38.45	PASS
N5	15	15	DFT-256QAM	H	Inner_1RB_Right	19.87	15.72	38.45	PASS
N5	15	15	DFT-256QAM	H	Outer_Full	20.04	15.89	38.45	PASS
N5	15	20	DFT-PI2BPSK	L	Inner_1RB_Left	23.66	19.51	38.45	PASS
N5	15	20	DFT-PI2BPSK	L	Inner_1RB_Right	23.51	19.36	38.45	PASS
N5	15	20	DFT-PI2BPSK	L	Outer_Full	23.76	19.61	38.45	PASS
N5	15	20	DFT-QPSK	L	Inner_1RB_Left	23.70	19.55	38.45	PASS
N5	15	20	DFT-QPSK	L	Inner_1RB_Right	23.54	19.39	38.45	PASS
N5	15	20	DFT-QPSK	L	Outer_Full	23.75	19.60	38.45	PASS
N5	15	20	DFT-16QAM	L	Inner_1RB_Left	23.67	19.52	38.45	PASS
N5	15	20	DFT-16QAM	L	Inner_1RB_Right	23.57	19.42	38.45	PASS
N5	15	20	DFT-16QAM	L	Outer_Full	22.78	18.63	38.45	PASS
N5	15	20	DFT-64QAM	L	Inner_1RB_Left	21.97	17.82	38.45	PASS
N5	15	20	DFT-64QAM	L	Inner_1RB_Right	21.86	17.71	38.45	PASS



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N5	15	20	DFT-64QAM	L	Outer_Full	22.31	18.16	38.45	PASS
N5	15	20	DFT-256QAM	L	Inner_1RB_Left	20.35	16.20	38.45	PASS
N5	15	20	DFT-256QAM	L	Inner_1RB_Right	20.24	16.09	38.45	PASS
N5	15	20	DFT-256QAM	L	Outer_Full	20.30	16.15	38.45	PASS
N5	15	20	DFT-PI2BPSK	M	Inner_1RB_Left	23.40	19.25	38.45	PASS
N5	15	20	DFT-PI2BPSK	M	Inner_1RB_Right	23.26	19.11	38.45	PASS
N5	15	20	DFT-PI2BPSK	M	Outer_Full	23.58	19.43	38.45	PASS
N5	15	20	DFT-QPSK	M	Inner_1RB_Left	23.52	19.37	38.45	PASS
N5	15	20	DFT-QPSK	M	Inner_1RB_Right	23.33	19.18	38.45	PASS
N5	15	20	DFT-QPSK	M	Outer_Full	23.57	19.42	38.45	PASS
N5	15	20	DFT-16QAM	M	Inner_1RB_Left	23.55	19.40	38.45	PASS
N5	15	20	DFT-16QAM	M	Inner_1RB_Right	23.39	19.24	38.45	PASS
N5	15	20	DFT-16QAM	M	Outer_Full	22.61	18.46	38.45	PASS
N5	15	20	DFT-64QAM	M	Inner_1RB_Left	21.75	17.60	38.45	PASS
N5	15	20	DFT-64QAM	M	Inner_1RB_Right	21.63	17.48	38.45	PASS
N5	15	20	DFT-64QAM	M	Outer_Full	22.09	17.94	38.45	PASS
N5	15	20	DFT-256QAM	M	Inner_1RB_Left	20.05	15.90	38.45	PASS
N5	15	20	DFT-256QAM	M	Inner_1RB_Right	19.94	15.79	38.45	PASS
N5	15	20	DFT-256QAM	M	Outer_Full	20.09	15.94	38.45	PASS
N5	15	20	DFT-PI2BPSK	H	Inner_1RB_Left	23.42	19.27	38.45	PASS
N5	15	20	DFT-PI2BPSK	H	Inner_1RB_Right	23.13	18.98	38.45	PASS
N5	15	20	DFT-PI2BPSK	H	Outer_Full	23.50	19.35	38.45	PASS
N5	15	20	DFT-QPSK	H	Inner_1RB_Left	23.43	19.28	38.45	PASS
N5	15	20	DFT-QPSK	H	Inner_1RB_Right	23.18	19.03	38.45	PASS
N5	15	20	DFT-QPSK	H	Outer_Full	23.52	19.37	38.45	PASS
N5	15	20	DFT-16QAM	H	Inner_1RB_Left	23.50	19.35	38.45	PASS
N5	15	20	DFT-16QAM	H	Inner_1RB_Right	23.20	19.05	38.45	PASS
N5	15	20	DFT-16QAM	H	Outer_Full	22.55	18.40	38.45	PASS
N5	15	20	DFT-64QAM	H	Inner_1RB_Left	21.69	17.54	38.45	PASS
N5	15	20	DFT-64QAM	H	Inner_1RB_Right	21.46	17.31	38.45	PASS
N5	15	20	DFT-64QAM	H	Outer_Full	22.10	17.95	38.45	PASS
N5	15	20	DFT-256QAM	H	Inner_1RB_Left	20.09	15.94	38.45	PASS
N5	15	20	DFT-256QAM	H	Inner_1RB_Right	19.88	15.73	38.45	PASS
N5	15	20	DFT-256QAM	H	Outer_Full	20.05	15.90	38.45	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
N5	15	20	DFT-256QAM	L	Outer_Full	100%	0.00	8.21	≤13	PASS
N5	15	20	CP-256QAM	L	Outer_Full	100%	0.00	8.32	≤13	PASS
N5	15	20	DFT-256QAM	M	Outer_Full	100%	0.00	8.21	≤13	PASS
N5	15	20	CP-256QAM	M	Outer_Full	100%	0.00	8.25	≤13	PASS
N5	15	20	DFT-256QAM	H	Outer_Full	100%	0.00	8.36	≤13	PASS
N5	15	20	CP-256QAM	H	Outer_Full	100%	0.00	8.32	≤13	PASS



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Test Graphs



1-N5-15-20-L-1-DFT-256QAM-Outer\_Full-100@0-An  
t1-8.21-100%-0.00-8.21-PASS-≤13



1-N5-15-20-L-2-CP-256QAM-Outer\_Full-106@0-Ant  
1-8.32-100%-0.00-8.32-PASS-≤13



1-N5-15-20-M-1-DFT-256QAM-Outer\_Full-100@0-A  
nt1-8.21-100%-0.00-8.21-PASS-≤13



1-N5-15-20-M-2-CP-256QAM-Outer\_Full-106@0-Ant  
t1-8.25-100%-0.00-8.25-PASS-≤13



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1-N5-15-20-H-1-DFT-256QAM-Outer\_Full-100@0-An  
t1-8.36-100%-0.00-8.36-PASS-≤13



1-N5-15-20-H-2-CP-256QAM-Outer\_Full-106@0-An  
t1-8.32-100%-0.00-8.32-PASS-≤13



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## Modulation characteristics for SA

### Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result	Verdict
N5	15	20	DFT-PI2BPSK	M	Outer_Full	see graph	PASS
N5	15	20	DFT-QPSK	M	Outer_Full	see graph	PASS
N5	15	20	DFT-16QAM	M	Outer_Full	see graph	PASS
N5	15	20	DFT-64QAM	M	Outer_Full	see graph	PASS
N5	15	20	DFT-256QAM	M	Outer_Full	see graph	PASS
N5	15	20	CP-QPSK	M	Outer_Full	see graph	PASS
N5	15	20	CP-16QAM	M	Outer_Full	see graph	PASS
N5	15	20	CP-64QAM	M	Outer_Full	see graph	PASS
N5	15	20	CP-256QAM	M	Outer_Full	see graph	PASS



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Test Graphs

<p>1-N5-15-20-M-1-DFT-PI2BPSK-Outer_Full-100@0-A nt1-see graph-PASS</p>	<p>1-N5-15-20-M-2-DFT-QPSK-Outer_Full-100@0-Ant 1-see graph-PASS</p>
<p>1-N5-15-20-M-3-DFT-16QAM-Outer_Full-100@0-Ant 1-see graph-PASS</p>	<p>1-N5-15-20-M-4-DFT-64QAM-Outer_Full-100@0-Ant 11-see graph-PASS</p>

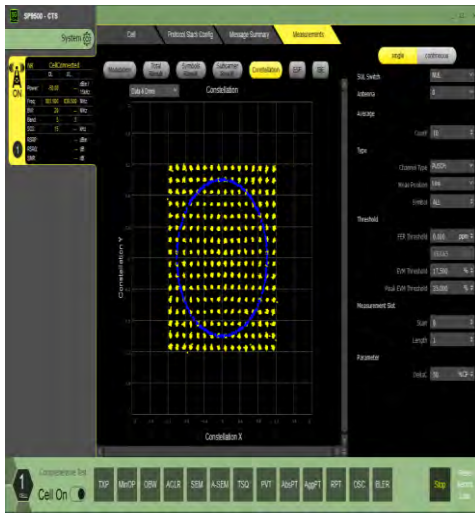


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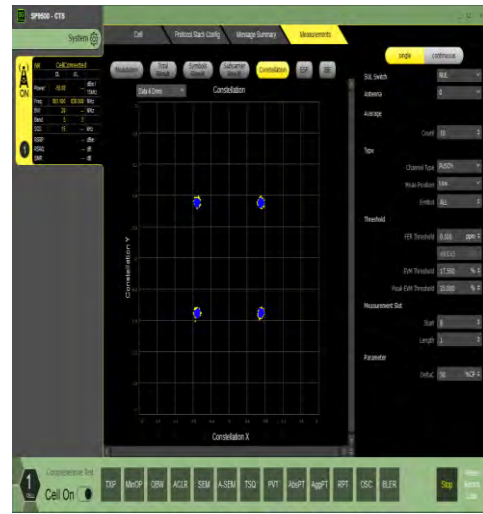
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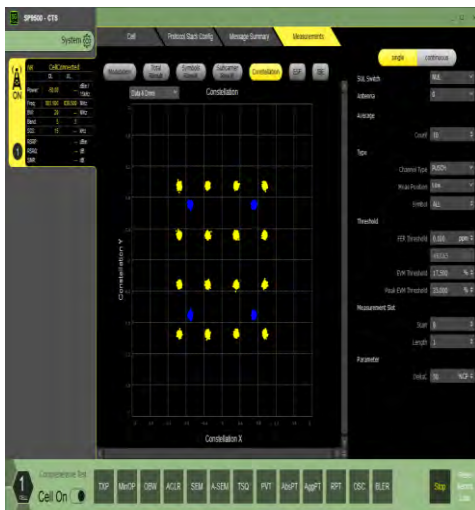
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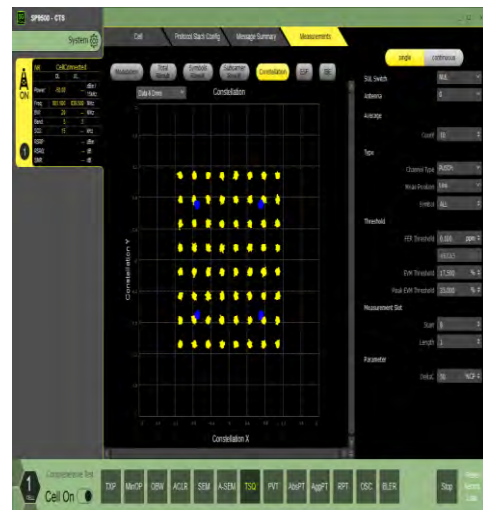
1-N5-15-20-M-5-DFT-256QAM-Outer\_Full-100@0-Ant1-see graph-PASS



1-N5-15-20-M-6-CP-QPSK-Outer\_Full-106@0-Ant1-see graph-PASS



1-N5-15-20-M-7-CP-16QAM-Outer\_Full-106@0-Ant1-see graph-PASS



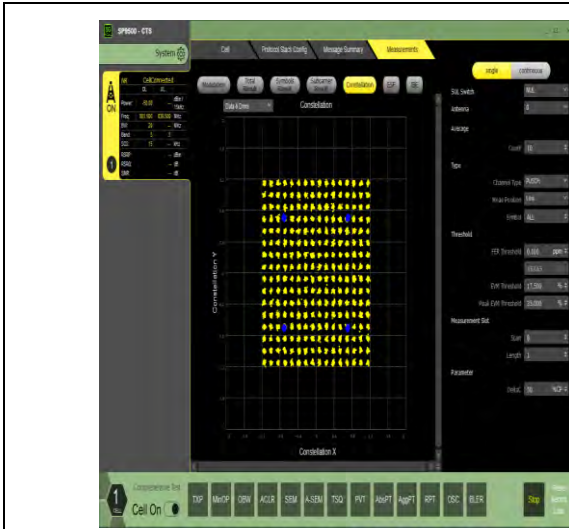
1-N5-15-20-M-8-CP-64QAM-Outer\_Full-106@0-Ant1-see graph-PASS



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1-N5-15-20-M-9-CP-256QAM-Outer\_Full-106@0-Ant  
1-see graph-PASS



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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
N5	15	5	DFT-QPSK	L	Outer_Full	4.4777	4.904	PASS
N5	15	5	DFT-PI2BPSK	L	Outer_Full	4.4641	4.890	PASS
N5	15	5	DFT-16QAM	L	Outer_Full	4.4574	4.852	PASS
N5	15	5	DFT-64QAM	L	Outer_Full	4.4782	4.927	PASS
N5	15	5	DFT-256QAM	L	Outer_Full	4.4658	4.853	PASS
N5	15	5	CP-QPSK	L	Outer_Full	4.4676	4.920	PASS
N5	15	5	CP-16QAM	L	Outer_Full	4.4653	4.876	PASS
N5	15	5	CP-64QAM	L	Outer_Full	4.4670	4.891	PASS
N5	15	5	CP-256QAM	L	Outer_Full	4.4637	4.877	PASS
N5	15	5	DFT-QPSK	M	Outer_Full	4.4704	4.846	PASS
N5	15	5	DFT-PI2BPSK	M	Outer_Full	4.4699	4.864	PASS
N5	15	5	DFT-16QAM	M	Outer_Full	4.4575	4.882	PASS
N5	15	5	DFT-64QAM	M	Outer_Full	4.4736	4.862	PASS
N5	15	5	DFT-256QAM	M	Outer_Full	4.4681	4.806	PASS
N5	15	5	CP-QPSK	M	Outer_Full	4.4677	4.908	PASS
N5	15	5	CP-16QAM	M	Outer_Full	4.4677	4.828	PASS
N5	15	5	CP-64QAM	M	Outer_Full	4.4625	4.890	PASS
N5	15	5	CP-256QAM	M	Outer_Full	4.4702	4.845	PASS
N5	15	5	DFT-QPSK	H	Outer_Full	4.4761	4.898	PASS
N5	15	5	DFT-PI2BPSK	H	Outer_Full	4.4641	4.831	PASS
N5	15	5	DFT-16QAM	H	Outer_Full	4.4596	4.893	PASS
N5	15	5	DFT-64QAM	H	Outer_Full	4.4849	4.929	PASS
N5	15	5	DFT-256QAM	H	Outer_Full	4.4673	4.883	PASS
N5	15	5	CP-QPSK	H	Outer_Full	4.4707	4.872	PASS
N5	15	5	CP-16QAM	H	Outer_Full	4.4686	4.848	PASS
N5	15	5	CP-64QAM	H	Outer_Full	4.4545	4.894	PASS
N5	15	5	CP-256QAM	H	Outer_Full	4.4644	4.835	PASS
N5	15	10	DFT-QPSK	L	Outer_Full	8.8984	9.470	PASS
N5	15	10	DFT-PI2BPSK	L	Outer_Full	8.9044	9.408	PASS
N5	15	10	DFT-16QAM	L	Outer_Full	8.9257	9.469	PASS
N5	15	10	DFT-64QAM	L	Outer_Full	8.9166	9.476	PASS
N5	15	10	DFT-256QAM	L	Outer_Full	8.8992	9.445	PASS



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N5	15	10	CP-QPSK	L	Outer_Full	9.2825	9.892	PASS
N5	15	10	CP-16QAM	L	Outer_Full	9.2652	9.884	PASS
N5	15	10	CP-64QAM	L	Outer_Full	9.2927	9.821	PASS
N5	15	10	CP-256QAM	L	Outer_Full	9.2840	9.827	PASS
N5	15	10	DFT-QPSK	M	Outer_Full	8.9200	9.530	PASS
N5	15	10	DFT-PI2BPSK	M	Outer_Full	8.9099	9.439	PASS
N5	15	10	DFT-16QAM	M	Outer_Full	8.9266	9.503	PASS
N5	15	10	DFT-64QAM	M	Outer_Full	8.9282	9.445	PASS
N5	15	10	DFT-256QAM	M	Outer_Full	8.9125	9.467	PASS
N5	15	10	CP-QPSK	M	Outer_Full	9.2905	9.874	PASS
N5	15	10	CP-16QAM	M	Outer_Full	9.2828	9.868	PASS
N5	15	10	CP-64QAM	M	Outer_Full	9.3006	9.920	PASS
N5	15	10	CP-256QAM	M	Outer_Full	9.2867	9.877	PASS
N5	15	10	DFT-QPSK	H	Outer_Full	8.9014	9.512	PASS
N5	15	10	DFT-PI2BPSK	H	Outer_Full	8.9066	9.479	PASS
N5	15	10	DFT-16QAM	H	Outer_Full	8.9284	9.546	PASS
N5	15	10	DFT-64QAM	H	Outer_Full	8.9051	9.416	PASS
N5	15	10	DFT-256QAM	H	Outer_Full	8.9011	9.425	PASS
N5	15	10	CP-QPSK	H	Outer_Full	9.2839	9.926	PASS
N5	15	10	CP-16QAM	H	Outer_Full	9.2731	9.884	PASS
N5	15	10	CP-64QAM	H	Outer_Full	9.2798	9.862	PASS
N5	15	10	CP-256QAM	H	Outer_Full	9.2736	9.825	PASS
N5	15	15	DFT-QPSK	L	Outer_Full	13.422	14.10	PASS
N5	15	15	DFT-PI2BPSK	L	Outer_Full	13.404	14.14	PASS
N5	15	15	DFT-16QAM	L	Outer_Full	13.395	14.15	PASS
N5	15	15	DFT-64QAM	L	Outer_Full	13.393	14.13	PASS
N5	15	15	DFT-256QAM	L	Outer_Full	13.424	14.16	PASS
N5	15	15	CP-QPSK	L	Outer_Full	14.117	14.88	PASS
N5	15	15	CP-16QAM	L	Outer_Full	14.084	15.41	PASS
N5	15	15	CP-64QAM	L	Outer_Full	14.099	14.75	PASS
N5	15	15	CP-256QAM	L	Outer_Full	14.092	14.90	PASS
N5	15	15	DFT-QPSK	M	Outer_Full	13.395	14.12	PASS
N5	15	15	DFT-PI2BPSK	M	Outer_Full	13.392	14.18	PASS
N5	15	15	DFT-16QAM	M	Outer_Full	13.404	14.08	PASS
N5	15	15	DFT-64QAM	M	Outer_Full	13.403	14.13	PASS
N5	15	15	DFT-256QAM	M	Outer_Full	13.423	14.15	PASS
N5	15	15	CP-QPSK	M	Outer_Full	14.116	14.87	PASS
N5	15	15	CP-16QAM	M	Outer_Full	14.089	14.85	PASS



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N5	15	15	CP-64QAM	M	Outer_Full	14.079	14.83	PASS
N5	15	15	CP-256QAM	M	Outer_Full	14.090	14.89	PASS
N5	15	15	DFT-QPSK	H	Outer_Full	13.392	14.12	PASS
N5	15	15	DFT-PI2BPSK	H	Outer_Full	13.355	14.09	PASS
N5	15	15	DFT-16QAM	H	Outer_Full	13.391	14.04	PASS
N5	15	15	DFT-64QAM	H	Outer_Full	13.389	14.07	PASS
N5	15	15	DFT-256QAM	H	Outer_Full	13.390	14.12	PASS
N5	15	15	CP-QPSK	H	Outer_Full	14.080	14.80	PASS
N5	15	15	CP-16QAM	H	Outer_Full	14.053	14.79	PASS
N5	15	15	CP-64QAM	H	Outer_Full	14.064	14.83	PASS
N5	15	15	CP-256QAM	H	Outer_Full	14.072	14.86	PASS
N5	15	20	DFT-QPSK	L	Outer_Full	17.844	18.62	PASS
N5	15	20	DFT-PI2BPSK	L	Outer_Full	17.852	18.63	PASS
N5	15	20	DFT-16QAM	L	Outer_Full	17.867	18.66	PASS
N5	15	20	DFT-64QAM	L	Outer_Full	17.856	18.67	PASS
N5	15	20	DFT-256QAM	L	Outer_Full	17.856	18.70	PASS
N5	15	20	CP-QPSK	L	Outer_Full	18.903	19.79	PASS
N5	15	20	CP-16QAM	L	Outer_Full	18.904	19.71	PASS
N5	15	20	CP-64QAM	L	Outer_Full	18.887	19.80	PASS
N5	15	20	CP-256QAM	L	Outer_Full	18.898	19.74	PASS
N5	15	20	DFT-QPSK	M	Outer_Full	17.826	18.75	PASS
N5	15	20	DFT-PI2BPSK	M	Outer_Full	17.843	18.79	PASS
N5	15	20	DFT-16QAM	M	Outer_Full	17.853	18.67	PASS
N5	15	20	DFT-64QAM	M	Outer_Full	17.832	18.67	PASS
N5	15	20	DFT-256QAM	M	Outer_Full	17.822	18.62	PASS
N5	15	20	CP-QPSK	M	Outer_Full	18.885	19.70	PASS
N5	15	20	CP-16QAM	M	Outer_Full	18.912	19.72	PASS
N5	15	20	CP-64QAM	M	Outer_Full	18.872	19.76	PASS
N5	15	20	CP-256QAM	M	Outer_Full	18.909	19.65	PASS
N5	15	20	DFT-QPSK	H	Outer_Full	17.810	18.64	PASS
N5	15	20	DFT-PI2BPSK	H	Outer_Full	17.827	18.70	PASS
N5	15	20	DFT-16QAM	H	Outer_Full	17.812	18.62	PASS
N5	15	20	DFT-64QAM	H	Outer_Full	17.832	18.68	PASS
N5	15	20	DFT-256QAM	H	Outer_Full	17.825	18.66	PASS
N5	15	20	CP-QPSK	H	Outer_Full	18.889	19.72	PASS
N5	15	20	CP-16QAM	H	Outer_Full	18.876	19.68	PASS
N5	15	20	CP-64QAM	H	Outer_Full	18.839	19.73	PASS
N5	15	20	CP-256QAM	H	Outer_Full	18.884	19.73	PASS



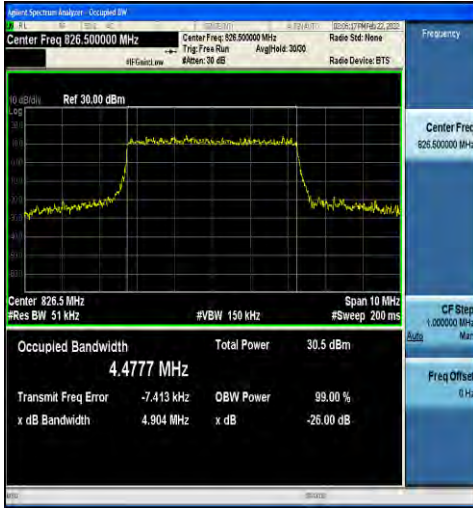
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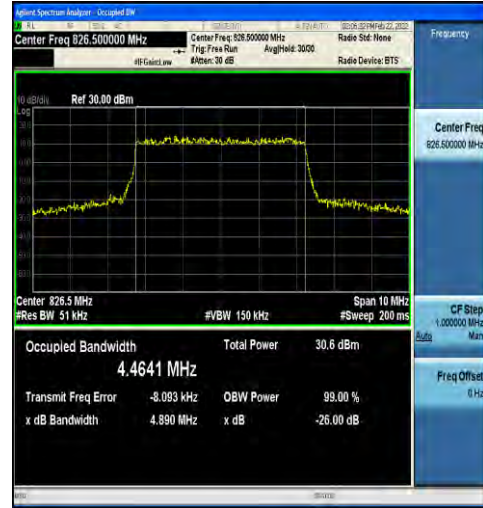
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Test Graphs



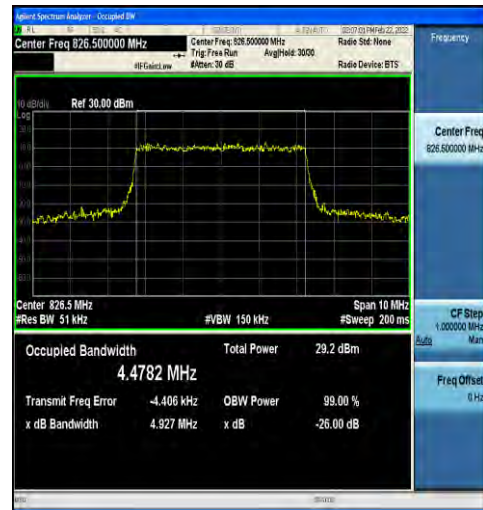
1-N5-15-5-L-1-DFT-QPSK-Outer\_Full-25@0-Ant1-4.  
4777-4.904-≤5-PASS



1-N5-15-5-L-2-DFT-P12BPSK-Outer\_Full-25@0-Ant1  
-4.4641-4.890-≤5-PASS



1-N5-15-5-L-3-DFT-16QAM-Outer\_Full-25@0-Ant1-  
4.4574-4.852-≤5-PASS

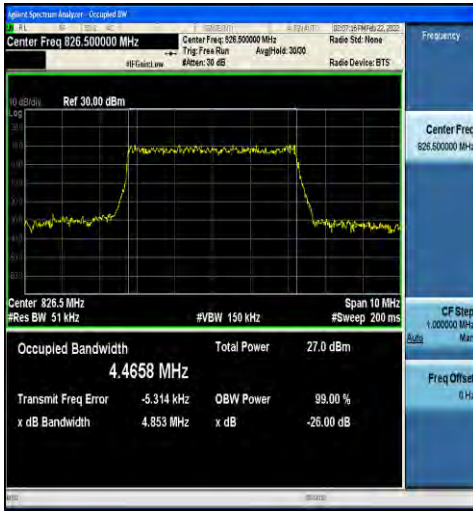


1-N5-15-5-L-4-DFT-64QAM-Outer\_Full-25@0-Ant1-4  
.4782-4.927-≤5-PASS

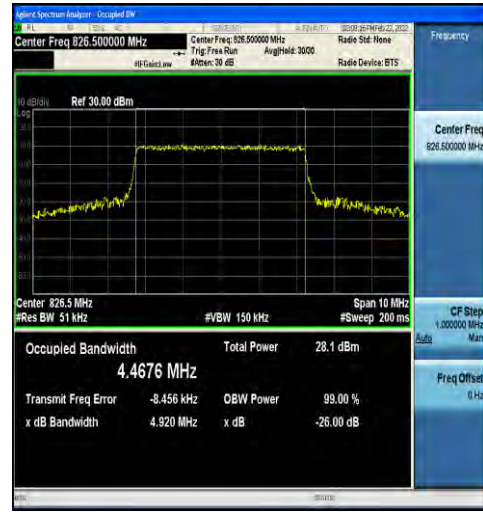


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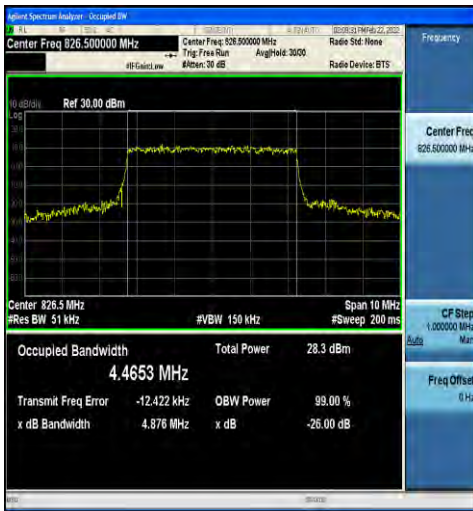
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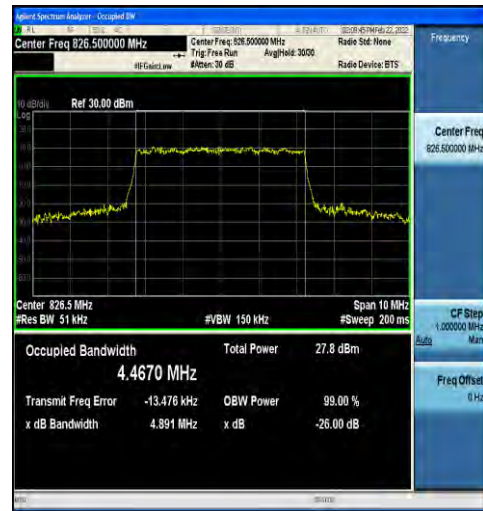
1-N5-15-5-L-5-DFT-256QAM-Outer\_Full-25@0-Ant1  
-4.4658-4.853-≤5-PASS



1-N5-15-5-L-6-CP-QPSK-Outer\_Full-25@0-Ant1-4.4  
676-4.920-≤5-PASS



1-N5-15-5-L-7-CP-16QAM-Outer\_Full-25@0-Ant1-4.  
4653-4.876-≤5-PASS



1-N5-15-5-L-8-CP-64QAM-Outer\_Full-25@0-Ant1-4.  
4670-4.891-≤5-PASS

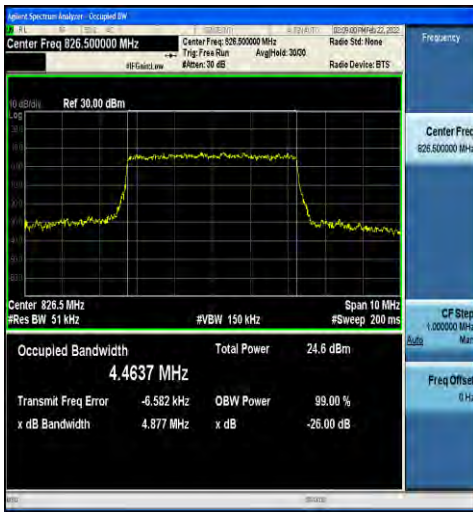


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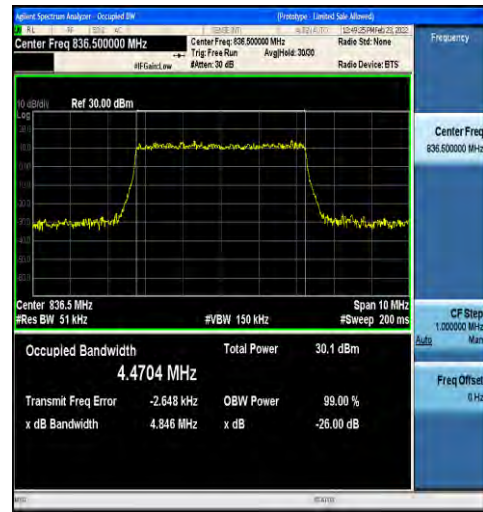
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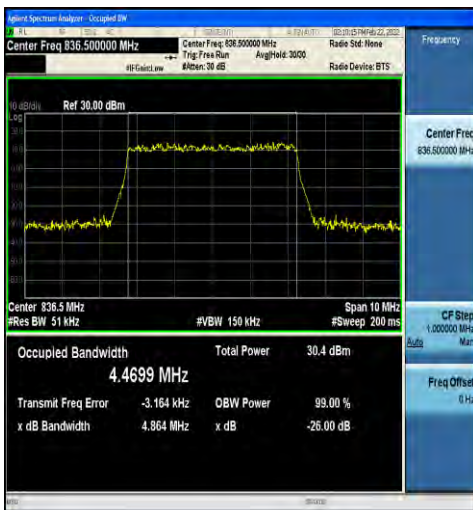
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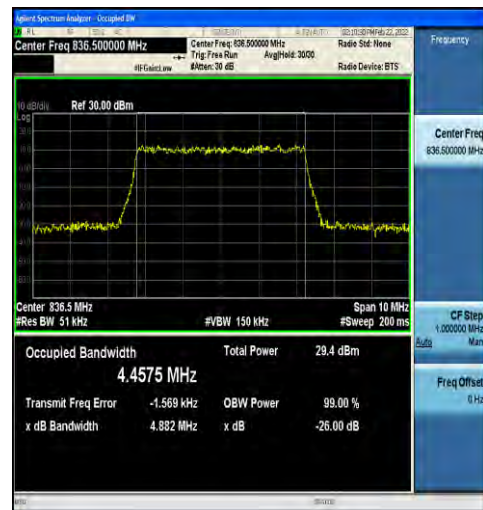
1-N5-15-5-L-9-CP-256QAM-Outer\_Full-25@0-Ant1-4.4637-4.877- $\leq 5$ -PASS



1-N5-15-5-M-1-DFT-QPSK-Outer\_Full-25@0-Ant1-4.704-4.846- $\leq 5$ -PASS



1-N5-15-5-M-2-DFT-PI2BPSK-Outer\_Full-25@0-Ant1-4.4699-4.864- $\leq 5$ -PASS



1-N5-15-5-M-3-DFT-16QAM-Outer\_Full-25@0-Ant1-4.4575-4.882- $\leq 5$ -PASS

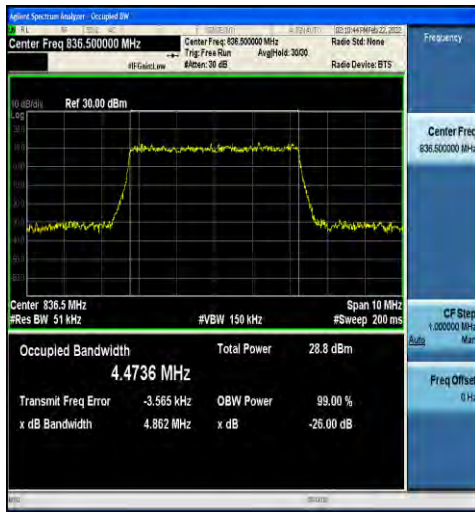


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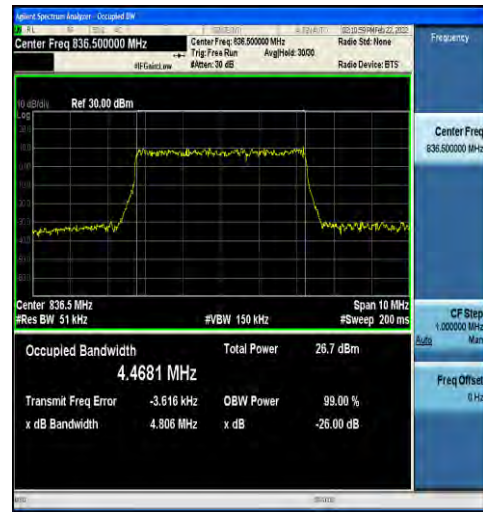
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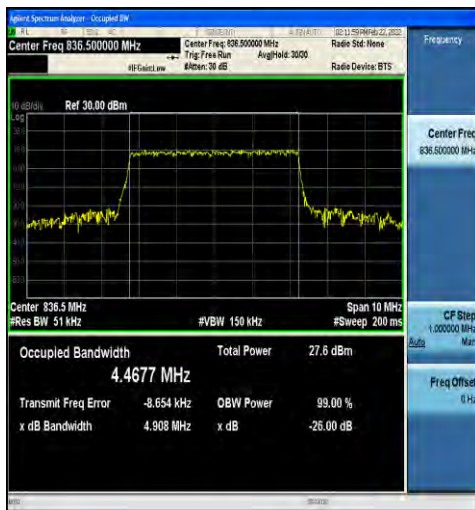
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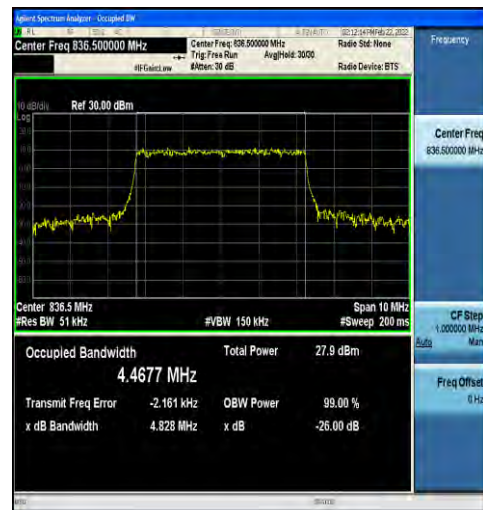
1-N5-15-5-M-4-DFT-64QAM-Outer\_Full-25@0-Ant1-4.4736-4.862-≤5-PASS



1-N5-15-5-M-5-DFT-256QAM-Outer\_Full-25@0-Ant1-4.4681-4.806-≤5-PASS



1-N5-15-5-M-6-CP-QPSK-Outer\_Full-25@0-Ant1-4.4677-4.908-≤5-PASS



1-N5-15-5-M-7-CP-16QAM-Outer\_Full-25@0-Ant1-4.4677-4.828-≤5-PASS

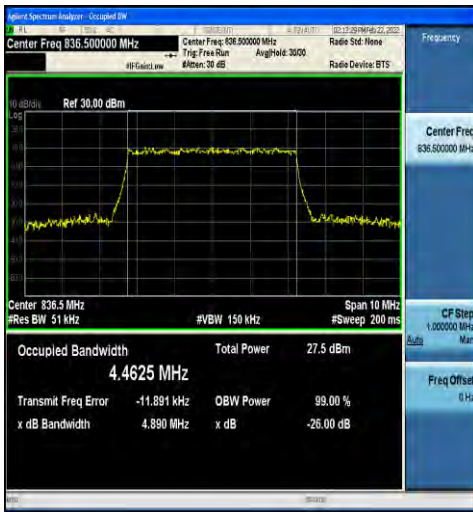


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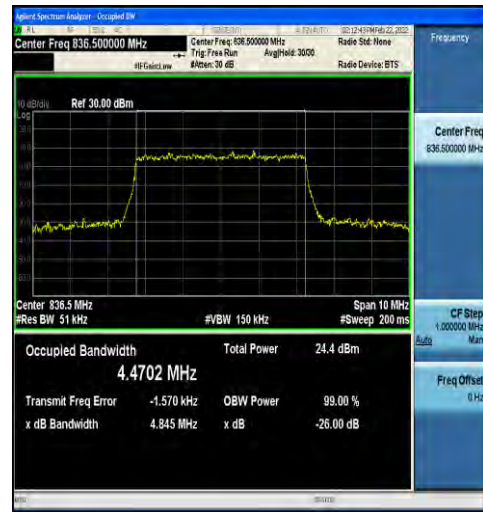
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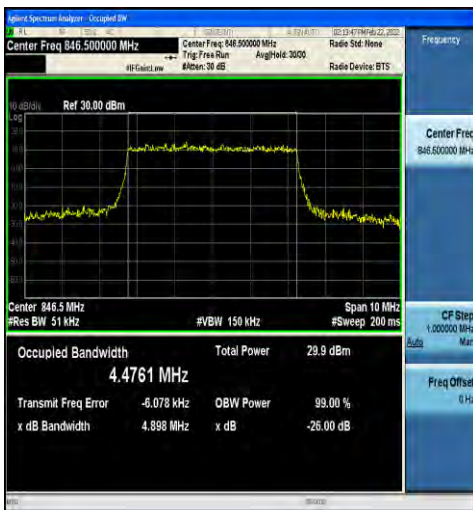
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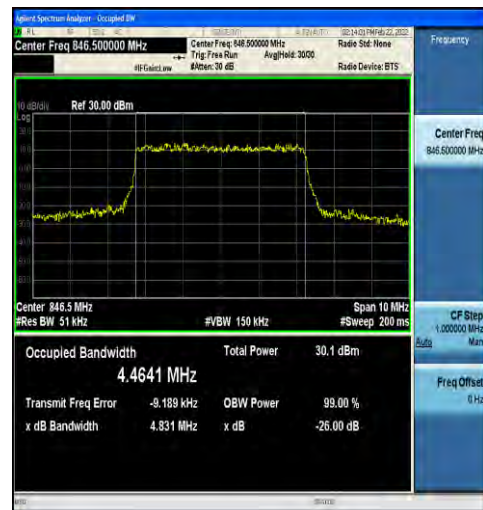
1-N5-15-5-M-8-CP-64QAM-Outer\_Full-25@0-Ant1-4  
4.4625-4.890-≤5-PASS



1-N5-15-5-M-9-CP-256QAM-Outer\_Full-25@0-Ant1-4  
4.4702-4.845-≤5-PASS



1-N5-15-5-H-1-DFT-QPSK-Outer\_Full-25@0-Ant1-4.  
4761-4.898-≤5-PASS



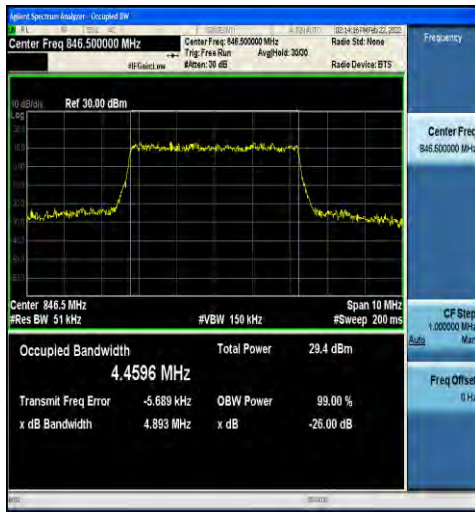
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-4.4641-4.831-≤5-PASS



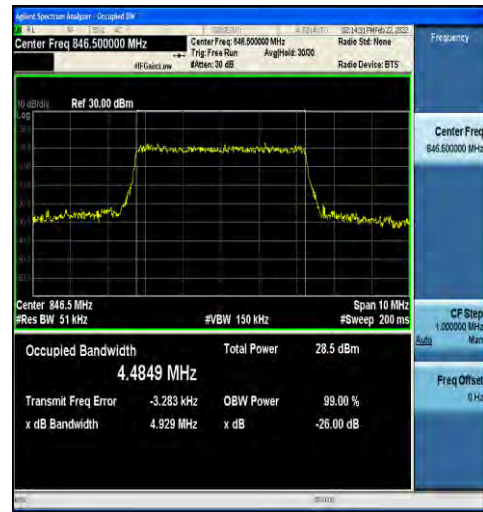
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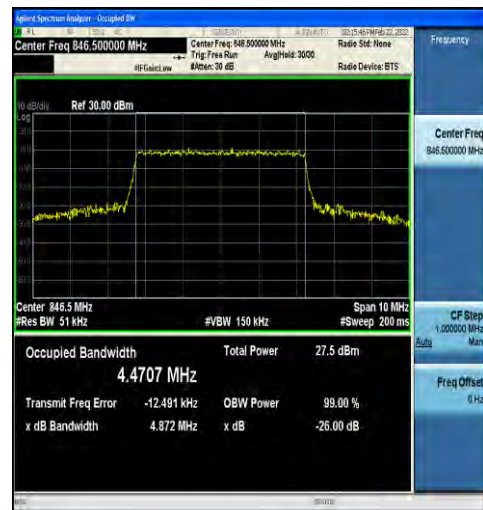
1-N5-15-5-H-3-DFT-16QAM-Outer\_Full-25@0-Ant1-4.4596-4.893-≤5-PASS



1-N5-15-5-H-4-DFT-64QAM-Outer\_Full-25@0-Ant1-4.4849-4.929-≤5-PASS



1-N5-15-5-H-5-DFT-256QAM-Outer\_Full-25@0-Ant1-4.4673-4.883-≤5-PASS



1-N5-15-5-H-6-CP-QPSK-Outer\_Full-25@0-Ant1-4.4707-4.872-≤5-PASS

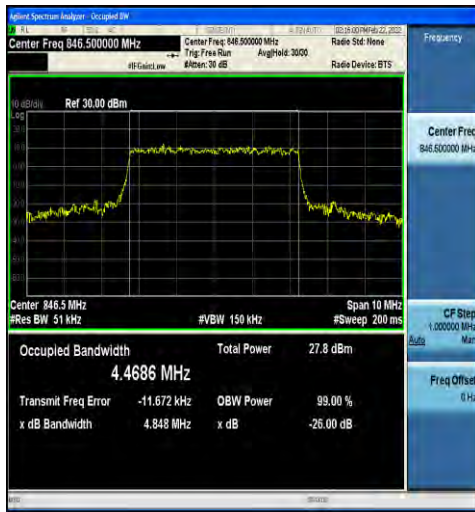


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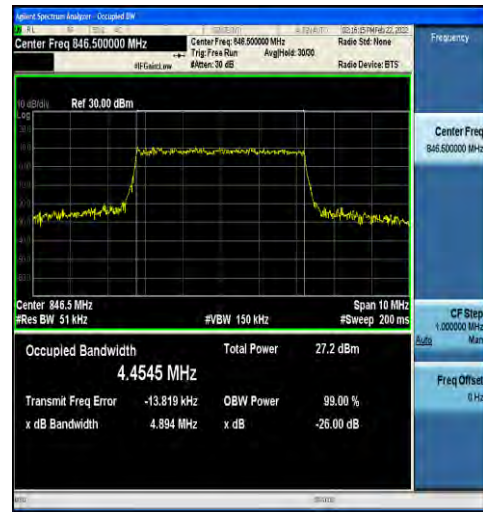
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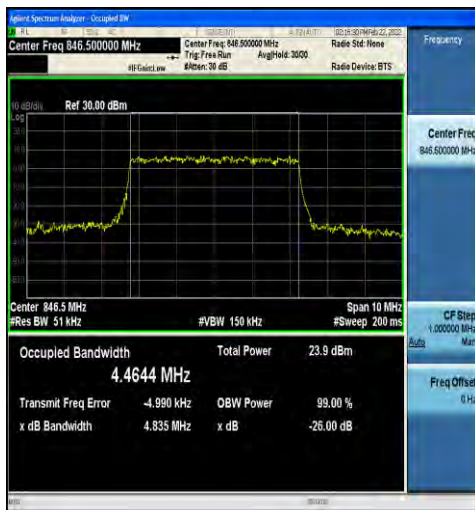
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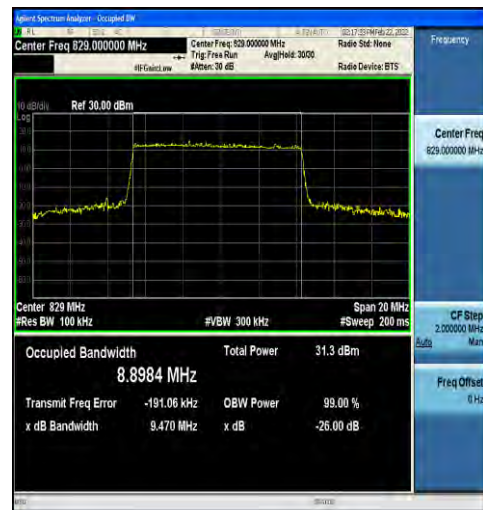
1-N5-15-5-H-7-CP-16QAM-Outer\_Full-25@0-Ant1-4.  
4686-4.848-≤5-PASS



1-N5-15-5-H-8-CP-64QAM-Outer\_Full-25@0-Ant1-4.  
4545-4.894-≤5-PASS



1-N5-15-5-H-9-CP-256QAM-Outer\_Full-25@0-Ant1-  
4.4644-4.835-≤5-PASS



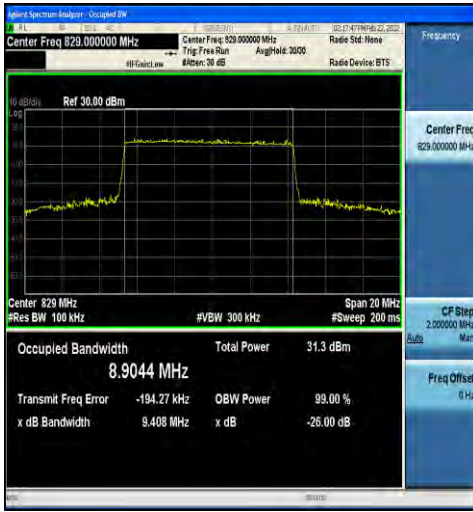
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.8984-9.470-≤10-PASS



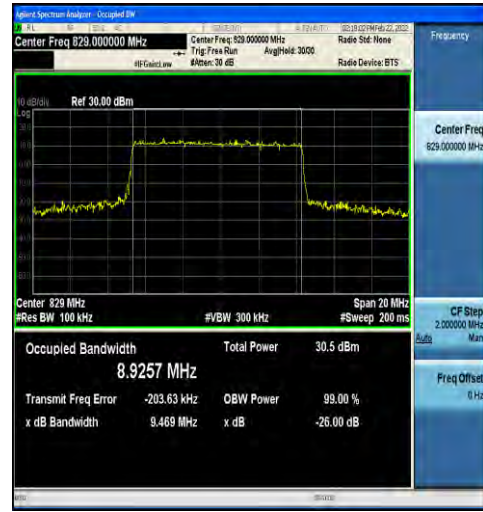
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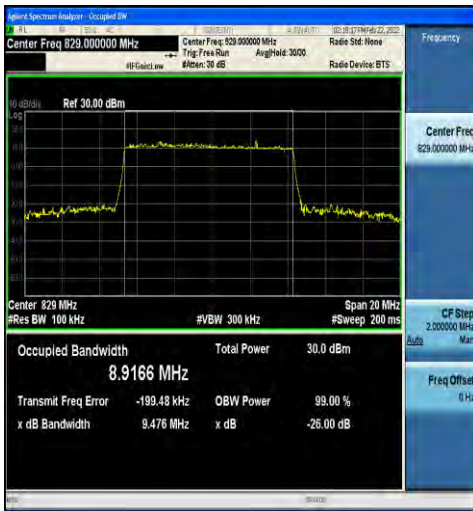
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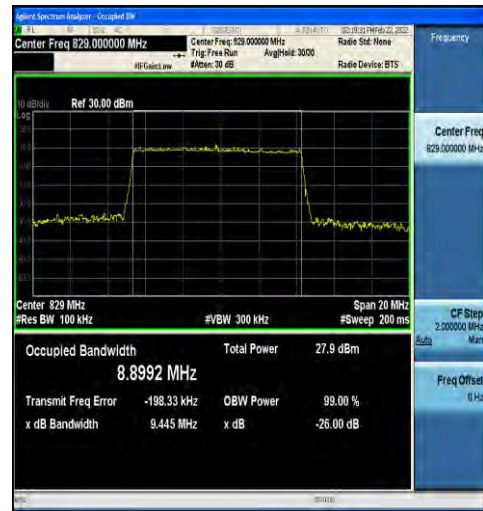
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1-8.9044-9.408-≤10-PASS



1-N5-15-10-L-3-DFT-16QAM-Outer\_Full-50@0-Ant1  
8.9257-9.469-≤10-PASS



1-N5-15-10-L-4-DFT-64QAM-Outer\_Full-50@0-Ant1  
-8.9166-9.476-≤10-PASS



1-N5-15-10-L-5-DFT-256QAM-Outer\_Full-50@0-Ant  
1-8.8992-9.445-≤10-PASS

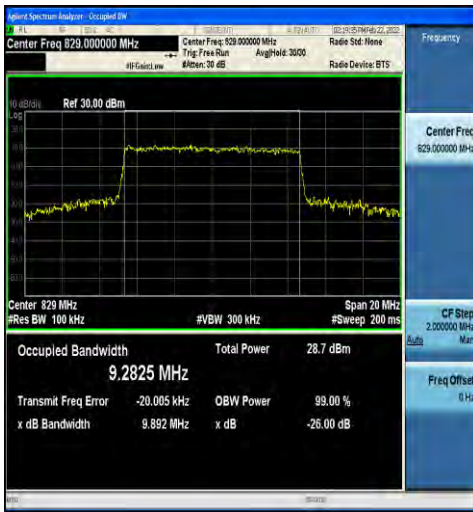


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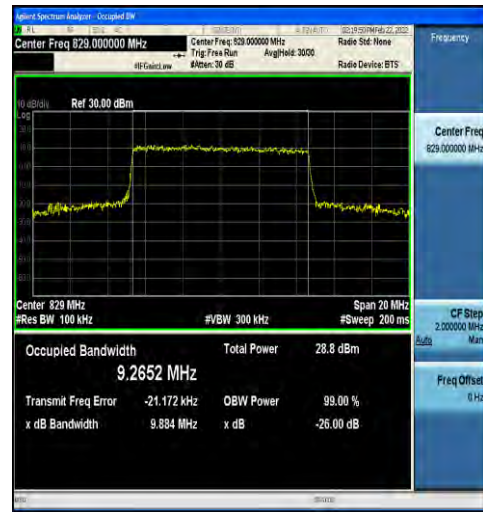
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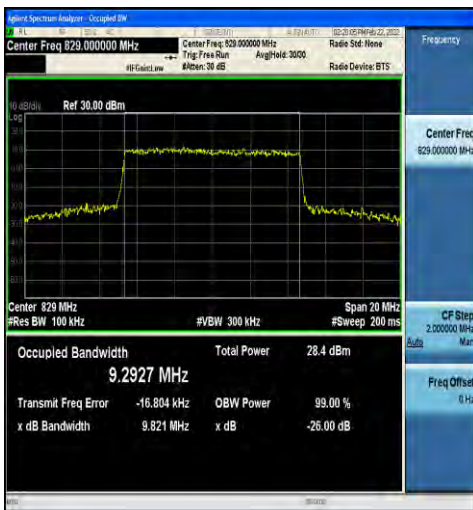




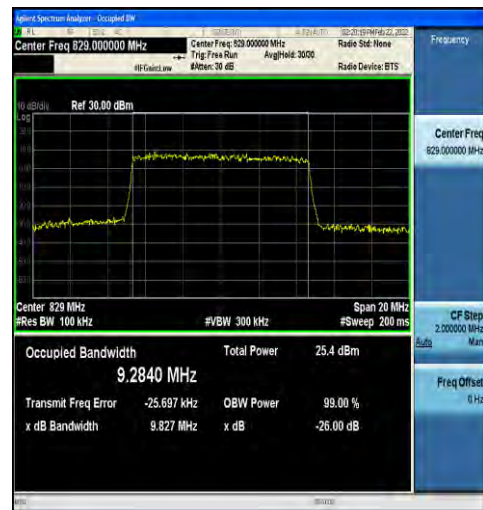
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2825-9.892-≤10-PASS



1-N5-15-10-L-7-CP-16QAM-Outer\_Full-52@0-Ant1-9  
.2652-9.884-≤10-PASS



1-N5-15-10-L-8-CP-64QAM-Outer\_Full-52@0-Ant1-9.  
9.2927-9.821-≤10-PASS



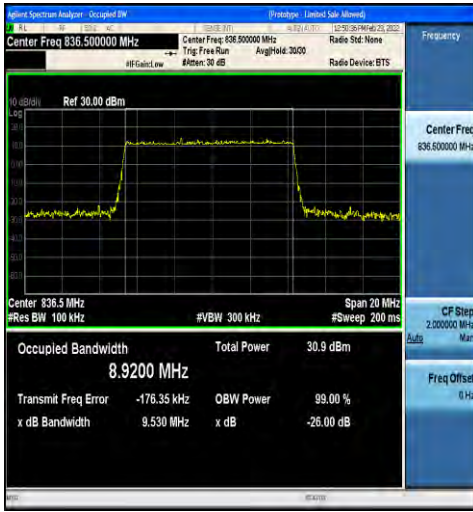
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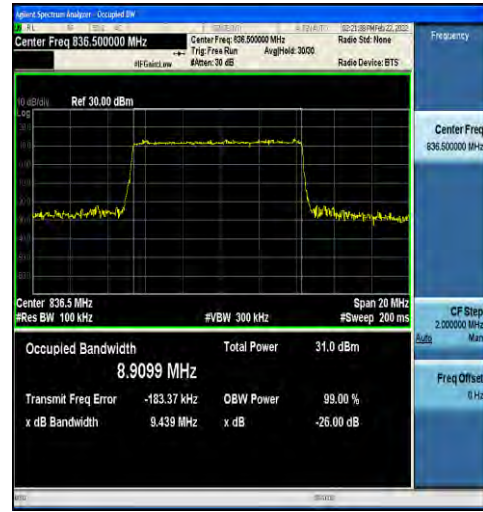
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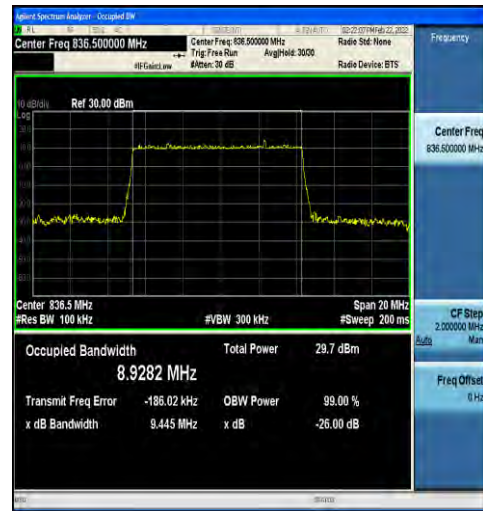
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1-N5-15-10-M-2-DFT-PI2BPSK-Outer\_Full-50@0-An t1-8.9099-9.439-≤10-PASS



1-N5-15-10-M-3-DFT-16QAM-Outer\_Full-50@0-Ant1-8.9266-9.503-≤10-PASS



1-N5-15-10-M-4-DFT-64QAM-Outer\_Full-50@0-Ant1-8.9282-9.445-≤10-PASS

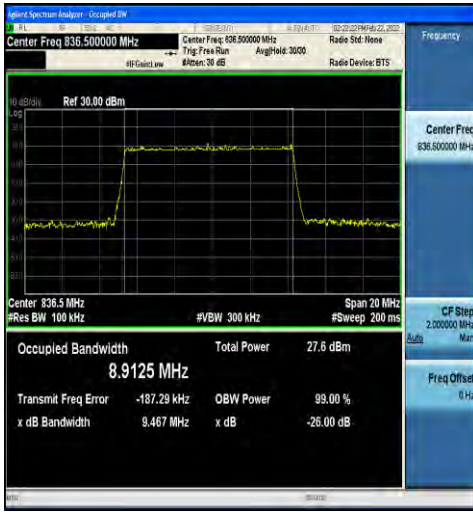


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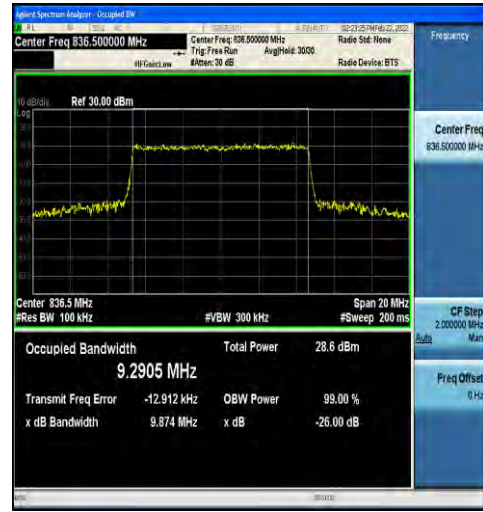
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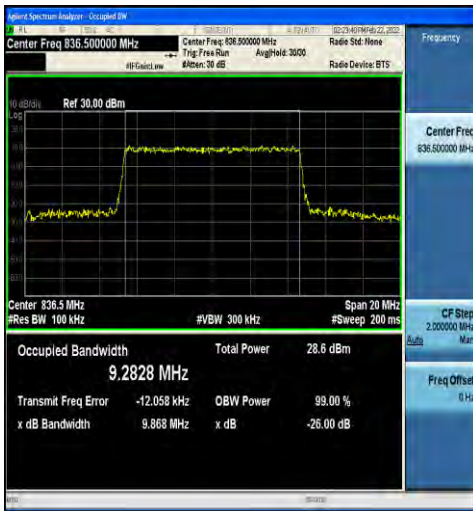
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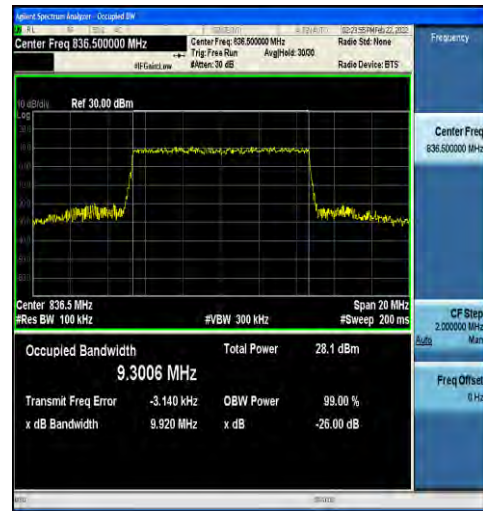
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1-8.9125-9.467-≤10-PASS



1-N5-15-10-M-6-CP-QPSK-Outer\_Full-52@0-Ant1-9.  
2905-9.874-≤10-PASS



1-N5-15-10-M-7-CP-16QAM-Outer\_Full-52@0-Ant1-9.  
9.2828-9.868-≤10-PASS



1-N5-15-10-M-8-CP-64QAM-Outer\_Full-52@0-Ant1-9.  
9.3006-9.920-≤10-PASS



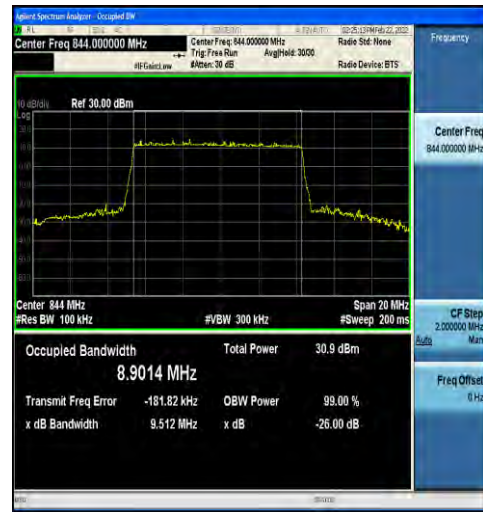
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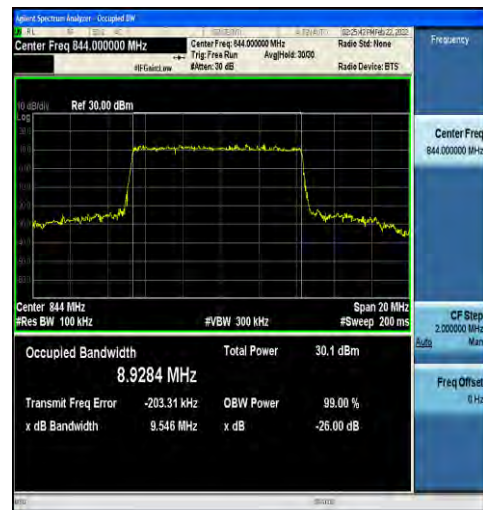
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1-9.2867-9.877-≤10-PASS



1-N5-15-10-H-1-DFT-QPSK-Outer\_Full-50@0-Ant1-  
8.9014-9.512-≤10-PASS



1-N5-15-10-H-2-DFT-P12BPSK-Outer\_Full-50@0-An  
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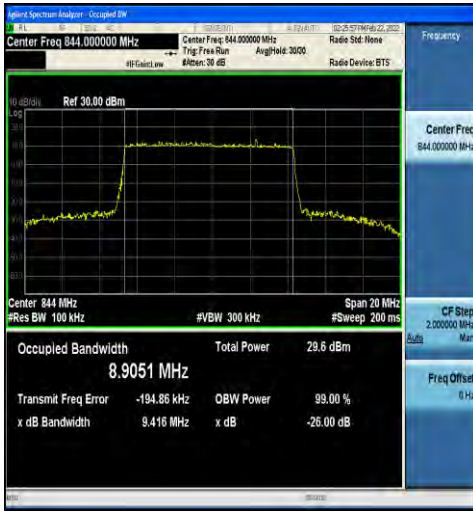
1-N5-15-10-H-3-DFT-16QAM-Outer\_Full-50@0-Ant1  
-8.9284-9.546-≤10-PASS



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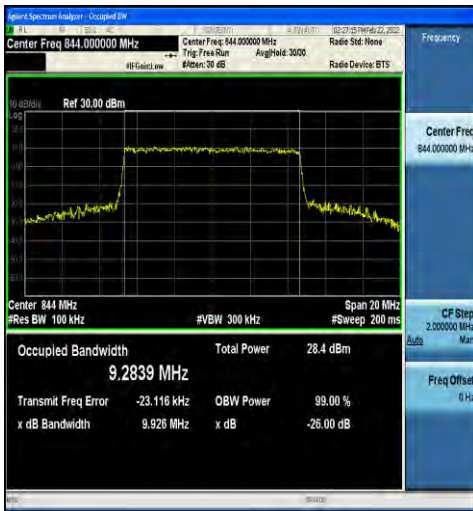
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-8.9051-9.416-≤10-PASS



1-N5-15-10-H-5-DFT-256QAM-Outer\_Full-50@0-Ant  
1-8.9011-9.425-≤10-PASS



1-N5-15-10-H-6-CP-QPSK-Outer\_Full-52@0-Ant1-9.  
2839-9.926-≤10-PASS



1-N5-15-10-H-7-CP-16QAM-Outer\_Full-52@0-Ant1-  
9.2731-9.884-≤10-PASS

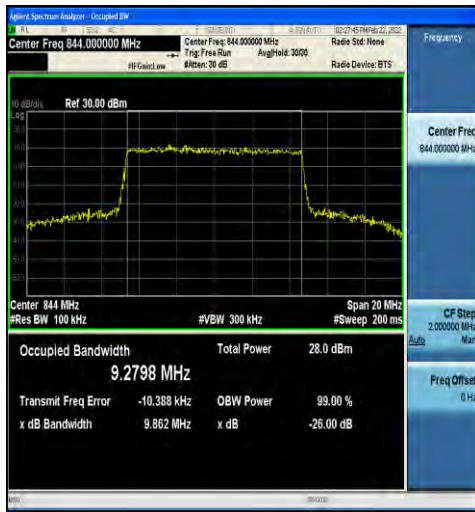


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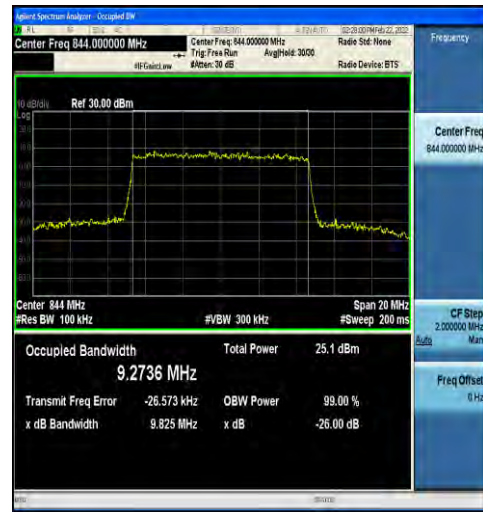
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1-N5-15-10-H-8-CP-64QAM-Outer\_Full-52@0-Ant1-9.2798-9.862-≤10-PASS



1-N5-15-10-H-9-CP-256QAM-Outer\_Full-52@0-Ant1-9.2736-9.825-≤10-PASS



1-N5-15-15-L-1-DFT-QPSK-Outer\_Full-75@0-Ant1-3.422-14.10-≤15-PASS



1-N5-15-15-L-2-DFT-PI2BPSK-Outer\_Full-75@0-Ant1-1-13.404-14.14-≤15-PASS



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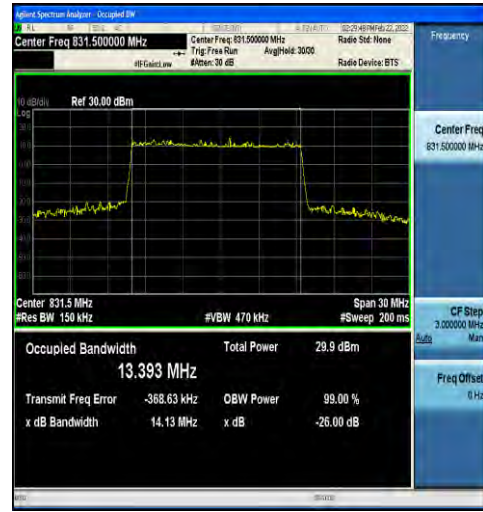
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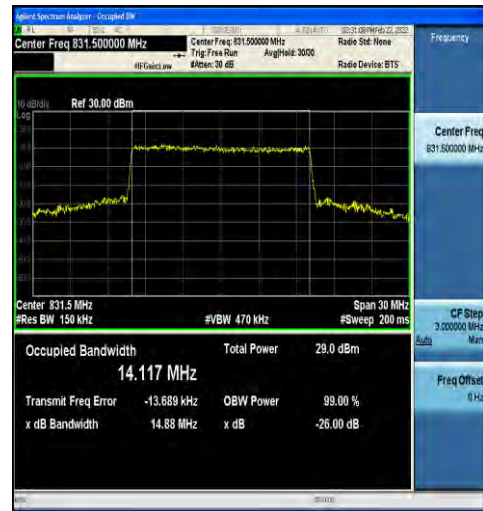
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-13.395-14.15≤15-PASS



1-N5-15-15-L-4-DFT-64QAM-Outer\_Full-75@0-Ant1-  
13.393-14.13≤15-PASS



1-N5-15-15-L-5-DFT-256QAM-Outer\_Full-75@0-Ant  
1-13.424-14.16≤15-PASS



1-N5-15-15-L-6-CP-QPSK-Outer\_Full-79@0-Ant1-14  
.117-14.88≤15-PASS



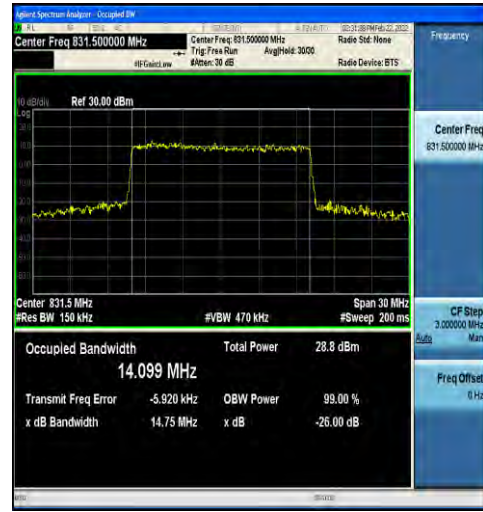
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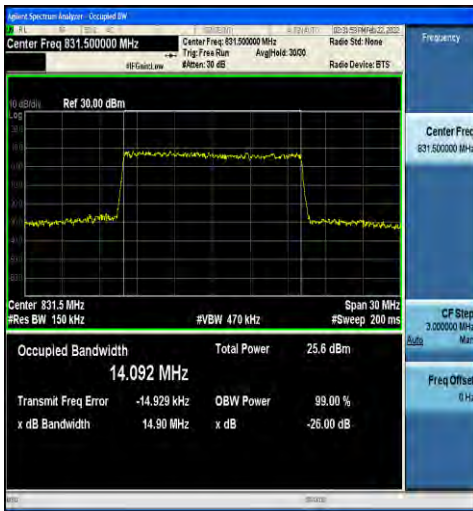
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1-N5-15-15-L-7-CP-16QAM-Outer\_Full-79@0-Ant1-14.084-15.41-≤15-PASS



1-N5-15-15-L-8-CP-64QAM-Outer\_Full-79@0-Ant1-14.099-14.75-≤15-PASS



1-N5-15-15-L-9-CP-256QAM-Outer\_Full-79@0-Ant1-14.092-14.90-≤15-PASS



1-N5-15-15-M-1-DFT-QPSK-Outer\_Full-75@0-Ant1-13.395-14.12-≤15-PASS

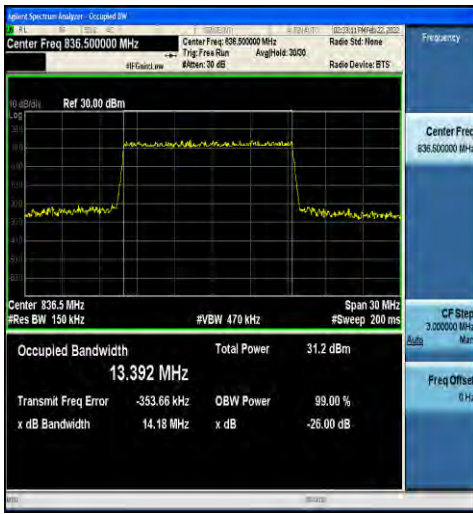


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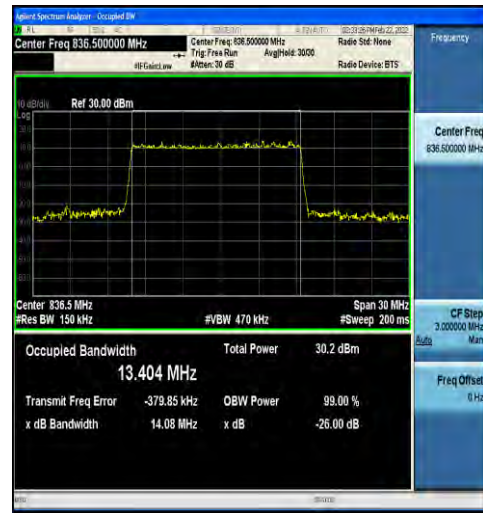
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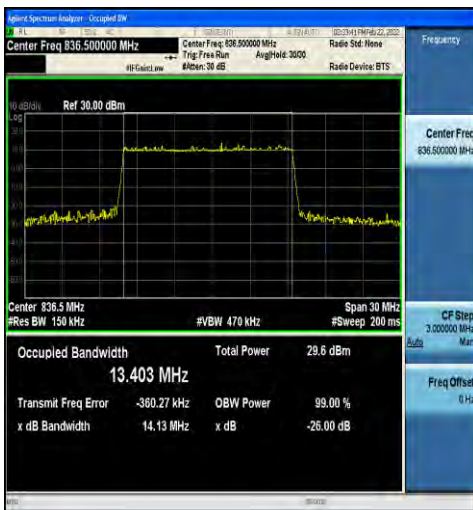




1-N5-15-15-M-2-DFT-P12BPSK-Outer\_Full-75@0-Ant1-13.392-14.18-≤15-PASS



1-N5-15-15-M-3-DFT-16QAM-Outer\_Full-75@0-Ant1-13.404-14.08-≤15-PASS



1-N5-15-15-M-4-DFT-64QAM-Outer\_Full-75@0-Ant1-13.403-14.13-≤15-PASS



1-N5-15-15-M-5-DFT-256QAM-Outer\_Full-75@0-Ant1-13.423-14.15-≤15-PASS

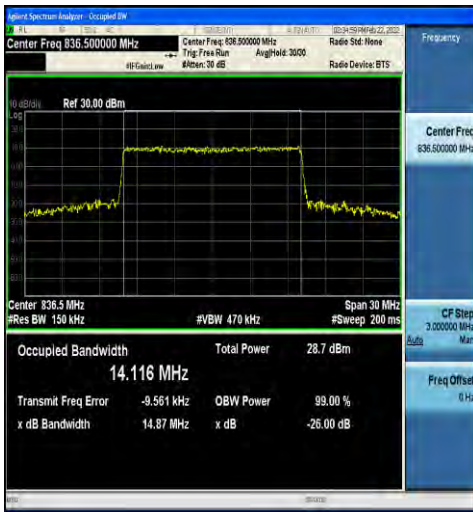


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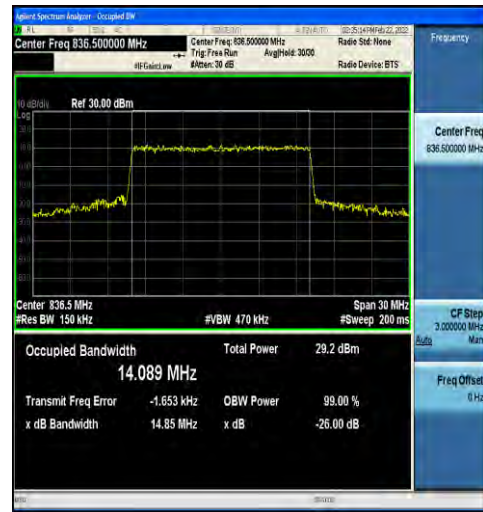
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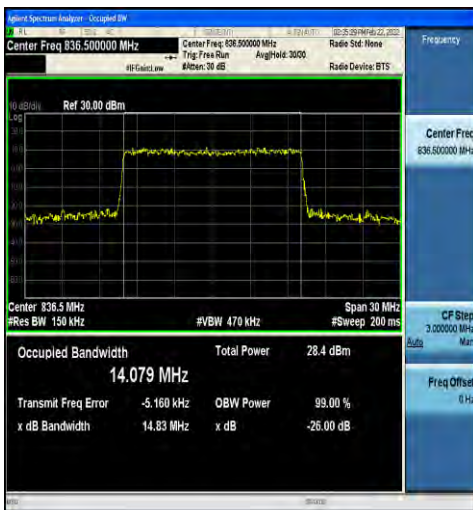
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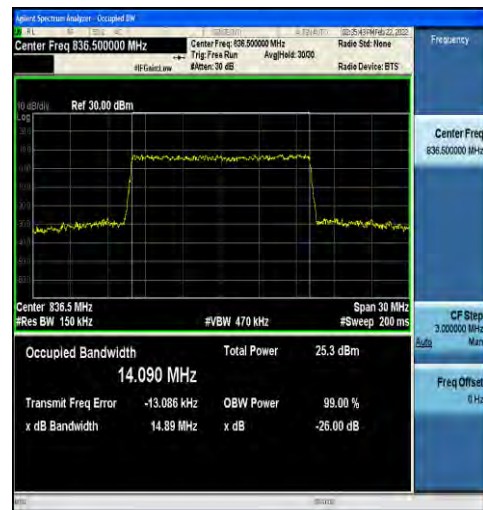
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1-N5-15-15-M-7-CP-16QAM-Outer\_Full-79@0-Ant1-1  
14.089-14.85-≤15-PASS



1-N5-15-15-M-8-CP-64QAM-Outer\_Full-79@0-Ant1-1  
14.079-14.83-≤15-PASS



1-N5-15-15-M-9-CP-256QAM-Outer\_Full-79@0-Ant1-1  
-14.090-14.89-≤15-PASS



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1-N5-15-15-H-1-DFT-QPSK-Outer\_Full-75@0-Ant1-  
13.392-14.12-≤15-PASS



1-N5-15-15-H-2-DFT-PI2BPSK-Outer\_Full-75@0-Ant  
1-13.355-14.09-≤15-PASS



1-N5-15-15-H-3-DFT-16QAM-Outer\_Full-75@0-Ant1  
-13.391-14.04-≤15-PASS



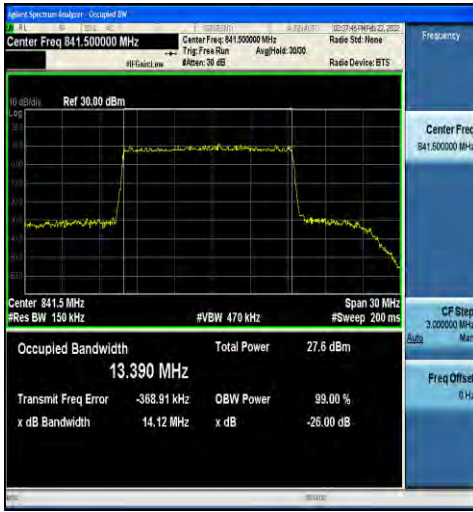
1-N5-15-15-H-4-DFT-64QAM-Outer\_Full-75@0-Ant1  
-13.389-14.07-≤15-PASS



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1-N5-15-15-H-5-DFT-256QAM-Outer\_Full-75@0-Ant  
1-13.390-14.12-≤15-PASS



1-N5-15-15-H-6-CP-QPSK-Outer\_Full-79@0-Ant1-1  
4.080-14.80-≤15-PASS



1-N5-15-15-H-7-CP-16QAM-Outer\_Full-79@0-Ant1-1  
14.053-14.79-≤15-PASS



1-N5-15-15-H-8-CP-64QAM-Outer\_Full-79@0-Ant1-1  
14.064-14.83-≤15-PASS



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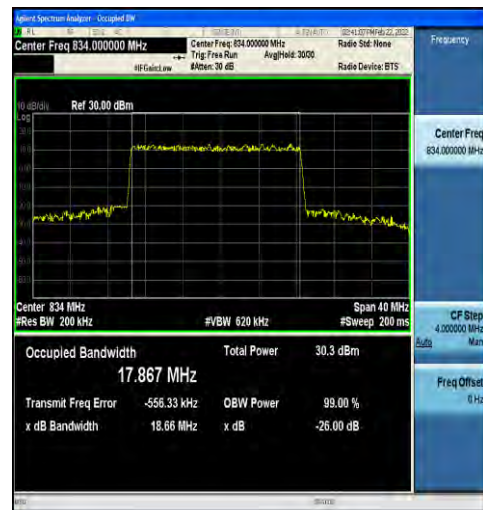
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17.844-18.62-≤20-PASS



1-N5-15-20-L-2-DFT-PI2BPSK-Outer\_Full-100@0-A  
nt1-17.852-18.63-≤20-PASS



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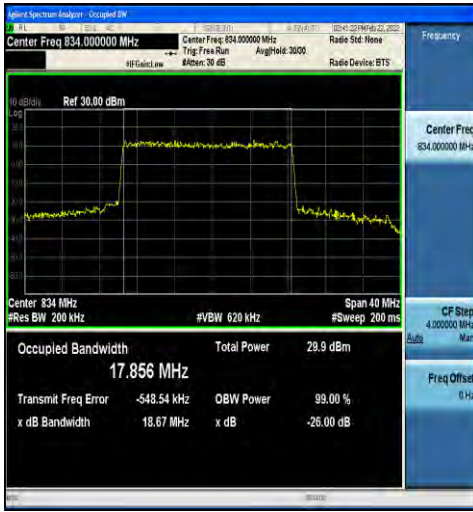


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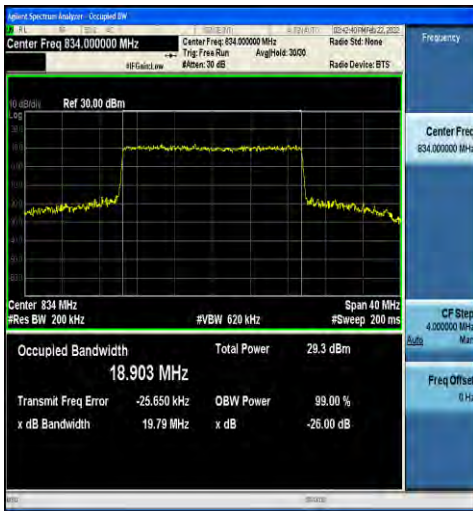
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1-N5-15-20-L-4-DFT-64QAM-Outer\_Full-100@0-Ant  
1-17.856-18.67-≤20-PASS



1-N5-15-20-L-5-DFT-256QAM-Outer\_Full-100@0-An  
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1-N5-15-20-L-6-CP-QPSK-Outer\_Full-106@0-Ant1  
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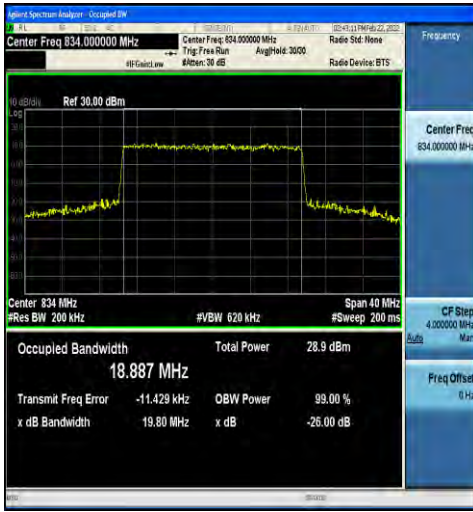


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-18.887-19.80-≤20-PASS



1-N5-15-20-L-9-CP-256QAM-Outer\_Full-106@0-Ant1  
1-18.898-19.74-≤20-PASS



1-N5-15-20-M-1-DFT-QPSK-Outer\_Full-100@0-Ant1  
-17.826-18.75-≤20-PASS



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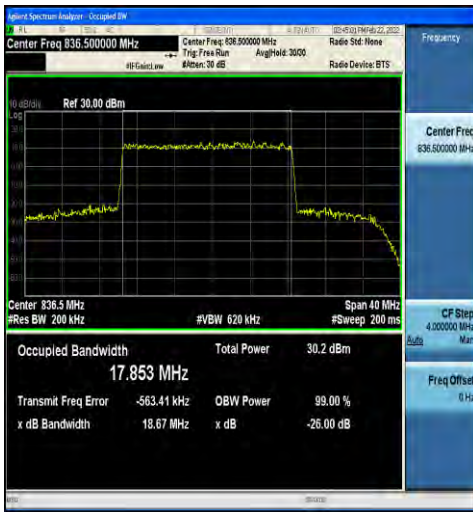


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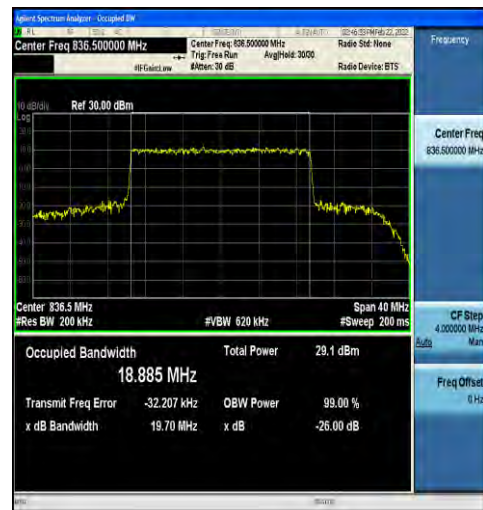
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1-17.853-18.67-≤20-PASS



1-N5-15-20-M-4-DFT-64QAM-Outer\_Full-100@0-Ant  
1-17.832-18.67-≤20-PASS



1-N5-15-20-M-5-DFT-256QAM-Outer\_Full-100@0-A  
nt1-17.822-18.62-≤20-PASS



1-N5-15-20-M-6-CP-QPSK-Outer\_Full-106@0-Ant1  
18.885-19.70-≤20-PASS



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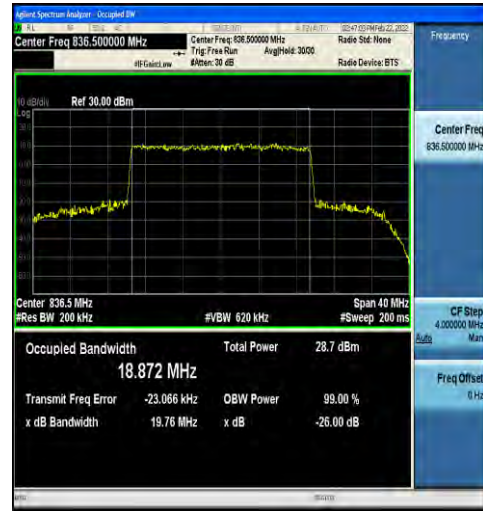
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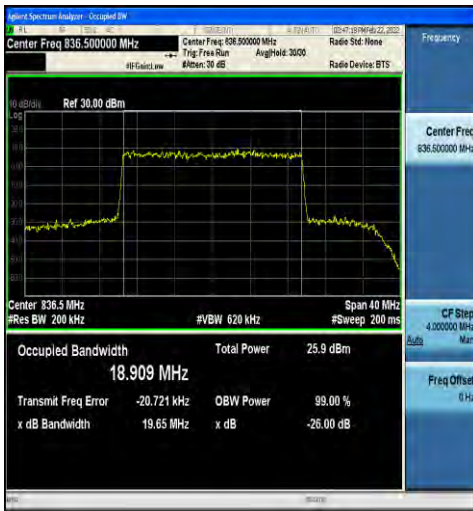




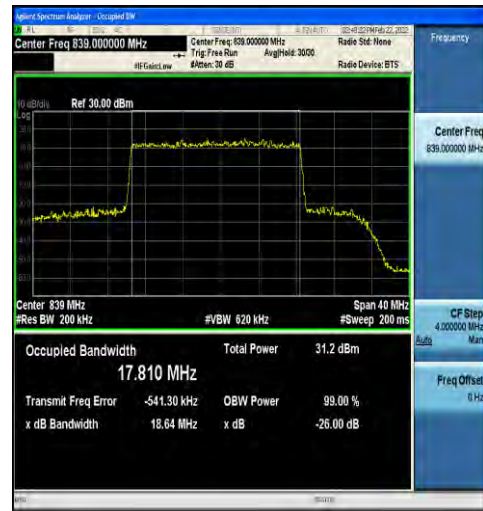
1-N5-15-20-M-7-CP-16QAM-Outer\_Full-106@0-Ant  
1-18.912-19.72-≤20-PASS



1-N5-15-20-M-8-CP-64QAM-Outer\_Full-106@0-Ant1  
-18.872-19.76-≤20-PASS



1-N5-15-20-M-9-CP-256QAM-Outer\_Full-106@0-An  
t1-18.909-19.65-≤20-PASS



1-N5-15-20-H-1-DFT-QPSK-Outer\_Full-100@0-Ant1  
-17.810-18.64-≤20-PASS



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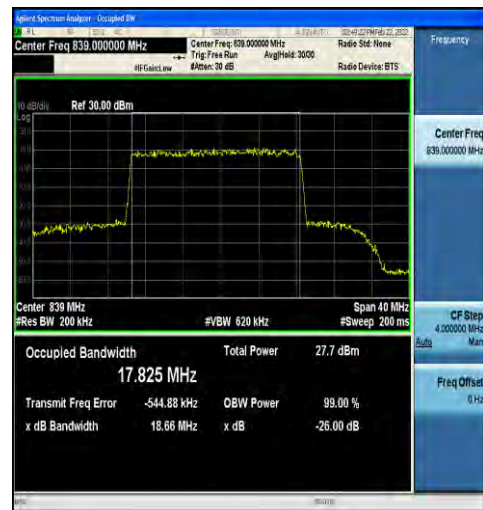
1-N5-15-20-H-2-DFT-PI2BPSK-Outer\_Full-100@0-A  
nt1-17.827-18.70-≤20-PASS



1-N5-15-20-H-3-DFT-16QAM-Outer\_Full-100@0-Ant  
1-17.812-18.62-≤20-PASS



1-N5-15-20-H-4-DFT-64QAM-Outer\_Full-100@0-Ant  
1-17.832-18.68-≤20-PASS



1-N5-15-20-H-5-DFT-256QAM-Outer\_Full-100@0-A  
nt1-17.825-18.66-≤20-PASS

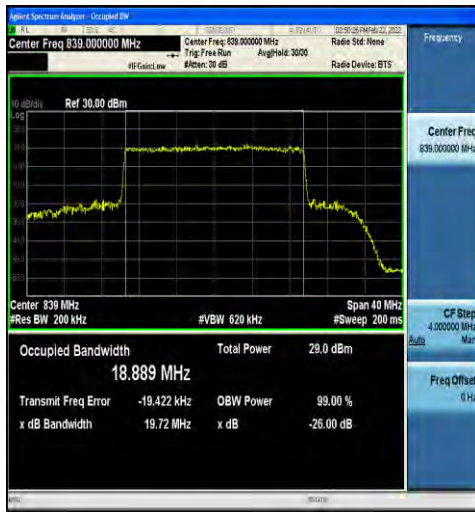


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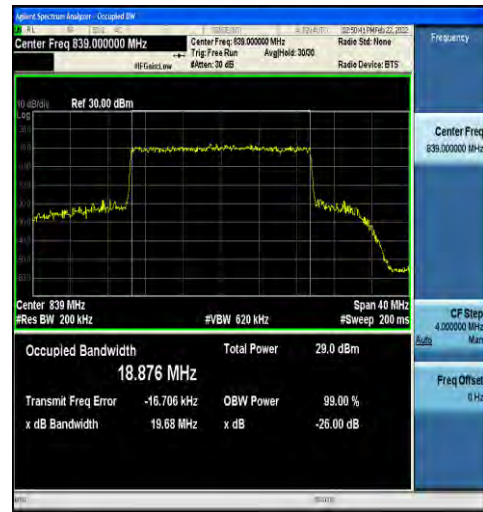
SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd.  
Wireless Laboratory

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1-N5-15-20-H-6-CP-QPSK-Outer\_Full-106@0-Ant1-18.889-19.72-≤20-PASS



1-N5-15-20-H-7-CP-16QAM-Outer\_Full-106@0-Ant1-18.876-19.68-≤20-PASS



1-N5-15-20-H-8-CP-64QAM-Outer\_Full-106@0-Ant1-18.839-19.73-≤20-PASS



1-N5-15-20-H-9-CP-256QAM-Outer\_Full-106@0-Ant1-18.884-19.73-≤20-PASS



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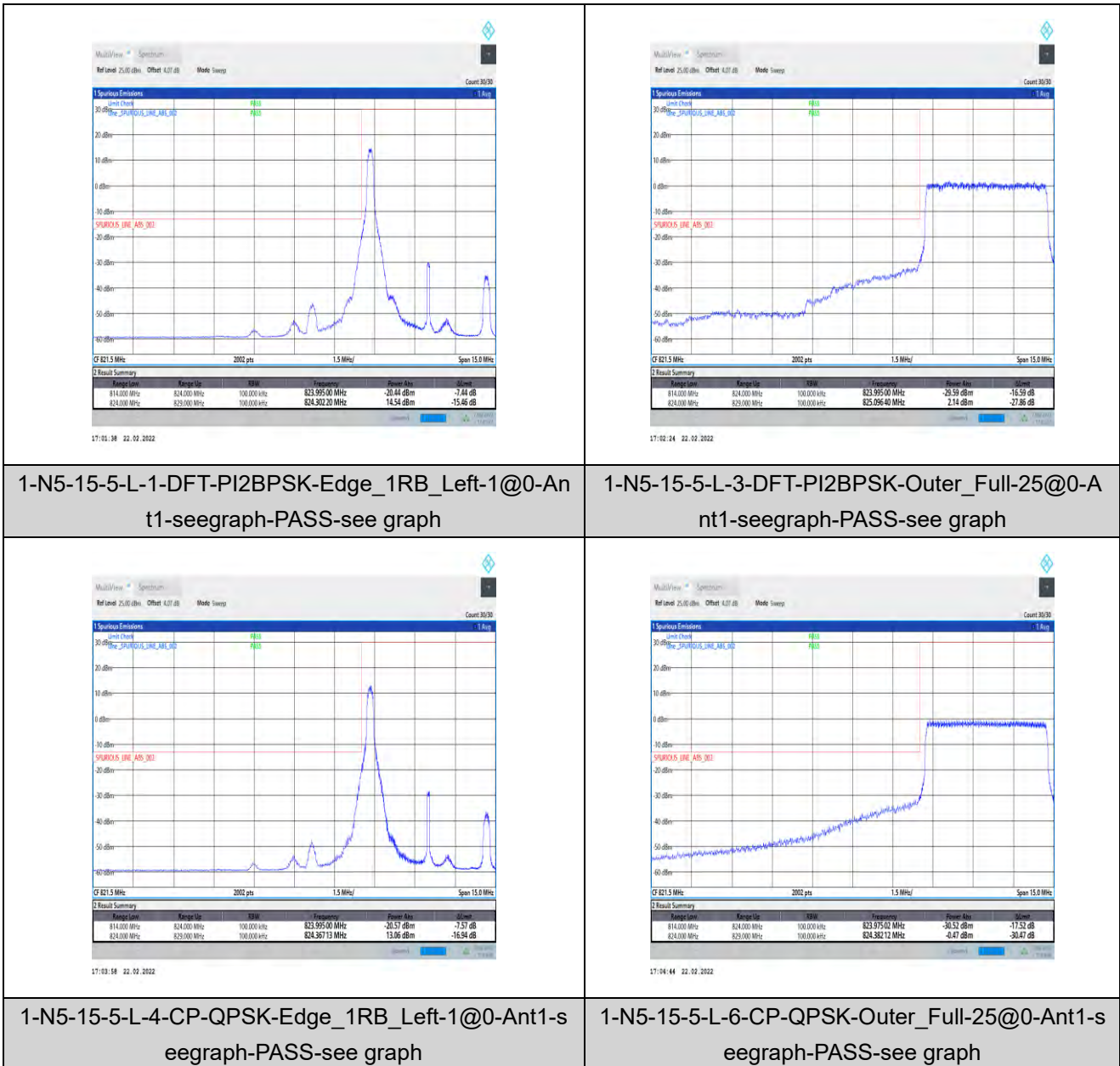
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## Band Edge for SA

### Test Graphs



1-N5-15-5-L-1-DFT-PI2BPSK-Edge\_1RB\_Left-1@0-Ant1-seegraph-PASS-see graph

1-N5-15-5-L-3-DFT-PI2BPSK-Outer\_Full-25@0-Ant1-seegraph-PASS-see graph

1-N5-15-5-L-4-CP-QPSK-Edge\_1RB\_Left-1@0-Ant1-seegraph-PASS-see graph

1-N5-15-5-L-6-CP-QPSK-Outer\_Full-25@0-Ant1-seegraph-PASS-see graph

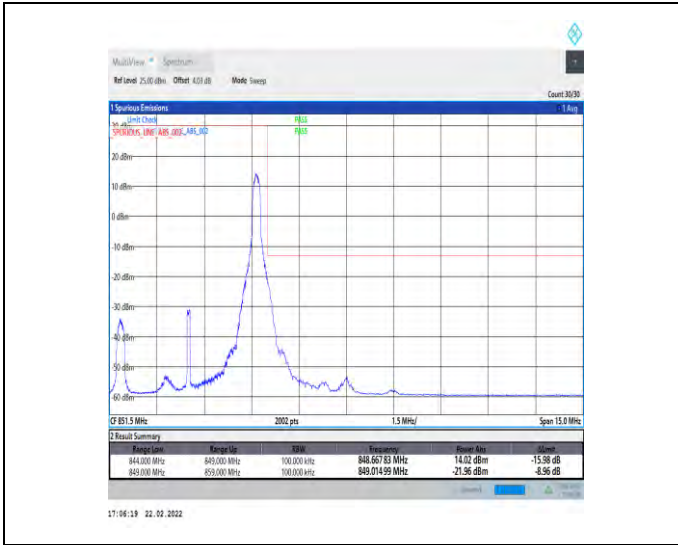


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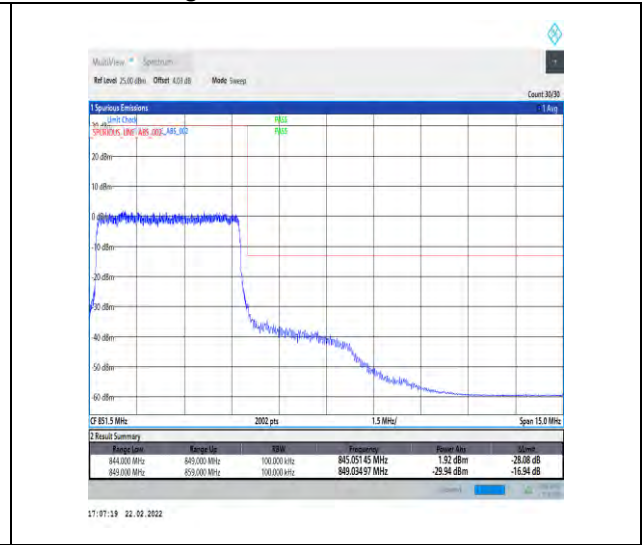
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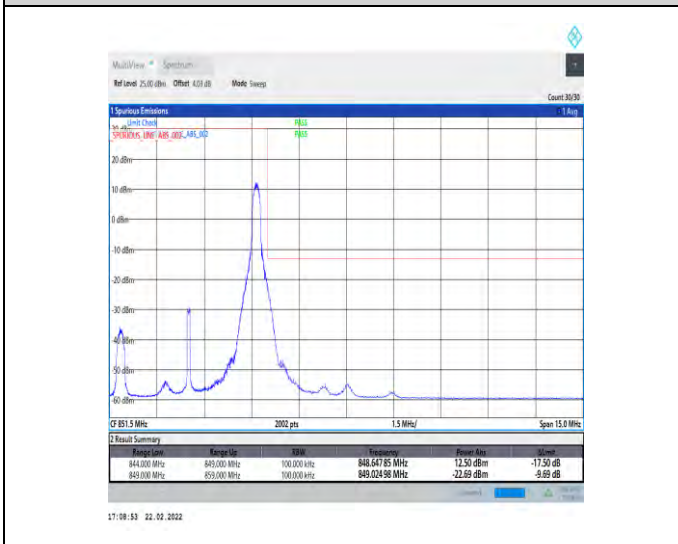
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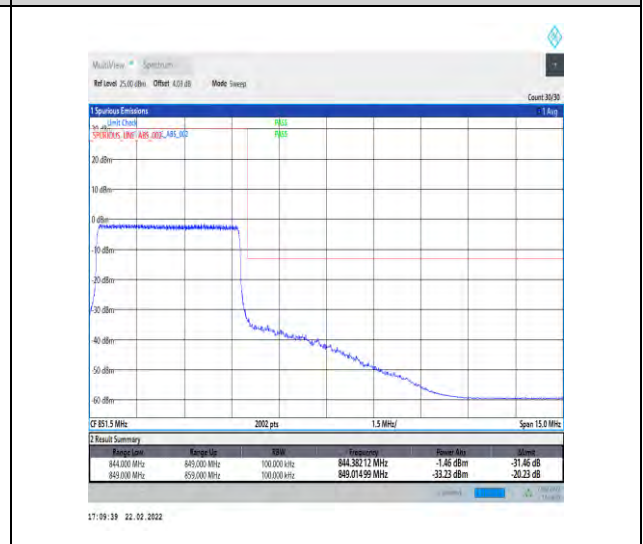
1-N5-15-5-H-2-DFT-PI2BPSK-Edge\_1RB\_Right-1@24-Ant1-seegraph-PASS-see graph



1-N5-15-5-H-3-DFT-PI2BPSK-Outer\_Full-25@0-Ant1-seegraph-PASS-see graph



1-N5-15-5-H-5-CP-QPSK-Edge\_1RB\_Right-1@24-Ant1-seegraph-PASS-see graph



1-N5-15-5-H-6-CP-QPSK-Outer\_Full-25@0-Ant1-seegraph-PASS-see graph

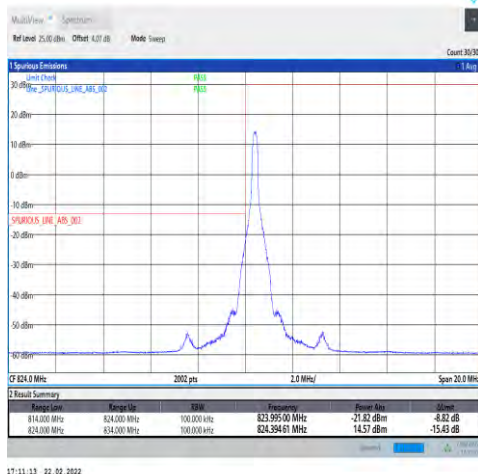


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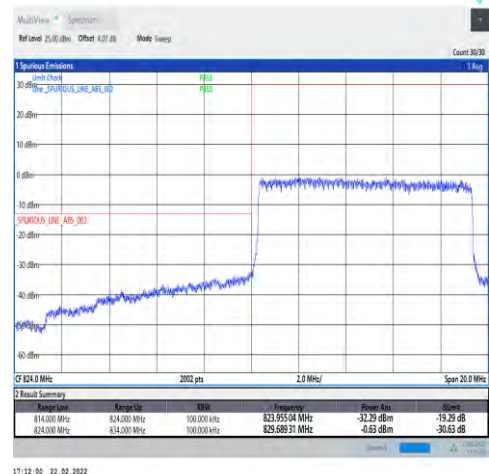
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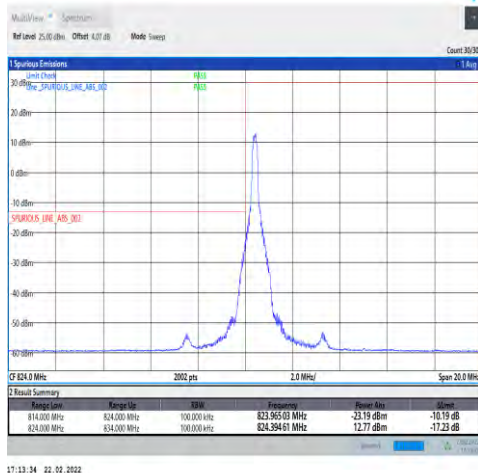
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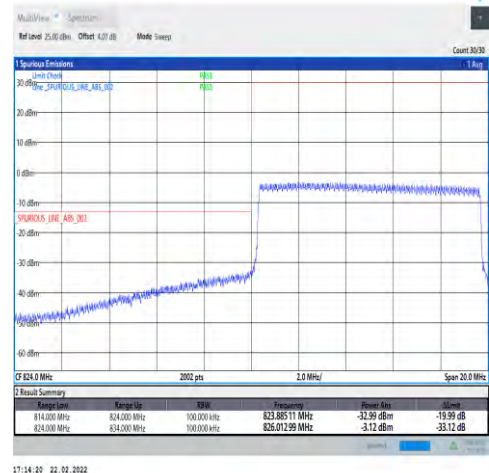
1-N5-15-10-L-1-DFT-PI2BPSK-Edge\_1RB\_Left-1@0-A  
nt1-seegraph-PASS-see graph



1-N5-15-10-L-3-DFT-PI2BPSK-Outer\_Full-50@0-Ant1-seegraph-PASS-see graph



1-N5-15-10-L-4-CP-QPSK-Edge\_1RB\_Left-1@0-Ant1-seegraph-PASS-see graph



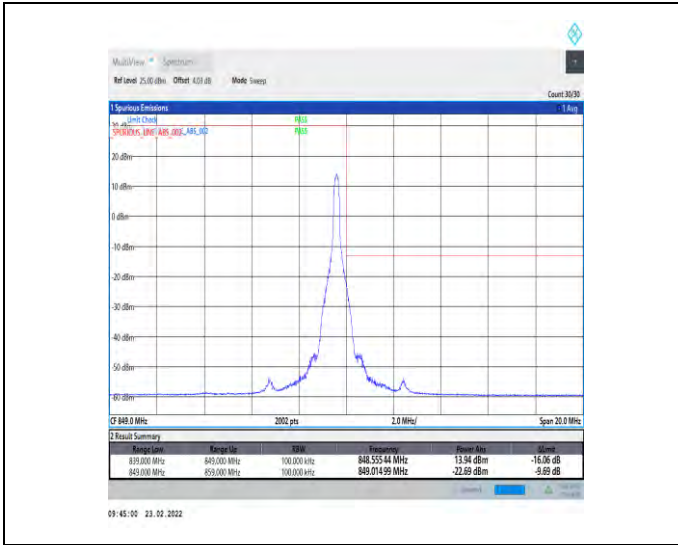
1-N5-15-10-L-6-CP-QPSK-Outer\_Full-52@0-Ant1-seegraph-PASS-see graph



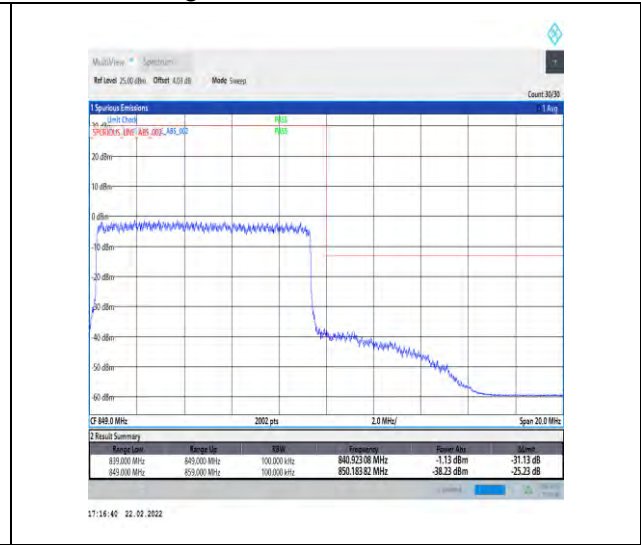
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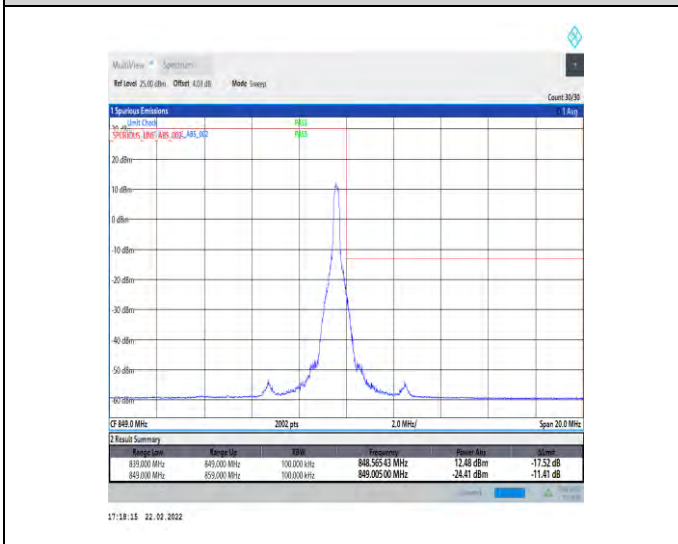
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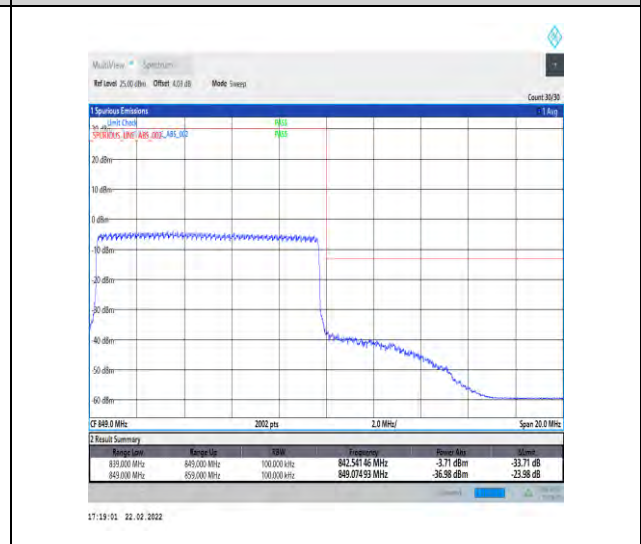
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1-Ant1-seegraph-PASS-see graph



1-N5-15-10-H-3-DFT-PI2BPSK-Outer\_Full-50@0-Ant1-seegraph-PASS-see graph



1-N5-15-10-H-5-CP-QPSK-Edge\_1RB\_Right-1@51-An  
t1-seegraph-PASS-see graph



1-N5-15-10-H-6-CP-QPSK-Outer\_Full-52@0-Ant1  
-seegraph-PASS-see graph

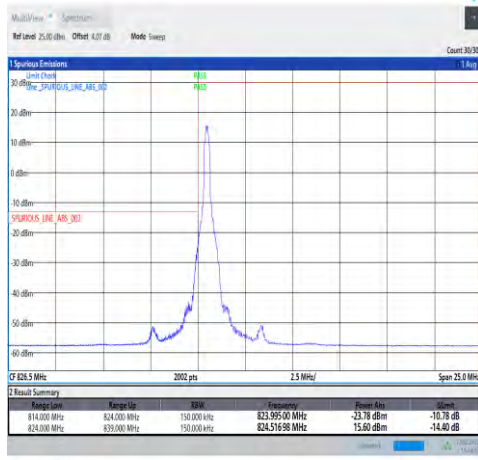


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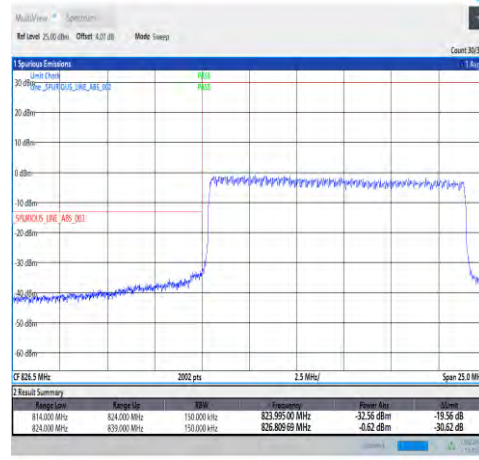
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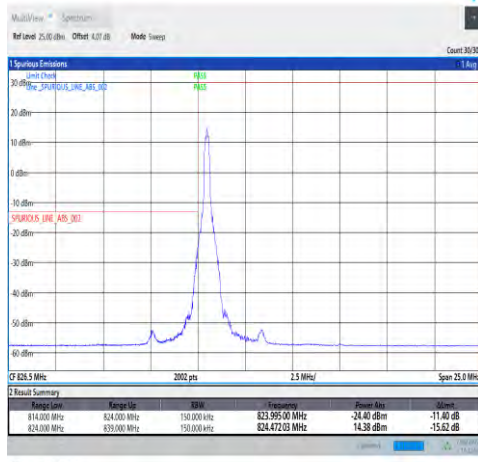
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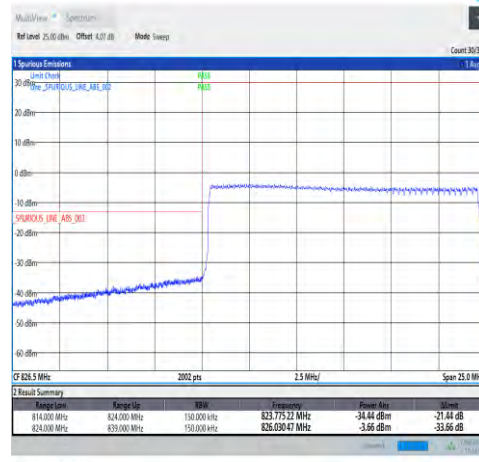
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nt1-seegraph-PASS-see graph



1-N5-15-15-L-3-DFT-PI2BPSK-Outer\_Full-75@0-Ant1-seegraph-PASS-see graph



1-N5-15-15-L-4-CP-QPSK-Edge\_1RB\_Left-1@0-Ant1-seegraph-PASS-see graph



1-N5-15-15-L-6-CP-QPSK-Outer\_Full-79@0-Ant1-seegraph-PASS-see graph

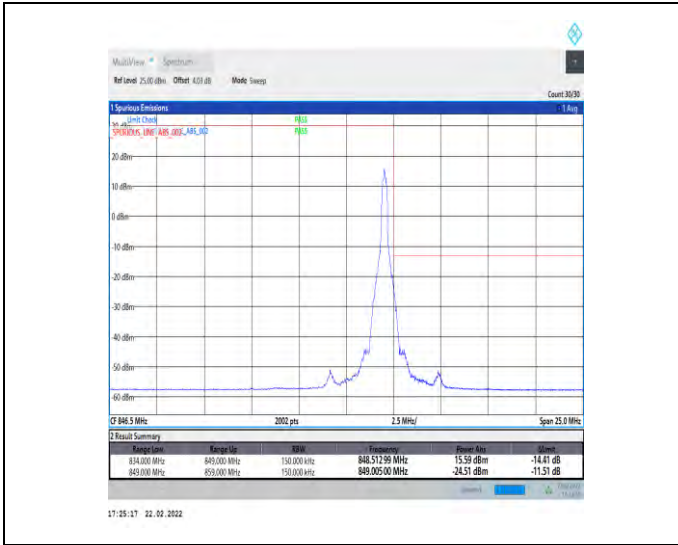


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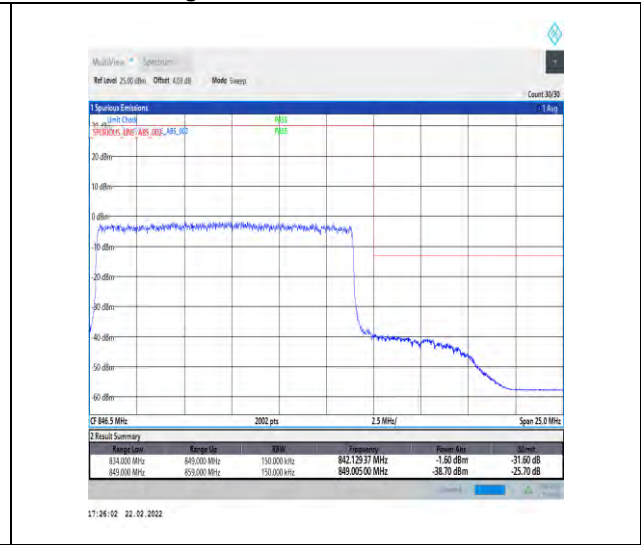
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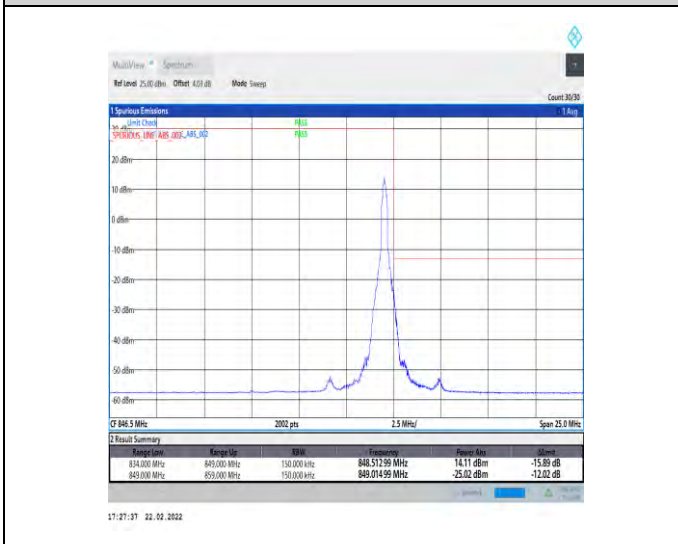




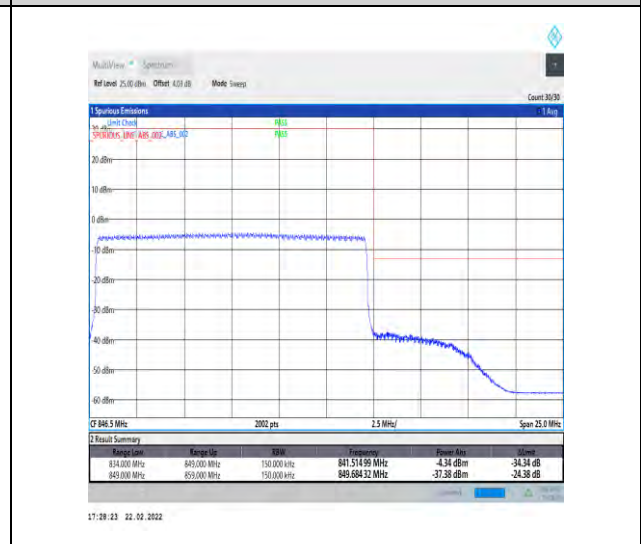
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8-Ant1-seegraph-PASS-see graph



1-N5-15-15-H-3-DFT-PI2BPSK-Outer\_Full-75@0-  
Ant1-seegraph-PASS-see graph



1-N5-15-15-H-5-CP-QPSK-Edge\_1RB\_Right-1@78-An  
t1-seegraph-PASS-see graph



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-seegraph-PASS-see graph

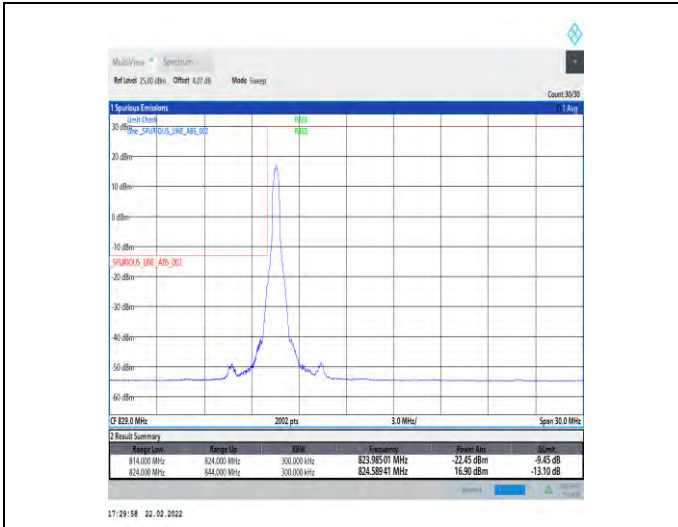


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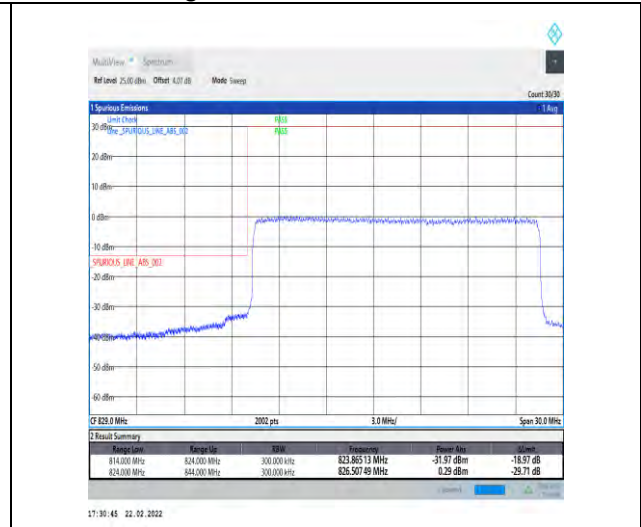
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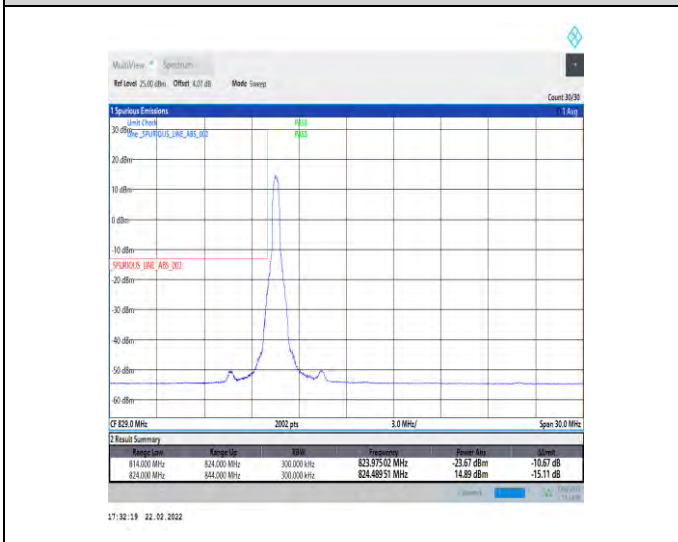
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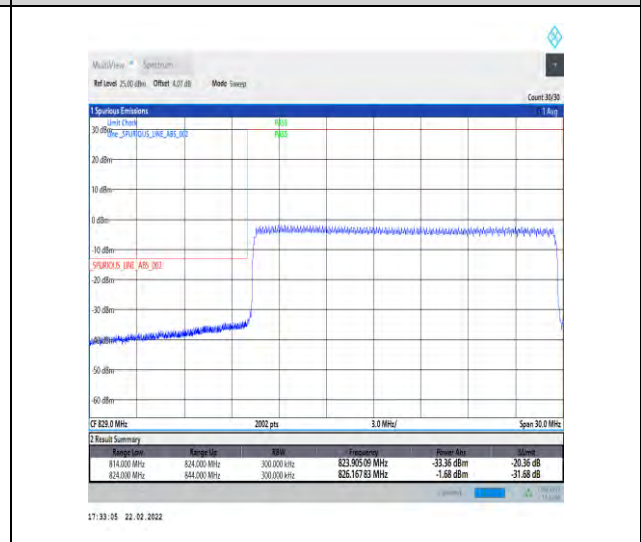
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nt1-seegraph-PASS-see graph



1-N5-15-20-L-3-DFT-PI2BPSK-Outer\_Full-100@0-Ant1-seegraph-PASS-see graph



1-N5-15-20-L-4-CP-QPSK-Edge\_1RB\_Left-1@0-Ant1-seegraph-PASS-see graph



1-N5-15-20-L-6-CP-QPSK-Outer\_Full-106@0-Ant1-seegraph-PASS-see graph

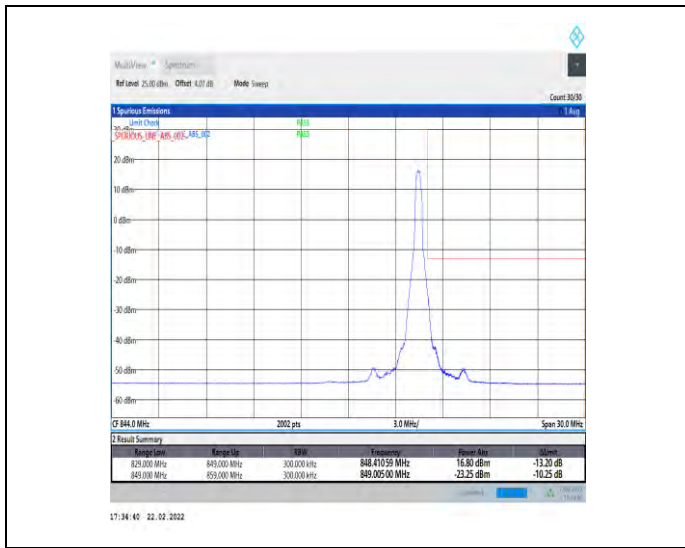


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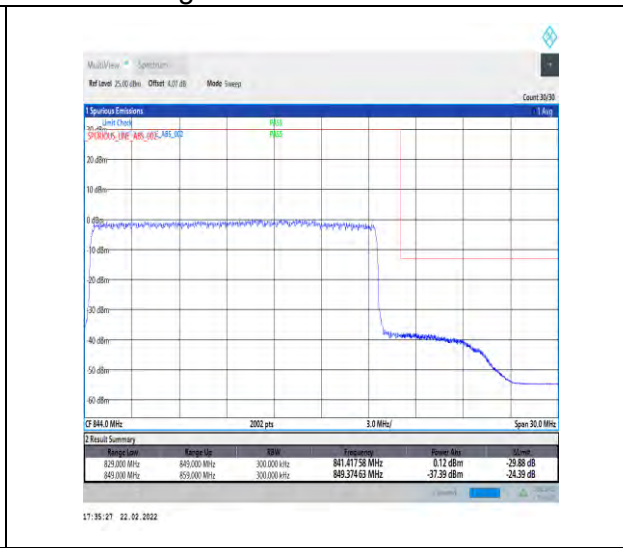
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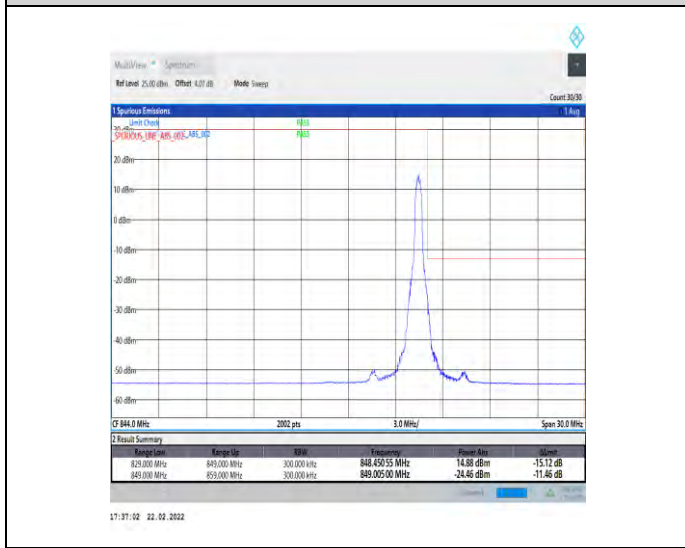
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1-N5-15-20-H-2-DFT-PI2BPSK-Edge\_1RB\_Right-1@105-Ant1-seegraph-PASS-see graph



1-N5-15-20-H-3-DFT-PI2BPSK-Outer\_Full-100@0-Ant1-seegraph-PASS-see graph



1-N5-15-20-H-5-CP-QPSK-Edge\_1RB\_Right-1@105-Ant1-seegraph-PASS-see graph



1-N5-15-20-H-6-CP-QPSK-Outer\_Full-106@0-Ant1-seegraph-PASS-see graph



## Conducted Spurious Emission for SA

### Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	StartFreq	StopFreq	Result	Limit	Verdict
N5	15	20	DFT-PI2BPSK	L	Inner_1RB_Left	0.009	0.15	-61.99	-33	PASS
N5	15	20	DFT-PI2BPSK	L	Inner_1RB_Left	0.15	30	-61.54	-23	PASS
N5	15	20	DFT-PI2BPSK	L	Inner_1RB_Left	30	1000	-51.47	-13	PASS
N5	15	20	DFT-PI2BPSK	L	Inner_1RB_Left	1000	3000	-23.91	-13	PASS
N5	15	20	DFT-PI2BPSK	L	Inner_1RB_Left	3000	12000	-48.71	-13	PASS
N5	15	20	DFT-PI2BPSK	M	Inner_1RB_Left	0.009	0.15	-65.81	-33	PASS
N5	15	20	DFT-PI2BPSK	M	Inner_1RB_Left	0.15	30	-69.70	-23	PASS
N5	15	20	DFT-PI2BPSK	M	Inner_1RB_Left	30	1000	-52.91	-13	PASS
N5	15	20	DFT-PI2BPSK	M	Inner_1RB_Left	1000	3000	-24.32	-13	PASS
N5	15	20	DFT-PI2BPSK	M	Inner_1RB_Left	3000	12000	-48.95	-13	PASS
N5	15	20	DFT-PI2BPSK	H	Inner_1RB_Left	0.009	0.15	-61.98	-33	PASS
N5	15	20	DFT-PI2BPSK	H	Inner_1RB_Left	0.15	30	-59.30	-23	PASS
N5	15	20	DFT-PI2BPSK	H	Inner_1RB_Left	30	1000	-52.49	-13	PASS
N5	15	20	DFT-PI2BPSK	H	Inner_1RB_Left	1000	3000	-29.41	-13	PASS
N5	15	20	DFT-PI2BPSK	H	Inner_1RB_Left	3000	12000	-49.26	-13	PASS



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Test Graphs

<p>1-N5-15-20-L-1-DFT-PI2BPSK-Inner_1RB_Left-1@1 -0.009-0.15-Ant1--61.99--33-PASS</p>	<p>1-N5-15-20-L-1-DFT-PI2BPSK-Inner_1RB_Left-1@1 -0.15-30-Ant1--61.54--23-PASS</p>
<p>1-N5-15-20-L-1-DFT-PI2BPSK-Inner_1RB_Left-1@1 -30-1000-Ant1--51.47--13-PASS</p>	<p>1-N5-15-20-L-1-DFT-PI2BPSK-Inner_1RB_Left-1@1 -1000-3000-Ant1--23.91--13-PASS</p>

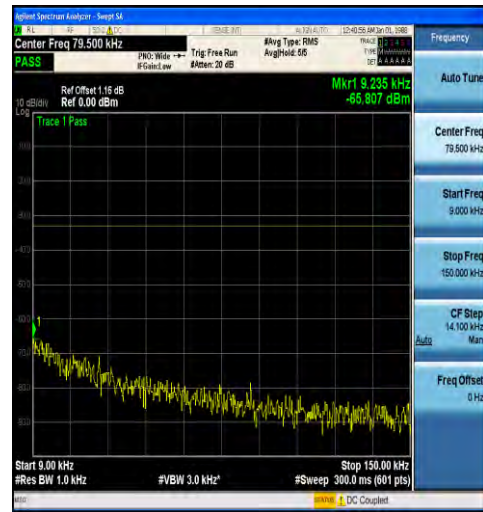


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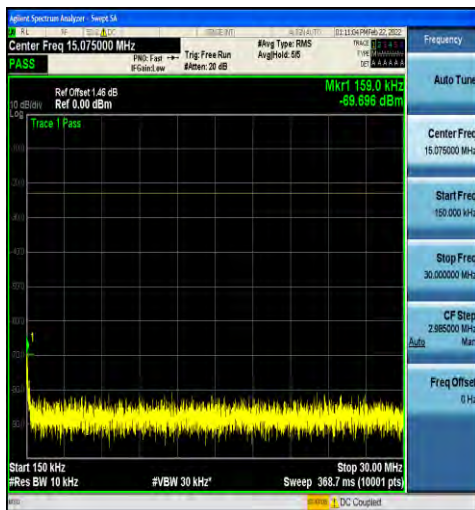
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1-N5-15-20-L-1-DFT-PI2BPSK-Inner\_1RB\_Left-1@1  
-3000-12000-Ant1--48.71--13-PASS



1-N5-15-20-M-1-DFT-PI2BPSK-Inner\_1RB\_Left-1@  
1-0.009-0.15-Ant1--65.81--33-PASS



1-N5-15-20-M-1-DFT-PI2BPSK-Inner\_1RB\_Left-1@  
1-0.15-30-Ant1--69.70--23-PASS



1-N5-15-20-M-1-DFT-PI2BPSK-Inner\_1RB\_Left-1@  
1-30-1000-Ant1--52.91--13-PASS



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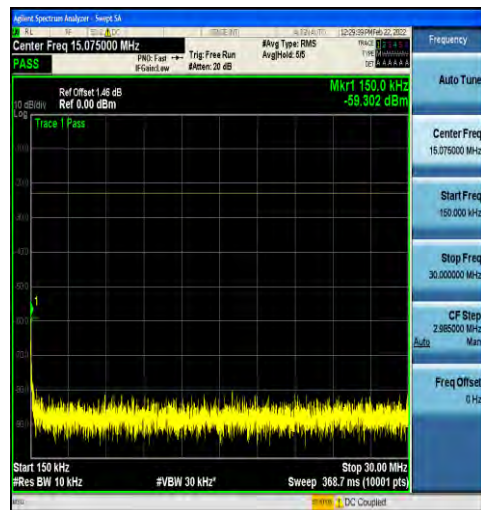
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1-1000-3000-Ant1--24.32--13-PASS



1-N5-15-20-M-1-DFT-PI2BPSK-Inner\_1RB\_Left-1@  
1-3000-12000-Ant1--48.95--13-PASS



1-N5-15-20-H-1-DFT-PI2BPSK-Inner\_1RB\_Left-1@  
1-0.009-0.15-Ant1--61.98--33-PASS

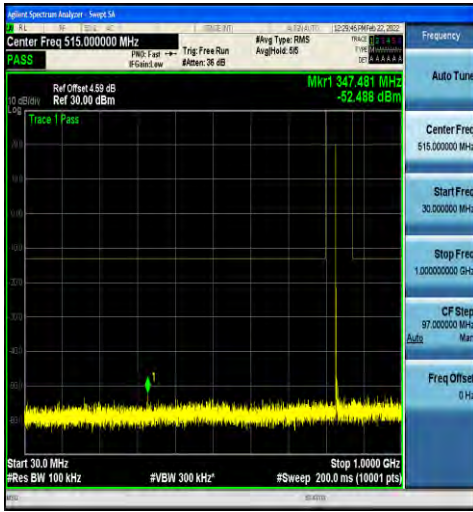


1-N5-15-20-H-1-DFT-PI2BPSK-Inner\_1RB\_Left-1@  
-0.15-30-Ant1--59.30--23-PASS



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1-N5-15-20-H-1-DFT-PI2BPSK-Inner\_1RB\_Left-1@  
1-30-1000-Ant1--52.49--13-PASS



1-N5-15-20-H-1-DFT-PI2BPSK-Inner\_1RB\_Left-1@1  
-1000-3000-Ant1--29.41--13-PASS



1-N5-15-20-H-1-DFT-PI2BPSK-Inner\_1RB\_Left-1@  
1-3-3000-12000-Ant1--49.26--13-PASS



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## Field Strength of Spurious Radiation

Test Band =NR\_SA\_Band 5\_TM1

Test Channel =Low Channel

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1650.18	54.25	-118.06	-63.81	-13.00	50.81	122	148	Horizontal
2	2475.27	50.79	-114.35	-63.56	-13.00	50.56	169	169	Horizontal
3	3300.36	51.25	-111.89	-60.64	-13.00	47.64	145	159	Horizontal
4	4125.45	49.35	-109.79	-60.44	-13.00	47.44	203	255	Horizontal
5	4950.54	50.30	-107.85	-57.55	-13.00	44.55	215	128	Horizontal
6	5775.63	50.91	-105.30	-54.39	-13.00	41.39	197	319	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1650.18	53.45	-118.06	-64.61	-13.00	51.61	236	357	Vertical
2	2475.27	51.83	-114.35	-62.52	-13.00	49.52	145	0	Vertical
3	3300.36	50.31	-111.89	-61.58	-13.00	48.58	198	286	Vertical
4	4125.45	48.40	-109.79	-61.39	-13.00	48.39	175	5	Vertical
5	4950.54	51.08	-107.85	-56.77	-13.00	43.77	168	357	Vertical
6	5775.63	51.41	-105.30	-53.89	-13.00	40.89	142	161	Vertical



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Test Channel =Mid Channel

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1655.18	53.30	-118.05	-64.75	-13.00	51.75	198	3	Horizontal
2	2482.77	50.93	-114.27	-63.34	-13.00	50.34	142	125	Horizontal
3	3310.36	50.56	-111.92	-61.36	-13.00	48.36	236	241	Horizontal
4	4137.95	49.56	-109.74	-60.18	-13.00	47.18	254	178	Horizontal
5	4965.54	50.38	-107.80	-57.42	-13.00	44.42	194	52	Horizontal
6	5793.13	49.90	-105.23	-55.33	-13.00	42.33	254	178	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1655.18	53.20	-118.05	-64.85	-13.00	51.85	194	10	Vertical
2	2482.77	52.05	-114.27	-62.22	-13.00	49.22	235	68	Vertical
3	3310.36	51.75	-111.92	-60.17	-13.00	47.17	184	25	Vertical
4	4137.95	49.21	-109.74	-60.53	-13.00	47.53	165	155	Vertical
5	4965.54	49.71	-107.80	-58.09	-13.00	45.09	178	204	Vertical
6	5793.13	50.18	-105.23	-55.05	-13.00	42.05	194	120	Vertical



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

Test Band =NR\_SA\_Band 5\_TM1

Test Channel = High Channel

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1660.18	53.37	-118.04	-64.67	-13.00	51.67	233	210	Horizontal
2	2490.27	50.93	-114.18	-63.25	-13.00	50.25	166	136	Horizontal
3	3320.36	51.26	-111.94	-60.68	-13.00	47.68	145	359	Horizontal
4	4150.45	48.36	-109.67	-61.31	-13.00	48.31	200	315	Horizontal
5	4980.54	49.93	-107.74	-57.81	-13.00	44.81	298	336	Horizontal
6	5810.63	51.21	-105.13	-53.92	-13.00	40.92	178	315	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1660.18	52.91	-118.04	-65.13	-13.00	52.13	232	182	Vertical
2	2490.27	51.39	-114.18	-62.79	-13.00	49.79	151	151	Vertical
3	3320.36	50.71	-111.94	-61.23	-13.00	48.23	168	139	Vertical
4	4150.45	49.24	-109.67	-60.43	-13.00	47.43	148	286	Vertical
5	4980.54	50.27	-107.74	-57.47	-13.00	44.47	197	139	Vertical
6	5810.63	50.33	-105.13	-54.80	-13.00	41.80	142	34	Vertical



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

Test Band = \_2A\_n5A TM1

Test Channel = Low

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1650.1800	43.35	-95.47	-52.12	-13.00	39.12	254	79	Horizontal
2	2475.2700	45.35	-91.72	-46.37	-13.00	33.37	196	105	Horizontal
3	3300.3600	49.88	-112.16	-62.28	-13.00	49.28	233	147	Horizontal
4	4125.4500	49.37	-110.03	-60.66	-13.00	47.66	120	220	Horizontal
5	4950.5400	49.94	-108.10	-58.16	-13.00	45.16	248	233	Horizontal
6	5775.6300	49.11	-106.37	-57.26	-13.00	44.26	175	123	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1650.1800	43.52	-95.47	-51.95	-13.00	38.95	168	141	Vertical
2	2475.2700	44.40	-91.72	-47.32	-13.00	34.32	194	65	Vertical
3	3300.3600	51.38	-112.16	-60.78	-13.00	47.78	136	283	Vertical
4	4125.4500	49.39	-110.03	-60.64	-13.00	47.64	263	224	Vertical
5	4950.5400	51.64	-108.10	-56.46	-13.00	43.46	258	86	Vertical
6	5775.6300	48.41	-106.37	-57.96	-13.00	44.96	199	86	Vertical



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Test Band = \_2A\_n5A TM1

Test Channel = Mid

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1655.1800	43.88	-95.46	-51.58	-13.00	38.58	184	221	Horizontal
2	2482.7700	45.90	-91.67	-45.77	-13.00	32.77	126	0	Horizontal
3	3310.3600	50.52	-112.16	-61.64	-13.00	48.64	132	360	Horizontal
4	4137.9500	49.68	-110.02	-60.34	-13.00	47.34	201	4	Horizontal
5	4965.5400	50.68	-108.08	-57.40	-13.00	44.40	271	356	Horizontal
6	5793.1300	48.55	-106.29	-57.74	-13.00	44.74	289	185	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1655.1800	43.89	-95.46	-51.57	-13.00	38.57	221	10	Vertical
2	2482.7700	45.48	-91.67	-46.19	-13.00	33.19	235	248	Vertical
3	3310.3600	50.06	-112.16	-62.10	-13.00	49.10	145	73	Vertical
4	4137.9500	49.64	-110.02	-60.38	-13.00	47.38	126	206	Vertical
5	4965.5400	51.15	-108.08	-56.93	-13.00	43.93	287	230	Vertical
6	5793.1300	48.19	-106.29	-58.10	-13.00	45.10	172	328	Vertical



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

Test Band = \_2A\_n5A TM1

Test Channel = High

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1660.1800	43.23	-95.45	-52.22	-13.00	39.22	148	356	Horizontal
2	2490.2700	44.76	-91.62	-46.86	-13.00	33.86	194	116	Horizontal
3	3320.3600	50.01	-112.15	-62.14	-13.00	49.14	172	111	Horizontal
4	4150.4500	51.00	-110.00	-59.00	-13.00	46.00	126	355	Horizontal
5	4980.5400	49.25	-108.05	-58.80	-13.00	45.80	238	257	Horizontal
6	5810.6300	48.33	-106.26	-57.93	-13.00	44.93	149	245	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1660.1800	45.12	-95.45	-50.33	-13.00	37.33	112	322	Vertical
2	2490.2700	45.42	-91.62	-46.20	-13.00	33.20	228	285	Vertical
3	3320.3600	51.58	-112.15	-60.57	-13.00	47.57	149	257	Vertical
4	4150.4500	49.75	-110.00	-60.25	-13.00	47.25	178	319	Vertical
5	4980.5400	50.32	-108.05	-57.73	-13.00	44.73	109	360	Vertical
6	5810.6300	49.88	-106.26	-56.38	-13.00	43.38	238	4	Vertical



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Test Band = \_66A\_n5A TM1

Test Channel = Low

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1650.1800	44.00	-95.47	-51.47	-13.00	38.47	147	166	Horizontal
2	2475.2700	44.89	-91.72	-46.83	-13.00	33.83	194	206	Horizontal
3	3300.3600	52.22	-112.16	-59.94	-13.00	46.94	284	236	Horizontal
4	4125.4500	49.47	-110.03	-60.56	-13.00	47.56	135	135	Horizontal
5	4950.5400	50.66	-108.10	-57.44	-13.00	44.44	146	147	Horizontal
6	5775.6300	48.63	-106.37	-57.74	-13.00	44.74	222	50	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1650.1800	43.74	-95.47	-51.73	-13.00	38.73	196	182	Vertical
2	2475.2700	45.85	-91.72	-45.87	-13.00	32.87	254	168	Vertical
3	3300.3600	50.19	-112.16	-61.97	-13.00	48.97	184	75	Vertical
4	4125.4500	51.42	-110.03	-58.61	-13.00	45.61	197	335	Vertical
5	4950.5400	50.25	-108.10	-57.85	-13.00	44.85	186	360	Vertical
6	5775.6300	49.06	-106.37	-57.31	-13.00	44.31	234	359	Vertical



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Test Band = \_66A\_n5A TM1

Test Channel = Mid

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1655.1800	43.28	-95.46	-52.18	-13.00	39.18	122	37	Horizontal
2	2482.7700	46.14	-91.67	-45.53	-13.00	32.53	256	7	Horizontal
3	3310.3600	51.47	-112.16	-60.69	-13.00	47.69	294	284	Horizontal
4	4137.9500	50.66	-110.02	-59.36	-13.00	46.36	178	135	Horizontal
5	4965.5400	50.75	-108.08	-57.33	-13.00	44.33	190	4	Horizontal
6	5793.1300	48.53	-106.29	-57.76	-13.00	44.76	240	147	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1655.1800	43.30	-95.46	-52.16	-13.00	39.16	124	294	Vertical
2	2482.7700	45.07	-91.67	-46.60	-13.00	33.60	178	258	Vertical
3	3310.3600	49.79	-112.16	-62.37	-13.00	49.37	196	344	Vertical
4	4137.9500	49.25	-110.02	-60.77	-13.00	47.77	236	48	Vertical
5	4965.5400	50.81	-108.08	-57.27	-13.00	44.27	148	260	Vertical
6	5793.1300	48.52	-106.29	-57.77	-13.00	44.77	111	260	Vertical



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Test Band = \_66A\_n5A TM1

Test Channel = High

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1660.1800	43.38	-95.45	-52.07	-13.00	39.07	123	195	Horizontal
2	2490.2700	46.07	-91.62	-45.55	-13.00	32.55	238	348	Horizontal
3	3320.3600	51.25	-112.15	-60.90	-13.00	47.90	179	15	Horizontal
4	4150.4500	49.92	-110.00	-60.08	-13.00	47.08	194	134	Horizontal
5	4980.5400	49.94	-108.05	-58.11	-13.00	45.11	178	354	Horizontal
6	5810.6300	49.20	-106.26	-57.06	-13.00	44.06	177	348	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1660.1800	43.52	-95.45	-51.93	-13.00	38.93	129	90	Vertical
2	2490.2700	46.04	-91.62	-45.58	-13.00	32.58	164	3	Vertical
3	3320.3600	51.91	-112.15	-60.24	-13.00	47.24	185	161	Vertical
4	4150.4500	49.16	-110.00	-60.84	-13.00	47.84	196	15	Vertical
5	4980.5400	49.38	-108.05	-58.67	-13.00	45.67	177	111	Vertical
6	5810.6300	49.21	-106.26	-57.05	-13.00	44.05	230	161	Vertical



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## Frequency Stability for SA

### Test Result

#### Frequency Error VS. Voltage

Voltage										
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation (Hz)	Deviation (ppm)	Verdict
N5	15	20	DFT-PI2BPSK	M	Outer_Full	VH	NT	3.769000	0.004506	PASS
N5	15	20	DFT-PI2BPSK	M	Outer_Full	VN	NT	3.965000	0.004740	PASS
N5	15	20	DFT-PI2BPSK	M	Outer_Full	VL	NT	4.817000	0.005759	PASS
N5	15	20	CP-QPSK	M	Outer_Full	VH	NT	-5.741000	0.183791	PASS
N5	15	20	CP-QPSK	M	Outer_Full	VN	NT	-3.174000	0.183113	PASS
N5	15	20	CP-QPSK	M	Outer_Full	VL	NT	0.227000	0.000271	PASS



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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号厂房南楼 邮编: 215000

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

Frequency Error VS. Temperature

Voltage

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation (Hz)	Deviation (ppm)	Verdict
N5	15	20	DFT-PI2BPSK	M	Outer_Full	NV	-30	-5.334000	0.180913	PASS
N5	15	20	DFT-PI2BPSK	M	Outer_Full	NV	-20	4.529000	0.005414	PASS
N5	15	20	DFT-PI2BPSK	M	Outer_Full	NV	-10	-5.061000	-0.179392	PASS
N5	15	20	DFT-PI2BPSK	M	Outer_Full	NV	0	3.874000	0.004631	PASS
N5	15	20	DFT-PI2BPSK	M	Outer_Full	NV	10	-5.480000	0.181088	PASS
N5	15	20	DFT-PI2BPSK	M	Outer_Full	NV	20	4.915000	0.005876	PASS
N5	15	20	DFT-PI2BPSK	M	Outer_Full	NV	30	4.315000	0.005158	PASS
N5	15	20	DFT-PI2BPSK	M	Outer_Full	NV	40	-5.419000	0.181015	PASS
N5	15	20	DFT-PI2BPSK	M	Outer_Full	NV	50	-5.842000	0.181521	PASS
N5	15	20	CP-QPSK	M	Outer_Full	NV	-30	-0.504000	-0.000603	PASS
N5	15	20	CP-QPSK	M	Outer_Full	NV	-20	0.912000	0.001090	PASS
N5	15	20	CP-QPSK	M	Outer_Full	NV	-10	-5.826000	0.187479	PASS
N5	15	20	CP-QPSK	M	Outer_Full	NV	0	0.694000	0.000830	PASS
N5	15	20	CP-QPSK	M	Outer_Full	NV	10	-5.265000	0.184417	PASS
N5	15	20	CP-QPSK	M	Outer_Full	NV	20	-5.363000	0.185730	PASS
N5	15	20	CP-QPSK	M	Outer_Full	NV	30	1.458000	0.001743	PASS
N5	15	20	CP-QPSK	M	Outer_Full	NV	40	-5.753000	0.185001	PASS
N5	15	20	CP-QPSK	M	Outer_Full	NV	50	-6.163000	0.186686	PASS

The End



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 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号厂房南楼 邮编: 215000

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