



SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

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Appendix B.22

NR Band n5



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 Shenzhen Branch, Wireless Laboratory

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Effective (Isotropic) Radiated Power Output Data for SA

Test Result

ANT11

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Power (dBm)	ERP (dBm)	Limit	Verdict
N5	15	5	DFT-PI2BPSK	L	1@1	23.53	15.77	38.45	PASS
N5	15	5	DFT-PI2BPSK	L	1@23	23.35	15.59	38.45	PASS
N5	15	5	DFT-PI2BPSK	L	25@0	22.87	15.11	38.45	PASS
N5	15	5	DFT-QPSK	L	1@1	23.45	15.69	38.45	PASS
N5	15	5	DFT-QPSK	L	1@23	23.36	15.6	38.45	PASS
N5	15	5	DFT-QPSK	L	25@0	22.70	14.94	38.45	PASS
N5	15	5	DFT-16QAM	L	1@1	23.03	15.27	38.45	PASS
N5	15	5	DFT-16QAM	L	1@23	23.06	15.3	38.45	PASS
N5	15	5	DFT-16QAM	L	25@0	21.93	14.17	38.45	PASS
N5	15	5	DFT-64QAM	L	1@1	21.45	13.69	38.45	PASS
N5	15	5	DFT-64QAM	L	1@23	21.40	13.64	38.45	PASS
N5	15	5	DFT-64QAM	L	25@0	21.30	13.54	38.45	PASS
N5	15	5	DFT-256QAM	L	1@1	19.04	11.28	38.45	PASS
N5	15	5	DFT-256QAM	L	1@23	19.01	11.25	38.45	PASS
N5	15	5	DFT-256QAM	L	25@0	19.24	11.48	38.45	PASS
N5	15	5	DFT-PI2BPSK	M	1@1	23.32	15.56	38.45	PASS
N5	15	5	DFT-PI2BPSK	M	1@23	23.35	15.59	38.45	PASS
N5	15	5	DFT-PI2BPSK	M	25@0	22.76	15	38.45	PASS
N5	15	5	DFT-QPSK	M	1@1	23.27	15.51	38.45	PASS
N5	15	5	DFT-QPSK	M	1@23	23.31	15.55	38.45	PASS
N5	15	5	DFT-QPSK	M	25@0	22.60	14.84	38.45	PASS
N5	15	5	DFT-16QAM	M	1@1	22.89	15.13	38.45	PASS
N5	15	5	DFT-16QAM	M	1@23	22.92	15.16	38.45	PASS
N5	15	5	DFT-16QAM	M	25@0	21.77	14.01	38.45	PASS
N5	15	5	DFT-64QAM	M	1@1	21.38	13.62	38.45	PASS
N5	15	5	DFT-64QAM	M	1@23	21.33	13.57	38.45	PASS
N5	15	5	DFT-64QAM	M	25@0	21.20	13.44	38.45	PASS
N5	15	5	DFT-256QAM	M	1@1	18.94	11.18	38.45	PASS
N5	15	5	DFT-256QAM	M	1@23	19.03	11.27	38.45	PASS
N5	15	5	DFT-256QAM	M	25@0	19.16	11.4	38.45	PASS



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N5	15	5	DFT-PI2BPSK	H	1@1	23.17	15.41	38.45	PASS
N5	15	5	DFT-PI2BPSK	H	1@23	23.04	15.28	38.45	PASS
N5	15	5	DFT-PI2BPSK	H	25@0	22.66	14.9	38.45	PASS
N5	15	5	DFT-QPSK	H	1@1	23.18	15.42	38.45	PASS
N5	15	5	DFT-QPSK	H	1@23	22.99	15.23	38.45	PASS
N5	15	5	DFT-QPSK	H	25@0	22.44	14.68	38.45	PASS
N5	15	5	DFT-16QAM	H	1@1	22.82	15.06	38.45	PASS
N5	15	5	DFT-16QAM	H	1@23	22.74	14.98	38.45	PASS
N5	15	5	DFT-16QAM	H	25@0	21.60	13.84	38.45	PASS
N5	15	5	DFT-64QAM	H	1@1	21.20	13.44	38.45	PASS
N5	15	5	DFT-64QAM	H	1@23	21.10	13.34	38.45	PASS
N5	15	5	DFT-64QAM	H	25@0	21.06	13.3	38.45	PASS
N5	15	5	DFT-256QAM	H	1@1	18.85	11.09	38.45	PASS
N5	15	5	DFT-256QAM	H	1@23	18.68	10.92	38.45	PASS
N5	15	5	DFT-256QAM	H	25@0	18.95	11.19	38.45	PASS
N5	15	10	DFT-PI2BPSK	L	1@1	23.30	15.54	38.45	PASS
N5	15	10	DFT-PI2BPSK	L	1@50	23.22	15.46	38.45	PASS
N5	15	10	DFT-PI2BPSK	L	50@0	22.88	15.12	38.45	PASS
N5	15	10	DFT-QPSK	L	1@1	23.32	15.56	38.45	PASS
N5	15	10	DFT-QPSK	L	1@50	23.26	15.5	38.45	PASS
N5	15	10	DFT-QPSK	L	50@0	22.68	14.92	38.45	PASS
N5	15	10	DFT-16QAM	L	1@1	22.93	15.17	38.45	PASS
N5	15	10	DFT-16QAM	L	1@50	22.88	15.12	38.45	PASS
N5	15	10	DFT-16QAM	L	50@0	21.87	14.11	38.45	PASS
N5	15	10	DFT-64QAM	L	1@1	21.32	13.56	38.45	PASS
N5	15	10	DFT-64QAM	L	1@50	21.32	13.56	38.45	PASS
N5	15	10	DFT-64QAM	L	50@0	21.14	13.38	38.45	PASS
N5	15	10	DFT-256QAM	L	1@1	18.97	11.21	38.45	PASS
N5	15	10	DFT-256QAM	L	1@50	18.91	11.15	38.45	PASS
N5	15	10	DFT-256QAM	L	50@0	19.21	11.45	38.45	PASS
N5	15	10	DFT-PI2BPSK	M	1@1	23.27	15.51	38.45	PASS
N5	15	10	DFT-PI2BPSK	M	1@50	23.21	15.45	38.45	PASS
N5	15	10	DFT-PI2BPSK	M	50@0	22.94	15.18	38.45	PASS
N5	15	10	DFT-QPSK	M	1@1	23.23	15.47	38.45	PASS
N5	15	10	DFT-QPSK	M	1@50	23.25	15.49	38.45	PASS
N5	15	10	DFT-QPSK	M	50@0	22.58	14.82	38.45	PASS



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N5	15	10	DFT-16QAM	M	1@1	22.88	15.12	38.45	PASS
N5	15	10	DFT-16QAM	M	1@50	22.81	15.05	38.45	PASS
N5	15	10	DFT-16QAM	M	50@0	21.74	13.98	38.45	PASS
N5	15	10	DFT-64QAM	M	1@1	21.29	13.53	38.45	PASS
N5	15	10	DFT-64QAM	M	1@50	21.28	13.52	38.45	PASS
N5	15	10	DFT-64QAM	M	50@0	21.11	13.35	38.45	PASS
N5	15	10	DFT-256QAM	M	1@1	18.91	11.15	38.45	PASS
N5	15	10	DFT-256QAM	M	1@50	18.87	11.11	38.45	PASS
N5	15	10	DFT-256QAM	M	50@0	19.13	11.37	38.45	PASS
N5	15	10	DFT-PI2BPSK	H	1@1	23.23	15.47	38.45	PASS
N5	15	10	DFT-PI2BPSK	H	1@50	22.90	15.14	38.45	PASS
N5	15	10	DFT-PI2BPSK	H	50@0	22.70	14.94	38.45	PASS
N5	15	10	DFT-QPSK	H	1@1	23.24	15.48	38.45	PASS
N5	15	10	DFT-QPSK	H	1@50	22.88	15.12	38.45	PASS
N5	15	10	DFT-QPSK	H	50@0	22.52	14.76	38.45	PASS
N5	15	10	DFT-16QAM	H	1@1	22.88	15.12	38.45	PASS
N5	15	10	DFT-16QAM	H	1@50	22.63	14.87	38.45	PASS
N5	15	10	DFT-16QAM	H	50@0	21.70	13.94	38.45	PASS
N5	15	10	DFT-64QAM	H	1@1	21.26	13.5	38.45	PASS
N5	15	10	DFT-64QAM	H	1@50	21.08	13.32	38.45	PASS
N5	15	10	DFT-64QAM	H	50@0	20.99	13.23	38.45	PASS
N5	15	10	DFT-256QAM	H	1@1	18.82	11.06	38.45	PASS
N5	15	10	DFT-256QAM	H	1@50	18.55	10.79	38.45	PASS
N5	15	10	DFT-256QAM	H	50@0	18.98	11.22	38.45	PASS
N5	15	15	DFT-PI2BPSK	L	1@1	23.56	15.8	38.45	PASS
N5	15	15	DFT-PI2BPSK	L	1@77	23.36	15.6	38.45	PASS
N5	15	15	DFT-PI2BPSK	L	75@0	23.04	15.28	38.45	PASS
N5	15	15	DFT-QPSK	L	1@1	23.54	15.78	38.45	PASS
N5	15	15	DFT-QPSK	L	1@77	23.29	15.53	38.45	PASS
N5	15	15	DFT-QPSK	L	75@0	22.82	15.06	38.45	PASS
N5	15	15	DFT-16QAM	L	1@1	23.13	15.37	38.45	PASS
N5	15	15	DFT-16QAM	L	1@77	23.00	15.24	38.45	PASS
N5	15	15	DFT-16QAM	L	75@0	22.02	14.26	38.45	PASS
N5	15	15	DFT-64QAM	L	1@1	21.39	13.63	38.45	PASS
N5	15	15	DFT-64QAM	L	1@77	21.24	13.48	38.45	PASS
N5	15	15	DFT-64QAM	L	75@0	21.35	13.59	38.45	PASS



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N5	15	15	DFT-256QAM	L	1@1	19.25	11.49	38.45	PASS
N5	15	15	DFT-256QAM	L	1@77	19.01	11.25	38.45	PASS
N5	15	15	DFT-256QAM	L	75@0	19.39	11.63	38.45	PASS
N5	15	15	DFT-PI2BPSK	M	1@1	23.49	15.73	38.45	PASS
N5	15	15	DFT-PI2BPSK	M	1@77	23.24	15.48	38.45	PASS
N5	15	15	DFT-PI2BPSK	M	75@0	22.96	15.2	38.45	PASS
N5	15	15	DFT-QPSK	M	1@1	23.45	15.69	38.45	PASS
N5	15	15	DFT-QPSK	M	1@77	23.26	15.5	38.45	PASS
N5	15	15	DFT-QPSK	M	75@0	22.83	15.07	38.45	PASS
N5	15	15	DFT-16QAM	M	1@1	23.16	15.4	38.45	PASS
N5	15	15	DFT-16QAM	M	1@77	22.80	15.04	38.45	PASS
N5	15	15	DFT-16QAM	M	75@0	21.97	14.21	38.45	PASS
N5	15	15	DFT-64QAM	M	1@1	21.52	13.76	38.45	PASS
N5	15	15	DFT-64QAM	M	1@77	21.25	13.49	38.45	PASS
N5	15	15	DFT-64QAM	M	75@0	21.32	13.56	38.45	PASS
N5	15	15	DFT-256QAM	M	1@1	19.27	11.51	38.45	PASS
N5	15	15	DFT-256QAM	M	1@77	18.93	11.17	38.45	PASS
N5	15	15	DFT-256QAM	M	75@0	19.35	11.59	38.45	PASS
N5	15	15	DFT-PI2BPSK	H	1@1	23.39	15.63	38.45	PASS
N5	15	15	DFT-PI2BPSK	H	1@77	23.03	15.27	38.45	PASS
N5	15	15	DFT-PI2BPSK	H	75@0	22.86	15.1	38.45	PASS
N5	15	15	DFT-QPSK	H	1@1	23.35	15.59	38.45	PASS
N5	15	15	DFT-QPSK	H	1@77	23.00	15.24	38.45	PASS
N5	15	15	DFT-QPSK	H	75@0	22.71	14.95	38.45	PASS
N5	15	15	DFT-16QAM	H	1@1	23.11	15.35	38.45	PASS
N5	15	15	DFT-16QAM	H	1@77	22.76	15	38.45	PASS
N5	15	15	DFT-16QAM	H	75@0	21.89	14.13	38.45	PASS
N5	15	15	DFT-64QAM	H	1@1	21.48	13.72	38.45	PASS
N5	15	15	DFT-64QAM	H	1@77	21.07	13.31	38.45	PASS
N5	15	15	DFT-64QAM	H	75@0	21.15	13.39	38.45	PASS
N5	15	15	DFT-256QAM	H	1@1	19.14	11.38	38.45	PASS
N5	15	15	DFT-256QAM	H	1@77	18.68	10.92	38.45	PASS
N5	15	15	DFT-256QAM	H	75@0	19.24	11.48	38.45	PASS
N5	15	20	DFT-PI2BPSK	L	1@1	23.47	15.71	38.45	PASS
N5	15	20	DFT-PI2BPSK	L	1@104	23.21	15.45	38.45	PASS
N5	15	20	DFT-PI2BPSK	L	100@0	22.96	15.2	38.45	PASS



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N5	15	20	DFT-QPSK	L	1@1	23.49	15.73	38.45	PASS
N5	15	20	DFT-QPSK	L	1@104	23.14	15.38	38.45	PASS
N5	15	20	DFT-QPSK	L	100@0	22.76	15	38.45	PASS
N5	15	20	DFT-16QAM	L	1@1	23.12	15.36	38.45	PASS
N5	15	20	DFT-16QAM	L	1@104	22.80	15.04	38.45	PASS
N5	15	20	DFT-16QAM	L	100@0	22.00	14.24	38.45	PASS
N5	15	20	DFT-64QAM	L	1@1	21.47	13.71	38.45	PASS
N5	15	20	DFT-64QAM	L	1@104	21.24	13.48	38.45	PASS
N5	15	20	DFT-64QAM	L	100@0	21.22	13.46	38.45	PASS
N5	15	20	DFT-256QAM	L	1@1	19.14	11.38	38.45	PASS
N5	15	20	DFT-256QAM	L	1@104	18.98	11.22	38.45	PASS
N5	15	20	DFT-256QAM	L	100@0	19.37	11.61	38.45	PASS
N5	15	20	DFT-PI2BPSK	M	1@1	23.55	15.79	38.45	PASS
N5	15	20	DFT-PI2BPSK	M	1@104	23.13	15.37	38.45	PASS
N5	15	20	DFT-PI2BPSK	M	100@0	23.00	15.24	38.45	PASS
N5	15	20	DFT-QPSK	M	1@1	23.54	15.78	38.45	PASS
N5	15	20	DFT-QPSK	M	1@104	23.12	15.36	38.45	PASS
N5	15	20	DFT-QPSK	M	100@0	22.81	15.05	38.45	PASS
N5	15	20	DFT-16QAM	M	1@1	22.98	15.22	38.45	PASS
N5	15	20	DFT-16QAM	M	1@104	22.75	14.99	38.45	PASS
N5	15	20	DFT-16QAM	M	100@0	22.05	14.29	38.45	PASS
N5	15	20	DFT-64QAM	M	1@1	21.39	13.63	38.45	PASS
N5	15	20	DFT-64QAM	M	1@104	21.16	13.4	38.45	PASS
N5	15	20	DFT-64QAM	M	100@0	21.28	13.52	38.45	PASS
N5	15	20	DFT-256QAM	M	1@1	19.24	11.48	38.45	PASS
N5	15	20	DFT-256QAM	M	1@104	18.90	11.14	38.45	PASS
N5	15	20	DFT-256QAM	M	100@0	19.37	11.61	38.45	PASS
N5	15	20	DFT-PI2BPSK	H	1@1	23.44	15.68	38.45	PASS
N5	15	20	DFT-PI2BPSK	H	1@104	23.03	15.27	38.45	PASS
N5	15	20	DFT-PI2BPSK	H	100@0	22.97	15.21	38.45	PASS
N5	15	20	DFT-QPSK	H	1@1	23.34	15.58	38.45	PASS
N5	15	20	DFT-QPSK	H	1@104	23.01	15.25	38.45	PASS
N5	15	20	DFT-QPSK	H	100@0	22.75	14.99	38.45	PASS
N5	15	20	DFT-16QAM	H	1@1	22.94	15.18	38.45	PASS
N5	15	20	DFT-16QAM	H	1@104	22.71	14.95	38.45	PASS
N5	15	20	DFT-16QAM	H	100@0	21.95	14.19	38.45	PASS



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N5	15	20	DFT-64QAM	H	1@1	21.41	13.65	38.45	PASS
N5	15	20	DFT-64QAM	H	1@104	21.11	13.35	38.45	PASS
N5	15	20	DFT-64QAM	H	100@0	21.21	13.45	38.45	PASS
N5	15	20	DFT-256QAM	H	1@1	19.03	11.27	38.45	PASS
N5	15	20	DFT-256QAM	H	1@104	18.82	11.06	38.45	PASS
N5	15	20	DFT-256QAM	H	100@0	19.28	11.52	38.45	PASS



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Peak-to-Average Ratio for SA

Peak-to-Average Ratio(CCDF)

Test Graphs



1-N5-PC3-15-20-L-1-NS_01-DFT-256QAM-Outer_Full-100@0-6.73-PASS



1-N5-PC3-15-20-L-2-NS_01-CP-256QAM-Outer_Full-106@0-7.28-PASS



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1-N5-PC3-15-20-M-1-NS_01-DFT-256QAM-Outer_Full-100@0-6.80-PASS



1-N5-PC3-15-20-M-2-NS_01-CP-256QAM-Outer_Full-106@0-7.44-PASS



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1-N5-PC3-15-20-H-1-NS_01-DFT-256QAM-Outer_Full-100@0-6.80-PASS



1-N5-PC3-15-20-H-2-NS_01-CP-256QAM-Outer_Full-106@0-8.37-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	25@0	4.4853	5.142	PASS
N5	15	5	DFT-PI2BPSK	L	25@0	4.4938	5.217	PASS
N5	15	5	DFT-16QAM	L	25@0	4.5355	5.176	PASS
N5	15	5	DFT-64QAM	L	25@0	4.4978	5.061	PASS
N5	15	5	DFT-256QAM	L	25@0	4.5087	5.220	PASS
N5	15	5	CP-QPSK	L	25@0	4.5140	5.128	PASS
N5	15	5	CP-16QAM	L	25@0	4.5280	5.166	PASS
N5	15	5	CP-64QAM	L	25@0	4.4897	5.071	PASS
N5	15	5	CP-256QAM	L	25@0	4.5338	5.149	PASS
N5	15	5	DFT-QPSK	M	25@0	4.4774	5.227	PASS
N5	15	5	DFT-PI2BPSK	M	25@0	4.4872	5.140	PASS
N5	15	5	DFT-16QAM	M	25@0	4.5102	5.230	PASS
N5	15	5	DFT-64QAM	M	25@0	4.5010	5.145	PASS
N5	15	5	DFT-256QAM	M	25@0	4.5021	5.139	PASS
N5	15	5	CP-QPSK	M	25@0	4.4912	5.210	PASS
N5	15	5	CP-16QAM	M	25@0	4.5545	5.296	PASS
N5	15	5	CP-64QAM	M	25@0	4.4769	5.094	PASS
N5	15	5	CP-256QAM	M	25@0	4.5219	5.207	PASS
N5	15	5	DFT-QPSK	H	25@0	4.4762	5.104	PASS
N5	15	5	DFT-PI2BPSK	H	25@0	4.4903	5.186	PASS
N5	15	5	DFT-16QAM	H	25@0	4.5069	5.160	PASS
N5	15	5	DFT-64QAM	H	25@0	4.4915	5.033	PASS
N5	15	5	DFT-256QAM	H	25@0	4.4800	5.208	PASS
N5	15	5	CP-QPSK	H	25@0	4.4903	5.309	PASS
N5	15	5	CP-16QAM	H	25@0	4.5219	5.179	PASS
N5	15	5	CP-64QAM	H	25@0	4.5020	5.046	PASS
N5	15	5	CP-256QAM	H	25@0	4.5162	5.122	PASS
N5	15	10	DFT-QPSK	L	50@0	8.9181	9.623	PASS
N5	15	10	DFT-PI2BPSK	L	50@0	8.9024	9.519	PASS
N5	15	10	DFT-16QAM	L	50@0	8.9018	9.575	PASS



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N5	15	10	DFT-64QAM	L	50@0	8.9375	9.536	PASS
N5	15	10	DFT-256QAM	L	50@0	8.9045	9.586	PASS
N5	15	10	CP-QPSK	L	52@0	9.2760	9.992	PASS
N5	15	10	CP-16QAM	L	52@0	9.2693	10.03	PASS
N5	15	10	CP-64QAM	L	52@0	9.2878	9.860	PASS
N5	15	10	CP-256QAM	L	52@0	9.2820	10.06	PASS
N5	15	10	DFT-QPSK	M	50@0	8.9040	9.670	PASS
N5	15	10	DFT-PI2BPSK	M	50@0	8.8900	9.457	PASS
N5	15	10	DFT-16QAM	M	50@0	8.8941	9.473	PASS
N5	15	10	DFT-64QAM	M	50@0	8.9172	9.606	PASS
N5	15	10	DFT-256QAM	M	50@0	8.8897	9.510	PASS
N5	15	10	CP-QPSK	M	52@0	9.2602	9.974	PASS
N5	15	10	CP-16QAM	M	52@0	9.2911	9.845	PASS
N5	15	10	CP-64QAM	M	52@0	9.2518	9.809	PASS
N5	15	10	CP-256QAM	M	52@0	9.2692	9.933	PASS
N5	15	10	DFT-QPSK	H	50@0	8.9133	9.678	PASS
N5	15	10	DFT-PI2BPSK	H	50@0	8.8859	9.447	PASS
N5	15	10	DFT-16QAM	H	50@0	8.8938	9.612	PASS
N5	15	10	DFT-64QAM	H	50@0	8.9138	9.593	PASS
N5	15	10	DFT-256QAM	H	50@0	8.8897	9.587	PASS
N5	15	10	CP-QPSK	H	52@0	9.2613	9.944	PASS
N5	15	10	CP-16QAM	H	52@0	9.2847	9.862	PASS
N5	15	10	CP-64QAM	H	52@0	9.2825	9.913	PASS
N5	15	10	CP-256QAM	H	52@0	9.2765	9.936	PASS
N5	15	15	DFT-QPSK	L	75@0	13.481	14.42	PASS
N5	15	15	DFT-PI2BPSK	L	75@0	13.443	14.35	PASS
N5	15	15	DFT-16QAM	L	75@0	13.450	14.30	PASS
N5	15	15	DFT-64QAM	L	75@0	13.400	14.37	PASS
N5	15	15	DFT-256QAM	L	75@0	13.512	14.55	PASS
N5	15	15	CP-QPSK	L	79@0	14.107	15.15	PASS
N5	15	15	CP-16QAM	L	79@0	14.121	15.14	PASS
N5	15	15	CP-64QAM	L	79@0	14.130	14.90	PASS
N5	15	15	CP-256QAM	L	79@0	14.104	15.09	PASS
N5	15	15	DFT-QPSK	M	75@0	13.501	14.30	PASS
N5	15	15	DFT-PI2BPSK	M	75@0	13.449	14.41	PASS
N5	15	15	DFT-16QAM	M	75@0	13.451	14.36	PASS



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N5	15	15	DFT-64QAM	M	75@0	13.445	14.28	PASS
N5	15	15	DFT-256QAM	M	75@0	13.421	14.33	PASS
N5	15	15	CP-QPSK	M	79@0	14.106	15.19	PASS
N5	15	15	CP-16QAM	M	79@0	14.145	15.19	PASS
N5	15	15	CP-64QAM	M	79@0	14.114	15.26	PASS
N5	15	15	CP-256QAM	M	79@0	14.103	15.13	PASS
N5	15	15	DFT-QPSK	H	75@0	13.460	14.48	PASS
N5	15	15	DFT-PI2BPSK	H	75@0	13.453	14.34	PASS
N5	15	15	DFT-16QAM	H	75@0	13.525	14.35	PASS
N5	15	15	DFT-64QAM	H	75@0	13.443	14.46	PASS
N5	15	15	DFT-256QAM	H	75@0	13.510	14.28	PASS
N5	15	15	CP-QPSK	H	79@0	14.159	15.26	PASS
N5	15	15	CP-16QAM	H	79@0	14.125	14.98	PASS
N5	15	15	CP-64QAM	H	79@0	14.142	15.06	PASS
N5	15	15	CP-256QAM	H	79@0	14.117	14.99	PASS
N5	15	20	DFT-QPSK	L	100@0	17.827	18.81	PASS
N5	15	20	DFT-PI2BPSK	L	100@0	17.830	18.93	PASS
N5	15	20	DFT-16QAM	L	100@0	17.852	18.95	PASS
N5	15	20	DFT-64QAM	L	100@0	17.862	18.77	PASS
N5	15	20	DFT-256QAM	L	100@0	17.820	18.91	PASS
N5	15	20	CP-QPSK	L	106@0	18.887	19.94	PASS
N5	15	20	CP-16QAM	L	106@0	18.854	20.04	PASS
N5	15	20	CP-64QAM	L	106@0	18.858	19.71	PASS
N5	15	20	CP-256QAM	L	106@0	18.832	19.97	PASS
N5	15	20	DFT-QPSK	M	100@0	17.858	18.82	PASS
N5	15	20	DFT-PI2BPSK	M	100@0	17.900	18.77	PASS
N5	15	20	DFT-16QAM	M	100@0	17.851	18.83	PASS
N5	15	20	DFT-64QAM	M	100@0	17.853	18.83	PASS
N5	15	20	DFT-256QAM	M	100@0	17.859	18.94	PASS
N5	15	20	CP-QPSK	M	106@0	18.863	19.80	PASS
N5	15	20	CP-16QAM	M	106@0	18.931	20.04	PASS
N5	15	20	CP-64QAM	M	106@0	18.830	19.92	PASS
N5	15	20	CP-256QAM	M	106@0	18.886	19.91	PASS
N5	15	20	DFT-QPSK	H	100@0	17.843	18.79	PASS
N5	15	20	DFT-PI2BPSK	H	100@0	17.893	18.76	PASS
N5	15	20	DFT-16QAM	H	100@0	17.819	18.87	PASS



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N5	15	20	DFT-64QAM	H	100@0	17.882	18.92	PASS
N5	15	20	DFT-256QAM	H	100@0	17.848	18.94	PASS
N5	15	20	CP-QPSK	H	106@0	18.887	20.10	PASS
N5	15	20	CP-16QAM	H	106@0	18.899	20.04	PASS
N5	15	20	CP-64QAM	H	106@0	18.877	19.92	PASS
N5	15	20	CP-256QAM	H	106@0	18.889	19.80	PASS



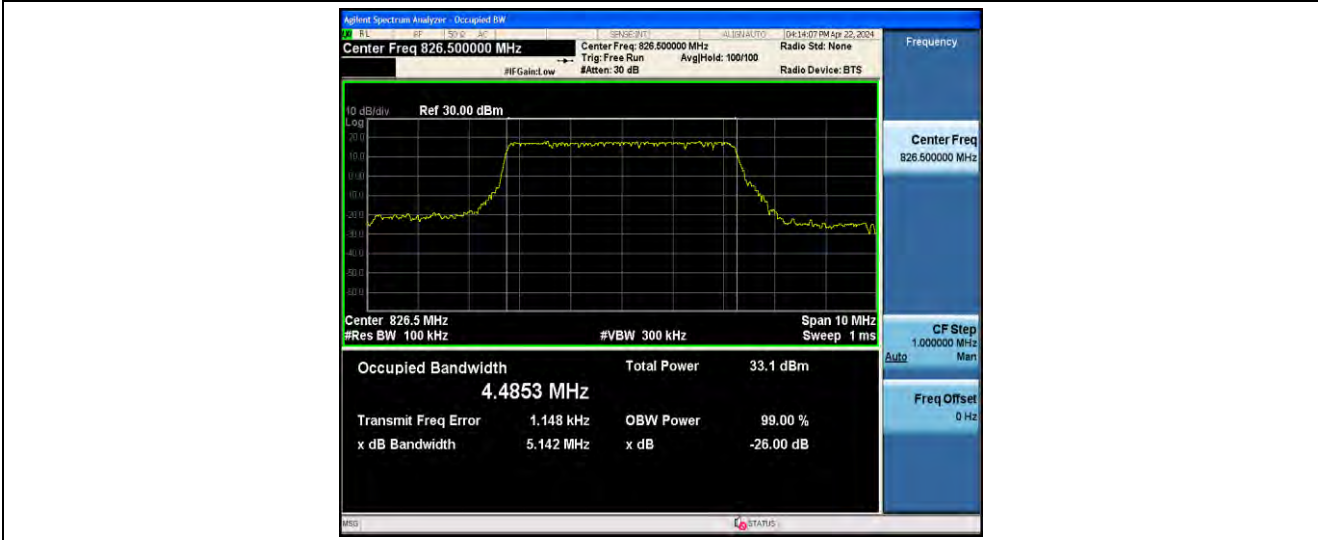
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Test Graphs



1-N5-PC3-15-5-L-1-DFT-QPSK-Outer_Full-25@0-ANT11-4.4853-5.142-≤5-PASS



1-N5-PC3-15-5-L-2-DFT-PI2BPSK-Outer_Full-25@0-ANT11-4.4938-5.217-≤5-PASS



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1-N5-PC3-15-5-L-3-DFT-16QAM-Outer_Full-25@0-ANT11-4.5355-5.176-≤5-PASS



1-N5-PC3-15-5-L-4-DFT-64QAM-Outer_Full-25@0-ANT11-4.4978-5.061-≤5-PASS



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1-N5-PC3-15-5-L-5-DFT-256QAM-Outer_Full-25@0-ANT11-4.5087-5.220-≤5-PASS



1-N5-PC3-15-5-L-6-CP-QPSK-Outer_Full-25@0-ANT11-4.5140-5.128-≤5-PASS



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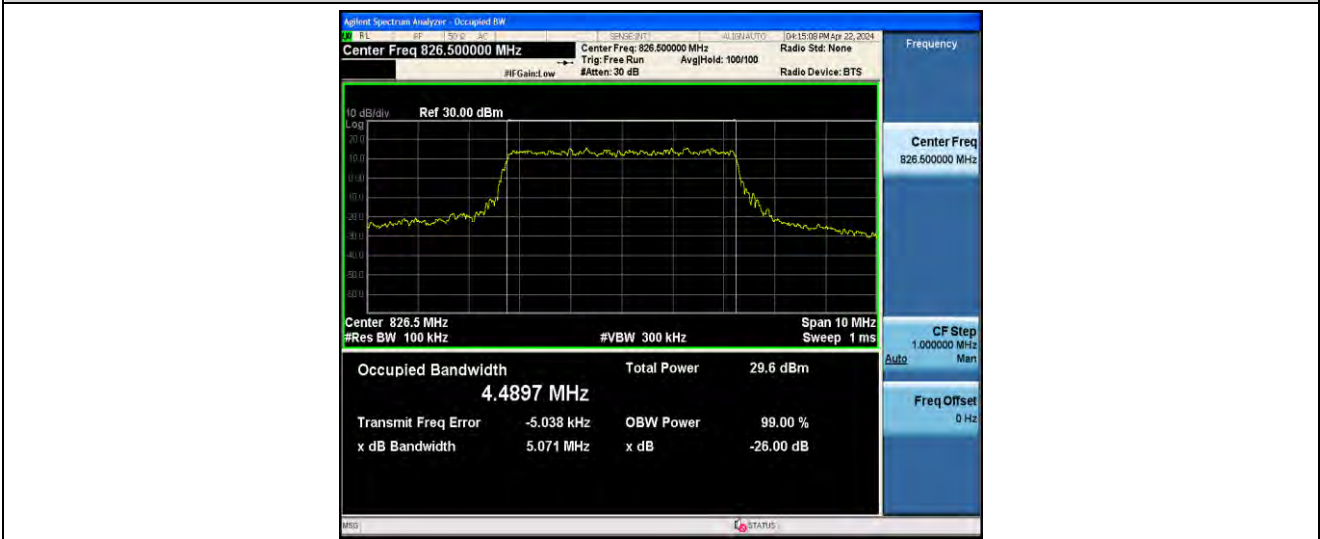


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1-N5-PC3-15-5-L-7-CP-16QAM-Outer_Full-25@0-ANT11-4.5280-5.166-≤5-PASS



1-N5-PC3-15-5-L-8-CP-64QAM-Outer_Full-25@0-ANT11-4.4897-5.071-≤5-PASS



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1-N5-PC3-15-5-L-9-CP-256QAM-Outer_Full-25@0-ANT11-4.5338-5.149-≤5-PASS



1-N5-PC3-15-5-M-1-DFT-QPSK-Outer_Full-25@0-ANT11-4.4774-5.227-≤5-PASS



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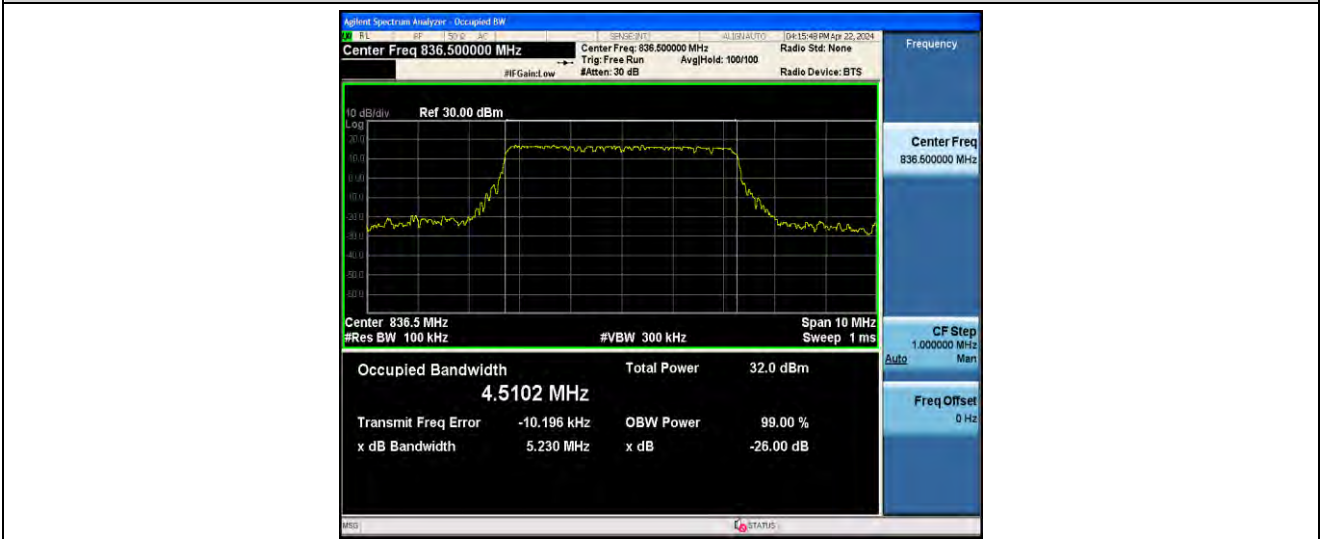


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1-N5-PC3-15-5-M-2-DFT-PI2BPSK-Outer_Full-25@0-ANT11-4.4872-5.140-≤5-PASS



1-N5-PC3-15-5-M-3-DFT-16QAM-Outer_Full-25@0-ANT11-4.5102-5.230-≤5-PASS



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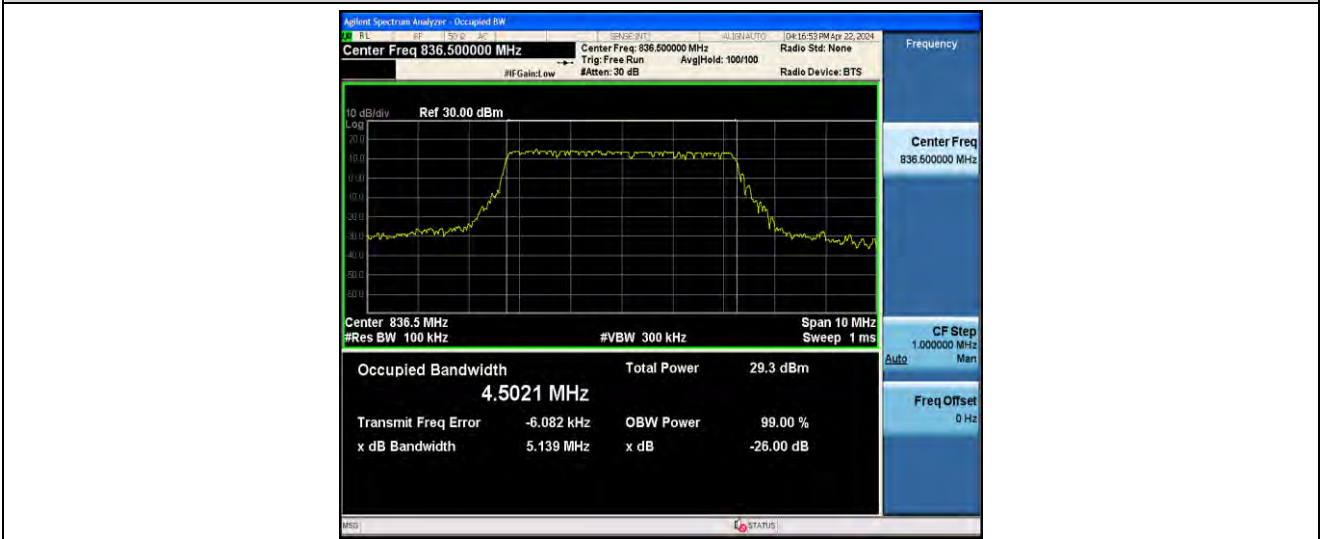


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1-N5-PC3-15-5-M-4-DFT-64QAM-Outer_Full-25@0-ANT11-4.5010-5.145-≤5-PASS



1-N5-PC3-15-5-M-5-DFT-256QAM-Outer_Full-25@0-ANT11-4.5021-5.139-≤5-PASS



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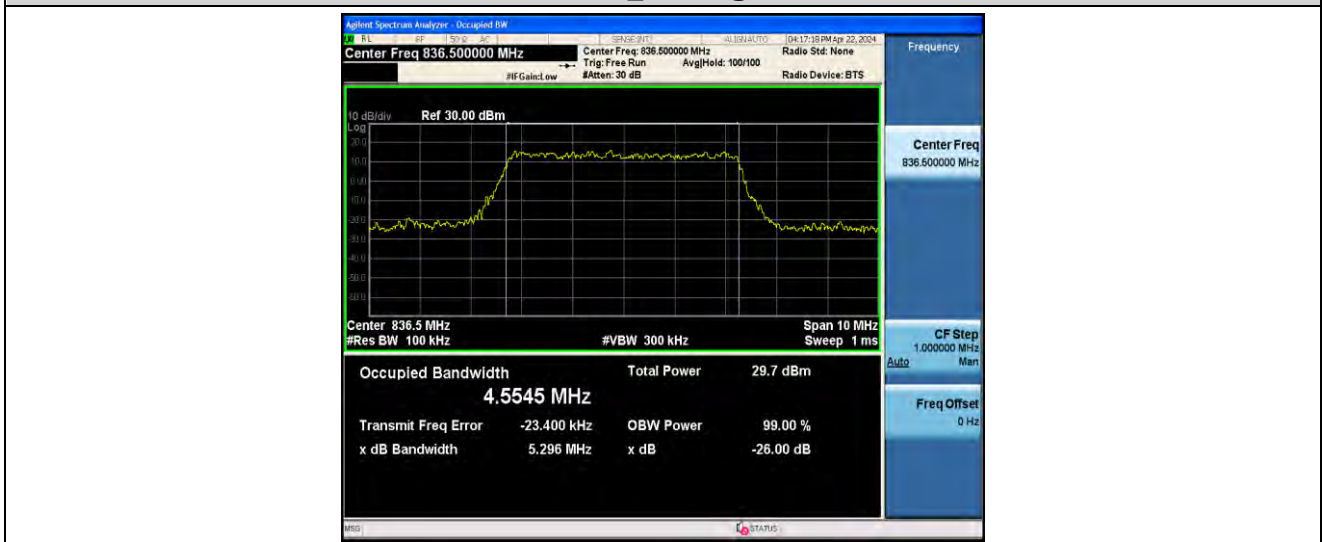


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1-N5-PC3-15-5-M-6-CP-QPSK-Outer_Full-25@0-ANT11-4.4912-5.210-≤5-PASS



1-N5-PC3-15-5-M-7-CP-16QAM-Outer_Full-25@0-ANT11-4.5545-5.296-≤5-PASS



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1-N5-PC3-15-5-M-8-CP-64QAM-Outer_Full-25@0-ANT11-4.4769-5.094-≤5-PASS



1-N5-PC3-15-5-M-9-CP-256QAM-Outer_Full-25@0-ANT11-4.5219-5.207-≤5-PASS



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1-N5-PC3-15-5-H-1-DFT-QPSK-Outer_Full-25@0-ANT11-4.4762-5.104-≤5-PASS



1-N5-PC3-15-5-H-2-DFT-PI2BPSK-Outer_Full-25@0-ANT11-4.4903-5.186-≤5-PASS



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1-N5-PC3-15-5-H-3-DFT-16QAM-Outer_Full-25@0-ANT11-4.5069-5.160-≤5-PASS



1-N5-PC3-15-5-H-4-DFT-64QAM-Outer_Full-25@0-ANT11-4.4915-5.033-≤5-PASS



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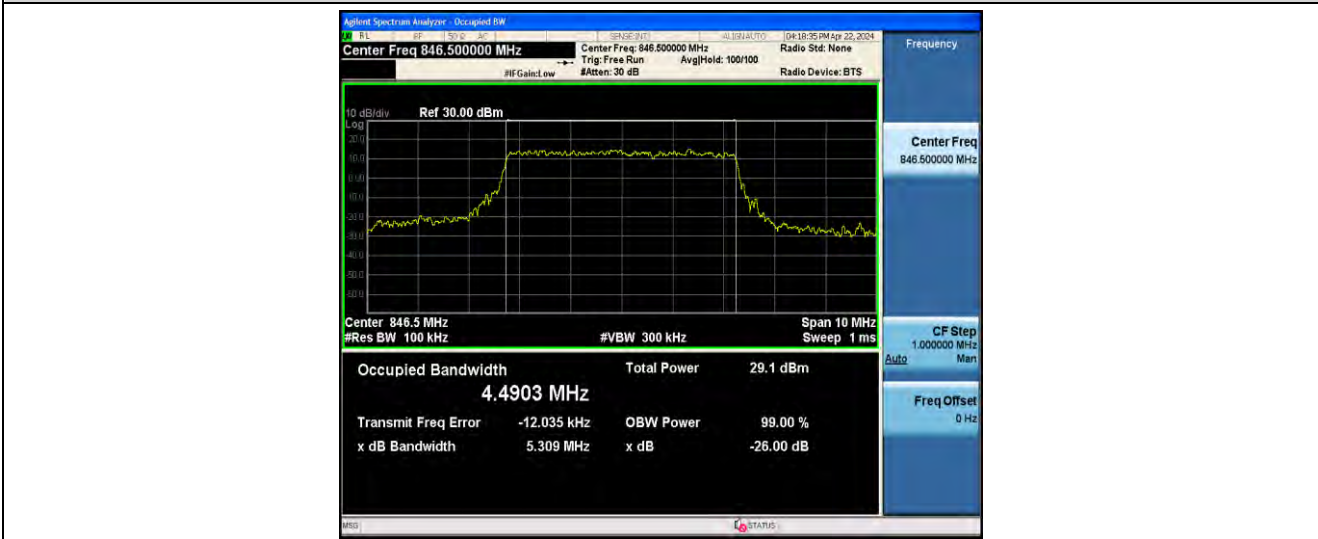


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1-N5-PC3-15-5-H-5-DFT-256QAM-Outer_Full-25@0-ANT11-4.4800-5.208-≤ 5-PASS



1-N5-PC3-15-5-H-6-CP-QPSK-Outer_Full-25@0-ANT11-4.4903-5.309-≤ 5-PASS



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1-N5-PC3-15-5-H-7-CP-16QAM-Outer_Full-25@0-ANT11-4.5219-5.179-≤5-PASS



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1-N5-PC3-15-5-H-9-CP-256QAM-Outer_Full-25@0-ANT11-4.5162-5.122-≤5-PASS



1-N5-PC3-15-10-L-1-DFT-QPSK-Outer_Full-50@0-ANT11-8.9181-9.623-≤10-PASS



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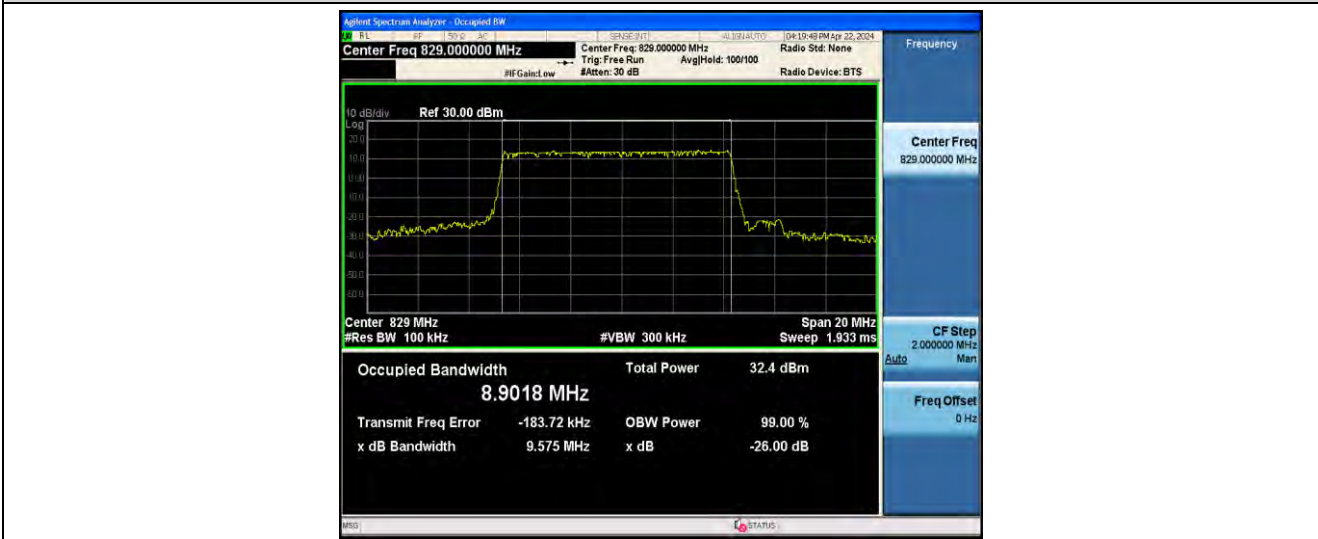


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1-N5-PC3-15-10-L-2-DFT-PI2BPSK-Outer_Full-50@0-ANT11-8.9024-9.519-≤10-PASS



1-N5-PC3-15-10-L-3-DFT-16QAM-Outer_Full-50@0-ANT11-8.9018-9.575-≤10-PASS



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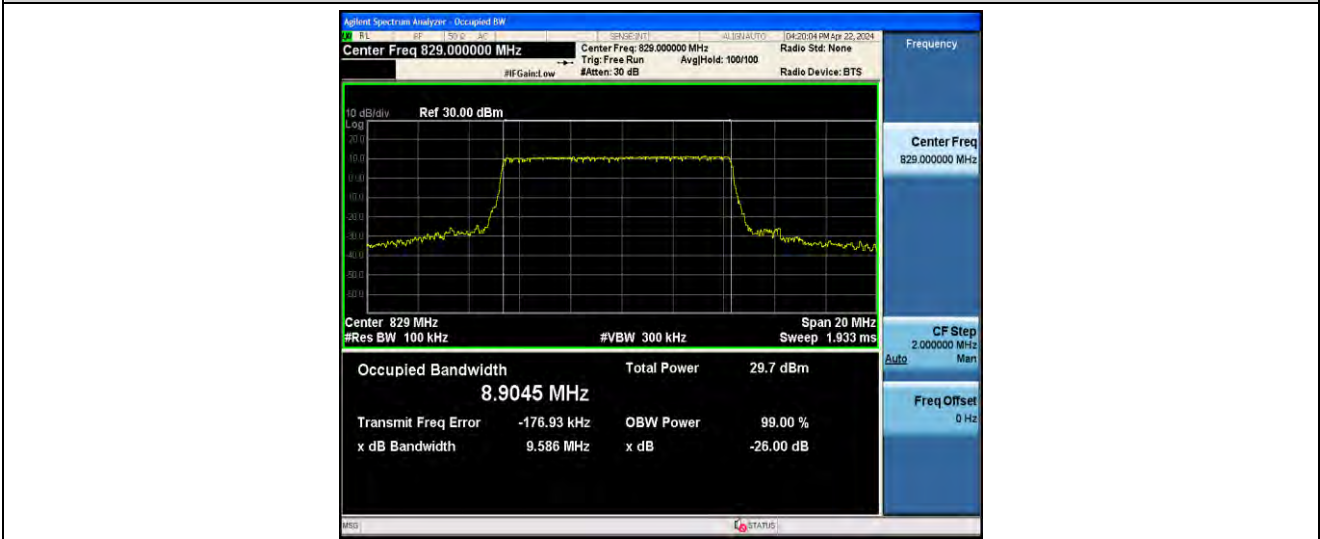


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1-N5-PC3-15-10-L-4-DFT-64QAM-Outer_Full-50@0-ANT11-8.9375-9.536-≤10-PASS



1-N5-PC3-15-10-L-5-DFT-256QAM-Outer_Full-50@0-ANT11-8.9045-9.586-≤10-PASS



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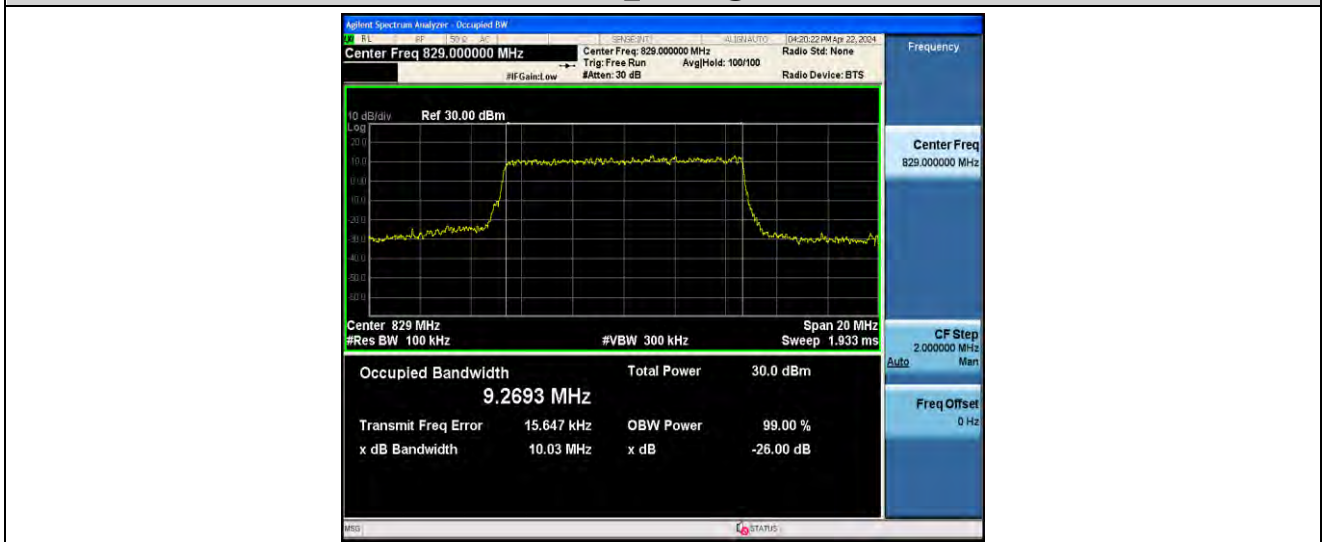


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1-N5-PC3-15-10-L-6-CP-QPSK-Outer_Full-52@0-ANT11-9.2760-9.992-≤10-PASS



1-N5-PC3-15-10-L-7-CP-16QAM-Outer_Full-52@0-ANT11-9.2693-10.03-≤10-PASS



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1-N5-PC3-15-10-L-8-CP-64QAM-Outer_Full-52@0-ANT11-9.2878-9.860-≤10-PASS



1-N5-PC3-15-10-L-9-CP-256QAM-Outer_Full-52@0-ANT11-9.2820-10.06-≤10-PASS



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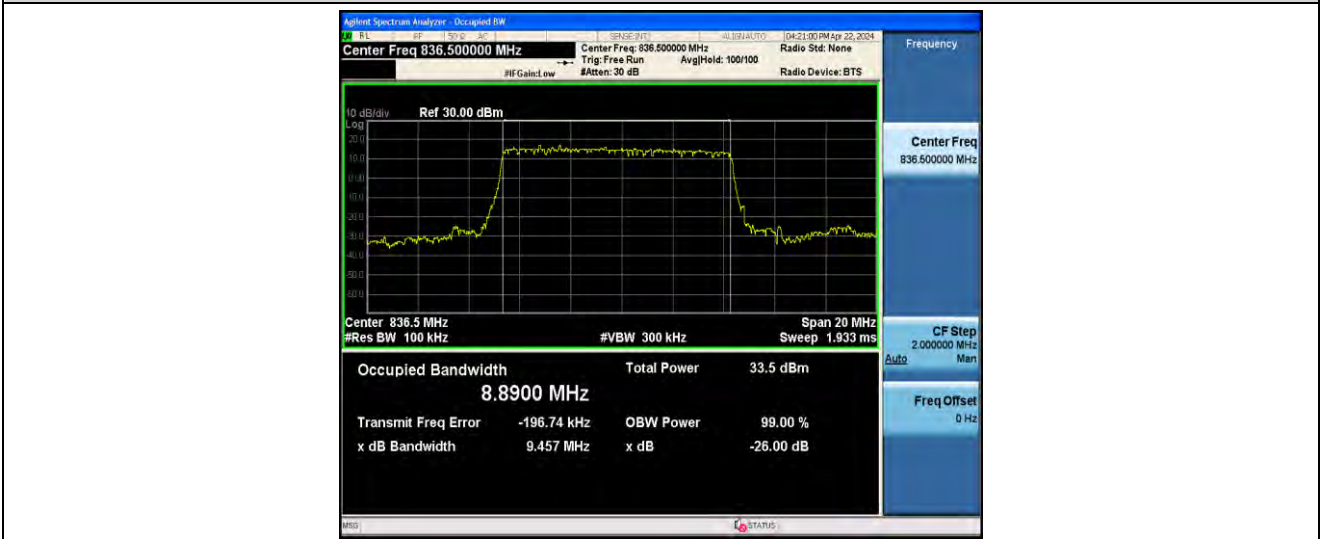


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1-N5-PC3-15-10-M-1-DFT-QPSK-Outer_Full-50@0-ANT11-8.9040-9.670-≤10-PASS



1-N5-PC3-15-10-M-2-DFT-PI2BPSK-Outer_Full-50@0-ANT11-8.8900-9.457-≤10-PASS



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1-N5-PC3-15-10-M-3-DFT-16QAM-Outer_Full-50@0-ANT11-8.8941-9.473-≤10-PASS



1-N5-PC3-15-10-M-4-DFT-64QAM-Outer_Full-50@0-ANT11-8.9172-9.606-≤10-PASS



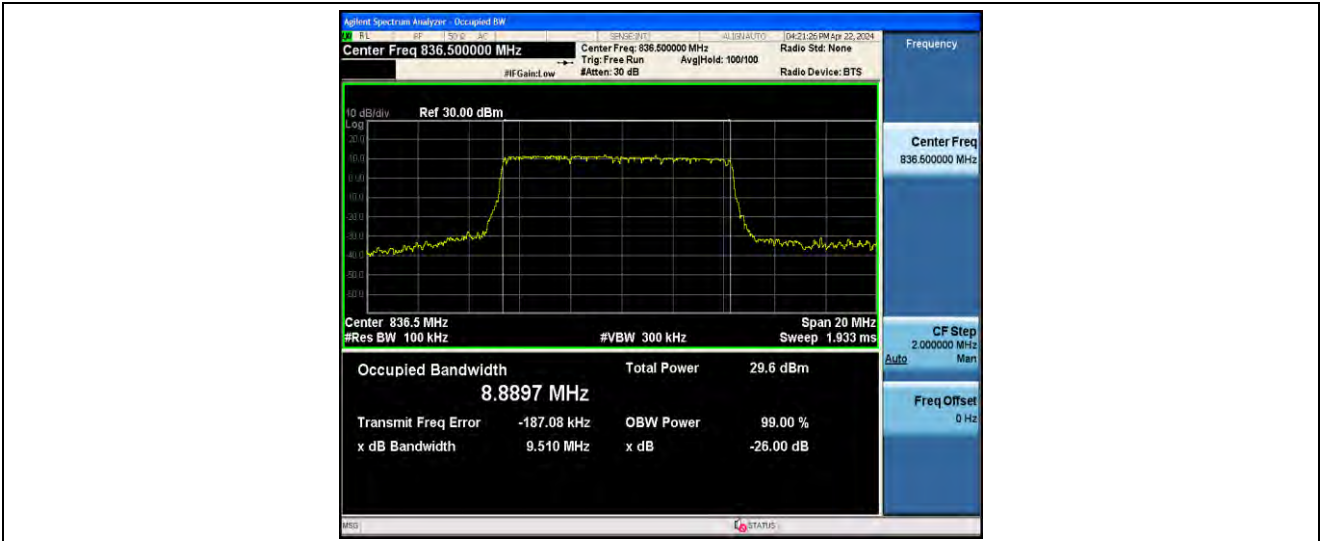
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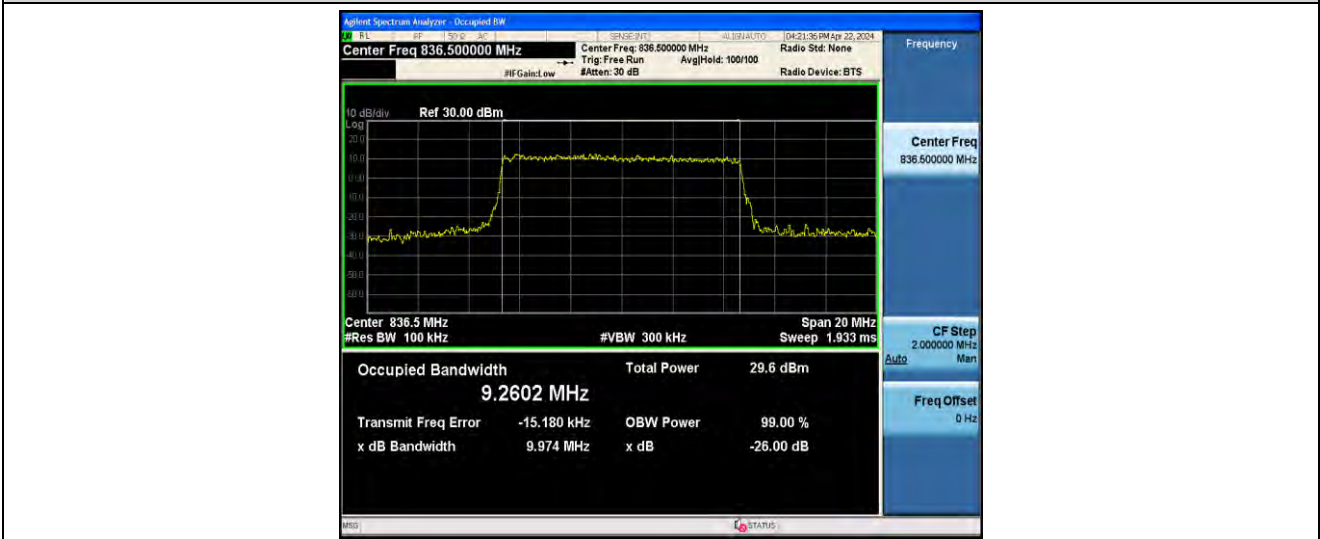


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1-N5-PC3-15-10-M-5-DFT-256QAM-Outer_Full-50@0-ANT11-8.8897-9.510-≤10-PASS



1-N5-PC3-15-10-M-6-CP-QPSK-Outer_Full-52@0-ANT11-9.2602-9.974-≤10-PASS



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1-N5-PC3-15-10-M-7-CP-16QAM-Outer_Full-52@0-ANT11-9.2911-9.845-≤10-PASS



1-N5-PC3-15-10-M-8-CP-64QAM-Outer_Full-52@0-ANT11-9.2518-9.809-≤10-PASS



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1-N5-PC3-15-10-M-9-CP-256QAM-Outer_Full-52@0-ANT11-9.2692-9.933-≤10-PASS



1-N5-PC3-15-10-H-1-DFT-QPSK-Outer_Full-50@0-ANT11-8.9133-9.678-≤10-PASS



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1-N5-PC3-15-10-H-2-DFT-PI2BPSK-Outer_Full-50@0-ANT11-8.8859-9.447-≤10-PASS



1-N5-PC3-15-10-H-3-DFT-16QAM-Outer_Full-50@0-ANT11-8.8938-9.612-≤10-PASS



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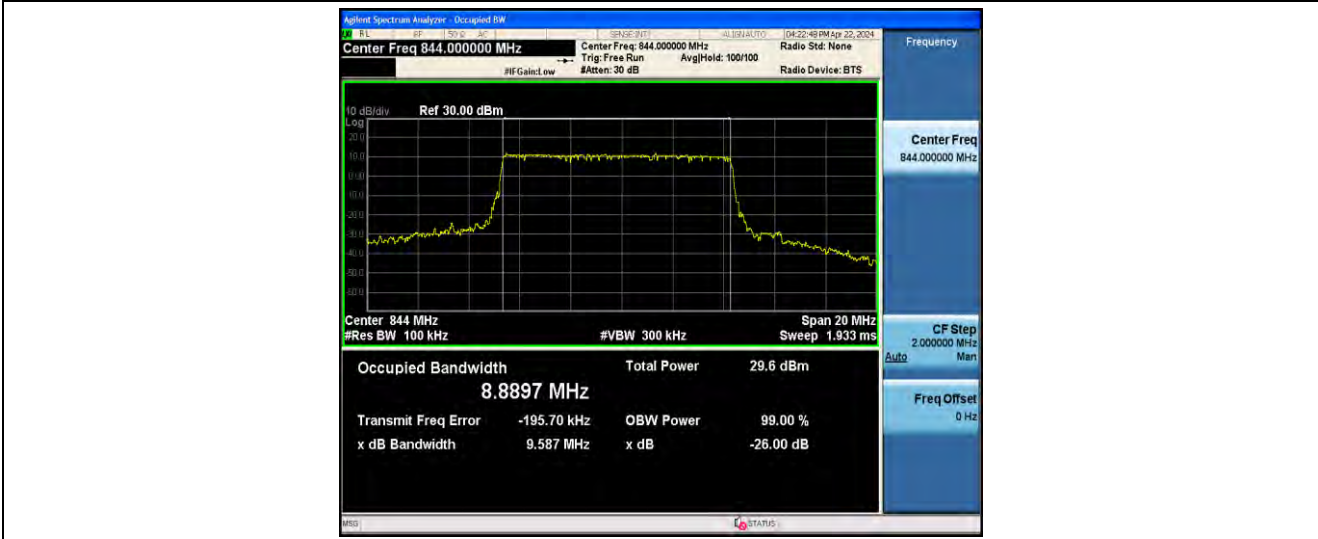


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1-N5-PC3-15-10-H-4-DFT-64QAM-Outer_Full-50@0-ANT11-8.9138-9.593-≤10-PASS



1-N5-PC3-15-10-H-5-DFT-256QAM-Outer_Full-50@0-ANT11-8.8897-9.587-≤10-PASS



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1-N5-PC3-15-10-H-6-CP-QPSK-Outer_Full-52@0-ANT11-9.2613-9.944-≤10-PASS



1-N5-PC3-15-10-H-7-CP-16QAM-Outer_Full-52@0-ANT11-9.2847-9.862-≤10-PASS



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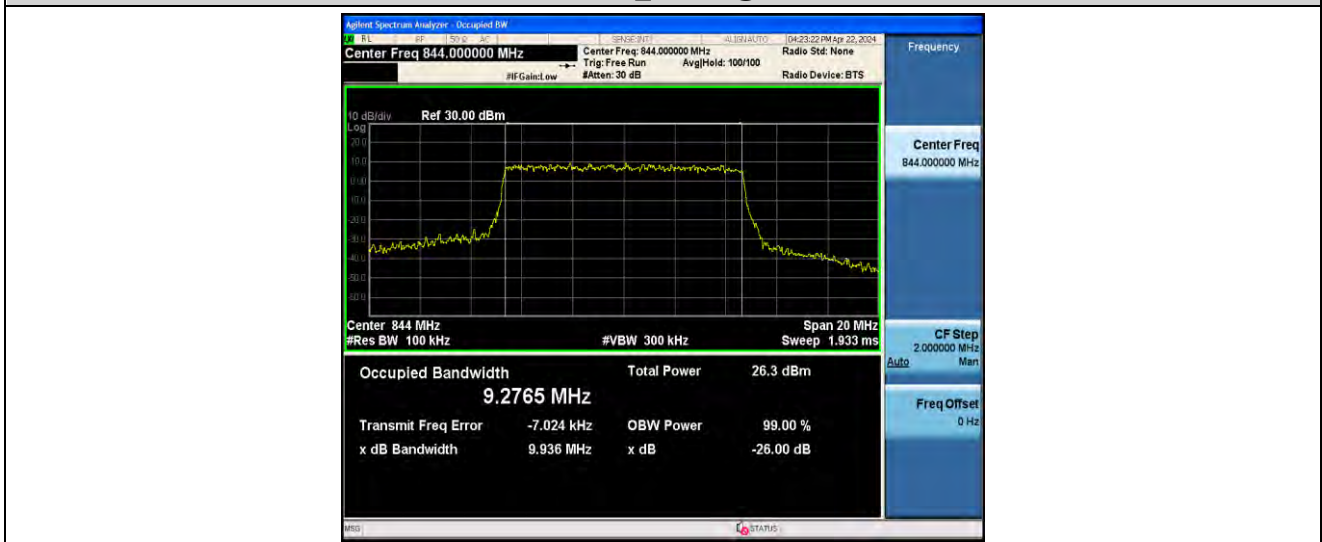


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1-N5-PC3-15-10-H-8-CP-64QAM-Outer_Full-52@0-ANT11-9.2825-9.913-≤10-PASS



1-N5-PC3-15-10-H-9-CP-256QAM-Outer_Full-52@0-ANT11-9.2765-9.936-≤10-PASS



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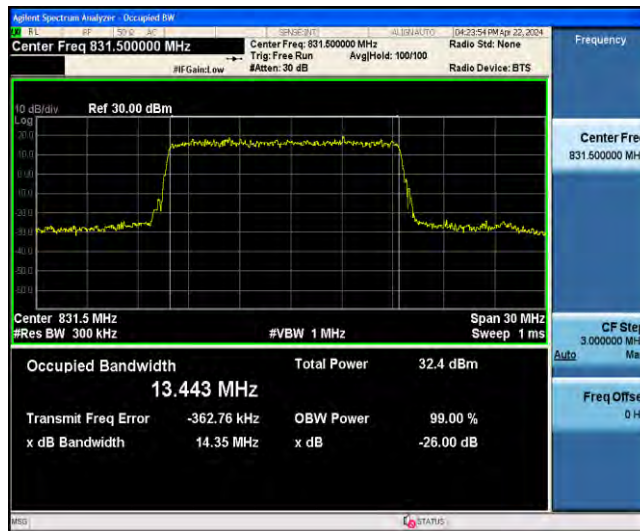


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1-N5-PC3-15-15-L-1-DFT-QPSK-Outer_Full-75@0-ANT11-13.481-14.42-≤15-PASS



1-N5-PC3-15-15-L-2-DFT-PI2BPSK-Outer_Full-75@0-ANT11-13.443-14.35-≤15-PASS



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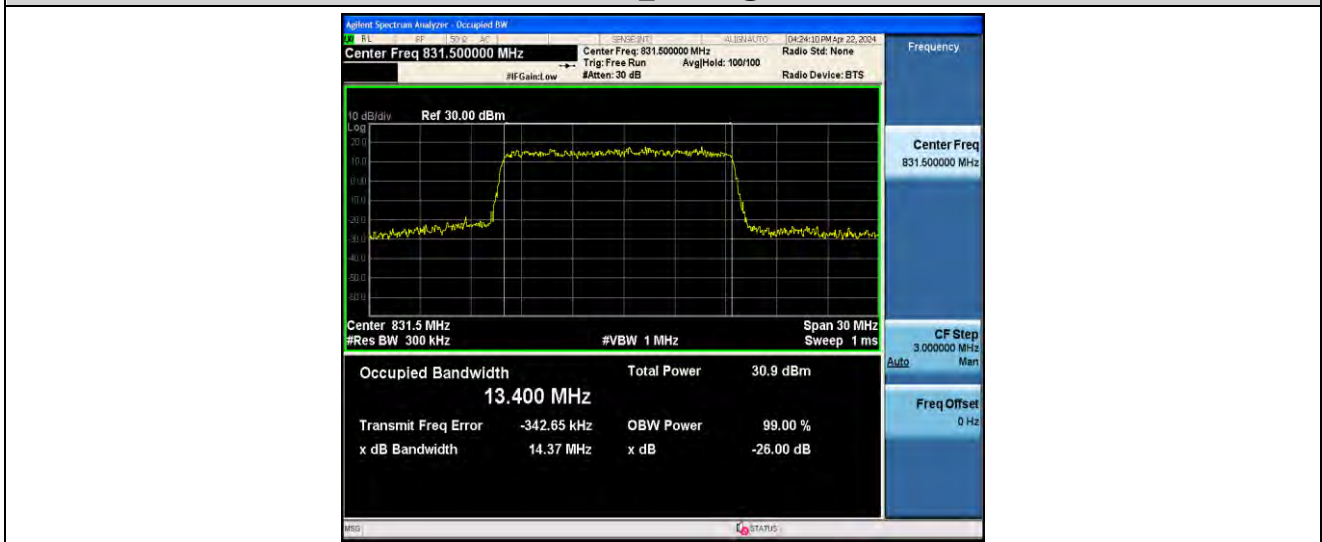


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1-N5-PC3-15-15-L-3-DFT-16QAM-Outer_Full-75@0-ANT11-13.450-14.30-≤15-PASS



1-N5-PC3-15-15-L-4-DFT-64QAM-Outer_Full-75@0-ANT11-13.400-14.37-≤15-PASS



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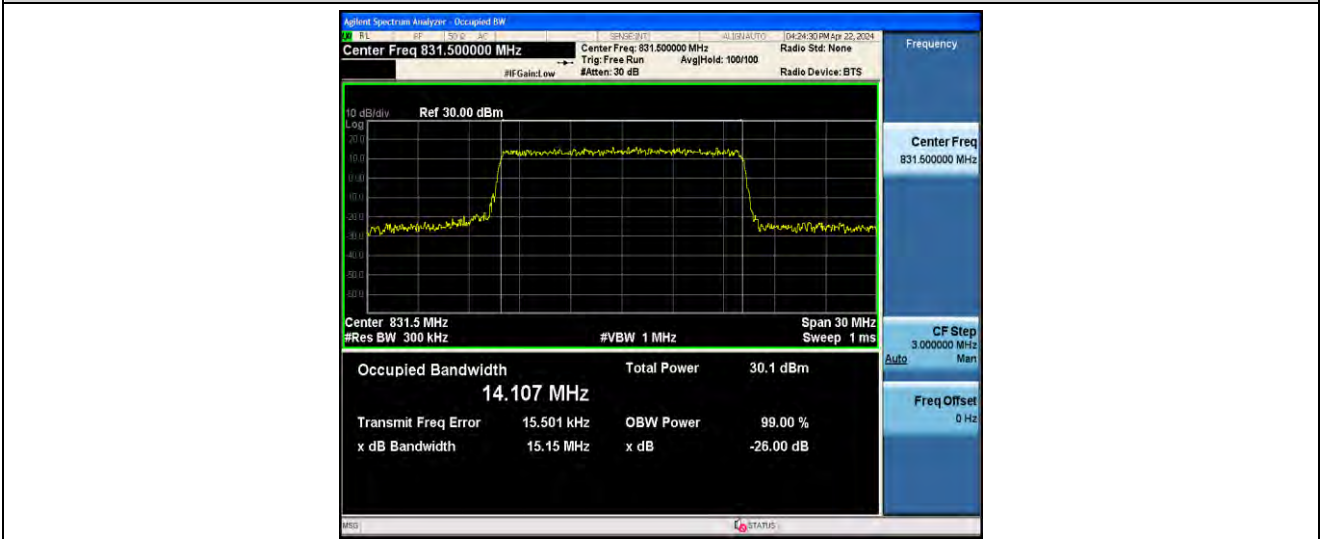


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1-N5-PC3-15-15-L-5-DFT-256QAM-Outer_Full-75@0-ANT11-13.512-14.55-≤15-PASS



1-N5-PC3-15-15-L-6-CP-QPSK-Outer_Full-79@0-ANT11-14.107-15.15-≤15-PASS



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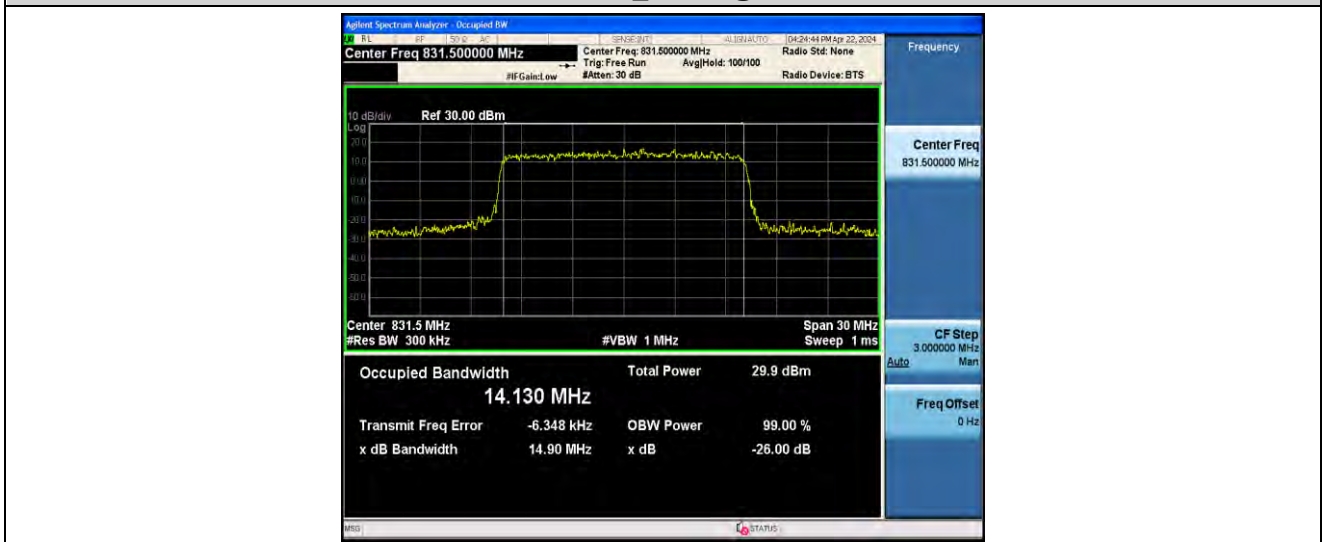


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1-N5-PC3-15-15-L-7-CP-16QAM-Outer_Full-79@0-ANT11-14.121-15.14-<=15-PASS



1-N5-PC3-15-15-L-8-CP-64QAM-Outer_Full-79@0-ANT11-14.130-14.90-<=15-PASS



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1-N5-PC3-15-15-L-9-CP-256QAM-Outer_Full-79@0-ANT11-14.104-15.09-≤15-PASS



1-N5-PC3-15-15-M-1-DFT-QPSK-Outer_Full-75@0-ANT11-13.501-14.30-≤15-PASS



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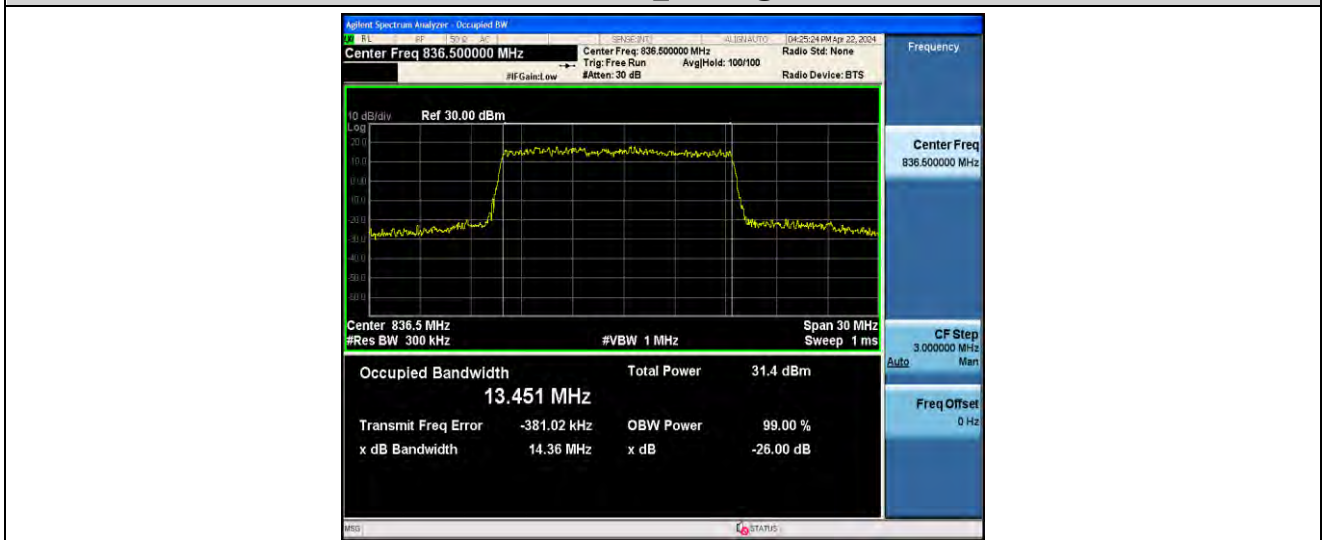


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1-N5-PC3-15-15-M-2-DFT-PI2BPSK-Outer_Full-75@0-ANT11-13.449-14.41-≤15-PASS



1-N5-PC3-15-15-M-3-DFT-16QAM-Outer_Full-75@0-ANT11-13.451-14.36-≤15-PASS



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1-N5-PC3-15-15-M-4-DFT-64QAM-Outer_Full-75@0-ANT11-13.445-14.28-≤15-PASS



1-N5-PC3-15-15-M-5-DFT-256QAM-Outer_Full-75@0-ANT11-13.421-14.33-≤15-PASS



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1-N5-PC3-15-15-M-6-CP-QPSK-Outer_Full-79@0-ANT11-14.106-15.19-≤15-PASS



1-N5-PC3-15-15-M-7-CP-16QAM-Outer_Full-79@0-ANT11-14.145-15.19-≤15-PASS



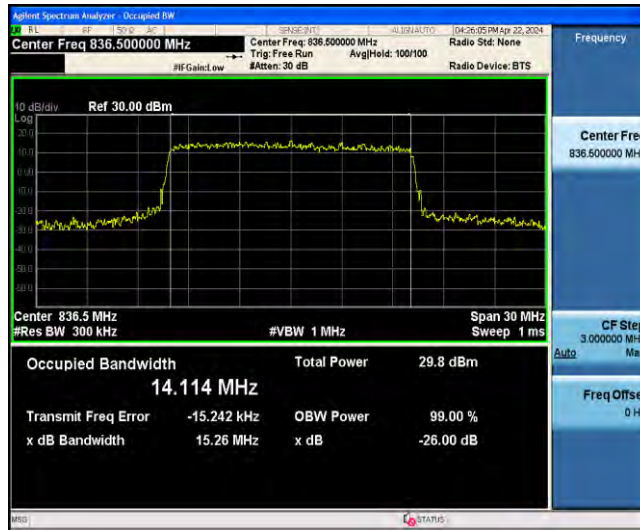
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1-N5-PC3-15-15-M-8-CP-64QAM-Outer_Full-79@0-ANT11-14.114-15.26-≤15-PASS



1-N5-PC3-15-15-M-9-CP-256QAM-Outer_Full-79@0-ANT11-14.103-15.13-≤15-PASS



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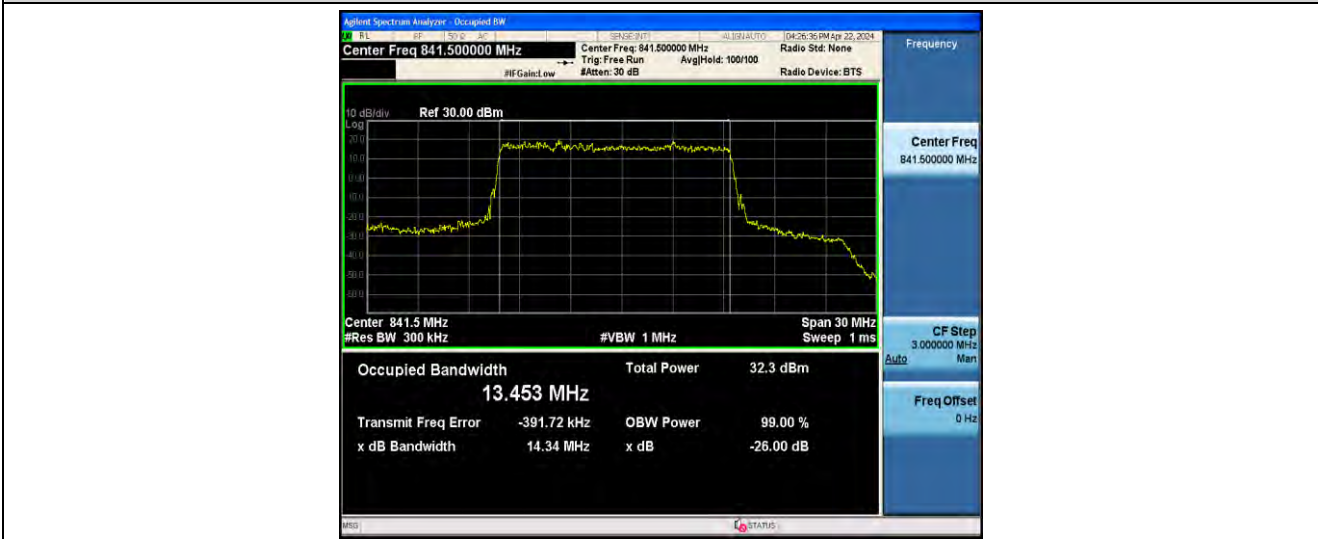


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1-N5-PC3-15-15-H-1-DFT-QPSK-Outer_Full-75@0-ANT11-13.460-14.48-≤15-PASS



1-N5-PC3-15-15-H-2-DFT-PI2BPSK-Outer_Full-75@0-ANT11-13.453-14.34-≤15-PASS



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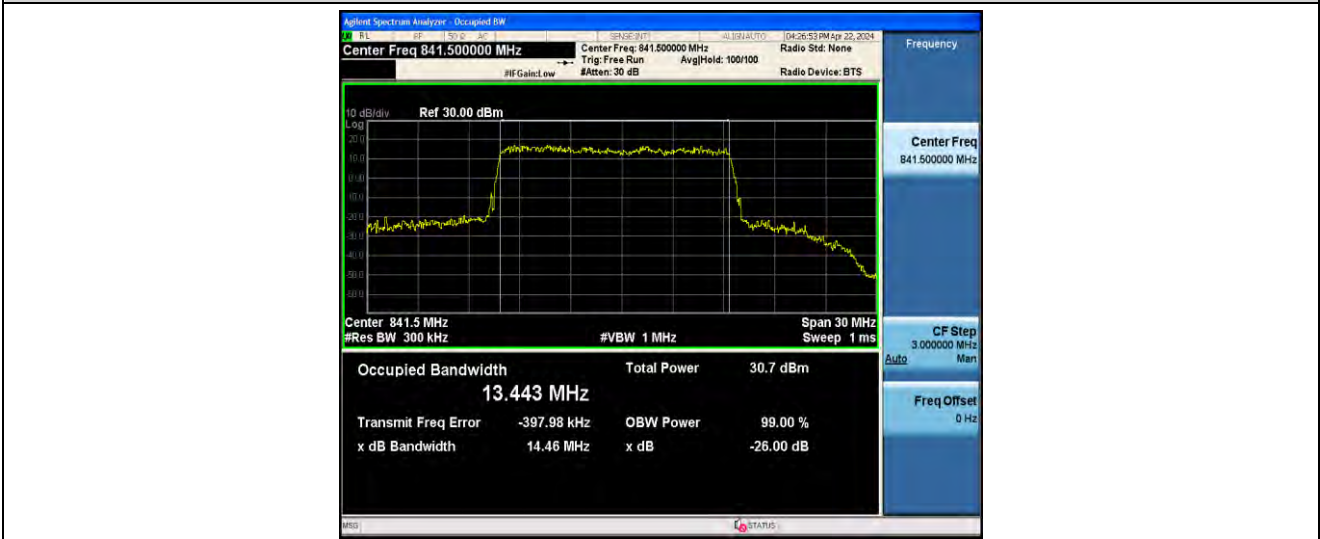


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1-N5-PC3-15-15-H-3-DFT-16QAM-Outer_Full-75@0-ANT11-13.525-14.35-≤15-PASS



1-N5-PC3-15-15-H-4-DFT-64QAM-Outer_Full-75@0-ANT11-13.443-14.46-≤15-PASS



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1-N5-PC3-15-15-H-5-DFT-256QAM-Outer_Full-75@0-ANT11-13.510-14.28-≤15-PASS



1-N5-PC3-15-15-H-6-CP-QPSK-Outer_Full-79@0-ANT11-14.159-15.26-≤15-PASS



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1-N5-PC3-15-20-L-1-DFT-QPSK-Outer_Full-100@0-ANT11-17.827-18.81-≤20-PASS



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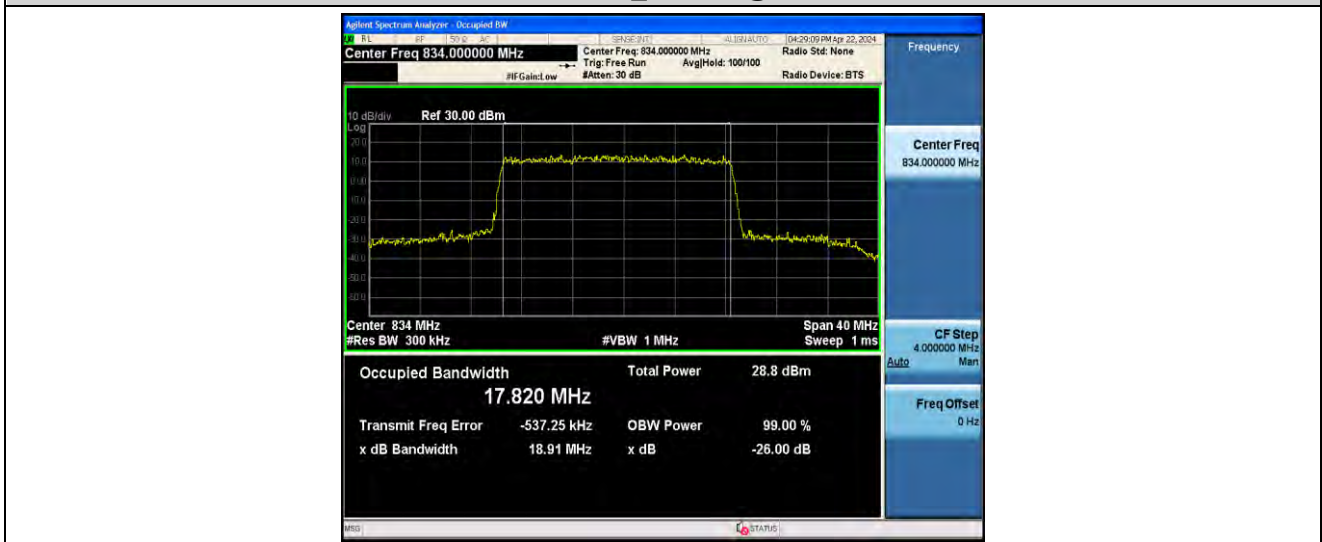


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1-N5-PC3-15-20-L-4-DFT-64QAM-Outer_Full-100@0-ANT11-17.862-18.77-≤20-PASS



1-N5-PC3-15-20-L-5-DFT-256QAM-Outer_Full-100@0-ANT11-17.820-18.91-≤20-PASS



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1-N5-PC3-15-20-L-6-CP-QPSK-Outer_Full-106@0-ANT11-18.887-19.94-≤20-PASS



1-N5-PC3-15-20-L-7-CP-16QAM-Outer_Full-106@0-ANT11-18.854-20.04-≤20-PASS



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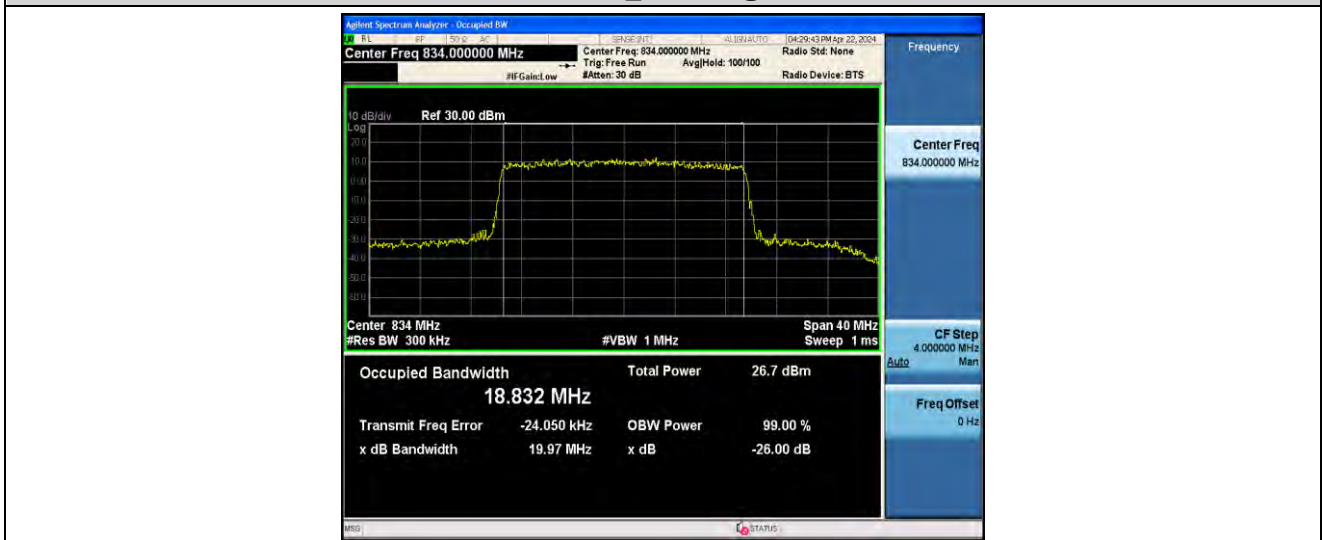


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1-N5-PC3-15-20-L-8-CP-64QAM-Outer_Full-106@0-ANT11-18.858-19.71-≤20-PASS



1-N5-PC3-15-20-L-9-CP-256QAM-Outer_Full-106@0-ANT11-18.832-19.97-≤20-PASS



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1-N5-PC3-15-20-M-1-DFT-QPSK-Outer_Full-100@0-ANT11-17.858-18.82-<20-PASS



1-N5-PC3-15-20-M-2-DFT-PI2BPSK-Outer_Full-100@0-ANT11-17.900-18.77-<20-PASS



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1-N5-PC3-15-20-M-3-DFT-16QAM-Outer_Full-100@0-ANT11-17.851-18.83-≤20-PASS



1-N5-PC3-15-20-M-4-DFT-64QAM-Outer_Full-100@0-ANT11-17.853-18.83-≤20-PASS



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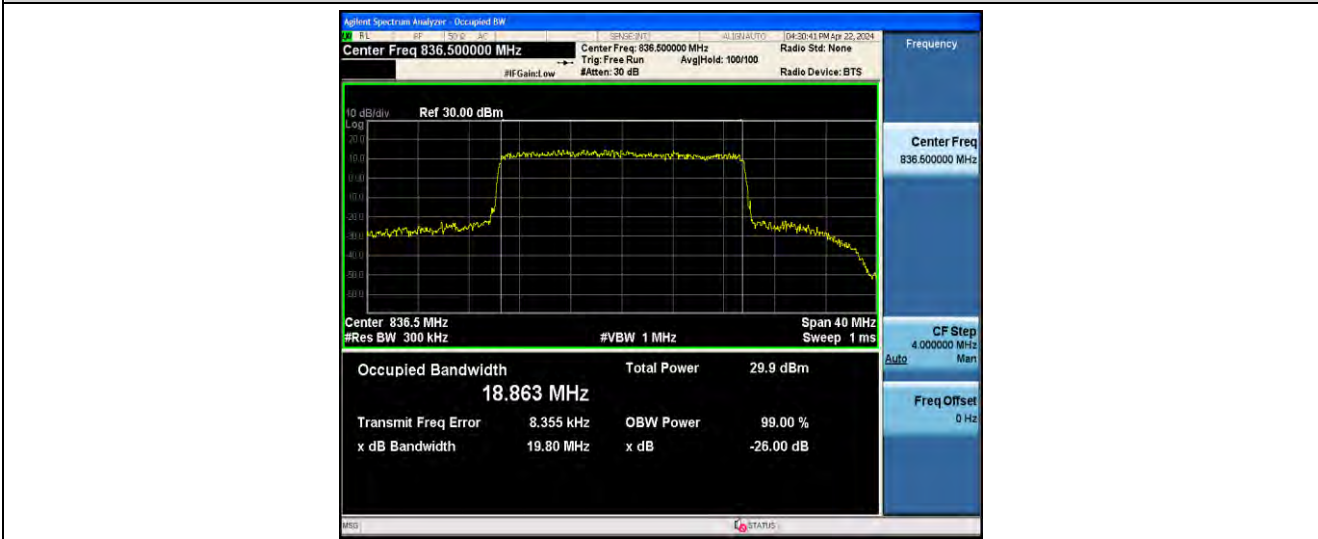


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1-N5-PC3-15-20-M-5-DFT-256QAM-Outer_Full-100@0-ANT11-17.859-18.94-≤20-PASS



1-N5-PC3-15-20-M-6-CP-QPSK-Outer_Full-106@0-ANT11-18.863-19.80-≤20-PASS



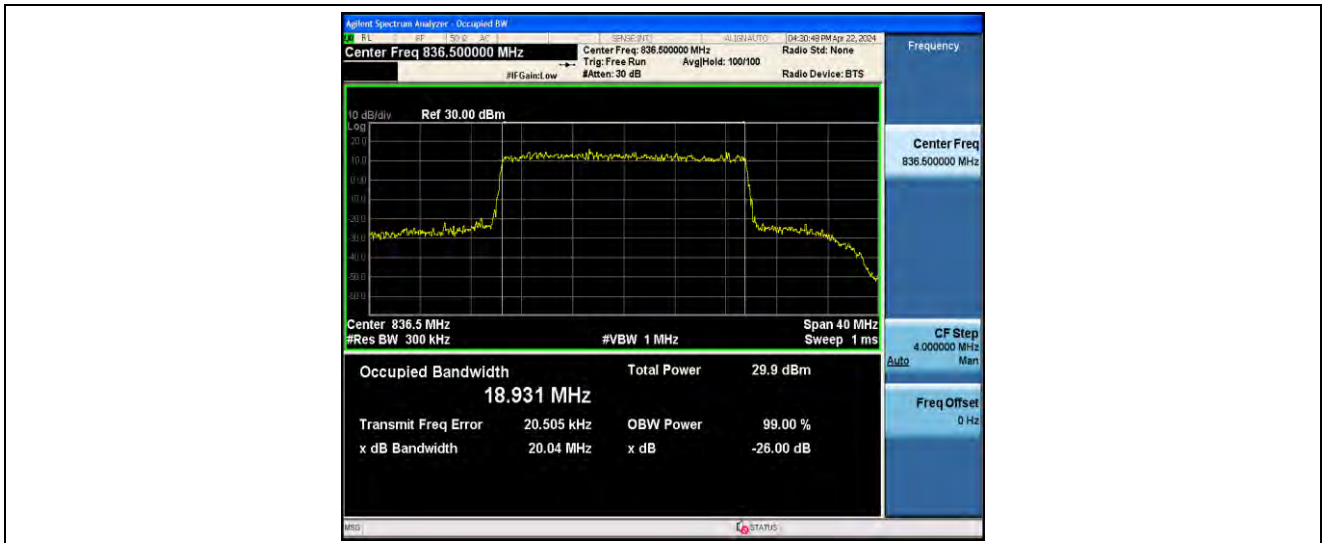
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1-N5-PC3-15-20-M-7-CP-16QAM-Outer_Full-106@0-ANT11-18.931-20.04-≤20-PASS



1-N5-PC3-15-20-M-8-CP-64QAM-Outer_Full-106@0-ANT11-18.830-19.92-≤20-PASS



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1-N5-PC3-15-20-M-9-CP-256QAM-Outer_Full-106@0-ANT11-18.886-19.91-≤20-PASS



1-N5-PC3-15-20-H-1-DFT-QPSK-Outer_Full-100@0-ANT11-17.843-18.79-≤20-PASS



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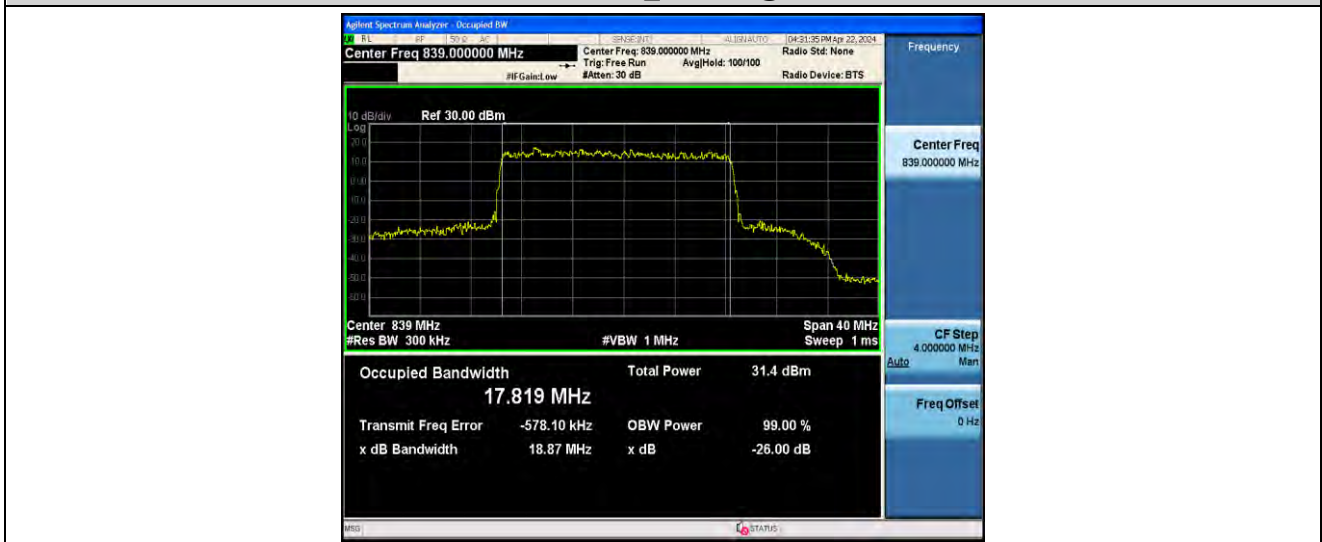


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1-N5-PC3-15-20-H-2-DFT-PI2BPSK-Outer_Full-100@0-ANT11-17.893-18.76-≤ 20-PASS



1-N5-PC3-15-20-H-3-DFT-16QAM-Outer_Full-100@0-ANT11-17.819-18.87-≤ 20-PASS



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1-N5-PC3-15-20-H-4-DFT-64QAM-Outer_Full-100@0-ANT11-17.882-18.92-≤20-PASS



1-N5-PC3-15-20-H-5-DFT-256QAM-Outer_Full-100@0-ANT11-17.848-18.94-≤20-PASS



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1-N5-PC3-15-20-H-6-CP-QPSK-Outer_Full-106@0-ANT11-18.887-20.10-≤20-PASS



1-N5-PC3-15-20-H-7-CP-16QAM-Outer_Full-106@0-ANT11-18.899-20.04-≤20-PASS



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1-N5-PC3-15-20-H-8-CP-64QAM-Outer_Full-106@0-ANT11-18.877-19.92-≤20-PASS



1-N5-PC3-15-20-H-9-CP-256QAM-Outer_Full-106@0-ANT11-18.889-19.80-≤20-PASS



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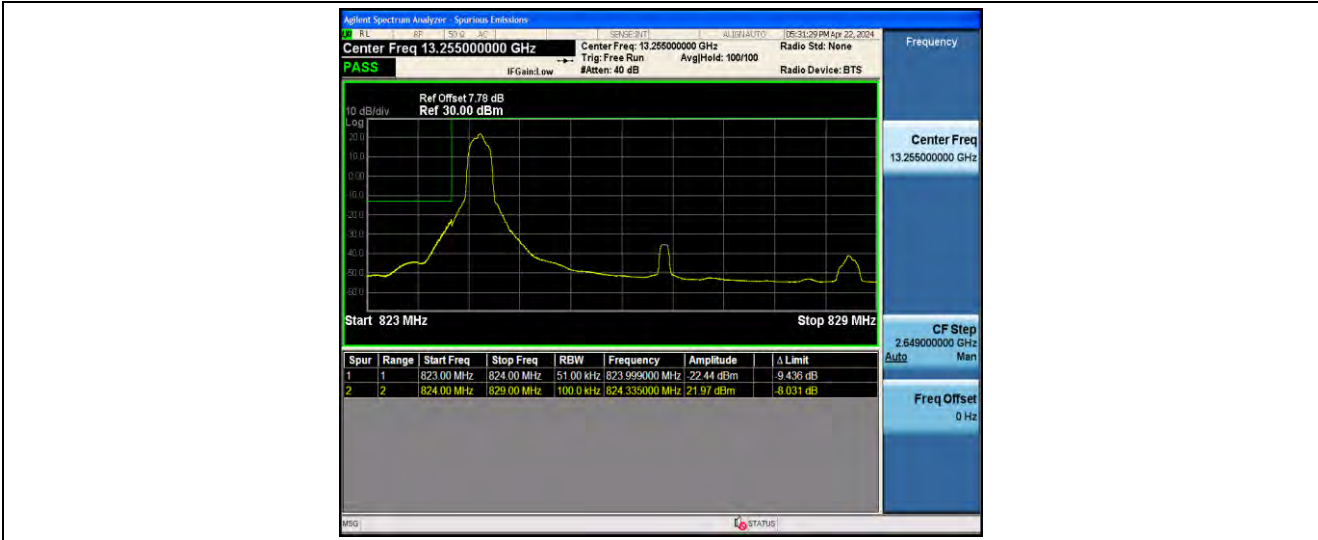


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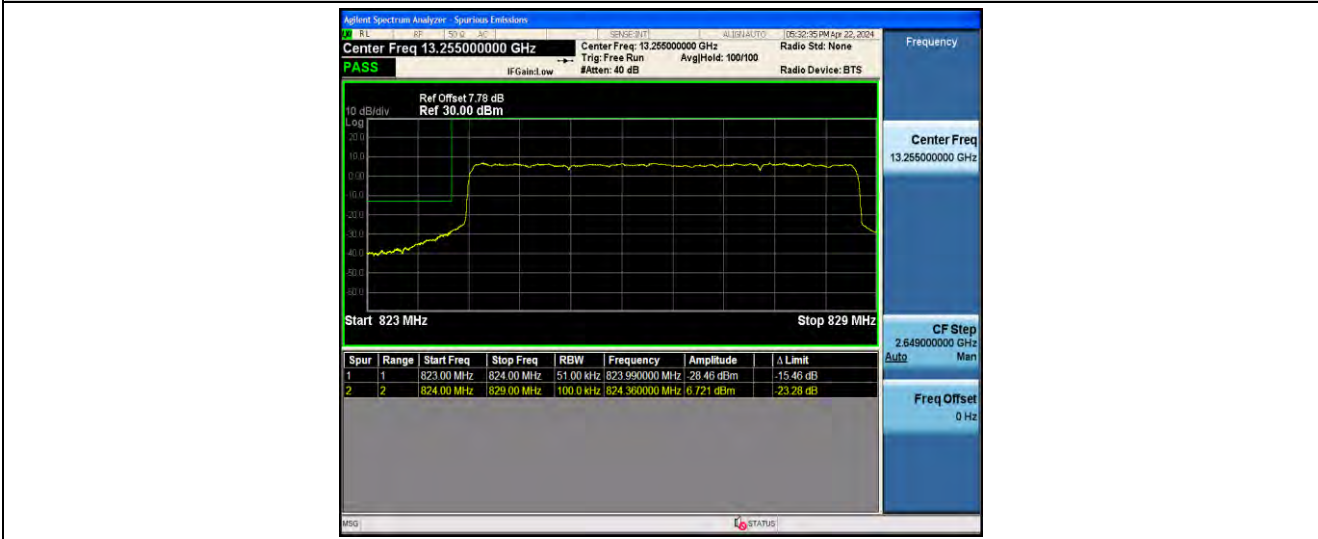
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Band Edge for SA

Test Graphs



1-N5-PC3-15-5-L-1-DFT-PI2BPSK-Edge_1RB_Left-1@0-ANT11-824.00-9.44--22.44-PASS



1-N5-PC3-15-5-L-3-DFT-PI2BPSK-Outer_Full-25@0-ANT11-823.99-15.46--28.46-PASS



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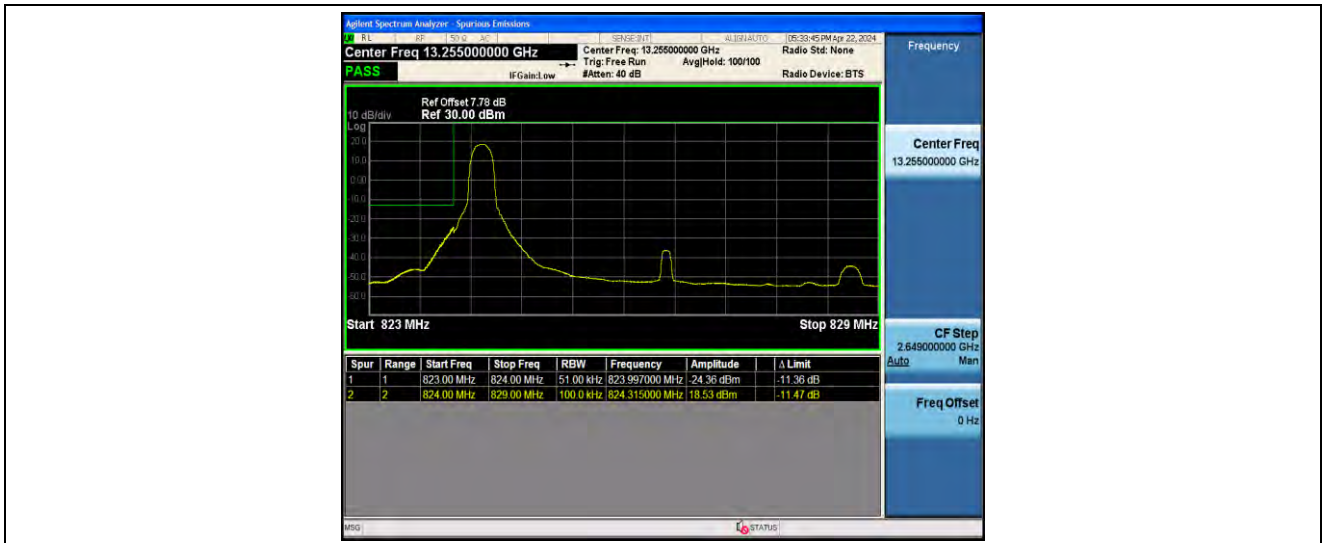
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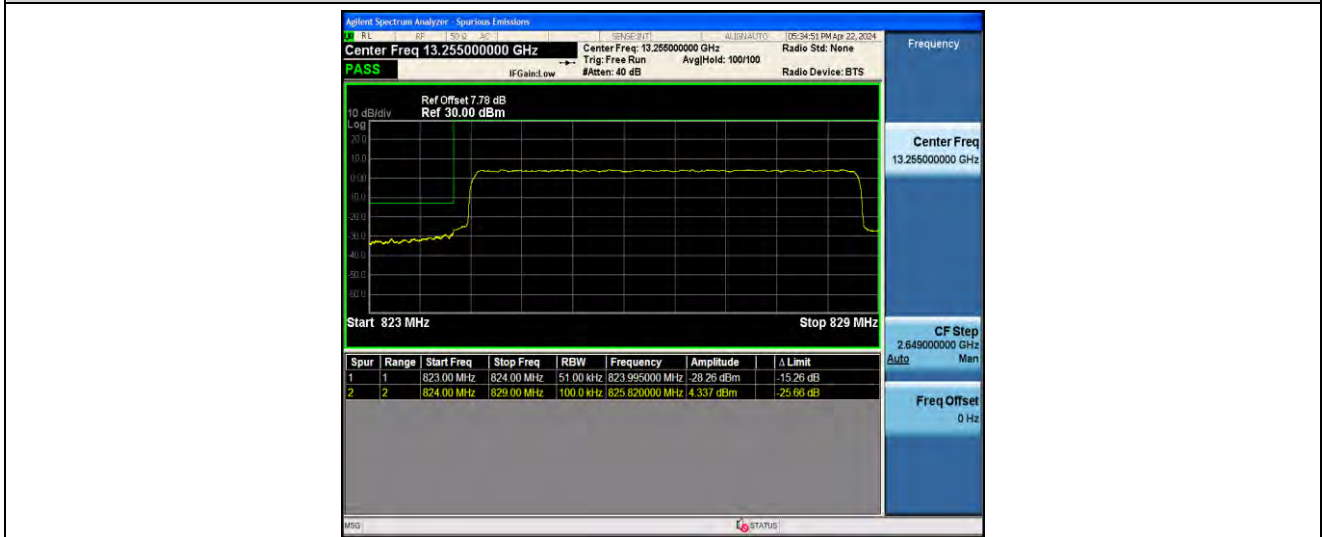


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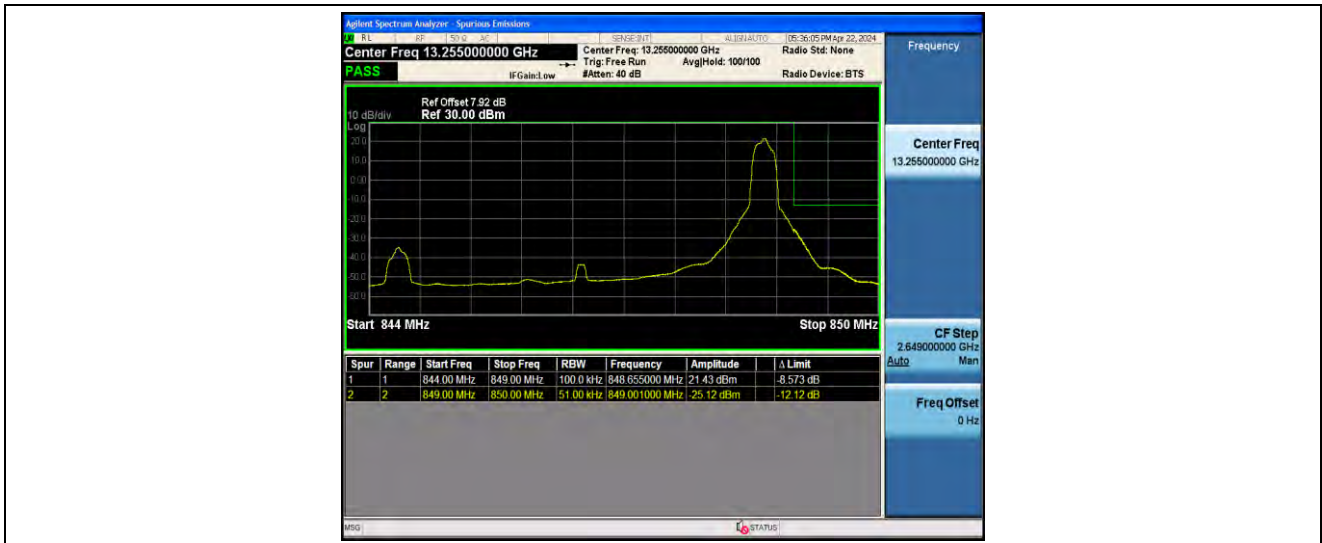
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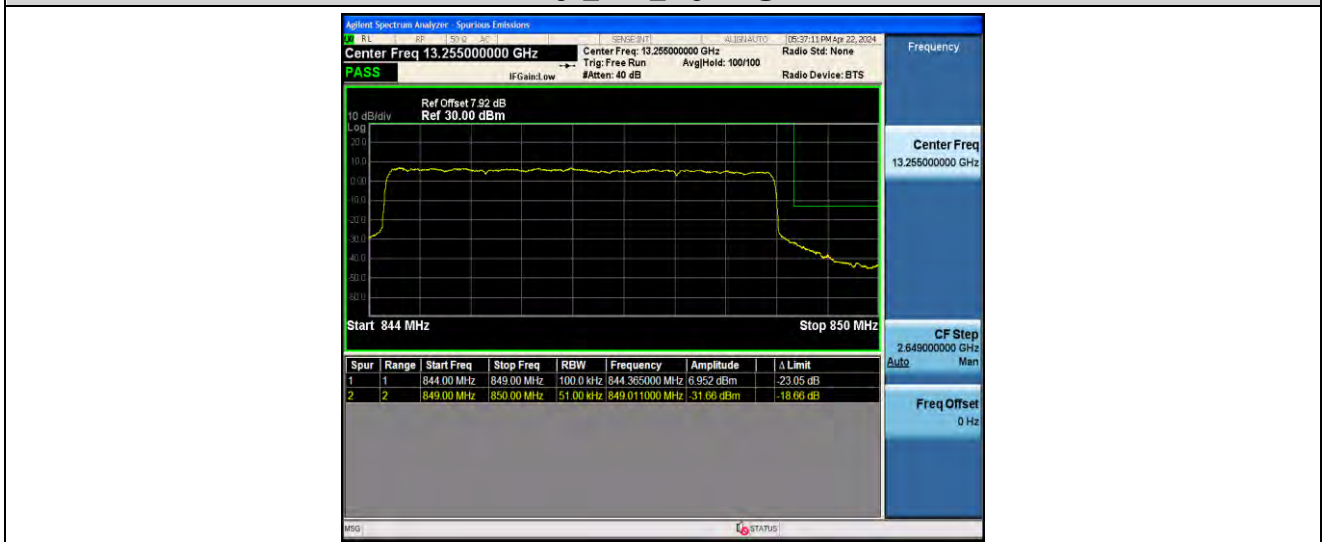


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1-N5-PC3-15-5-H-2-DFT-PI2BPSK-Edge_1RB_Right-1@24-ANT11-849.00-12.12--25.12-PASS



1-N5-PC3-15-5-H-3-DFT-PI2BPSK-Outer_Full-25@0-ANT11-849.01-18.66--31.66-PASS



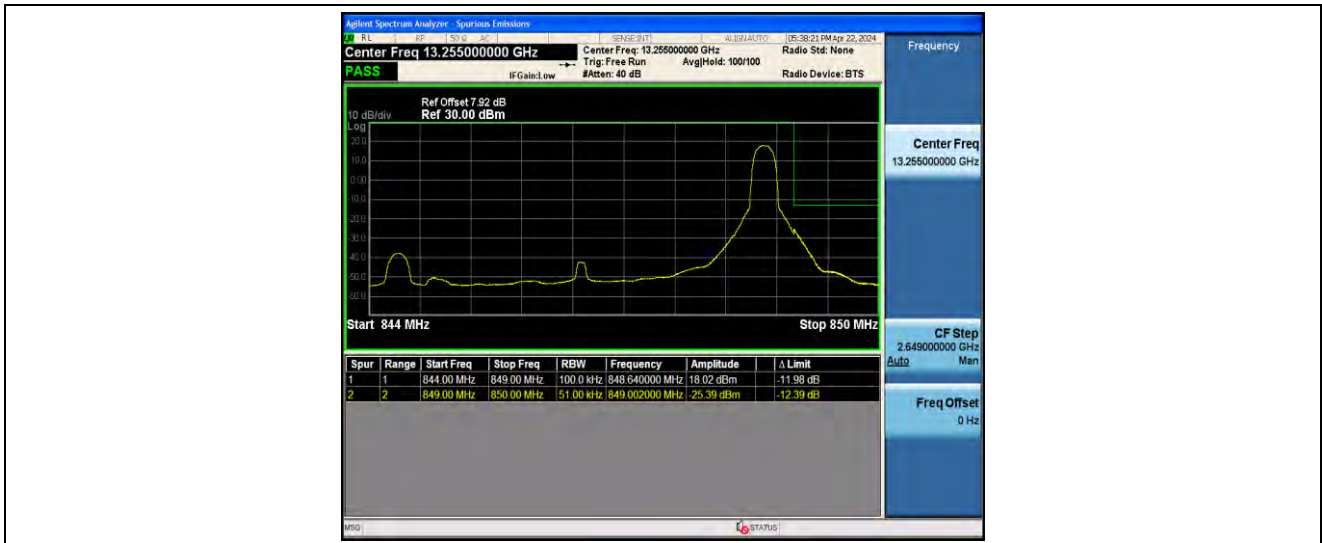
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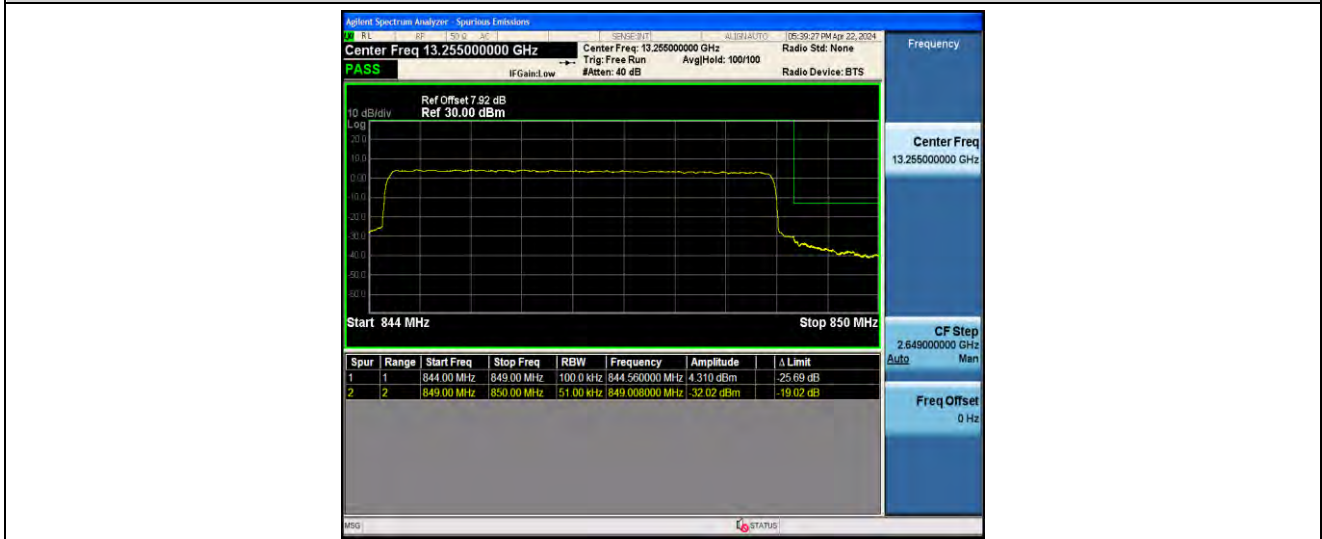


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1-N5-PC3-15-5-H-5-CP-QPSK-Edge_1RB_Right-1@24-ANT11-849.00-12.39--25.39-PASS



1-N5-PC3-15-5-H-6-CP-QPSK-Outer_Full-25@0-ANT11-849.01-19.02--32.02-PASS

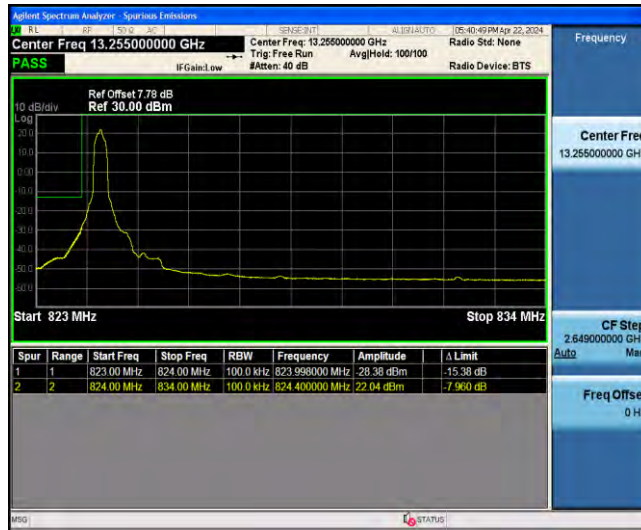


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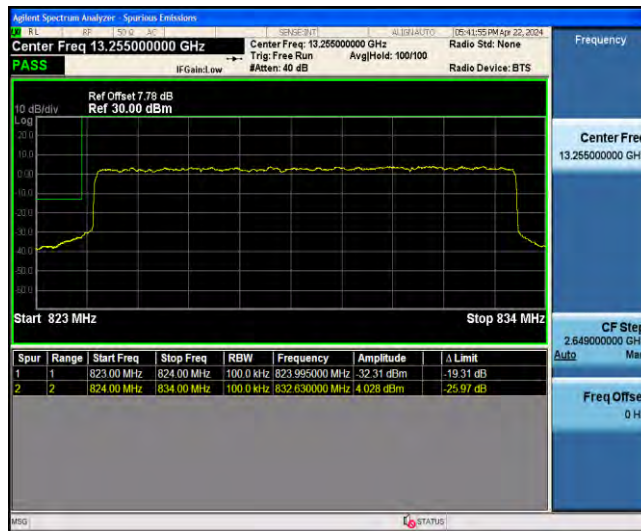
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1-N5-PC3-15-10-L-1-DFT-PI2BPSK-Edge_1RB_Left-1@0-ANT11-824.00-15.38--28.38-PASS



1-N5-PC3-15-10-L-3-DFT-PI2BPSK-Outer_Full-50@0-ANT11-824.00-19.31--32.31-PASS



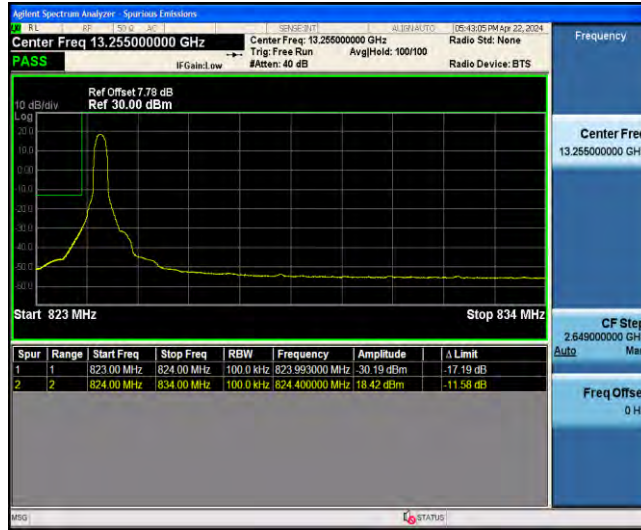
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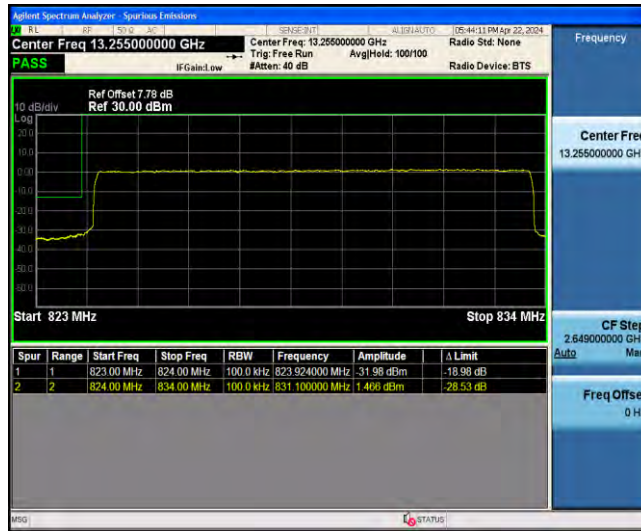
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1-N5-PC3-15-10-L-4-CP-QPSK-Edge_1RB_Left-1@0-ANT11-823.99-17.19--30.19-PASS



1-N5-PC3-15-10-L-6-CP-QPSK-Outer_Full-52@0-ANT11-823.92-18.98--31.98-PASS



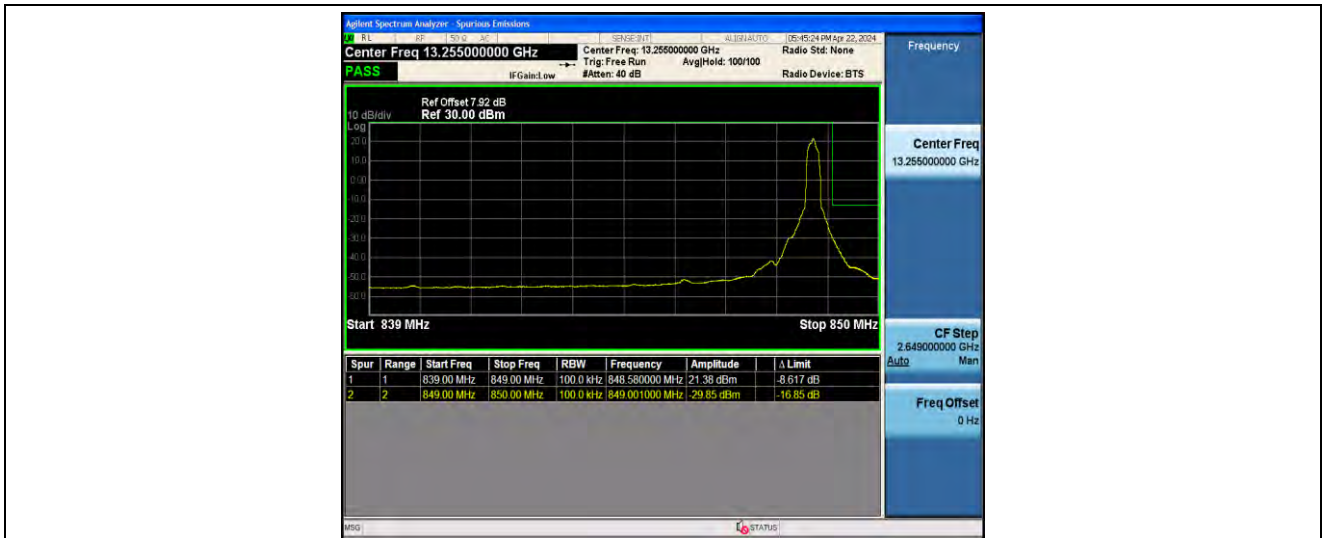
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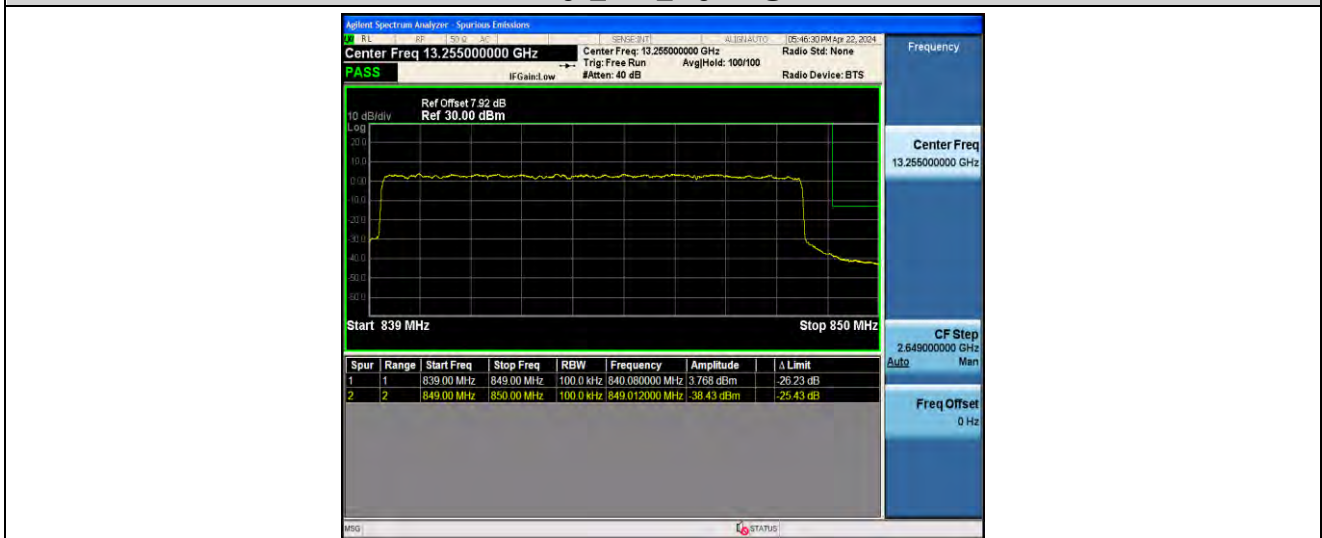


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1-N5-PC3-15-10-H-2-DFT-PI2BPSK-Edge_1RB_Right-1@51-ANT11-849.00-16.85--29.85-PASS



1-N5-PC3-15-10-H-3-DFT-PI2BPSK-Outer_Full-50@0-ANT11-849.01-25.43--38.43-PASS

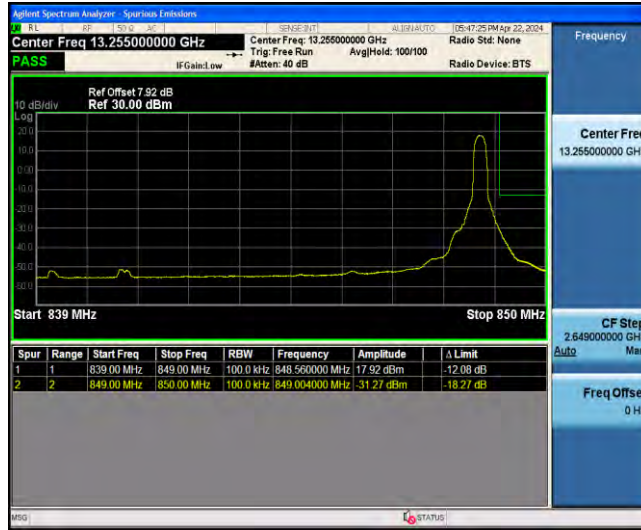


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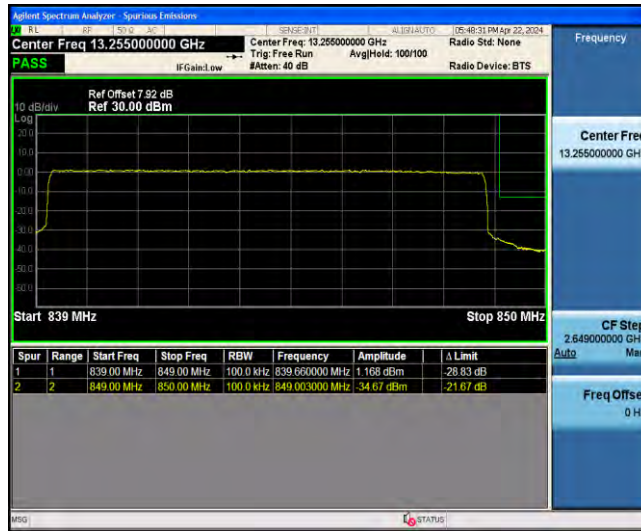
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1-N5-PC3-15-10-H-5-CP-QPSK-Edge_1RB_Right-1@51-ANT11-849.00-18.27--31.27-PASS



1-N5-PC3-15-10-H-6-CP-QPSK-Outer_Full-52@0-ANT11-849.00-21.67--34.67-PASS



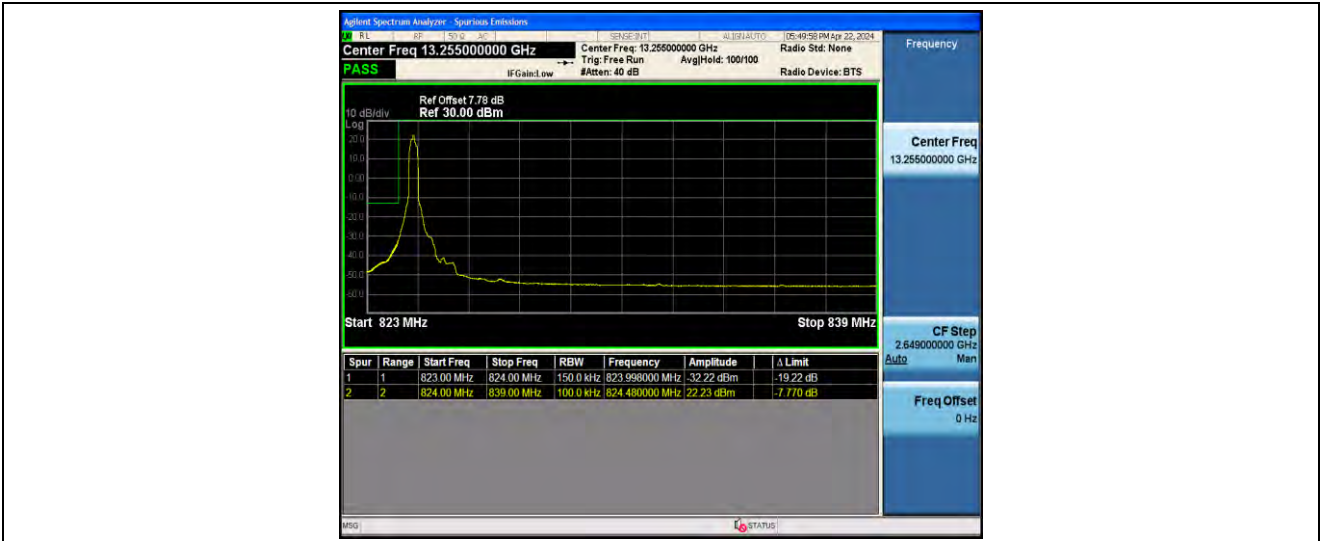
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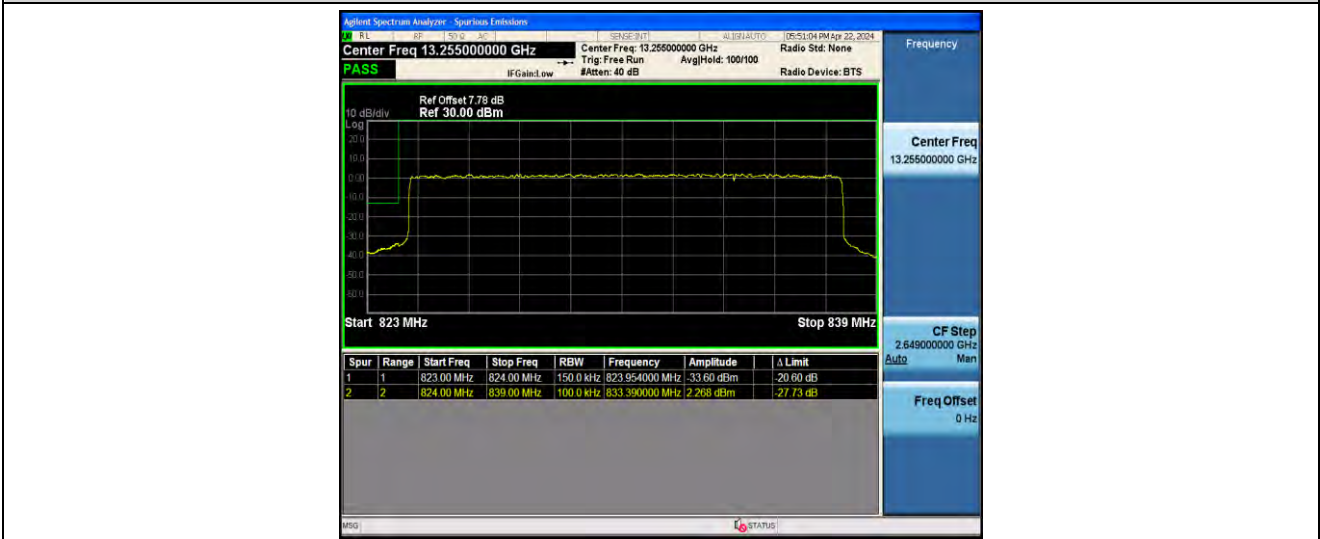


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1-N5-PC3-15-15-L-1-DFT-PI2BPSK-Edge_1RB_Left-1@0-ANT11-824.00-19.22--32.22-PASS



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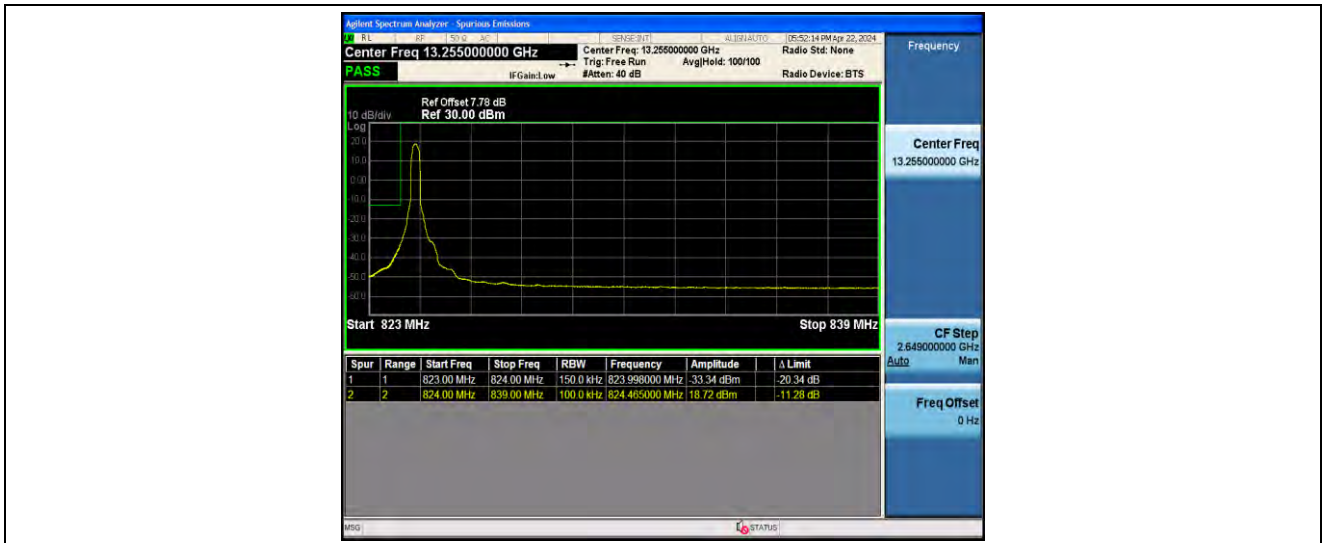
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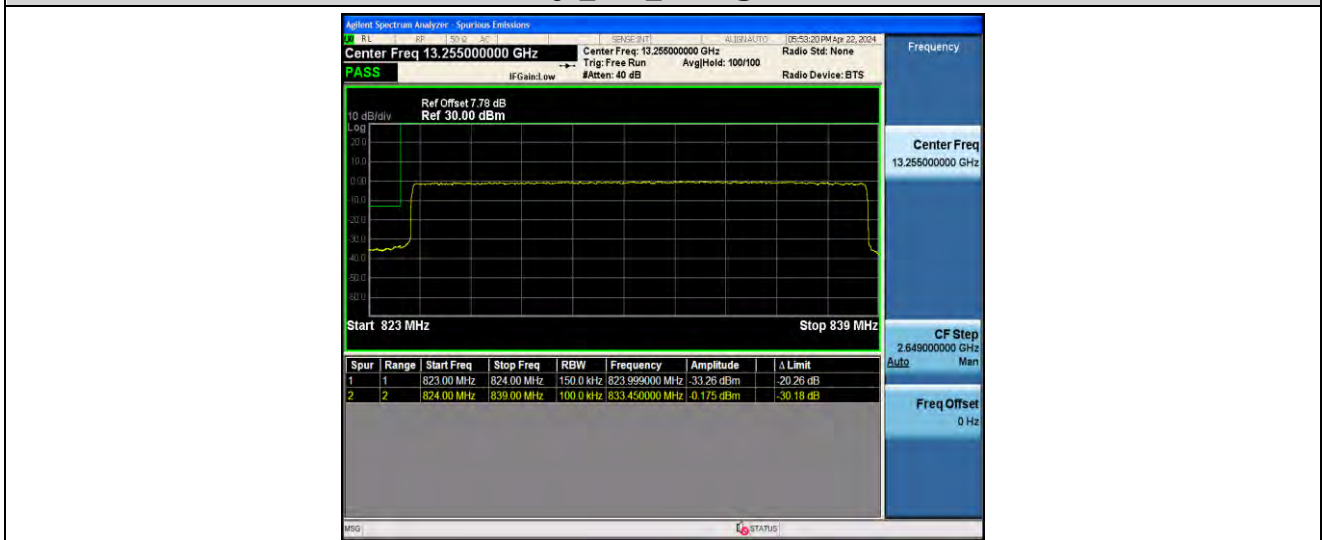


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1-N5-PC3-15-15-L-4-CP-QPSK-Edge_1RB_Left-1@0-ANT11-824.00-20.34--33.34-PASS



1-N5-PC3-15-15-L-6-CP-QPSK-Outer_Full-79@0-ANT11-824.00-20.26--33.26-PASS



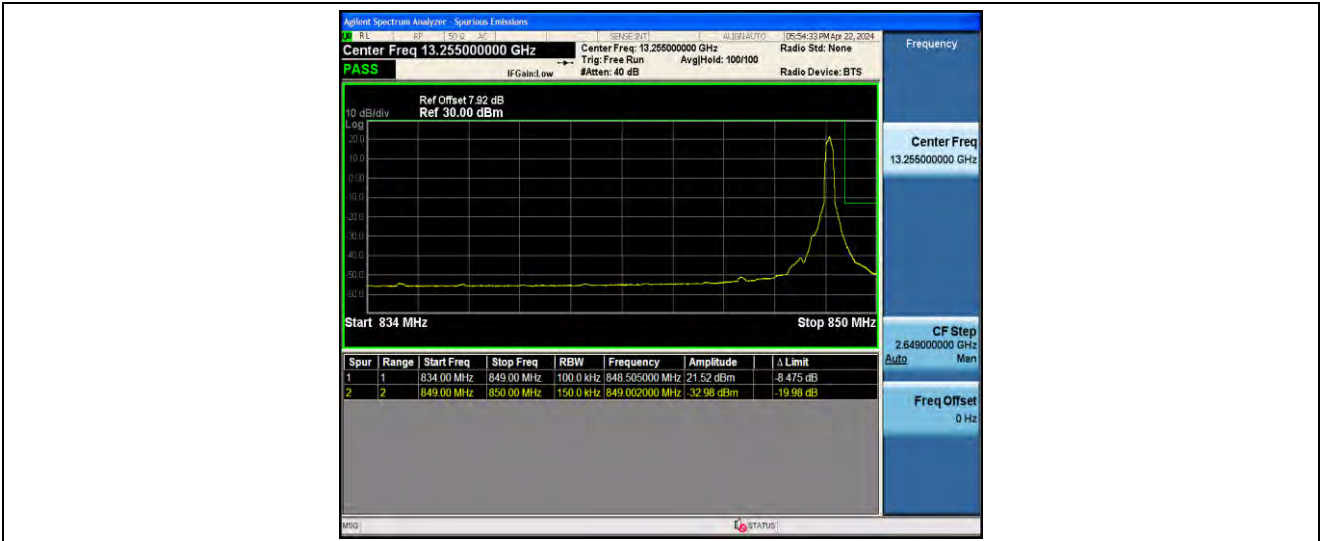
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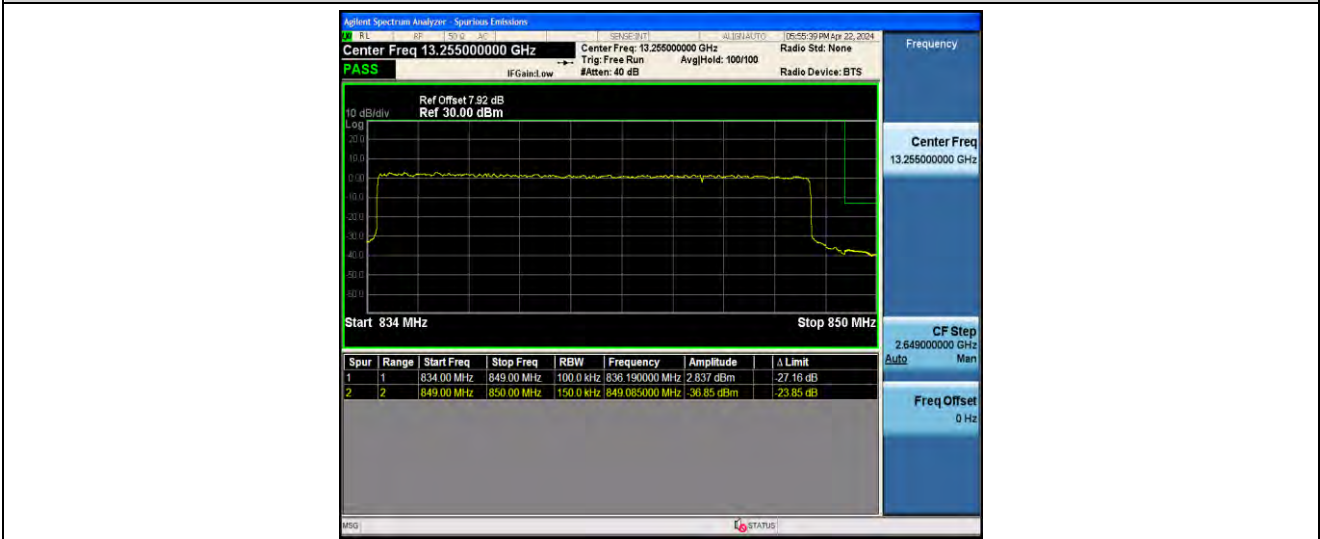


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1-N5-PC3-15-15-H-3-DFT-PI2BPSK-Outer_Full-75@0-ANT11-849.09-23.85--36.85-PASS



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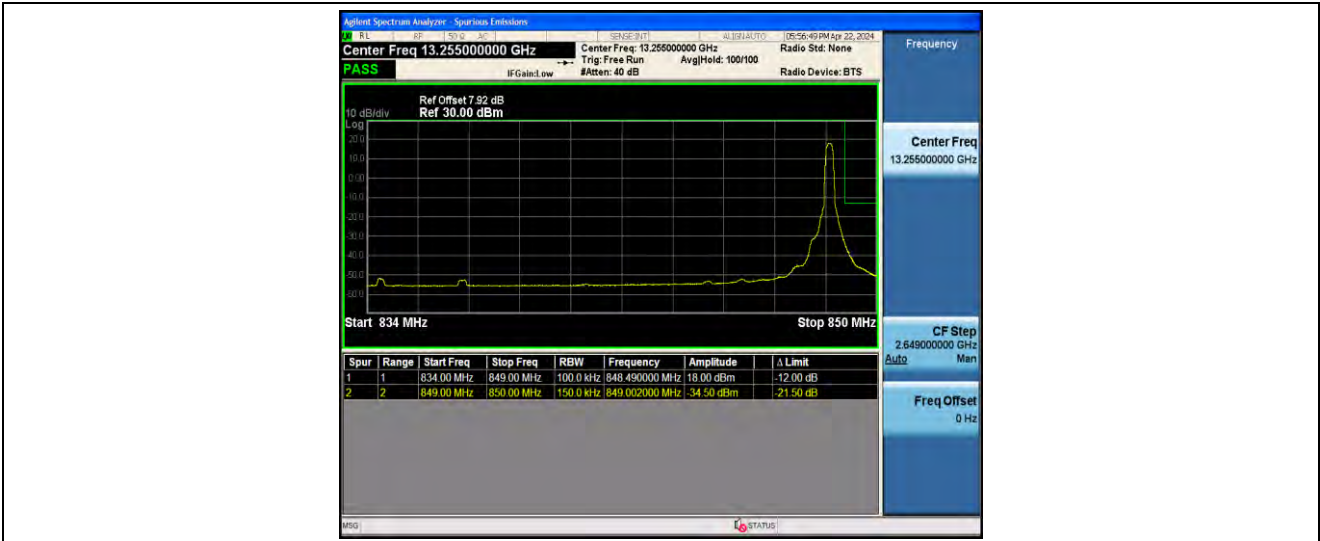
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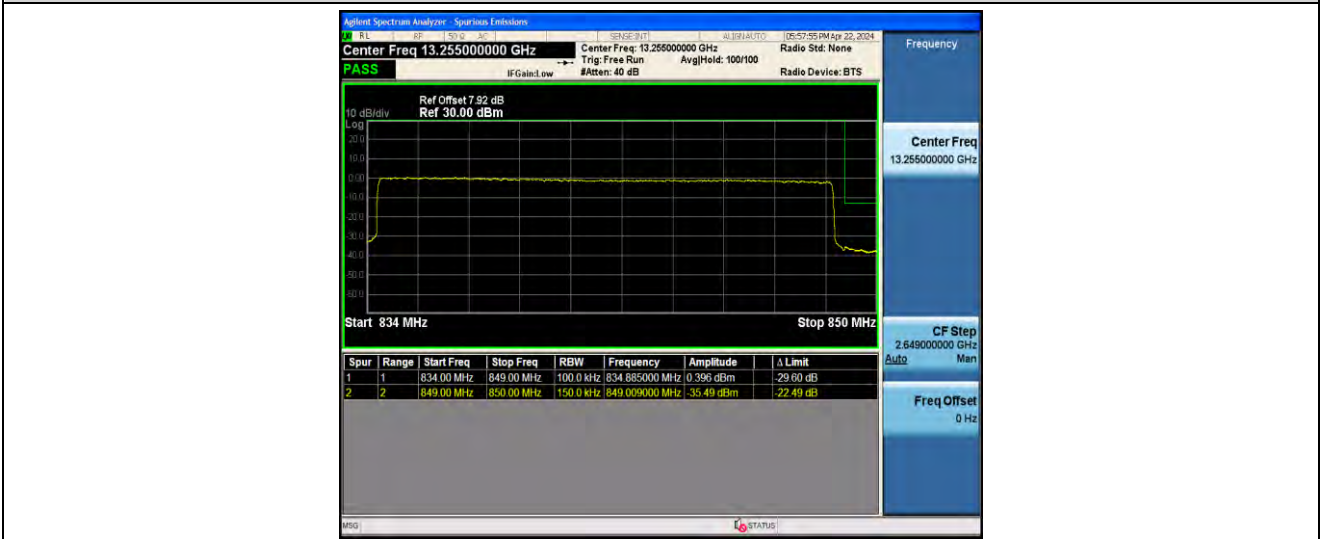


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1-N5-PC3-15-15-H-5-CP-QPSK-Edge_1RB_Right-1@78-ANT11-849.00-21.50--34.50-PASS



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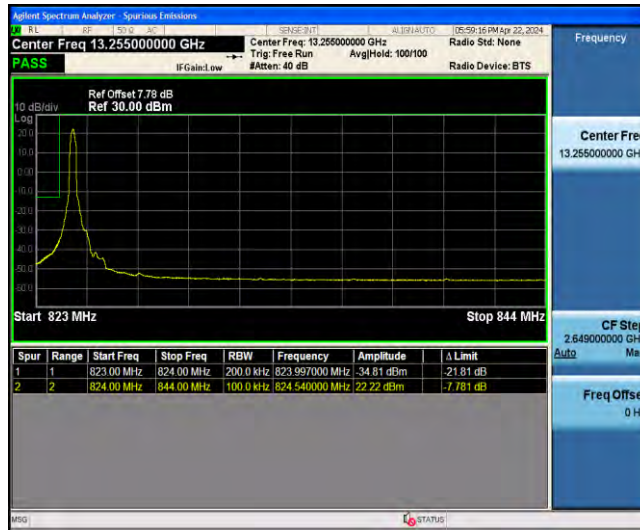
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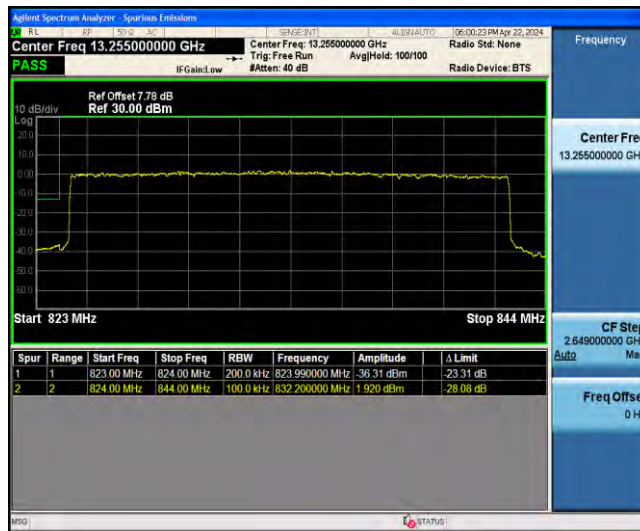


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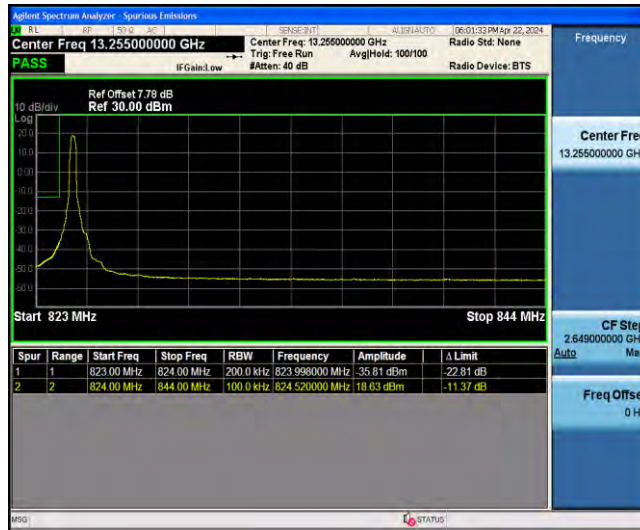
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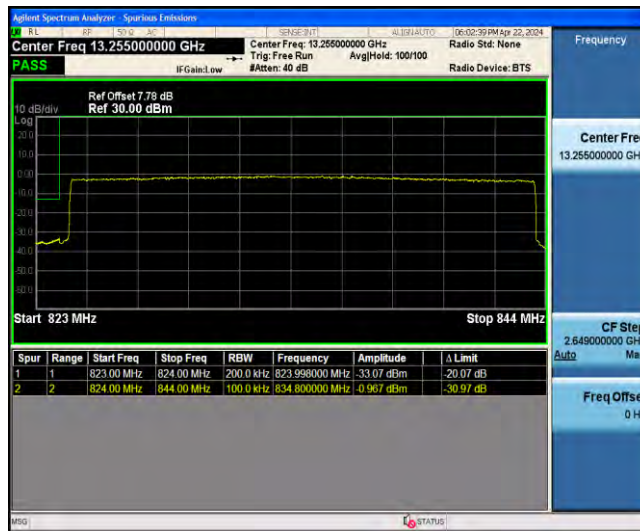


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1-N5-PC3-15-20-L-4-CP-QPSK-Edge_1RB_Left-1@0-ANT11-824.00-22.81--35.81-PASS



1-N5-PC3-15-20-L-6-CP-QPSK-Outer_Full-106@0-ANT11-824.00-20.07--33.07-PASS



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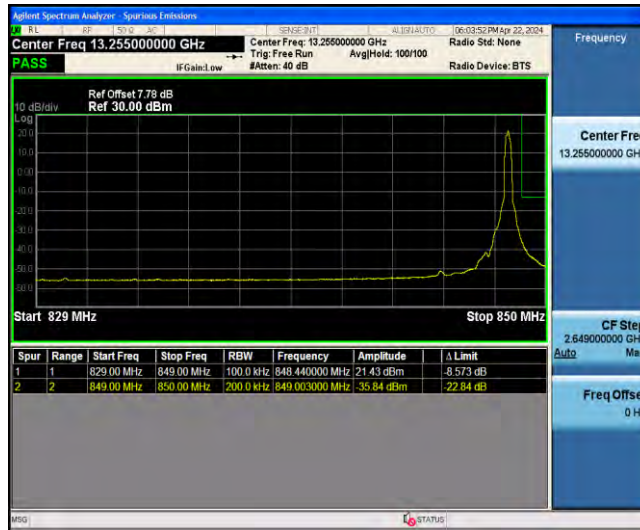
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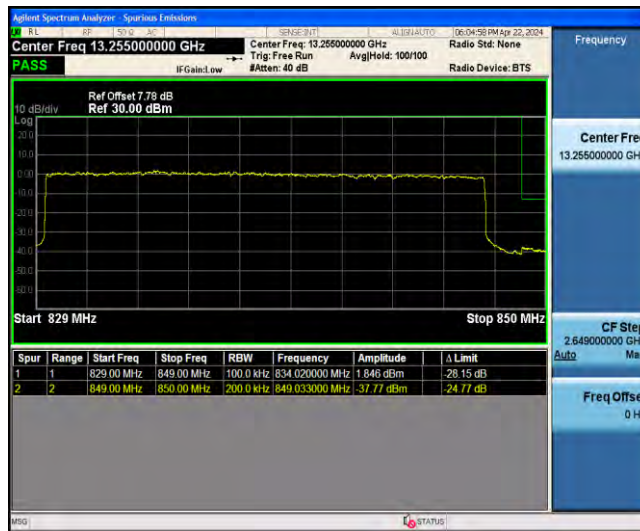


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1-N5-PC3-15-20-H-2-DFT-PI2BPSK-Edge_1RB_Right-1@105-ANT11-849.00-22.84--35.84-PASS



1-N5-PC3-15-20-H-3-DFT-PI2BPSK-Outer_Full-100@0-ANT11-849.03-24.77--37.77-PASS



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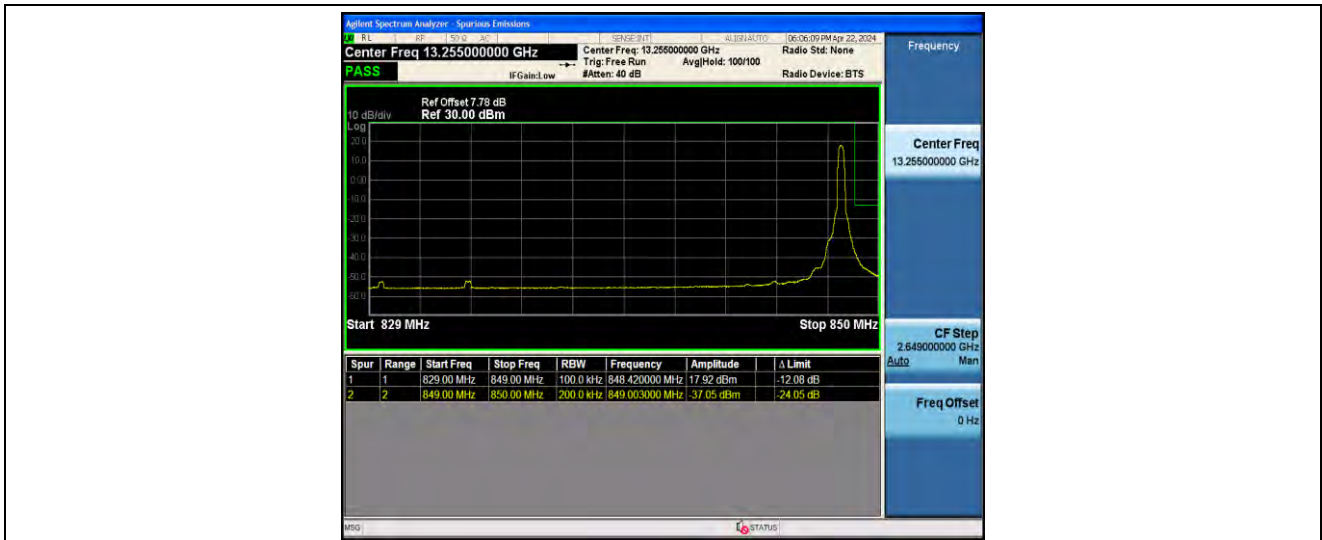
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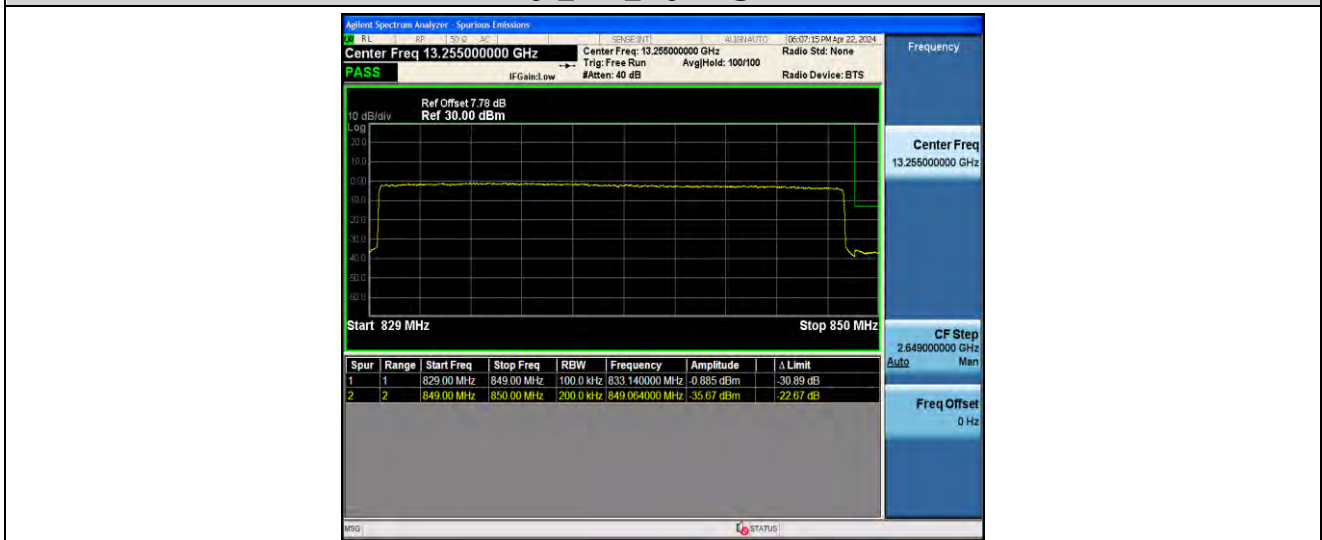


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1-N5-PC3-15-20-H-5-CP-QPSK-Edge_1RB_Right-1@105-ANT11-849.00-24.05--37.05-PASS



1-N5-PC3-15-20-H-6-CP-QPSK-Outer_Full-106@0-ANT11-849.06-22.67--35.67-PASS



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Conducted Spurious Emission for SA

Test Result

Band	SCS	Bandwidth	Modulation	Channel	StartFreq	StopFreq	RB Config	Result	Limit	Verdict
N5	15	20	DFT-PI2BPSK	L	0.009	0.15	1@1	-64.61	-33	PASS
N5	15	20	DFT-PI2BPSK	L	0.15	30	1@1	-51.11	-23	PASS
N5	15	20	DFT-PI2BPSK	L	30	1000	1@1	-47.86	-13	PASS
N5	15	20	DFT-PI2BPSK	L	1000	3000	1@1	-38.42	-13	PASS
N5	15	20	DFT-PI2BPSK	L	3000	12000	1@1	-45.19	-13	PASS
N5	15	20	DFT-PI2BPSK	L	12000	20000	1@1	-41.96	-13	PASS
N5	15	20	DFT-PI2BPSK	M	0.009	0.15	1@1	-63.78	-33	PASS
N5	15	20	DFT-PI2BPSK	M	0.15	30	1@1	-63.22	-23	PASS
N5	15	20	DFT-PI2BPSK	M	30	1000	1@1	-52.49	-13	PASS
N5	15	20	DFT-PI2BPSK	M	1000	3000	1@1	-38.48	-13	PASS
N5	15	20	DFT-PI2BPSK	M	3000	12000	1@1	-45.01	-13	PASS
N5	15	20	DFT-PI2BPSK	M	12000	20000	1@1	-42.33	-13	PASS
N5	15	20	DFT-PI2BPSK	H	0.009	0.15	1@1	-63.66	-33	PASS
N5	15	20	DFT-PI2BPSK	H	0.15	30	1@1	-60.71	-23	PASS
N5	15	20	DFT-PI2BPSK	H	30	1000	1@1	-53.23	-13	PASS
N5	15	20	DFT-PI2BPSK	H	1000	3000	1@1	-38.44	-13	PASS
N5	15	20	DFT-PI2BPSK	H	3000	12000	1@1	-45.20	-13	PASS
N5	15	20	DFT-PI2BPSK	H	12000	20000	1@1	-42.44	-13	PASS



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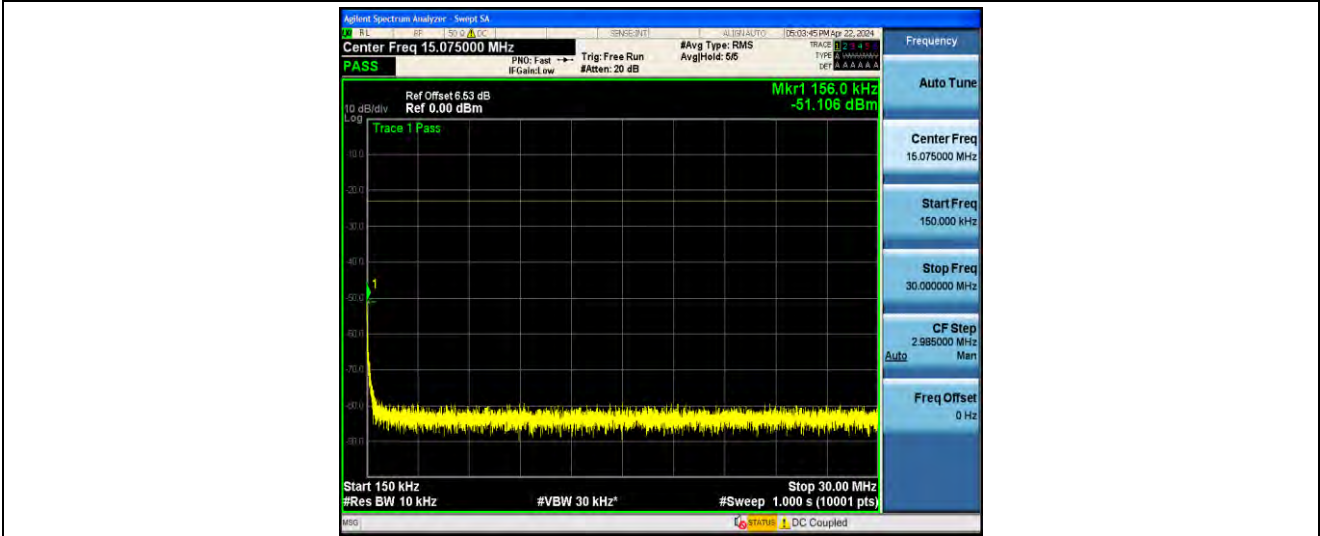
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Test Graphs



1-N5-PC3-15-20-L-1-NS_01-DFT-PI2BPSK-Inner_1RB_Left-1@1-0.009-0.15-ANT11-0.01--64.61--33-PASS



1-N5-PC3-15-20-L-1-NS_01-DFT-PI2BPSK-Inner_1RB_Left-1@1-0.15-30-ANT11-0.16--51.11--23-PASS



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1-N5-PC3-15-20-L-1-NS_01-DFT-PI2BPSK-Inner_1RB_Left-1@1-30-1000-ANT11-822.88--47.86--13-PASS



1-N5-PC3-15-20-L-1-NS_01-DFT-PI2BPSK-Inner_1RB_Left-1@1-1000-3000-ANT11-2677.00--38.42--13-PA

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1-N5-PC3-15-20-L-1-NS_01-DFT-PI2BPSK-Inner_1RB_Left-1@1-3000-12000-ANT11-5916.90--45.19--13-P
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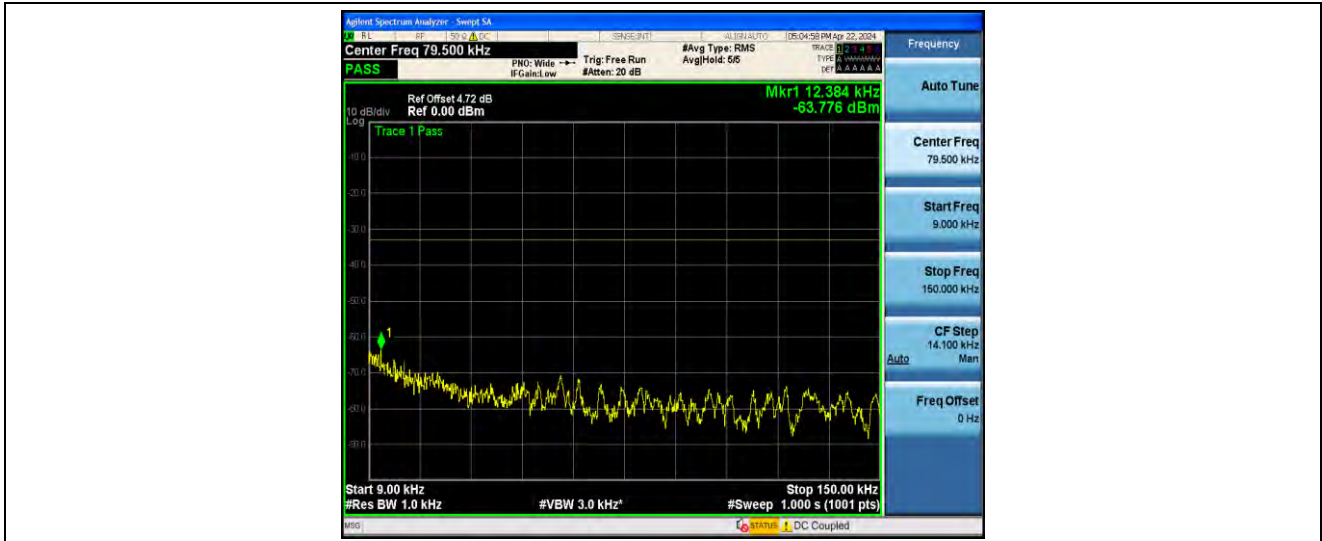
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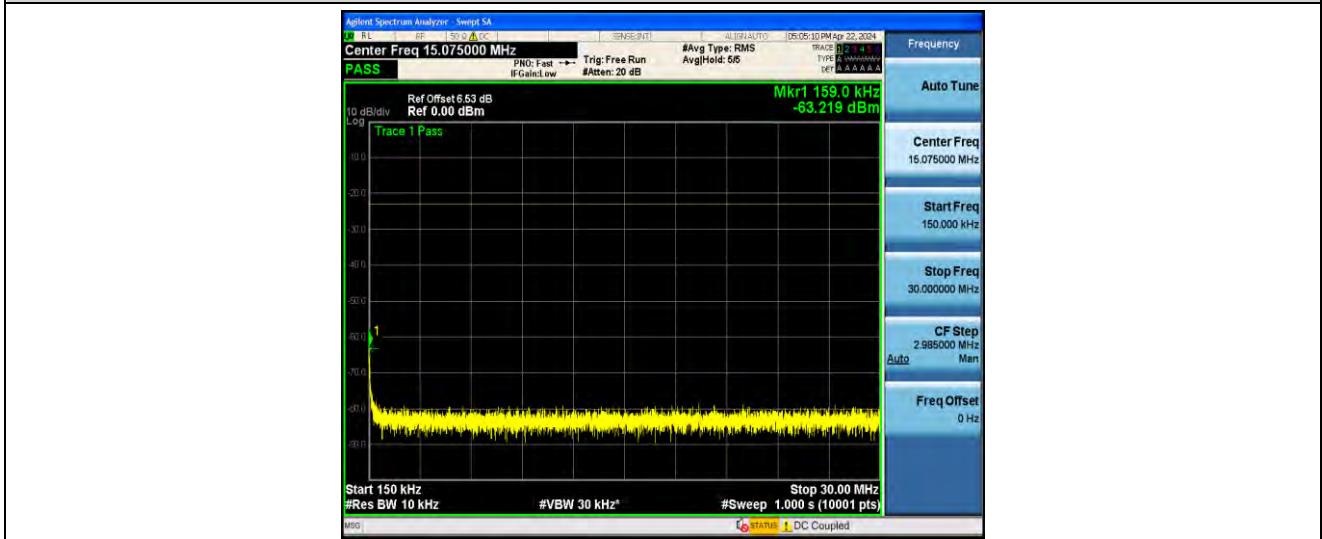


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1-N5-PC3-15-20-M-1-NS_01-DFT-PI2BPSK-Inner_1RB_Left-1@1-0.009-0.15-ANT11-0.01--63.78--33-PASS



1-N5-PC3-15-20-M-1-NS_01-DFT-PI2BPSK-Inner_1RB_Left-1@1-0.15-30-ANT11-0.16--63.22--23-PASS



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1-N5-PC3-15-20-M-1-NS_01-DFT-PI2BPSK-Inner_1RB_Left-1@1-30-1000-ANT11-822.59--52.49--13-PASS



1-N5-PC3-15-20-M-1-NS_01-DFT-PI2BPSK-Inner_1RB_Left-1@1-1000-3000-ANT11-2671.40--38.48--13-P
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1-N5-PC3-15-20-M-1-NS_01-DFT-PI2BPSK-Inner_1RB_Left-1@1-3000-12000-ANT11-5781.90--45.01--13-P
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3-PASS



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1-N5-PC3-15-20-H-1-NS_01-DFT-PI2BPSK-Inner_1RB_Left-1@1-0.009-0.15-ANT11-0.01--63.66--33-PASS



1-N5-PC3-15-20-H-1-NS_01-DFT-PI2BPSK-Inner_1RB_Left-1@1-0.15-30-ANT11-0.15--60.71--23-PASS



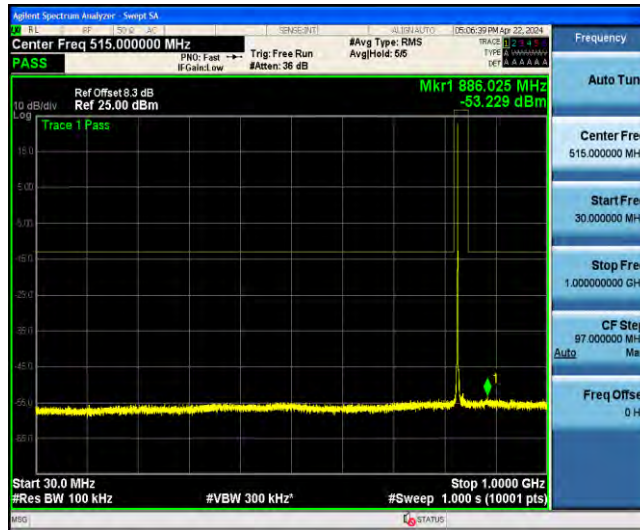
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1-N5-PC3-15-20-H-1-NS_01-DFT-PI2BPSK-Inner_1RB_Left-1@1-1000-3000-ANT11-2672.60--38.44--13-PA

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Shenzhen Branch**

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1-N5-PC3-15-20-H-1-NS_01-DFT-PI2BPSK-Inner_1RB_Left-1@1-3000-12000-ANT11-5783.25--45.20--13-P
ASS



1-N5-PC3-15-20-H-1-NS_01-DFT-PI2BPSK-Inner_1RB_Left-1@1-12000-20000-ANT11-18743.20--42.44--1
3-PASS



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Field Strength of Spurious Radiation

Test Band = n5 ANT11_ TM1

Test Channel = low

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1649.1875	49.05	24.90	-48.85	-70.16	-13.00	57.16	Horizontal
2	2475.0000	44.88	27.34	-47.88	-70.92	-13.00	57.92	Horizontal
3	3300.0000	45.10	28.66	-47.15	-68.65	-13.00	55.65	Horizontal
4	4125.0000	45.36	29.68	-47.49	-67.71	-13.00	54.71	Horizontal
5	4950.0000	45.25	31.28	-46.98	-65.71	-13.00	52.71	Horizontal
6	5775.0000	45.17	32.49	-46.97	-64.57	-13.00	51.57	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1649.1875	48.91	24.90	-48.85	-70.30	-13.00	57.30	Vertical
2	2475.0000	44.88	27.34	-47.88	-70.92	-13.00	57.92	Vertical
3	3300.0000	45.06	28.66	-47.15	-68.69	-13.00	55.69	Vertical
4	4125.0000	45.04	29.68	-47.49	-68.03	-13.00	55.03	Vertical
5	4950.0000	45.27	31.28	-46.98	-65.69	-13.00	52.69	Vertical
6	5775.0000	45.16	32.49	-46.97	-64.58	-13.00	51.58	Vertical



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Test Band = n5 ANT11_ TM1
Test Channel = mid

Final Data List								
NO.	Frequency [MHz]	Reading [dB μ V]	AF [dB/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1655.0000	45.85	24.91	-48.84	-73.34	-13.00	60.34	Horizontal
2	2482.5000	45.14	27.36	-47.84	-70.60	-13.00	57.60	Horizontal
3	3310.0000	44.80	28.66	-47.17	-68.97	-13.00	55.97	Horizontal
4	4137.5000	45.49	29.69	-47.42	-67.50	-13.00	54.50	Horizontal
5	4965.0000	45.25	31.32	-46.97	-65.66	-13.00	52.66	Horizontal
6	5792.5000	44.73	32.48	-46.99	-65.04	-13.00	52.04	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dB μ V]	AF [dB/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1655.0000	45.67	24.91	-48.84	-73.52	-13.00	60.52	Vertical
2	2482.5000	45.00	27.36	-47.84	-70.74	-13.00	57.74	Vertical
3	3310.0000	45.14	28.66	-47.17	-68.63	-13.00	55.63	Vertical
4	4137.5000	45.23	29.69	-47.42	-67.76	-13.00	54.76	Vertical
5	4965.0000	45.10	31.32	-46.97	-65.81	-13.00	52.81	Vertical
6	5792.5000	45.32	32.48	-46.99	-64.45	-13.00	51.45	Vertical



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Test Band = n5 ANT11_ TM1
Test Channel = high

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1660.0000	45.83	24.92	-48.83	-73.34	-13.00	60.34	Horizontal
2	2490.0000	45.37	27.38	-47.80	-70.31	-13.00	57.31	Horizontal
3	3320.0000	44.87	28.66	-47.19	-68.92	-13.00	55.92	Horizontal
4	4150.0000	45.16	29.71	-47.36	-67.75	-13.00	54.75	Horizontal
5	4980.0000	45.25	31.35	-46.96	-65.62	-13.00	52.62	Horizontal
6	5810.0000	45.74	32.48	-46.91	-63.95	-13.00	50.95	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1660.0000	46.36	24.92	-48.83	-72.81	-13.00	59.81	Vertical
2	2490.0000	45.31	27.38	-47.80	-70.37	-13.00	57.37	Vertical
3	3320.0000	44.80	28.66	-47.19	-68.99	-13.00	55.99	Vertical
4	4150.0000	45.04	29.71	-47.36	-67.87	-13.00	54.87	Vertical
5	4980.0000	45.12	31.35	-46.96	-65.75	-13.00	52.75	Vertical
6	5810.0000	45.20	32.48	-46.91	-64.49	-13.00	51.49	Vertical



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Test Band = DC_7A_n5A_TM1
Test Channel = low

Final Data List								
NO.	Frequency [MHz]	Reading [dB μ V]	AF [dB/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1650.0000	47.95	24.90	-48.84	-71.25	-13.00	58.25	Horizontal
2	2475.0000	47.39	27.34	-47.88	-68.41	-13.00	55.41	Horizontal
3	3300.0000	44.78	28.66	-46.97	-68.79	-13.00	55.79	Horizontal
4	4125.0000	44.11	29.68	-47.17	-68.64	-13.00	55.64	Horizontal
5	4950.0000	44.56	31.28	-47.09	-66.51	-13.00	53.51	Horizontal
6	5775.0000	44.19	32.49	-46.90	-65.48	-13.00	52.48	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dB μ V]	AF [dB/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1650.0000	47.95	24.90	-48.84	-71.25	-13.00	58.25	Vertical
2	2475.0000	47.54	27.34	-47.88	-68.26	-13.00	55.26	Vertical
3	3300.0000	44.32	28.66	-46.97	-69.25	-13.00	56.25	Vertical
4	4125.0000	44.04	29.68	-47.17	-68.71	-13.00	55.71	Vertical
5	4950.0000	44.54	31.28	-47.09	-66.53	-13.00	53.53	Vertical
6	5775.0000	44.24	32.49	-46.90	-65.43	-13.00	52.43	Vertical



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Test Band = DC_7A_n5A_TM1
Test Channel = mid

Final Data List								
NO.	Frequency [MHz]	Reading [dB μ V]	AF [dB/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1655.0000	48.16	24.91	-48.84	-71.03	-13.00	58.03	Horizontal
2	2482.5000	47.55	27.36	-47.84	-68.19	-13.00	55.19	Horizontal
3	3310.0000	44.27	28.66	-46.98	-69.31	-13.00	56.31	Horizontal
4	4137.5000	44.21	29.69	-47.13	-68.49	-13.00	55.49	Horizontal
5	4965.0000	44.15	31.32	-47.12	-66.91	-13.00	53.91	Horizontal
6	5792.5000	43.88	32.48	-46.93	-65.83	-13.00	52.83	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dB μ V]	AF [dB/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1655.0000	47.59	24.91	-48.84	-71.60	-13.00	58.60	Vertical
2	2482.5000	47.45	27.36	-47.84	-68.29	-13.00	55.29	Vertical
3	3310.0000	44.32	28.66	-46.98	-69.26	-13.00	56.26	Vertical
4	4137.5000	44.20	29.69	-47.13	-68.50	-13.00	55.50	Vertical
5	4965.0000	44.09	31.32	-47.12	-66.97	-13.00	53.97	Vertical
6	5792.5000	43.74	32.48	-46.93	-65.97	-13.00	52.97	Vertical



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Test Band = DC_7A_n5A_TM1
Test Channel = high

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1660.0000	47.79	24.92	-48.83	-71.38	-13.00	58.38	Horizontal
2	2490.0000	47.44	27.38	-47.81	-68.25	-13.00	55.25	Horizontal
3	3320.0000	44.22	28.66	-46.98	-69.36	-13.00	56.36	Horizontal
4	4150.0000	44.05	29.71	-47.08	-68.58	-13.00	55.58	Horizontal
5	4980.0000	44.25	31.35	-47.15	-66.81	-13.00	53.81	Horizontal
6	5810.0000	43.85	32.48	-46.95	-65.88	-13.00	52.88	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1660.0000	47.48	24.92	-48.83	-71.69	-13.00	58.69	Vertical
2	2490.0000	47.41	27.38	-47.81	-68.28	-13.00	55.28	Vertical
3	3320.0000	44.54	28.66	-46.98	-69.04	-13.00	56.04	Vertical
4	4150.0000	44.31	29.71	-47.08	-68.32	-13.00	55.32	Vertical
5	4980.0000	43.70	31.35	-47.15	-67.36	-13.00	54.36	Vertical
6	5810.0000	44.12	32.48	-46.95	-65.61	-13.00	52.61	Vertical

Remark:

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

AF = Antenna Factor(dB/m)

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

Level = Reading Level + AF + Factor -95.26

Margin = Limit – Level

2) All antennas of RSE are tested, and only the worst data is presented.



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Frequency Stability for SA

Test Result

Frequency Error VS. Voltage

Voltage											
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage (Vdc)	Temperature(°C)	Deviation (Hz)	Deviation (ppm)	Limit	Verdict
N5	15	20	DFT-PI2BPSK	M	100@0	VH	NT	-14.60	-0.02	±2.5	PASS
N5	15	20	DFT-PI2BPSK	M	100@0	VN	NT	-12.40	-0.01	±2.5	PASS
N5	15	20	DFT-PI2BPSK	M	100@0	VL	NT	-7.20	-0.01	±2.5	PASS
N5	15	20	CP-QPSK	M	106@0	VH	NT	-5.20	-0.01	±2.5	PASS
N5	15	20	CP-QPSK	M	106@0	VN	NT	-6.40	-0.01	±2.5	PASS
N5	15	20	CP-QPSK	M	106@0	VL	NT	-6.50	-0.01	±2.5	PASS



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Frequency Error VS. Temperature

Temperature											
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage (Vdc)	Temperature(°C)	Deviation (Hz)	Deviation (ppm)	Limit	Verdict
N5	15	20	DFT-PI2BPSK	M	100@0	NV	50	-11.100000	-0.013270	±2.5	PASS
N5	15	20	DFT-PI2BPSK	M	100@0	NV	-20	-11.000000	-0.013150	±2.5	PASS
N5	15	20	DFT-PI2BPSK	M	100@0	NV	-10	-7.800000	-0.009325	±2.5	PASS
N5	15	20	DFT-PI2BPSK	M	100@0	NV	0	-11.700000	-0.013987	±2.5	PASS
N5	15	20	DFT-PI2BPSK	M	100@0	NV	10	-11.100000	-0.013270	±2.5	PASS
N5	15	20	DFT-PI2BPSK	M	100@0	NV	20	-9.300000	-0.011118	±2.5	PASS
N5	15	20	DFT-PI2BPSK	M	100@0	NV	30	-12.500000	-0.014943	±2.5	PASS
N5	15	20	DFT-PI2BPSK	M	100@0	NV	-30	-10.200000	-0.012194	±2.5	PASS
N5	15	20	DFT-PI2BPSK	M	100@0	NV	40	-6.700000	-0.008010	±2.5	PASS
N5	15	20	CP-QPSK	M	106@0	NV	50	-6.200000	-0.007412	±2.5	PASS
N5	15	20	CP-QPSK	M	106@0	NV	-20	-5.500000	-0.006575	±2.5	PASS
N5	15	20	CP-QPSK	M	106@0	NV	-10	-5.400000	-0.006455	±2.5	PASS
N5	15	20	CP-QPSK	M	106@0	NV	0	-3.800000	-0.004543	±2.5	PASS
N5	15	20	CP-QPSK	M	106@0	NV	10	-7.100000	-0.008488	±2.5	PASS
N5	15	20	CP-QPSK	M	106@0	NV	20	-3.700000	-0.004423	±2.5	PASS
N5	15	20	CP-QPSK	M	106@0	NV	30	-3.800000	-0.004543	±2.5	PASS
N5	15	20	CP-QPSK	M	106@0	NV	40	-3.900000	-0.004662	±2.5	PASS
N5	15	20	CP-QPSK	M	106@0	NV	-30	-7.600000	-0.009085	±2.5	PASS

---End of Attachment---



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