



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

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Appendix B.22

NR Band n5



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Effective (Isotropic) Radiated Power Output Data for SA

Test Result

ANT1

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Power (dBm)	ERP (dBm)	Limit	Verdict
N5	15	5	DFT-QPSK	L	1@1	24.56	18.21	38.45	PASS
N5	15	5	DFT-QPSK	L	1@23	24.58	18.23	38.45	PASS
N5	15	5	DFT-QPSK	L	25@0	24.03	17.68	38.45	PASS
N5	15	5	DFT-16QAM	L	1@1	24.10	17.75	38.45	PASS
N5	15	5	DFT-16QAM	L	1@23	24.14	17.79	38.45	PASS
N5	15	5	DFT-16QAM	L	25@0	23.51	17.16	38.45	PASS
N5	15	5	DFT-64QAM	L	1@1	22.73	16.38	38.45	PASS
N5	15	5	DFT-64QAM	L	1@23	22.76	16.41	38.45	PASS
N5	15	5	DFT-64QAM	L	25@0	23.08	16.73	38.45	PASS
N5	15	5	DFT-256QAM	L	1@1	21.43	15.08	38.45	PASS
N5	15	5	DFT-256QAM	L	1@23	21.45	15.1	38.45	PASS
N5	15	5	DFT-256QAM	L	25@0	21.49	15.14	38.45	PASS
N5	15	5	DFT-QPSK	M	1@1	24.57	18.22	38.45	PASS
N5	15	5	DFT-QPSK	M	1@23	24.70	18.35	38.45	PASS
N5	15	5	DFT-QPSK	M	25@0	24.09	17.74	38.45	PASS
N5	15	5	DFT-16QAM	M	1@1	24.08	17.73	38.45	PASS
N5	15	5	DFT-16QAM	M	1@23	24.18	17.83	38.45	PASS
N5	15	5	DFT-16QAM	M	25@0	23.54	17.19	38.45	PASS
N5	15	5	DFT-64QAM	M	1@1	22.76	16.41	38.45	PASS
N5	15	5	DFT-64QAM	M	1@23	22.80	16.45	38.45	PASS
N5	15	5	DFT-64QAM	M	25@0	23.09	16.74	38.45	PASS
N5	15	5	DFT-256QAM	M	1@1	21.42	15.07	38.45	PASS
N5	15	5	DFT-256QAM	M	1@23	21.57	15.22	38.45	PASS
N5	15	5	DFT-256QAM	M	25@0	21.52	15.17	38.45	PASS
N5	15	5	DFT-QPSK	H	1@1	24.78	18.43	38.45	PASS
N5	15	5	DFT-QPSK	H	1@23	24.83	18.48	38.45	PASS
N5	15	5	DFT-QPSK	H	25@0	24.18	17.83	38.45	PASS
N5	15	5	DFT-16QAM	H	1@1	24.29	17.94	38.45	PASS
N5	15	5	DFT-16QAM	H	1@23	24.15	17.8	38.45	PASS
N5	15	5	DFT-16QAM	H	25@0	23.70	17.35	38.45	PASS



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N5	15	5	DFT-64QAM	H	1@1	22.89	16.54	38.45	PASS
N5	15	5	DFT-64QAM	H	1@23	22.84	16.49	38.45	PASS
N5	15	5	DFT-64QAM	H	25@0	23.24	16.89	38.45	PASS
N5	15	5	DFT-256QAM	H	1@1	21.45	15.1	38.45	PASS
N5	15	5	DFT-256QAM	H	1@23	21.42	15.07	38.45	PASS
N5	15	5	DFT-256QAM	H	25@0	21.48	15.13	38.45	PASS
N5	15	10	DFT-QPSK	L	1@1	24.43	18.08	38.45	PASS
N5	15	10	DFT-QPSK	L	1@50	24.57	18.22	38.45	PASS
N5	15	10	DFT-QPSK	L	50@0	23.90	17.55	38.45	PASS
N5	15	10	DFT-16QAM	L	1@1	23.99	17.64	38.45	PASS
N5	15	10	DFT-16QAM	L	1@50	24.12	17.77	38.45	PASS
N5	15	10	DFT-16QAM	L	50@0	23.39	17.04	38.45	PASS
N5	15	10	DFT-64QAM	L	1@1	22.63	16.28	38.45	PASS
N5	15	10	DFT-64QAM	L	1@50	22.81	16.46	38.45	PASS
N5	15	10	DFT-64QAM	L	50@0	22.89	16.54	38.45	PASS
N5	15	10	DFT-256QAM	L	1@1	21.33	14.98	38.45	PASS
N5	15	10	DFT-256QAM	L	1@50	21.45	15.1	38.45	PASS
N5	15	10	DFT-256QAM	L	50@0	21.37	15.02	38.45	PASS
N5	15	10	DFT-QPSK	M	1@1	24.55	18.2	38.45	PASS
N5	15	10	DFT-QPSK	M	1@50	24.74	18.39	38.45	PASS
N5	15	10	DFT-QPSK	M	50@0	24.04	17.69	38.45	PASS
N5	15	10	DFT-16QAM	M	1@1	24.09	17.74	38.45	PASS
N5	15	10	DFT-16QAM	M	1@50	24.20	17.85	38.45	PASS
N5	15	10	DFT-16QAM	M	50@0	23.55	17.2	38.45	PASS
N5	15	10	DFT-64QAM	M	1@1	22.78	16.43	38.45	PASS
N5	15	10	DFT-64QAM	M	1@50	22.90	16.55	38.45	PASS
N5	15	10	DFT-64QAM	M	50@0	23.08	16.73	38.45	PASS
N5	15	10	DFT-256QAM	M	1@1	21.45	15.1	38.45	PASS
N5	15	10	DFT-256QAM	M	1@50	21.51	15.16	38.45	PASS
N5	15	10	DFT-256QAM	M	50@0	21.54	15.19	38.45	PASS
N5	15	10	DFT-QPSK	H	1@1	24.94	18.59	38.45	PASS
N5	15	10	DFT-QPSK	H	1@50	24.80	18.45	38.45	PASS
N5	15	10	DFT-QPSK	H	50@0	24.18	17.83	38.45	PASS
N5	15	10	DFT-16QAM	H	1@1	24.40	18.05	38.45	PASS
N5	15	10	DFT-16QAM	H	1@50	24.26	17.91	38.45	PASS
N5	15	10	DFT-16QAM	H	50@0	23.68	17.33	38.45	PASS



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N5	15	10	DFT-64QAM	H	1@1	23.00	16.65	38.45	PASS
N5	15	10	DFT-64QAM	H	1@50	22.85	16.5	38.45	PASS
N5	15	10	DFT-64QAM	H	50@0	23.19	16.84	38.45	PASS
N5	15	10	DFT-256QAM	H	1@1	21.58	15.23	38.45	PASS
N5	15	10	DFT-256QAM	H	1@50	21.40	15.05	38.45	PASS
N5	15	10	DFT-256QAM	H	50@0	21.50	15.15	38.45	PASS
N5	15	15	DFT-QPSK	L	1@1	24.42	18.07	38.45	PASS
N5	15	15	DFT-QPSK	L	1@77	24.72	18.37	38.45	PASS
N5	15	15	DFT-QPSK	L	75@0	23.99	17.64	38.45	PASS
N5	15	15	DFT-16QAM	L	1@1	23.97	17.62	38.45	PASS
N5	15	15	DFT-16QAM	L	1@77	24.21	17.86	38.45	PASS
N5	15	15	DFT-16QAM	L	75@0	23.43	17.08	38.45	PASS
N5	15	15	DFT-64QAM	L	1@1	22.66	16.31	38.45	PASS
N5	15	15	DFT-64QAM	L	1@77	22.90	16.55	38.45	PASS
N5	15	15	DFT-64QAM	L	75@0	22.99	16.64	38.45	PASS
N5	15	15	DFT-256QAM	L	1@1	21.31	14.96	38.45	PASS
N5	15	15	DFT-256QAM	L	1@77	21.59	15.24	38.45	PASS
N5	15	15	DFT-256QAM	L	75@0	21.40	15.05	38.45	PASS
N5	15	15	DFT-QPSK	M	1@1	24.52	18.17	38.45	PASS
N5	15	15	DFT-QPSK	M	1@77	24.75	18.4	38.45	PASS
N5	15	15	DFT-QPSK	M	75@0	24.07	17.72	38.45	PASS
N5	15	15	DFT-16QAM	M	1@1	24.09	17.74	38.45	PASS
N5	15	15	DFT-16QAM	M	1@77	24.23	17.88	38.45	PASS
N5	15	15	DFT-16QAM	M	75@0	23.53	17.18	38.45	PASS
N5	15	15	DFT-64QAM	M	1@1	22.72	16.37	38.45	PASS
N5	15	15	DFT-64QAM	M	1@77	22.89	16.54	38.45	PASS
N5	15	15	DFT-64QAM	M	75@0	23.09	16.74	38.45	PASS
N5	15	15	DFT-256QAM	M	1@1	21.44	15.09	38.45	PASS
N5	15	15	DFT-256QAM	M	1@77	21.56	15.21	38.45	PASS
N5	15	15	DFT-256QAM	M	75@0	21.54	15.19	38.45	PASS
N5	15	15	DFT-QPSK	H	1@1	24.61	18.26	38.45	PASS
N5	15	15	DFT-QPSK	H	1@77	24.72	18.37	38.45	PASS
N5	15	15	DFT-QPSK	H	75@0	24.08	17.73	38.45	PASS
N5	15	15	DFT-16QAM	H	1@1	24.13	17.78	38.45	PASS
N5	15	15	DFT-16QAM	H	1@77	24.17	17.82	38.45	PASS
N5	15	15	DFT-16QAM	H	75@0	23.56	17.21	38.45	PASS



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N5	15	15	DFT-64QAM	H	1@1	22.83	16.48	38.45	PASS
N5	15	15	DFT-64QAM	H	1@77	22.75	16.4	38.45	PASS
N5	15	15	DFT-64QAM	H	75@0	23.08	16.73	38.45	PASS
N5	15	15	DFT-256QAM	H	1@1	21.47	15.12	38.45	PASS
N5	15	15	DFT-256QAM	H	1@77	21.27	14.92	38.45	PASS
N5	15	15	DFT-256QAM	H	75@0	21.55	15.2	38.45	PASS
N5	15	20	DFT-QPSK	L	1@1	24.55	18.2	38.45	PASS
N5	15	20	DFT-QPSK	L	1@104	24.80	18.45	38.45	PASS
N5	15	20	DFT-QPSK	L	100@0	24.16	17.81	38.45	PASS
N5	15	20	DFT-16QAM	L	1@1	24.12	17.77	38.45	PASS
N5	15	20	DFT-16QAM	L	1@104	24.34	17.99	38.45	PASS
N5	15	20	DFT-16QAM	L	100@0	23.63	17.28	38.45	PASS
N5	15	20	DFT-64QAM	L	1@1	22.83	16.48	38.45	PASS
N5	15	20	DFT-64QAM	L	1@104	23.09	16.74	38.45	PASS
N5	15	20	DFT-64QAM	L	100@0	23.15	16.8	38.45	PASS
N5	15	20	DFT-256QAM	L	1@1	21.44	15.09	38.45	PASS
N5	15	20	DFT-256QAM	L	1@104	21.73	15.38	38.45	PASS
N5	15	20	DFT-256QAM	L	100@0	21.65	15.3	38.45	PASS
N5	15	20	DFT-QPSK	M	1@1	24.62	18.27	38.45	PASS
N5	15	20	DFT-QPSK	M	1@104	24.86	18.51	38.45	PASS
N5	15	20	DFT-QPSK	M	100@0	24.21	17.86	38.45	PASS
N5	15	20	DFT-16QAM	M	1@1	24.15	17.8	38.45	PASS
N5	15	20	DFT-16QAM	M	1@104	24.45	18.1	38.45	PASS
N5	15	20	DFT-16QAM	M	100@0	23.70	17.35	38.45	PASS
N5	15	20	DFT-64QAM	M	1@1	22.83	16.48	38.45	PASS
N5	15	20	DFT-64QAM	M	1@104	22.99	16.64	38.45	PASS
N5	15	20	DFT-64QAM	M	100@0	23.22	16.87	38.45	PASS
N5	15	20	DFT-256QAM	M	1@1	21.43	15.08	38.45	PASS
N5	15	20	DFT-256QAM	M	1@104	21.67	15.32	38.45	PASS
N5	15	20	DFT-256QAM	M	100@0	21.69	15.34	38.45	PASS
N5	15	20	DFT-QPSK	H	1@1	24.75	18.4	38.45	PASS
N5	15	20	DFT-QPSK	H	1@104	24.88	18.53	38.45	PASS
N5	15	20	DFT-QPSK	H	100@0	24.21	17.86	38.45	PASS
N5	15	20	DFT-16QAM	H	1@1	24.31	17.96	38.45	PASS
N5	15	20	DFT-16QAM	H	1@104	24.23	17.88	38.45	PASS
N5	15	20	DFT-16QAM	H	100@0	23.70	17.35	38.45	PASS



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N5	15	20	DFT-64QAM	H	1@104	22.94	16.59	38.45	PASS
N5	15	20	DFT-64QAM	H	100@0	23.19	16.84	38.45	PASS
N5	15	20	DFT-256QAM	H	1@1	21.53	15.18	38.45	PASS
N5	15	20	DFT-256QAM	H	1@104	21.62	15.27	38.45	PASS
N5	15	20	DFT-256QAM	H	100@0	21.70	15.35	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@0-7.34-PASS



1-N5-PC3-15-20-L-2-NS_01-CP-256QAM-Outer_Full-106@0-9.16-PASS



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1-N5-PC3-15-20-M-1-NS_01-DFT-256QAM-Outer_Full-100@0-7.36-PASS



1-N5-PC3-15-20-M-2-NS_01-CP-256QAM-Outer_Full-106@0-9.23-PASS



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1-N5-PC3-15-20-H-1-NS_01-DFT-256QAM-Outer_Full-100@0-7.38-PASS



1-N5-PC3-15-20-H-2-NS_01-CP-256QAM-Outer_Full-106@0-9.22-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	4.4855	4.773	PASS
N5	15	5	DFT-16QAM	L	25@0	4.4856	4.811	PASS
N5	15	5	DFT-64QAM	L	25@0	4.4928	4.853	PASS
N5	15	5	DFT-256QAM	L	25@0	4.4898	4.790	PASS
N5	15	5	CP-QPSK	L	25@0	4.4708	4.817	PASS
N5	15	5	CP-16QAM	L	25@0	4.4724	4.774	PASS
N5	15	5	CP-64QAM	L	25@0	4.4681	4.770	PASS
N5	15	5	CP-256QAM	L	25@0	4.4743	4.814	PASS
N5	15	5	DFT-QPSK	M	25@0	4.4734	4.786	PASS
N5	15	5	DFT-16QAM	M	25@0	4.4764	4.806	PASS
N5	15	5	DFT-64QAM	M	25@0	4.4912	4.795	PASS
N5	15	5	DFT-256QAM	M	25@0	4.4738	4.787	PASS
N5	15	5	CP-QPSK	M	25@0	4.4667	4.855	PASS
N5	15	5	CP-16QAM	M	25@0	4.4780	4.821	PASS
N5	15	5	CP-64QAM	M	25@0	4.4871	4.825	PASS
N5	15	5	CP-256QAM	M	25@0	4.4666	4.809	PASS
N5	15	5	DFT-QPSK	H	25@0	4.4771	4.830	PASS
N5	15	5	DFT-16QAM	H	25@0	4.4820	4.825	PASS
N5	15	5	DFT-64QAM	H	25@0	4.4860	4.823	PASS
N5	15	5	DFT-256QAM	H	25@0	4.4854	4.773	PASS
N5	15	5	CP-QPSK	H	25@0	4.4684	4.829	PASS
N5	15	5	CP-16QAM	H	25@0	4.4701	4.760	PASS
N5	15	5	CP-64QAM	H	25@0	4.4710	4.803	PASS
N5	15	5	CP-256QAM	H	25@0	4.4738	4.868	PASS
N5	15	10	DFT-QPSK	L	50@0	8.9243	9.388	PASS
N5	15	10	DFT-16QAM	L	50@0	8.9258	9.417	PASS
N5	15	10	DFT-64QAM	L	50@0	8.9265	9.398	PASS
N5	15	10	DFT-256QAM	L	50@0	8.8883	9.388	PASS
N5	15	10	CP-QPSK	L	52@0	9.2807	9.741	PASS
N5	15	10	CP-16QAM	L	52@0	9.2876	9.758	PASS



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N5	15	10	CP-64QAM	L	52@0	9.2962	9.724	PASS
N5	15	10	CP-256QAM	L	52@0	9.2814	9.780	PASS
N5	15	10	DFT-QPSK	M	50@0	8.8887	9.416	PASS
N5	15	10	DFT-16QAM	M	50@0	8.9067	9.405	PASS
N5	15	10	DFT-64QAM	M	50@0	8.9306	9.396	PASS
N5	15	10	DFT-256QAM	M	50@0	8.8847	9.302	PASS
N5	15	10	CP-QPSK	M	52@0	9.2728	9.710	PASS
N5	15	10	CP-16QAM	M	52@0	9.2640	9.756	PASS
N5	15	10	CP-64QAM	M	52@0	9.2870	9.709	PASS
N5	15	10	CP-256QAM	M	52@0	9.2684	9.743	PASS
N5	15	10	DFT-QPSK	H	50@0	8.9103	9.429	PASS
N5	15	10	DFT-16QAM	H	50@0	8.9308	9.416	PASS
N5	15	10	DFT-64QAM	H	50@0	8.9469	9.430	PASS
N5	15	10	DFT-256QAM	H	50@0	8.8922	9.332	PASS
N5	15	10	CP-QPSK	H	52@0	9.2847	9.719	PASS
N5	15	10	CP-16QAM	H	52@0	9.2697	9.749	PASS
N5	15	10	CP-64QAM	H	52@0	9.2948	9.767	PASS
N5	15	10	CP-256QAM	H	52@0	9.2710	9.724	PASS
N5	15	15	DFT-QPSK	L	75@0	13.421	13.97	PASS
N5	15	15	DFT-16QAM	L	75@0	13.418	14.01	PASS
N5	15	15	DFT-64QAM	L	75@0	13.412	14.08	PASS
N5	15	15	DFT-256QAM	L	75@0	13.406	14.00	PASS
N5	15	15	CP-QPSK	L	79@0	14.125	14.73	PASS
N5	15	15	CP-16QAM	L	79@0	14.135	14.77	PASS
N5	15	15	CP-64QAM	L	79@0	14.126	14.70	PASS
N5	15	15	CP-256QAM	L	79@0	14.149	14.76	PASS
N5	15	15	DFT-QPSK	M	75@0	13.397	13.96	PASS
N5	15	15	DFT-16QAM	M	75@0	13.388	14.01	PASS
N5	15	15	DFT-64QAM	M	75@0	13.400	13.95	PASS
N5	15	15	DFT-256QAM	M	75@0	13.393	13.99	PASS
N5	15	15	CP-QPSK	M	79@0	14.116	14.66	PASS
N5	15	15	CP-16QAM	M	79@0	14.118	14.75	PASS
N5	15	15	CP-64QAM	M	79@0	14.123	14.73	PASS
N5	15	15	CP-256QAM	M	79@0	14.110	14.66	PASS
N5	15	15	DFT-QPSK	H	75@0	13.421	14.05	PASS
N5	15	15	DFT-16QAM	H	75@0	13.405	14.02	PASS



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N5	15	15	DFT-64QAM	H	75@0	13.397	13.94	PASS
N5	15	15	DFT-256QAM	H	75@0	13.376	14.01	PASS
N5	15	15	CP-QPSK	H	79@0	14.095	14.68	PASS
N5	15	15	CP-16QAM	H	79@0	14.074	14.74	PASS
N5	15	15	CP-64QAM	H	79@0	14.109	14.69	PASS
N5	15	15	CP-256QAM	H	79@0	14.122	14.67	PASS
N5	15	20	DFT-QPSK	L	100@0	17.927	18.55	PASS
N5	15	20	DFT-16QAM	L	100@0	17.875	18.64	PASS
N5	15	20	DFT-64QAM	L	100@0	17.895	18.68	PASS
N5	15	20	DFT-256QAM	L	100@0	17.844	18.62	PASS
N5	15	20	CP-QPSK	L	106@0	18.925	19.69	PASS
N5	15	20	CP-16QAM	L	106@0	18.930	19.72	PASS
N5	15	20	CP-64QAM	L	106@0	18.965	19.66	PASS
N5	15	20	CP-256QAM	L	106@0	18.904	19.74	PASS
N5	15	20	DFT-QPSK	M	100@0	17.913	18.61	PASS
N5	15	20	DFT-16QAM	M	100@0	17.861	18.52	PASS
N5	15	20	DFT-64QAM	M	100@0	17.873	18.54	PASS
N5	15	20	DFT-256QAM	M	100@0	17.858	18.62	PASS
N5	15	20	CP-QPSK	M	106@0	18.899	19.66	PASS
N5	15	20	CP-16QAM	M	106@0	18.880	19.75	PASS
N5	15	20	CP-64QAM	M	106@0	18.913	19.66	PASS
N5	15	20	CP-256QAM	M	106@0	18.876	19.69	PASS
N5	15	20	DFT-QPSK	H	100@0	17.878	18.57	PASS
N5	15	20	DFT-16QAM	H	100@0	17.847	18.55	PASS
N5	15	20	DFT-64QAM	H	100@0	17.861	18.72	PASS
N5	15	20	DFT-256QAM	H	100@0	17.871	18.72	PASS
N5	15	20	CP-QPSK	H	106@0	18.870	19.72	PASS
N5	15	20	CP-16QAM	H	106@0	18.861	19.70	PASS
N5	15	20	CP-64QAM	H	106@0	18.902	19.65	PASS
N5	15	20	CP-256QAM	H	106@0	18.873	19.73	PASS



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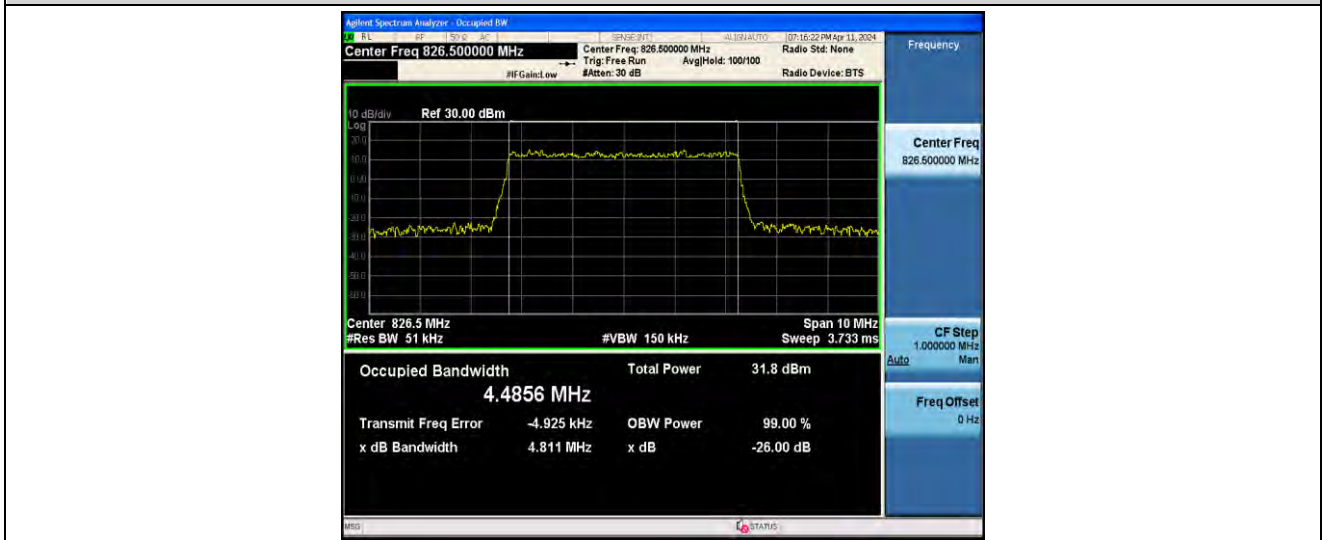
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Test Graphs



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1-N5-PC3-15-5-L-3-DFT-16QAM-Outer_Full-25@0-ANT1-4.4856-4.811-≤5-PASS



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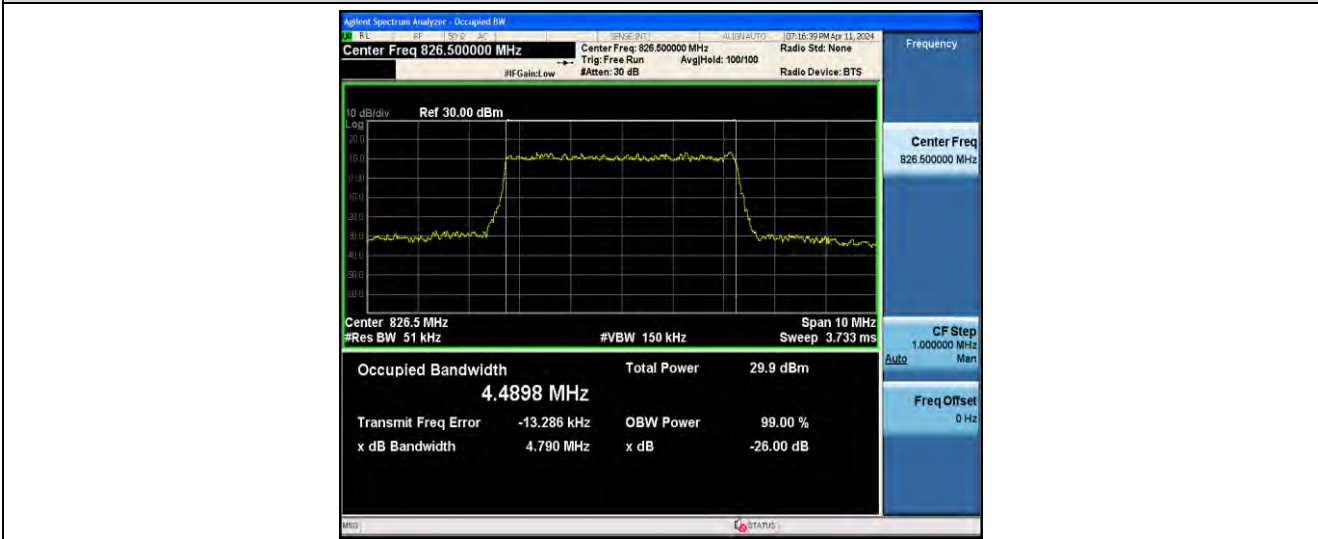


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1-N5-PC3-15-5-L-4-DFT-64QAM-Outer_Full-25@0-ANT1-4.4928-4.853-≤5-PASS



1-N5-PC3-15-5-L-5-DFT-256QAM-Outer_Full-25@0-ANT1-4.4898-4.790-≤5-PASS



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1-N5-PC3-15-5-L-6-CP-QPSK-Outer_Full-25@0-ANT1-4.4708-4.817-≤5-PASS



1-N5-PC3-15-5-L-7-CP-16QAM-Outer_Full-25@0-ANT1-4.4724-4.774-≤5-PASS



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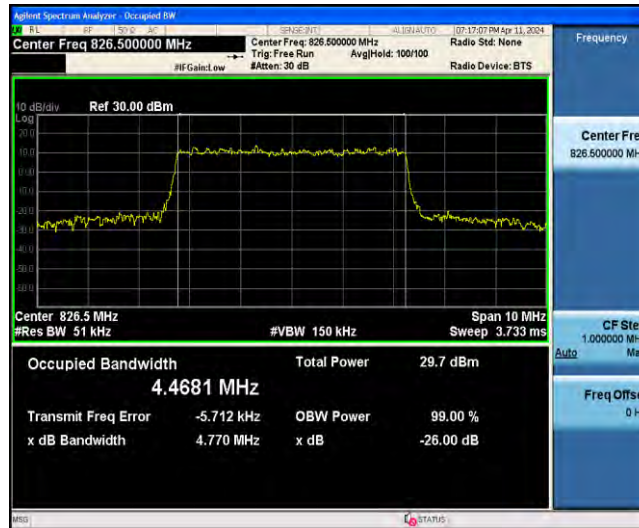
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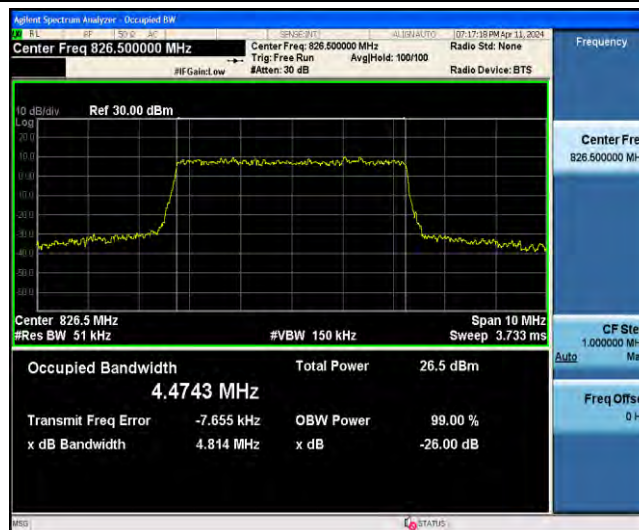


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1-N5-PC3-15-5-L-8-CP-64QAM-Outer_Full-25@0-ANT1-4.4681-4.770-≤5-PASS



1-N5-PC3-15-5-L-9-CP-256QAM-Outer_Full-25@0-ANT1-4.4743-4.814-≤5-PASS



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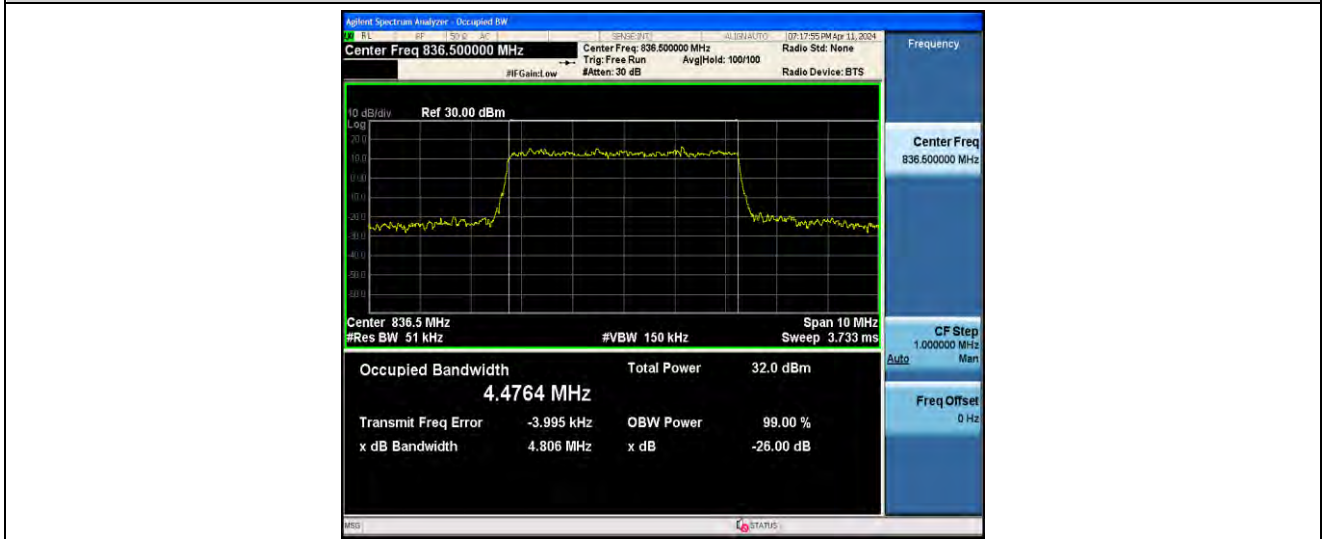


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1-N5-PC3-15-5-M-1-DFT-QPSK-Outer_Full-25@0-ANT1-4.4734-4.786-≤5-PASS



1-N5-PC3-15-5-M-3-DFT-16QAM-Outer_Full-25@0-ANT1-4.4764-4.806-≤5-PASS



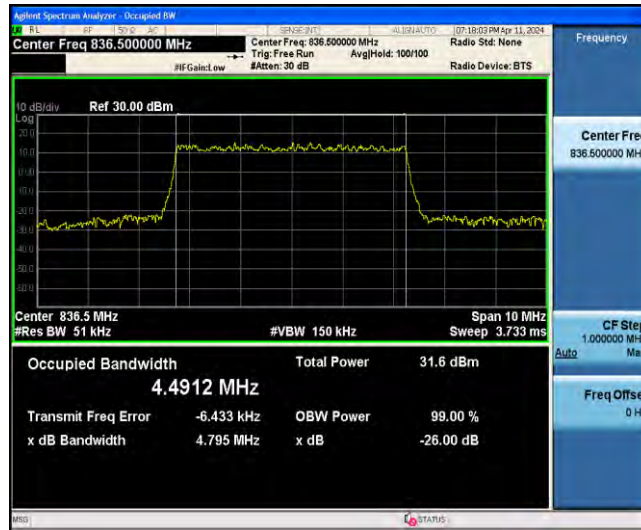
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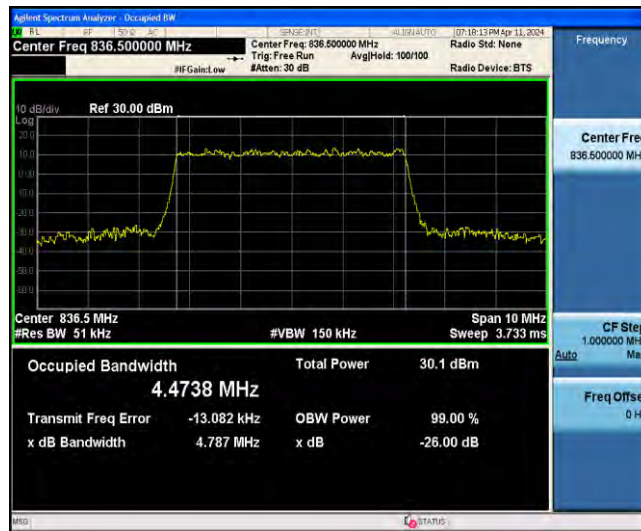


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1-N5-PC3-15-5-M-4-DFT-64QAM-Outer_Full-25@0-ANT1-4.4912-4.795-≤5-PASS



1-N5-PC3-15-5-M-5-DFT-256QAM-Outer_Full-25@0-ANT1-4.4738-4.787-≤5-PASS



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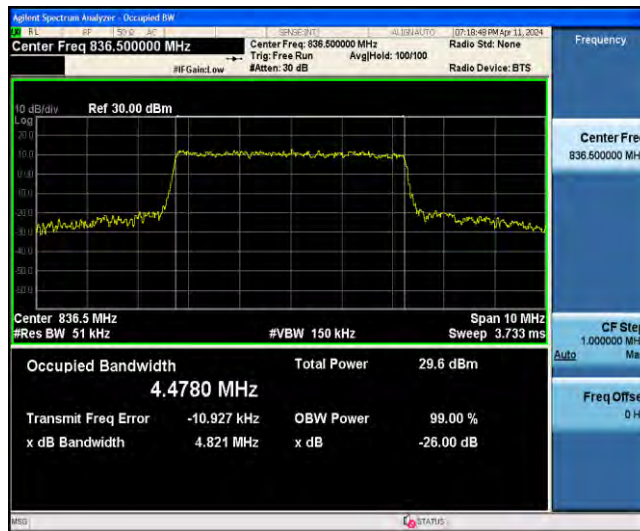


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1-N5-PC3-15-5-M-6-CP-QPSK-Outer_Full-25@0-ANT1-4.4667-4.855-≤5-PASS



1-N5-PC3-15-5-M-7-CP-16QAM-Outer_Full-25@0-ANT1-4.4780-4.821-≤5-PASS



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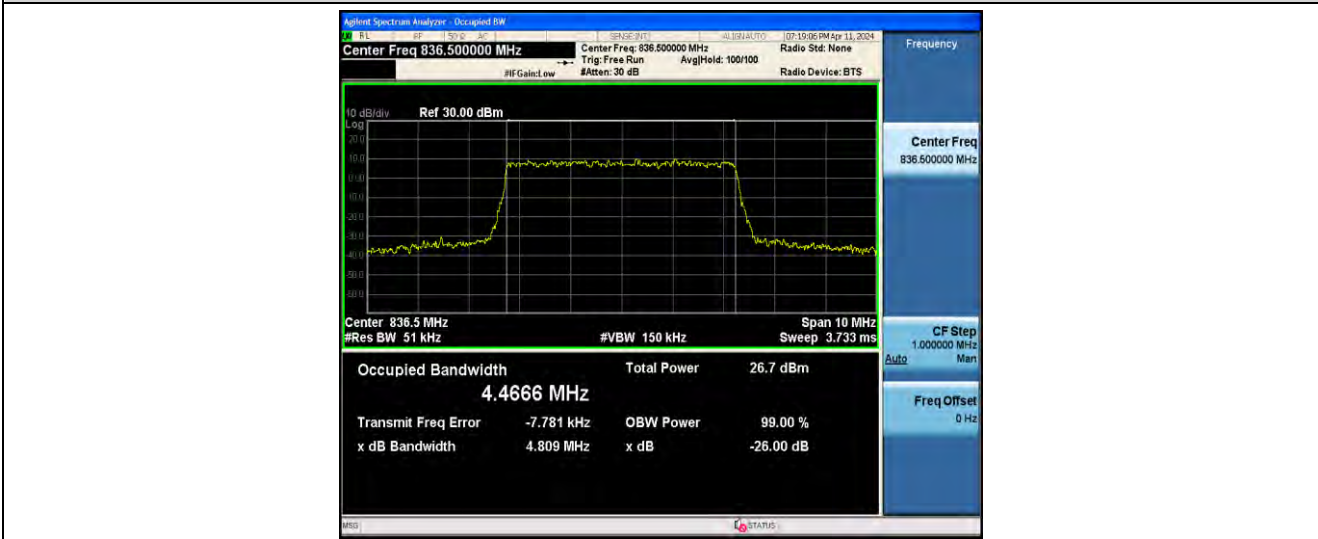


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1-N5-PC3-15-5-M-8-CP-64QAM-Outer_Full-25@0-ANT1-4.4871-4.825-≤5-PASS



1-N5-PC3-15-5-M-9-CP-256QAM-Outer_Full-25@0-ANT1-4.4666-4.809-≤5-PASS



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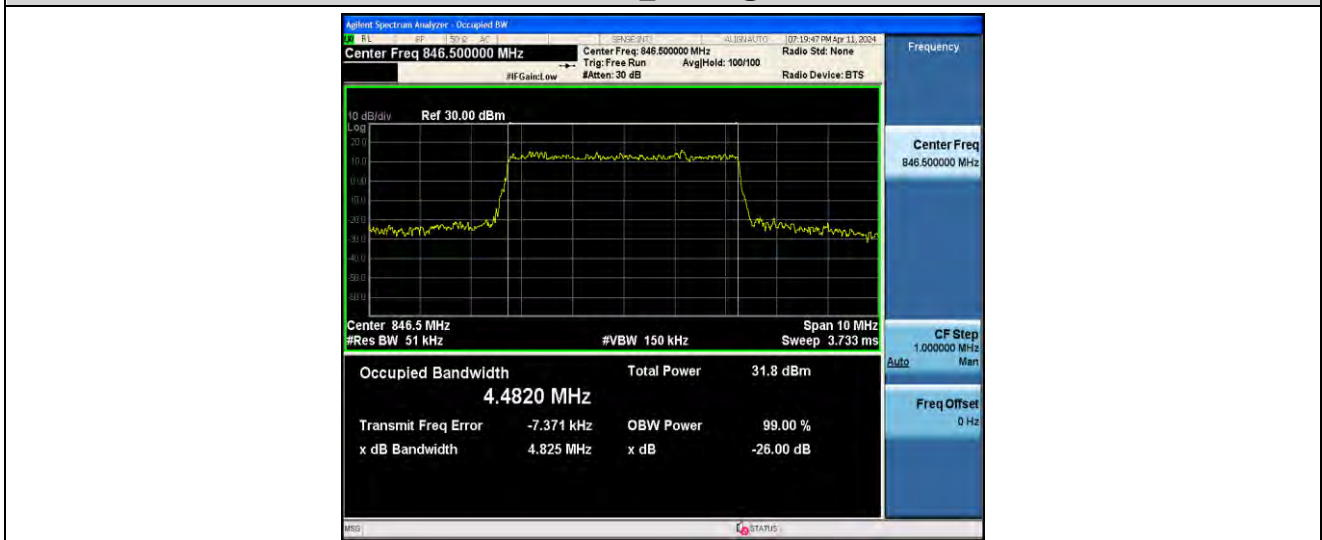


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1-N5-PC3-15-5-H-1-DFT-QPSK-Outer_Full-25@0-ANT1-4.4771-4.830-≤5-PASS



1-N5-PC3-15-5-H-3-DFT-16QAM-Outer_Full-25@0-ANT1-4.4820-4.825-≤5-PASS



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1-N5-PC3-15-5-H-4-DFT-64QAM-Outer_Full-25@0-ANT1-4.4860-4.823-≤5-PASS



1-N5-PC3-15-5-H-5-DFT-256QAM-Outer_Full-25@0-ANT1-4.4854-4.773-≤5-PASS



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1-N5-PC3-15-5-H-6-CP-QPSK-Outer_Full-25@0-ANT1-4.4684-4.829-≤5-PASS



1-N5-PC3-15-5-H-7-CP-16QAM-Outer_Full-25@0-ANT1-4.4701-4.760-≤5-PASS



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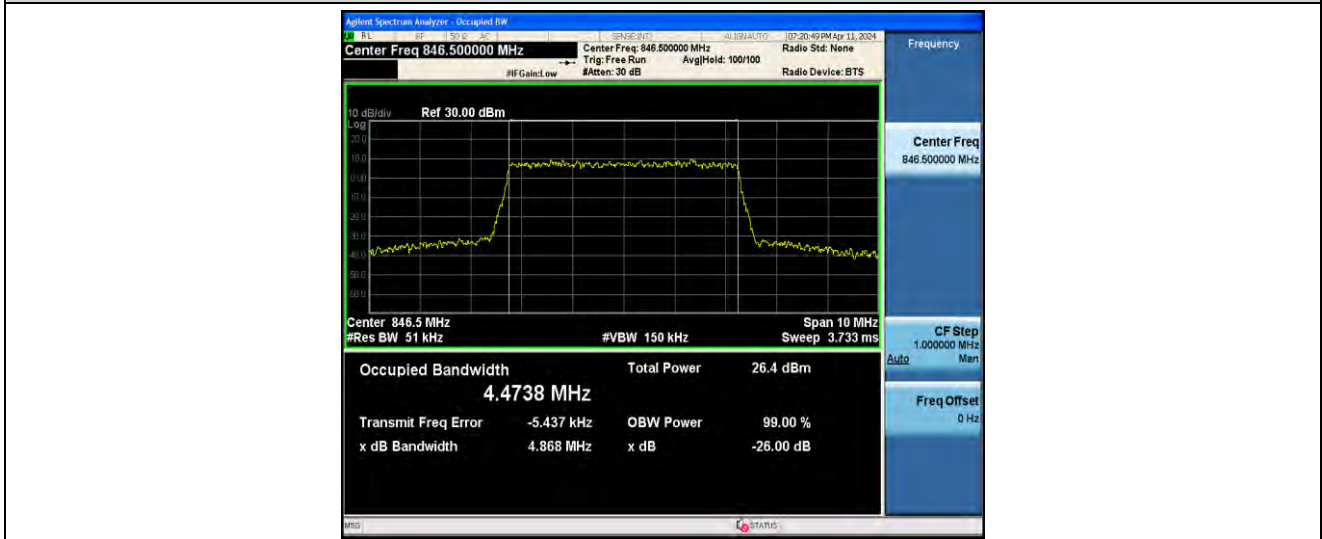


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1-N5-PC3-15-5-H-8-CP-64QAM-Outer_Full-25@0-ANT1-4.4710-4.803-≤5-PASS



1-N5-PC3-15-5-H-9-CP-256QAM-Outer_Full-25@0-ANT1-4.4738-4.868-≤5-PASS



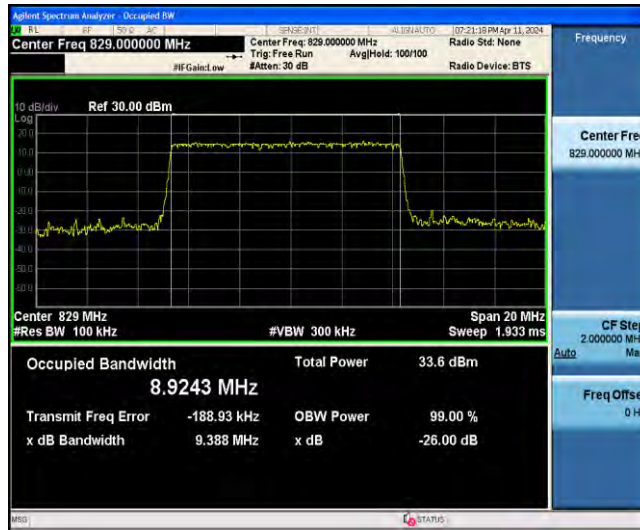
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1-N5-PC3-15-10-L-1-DFT-QPSK-Outer_Full-50@0-ANT1-8.9243-9.388-<10-PASS



1-N5-PC3-15-10-L-3-DFT-16QAM-Outer_Full-50@0-ANT1-8.9258-9.417-<10-PASS



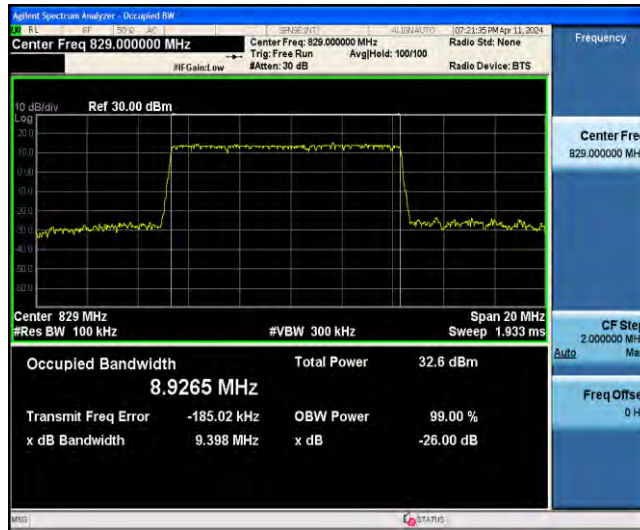
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1-N5-PC3-15-10-L-4-DFT-64QAM-Outer_Full-50@0-ANT1-8.9265-9.398-≤10-PASS



1-N5-PC3-15-10-L-5-DFT-256QAM-Outer_Full-50@0-ANT1-8.8883-9.388-≤10-PASS



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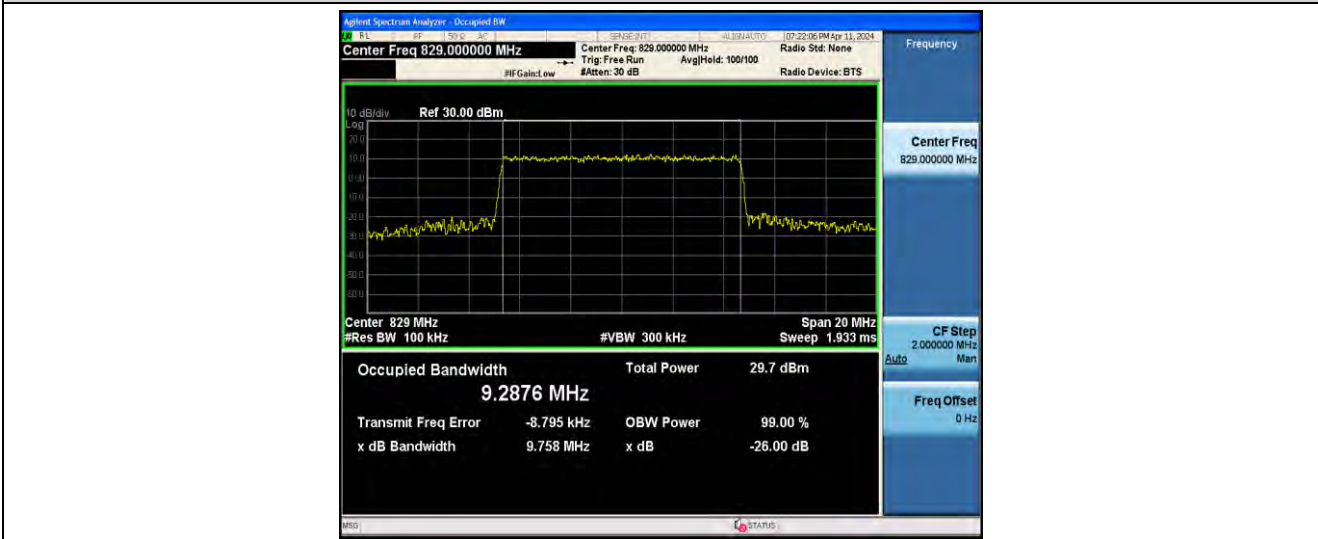


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1-N5-PC3-15-10-L-6-CP-QPSK-Outer_Full-52@0-ANT1-9.2807-9.741-≤10-PASS



1-N5-PC3-15-10-L-7-CP-16QAM-Outer_Full-52@0-ANT1-9.2876-9.758-≤10-PASS



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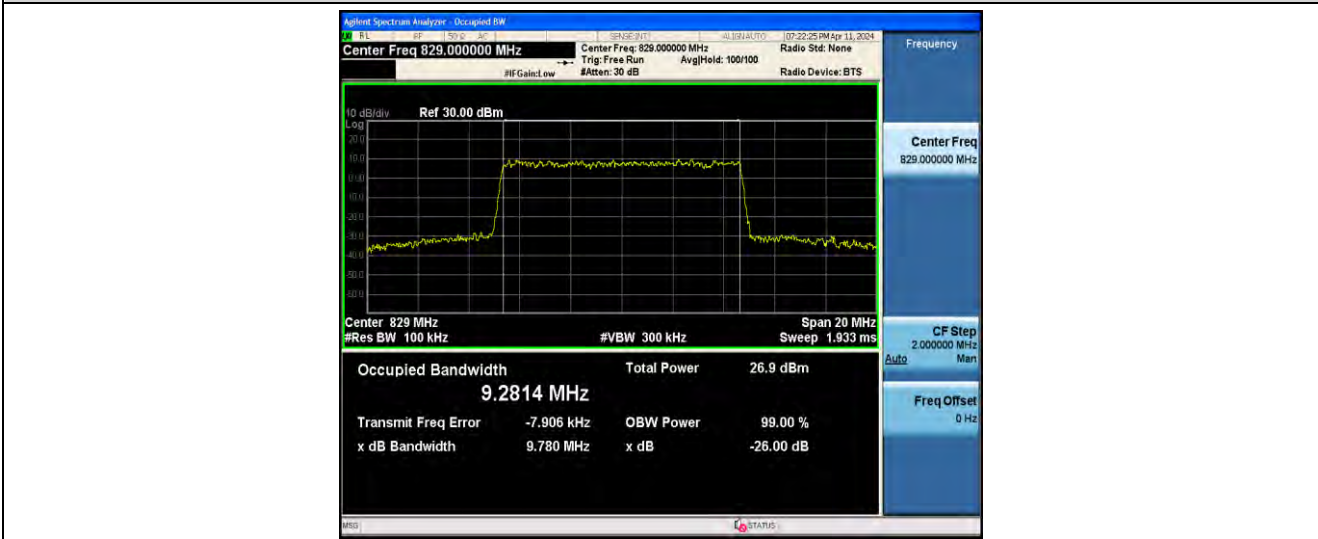


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1-N5-PC3-15-10-L-8-CP-64QAM-Outer_Full-52@0-ANT1-9.2962-9.724-≤10-PASS



1-N5-PC3-15-10-L-9-CP-256QAM-Outer_Full-52@0-ANT1-9.2814-9.780-≤10-PASS



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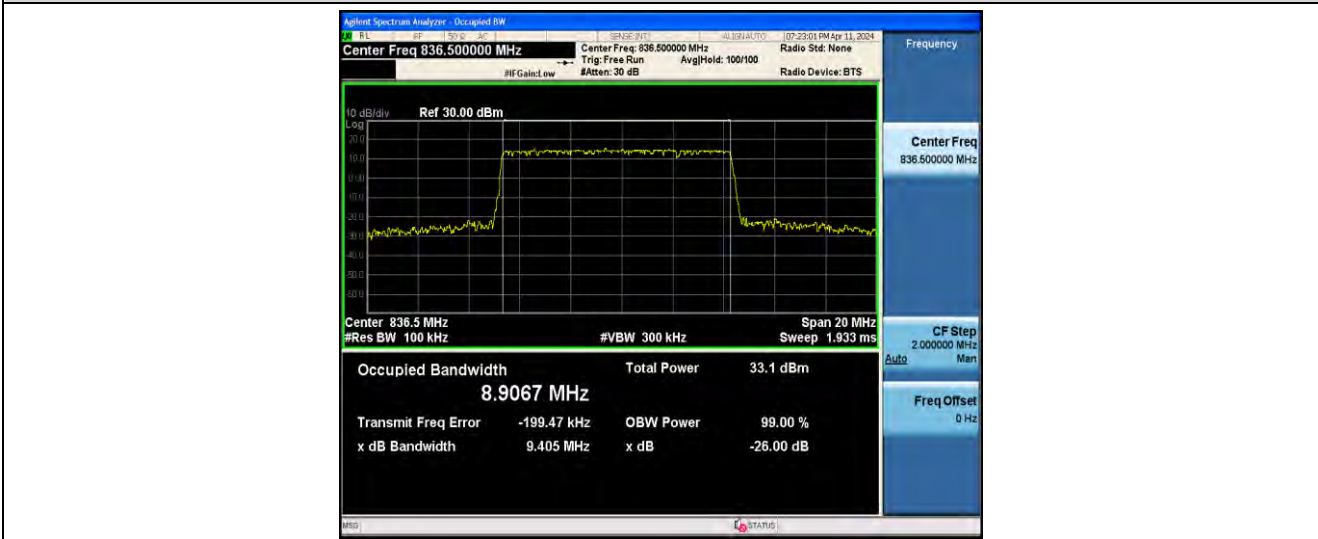


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1-N5-PC3-15-10-M-1-DFT-QPSK-Outer_Full-50@0-ANT1-8.8887-9.416-≤10-PASS



1-N5-PC3-15-10-M-3-DFT-16QAM-Outer_Full-50@0-ANT1-8.9067-9.405-≤10-PASS



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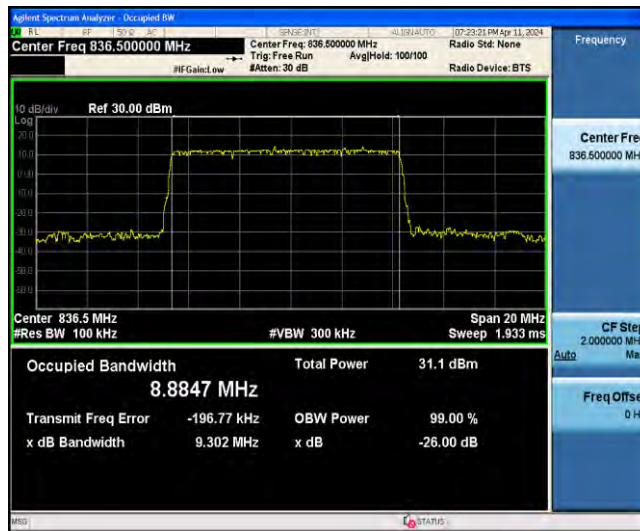


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1-N5-PC3-15-10-M-4-DFT-64QAM-Outer_Full-50@0-ANT1-8.9306-9.396-≤10-PASS



1-N5-PC3-15-10-M-5-DFT-256QAM-Outer_Full-50@0-ANT1-8.8847-9.302-≤10-PASS

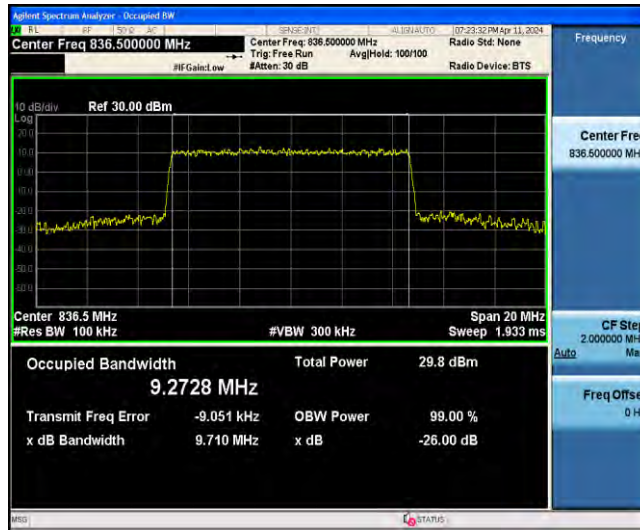


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1-N5-PC3-15-10-M-6-CP-QPSK-Outer_Full-52@0-ANT1-9.2728-9.710-≤10-PASS



1-N5-PC3-15-10-M-7-CP-16QAM-Outer_Full-52@0-ANT1-9.2640-9.756-≤10-PASS



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1-N5-PC3-15-10-M-8-CP-64QAM-Outer_Full-52@0-ANT1-9.2870-9.709-≤10-PASS



1-N5-PC3-15-10-M-9-CP-256QAM-Outer_Full-52@0-ANT1-9.2684-9.743-≤10-PASS



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1-N5-PC3-15-10-H-1-DFT-QPSK-Outer_Full-50@0-ANT1-8.9103-9.429-≤10-PASS



1-N5-PC3-15-10-H-3-DFT-16QAM-Outer_Full-50@0-ANT1-8.9308-9.416-≤10-PASS



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1-N5-PC3-15-10-H-4-DFT-64QAM-Outer_Full-50@0-ANT1-8.9469-9.430-≤10-PASS



1-N5-PC3-15-10-H-5-DFT-256QAM-Outer_Full-50@0-ANT1-8.8922-9.332-≤10-PASS



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1-N5-PC3-15-10-H-6-CP-QPSK-Outer_Full-52@0-ANT1-9.2847-9.719-≤10-PASS



1-N5-PC3-15-10-H-7-CP-16QAM-Outer_Full-52@0-ANT1-9.2697-9.749-≤10-PASS



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1-N5-PC3-15-10-H-8-CP-64QAM-Outer_Full-52@0-ANT1-9.2948-9.767-≤10-PASS



1-N5-PC3-15-10-H-9-CP-256QAM-Outer_Full-52@0-ANT1-9.2710-9.724-≤10-PASS



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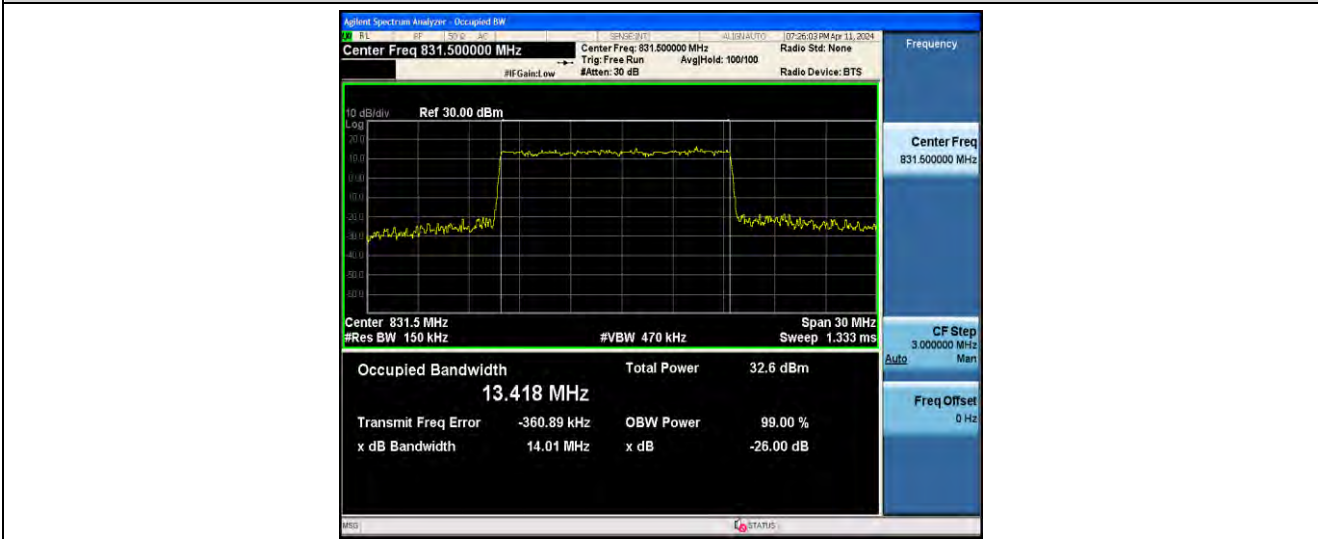


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1-N5-PC3-15-15-L-1-DFT-QPSK-Outer_Full-75@0-ANT1-13.421-13.97-≤15-PASS



1-N5-PC3-15-15-L-3-DFT-16QAM-Outer_Full-75@0-ANT1-13.418-14.01-≤15-PASS



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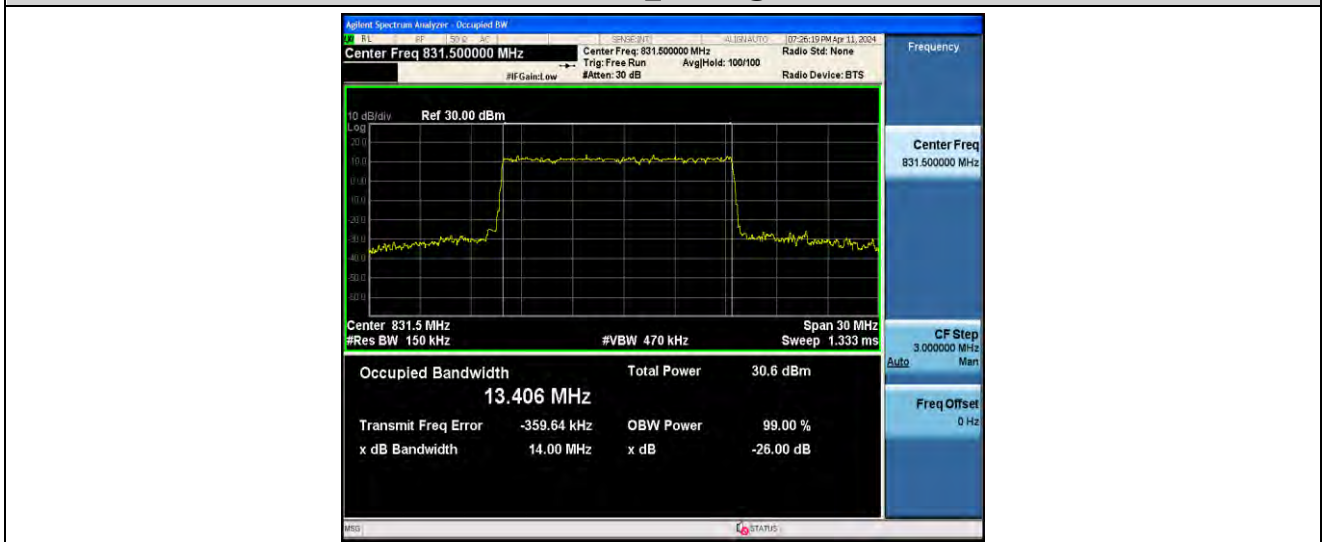


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1-N5-PC3-15-15-L-4-DFT-64QAM-Outer_Full-75@0-ANT1-13.412-14.08-≤15-PASS



1-N5-PC3-15-15-L-5-DFT-256QAM-Outer_Full-75@0-ANT1-13.406-14.00-≤15-PASS



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1-N5-PC3-15-15-L-6-CP-QPSK-Outer_Full-79@0-ANT1-14.125-14.73-≤15-PASS



1-N5-PC3-15-15-L-7-CP-16QAM-Outer_Full-79@0-ANT1-14.135-14.77-≤15-PASS



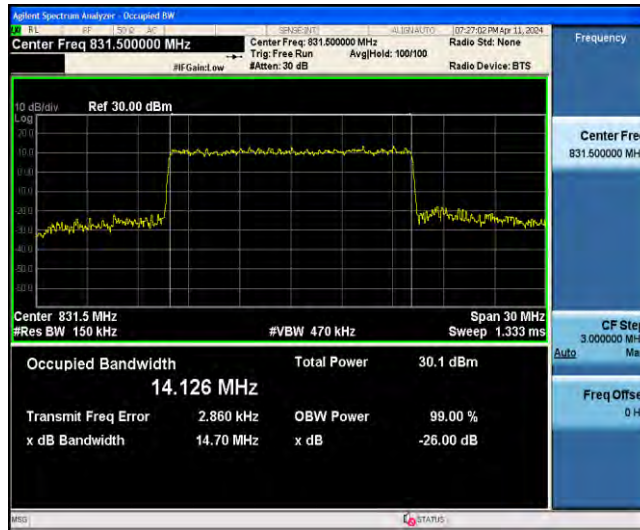
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1-N5-PC3-15-15-L-8-CP-64QAM-Outer_Full-79@0-ANT1-14.126-14.70-≤15-PASS



1-N5-PC3-15-15-L-9-CP-256QAM-Outer_Full-79@0-ANT1-14.149-14.76-≤15-PASS



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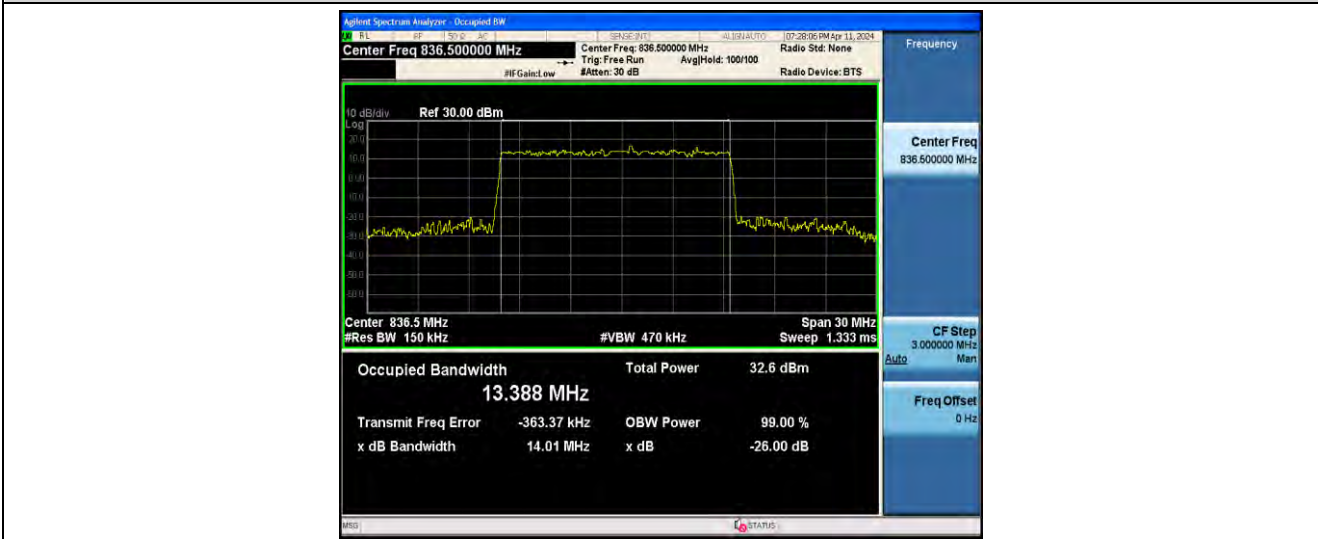


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1-N5-PC3-15-15-M-1-DFT-QPSK-Outer_Full-75@0-ANT1-13.397-13.96-≤15-PASS



1-N5-PC3-15-15-M-3-DFT-16QAM-Outer_Full-75@0-ANT1-13.388-14.01-≤15-PASS



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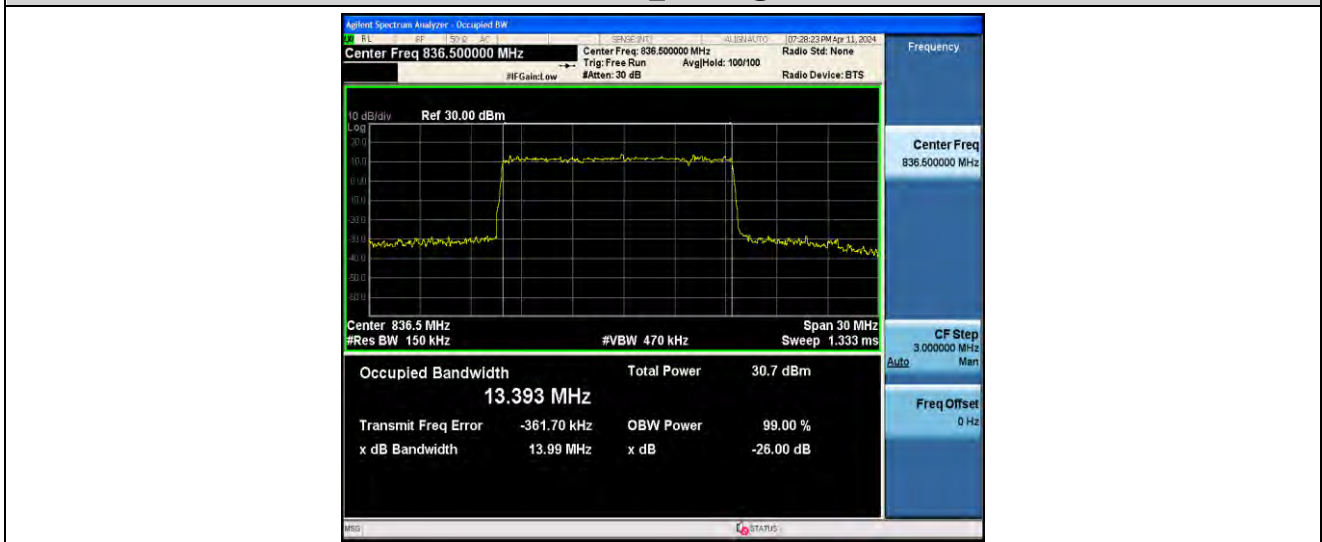


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1-N5-PC3-15-15-M-4-DFT-64QAM-Outer_Full-75@0-ANT1-13.400-13.95-≤15-PASS



1-N5-PC3-15-15-M-5-DFT-256QAM-Outer_Full-75@0-ANT1-13.393-13.99-≤15-PASS



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1-N5-PC3-15-15-M-6-CP-QPSK-Outer_Full-79@0-ANT1-14.116-14.66-≤15-PASS



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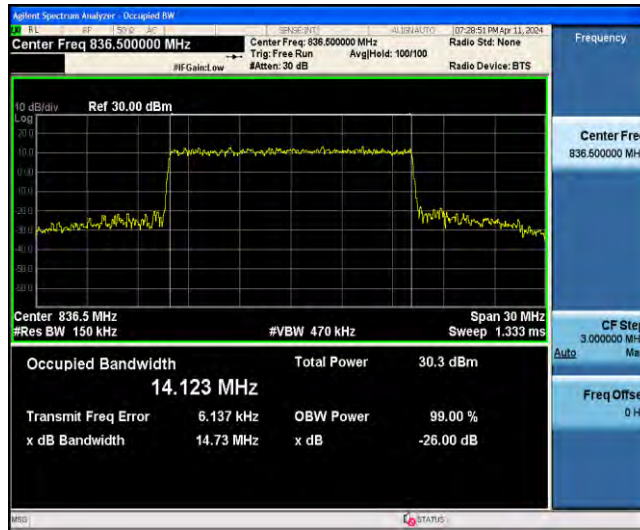
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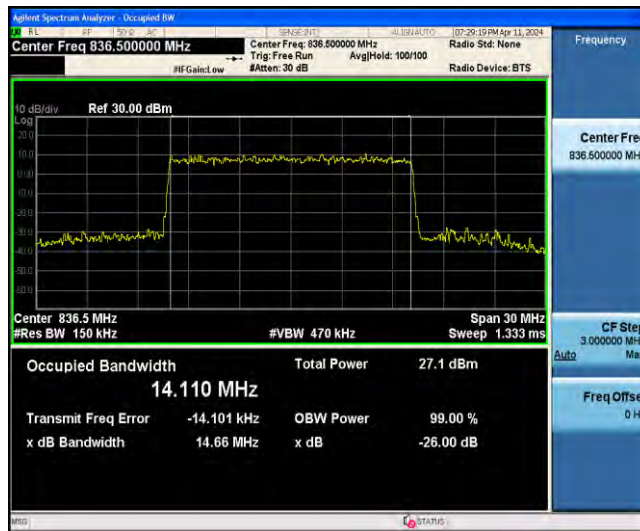


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1-N5-PC3-15-15-M-8-CP-64QAM-Outer_Full-79@0-ANT1-14.123-14.73-≤15-PASS



1-N5-PC3-15-15-M-9-CP-256QAM-Outer_Full-79@0-ANT1-14.110-14.66-≤15-PASS



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1-N5-PC3-15-15-H-1-DFT-QPSK-Outer_Full-75@0-ANT1-13.421-14.05-≤15-PASS



1-N5-PC3-15-15-H-3-DFT-16QAM-Outer_Full-75@0-ANT1-13.405-14.02-≤15-PASS



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1-N5-PC3-15-15-H-4-DFT-64QAM-Outer_Full-75@0-ANT1-13.397-13.94-≤15-PASS



1-N5-PC3-15-15-H-5-DFT-256QAM-Outer_Full-75@0-ANT1-13.376-14.01-≤15-PASS



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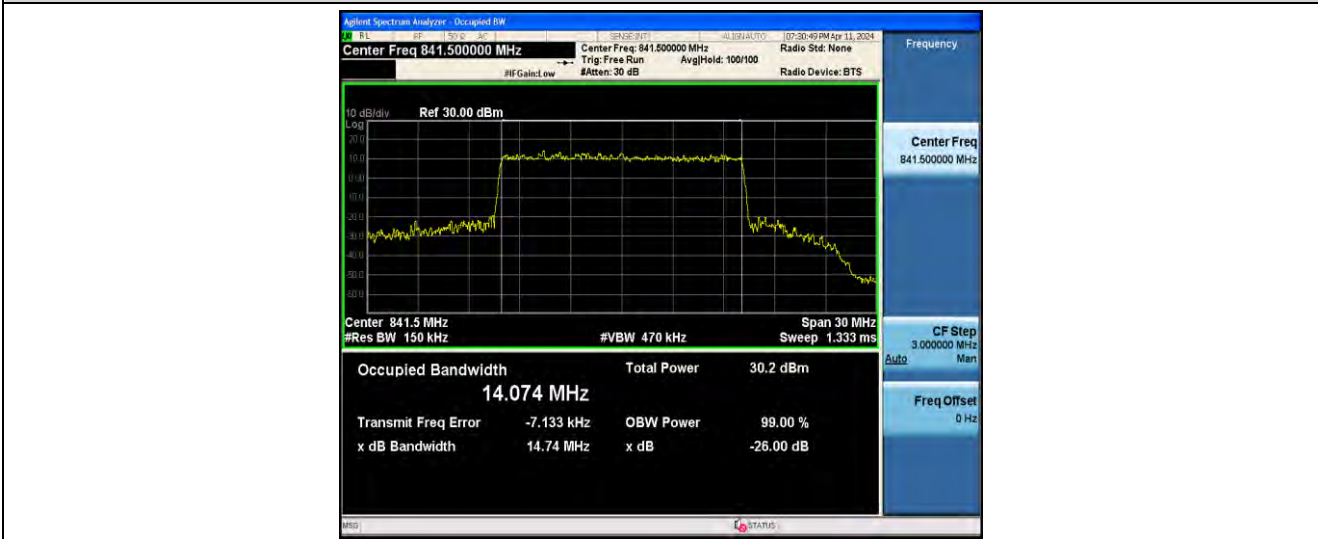


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1-N5-PC3-15-15-H-6-CP-QPSK-Outer_Full-79@0-ANT1-14.095-14.68-≤15-PASS



1-N5-PC3-15-15-H-7-CP-16QAM-Outer_Full-79@0-ANT1-14.074-14.74-≤15-PASS



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1-N5-PC3-15-15-H-8-CP-64QAM-Outer_Full-79@0-ANT1-14.109-14.69-≤15-PASS



1-N5-PC3-15-15-H-9-CP-256QAM-Outer_Full-79@0-ANT1-14.122-14.67-≤15-PASS



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1-N5-PC3-15-20-L-1-DFT-QPSK-Outer_Full-100@0-ANT1-17.927-18.55-≤20-PASS



1-N5-PC3-15-20-L-3-DFT-16QAM-Outer_Full-100@0-ANT1-17.875-18.64-≤20-PASS



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1-N5-PC3-15-20-L-4-DFT-64QAM-Outer_Full-100@0-ANT1-17.895-18.68-≤20-PASS



1-N5-PC3-15-20-L-5-DFT-256QAM-Outer_Full-100@0-ANT1-17.844-18.62-≤20-PASS



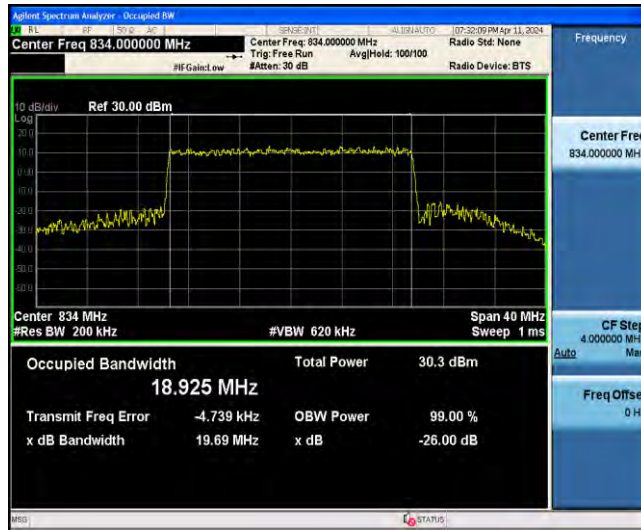
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1-N5-PC3-15-20-L-6-CP-QPSK-Outer_Full-106@0-ANT1-18.925-19.69-≤20-PASS



1-N5-PC3-15-20-L-7-CP-16QAM-Outer_Full-106@0-ANT1-18.930-19.72-≤20-PASS



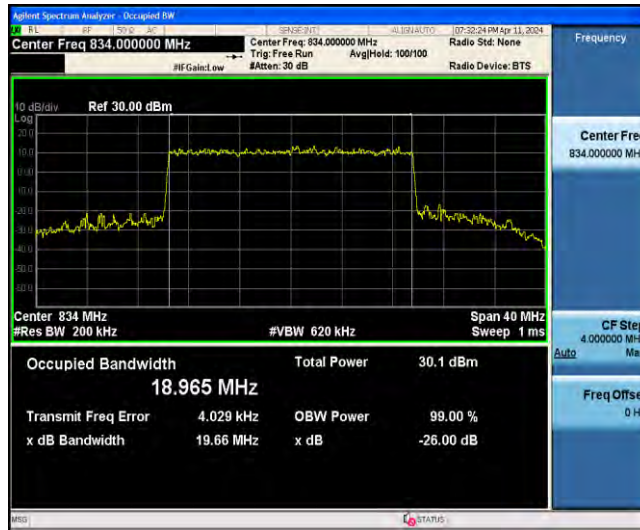
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1-N5-PC3-15-20-L-8-CP-64QAM-Outer_Full-106@0-ANT1-18.965-19.66-≤20-PASS



1-N5-PC3-15-20-L-9-CP-256QAM-Outer_Full-106@0-ANT1-18.904-19.74-≤20-PASS



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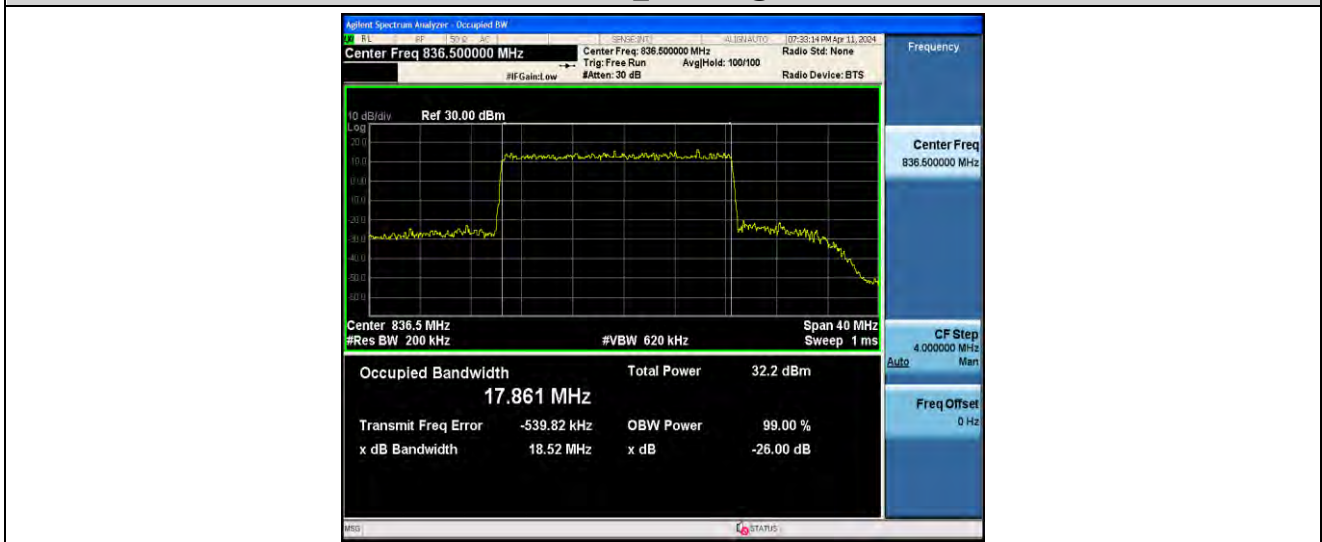


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1-N5-PC3-15-20-M-1-DFT-QPSK-Outer_Full-100@0-ANT1-17.913-18.61-≤20-PASS



1-N5-PC3-15-20-M-3-DFT-16QAM-Outer_Full-100@0-ANT1-17.861-18.52-≤20-PASS



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1-N5-PC3-15-20-M-4-DFT-64QAM-Outer_Full-100@0-ANT1-17.873-18.54-≤20-PASS



1-N5-PC3-15-20-M-5-DFT-256QAM-Outer_Full-100@0-ANT1-17.858-18.62-≤20-PASS



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1-N5-PC3-15-20-M-6-CP-QPSK-Outer_Full-106@0-ANT1-18.899-19.66-≤20-PASS



1-N5-PC3-15-20-M-7-CP-16QAM-Outer_Full-106@0-ANT1-18.880-19.75-≤20-PASS



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1-N5-PC3-15-20-M-8-CP-64QAM-Outer_Full-106@0-ANT1-18.913-19.66-≤20-PASS



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1-N5-PC3-15-20-H-1-DFT-QPSK-Outer_Full-100@0-ANT1-17.878-18.57-≤20-PASS



1-N5-PC3-15-20-H-3-DFT-16QAM-Outer_Full-100@0-ANT1-17.847-18.55-≤20-PASS



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1-N5-PC3-15-20-H-4-DFT-64QAM-Outer_Full-100@0-ANT1-17.861-18.72-≤20-PASS



1-N5-PC3-15-20-H-5-DFT-256QAM-Outer_Full-100@0-ANT1-17.871-18.72-≤20-PASS



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1-N5-PC3-15-20-H-6-CP-QPSK-Outer_Full-106@0-ANT1-18.870-19.72-≤20-PASS



1-N5-PC3-15-20-H-7-CP-16QAM-Outer_Full-106@0-ANT1-18.861-19.70-≤20-PASS



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1-N5-PC3-15-20-H-8-CP-64QAM-Outer_Full-106@0-ANT1-18.902-19.65-≤20-PASS



1-N5-PC3-15-20-H-9-CP-256QAM-Outer_Full-106@0-ANT1-18.873-19.73-≤20-PASS



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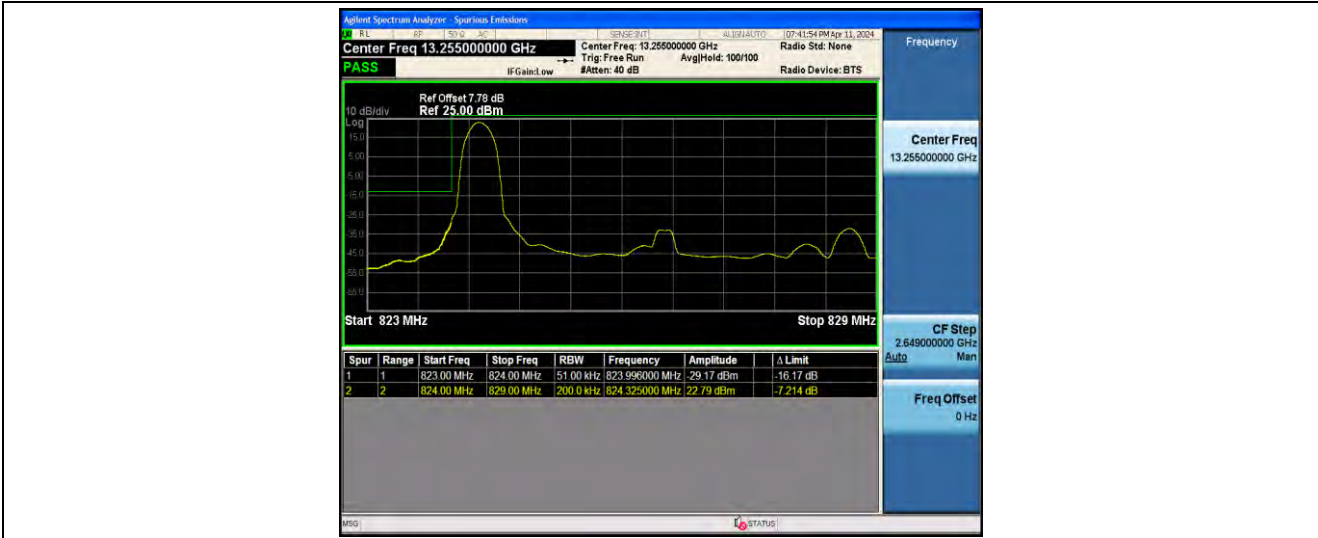


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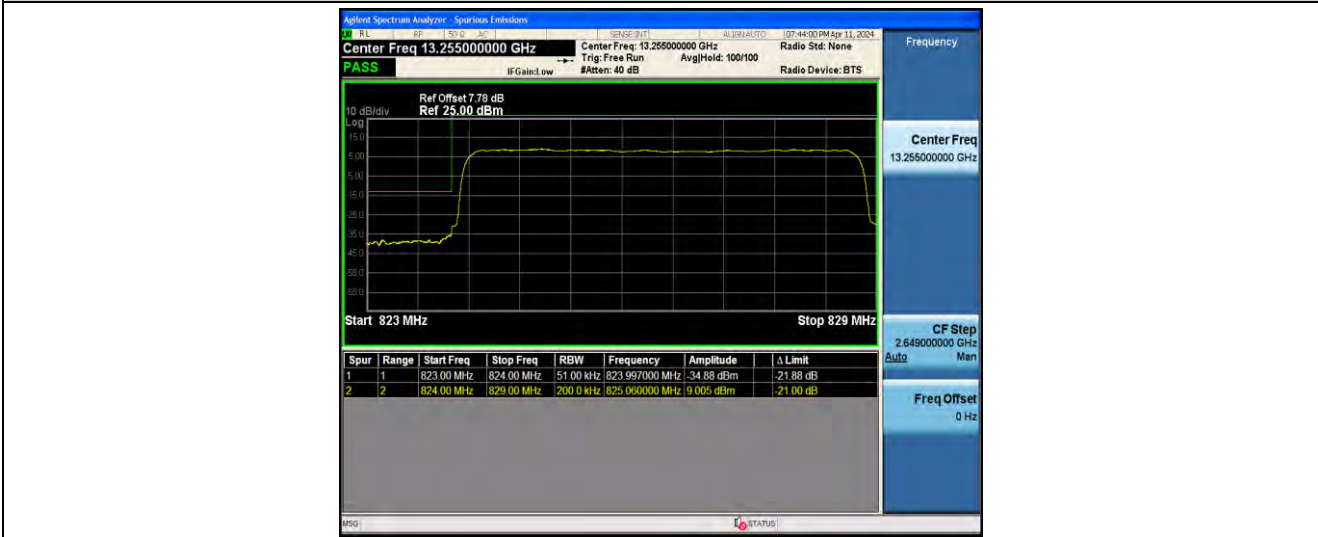
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Band Edge for SA

Test Graphs



1-N5-PC3-15-5-L-1-DFT-QPSK-Edge_1RB_Left-1@0-ANT1-824.00-16.17--29.17-PASS



1-N5-PC3-15-5-L-3-DFT-QPSK-Outer_Full-25@0-ANT1-824.00-21.88--34.88-PASS



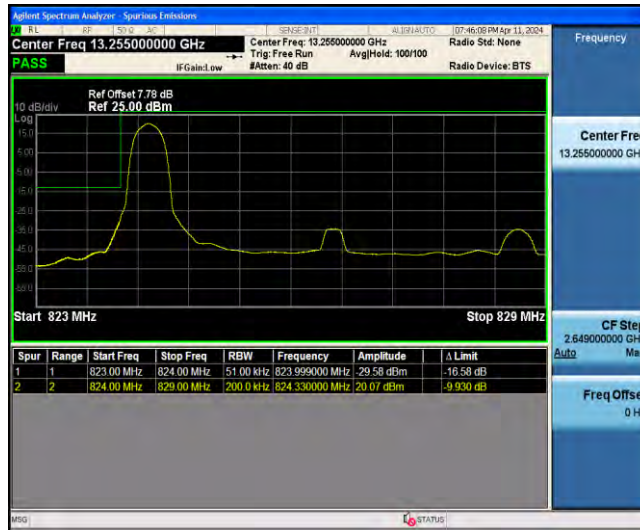
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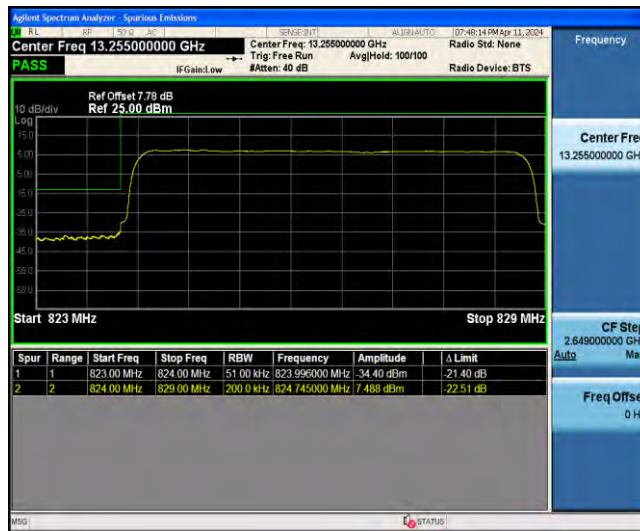


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1-N5-PC3-15-5-L-4-CP-QPSK-Edge_1RB_Left-1@0-ANT1-824.00-16.58--29.58-PASS



1-N5-PC3-15-5-L-6-CP-QPSK-Outer_Full-25@0-ANT1-824.00-21.40--34.40-PASS

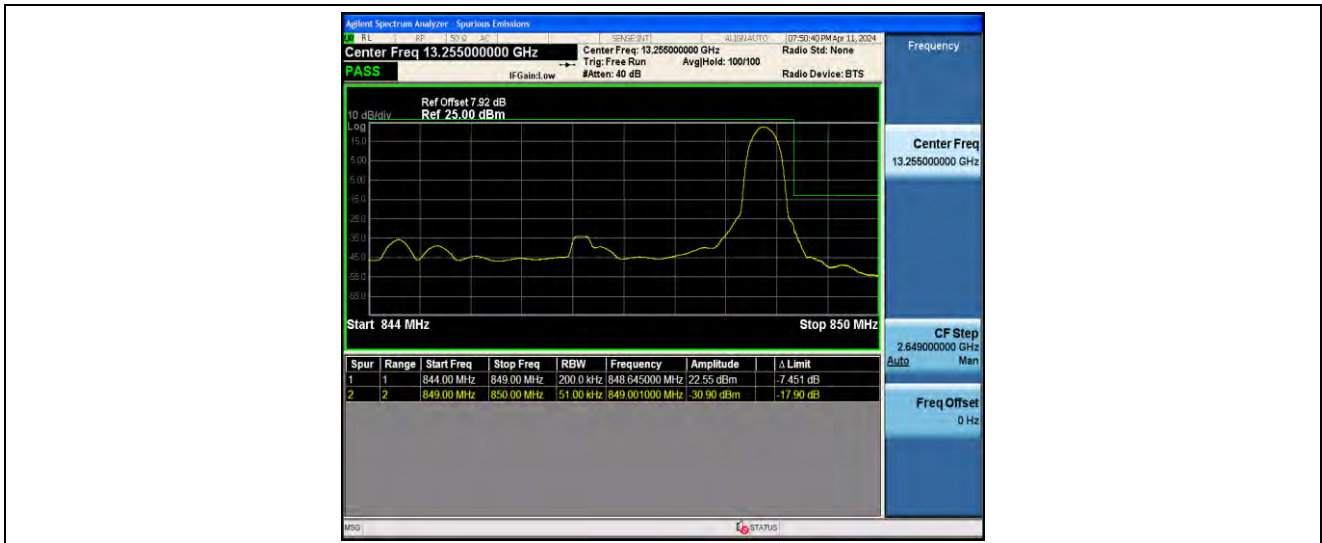


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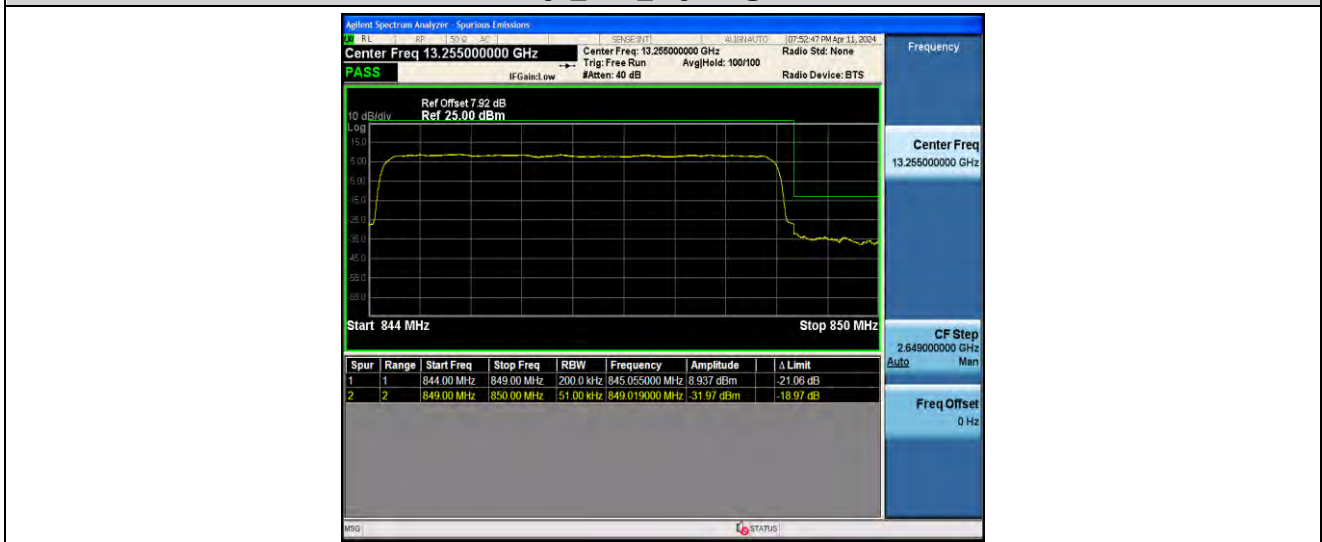


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1-N5-PC3-15-5-H-2-DFT-QPSK-Edge_1RB_Right-1@24-ANT1-849.00-17.90--30.90-PASS



1-N5-PC3-15-5-H-3-DFT-QPSK-Outer_Full-25@0-ANT1-849.02-18.97--31.97-PASS



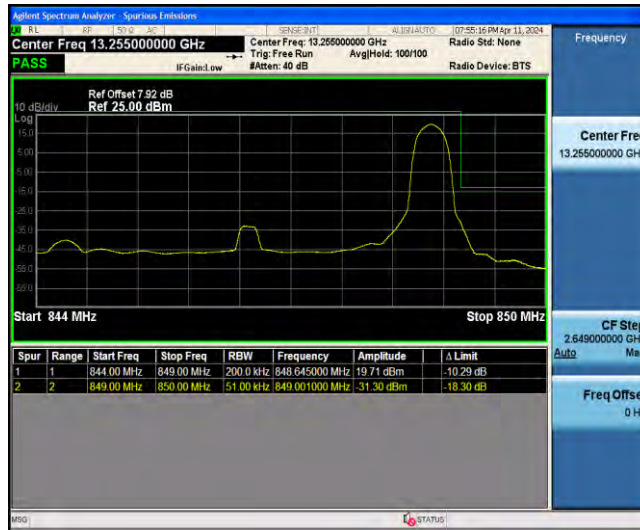
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1-N5-PC3-15-5-H-5-CP-QPSK-Edge_1RB_Right-1@24-ANT1-849.00-18.30--31.30-PASS



1-N5-PC3-15-5-H-6-CP-QPSK-Outer_Full-25@0-ANT1-849.00-21.87--34.87-PASS



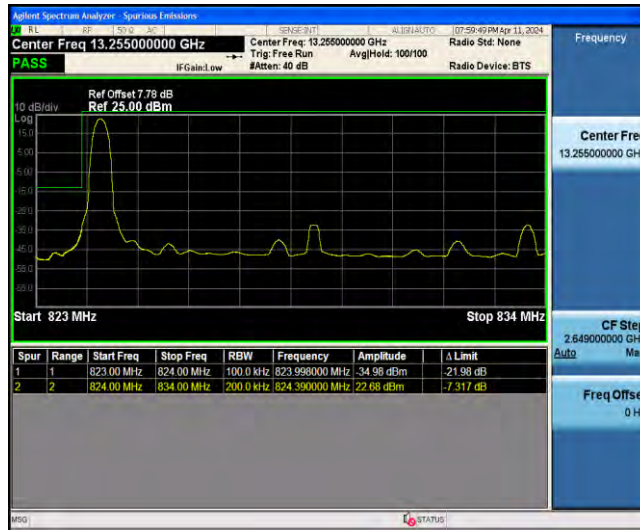
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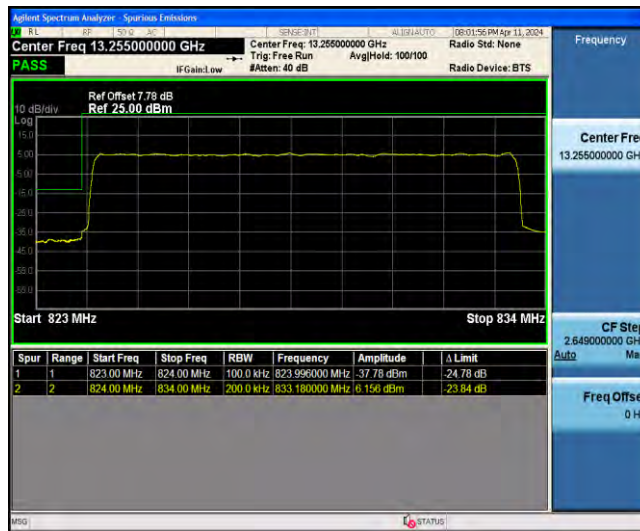


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1-N5-PC3-15-10-L-1-DFT-QPSK-Edge_1RB_Left-1@0-ANT1-824.00-21.98--34.98-PASS



1-N5-PC3-15-10-L-3-DFT-QPSK-Outer_Full-50@0-ANT1-824.00-24.78--37.78-PASS



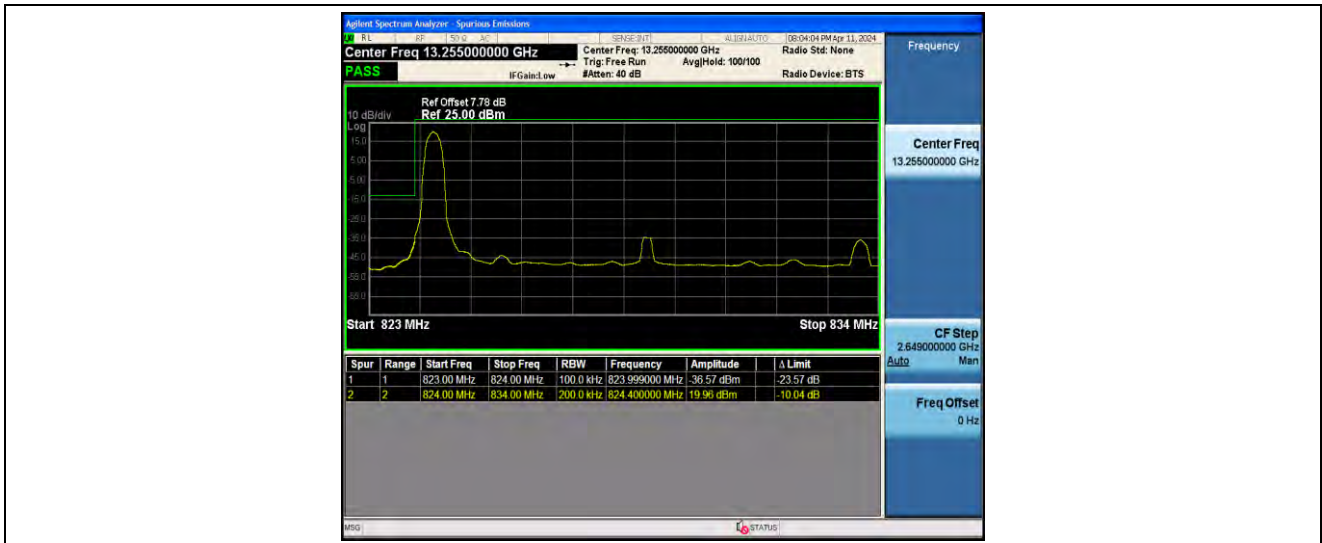
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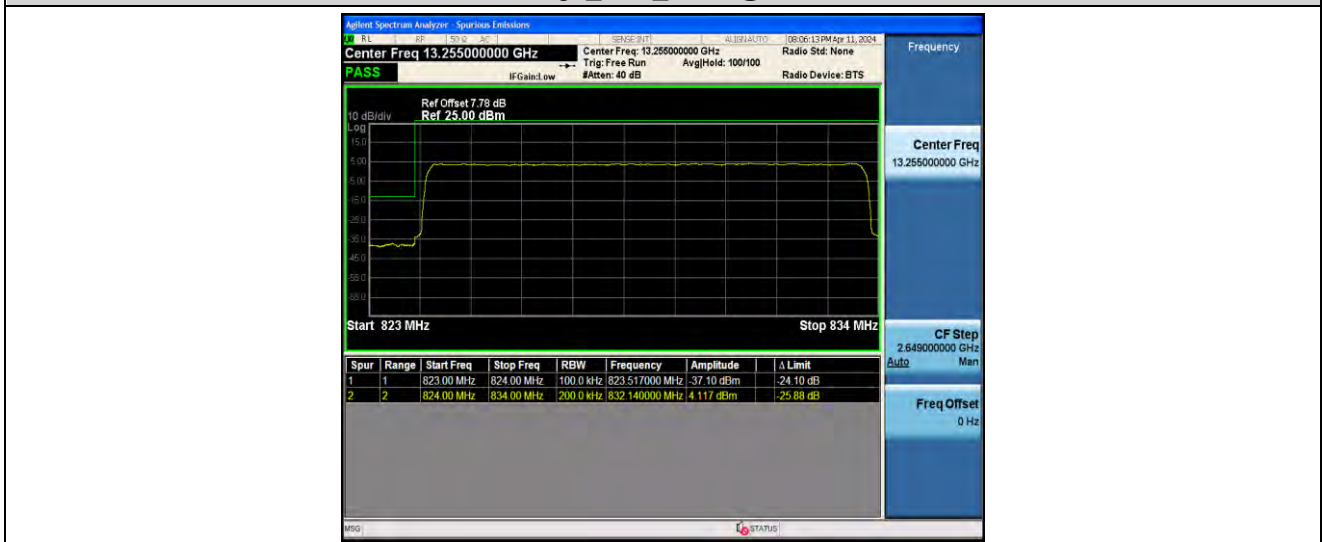


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1-N5-PC3-15-10-L-4-CP-QPSK-Edge_1RB_Left-1@0-ANT1-824.00-23.57--36.57-PASS



1-N5-PC3-15-10-L-6-CP-QPSK-Outer_Full-52@0-ANT1-823.52-24.10--37.10-PASS



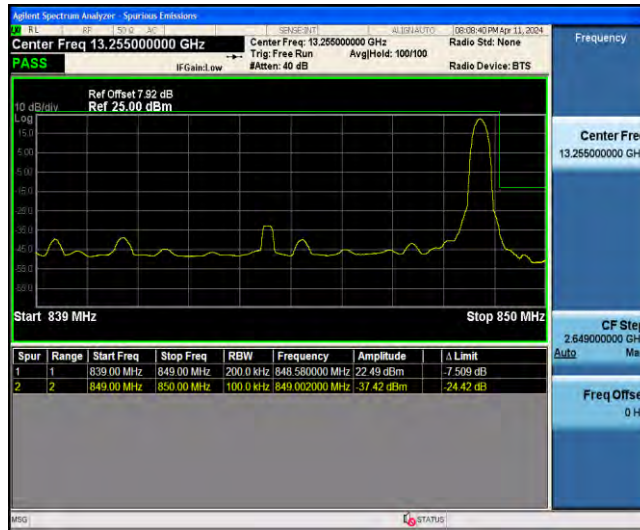
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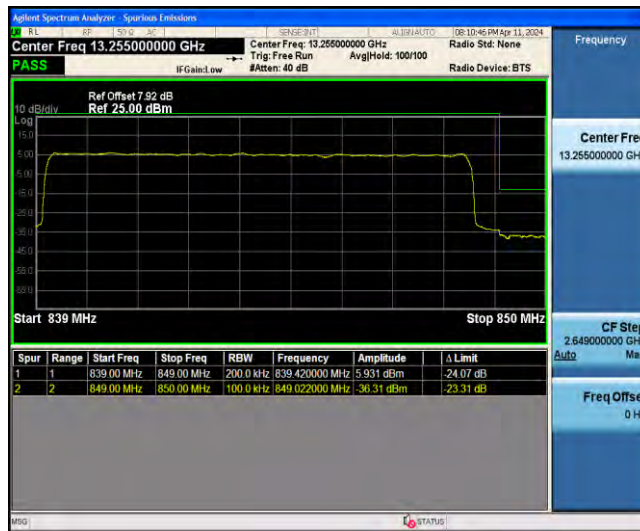


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1-N5-PC3-15-10-H-2-DFT-QPSK-Edge_1RB_Right-1@51-ANT1-849.00-24.42--37.42-PASS



1-N5-PC3-15-10-H-3-DFT-QPSK-Outer_Full-50@0-ANT1-849.02-23.31--36.31-PASS



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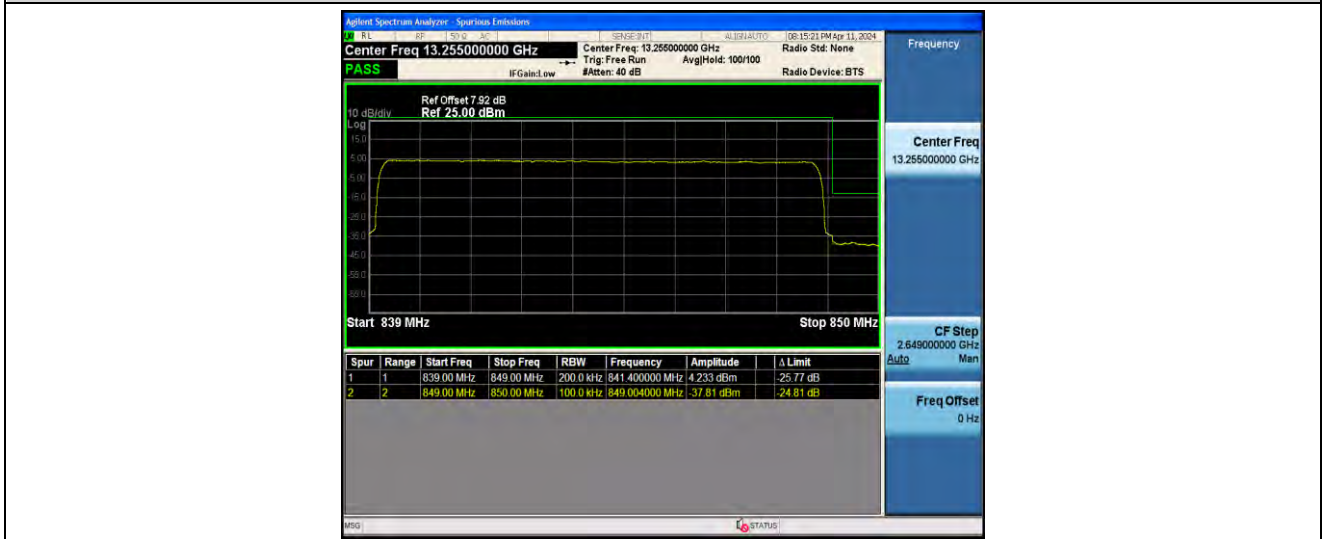


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1-N5-PC3-15-10-H-5-CP-QPSK-Edge_1RB_Right-1@51-ANT1-849.00-25.68--38.68-PASS



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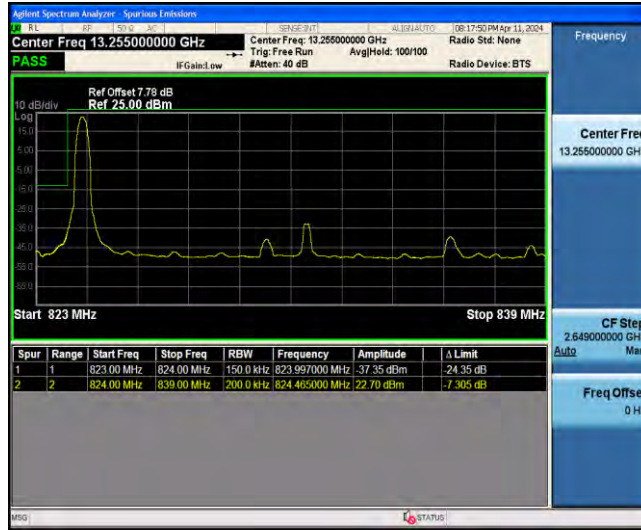
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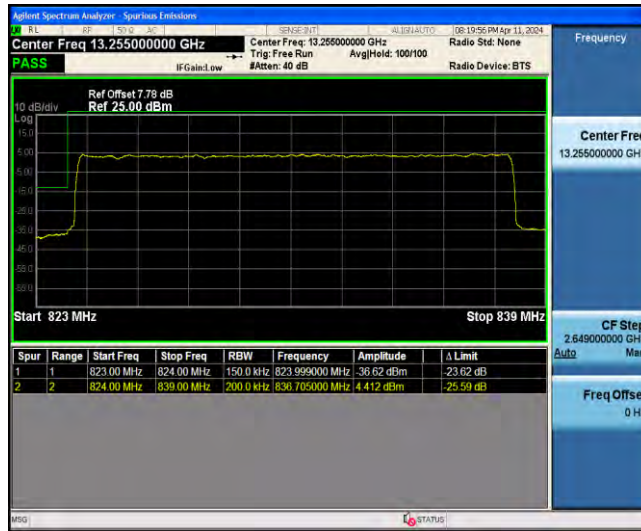
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1-N5-PC3-15-15-L-3-DFT-QPSK-Outer_Full-75@0-ANT1-824.00-23.62--36.62-PASS



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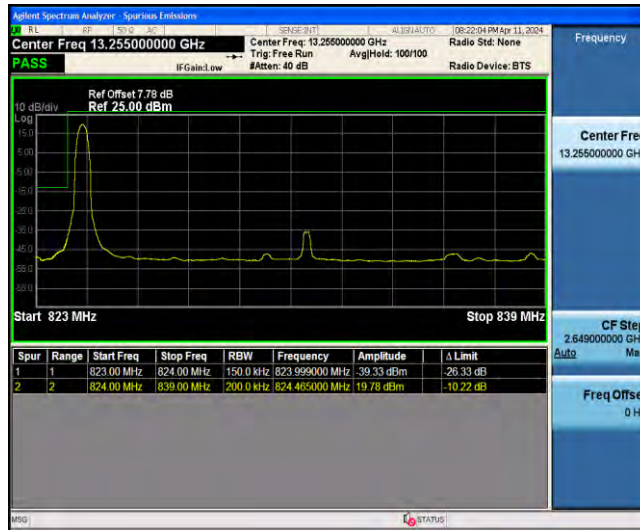
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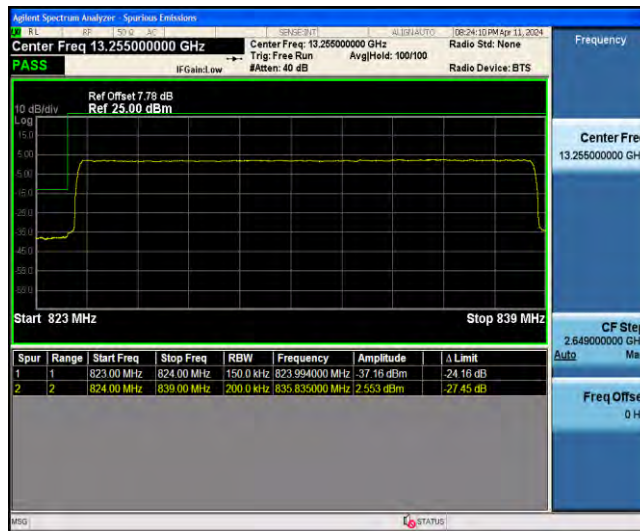


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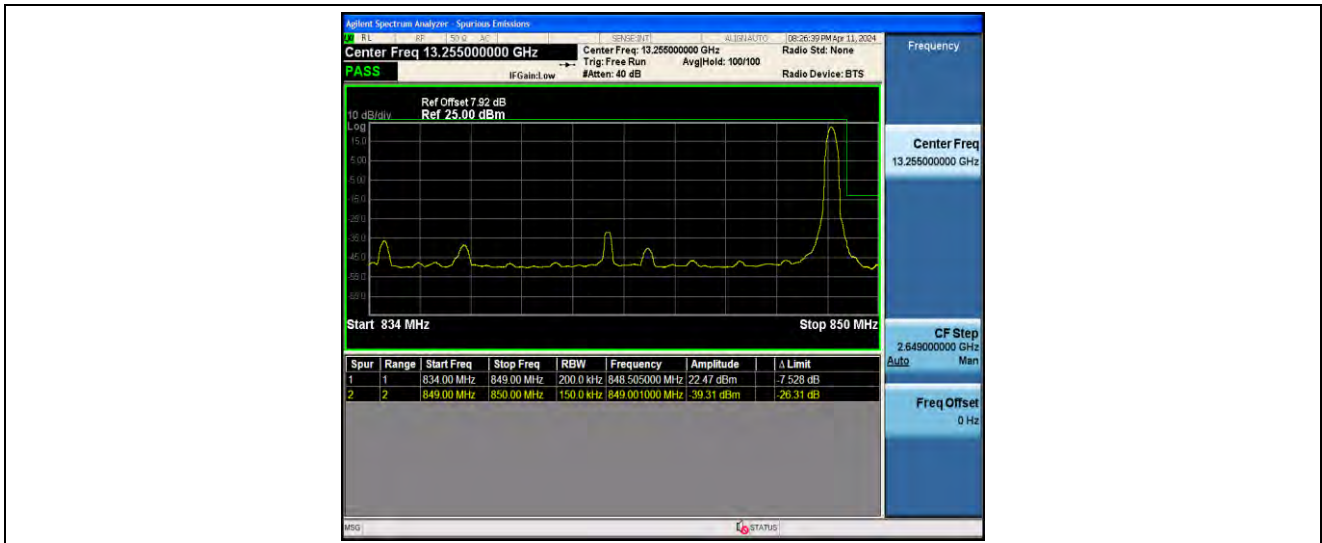


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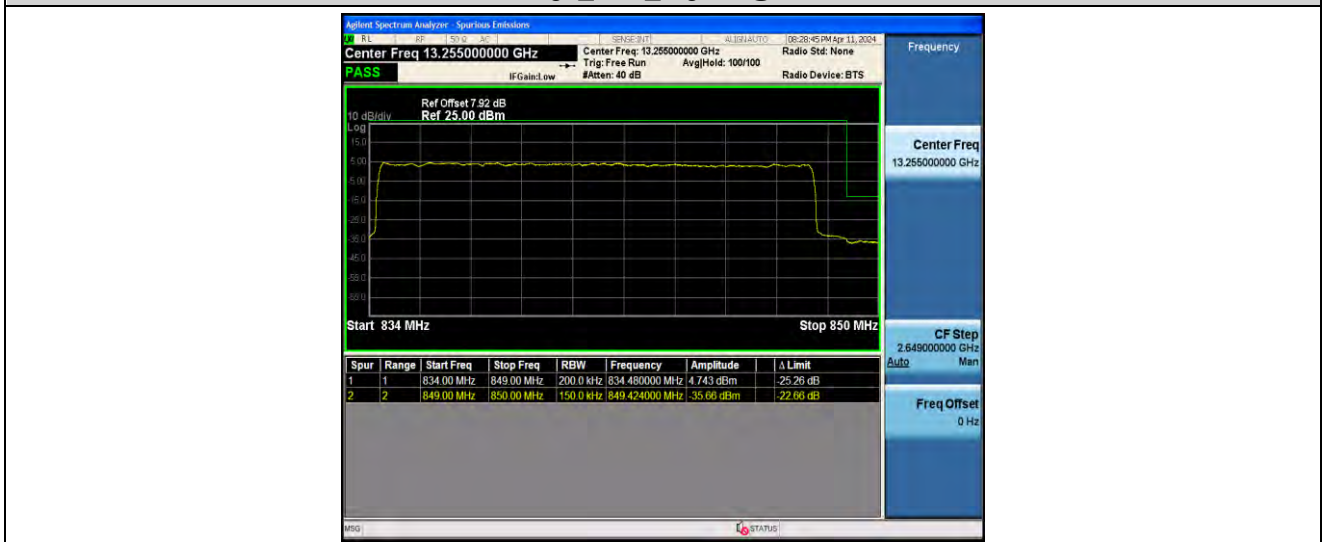


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1-N5-PC3-15-15-H-2-DFT-QPSK-Edge_1RB_Right-1@78-ANT1-849.00-26.31--39.31-PASS



1-N5-PC3-15-15-H-3-DFT-QPSK-Outer_Full-75@0-ANT1-849.42-22.66--35.66-PASS



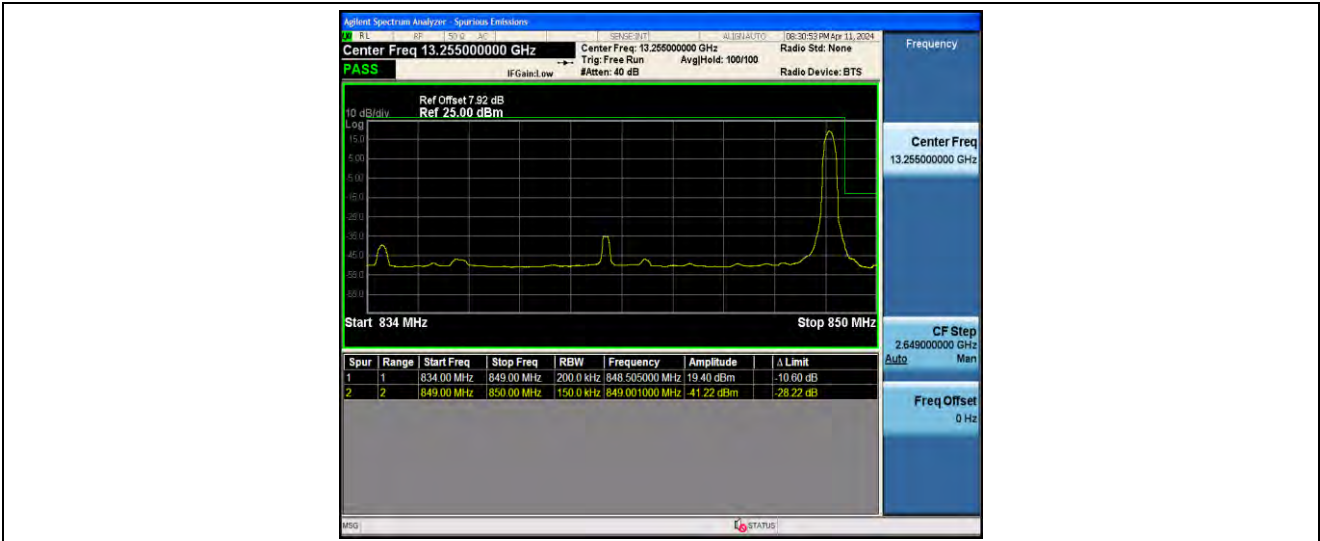
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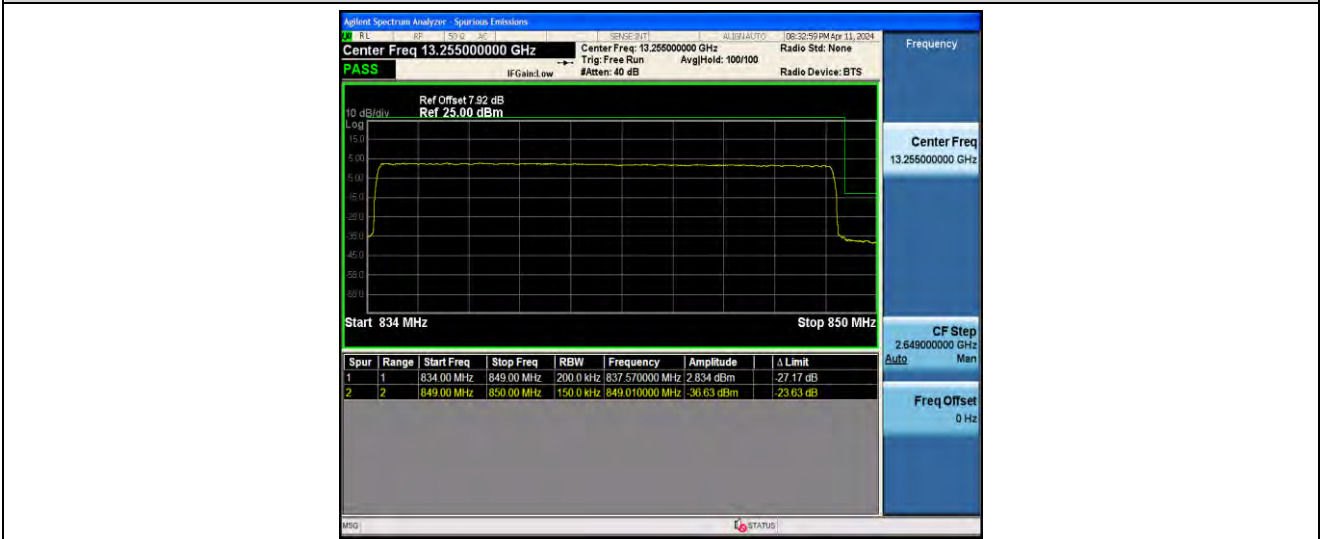


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1-N5-PC3-15-15-H-5-CP-QPSK-Edge_1RB_Right-1@78-ANT1-849.00-28.22--41.22-PASS



1-N5-PC3-15-15-H-6-CP-QPSK-Outer_Full-79@0-ANT1-849.01-23.63--36.63-PASS



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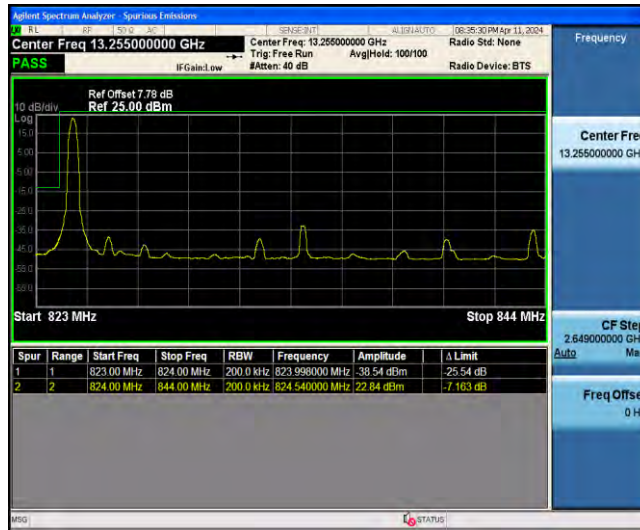
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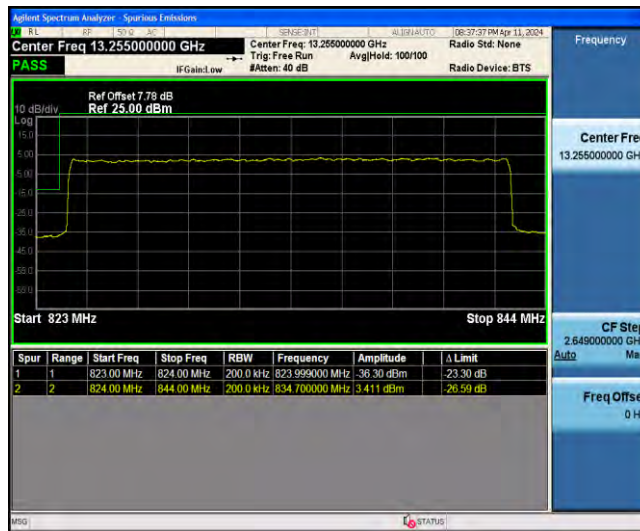


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1-N5-PC3-15-20-L-1-DFT-QPSK-Edge_1RB_Left-1@0-ANT1-824.00-25.54--38.54-PASS



1-N5-PC3-15-20-L-3-DFT-QPSK-Outer_Full-100@0-ANT1-824.00-23.30--36.30-PASS



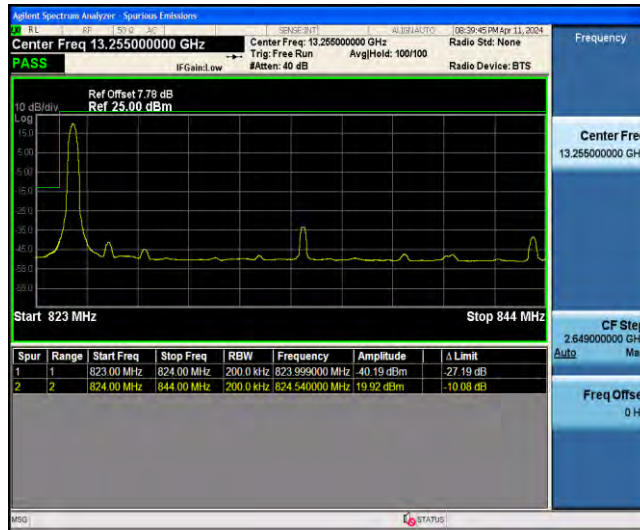
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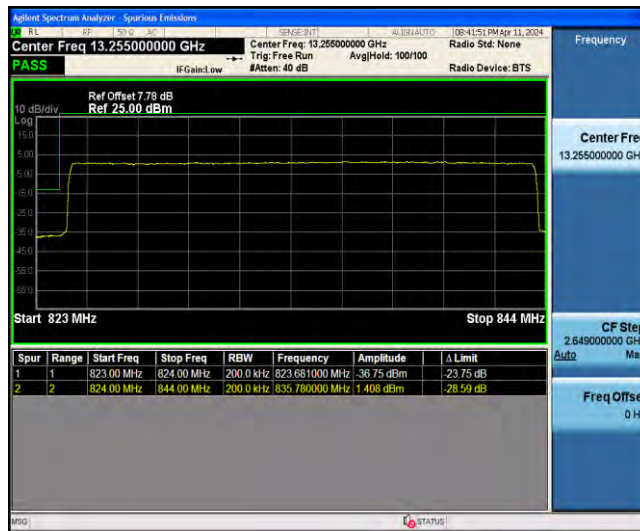


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1-N5-PC3-15-20-L-4-CP-QPSK-Edge_1RB_Left-1@0-ANT1-824.00-27.19--40.19-PASS



1-N5-PC3-15-20-L-6-CP-QPSK-Outer_Full-106@0-ANT1-823.68-23.75--36.75-PASS

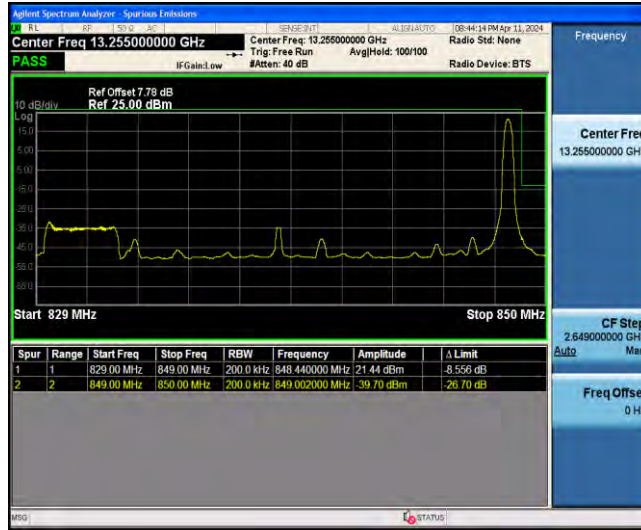


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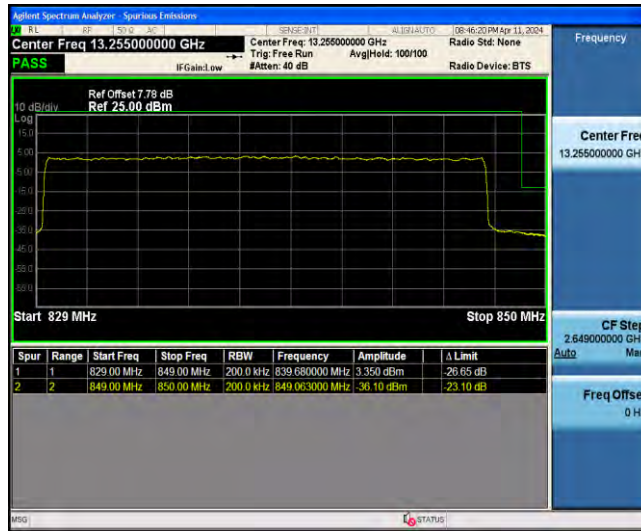
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1-N5-PC3-15-20-H-3-DFT-QPSK-Outer_Full-100@0-ANT1-849.06-23.10--36.10-PASS



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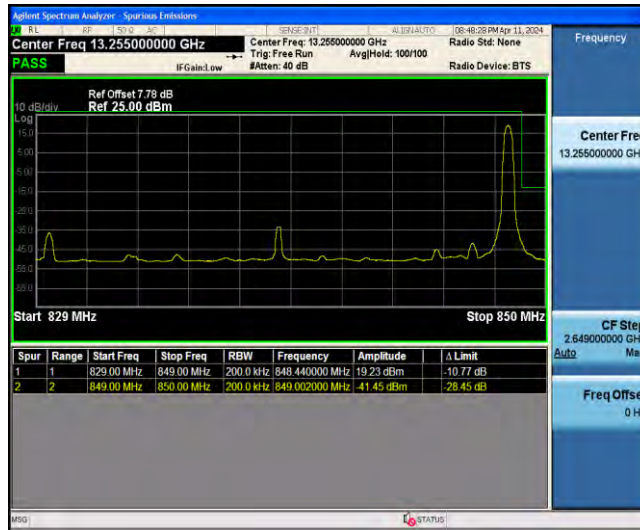
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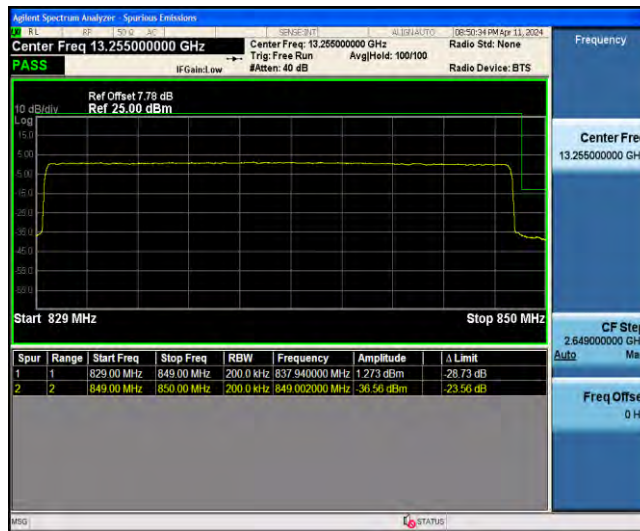


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1-N5-PC3-15-20-H-5-CP-QPSK-Edge_1RB_Right-1@105-ANT1-849.00-28.45--41.45-PASS



1-N5-PC3-15-20-H-6-CP-QPSK-Outer_Full-106@0-ANT1-849.00-23.56--36.56-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-QPSK	L	0.009	0.15	1@1	-66.00	-33	PASS
N5	15	20	DFT-QPSK	L	0.15	30	1@1	-61.91	-23	PASS
N5	15	20	DFT-QPSK	L	30	1000	1@1	-42.91	-13	PASS
N5	15	20	DFT-QPSK	L	1000	3000	1@1	-39.15	-13	PASS
N5	15	20	DFT-QPSK	L	3000	12000	1@1	-47.15	-13	PASS
N5	15	20	DFT-QPSK	L	12000	20000	1@1	-44.04	-13	PASS
N5	15	20	DFT-QPSK	M	0.009	0.15	1@1	-65.34	-33	PASS
N5	15	20	DFT-QPSK	M	0.15	30	1@1	-60.19	-23	PASS
N5	15	20	DFT-QPSK	M	30	1000	1@1	-41.96	-13	PASS
N5	15	20	DFT-QPSK	M	1000	3000	1@1	-39.03	-13	PASS
N5	15	20	DFT-QPSK	M	3000	12000	1@1	-47.08	-13	PASS
N5	15	20	DFT-QPSK	M	12000	20000	1@1	-44.33	-13	PASS
N5	15	20	DFT-QPSK	H	0.009	0.15	1@1	-65.34	-33	PASS
N5	15	20	DFT-QPSK	H	0.15	30	1@1	-62.31	-23	PASS
N5	15	20	DFT-QPSK	H	30	1000	1@1	-41.36	-13	PASS
N5	15	20	DFT-QPSK	H	1000	3000	1@1	-39.11	-13	PASS
N5	15	20	DFT-QPSK	H	3000	12000	1@1	-47.03	-13	PASS
N5	15	20	DFT-QPSK	H	12000	20000	1@1	-44.12	-13	PASS



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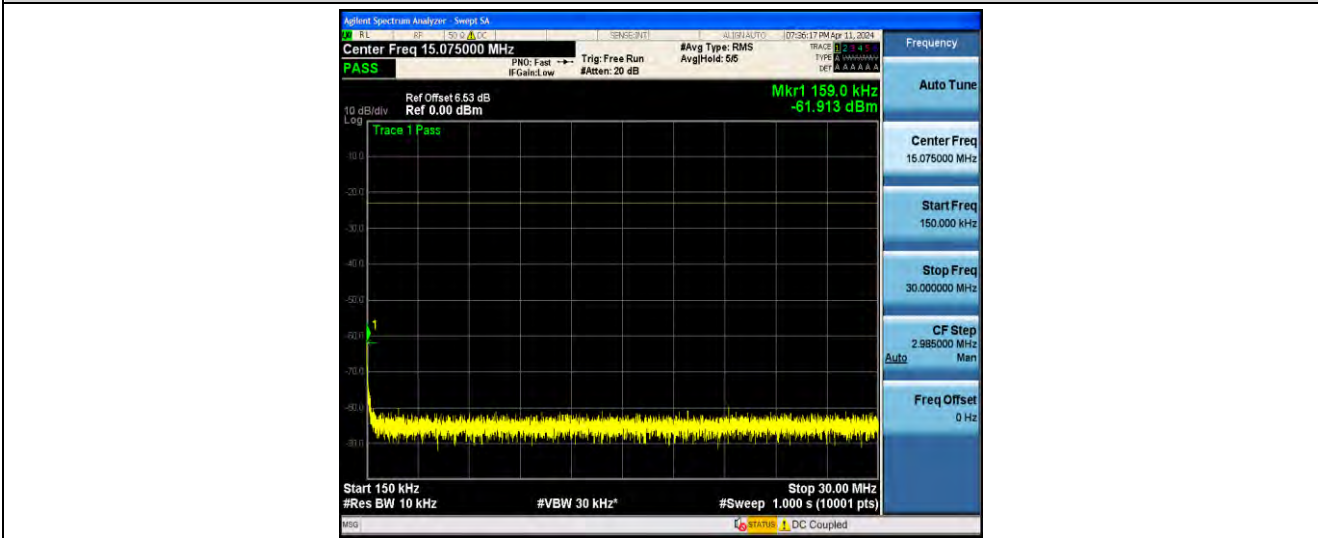
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Test Graphs



1-N5-PC3-15-20-L-1-NS_01-DFT-QPSK-Inner_1RB_Left-1@1-0.009-0.15-ANT1-0.01--66.00--33-PASS



1-N5-PC3-15-20-L-1-NS_01-DFT-QPSK-Inner_1RB_Left-1@1-0.15-30-ANT1-0.16--61.91--23-PASS



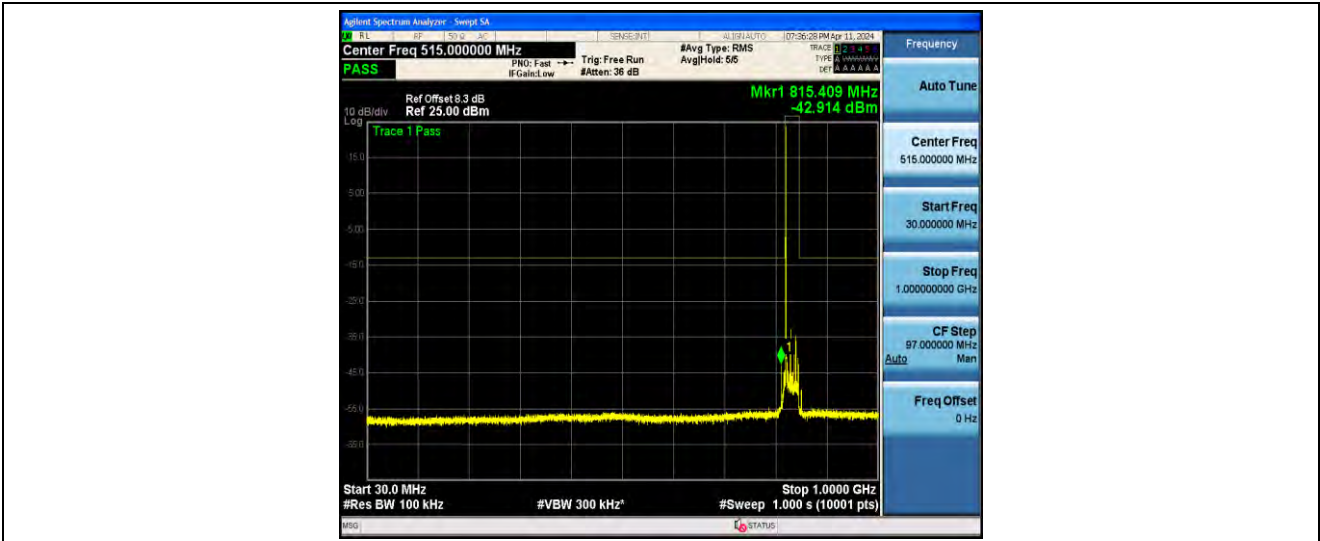
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1-N5-PC3-15-20-L-1-NS_01-DFT-QPSK-Inner_1RB_Left-1@1-1000-3000-ANT1-2680.00--39.15--13-PASS



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1-N5-PC3-15-20-L-1-NS_01-DFT-QPSK-Inner_1RB_Left-1@1-3000-12000-ANT1-5897.55--47.15--13-PASS



1-N5-PC3-15-20-L-1-NS_01-DFT-QPSK-Inner_1RB_Left-1@1-12000-20000-ANT1-18780.00--44.04--13-PA

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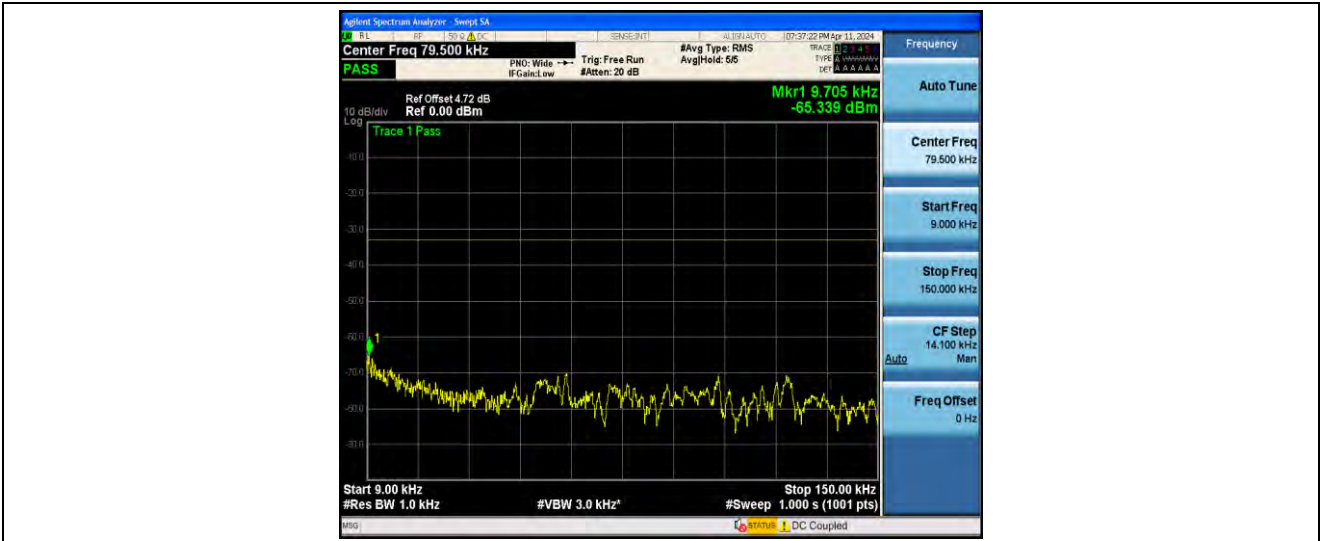
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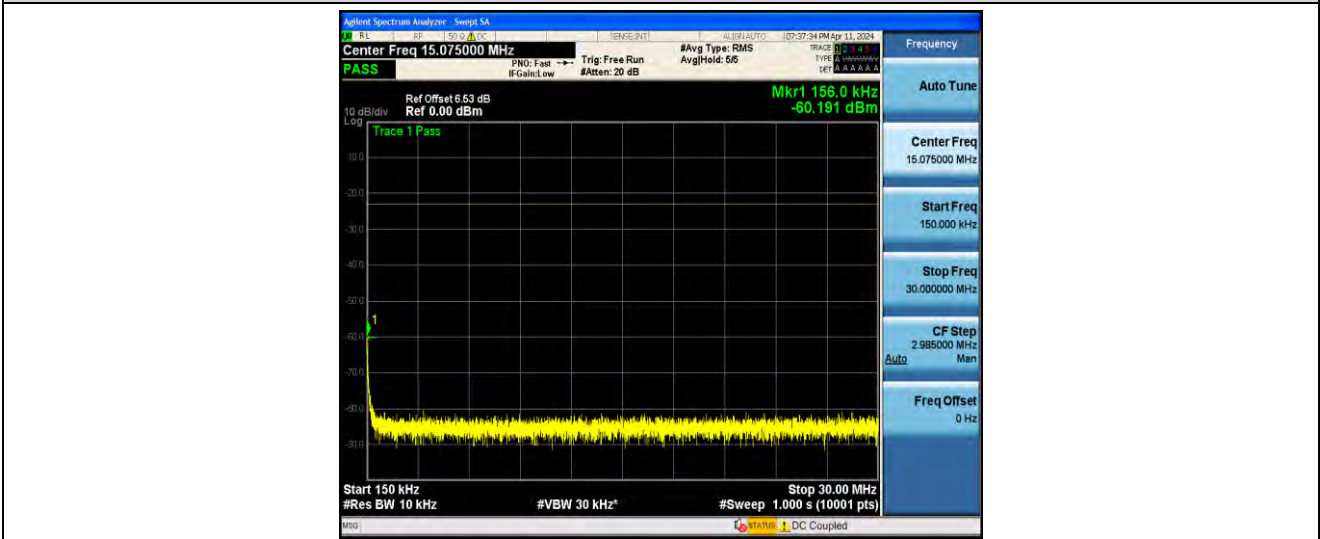


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1-N5-PC3-15-20-M-1-NS_01-DFT-QPSK-Inner_1RB_Left-1@1-0.15-30-ANT1-0.16--60.19--23-PASS



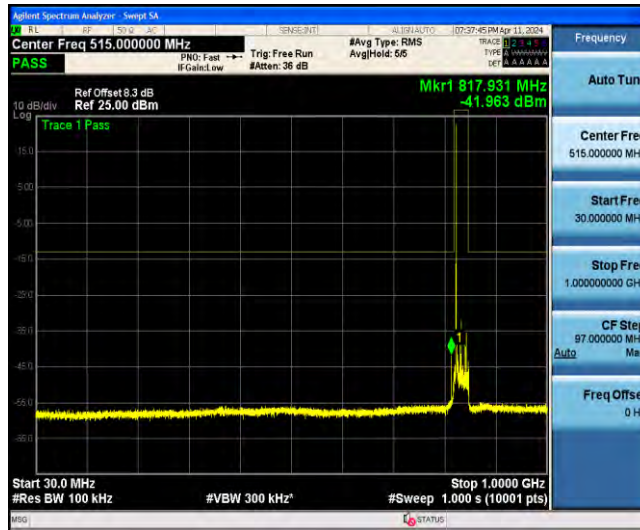
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1-N5-PC3-15-20-M-1-NS_01-DFT-QPSK-Inner_1RB_Left-1@1-30-1000-ANT1-817.93--41.96--13-PASS



1-N5-PC3-15-20-M-1-NS_01-DFT-QPSK-Inner_1RB_Left-1@1-1000-3000-ANT1-2666.80--39.03--13-PASS



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1-N5-PC3-15-20-M-1-NS_01-DFT-QPSK-Inner_1RB_Left-1@1-3000-12000-ANT1-5415.60--47.08--13-PAS
 S



1-N5-PC3-15-20-M-1-NS_01-DFT-QPSK-Inner_1RB_Left-1@1-12000-20000-ANT1-18843.20--44.33--13-PA
 SS



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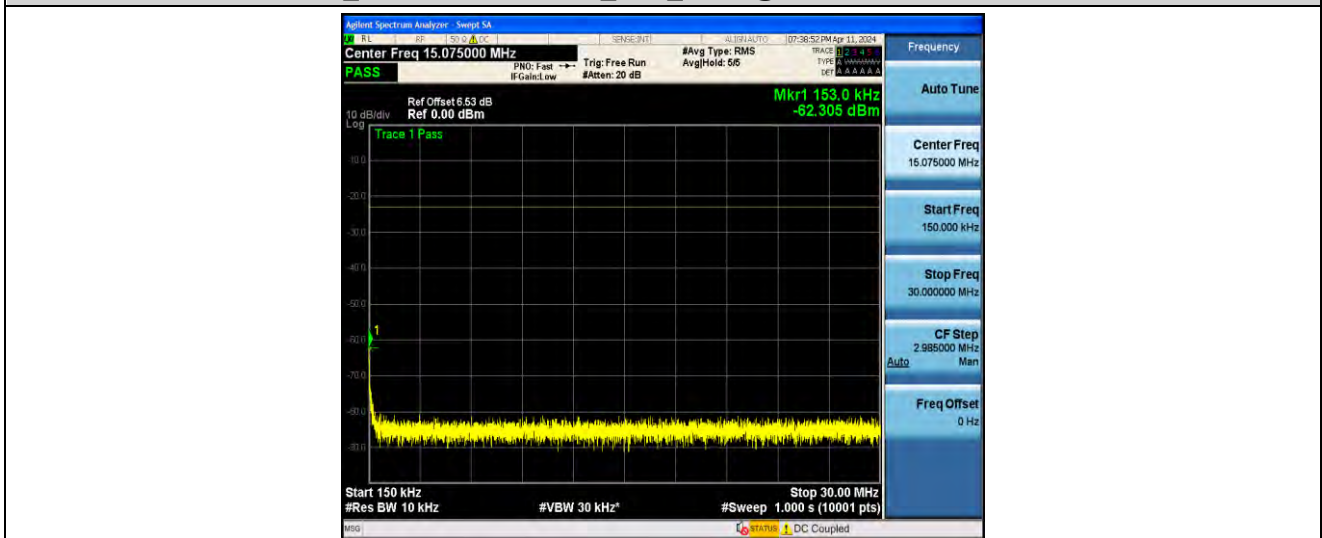


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1-N5-PC3-15-20-H-1-NS_01-DFT-QPSK-Inner_1RB_Left-1@1-0.009-0.15-ANT1-0.01--65.34--33-PASS



1-N5-PC3-15-20-H-1-NS_01-DFT-QPSK-Inner_1RB_Left-1@1-0.15-30-ANT1-0.15--62.31--23-PASS



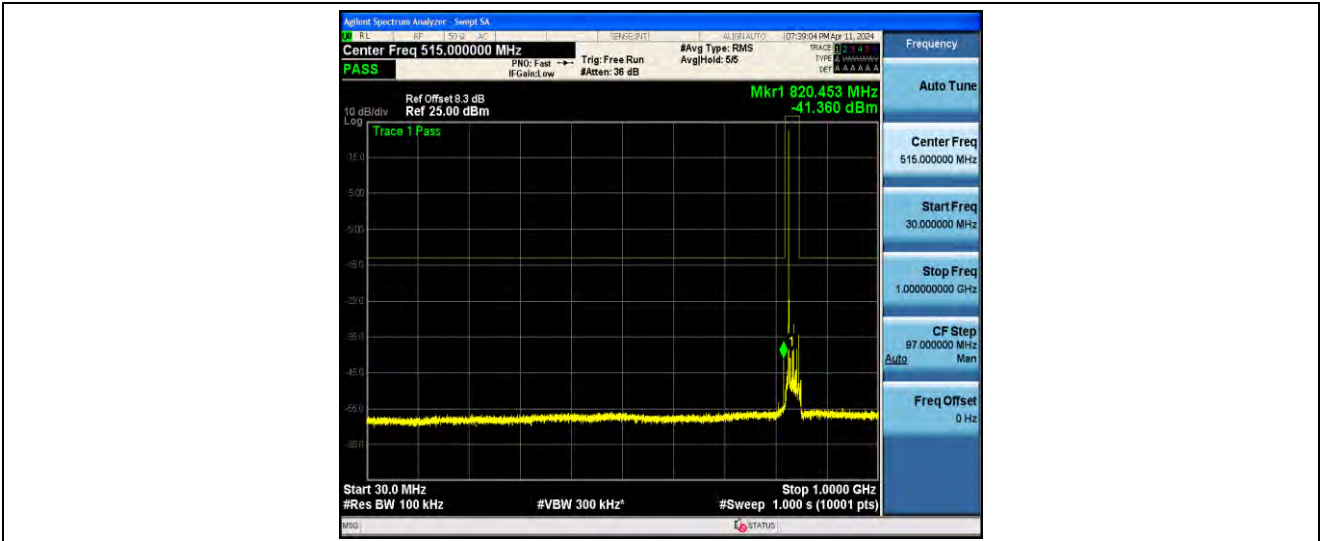
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1-N5-PC3-15-20-H-1-NS_01-DFT-QPSK-Inner_1RB_Left-1@1-30-1000-ANT1-820.45--41.36--13-PASS



1-N5-PC3-15-20-H-1-NS_01-DFT-QPSK-Inner_1RB_Left-1@1-1000-3000-ANT1-2660.60--39.11--13-PASS



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1-N5-PC3-15-20-H-1-NS_01-DFT-QPSK-Inner_1RB_Left-1@1-3000-12000-ANT1-5866.95--47.03--13-PASS



1-N5-PC3-15-20-H-1-NS_01-DFT-QPSK-Inner_1RB_Left-1@1-12000-20000-ANT1-18724.00--44.12--13-PA

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Field Strength of Spurious Radiation

Test Band = n5 ANT0_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	45.26	24.90	-48.84	-73.94	-13.00	60.94	Horizontal
2	2475.0000	44.29	27.34	-47.88	-71.51	-13.00	58.51	Horizontal
3	3300.0000	44.71	28.66	-47.15	-69.04	-13.00	56.04	Horizontal
4	4125.0000	44.10	29.68	-47.49	-68.97	-13.00	55.97	Horizontal
5	4850.0000	44.23	31.04	-46.98	-66.97	-13.00	53.97	Horizontal
6	5775.0000	43.65	32.49	-46.97	-66.09	-13.00	53.09	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	45.43	24.90	-48.84	-73.77	-13.00	60.77	Vertical
2	2475.0000	44.05	27.34	-47.88	-71.75	-13.00	58.75	Vertical
3	3300.0000	44.25	28.66	-47.15	-69.50	-13.00	56.50	Vertical
4	4125.0000	43.44	29.68	-47.49	-69.63	-13.00	56.63	Vertical
5	4850.0000	44.69	31.04	-46.98	-66.51	-13.00	53.51	Vertical
6	5775.0000	43.95	32.49	-46.97	-65.79	-13.00	52.79	Vertical



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Test Band = n5 ANT0_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	45.15	24.91	-48.84	-74.04	-13.00	61.04	Horizontal
2	2482.5000	44.25	27.36	-47.84	-71.49	-13.00	58.49	Horizontal
3	3310.0000	44.33	28.66	-47.17	-69.44	-13.00	56.44	Horizontal
4	4137.5000	43.74	29.69	-47.42	-69.25	-13.00	56.25	Horizontal
5	4965.0000	43.57	31.32	-46.97	-67.34	-13.00	54.34	Horizontal
6	5792.5000	44.14	32.48	-46.99	-65.63	-13.00	52.63	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	45.04	24.91	-48.84	-74.15	-13.00	61.15	Vertical
2	2482.5000	44.51	27.36	-47.84	-71.23	-13.00	58.23	Vertical
3	3310.0000	44.18	28.66	-47.17	-69.59	-13.00	56.59	Vertical
4	4137.5000	43.92	29.69	-47.42	-69.07	-13.00	56.07	Vertical
5	4965.0000	43.77	31.32	-46.97	-67.14	-13.00	54.14	Vertical
6	5792.5000	43.75	32.48	-46.99	-66.02	-13.00	53.02	Vertical



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Test Band = n5 ANT0_TM1
Test Channel = high

Final Data List								
NO.	Frequency [MHz]	Reading [dB μ V]	AF [dB/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1660.0000	45.11	24.92	-48.83	-74.06	-13.00	61.06	Horizontal
2	2490.0000	44.95	27.38	-47.80	-70.73	-13.00	57.73	Horizontal
3	3320.0000	44.02	28.66	-47.19	-69.77	-13.00	56.77	Horizontal
4	4150.0000	43.78	29.71	-47.36	-69.13	-13.00	56.13	Horizontal
5	4980.0000	44.28	31.35	-46.96	-66.59	-13.00	53.59	Horizontal
6	5810.0000	43.83	32.48	-46.91	-65.86	-13.00	52.86	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dB μ V]	AF [dB/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1660.0000	45.53	24.92	-48.83	-73.64	-13.00	60.64	Vertical
2	2490.0000	44.55	27.38	-47.80	-71.13	-13.00	58.13	Vertical
3	3320.0000	44.24	28.66	-47.19	-69.55	-13.00	56.55	Vertical
4	4150.0000	44.35	29.71	-47.36	-68.56	-13.00	55.56	Vertical
5	4980.0000	44.01	31.35	-46.96	-66.86	-13.00	53.86	Vertical
6	5810.0000	43.39	32.48	-46.91	-66.30	-13.00	53.30	Vertical



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Test Band = 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	47.52	24.90	-48.84	-71.68	-13.00	58.68	Horizontal
2	2475.0000	50.07	27.34	-47.88	-65.73	-13.00	52.73	Horizontal
3	3300.0000	44.12	28.66	-46.97	-69.45	-13.00	56.45	Horizontal
4	4125.0000	43.66	29.68	-47.17	-69.09	-13.00	56.09	Horizontal
5	4950.0000	44.08	31.28	-47.09	-66.99	-13.00	53.99	Horizontal
6	5775.0000	43.62	32.49	-46.90	-66.05	-13.00	53.05	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	47.44	24.90	-48.84	-71.76	-13.00	58.76	Vertical
2	2475.0000	47.32	27.34	-47.88	-68.48	-13.00	55.48	Vertical
3	3300.0000	44.35	28.66	-46.97	-69.22	-13.00	56.22	Vertical
4	4125.0000	43.99	29.68	-47.17	-68.76	-13.00	55.76	Vertical
5	4950.0000	43.84	31.28	-47.09	-67.23	-13.00	54.23	Vertical
6	5775.0000	43.98	32.49	-46.90	-65.69	-13.00	52.69	Vertical



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Test Band = 7A_n5A_TM1
Test Channel = mid

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1654.3676	48.87	24.91	-48.84	-70.32	-13.00	57.32	Horizontal
2	2482.5000	47.03	27.36	-47.84	-68.71	-13.00	55.71	Horizontal
3	3310.0000	44.06	28.66	-46.98	-69.52	-13.00	56.52	Horizontal
4	4137.5000	44.11	29.69	-47.13	-68.59	-13.00	55.59	Horizontal
5	4965.0000	43.64	31.32	-47.12	-67.42	-13.00	54.42	Horizontal
6	5792.5000	43.69	32.48	-46.93	-66.02	-13.00	53.02	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1655.0000	47.19	24.91	-48.84	-72.00	-13.00	59.00	Vertical
2	2482.5000	47.67	27.36	-47.84	-68.07	-13.00	55.07	Vertical
3	3310.0000	43.94	28.66	-46.98	-69.64	-13.00	56.64	Vertical
4	4137.5000	44.06	29.69	-47.13	-68.64	-13.00	55.64	Vertical
5	4965.0000	44.13	31.32	-47.12	-66.93	-13.00	53.93	Vertical
6	5792.5000	43.63	32.48	-46.93	-66.08	-13.00	53.08	Vertical



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中国·广东·深圳市南山区科技园中区M-10栋1号厂房 邮编: 518057 t (86-755) 26012053 sgs.china@sgs.com



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Test Band = 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	47.40	24.92	-48.83	-71.77	-13.00	58.77	Horizontal
2	2490.0000	47.35	27.38	-47.81	-68.34	-13.00	55.34	Horizontal
3	3320.0000	44.09	28.66	-46.98	-69.49	-13.00	56.49	Horizontal
4	4150.0000	44.55	29.71	-47.08	-68.08	-13.00	55.08	Horizontal
5	4980.0000	43.69	31.35	-47.15	-67.37	-13.00	54.37	Horizontal
6	5810.0000	43.48	32.48	-46.95	-66.25	-13.00	53.25	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1660.0000	47.35	24.92	-48.83	-71.82	-13.00	58.82	Vertical
2	2490.0000	48.74	27.38	-47.81	-66.95	-13.00	53.95	Vertical
3	3320.0000	44.28	28.66	-46.98	-69.30	-13.00	56.30	Vertical
4	4150.0000	44.01	29.71	-47.08	-68.62	-13.00	55.62	Vertical
5	4980.0000	43.78	31.35	-47.15	-67.28	-13.00	54.28	Vertical
6	5810.0000	43.67	32.48	-46.95	-66.06	-13.00	53.06	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-QPSK	M	100@0	VH	NT	-9.60	-0.01	±2.5	PASS
N5	15	20	DFT-QPSK	M	100@0	VN	NT	-7.80	-0.01	±2.5	PASS
N5	15	20	DFT-QPSK	M	100@0	VL	NT	-6.00	-0.01	±2.5	PASS
N5	15	20	CP-QPSK	M	106@0	VH	NT	-8.50	-0.01	±2.5	PASS
N5	15	20	CP-QPSK	M	106@0	VN	NT	-8.30	-0.01	±2.5	PASS
N5	15	20	CP-QPSK	M	106@0	VL	NT	-8.40	-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-QPSK	M	100@0	NV	50	-8.200000	-0.009803	±2.5	PASS
N5	15	20	DFT-QPSK	M	100@0	NV	-20	-8.800000	-0.010520	±2.5	PASS
N5	15	20	DFT-QPSK	M	100@0	NV	-10	-8.100000	-0.009683	±2.5	PASS
N5	15	20	DFT-QPSK	M	100@0	NV	0	-8.800000	-0.010520	±2.5	PASS
N5	15	20	DFT-QPSK	M	100@0	NV	10	-10.600000	-0.012672	±2.5	PASS
N5	15	20	DFT-QPSK	M	100@0	NV	20	-7.200000	-0.008607	±2.5	PASS
N5	15	20	DFT-QPSK	M	100@0	NV	30	-6.700000	-0.008010	±2.5	PASS
N5	15	20	DFT-QPSK	M	100@0	NV	-30	-6.900000	-0.008249	±2.5	PASS
N5	15	20	DFT-QPSK	M	100@0	NV	40	-7.900000	-0.009444	±2.5	PASS
N5	15	20	CP-QPSK	M	106@0	NV	50	-8.000000	-0.009564	±2.5	PASS
N5	15	20	CP-QPSK	M	106@0	NV	-20	-6.300000	-0.007531	±2.5	PASS
N5	15	20	CP-QPSK	M	106@0	NV	-10	-8.900000	-0.010640	±2.5	PASS
N5	15	20	CP-QPSK	M	106@0	NV	0	-6.600000	-0.007890	±2.5	PASS
N5	15	20	CP-QPSK	M	106@0	NV	10	-7.200000	-0.008607	±2.5	PASS
N5	15	20	CP-QPSK	M	106@0	NV	20	-8.200000	-0.009803	±2.5	PASS
N5	15	20	CP-QPSK	M	106@0	NV	30	-8.900000	-0.010640	±2.5	PASS
N5	15	20	CP-QPSK	M	106@0	NV	40	-8.600000	-0.010281	±2.5	PASS
N5	15	20	CP-QPSK	M	106@0	NV	-30	-8.900000	-0.010640	±2.5	PASS

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