Appendix-A LTE CA_5B

Effective (Isotropic) Radiated Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dBm)	ERP (dBm)	Limit (dBm)	Verdict
5-5	10MHz-5MHz	QPSK-QPSK	20450-20522	1RB#0-0RB#0	24.67	23.84	38.45	PASS
5-5	10MHz-5MHz	QPSK-QPSK	20450-20522	12RB#0-0RB#0	23.38	22.55	38.45	PASS
5-5	10MHz-5MHz	QPSK-QPSK	20450-20522	1RB#49-0RB#0	24.42	23.59	38.45	PASS
5-5	10MHz-5MHz	QPSK-QPSK	20450-20522	50RB#0-25RB#0	21.79	20.96	38.45	PASS
5-5	10MHz-5MHz	QPSK-QPSK	20500-20572	1RB#0-0RB#0	24.35	23.52	38.45	PASS
5-5	10MHz-5MHz	QPSK-QPSK	20500-20572	12RB#0-0RB#0	23.35	22.52	38.45	PASS
5-5	10MHz-5MHz	QPSK-QPSK	20500-20572	1RB#49-0RB#0	24.08	23.25	38.45	PASS
5-5	10MHz-5MHz	QPSK-QPSK	20500-20572	50RB#0-25RB#0	21.31	20.48	38.45	PASS
5-5	10MHz-5MHz	QPSK-QPSK	20550-20622	1RB#0-0RB#0	24.29	23.46	38.45	PASS
5-5	10MHz-5MHz	QPSK-QPSK	20550-20622	12RB#0-0RB#0	23.24	22.41	38.45	PASS
5-5	10MHz-5MHz	QPSK-QPSK	20550-20622	1RB#49-0RB#0	24.05	23.22	38.45	PASS
5-5	10MHz-5MHz	QPSK-QPSK	20550-20622	50RB#0-25RB#0	21.36	20.53	38.45	PASS
5-5	10MHz-5MHz	16QAM-16QAM	20450-20522	1RB#0-0RB#0	23.96	23.13	38.45	PASS
5-5	10MHz-5MHz	16QAM-16QAM	20450-20522	12RB#0-0RB#0	22.47	21.64	38.45	PASS
5-5	10MHz-5MHz	16QAM-16QAM	20450-20522	1RB#49-0RB#0	23.63	22.8	38.45	PASS
5-5	10MHz-5MHz	16QAM-16QAM	20450-20522	50RB#0-25RB#0	20.91	20.08	38.45	PASS
5-5	10MHz-5MHz	16QAM-16QAM	20500-20572	1RB#0-0RB#0	23.67	22.84	38.45	PASS
5-5	10MHz-5MHz	16QAM-16QAM	20500-20572	12RB#0-0RB#0	22.39	21.56	38.45	PASS
5-5	10MHz-5MHz	16QAM-16QAM	20500-20572	1RB#49-0RB#0	23.62	22.79	38.45	PASS
5-5	10MHz-5MHz	16QAM-16QAM	20500-20572	50RB#0-25RB#0	20.33	19.5	38.45	PASS
5-5	10MHz-5MHz	16QAM-16QAM	20550-20622	1RB#0-0RB#0	23.8	22.97	38.45	PASS
5-5	10MHz-5MHz	16QAM-16QAM	20550-20622	12RB#0-0RB#0	22.29	21.46	38.45	PASS
5-5	10MHz-5MHz	16QAM-16QAM	20550-20622	1RB#49-0RB#0	23.54	22.71	38.45	PASS
5-5	10MHz-5MHz	16QAM-16QAM	20550-20622	50RB#0-25RB#0	20.51	19.68	38.45	PASS

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5-5	10MHz-5MHz	64QAM-64QAM	20450-20522	1RB#0-0RB#0	21.85	21.02	38.45	PASS
5-5	10MHz-5MHz	64QAM-64QAM	20450-20522	12RB#0-0RB#0	21.53	20.7	38.45	PASS
5-5	10MHz-5MHz	64QAM-64QAM	20450-20522	1RB#49-0RB#0	21.53	20.7	38.45	PASS
5-5	10MHz-5MHz	64QAM-64QAM	20450-20522	50RB#0-25RB#0	20.57	19.74	38.45	PASS
5-5	10MHz-5MHz	64QAM-64QAM	20500-20572	1RB#0-0RB#0	22.89	22.06	38.45	PASS
5-5	10MHz-5MHz	64QAM-64QAM	20500-20572	12RB#0-0RB#0	21.5	20.67	38.45	PASS
5-5	10MHz-5MHz	64QAM-64QAM	20500-20572	1RB#49-0RB#0	22.56	21.73	38.45	PASS
5-5	10MHz-5MHz	64QAM-64QAM	20500-20572	50RB#0-25RB#0	20.23	19.4	38.45	PASS
5-5	10MHz-5MHz	64QAM-64QAM	20550-20622	1RB#0-0RB#0	22.7	21.87	38.45	PASS
5-5	10MHz-5MHz	64QAM-64QAM	20550-20622	12RB#0-0RB#0	21.34	20.51	38.45	PASS
5-5	10MHz-5MHz	64QAM-64QAM	20550-20622	1RB#49-0RB#0	22.49	21.66	38.45	PASS
5-5	10MHz-5MHz	64QAM-64QAM	20550-20622	50RB#0-25RB#0	20.42	19.59	38.45	PASS
5-5	10MHz-5MHz	256QAM-256QAM	20450-20522	1RB#0-0RB#0	19.55	18.72	38.45	PASS
5-5	10MHz-5MHz	256QAM-256QAM	20450-20522	12RB#0-0RB#0	19.38	18.55	38.45	PASS
5-5	10MHz-5MHz	256QAM-256QAM	20450-20522	1RB#49-0RB#0	19.44	18.61	38.45	PASS
5-5	10MHz-5MHz	256QAM-256QAM	20450-20522	50RB#0-25RB#0	18.29	17.46	38.45	PASS
5-5	10MHz-5MHz	256QAM-256QAM	20500-20572	1RB#0-0RB#0	19.52	18.69	38.45	PASS
5-5	10MHz-5MHz	256QAM-256QAM	20500-20572	12RB#0-0RB#0	19.34	18.51	38.45	PASS
5-5	10MHz-5MHz	256QAM-256QAM	20500-20572	1RB#49-0RB#0	19.3	18.47	38.45	PASS
5-5	10MHz-5MHz	256QAM-256QAM	20500-20572	50RB#0-25RB#0	18.63	17.8	38.45	PASS
5-5	10MHz-5MHz	256QAM-256QAM	20550-20622	1RB#0-0RB#0	19.58	18.75	38.45	PASS
5-5	10MHz-5MHz	256QAM-256QAM	20550-20622	12RB#0-0RB#0	19.25	18.42	38.45	PASS
5-5	10MHz-5MHz	256QAM-256QAM	20550-20622	1RB#49-0RB#0	19.27	18.44	38.45	PASS
5-5	10MHz-5MHz	256QAM-256QAM	20550-20622	50RB#0-25RB#0	18.06	17.23	38.45	PASS
5-5	5MHz-10MHz	QPSK-QPSK	20428-20500	1RB#0-0RB#0	24.59	23.76	38.45	PASS
5-5	5MHz-10MHz	QPSK-QPSK	20428-20500	8RB#0-0RB#0	24.35	23.52	38.45	PASS
5-5	5MHz-10MHz	QPSK-QPSK	20428-20500	1RB#24-0RB#0	24.24	23.41	38.45	PASS
5-5	5MHz-10MHz	QPSK-QPSK	20428-20500	25RB#0-50RB#0	21.49	20.66	38.45	PASS
5-5	5MHz-10MHz	QPSK-QPSK	20478-20550	1RB#0-0RB#0	24.31	23.48	38.45	PASS
5-5	5MHz-10MHz	QPSK-QPSK	20478-20550	8RB#0-0RB#0	24.31	23.48	38.45	PASS

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5-5	5MHz-10MHz	QPSK-QPSK	20478-20550	1RB#24-0RB#0	24.11	23.28	38.45	PASS
5-5	5MHz-10MHz	QPSK-QPSK	20478-20550	25RB#0-50RB#0	21.65	20.82	38.45	PASS
5-5	5MHz-10MHz	QPSK-QPSK	20528-20600	1RB#0-0RB#0	24.21	23.38	38.45	PASS
5-5	5MHz-10MHz	QPSK-QPSK	20528-20600	8RB#0-0RB#0	24.26	23.43	38.45	PASS
5-5	5MHz-10MHz	QPSK-QPSK	20528-20600	1RB#24-0RB#0	24.11	23.28	38.45	PASS
5-5	5MHz-10MHz	QPSK-QPSK	20528-20600	25RB#0-50RB#0	21.42	20.59	38.45	PASS
5-5	5MHz-10MHz	16QAM-16QAM	20428-20500	1RB#0-0RB#0	23.79	22.96	38.45	PASS
5-5	5MHz-10MHz	16QAM-16QAM	20428-20500	8RB#0-0RB#0	23.45	22.62	38.45	PASS
5-5	5MHz-10MHz	16QAM-16QAM	20428-20500	1RB#24-0RB#0	23.71	22.88	38.45	PASS
5-5	5MHz-10MHz	16QAM-16QAM	20428-20500	25RB#0-50RB#0	20.63	19.8	38.45	PASS
5-5	5MHz-10MHz	16QAM-16QAM	20478-20550	1RB#0-0RB#0	23.7	22.87	38.45	PASS
5-5	5MHz-10MHz	16QAM-16QAM	20478-20550	8RB#0-0RB#0	23.42	22.59	38.45	PASS
5-5	5MHz-10MHz	16QAM-16QAM	20478-20550	1RB#24-0RB#0	23.52	22.69	38.45	PASS
5-5	5MHz-10MHz	16QAM-16QAM	20478-20550	25RB#0-50RB#0	20.79	19.96	38.45	PASS
5-5	5MHz-10MHz	16QAM-16QAM	20528-20600	1RB#0-0RB#0	23.79	22.96	38.45	PASS
5-5	5MHz-10MHz	16QAM-16QAM	20528-20600	8RB#0-0RB#0	23.27	22.44	38.45	PASS
5-5	5MHz-10MHz	16QAM-16QAM	20528-20600	1RB#24-0RB#0	23.69	22.86	38.45	PASS
5-5	5MHz-10MHz	16QAM-16QAM	20528-20600	25RB#0-50RB#0	20.58	19.75	38.45	PASS
5-5	5MHz-10MHz	64QAM-64QAM	20428-20500	1RB#0-0RB#0	22.7	21.87	38.45	PASS
5-5	5MHz-10MHz	64QAM-64QAM	20428-20500	8RB#0-0RB#0	22.52	21.69	38.45	PASS
5-5	5MHz-10MHz	64QAM-64QAM	20428-20500	1RB#24-0RB#0	22.62	21.79	38.45	PASS
5-5	5MHz-10MHz	64QAM-64QAM	20428-20500	25RB#0-50RB#0	20.78	19.95	38.45	PASS
5-5	5MHz-10MHz	64QAM-64QAM	20478-20550	1RB#0-0RB#0	22.77	21.94	38.45	PASS
5-5	5MHz-10MHz	64QAM-64QAM	20478-20550	8RB#0-0RB#0	22.48	21.65	38.45	PASS
5-5	5MHz-10MHz	64QAM-64QAM	20478-20550	1RB#24-0RB#0	22.66	21.83	38.45	PASS
5-5	5MHz-10MHz	64QAM-64QAM	20478-20550	25RB#0-50RB#0	20.17	19.34	38.45	PASS
5-5	5MHz-10MHz	64QAM-64QAM	20528-20600	1RB#0-0RB#0	22.73	21.9	38.45	PASS
5-5	5MHz-10MHz	64QAM-64QAM	20528-20600	8RB#0-0RB#0	22.38	21.55	38.45	PASS
5-5	5MHz-10MHz	64QAM-64QAM	20528-20600	1RB#24-0RB#0	22.46	21.63	38.45	PASS
5-5	5MHz-10MHz	64QAM-64QAM	20528-20600	25RB#0-50RB#0	20.29	19.46	38.45	PASS

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5-5	5MHz-10MHz	256QAM-256QAM	20428-20500	1RB#0-0RB#0	19.41	18.58	38.45	PASS
5-5	5MHz-10MHz	256QAM-256QAM	20428-20500	8RB#0-0RB#0	19.4	18.57	38.45	PASS
5-5	5MHz-10MHz	256QAM-256QAM	20428-20500	1RB#24-0RB#0	19.48	18.65	38.45	PASS
5-5	5MHz-10MHz	256QAM-256QAM	20428-20500	25RB#0-50RB#0	18.51	17.68	38.45	PASS
5-5	5MHz-10MHz	256QAM-256QAM	20478-20550	1RB#0-0RB#0	19.62	18.79	38.45	PASS
5-5	5MHz-10MHz	256QAM-256QAM	20478-20550	8RB#0-0RB#0	19.39	18.56	38.45	PASS
5-5	5MHz-10MHz	256QAM-256QAM	20478-20550	1RB#24-0RB#0	19.41	18.58	38.45	PASS
5-5	5MHz-10MHz	256QAM-256QAM	20478-20550	25RB#0-50RB#0	18.6	17.77	38.45	PASS
5-5	5MHz-10MHz	256QAM-256QAM	20528-20600	1RB#0-0RB#0	19.4	18.57	38.45	PASS
5-5	5MHz-10MHz	256QAM-256QAM	20528-20600	8RB#0-0RB#0	19.25	18.42	38.45	PASS
5-5	5MHz-10MHz	256QAM-256QAM	20528-20600	1RB#24-0RB#0	19.26	18.43	38.45	PASS
5-5	5MHz-10MHz	256QAM-256QAM	20528-20600	25RB#0-50RB#0	18.25	17.42	38.45	PASS
5-5	10MHz-10MHz	QPSK-QPSK	20450-20549	1RB#0-0RB#0	24.36	23.53	38.45	PASS
5-5	10MHz-10MHz	QPSK-QPSK	20450-20549	12RB#0-0RB#0	24.29	23.46	38.45	PASS
5-5	10MHz-10MHz	QPSK-QPSK	20450-20549	1RB#49-0RB#0	24.17	23.34	38.45	PASS
5-5	10MHz-10MHz	QPSK-QPSK	20450-20549	50RB#0-50RB#0	21.35	20.52	38.45	PASS
5-5	10MHz-10MHz	QPSK-QPSK	20476-20575	1RB#0-0RB#0	24.21	23.38	38.45	PASS
5-5	10MHz-10MHz	QPSK-QPSK	20476-20575	12RB#0-0RB#0	24.25	23.42	38.45	PASS
5-5	10MHz-10MHz	QPSK-QPSK	20476-20575	1RB#49-0RB#0	24.07	23.24	38.45	PASS
5-5	10MHz-10MHz	QPSK-QPSK	20476-20575	50RB#0-50RB#0	21.12	20.29	38.45	PASS
5-5	10MHz-10MHz	QPSK-QPSK	20501-20600	1RB#0-0RB#0	24.52	23.69	38.45	PASS
5-5	10MHz-10MHz	QPSK-QPSK	20501-20600	12RB#0-0RB#0	24.23	23.4	38.45	PASS
5-5	10MHz-10MHz	QPSK-QPSK	20501-20600	1RB#49-0RB#0	24.35	23.52	38.45	PASS
5-5	10MHz-10MHz	QPSK-QPSK	20501-20600	50RB#0-50RB#0	21.42	20.59	38.45	PASS
5-5	10MHz-10MHz	16QAM-16QAM	20450-20549	1RB#0-0RB#0	23.77	22.94	38.45	PASS
5-5	10MHz-10MHz	16QAM-16QAM	20450-20549	12RB#0-0RB#0	23.35	22.52	38.45	PASS
5-5	10MHz-10MHz	16QAM-16QAM	20450-20549	1RB#49-0RB#0	23.75	22.92	38.45	PASS
5-5	10MHz-10MHz	16QAM-16QAM	20450-20549	50RB#0-50RB#0	20.49	19.66	38.45	PASS
5-5	10MHz-10MHz	16QAM-16QAM	20476-20575	1RB#0-0RB#0	23.75	22.92	38.45	PASS
5-5	10MHz-10MHz	16QAM-16QAM	20476-20575	12RB#0-0RB#0	23.26	22.43	38.45	PASS

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5-5	10MHz-10MHz	16QAM-16QAM	20476-20575	1RB#49-0RB#0	23.59	22.76	38.45	PASS
5-5	10MHz-10MHz	16QAM-16QAM	20476-20575	50RB#0-50RB#0	20.28	19.45	38.45	PASS
5-5	10MHz-10MHz	16QAM-16QAM	20501-20600	1RB#0-0RB#0	23.62	22.79	38.45	PASS
5-5	10MHz-10MHz	16QAM-16QAM	20501-20600	12RB#0-0RB#0	23.3	22.47	38.45	PASS
5-5	10MHz-10MHz	16QAM-16QAM	20501-20600	1RB#49-0RB#0	23.47	22.64	38.45	PASS
5-5	10MHz-10MHz	16QAM-16QAM	20501-20600	50RB#0-50RB#0	20.55	19.72	38.45	PASS
5-5	10MHz-10MHz	64QAM-64QAM	20450-20549	1RB#0-0RB#0	22.65	21.82	38.45	PASS
5-5	10MHz-10MHz	64QAM-64QAM	20450-20549	12RB#0-0RB#0	22.43	21.6	38.45	PASS
5-5	10MHz-10MHz	64QAM-64QAM	20450-20549	1RB#49-0RB#0	22.66	21.83	38.45	PASS
5-5	10MHz-10MHz	64QAM-64QAM	20450-20549	50RB#0-50RB#0	20.62	19.79	38.45	PASS
5-5	10MHz-10MHz	64QAM-64QAM	20476-20575	1RB#0-0RB#0	22.71	21.88	38.45	PASS
5-5	10MHz-10MHz	64QAM-64QAM	20476-20575	12RB#0-0RB#0	22.37	21.54	38.45	PASS
5-5	10MHz-10MHz	64QAM-64QAM	20476-20575	1RB#49-0RB#0	22.55	21.72	38.45	PASS
5-5	10MHz-10MHz	64QAM-64QAM	20476-20575	50RB#0-50RB#0	20.28	19.45	38.45	PASS
5-5	10MHz-10MHz	64QAM-64QAM	20501-20600	1RB#0-0RB#0	22.63	21.8	38.45	PASS
5-5	10MHz-10MHz	64QAM-64QAM	20501-20600	12RB#0-0RB#0	22.35	21.52	38.45	PASS
5-5	10MHz-10MHz	64QAM-64QAM	20501-20600	1RB#49-0RB#0	22.46	21.63	38.45	PASS
5-5	10MHz-10MHz	64QAM-64QAM	20501-20600	50RB#0-50RB#0	20.68	19.85	38.45	PASS
5-5	10MHz-10MHz	256QAM-256QAM	20450-20549	1RB#0-0RB#0	19.66	18.83	38.45	PASS
5-5	10MHz-10MHz	256QAM-256QAM	20450-20549	12RB#0-0RB#0	19.35	18.52	38.45	PASS
5-5	10MHz-10MHz	256QAM-256QAM	20450-20549	1RB#49-0RB#0	19.45	18.62	38.45	PASS
5-5	10MHz-10MHz	256QAM-256QAM	20450-20549	50RB#0-50RB#0	18.34	17.51	38.45	PASS
5-5	10MHz-10MHz	256QAM-256QAM	20476-20575	1RB#0-0RB#0	19.58	18.75	38.45	PASS
5-5	10MHz-10MHz	256QAM-256QAM	20476-20575	12RB#0-0RB#0	19.39	18.56	38.45	PASS
5-5	10MHz-10MHz	256QAM-256QAM	20476-20575	1RB#49-0RB#0	19.39	18.56	38.45	PASS
5-5	10MHz-10MHz	256QAM-256QAM	20476-20575	50RB#0-50RB#0	18.03	17.2	38.45	PASS
5-5	10MHz-10MHz	256QAM-256QAM	20501-20600	1RB#0-0RB#0	19.57	18.74	38.45	PASS
5-5	10MHz-10MHz	256QAM-256QAM	20501-20600	12RB#0-0RB#0	19.36	18.53	38.45	PASS
5-5	10MHz-10MHz	256QAM-256QAM	20501-20600	1RB#49-0RB#0	19.45	18.62	38.45	PASS
5-5	10MHz-10MHz	256QAM-256QAM	20501-20600	50RB#0-50RB#0	18	17.17	38.45	PASS

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Peak-to-Average Ratio(CCDF)

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dB)	Limit (dB)	Verdict
5-5	10MHz-10MHz	QPSK-QPSK	20450-20549	50RB#0-50RB#0	5.58	13	PASS
5-5	10MHz-10MHz	QPSK-QPSK	20476-20575	50RB#0-50RB#0	5.62	13	PASS
5-5	10MHz-10MHz	QPSK-QPSK	20501-20600	50RB#0-50RB#0	5.64	13	PASS
5-5	10MHz-10MHz	16QAM-16QAM	20450-20549	50RB#0-50RB#0	6.57	13	PASS
5-5	10MHz-10MHz	16QAM-16QAM	20476-20575	50RB#0-50RB#0	6.58	13	PASS
5-5	10MHz-10MHz	16QAM-16QAM	20501-20600	50RB#0-50RB#0	6.62	13	PASS
5-5	10MHz-10MHz	64QAM-64QAM	20450-20549	50RB#0-50RB#0	6.79	13	PASS
5-5	10MHz-10MHz	64QAM-64QAM	20476-20575	50RB#0-50RB#0	6.84	13	PASS
5-5	10MHz-10MHz	64QAM-64QAM	20501-20600	50RB#0-50RB#0	6.88	13	PASS
5-5	10MHz-10MHz	256QAM-256QAM	20450-20549	50RB#0-50RB#0	6.92	13	PASS
5-5	10MHz-10MHz	256QAM-256QAM	20476-20575	50RB#0-50RB#0	6.88	13	PASS
5-5	10MHz-10MHz	256QAM-256QAM	20501-20600	50RB#0-50RB#0	6.89	13	PASS

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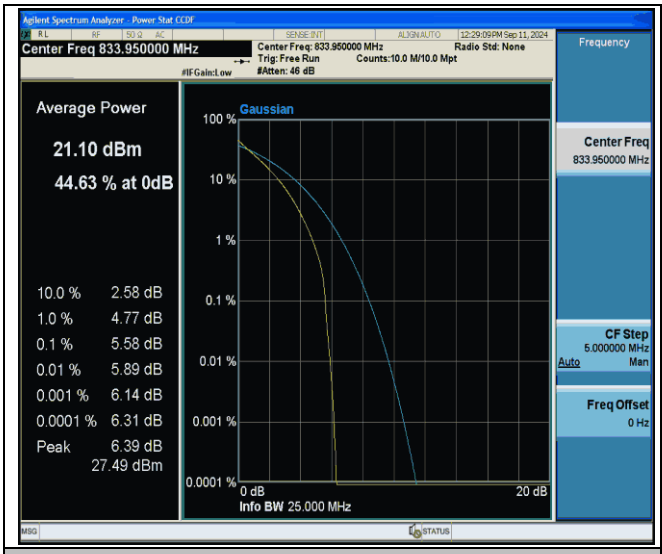
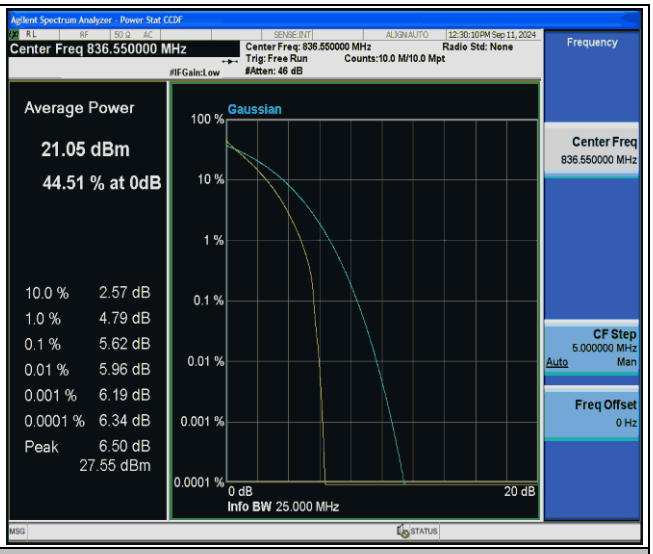
Test Graphs



5-5-10MHz-10MHz-QPSK-QPSK-20450-20549-50RB#0-50RB#0-PASS



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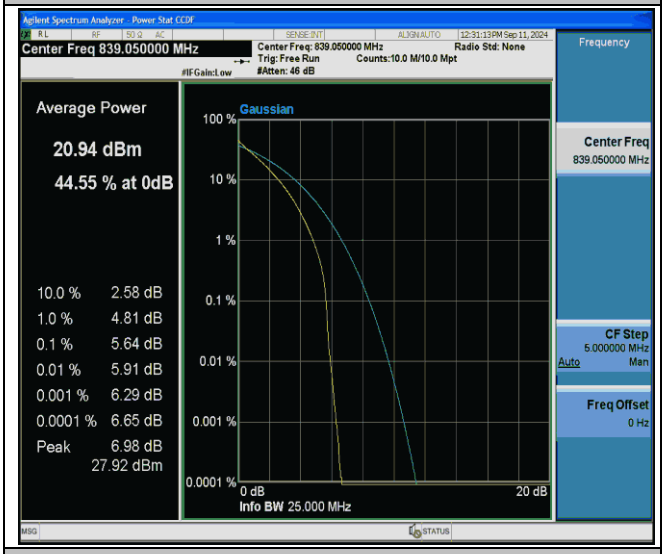

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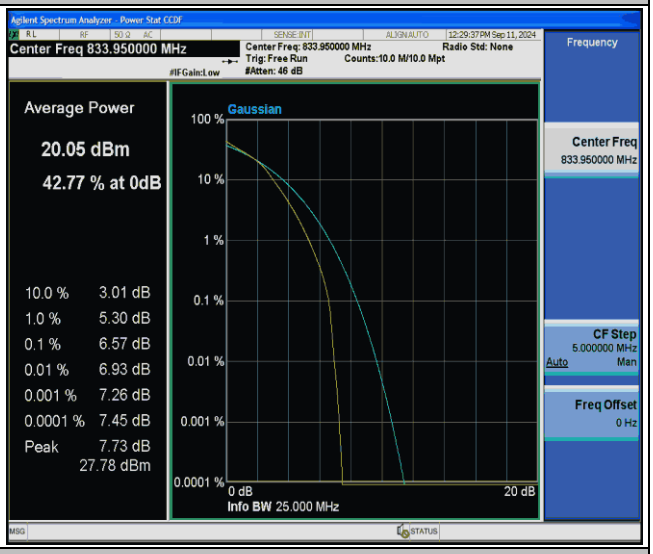
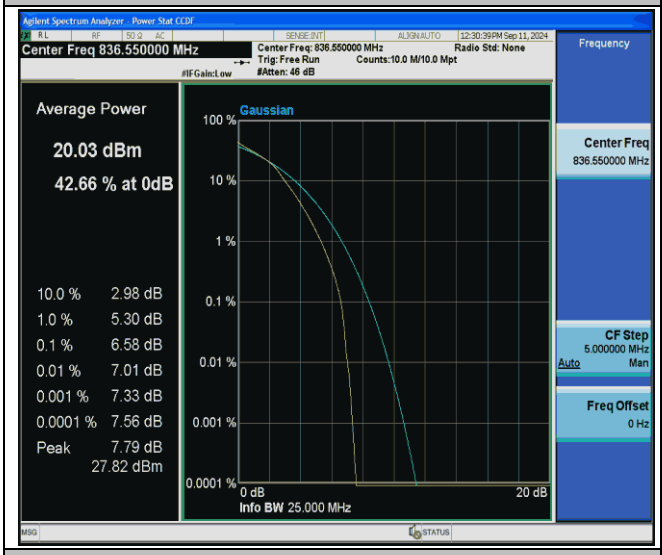


5-5-10MHz-10MHz-16QAM-16QAM-20450-20549-50RB#0-50RB#0-PASS



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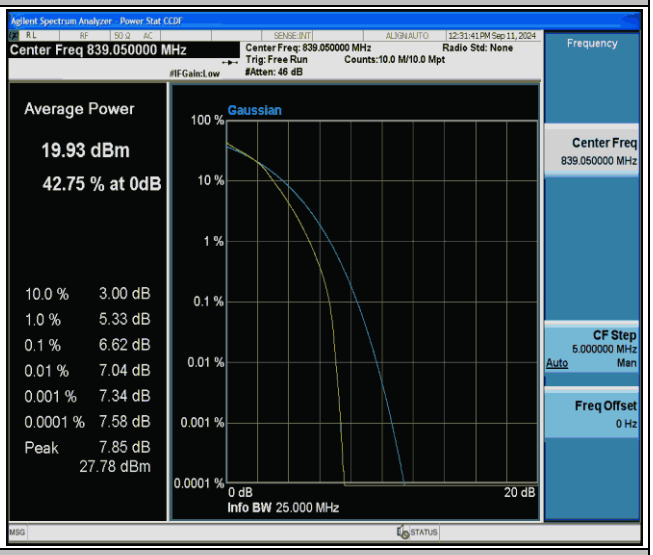

5-5-10MHz-10MHz-16QAM-16QAM-20501-20600-50RB#0-50RB#0-PASS

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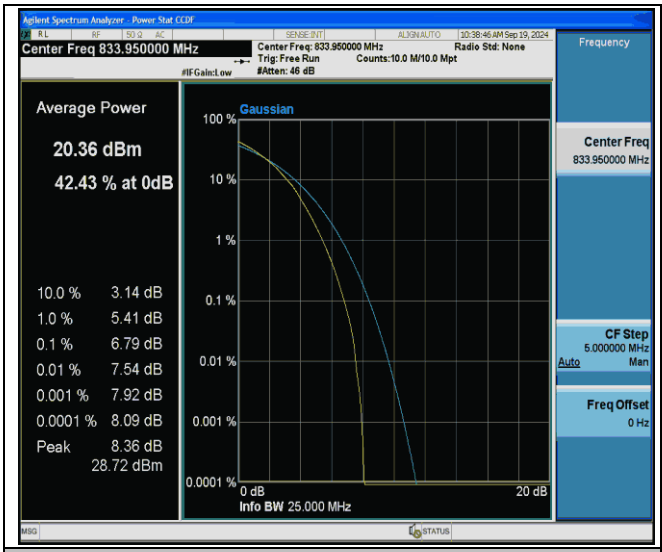

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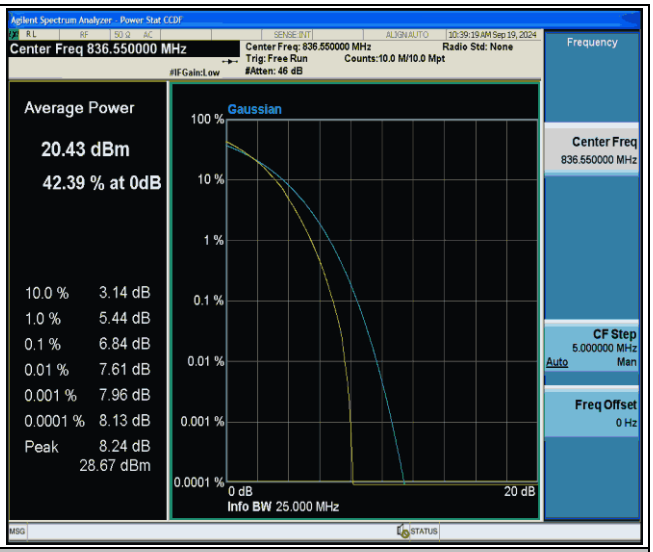

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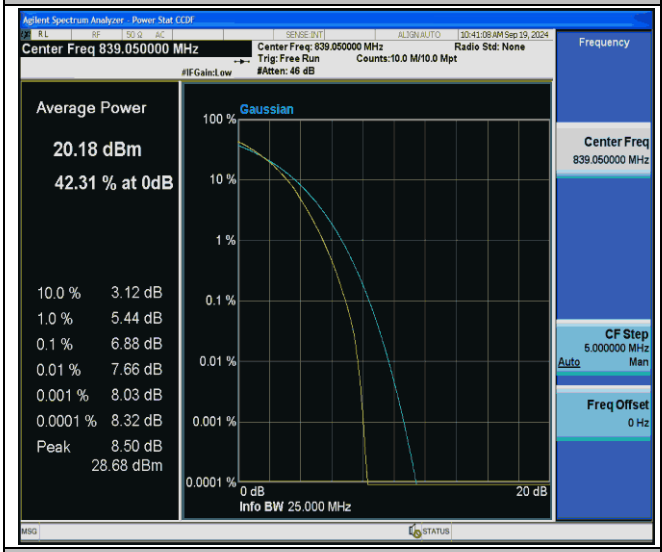

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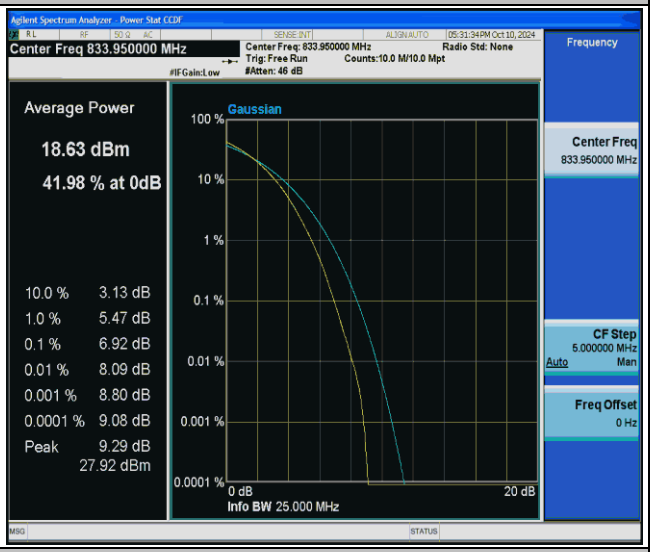

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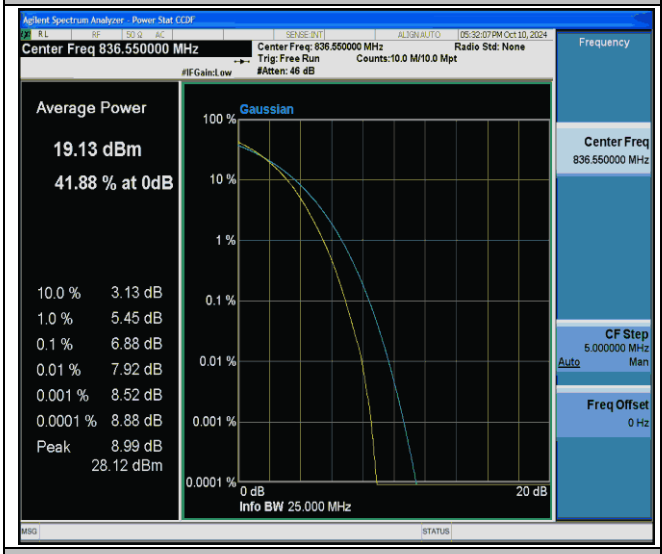

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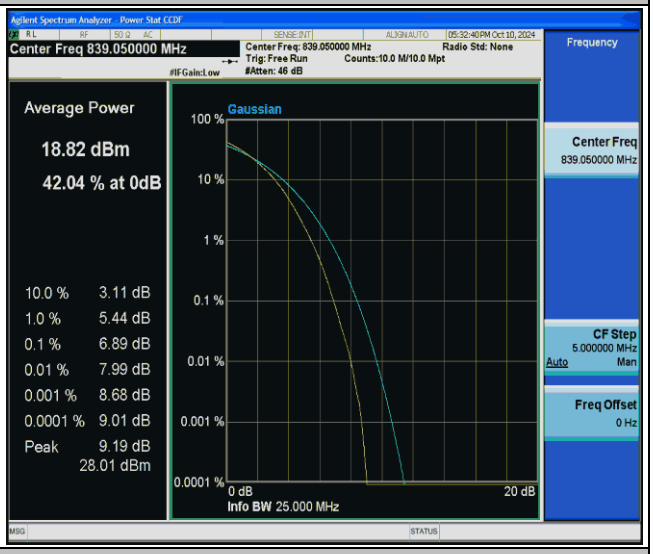

5-5-10MHz-10MHz-256QAM-256QAM-20501-20600-50RB#0-50RB#0-PASS

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26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	OBW (MHz)	26dB EBW (MHz)	Verdict
5-5	10MHz-5MHz	QPSK-QPSK	20450-20522	50RB#0-25RB#0	13.957	15.69	PASS
5-5	10MHz-5MHz	QPSK-QPSK	20500-20572	50RB#0-25RB#0	13.890	15.15	PASS
5-5	10MHz-5MHz	QPSK-QPSK	20550-20622	50RB#0-25RB#0	13.889	15.41	PASS
5-5	10MHz-5MHz	16QAM-16QAM	20450-20522	50RB#0-25RB#0	13.975	15.21	PASS
5-5	10MHz-5MHz	16QAM-16QAM	20500-20572	50RB#0-25RB#0	13.899	15.11	PASS
5-5	10MHz-5MHz	16QAM-16QAM	20550-20622	50RB#0-25RB#0	13.859	14.97	PASS
5-5	10MHz-5MHz	64QAM-64QAM	20450-20522	50RB#0-25RB#0	13.935	15.64	PASS
5-5	10MHz-5MHz	64QAM-64QAM	20500-20572	50RB#0-25RB#0	13.863	15.24	PASS
5-5	10MHz-5MHz	64QAM-64QAM	20550-20622	50RB#0-25RB#0	13.886	15.19	PASS
5-5	10MHz-5MHz	256QAM-256QAM	20450-20522	50RB#0-25RB#0	13.899	15.64	PASS
5-5	10MHz-5MHz	256QAM-256QAM	20500-20572	50RB#0-25RB#0	13.868	15.05	PASS
5-5	10MHz-5MHz	256QAM-256QAM	20550-20622	50RB#0-25RB#0	13.893	15.28	PASS
5-5	5MHz-10MHz	QPSK-QPSK	20428-20500	25RB#0-50RB#0	13.917	14.89	PASS
5-5	5MHz-10MHz	QPSK-QPSK	20478-20550	25RB#0-50RB#0	13.860	14.88	PASS
5-5	5MHz-10MHz	QPSK-QPSK	20528-20600	25RB#0-50RB#0	13.864	14.89	PASS
5-5	5MHz-10MHz	16QAM-16QAM	20428-20500	25RB#0-50RB#0	13.885	14.84	PASS
5-5	5MHz-10MHz	16QAM-16QAM	20478-20550	25RB#0-50RB#0	13.865	14.84	PASS
5-5	5MHz-10MHz	16QAM-16QAM	20528-20600	25RB#0-50RB#0	13.833	14.80	PASS
5-5	5MHz-10MHz	64QAM-64QAM	20428-20500	25RB#0-50RB#0	13.903	14.80	PASS
5-5	5MHz-10MHz	64QAM-64QAM	20478-20550	25RB#0-50RB#0	13.867	14.91	PASS
5-5	5MHz-10MHz	64QAM-64QAM	20528-20600	25RB#0-50RB#0	13.854	14.84	PASS
5-5	5MHz-10MHz	256QAM-256QAM	20428-20500	25RB#0-50RB#0	13.888	14.86	PASS
5-5	5MHz-10MHz	256QAM-256QAM	20478-20550	25RB#0-50RB#0	13.880	14.89	PASS
5-5	5MHz-10MHz	256QAM-256QAM	20528-20600	25RB#0-50RB#0	13.821	14.94	PASS
5-5	10MHz-10MHz	QPSK-QPSK	20450-20549	50RB#0-50RB#0	18.784	20.15	PASS
5-5	10MHz-10MHz	QPSK-QPSK	20476-20575	50RB#0-50RB#0	18.744	20.10	PASS
5-5	10MHz-10MHz	QPSK-QPSK	20501-20600	50RB#0-50RB#0	18.809	20.25	PASS
5-5	10MHz-10MHz	16QAM-16QAM	20450-20549	50RB#0-50RB#0	18.818	20.22	PASS
5-5	10MHz-10MHz	16QAM-16QAM	20476-20575	50RB#0-50RB#0	18.729	20.05	PASS
5-5	10MHz-10MHz	16QAM-16QAM	20501-20600	50RB#0-50RB#0	18.714	20.18	PASS
5-5	10MHz-10MHz	64QAM-64QAM	20450-20549	50RB#0-50RB#0	18.820	20.13	PASS
5-5	10MHz-10MHz	64QAM-64QAM	20476-20575	50RB#0-50RB#0	18.778	20.10	PASS
5-5	10MHz-10MHz	64QAM-64QAM	20501-20600	50RB#0-50RB#0	18.774	20.06	PASS
5-5	10MHz-10MHz	256QAM-256QAM	20450-20549	50RB#0-50RB#0	18.763	20.13	PASS
5-5	10MHz-10MHz	256QAM-256QAM	20476-20575	50RB#0-50RB#0	18.784	20.23	PASS
5-5	10MHz-10MHz	256QAM-256QAM	20501-20600	50RB#0-50RB#0	18.784	20.20	PASS

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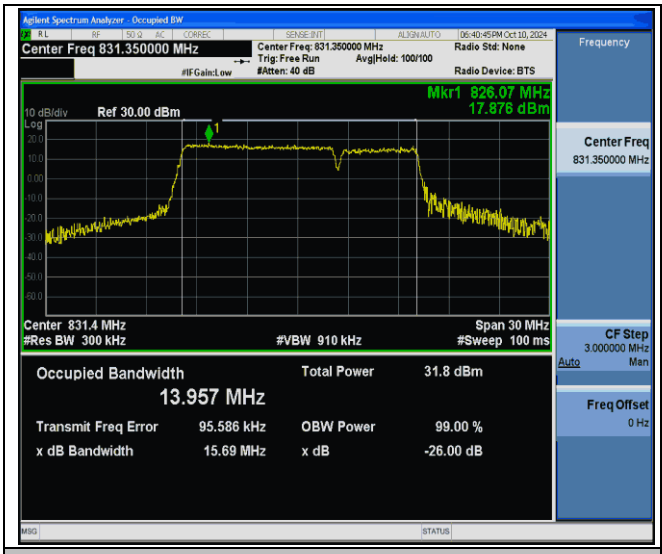
Test Graphs



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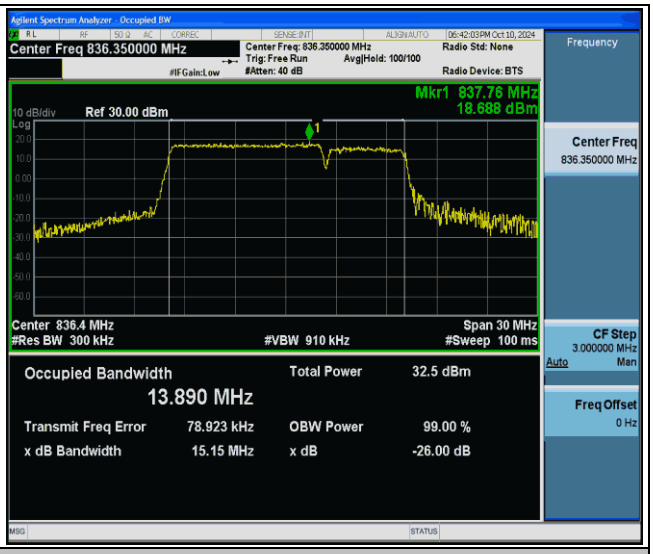

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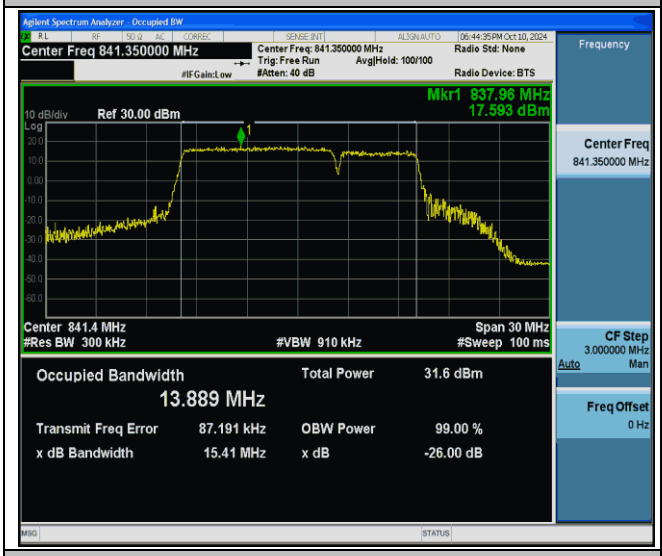

5-5-10MHz-5MHz-QPSK-QPSK-20550-20622-50RB#0-25RB#0-PASS

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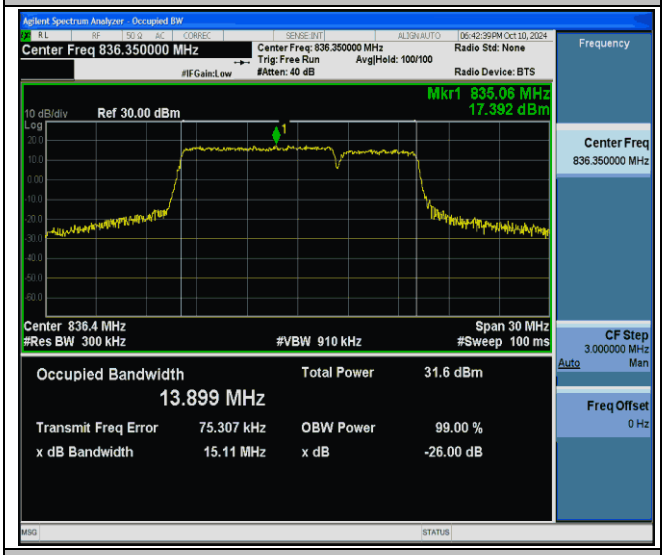

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5-5-10MHz-5MHz-16QAM-16QAM-20550-20622-50RB#0-25RB#0-PASS

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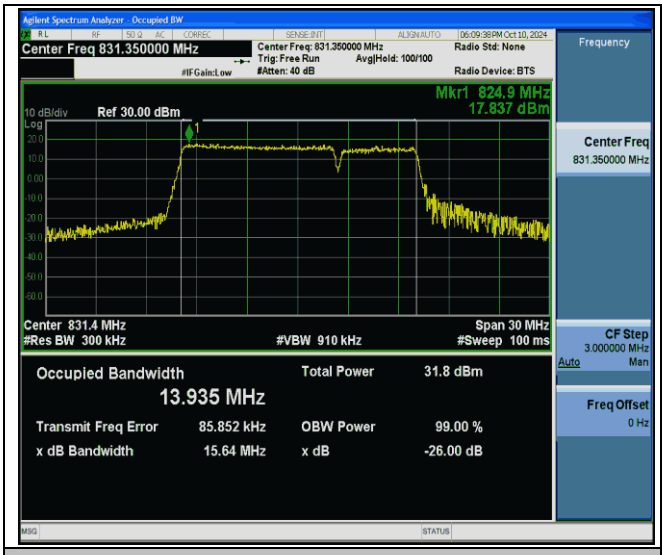

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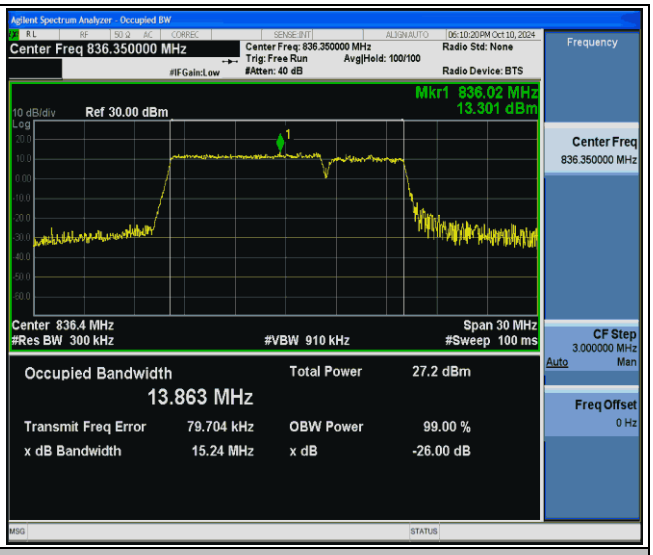

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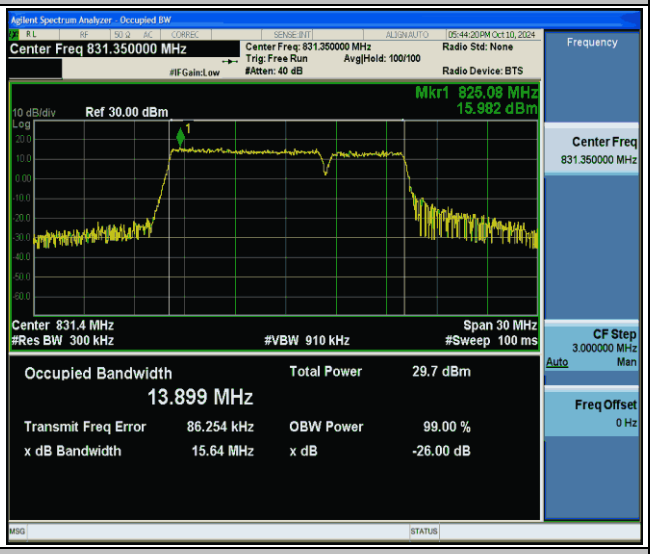
5-5-10MHz-5MHz-64QAM-64QAM-20550-20622-50RB#0-25RB#0-PASS



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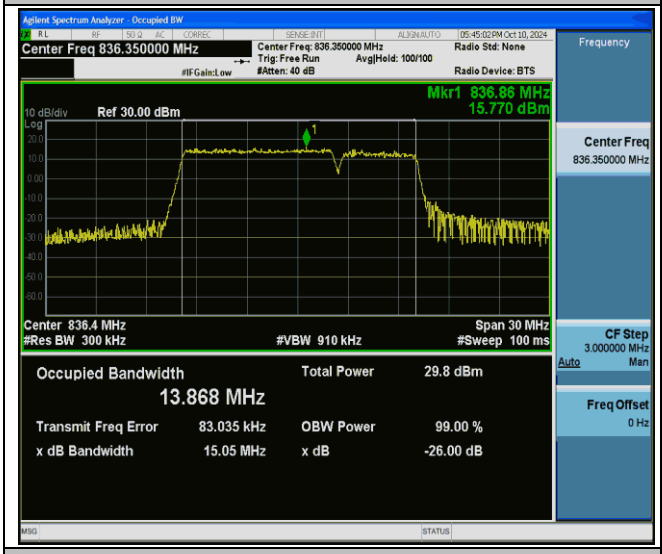

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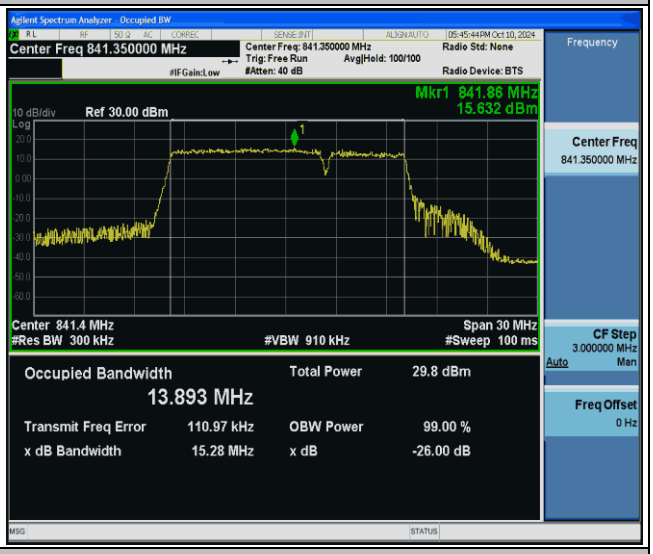

5-5-10MHz-5MHz-256QAM-256QAM-20550-20622-50RB#0-25RB#0-PASS

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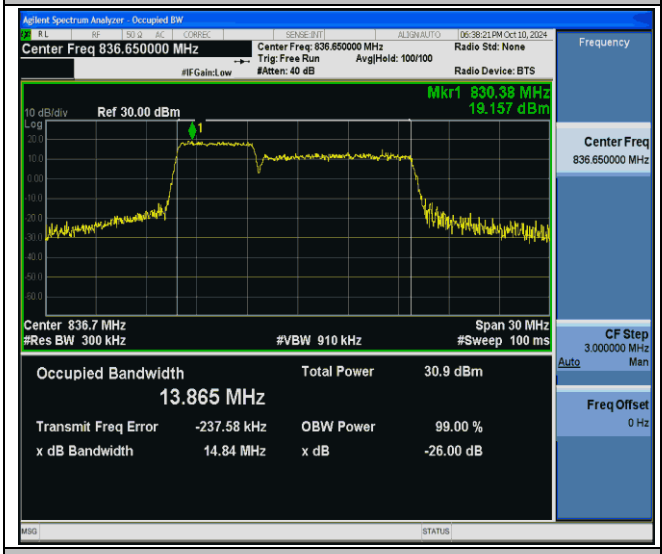
5-5-5MHz-10MHz-QPSK-QPSK-20428-20500-25RB#0-50RB#0-PASS

5-5-5MHz-10MHz-QPSK-QPSK-20478-20550-25RB#0-50RB#0-PASS

5-5-5MHz-10MHz-QPSK-QPSK-20528-20600-25RB#0-50RB#0-PASS

5-5-5MHz-10MHz-16QAM-16QAM-20428-20500-25RB#0-50RB#0-PASS



5-5-5MHz-10MHz-16QAM-16QAM-20478-20550-25RB#0-50RB#0-PASS

5-5-5MHz-10MHz-16QAM-16QAM-20528-20600-25RB#0-50RB#0-PASS

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5-5-5MHz-10MHz-64QAM-64QAM-20428-20500-25RB#0-50RB#0-PASS

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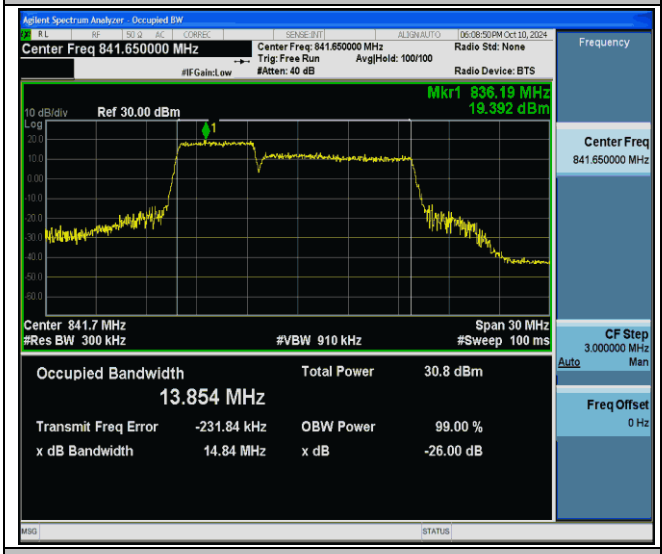

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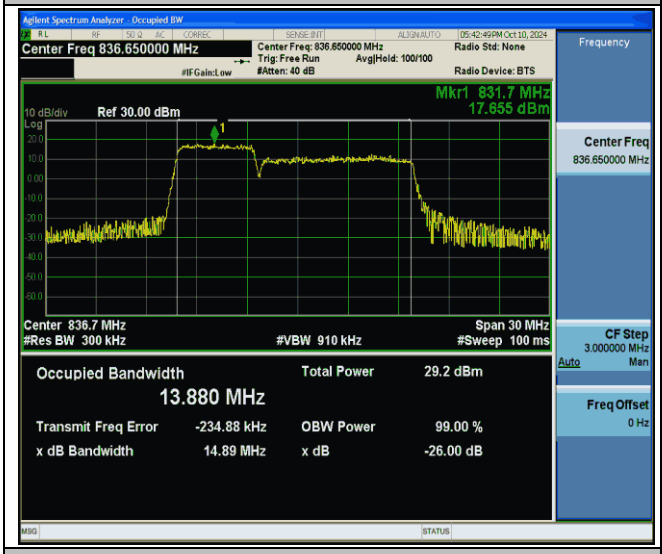

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5-5-5MHz-10MHz-256QAM-256QAM-20528-20600-25RB#0-50RB#0-PASS

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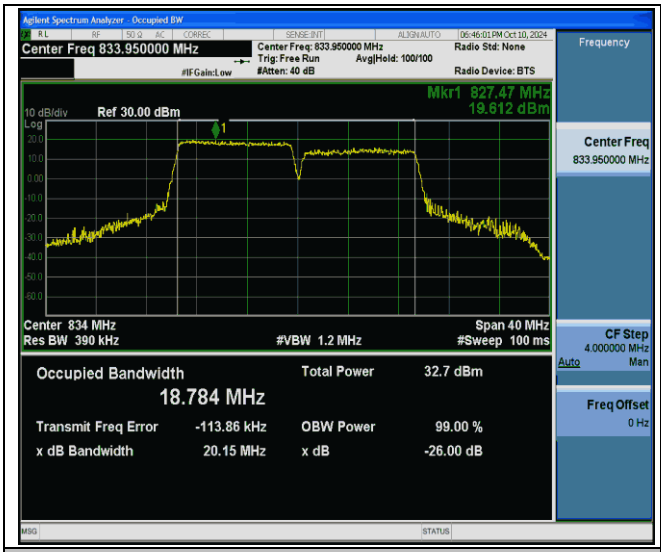

5-5-10MHz-10MHz-QPSK-QPSK-20450-20549-50RB#0-50RB#0-PASS

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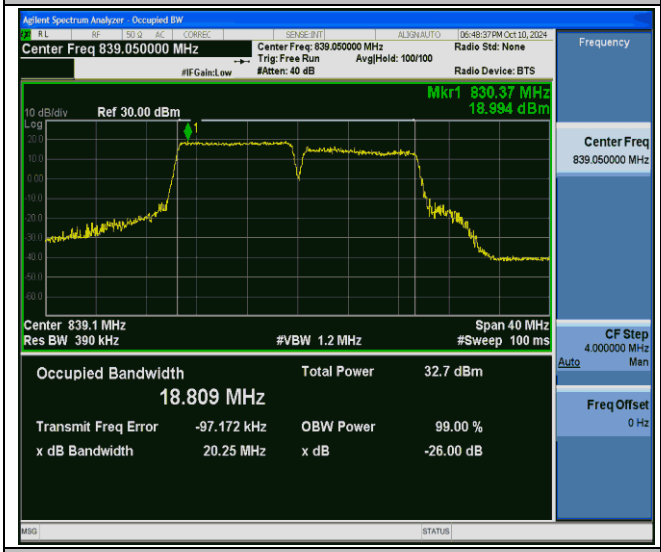
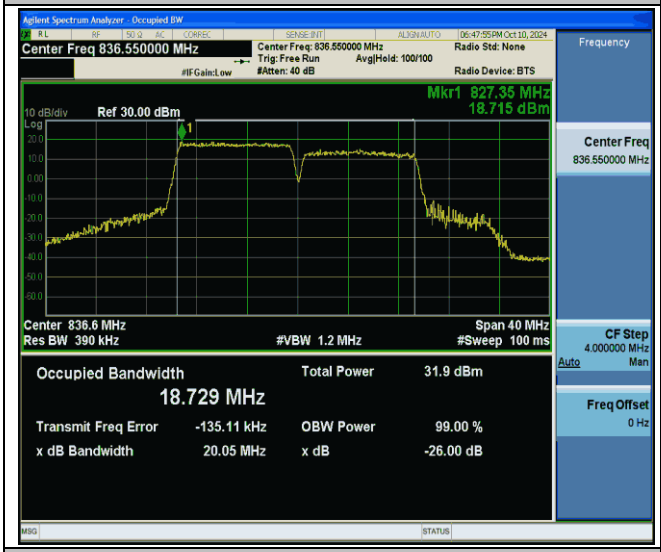


5-5-10MHz-10MHz-QPSK-QPSK-20501-20600-50RB#0-50RB#0-PASS

5-5-10MHz-10MHz-16QAM-16QAM-20450-20549-50RB#0-50RB#0-PASS



5-5-10MHz-10MHz-16QAM-16QAM-20476-20575-50RB#0-50RB#0-PASS

5-5-10MHz-10MHz-16QAM-16QAM-20501-20600-50RB#0-50RB#0-PASS

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5-5-10MHz-10MHz-64QAM-64QAM-20450-20549-50RB#0-50RB#0-PASS

5-5-10MHz-10MHz-64QAM-64QAM-20476-20575-50RB#0-50RB#0-PASS

5-5-10MHz-10MHz-64QAM-64QAM-20501-20600-50RB#0-50RB#0-PASS

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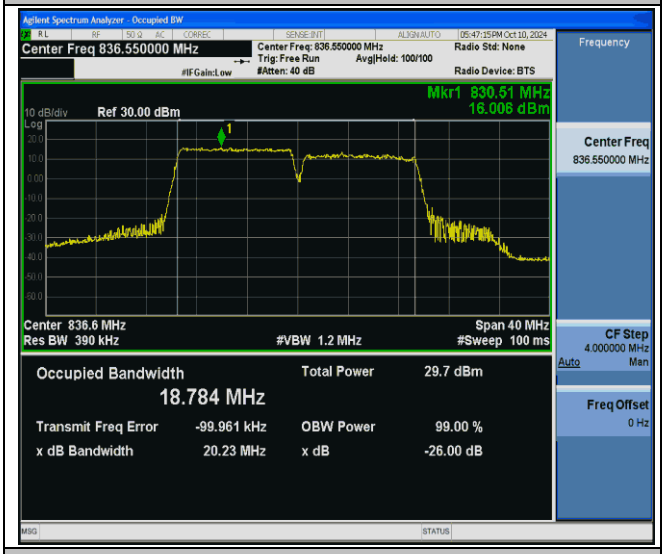

5-5-10MHz-10MHz-256QAM-256QAM-20476-20575-50RB#0-50RB#0-PASS

5-5-10MHz-10MHz-256QAM-256QAM-20501-20600-50RB#0-50RB#0-PASS

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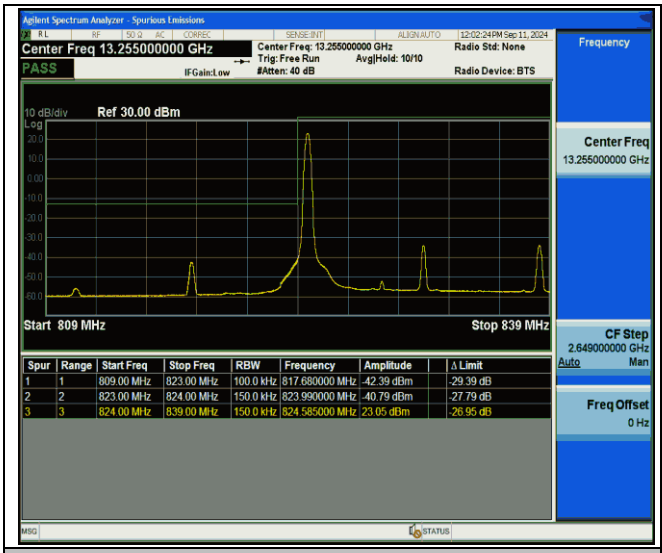
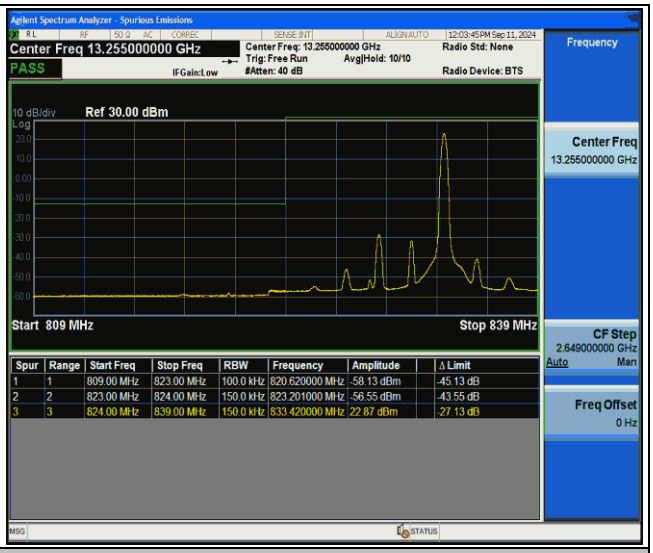
Band Edge

Test Graphs



5-5-10MHz-5MHz-QPSK@QPSK-QPSK@QPSK-20450-20522-1RB#0@50RB#0-0RB#0@25RB#0-PASS



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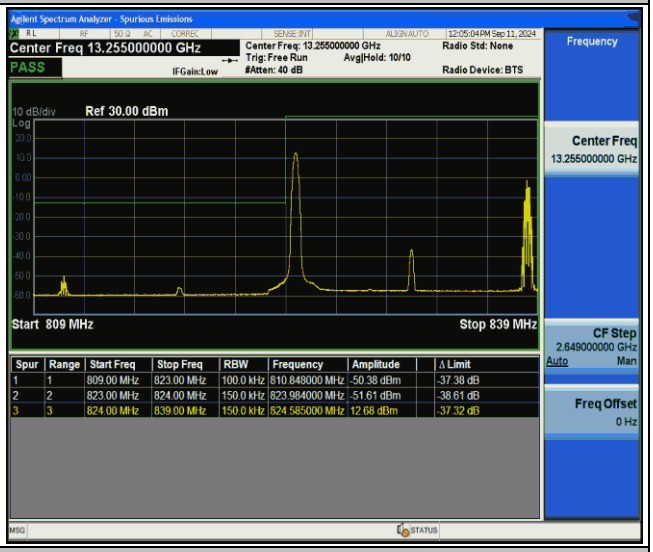

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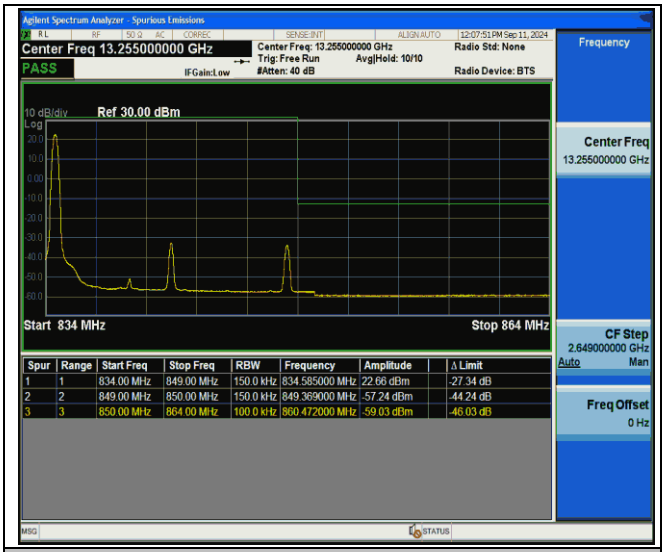

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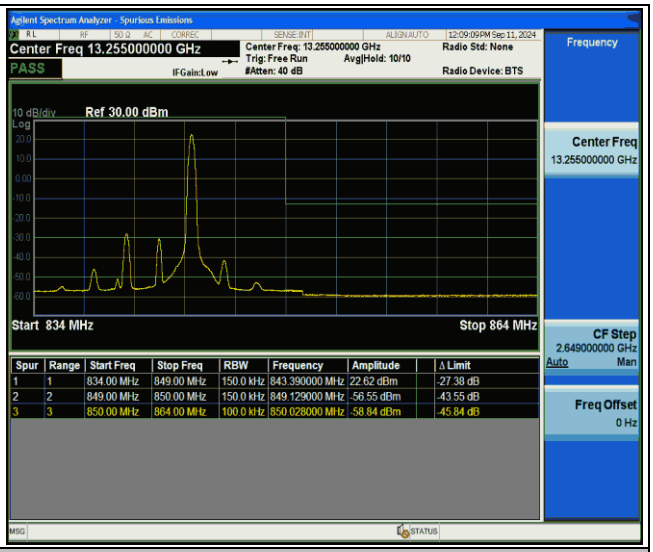

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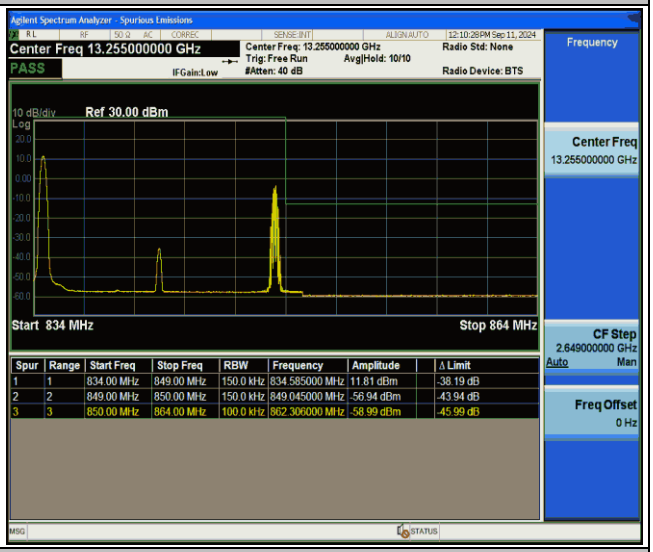

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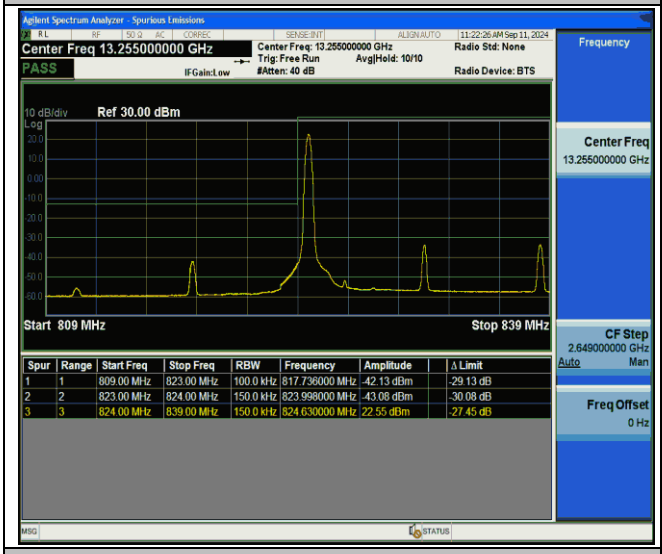

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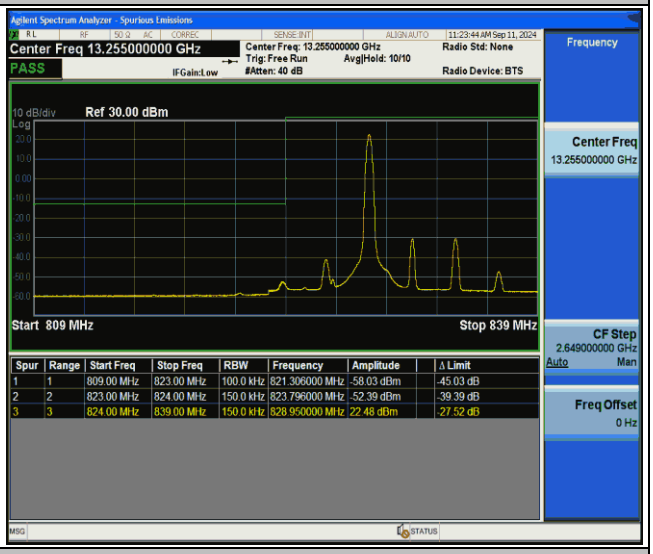

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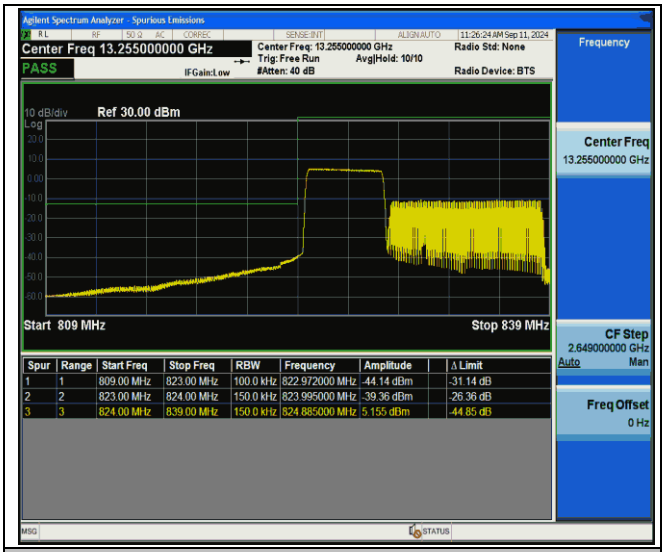

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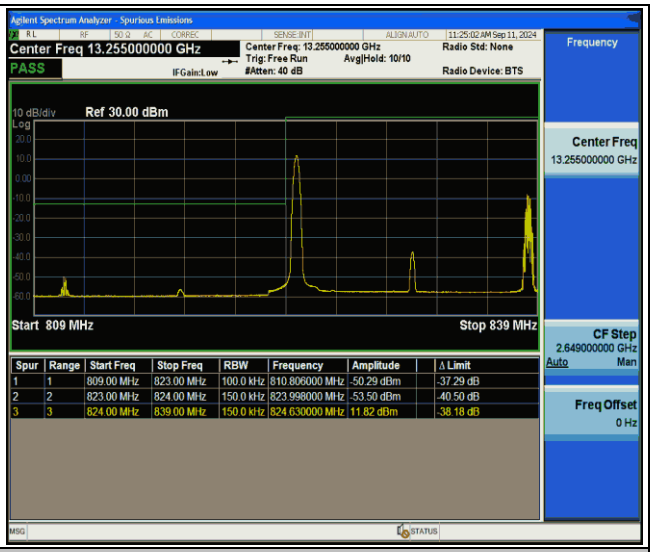

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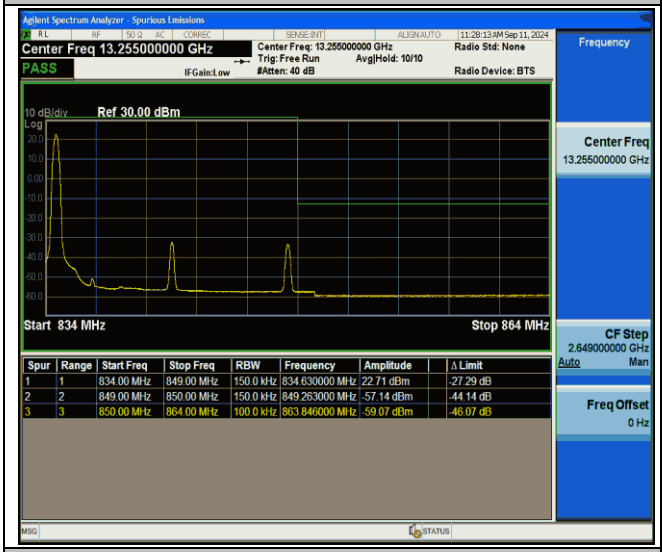

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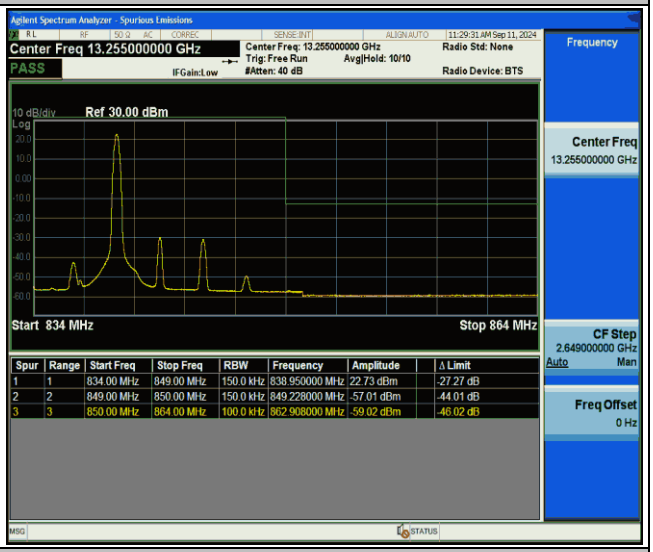

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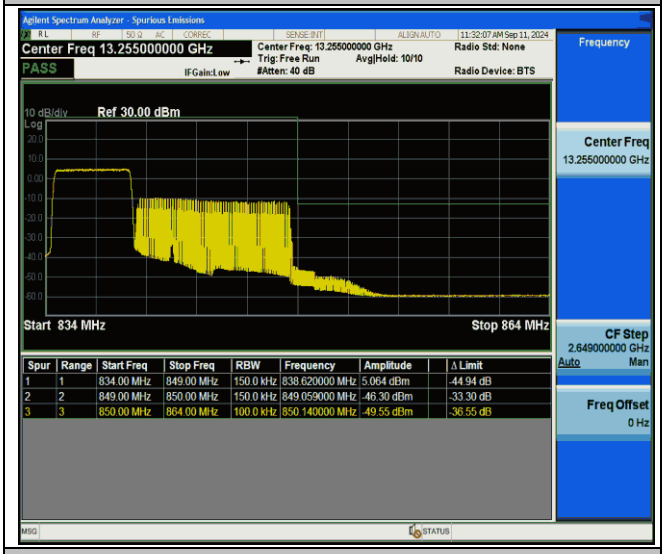

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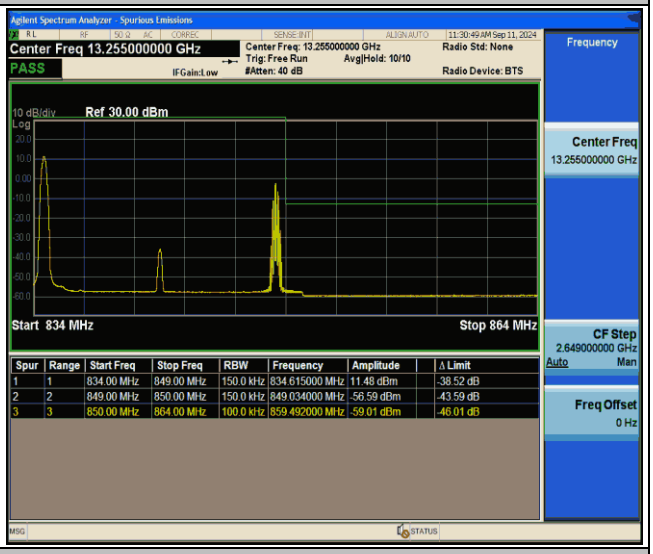

5-5-5MHz-10MHz-QPSK@QPSK-QPSK@QPSK-20528-20600-1RB#0@25RB#0-1RB#49@50RB#0-PASS

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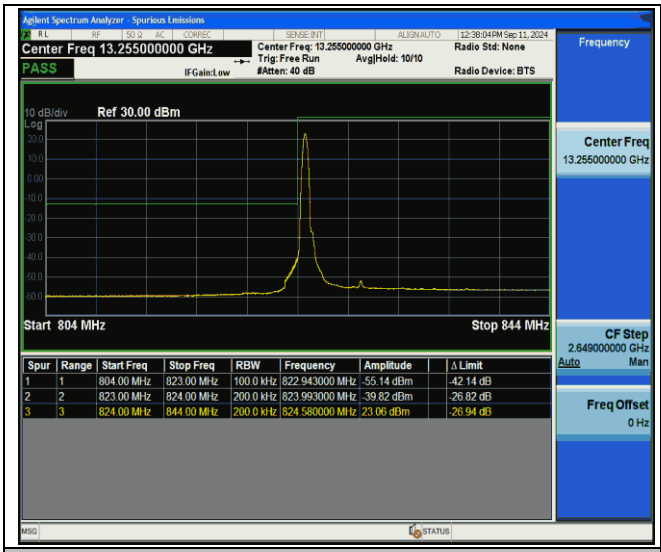

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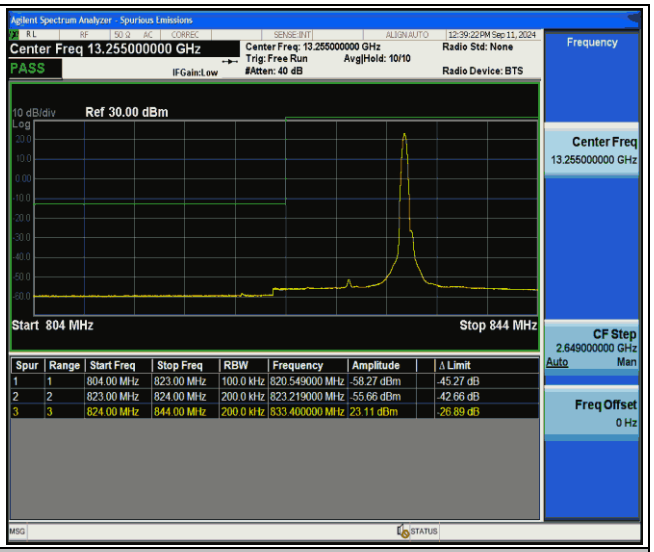

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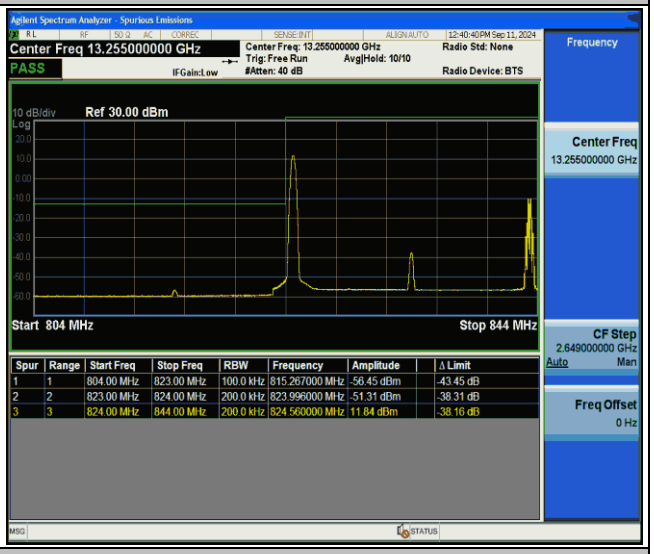

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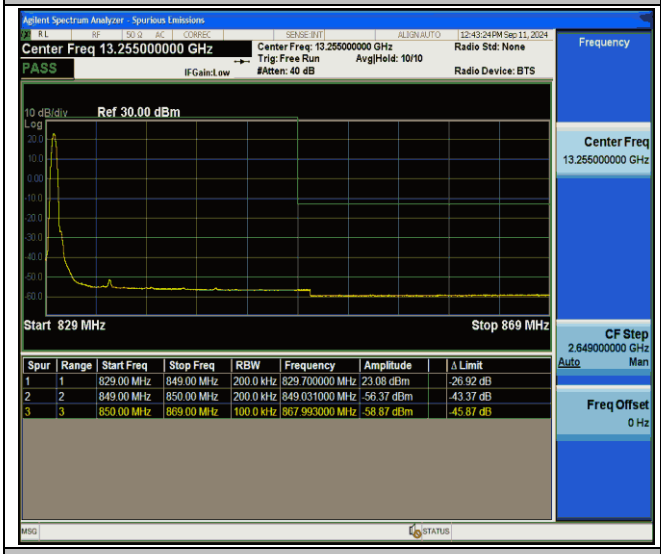

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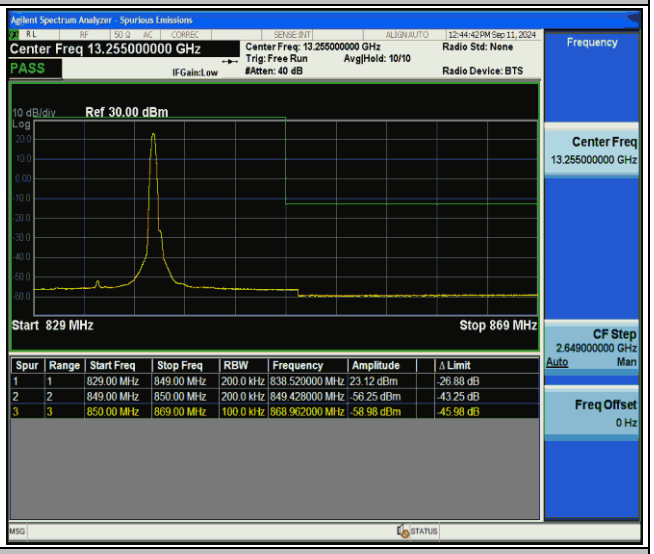

5-5-10MHz-10MHz-QPSK@QPSK-QPSK@QPSK-20501-20600-1RB#49@50RB#0-0RB#0@50RB#0-PASS

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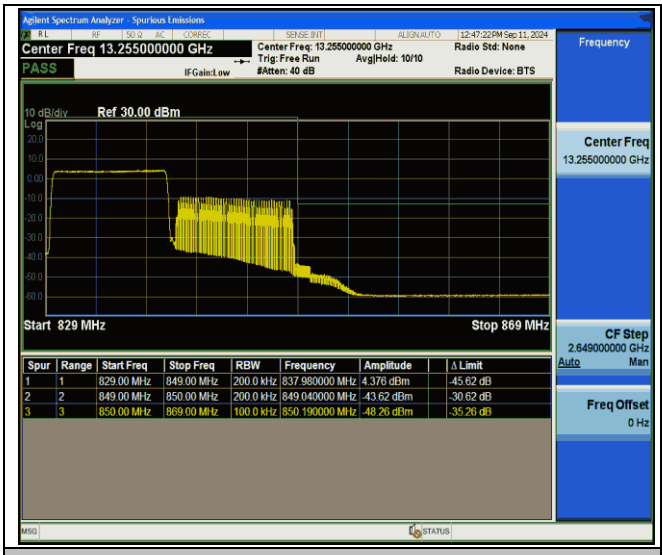

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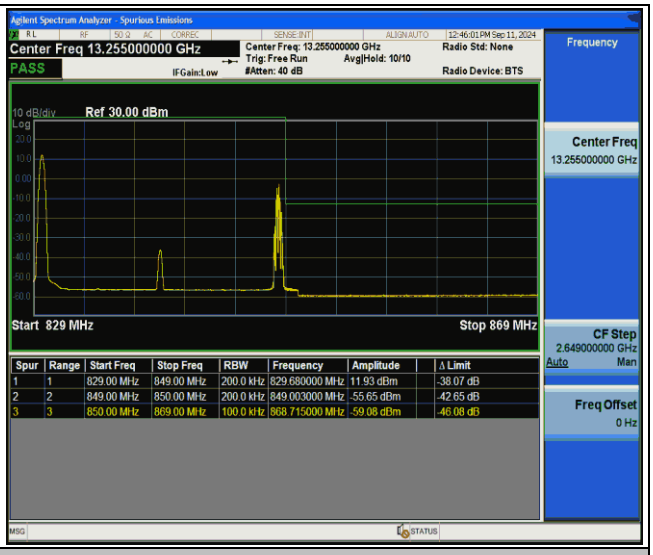
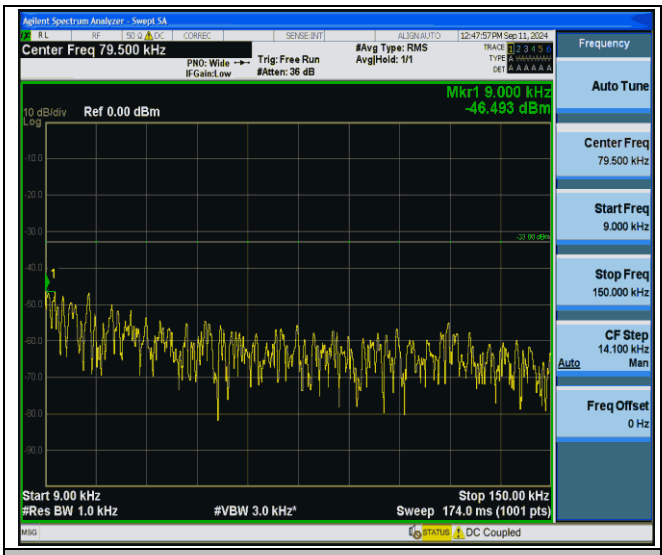


5-5-10MHz-10MHz-QPSK@QPSK-QPSK@QPSK-20501-20600-1RB#0@50RB#0-1RB#49@50RB#0-PASS

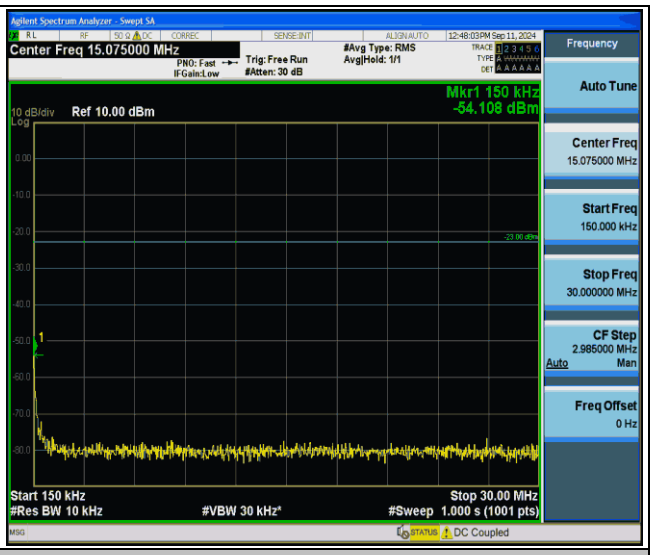
Conducted Spurious Emission

Test Result

Test Graphs



5-5-10MHz-10MHz-QPSK-QPSK-20450-20549-1RB#0-0RB#0-0.009~0.15MHz-PASS



5-5-10MHz-10MHz-QPSK-QPSK-20450-20549-1RB#0-0RB#0-0.15~30MHz-PASS

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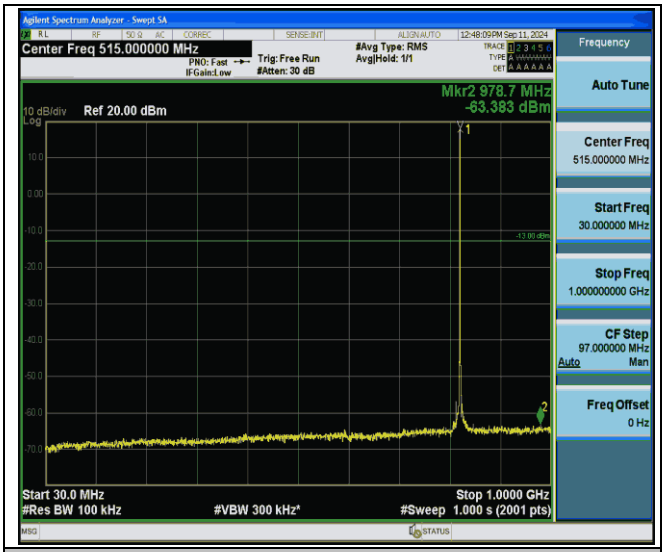

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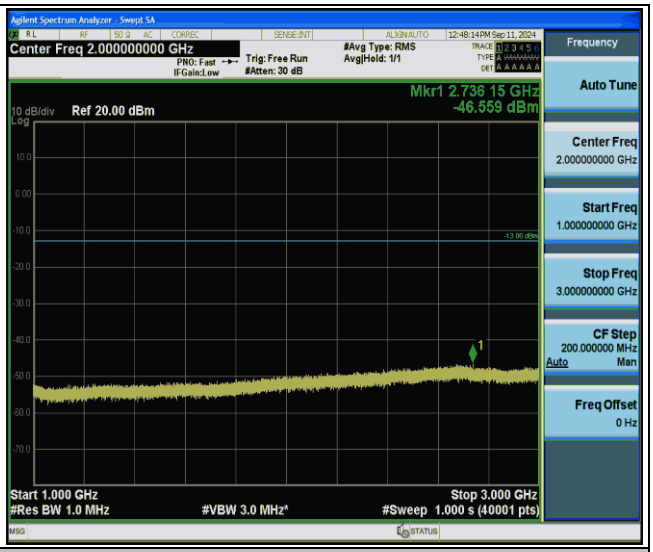

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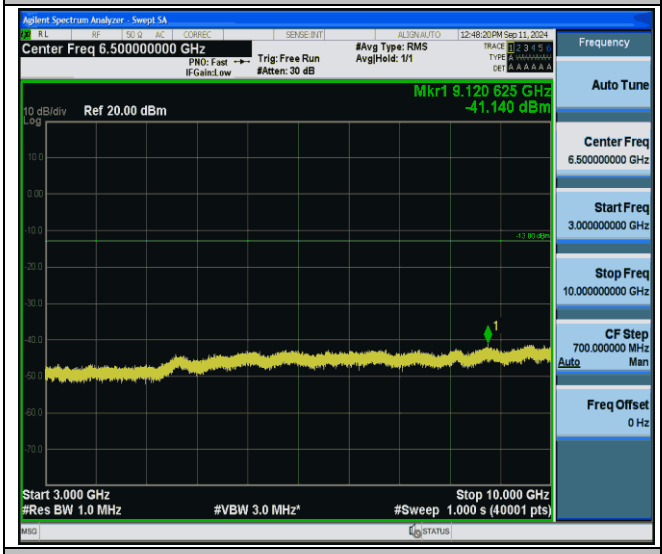

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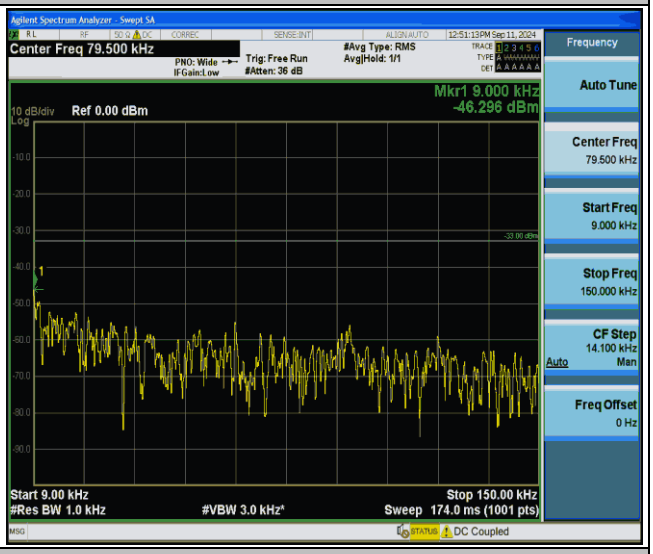
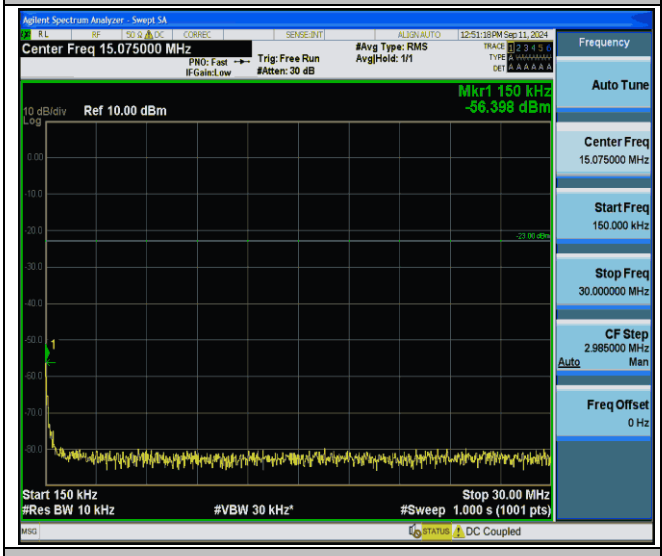


5-5-10MHz-10MHz-QPSK-QPSK-20476-20575-1RB#0-0RB#0-0.009~0.15MHz-PASS



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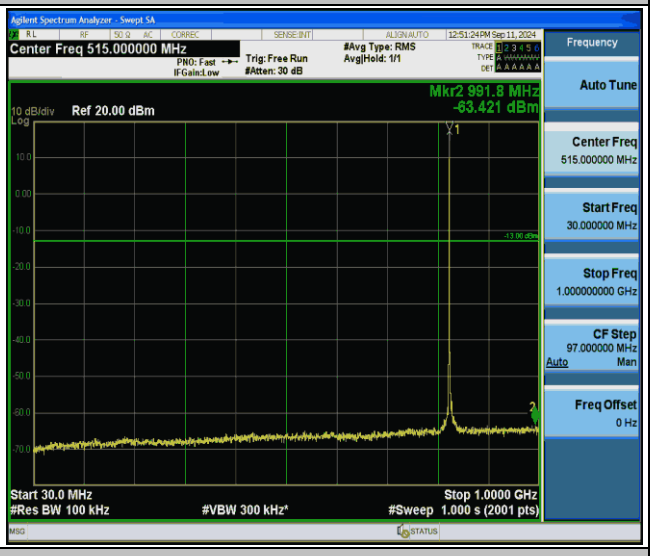

5-5-10MHz-10MHz-QPSK-QPSK-20476-20575-1RB#0-0RB#0-30~1000MHz-PASS

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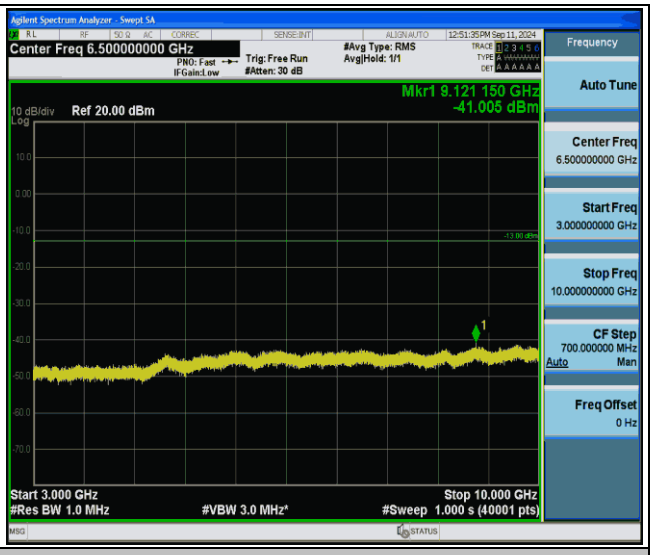
5-5-10MHz-10MHz-QPSK-QPSK-20476-20575-1RB#0-0RB#0-1000~3000MHz-PASS



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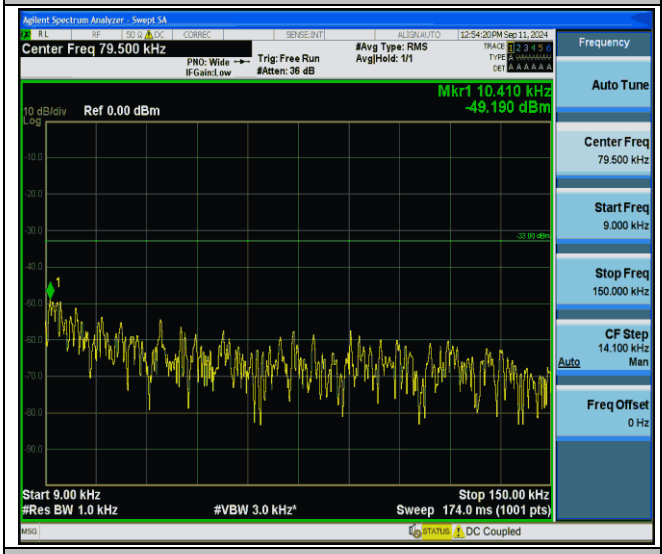

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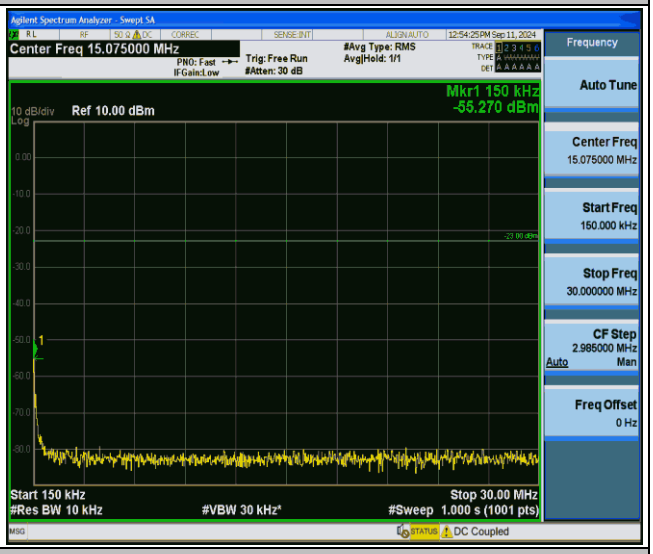

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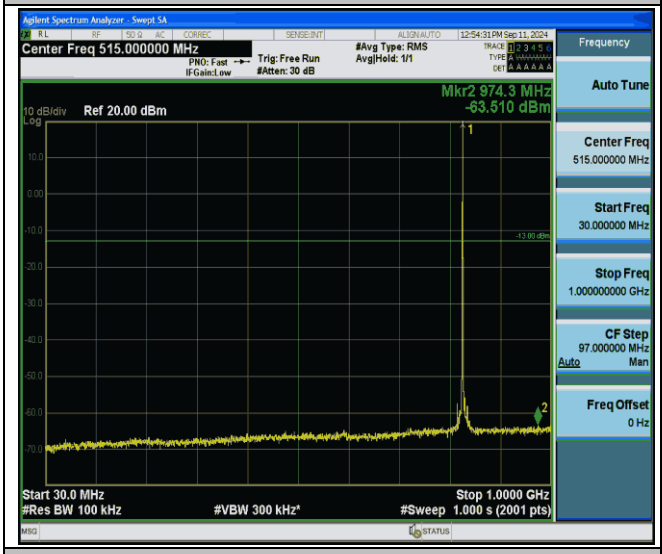

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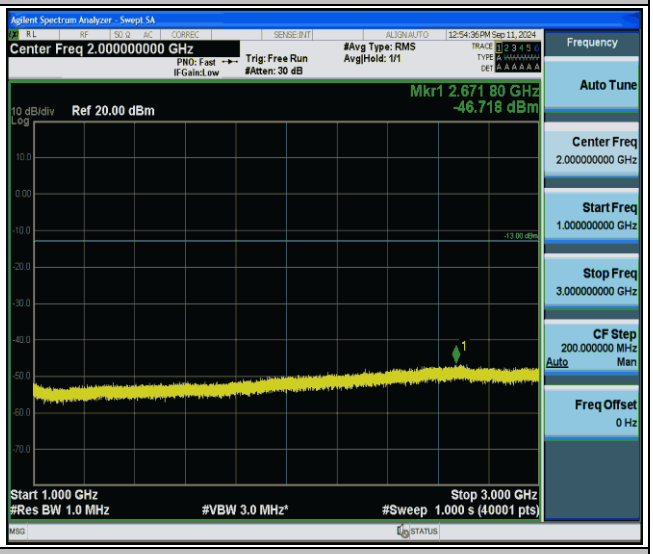

5-5-10MHz-10MHz-QPSK-QPSK-20501-20600-1RB#0-0RB#0-1000~3000MHz-PASS

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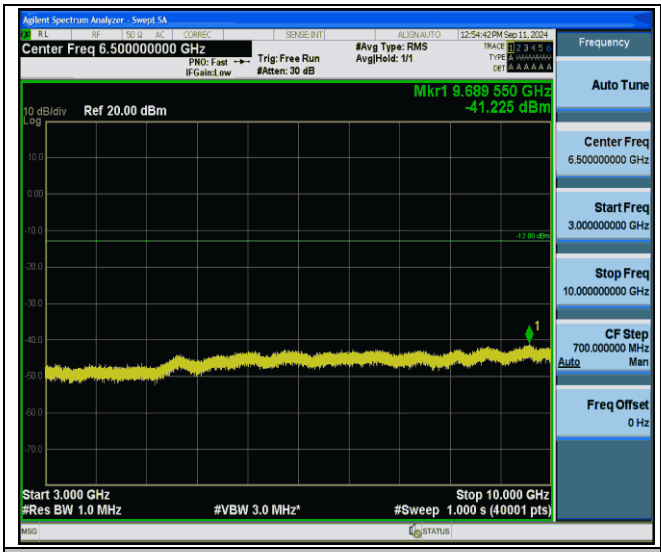	
5-5-10MHz-10MHz-QPSK-QPSK-20501-20600-1RB#0-0RB#0-3000~10000MHz-PASS	

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Frequency Stability

Test Result

Voltage										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
5-5	10MHz-10MHz	QPSK-QPSK	20476-20575	50RB#0-50RB#0	VN	NT	0.71	0.000854	±2.5	PASS
5-5	10MHz-10MHz	QPSK-QPSK	20476-20575	50RB#0-50RB#0	VL	NT	0.04	0.000048	±2.5	PASS
5-5	10MHz-10MHz	QPSK-QPSK	20476-20575	50RB#0-50RB#0	VH	NT	0.64	0.000770	±2.5	PASS

Temperature										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
5-5	10MHz-10MHz	QPSK-QPSK	20476-20575	50RB#0-50RB#0	NV	-30	0.08	0.000096	±2.5	PASS
5-5	10MHz-10MHz	QPSK-QPSK	20476-20575	50RB#0-50RB#0	NV	-20	0.41	0.000493	±2.5	PASS
5-5	10MHz-10MHz	QPSK-QPSK	20476-20575	50RB#0-50RB#0	NV	-10	0.21	0.000253	±2.5	PASS
5-5	10MHz-10MHz	QPSK-QPSK	20476-20575	50RB#0-50RB#0	NV	0	0.37	0.000445	±2.5	PASS
5-5	10MHz-10MHz	QPSK-QPSK	20476-20575	50RB#0-50RB#0	NV	10	0.73	0.000878	±2.5	PASS
5-5	10MHz-10MHz	QPSK-QPSK	20476-20575	50RB#0-50RB#0	NV	20	0.08	0.000096	±2.5	PASS
5-5	10MHz-10MHz	QPSK-QPSK	20476-20575	50RB#0-50RB#0	NV	30	0.80	0.000962	±2.5	PASS
5-5	10MHz-10MHz	QPSK-QPSK	20476-20575	50RB#0-50RB#0	NV	40	0.15	0.000180	±2.5	PASS
5-5	10MHz-10MHz	QPSK-QPSK	20476-20575	50RB#0-50RB#0	NV	50	0.70	0.000842	±2.5	PASS

~The End~

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