Appendix-C LTE Band 7

Effective (Isotropic) Radiated Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dBm)	EIRP (dBm)	Limit (dBm)	Verdict
Band7	5MHz	QPSK	20775	1RB#0	23.08	24.6	33.01	PASS
Band7	5MHz	QPSK	20775	1RB#12	23.11	24.63	33.01	PASS
Band7	5MHz	QPSK	20775	1RB#24	23.11	24.63	33.01	PASS
Band7	5MHz	QPSK	20775	25RB#0	22.30	23.82	33.01	PASS
Band7	5MHz	QPSK	21100	1RB#0	23.18	24.7	33.01	PASS
Band7	5MHz	QPSK	21100	1RB#12	23.39	24.91	33.01	PASS
Band7	5MHz	QPSK	21100	1RB#24	23.42	24.94	33.01	PASS
Band7	5MHz	QPSK	21100	25RB#0	22.35	23.87	33.01	PASS
Band7	5MHz	QPSK	21425	1RB#0	23.12	24.64	33.01	PASS
Band7	5MHz	QPSK	21425	1RB#12	23.17	24.69	33.01	PASS
Band7	5MHz	QPSK	21425	1RB#24	22.97	24.49	33.01	PASS
Band7	5MHz	QPSK	21425	25RB#0	22.17	23.69	33.01	PASS
Band7	5MHz	16QAM	20775	1RB#0	21.72	23.24	33.01	PASS
Band7	5MHz	16QAM	20775	1RB#12	21.96	23.48	33.01	PASS
Band7	5MHz	16QAM	20775	1RB#24	21.91	23.43	33.01	PASS
Band7	5MHz	16QAM	20775	25RB#0	21.27	22.79	33.01	PASS
Band7	5MHz	16QAM	21100	1RB#0	22.07	23.59	33.01	PASS
Band7	5MHz	16QAM	21100	1RB#12	22.23	23.75	33.01	PASS
Band7	5MHz	16QAM	21100	1RB#24	22.02	23.54	33.01	PASS
Band7	5MHz	16QAM	21100	25RB#0	21.33	22.85	33.01	PASS
Band7	5MHz	16QAM	21425	1RB#0	22.24	23.76	33.01	PASS
Band7	5MHz	16QAM	21425	1RB#12	22.25	23.77	33.01	PASS
Band7	5MHz	16QAM	21425	1RB#24	22.15	23.67	33.01	PASS
Band7	5MHz	16QAM	21425	25RB#0	21.12	22.64	33.01	PASS
Band7	10MHz	QPSK	20800	1RB#0	22.92	24.44	33.01	PASS
Band7	10MHz	QPSK	20800	1RB#24	23.34	24.86	33.01	PASS
Band7	10MHz	QPSK	20800	1RB#49	22.81	24.33	33.01	PASS
Band7	10MHz	QPSK	20800	50RB#0	22.19	23.71	33.01	PASS
Band7	10MHz	QPSK	21100	1RB#0	23.07	24.59	33.01	PASS
Band7	10MHz	QPSK	21100	1RB#24	23.45	24.97	33.01	PASS
Band7	10MHz	QPSK	21100	1RB#49	23.36	24.88	33.01	PASS
Band7	10MHz	QPSK	21100	50RB#0	22.20	23.72	33.01	PASS
Band7	10MHz	QPSK	21400	1RB#0	23.19	24.71	33.01	PASS
Band7	10MHz	QPSK	21400	1RB#24	23.52	25.04	33.01	PASS
Band7	10MHz	QPSK	21400	1RB#49	23.00	24.52	33.01	PASS
Band7	10MHz	QPSK	21400	50RB#0	22.29	23.81	33.01	PASS
Band7	10MHz	16QAM	20800	1RB#0	22.05	23.57	33.01	PASS

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Band7	10MHz	16QAM	20800	1RB#24	22.62	24.14	33.01	PASS
Band7	10MHz	16QAM	20800	1RB#49	22.02	23.54	33.01	PASS
Band7	10MHz	16QAM	20800	50RB#0	21.16	22.68	33.01	PASS
Band7	10MHz	16QAM	21100	1RB#0	22.04	23.56	33.01	PASS
Band7	10MHz	16QAM	21100	1RB#24	22.74	24.26	33.01	PASS
Band7	10MHz	16QAM	21100	1RB#49	22.00	23.52	33.01	PASS
Band7	10MHz	16QAM	21100	50RB#0	21.17	22.69	33.01	PASS
Band7	10MHz	16QAM	21400	1RB#0	22.32	23.84	33.01	PASS
Band7	10MHz	16QAM	21400	1RB#24	22.48	24	33.01	PASS
Band7	10MHz	16QAM	21400	1RB#49	22.21	23.73	33.01	PASS
Band7	10MHz	16QAM	21400	50RB#0	21.32	22.84	33.01	PASS
Band7	15MHz	QPSK	20825	1RB#0	22.92	24.44	33.01	PASS
Band7	15MHz	QPSK	20825	1RB#38	23.18	24.7	33.01	PASS
Band7	15MHz	QPSK	20825	1RB#74	22.81	24.33	33.01	PASS
Band7	15MHz	QPSK	20825	75RB#0	22.16	23.68	33.01	PASS
Band7	15MHz	QPSK	21100	1RB#0	22.79	24.31	33.01	PASS
Band7	15MHz	QPSK	21100	1RB#38	23.29	24.81	33.01	PASS
Band7	15MHz	QPSK	21100	1RB#74	23.04	24.56	33.01	PASS
Band7	15MHz	QPSK	21100	75RB#0	22.25	23.77	33.01	PASS
Band7	15MHz	QPSK	21375	1RB#0	22.94	24.46	33.01	PASS
Band7	15MHz	QPSK	21375	1RB#38	23.01	24.53	33.01	PASS
Band7	15MHz	QPSK	21375	1RB#74	23.04	24.56	33.01	PASS
Band7	15MHz	QPSK	21375	75RB#0	22.31	23.83	33.01	PASS
Band7	15MHz	16QAM	20825	1RB#0	22.15	23.67	33.01	PASS
Band7	15MHz	16QAM	20825	1RB#38	22.17	23.69	33.01	PASS
Band7	15MHz	16QAM	20825	1RB#74	22.01	23.53	33.01	PASS
Band7	15MHz	16QAM	20825	75RB#0	21.13	22.65	33.01	PASS
Band7	15MHz	16QAM	21100	1RB#0	21.96	23.48	33.01	PASS
Band7	15MHz	16QAM	21100	1RB#38	22.60	24.12	33.01	PASS
Band7	15MHz	16QAM	21100	1RB#74	22.21	23.73	33.01	PASS
Band7	15MHz	16QAM	21100	75RB#0	21.11	22.63	33.01	PASS
Band7	15MHz	16QAM	21375	1RB#0	22.06	23.58	33.01	PASS
Band7	15MHz	16QAM	21375	1RB#38	22.17	23.69	33.01	PASS
Band7	15MHz	16QAM	21375	1RB#74	22.22	23.74	33.01	PASS
Band7	15MHz	16QAM	21375	75RB#0	21.24	22.76	33.01	PASS
Band7	20MHz	QPSK	20850	1RB#0	22.94	24.46	33.01	PASS
Band7	20MHz	QPSK	20850	1RB#49	23.43	24.95	33.01	PASS
Band7	20MHz	QPSK	20850	1RB#99	22.88	24.4	33.01	PASS
Band7	20MHz	QPSK	20850	100RB#0	22.22	23.74	33.01	PASS
Band7	20MHz	QPSK	21100	1RB#0	22.78	24.3	33.01	PASS
Band7	20MHz	QPSK	21100	1RB#49	23.62	25.14	33.01	PASS
Band7	20MHz	QPSK	21100	1RB#99	23.13	24.65	33.01	PASS
Band7	20MHz	QPSK	21100	100RB#0	22.14	23.66	33.01	PASS
Band7	20MHz	QPSK	21350	1RB#0	23.17	24.69	33.01	PASS
Band7	20MHz	QPSK	21350	1RB#49	23.49	25.01	33.01	PASS

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Band7	20MHz	QPSK	21350	1RB#99	23.06	24.58	33.01	PASS
Band7	20MHz	QPSK	21350	100RB#0	22.35	23.87	33.01	PASS
Band7	20MHz	16QAM	20850	1RB#0	21.95	23.47	33.01	PASS
Band7	20MHz	16QAM	20850	1RB#49	22.90	24.42	33.01	PASS
Band7	20MHz	16QAM	20850	1RB#99	22.04	23.56	33.01	PASS
Band7	20MHz	16QAM	20850	100RB#0	21.02	22.54	33.01	PASS
Band7	20MHz	16QAM	21100	1RB#0	22.03	23.55	33.01	PASS
Band7	20MHz	16QAM	21100	1RB#49	23.03	24.55	33.01	PASS
Band7	20MHz	16QAM	21100	1RB#99	22.17	23.69	33.01	PASS
Band7	20MHz	16QAM	21100	100RB#0	21.12	22.64	33.01	PASS
Band7	20MHz	16QAM	21350	1RB#0	22.28	23.8	33.01	PASS
Band7	20MHz	16QAM	21350	1RB#49	22.87	24.39	33.01	PASS
Band7	20MHz	16QAM	21350	1RB#99	22.56	24.08	33.01	PASS
Band7	20MHz	16QAM	21350	100RB#0	21.27	22.79	33.01	PASS

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Peak-to-Average Ratio(CCDF)

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dB)	Limit (dB)	Verdict
Band7	20MHz	QPSK	20850	100RB#0	4.85	13	PASS
Band7	20MHz	QPSK	21100	100RB#0	5.18	13	PASS
Band7	20MHz	QPSK	21350	100RB#0	5.14	13	PASS
Band7	20MHz	16QAM	20850	100RB#0	5.67	13	PASS
Band7	20MHz	16QAM	21100	100RB#0	6.04	13	PASS
Band7	20MHz	16QAM	21350	100RB#0	6.01	13	PASS

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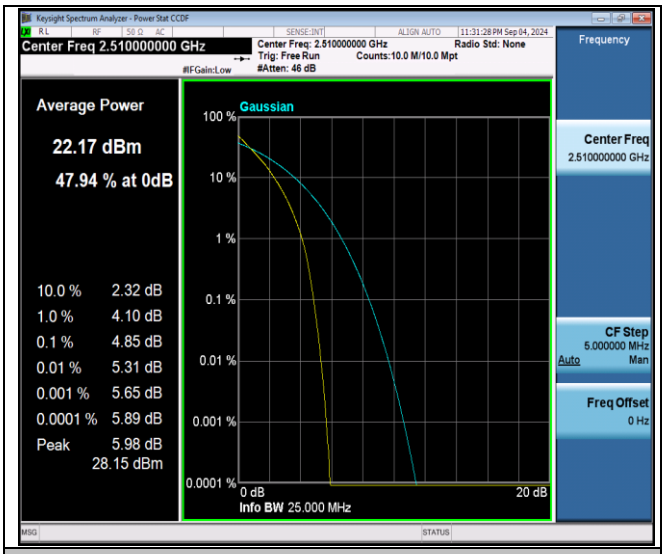
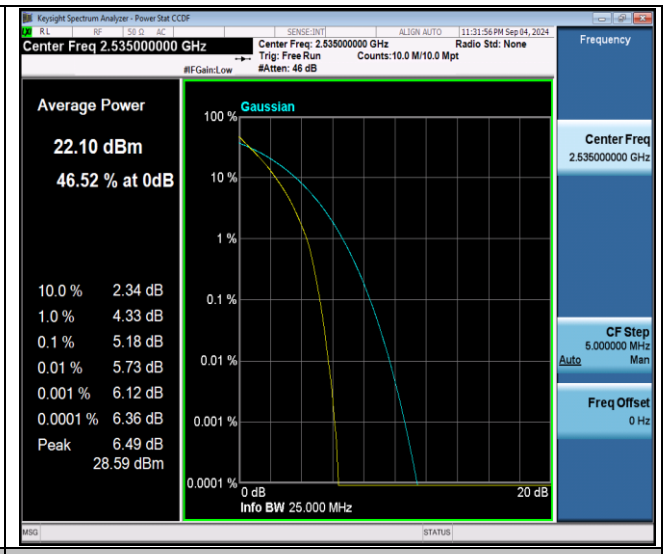
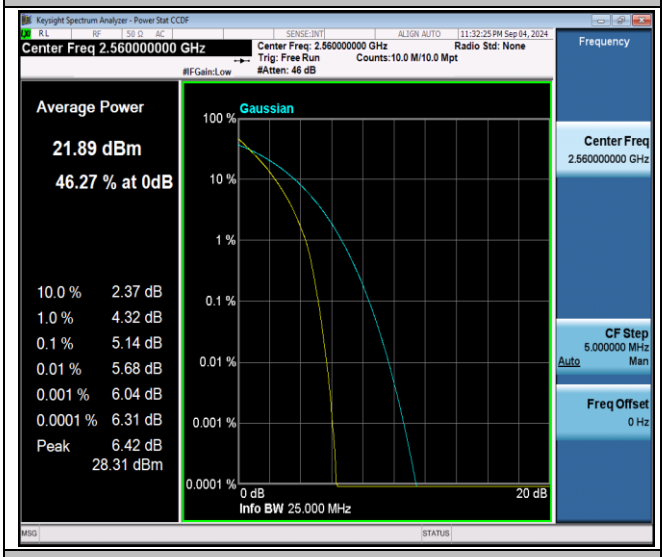
Test Graphs



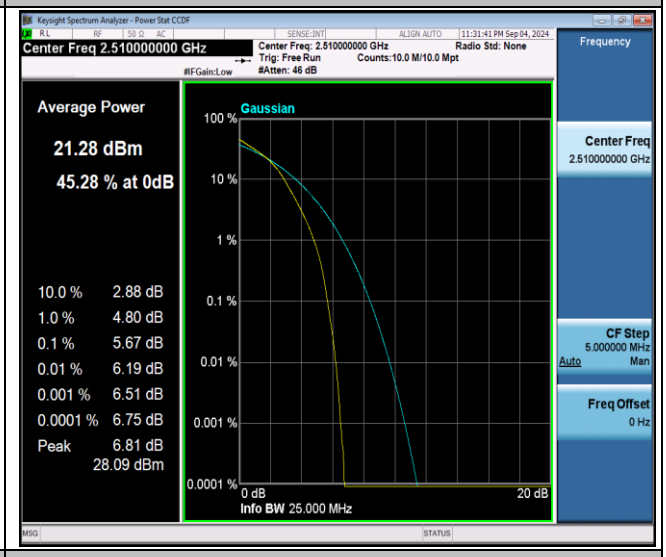
Band7-20MHz-QPSK-20850-100RB#0-PASS



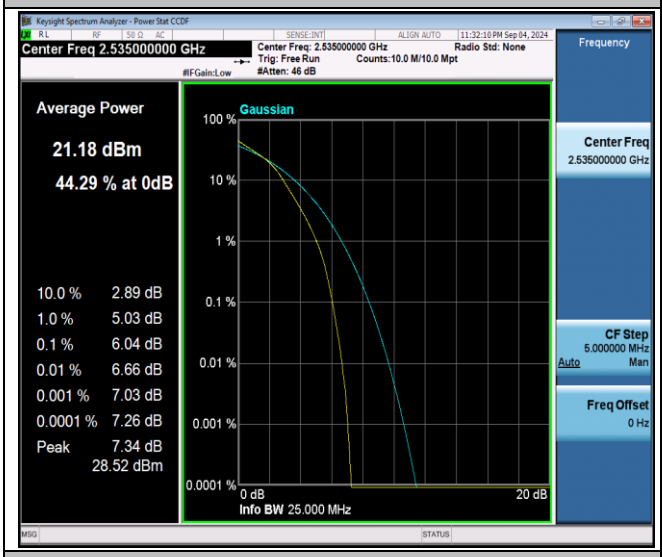
Band7-20MHz-QPSK-21100-100RB#0-PASS



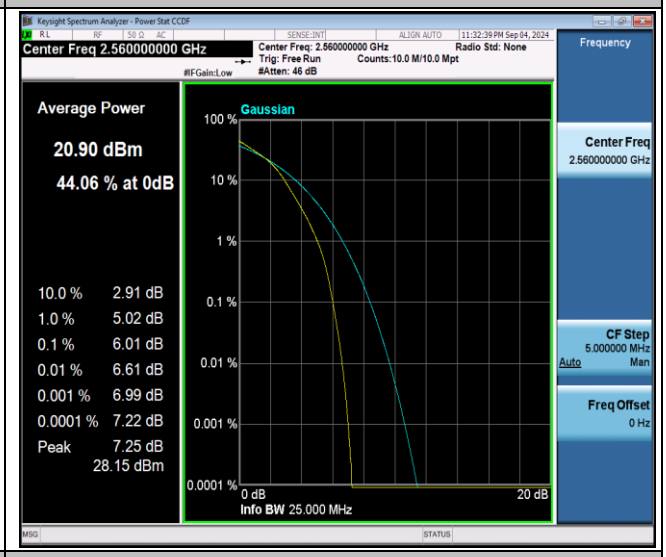
Band7-20MHz-QPSK-21350-100RB#0-PASS



Band7-20MHz-16QAM-20850-100RB#0-PASS



Band7-20MHz-16QAM-21100-100RB#0-PASS



Band7-20MHz-16QAM-21350-100RB#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
Band7	5MHz	QPSK	20775	25RB#0	4.5086	5.008	PASS
Band7	5MHz	QPSK	21100	25RB#0	4.5007	4.996	PASS
Band7	5MHz	QPSK	21425	25RB#0	4.5088	5.028	PASS
Band7	5MHz	16QAM	20775	25RB#0	4.5041	4.996	PASS
Band7	5MHz	16QAM	21100	25RB#0	4.5111	5.035	PASS
Band7	5MHz	16QAM	21425	25RB#0	4.5013	4.981	PASS
Band7	10MHz	QPSK	20800	50RB#0	8.9707	9.921	PASS
Band7	10MHz	QPSK	21100	50RB#0	8.9739	9.901	PASS
Band7	10MHz	QPSK	21400	50RB#0	8.9838	9.923	PASS
Band7	10MHz	16QAM	20800	50RB#0	8.9728	9.859	PASS
Band7	10MHz	16QAM	21100	50RB#0	8.9664	9.915	PASS
Band7	10MHz	16QAM	21400	50RB#0	8.9743	9.880	PASS
Band7	15MHz	QPSK	20825	75RB#0	13.470	14.84	PASS
Band7	15MHz	QPSK	21100	75RB#0	13.461	14.86	PASS
Band7	15MHz	QPSK	21375	75RB#0	13.478	14.87	PASS
Band7	15MHz	16QAM	20825	75RB#0	13.457	14.72	PASS
Band7	15MHz	16QAM	21100	75RB#0	13.464	14.81	PASS
Band7	15MHz	16QAM	21375	75RB#0	13.465	14.70	PASS
Band7	20MHz	QPSK	20850	100RB#0	17.889	19.46	PASS
Band7	20MHz	QPSK	21100	100RB#0	17.915	19.47	PASS
Band7	20MHz	QPSK	21350	100RB#0	17.922	19.53	PASS
Band7	20MHz	16QAM	20850	100RB#0	17.947	19.54	PASS
Band7	20MHz	16QAM	21100	100RB#0	17.964	19.44	PASS
Band7	20MHz	16QAM	21350	100RB#0	17.967	19.50	PASS

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Test Graphs

Band7-5MHz-QPSK-20775-25RB#0-PASS

Band7-5MHz-QPSK-21100-25RB#0-PASS

Band7-5MHz-QPSK-21425-25RB#0-PASS

Band7-5MHz-16QAM-20775-25RB#0-PASS

Band7-5MHz-16QAM-21100-25RB#0-PASS

Band7-5MHz-16QAM-21425-25RB#0-PASS

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Band7-10MHz-QPSK-20800-50RB#0-PASS

Band7-10MHz-QPSK-21100-50RB#0-PASS

Band7-10MHz-QPSK-21400-50RB#0-PASS

Band7-10MHz-16QAM-20800-50RB#0-PASS

Band7-10MHz-16QAM-21100-50RB#0-PASS

Band7-10MHz-16QAM-21400-50RB#0-PASS

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Band7-15MHz-QPSK-20825-75RB#0-PASS

Band7-15MHz-QPSK-21100-75RB#0-PASS

Band7-15MHz-QPSK-21375-75RB#0-PASS

Band7-15MHz-16QAM-20825-75RB#0-PASS

Band7-15MHz-16QAM-21100-75RB#0-PASS

Band7-15MHz-16QAM-21375-75RB#0-PASS

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Band7-20MHz-QPSK-20850-100RB#0-PASS

Band7-20MHz-QPSK-21100-100RB#0-PASS

Band7-20MHz-QPSK-21350-100RB#0-PASS

Band7-20MHz-16QAM-20850-100RB#0-PASS

Band7-20MHz-16QAM-21100-100RB#0-PASS

Band7-20MHz-16QAM-21350-100RB#0-PASS

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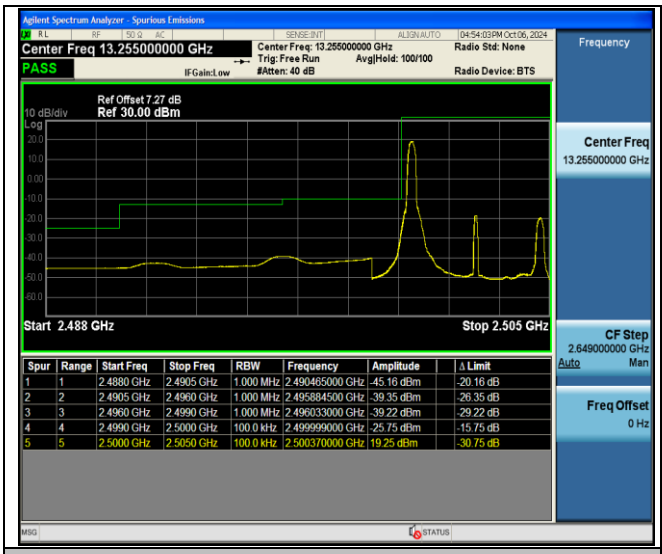
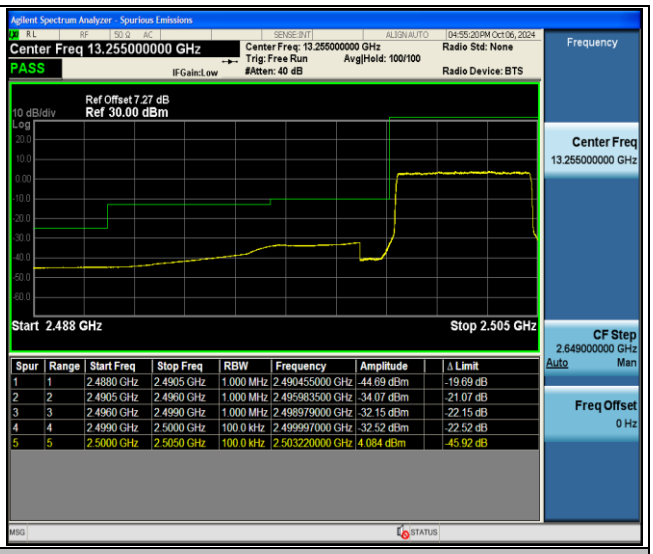
Band Edge

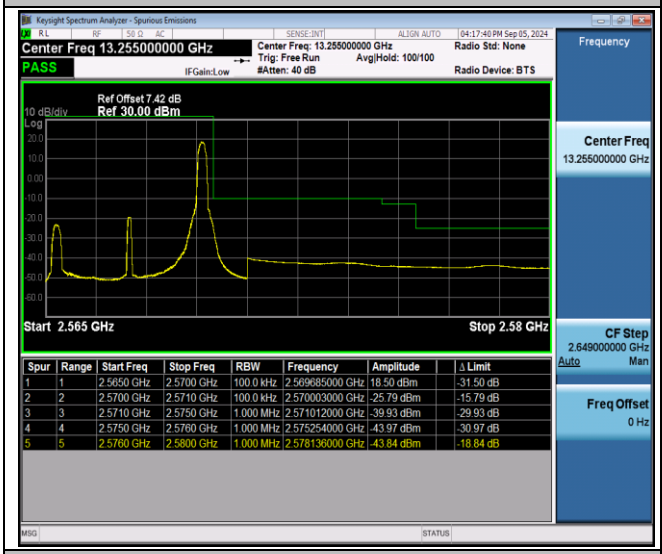
Test Graphs



Band7-5MHz-QPSK-20775-1RB#0-PASS

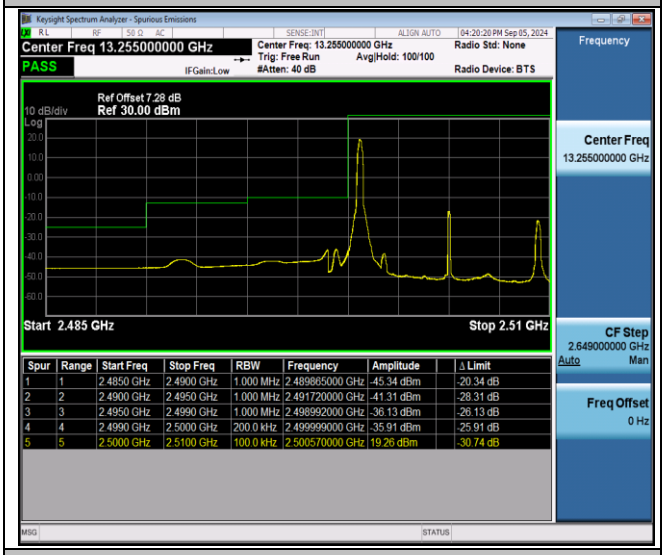


Band7-5MHz-QPSK-20775-25RB#0-PASS

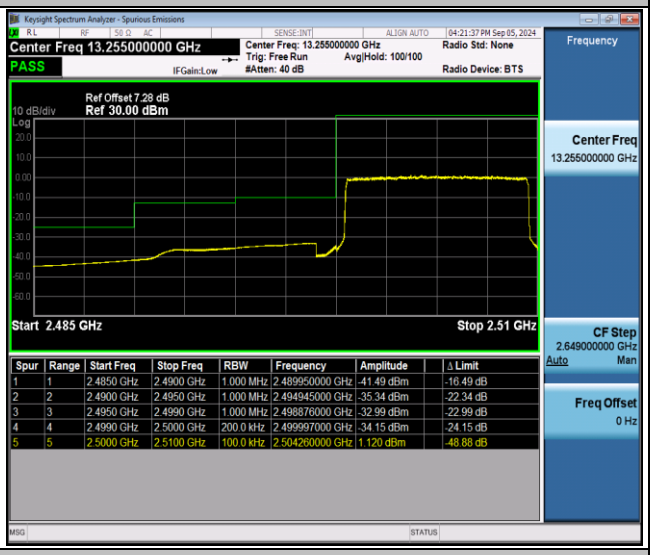


Band7-5MHz-QPSK-21425-1RB#24-PASS

Band7-5MHz-QPSK-21425-25RB#0-PASS



Band7-10MHz-QPSK-20800-1RB#0-PASS



Band7-10MHz-QPSK-20800-50RB#0-PASS

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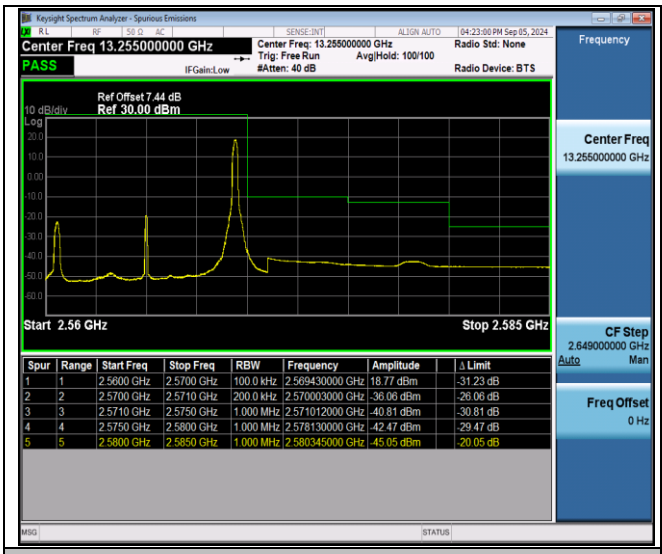
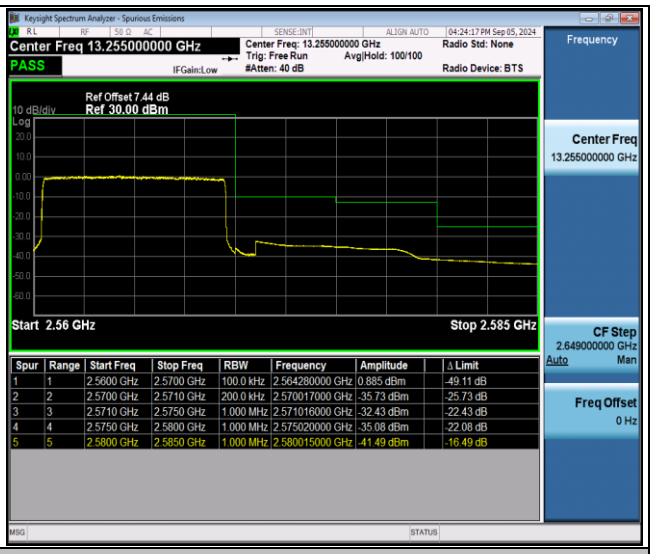
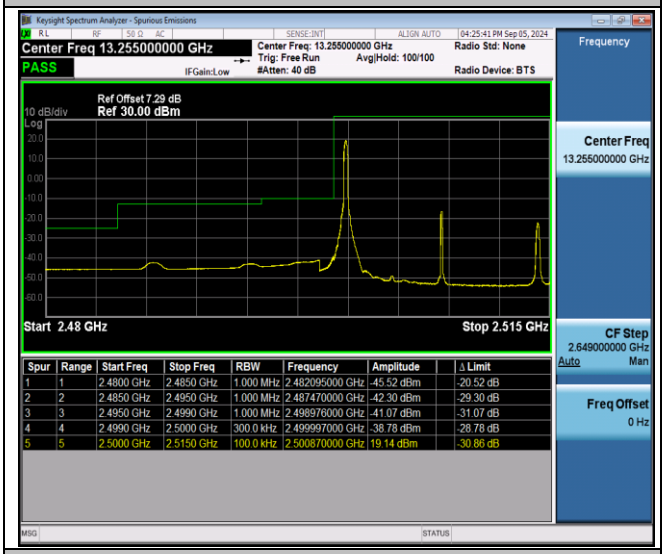


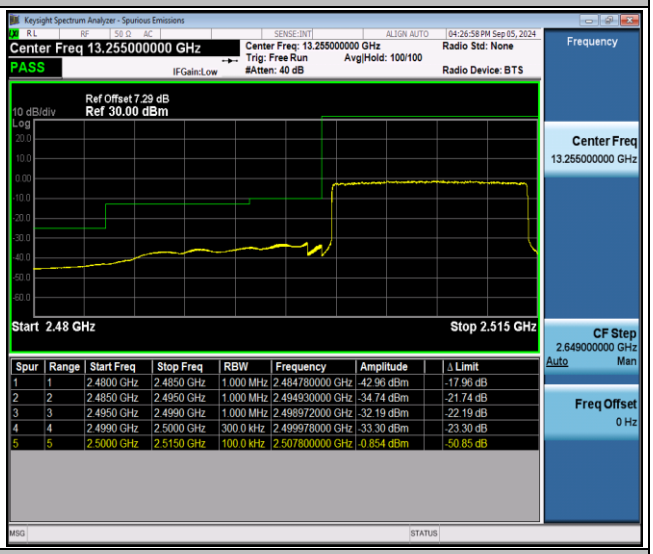
Band7-10MHz-QPSK-21400-1RB#49-PASS



Band7-10MHz-QPSK-21400-50RB#0-PASS



Band7-15MHz-QPSK-20825-1RB#0-PASS



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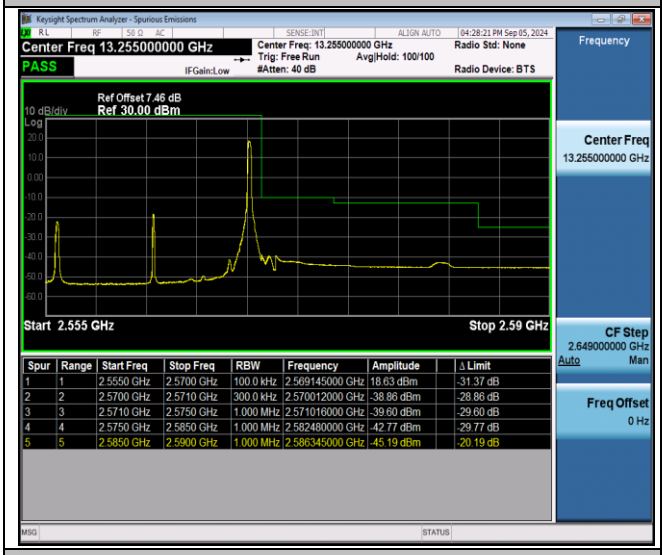

Band7-15MHz-QPSK-21375-1RB#74-PASS

Band7-15MHz-QPSK-21375-75RB#0-PASS

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