Appendix-A LTE Band 2

Effective (Isotropic) Radiated Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dBm)	EIRP (dBm)	Limit (dBm)	Verdict
Band2	1.4MHz	QPSK	18607	1RB#0	23.45	25.25	33.00	PASS
Band2	1.4MHz	QPSK	18607	1RB#2	23.62	25.42	33.00	PASS
Band2	1.4MHz	QPSK	18607	1RB#5	23.62	25.42	33.00	PASS
Band2	1.4MHz	QPSK	18607	6RB#0	22.74	24.54	33.00	PASS
Band2	1.4MHz	16QAM	18607	1RB#0	22.73	24.53	33.00	PASS
Band2	1.4MHz	16QAM	18607	1RB#2	22.3	24.1	33.00	PASS
Band2	1.4MHz	16QAM	18607	1RB#5	22.34	24.14	33.00	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	21.4	23.2	33.00	PASS
Band2	1.4MHz	QPSK	18900	1RB#0	23.57	25.37	33.00	PASS
Band2	1.4MHz	QPSK	18900	1RB#2	23.77	25.57	33.00	PASS
Band2	1.4MHz	QPSK	18900	1RB#5	23.63	25.43	33.00	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	22.68	24.48	33.00	PASS
Band2	1.4MHz	16QAM	18900	1RB#0	22.68	24.48	33.00	PASS
Band2	1.4MHz	16QAM	18900	1RB#2	22.56	24.36	33.00	PASS
Band2	1.4MHz	16QAM	18900	1RB#5	22.47	24.27	33.00	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	21.75	23.55	33.00	PASS
Band2	1.4MHz	QPSK	19193	1RB#0	23.68	25.48	33.00	PASS
Band2	1.4MHz	QPSK	19193	1RB#2	23.8	25.6	33.00	PASS
Band2	1.4MHz	QPSK	19193	1RB#5	23.71	25.51	33.00	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	22.91	24.71	33.00	PASS
Band2	1.4MHz	16QAM	19193	1RB#0	22.87	24.67	33.00	PASS
Band2	1.4MHz	16QAM	19193	1RB#2	22.54	24.34	33.00	PASS
Band2	1.4MHz	16QAM	19193	1RB#5	22.53	24.33	33.00	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	21.73	23.53	33.00	PASS
Band2	3MHz	QPSK	18615	1RB#0	23.61	25.41	33.00	PASS
Band2	3MHz	QPSK	18615	1RB#8	23.6	25.4	33.00	PASS
Band2	3MHz	QPSK	18615	1RB#14	23.68	25.48	33.00	PASS
Band2	3MHz	QPSK	18615	15RB#0	22.74	24.54	33.00	PASS
Band2	3MHz	16QAM	18615	1RB#0	22.47	24.27	33.00	PASS
Band2	3MHz	16QAM	18615	1RB#8	22.29	24.09	33.00	PASS
Band2	3MHz	16QAM	18615	1RB#14	22.6	24.4	33.00	PASS
Band2	3MHz	16QAM	18615	15RB#0	21.84	23.64	33.00	PASS
Band2	3MHz	QPSK	18900	1RB#0	23.46	25.26	33.00	PASS
Band2	3MHz	QPSK	18900	1RB#8	23.61	25.41	33.00	PASS
Band2	3MHz	QPSK	18900	1RB#14	23.41	25.21	33.00	PASS
Band2	3MHz	QPSK	18900	15RB#0	22.8	24.6	33.00	PASS
Band2	3MHz	16QAM	18900	1RB#0	22.36	24.16	33.00	PASS

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Band2	3MHz	16QAM	18900	1RB#8	22.64	24.44	33.00	PASS
Band2	3MHz	16QAM	18900	1RB#14	22.48	24.28	33.00	PASS
Band2	3MHz	16QAM	18900	15RB#0	21.69	23.49	33.00	PASS
Band2	3MHz	QPSK	19185	1RB#0	23.8	25.6	33.00	PASS
Band2	3MHz	QPSK	19185	1RB#8	23.84	25.64	33.00	PASS
Band2	3MHz	QPSK	19185	1RB#14	23.75	25.55	33.00	PASS
Band2	3MHz	QPSK	19185	15RB#0	22.75	24.55	33.00	PASS
Band2	3MHz	16QAM	19185	1RB#0	22.41	24.21	33.00	PASS
Band2	3MHz	16QAM	19185	1RB#8	22.86	24.66	33.00	PASS
Band2	3MHz	16QAM	19185	1RB#14	22.68	24.48	33.00	PASS
Band2	3MHz	16QAM	19185	15RB#0	21.83	23.63	33.00	PASS
Band2	5MHz	QPSK	18625	1RB#0	23.55	25.35	33.00	PASS
Band2	5MHz	QPSK	18625	1RB#12	23.89	25.69	33.00	PASS
Band2	5MHz	QPSK	18625	1RB#24	23.52	25.32	33.00	PASS
Band2	5MHz	QPSK	18625	25RB#0	22.77	24.57	33.00	PASS
Band2	5MHz	16QAM	18625	1RB#0	22.67	24.47	33.00	PASS
Band2	5MHz	16QAM	18625	1RB#12	22.74	24.54	33.00	PASS
Band2	5MHz	16QAM	18625	1RB#24	22.52	24.32	33.00	PASS
Band2	5MHz	16QAM	18625	25RB#0	21.84	23.64	33.00	PASS
Band2	5MHz	QPSK	18900	1RB#0	23.55	25.35	33.00	PASS
Band2	5MHz	QPSK	18900	1RB#12	23.66	25.46	33.00	PASS
Band2	5MHz	QPSK	18900	1RB#24	23.63	25.43	33.00	PASS
Band2	5MHz	QPSK	18900	25RB#0	22.72	24.52	33.00	PASS
Band2	5MHz	16QAM	18900	1RB#0	22.74	24.54	33.00	PASS
Band2	5MHz	16QAM	18900	1RB#12	22.55	24.35	33.00	PASS
Band2	5MHz	16QAM	18900	1RB#24	22.71	24.51	33.00	PASS
Band2	5MHz	16QAM	18900	25RB#0	21.77	23.57	33.00	PASS
Band2	5MHz	QPSK	19175	1RB#0	23.67	25.47	33.00	PASS
Band2	5MHz	QPSK	19175	1RB#12	23.69	25.49	33.00	PASS
Band2	5MHz	QPSK	19175	1RB#24	23.81	25.61	33.00	PASS
Band2	5MHz	QPSK	19175	25RB#0	22.89	24.69	33.00	PASS
Band2	5MHz	16QAM	19175	1RB#0	22.49	24.29	33.00	PASS
Band2	5MHz	16QAM	19175	1RB#12	22.87	24.67	33.00	PASS
Band2	5MHz	16QAM	19175	1RB#24	22.68	24.48	33.00	PASS
Band2	5MHz	16QAM	19175	25RB#0	21.88	23.68	33.00	PASS
Band2	10MHz	QPSK	18650	1RB#0	23.69	25.49	33.00	PASS
Band2	10MHz	QPSK	18650	1RB#24	23.72	25.52	33.00	PASS
Band2	10MHz	QPSK	18650	1RB#49	23.73	25.53	33.00	PASS
Band2	10MHz	QPSK	18650	50RB#0	22.87	24.67	33.00	PASS
Band2	10MHz	16QAM	18650	1RB#0	22.73	24.53	33.00	PASS
Band2	10MHz	16QAM	18650	1RB#24	22.76	24.56	33.00	PASS
Band2	10MHz	16QAM	18650	1RB#49	22.75	24.55	33.00	PASS
Band2	10MHz	16QAM	18650	50RB#0	21.73	23.53	33.00	PASS
Band2	10MHz	QPSK	18900	1RB#0	23.54	25.34	33.00	PASS
Band2	10MHz	QPSK	18900	1RB#24	23.68	25.48	33.00	PASS

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Band2	10MHz	QPSK	18900	1RB#49	23.66	25.46	33.00	PASS
Band2	10MHz	QPSK	18900	50RB#0	22.75	24.55	33.00	PASS
Band2	10MHz	16QAM	18900	1RB#0	22.64	24.44	33.00	PASS
Band2	10MHz	16QAM	18900	1RB#24	22.84	24.64	33.00	PASS
Band2	10MHz	16QAM	18900	1RB#49	22.61	24.41	33.00	PASS
Band2	10MHz	16QAM	18900	50RB#0	21.71	23.51	33.00	PASS
Band2	10MHz	QPSK	19150	1RB#0	23.96	25.76	33.00	PASS
Band2	10MHz	QPSK	19150	1RB#24	23.81	25.61	33.00	PASS
Band2	10MHz	QPSK	19150	1RB#49	23.86	25.66	33.00	PASS
Band2	10MHz	QPSK	19150	50RB#0	22.84	24.64	33.00	PASS
Band2	10MHz	16QAM	19150	1RB#0	22.73	24.53	33.00	PASS
Band2	10MHz	16QAM	19150	1RB#24	22.7	24.5	33.00	PASS
Band2	10MHz	16QAM	19150	1RB#49	22.86	24.66	33.00	PASS
Band2	10MHz	16QAM	19150	50RB#0	21.83	23.63	33.00	PASS
Band2	15MHz	QPSK	18675	1RB#0	23.63	25.43	33.00	PASS
Band2	15MHz	QPSK	18675	1RB#38	23.67	25.47	33.00	PASS
Band2	15MHz	QPSK	18675	1RB#74	23.57	25.37	33.00	PASS
Band2	15MHz	QPSK	18675	75RB#0	22.79	24.59	33.00	PASS
Band2	15MHz	16QAM	18675	1RB#0	22.77	24.57	33.00	PASS
Band2	15MHz	16QAM	18675	1RB#38	22.37	24.17	33.00	PASS
Band2	15MHz	16QAM	18675	1RB#74	22.57	24.37	33.00	PASS
Band2	15MHz	16QAM	18675	75RB#0	21.84	23.64	33.00	PASS
Band2	15MHz	QPSK	18900	1RB#0	23.63	25.43	33.00	PASS
Band2	15MHz	QPSK	18900	1RB#38	23.86	25.66	33.00	PASS
Band2	15MHz	QPSK	18900	1RB#74	23.63	25.43	33.00	PASS
Band2	15MHz	QPSK	18900	75RB#0	22.71	24.51	33.00	PASS
Band2	15MHz	16QAM	18900	1RB#0	22.41	24.21	33.00	PASS
Band2	15MHz	16QAM	18900	1RB#38	22.72	24.52	33.00	PASS
Band2	15MHz	16QAM	18900	1RB#74	22.72	24.52	33.00	PASS
Band2	15MHz	16QAM	18900	75RB#0	21.67	23.47	33.00	PASS
Band2	15MHz	QPSK	19125	1RB#0	23.81	25.61	33.00	PASS
Band2	15MHz	QPSK	19125	1RB#38	23.89	25.69	33.00	PASS
Band2	15MHz	QPSK	19125	1RB#74	23.74	25.54	33.00	PASS
Band2	15MHz	QPSK	19125	75RB#0	22.67	24.47	33.00	PASS
Band2	15MHz	16QAM	19125	1RB#0	22.87	24.67	33.00	PASS
Band2	15MHz	16QAM	19125	1RB#38	22.88	24.68	33.00	PASS
Band2	15MHz	16QAM	19125	1RB#74	22.76	24.56	33.00	PASS
Band2	15MHz	16QAM	19125	75RB#0	21.89	23.69	33.00	PASS
Band2	20MHz	QPSK	18700	1RB#0	23.58	25.38	33.00	PASS
Band2	20MHz	QPSK	18700	1RB#49	23.9	25.7	33.00	PASS
Band2	20MHz	QPSK	18700	1RB#99	23.74	25.54	33.00	PASS
Band2	20MHz	QPSK	18700	100RB#0	22.75	24.55	33.00	PASS
Band2	20MHz	16QAM	18700	1RB#0	22.56	24.36	33.00	PASS
Band2	20MHz	16QAM	18700	1RB#49	22.74	24.54	33.00	PASS
Band2	20MHz	16QAM	18700	1RB#99	22.32	24.12	33.00	PASS

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Band2	20MHz	16QAM	18700	100RB#0	21.79	23.59	33.00	PASS
Band2	20MHz	QPSK	18900	1RB#0	23.73	25.53	33.00	PASS
Band2	20MHz	QPSK	18900	1RB#49	23.69	25.49	33.00	PASS
Band2	20MHz	QPSK	18900	1RB#99	23.69	25.49	33.00	PASS
Band2	20MHz	QPSK	18900	100RB#0	22.72	24.52	33.00	PASS
Band2	20MHz	16QAM	18900	1RB#0	22.65	24.45	33.00	PASS
Band2	20MHz	16QAM	18900	1RB#49	22.28	24.08	33.00	PASS
Band2	20MHz	16QAM	18900	1RB#99	22.82	24.62	33.00	PASS
Band2	20MHz	16QAM	18900	100RB#0	21.78	23.58	33.00	PASS
Band2	20MHz	QPSK	19100	1RB#0	23.85	25.65	33.00	PASS
Band2	20MHz	QPSK	19100	1RB#49	23.69	25.49	33.00	PASS
Band2	20MHz	QPSK	19100	1RB#99	23.77	25.57	33.00	PASS
Band2	20MHz	QPSK	19100	100RB#0	22.86	24.66	33.00	PASS
Band2	20MHz	16QAM	19100	1RB#0	22.73	24.53	33.00	PASS
Band2	20MHz	16QAM	19100	1RB#49	22.71	24.51	33.00	PASS
Band2	20MHz	16QAM	19100	1RB#99	22.57	24.37	33.00	PASS
Band2	20MHz	16QAM	19100	100RB#0	21.76	23.56	33.00	PASS

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Peak-to-Average Ratio(CCDF)

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dB)	Limit (dB)	Verdict
Band2	20MHz	QPSK	18700	100RB#0	5.58	13	PASS
Band2	20MHz	16QAM	18700	100RB#0	6.40	13	PASS
Band2	20MHz	QPSK	18900	100RB#0	5.69	13	PASS
Band2	20MHz	16QAM	18900	100RB#0	6.46	13	PASS
Band2	20MHz	QPSK	19100	100RB#0	5.37	13	PASS
Band2	20MHz	16QAM	19100	100RB#0	6.22	13	PASS

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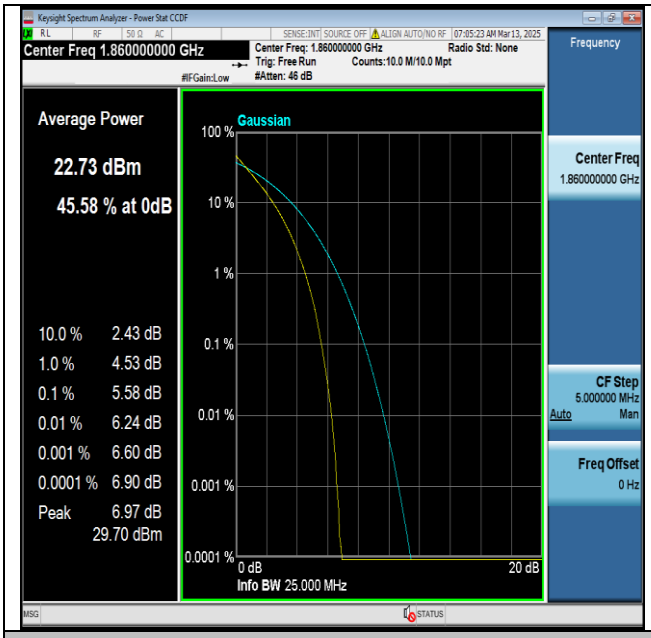
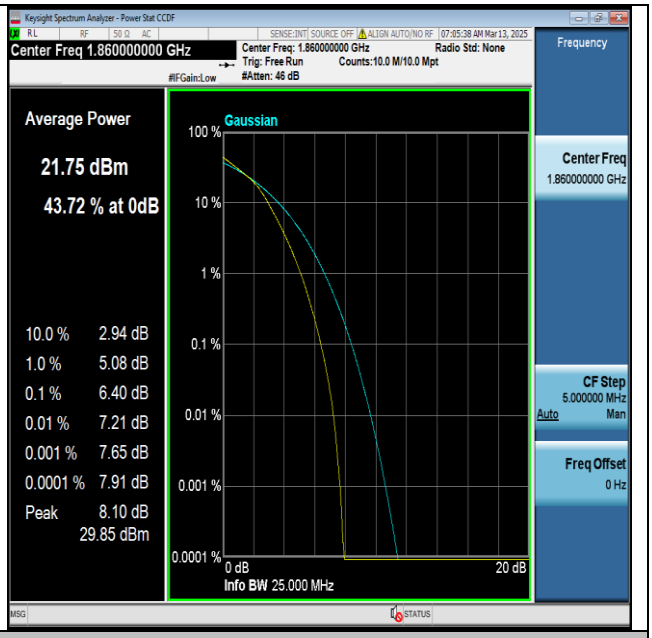
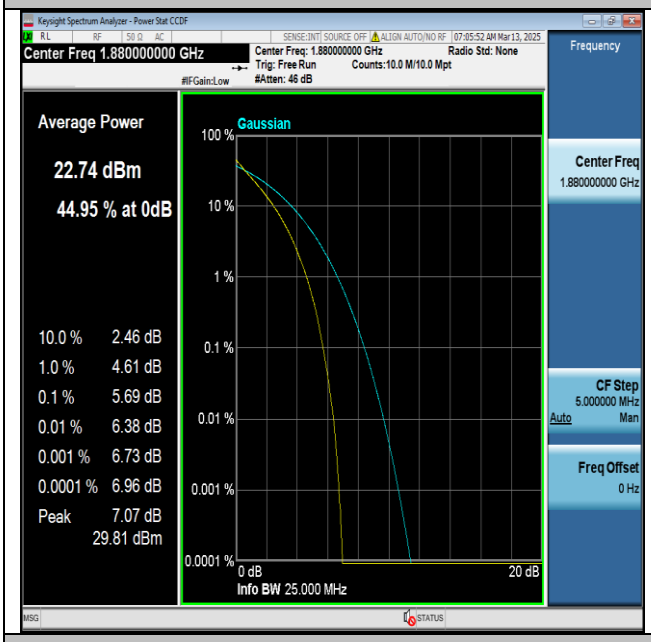
Test Graphs



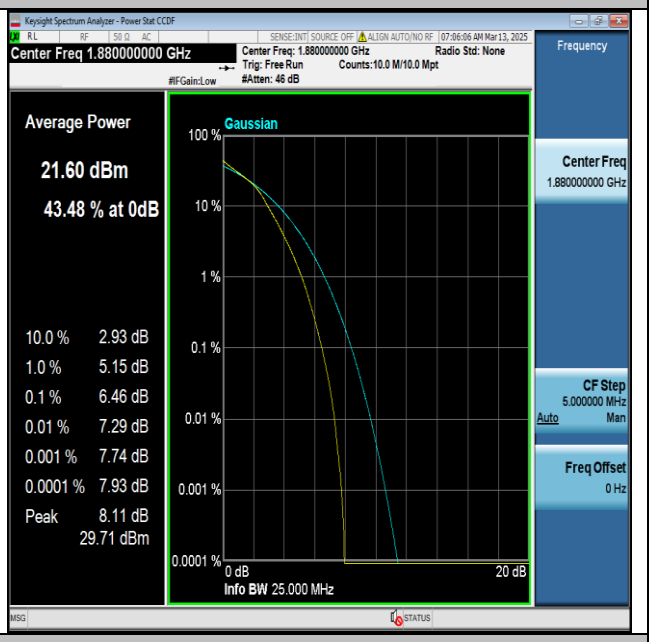
Band2-20MHz-QPSK-18700-100RB#0-PASS



Band2-20MHz-16QAM-18700-100RB#0-PASS



Band2-20MHz-QPSK-18900-100RB#0-PASS



Band2-20MHz-16QAM-18900-100RB#0-PASS

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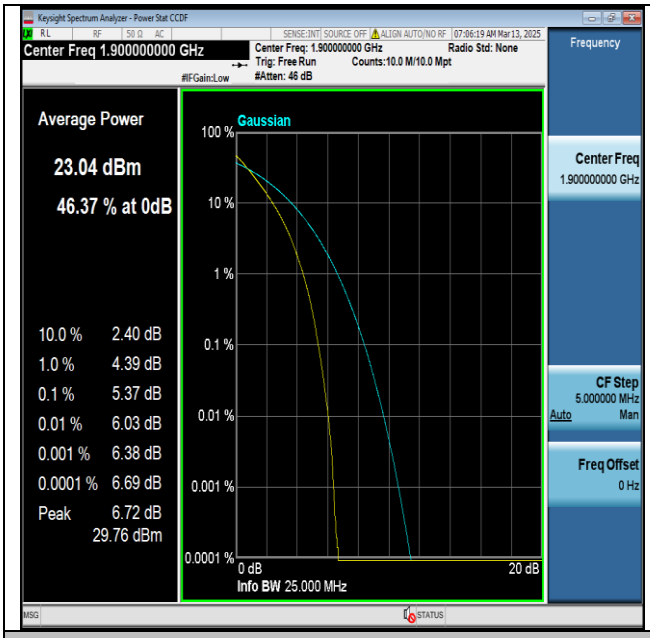
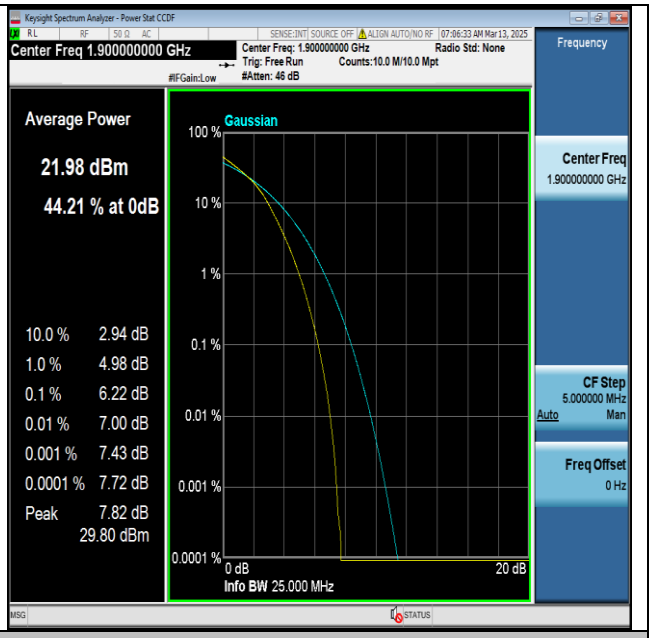


Band2-20MHz-QPSK-19100-100RB#0-PASS



Band2-20MHz-16QAM-19100-100RB#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
Band2	1.4MHz	QPSK	18607	6RB#0	1.0922	1.264	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	1.0987	1.279	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	1.0905	1.287	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	1.0979	1.279	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	1.0900	1.273	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	1.1006	1.288	PASS
Band2	3MHz	QPSK	18615	15RB#0	2.6986	2.951	PASS
Band2	3MHz	16QAM	18615	15RB#0	2.6949	2.953	PASS
Band2	3MHz	QPSK	18900	15RB#0	2.6972	2.964	PASS
Band2	3MHz	16QAM	18900	15RB#0	2.6970	2.956	PASS
Band2	3MHz	QPSK	19185	15RB#0	2.6989	2.946	PASS
Band2	3MHz	16QAM	19185	15RB#0	2.6871	2.964	PASS
Band2	5MHz	QPSK	18625	25RB#0	4.4863	4.967	PASS
Band2	5MHz	16QAM	18625	25RB#0	4.4934	4.934	PASS
Band2	5MHz	QPSK	18900	25RB#0	4.4854	4.957	PASS
Band2	5MHz	16QAM	18900	25RB#0	4.4902	4.979	PASS
Band2	5MHz	QPSK	19175	25RB#0	4.4882	4.938	PASS
Band2	5MHz	16QAM	19175	25RB#0	4.4908	4.915	PASS
Band2	10MHz	QPSK	18650	50RB#0	8.9561	9.754	PASS
Band2	10MHz	16QAM	18650	50RB#0	8.9554	9.748	PASS
Band2	10MHz	QPSK	18900	50RB#0	8.9916	9.778	PASS
Band2	10MHz	16QAM	18900	50RB#0	8.9471	9.869	PASS
Band2	10MHz	QPSK	19150	50RB#0	8.9715	9.823	PASS
Band2	10MHz	16QAM	19150	50RB#0	8.9307	9.785	PASS
Band2	15MHz	QPSK	18675	75RB#0	13.428	14.63	PASS
Band2	15MHz	16QAM	18675	75RB#0	13.424	14.67	PASS
Band2	15MHz	QPSK	18900	75RB#0	13.459	14.68	PASS
Band2	15MHz	16QAM	18900	75RB#0	13.436	14.54	PASS
Band2	15MHz	QPSK	19125	75RB#0	13.408	14.64	PASS
Band2	15MHz	16QAM	19125	75RB#0	13.378	14.59	PASS
Band2	20MHz	QPSK	18700	100RB#0	17.932	19.53	PASS
Band2	20MHz	16QAM	18700	100RB#0	17.856	19.38	PASS
Band2	20MHz	QPSK	18900	100RB#0	17.948	19.64	PASS
Band2	20MHz	16QAM	18900	100RB#0	17.932	19.36	PASS
Band2	20MHz	QPSK	19100	100RB#0	17.844	19.48	PASS
Band2	20MHz	16QAM	19100	100RB#0	17.854	19.34	PASS

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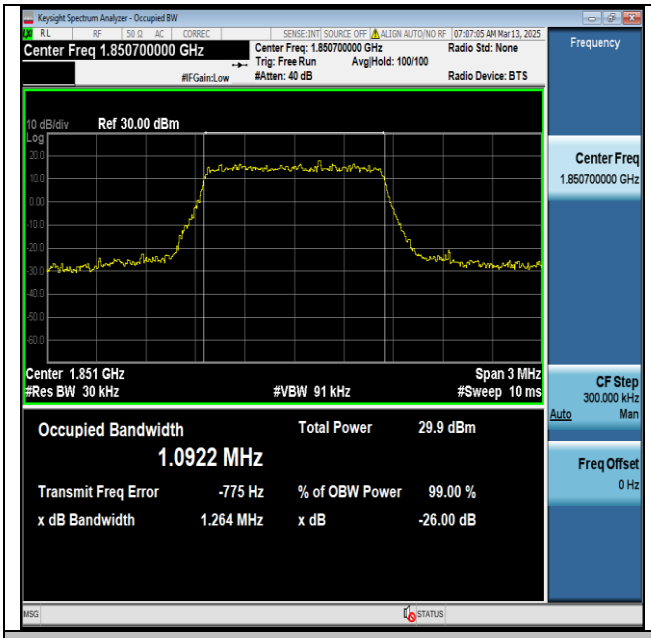
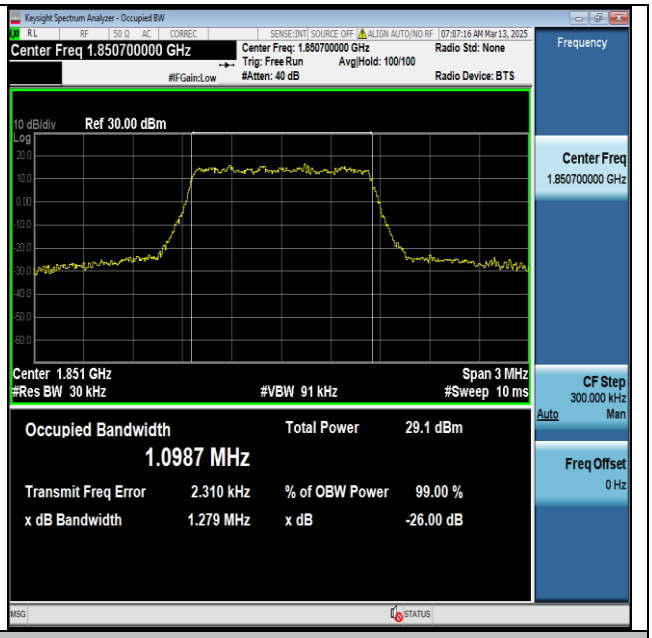
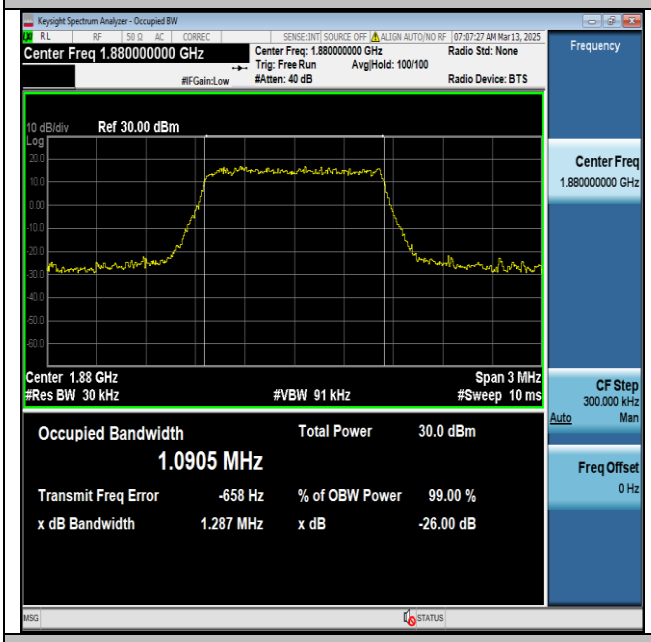
Test Graphs



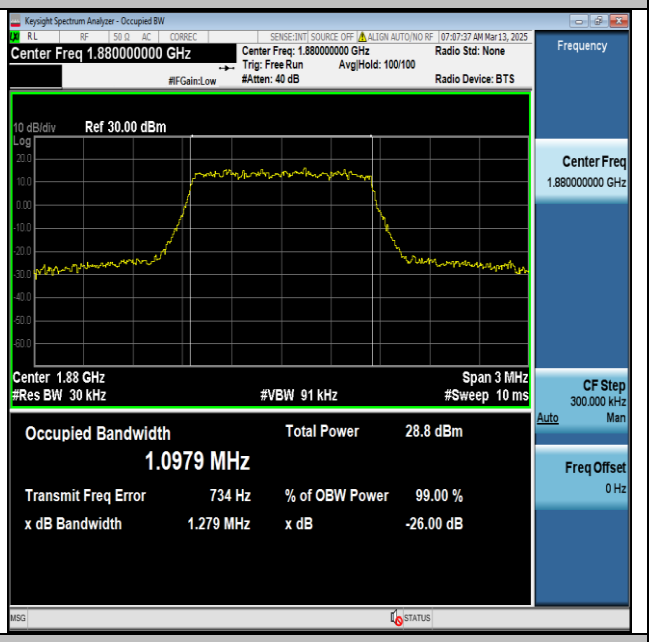
Band2-1.4MHz-QPSK-18607-6RB#0-PASS



Band2-1.4MHz-16QAM-18607-6RB#0-PASS



Band2-1.4MHz-QPSK-18900-6RB#0-PASS



Band2-1.4MHz-16QAM-18900-6RB#0-PASS

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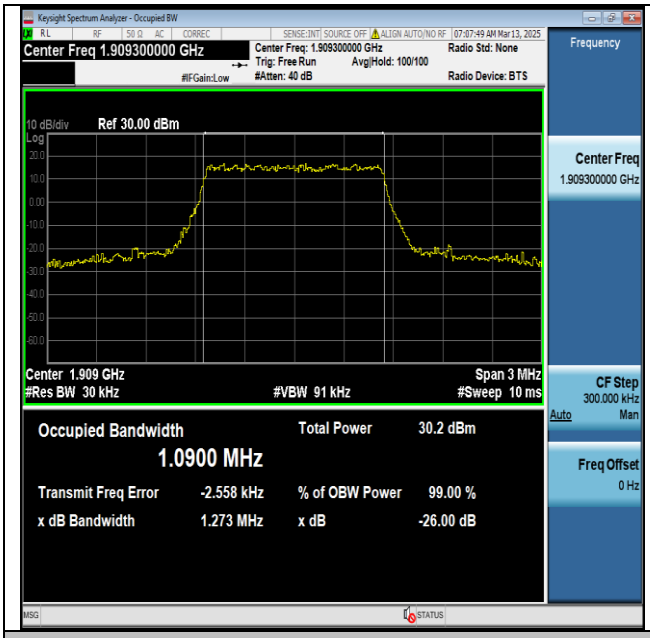
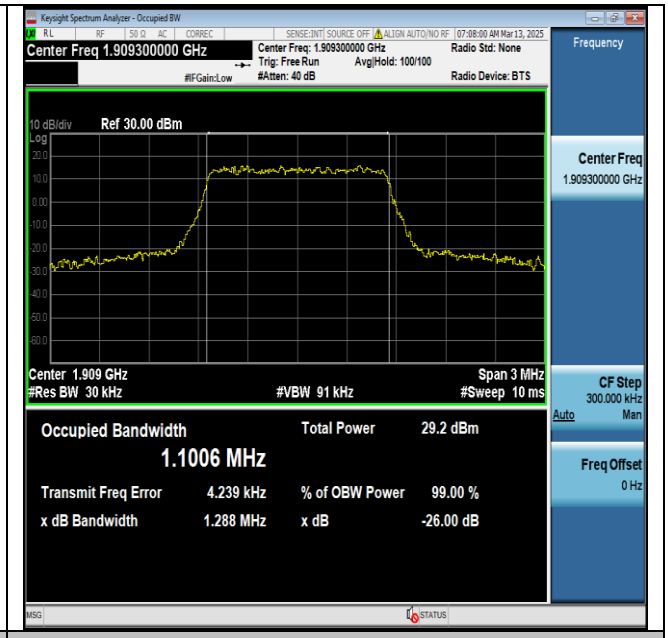
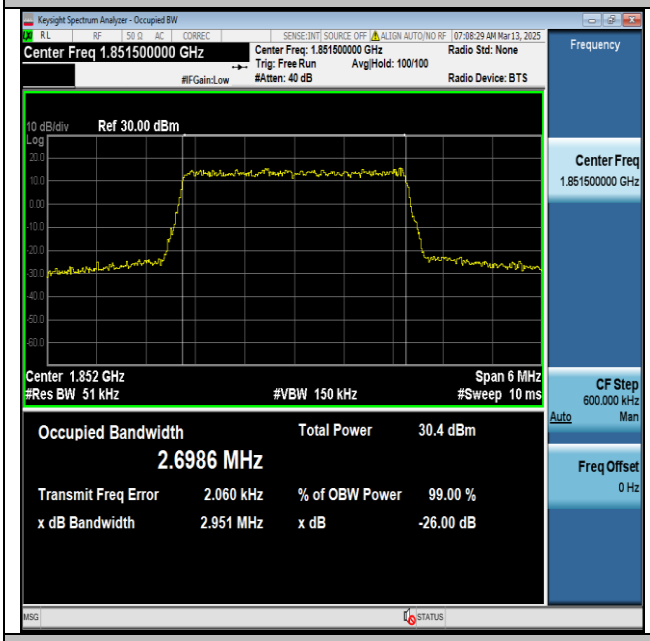


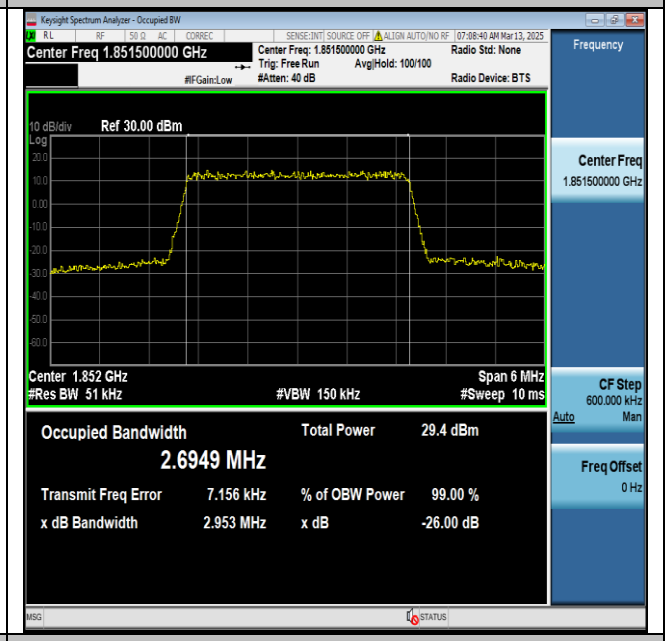
Band2-1.4MHz-QPSK-19193-6RB#0-PASS



Band2-1.4MHz-16QAM-19193-6RB#0-PASS



Band2-3MHz-QPSK-18615-15RB#0-PASS



Band2-3MHz-16QAM-18615-15RB#0-PASS

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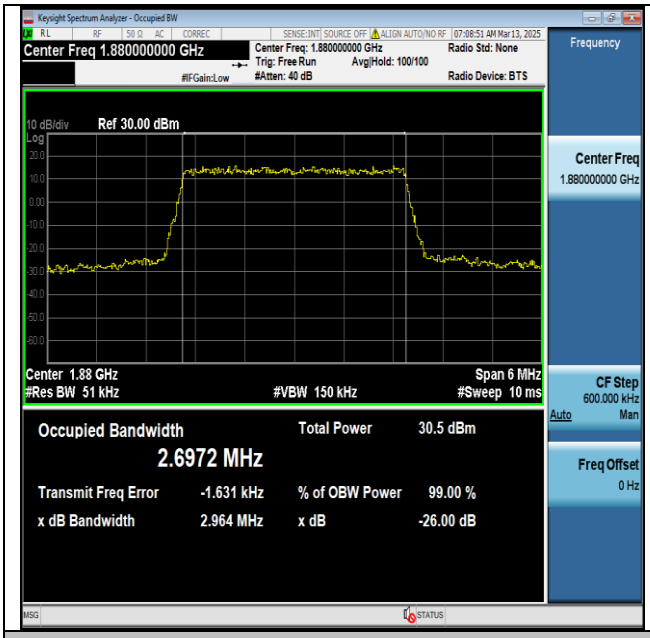

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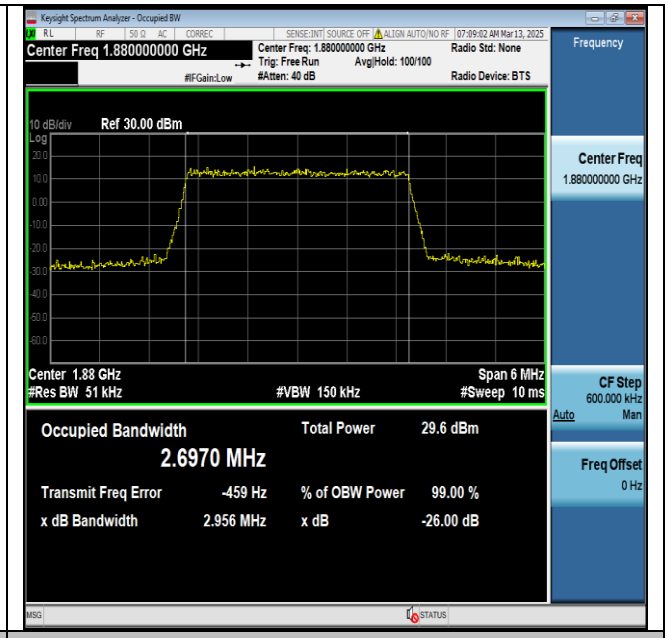

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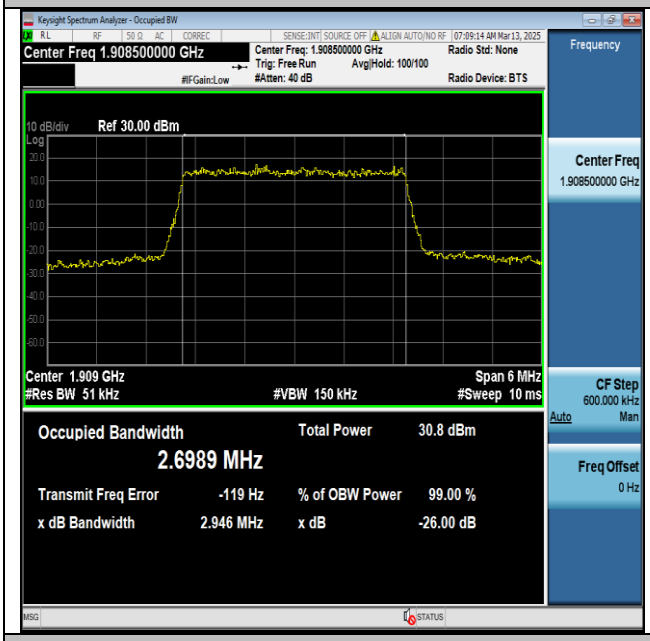
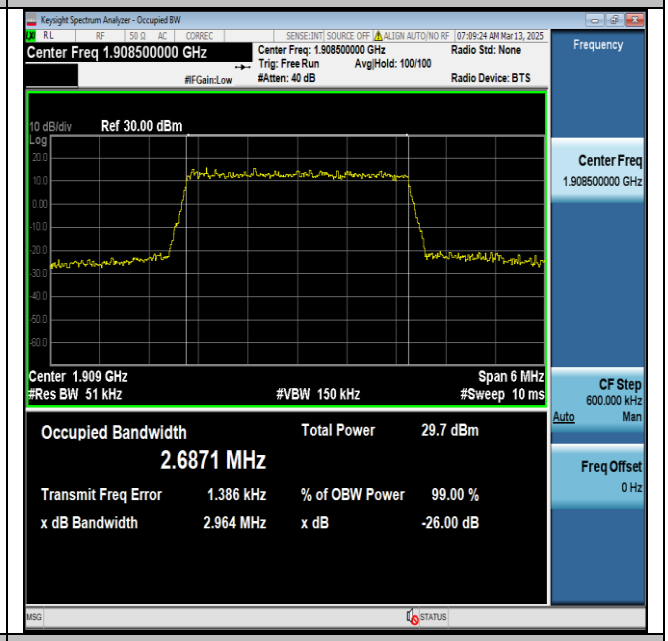


Band2-3MHz-QPSK-19185-15RB#0-PASS



Band2-3MHz-16QAM-19185-15RB#0-PASS

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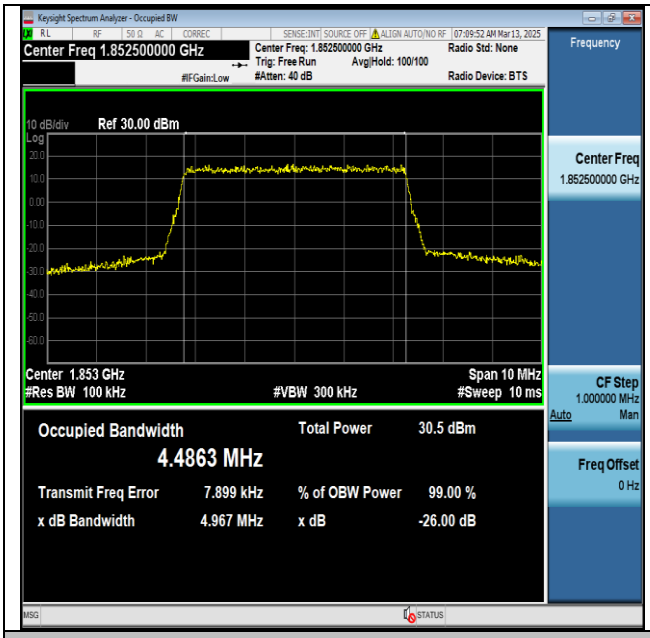

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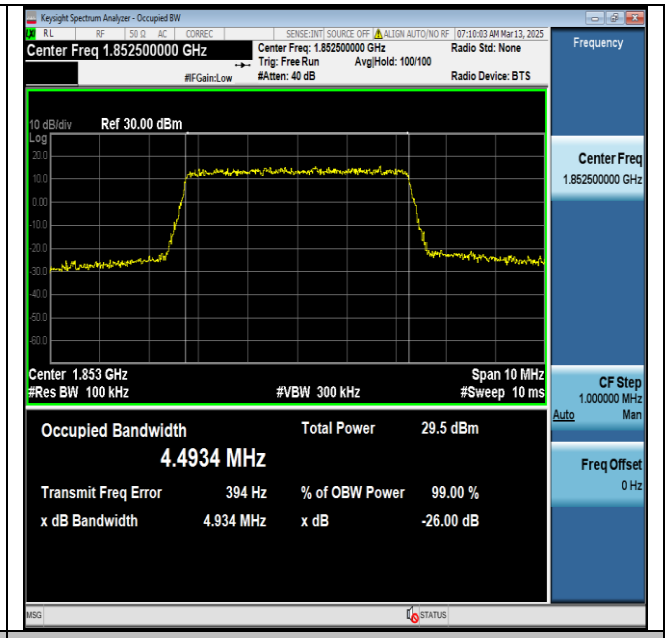

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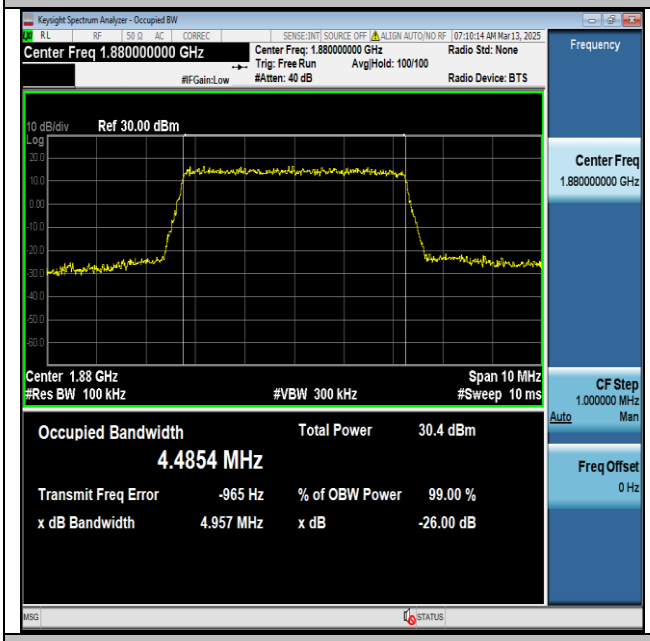

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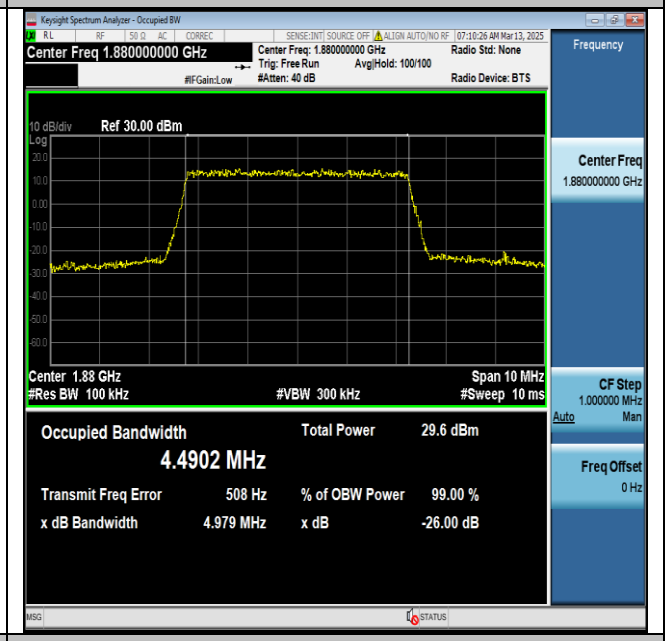

Band2-5MHz-16QAM-18900-25RB#0-PASS

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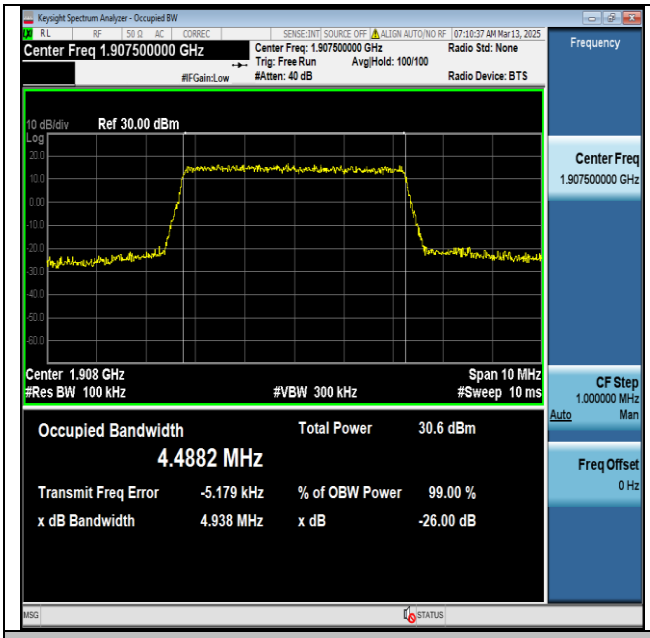

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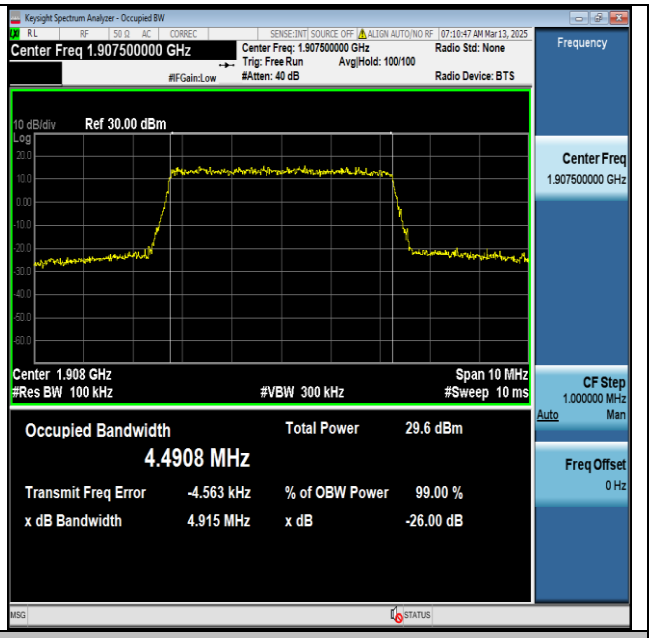

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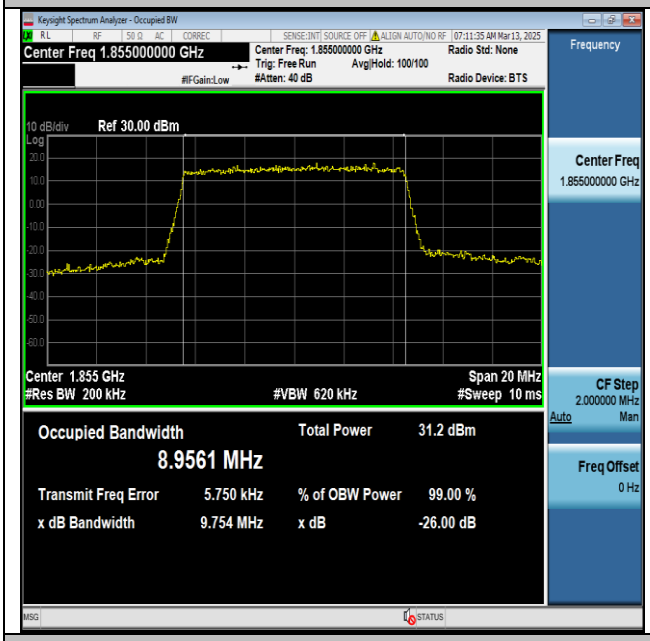

Band2-10MHz-QPSK-18650-50RB#0-PASS

Band2-10MHz-16QAM-18650-50RB#0-PASS

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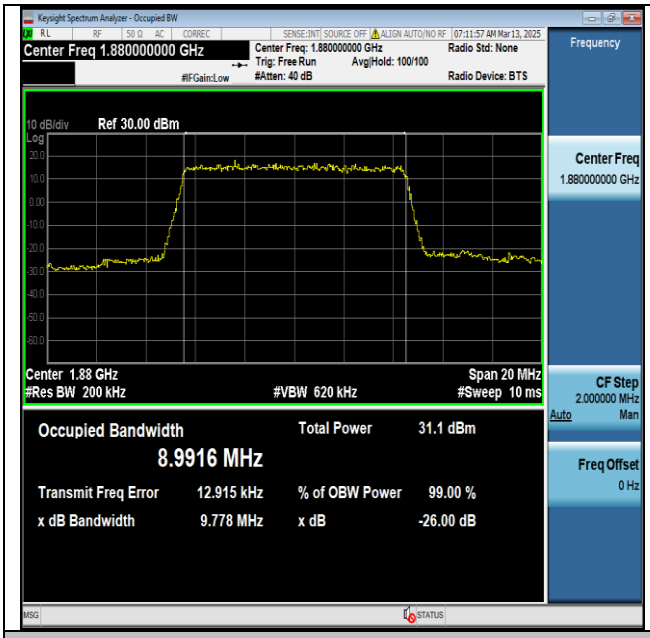

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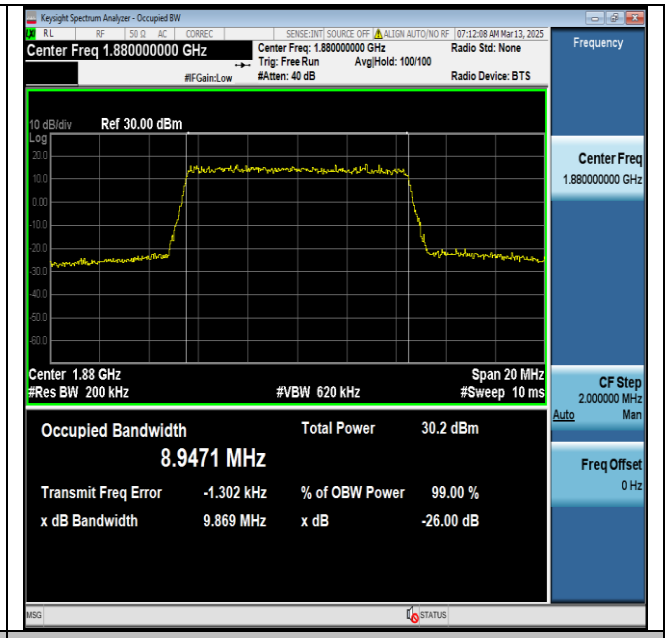
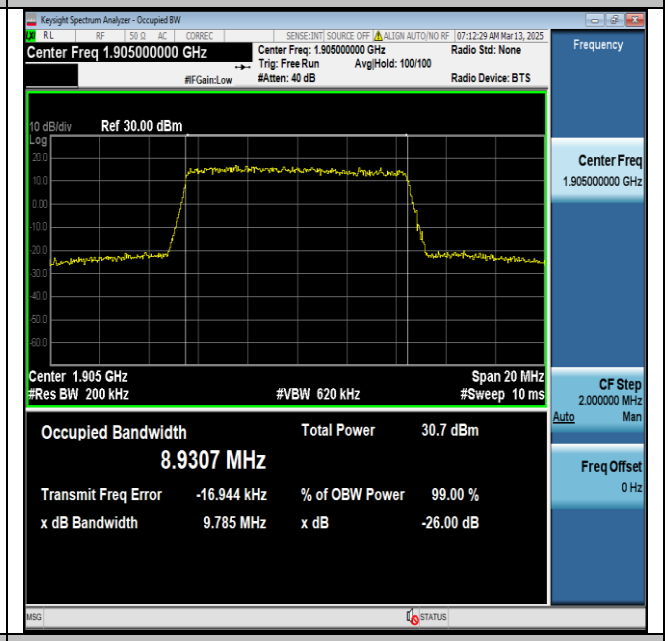


Band2-10MHz-16QAM-18900-50RB#0-PASS

Band2-10MHz-QPSK-19150-50RB#0-PASS



Band2-10MHz-16QAM-19150-50RB#0-PASS

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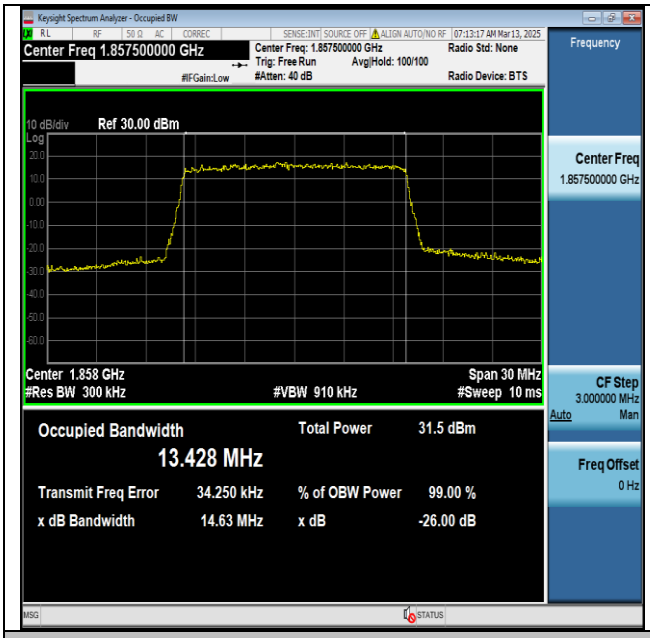
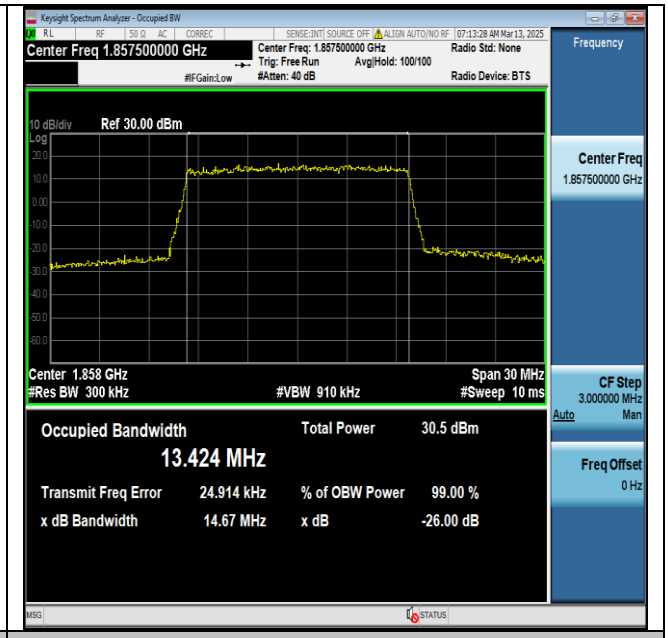


Band2-15MHz-QPSK-18675-75RB#0-PASS



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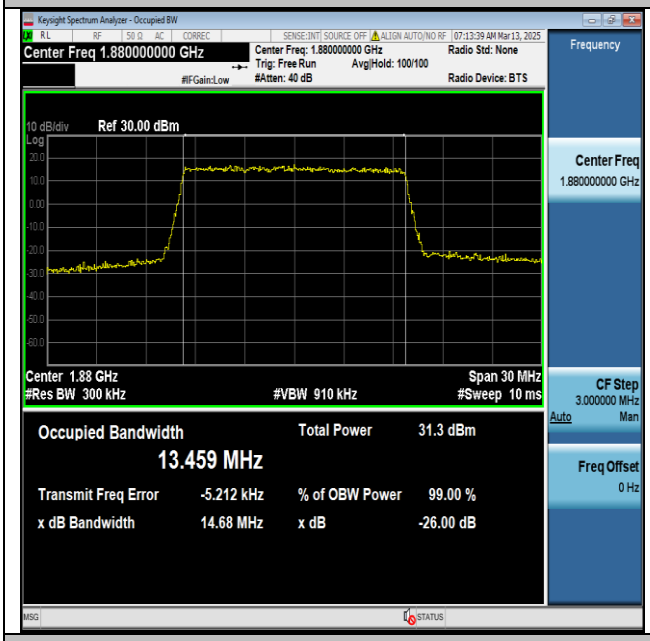

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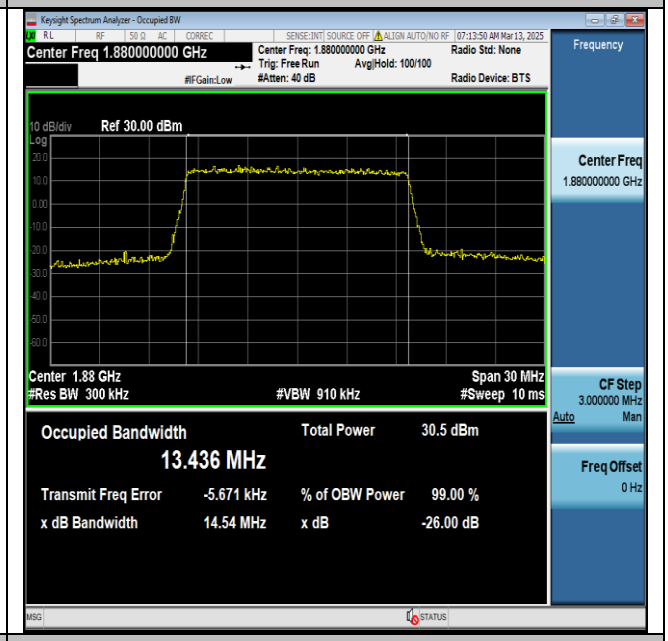

Band2-15MHz-16QAM-18900-75RB#0-PASS

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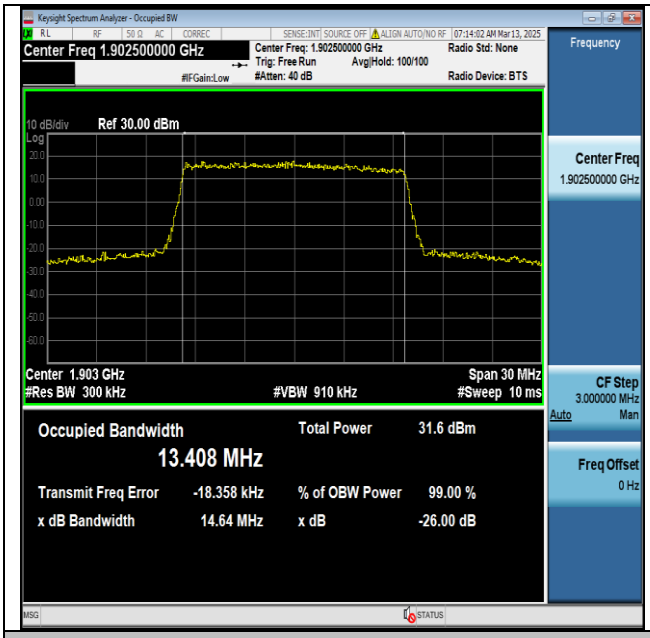
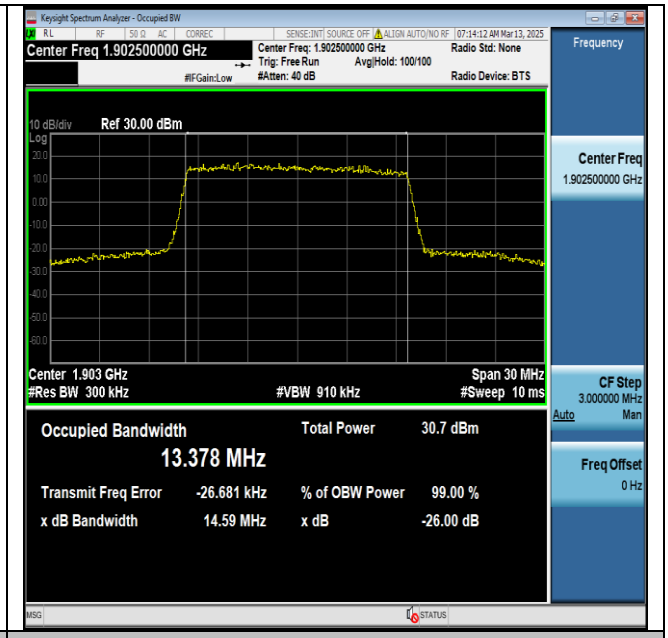
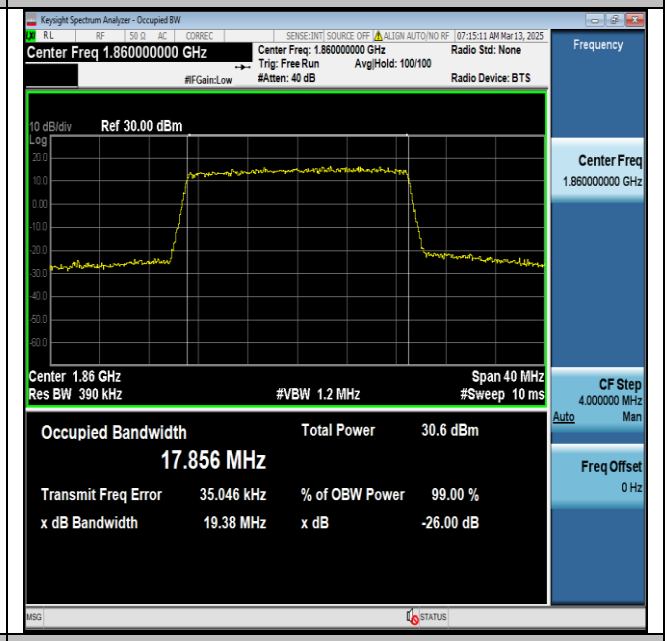


Band2-15MHz-QPSK-19125-75RB#0-PASS



Band2-15MHz-16QAM-19125-75RB#0-PASS

Band2-20MHz-QPSK-18700-100RB#0-PASS



Band2-20MHz-16QAM-18700-100RB#0-PASS

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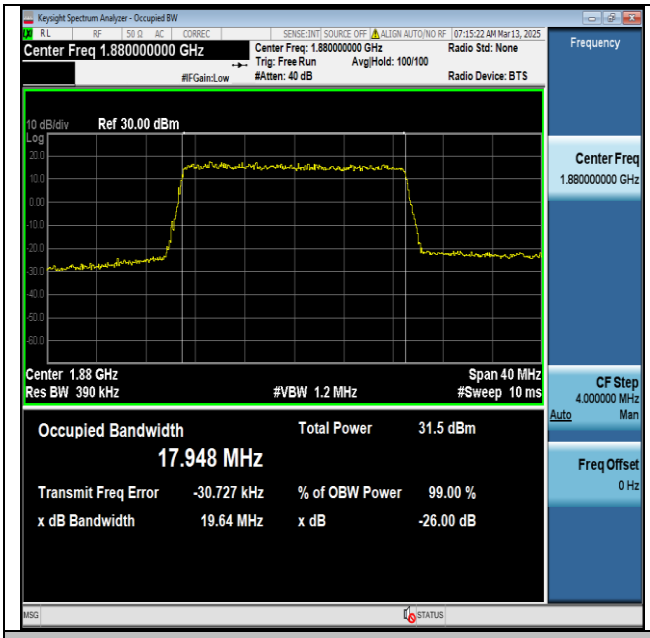
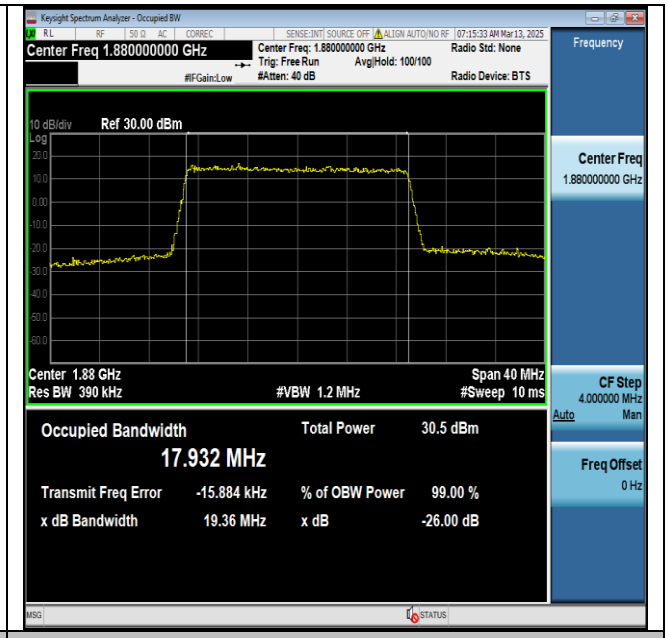


Band2-20MHz-QPSK-18900-100RB#0-PASS



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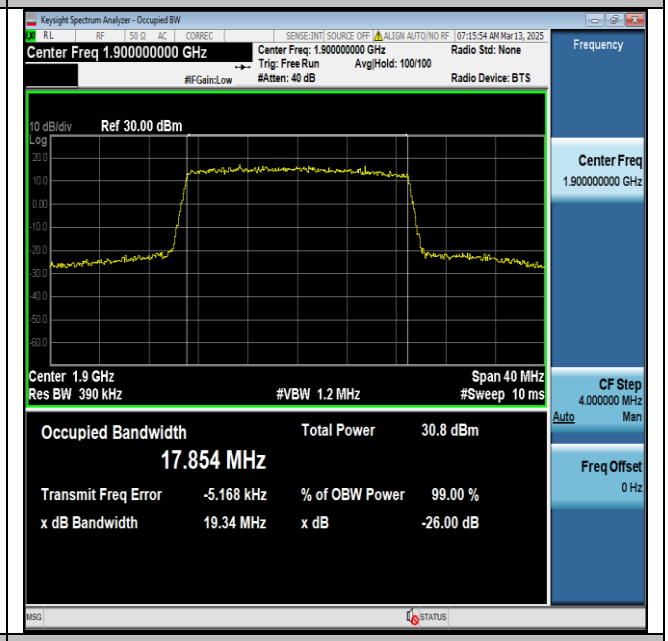
Band2-20MHz-QPSK-19100-100RB#0-PASS



Band2-20MHz-16QAM-19100-100RB#0-PASS

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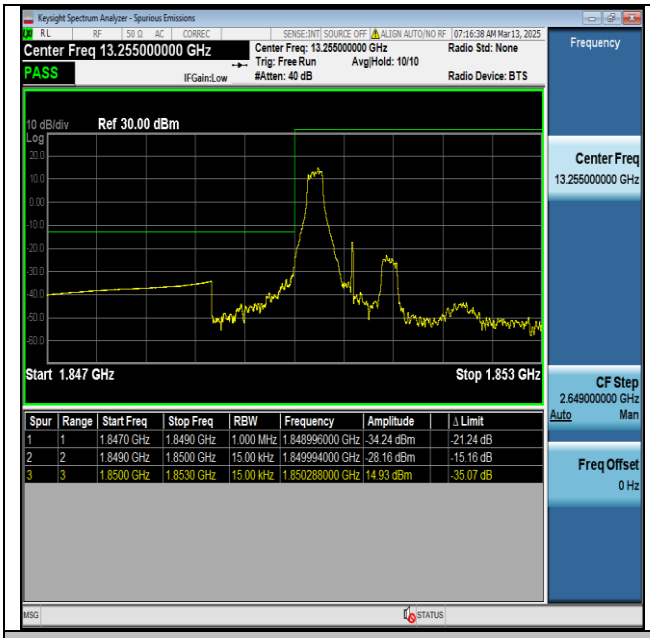
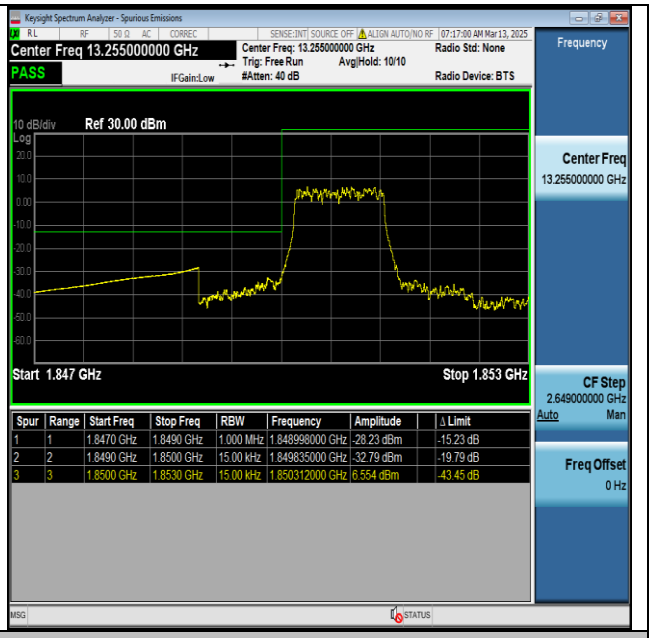
Band Edge

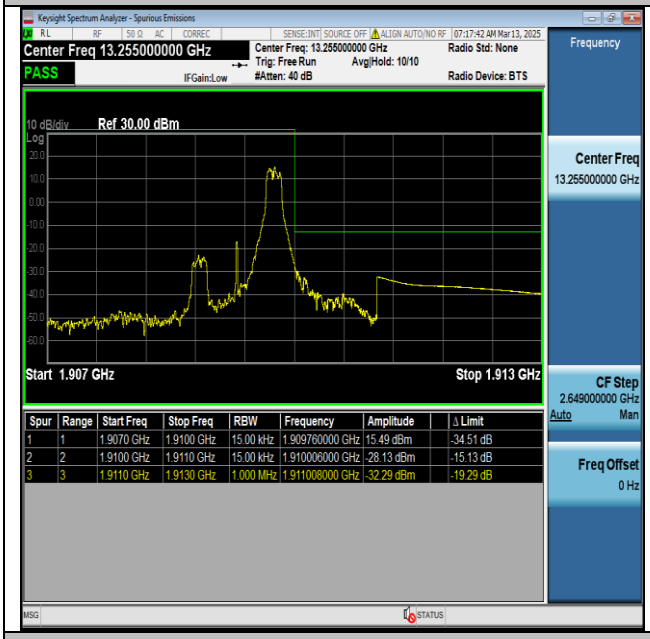
Test Graphs



Band2-1.4MHz-QPSK-18607-1RB#0-PASS



Band2-1.4MHz-QPSK-18607-6RB#0-PASS



Band2-1.4MHz-QPSK-19193-1RB#5-PASS

Band2-1.4MHz-QPSK-19193-6RB#0-PASS

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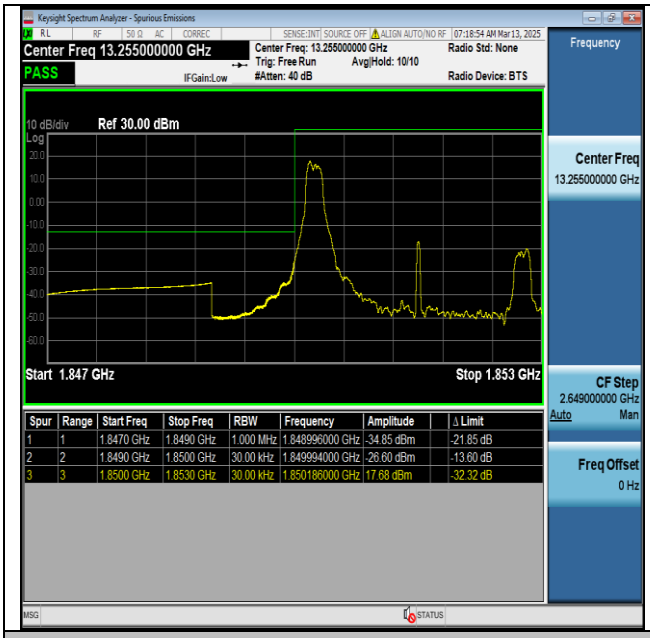
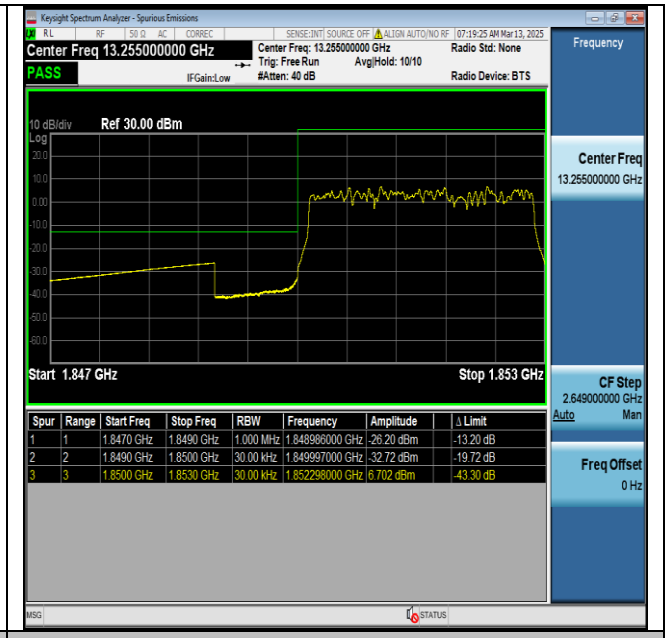
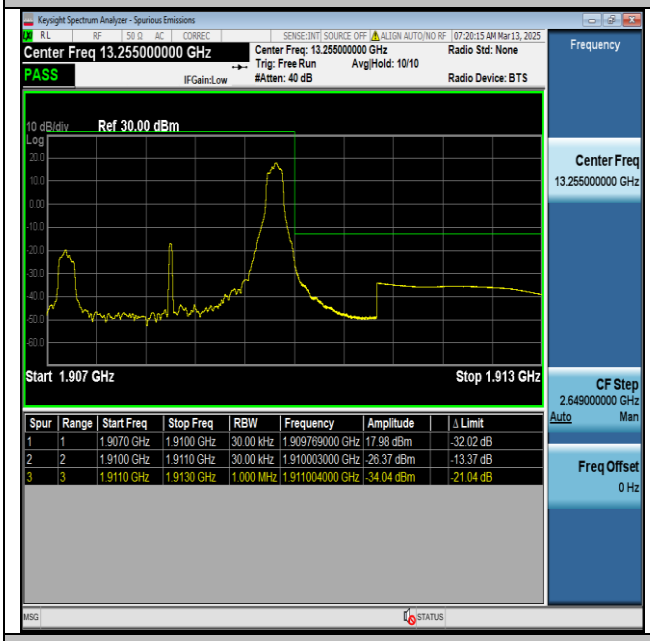


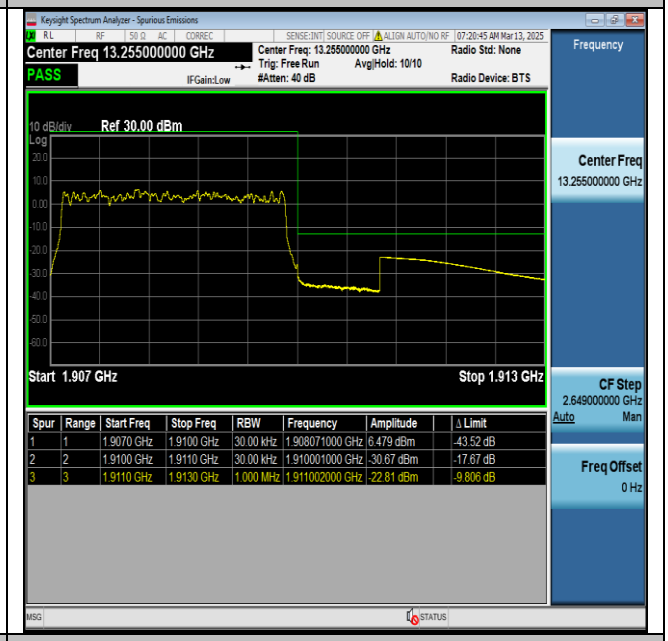
Band2-3MHz-QPSK-18615-1RB#0-PASS



Band2-3MHz-QPSK-18615-15RB#0-PASS



Band2-3MHz-QPSK-19185-1RB#14-PASS



Band2-3MHz-QPSK-19185-15RB#0-PASS

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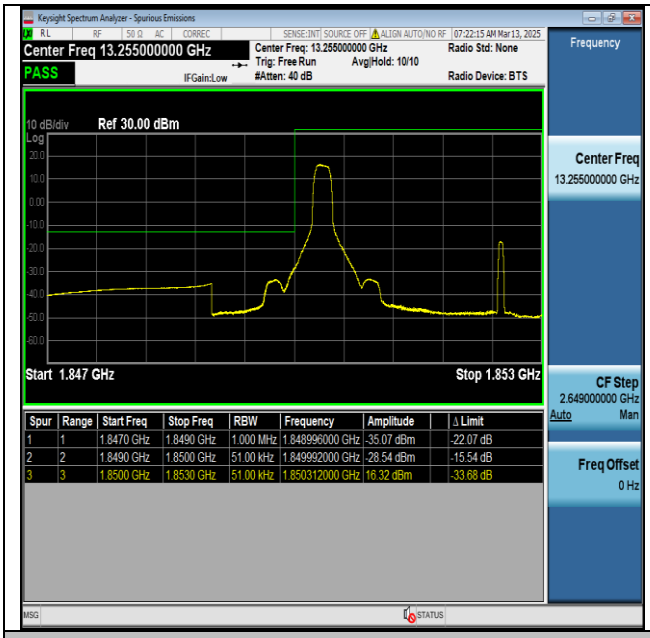
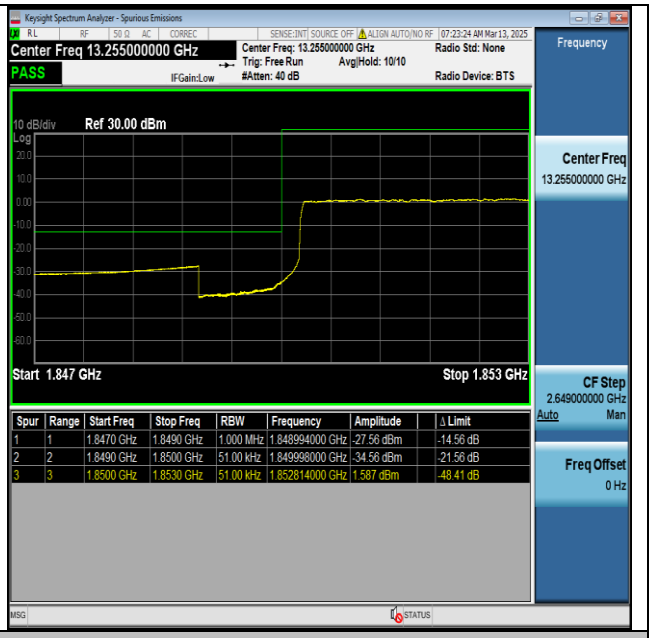
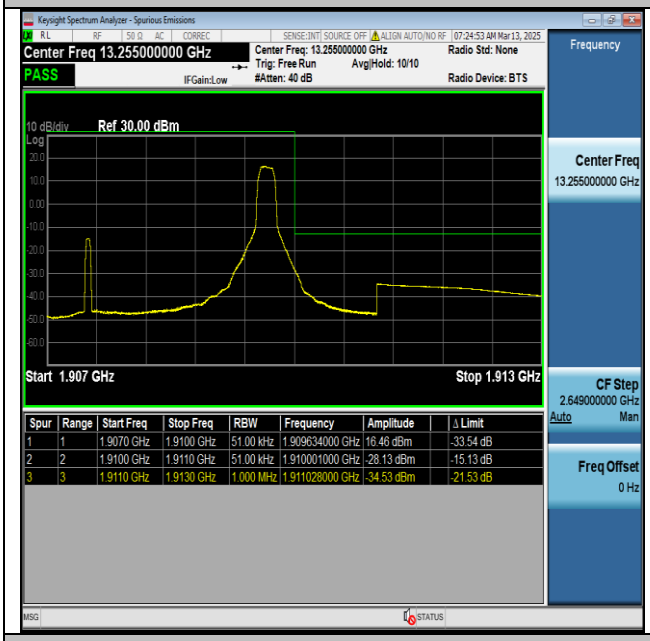


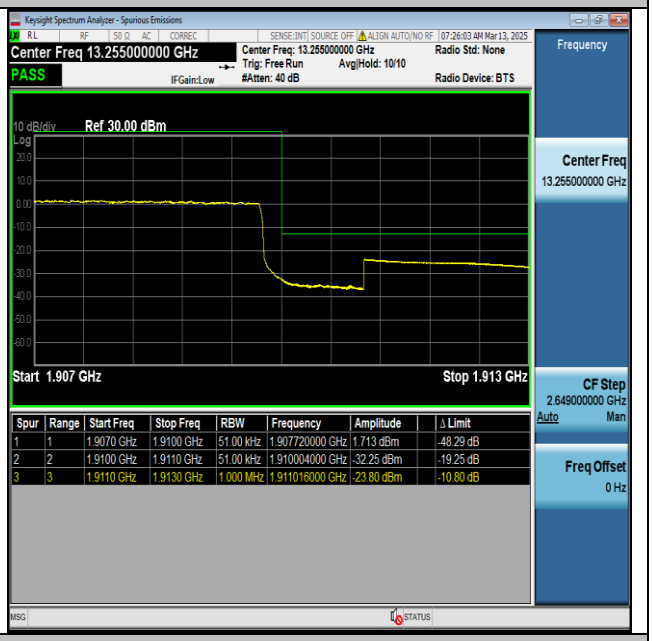
Band2-5MHz-QPSK-18625-1RB#0-PASS



Band2-5MHz-QPSK-18625-25RB#0-PASS



Band2-5MHz-QPSK-19175-1RB#24-PASS



Band2-5MHz-QPSK-19175-25RB#0-PASS

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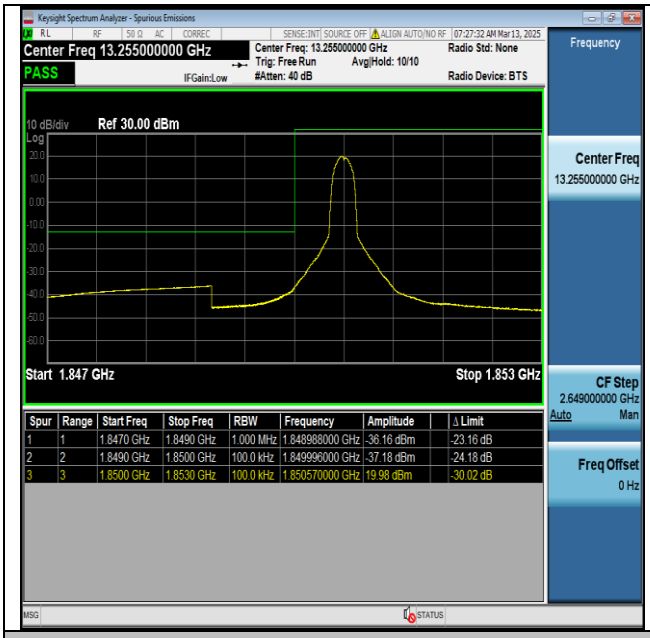
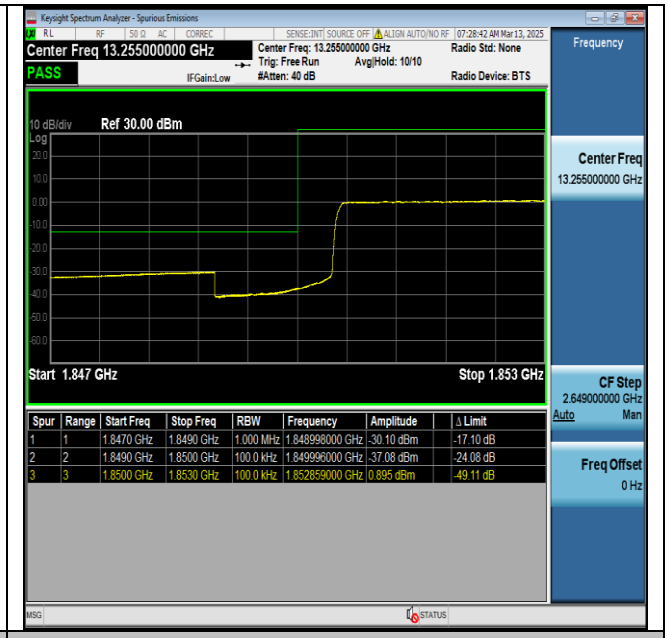
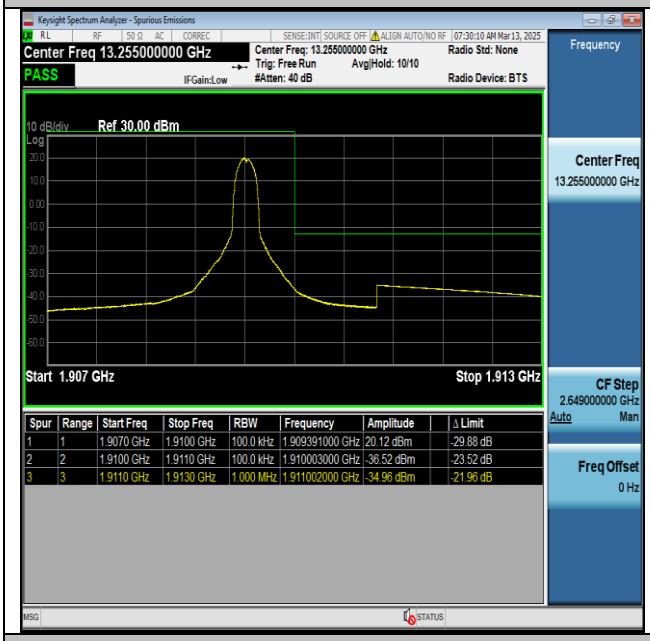


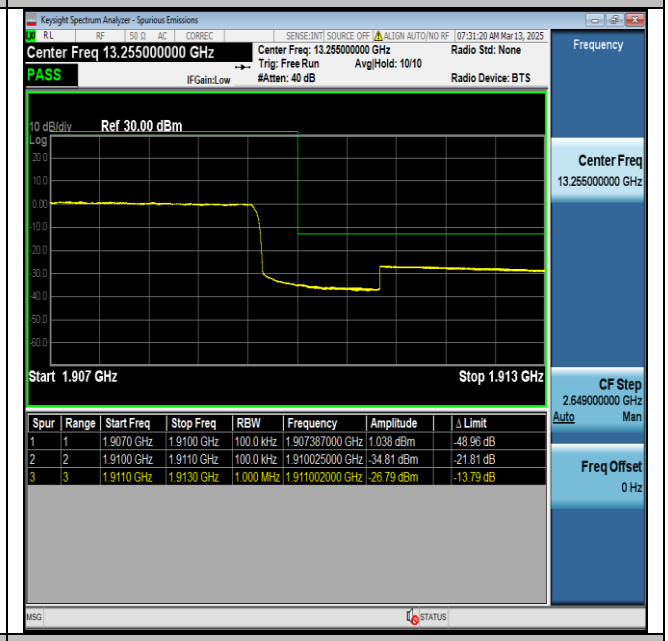
Band2-10MHz-QPSK-18650-1RB#0-PASS



Band2-10MHz-QPSK-18650-50RB#0-PASS



Band2-10MHz-QPSK-19150-1RB#49-PASS



Band2-10MHz-QPSK-19150-50RB#0-PASS

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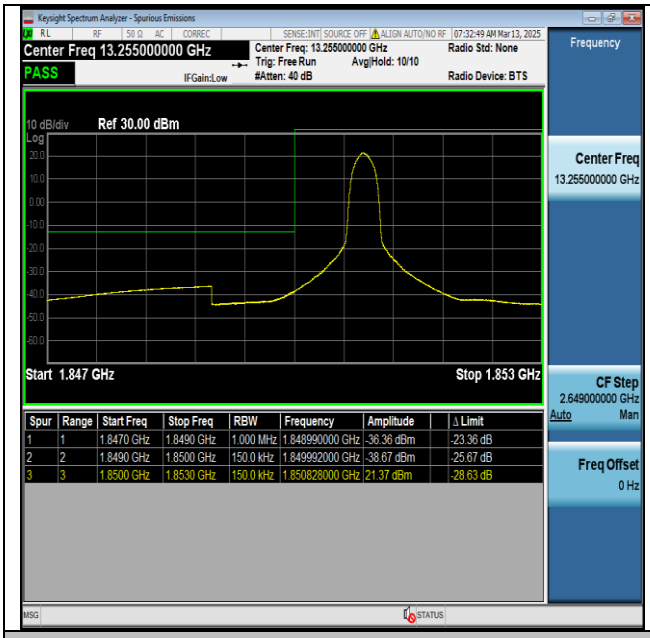
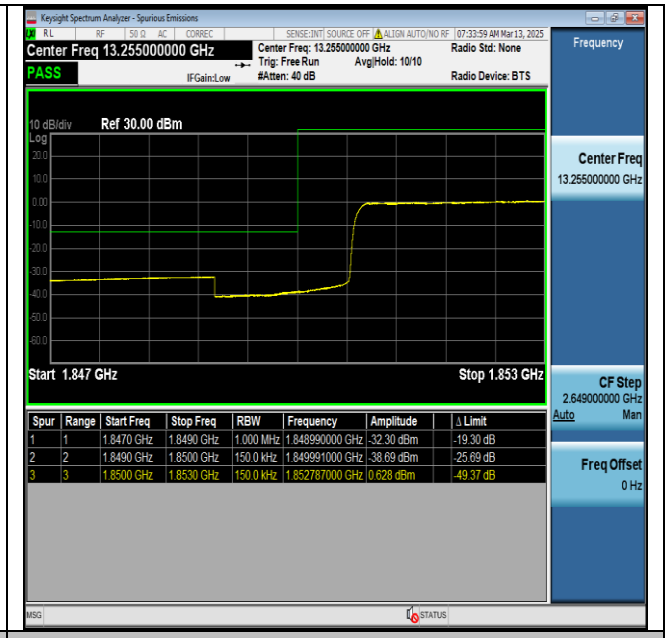
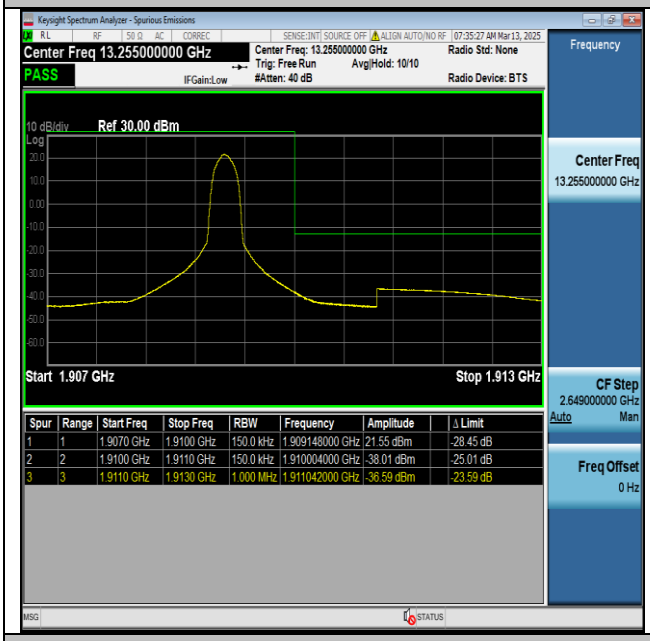


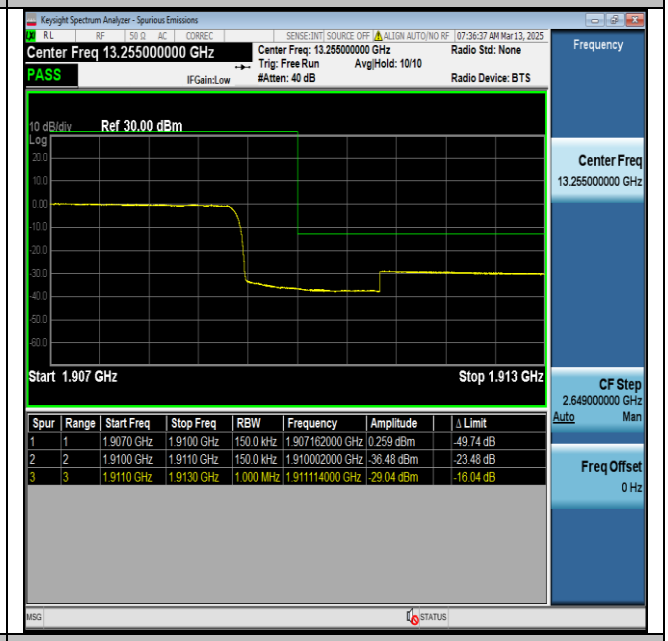
Band2-15MHz-QPSK-18675-1RB#0-PASS



Band2-15MHz-QPSK-18675-75RB#0-PASS



Band2-15MHz-QPSK-19125-1RB#74-PASS



Band2-15MHz-QPSK-19125-75RB#0-PASS

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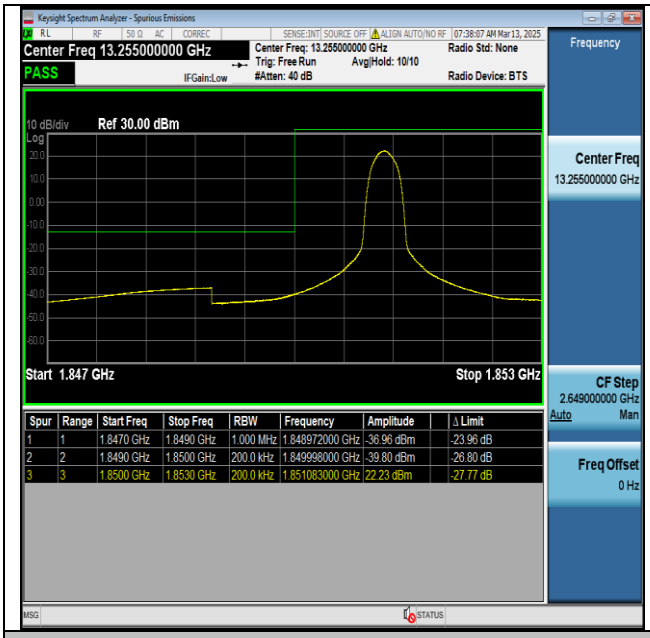
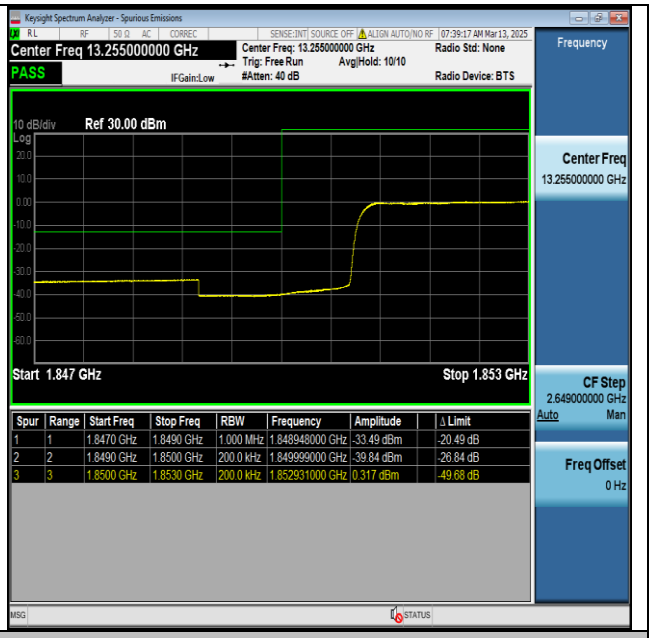


Band2-20MHz-QPSK-18700-1RB#0-PASS



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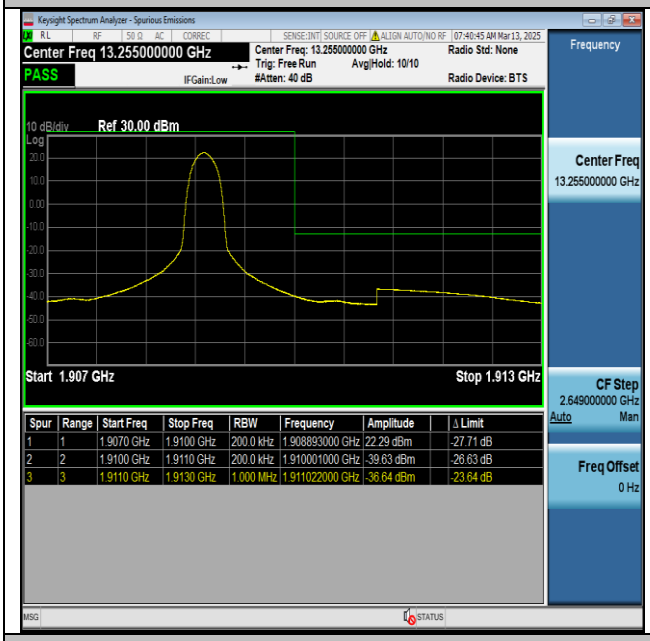

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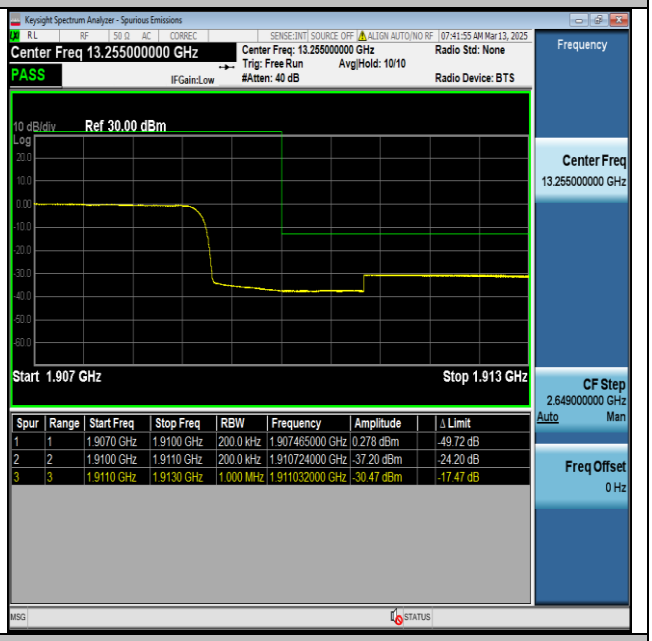

Band2-20MHz-QPSK-19100-100RB#0-PASS

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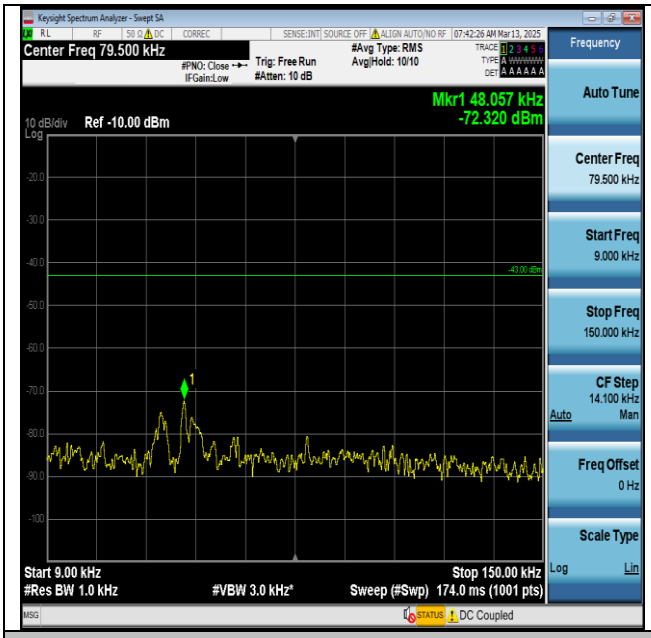
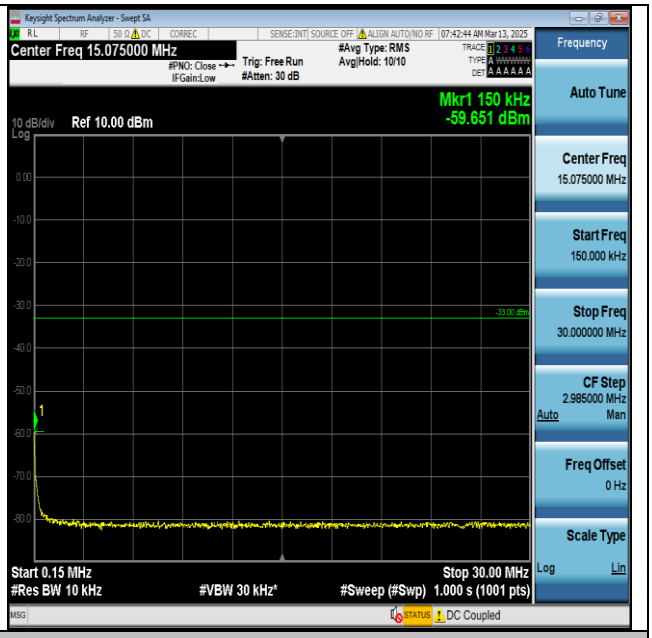
Conducted Spurious Emission

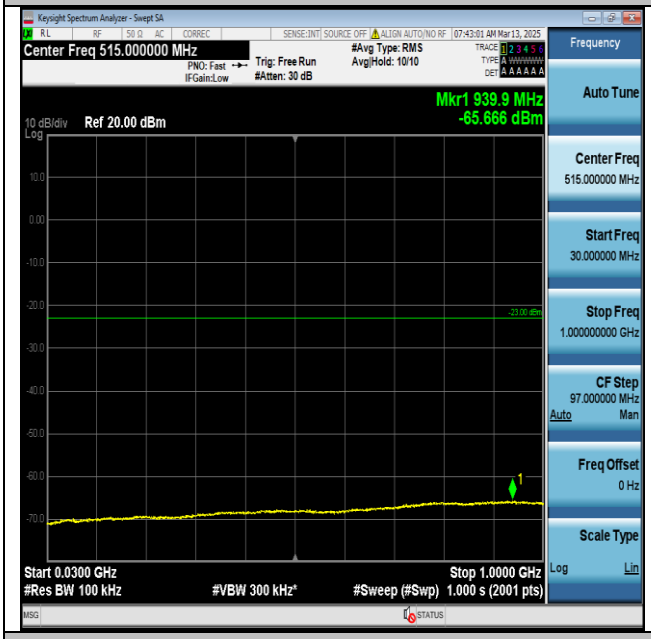
Test Graphs



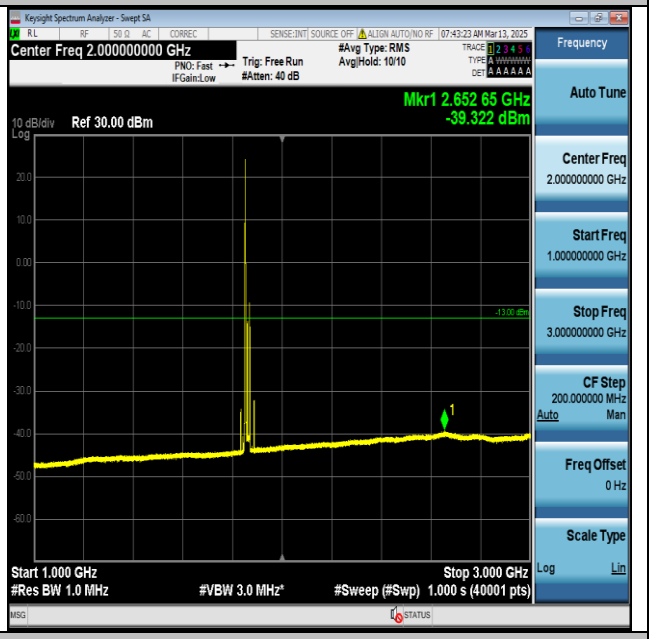
Band2-20MHz-QPSK-18700-1RB#0-0.009~0.15-PASS



Band2-20MHz-QPSK-18700-1RB#0-0.15~30-PASS



Band2-20MHz-QPSK-18700-1RB#0-30~1000-PASS



Band2-20MHz-QPSK-18700-1RB#0-1000~3000-PASS

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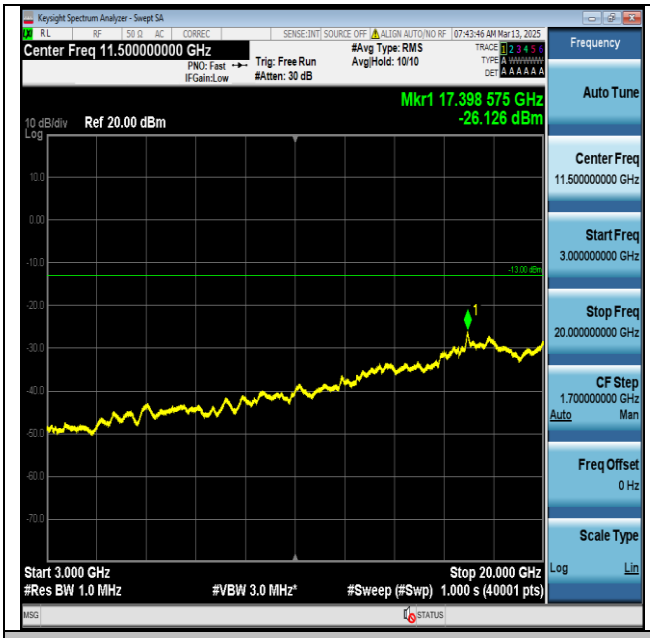
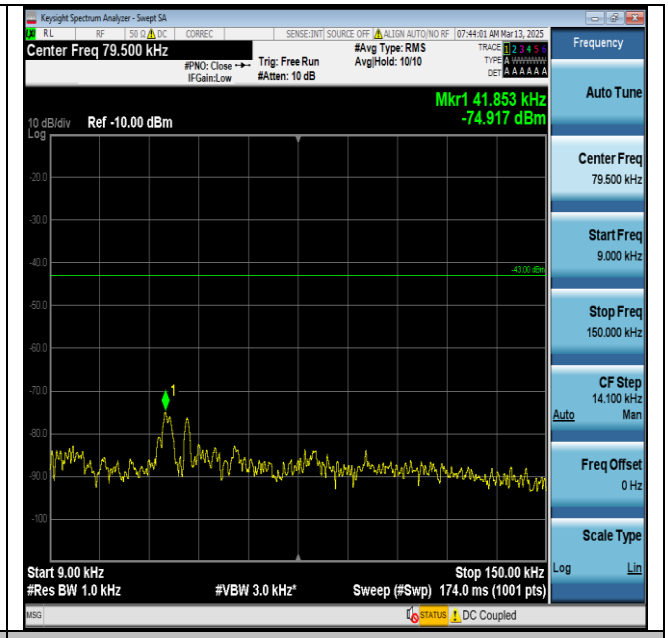
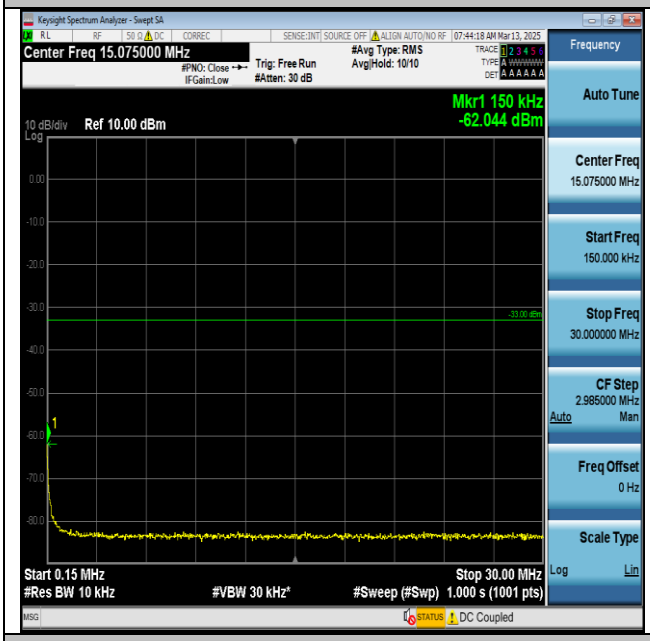


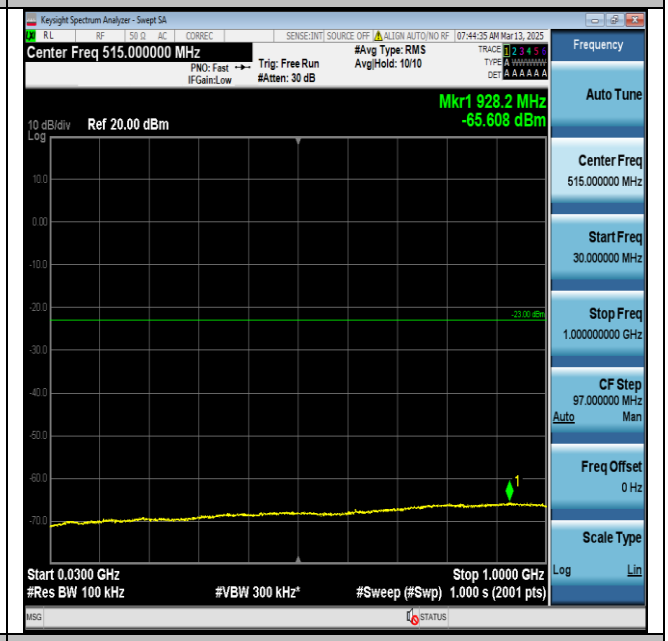
Band2-20MHz-QPSK-18700-1RB#0-3000~20000-PASS



Band2-20MHz-QPSK-18900-1RB#0-0.009~0.15-PASS



Band2-20MHz-QPSK-18900-1RB#0-0.15~30-PASS



Band2-20MHz-QPSK-18900-1RB#0-30~1000-PASS

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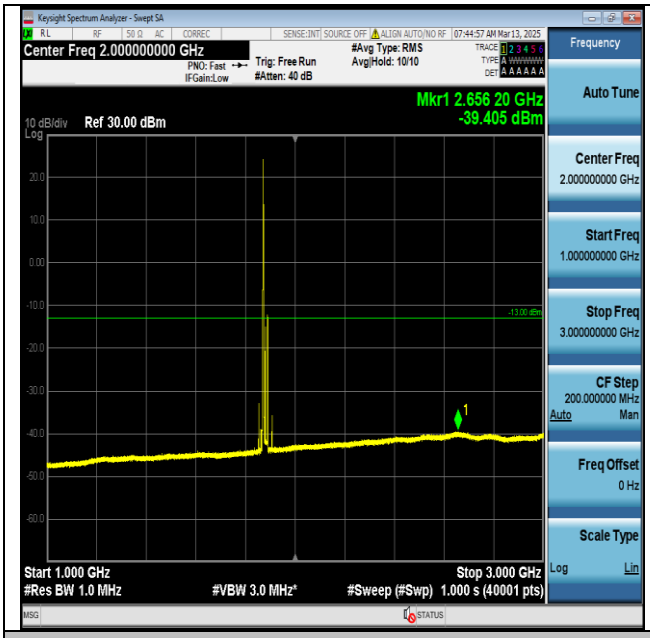
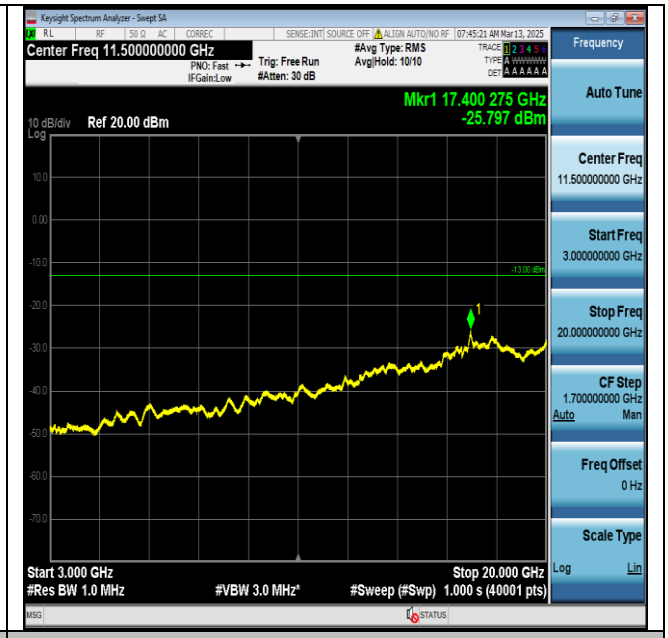
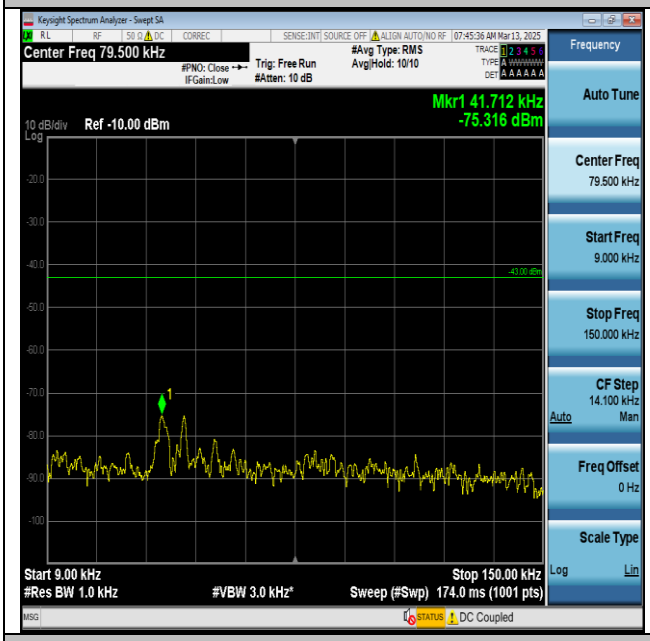


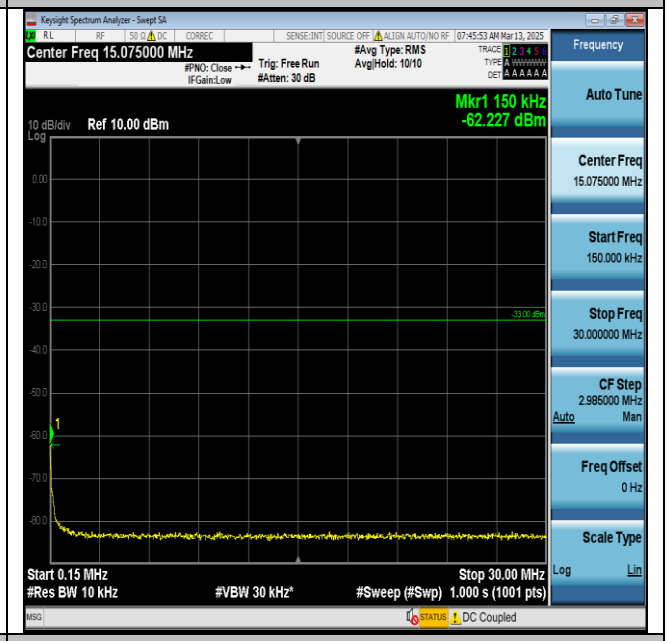
Band2-20MHz-QPSK-18900-1RB#0-1000~3000-PASS



Band2-20MHz-QPSK-18900-1RB#0-3000~20000-PASS



Band2-20MHz-QPSK-19100-1RB#0-0.009~0.15-PASS



Band2-20MHz-QPSK-19100-1RB#0-0.15~30-PASS

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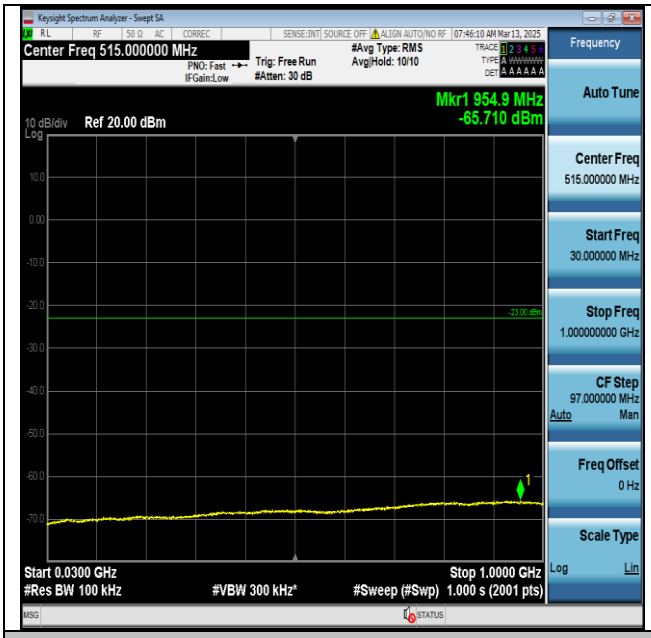
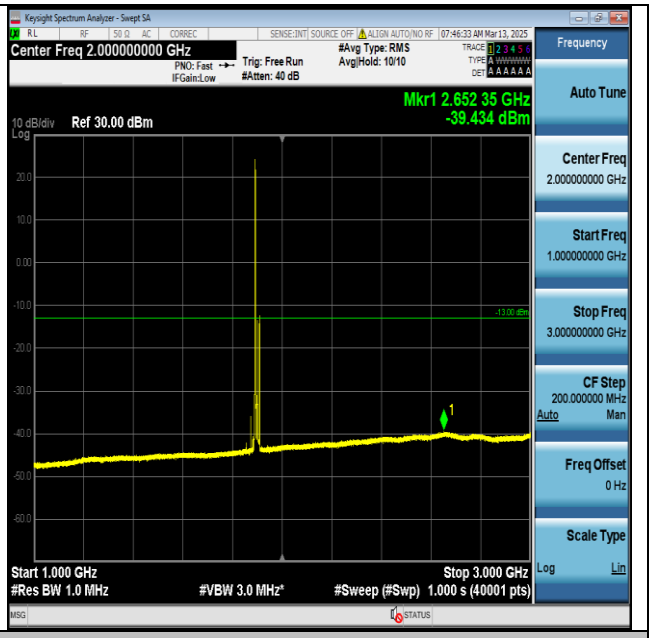


Band2-20MHz-QPSK-19100-1RB#0-30~1000-PASS



Band2-20MHz-QPSK-19100-1RB#0-1000~3000-PASS

Band2-20MHz-QPSK-19100-1RB#0-3000~20000-PASS

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Frequency Stability

Test Result

Voltage									
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Verdict
Band2	20MHz	QPSK	18900	100RB#0	VN	NT	-2.20	-0.001170	PASS
Band2	20MHz	QPSK	18900	100RB#0	VL	NT	-1.10	-0.000585	PASS
Band2	20MHz	QPSK	18900	100RB#0	VH	NT	-1.30	-0.000691	PASS

Temperature									
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Verdict
Band2	20MHz	QPSK	18900	100RB#0	NV	-30	-1.60	-0.000851	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	-20	-2.70	-0.001436	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	-10	-0.20	-0.000106	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	0	-1.10	-0.000585	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	10	-2.00	-0.001064	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	20	-2.60	-0.001383	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	30	-0.80	-0.000426	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	40	-2.00	-0.001064	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	50	-3.20	-0.001702	PASS

~The End~

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