Appendix-B LTE Band 66

Effective (Isotropic) Radiated Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dBm)	EIRP (dBm)	Limit (dBm)	Verdict
Band66	1.4MHz	QPSK	131979	1RB#0	23.04	25.04	30.00	PASS
Band66	1.4MHz	QPSK	131979	1RB#2	23.12	25.12	30.00	PASS
Band66	1.4MHz	QPSK	131979	1RB#5	23.14	25.14	30.00	PASS
Band66	1.4MHz	QPSK	131979	6RB#0	22.42	24.42	30.00	PASS
Band66	1.4MHz	16QAM	131979	1RB#0	22.15	24.15	30.00	PASS
Band66	1.4MHz	16QAM	131979	1RB#2	22.2	24.2	30.00	PASS
Band66	1.4MHz	16QAM	131979	1RB#5	22.12	24.12	30.00	PASS
Band66	1.4MHz	16QAM	131979	6RB#0	21.22	23.22	30.00	PASS
Band66	1.4MHz	QPSK	132322	1RB#0	23.18	25.18	30.00	PASS
Band66	1.4MHz	QPSK	132322	1RB#2	23.19	25.19	30.00	PASS
Band66	1.4MHz	QPSK	132322	1RB#5	23.01	25.01	30.00	PASS
Band66	1.4MHz	QPSK	132322	6RB#0	22.3	24.3	30.00	PASS
Band66	1.4MHz	16QAM	132322	1RB#0	22.15	24.15	30.00	PASS
Band66	1.4MHz	16QAM	132322	1RB#2	22.34	24.34	30.00	PASS
Band66	1.4MHz	16QAM	132322	1RB#5	22.16	24.16	30.00	PASS
Band66	1.4MHz	16QAM	132322	6RB#0	21.31	23.31	30.00	PASS
Band66	1.4MHz	QPSK	132665	1RB#0	23.4	25.4	30.00	PASS
Band66	1.4MHz	QPSK	132665	1RB#2	23.38	25.38	30.00	PASS
Band66	1.4MHz	QPSK	132665	1RB#5	23.2	25.2	30.00	PASS
Band66	1.4MHz	QPSK	132665	6RB#0	22.48	24.48	30.00	PASS
Band66	1.4MHz	16QAM	132665	1RB#0	22.06	24.06	30.00	PASS
Band66	1.4MHz	16QAM	132665	1RB#2	22.29	24.29	30.00	PASS
Band66	1.4MHz	16QAM	132665	1RB#5	22.34	24.34	30.00	PASS
Band66	1.4MHz	16QAM	132665	6RB#0	21.59	23.59	30.00	PASS
Band66	3MHz	QPSK	131987	1RB#0	23.13	25.13	30.00	PASS
Band66	3MHz	QPSK	131987	1RB#8	23.19	25.19	30.00	PASS
Band66	3MHz	QPSK	131987	1RB#14	23.17	25.17	30.00	PASS
Band66	3MHz	QPSK	131987	15RB#0	22.4	24.4	30.00	PASS
Band66	3MHz	16QAM	131987	1RB#0	22.02	24.02	30.00	PASS
Band66	3MHz	16QAM	131987	1RB#8	22.12	24.12	30.00	PASS
Band66	3MHz	16QAM	131987	1RB#14	22.27	24.27	30.00	PASS
Band66	3MHz	16QAM	131987	15RB#0	21.46	23.46	30.00	PASS
Band66	3MHz	QPSK	132322	1RB#0	23.3	25.3	30.00	PASS
Band66	3MHz	QPSK	132322	1RB#8	23.14	25.14	30.00	PASS
Band66	3MHz	QPSK	132322	1RB#14	23.25	25.25	30.00	PASS

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Band66	3MHz	QPSK	132322	15RB#0	22.28	24.28	30.00	PASS
Band66	3MHz	16QAM	132322	1RB#0	22.34	24.34	30.00	PASS
Band66	3MHz	16QAM	132322	1RB#8	22.19	24.19	30.00	PASS
Band66	3MHz	16QAM	132322	1RB#14	22.24	24.24	30.00	PASS
Band66	3MHz	16QAM	132322	15RB#0	21.38	23.38	30.00	PASS
Band66	3MHz	QPSK	132657	1RB#0	23.49	25.49	30.00	PASS
Band66	3MHz	QPSK	132657	1RB#8	23.47	25.47	30.00	PASS
Band66	3MHz	QPSK	132657	1RB#14	23.33	25.33	30.00	PASS
Band66	3MHz	QPSK	132657	15RB#0	22.46	24.46	30.00	PASS
Band66	3MHz	16QAM	132657	1RB#0	22.86	24.86	30.00	PASS
Band66	3MHz	16QAM	132657	1RB#8	22.1	24.1	30.00	PASS
Band66	3MHz	16QAM	132657	1RB#14	22.32	24.32	30.00	PASS
Band66	3MHz	16QAM	132657	15RB#0	21.51	23.51	30.00	PASS
Band66	5MHz	QPSK	131997	1RB#0	23.21	25.21	30.00	PASS
Band66	5MHz	QPSK	131997	1RB#12	23.34	25.34	30.00	PASS
Band66	5MHz	QPSK	131997	1RB#24	23.06	25.06	30.00	PASS
Band66	5MHz	QPSK	131997	25RB#0	22.48	24.48	30.00	PASS
Band66	5MHz	16QAM	131997	1RB#0	21.96	23.96	30.00	PASS
Band66	5MHz	16QAM	131997	1RB#12	22.04	24.04	30.00	PASS
Band66	5MHz	16QAM	131997	1RB#24	22.29	24.29	30.00	PASS
Band66	5MHz	16QAM	131997	25RB#0	21.54	23.54	30.00	PASS
Band66	5MHz	QPSK	132322	1RB#0	23.2	25.2	30.00	PASS
Band66	5MHz	QPSK	132322	1RB#12	23.39	25.39	30.00	PASS
Band66	5MHz	QPSK	132322	1RB#24	23.17	25.17	30.00	PASS
Band66	5MHz	QPSK	132322	25RB#0	22.33	24.33	30.00	PASS
Band66	5MHz	16QAM	132322	1RB#0	22.24	24.24	30.00	PASS
Band66	5MHz	16QAM	132322	1RB#12	22.17	24.17	30.00	PASS
Band66	5MHz	16QAM	132322	1RB#24	22.53	24.53	30.00	PASS
Band66	5MHz	16QAM	132322	25RB#0	21.43	23.43	30.00	PASS
Band66	5MHz	QPSK	132647	1RB#0	23.34	25.34	30.00	PASS
Band66	5MHz	QPSK	132647	1RB#12	23.65	25.65	30.00	PASS
Band66	5MHz	QPSK	132647	1RB#24	23.38	25.38	30.00	PASS
Band66	5MHz	QPSK	132647	25RB#0	22.48	24.48	30.00	PASS
Band66	5MHz	16QAM	132647	1RB#0	22.05	24.05	30.00	PASS
Band66	5MHz	16QAM	132647	1RB#12	22.65	24.65	30.00	PASS
Band66	5MHz	16QAM	132647	1RB#24	22.14	24.14	30.00	PASS
Band66	5MHz	16QAM	132647	25RB#0	21.5	23.5	30.00	PASS
Band66	10MHz	QPSK	132022	1RB#0	23.5	25.5	30.00	PASS
Band66	10MHz	QPSK	132022	1RB#24	23.66	25.66	30.00	PASS
Band66	10MHz	QPSK	132022	1RB#49	23.3	25.3	30.00	PASS
Band66	10MHz	QPSK	132022	50RB#0	22.56	24.56	30.00	PASS
Band66	10MHz	16QAM	132022	1RB#0	22.67	24.67	30.00	PASS
Band66	10MHz	16QAM	132022	1RB#24	22.35	24.35	30.00	PASS
Band66	10MHz	16QAM	132022	1RB#49	22.02	24.02	30.00	PASS

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Band66	10MHz	16QAM	132022	50RB#0	21.64	23.64	30.00	PASS
Band66	10MHz	QPSK	132322	1RB#0	23.39	25.39	30.00	PASS
Band66	10MHz	QPSK	132322	1RB#24	23.5	25.5	30.00	PASS
Band66	10MHz	QPSK	132322	1RB#49	23.28	25.28	30.00	PASS
Band66	10MHz	QPSK	132322	50RB#0	22.42	24.42	30.00	PASS
Band66	10MHz	16QAM	132322	1RB#0	22.28	24.28	30.00	PASS
Band66	10MHz	16QAM	132322	1RB#24	21.98	23.98	30.00	PASS
Band66	10MHz	16QAM	132322	1RB#49	22.21	24.21	30.00	PASS
Band66	10MHz	16QAM	132322	50RB#0	21.48	23.48	30.00	PASS
Band66	10MHz	QPSK	132622	1RB#0	23.18	25.18	30.00	PASS
Band66	10MHz	QPSK	132622	1RB#24	23.43	25.43	30.00	PASS
Band66	10MHz	QPSK	132622	1RB#49	23.06	25.06	30.00	PASS
Band66	10MHz	QPSK	132622	50RB#0	22.46	24.46	30.00	PASS
Band66	10MHz	16QAM	132622	1RB#0	22.06	24.06	30.00	PASS
Band66	10MHz	16QAM	132622	1RB#24	22.38	24.38	30.00	PASS
Band66	10MHz	16QAM	132622	1RB#49	22.34	24.34	30.00	PASS
Band66	10MHz	16QAM	132622	50RB#0	21.43	23.43	30.00	PASS
Band66	15MHz	QPSK	132047	1RB#0	23.29	25.29	30.00	PASS
Band66	15MHz	QPSK	132047	1RB#38	23.43	25.43	30.00	PASS
Band66	15MHz	QPSK	132047	1RB#74	23.38	25.38	30.00	PASS
Band66	15MHz	QPSK	132047	75RB#0	22.48	24.48	30.00	PASS
Band66	15MHz	16QAM	132047	1RB#0	22.38	24.38	30.00	PASS
Band66	15MHz	16QAM	132047	1RB#38	22.32	24.32	30.00	PASS
Band66	15MHz	16QAM	132047	1RB#74	22.12	24.12	30.00	PASS
Band66	15MHz	16QAM	132047	75RB#0	21.57	23.57	30.00	PASS
Band66	15MHz	QPSK	132322	1RB#0	23.36	25.36	30.00	PASS
Band66	15MHz	QPSK	132322	1RB#38	22.95	24.95	30.00	PASS
Band66	15MHz	QPSK	132322	1RB#74	23.15	25.15	30.00	PASS
Band66	15MHz	QPSK	132322	75RB#0	22.35	24.35	30.00	PASS
Band66	15MHz	16QAM	132322	1RB#0	22.09	24.09	30.00	PASS
Band66	15MHz	16QAM	132322	1RB#38	21.99	23.99	30.00	PASS
Band66	15MHz	16QAM	132322	1RB#74	22.41	24.41	30.00	PASS
Band66	15MHz	16QAM	132322	75RB#0	21.44	23.44	30.00	PASS
Band66	15MHz	QPSK	132597	1RB#0	23.11	25.11	30.00	PASS
Band66	15MHz	QPSK	132597	1RB#38	23.54	25.54	30.00	PASS
Band66	15MHz	QPSK	132597	1RB#74	23.16	25.16	30.00	PASS
Band66	15MHz	QPSK	132597	75RB#0	22.43	24.43	30.00	PASS
Band66	15MHz	16QAM	132597	1RB#0	22.17	24.17	30.00	PASS
Band66	15MHz	16QAM	132597	1RB#38	22.71	24.71	30.00	PASS
Band66	15MHz	16QAM	132597	1RB#74	22.27	24.27	30.00	PASS
Band66	15MHz	16QAM	132597	75RB#0	21.45	23.45	30.00	PASS
Band66	20MHz	QPSK	132072	1RB#0	23.21	25.21	30.00	PASS
Band66	20MHz	QPSK	132072	1RB#49	23.65	25.65	30.00	PASS
Band66	20MHz	QPSK	132072	1RB#99	23.5	25.5	30.00	PASS

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Band66	20MHz	QPSK	132072	100RB#0	22.47	24.47	30.00	PASS
Band66	20MHz	16QAM	132072	1RB#0	22.2	24.2	30.00	PASS
Band66	20MHz	16QAM	132072	1RB#49	22.27	24.27	30.00	PASS
Band66	20MHz	16QAM	132072	1RB#99	22.41	24.41	30.00	PASS
Band66	20MHz	16QAM	132072	100RB#0	21.44	23.44	30.00	PASS
Band66	20MHz	QPSK	132322	1RB#0	23.2	25.2	30.00	PASS
Band66	20MHz	QPSK	132322	1RB#49	23.5	25.5	30.00	PASS
Band66	20MHz	QPSK	132322	1RB#99	23.38	25.38	30.00	PASS
Band66	20MHz	QPSK	132322	100RB#0	22.33	24.33	30.00	PASS
Band66	20MHz	16QAM	132322	1RB#0	22.28	24.28	30.00	PASS
Band66	20MHz	16QAM	132322	1RB#49	22.82	24.82	30.00	PASS
Band66	20MHz	16QAM	132322	1RB#99	22.37	24.37	30.00	PASS
Band66	20MHz	16QAM	132322	100RB#0	21.37	23.37	30.00	PASS
Band66	20MHz	QPSK	132572	1RB#0	23.21	25.21	30.00	PASS
Band66	20MHz	QPSK	132572	1RB#49	23.3	25.3	30.00	PASS
Band66	20MHz	QPSK	132572	1RB#99	23.03	25.03	30.00	PASS
Band66	20MHz	QPSK	132572	100RB#0	22.3	24.3	30.00	PASS
Band66	20MHz	16QAM	132572	1RB#0	22.05	24.05	30.00	PASS
Band66	20MHz	16QAM	132572	1RB#49	22.35	24.35	30.00	PASS
Band66	20MHz	16QAM	132572	1RB#99	22.06	24.06	30.00	PASS
Band66	20MHz	16QAM	132572	100RB#0	21.29	23.29	30.00	PASS

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Peak-to-Average Ratio(CCDF)

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dB)	Limit (dB)	Verdict
Band66	20MHz	QPSK	132072	100RB#0	5.05	13	PASS
Band66	20MHz	16QAM	132072	100RB#0	5.83	13	PASS
Band66	20MHz	QPSK	132322	100RB#0	5.12	13	PASS
Band66	20MHz	16QAM	132322	100RB#0	5.91	13	PASS
Band66	20MHz	QPSK	132572	100RB#0	5.07	13	PASS
Band66	20MHz	16QAM	132572	100RB#0	5.83	13	PASS

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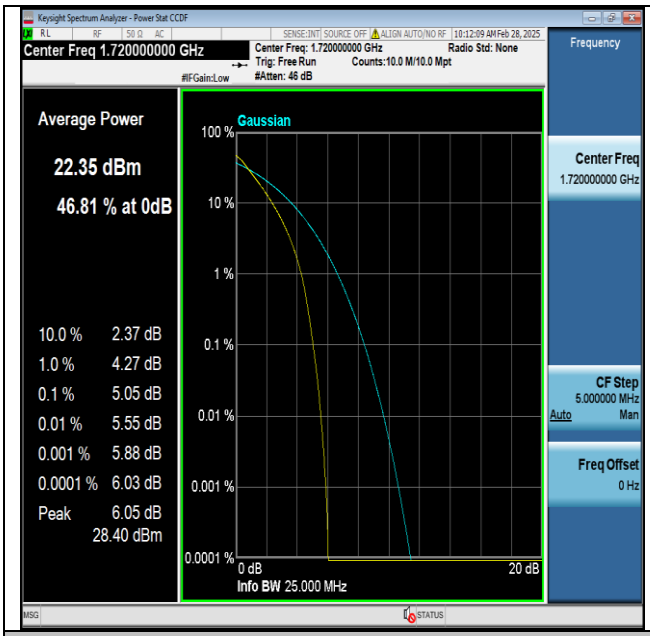
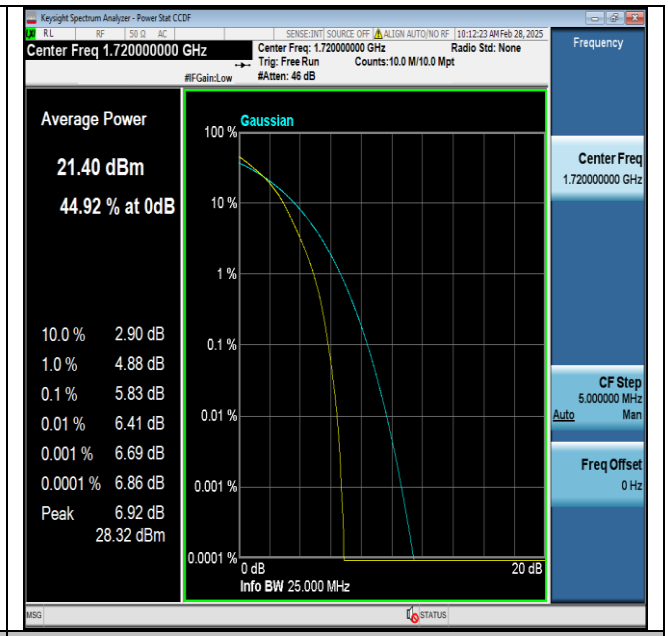
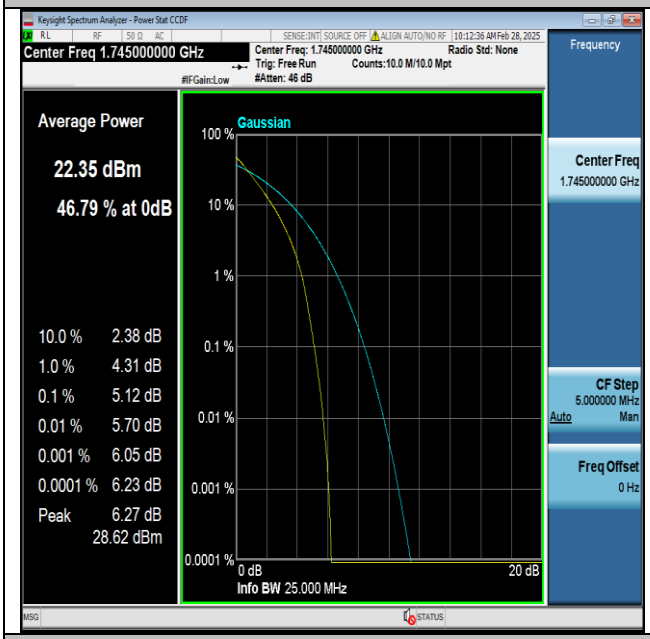
Test Graphs



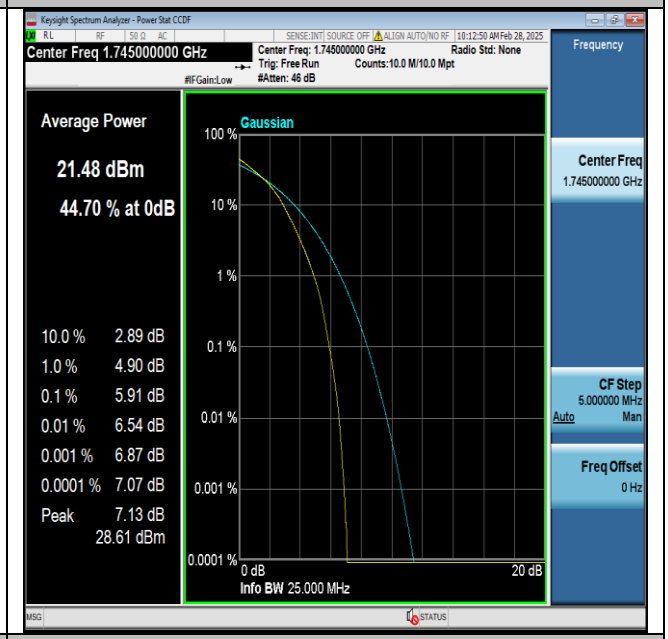
Band66-20MHz-QPSK-132072-100RB#0-PASS



Band66-20MHz-16QAM-132072-100RB#0-PASS



Band66-20MHz-QPSK-132322-100RB#0-PASS



Band66-20MHz-16QAM-132322-100RB#0-PASS

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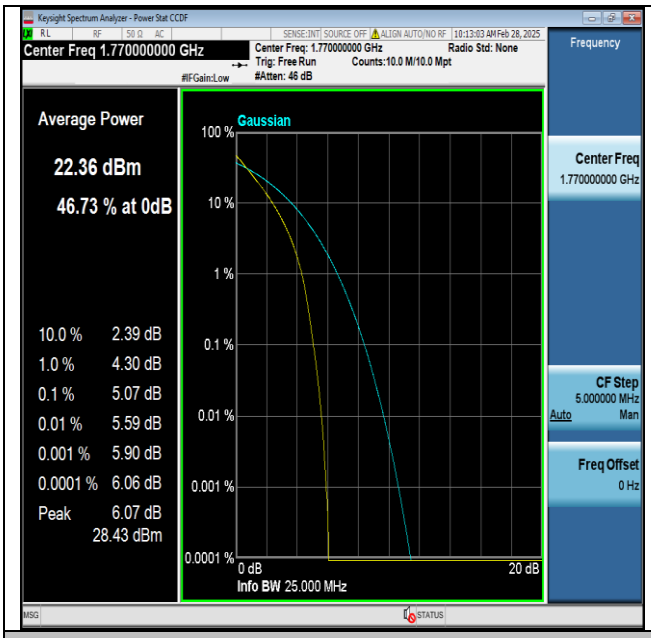
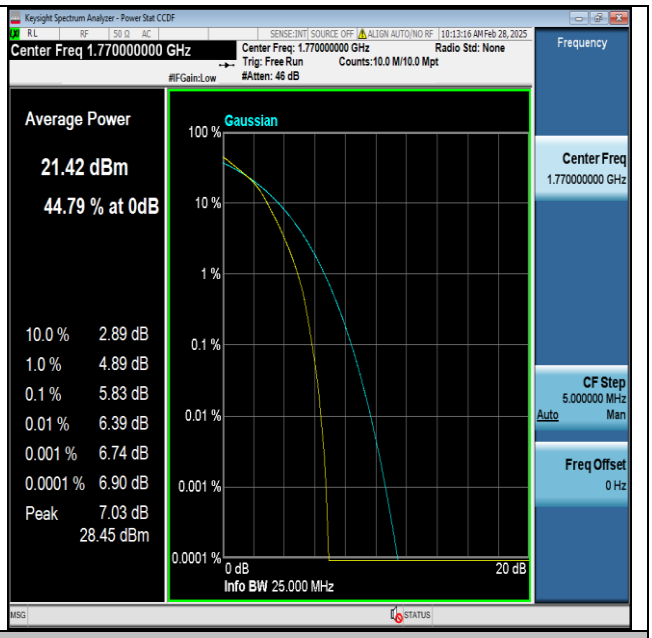


Band66-20MHz-QPSK-132572-100RB#0-PASS



Band66-20MHz-16QAM-132572-100RB#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
Band66	1.4MHz	QPSK	131979	6RB#0	1.0878	1.275	PASS
Band66	1.4MHz	16QAM	131979	6RB#0	1.0946	1.289	PASS
Band66	1.4MHz	QPSK	132322	6RB#0	1.0881	1.264	PASS
Band66	1.4MHz	16QAM	132322	6RB#0	1.0968	1.264	PASS
Band66	1.4MHz	QPSK	132665	6RB#0	1.0908	1.291	PASS
Band66	1.4MHz	16QAM	132665	6RB#0	1.0976	1.299	PASS
Band66	3MHz	QPSK	131987	15RB#0	2.6981	2.962	PASS
Band66	3MHz	16QAM	131987	15RB#0	2.6911	2.976	PASS
Band66	3MHz	QPSK	132322	15RB#0	2.6978	2.964	PASS
Band66	3MHz	16QAM	132322	15RB#0	2.6933	2.966	PASS
Band66	3MHz	QPSK	132657	15RB#0	2.7009	2.972	PASS
Band66	3MHz	16QAM	132657	15RB#0	2.6929	2.954	PASS
Band66	5MHz	QPSK	131997	25RB#0	4.4923	5.009	PASS
Band66	5MHz	16QAM	131997	25RB#0	4.4962	5.036	PASS
Band66	5MHz	QPSK	132322	25RB#0	4.4898	4.990	PASS
Band66	5MHz	16QAM	132322	25RB#0	4.4926	5.010	PASS
Band66	5MHz	QPSK	132647	25RB#0	4.4925	5.010	PASS
Band66	5MHz	16QAM	132647	25RB#0	4.4915	5.022	PASS
Band66	10MHz	QPSK	132022	50RB#0	8.9526	9.827	PASS
Band66	10MHz	16QAM	132022	50RB#0	8.9308	9.827	PASS
Band66	10MHz	QPSK	132322	50RB#0	8.9690	9.830	PASS
Band66	10MHz	16QAM	132322	50RB#0	8.9310	9.836	PASS
Band66	10MHz	QPSK	132622	50RB#0	8.9584	9.848	PASS
Band66	10MHz	16QAM	132622	50RB#0	8.9396	9.834	PASS
Band66	15MHz	QPSK	132047	75RB#0	13.426	14.69	PASS
Band66	15MHz	16QAM	132047	75RB#0	13.413	14.58	PASS
Band66	15MHz	QPSK	132322	75RB#0	13.442	14.71	PASS
Band66	15MHz	16QAM	132322	75RB#0	13.416	14.75	PASS
Band66	15MHz	QPSK	132597	75RB#0	13.472	14.71	PASS
Band66	15MHz	16QAM	132597	75RB#0	13.436	14.83	PASS
Band66	20MHz	QPSK	132072	100RB#0	17.941	19.46	PASS
Band66	20MHz	16QAM	132072	100RB#0	17.876	19.47	PASS
Band66	20MHz	QPSK	132322	100RB#0	17.922	19.53	PASS
Band66	20MHz	16QAM	132322	100RB#0	17.873	19.40	PASS
Band66	20MHz	QPSK	132572	100RB#0	17.958	19.54	PASS
Band66	20MHz	16QAM	132572	100RB#0	17.906	19.43	PASS

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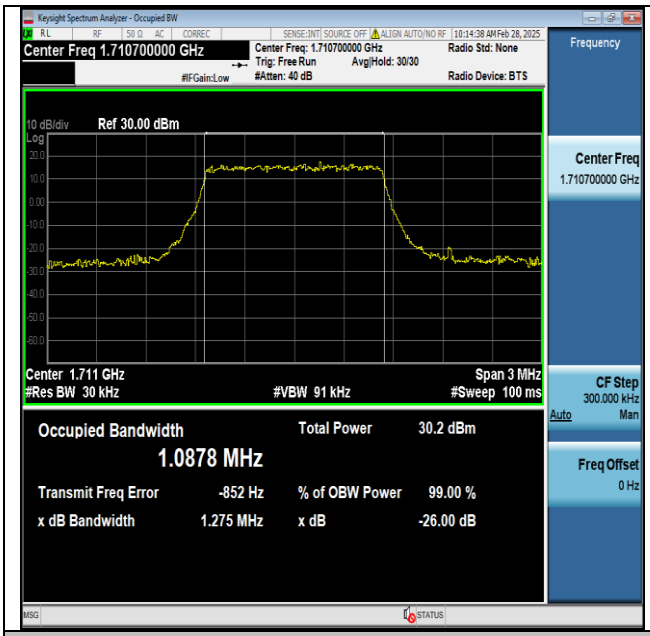
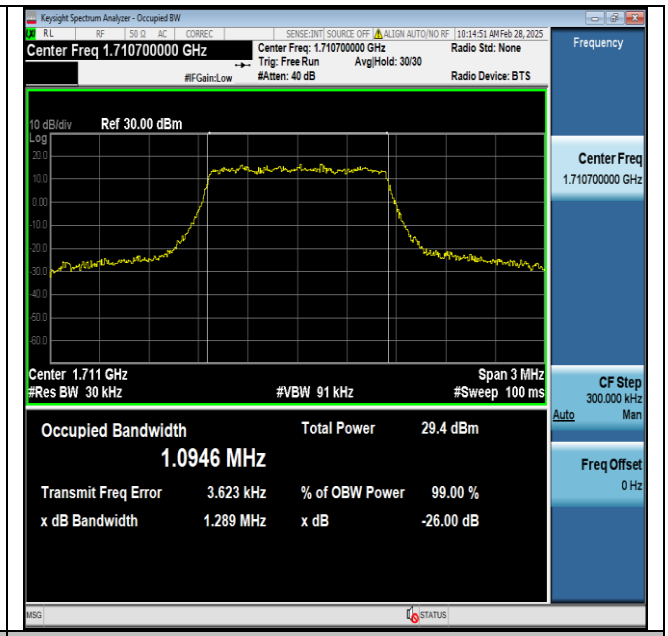
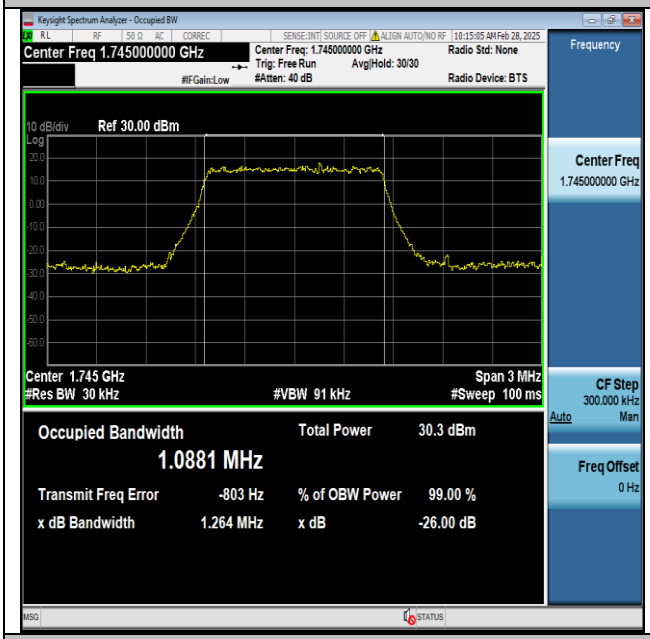
Test Graphs



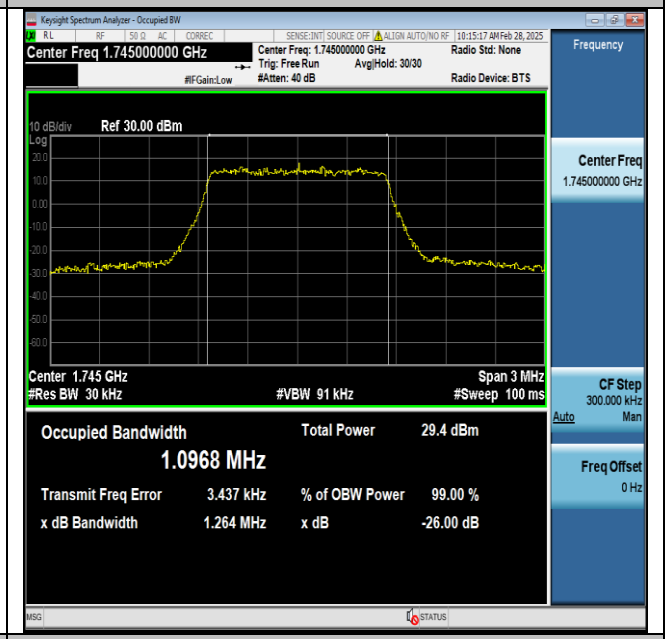
Band66-1.4MHz-QPSK-131979-6RB#0-PASS



Band66-1.4MHz-16QAM-131979-6RB#0-PASS



Band66-1.4MHz-QPSK-132322-6RB#0-PASS



Band66-1.4MHz-16QAM-132322-6RB#0-PASS

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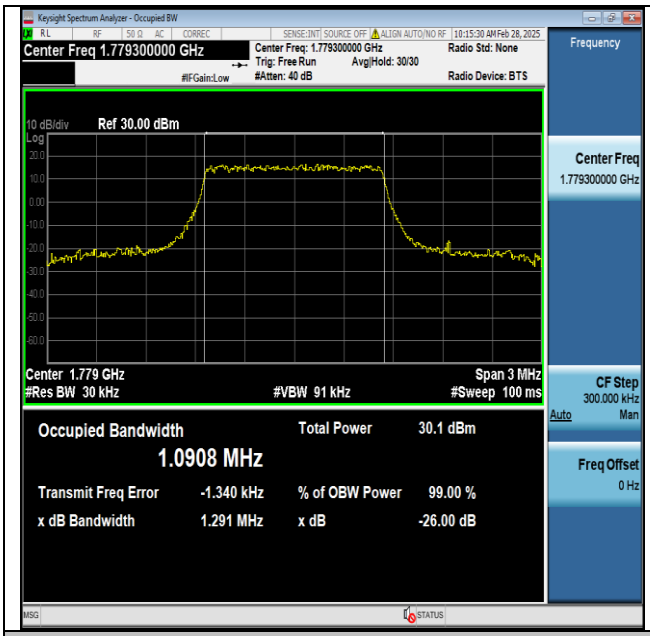

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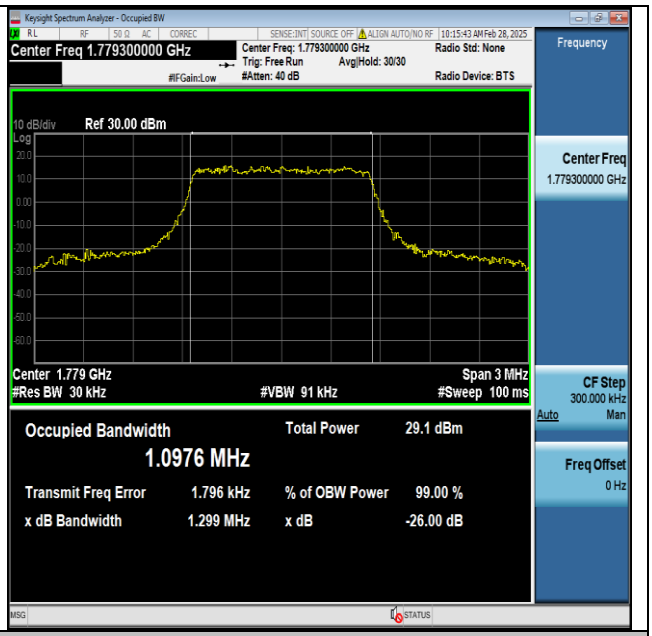

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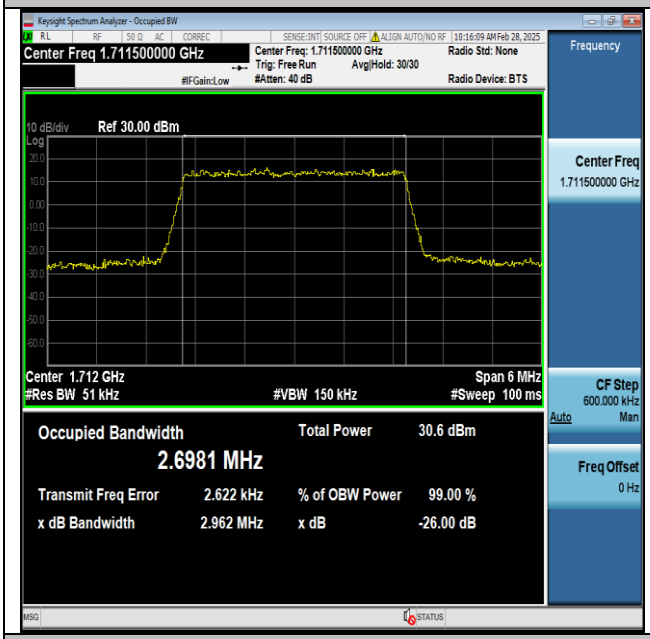
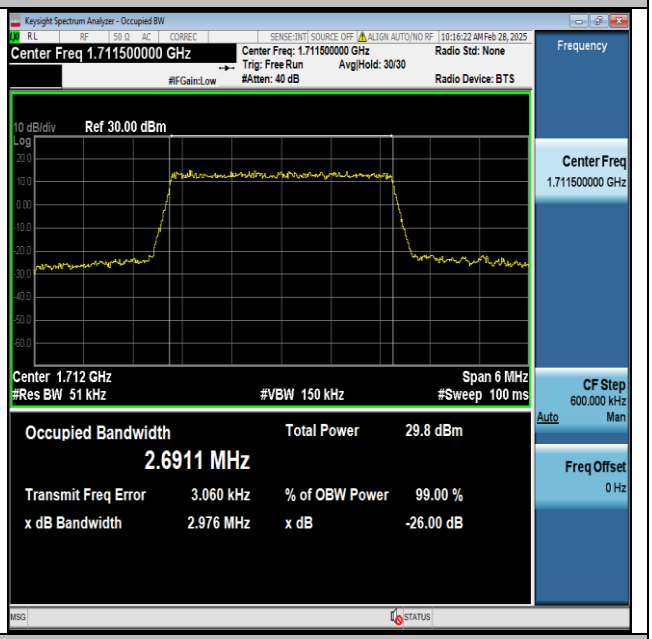


Band66-3MHz-QPSK-131987-15RB#0-PASS



Band66-3MHz-16QAM-131987-15RB#0-PASS

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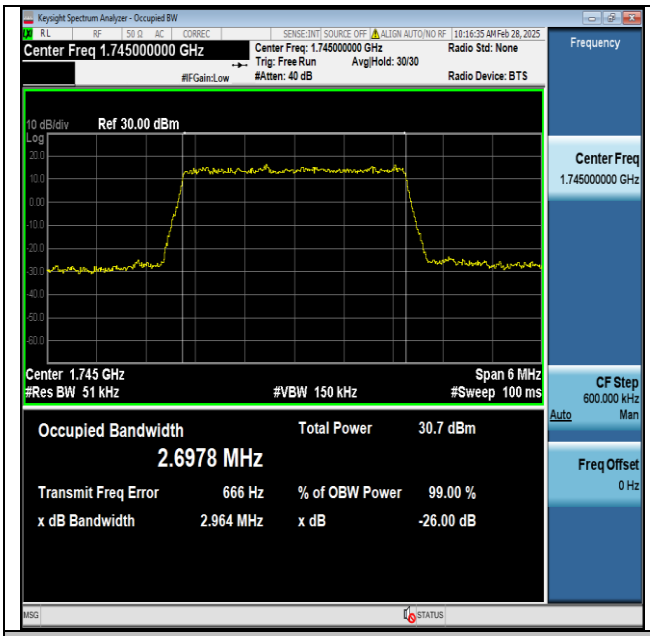

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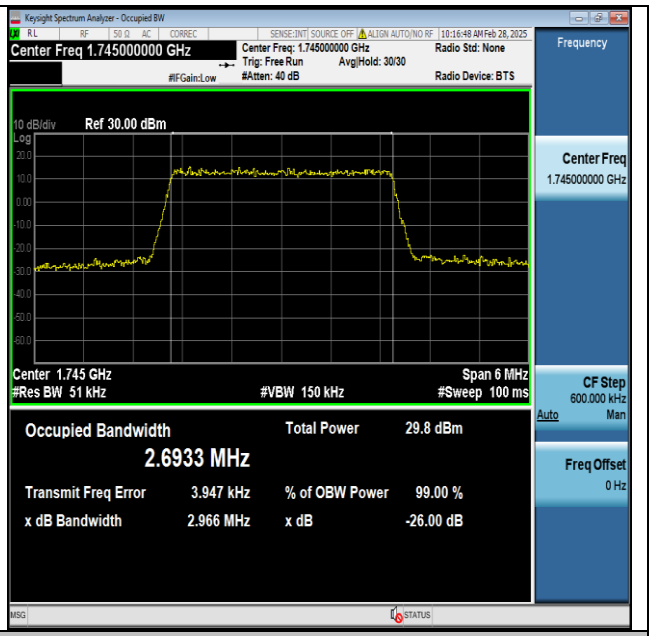

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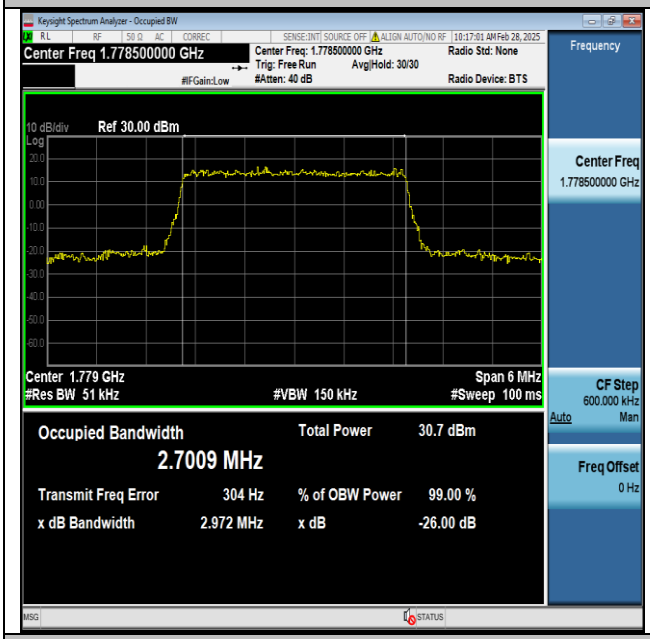

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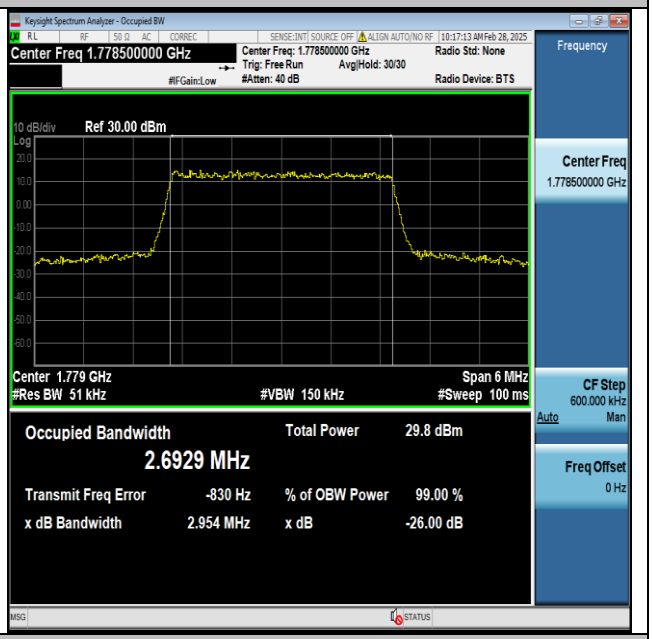

Band66-3MHz-16QAM-132657-15RB#0-PASS

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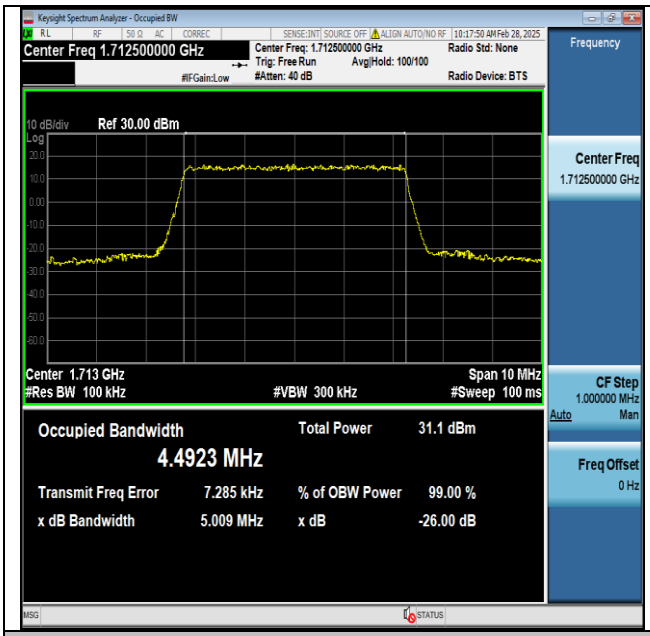
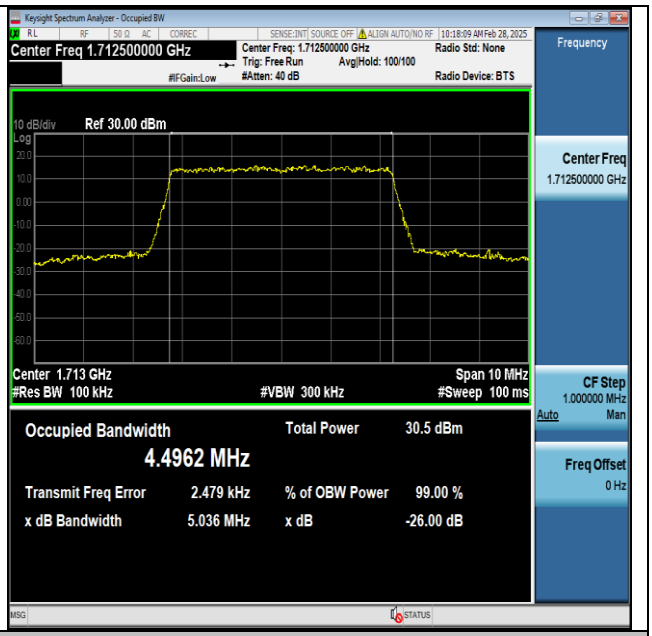


Band66-5MHz-QPSK-131997-25RB#0-PASS



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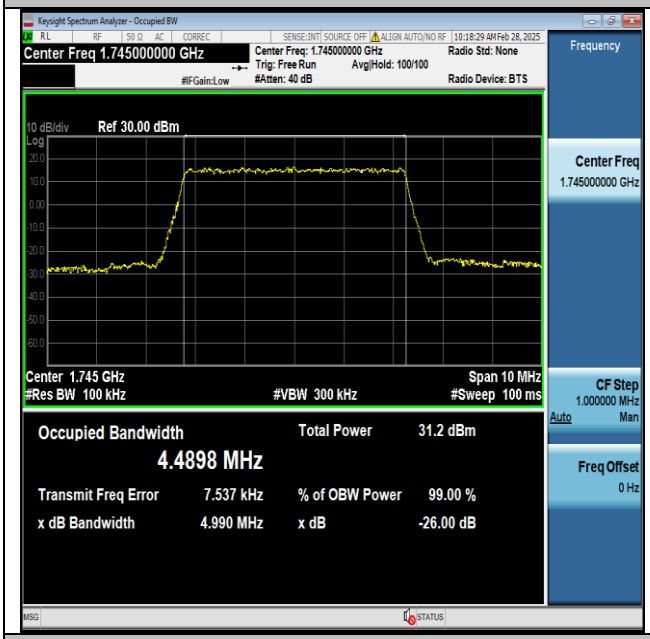

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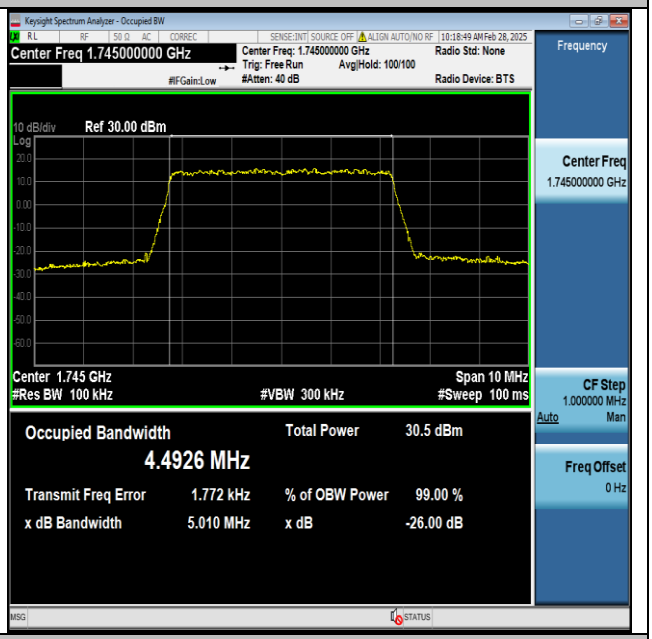

Band66-5MHz-16QAM-132322-25RB#0-PASS

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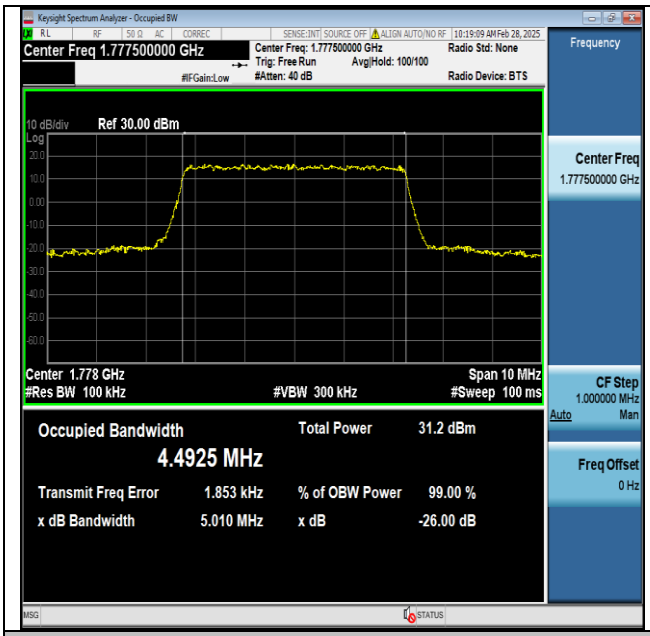

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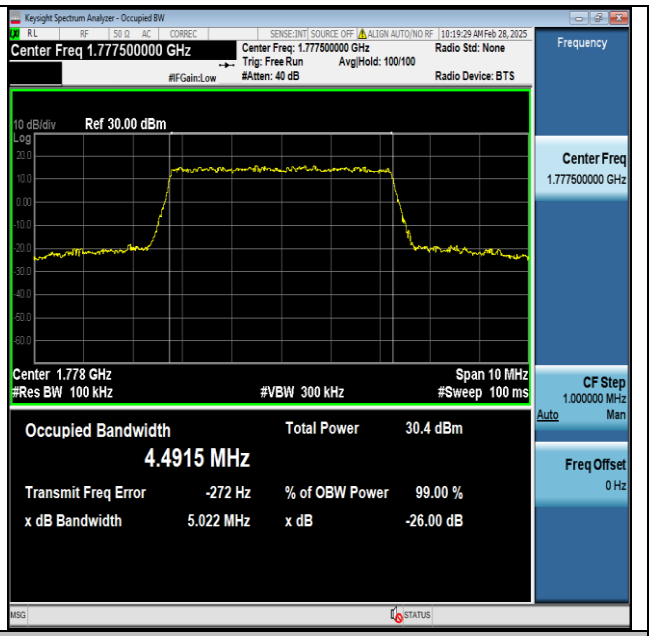

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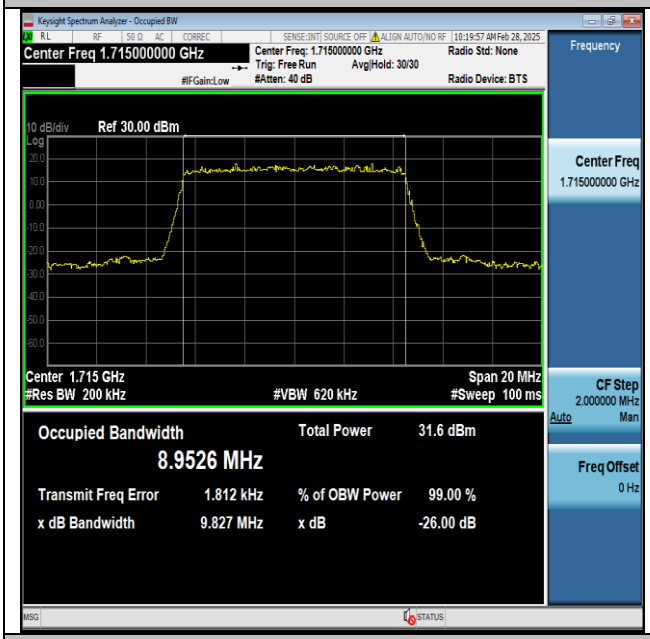

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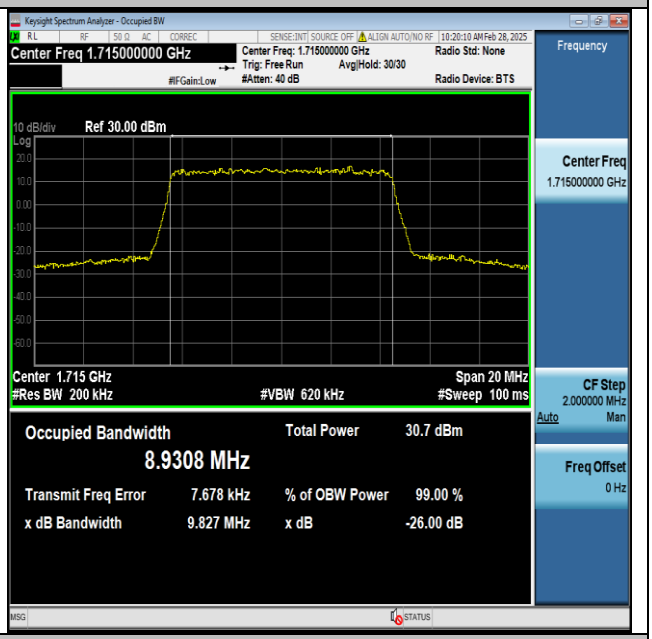

Band66-10MHz-16QAM-132022-50RB#0-PASS

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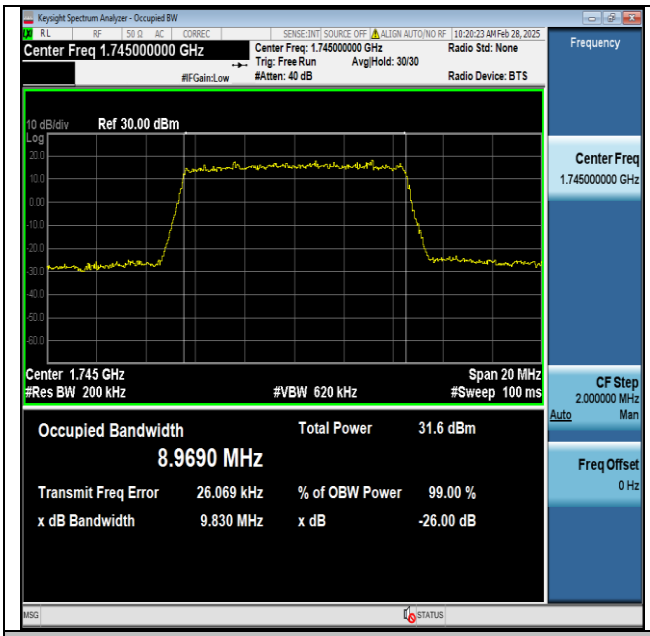

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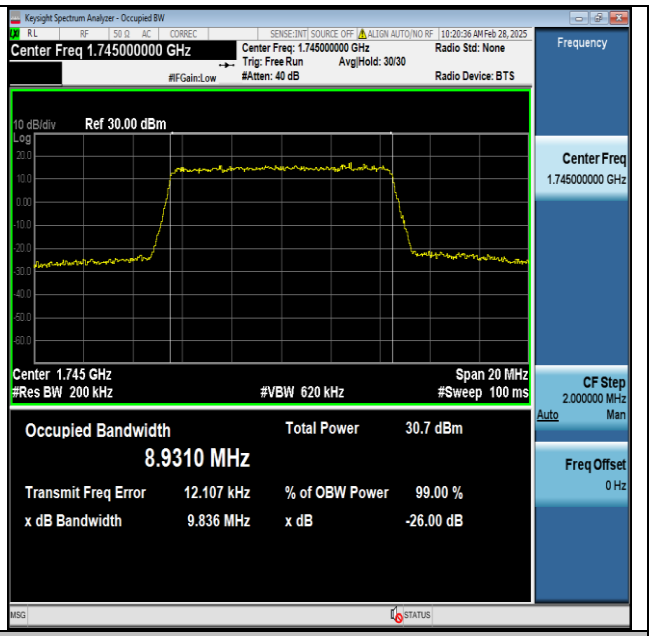

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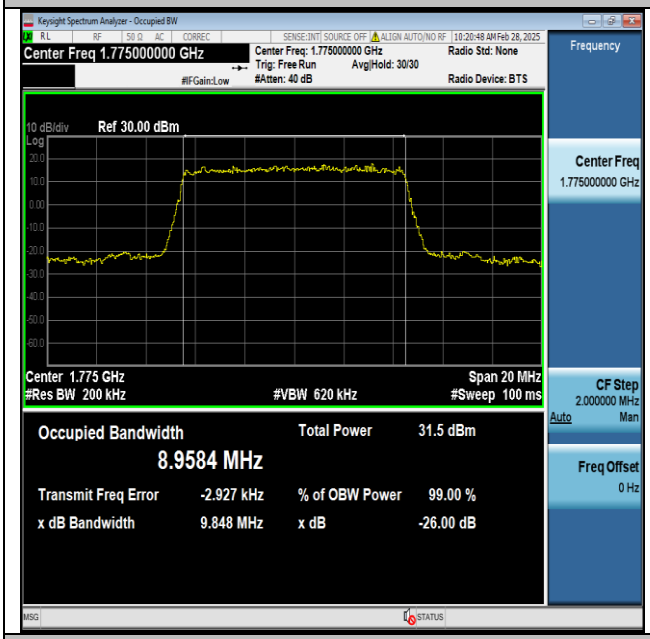

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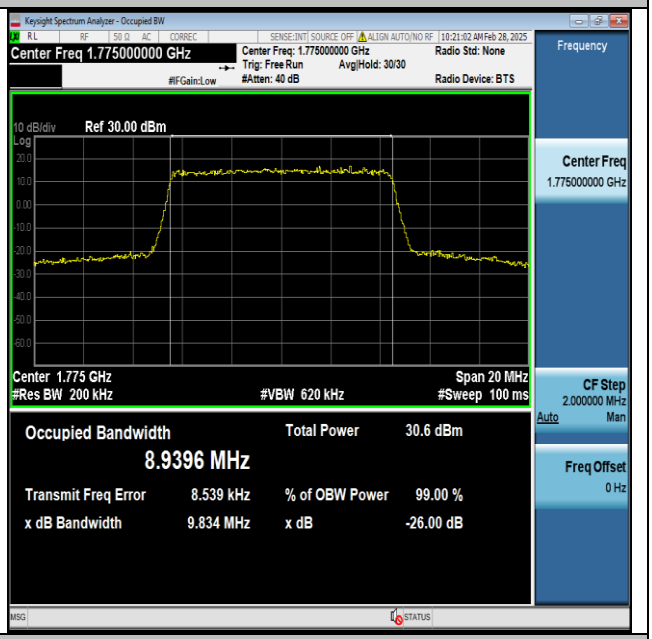

Band66-10MHz-16QAM-132622-50RB#0-PASS

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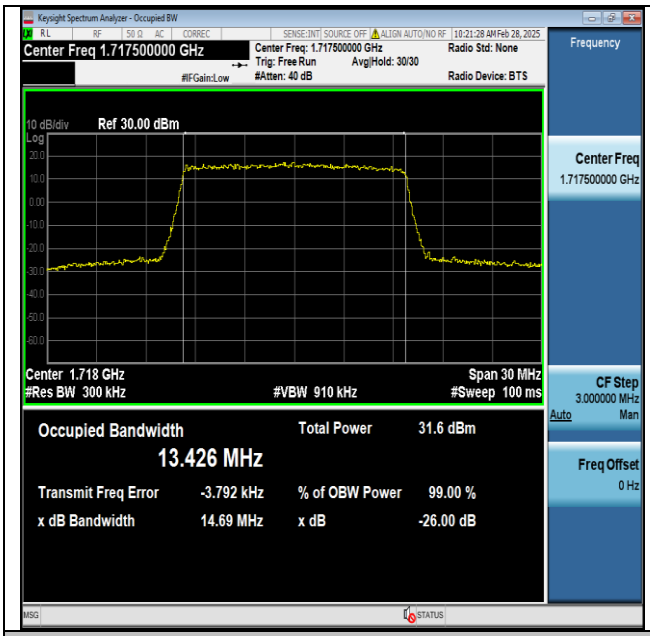
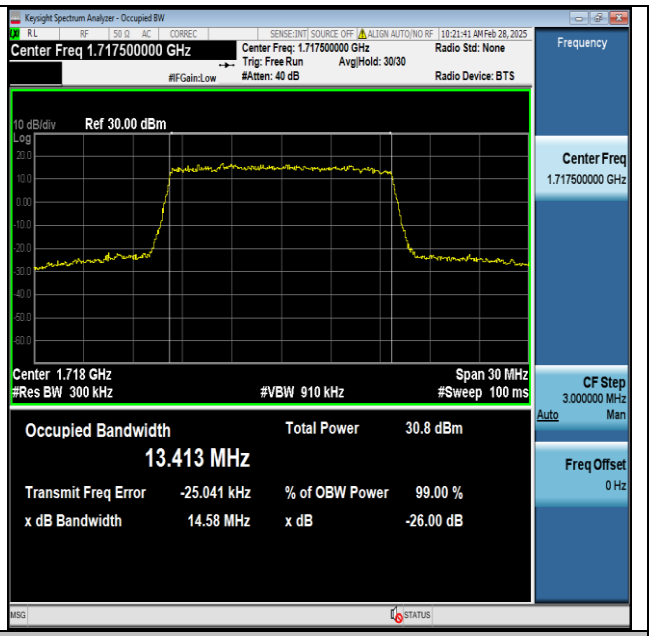


Band66-15MHz-QPSK-132047-75RB#0-PASS



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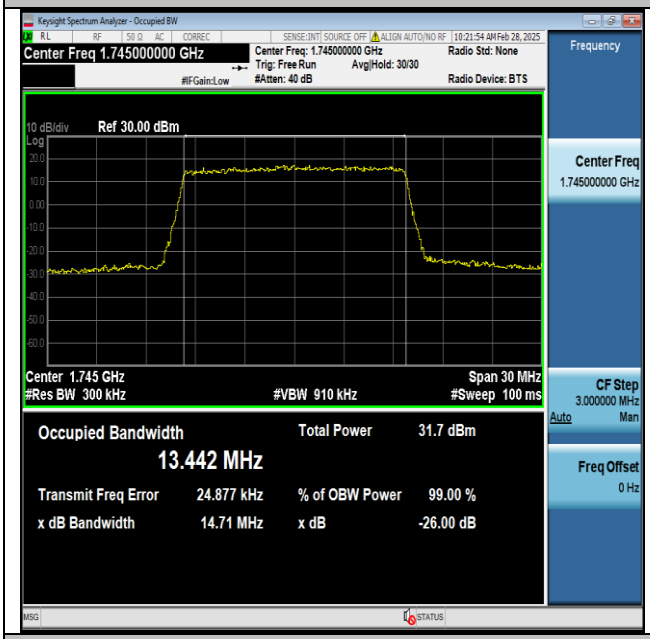

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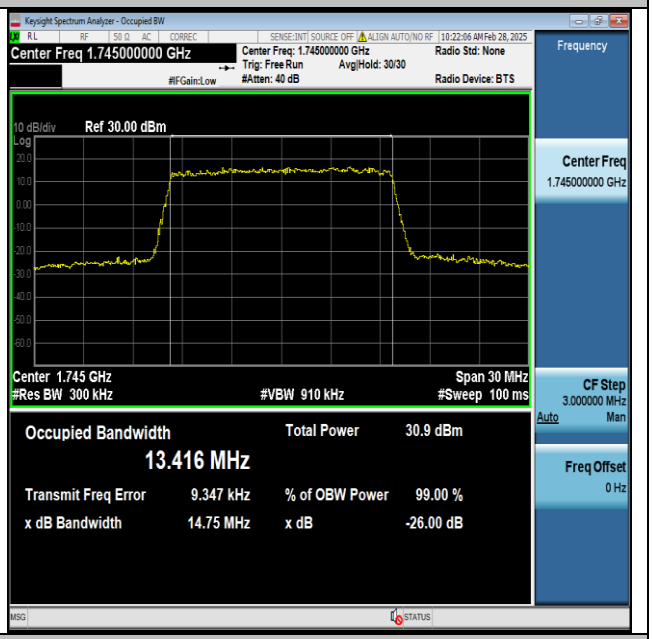

Band66-15MHz-16QAM-132322-75RB#0-PASS

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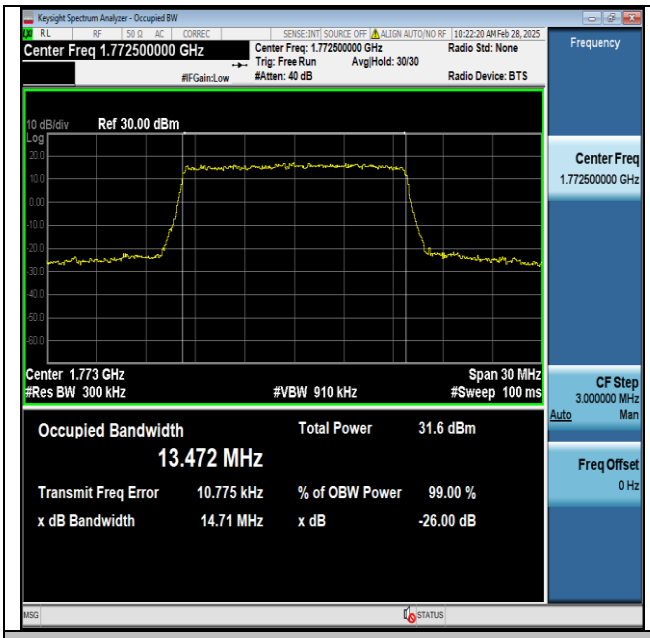

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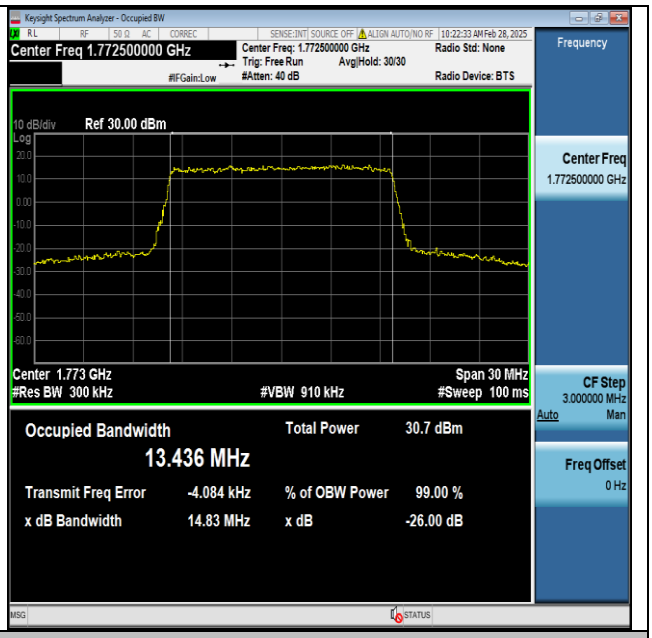
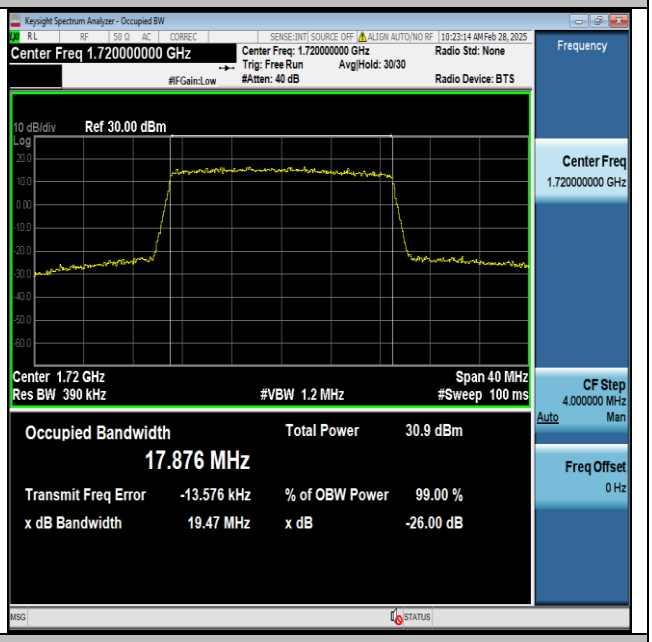


Band66-15MHz-16QAM-132597-75RB#0-PASS

Band66-20MHz-QPSK-132072-100RB#0-PASS



Band66-20MHz-16QAM-132072-100RB#0-PASS

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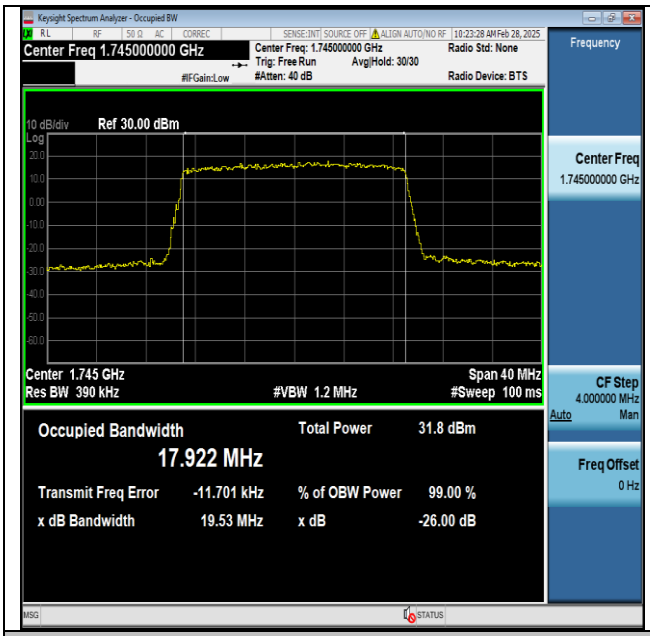

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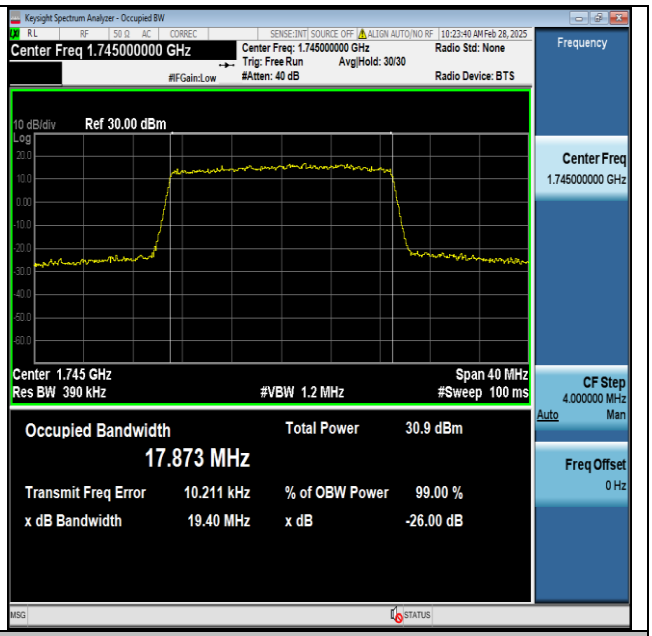

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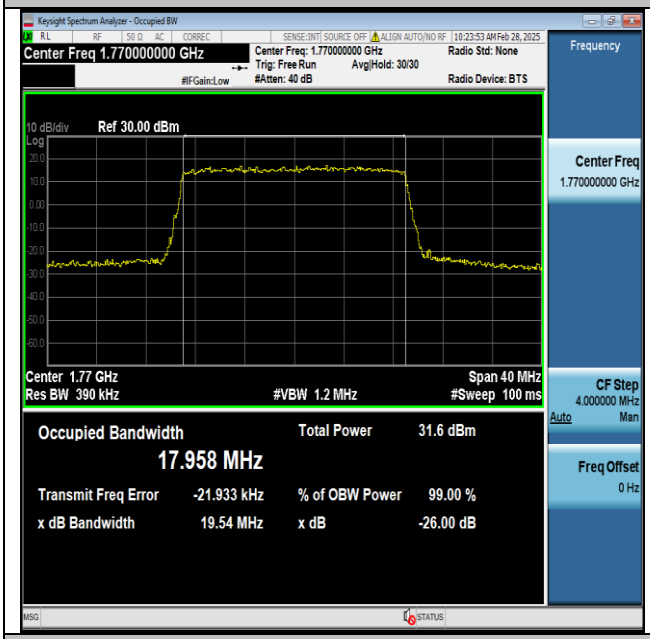

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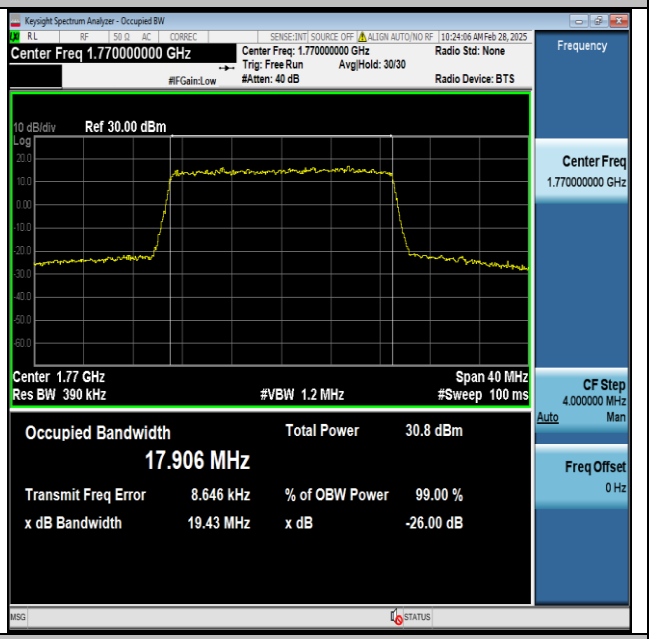

Band66-20MHz-16QAM-132572-100RB#0-PASS

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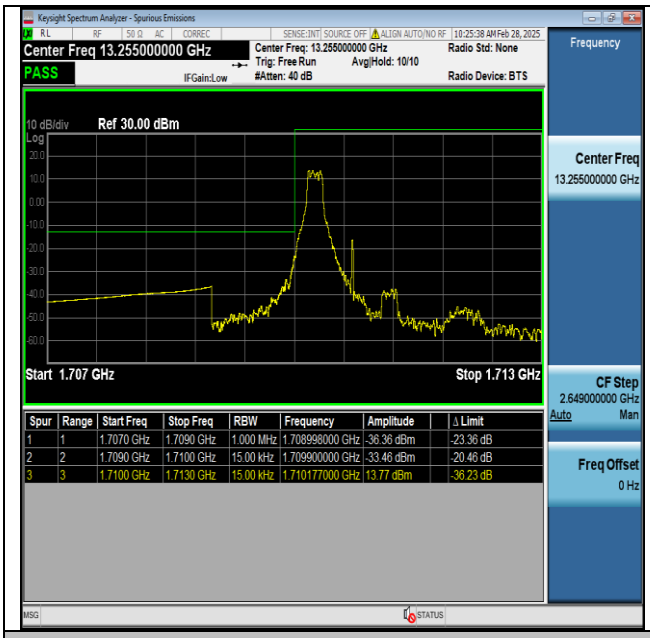
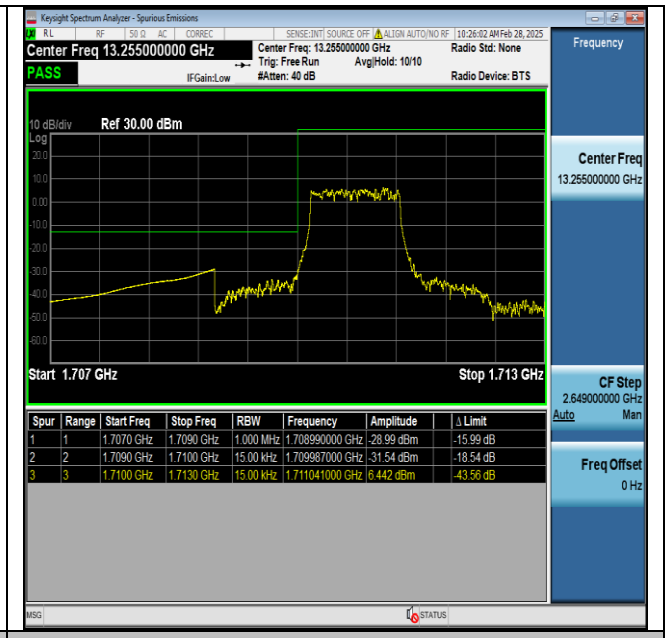
Band Edge

Test Graphs



Band66-1.4MHz-QPSK-131979-1RB#0-PASS



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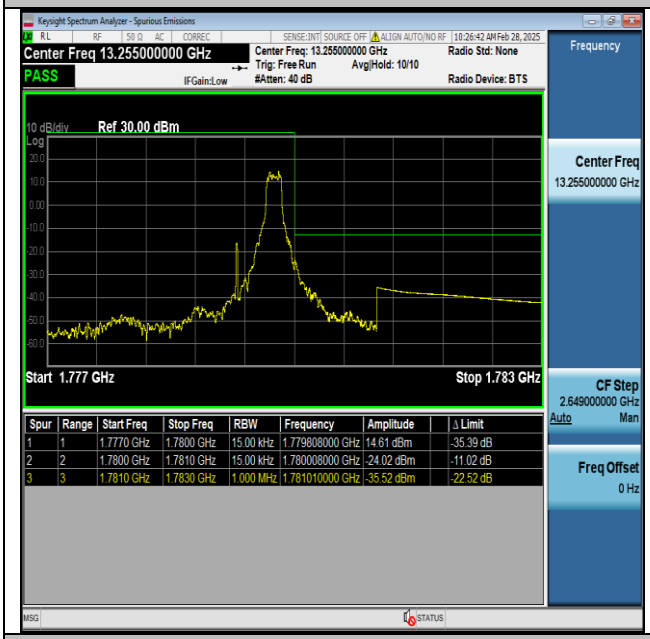

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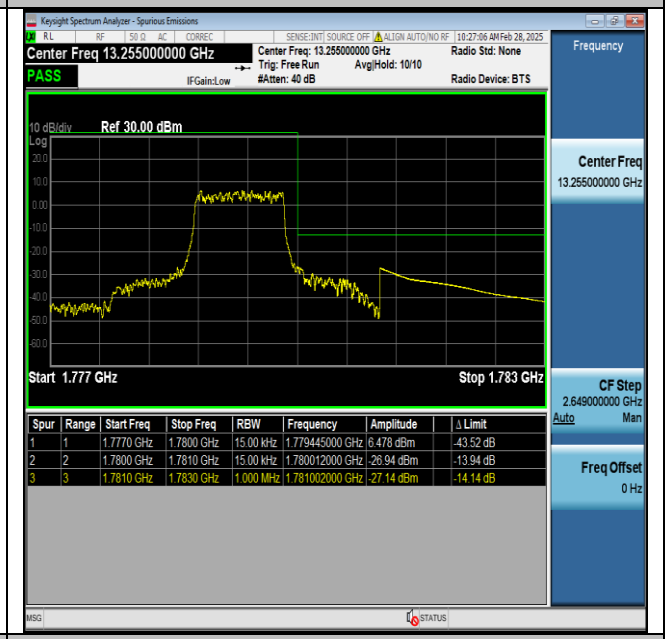

Band66-1.4MHz-QPSK-132665-6RB#0-PASS

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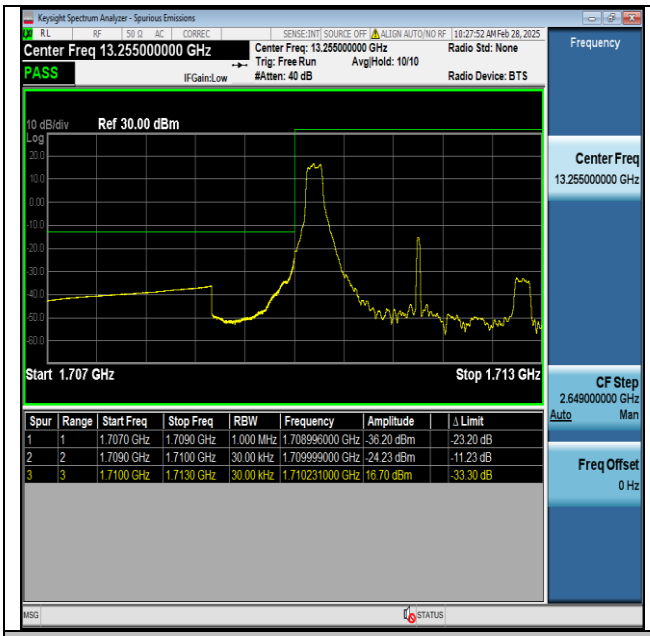

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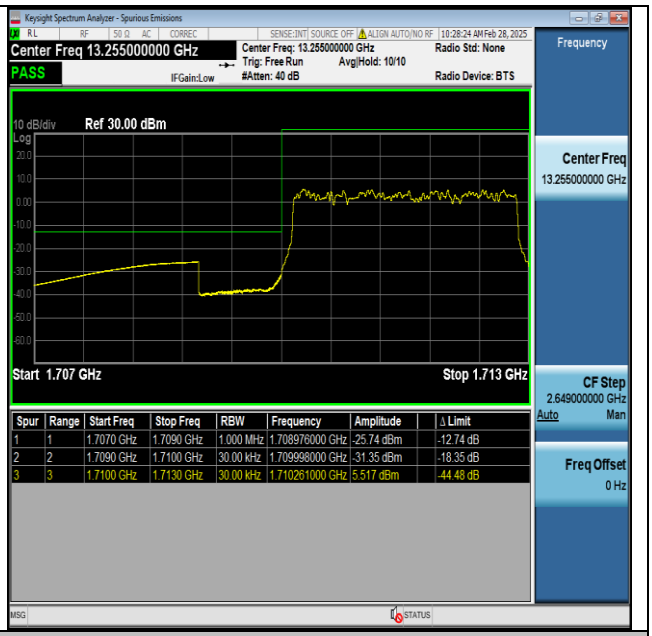
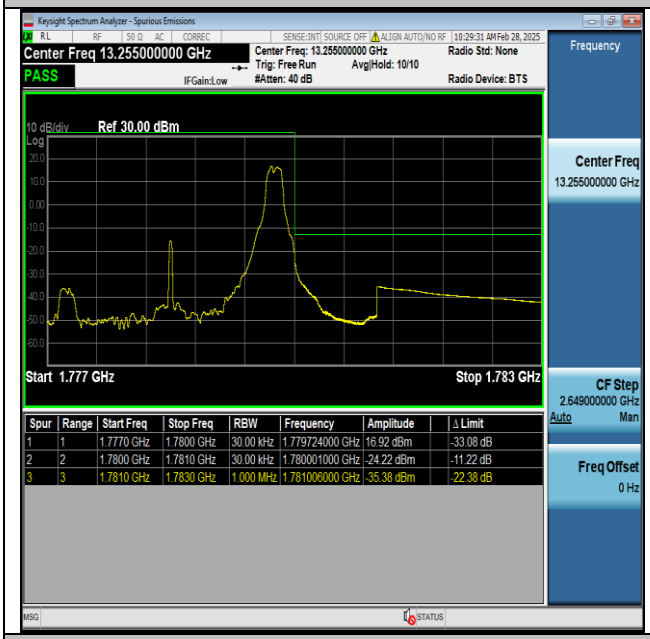
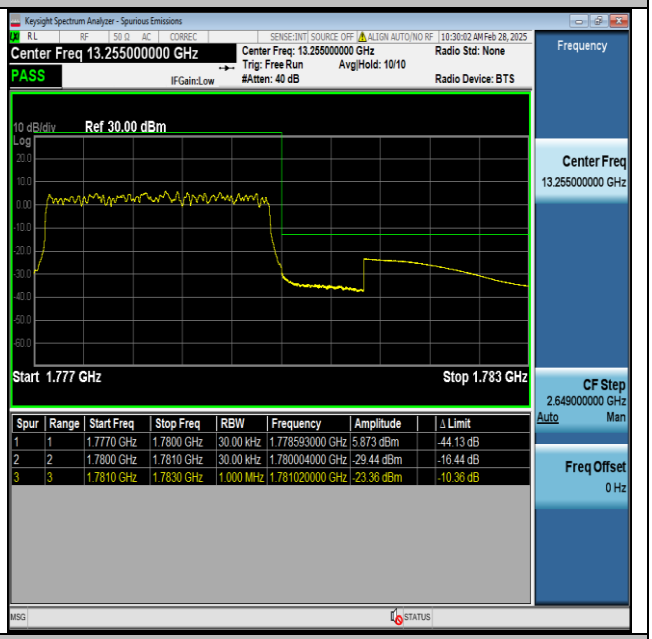


Band66-3MHz-QPSK-131987-15RB#0-PASS



Band66-3MHz-QPSK-132657-1RB#14-PASS



Band66-3MHz-QPSK-132657-15RB#0-PASS

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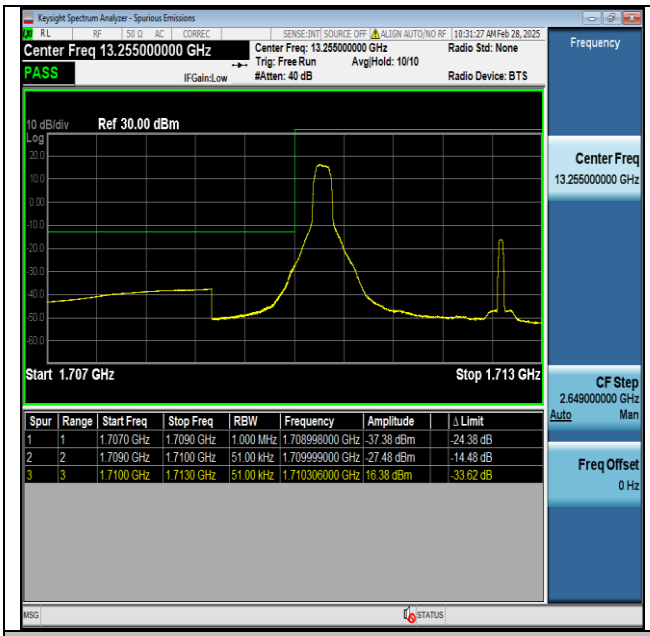

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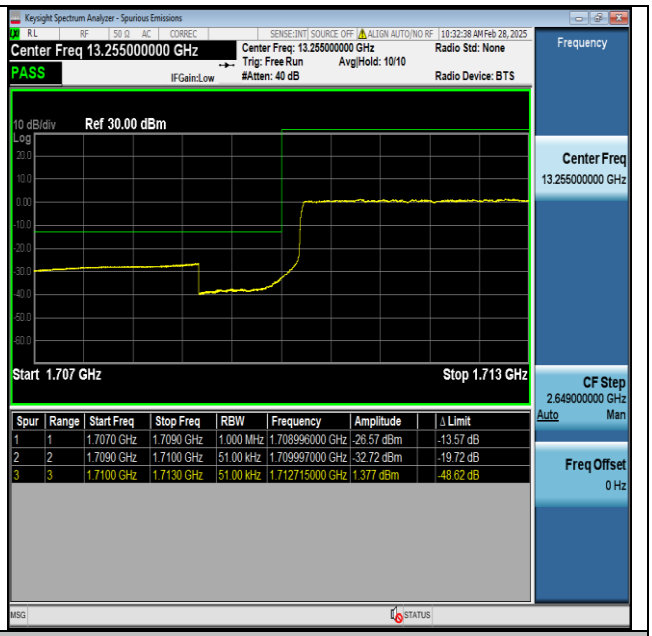
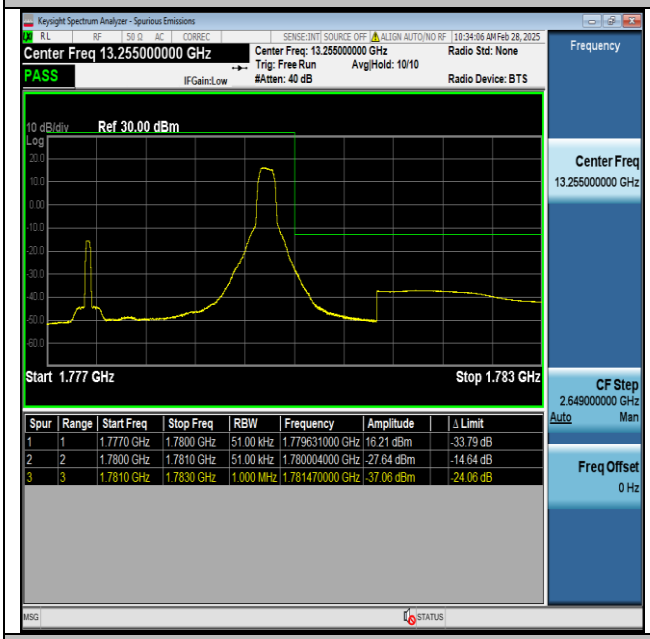
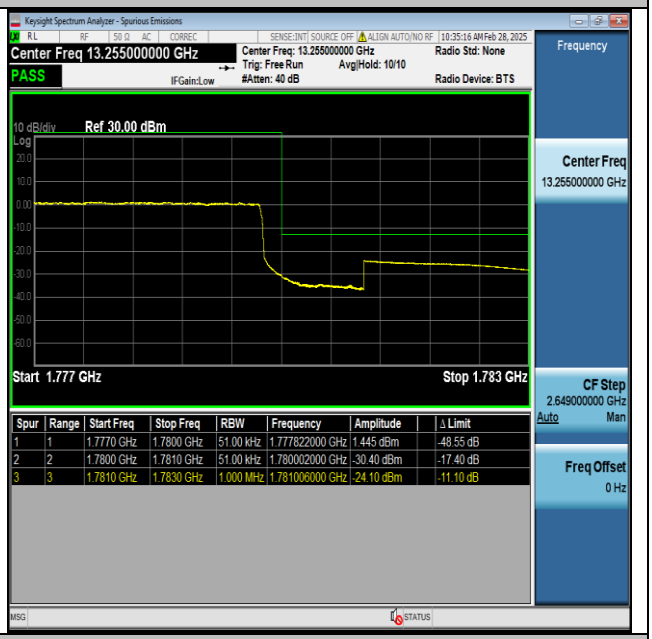


Band66-5MHz-QPSK-131997-25RB#0-PASS



Band66-5MHz-QPSK-132647-1RB#24-PASS



Band66-5MHz-QPSK-132647-25RB#0-PASS

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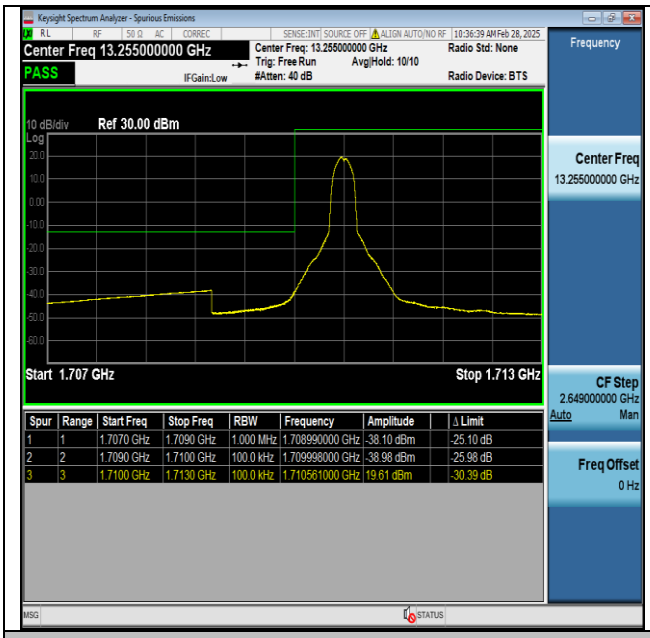
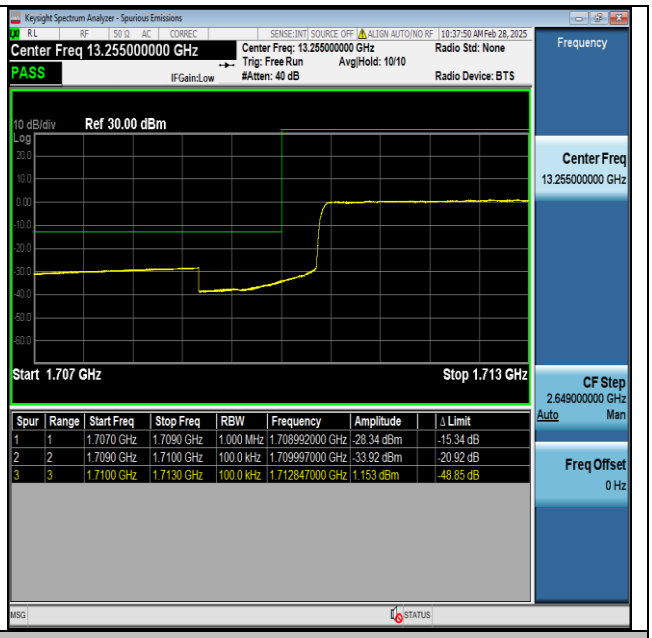
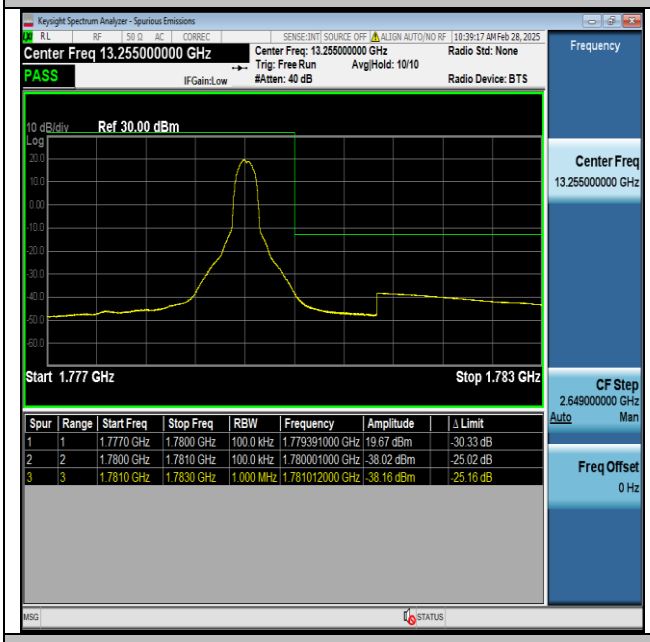


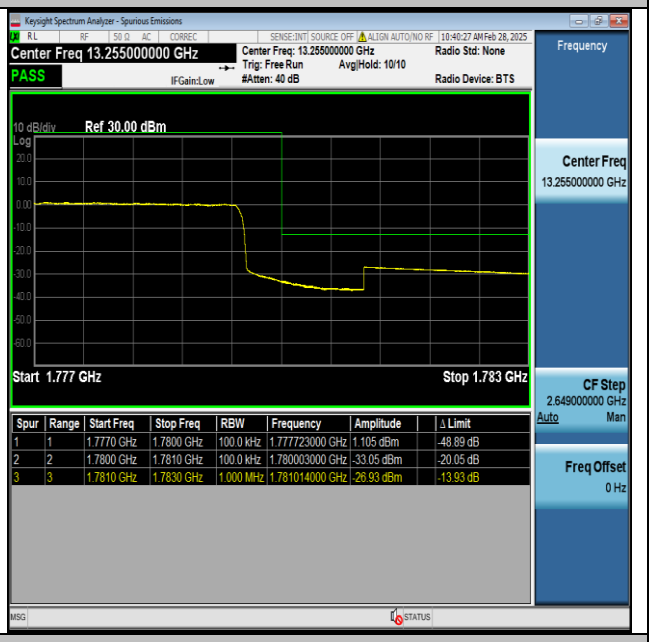
Band66-10MHz-QPSK-132022-1RB#0-PASS



Band66-10MHz-QPSK-132022-50RB#0-PASS



Band66-10MHz-QPSK-132622-1RB#49-PASS



Band66-10MHz-QPSK-132622-50RB#0-PASS

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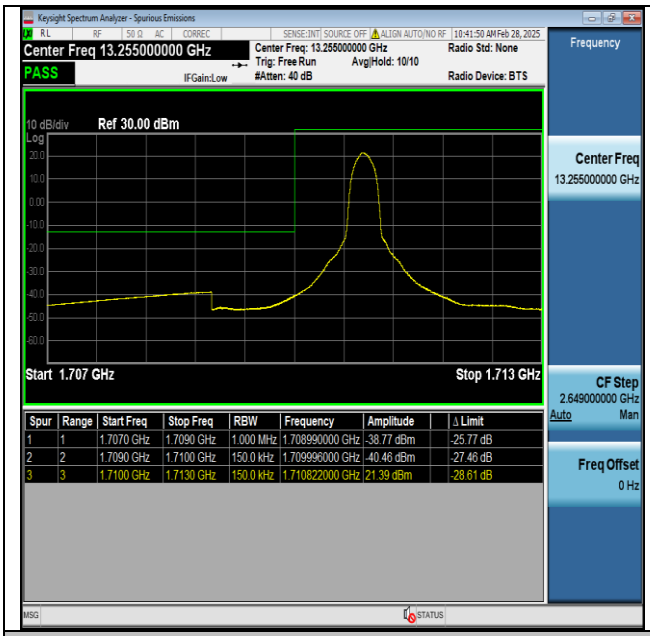
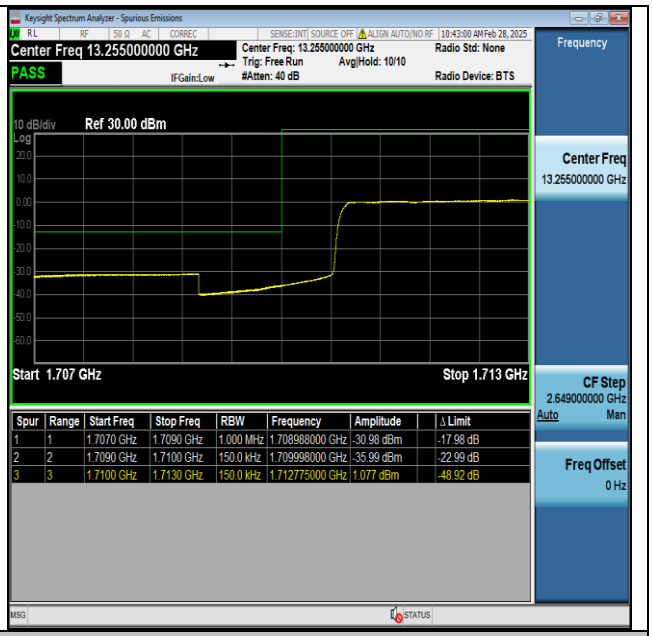
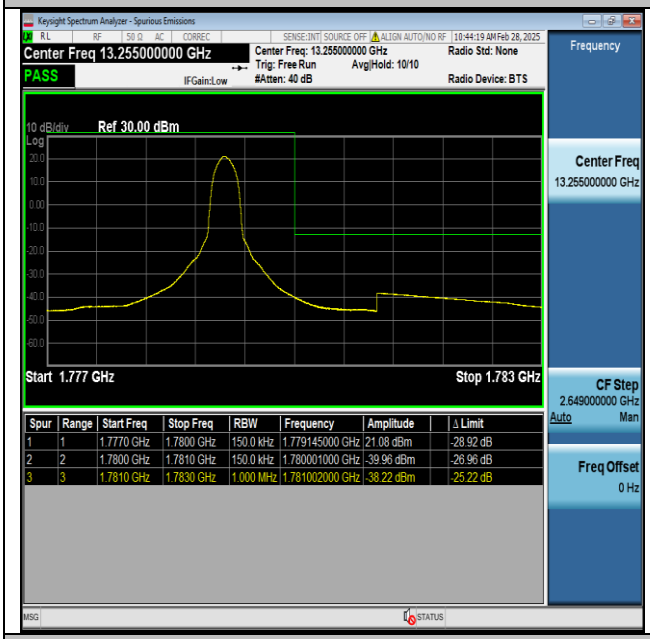


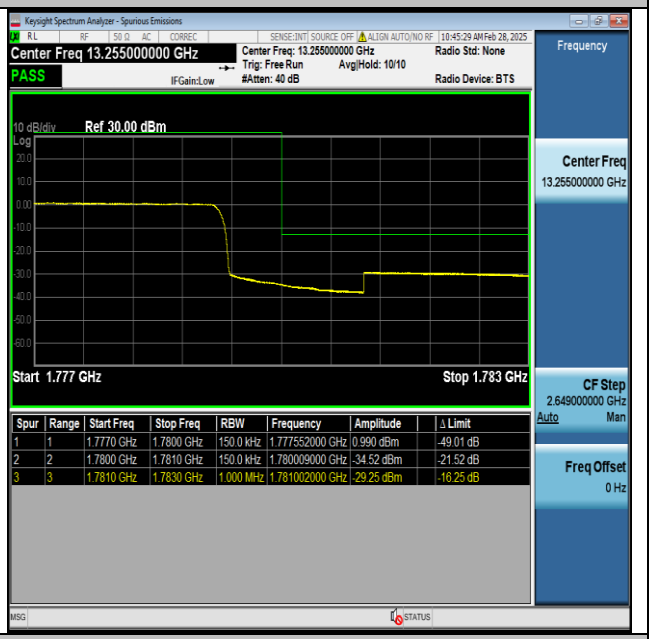
Band66-15MHz-QPSK-132047-1RB#0-PASS



Band66-15MHz-QPSK-132047-75RB#0-PASS



Band66-15MHz-QPSK-132597-1RB#74-PASS



Band66-15MHz-QPSK-132597-75RB#0-PASS

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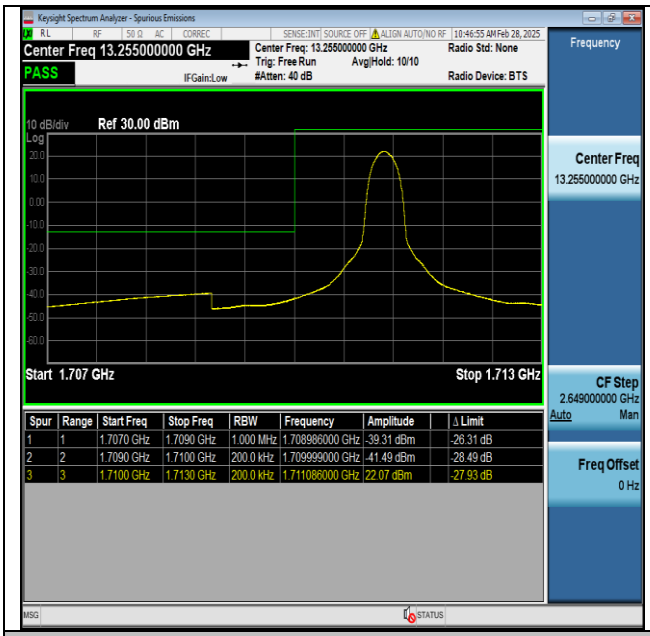
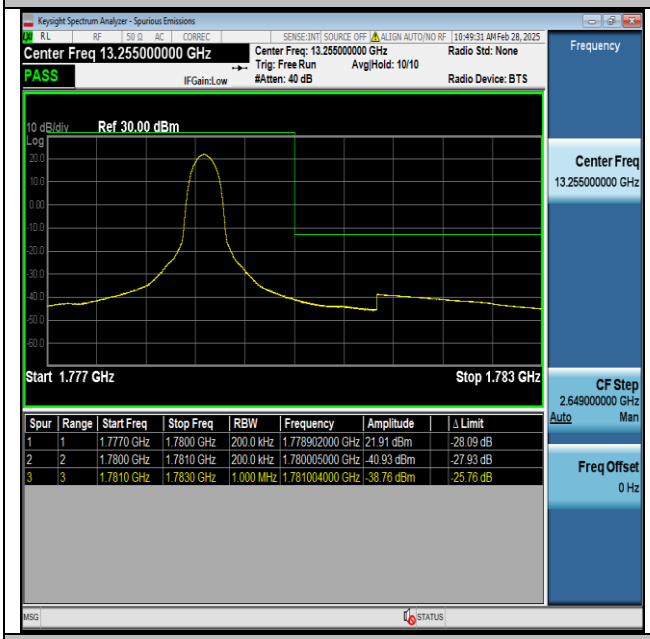
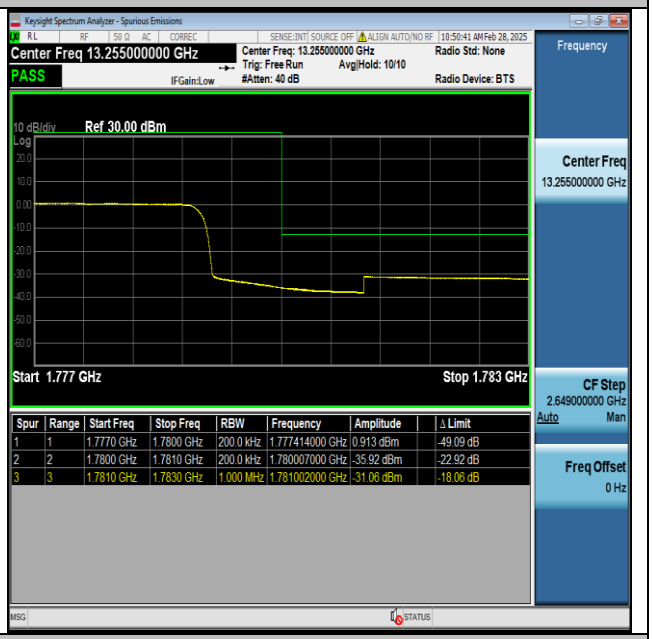


Band66-20MHz-QPSK-132072-1RB#0-PASS

Band66-20MHz-QPSK-132072-100RB#0-PASS



Band66-20MHz-QPSK-132572-1RB#99-PASS



Band66-20MHz-QPSK-132572-100RB#0-PASS

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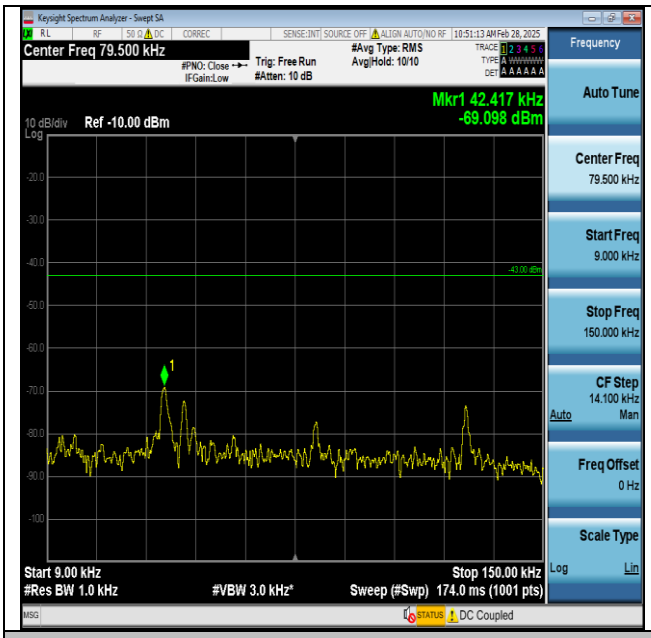
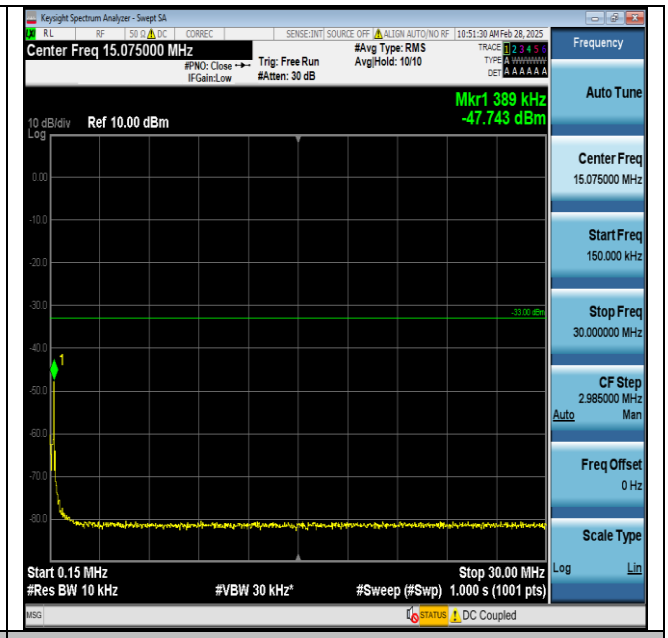
Conducted Spurious Emission

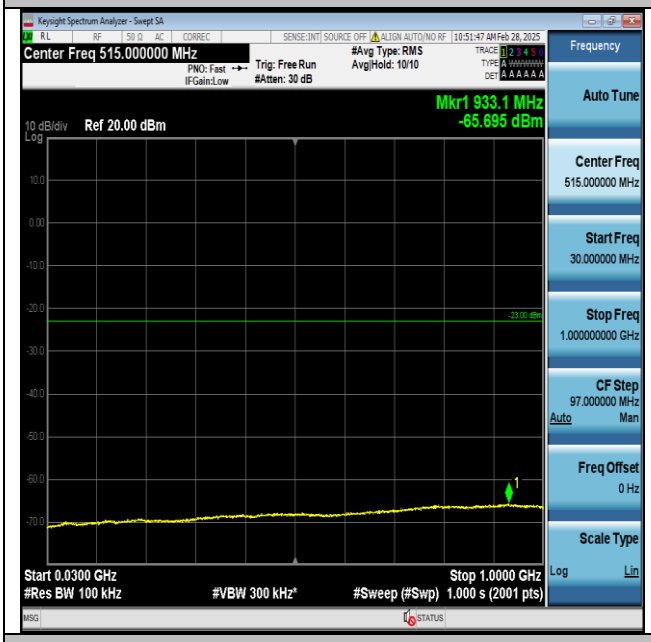
Test Graphs



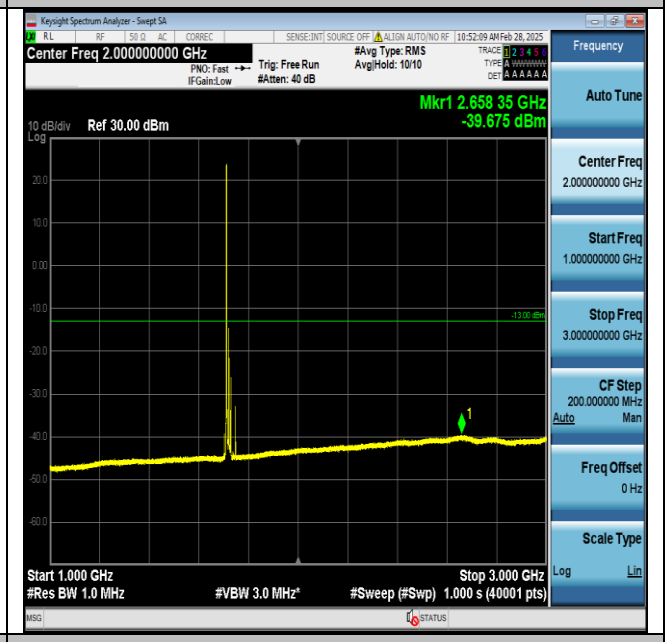
Band66-20MHz-QPSK-132072-1RB#0-0.009~0.15-PASS



Band66-20MHz-QPSK-132072-1RB#0-0.15~30-PASS



Band66-20MHz-QPSK-132072-1RB#0-30~1000-PASS



Band66-20MHz-QPSK-132072-1RB#0-1000~3000-PASS

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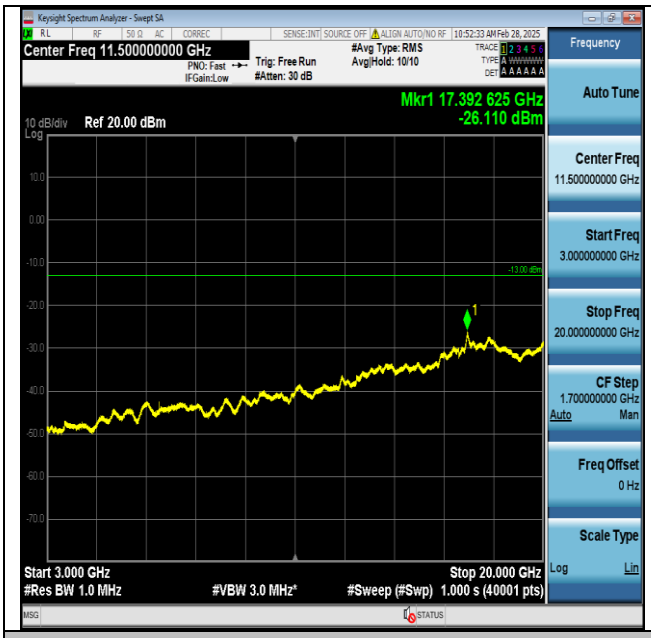
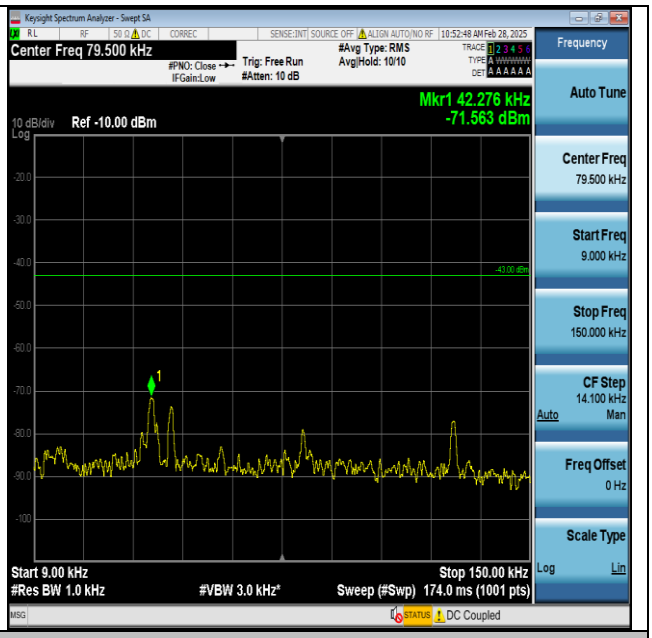
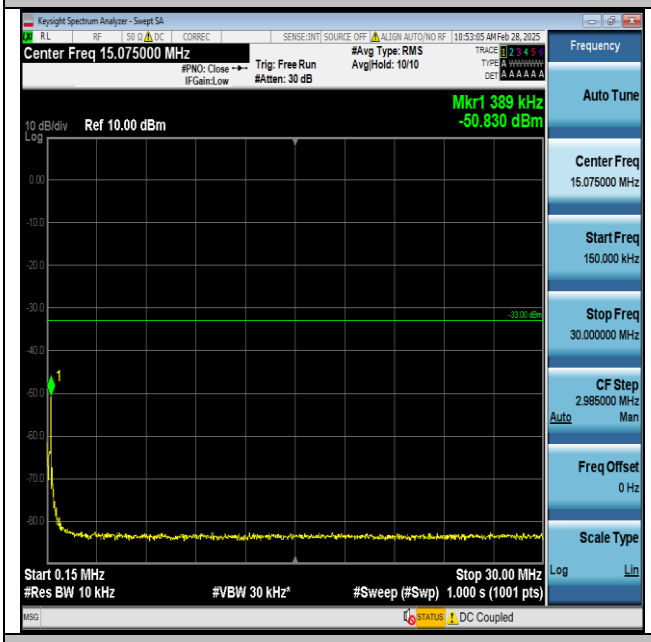


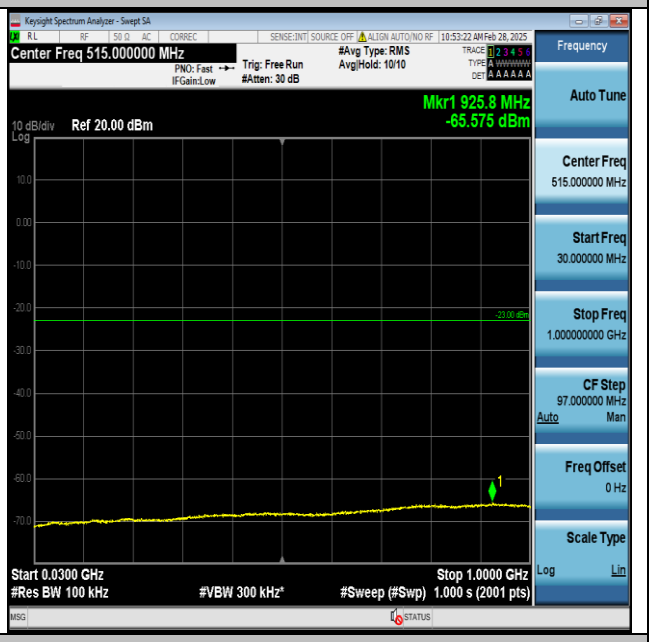
Band66-20MHz-QPSK-132072-1RB#0-3000~20000-PASS



Band66-20MHz-QPSK-132322-1RB#0-0.009~0.15-PASS



Band66-20MHz-QPSK-132322-1RB#0-0.15~30-PASS



Band66-20MHz-QPSK-132322-1RB#0-30~1000-PASS

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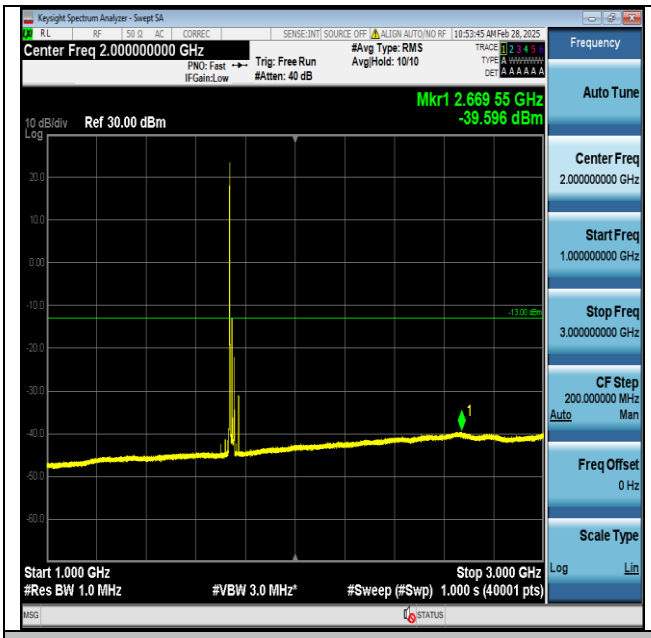
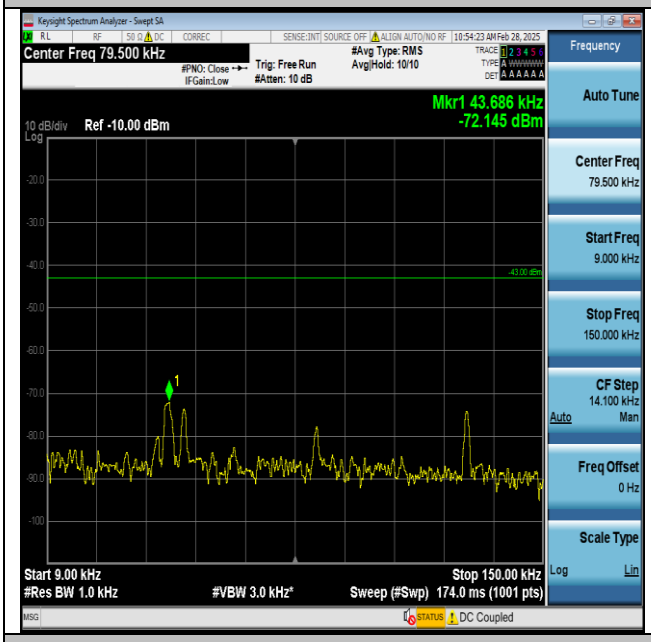
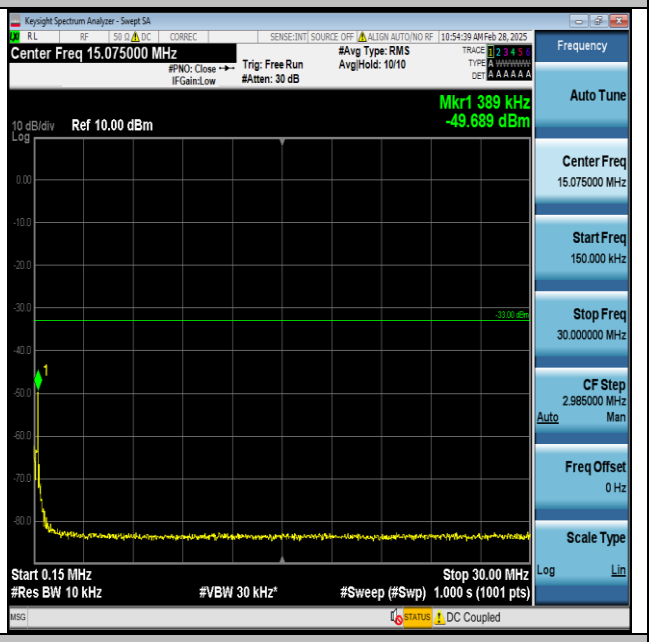


Band66-20MHz-QPSK-132322-1RB#0-1000~3000-PASS

Band66-20MHz-QPSK-132322-1RB#0-3000~20000-PASS



Band66-20MHz-QPSK-132572-1RB#0-0.009~0.15-PASS



Band66-20MHz-QPSK-132572-1RB#0-0.15~30-PASS

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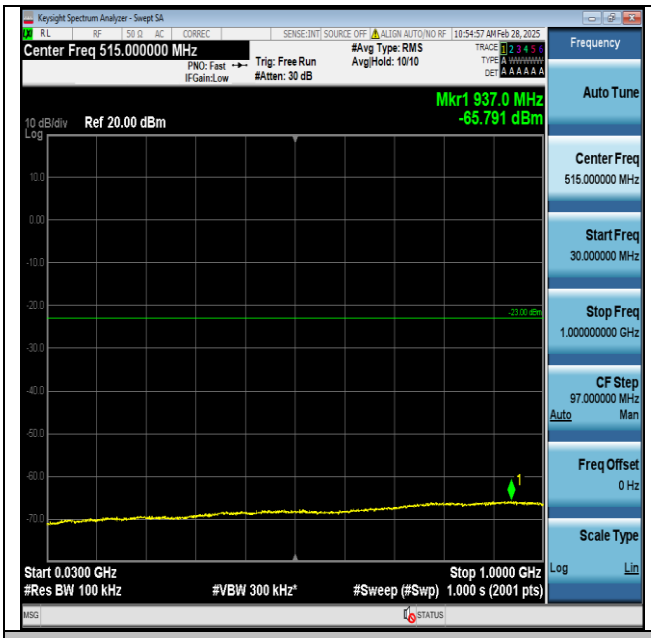
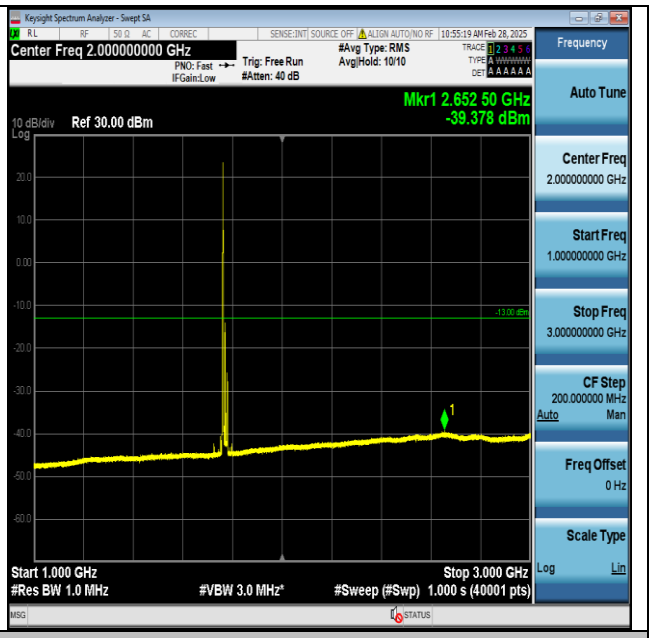


Band66-20MHz-QPSK-132572-1RB#0-30~1000-PASS



Band66-20MHz-QPSK-132572-1RB#0-1000~3000-PASS

Band66-20MHz-QPSK-132572-1RB#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
Band66	20MHz	QPSK	132322	100RB#0	VN	NT	-1.70	-0.000974	PASS
Band66	20MHz	QPSK	132322	100RB#0	VL	NT	-3.80	-0.002178	PASS
Band66	20MHz	QPSK	132322	100RB#0	VH	NT	-2.90	-0.001662	PASS

Temperature									
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Verdict
Band66	20MHz	QPSK	132322	100RB#0	NV	-30	-3.40	-0.001948	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	-20	-3.00	-0.001719	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	-10	-3.90	-0.002235	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	0	-1.80	-0.001032	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	10	-3.40	-0.001948	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	20	-3.60	-0.002063	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	30	-2.60	-0.001490	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	40	-4.10	-0.002350	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	50	-3.90	-0.002235	PASS

~The End~

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