Appendix-A 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	23.29	24.79	30	PASS
Band66	1.4MHz	QPSK	131979	1RB#2	23.51	25.01	30	PASS
Band66	1.4MHz	QPSK	131979	1RB#5	23.4	24.9	30	PASS
Band66	1.4MHz	QPSK	131979	6RB#0	22.34	23.84	30	PASS
Band66	1.4MHz	16QAM	131979	1RB#0	22.74	24.24	30	PASS
Band66	1.4MHz	16QAM	131979	1RB#2	22.86	24.36	30	PASS
Band66	1.4MHz	16QAM	131979	1RB#5	22.71	24.21	30	PASS
Band66	1.4MHz	16QAM	131979	6RB#0	21.61	23.11	30	PASS
Band66	1.4MHz	QPSK	132322	1RB#0	23.24	24.74	30	PASS
Band66	1.4MHz	QPSK	132322	1RB#2	23.22	24.72	30	PASS
Band66	1.4MHz	QPSK	132322	1RB#5	23.16	24.66	30	PASS
Band66	1.4MHz	QPSK	132322	6RB#0	22.18	23.68	30	PASS
Band66	1.4MHz	16QAM	132322	1RB#0	22.68	24.18	30	PASS
Band66	1.4MHz	16QAM	132322	1RB#2	22.81	24.31	30	PASS
Band66	1.4MHz	16QAM	132322	1RB#5	22.32	23.82	30	PASS
Band66	1.4MHz	16QAM	132322	6RB#0	21.38	22.88	30	PASS
Band66	1.4MHz	QPSK	132665	1RB#0	23.09	24.59	30	PASS
Band66	1.4MHz	QPSK	132665	1RB#2	23.07	24.57	30	PASS
Band66	1.4MHz	QPSK	132665	1RB#5	23.07	24.57	30	PASS
Band66	1.4MHz	QPSK	132665	6RB#0	22.07	23.57	30	PASS
Band66	1.4MHz	16QAM	132665	1RB#0	22.39	23.89	30	PASS
Band66	1.4MHz	16QAM	132665	1RB#2	22.55	24.05	30	PASS
Band66	1.4MHz	16QAM	132665	1RB#5	22.41	23.91	30	PASS
Band66	1.4MHz	16QAM	132665	6RB#0	21.13	22.63	30	PASS
Band66	3MHz	QPSK	131987	1RB#0	23.38	24.88	30	PASS
Band66	3MHz	QPSK	131987	1RB#8	23.43	24.93	30	PASS
Band66	3MHz	QPSK	131987	1RB#14	23.36	24.86	30	PASS
Band66	3MHz	QPSK	131987	15RB#0	22.42	23.92	30	PASS
Band66	3MHz	16QAM	131987	1RB#0	22.55	24.05	30	PASS
Band66	3MHz	16QAM	131987	1RB#8	22.74	24.24	30	PASS
Band66	3MHz	16QAM	131987	1RB#14	22.83	24.33	30	PASS
Band66	3MHz	16QAM	131987	15RB#0	21.51	23.01	30	PASS
Band66	3MHz	QPSK	132322	1RB#0	23.25	24.75	30	PASS
Band66	3MHz	QPSK	132322	1RB#8	23.31	24.81	30	PASS
Band66	3MHz	QPSK	132322	1RB#14	23.2	24.7	30	PASS
Band66	3MHz	QPSK	132322	15RB#0	22.25	23.75	30	PASS
Band66	3MHz	16QAM	132322	1RB#0	22.59	24.09	30	PASS

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Band66	3MHz	16QAM	132322	1RB#8	22.72	24.22	30	PASS
Band66	3MHz	16QAM	132322	1RB#14	22.52	24.02	30	PASS
Band66	3MHz	16QAM	132322	15RB#0	21.36	22.86	30	PASS
Band66	3MHz	QPSK	132657	1RB#0	23.09	24.59	30	PASS
Band66	3MHz	QPSK	132657	1RB#8	23.14	24.64	30	PASS
Band66	3MHz	QPSK	132657	1RB#14	23.06	24.56	30	PASS
Band66	3MHz	QPSK	132657	15RB#0	22.12	23.62	30	PASS
Band66	3MHz	16QAM	132657	1RB#0	22.41	23.91	30	PASS
Band66	3MHz	16QAM	132657	1RB#8	22.48	23.98	30	PASS
Band66	3MHz	16QAM	132657	1RB#14	22.52	24.02	30	PASS
Band66	3MHz	16QAM	132657	15RB#0	21.17	22.67	30	PASS
Band66	5MHz	QPSK	131997	1RB#0	23.51	25.01	30	PASS
Band66	5MHz	QPSK	131997	1RB#12	23.54	25.04	30	PASS
Band66	5MHz	QPSK	131997	1RB#24	23.52	25.02	30	PASS
Band66	5MHz	QPSK	131997	25RB#0	22.51	24.01	30	PASS
Band66	5MHz	16QAM	131997	1RB#0	23.05	24.55	30	PASS
Band66	5MHz	16QAM	131997	1RB#12	22.94	24.44	30	PASS
Band66	5MHz	16QAM	131997	1RB#24	22.84	24.34	30	PASS
Band66	5MHz	16QAM	131997	25RB#0	21.65	23.15	30	PASS
Band66	5MHz	QPSK	132322	1RB#0	23.21	24.71	30	PASS
Band66	5MHz	QPSK	132322	1RB#12	23.24	24.74	30	PASS
Band66	5MHz	QPSK	132322	1RB#24	23.22	24.72	30	PASS
Band66	5MHz	QPSK	132322	25RB#0	22.28	23.78	30	PASS
Band66	5MHz	16QAM	132322	1RB#0	22.65	24.15	30	PASS
Band66	5MHz	16QAM	132322	1RB#12	22.74	24.24	30	PASS
Band66	5MHz	16QAM	132322	1RB#24	22.42	23.92	30	PASS
Band66	5MHz	16QAM	132322	25RB#0	21.42	22.92	30	PASS
Band66	5MHz	QPSK	132647	1RB#0	23.14	24.64	30	PASS
Band66	5MHz	QPSK	132647	1RB#12	23.19	24.69	30	PASS
Band66	5MHz	QPSK	132647	1RB#24	23.05	24.55	30	PASS
Band66	5MHz	QPSK	132647	25RB#0	22.09	23.59	30	PASS
Band66	5MHz	16QAM	132647	1RB#0	22.56	24.06	30	PASS
Band66	5MHz	16QAM	132647	1RB#12	22.65	24.15	30	PASS
Band66	5MHz	16QAM	132647	1RB#24	22.51	24.01	30	PASS
Band66	5MHz	16QAM	132647	25RB#0	21.21	22.71	30	PASS
Band66	10MHz	QPSK	132022	1RB#0	23.51	25.01	30	PASS
Band66	10MHz	QPSK	132022	1RB#24	23.52	25.02	30	PASS
Band66	10MHz	QPSK	132022	1RB#49	23.51	25.01	30	PASS
Band66	10MHz	QPSK	132022	50RB#0	22.33	23.83	30	PASS
Band66	10MHz	16QAM	132022	1RB#0	22.87	24.37	30	PASS
Band66	10MHz	16QAM	132022	1RB#24	22.66	24.16	30	PASS
Band66	10MHz	16QAM	132022	1RB#49	22.87	24.37	30	PASS
Band66	10MHz	16QAM	132022	50RB#0	21.61	23.11	30	PASS
Band66	10MHz	QPSK	132322	1RB#0	23.26	24.76	30	PASS
Band66	10MHz	QPSK	132322	1RB#24	23.22	24.72	30	PASS

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Band66	10MHz	QPSK	132322	1RB#49	23.26	24.76	30	PASS
Band66	10MHz	QPSK	132322	50RB#0	22.25	23.75	30	PASS
Band66	10MHz	16QAM	132322	1RB#0	22.62	24.12	30	PASS
Band66	10MHz	16QAM	132322	1RB#24	22.82	24.32	30	PASS
Band66	10MHz	16QAM	132322	1RB#49	22.47	23.97	30	PASS
Band66	10MHz	16QAM	132322	50RB#0	21.38	22.88	30	PASS
Band66	10MHz	QPSK	132622	1RB#0	23.06	24.56	30	PASS
Band66	10MHz	QPSK	132622	1RB#24	23.08	24.58	30	PASS
Band66	10MHz	QPSK	132622	1RB#49	23.08	24.58	30	PASS
Band66	10MHz	QPSK	132622	50RB#0	22.1	23.6	30	PASS
Band66	10MHz	16QAM	132622	1RB#0	22.48	23.98	30	PASS
Band66	10MHz	16QAM	132622	1RB#24	22.55	24.05	30	PASS
Band66	10MHz	16QAM	132622	1RB#49	22.46	23.96	30	PASS
Band66	10MHz	16QAM	132622	50RB#0	21.28	22.78	30	PASS
Band66	15MHz	QPSK	132047	1RB#0	23.38	24.88	30	PASS
Band66	15MHz	QPSK	132047	1RB#38	23.48	24.98	30	PASS
Band66	15MHz	QPSK	132047	1RB#74	23.48	24.98	30	PASS
Band66	15MHz	QPSK	132047	75RB#0	22.27	23.77	30	PASS
Band66	15MHz	16QAM	132047	1RB#0	22.81	24.31	30	PASS
Band66	15MHz	16QAM	132047	1RB#38	22.7	24.2	30	PASS
Band66	15MHz	16QAM	132047	1RB#74	22.67	24.17	30	PASS
Band66	15MHz	16QAM	132047	75RB#0	21.59	23.09	30	PASS
Band66	15MHz	QPSK	132322	1RB#0	23.23	24.73	30	PASS
Band66	15MHz	QPSK	132322	1RB#38	23.26	24.76	30	PASS
Band66	15MHz	QPSK	132322	1RB#74	23.12	24.62	30	PASS
Band66	15MHz	QPSK	132322	75RB#0	22.29	23.79	30	PASS
Band66	15MHz	16QAM	132322	1RB#0	22.73	24.23	30	PASS
Band66	15MHz	16QAM	132322	1RB#38	22.78	24.28	30	PASS
Band66	15MHz	16QAM	132322	1RB#74	22.66	24.16	30	PASS
Band66	15MHz	16QAM	132322	75RB#0	21.37	22.87	30	PASS
Band66	15MHz	QPSK	132597	1RB#0	23.11	24.61	30	PASS
Band66	15MHz	QPSK	132597	1RB#38	23.12	24.62	30	PASS
Band66	15MHz	QPSK	132597	1RB#74	23.01	24.51	30	PASS
Band66	15MHz	QPSK	132597	75RB#0	22.13	23.63	30	PASS
Band66	15MHz	16QAM	132597	1RB#0	22.56	24.06	30	PASS
Band66	15MHz	16QAM	132597	1RB#38	22.52	24.02	30	PASS
Band66	15MHz	16QAM	132597	1RB#74	22.57	24.07	30	PASS
Band66	15MHz	16QAM	132597	75RB#0	21.18	22.68	30	PASS
Band66	20MHz	QPSK	132072	1RB#0	23.37	24.87	30	PASS
Band66	20MHz	QPSK	132072	1RB#49	23.49	24.99	30	PASS
Band66	20MHz	QPSK	132072	1RB#99	23.46	24.96	30	PASS
Band66	20MHz	QPSK	132072	100RB#0	22.31	23.81	30	PASS
Band66	20MHz	16QAM	132072	1RB#0	22.91	24.41	30	PASS
Band66	20MHz	16QAM	132072	1RB#49	22.82	24.32	30	PASS
Band66	20MHz	16QAM	132072	1RB#99	22.84	24.34	30	PASS

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Band66	20MHz	16QAM	132072	100RB#0	21.53	23.03	30	PASS
Band66	20MHz	QPSK	132322	1RB#0	23.24	24.74	30	PASS
Band66	20MHz	QPSK	132322	1RB#49	23.25	24.75	30	PASS
Band66	20MHz	QPSK	132322	1RB#99	23.15	24.65	30	PASS
Band66	20MHz	QPSK	132322	100RB#0	22.28	23.78	30	PASS
Band66	20MHz	16QAM	132322	1RB#0	22.62	24.12	30	PASS
Band66	20MHz	16QAM	132322	1RB#49	22.83	24.33	30	PASS
Band66	20MHz	16QAM	132322	1RB#99	22.43	23.93	30	PASS
Band66	20MHz	16QAM	132322	100RB#0	21.33	22.83	30	PASS
Band66	20MHz	QPSK	132572	1RB#0	23.03	24.53	30	PASS
Band66	20MHz	QPSK	132572	1RB#49	23.12	24.62	30	PASS
Band66	20MHz	QPSK	132572	1RB#99	23.15	24.65	30	PASS
Band66	20MHz	QPSK	132572	100RB#0	22.14	23.64	30	PASS
Band66	20MHz	16QAM	132572	1RB#0	22.59	24.09	30	PASS
Band66	20MHz	16QAM	132572	1RB#49	22.5	24	30	PASS
Band66	20MHz	16QAM	132572	1RB#99	22.4	23.9	30	PASS
Band66	20MHz	16QAM	132572	100RB#0	21.2	22.7	30	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	4.77	13	PASS
Band66	20MHz	16QAM	132072	100RB#0	5.96	13	PASS
Band66	20MHz	QPSK	132322	100RB#0	4.98	13	PASS
Band66	20MHz	16QAM	132322	100RB#0	6.15	13	PASS
Band66	20MHz	QPSK	132572	100RB#0	4.87	13	PASS
Band66	20MHz	16QAM	132572	100RB#0	6.03	13	PASS

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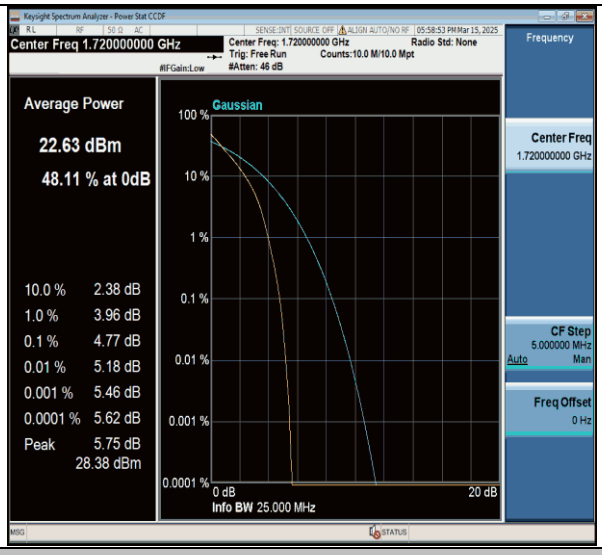
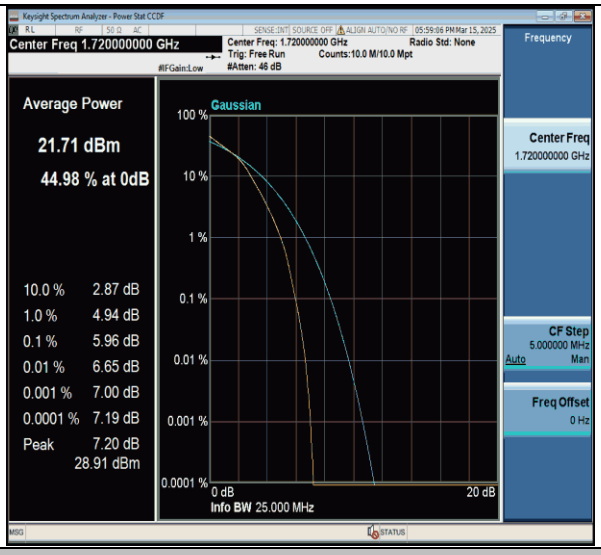
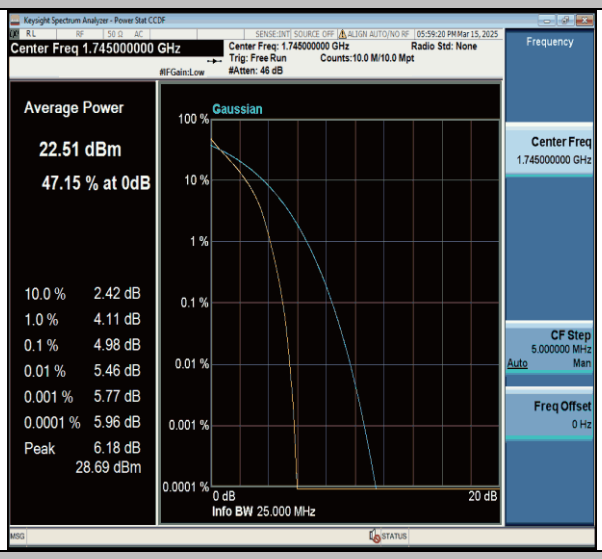
Test Graphs



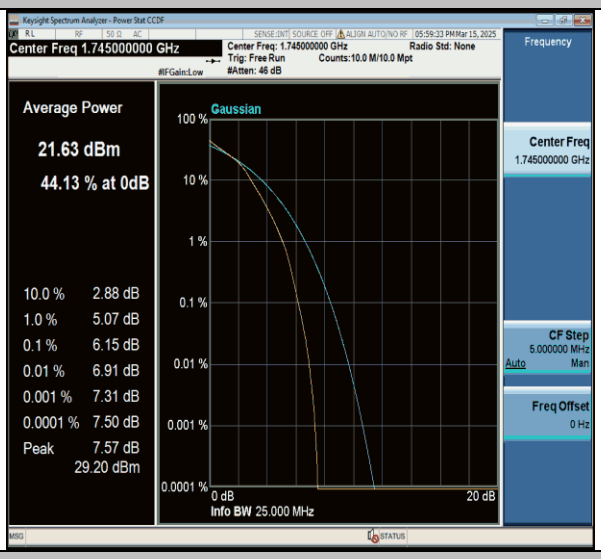
Band66-20MHz-QPSK-132072-100RB#0-PASS



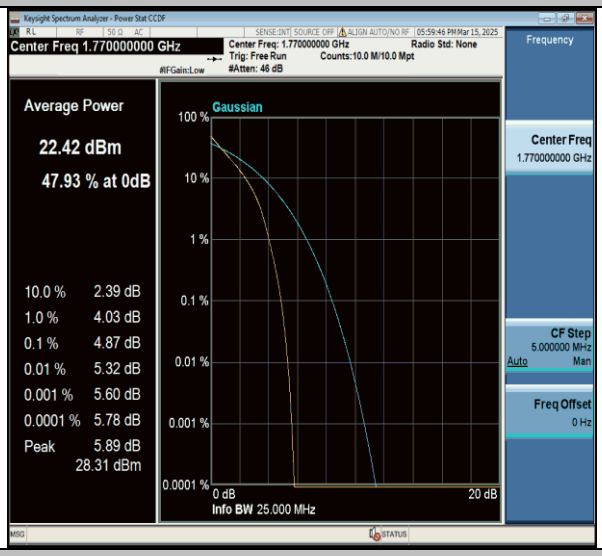
Band66-20MHz-16QAM-132072-100RB#0-PASS



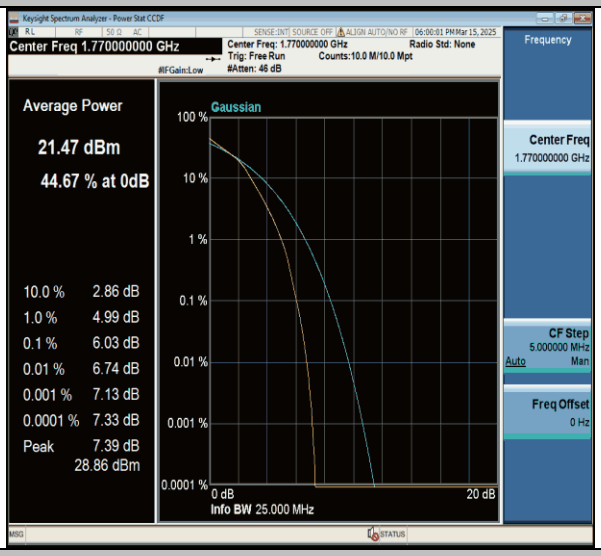
Band66-20MHz-QPSK-132322-100RB#0-PASS



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



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	1.0870	1.232	PASS
Band66	1.4MHz	16QAM	131979	6RB#0	1.0955	1.224	PASS
Band66	1.4MHz	QPSK	132322	6RB#0	1.0871	1.218	PASS
Band66	1.4MHz	16QAM	132322	6RB#0	1.0903	1.230	PASS
Band66	1.4MHz	QPSK	132665	6RB#0	1.0874	1.242	PASS
Band66	1.4MHz	16QAM	132665	6RB#0	1.0907	1.234	PASS
Band66	3MHz	QPSK	131987	15RB#0	2.6990	2.948	PASS
Band66	3MHz	16QAM	131987	15RB#0	2.6959	2.987	PASS
Band66	3MHz	QPSK	132322	15RB#0	2.6894	2.975	PASS
Band66	3MHz	16QAM	132322	15RB#0	2.6891	2.974	PASS
Band66	3MHz	QPSK	132657	15RB#0	2.6969	2.958	PASS
Band66	3MHz	16QAM	132657	15RB#0	2.6988	2.954	PASS
Band66	5MHz	QPSK	131997	25RB#0	4.4861	4.957	PASS
Band66	5MHz	16QAM	131997	25RB#0	4.4874	4.965	PASS
Band66	5MHz	QPSK	132322	25RB#0	4.4905	4.919	PASS
Band66	5MHz	16QAM	132322	25RB#0	4.4948	4.929	PASS
Band66	5MHz	QPSK	132647	25RB#0	4.4879	4.929	PASS
Band66	5MHz	16QAM	132647	25RB#0	4.4904	4.987	PASS
Band66	10MHz	QPSK	132022	50RB#0	8.9993	9.750	PASS
Band66	10MHz	16QAM	132022	50RB#0	8.9638	9.765	PASS
Band66	10MHz	QPSK	132322	50RB#0	8.9876	9.842	PASS
Band66	10MHz	16QAM	132322	50RB#0	8.9666	9.772	PASS
Band66	10MHz	QPSK	132622	50RB#0	8.9800	9.774	PASS
Band66	10MHz	16QAM	132622	50RB#0	8.9678	9.707	PASS
Band66	15MHz	QPSK	132047	75RB#0	13.457	14.68	PASS
Band66	15MHz	16QAM	132047	75RB#0	13.434	14.62	PASS
Band66	15MHz	QPSK	132322	75RB#0	13.474	14.82	PASS
Band66	15MHz	16QAM	132322	75RB#0	13.458	14.63	PASS
Band66	15MHz	QPSK	132597	75RB#0	13.464	14.77	PASS
Band66	15MHz	16QAM	132597	75RB#0	13.451	14.67	PASS
Band66	20MHz	QPSK	132072	100RB#0	17.891	19.60	PASS
Band66	20MHz	16QAM	132072	100RB#0	17.919	19.37	PASS
Band66	20MHz	QPSK	132322	100RB#0	17.951	19.47	PASS
Band66	20MHz	16QAM	132322	100RB#0	17.961	19.46	PASS
Band66	20MHz	QPSK	132572	100RB#0	17.957	19.43	PASS
Band66	20MHz	16QAM	132572	100RB#0	17.936	19.47	PASS

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Test Graphs

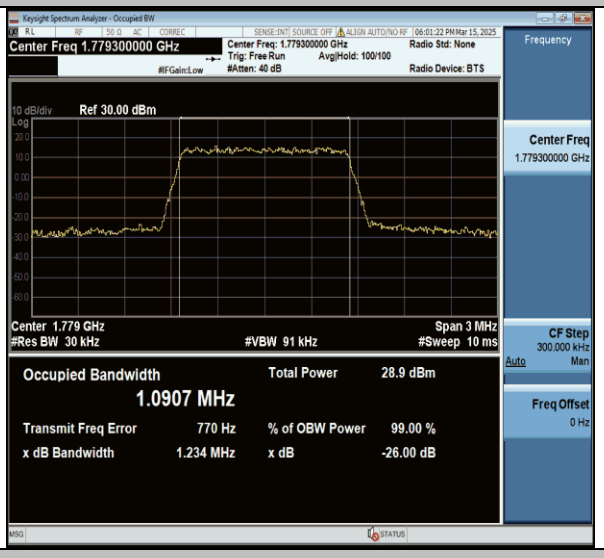
Band66-1.4MHz-QPSK-131979-6RB#0-PASS

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

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

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

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



Band66-1.4MHz-16QAM-132665-6RB#0-PASS

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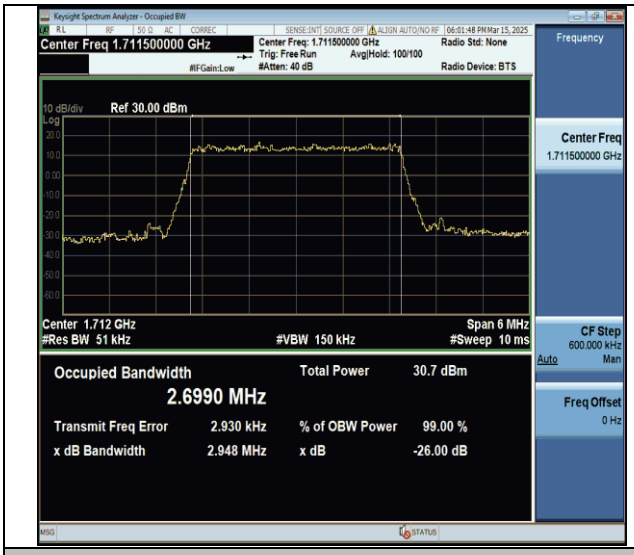

Band66-3MHz-QPSK-131987-15RB#0-PASS

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

Band66-3MHz-QPSK-132322-15RB#0-PASS

Band66-3MHz-16QAM-132322-15RB#0-PASS

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

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

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

Band66-5MHz-16QAM-131997-25RB#0-PASS

Band66-5MHz-QPSK-132322-25RB#0-PASS

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

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

Band66-5MHz-16QAM-132647-25RB#0-PASS

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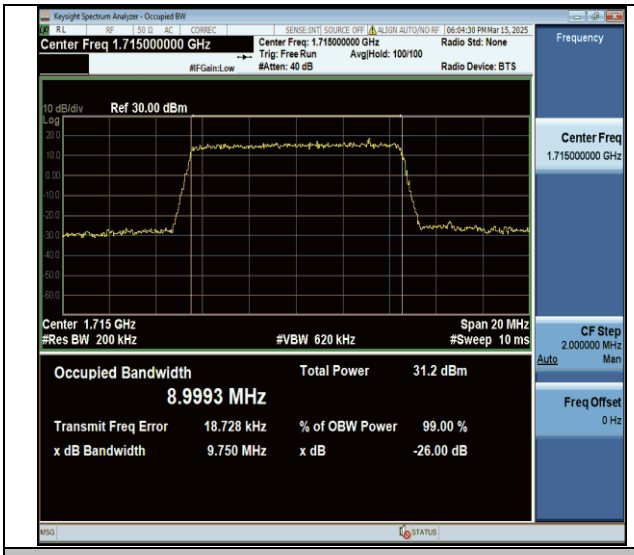
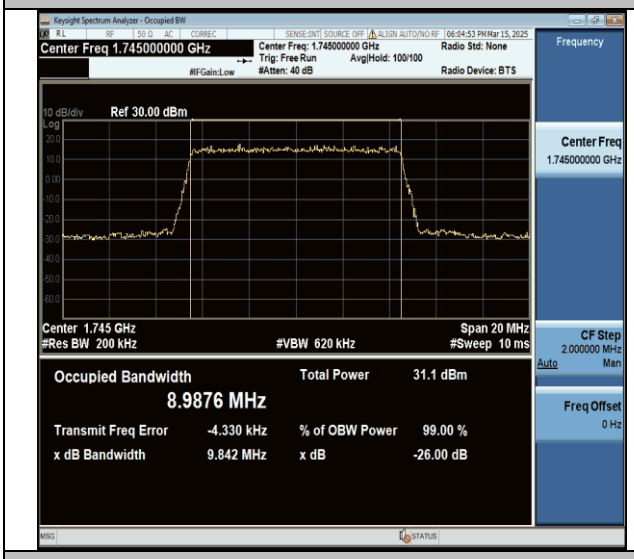


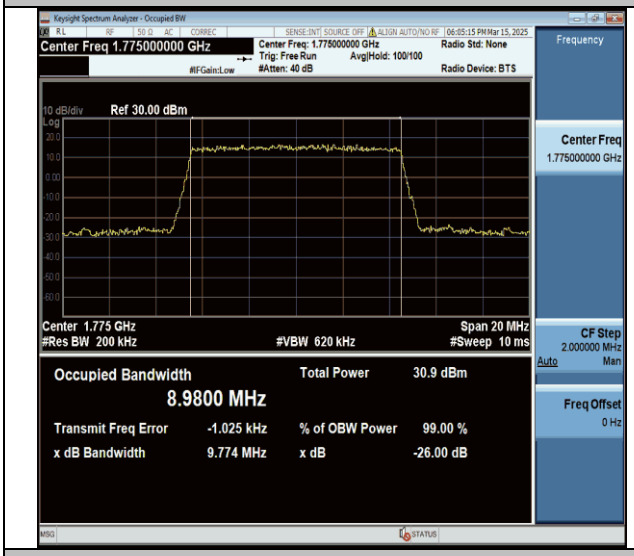
Band66-10MHz-QPSK-132022-50RB#0-PASS

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



Band66-10MHz-QPSK-132322-50RB#0-PASS

Band66-10MHz-16QAM-132322-50RB#0-PASS



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

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

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

Band66-15MHz-16QAM-132047-75RB#0-PASS

Band66-15MHz-QPSK-132322-75RB#0-PASS

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

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

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

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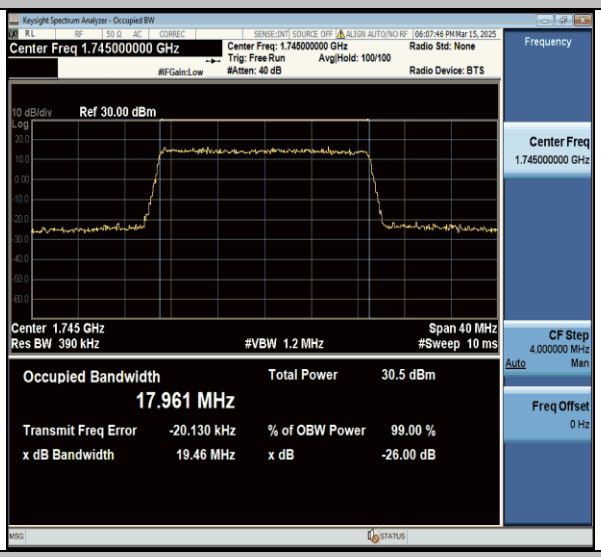
Band66-20MHz-QPSK-132072-100RB#0-PASS

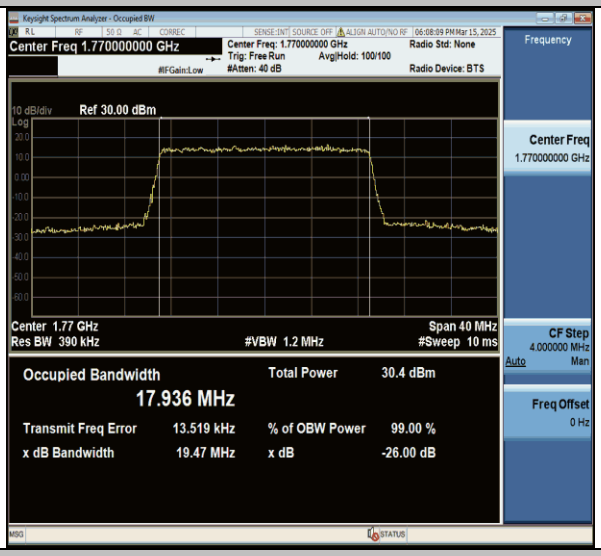
Band66-20MHz-16QAM-132072-100RB#0-PASS

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



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

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



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

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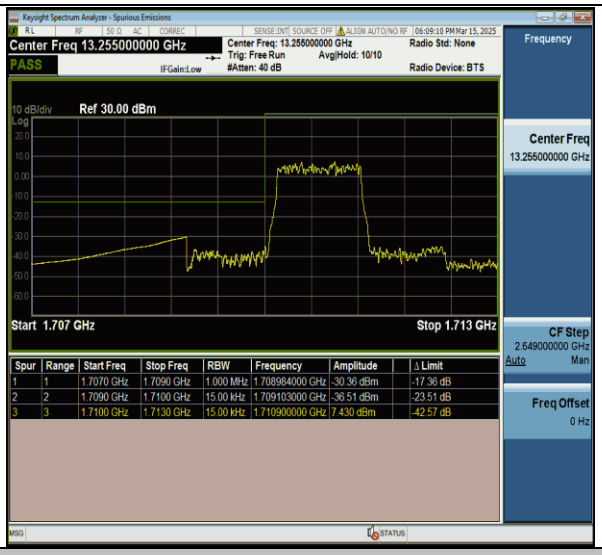
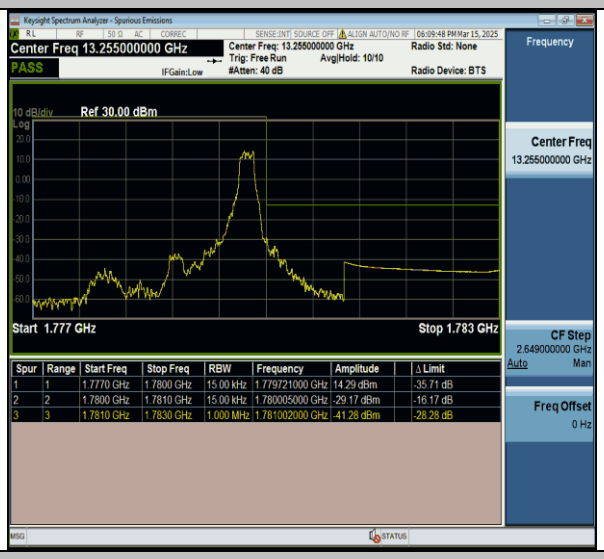
Band Edge

Test Graphs

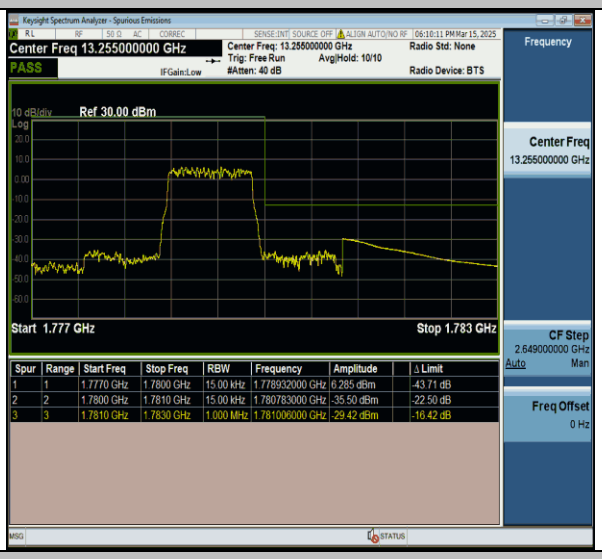
Band66-1.4MHz-QPSK-131979-1RB#0-PASS



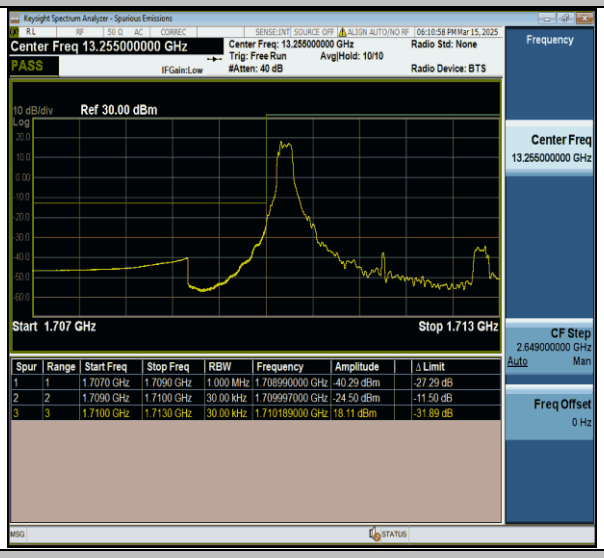
Band66-1.4MHz-QPSK-131979-6RB#0-PASS



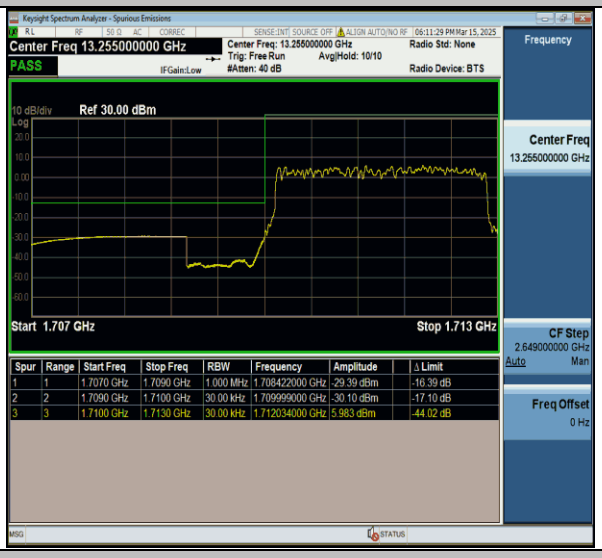
Band66-1.4MHz-QPSK-132665-1RB#5-PASS



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



Band66-3MHz-QPSK-131987-1RB#0-PASS



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

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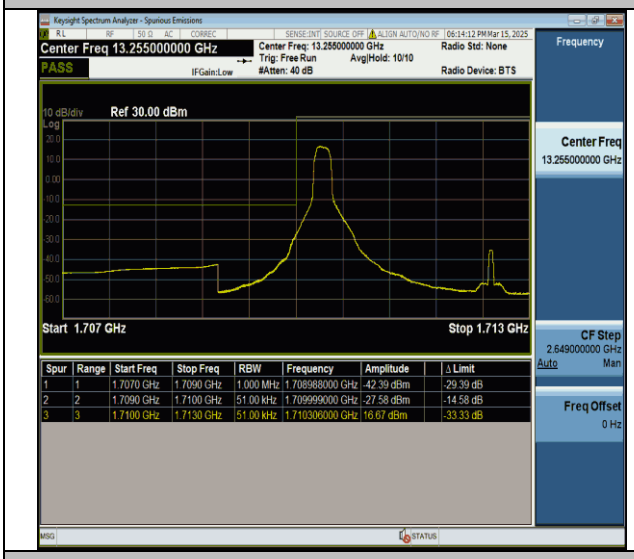
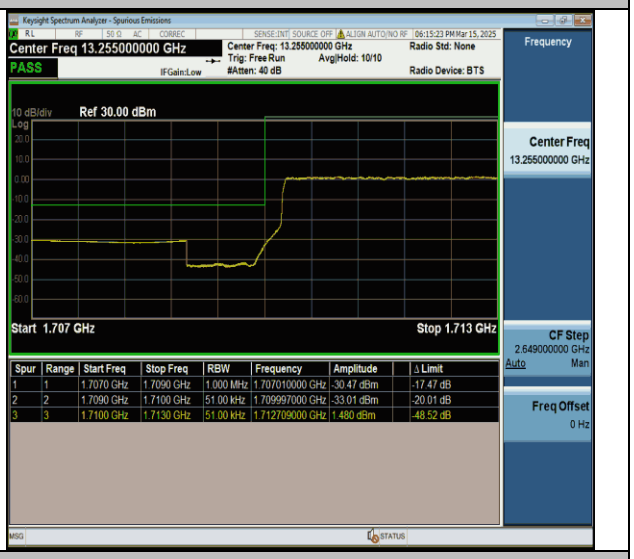
Band66-3MHz-QPSK-132657-1RB#14-PASS

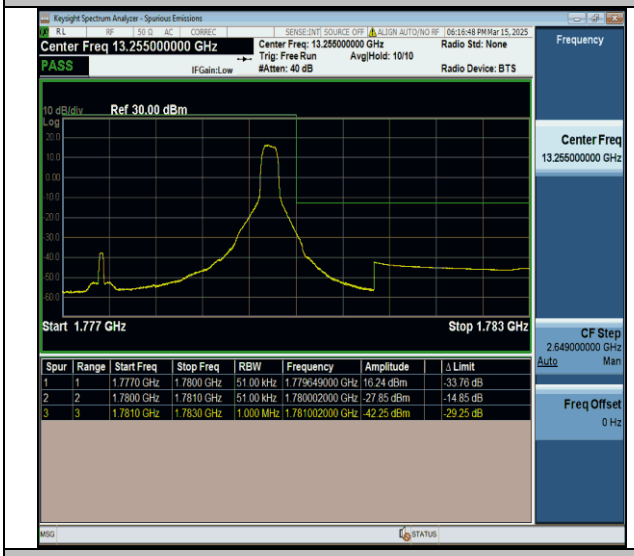
Band66-3MHz-QPSK-132657-15RB#0-PASS



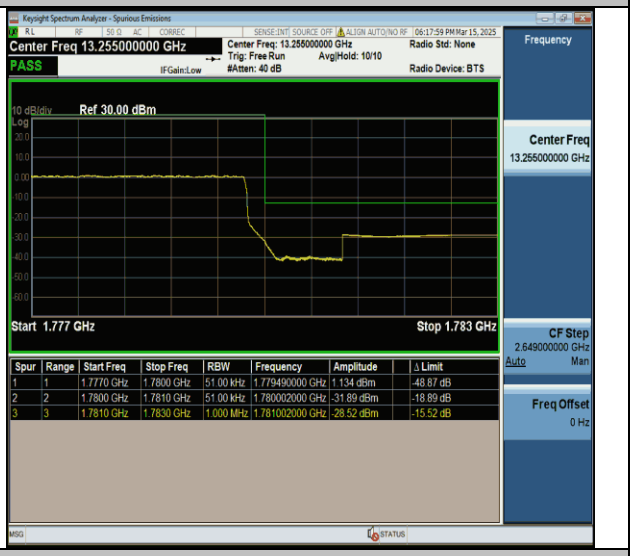
Band66-5MHz-QPSK-131997-1RB#0-PASS



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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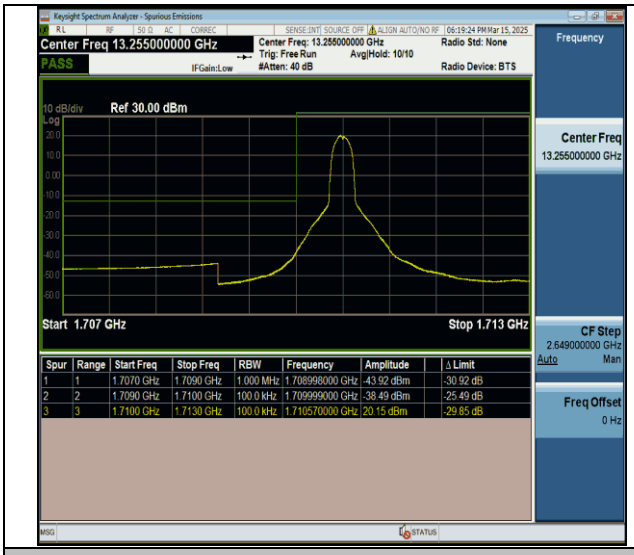
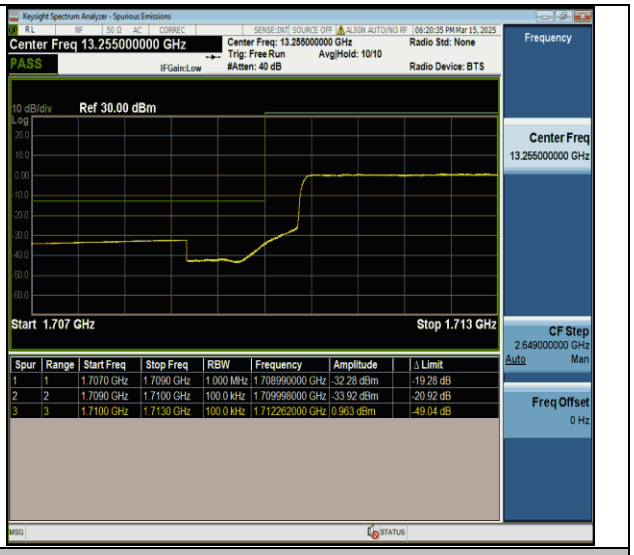
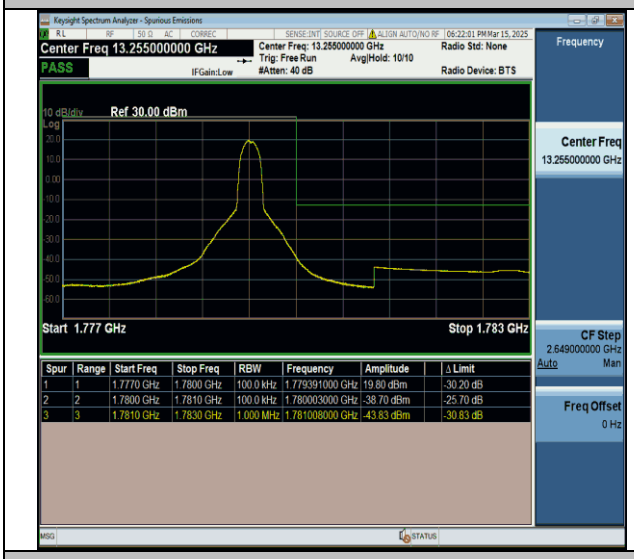


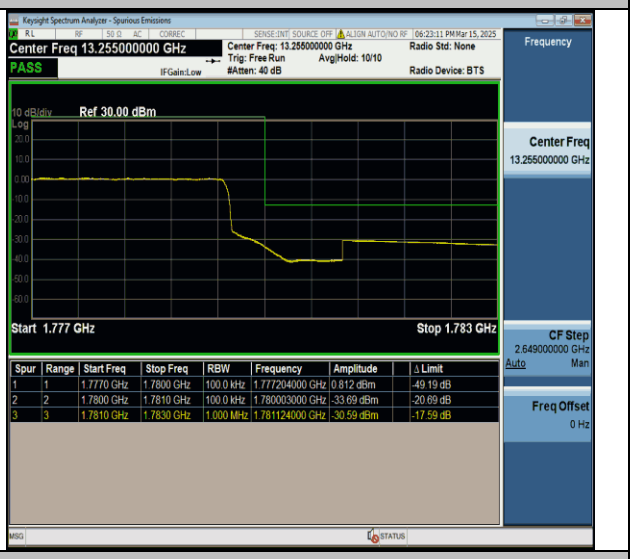
Band66-10MHz-QPSK-132022-1RB#0-PASS



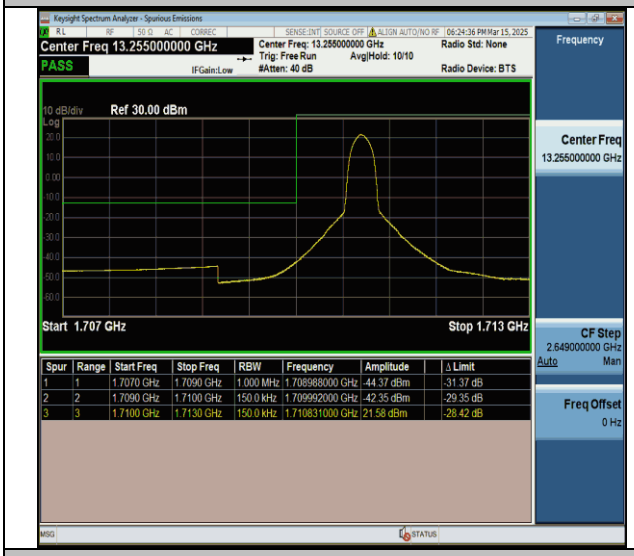
Band66-10MHz-QPSK-132022-50RB#0-PASS



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



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



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

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

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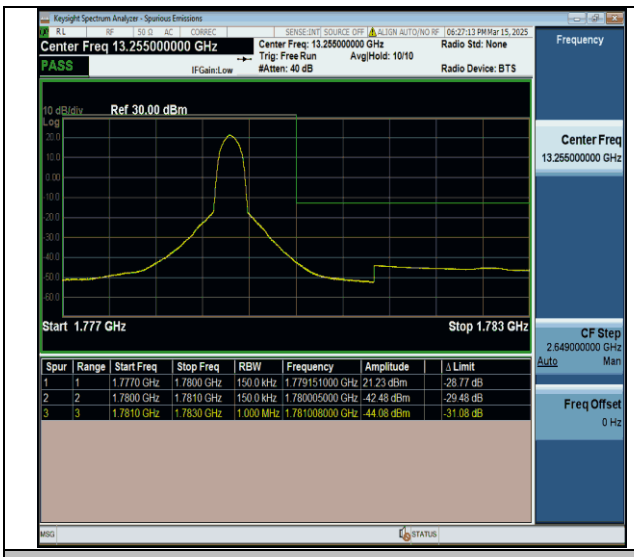
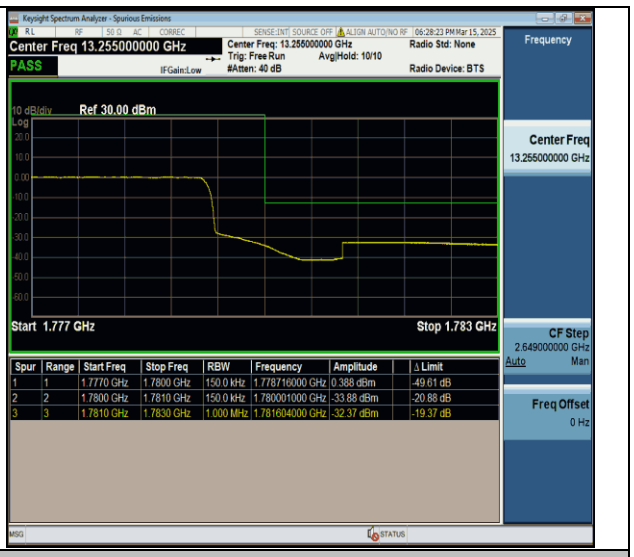
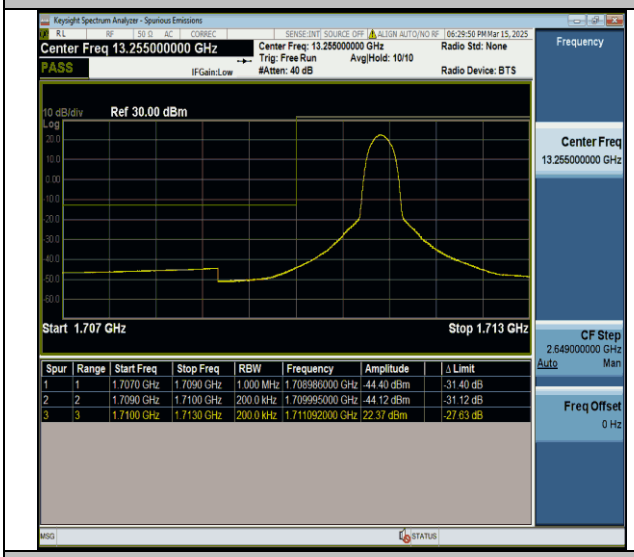


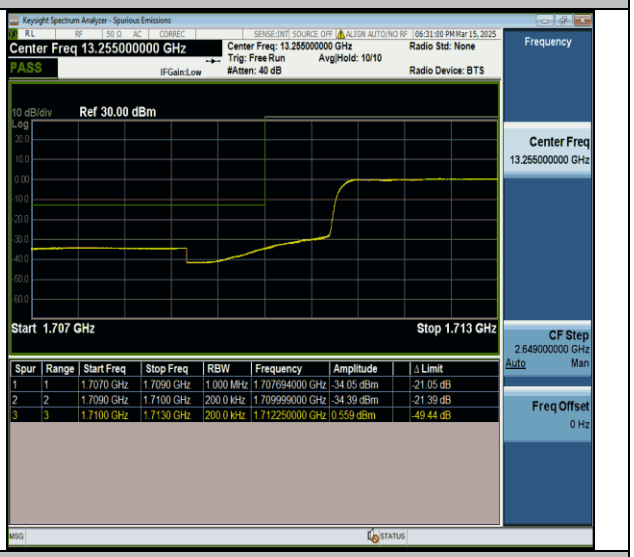
Band66-15MHz-QPSK-132597-1RB#74-PASS



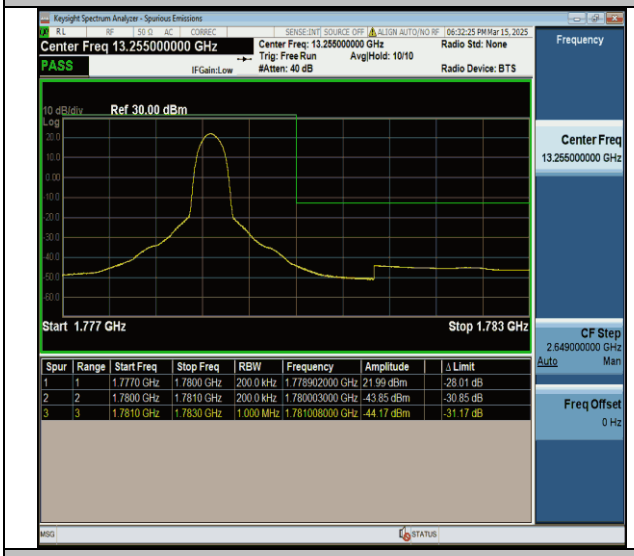
Band66-15MHz-QPSK-132597-75RB#0-PASS



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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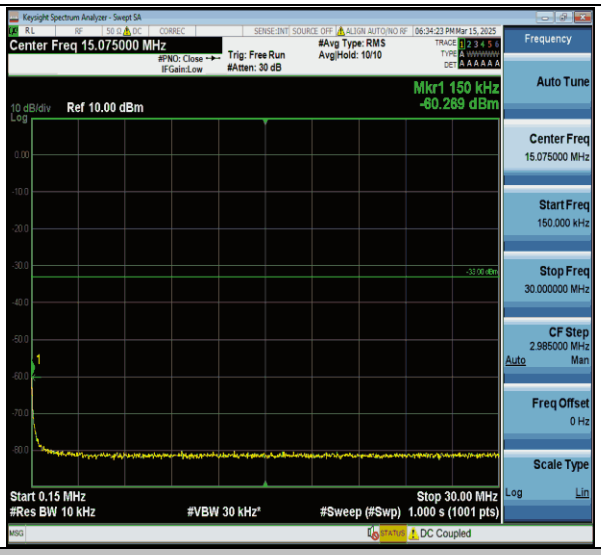
Conducted Spurious Emission

Test Graphs

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

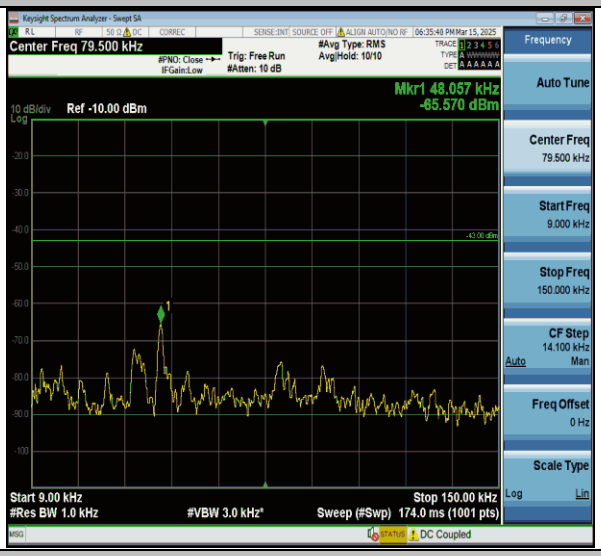


Band66-20MHz-QPSK-132072-1RB#0-0.15~30-PASS

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

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

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



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

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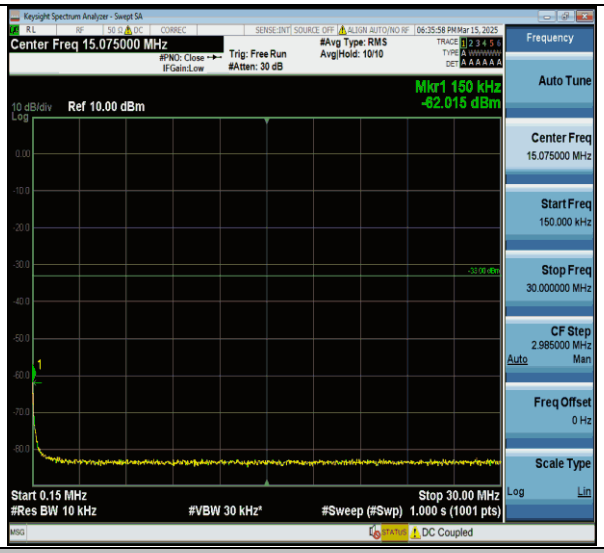


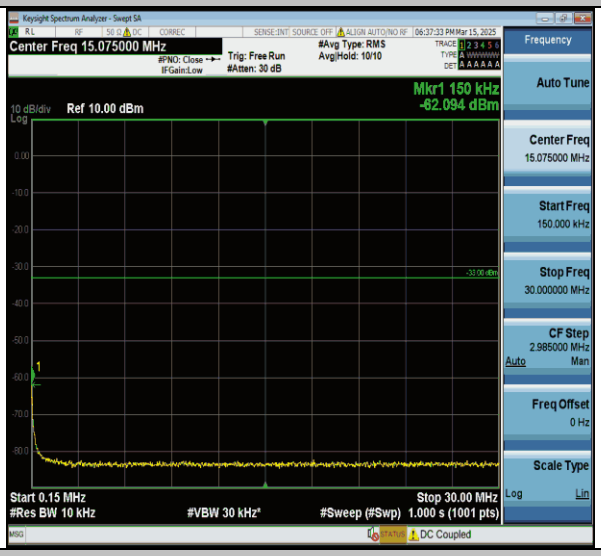
Band66-20MHz-QPSK-132322-1RB#0-0.15~30-PASS

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

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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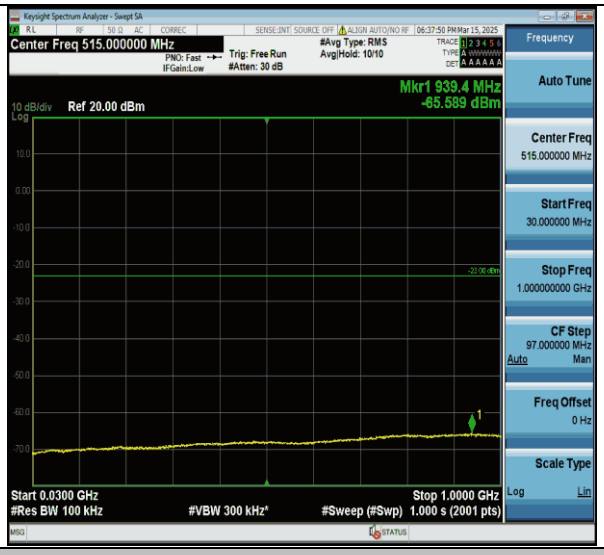
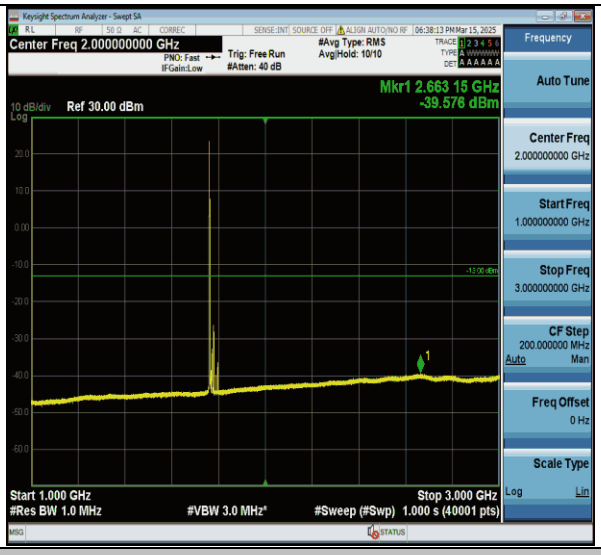


Band66-20MHz-QPSK-132572-1RB#0-30~1000-PASS



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	4.00	0.002292	PASS
Band66	20MHz	QPSK	132322	100RB#0	VL	NT	5.90	0.003381	PASS
Band66	20MHz	QPSK	132322	100RB#0	VH	NT	-7.80	-0.004470	PASS

Temperature									
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Verdict
Band66	20MHz	QPSK	132322	100RB#0	NV	-30	-8.70	-0.004986	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	-20	-6.40	-0.003668	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	-10	3.30	0.001891	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	0	4.90	0.002808	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	10	-3.90	-0.002235	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	20	2.50	0.001433	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	30	8.50	0.004871	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	40	-3.10	-0.001777	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	50	2.00	0.001146	PASS

~The End~

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