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	23.23	24.73	30	PASS
Band66	1.4MHz	QPSK	131979	1RB#2	23.24	24.74	30	PASS
Band66	1.4MHz	QPSK	131979	1RB#5	23.25	24.75	30	PASS
Band66	1.4MHz	QPSK	131979	6RB#0	22.33	23.83	30	PASS
Band66	1.4MHz	16QAM	131979	1RB#0	22.35	23.85	30	PASS
Band66	1.4MHz	16QAM	131979	1RB#2	22.61	24.11	30	PASS
Band66	1.4MHz	16QAM	131979	1RB#5	22.68	24.18	30	PASS
Band66	1.4MHz	16QAM	131979	6RB#0	21.51	23.01	30	PASS
Band66	1.4MHz	QPSK	132322	1RB#0	23.69	25.19	30	PASS
Band66	1.4MHz	QPSK	132322	1RB#2	23.74	25.24	30	PASS
Band66	1.4MHz	QPSK	132322	1RB#5	23.73	25.23	30	PASS
Band66	1.4MHz	QPSK	132322	6RB#0	22.83	24.33	30	PASS
Band66	1.4MHz	16QAM	132322	1RB#0	22.72	24.22	30	PASS
Band66	1.4MHz	16QAM	132322	1RB#2	22.61	24.11	30	PASS
Band66	1.4MHz	16QAM	132322	1RB#5	22.62	24.12	30	PASS
Band66	1.4MHz	16QAM	132322	6RB#0	21.8	23.3	30	PASS
Band66	1.4MHz	QPSK	132665	1RB#0	23.59	25.09	30	PASS
Band66	1.4MHz	QPSK	132665	1RB#2	23.57	25.07	30	PASS
Band66	1.4MHz	QPSK	132665	1RB#5	23.35	24.85	30	PASS
Band66	1.4MHz	QPSK	132665	6RB#0	22.74	24.24	30	PASS
Band66	1.4MHz	16QAM	132665	1RB#0	22.72	24.22	30	PASS
Band66	1.4MHz	16QAM	132665	1RB#2	22.79	24.29	30	PASS
Band66	1.4MHz	16QAM	132665	1RB#5	22.54	24.04	30	PASS
Band66	1.4MHz	16QAM	132665	6RB#0	21.3	22.8	30	PASS
Band66	3MHz	QPSK	131987	1RB#0	23.07	24.57	30	PASS
Band66	3MHz	QPSK	131987	1RB#8	23.21	24.71	30	PASS
Band66	3MHz	QPSK	131987	1RB#14	23.27	24.77	30	PASS
Band66	3MHz	QPSK	131987	15RB#0	22.43	23.93	30	PASS
Band66	3MHz	16QAM	131987	1RB#0	22.67	24.17	30	PASS
Band66	3MHz	16QAM	131987	1RB#8	22.86	24.36	30	PASS
Band66	3MHz	16QAM	131987	1RB#14	22.53	24.03	30	PASS
Band66	3MHz	16QAM	131987	15RB#0	21.39	22.89	30	PASS
Band66	3MHz	QPSK	132322	1RB#0	23.62	25.12	30	PASS
Band66	3MHz	QPSK	132322	1RB#8	23.74	25.24	30	PASS
Band66	3MHz	QPSK	132322	1RB#14	23.78	25.28	30	PASS
Band66	3MHz	QPSK	132322	15RB#0	22.85	24.35	30	PASS
Band66	3MHz	16QAM	132322	1RB#0	22.78	24.28	30	PASS

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Band66	3MHz	16QAM	132322	1RB#8	22.81	24.31	30	PASS
Band66	3MHz	16QAM	132322	1RB#14	22.77	24.27	30	PASS
Band66	3MHz	16QAM	132322	15RB#0	21.75	23.25	30	PASS
Band66	3MHz	QPSK	132657	1RB#0	23.57	25.07	30	PASS
Band66	3MHz	QPSK	132657	1RB#8	23.48	24.98	30	PASS
Band66	3MHz	QPSK	132657	1RB#14	23.61	25.11	30	PASS
Band66	3MHz	QPSK	132657	15RB#0	22.74	24.24	30	PASS
Band66	3MHz	16QAM	132657	1RB#0	22.55	24.05	30	PASS
Band66	3MHz	16QAM	132657	1RB#8	22.68	24.18	30	PASS
Band66	3MHz	16QAM	132657	1RB#14	22.71	24.21	30	PASS
Band66	3MHz	16QAM	132657	15RB#0	21.76	23.26	30	PASS
Band66	5MHz	QPSK	131997	1RB#0	23.23	24.73	30	PASS
Band66	5MHz	QPSK	131997	1RB#12	23.53	25.03	30	PASS
Band66	5MHz	QPSK	131997	1RB#24	23.27	24.77	30	PASS
Band66	5MHz	QPSK	131997	25RB#0	22.53	24.03	30	PASS
Band66	5MHz	16QAM	131997	1RB#0	22.49	23.99	30	PASS
Band66	5MHz	16QAM	131997	1RB#12	22.56	24.06	30	PASS
Band66	5MHz	16QAM	131997	1RB#24	22.46	23.96	30	PASS
Band66	5MHz	16QAM	131997	25RB#0	21.66	23.16	30	PASS
Band66	5MHz	QPSK	132322	1RB#0	23.63	25.13	30	PASS
Band66	5MHz	QPSK	132322	1RB#12	23.84	25.34	30	PASS
Band66	5MHz	QPSK	132322	1RB#24	23.64	25.14	30	PASS
Band66	5MHz	QPSK	132322	25RB#0	22.86	24.36	30	PASS
Band66	5MHz	16QAM	132322	1RB#0	22.65	24.15	30	PASS
Band66	5MHz	16QAM	132322	1RB#12	22.69	24.19	30	PASS
Band66	5MHz	16QAM	132322	1RB#24	22.83	24.33	30	PASS
Band66	5MHz	16QAM	132322	25RB#0	21.82	23.32	30	PASS
Band66	5MHz	QPSK	132647	1RB#0	23.59	25.09	30	PASS
Band66	5MHz	QPSK	132647	1RB#12	23.8	25.3	30	PASS
Band66	5MHz	QPSK	132647	1RB#24	23.67	25.17	30	PASS
Band66	5MHz	QPSK	132647	25RB#0	22.71	24.21	30	PASS
Band66	5MHz	16QAM	132647	1RB#0	22.39	23.89	30	PASS
Band66	5MHz	16QAM	132647	1RB#12	22.67	24.17	30	PASS
Band66	5MHz	16QAM	132647	1RB#24	22.75	24.25	30	PASS
Band66	5MHz	16QAM	132647	25RB#0	21.72	23.22	30	PASS
Band66	10MHz	QPSK	132022	1RB#0	23.43	24.93	30	PASS
Band66	10MHz	QPSK	132022	1RB#24	23.54	25.04	30	PASS
Band66	10MHz	QPSK	132022	1RB#49	23.62	25.12	30	PASS
Band66	10MHz	QPSK	132022	50RB#0	22.57	24.07	30	PASS
Band66	10MHz	16QAM	132022	1RB#0	22.49	23.99	30	PASS
Band66	10MHz	16QAM	132022	1RB#24	22.44	23.94	30	PASS
Band66	10MHz	16QAM	132022	1RB#49	22.54	24.04	30	PASS
Band66	10MHz	16QAM	132022	50RB#0	21.51	23.01	30	PASS
Band66	10MHz	QPSK	132322	1RB#0	23.85	25.35	30	PASS
Band66	10MHz	QPSK	132322	1RB#24	23.86	25.36	30	PASS

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Band66	10MHz	QPSK	132322	1RB#49	23.96	25.46	30	PASS
Band66	10MHz	QPSK	132322	50RB#0	22.93	24.43	30	PASS
Band66	10MHz	16QAM	132322	1RB#0	22.61	24.11	30	PASS
Band66	10MHz	16QAM	132322	1RB#24	22.87	24.37	30	PASS
Band66	10MHz	16QAM	132322	1RB#49	22.77	24.27	30	PASS
Band66	10MHz	16QAM	132322	50RB#0	21.93	23.43	30	PASS
Band66	10MHz	QPSK	132622	1RB#0	23.67	25.17	30	PASS
Band66	10MHz	QPSK	132622	1RB#24	23.83	25.33	30	PASS
Band66	10MHz	QPSK	132622	1RB#49	23.75	25.25	30	PASS
Band66	10MHz	QPSK	132622	50RB#0	22.85	24.35	30	PASS
Band66	10MHz	16QAM	132622	1RB#0	22.59	24.09	30	PASS
Band66	10MHz	16QAM	132622	1RB#24	22.77	24.27	30	PASS
Band66	10MHz	16QAM	132622	1RB#49	22.76	24.26	30	PASS
Band66	10MHz	16QAM	132622	50RB#0	21.75	23.25	30	PASS
Band66	15MHz	QPSK	132047	1RB#0	23.35	24.85	30	PASS
Band66	15MHz	QPSK	132047	1RB#38	23.46	24.96	30	PASS
Band66	15MHz	QPSK	132047	1RB#74	23.53	25.03	30	PASS
Band66	15MHz	QPSK	132047	75RB#0	22.56	24.06	30	PASS
Band66	15MHz	16QAM	132047	1RB#0	22.4	23.9	30	PASS
Band66	15MHz	16QAM	132047	1RB#38	22.48	23.98	30	PASS
Band66	15MHz	16QAM	132047	1RB#74	22.56	24.06	30	PASS
Band66	15MHz	16QAM	132047	75RB#0	21.62	23.12	30	PASS
Band66	15MHz	QPSK	132322	1RB#0	23.85	25.35	30	PASS
Band66	15MHz	QPSK	132322	1RB#38	23.96	25.46	30	PASS
Band66	15MHz	QPSK	132322	1RB#74	23.72	25.22	30	PASS
Band66	15MHz	QPSK	132322	75RB#0	22.95	24.45	30	PASS
Band66	15MHz	16QAM	132322	1RB#0	22.82	24.32	30	PASS
Band66	15MHz	16QAM	132322	1RB#38	22.5	24	30	PASS
Band66	15MHz	16QAM	132322	1RB#74	22.86	24.36	30	PASS
Band66	15MHz	16QAM	132322	75RB#0	21.82	23.32	30	PASS
Band66	15MHz	QPSK	132597	1RB#0	23.78	25.28	30	PASS
Band66	15MHz	QPSK	132597	1RB#38	23.55	25.05	30	PASS
Band66	15MHz	QPSK	132597	1RB#74	23.56	25.06	30	PASS
Band66	15MHz	QPSK	132597	75RB#0	22.8	24.3	30	PASS
Band66	15MHz	16QAM	132597	1RB#0	22.69	24.19	30	PASS
Band66	15MHz	16QAM	132597	1RB#38	22.67	24.17	30	PASS
Band66	15MHz	16QAM	132597	1RB#74	22.71	24.21	30	PASS
Band66	15MHz	16QAM	132597	75RB#0	21.79	23.29	30	PASS
Band66	20MHz	QPSK	132072	1RB#0	23.24	24.74	30	PASS
Band66	20MHz	QPSK	132072	1RB#49	23.76	25.26	30	PASS
Band66	20MHz	QPSK	132072	1RB#99	23.49	24.99	30	PASS
Band66	20MHz	QPSK	132072	100RB#0	22.61	24.11	30	PASS
Band66	20MHz	16QAM	132072	1RB#0	22.44	23.94	30	PASS
Band66	20MHz	16QAM	132072	1RB#49	22.52	24.02	30	PASS
Band66	20MHz	16QAM	132072	1RB#99	22.64	24.14	30	PASS

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Band66	20MHz	16QAM	132072	100RB#0	21.65	23.15	30	PASS
Band66	20MHz	QPSK	132322	1RB#0	23.79	25.29	30	PASS
Band66	20MHz	QPSK	132322	1RB#49	23.88	25.38	30	PASS
Band66	20MHz	QPSK	132322	1RB#99	23.67	25.17	30	PASS
Band66	20MHz	QPSK	132322	100RB#0	22.93	24.43	30	PASS
Band66	20MHz	16QAM	132322	1RB#0	22.87	24.37	30	PASS
Band66	20MHz	16QAM	132322	1RB#49	22.71	24.21	30	PASS
Band66	20MHz	16QAM	132322	1RB#99	22.72	24.22	30	PASS
Band66	20MHz	16QAM	132322	100RB#0	21.9	23.4	30	PASS
Band66	20MHz	QPSK	132572	1RB#0	23.64	25.14	30	PASS
Band66	20MHz	QPSK	132572	1RB#49	23.97	25.47	30	PASS
Band66	20MHz	QPSK	132572	1RB#99	23.7	25.2	30	PASS
Band66	20MHz	QPSK	132572	100RB#0	22.84	24.34	30	PASS
Band66	20MHz	16QAM	132572	1RB#0	22.55	24.05	30	PASS
Band66	20MHz	16QAM	132572	1RB#49	22.61	24.11	30	PASS
Band66	20MHz	16QAM	132572	1RB#99	22.69	24.19	30	PASS
Band66	20MHz	16QAM	132572	100RB#0	21.83	23.33	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	5.71	13	PASS
Band66	20MHz	16QAM	132072	100RB#0	6.50	13	PASS
Band66	20MHz	QPSK	132322	100RB#0	5.31	13	PASS
Band66	20MHz	16QAM	132322	100RB#0	6.14	13	PASS
Band66	20MHz	QPSK	132572	100RB#0	5.53	13	PASS
Band66	20MHz	16QAM	132572	100RB#0	6.38	13	PASS

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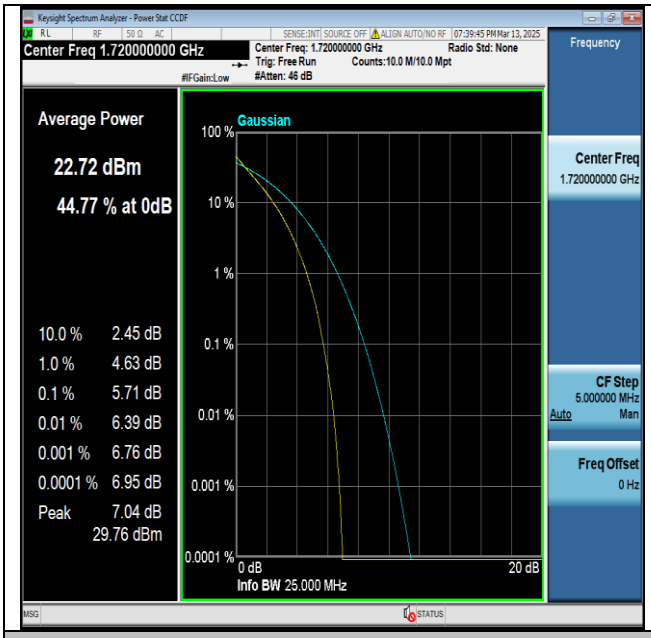
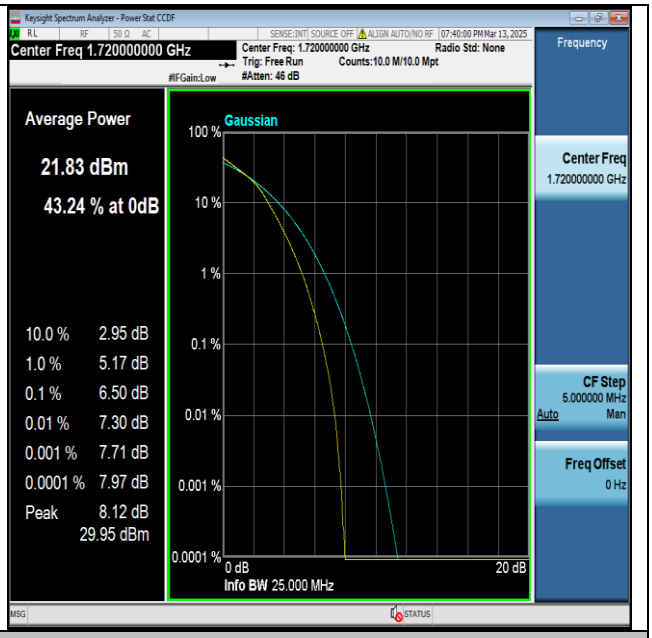
Test Graphs



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



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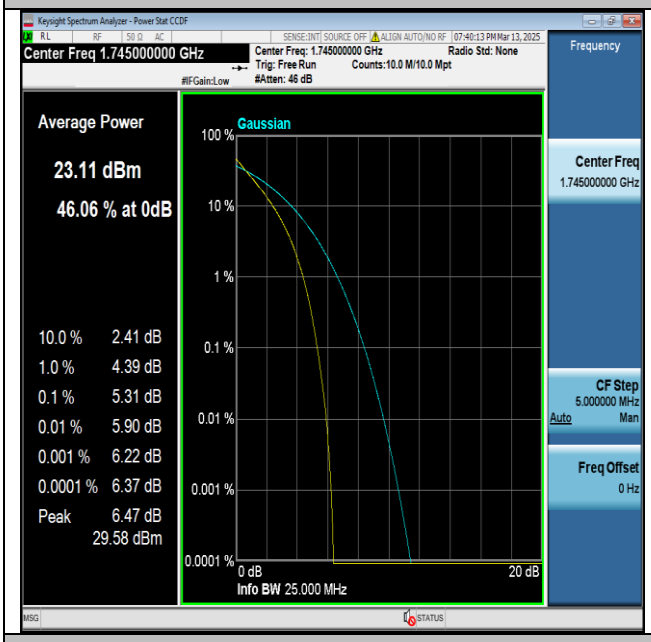
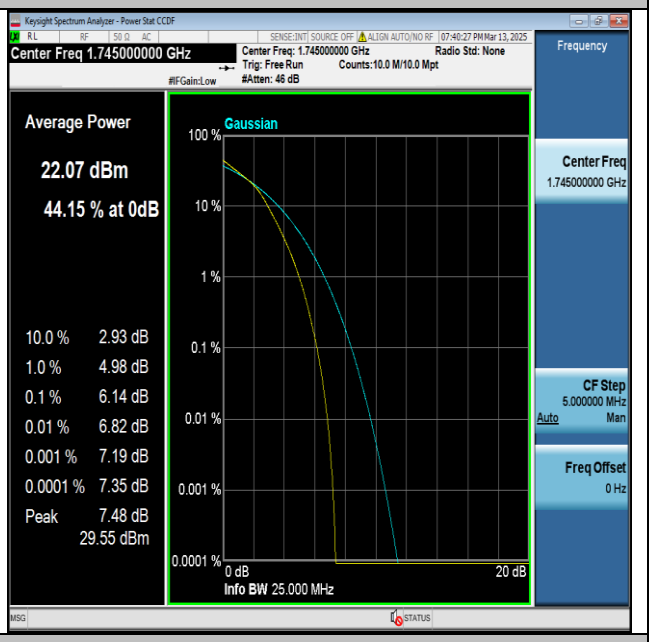


Band66-20MHz-QPSK-132322-100RB#0-PASS



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

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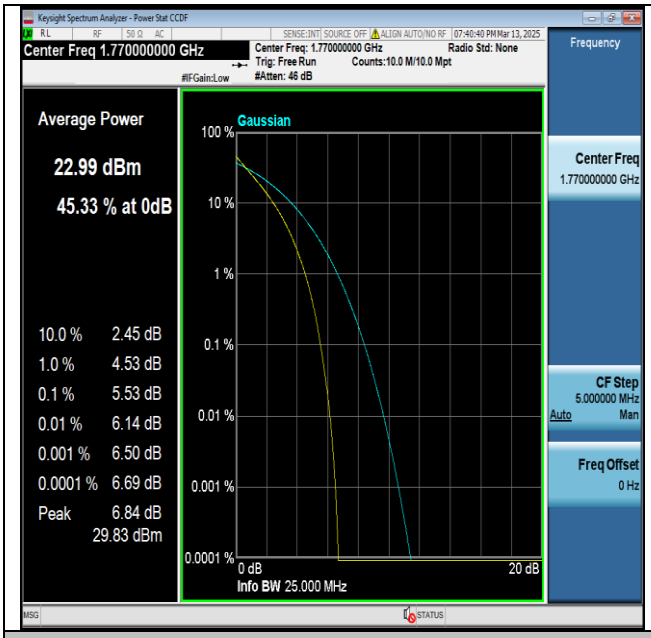
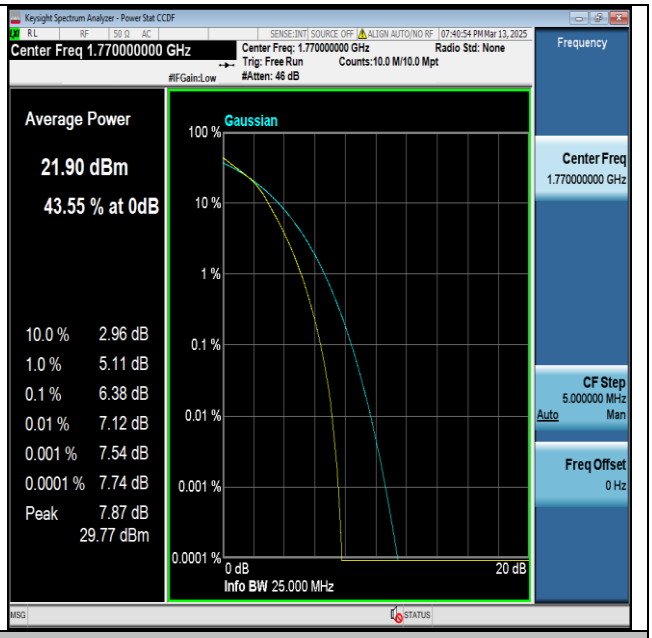


Band66-20MHz-QPSK-132572-100RB#0-PASS



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	1.0903	1.252	PASS
Band66	1.4MHz	16QAM	131979	6RB#0	1.0982	1.281	PASS
Band66	1.4MHz	QPSK	132322	6RB#0	1.0906	1.274	PASS
Band66	1.4MHz	16QAM	132322	6RB#0	1.0988	1.276	PASS
Band66	1.4MHz	QPSK	132665	6RB#0	1.0913	1.279	PASS
Band66	1.4MHz	16QAM	132665	6RB#0	1.0967	1.284	PASS
Band66	3MHz	QPSK	131987	15RB#0	2.7023	2.948	PASS
Band66	3MHz	16QAM	131987	15RB#0	2.6874	2.951	PASS
Band66	3MHz	QPSK	132322	15RB#0	2.6944	2.982	PASS
Band66	3MHz	16QAM	132322	15RB#0	2.6908	2.949	PASS
Band66	3MHz	QPSK	132657	15RB#0	2.7016	2.977	PASS
Band66	3MHz	16QAM	132657	15RB#0	2.6895	2.966	PASS
Band66	5MHz	QPSK	131997	25RB#0	4.4863	4.972	PASS
Band66	5MHz	16QAM	131997	25RB#0	4.4857	4.955	PASS
Band66	5MHz	QPSK	132322	25RB#0	4.4867	4.935	PASS
Band66	5MHz	16QAM	132322	25RB#0	4.4803	4.943	PASS
Band66	5MHz	QPSK	132647	25RB#0	4.4845	4.940	PASS
Band66	5MHz	16QAM	132647	25RB#0	4.4808	4.946	PASS
Band66	10MHz	QPSK	132022	50RB#0	8.9616	9.840	PASS
Band66	10MHz	16QAM	132022	50RB#0	8.9554	9.799	PASS
Band66	10MHz	QPSK	132322	50RB#0	8.9615	9.778	PASS
Band66	10MHz	16QAM	132322	50RB#0	8.9472	9.840	PASS
Band66	10MHz	QPSK	132622	50RB#0	8.9732	9.806	PASS
Band66	10MHz	16QAM	132622	50RB#0	8.9402	9.767	PASS
Band66	15MHz	QPSK	132047	75RB#0	13.453	14.64	PASS
Band66	15MHz	16QAM	132047	75RB#0	13.426	14.68	PASS
Band66	15MHz	QPSK	132322	75RB#0	13.430	14.67	PASS
Band66	15MHz	16QAM	132322	75RB#0	13.418	14.60	PASS
Band66	15MHz	QPSK	132597	75RB#0	13.446	14.71	PASS
Band66	15MHz	16QAM	132597	75RB#0	13.397	14.62	PASS
Band66	20MHz	QPSK	132072	100RB#0	17.961	19.42	PASS
Band66	20MHz	16QAM	132072	100RB#0	17.930	19.41	PASS
Band66	20MHz	QPSK	132322	100RB#0	17.922	19.33	PASS
Band66	20MHz	16QAM	132322	100RB#0	17.899	19.42	PASS
Band66	20MHz	QPSK	132572	100RB#0	17.914	19.43	PASS
Band66	20MHz	16QAM	132572	100RB#0	17.914	19.39	PASS

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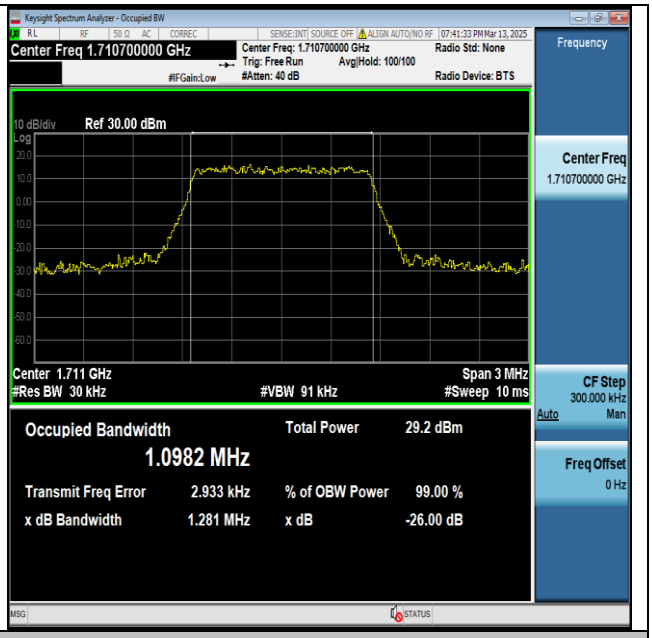
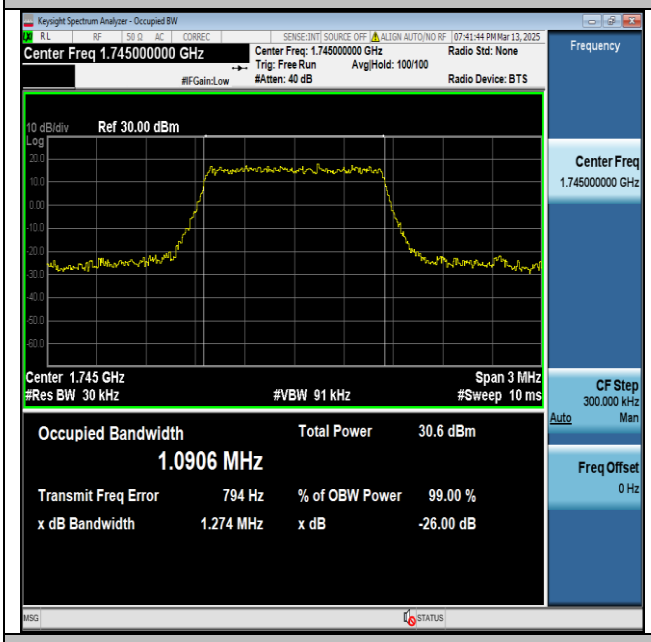
Test Graphs

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



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



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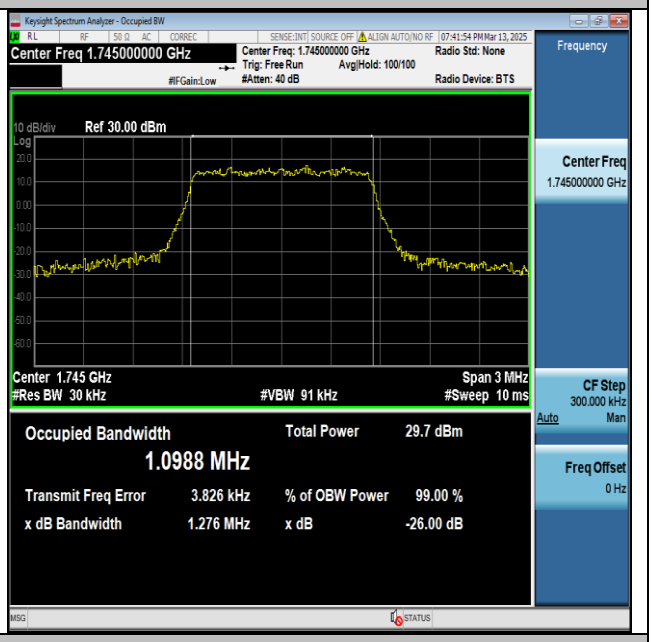

Band66-1.4MHz-16QAM-132322-6RB#0-PASS

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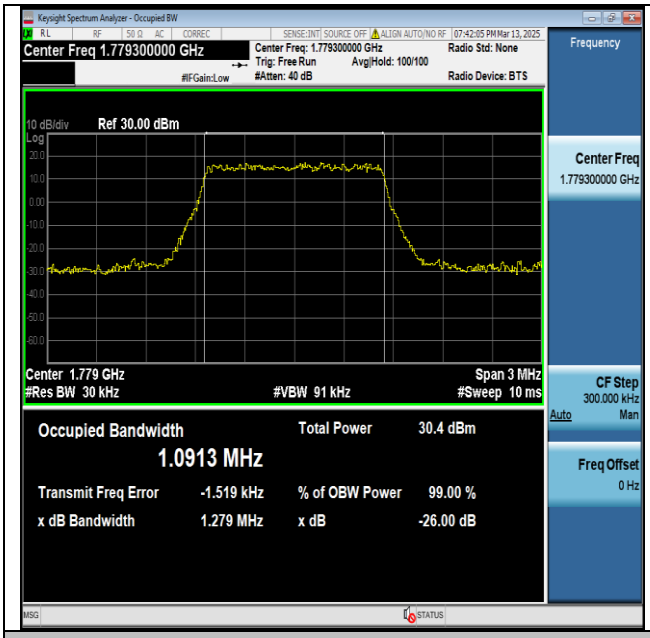
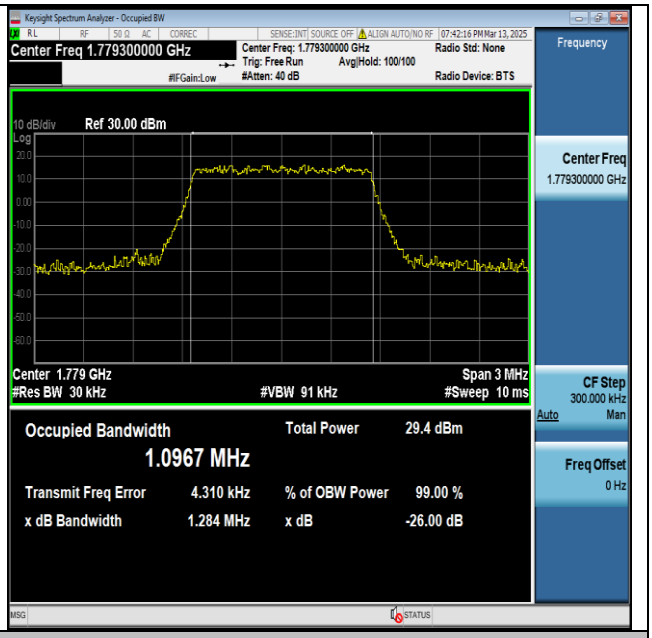
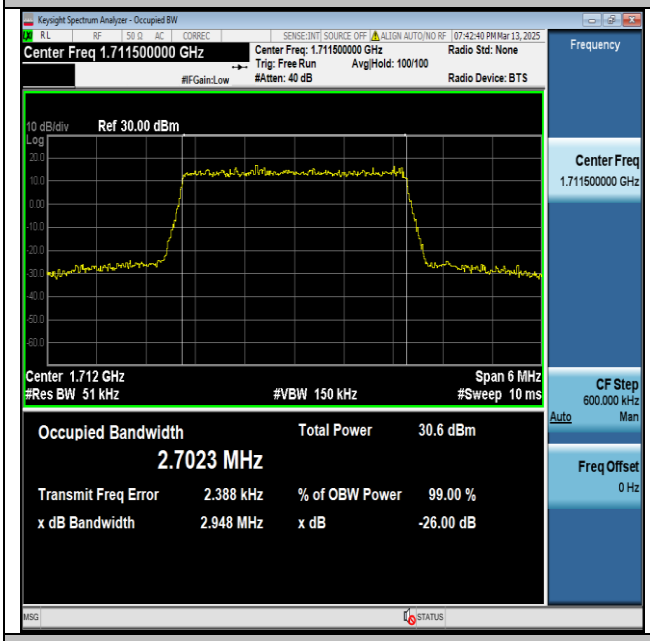


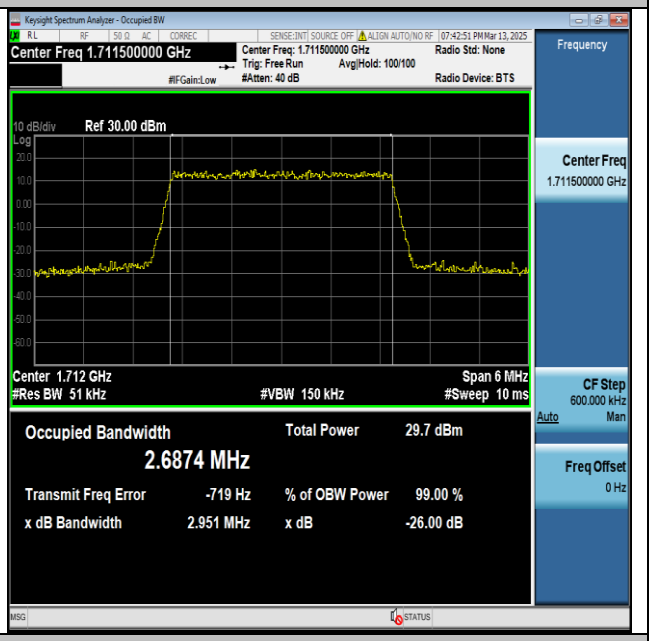
Band66-1.4MHz-QPSK-132665-6RB#0-PASS



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



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



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

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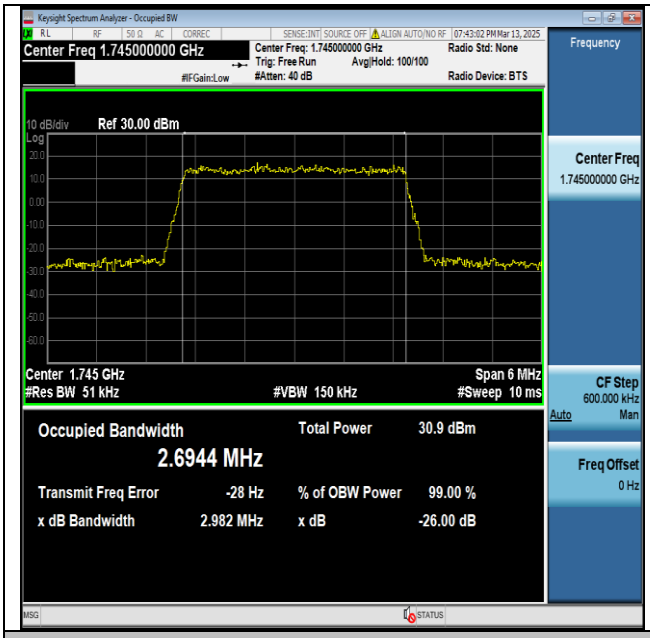

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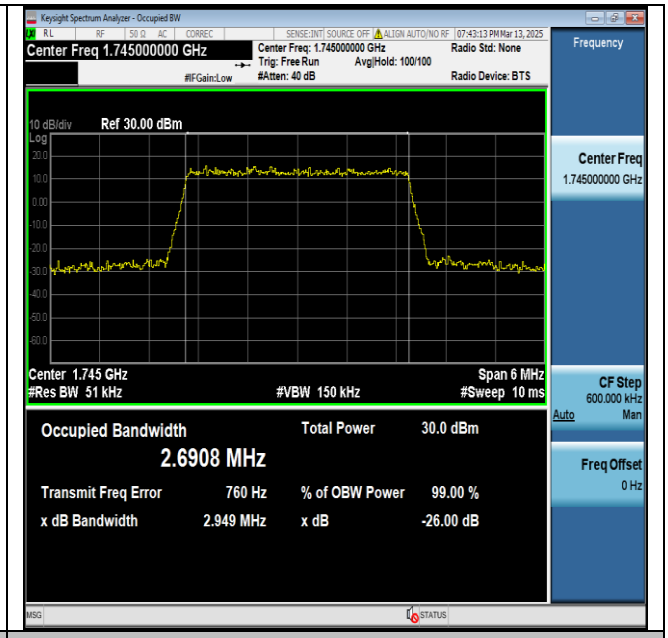

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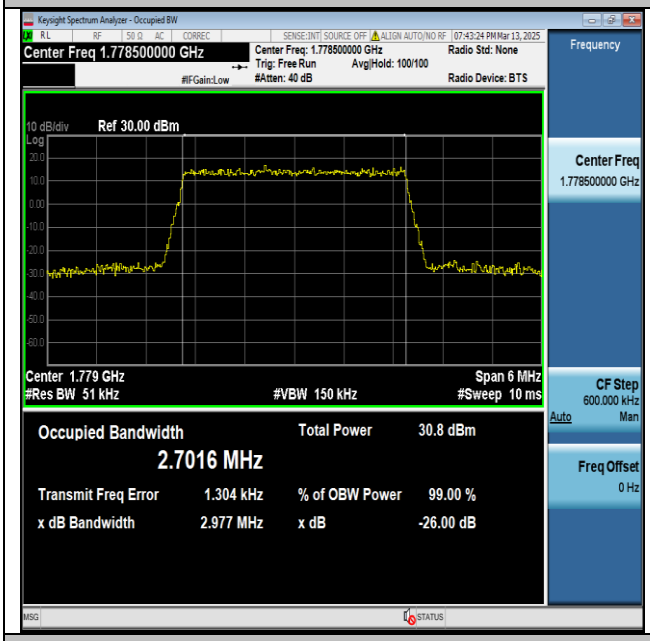

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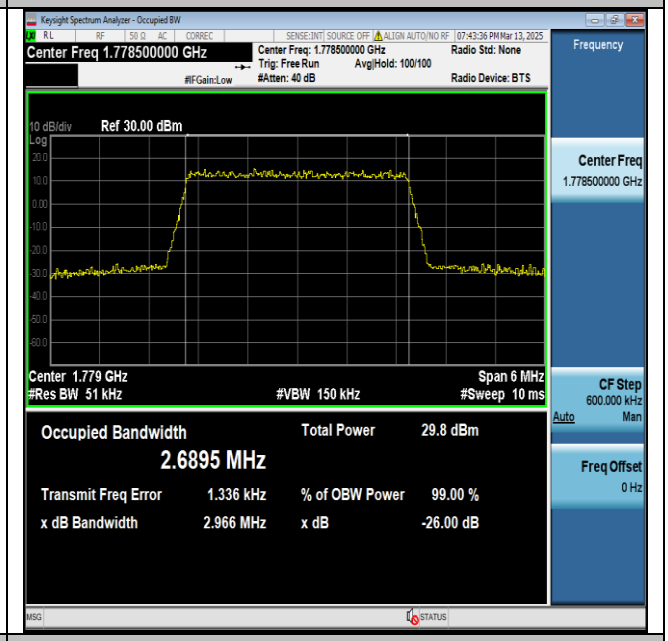

Band66-3MHz-16QAM-132657-15RB#0-PASS

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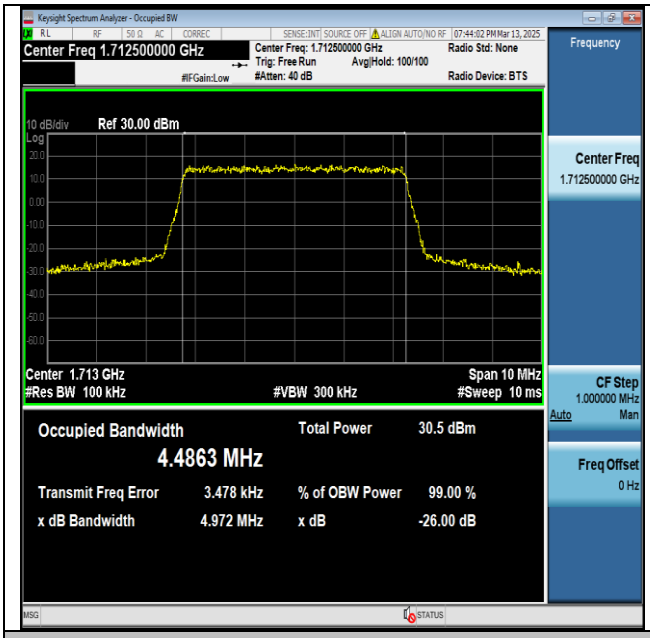
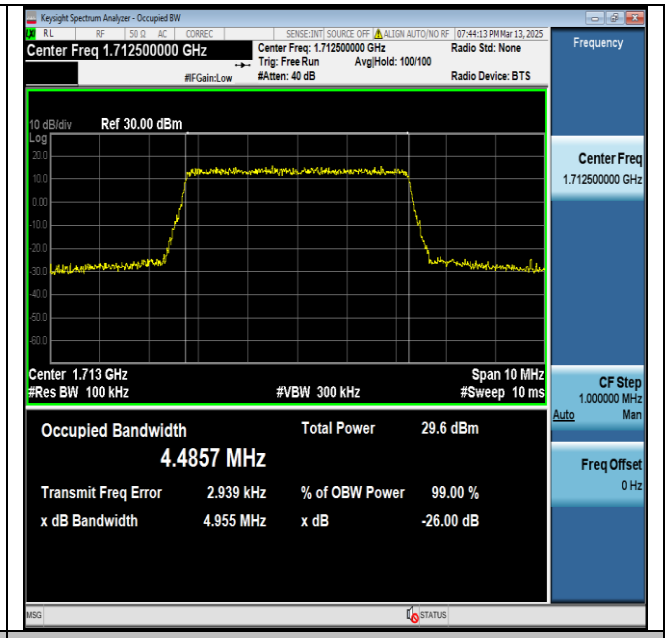


Band66-5MHz-QPSK-131997-25RB#0-PASS



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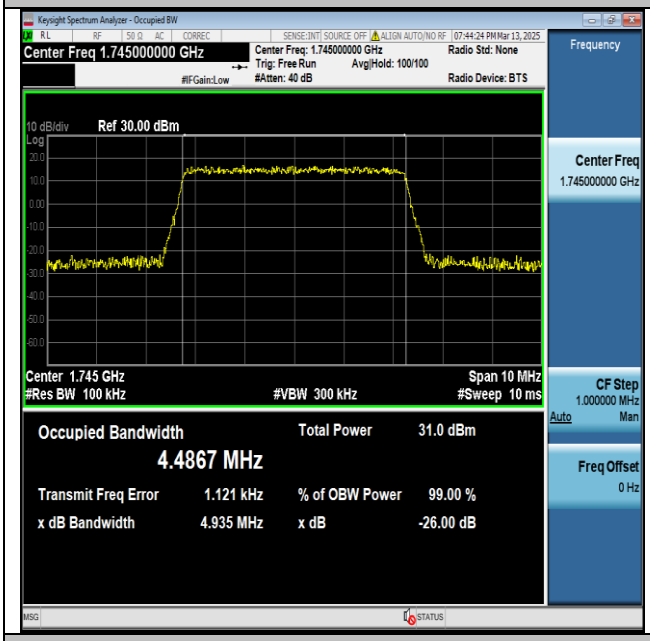

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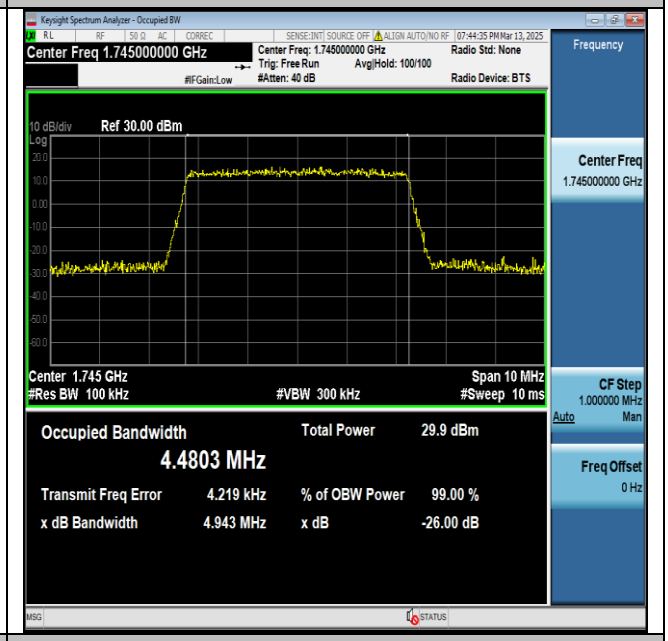

Band66-5MHz-16QAM-132322-25RB#0-PASS

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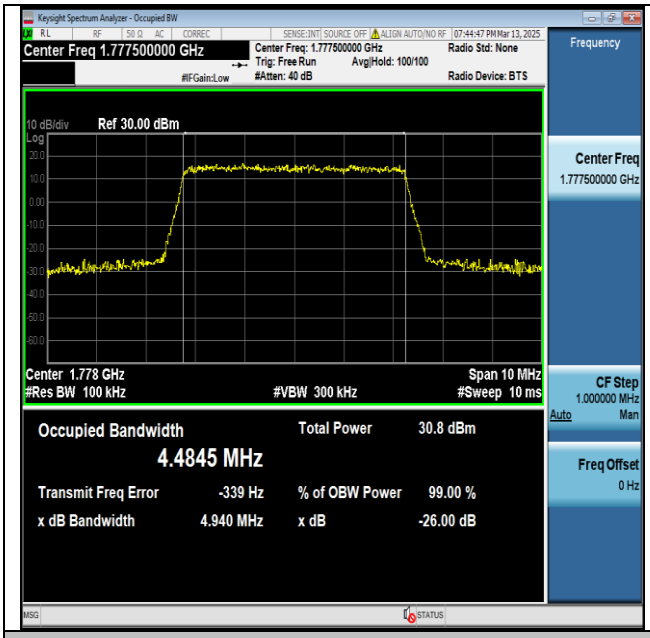

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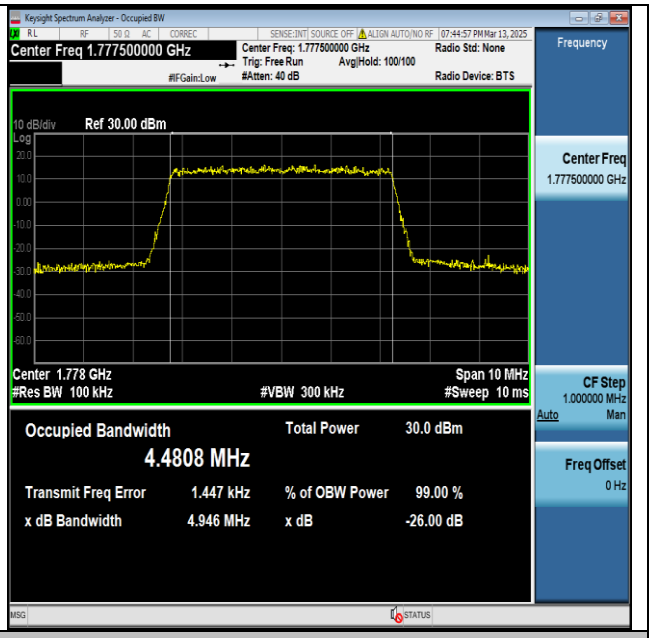

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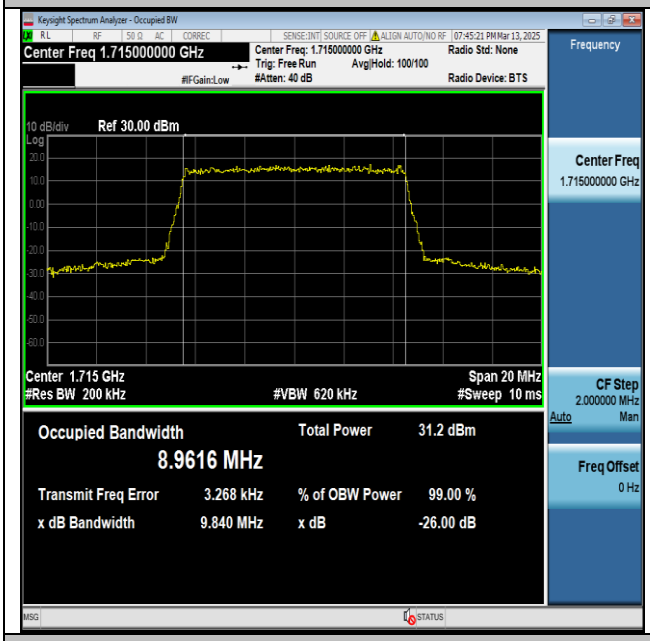

Band66-10MHz-QPSK-132022-50RB#0-PASS

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

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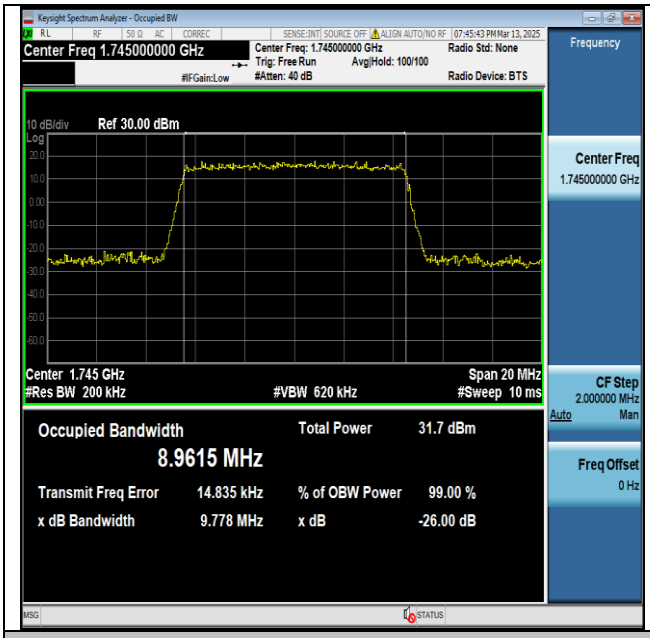

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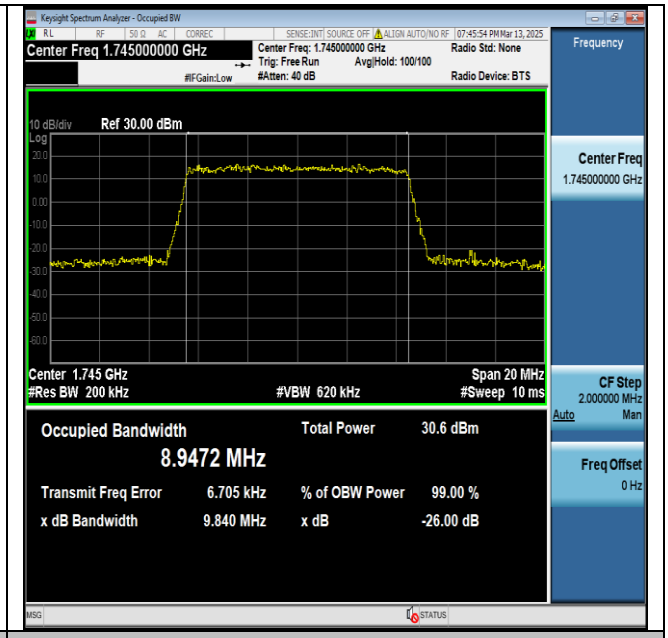

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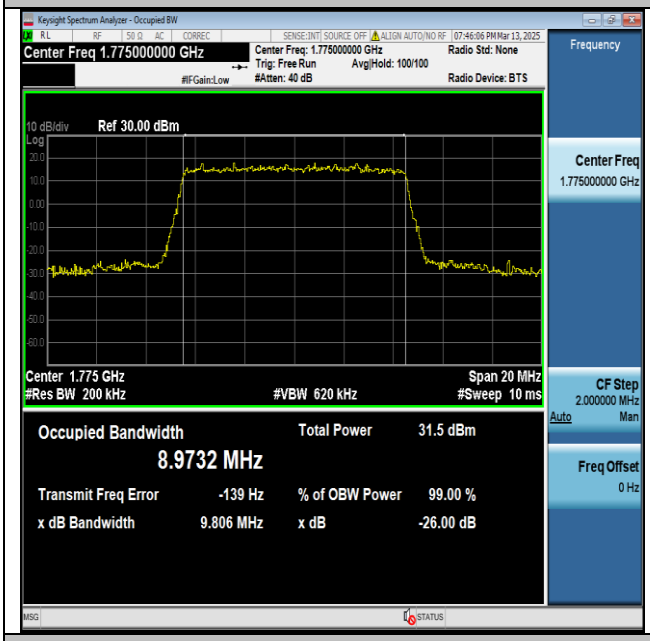

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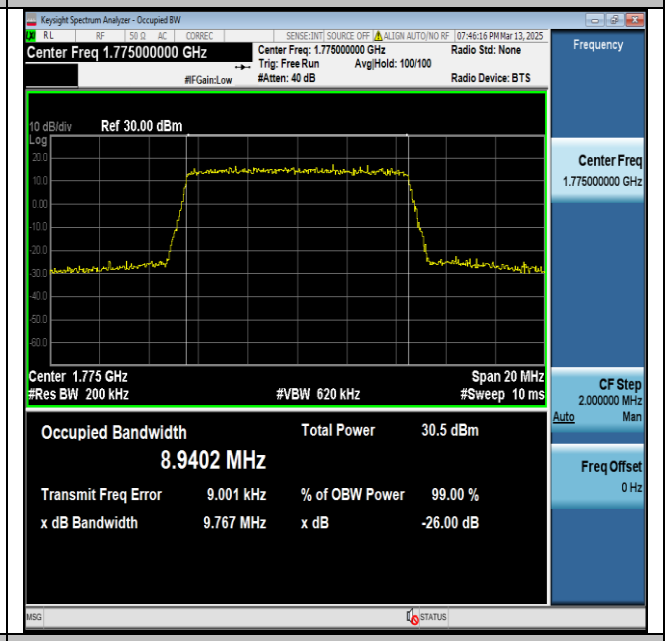

Band66-10MHz-16QAM-132622-50RB#0-PASS

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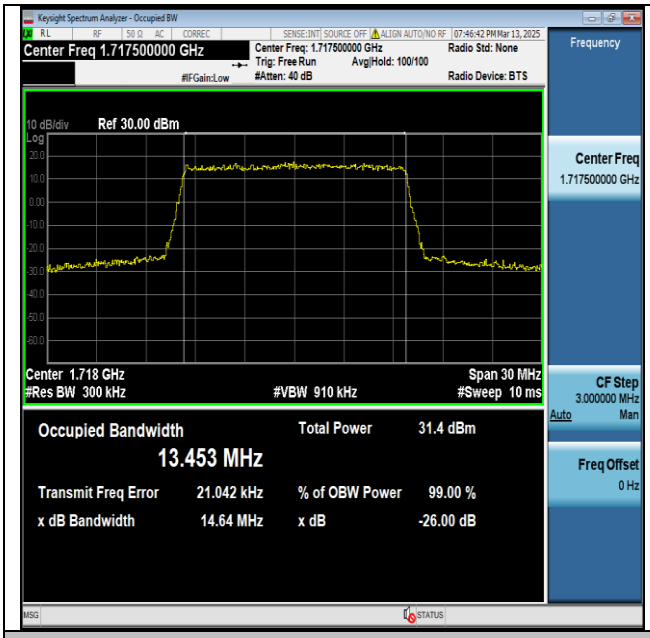
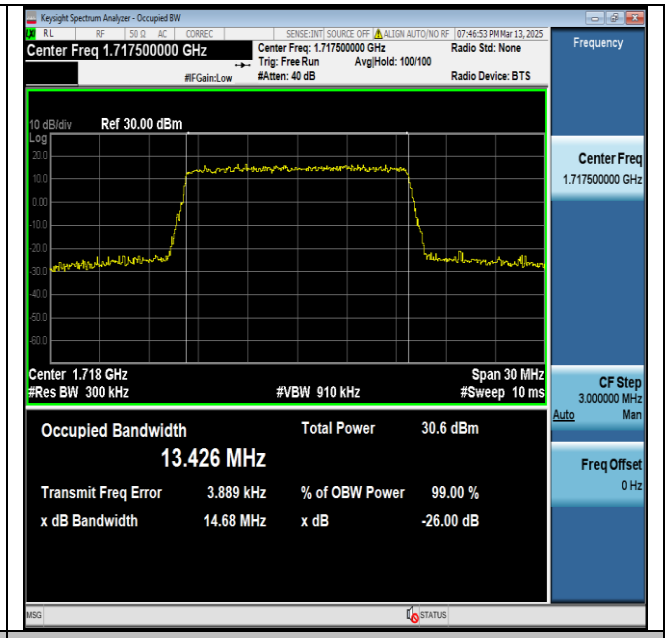


Band66-15MHz-QPSK-132047-75RB#0-PASS



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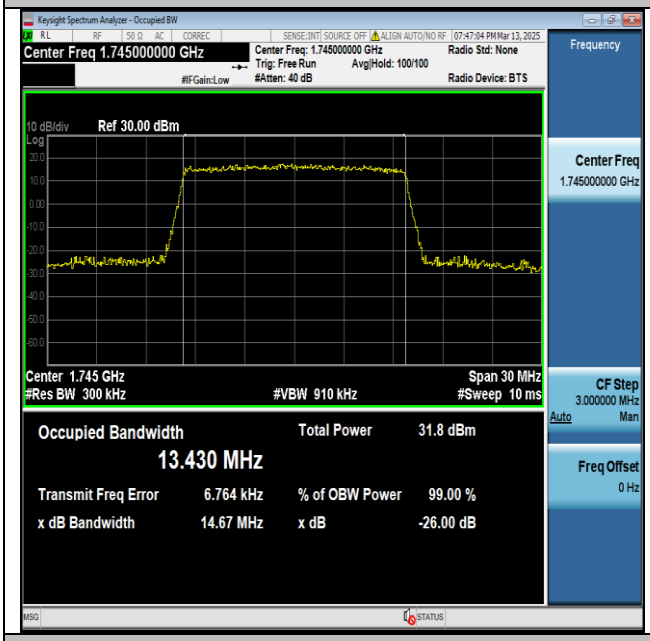

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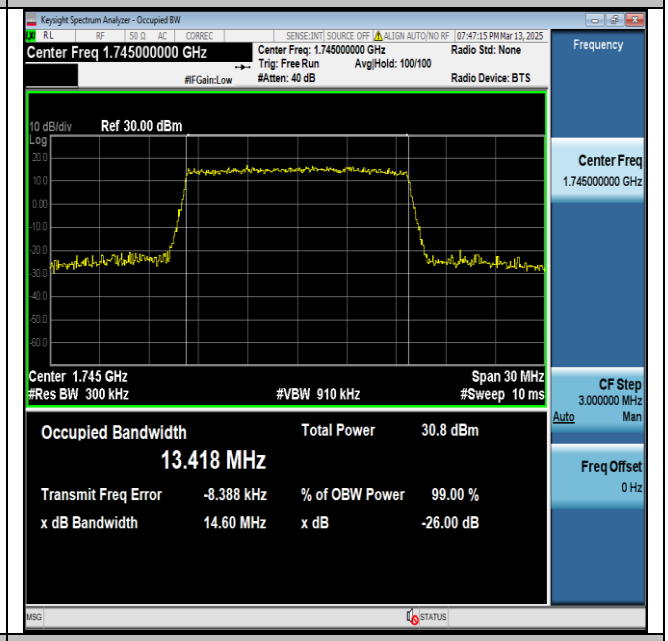

Band66-15MHz-16QAM-132322-75RB#0-PASS

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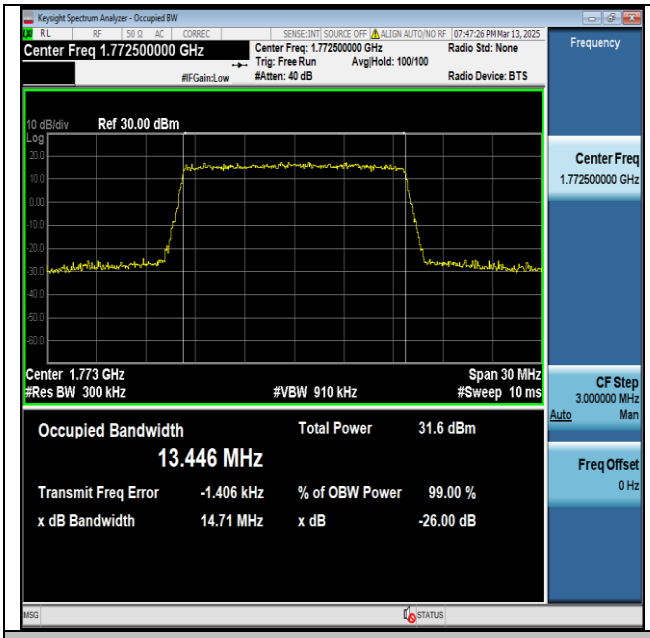

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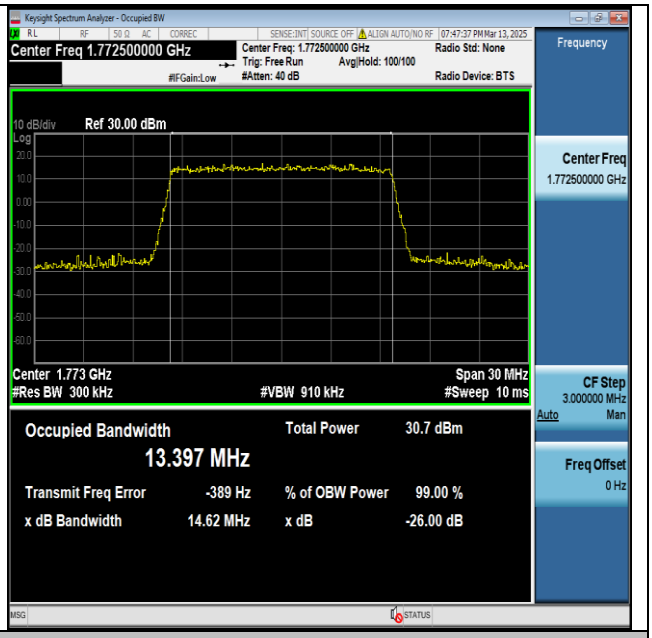

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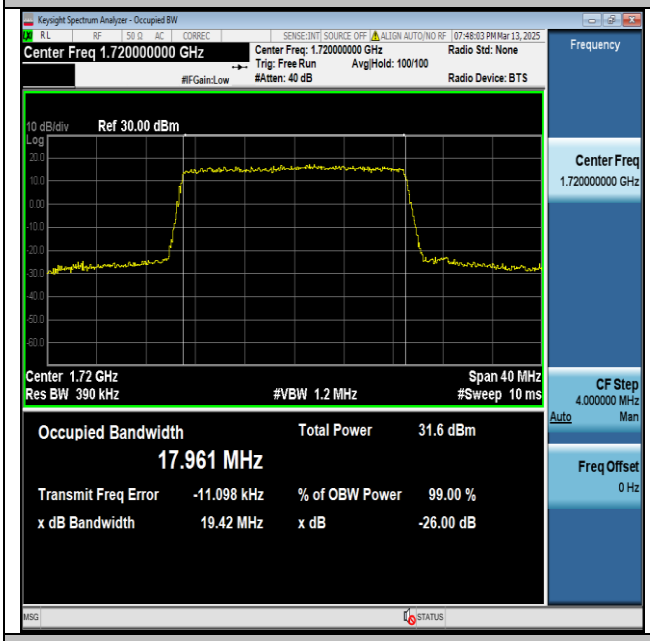

Band66-20MHz-QPSK-132072-100RB#0-PASS

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

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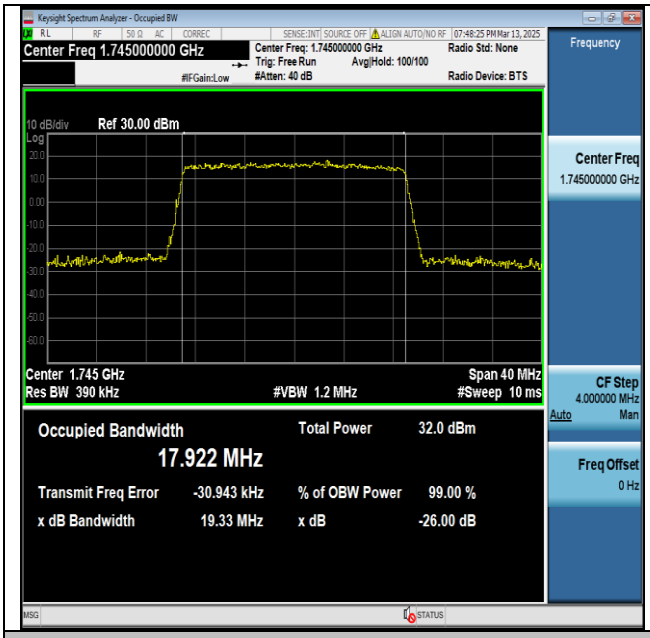

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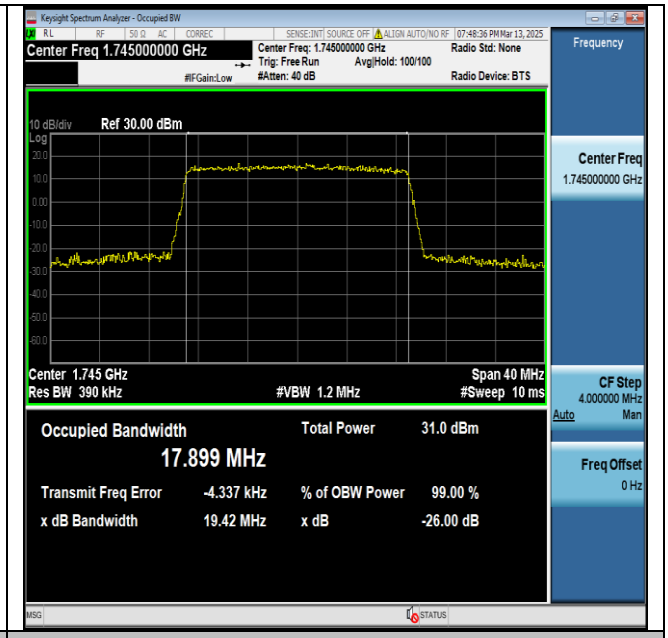
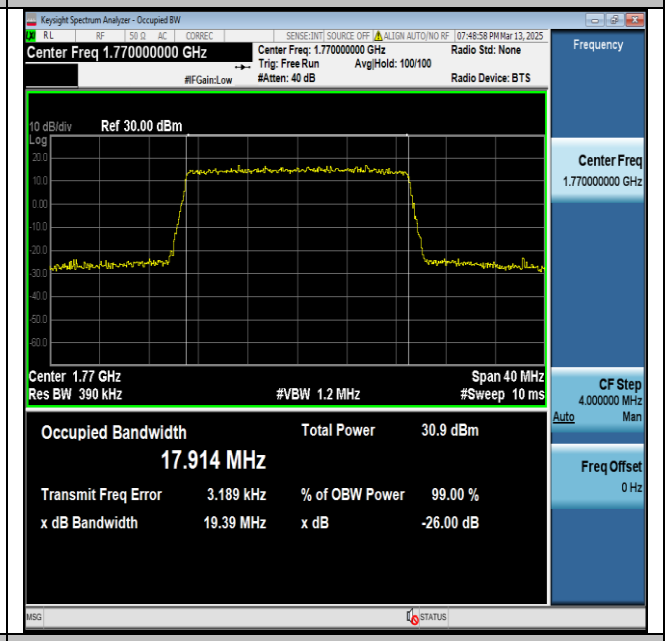


Band66-20MHz-16QAM-132322-100RB#0-PASS

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



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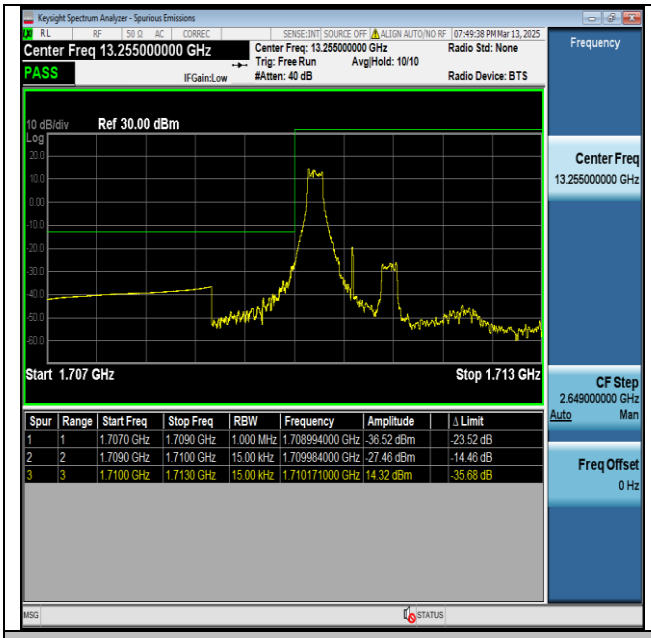
Band Edge

Test Graphs



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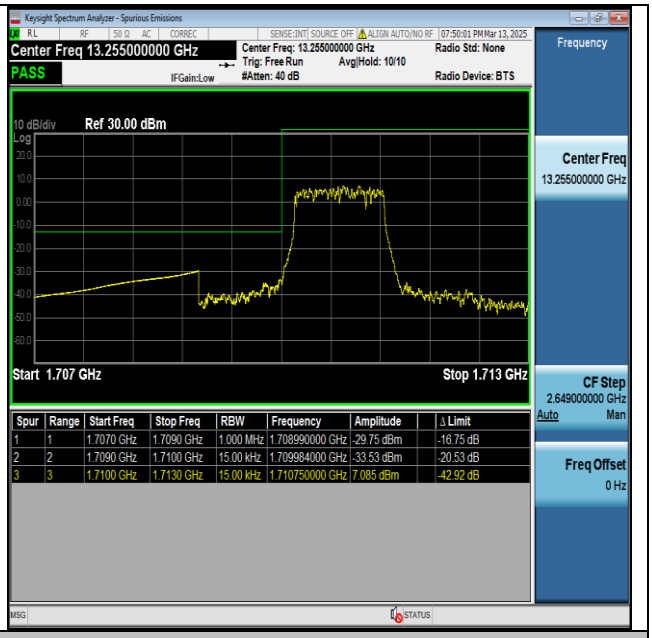

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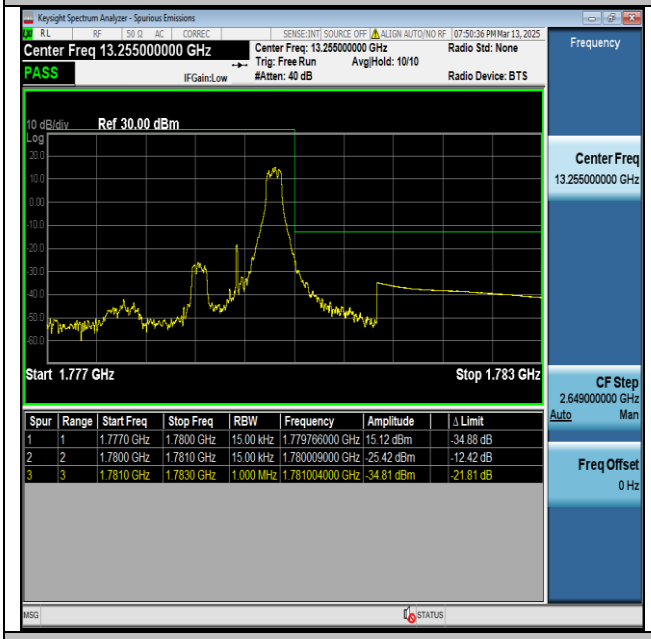

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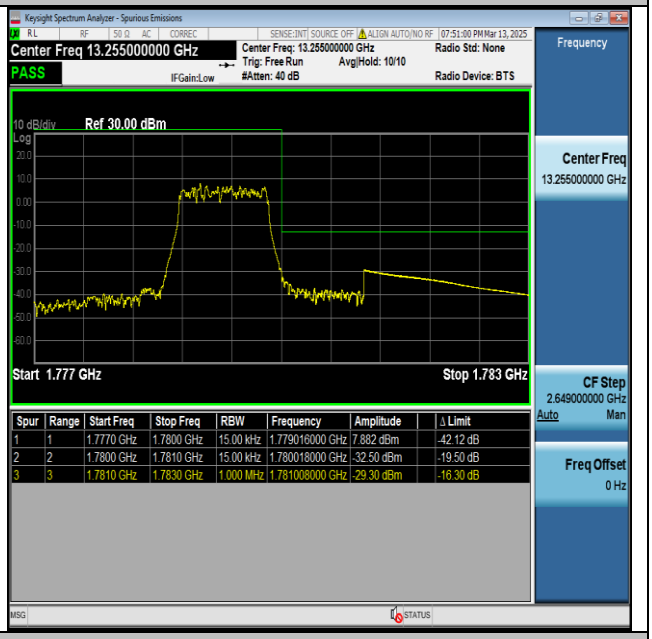

Band66-1.4MHz-QPSK-132665-6RB#0-PASS

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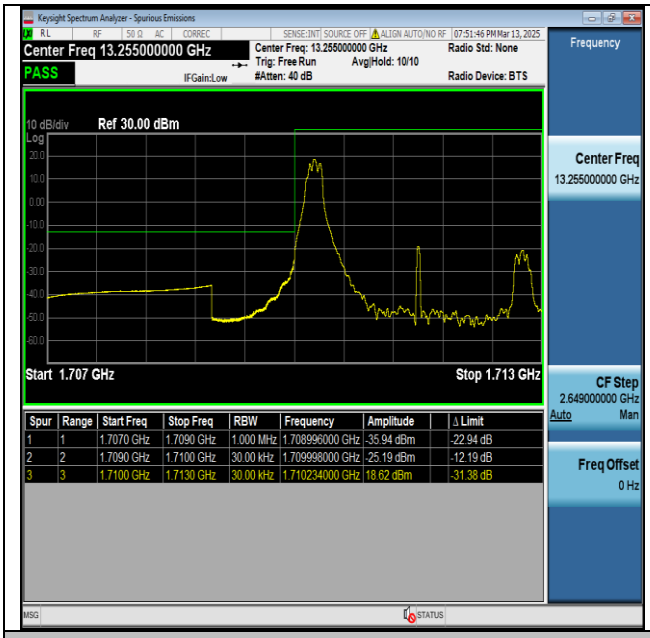
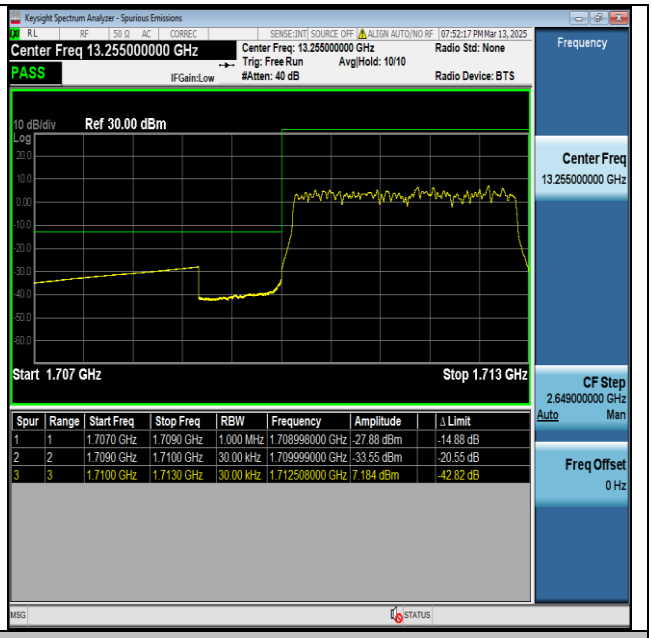


Band66-3MHz-QPSK-131987-1RB#0-PASS



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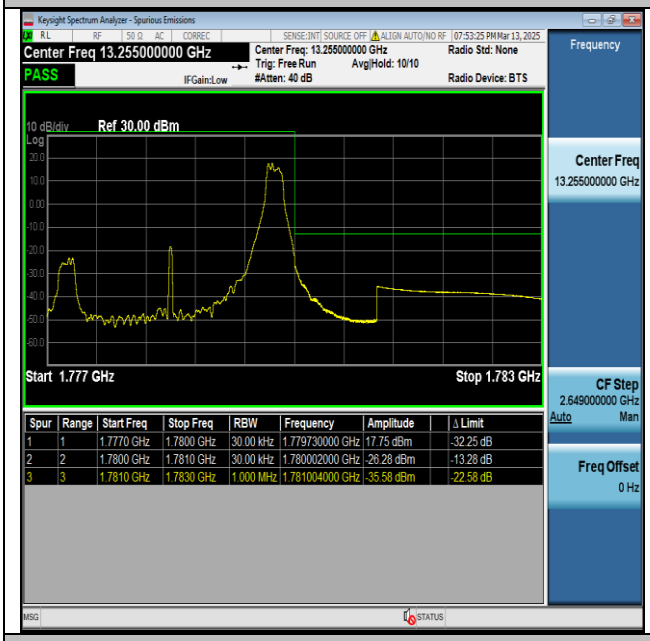

Band66-3MHz-QPSK-132657-1RB#14-PASS

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

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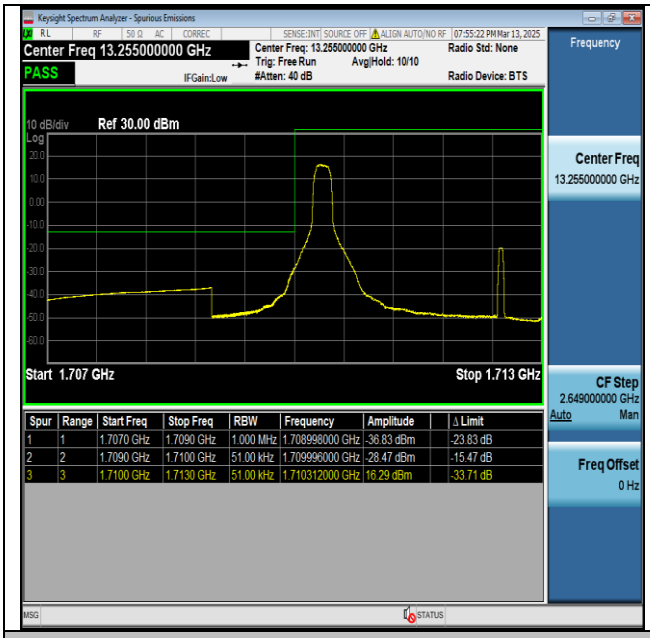
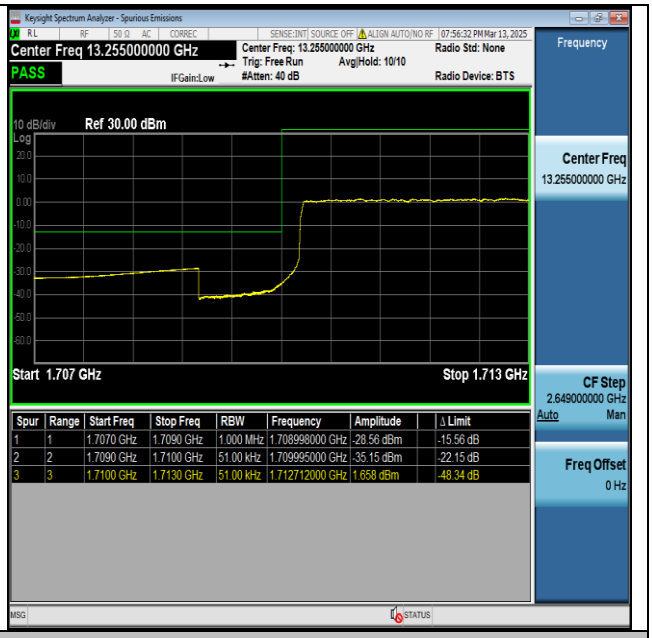
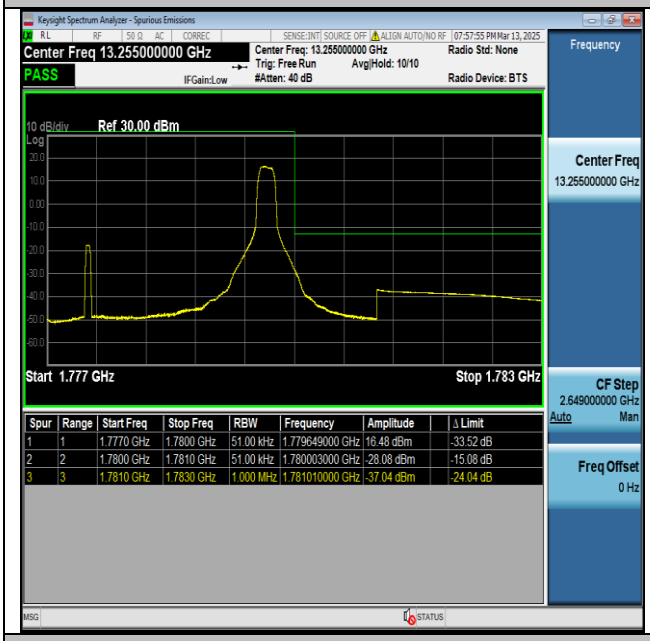


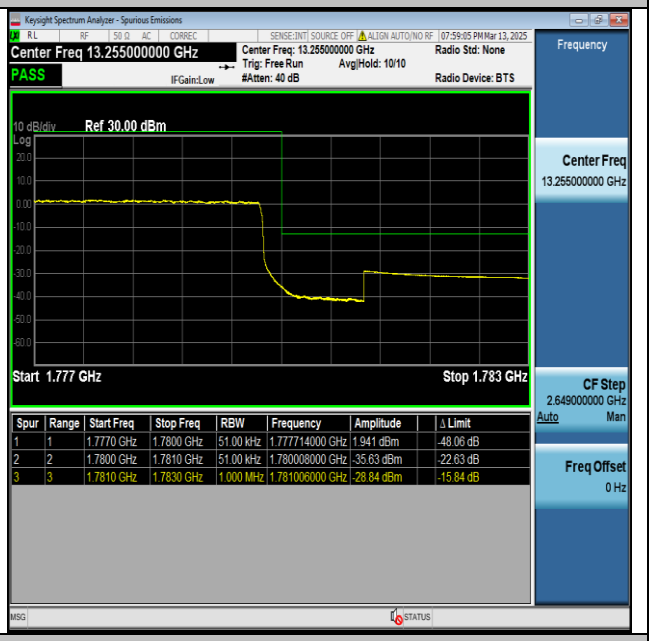
Band66-5MHz-QPSK-131997-1RB#0-PASS



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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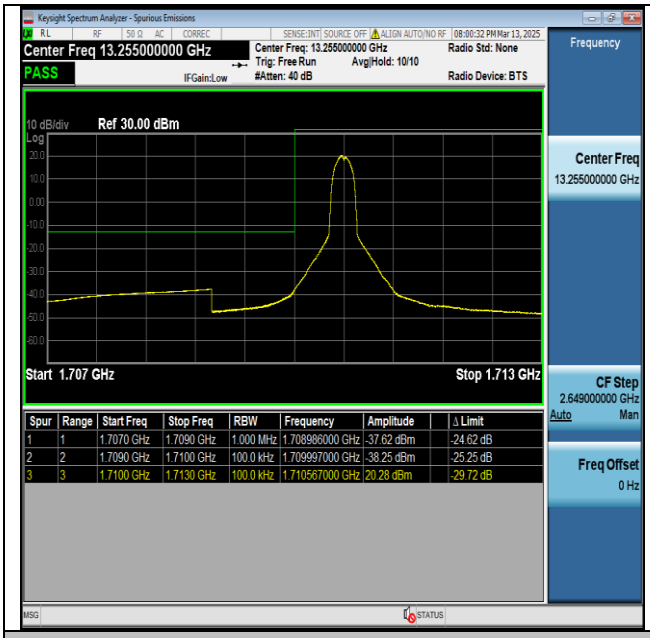
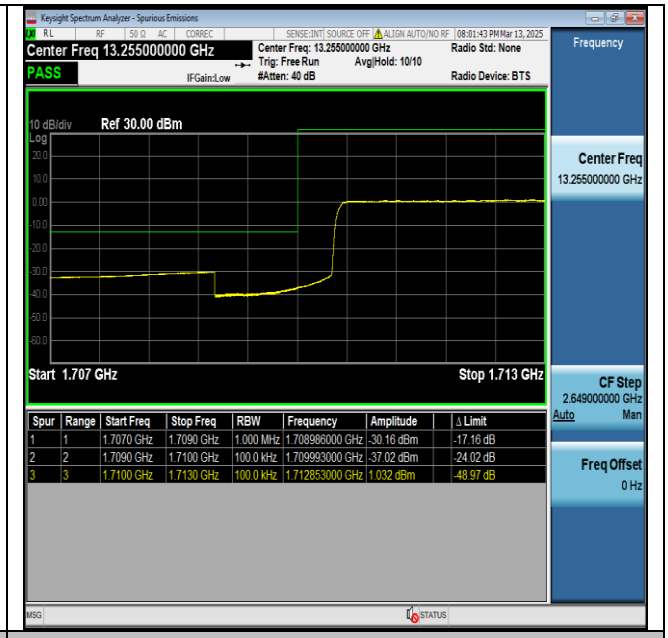


Band66-10MHz-QPSK-132022-1RB#0-PASS



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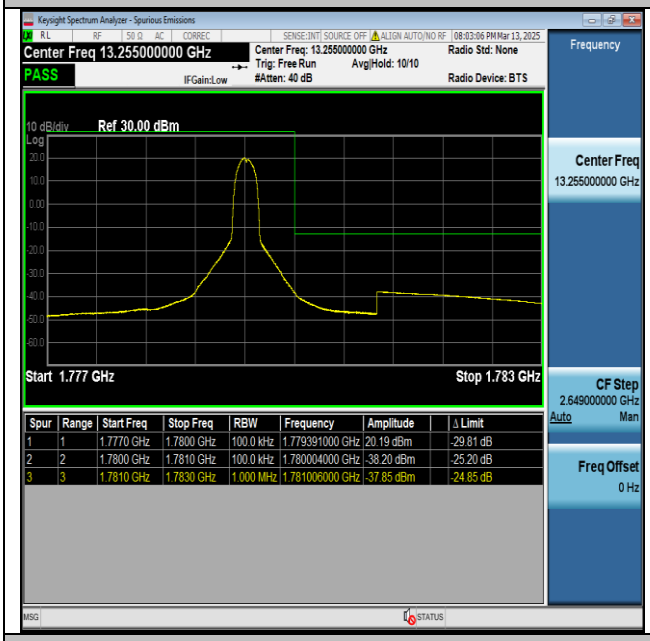
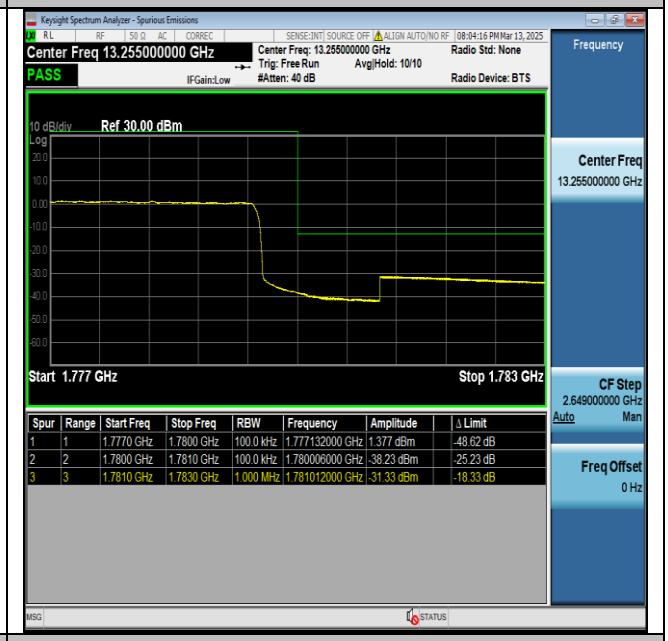


Band66-10MHz-QPSK-132622-1RB#49-PASS



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

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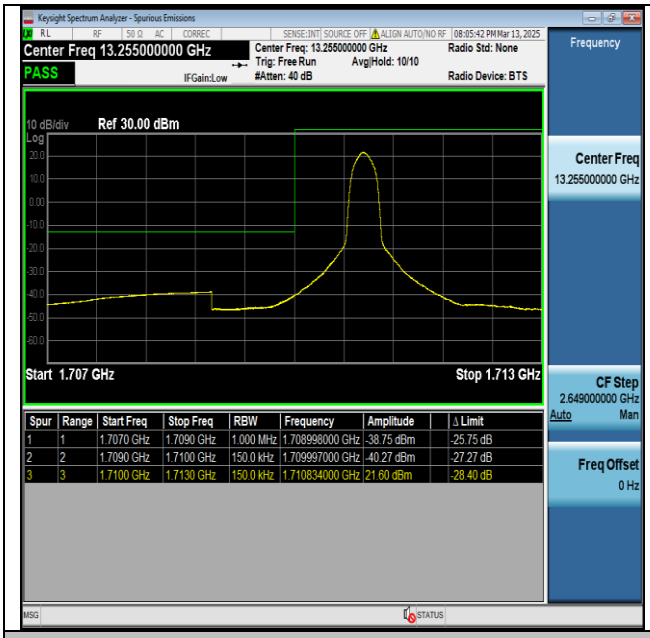
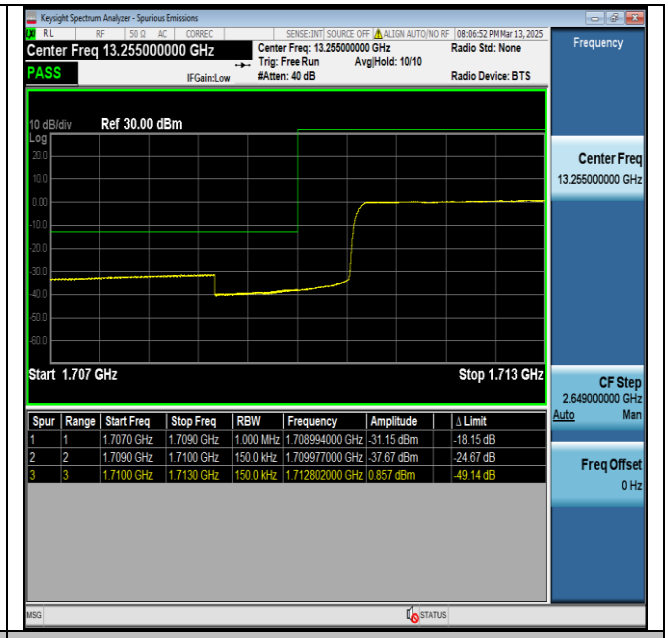
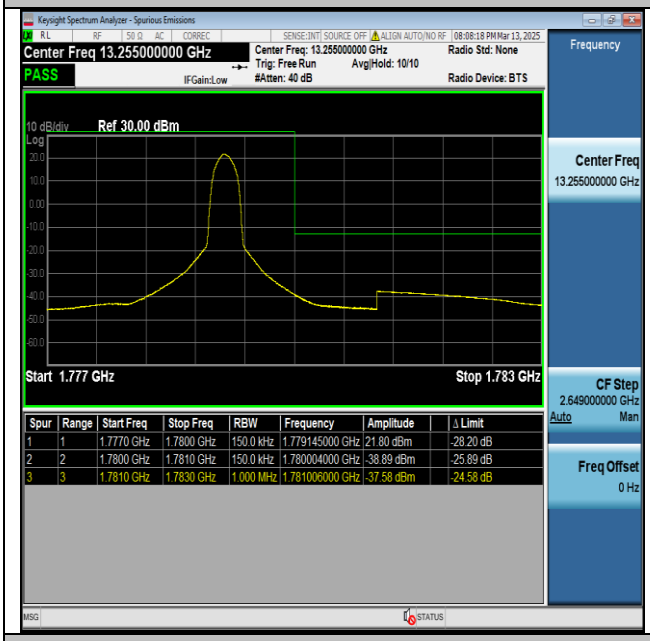


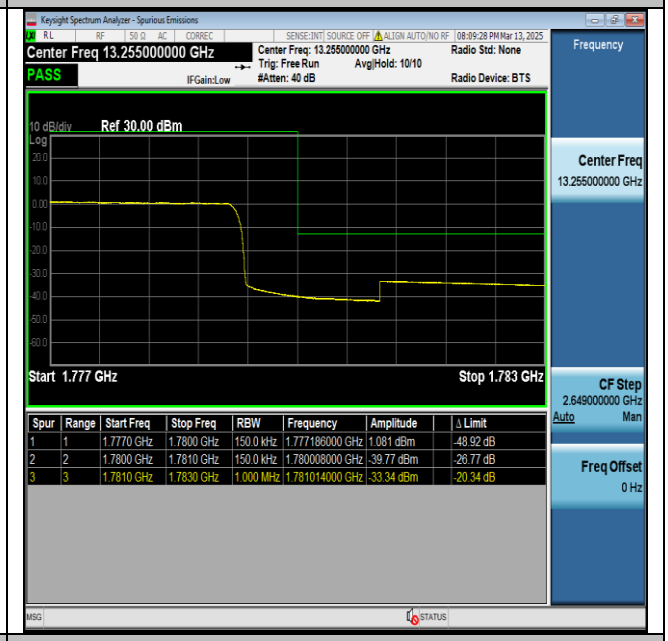
Band66-15MHz-QPSK-132047-1RB#0-PASS



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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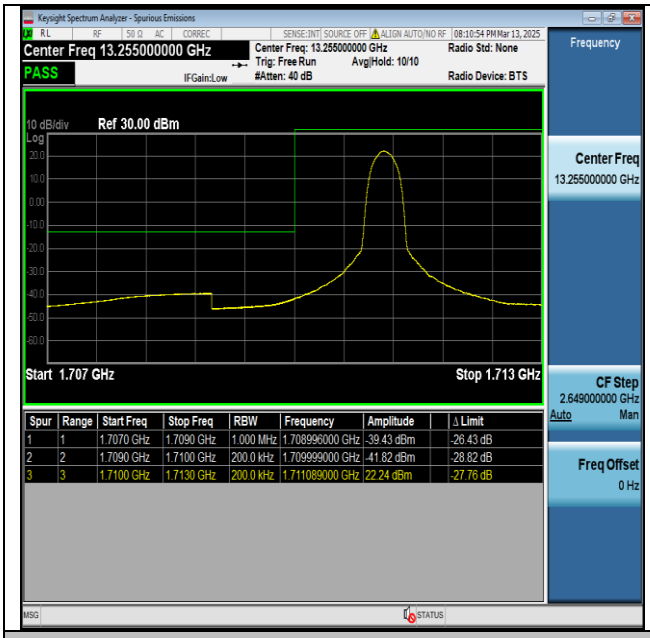
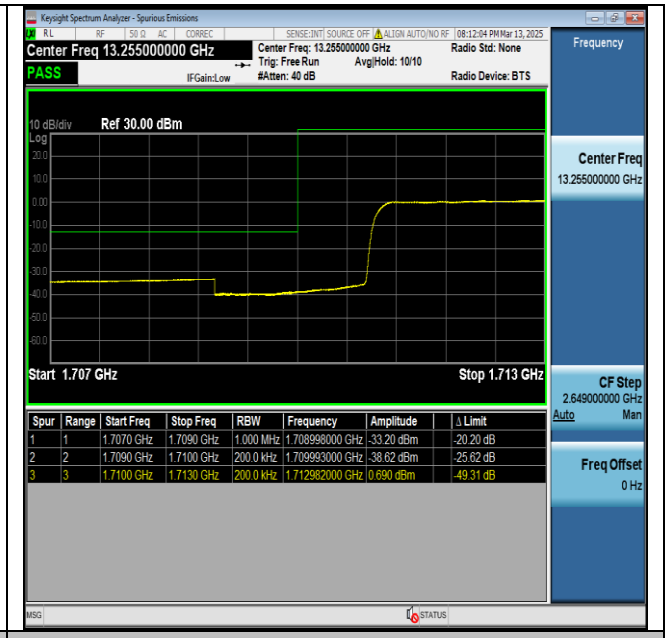
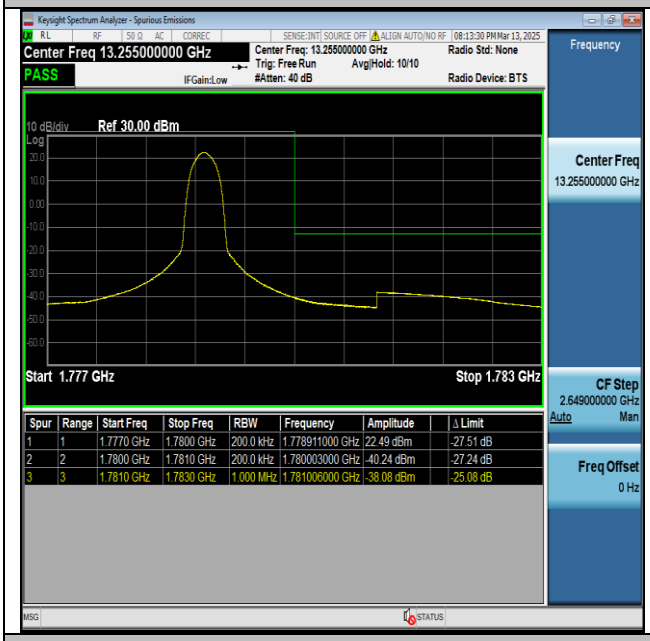


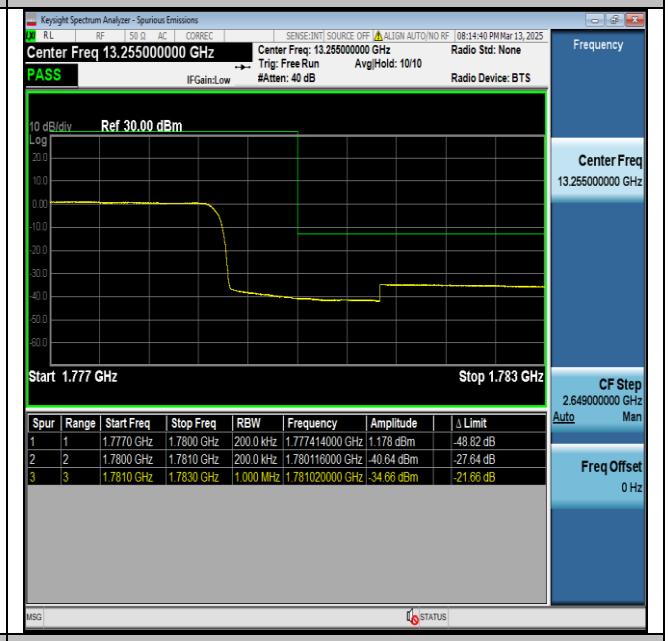
Band66-20MHz-QPSK-132072-1RB#0-PASS



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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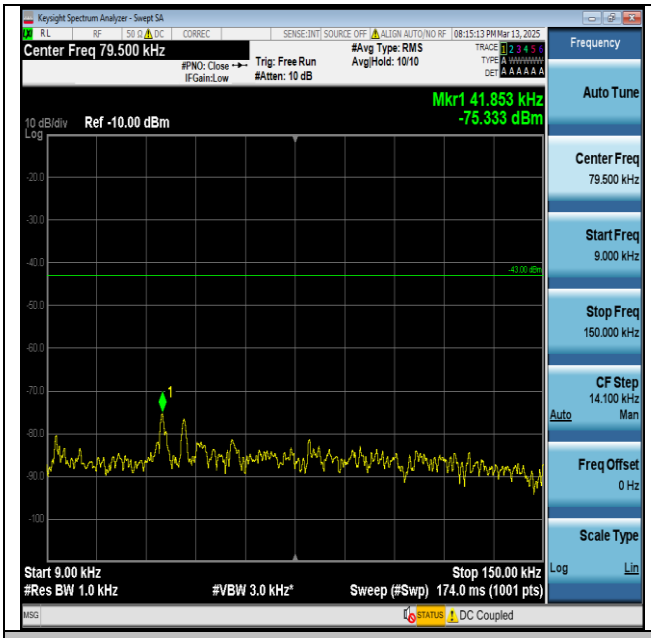
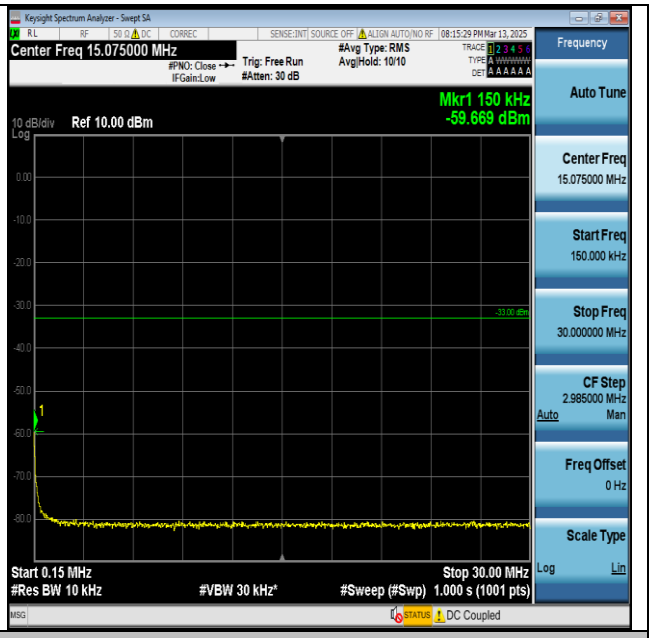
Conducted Spurious Emission

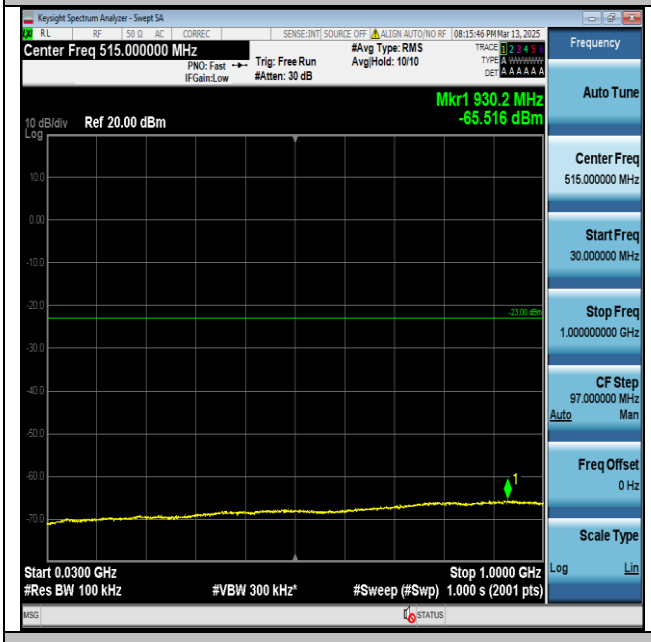
Test Graphs



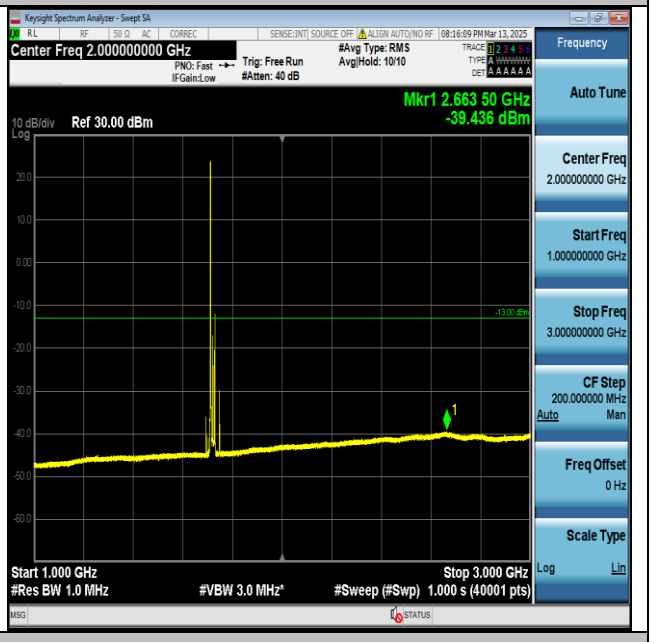
Band66-20MHz-QPSK-132072-1RB#0-0.009~0.15-PASS



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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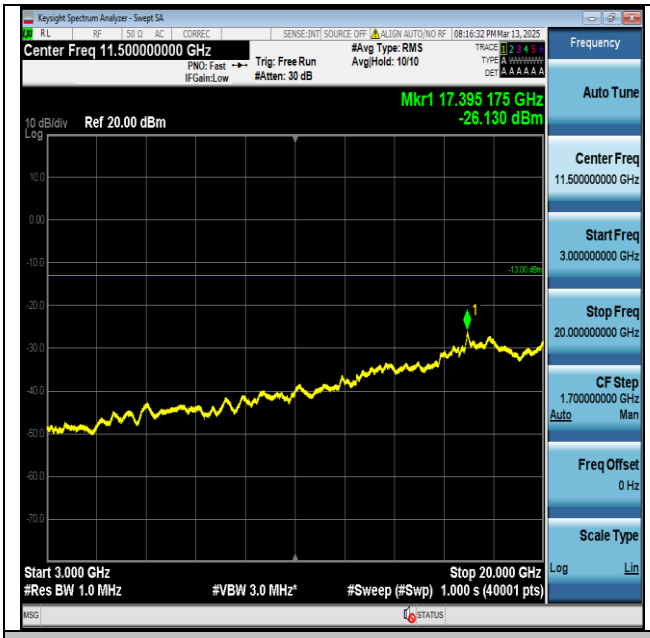
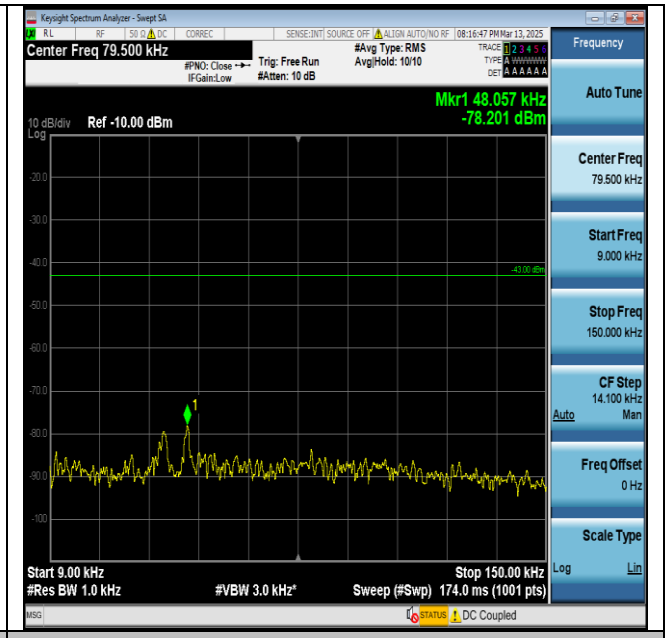
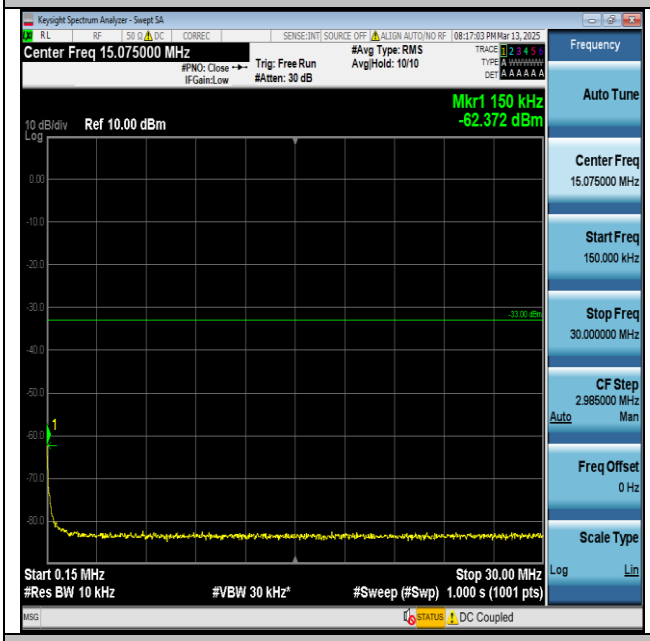


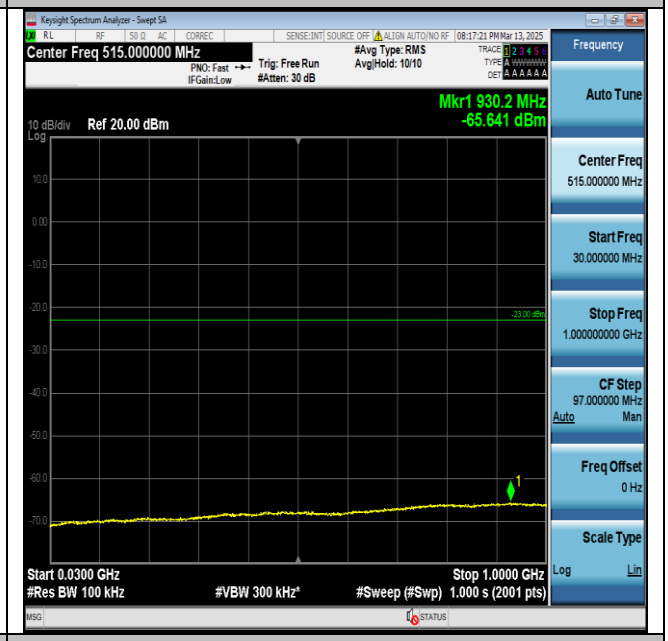
Band66-20MHz-QPSK-132072-1RB#0-3000~20000-PASS



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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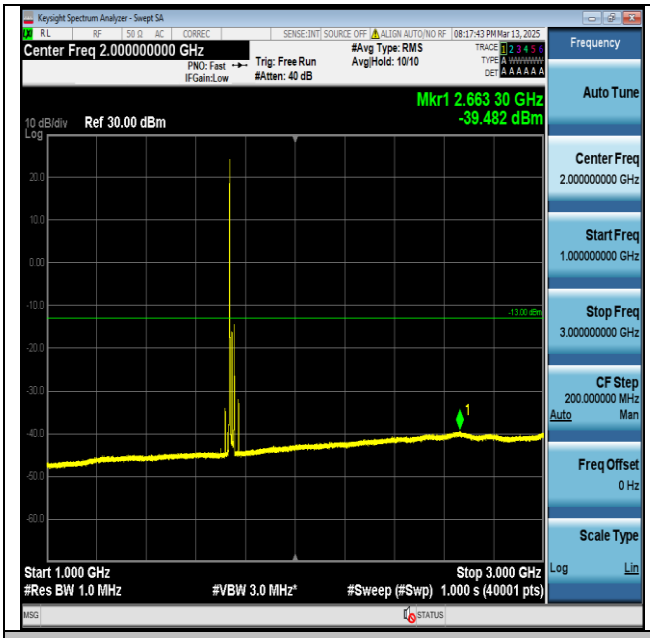
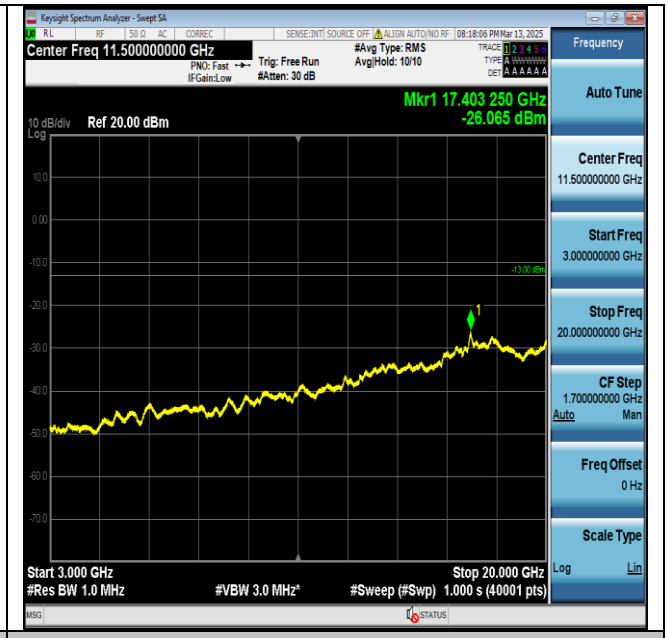
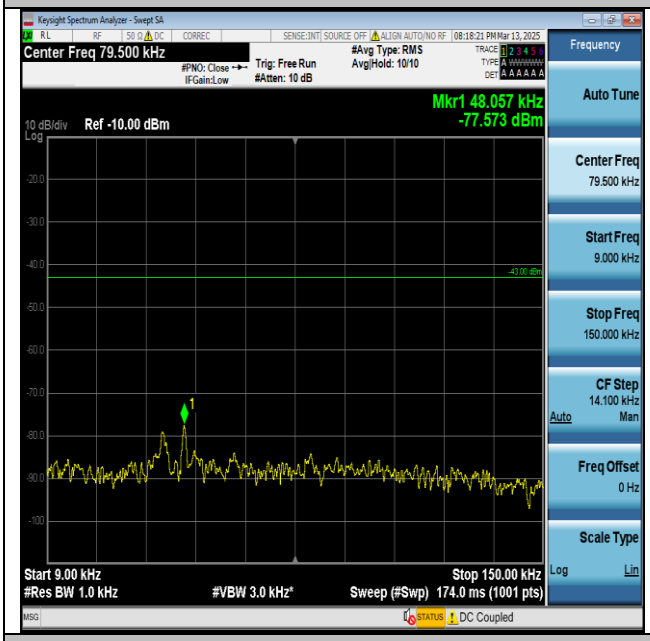


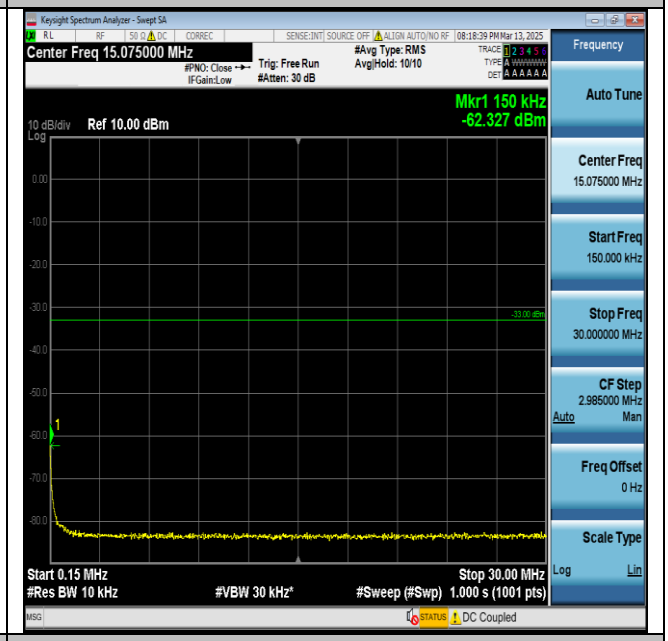
Band66-20MHz-QPSK-132322-1RB#0-1000~3000-PASS



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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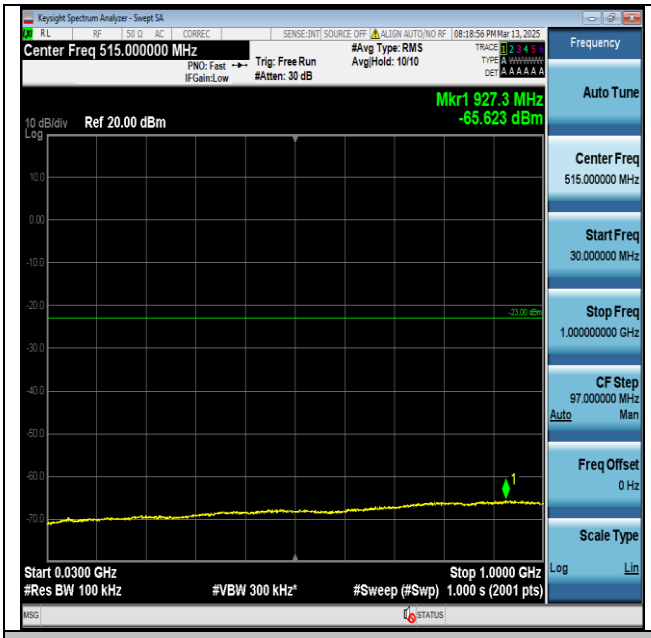

Band66-20MHz-QPSK-132572-1RB#0-30~1000-PASS

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	-1.50	-0.000860	PASS
Band66	20MHz	QPSK	132322	100RB#0	VL	NT	-2.10	-0.001203	PASS
Band66	20MHz	QPSK	132322	100RB#0	VH	NT	-1.40	-0.000802	PASS

Temperature									
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Verdict
Band66	20MHz	QPSK	132322	100RB#0	NV	-30	-2.40	-0.001375	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	-20	-1.70	-0.000974	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	-10	-1.80	-0.001032	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	0	-0.50	-0.000287	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	10	-1.00	-0.000573	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	20	-1.90	-0.001089	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	30	-0.60	-0.000344	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	40	-1.10	-0.000630	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	50	-2.90	-0.001662	PASS

~The End~

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