

Appendix-C LTE Band 5

Effective (Isotropic) Radiated Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dBm)	ERP (dBm)	Limit (dBm)	Verdict
Band5	1.4MHz	QPSK	20407	1RB#0	23.73	23.19	38.45	PASS
Band5	1.4MHz	QPSK	20407	1RB#2	23.89	23.35	38.45	PASS
Band5	1.4MHz	QPSK	20407	1RB#5	23.99	23.45	38.45	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	22.85	22.31	38.45	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	23.75	23.21	38.45	PASS
Band5	1.4MHz	QPSK	20525	1RB#2	23.90	23.36	38.45	PASS
Band5	1.4MHz	QPSK	20525	1RB#5	23.53	22.99	38.45	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	22.85	22.31	38.45	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	23.52	22.98	38.45	PASS
Band5	1.4MHz	QPSK	20643	1RB#2	23.78	23.24	38.45	PASS
Band5	1.4MHz	QPSK	20643	1RB#5	23.47	22.93	38.45	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	22.45	21.91	38.45	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	22.89	22.35	38.45	PASS
Band5	1.4MHz	16QAM	20407	1RB#2	23.19	22.65	38.45	PASS
Band5	1.4MHz	16QAM	20407	1RB#5	22.80	22.26	38.45	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	21.91	21.37	38.45	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	22.68	22.14	38.45	PASS
Band5	1.4MHz	16QAM	20525	1RB#2	23.19	22.65	38.45	PASS
Band5	1.4MHz	16QAM	20525	1RB#5	22.83	22.29	38.45	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	22.08	21.54	38.45	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	22.10	21.56	38.45	PASS
Band5	1.4MHz	16QAM	20643	1RB#2	22.70	22.16	38.45	PASS
Band5	1.4MHz	16QAM	20643	1RB#5	22.43	21.89	38.45	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	21.19	20.65	38.45	PASS
Band5	3MHz	QPSK	20415	1RB#0	23.87	23.33	38.45	PASS
Band5	3MHz	QPSK	20415	1RB#8	23.90	23.36	38.45	PASS
Band5	3MHz	QPSK	20415	1RB#14	23.75	23.21	38.45	PASS
Band5	3MHz	QPSK	20415	15RB#0	23.02	22.48	38.45	PASS
Band5	3MHz	QPSK	20525	1RB#0	23.84	23.3	38.45	PASS
Band5	3MHz	QPSK	20525	1RB#8	23.74	23.2	38.45	PASS
Band5	3MHz	QPSK	20525	1RB#14	23.89	23.35	38.45	PASS
Band5	3MHz	QPSK	20525	15RB#0	22.71	22.17	38.45	PASS
Band5	3MHz	QPSK	20635	1RB#0	23.63	23.09	38.45	PASS
Band5	3MHz	QPSK	20635	1RB#8	23.39	22.85	38.45	PASS
Band5	3MHz	QPSK	20635	1RB#14	23.44	22.9	38.45	PASS
Band5	3MHz	QPSK	20635	15RB#0	22.57	22.03	38.45	PASS
Band5	3MHz	16QAM	20415	1RB#0	22.93	22.39	38.45	PASS

Band5	3MHz	16QAM	20415	1RB#8	22.87	22.33	38.45	PASS
Band5	3MHz	16QAM	20415	1RB#14	22.94	22.4	38.45	PASS
Band5	3MHz	16QAM	20415	15RB#0	22.11	21.57	38.45	PASS
Band5	3MHz	16QAM	20525	1RB#0	22.72	22.18	38.45	PASS
Band5	3MHz	16QAM	20525	1RB#8	22.45	21.91	38.45	PASS
Band5	3MHz	16QAM	20525	1RB#14	22.60	22.06	38.45	PASS
Band5	3MHz	16QAM	20525	15RB#0	21.79	21.25	38.45	PASS
Band5	3MHz	16QAM	20635	1RB#0	22.59	22.05	38.45	PASS
Band5	3MHz	16QAM	20635	1RB#8	22.18	21.64	38.45	PASS
Band5	3MHz	16QAM	20635	1RB#14	22.57	22.03	38.45	PASS
Band5	3MHz	16QAM	20635	15RB#0	21.48	20.94	38.45	PASS
Band5	5MHz	QPSK	20425	1RB#0	23.73	23.19	38.45	PASS
Band5	5MHz	QPSK	20425	1RB#12	24.18	23.64	38.45	PASS
Band5	5MHz	QPSK	20425	1RB#24	23.69	23.15	38.45	PASS
Band5	5MHz	QPSK	20425	25RB#0	22.83	22.29	38.45	PASS
Band5	5MHz	QPSK	20525	1RB#0	23.66	23.12	38.45	PASS
Band5	5MHz	QPSK	20525	1RB#12	23.84	23.3	38.45	PASS
Band5	5MHz	QPSK	20525	1RB#24	23.73	23.19	38.45	PASS
Band5	5MHz	QPSK	20525	25RB#0	22.68	22.14	38.45	PASS
Band5	5MHz	QPSK	20625	1RB#0	23.57	23.03	38.45	PASS
Band5	5MHz	QPSK	20625	1RB#12	23.72	23.18	38.45	PASS
Band5	5MHz	QPSK	20625	1RB#24	23.61	23.07	38.45	PASS
Band5	5MHz	QPSK	20625	25RB#0	22.43	21.89	38.45	PASS
Band5	5MHz	16QAM	20425	1RB#0	22.68	22.14	38.45	PASS
Band5	5MHz	16QAM	20425	1RB#12	22.86	22.32	38.45	PASS
Band5	5MHz	16QAM	20425	1RB#24	22.50	21.96	38.45	PASS
Band5	5MHz	16QAM	20425	25RB#0	21.89	21.35	38.45	PASS
Band5	5MHz	16QAM	20525	1RB#0	22.61	22.07	38.45	PASS
Band5	5MHz	16QAM	20525	1RB#12	22.54	22	38.45	PASS
Band5	5MHz	16QAM	20525	1RB#24	22.58	22.04	38.45	PASS
Band5	5MHz	16QAM	20525	25RB#0	21.75	21.21	38.45	PASS
Band5	5MHz	16QAM	20625	1RB#0	22.51	21.97	38.45	PASS
Band5	5MHz	16QAM	20625	1RB#12	22.51	21.97	38.45	PASS
Band5	5MHz	16QAM	20625	1RB#24	22.39	21.85	38.45	PASS
Band5	5MHz	16QAM	20625	25RB#0	21.48	20.94	38.45	PASS
Band5	10MHz	QPSK	20450	1RB#0	23.77	23.23	38.45	PASS
Band5	10MHz	QPSK	20450	1RB#24	24.06	23.52	38.45	PASS
Band5	10MHz	QPSK	20450	1RB#49	23.58	23.04	38.45	PASS
Band5	10MHz	QPSK	20450	50RB#0	22.87	22.33	38.45	PASS
Band5	10MHz	QPSK	20525	1RB#0	23.56	23.02	38.45	PASS
Band5	10MHz	QPSK	20525	1RB#24	24.00	23.46	38.45	PASS
Band5	10MHz	QPSK	20525	1RB#49	23.50	22.96	38.45	PASS
Band5	10MHz	QPSK	20525	50RB#0	22.86	22.32	38.45	PASS
Band5	10MHz	QPSK	20600	1RB#0	23.75	23.21	38.45	PASS

Band5	10MHz	QPSK	20600	1RB#24	23.66	23.12	38.45	PASS
Band5	10MHz	QPSK	20600	1RB#49	23.68	23.14	38.45	PASS
Band5	10MHz	QPSK	20600	50RB#0	22.53	21.99	38.45	PASS
Band5	10MHz	16QAM	20450	1RB#0	22.83	22.29	38.45	PASS
Band5	10MHz	16QAM	20450	1RB#24	22.97	22.43	38.45	PASS
Band5	10MHz	16QAM	20450	1RB#49	22.76	22.22	38.45	PASS
Band5	10MHz	16QAM	20450	50RB#0	21.67	21.13	38.45	PASS
Band5	10MHz	16QAM	20525	1RB#0	22.69	22.15	38.45	PASS
Band5	10MHz	16QAM	20525	1RB#24	23.36	22.82	38.45	PASS
Band5	10MHz	16QAM	20525	1RB#49	22.65	22.11	38.45	PASS
Band5	10MHz	16QAM	20525	50RB#0	21.74	21.2	38.45	PASS
Band5	10MHz	16QAM	20600	1RB#0	22.92	22.38	38.45	PASS
Band5	10MHz	16QAM	20600	1RB#24	22.67	22.13	38.45	PASS
Band5	10MHz	16QAM	20600	1RB#49	22.44	21.9	38.45	PASS
Band5	10MHz	16QAM	20600	50RB#0	21.45	20.91	38.45	PASS

Peak-to-Average Ratio(CCDF)

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dB)	Limit (dB)	Verdict
Band5	10MHz	QPSK	20450	100RB#0	4.92	13	PASS
Band5	10MHz	QPSK	20525	100RB#0	4.79	13	PASS
Band5	10MHz	QPSK	20600	100RB#0	4.86	13	PASS
Band5	10MHz	16QAM	20450	100RB#0	4.92	13	PASS
Band5	10MHz	16QAM	20525	100RB#0	4.79	13	PASS
Band5	10MHz	16QAM	20600	100RB#0	4.85	13	PASS

Test Graphs



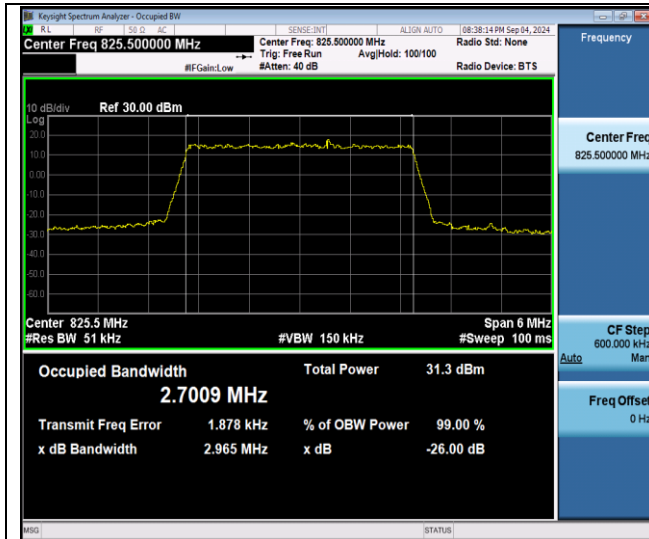
26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	OBW (MHz)	26dB EBW (MHz)	Verdict
Band5	1.4MHz	QPSK	20407	6RB#0	1.0953	1.315	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	1.0956	1.313	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	1.0962	1.323	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	1.1015	1.301	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	1.1009	1.311	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	1.1017	1.317	PASS
Band5	3MHz	QPSK	20415	15RB#0	2.7009	2.965	PASS
Band5	3MHz	QPSK	20525	15RB#0	2.7043	2.969	PASS
Band5	3MHz	QPSK	20635	15RB#0	2.7126	2.979	PASS
Band5	3MHz	16QAM	20415	15RB#0	2.6966	2.983	PASS
Band5	3MHz	16QAM	20525	15RB#0	2.6962	2.971	PASS
Band5	3MHz	16QAM	20635	15RB#0	2.6969	2.985	PASS
Band5	5MHz	QPSK	20425	25RB#0	4.5111	5.017	PASS
Band5	5MHz	QPSK	20525	25RB#0	4.5028	5.024	PASS
Band5	5MHz	QPSK	20625	25RB#0	4.5142	5.024	PASS
Band5	5MHz	16QAM	20425	25RB#0	4.5011	4.994	PASS
Band5	5MHz	16QAM	20525	25RB#0	4.5028	4.982	PASS
Band5	5MHz	16QAM	20625	25RB#0	4.5090	4.994	PASS
Band5	10MHz	QPSK	20450	50RB#0	8.9746	9.966	PASS
Band5	10MHz	QPSK	20525	50RB#0	8.9626	9.926	PASS
Band5	10MHz	QPSK	20600	50RB#0	8.9789	9.966	PASS
Band5	10MHz	16QAM	20450	50RB#0	8.9743	9.875	PASS
Band5	10MHz	16QAM	20525	50RB#0	8.9703	9.854	PASS
Band5	10MHz	16QAM	20600	50RB#0	8.9840	9.926	PASS

Test Graphs

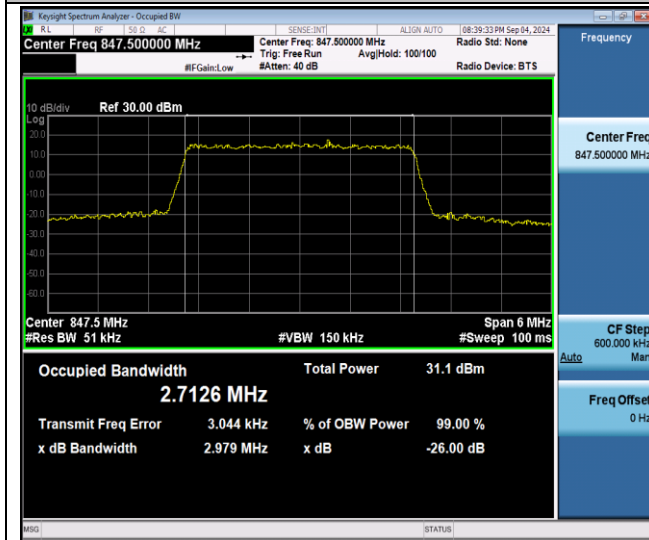




Band5-3MHz-QPSK-20415-15RB#0-PASS



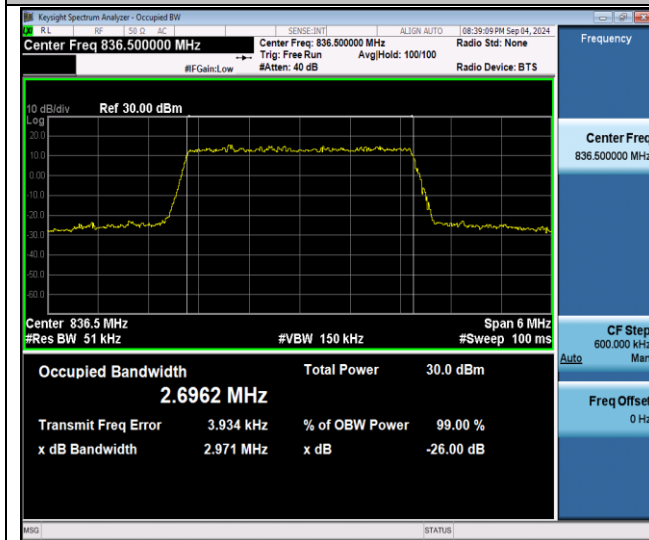
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Band5-3MHz-QPSK-20635-15RB#0-PASS



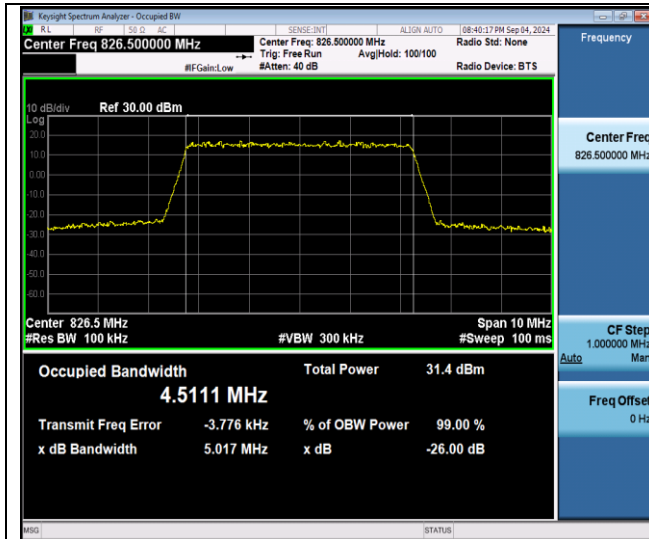
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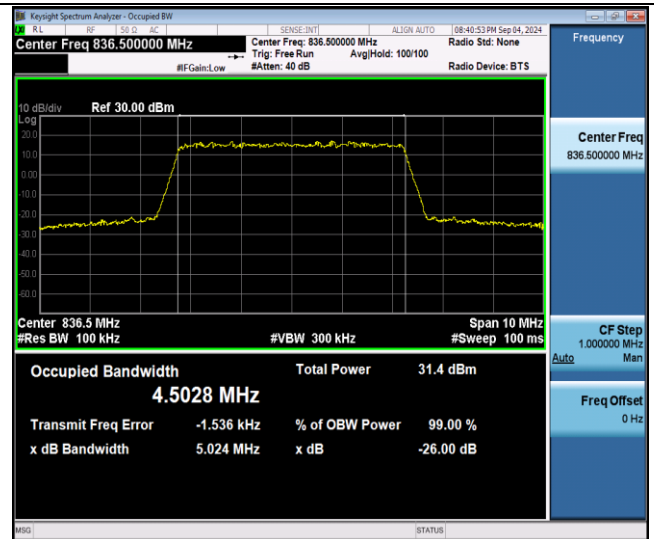
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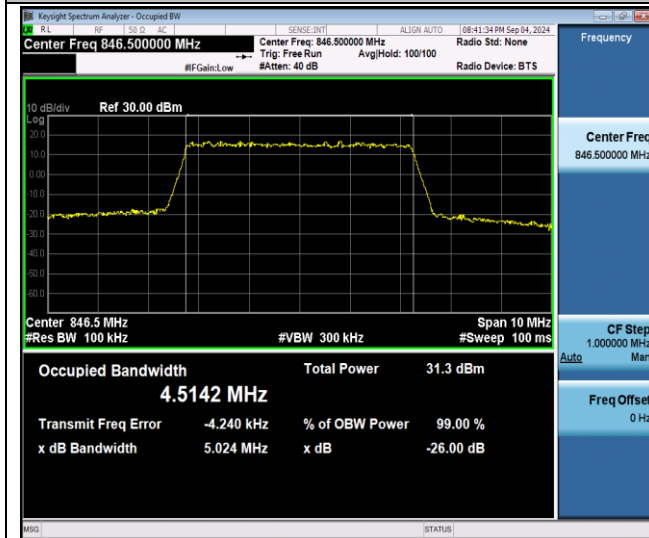
Band5-3MHz-16QAM-20635-15RB#0-PASS



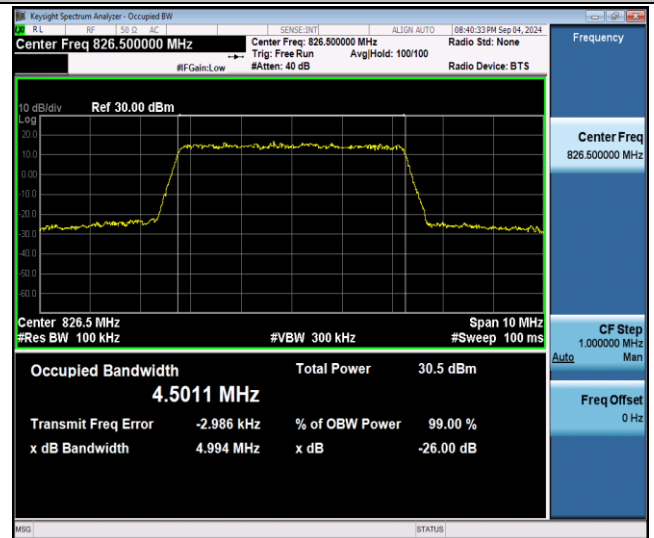
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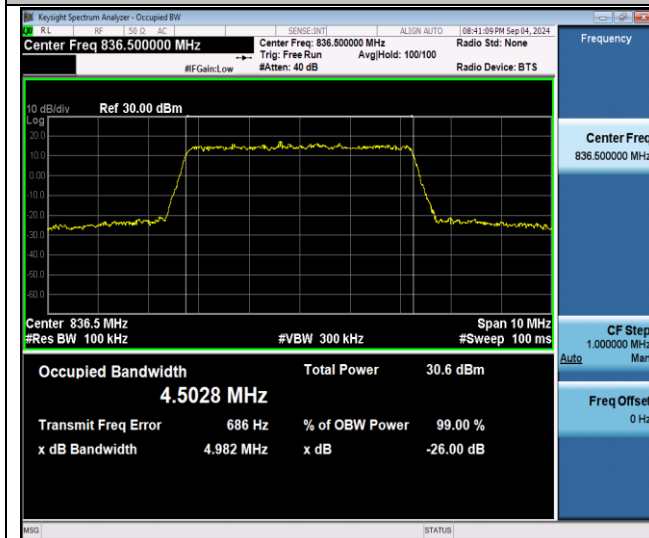
Band5-5MHz-QPSK-20525-25RB#0-PASS



Band5-5MHz-QPSK-20625-25RB#0-PASS



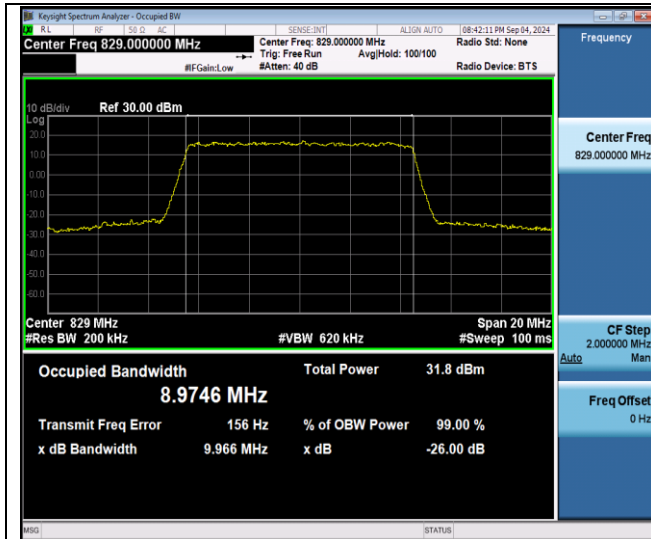
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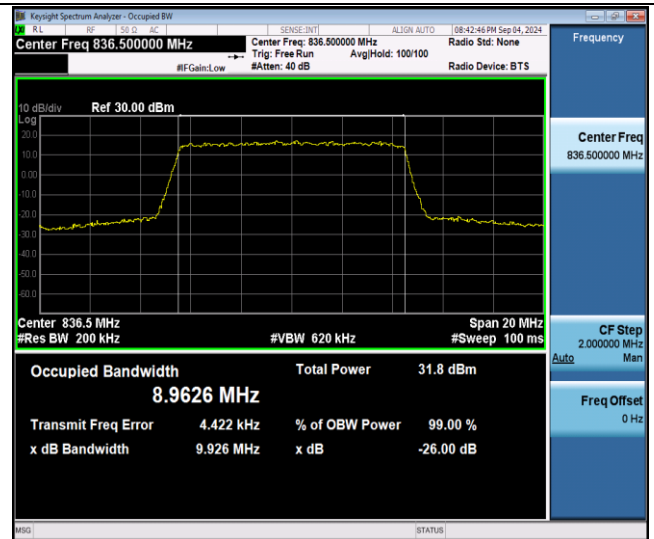
Band5-5MHz-16QAM-20525-25RB#0-PASS



Band5-5MHz-16QAM-20625-25RB#0-PASS



Band5-10MHz-QPSK-20450-50RB#0-PASS



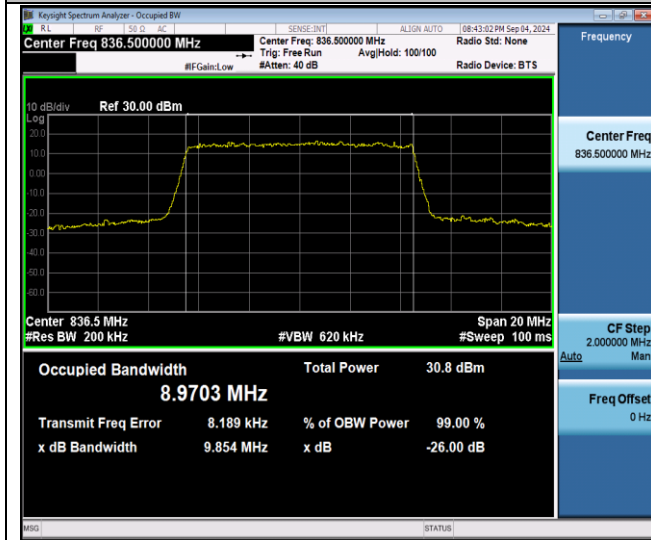
Band5-10MHz-QPSK-20525-50RB#0-PASS



Band5-10MHz-QPSK-20600-50RB#0-PASS



Band5-10MHz-16QAM-20450-50RB#0-PASS



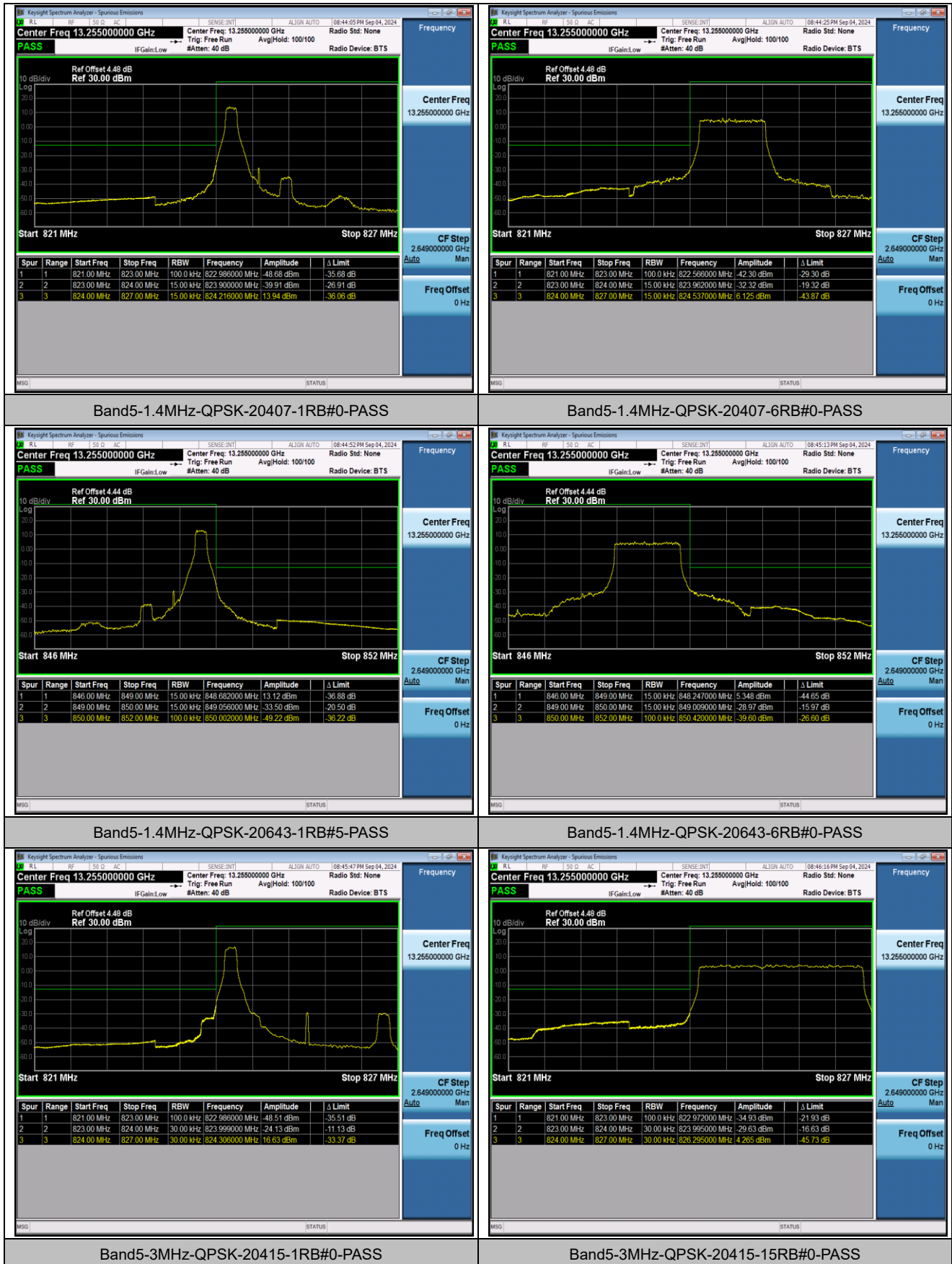
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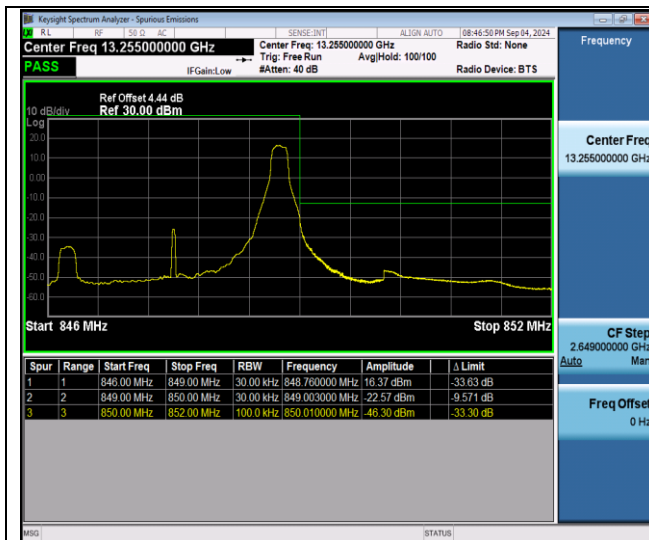


Band5-10MHz-16QAM-20600-50RB#0-PASS

Band Edge

Test Graphs

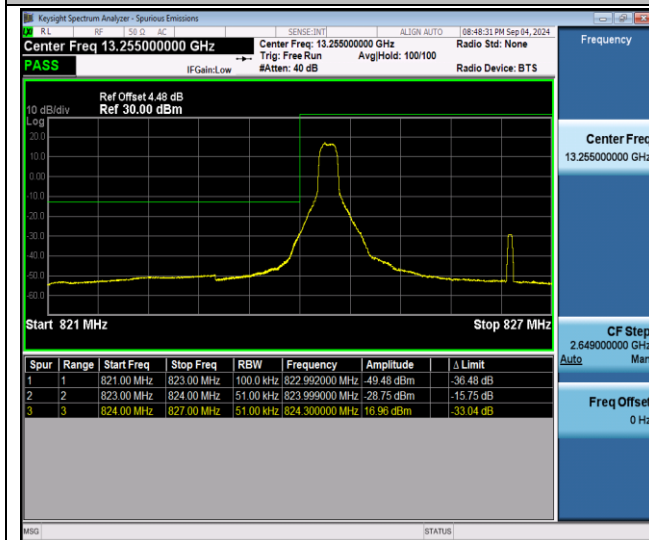




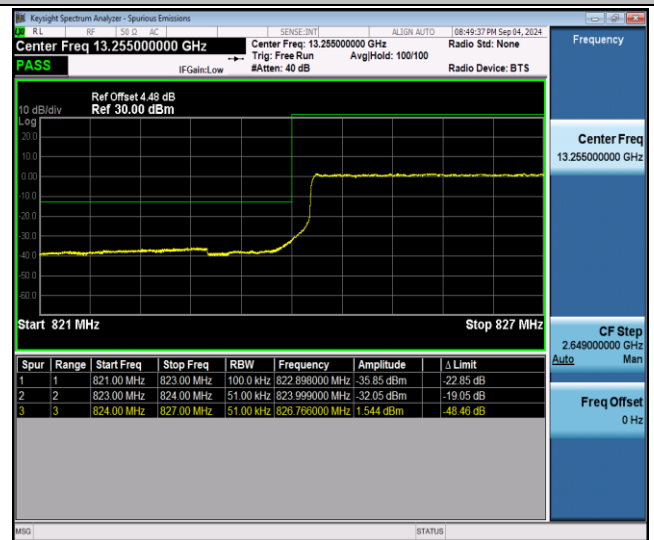
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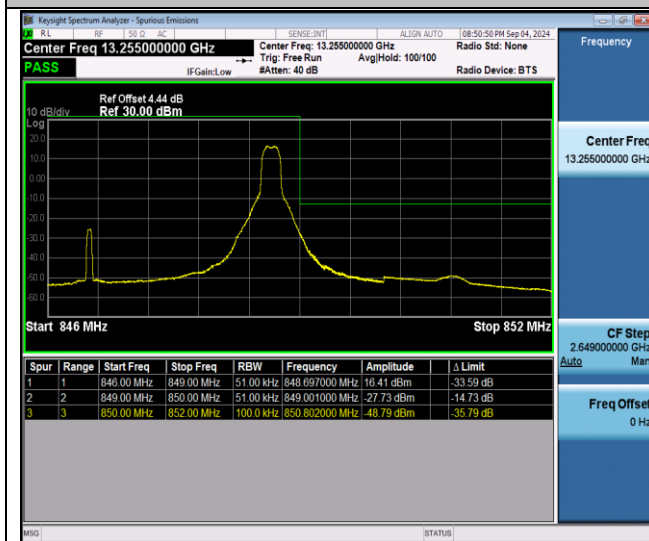
Band5-3MHz-QPSK-20635-15RB#0-PASS



Band5-5MHz-QPSK-20425-1RB#0-PASS



Band5-5MHz-QPSK-20425-25RB#0-PASS



Band5-5MHz-QPSK-20625-1RB#24-PASS



Band5-5MHz-QPSK-20625-25RB#0-PASS

