

Appendix-B LTE Band 2

Effective (Isotropic) Radiated Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dBm)	EIRP (dBm)	Limit (dBm)	Verdict
Band2	1.4MHz	QPSK	18607	1RB#0	23.54	24.54	33.01	PASS
Band2	1.4MHz	QPSK	18607	6RB#0	22.39	23.39	33.01	PASS
Band2	1.4MHz	QPSK	18607	1RB#2	23.71	24.71	33.01	PASS
Band2	1.4MHz	QPSK	18607	1RB#5	22.84	23.84	33.01	PASS
Band2	1.4MHz	QPSK	18900	1RB#0	23.28	24.28	33.01	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	22.69	23.69	33.01	PASS
Band2	1.4MHz	QPSK	18900	1RB#2	23.51	24.51	33.01	PASS
Band2	1.4MHz	QPSK	18900	1RB#5	22.65	23.65	33.01	PASS
Band2	1.4MHz	QPSK	19193	1RB#0	23.24	24.24	33.01	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	23.44	24.44	33.01	PASS
Band2	1.4MHz	QPSK	19193	1RB#2	24.00	25	33.01	PASS
Band2	1.4MHz	QPSK	19193	1RB#5	23.30	24.3	33.01	PASS
Band2	1.4MHz	16QAM	18607	1RB#0	22.94	23.94	33.01	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	21.61	22.61	33.01	PASS
Band2	1.4MHz	16QAM	18607	1RB#2	23.12	24.12	33.01	PASS
Band2	1.4MHz	16QAM	18607	1RB#5	22.18	23.18	33.01	PASS
Band2	1.4MHz	16QAM	18900	1RB#0	22.54	23.54	33.01	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	21.80	22.8	33.01	PASS
Band2	1.4MHz	16QAM	18900	1RB#2	23.03	24.03	33.01	PASS
Band2	1.4MHz	16QAM	18900	1RB#5	22.05	23.05	33.01	PASS
Band2	1.4MHz	16QAM	19193	1RB#0	22.53	23.53	33.01	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	22.31	23.31	33.01	PASS
Band2	1.4MHz	16QAM	19193	1RB#2	23.21	24.21	33.01	PASS
Band2	1.4MHz	16QAM	19193	1RB#5	22.39	23.39	33.01	PASS
Band2	3MHz	QPSK	18615	1RB#0	23.49	24.49	33.01	PASS
Band2	3MHz	QPSK	18615	15RB#0	22.60	23.6	33.01	PASS
Band2	3MHz	QPSK	18615	1RB#8	23.84	24.84	33.01	PASS
Band2	3MHz	QPSK	18615	1RB#14	22.50	23.5	33.01	PASS
Band2	3MHz	QPSK	18900	1RB#0	23.36	24.36	33.01	PASS
Band2	3MHz	QPSK	18900	15RB#0	22.81	23.81	33.01	PASS
Band2	3MHz	QPSK	18900	1RB#8	23.67	24.67	33.01	PASS
Band2	3MHz	QPSK	18900	1RB#14	22.23	23.23	33.01	PASS
Band2	3MHz	QPSK	19185	1RB#0	23.45	24.45	33.01	PASS
Band2	3MHz	QPSK	19185	15RB#0	22.70	23.7	33.01	PASS
Band2	3MHz	QPSK	19185	1RB#8	24.24	25.24	33.01	PASS
Band2	3MHz	QPSK	19185	1RB#14	22.85	23.85	33.01	PASS

Band2	3MHz	16QAM	18615	1RB#0	22.77	23.77	33.01	PASS
Band2	3MHz	16QAM	18615	15RB#0	21.67	22.67	33.01	PASS
Band2	3MHz	16QAM	18615	1RB#8	23.22	24.22	33.01	PASS
Band2	3MHz	16QAM	18615	1RB#14	21.87	22.87	33.01	PASS
Band2	3MHz	16QAM	18900	1RB#0	22.52	23.52	33.01	PASS
Band2	3MHz	16QAM	18900	15RB#0	21.94	22.94	33.01	PASS
Band2	3MHz	16QAM	18900	1RB#8	22.94	23.94	33.01	PASS
Band2	3MHz	16QAM	18900	1RB#14	21.66	22.66	33.01	PASS
Band2	3MHz	16QAM	19185	1RB#0	22.74	23.74	33.01	PASS
Band2	3MHz	16QAM	19185	15RB#0	21.70	22.7	33.01	PASS
Band2	3MHz	16QAM	19185	1RB#8	23.35	24.35	33.01	PASS
Band2	3MHz	16QAM	19185	1RB#14	21.93	22.93	33.01	PASS
Band2	5MHz	QPSK	18625	1RB#0	24.08	25.08	33.01	PASS
Band2	5MHz	QPSK	18625	25RB#0	23.01	24.01	33.01	PASS
Band2	5MHz	QPSK	18625	1RB#12	23.41	24.41	33.01	PASS
Band2	5MHz	QPSK	18625	1RB#24	23.94	24.94	33.01	PASS
Band2	5MHz	QPSK	18900	1RB#0	23.37	24.37	33.01	PASS
Band2	5MHz	QPSK	18900	25RB#0	22.89	23.89	33.01	PASS
Band2	5MHz	QPSK	18900	1RB#12	23.09	24.09	33.01	PASS
Band2	5MHz	QPSK	18900	1RB#24	23.80	24.8	33.01	PASS
Band2	5MHz	QPSK	19175	1RB#0	23.57	24.57	33.01	PASS
Band2	5MHz	QPSK	19175	25RB#0	23.28	24.28	33.01	PASS
Band2	5MHz	QPSK	19175	1RB#12	23.52	24.52	33.01	PASS
Band2	5MHz	QPSK	19175	1RB#24	24.18	25.18	33.01	PASS
Band2	5MHz	16QAM	18625	1RB#0	23.39	24.39	33.01	PASS
Band2	5MHz	16QAM	18625	25RB#0	22.06	23.06	33.01	PASS
Band2	5MHz	16QAM	18625	1RB#12	22.79	23.79	33.01	PASS
Band2	5MHz	16QAM	18625	1RB#24	23.19	24.19	33.01	PASS
Band2	5MHz	16QAM	18900	1RB#0	22.47	23.47	33.01	PASS
Band2	5MHz	16QAM	18900	25RB#0	21.85	22.85	33.01	PASS
Band2	5MHz	16QAM	18900	1RB#12	22.50	23.5	33.01	PASS
Band2	5MHz	16QAM	18900	1RB#24	22.98	23.98	33.01	PASS
Band2	5MHz	16QAM	19175	1RB#0	22.67	23.67	33.01	PASS
Band2	5MHz	16QAM	19175	25RB#0	22.00	23	33.01	PASS
Band2	5MHz	16QAM	19175	1RB#12	22.76	23.76	33.01	PASS
Band2	5MHz	16QAM	19175	1RB#24	23.38	24.38	33.01	PASS
Band2	10MHz	QPSK	18650	1RB#0	24.03	25.03	33.01	PASS
Band2	10MHz	QPSK	18650	50RB#0	23.05	24.05	33.01	PASS
Band2	10MHz	QPSK	18650	1RB#24	23.74	24.74	33.01	PASS
Band2	10MHz	QPSK	18650	1RB#49	23.64	24.64	33.01	PASS
Band2	10MHz	QPSK	18900	1RB#0	23.46	24.46	33.01	PASS
Band2	10MHz	QPSK	18900	50RB#0	22.74	23.74	33.01	PASS
Band2	10MHz	QPSK	18900	1RB#24	23.53	24.53	33.01	PASS
Band2	10MHz	QPSK	18900	1RB#49	23.83	24.83	33.01	PASS
Band2	10MHz	QPSK	19150	1RB#0	23.70	24.7	33.01	PASS

Band2	10MHz	QPSK	19150	50RB#0	23.16	24.16	33.01	PASS
Band2	10MHz	QPSK	19150	1RB#24	23.41	24.41	33.01	PASS
Band2	10MHz	QPSK	19150	1RB#49	24.28	25.28	33.01	PASS
Band2	10MHz	16QAM	18650	1RB#0	23.39	24.39	33.01	PASS
Band2	10MHz	16QAM	18650	27RB#0	21.87	22.87	33.01	PASS
Band2	10MHz	16QAM	18650	1RB#24	23.04	24.04	33.01	PASS
Band2	10MHz	16QAM	18650	1RB#49	22.68	23.68	33.01	PASS
Band2	10MHz	16QAM	18900	1RB#0	22.53	23.53	33.01	PASS
Band2	10MHz	16QAM	18900	27RB#0	21.49	22.49	33.01	PASS
Band2	10MHz	16QAM	18900	1RB#24	22.69	23.69	33.01	PASS
Band2	10MHz	16QAM	18900	1RB#49	23.17	24.17	33.01	PASS
Band2	10MHz	16QAM	19150	1RB#0	22.73	23.73	33.01	PASS
Band2	10MHz	16QAM	19150	27RB#0	21.59	22.59	33.01	PASS
Band2	10MHz	16QAM	19150	1RB#24	22.49	23.49	33.01	PASS
Band2	10MHz	16QAM	19150	1RB#49	23.42	24.42	33.01	PASS
Band2	15MHz	QPSK	18675	1RB#0	23.89	24.89	33.01	PASS
Band2	15MHz	QPSK	18675	75RB#0	23.11	24.11	33.01	PASS
Band2	15MHz	QPSK	18675	1RB#38	23.54	24.54	33.01	PASS
Band2	15MHz	QPSK	18675	1RB#74	23.61	24.61	33.01	PASS
Band2	15MHz	QPSK	18900	1RB#0	23.15	24.15	33.01	PASS
Band2	15MHz	QPSK	18900	75RB#0	22.92	23.92	33.01	PASS
Band2	15MHz	QPSK	18900	1RB#38	23.25	24.25	33.01	PASS
Band2	15MHz	QPSK	18900	1RB#74	23.63	24.63	33.01	PASS
Band2	15MHz	QPSK	19125	1RB#0	23.65	24.65	33.01	PASS
Band2	15MHz	QPSK	19125	75RB#0	23.29	24.29	33.01	PASS
Band2	15MHz	QPSK	19125	1RB#38	23.31	24.31	33.01	PASS
Band2	15MHz	QPSK	19125	1RB#74	24.07	25.07	33.01	PASS
Band2	15MHz	16QAM	18675	1RB#0	23.22	24.22	33.01	PASS
Band2	15MHz	16QAM	18675	27RB#0	21.96	22.96	33.01	PASS
Band2	15MHz	16QAM	18675	1RB#38	19.95	20.95	33.01	PASS
Band2	15MHz	16QAM	18675	1RB#74	22.11	23.11	33.01	PASS
Band2	15MHz	16QAM	18900	1RB#0	23.06	24.06	33.01	PASS
Band2	15MHz	16QAM	18900	27RB#0	21.45	22.45	33.01	PASS
Band2	15MHz	16QAM	18900	1RB#38	22.83	23.83	33.01	PASS
Band2	15MHz	16QAM	18900	1RB#74	22.59	23.59	33.01	PASS
Band2	15MHz	16QAM	19125	1RB#0	22.46	23.46	33.01	PASS
Band2	15MHz	16QAM	19125	27RB#0	22.00	23	33.01	PASS
Band2	15MHz	16QAM	19125	1RB#38	22.74	23.74	33.01	PASS
Band2	15MHz	16QAM	19125	1RB#74	23.24	24.24	33.01	PASS
Band2	20MHz	QPSK	18700	1RB#0	24.12	25.12	33.01	PASS
Band2	20MHz	QPSK	18700	100RB#0	23.07	24.07	33.01	PASS
Band2	20MHz	QPSK	18700	1RB#49	23.81	24.81	33.01	PASS
Band2	20MHz	QPSK	18700	1RB#99	23.53	24.53	33.01	PASS
Band2	20MHz	QPSK	18900	1RB#0	23.03	24.03	33.01	PASS
Band2	20MHz	QPSK	18900	100RB#0	22.85	23.85	33.01	PASS

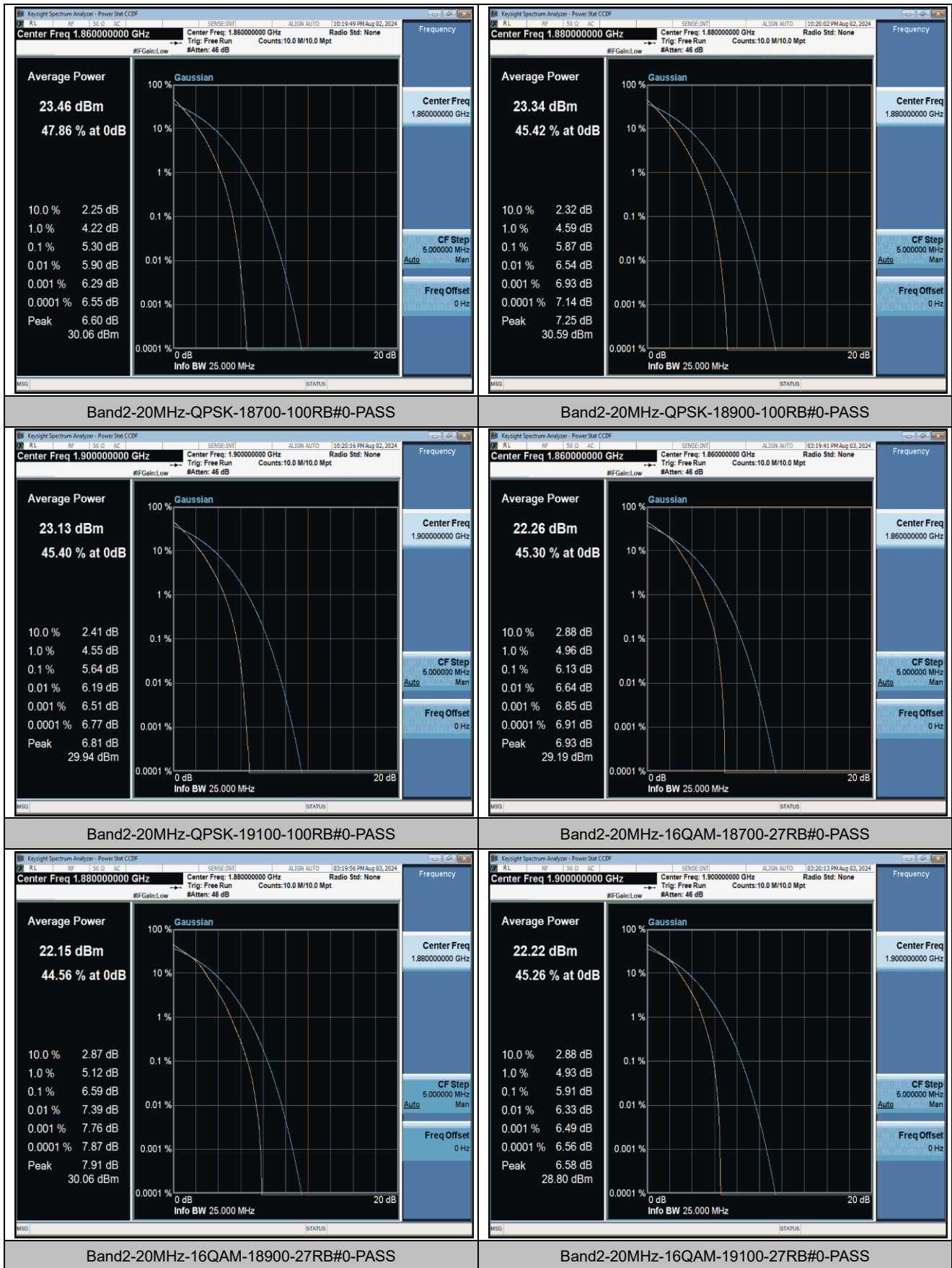
Band2	20MHz	QPSK	18900	1RB#49	23.46	24.46	33.01	PASS
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Band2	20MHz	QPSK	19100	1RB#0	23.53	24.53	33.01	PASS
Band2	20MHz	QPSK	19100	100RB#0	23.15	24.15	33.01	PASS
Band2	20MHz	QPSK	19100	1RB#49	23.50	24.5	33.01	PASS
Band2	20MHz	QPSK	19100	1RB#99	23.68	24.68	33.01	PASS
Band2	20MHz	16QAM	18700	1RB#0	23.24	24.24	33.01	PASS
Band2	20MHz	16QAM	18700	27RB#0	18.48	19.48	33.01	PASS
Band2	20MHz	16QAM	18700	1RB#49	22.93	23.93	33.01	PASS
Band2	20MHz	16QAM	18700	1RB#99	22.57	23.57	33.01	PASS
Band2	20MHz	16QAM	18900	1RB#0	22.26	23.26	33.01	PASS
Band2	20MHz	16QAM	18900	27RB#0	21.45	22.45	33.01	PASS
Band2	20MHz	16QAM	18900	1RB#49	22.68	23.68	33.01	PASS
Band2	20MHz	16QAM	18900	1RB#99	23.01	24.01	33.01	PASS
Band2	20MHz	16QAM	19100	1RB#0	22.98	23.98	33.01	PASS
Band2	20MHz	16QAM	19100	27RB#0	22.09	23.09	33.01	PASS
Band2	20MHz	16QAM	19100	1RB#49	22.90	23.9	33.01	PASS
Band2	20MHz	16QAM	19100	1RB#99	22.82	23.82	33.01	PASS

Peak-to-Average Ratio(CCDF)

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dB)	Limit (dB)	Verdict
Band2	20MHz	QPSK	18700	100RB#0	5.30	13	PASS
Band2	20MHz	QPSK	18900	100RB#0	5.87	13	PASS
Band2	20MHz	QPSK	19100	100RB#0	5.64	13	PASS
Band2	20MHz	16QAM	18700	27RB#0	6.13	13	PASS
Band2	20MHz	16QAM	18900	27RB#0	6.59	13	PASS
Band2	20MHz	16QAM	19100	27RB#0	5.91	13	PASS

Test Graphs

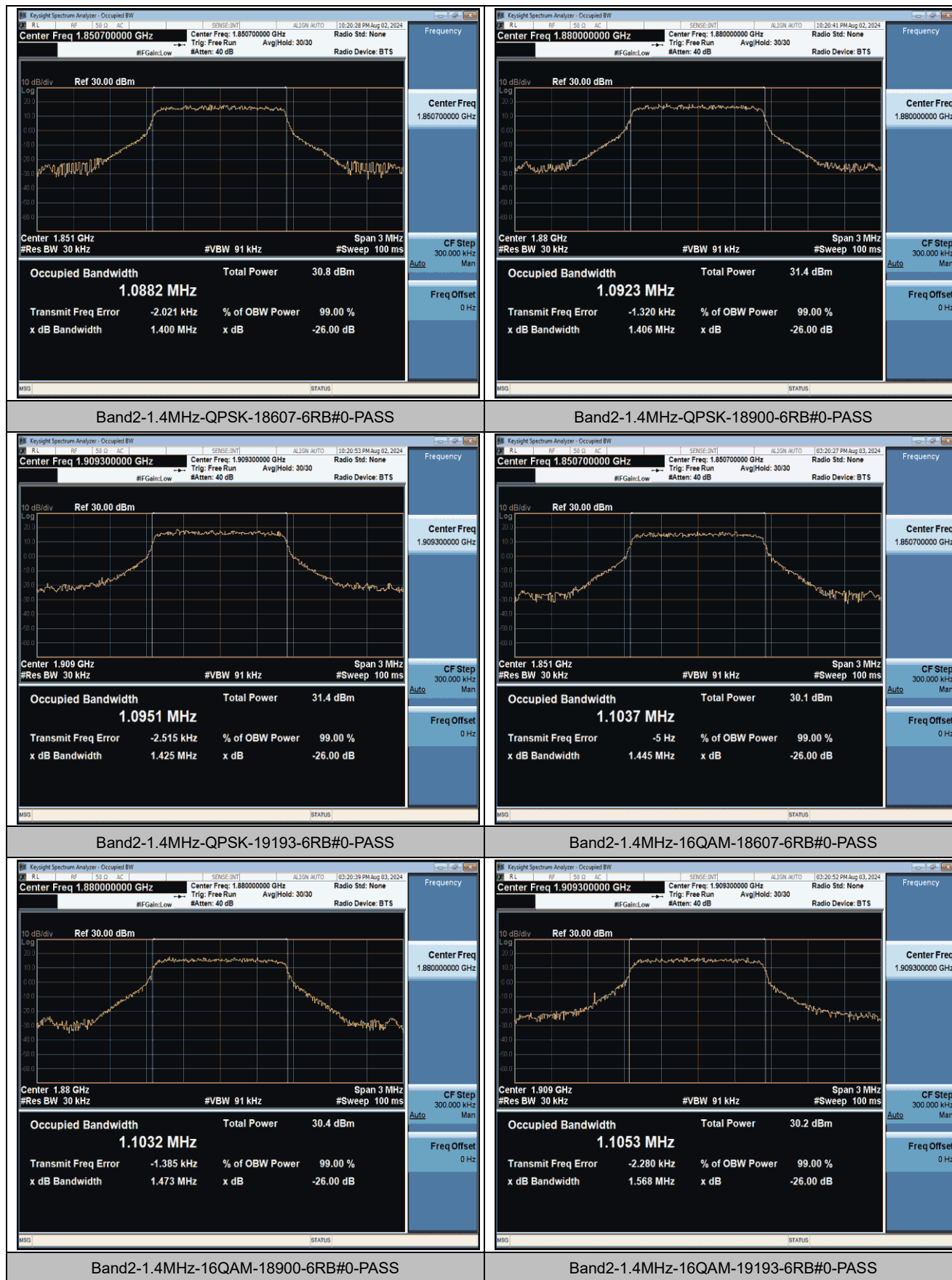


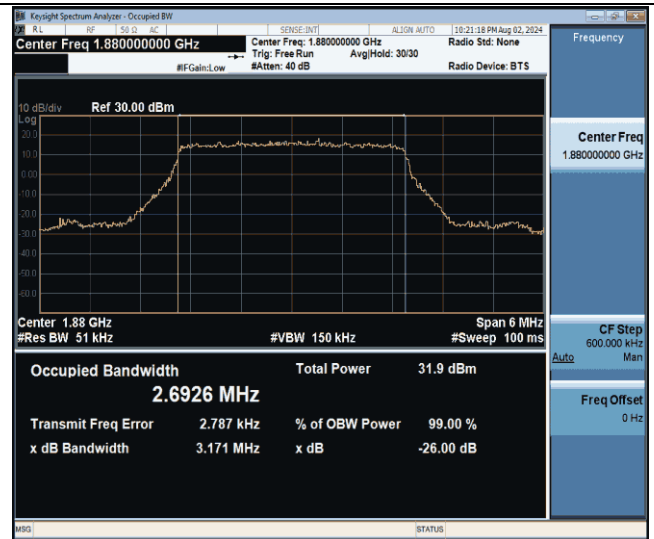
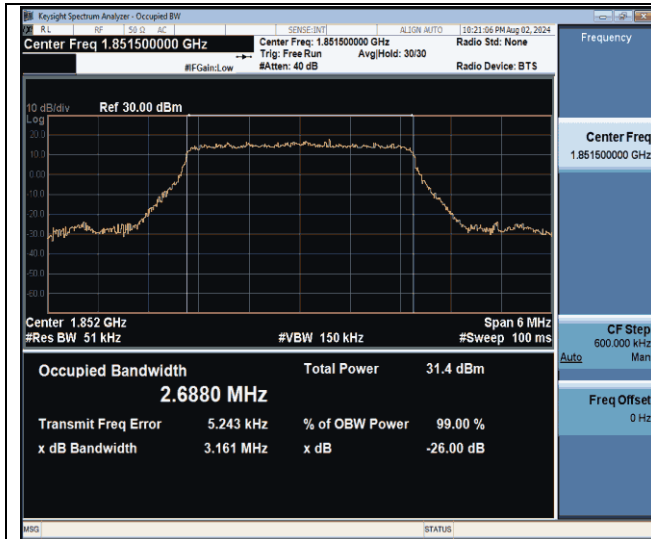
26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	OBW (MHz)	26dB EBW (MHz)	Verdict
Band2	1.4MHz	QPSK	18607	6RB#0	1.0882	1.400	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	1.0923	1.406	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	1.0951	1.425	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	1.1037	1.445	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	1.1032	1.473	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	1.1053	1.568	PASS
Band2	3MHz	QPSK	18615	15RB#0	2.6880	3.161	PASS
Band2	3MHz	QPSK	18900	15RB#0	2.6926	3.171	PASS
Band2	3MHz	QPSK	19185	15RB#0	2.6832	3.123	PASS
Band2	3MHz	16QAM	18615	15RB#0	2.6822	3.142	PASS
Band2	3MHz	16QAM	18900	15RB#0	2.6854	3.154	PASS
Band2	3MHz	16QAM	19185	15RB#0	2.6841	3.173	PASS
Band2	5MHz	QPSK	18625	25RB#0	4.4804	5.054	PASS
Band2	5MHz	QPSK	18900	25RB#0	4.4760	5.079	PASS
Band2	5MHz	QPSK	19175	25RB#0	4.4776	5.101	PASS
Band2	5MHz	16QAM	18625	25RB#0	4.4726	5.073	PASS
Band2	5MHz	16QAM	18900	25RB#0	4.4757	5.065	PASS
Band2	5MHz	16QAM	19175	25RB#0	4.4779	5.080	PASS
Band2	10MHz	QPSK	18650	50RB#0	8.9276	9.661	PASS
Band2	10MHz	QPSK	18900	50RB#0	8.9318	9.693	PASS
Band2	10MHz	QPSK	19150	50RB#0	8.9284	9.733	PASS
Band2	10MHz	16QAM	18650	27RB#0	5.2652	8.950	PASS
Band2	10MHz	16QAM	18900	27RB#0	5.2398	8.347	PASS
Band2	10MHz	16QAM	19150	27RB#0	5.3574	9.121	PASS
Band2	15MHz	QPSK	18675	75RB#0	13.562	16.44	PASS
Band2	15MHz	QPSK	18900	75RB#0	13.556	16.41	PASS
Band2	15MHz	QPSK	19125	75RB#0	13.579	16.67	PASS
Band2	15MHz	16QAM	18675	27RB#0	6.1302	12.97	PASS
Band2	15MHz	16QAM	18900	27RB#0	6.0037	8.877	PASS
Band2	15MHz	16QAM	19125	27RB#0	5.6452	8.162	PASS
Band2	20MHz	QPSK	18700	100RB#0	17.971	21.01	PASS
Band2	20MHz	QPSK	18900	100RB#0	18.018	21.16	PASS
Band2	20MHz	QPSK	19100	100RB#0	18.050	21.25	PASS
Band2	20MHz	16QAM	18700	27RB#0	7.6239	11.66	PASS
Band2	20MHz	16QAM	18900	27RB#0	7.3604	10.15	PASS
Band2	20MHz	16QAM	19100	27RB#0	6.3923	9.440	PASS

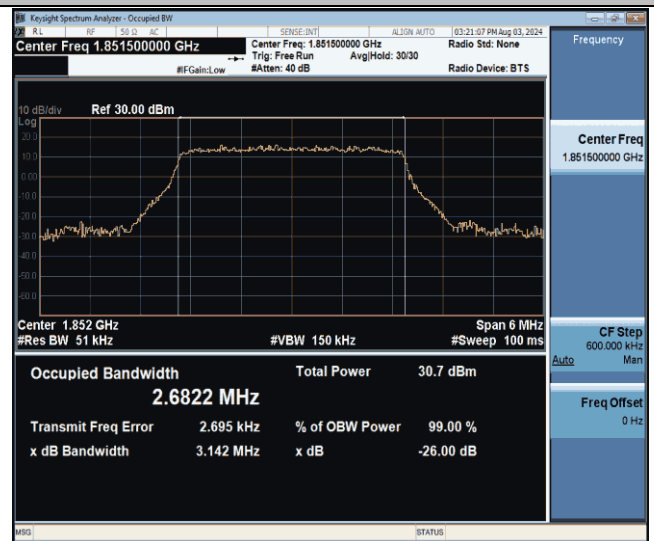
Test Graphs





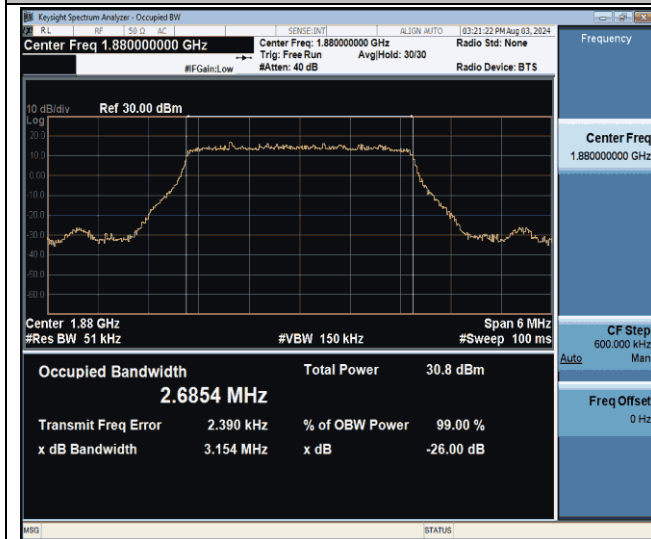
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Band2-3MHz-QPSK-18900-15RB#0-PASS



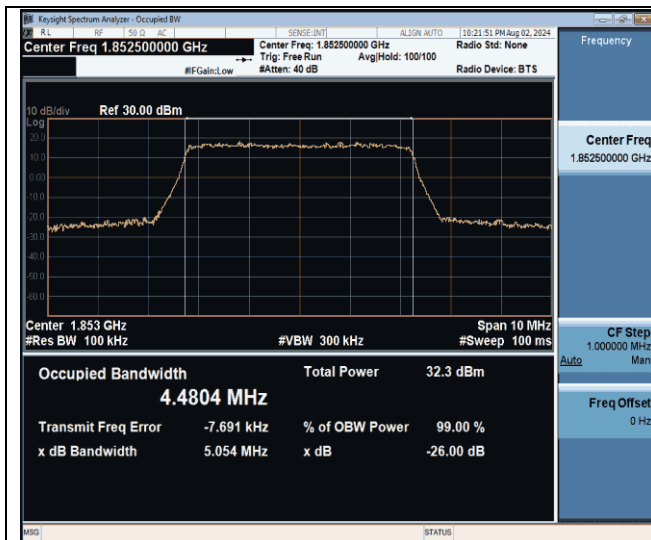
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Band2-3MHz-16QAM-18615-15RB#0-PASS



Band2-3MHz-16QAM-18900-15RB#0-PASS

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



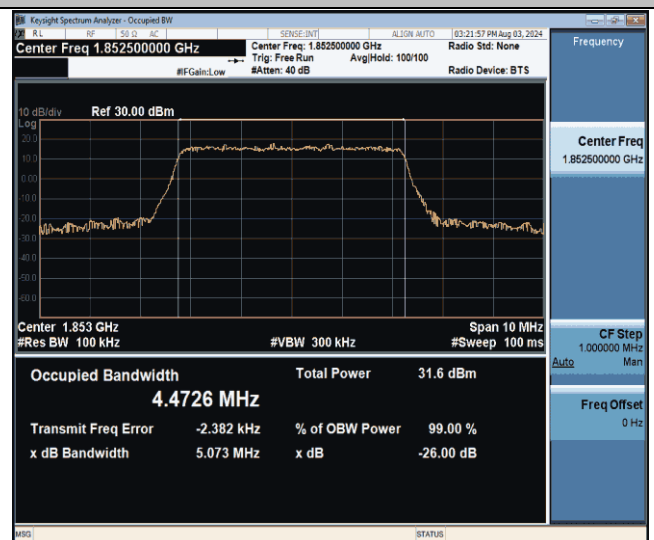
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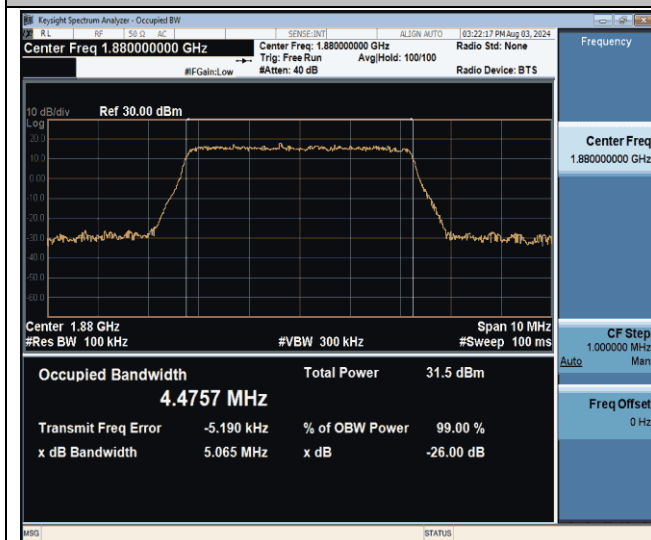
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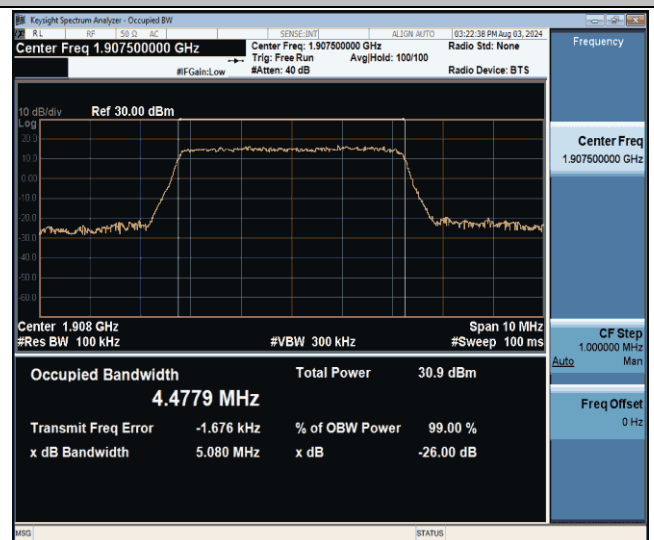
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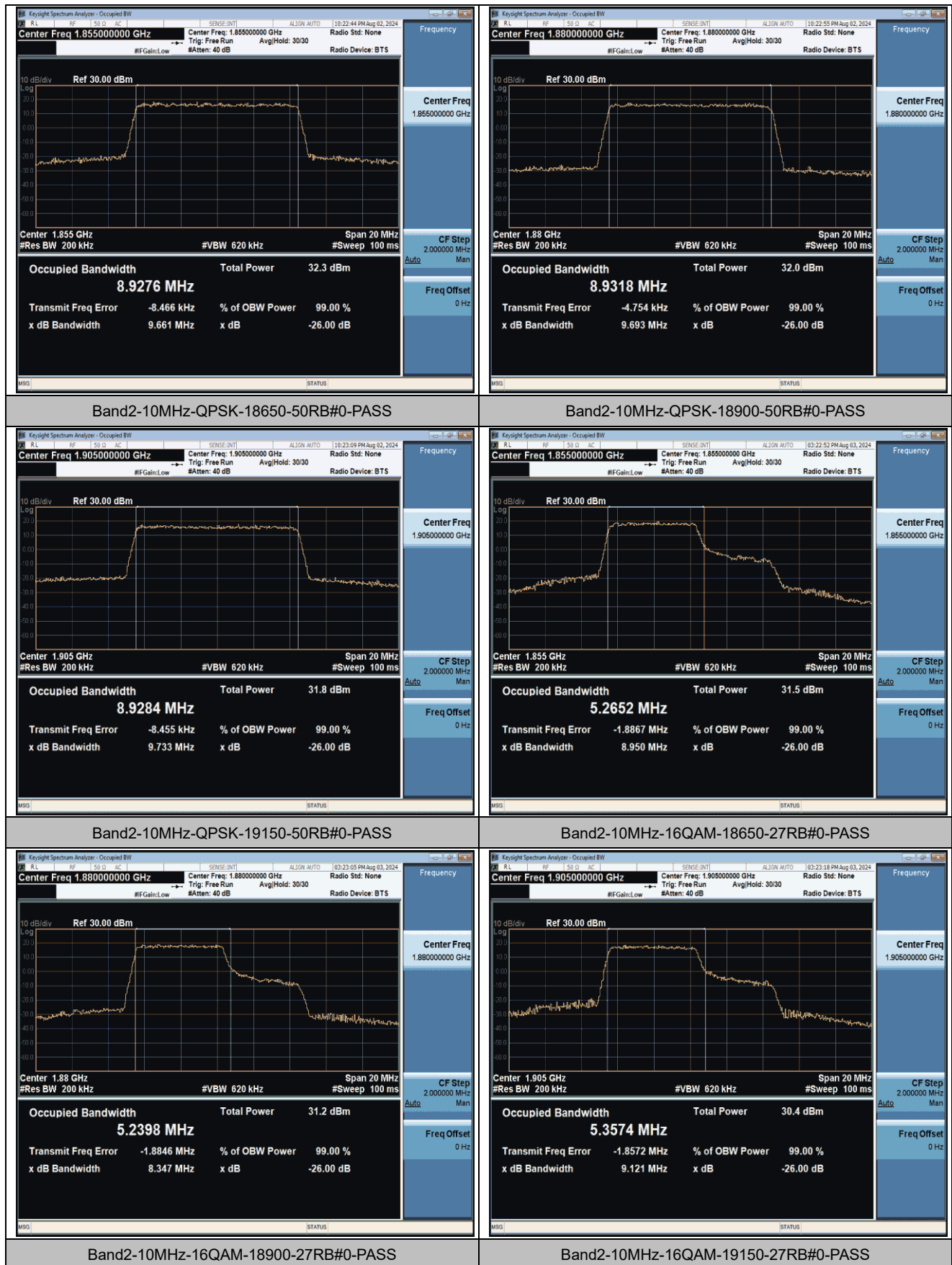
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Band2-5MHz-16QAM-18900-25RB#0-PASS



Band2-5MHz-16QAM-19175-25RB#0-PASS

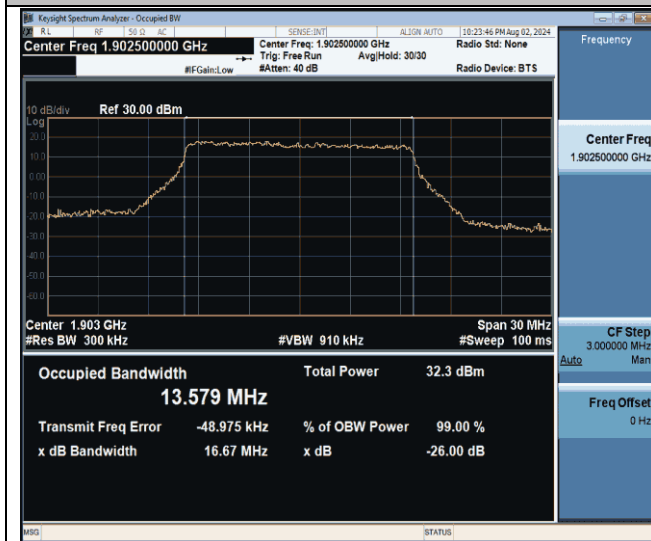




Band2-15MHz-QPSK-18675-75RB#0-PASS



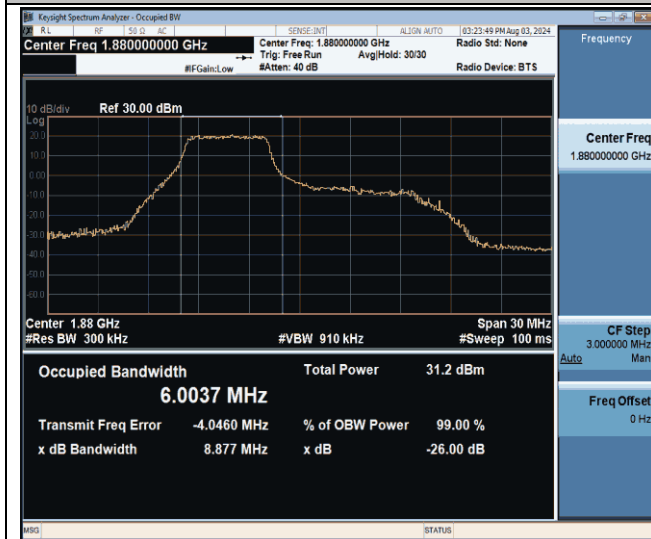
Band2-15MHz-QPSK-18900-75RB#0-PASS



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



Band2-15MHz-16QAM-18675-27RB#0-PASS



Band2-15MHz-16QAM-18900-27RB#0-PASS



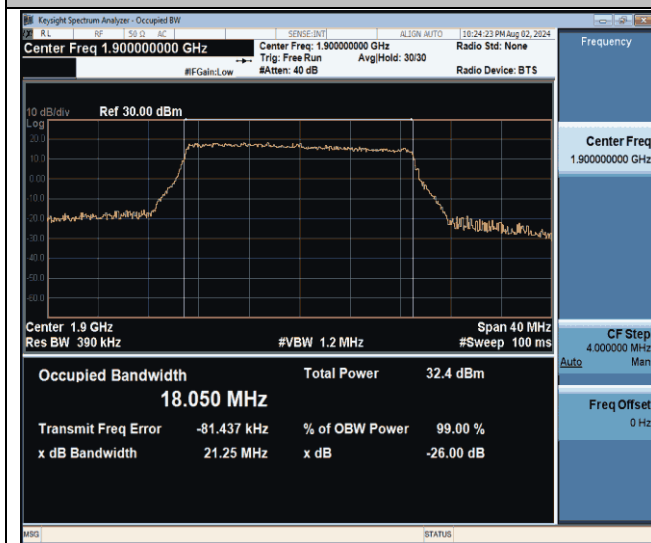
Band2-15MHz-16QAM-19125-27RB#0-PASS



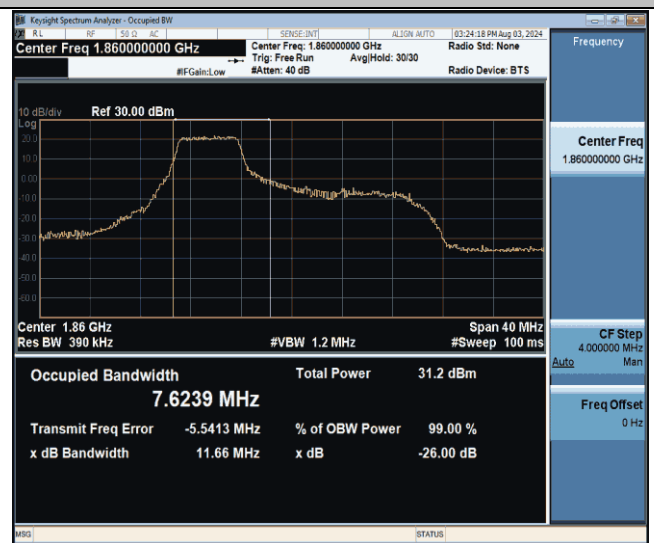
Band2-20MHz-QPSK-18700-100RB#0-PASS



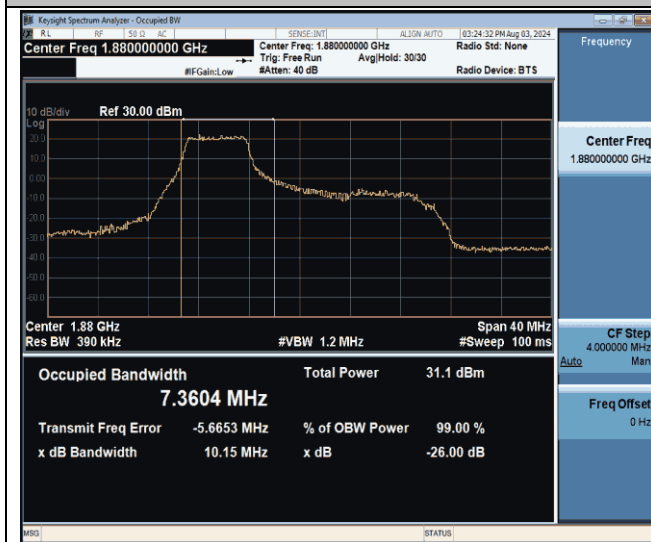
Band2-20MHz-QPSK-18900-100RB#0-PASS



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



Band2-20MHz-16QAM-18700-27RB#0-PASS



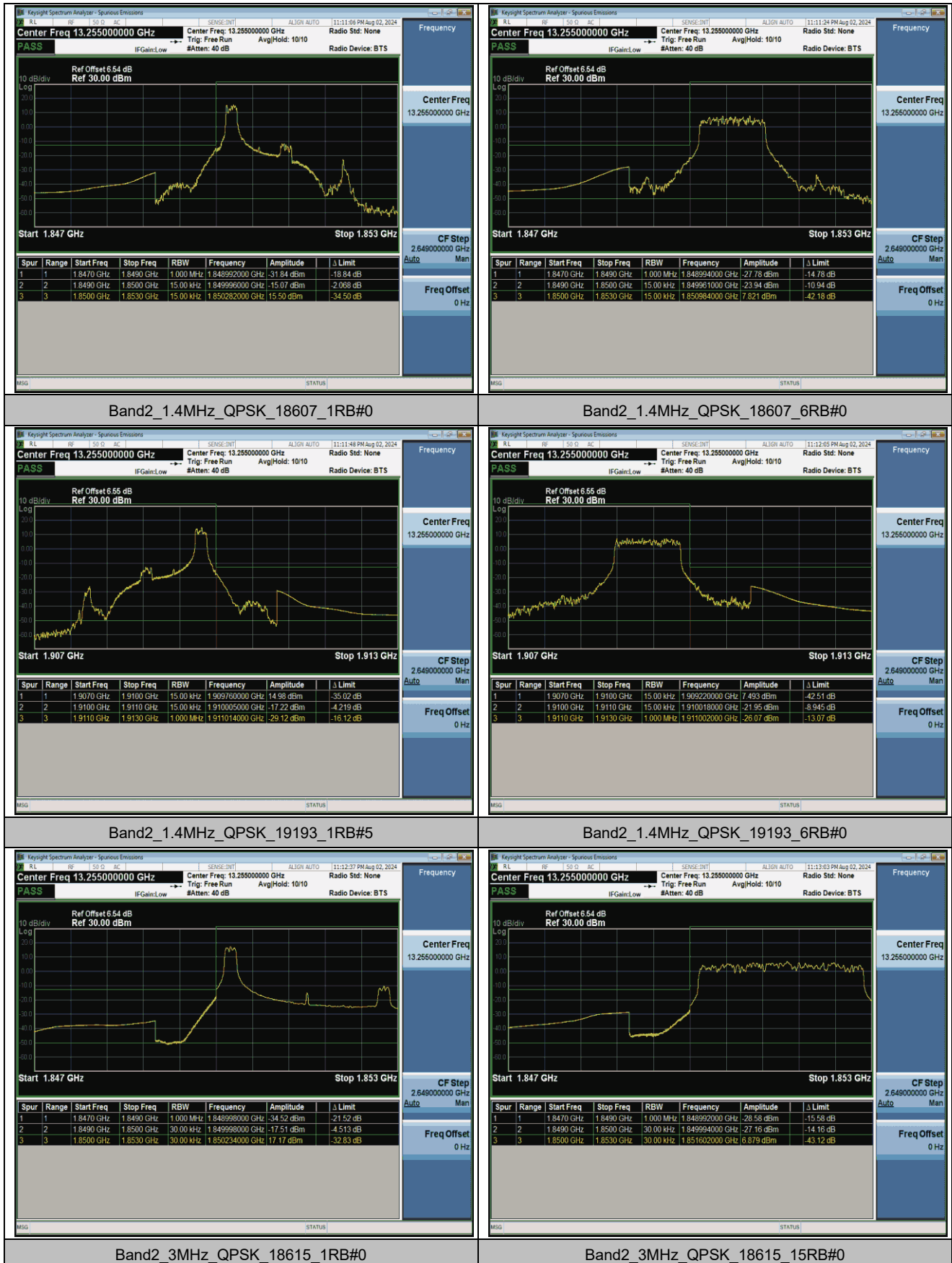
Band2-20MHz-16QAM-18900-27RB#0-PASS



Band2-20MHz-16QAM-19100-27RB#0-PASS

Band Edge

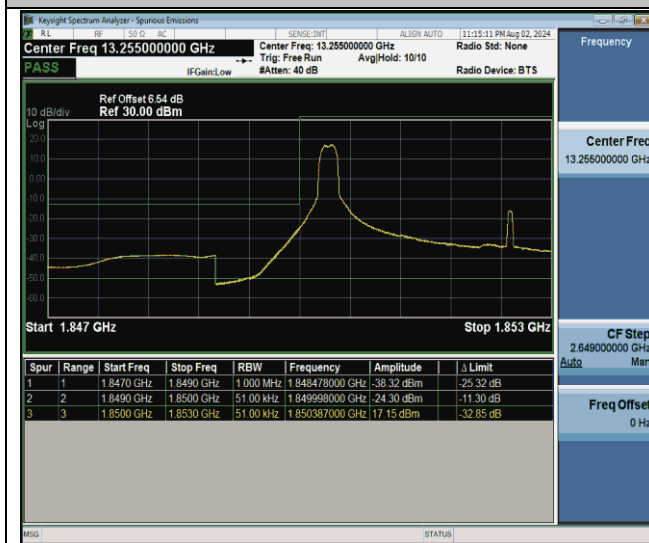
Test Graphs





Band2_3MHz_QPSK_19185_1RB#14

Band2_3MHz_QPSK_19185_15RB#0



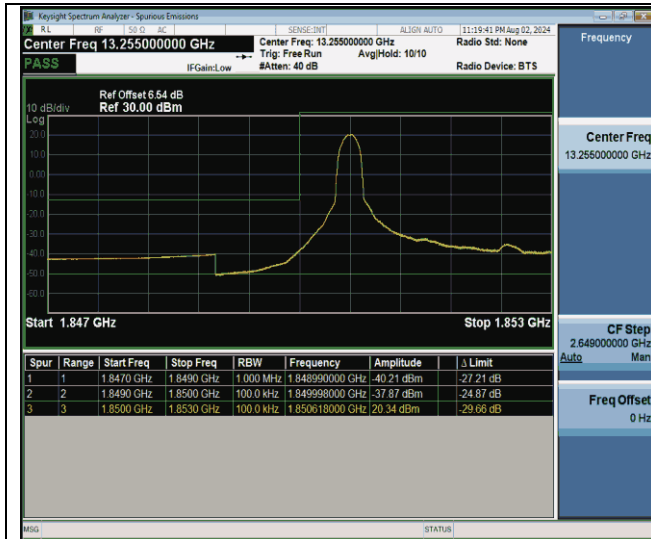
Band2_5MHz_QPSK_18625_1RB#0

Band2_5MHz_QPSK_18625_25RB#0



Band2_5MHz_QPSK_19175_1RB#24

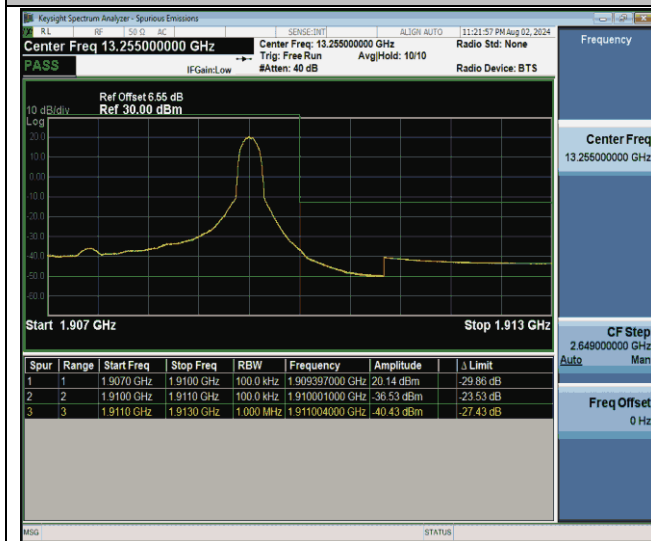
Band2_5MHz_QPSK_19175_25RB#0



Band2_10MHz_QPSK_18650_1RB#0



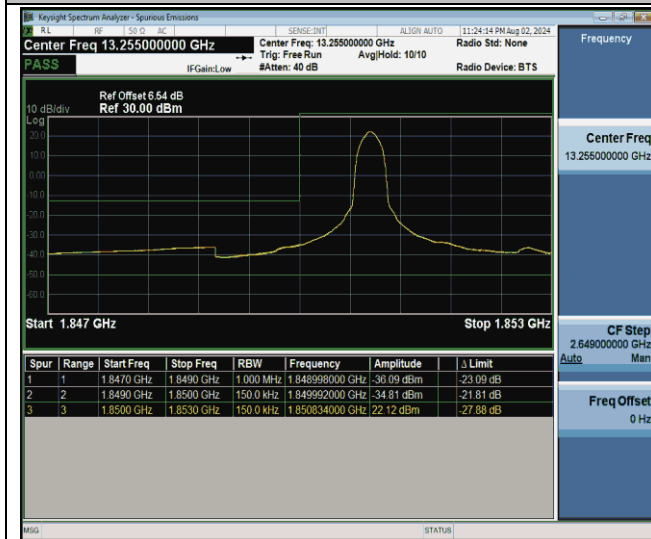
Band2_10MHz_QPSK_18650_50RB#0



Band2_10MHz_QPSK_19150_1RB#49



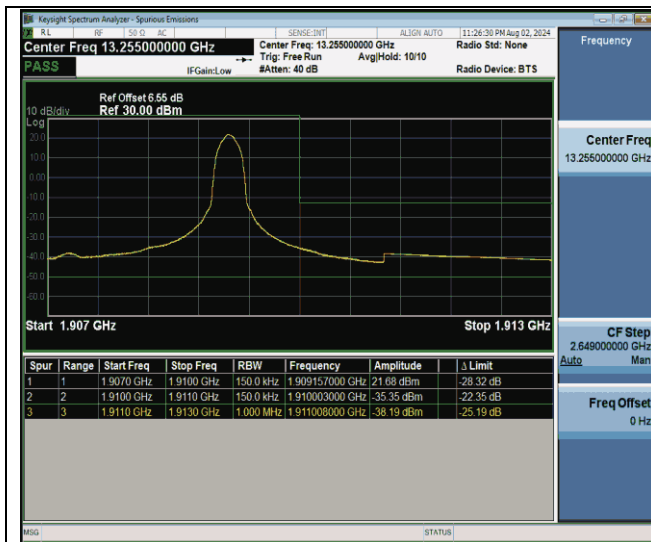
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Band2_15MHz_QPSK_18675_1RB#0



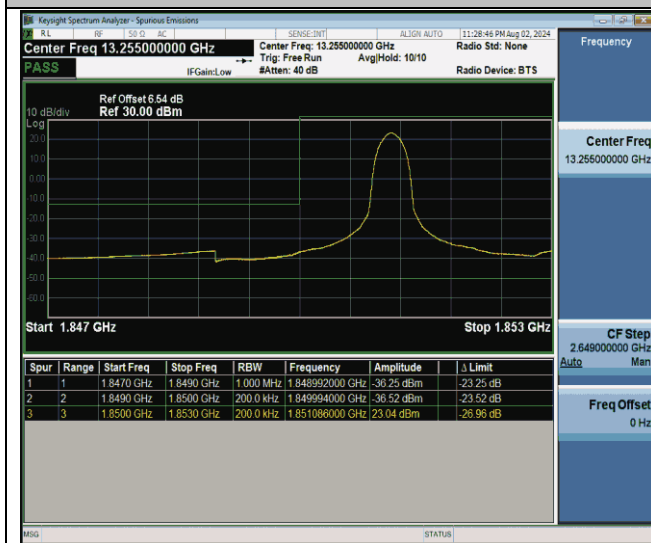
Band2_15MHz_QPSK_18675_75RB#0



Band2_15MHz_QPSK_19125_1RB#74



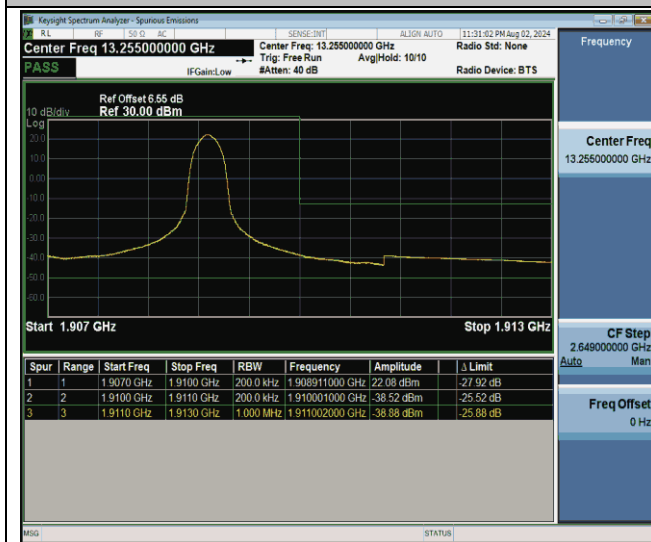
Band2_15MHz_QPSK_19125_75RB#0



Band2_20MHz_QPSK_18700_1RB#0



Band2_20MHz_QPSK_18700_100RB#0



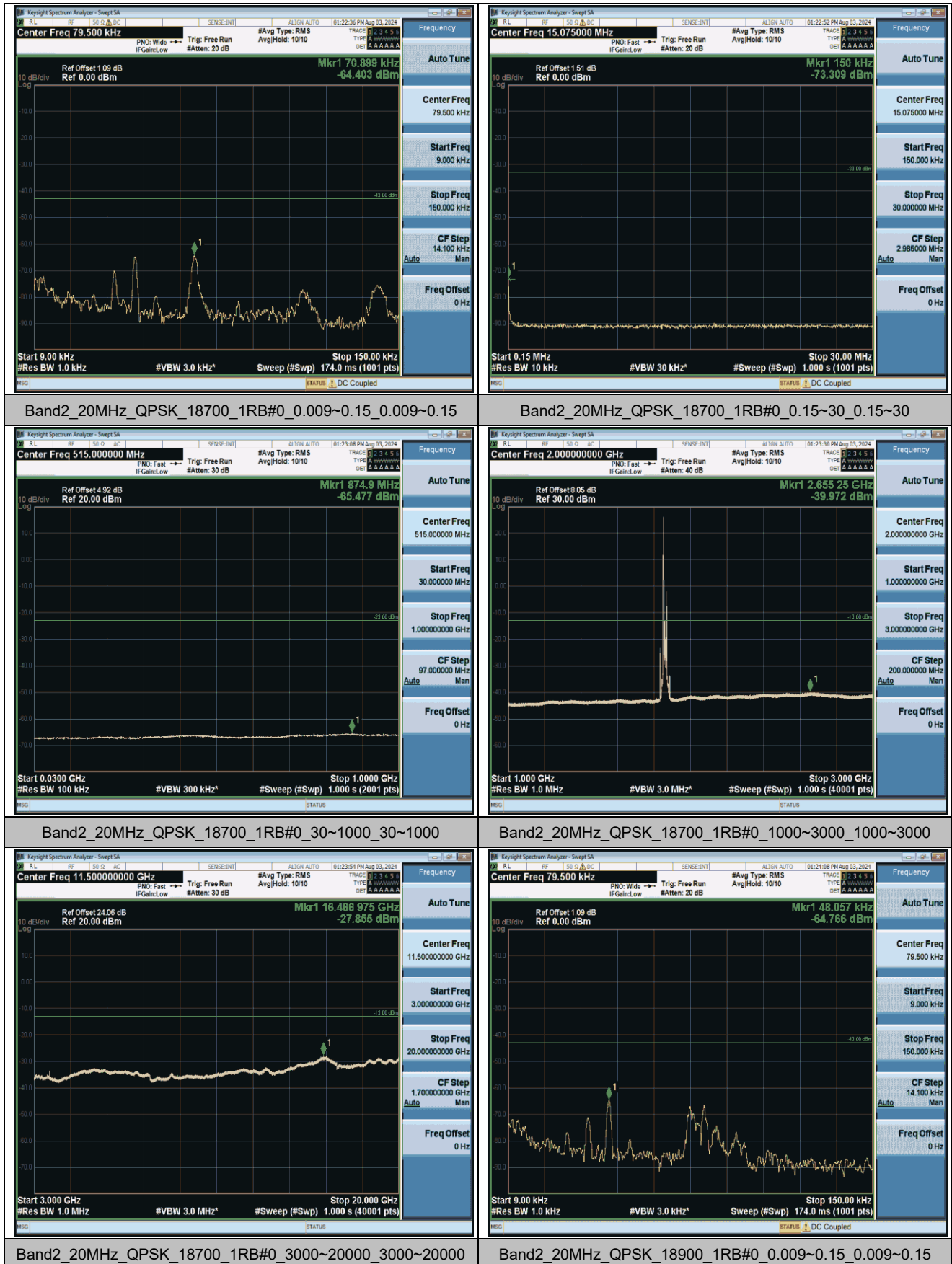
Band2_20MHz_QPSK_19100_1RB#99

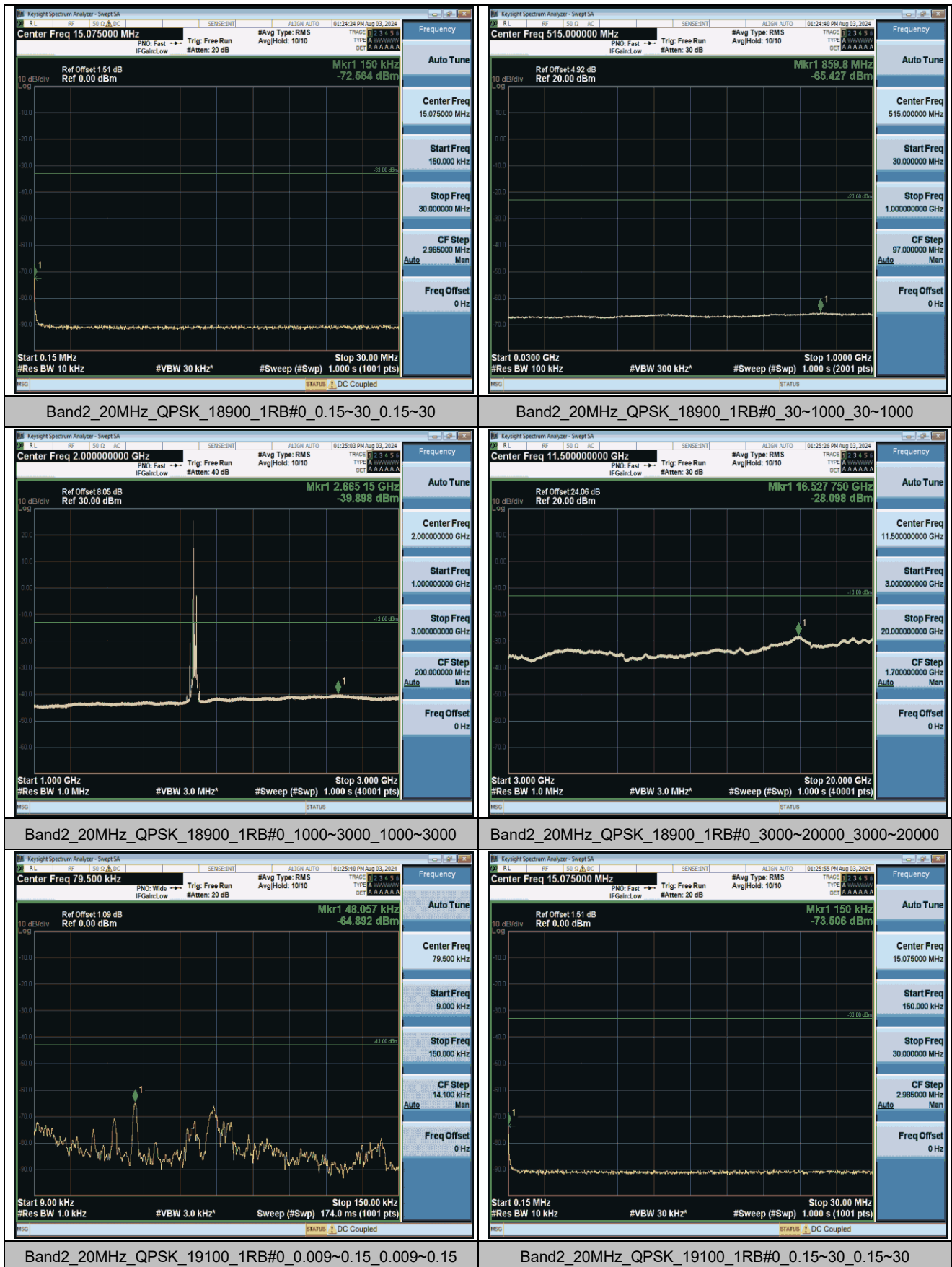


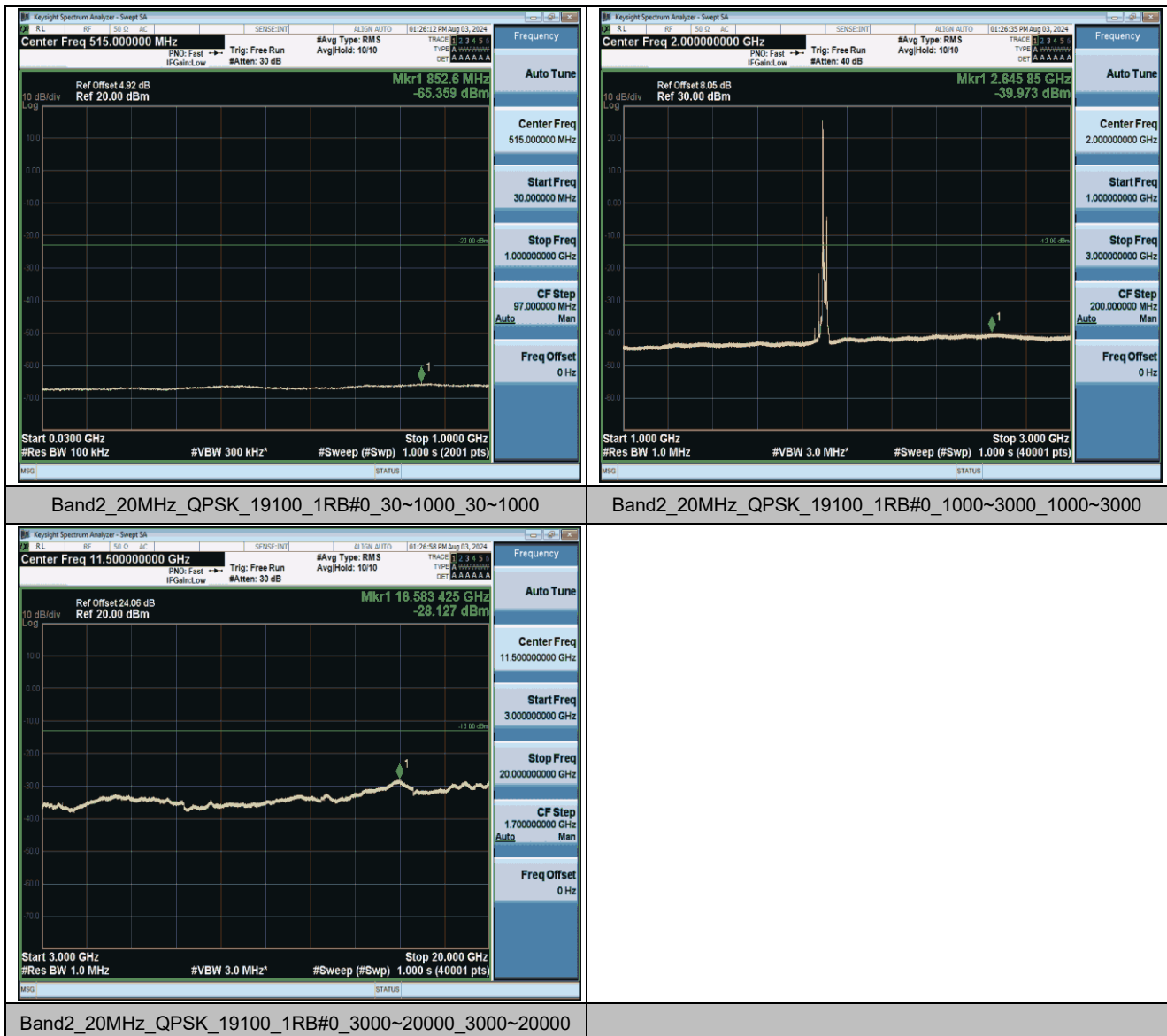
Band2_20MHz_QPSK_19100_100RB#0

Conducted Spurious Emission

Test Graphs







Frequency Stability

Test Result

Voltage									
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band2	20MHz	QPSK	18900	100RB#0	VN	NT	-17.35	-0.009229	PASS
Band2	20MHz	QPSK	18900	100RB#0	VL	NT	-9.41	-0.005005	PASS
Band2	20MHz	QPSK	18900	100RB#0	VH	NT	11.00	0.005851	PASS

Temperature									
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band2	20MHz	QPSK	18900	100RB#0	NV	-30	-13.25	-0.007048	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	-20	-8.70	-0.004628	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	-10	-6.92	-0.003681	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	0	-10.24	-0.005447	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	10	8.84	0.004702	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	20	-9.18	-0.004883	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	30	-14.22	-0.007564	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	40	-6.62	-0.003521	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	50	-8.71	-0.004633	PASS