

Appendix for LTE Band 30

Product Name: Tablet

Model No: MDT880

Appendix A: Average Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band30	5MHz	QPSK	27685	1RB#0	22.87	PASS
Band30	5MHz	QPSK	27685	1RB#12	22.90	PASS
Band30	5MHz	QPSK	27685	1RB#24	22.86	PASS
Band30	5MHz	QPSK	27685	12RB#0	21.48	PASS
Band30	5MHz	QPSK	27685	12RB#6	21.40	PASS
Band30	5MHz	QPSK	27685	12RB#13	21.46	PASS
Band30	5MHz	QPSK	27685	25RB#0	20.88	PASS
Band30	5MHz	16QAM	27685	1RB#0	21.92	PASS
Band30	5MHz	16QAM	27685	1RB#12	22.21	PASS
Band30	5MHz	16QAM	27685	1RB#24	22.05	PASS
Band30	5MHz	16QAM	27685	12RB#0	20.57	PASS
Band30	5MHz	16QAM	27685	12RB#6	20.60	PASS
Band30	5MHz	16QAM	27685	12RB#13	20.56	PASS
Band30	5MHz	16QAM	27685	25RB#0	19.96	PASS
Band30	5MHz	QPSK	27710	1RB#0	22.86	PASS
Band30	5MHz	QPSK	27710	1RB#12	23.10	PASS
Band30	5MHz	QPSK	27710	1RB#24	22.91	PASS
Band30	5MHz	QPSK	27710	12RB#0	21.38	PASS
Band30	5MHz	QPSK	27710	12RB#6	21.44	PASS
Band30	5MHz	QPSK	27710	12RB#13	21.38	PASS
Band30	5MHz	QPSK	27710	25RB#0	20.89	PASS
Band30	5MHz	16QAM	27710	1RB#0	21.98	PASS
Band30	5MHz	16QAM	27710	1RB#12	22.34	PASS
Band30	5MHz	16QAM	27710	1RB#24	22.03	PASS
Band30	5MHz	16QAM	27710	12RB#0	20.58	PASS
Band30	5MHz	16QAM	27710	12RB#6	20.48	PASS
Band30	5MHz	16QAM	27710	12RB#13	20.54	PASS
Band30	5MHz	16QAM	27710	25RB#0	19.95	PASS
Band30	5MHz	QPSK	27735	1RB#0	22.92	PASS
Band30	5MHz	QPSK	27735	1RB#12	22.97	PASS
Band30	5MHz	QPSK	27735	1RB#24	23.06	PASS
Band30	5MHz	QPSK	27735	12RB#0	21.36	PASS
Band30	5MHz	QPSK	27735	12RB#6	21.34	PASS
Band30	5MHz	QPSK	27735	12RB#13	21.39	PASS
Band30	5MHz	QPSK	27735	25RB#0	20.83	PASS
Band30	5MHz	16QAM	27735	1RB#0	22.07	PASS

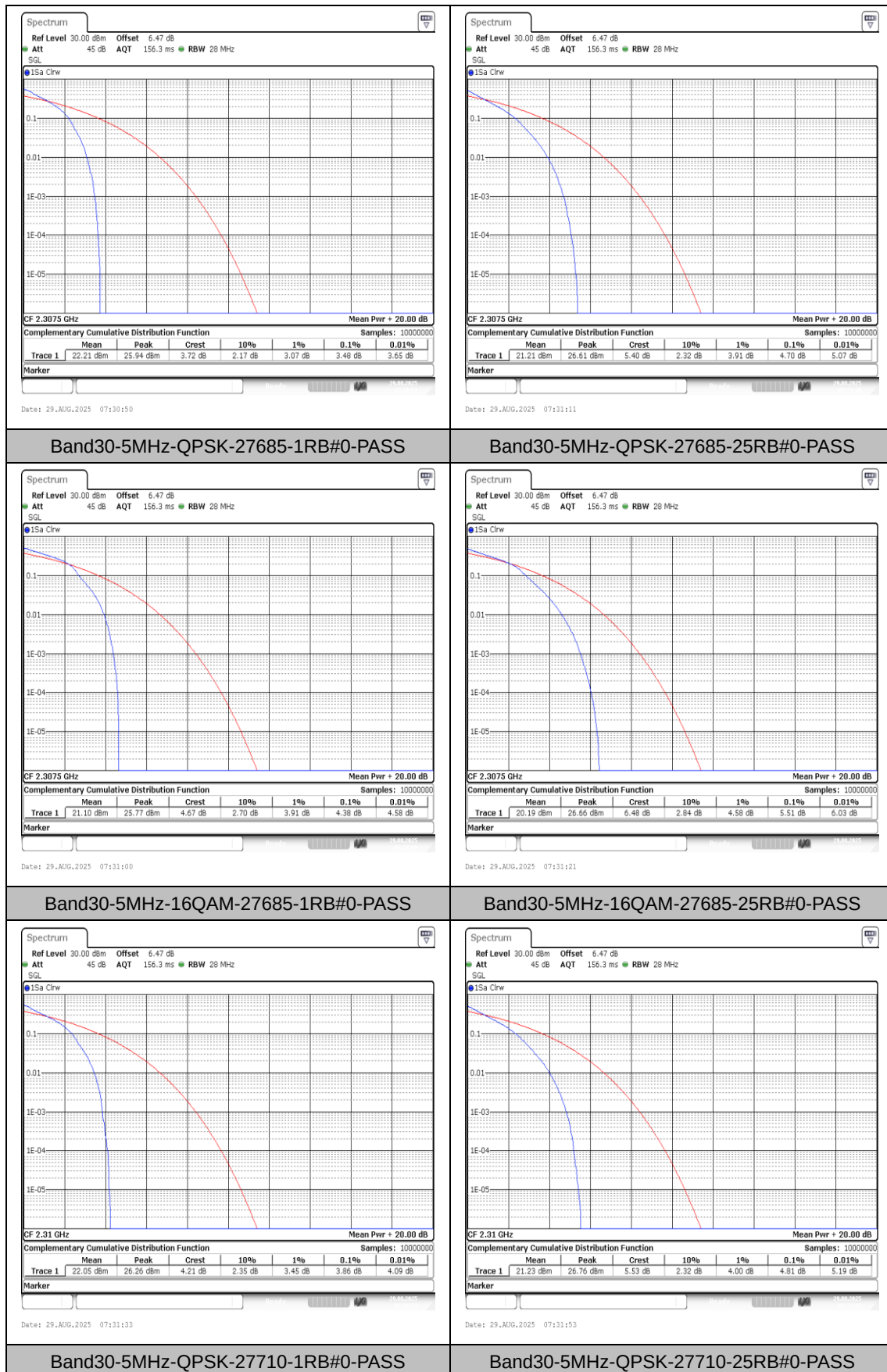
Band30	5MHz	16QAM	27735	1RB#12	22.48	PASS
Band30	5MHz	16QAM	27735	1RB#24	22.01	PASS
Band30	5MHz	16QAM	27735	12RB#0	20.54	PASS
Band30	5MHz	16QAM	27735	12RB#6	20.57	PASS
Band30	5MHz	16QAM	27735	12RB#13	20.51	PASS
Band30	5MHz	16QAM	27735	25RB#0	19.92	PASS
Band30	10MHz	QPSK	27710	1RB#0	22.93	PASS
Band30	10MHz	QPSK	27710	1RB#24	22.85	PASS
Band30	10MHz	QPSK	27710	1RB#49	23.15	PASS
Band30	10MHz	QPSK	27710	25RB#0	20.73	PASS
Band30	10MHz	QPSK	27710	25RB#12	20.81	PASS
Band30	10MHz	QPSK	27710	25RB#25	20.83	PASS
Band30	10MHz	QPSK	27710	50RB#0	19.24	PASS
Band30	10MHz	16QAM	27710	1RB#0	22.03	PASS
Band30	10MHz	16QAM	27710	1RB#24	21.84	PASS
Band30	10MHz	16QAM	27710	1RB#49	22.10	PASS
Band30	10MHz	16QAM	27710	25RB#0	19.87	PASS
Band30	10MHz	16QAM	27710	25RB#12	19.89	PASS
Band30	10MHz	16QAM	27710	25RB#25	19.95	PASS
Band30	10MHz	16QAM	27710	50RB#0	18.26	PASS

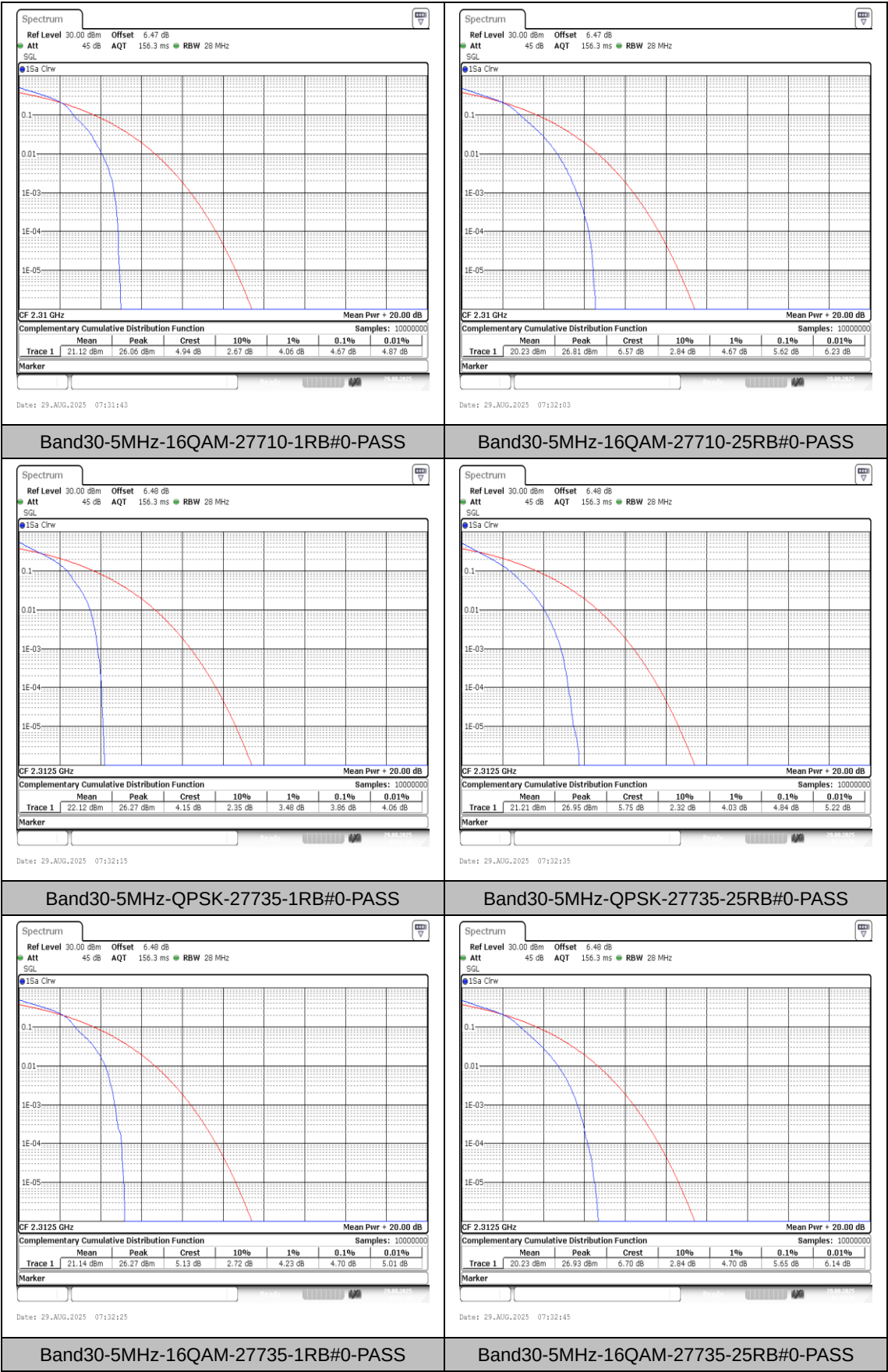
Appendix B: Peak-to-Average Ratio(CCDF)

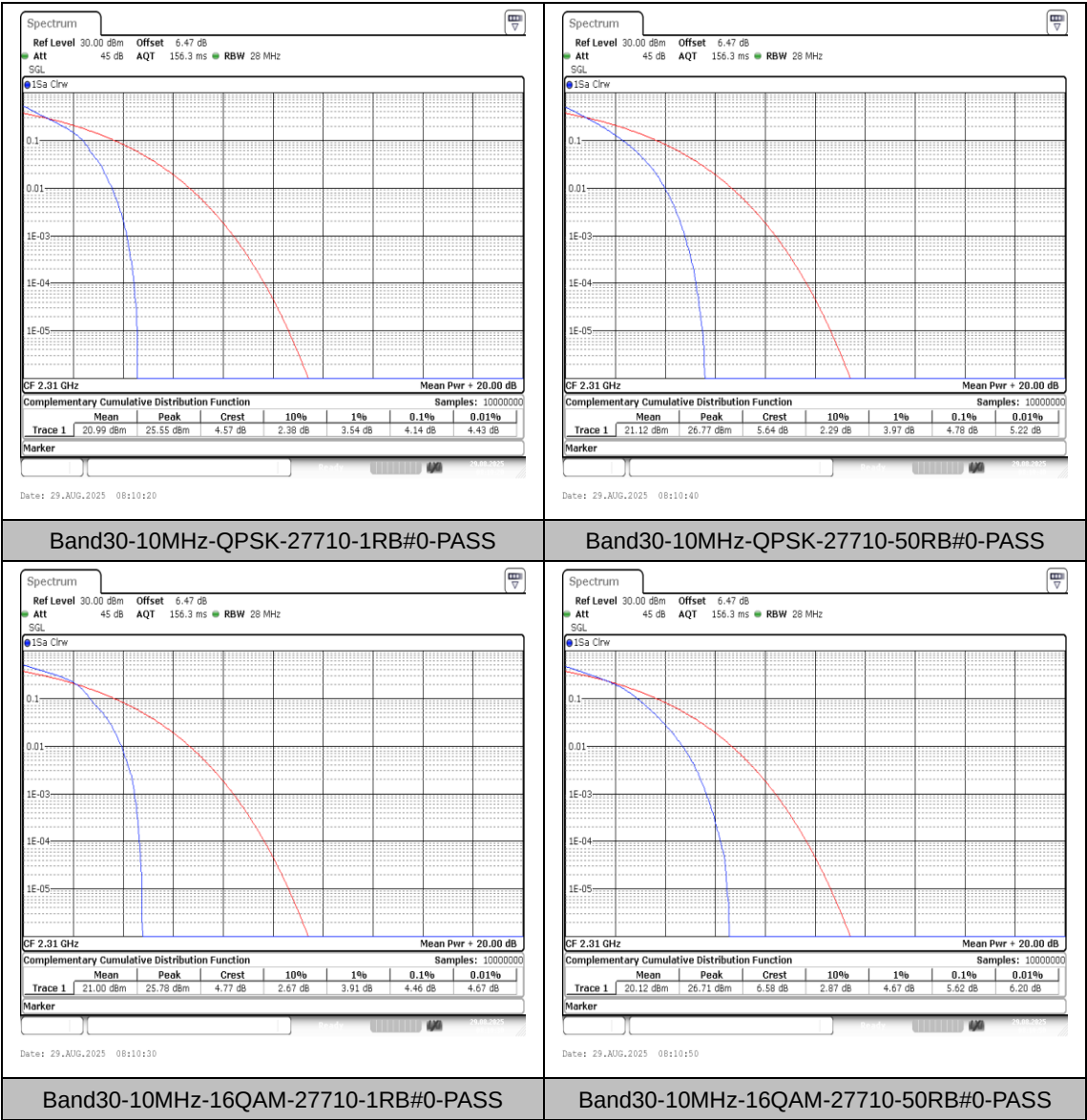
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band30	5MHz	QPSK	27685	1RB#0	3.48	13	PASS
Band30	5MHz	QPSK	27685	25RB#0	4.70	13	PASS
Band30	5MHz	16QAM	27685	1RB#0	4.38	13	PASS
Band30	5MHz	16QAM	27685	25RB#0	5.51	13	PASS
Band30	5MHz	QPSK	27710	1RB#0	3.86	13	PASS
Band30	5MHz	QPSK	27710	25RB#0	4.81	13	PASS
Band30	5MHz	16QAM	27710	1RB#0	4.67	13	PASS
Band30	5MHz	16QAM	27710	25RB#0	5.62	13	PASS
Band30	5MHz	QPSK	27735	1RB#0	3.86	13	PASS
Band30	5MHz	QPSK	27735	25RB#0	4.84	13	PASS
Band30	5MHz	16QAM	27735	1RB#0	4.70	13	PASS
Band30	5MHz	16QAM	27735	25RB#0	5.65	13	PASS
Band30	10MHz	QPSK	27710	1RB#0	4.14	13	PASS
Band30	10MHz	QPSK	27710	50RB#0	4.78	13	PASS
Band30	10MHz	16QAM	27710	1RB#0	4.46	13	PASS
Band30	10MHz	16QAM	27710	50RB#0	5.62	13	PASS

Test Graphs





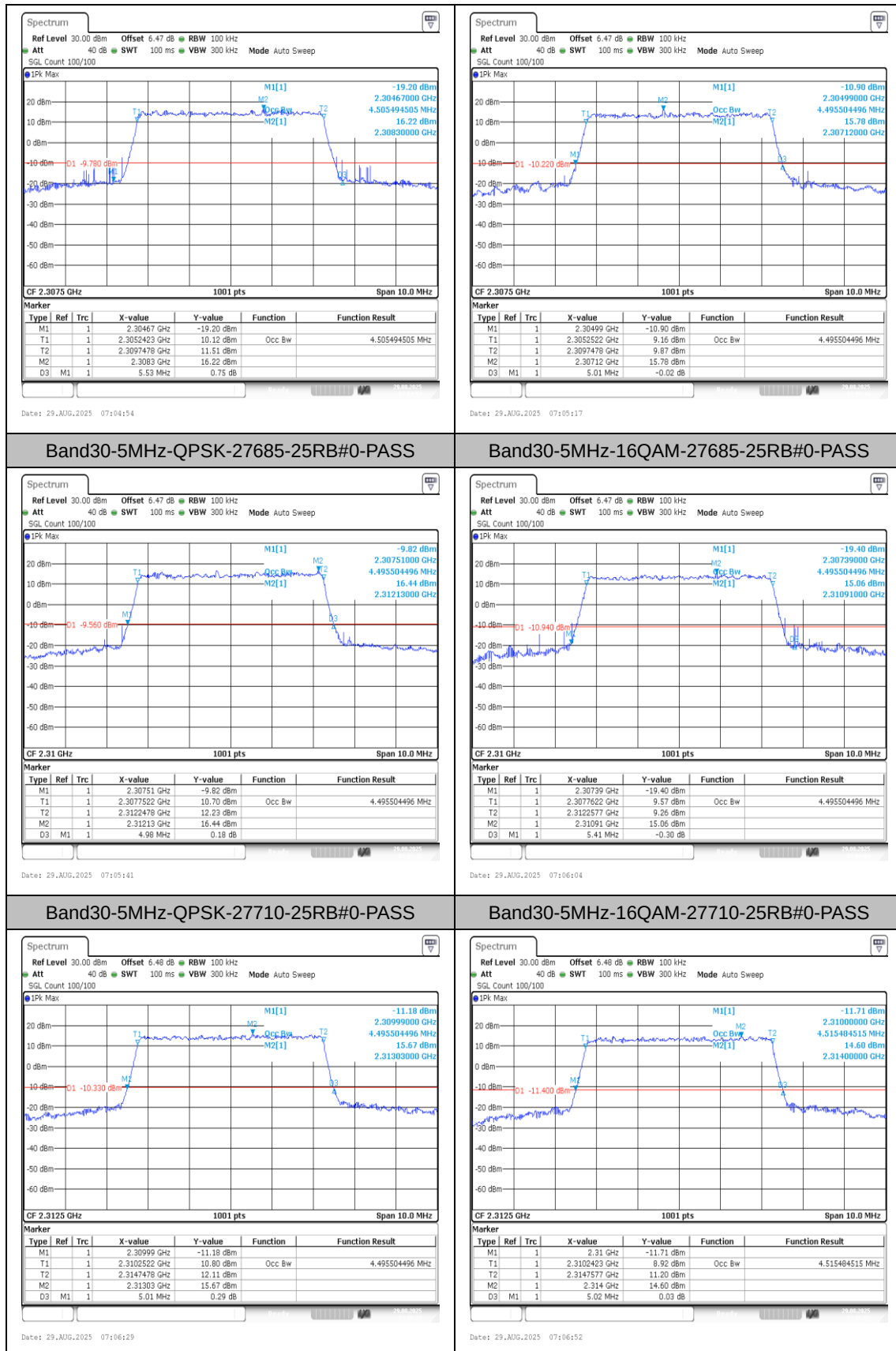


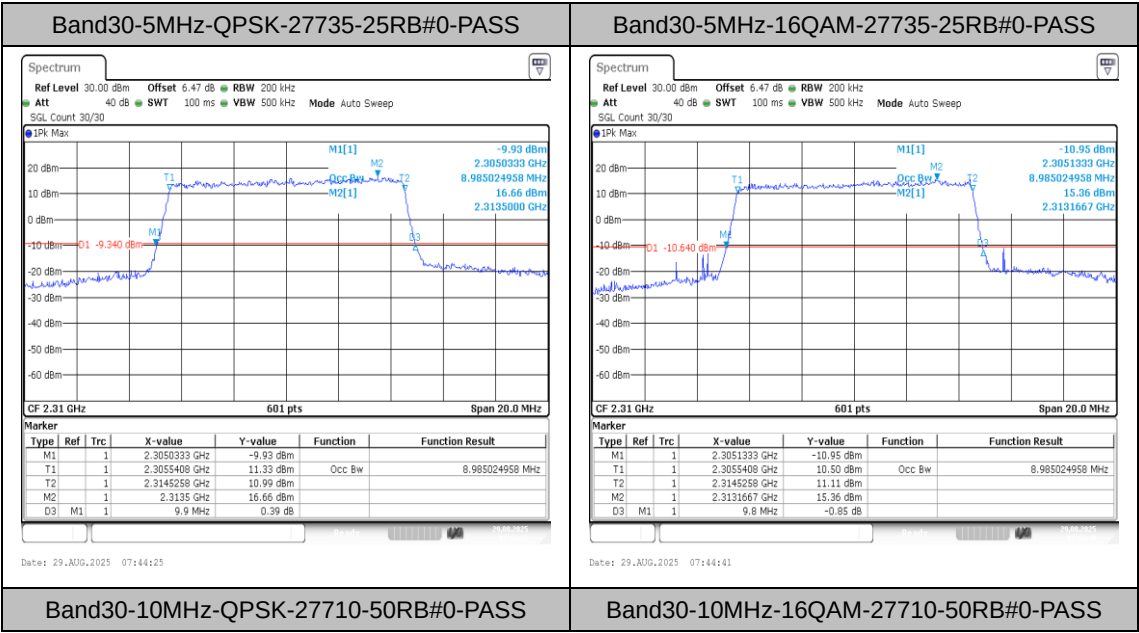
Appendix C: 26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band30	5MHz	QPSK	27685	25RB#0	4.505	5.53	PASS
Band30	5MHz	16QAM	27685	25RB#0	4.496	5.01	PASS
Band30	5MHz	QPSK	27710	25RB#0	4.496	4.98	PASS
Band30	5MHz	16QAM	27710	25RB#0	4.496	5.41	PASS
Band30	5MHz	QPSK	27735	25RB#0	4.496	5.01	PASS
Band30	5MHz	16QAM	27735	25RB#0	4.515	5.02	PASS
Band30	10MHz	QPSK	27710	50RB#0	8.985	9.90	PASS
Band30	10MHz	16QAM	27710	50RB#0	8.985	9.80	PASS

Test Graphs



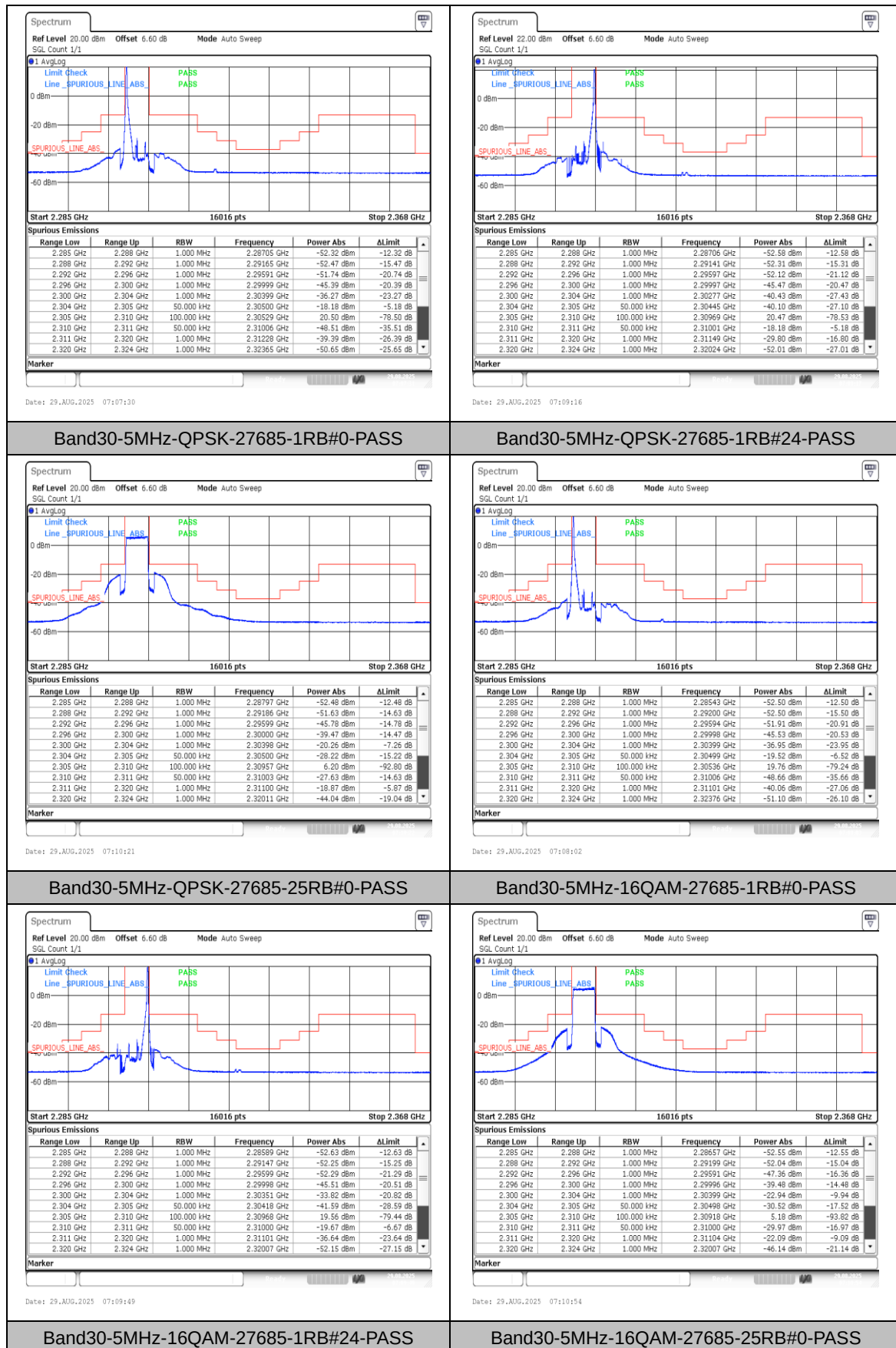


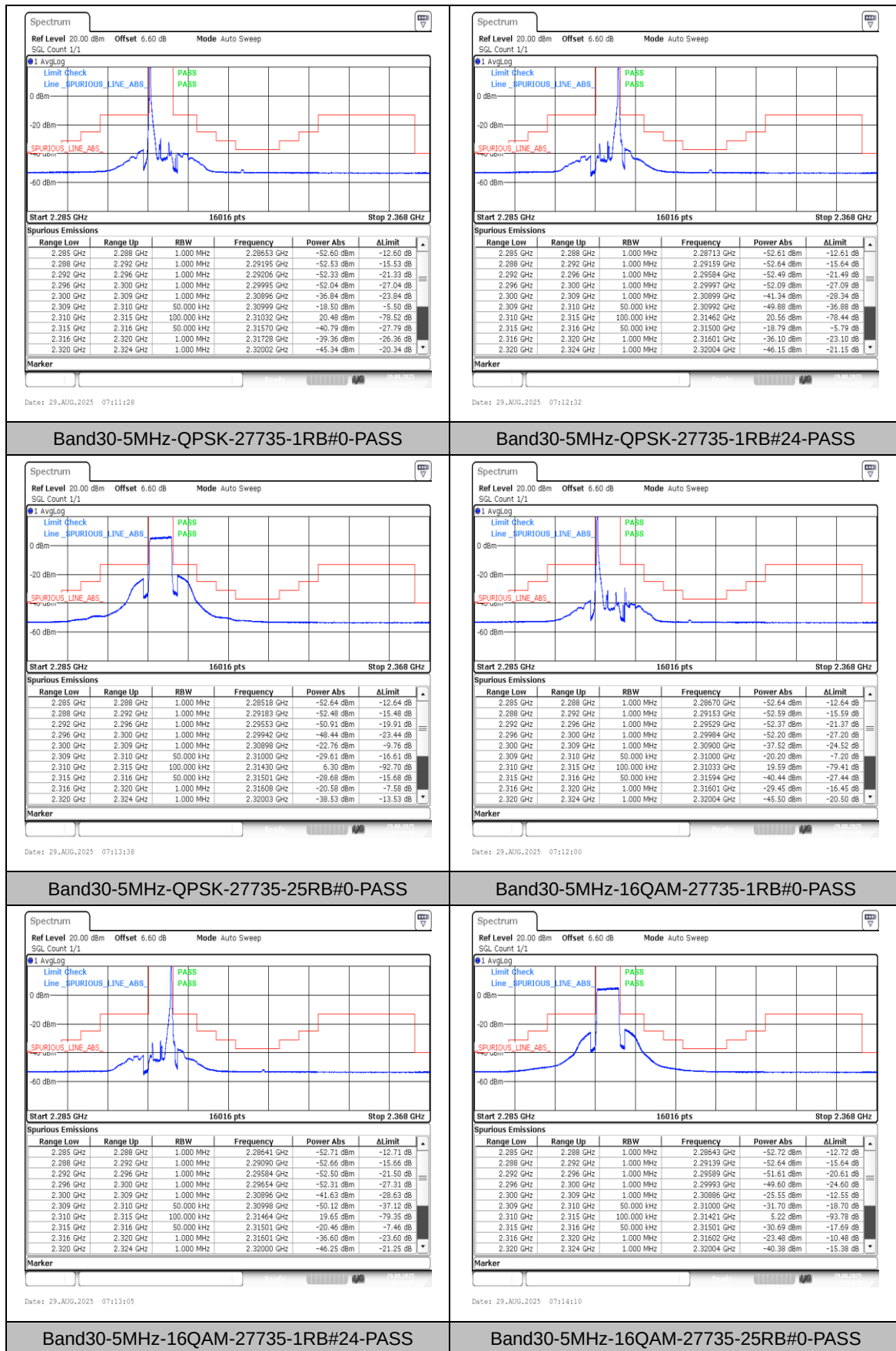
Appendix D: Band Edge

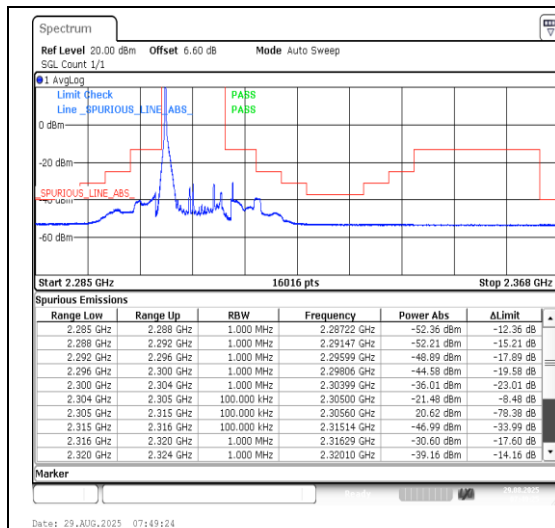
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band30	5MHz	QPSK	27685	1RB#0	-18.18	PASS
Band30	5MHz	QPSK	27685	1RB#24	-18.18	PASS
Band30	5MHz	QPSK	27685	25RB#0	-18.87	PASS
Band30	5MHz	16QAM	27685	1RB#0	-19.52	PASS
Band30	5MHz	16QAM	27685	1RB#24	-19.67	PASS
Band30	5MHz	16QAM	27685	25RB#0	-22.09	PASS
Band30	5MHz	QPSK	27735	1RB#0	-18.50	PASS
Band30	5MHz	QPSK	27735	1RB#24	-18.79	PASS
Band30	5MHz	QPSK	27735	25RB#0	-20.58	PASS
Band30	5MHz	16QAM	27735	1RB#0	-20.20	PASS
Band30	5MHz	16QAM	27735	1RB#24	-20.46	PASS
Band30	5MHz	16QAM	27735	25RB#0	-23.48	PASS
Band30	10MHz	QPSK	27710	1RB#0	-21.48	PASS
Band30	10MHz	QPSK	27710	1RB#49	-20.77	PASS
Band30	10MHz	QPSK	27710	50RB#0	-25.70	PASS_Final1
Band30	10MHz	16QAM	27710	1RB#0	-22.39	PASS
Band30	10MHz	16QAM	27710	1RB#49	-21.36	PASS
Band30	10MHz	16QAM	27710	50RB#0	-27.90	PASS

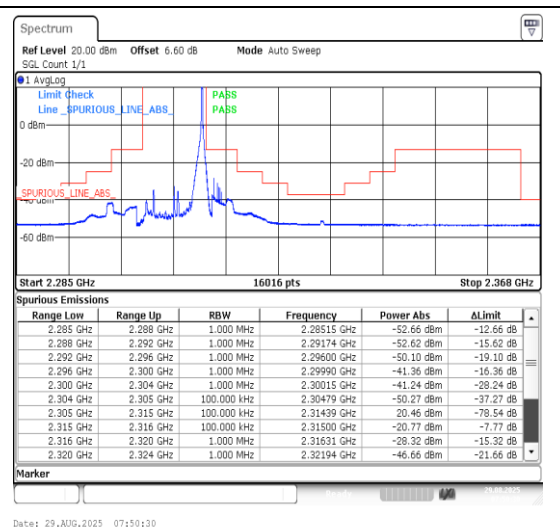
Test Graphs



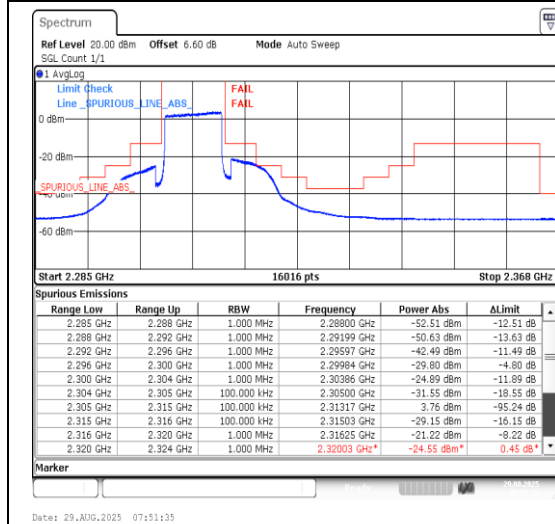




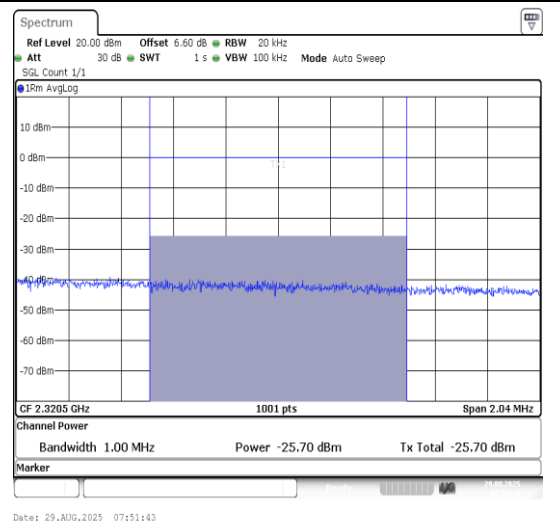
Band30-10MHz-QPSK-27710-1RB#0-PASS



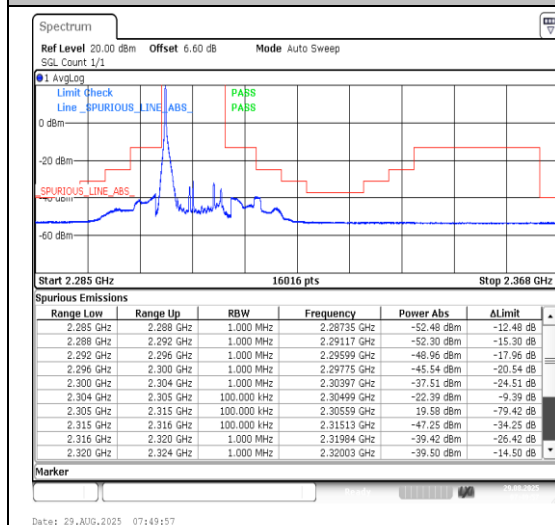
Band30-10MHz-QPSK-27710-1RB#49-PASS



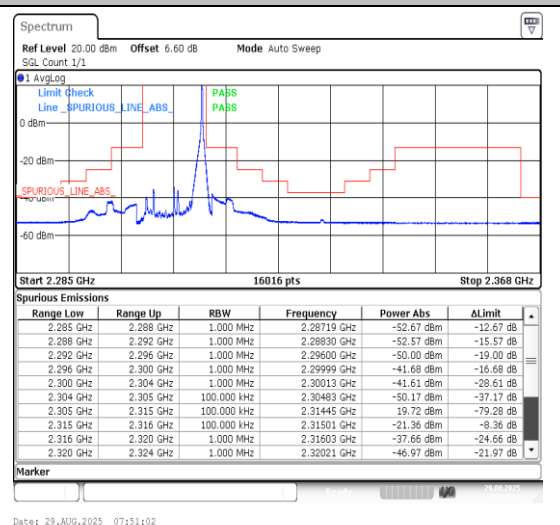
Band30-10MHz-QPSK-27710-50RB#0



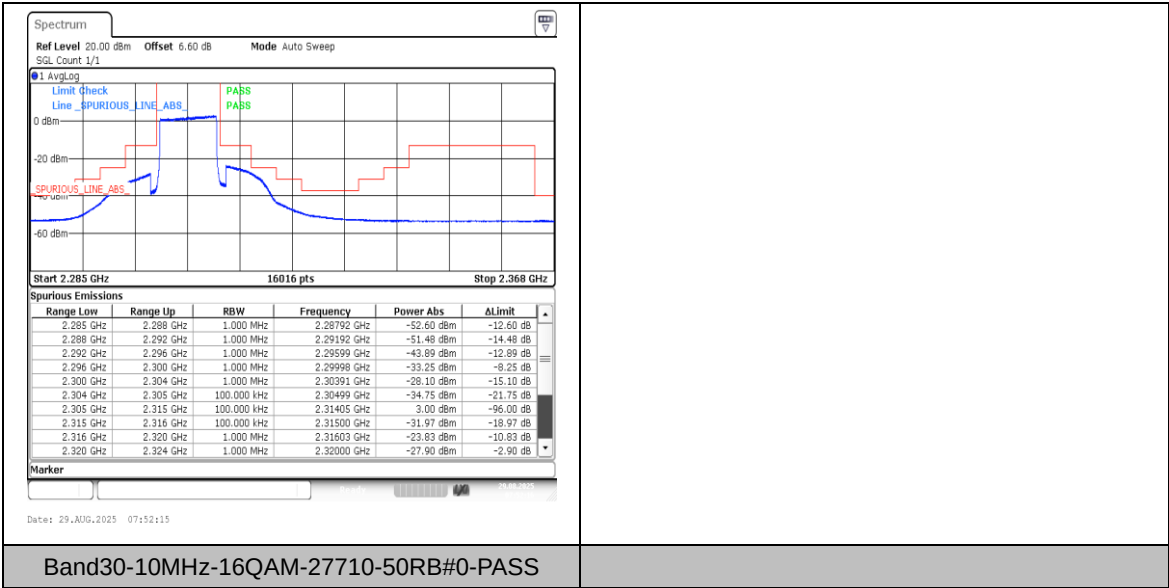
Band30-10MHz-QPSK-27710-50RB#0-PASS_Final1



Band30-10MHz-16QAM-27710-1RB#0-PASS



Band30-10MHz-16QAM-27710-1RB#49-PASS



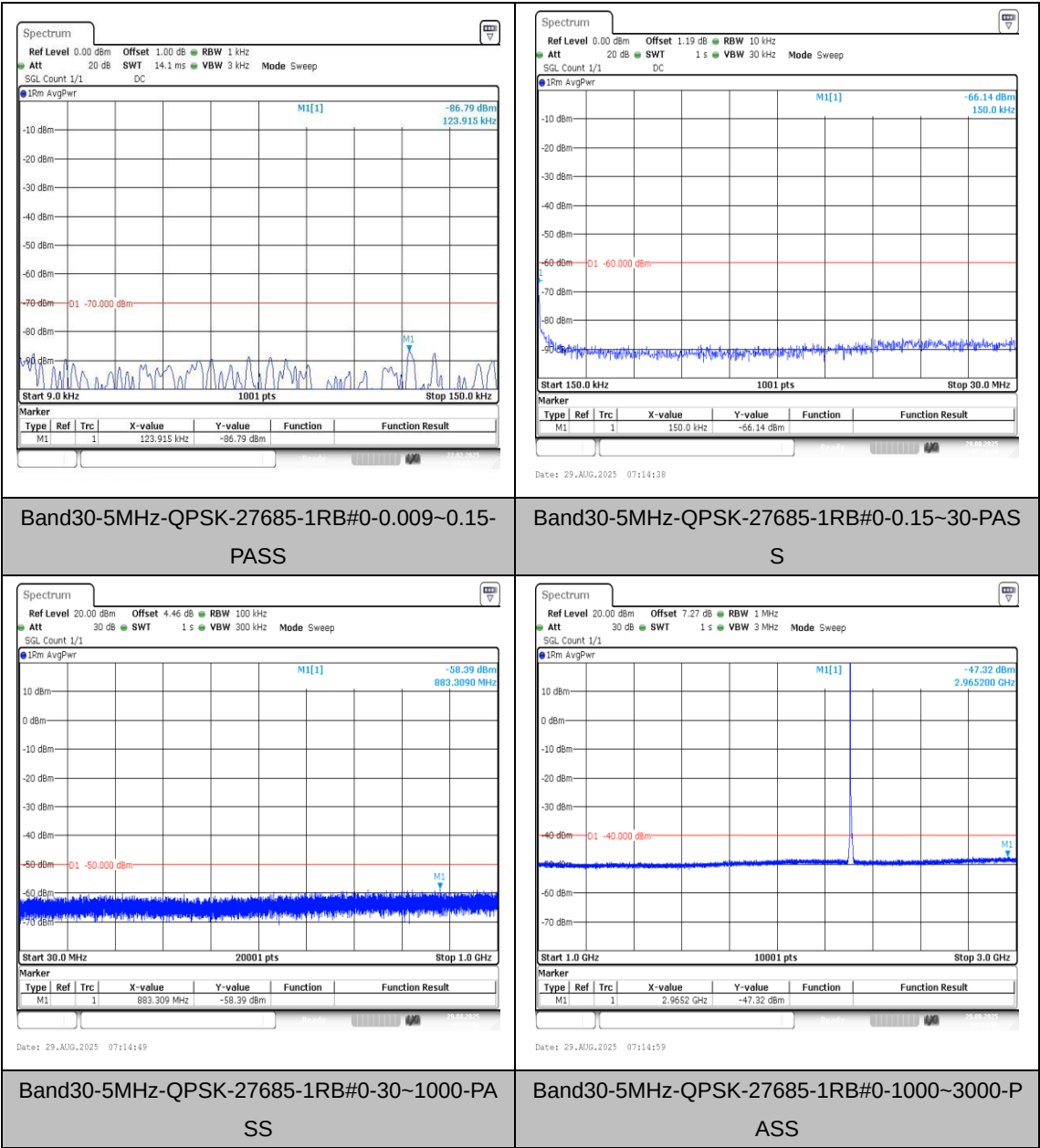
Appendix E: Conducted Spurious Emission

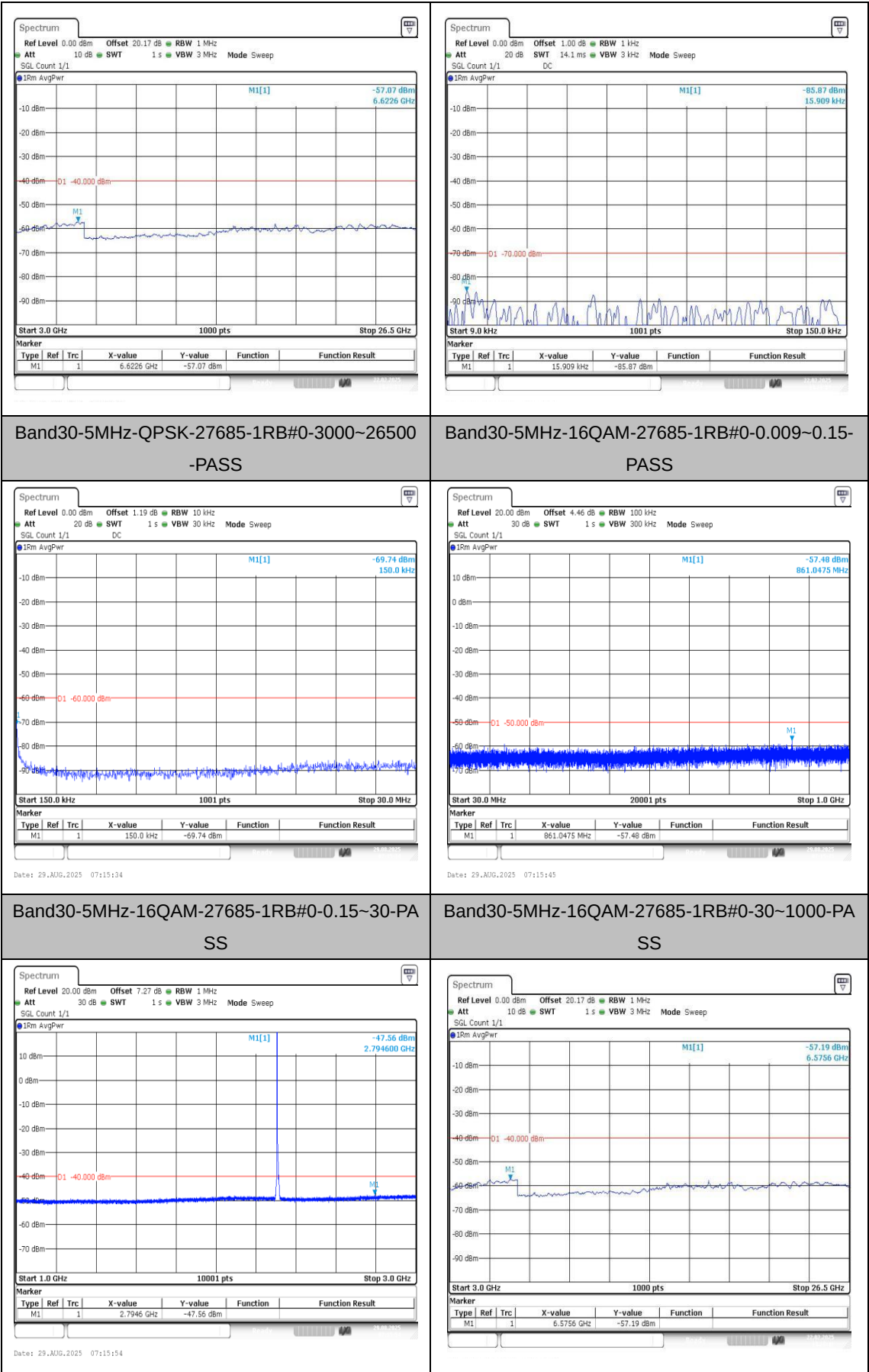
Test Result

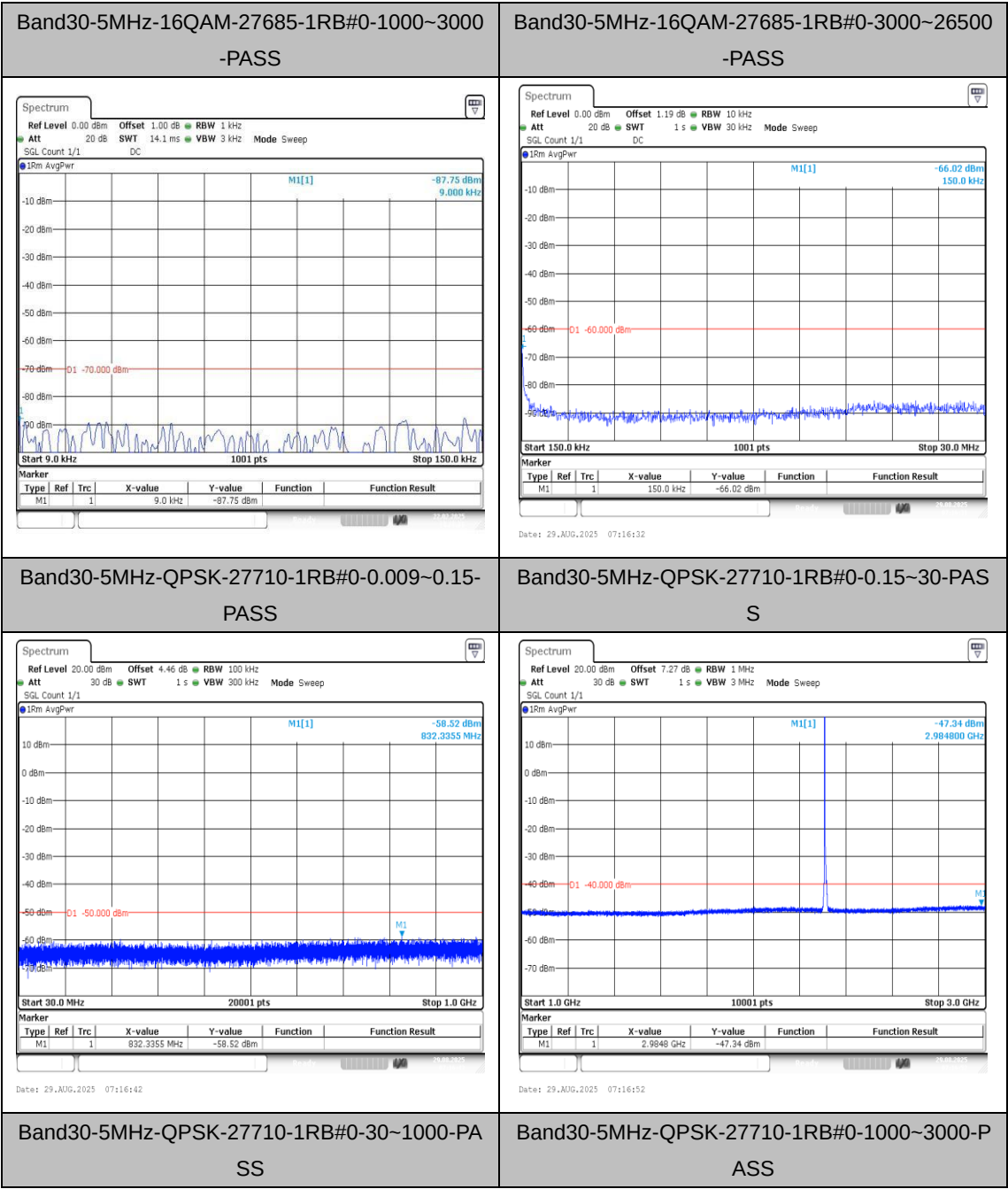
Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Verdict
Band30	5MHz	QPSK	27685	1RB#0	0.009~0.15	PASS
Band30	5MHz	QPSK	27685	1RB#0	0.15~30	PASS
Band30	5MHz	QPSK	27685	1RB#0	30~1000	PASS
Band30	5MHz	QPSK	27685	1RB#0	1000~3000	PASS
Band30	5MHz	QPSK	27685	1RB#0	3000~26500	PASS
Band30	5MHz	16QAM	27685	1RB#0	0.009~0.15	PASS
Band30	5MHz	16QAM	27685	1RB#0	0.15~30	PASS
Band30	5MHz	16QAM	27685	1RB#0	30~1000	PASS
Band30	5MHz	16QAM	27685	1RB#0	1000~3000	PASS
Band30	5MHz	16QAM	27685	1RB#0	3000~26500	PASS
Band30	5MHz	QPSK	27710	1RB#0	0.009~0.15	PASS
Band30	5MHz	QPSK	27710	1RB#0	0.15~30	PASS
Band30	5MHz	QPSK	27710	1RB#0	30~1000	PASS
Band30	5MHz	QPSK	27710	1RB#0	1000~3000	PASS
Band30	5MHz	QPSK	27710	1RB#0	3000~26500	PASS
Band30	5MHz	16QAM	27710	1RB#0	0.009~0.15	PASS
Band30	5MHz	16QAM	27710	1RB#0	0.15~30	PASS
Band30	5MHz	16QAM	27710	1RB#0	30~1000	PASS
Band30	5MHz	16QAM	27710	1RB#0	1000~3000	PASS
Band30	5MHz	16QAM	27710	1RB#0	3000~26500	PASS
Band30	5MHz	QPSK	27735	1RB#0	0.009~0.15	PASS
Band30	5MHz	QPSK	27735	1RB#0	0.15~30	PASS
Band30	5MHz	QPSK	27735	1RB#0	30~1000	PASS
Band30	5MHz	QPSK	27735	1RB#0	1000~3000	PASS
Band30	5MHz	QPSK	27735	1RB#0	3000~26500	PASS
Band30	5MHz	16QAM	27735	1RB#0	0.009~0.15	PASS
Band30	5MHz	16QAM	27735	1RB#0	0.15~30	PASS
Band30	5MHz	16QAM	27735	1RB#0	30~1000	PASS
Band30	5MHz	16QAM	27735	1RB#0	1000~3000	PASS
Band30	5MHz	16QAM	27735	1RB#0	3000~26500	PASS
Band30	10MHz	QPSK	27710	1RB#0	0.009~0.15	PASS
Band30	10MHz	QPSK	27710	1RB#0	0.15~30	PASS
Band30	10MHz	QPSK	27710	1RB#0	30~1000	PASS
Band30	10MHz	QPSK	27710	1RB#0	1000~3000	PASS
Band30	10MHz	QPSK	27710	1RB#0	3000~26500	PASS
Band30	10MHz	16QAM	27710	1RB#0	0.009~0.15	PASS

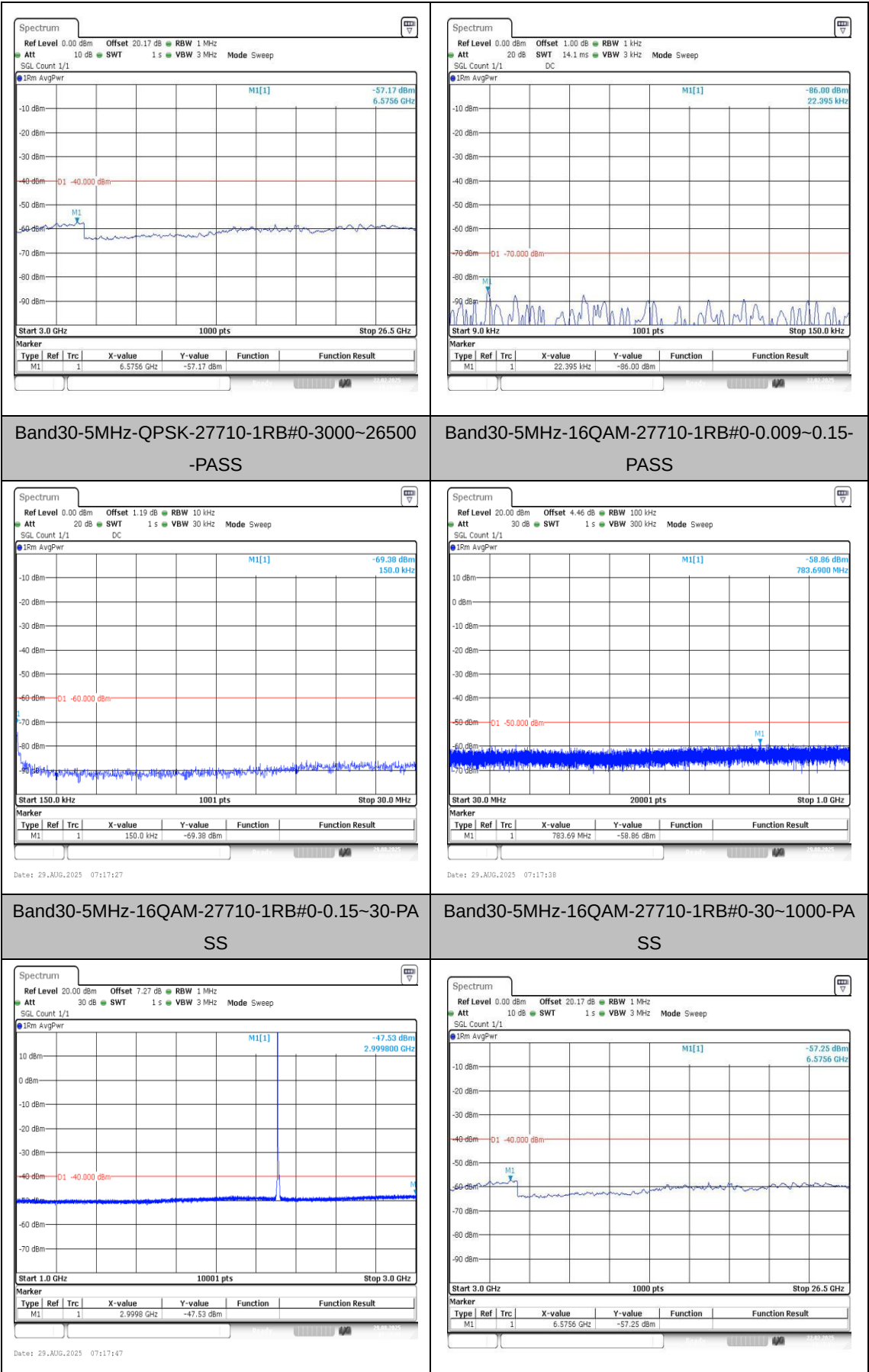
Band30	10MHz	16QAM	27710	1RB#0	0.15~30	PASS
Band30	10MHz	16QAM	27710	1RB#0	30~1000	PASS
Band30	10MHz	16QAM	27710	1RB#0	1000~3000	PASS
Band30	10MHz	16QAM	27710	1RB#0	3000~26500	PASS

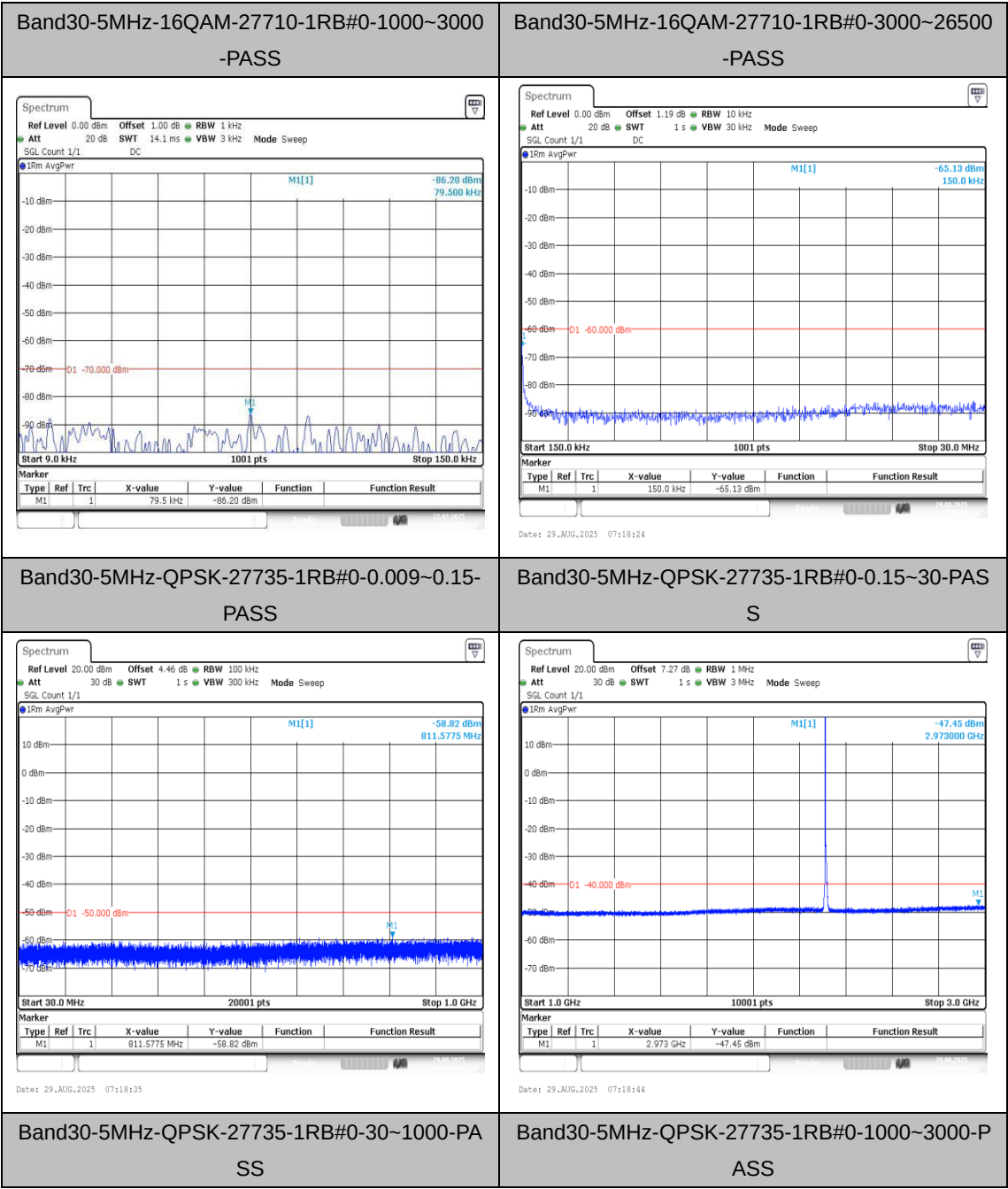
Test Graphs

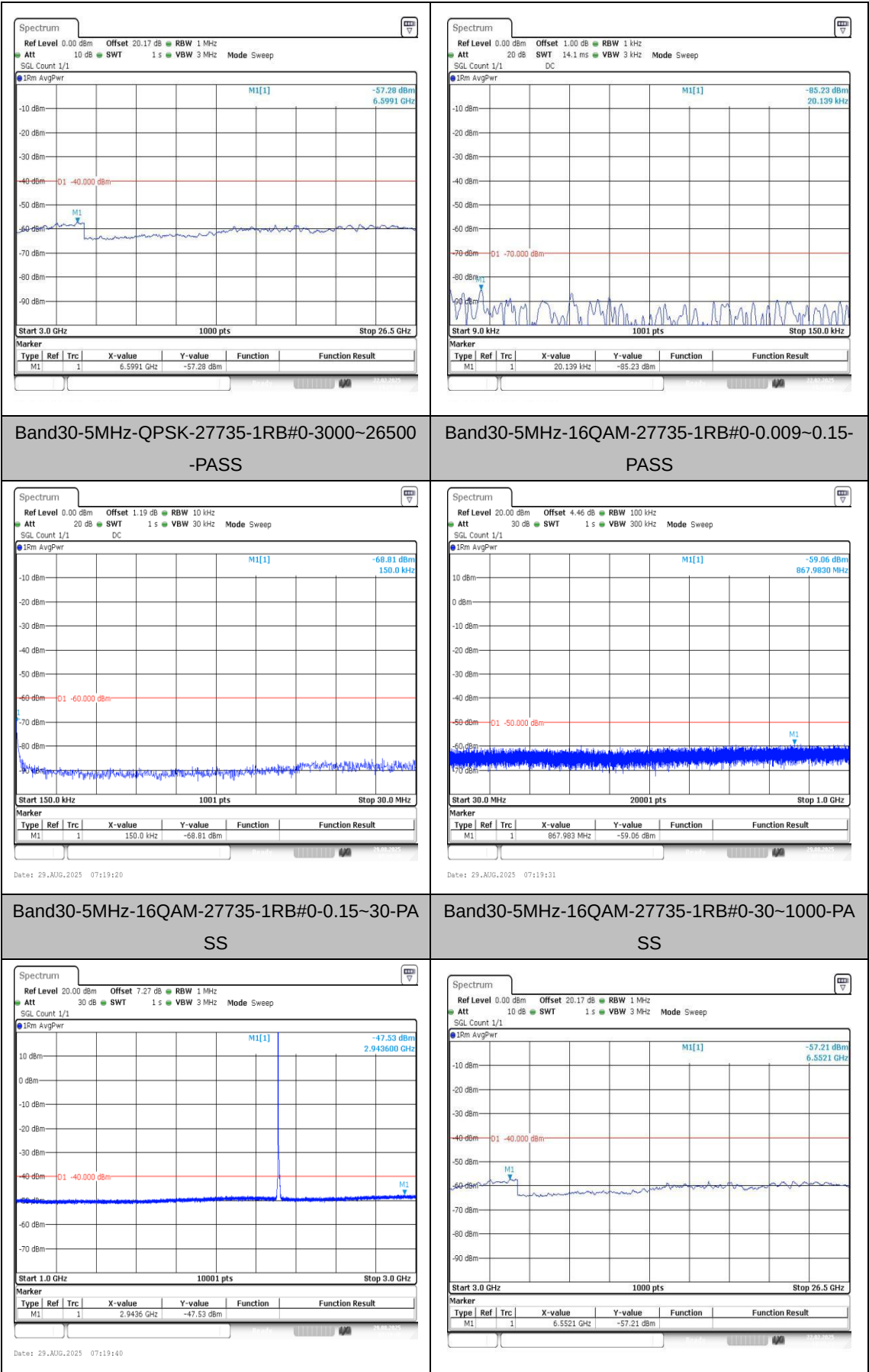


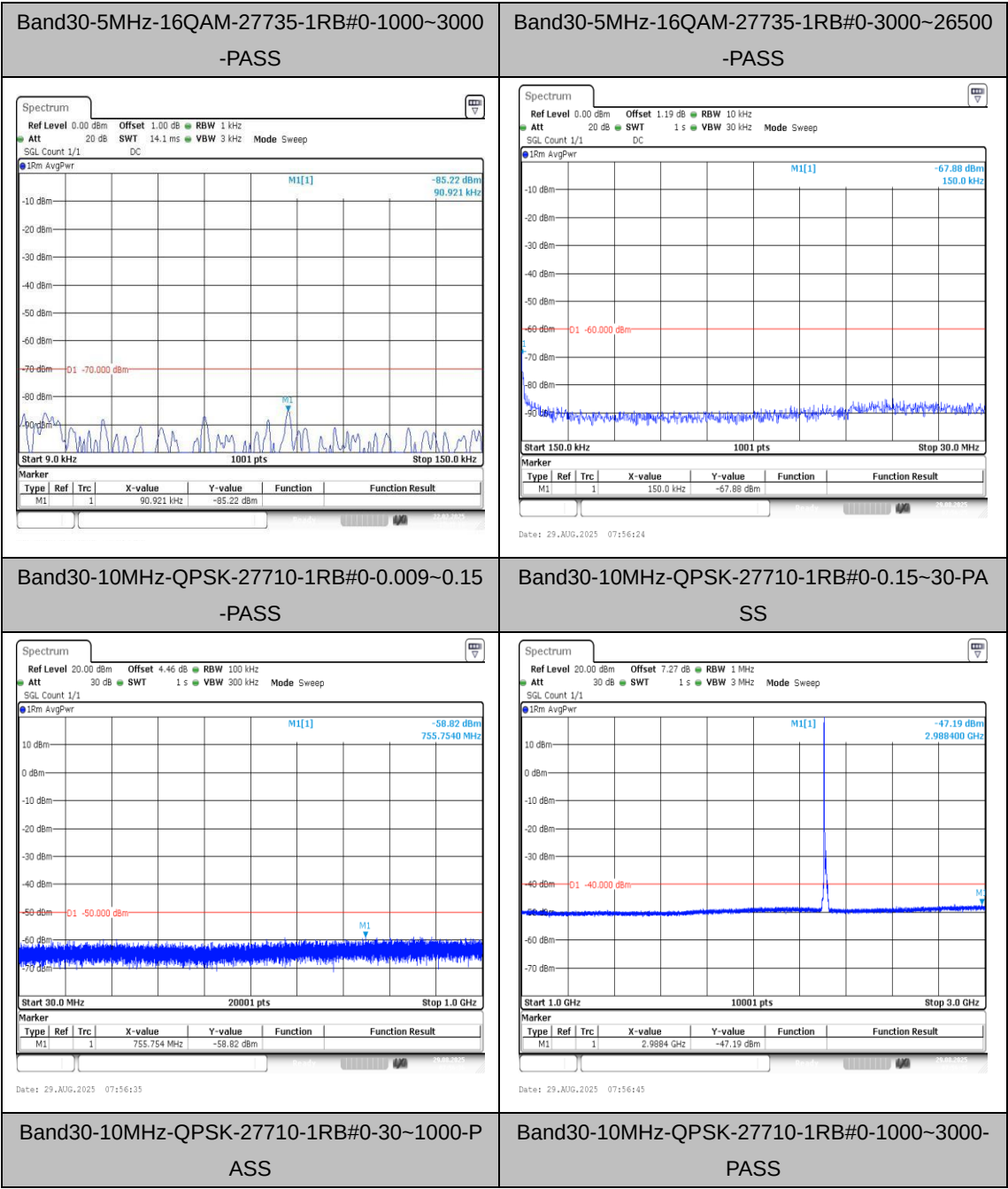


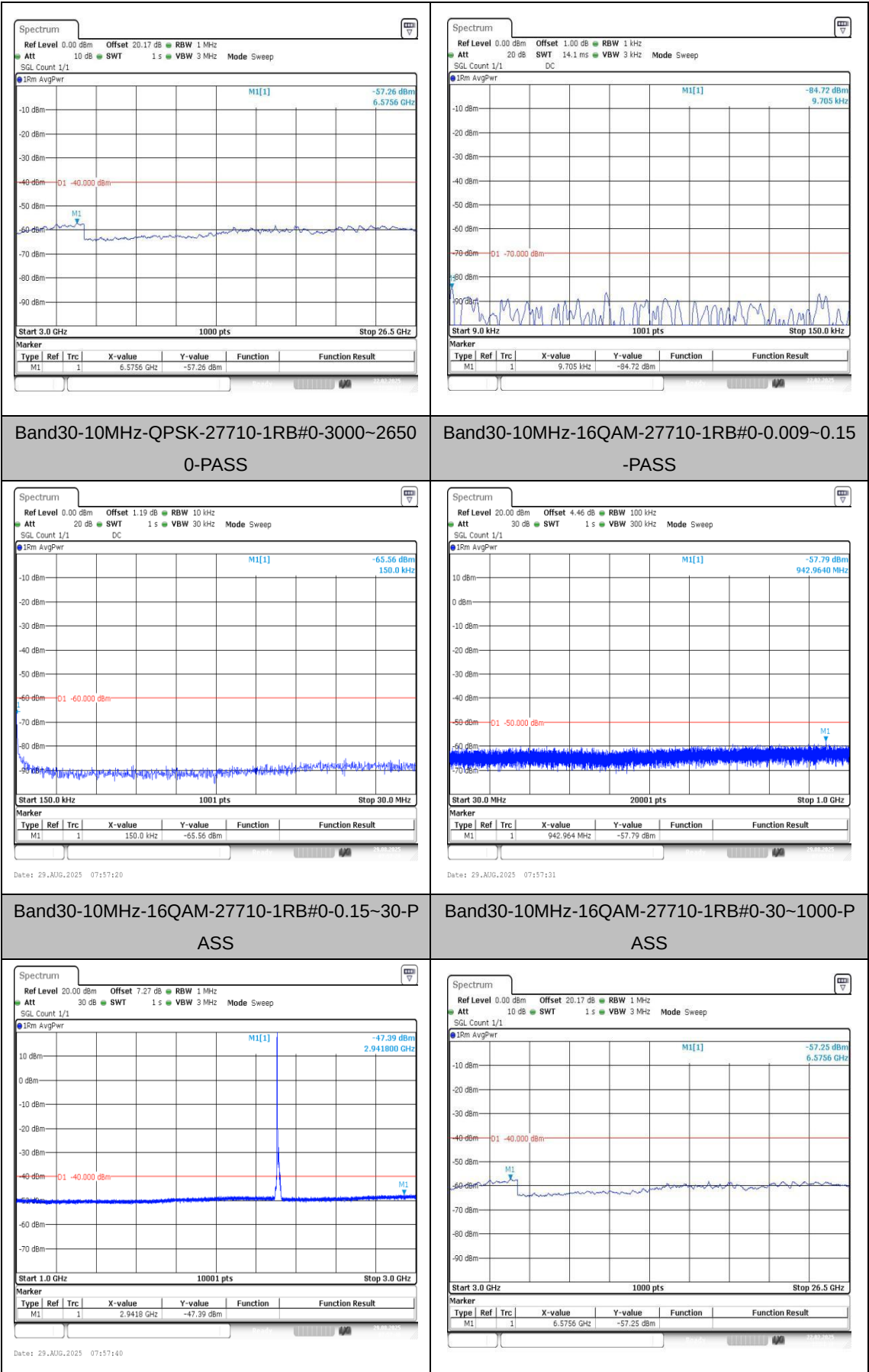












Band30-10MHz-16QAM-27710-1RB#0-1000~300 0-PASS	Band30-10MHz-16QAM-27710-1RB#0-3000~2650 0-PASS
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Appendix F: Frequency Stability

Test Result

Voltage										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band30	5MHz	QPSK	27685	25RB#0	VN	NT	-14.73	-0.006384	±2.5	PASS
Band30	5MHz	QPSK	27685	25RB#0	VL	NT	-8.70	-0.003770	±2.5	PASS
Band30	5MHz	QPSK	27685	25RB#0	VH	NT	-13.58	-0.005885	±2.5	PASS
Band30	5MHz	16QAM	27685	25RB#0	VN	NT	15.84	0.006865	±2.5	PASS
Band30	5MHz	16QAM	27685	25RB#0	VL	NT	15.68	0.006795	±2.5	PASS
Band30	5MHz	16QAM	27685	25RB#0	VH	NT	22.06	0.009560	±2.5	PASS
Band30	5MHz	QPSK	27710	25RB#0	VN	NT	6.41	0.002775	±2.5	PASS
Band30	5MHz	QPSK	27710	25RB#0	VL	NT	12.79	0.005537	±2.5	PASS
Band30	5MHz	QPSK	27710	25RB#0	VH	NT	17.51	0.007580	±2.5	PASS
Band30	5MHz	16QAM	27710	25RB#0	VN	NT	-6.44	-0.002788	±2.5	PASS
Band30	5MHz	16QAM	27710	25RB#0	VL	NT	-10.83	-0.004688	±2.5	PASS
Band30	5MHz	16QAM	27710	25RB#0	VH	NT	-12.35	-0.005346	±2.5	PASS
Band30	5MHz	QPSK	27735	25RB#0	VN	NT	-13.28	-0.005743	±2.5	PASS
Band30	5MHz	QPSK	27735	25RB#0	VL	NT	-13.59	-0.005877	±2.5	PASS
Band30	5MHz	QPSK	27735	25RB#0	VH	NT	-12.49	-0.005401	±2.5	PASS
Band30	5MHz	16QAM	27735	25RB#0	VN	NT	-11.16	-0.004826	±2.5	PASS
Band30	5MHz	16QAM	27735	25RB#0	VL	NT	12.00	0.005189	±2.5	PASS
Band30	5MHz	16QAM	27735	25RB#0	VH	NT	-9.61	-0.004156	±2.5	PASS
Band30	10MHz	QPSK	27710	50RB#0	VN	NT	21.06	0.009117	±2.5	PASS
Band30	10MHz	QPSK	27710	50RB#0	VL	NT	10.37	0.004489	±2.5	PASS
Band30	10MHz	QPSK	27710	50RB#0	VH	NT	-7.80	-0.003377	±2.5	PASS
Band30	10MHz	16QAM	27710	50RB#0	VN	NT	6.17	0.002671	±2.5	PASS
Band30	10MHz	16QAM	27710	50RB#0	VL	NT	19.23	0.008325	±2.5	PASS
Band30	10MHz	16QAM	27710	50RB#0	VH	NT	-14.96	-0.006476	±2.5	PASS

Temperature										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band30	5MHz	QPSK	27685	25RB#0	NV	-30	13.35	0.005785	±2.5	PASS
Band30	5MHz	QPSK	27685	25RB#0	NV	-20	-11.19	-0.004849	±2.5	PASS
Band30	5MHz	QPSK	27685	25RB#0	NV	-10	-16.12	-0.006986	±2.5	PASS
Band30	5MHz	QPSK	27685	25RB#0	NV	0	-18.83	-0.008160	±2.5	PASS
Band30	5MHz	QPSK	27685	25RB#0	NV	10	12.65	0.005482	±2.5	PASS

Band30	5MHz	QPSK	27685	25RB#0	NV	20	-12.43	-0.005387	±2.5	PASS
Band30	5MHz	QPSK	27685	25RB#0	NV	30	7.51	0.003255	±2.5	PASS
Band30	5MHz	QPSK	27685	25RB#0	NV	40	20.41	0.008845	±2.5	PASS
Band30	5MHz	QPSK	27685	25RB#0	NV	50	16.04	0.006951	±2.5	PASS
Band30	5MHz	16QAM	27685	25RB#0	NV	-30	-6.59	-0.002856	±2.5	PASS
Band30	5MHz	16QAM	27685	25RB#0	NV	-20	19.33	0.008377	±2.5	PASS
Band30	5MHz	16QAM	27685	25RB#0	NV	-10	18.51	0.008022	±2.5	PASS
Band30	5MHz	16QAM	27685	25RB#0	NV	0	-13.96	-0.006050	±2.5	PASS
Band30	5MHz	16QAM	27685	25RB#0	NV	10	23.62	0.010236	±2.5	PASS
Band30	5MHz	16QAM	27685	25RB#0	NV	20	-8.83	-0.003827	±2.5	PASS
Band30	5MHz	16QAM	27685	25RB#0	NV	30	9.37	0.004061	±2.5	PASS
Band30	5MHz	16QAM	27685	25RB#0	NV	40	3.72	0.001612	±2.5	PASS
Band30	5MHz	16QAM	27685	25RB#0	NV	50	-9.00	-0.003900	±2.5	PASS
Band30	5MHz	QPSK	27710	25RB#0	NV	-30	19.07	0.008255	±2.5	PASS
Band30	5MHz	QPSK	27710	25RB#0	NV	-20	-16.77	-0.007260	±2.5	PASS
Band30	5MHz	QPSK	27710	25RB#0	NV	-10	9.20	0.003983	±2.5	PASS
Band30	5MHz	QPSK	27710	25RB#0	NV	0	10.66	0.004615	±2.5	PASS
Band30	5MHz	QPSK	27710	25RB#0	NV	10	8.65	0.003745	±2.5	PASS
Band30	5MHz	QPSK	27710	25RB#0	NV	20	-16.05	-0.006948	±2.5	PASS
Band30	5MHz	QPSK	27710	25RB#0	NV	30	8.91	0.003857	±2.5	PASS
Band30	5MHz	QPSK	27710	25RB#0	NV	40	11.64	0.005039	±2.5	PASS
Band30	5MHz	QPSK	27710	25RB#0	NV	50	9.73	0.004212	±2.5	PASS
Band30	5MHz	16QAM	27710	25RB#0	NV	-30	18.90	0.008182	±2.5	PASS
Band30	5MHz	16QAM	27710	25RB#0	NV	-20	-28.85	-0.012489	±2.5	PASS
Band30	5MHz	16QAM	27710	25RB#0	NV	-10	9.24	0.004000	±2.5	PASS
Band30	5MHz	16QAM	27710	25RB#0	NV	0	-26.61	-0.011519	±2.5	PASS
Band30	5MHz	16QAM	27710	25RB#0	NV	10	-10.43	-0.004515	±2.5	PASS
Band30	5MHz	16QAM	27710	25RB#0	NV	20	-23.83	-0.010316	±2.5	PASS
Band30	5MHz	16QAM	27710	25RB#0	NV	30	9.26	0.004009	±2.5	PASS
Band30	5MHz	16QAM	27710	25RB#0	NV	40	-12.66	-0.005481	±2.5	PASS
Band30	5MHz	16QAM	27710	25RB#0	NV	50	-11.87	-0.005139	±2.5	PASS
Band30	5MHz	QPSK	27735	25RB#0	NV	-30	9.13	0.003948	±2.5	PASS
Band30	5MHz	QPSK	27735	25RB#0	NV	-20	16.48	0.007126	±2.5	PASS
Band30	5MHz	QPSK	27735	25RB#0	NV	-10	-5.39	-0.002331	±2.5	PASS
Band30	5MHz	QPSK	27735	25RB#0	NV	0	10.69	0.004623	±2.5	PASS
Band30	5MHz	QPSK	27735	25RB#0	NV	10	-10.30	-0.004454	±2.5	PASS
Band30	5MHz	QPSK	27735	25RB#0	NV	20	8.75	0.003784	±2.5	PASS
Band30	5MHz	QPSK	27735	25RB#0	NV	30	-13.50	-0.005838	±2.5	PASS
Band30	5MHz	QPSK	27735	25RB#0	NV	40	-9.90	-0.004281	±2.5	PASS
Band30	5MHz	QPSK	27735	25RB#0	NV	50	-17.67	-0.007641	±2.5	PASS
Band30	5MHz	16QAM	27735	25RB#0	NV	-30	18.04	0.007801	±2.5	PASS

Band30	5MHz	16QAM	27735	25RB#0	NV	-20	20.87	0.009025	±2.5	PASS
Band30	5MHz	16QAM	27735	25RB#0	NV	-10	-12.10	-0.005232	±2.5	PASS
Band30	5MHz	16QAM	27735	25RB#0	NV	0	-13.56	-0.005864	±2.5	PASS
Band30	5MHz	16QAM	27735	25RB#0	NV	10	-9.71	-0.004199	±2.5	PASS
Band30	5MHz	16QAM	27735	25RB#0	NV	20	-12.23	-0.005289	±2.5	PASS
Band30	5MHz	16QAM	27735	25RB#0	NV	30	14.86	0.006426	±2.5	PASS
Band30	5MHz	16QAM	27735	25RB#0	NV	40	-6.12	-0.002646	±2.5	PASS
Band30	5MHz	16QAM	27735	25RB#0	NV	50	-9.50	-0.004108	±2.5	PASS
Band30	10MHz	QPSK	27710	50RB#0	NV	-30	8.68	0.003758	±2.5	PASS
Band30	10MHz	QPSK	27710	50RB#0	NV	-20	11.54	0.004996	±2.5	PASS
Band30	10MHz	QPSK	27710	50RB#0	NV	-10	9.50	0.004113	±2.5	PASS
Band30	10MHz	QPSK	27710	50RB#0	NV	0	-6.31	-0.002732	±2.5	PASS
Band30	10MHz	QPSK	27710	50RB#0	NV	10	-15.05	-0.006515	±2.5	PASS
Band30	10MHz	QPSK	27710	50RB#0	NV	20	10.60	0.004589	±2.5	PASS
Band30	10MHz	QPSK	27710	50RB#0	NV	30	-16.87	-0.007303	±2.5	PASS
Band30	10MHz	QPSK	27710	50RB#0	NV	40	5.02	0.002173	±2.5	PASS
Band30	10MHz	QPSK	27710	50RB#0	NV	50	8.33	0.003606	±2.5	PASS
Band30	10MHz	16QAM	27710	50RB#0	NV	-30	9.87	0.004273	±2.5	PASS
Band30	10MHz	16QAM	27710	50RB#0	NV	-20	-7.71	-0.003338	±2.5	PASS
Band30	10MHz	16QAM	27710	50RB#0	NV	-10	-21.70	-0.009394	±2.5	PASS
Band30	10MHz	16QAM	27710	50RB#0	NV	0	-10.26	-0.004442	±2.5	PASS
Band30	10MHz	16QAM	27710	50RB#0	NV	10	-10.00	-0.004329	±2.5	PASS
Band30	10MHz	16QAM	27710	50RB#0	NV	20	-13.85	-0.005996	±2.5	PASS
Band30	10MHz	16QAM	27710	50RB#0	NV	30	-15.65	-0.006775	±2.5	PASS
Band30	10MHz	16QAM	27710	50RB#0	NV	40	-16.37	-0.007087	±2.5	PASS
Band30	10MHz	16QAM	27710	50RB#0	NV	50	-8.64	-0.003740	±2.5	PASS