Appendix for Band 2

Product Name: Battery Monitor System
Model No: BMS04

Appendix A: Average Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Size	RB Start	NBIndex	Conducted Power(dBm)	Verdict
Band2	5MHz	18625	QPSK	1	0	Low	17.81	PASS
Band2	5MHz	18625	QPSK	1	5	Low	17.80	PASS
Band2	5MHz	18625	QPSK	6	0	Low	17.81	PASS
Band2	5MHz	18900	QPSK	1	0	Low	17.06	PASS
Band2	5MHz	18900	QPSK	1	5	Low	17.10	PASS
Band2	5MHz	18900	QPSK	6	0	Low	17.18	PASS
Band2	5MHz	19175	QPSK	1	0	High	17.13	PASS
Band2	5MHz	19175	QPSK	1	5	High	17.86	PASS
Band2	5MHz	19175	QPSK	6	0	High	17.60	PASS
Band2	5MHz	18625	16QAM	1	0	Low	17.81	PASS
Band2	5MHz	18625	16QAM	1	5	Low	17.81	PASS
Band2	5MHz	18625	16QAM	6	0	Low	17.81	PASS
Band2	5MHz	18900	16QAM	1	0	Low	17.90	PASS
Band2	5MHz	18900	16QAM	1	5	Low	17.98	PASS
Band2	5MHz	18900	16QAM	6	0	Low	17.16	PASS
Band2	5MHz	19175	16QAM	1	0	High	17.83	PASS
Band2	5MHz	19175	16QAM	1	5	High	17.49	PASS
Band2	5MHz	19175	16QAM	6	0	High	17.65	PASS
Band2	10MHz	18650	QPSK	1	0	Low	17.65	PASS
Band2	10MHz	18650	QPSK	1	5	Low	17.25	PASS
Band2	10MHz	18650	QPSK	6	0	Low	17.21	PASS
Band2	10MHz	18900	QPSK	1	0	Low	17.65	PASS
Band2	10MHz	18900	QPSK	1	5	Low	17.61	PASS
Band2	10MHz	18900	QPSK	6	0	Low	17.86	PASS
Band2	10MHz	19150	QPSK	1	0	High	17.81	PASS
Band2	10MHz	19150	QPSK	1	5	High	17.80	PASS
Band2	10MHz	19150	QPSK	6	0	High	17.08	PASS
Band2	10MHz	18650	16QAM	1	0	Low	17.59	PASS
Band2	10MHz	18650	16QAM	1	5	Low	17.01	PASS
Band2	10MHz	18650	16QAM	6	0	Low	17.22	PASS
Band2	10MHz	18900	16QAM	1	0	Low	17.33	PASS
Band2	10MHz	18900	16QAM	1	5	Low	17.29	PASS
Band2	10MHz	18900	16QAM	6	0	Low	17.85	PASS
Band2	10MHz	19150	16QAM	1	0	High	17.68	PASS
Band2	10MHz	19150	16QAM	1	5	High	17.62	PASS
Band2	10MHz	19150	16QAM	6	0	High	17.08	PASS

Band2	15MHz	18675	QPSK	1	0	Low	17.55	PASS
Band2	15MHz	18675	QPSK	1	5	Low	18.12	PASS
Band2	15MHz	18675	QPSK	6	0	Low	17.86	PASS
Band2	15MHz	18900	QPSK	1	0	Low	18.12	PASS
Band2	15MHz	18900	QPSK	1	5	Low	18.06	PASS
Band2	15MHz	18900	QPSK	6	0	Low	18.03	PASS
Band2	15MHz	19125	QPSK	1	0	High	18.30	PASS
Band2	15MHz	19125	QPSK	1	5	High	17.20	PASS
Band2	15MHz	19125	QPSK	6	0	High	17.18	PASS
Band2	15MHz	18675	16QAM	1	0	Low	17.29	PASS
Band2	15MHz	18675	16QAM	1	5	Low	17.83	PASS
Band2	15MHz	18675	16QAM	6	0	Low	17.86	PASS
Band2	15MHz	18900	16QAM	1	0	Low	17.84	PASS
Band2	15MHz	18900	16QAM	1	5	Low	17.73	PASS
Band2	15MHz	18900	16QAM	6	0	Low	18.07	PASS
Band2	15MHz	19125	16QAM	1	0	High	17.06	PASS
Band2	15MHz	19125	16QAM	1	5	High	17.98	PASS
Band2	15MHz	19125	16QAM	6	0	High	17.17	PASS
Band2	20MHz	18700	QPSK	1	0	Low	18.80	PASS
Band2	20MHz	18700	QPSK	1	5	Low	18.82	PASS
Band2	20MHz	18700	QPSK	6	0	Low	18.75	PASS
Band2	20MHz	18900	QPSK	1	0	Low	18.72	PASS
Band2	20MHz	18900	QPSK	1	5	Low	18.68	PASS
Band2	20MHz	18900	QPSK	6	0	Low	18.67	PASS
Band2	20MHz	19100	QPSK	1	0	High	17.96	PASS
Band2	20MHz	19100	QPSK	1	5	High	17.89	PASS
Band2	20MHz	19100	QPSK	6	0	High	17.86	PASS
Band2	20MHz	18700	16QAM	1	0	Low	17.47	PASS
Band2	20MHz	18700	16QAM	1	5	Low	18.37	PASS
Band2	20MHz	18700	16QAM	6	0	Low	18.83	PASS
Band2	20MHz	18900	16QAM	1	0	Low	18.37	PASS
Band2	20MHz	18900	16QAM	1	5	Low	18.33	PASS
Band2	20MHz	18900	16QAM	6	0	Low	18.66	PASS
Band2	20MHz	19100	16QAM	1	0	High	17.74	PASS
Band2	20MHz	19100	16QAM	1	5	High	17.72	PASS
Band2	20MHz	19100	16QAM	6	0	High	17.86	PASS

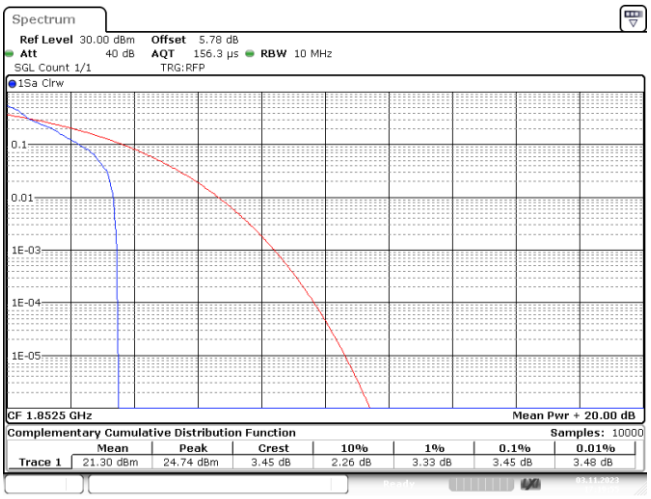
Appendix B: Peak-to-Average Ratio(CCDF) for M1

Test Result

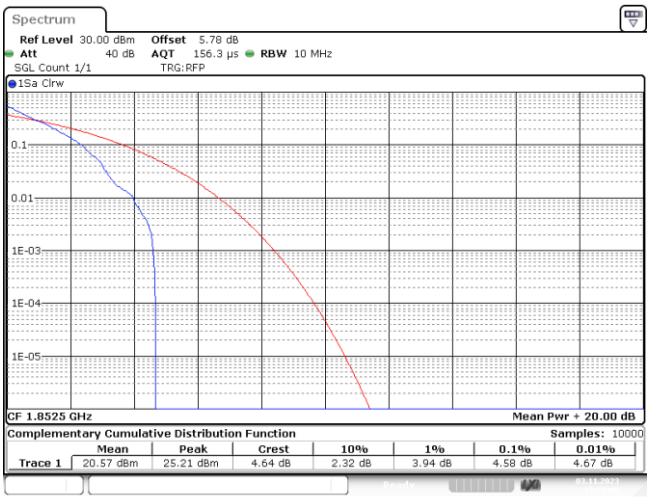
Band	Bandwidth	Modulation	Channel	RB Size	RB Start	NBIndex	Result(dB)	Limit(dB)	Verdict
Band2	5MHz	18625	QPSK	1	0	Low	3.45	<=13	PASS
Band2	5MHz	18625	QPSK	6	0	Low	4.58	<=13	PASS
Band2	5MHz	18900	QPSK	1	0	Low	3.16	<=13	PASS
Band2	5MHz	18900	QPSK	6	0	Low	4.20	<=13	PASS
Band2	5MHz	19175	QPSK	1	0	High	3.30	<=13	PASS
Band2	5MHz	19175	QPSK	6	0	High	4.35	<=13	PASS
Band2	5MHz	18625	16QAM	1	0	Low	4.29	<=13	PASS
Band2	5MHz	18625	16QAM	6	0	Low	4.70	<=13	PASS
Band2	5MHz	18900	16QAM	1	0	Low	4.84	<=13	PASS
Band2	5MHz	18900	16QAM	6	0	Low	3.91	<=13	PASS
Band2	5MHz	19175	16QAM	1	0	High	3.33	<=13	PASS
Band2	5MHz	19175	16QAM	6	0	High	4.32	<=13	PASS
Band2	10MHz	18650	QPSK	1	0	Low	3.62	<=13	PASS
Band2	10MHz	18650	QPSK	6	0	Low	3.94	<=13	PASS
Band2	10MHz	18900	QPSK	1	0	Low	3.10	<=13	PASS
Band2	10MHz	18900	QPSK	6	0	Low	3.71	<=13	PASS
Band2	10MHz	19150	QPSK	1	0	High	3.01	<=13	PASS
Band2	10MHz	19150	QPSK	6	0	High	3.62	<=13	PASS
Band2	10MHz	18650	16QAM	1	0	Low	3.91	<=13	PASS
Band2	10MHz	18650	16QAM	6	0	Low	4.00	<=13	PASS
Band2	10MHz	18900	16QAM	1	0	Low	3.51	<=13	PASS
Band2	10MHz	18900	16QAM	6	0	Low	3.74	<=13	PASS
Band2	10MHz	19150	16QAM	1	0	High	3.19	<=13	PASS
Band2	10MHz	19150	16QAM	6	0	High	3.54	<=13	PASS
Band2	15MHz	18675	QPSK	1	0	Low	2.46	<=13	PASS
Band2	15MHz	18675	QPSK	6	0	Low	2.72	<=13	PASS
Band2	15MHz	18900	QPSK	1	0	Low	2.52	<=13	PASS
Band2	15MHz	18900	QPSK	6	0	Low	2.70	<=13	PASS
Band2	15MHz	19125	QPSK	1	0	High	2.75	<=13	PASS
Band2	15MHz	19125	QPSK	6	0	High	2.87	<=13	PASS
Band2	15MHz	18675	16QAM	1	0	Low	3.07	<=13	PASS
Band2	15MHz	18675	16QAM	6	0	Low	2.72	<=13	PASS
Band2	15MHz	18900	16QAM	1	0	Low	2.87	<=13	PASS
Band2	15MHz	18900	16QAM	6	0	Low	2.70	<=13	PASS
Band2	15MHz	19125	16QAM	1	0	High	3.01	<=13	PASS

Band2	15MHz	19125	16QAM	6	0	High	2.75	<=13	PASS
Band2	20MHz	18700	QPSK	1	0	Low	2.61	<=13	PASS
Band2	20MHz	18700	QPSK	6	0	Low	2.78	<=13	PASS
Band2	20MHz	18900	QPSK	1	0	Low	2.52	<=13	PASS
Band2	20MHz	18900	QPSK	6	0	Low	2.75	<=13	PASS
Band2	20MHz	19100	QPSK	1	0	High	2.87	<=13	PASS
Band2	20MHz	19100	QPSK	6	0	High	2.93	<=13	PASS
Band2	20MHz	18700	16QAM	1	0	Low	8.52	<=13	PASS
Band2	20MHz	18700	16QAM	6	0	Low	2.78	<=13	PASS
Band2	20MHz	18900	16QAM	1	0	Low	3.07	<=13	PASS
Band2	20MHz	18900	16QAM	6	0	Low	2.75	<=13	PASS
Band2	20MHz	19100	16QAM	1	0	High	8.72	<=13	PASS
Band2	20MHz	19100	16QAM	6	0	High	2.96	<=13	PASS

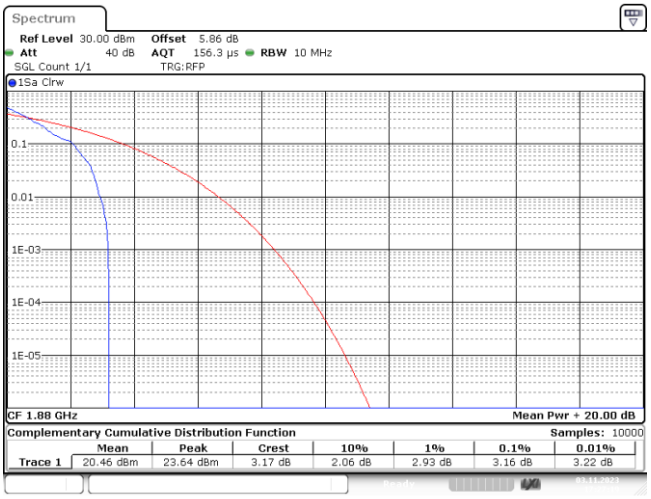
Test Graphs



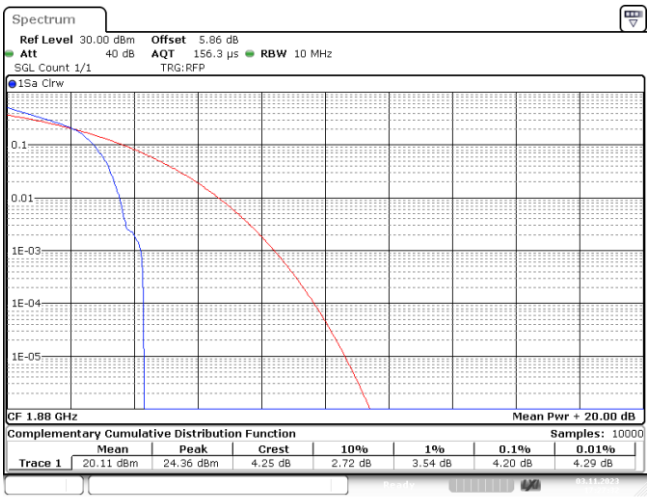
Band2-5MHz-QPSK-18625-1-0-Low-3.45-<=13-PASS



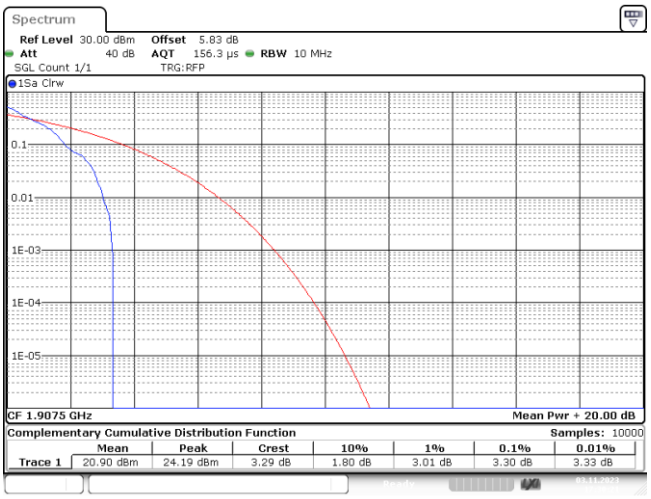
Band2-5MHz-QPSK-18625-6-0-Low-4.58-<=13-PASS



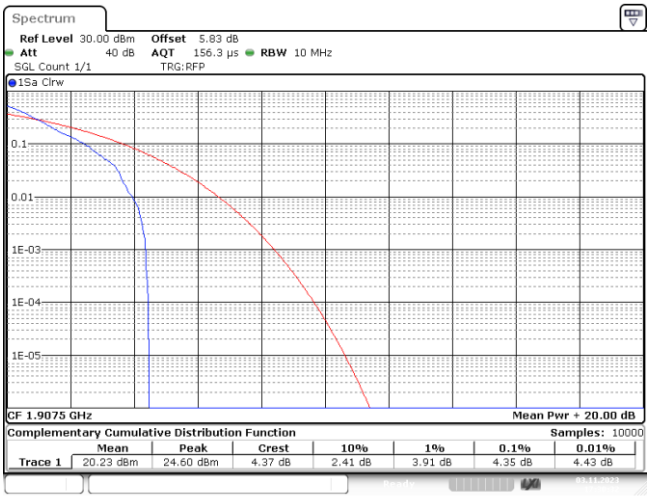
Band2-5MHz-QPSK-18900-1-0-Low-3.16-<=13-PASS



Band2-5MHz-QPSK-18900-6-0-Low-4.20-<=13-PASS



Band2-5MHz-QPSK-19175-1-0-High-3.30-<=13-PASS



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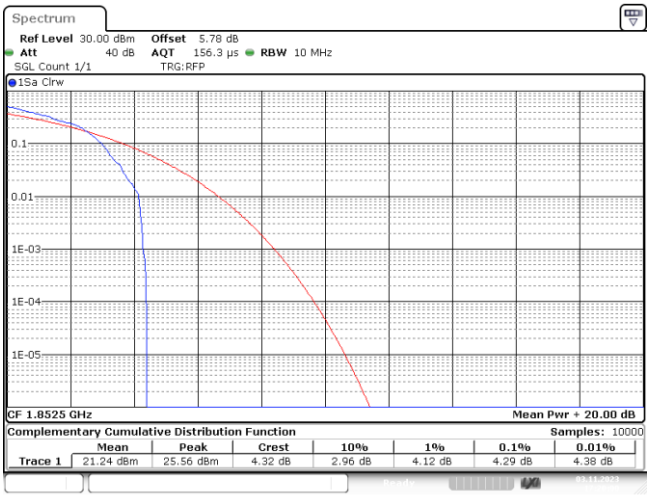
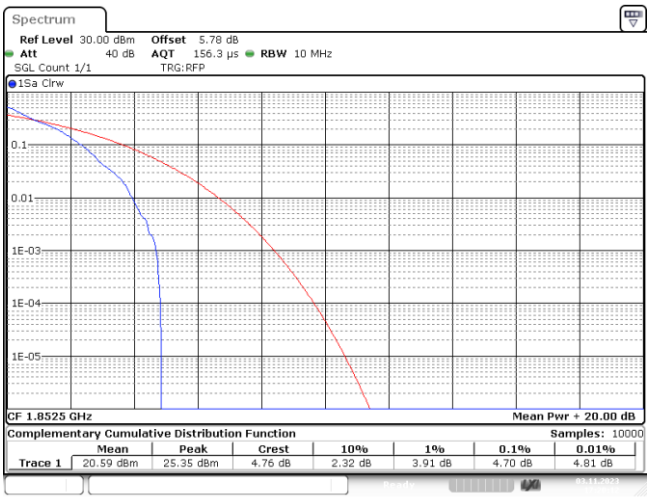
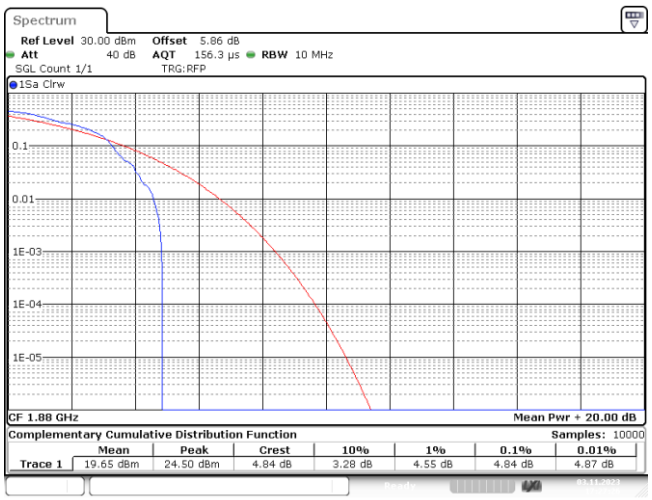


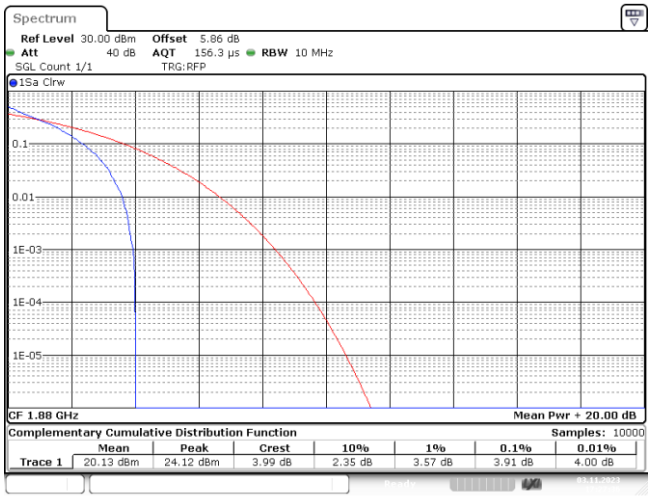
Band2-5MHz-16QAM-18625-1-0-Low-4.29-<=13-PASS



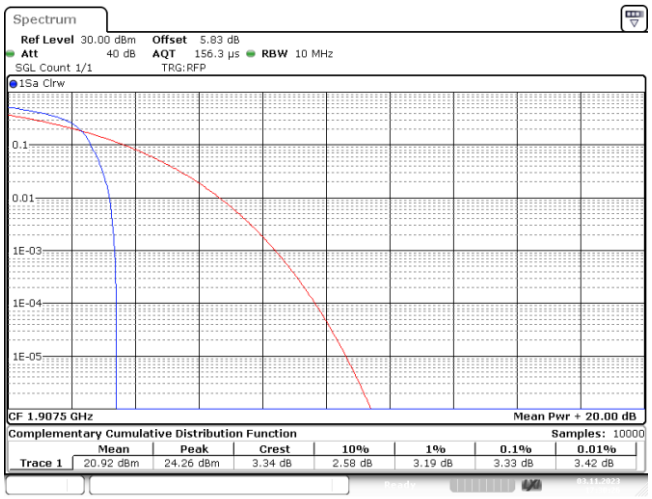
Band2-5MHz-16QAM-18625-6-0-Low-4.70-<=13-PASS



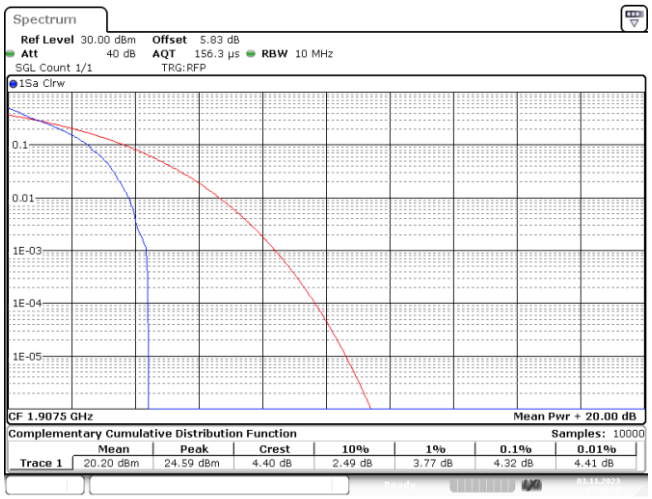
Band2-5MHz-16QAM-18900-1-0-Low-4.84-<=13-PASS



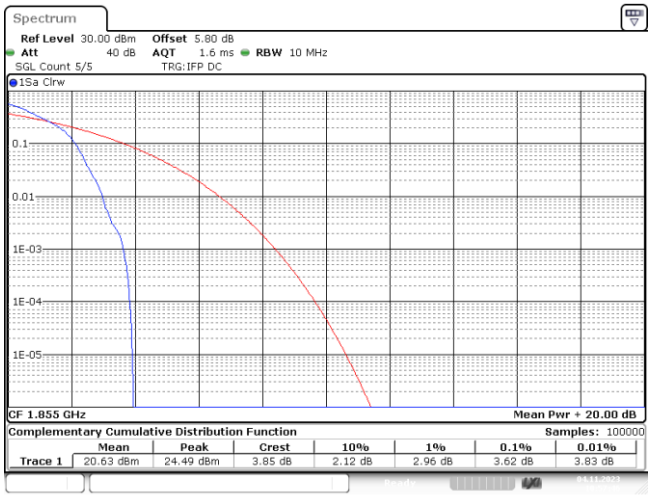
Band2-5MHz-16QAM-18900-6-0-Low-3.91-<=13-PASS



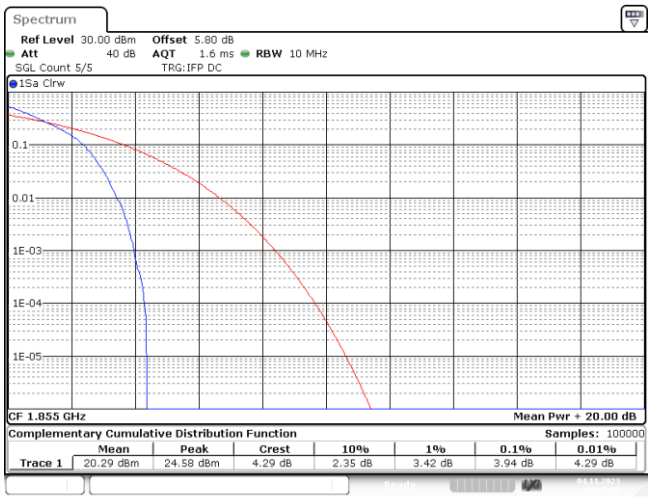
Band2-5MHz-16QAM-19175-1-0-High-3.33-<=13-PASS



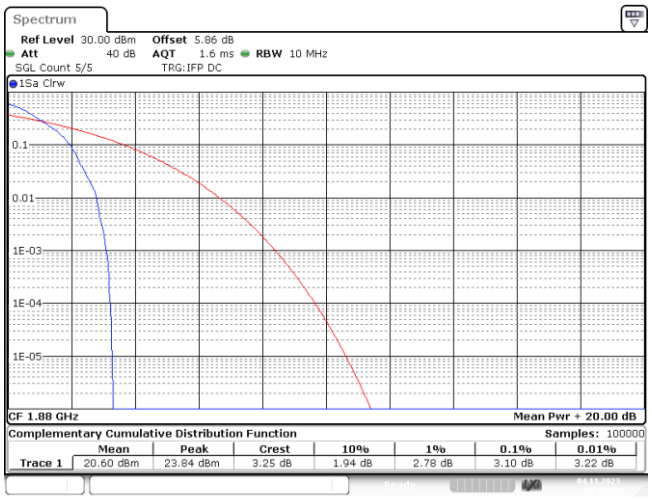
Band2-5MHz-16QAM-19175-6-0-High-4.32-<=13-PASS



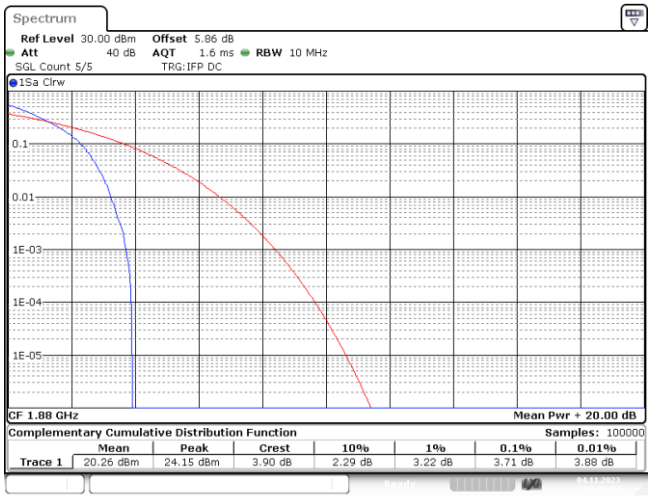
Band2-10MHz-QPSK-18650-1-0-Low-3.62-<=13-PASS



Band2-10MHz-QPSK-18650-6-0-Low-3.94-<=13-PASS



Band2-10MHz-QPSK-18900-1-0-Low-3.10-<=13-PASS



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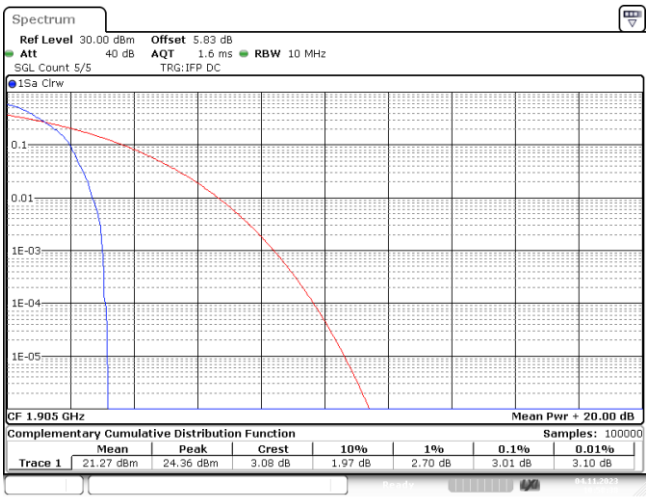
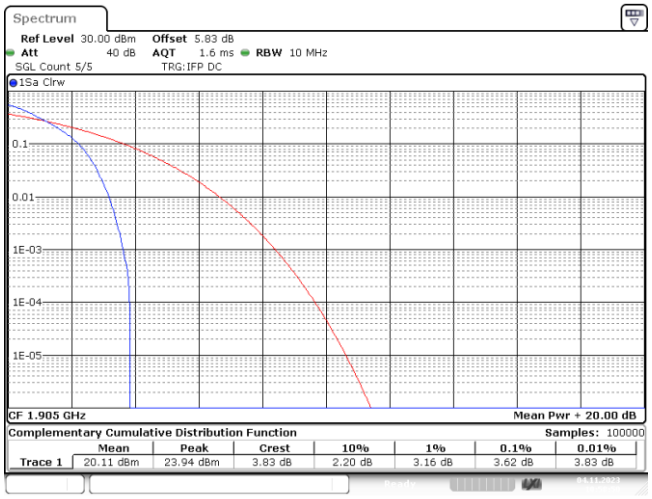
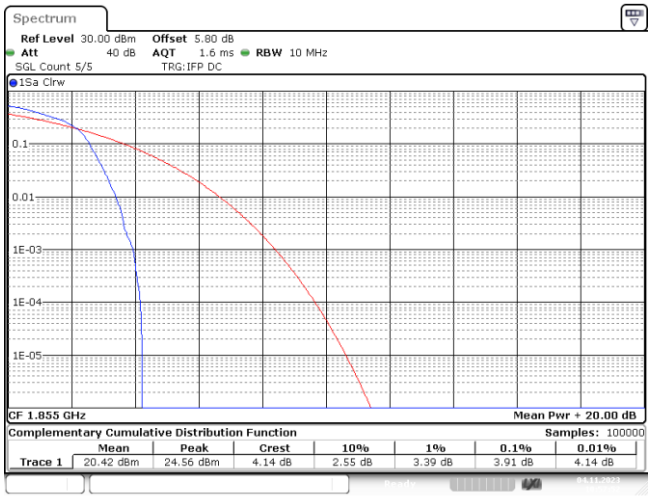


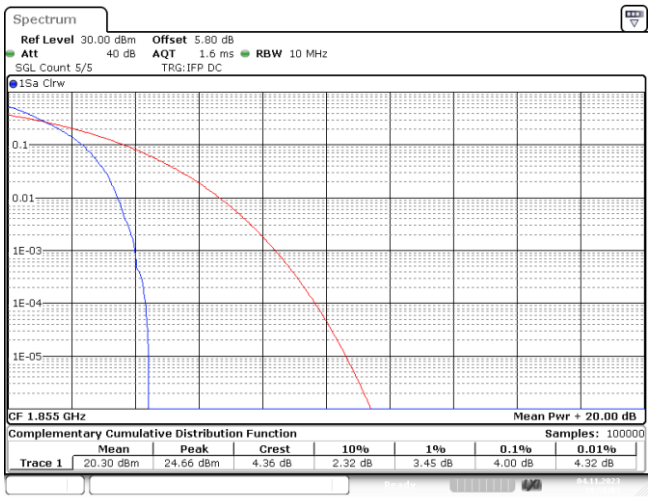
Band2-10MHz-QPSK-19150-1-0-High-3.01-<=13-PASS



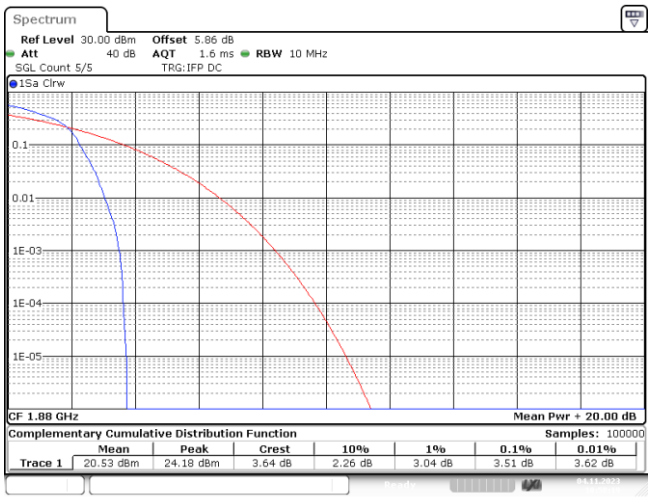
Band2-10MHz-QPSK-19150-6-0-High-3.62-<=13-PASS



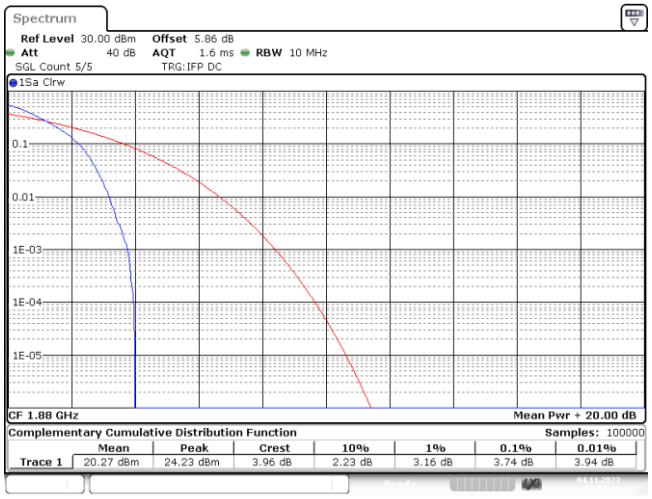
Band2-10MHz-16QAM-18650-1-0-Low-3.91-<=13-PASS



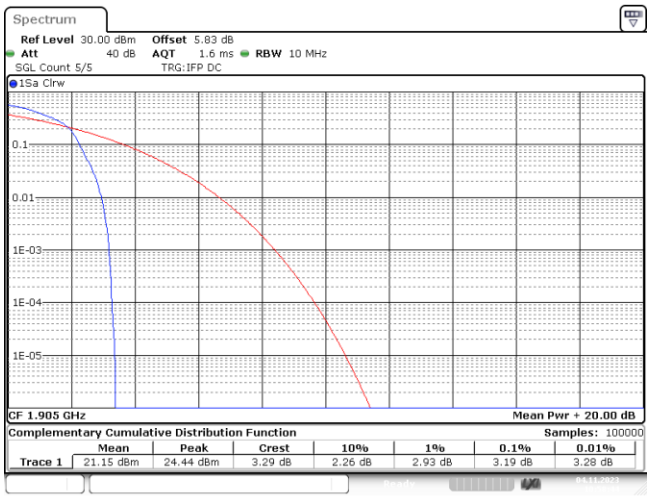
Band2-10MHz-16QAM-18650-6-0-Low-4.00-<=13-PASS



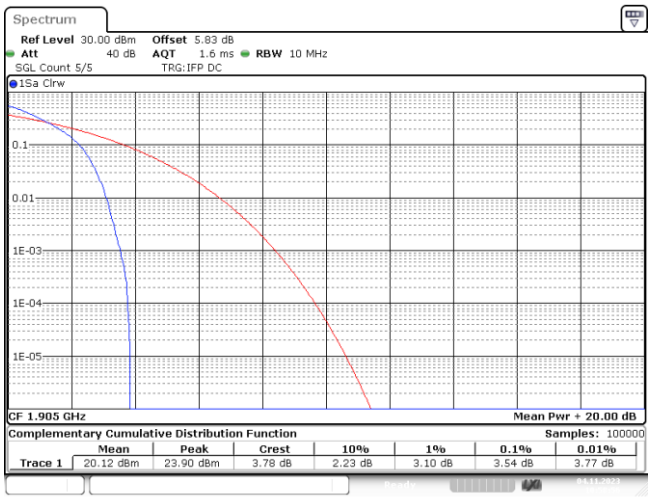
Band2-10MHz-16QAM-18900-1-0-Low-3.51-<=13-PASS



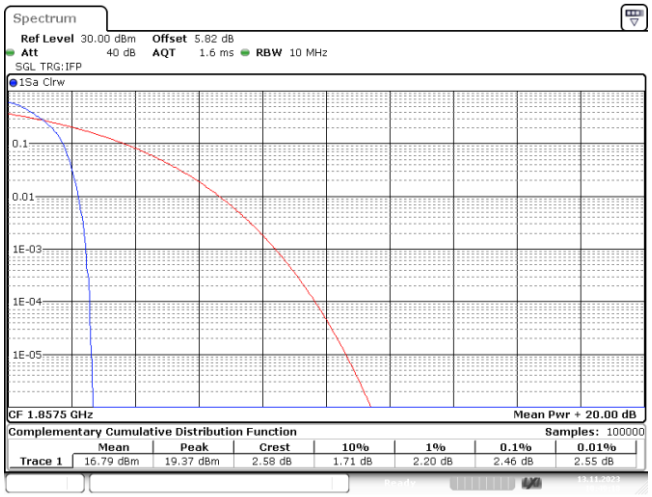
Band2-10MHz-16QAM-18900-6-0-Low-3.74-<=13-PASS



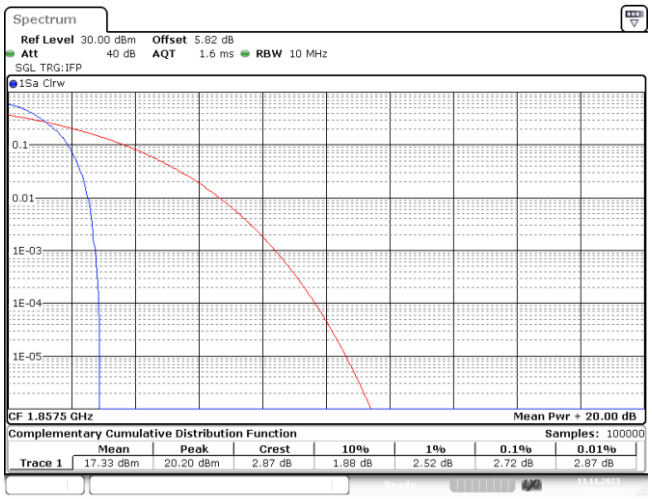
Band2-10MHz-16QAM-19150-1-0-High-3.19-<=13-PASS



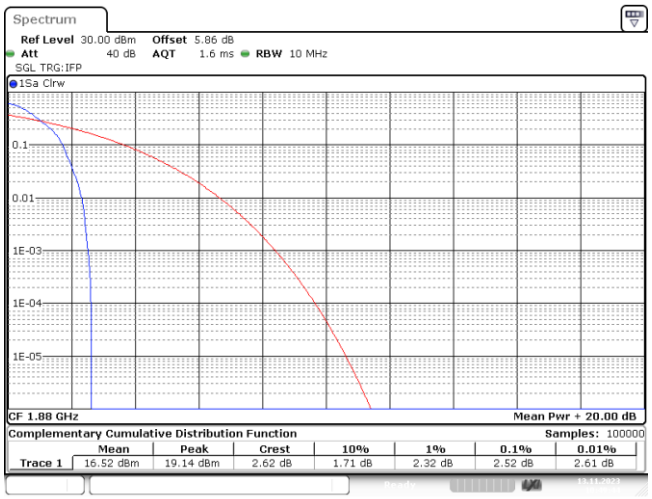
Band2-10MHz-16QAM-19150-6-0-High-3.54-<=13-PASS



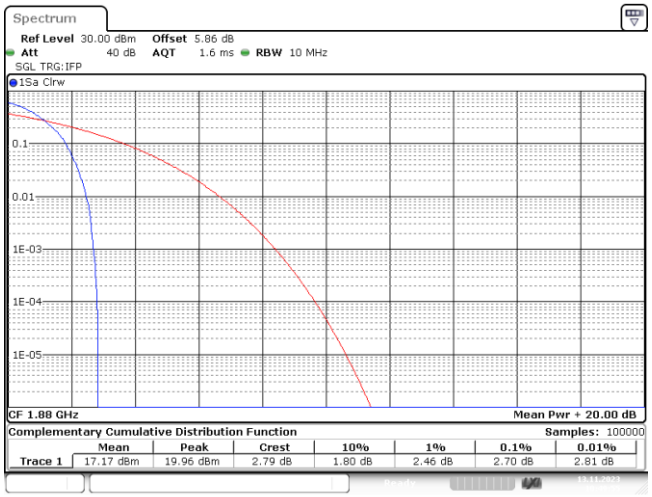
Band2-15MHz-QPSK-18675-1-0-Low-2.46-<=13-PASS



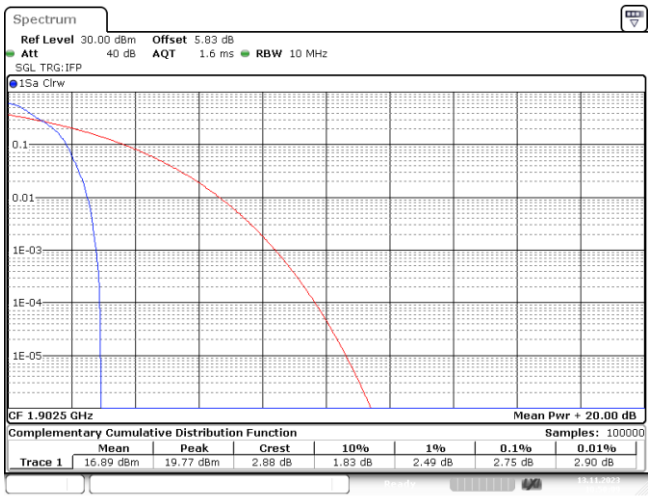
Band2-15MHz-QPSK-18675-6-0-Low-2.72-<=13-PASS



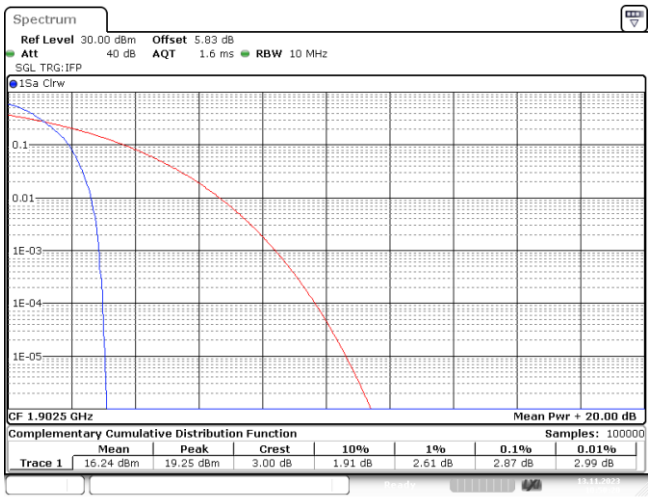
Band2-15MHz-QPSK-18900-1-0-Low-2.52-<=13-PASS



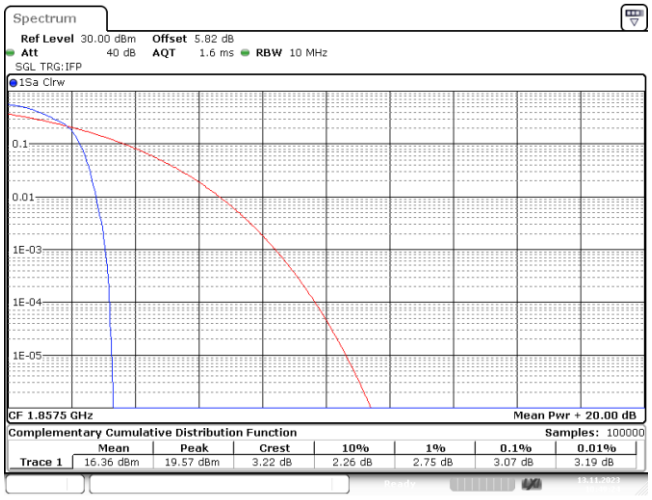
Band2-15MHz-QPSK-18900-6-0-Low-2.70-<=13-PASS



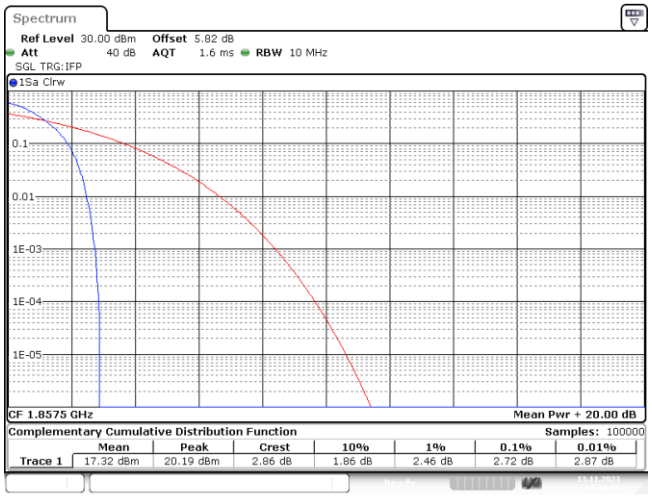
Band2-15MHz-QPSK-19125-1-0-High-2.75-<=13-PASS



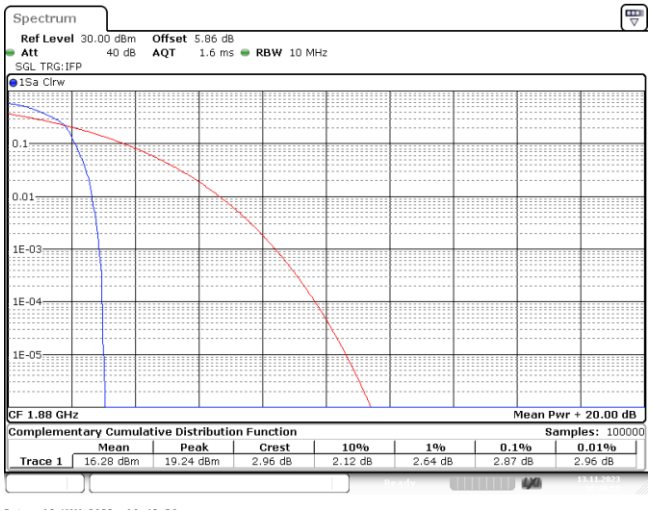
Band2-15MHz-QPSK-19125-6-0-High-2.87-<=13-PASS



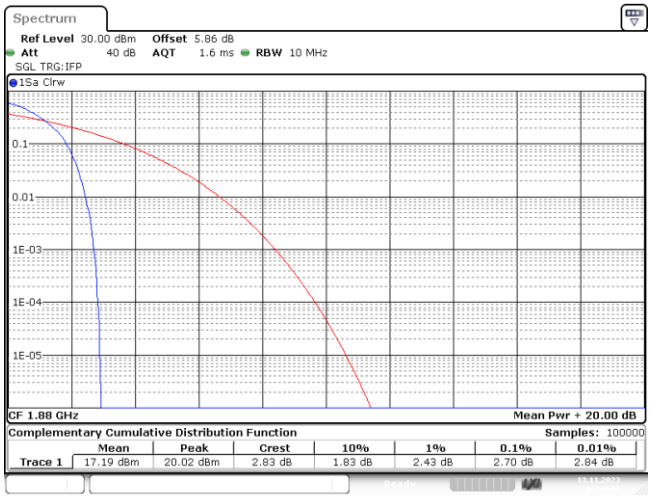
Band2-15MHz-16QAM-18675-1-0-Low-3.07-<=13-PASS



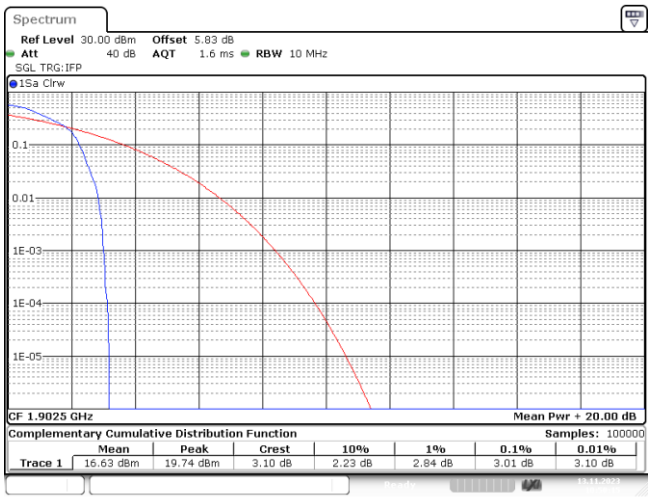
Band2-15MHz-16QAM-18675-6-0-Low-2.72-<=13-PASS



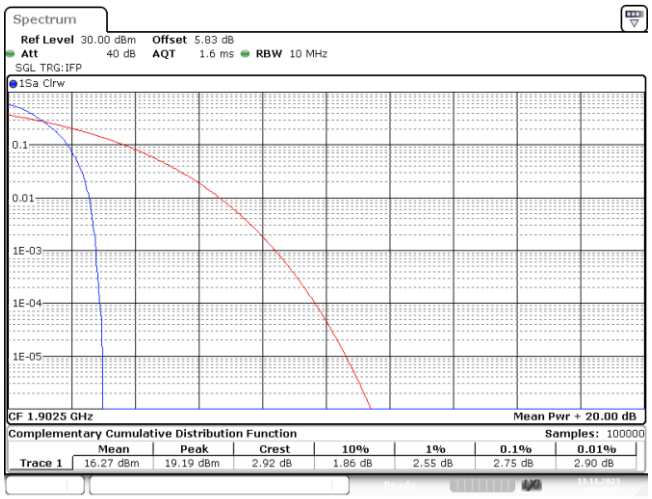
Band2-15MHz-16QAM-18900-1-0-Low-2.87-<=13-PASS



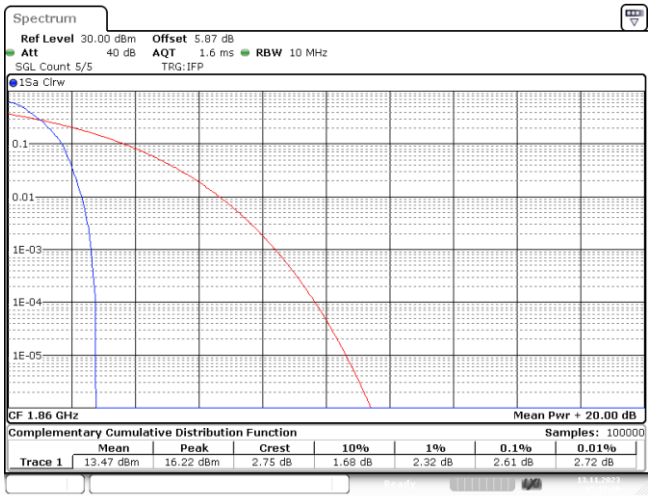
Band2-15MHz-16QAM-18900-6-0-Low-2.70-<=13-PASS



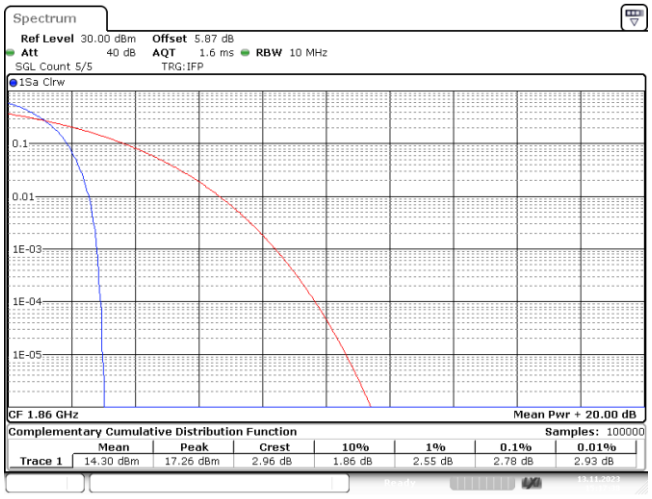
Band2-15MHz-16QAM-19125-1-0-High-3.01-<=13-PASS



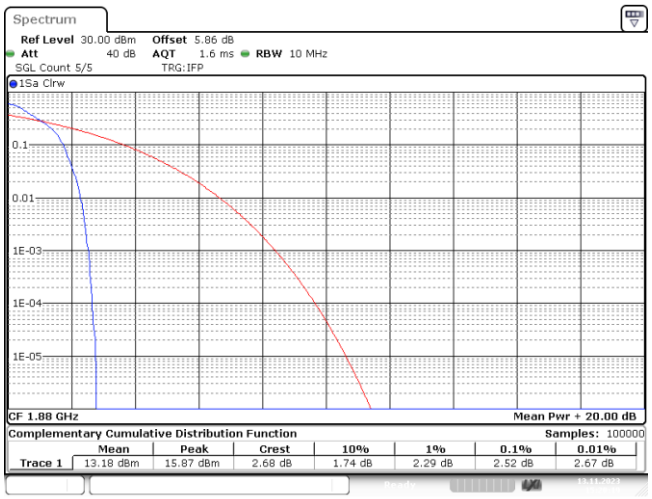
Band2-15MHz-16QAM-19125-6-0-High-2.75-<=13-PASS



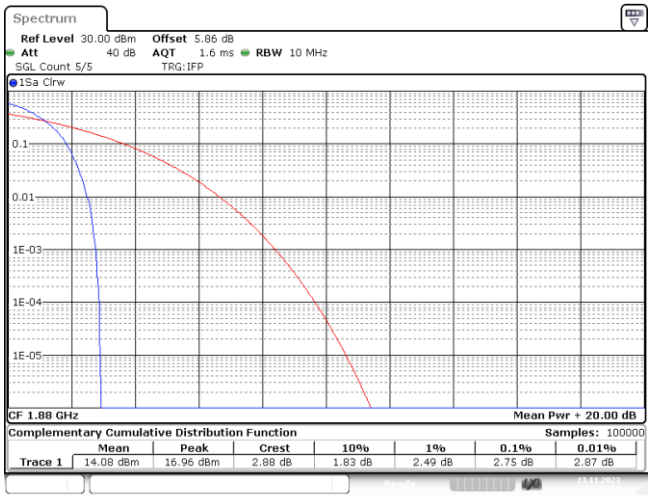
Band2-20MHz-QPSK-18700-1-0-Low-2.61-<=13-PASS



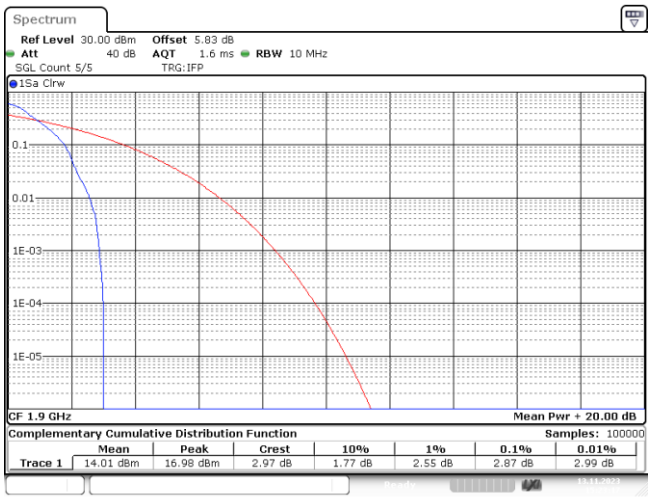
Band2-20MHz-QPSK-18700-6-0-Low-2.78-<=13-PASS



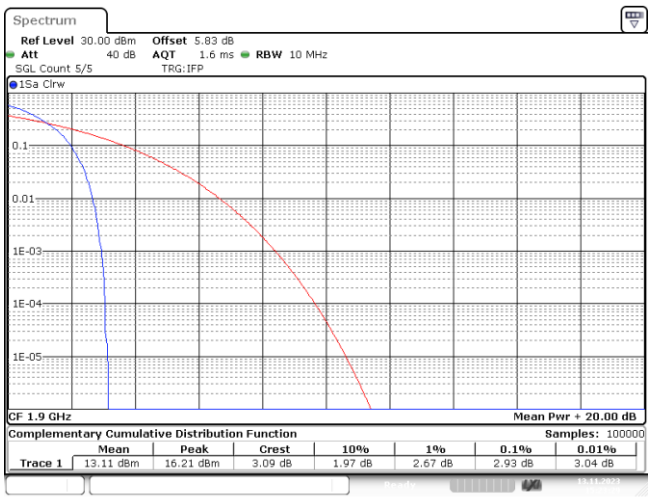
Band2-20MHz-QPSK-18900-1-0-Low-2.52-<=13-PASS



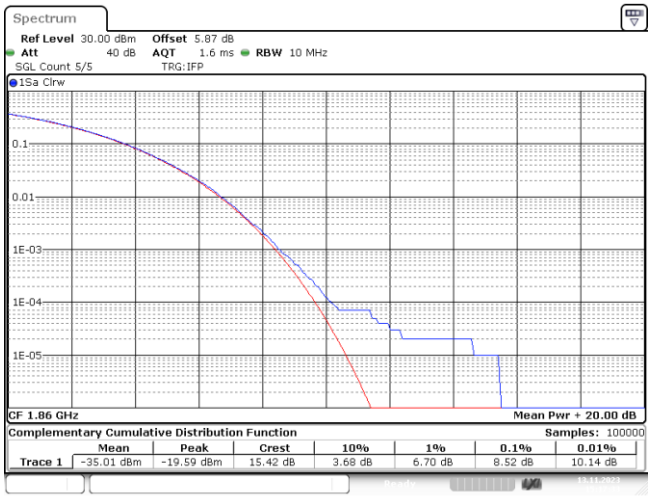
Band2-20MHz-QPSK-18900-6-0-Low-2.75-<=13-PASS



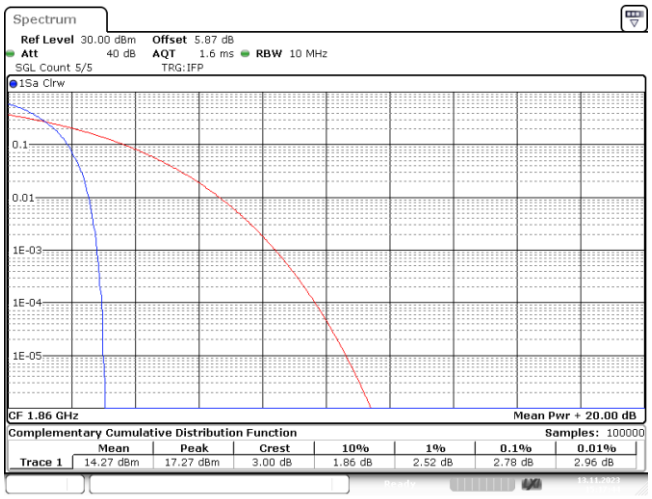
Band2-20MHz-QPSK-19100-1-0-High-2.87-<=13-PASS



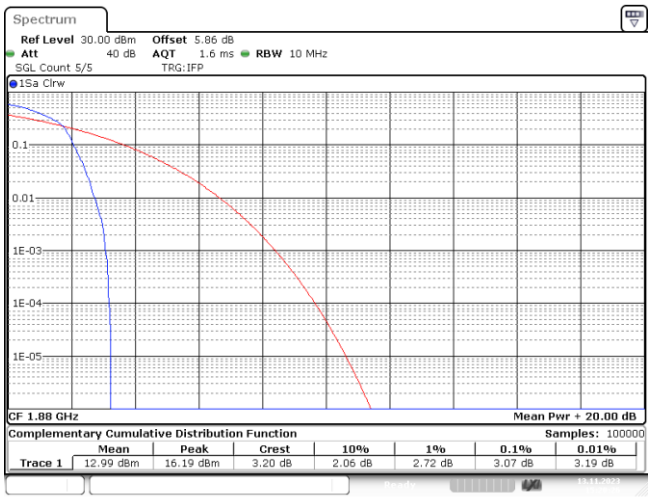
Band2-20MHz-QPSK-19100-6-0-High-2.93-<=13-PASS



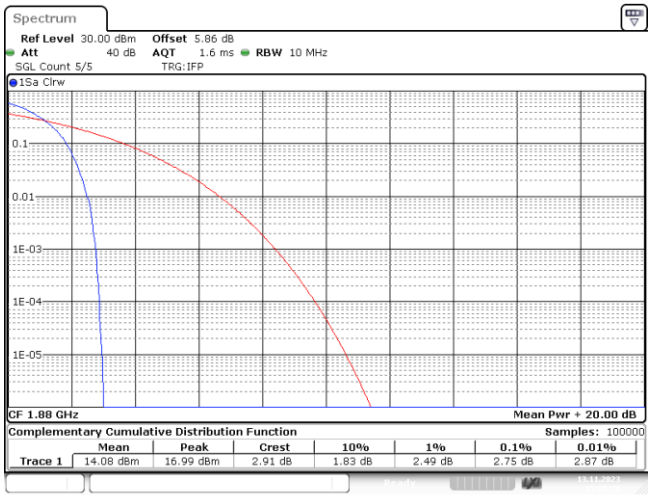
Band2-20MHz-16QAM-18700-1-0-Low-8.52-<=13-PASS



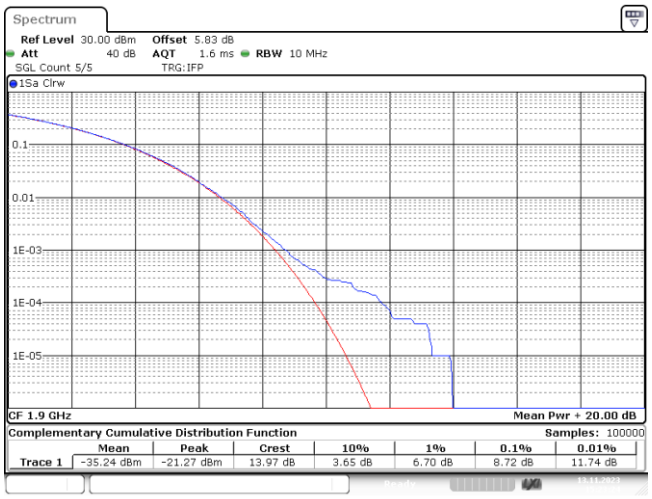
Band2-20MHz-16QAM-18700-6-0-Low-2.78-<=13-PASS



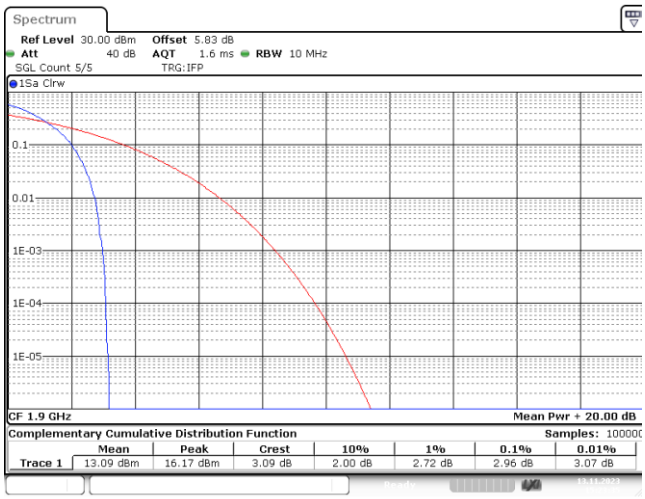
Band2-20MHz-16QAM-18900-1-0-Low-3.07-<=13-PASS



Band2-20MHz-16QAM-18900-6-0-Low-2.75-<=13-PASS



Band2-20MHz-16QAM-19100-1-0-High-8.72-<=13-PASS



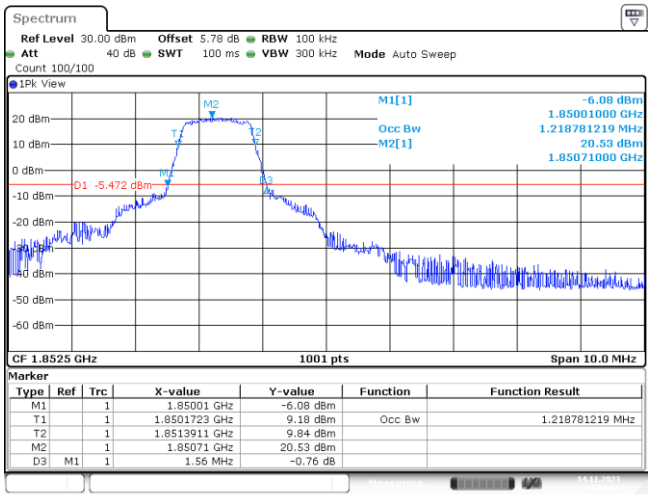
Band2-20MHz-16QAM-19100-6-0-High-2.96-<=13-PASS

Appendix C: 26dB Bandwidth and Occupied Bandwidth for M1

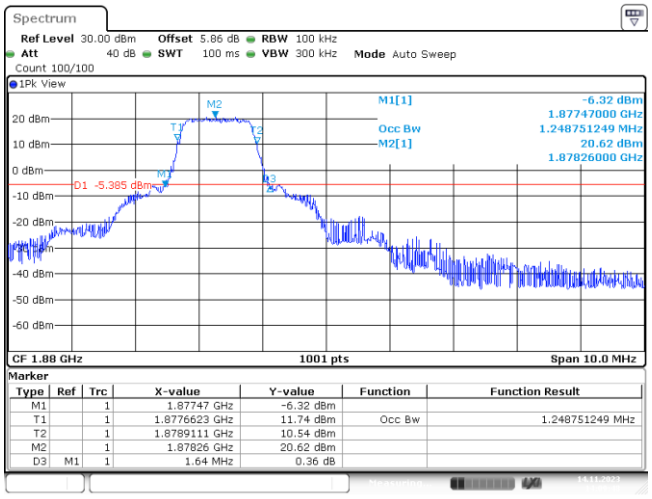
Test Result

Band	Bandwidth	Modulation	Channel	RB Size	RB Start	NB Index	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band2	5MHz	18625	QPSK	6	0	Low	1.219	1.560	PASS
Band2	5MHz	18900	QPSK	6	0	Low	1.249	1.640	PASS
Band2	5MHz	19175	QPSK	6	0	High	1.259	1.850	PASS
Band2	5MHz	18625	16QAM	6	0	Low	1.249	1.570	PASS
Band2	5MHz	18900	16QAM	6	0	Low	1.239	1.570	PASS
Band2	5MHz	19175	16QAM	6	0	High	1.249	1.570	PASS
Band2	10MHz	18650	QPSK	6	0	Low	1.399	2.160	PASS
Band2	10MHz	18900	QPSK	6	0	Low	1.419	2.280	PASS
Band2	10MHz	19150	QPSK	6	0	High	1.439	2.660	PASS
Band2	10MHz	18650	16QAM	6	0	Low	1.399	2.060	PASS
Band2	10MHz	18900	16QAM	6	0	Low	1.419	2.280	PASS
Band2	10MHz	19150	16QAM	6	0	High	1.419	2.640	PASS
Band2	15MHz	18675	QPSK	6	0	Low	1.768	3.090	PASS
Band2	15MHz	18900	QPSK	6	0	Low	1.768	3.030	PASS
Band2	15MHz	19125	QPSK	6	0	High	1.678	3.150	PASS
Band2	15MHz	18675	16QAM	6	0	Low	1.768	3.120	PASS
Band2	15MHz	18900	16QAM	6	0	Low	1.738	3.060	PASS
Band2	15MHz	19125	16QAM	6	0	High	1.678	3.180	PASS
Band2	20MHz	18700	QPSK	6	0	Low	2.038	3.000	PASS
Band2	20MHz	18900	QPSK	6	0	Low	2.078	3.320	PASS
Band2	20MHz	19100	QPSK	6	0	High	2.078	3.200	PASS
Band2	20MHz	18700	16QAM	6	0	Low	2.158	3.320	PASS
Band2	20MHz	18900	16QAM	6	0	Low	2.158	3.280	PASS
Band2	20MHz	19100	16QAM	6	0	High	2.038	3.080	PASS

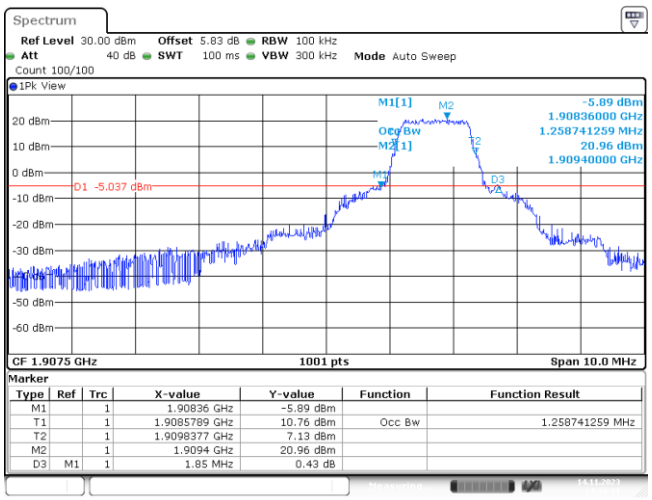
Test Graphs



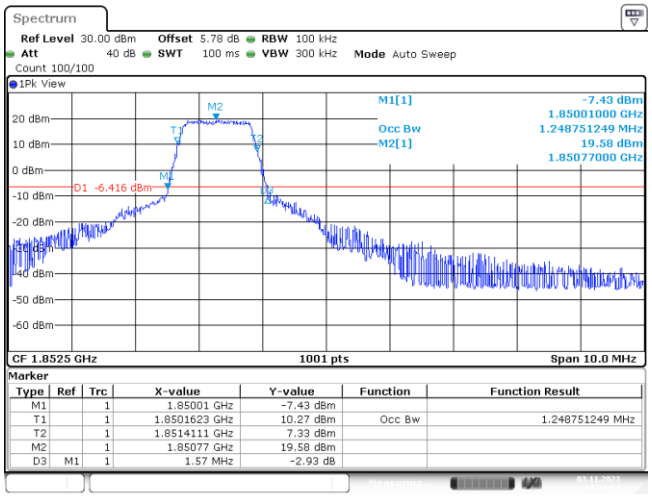
Band2-5MHz-QPSK-18625-6-0-Low-1.219-1.560-PASS



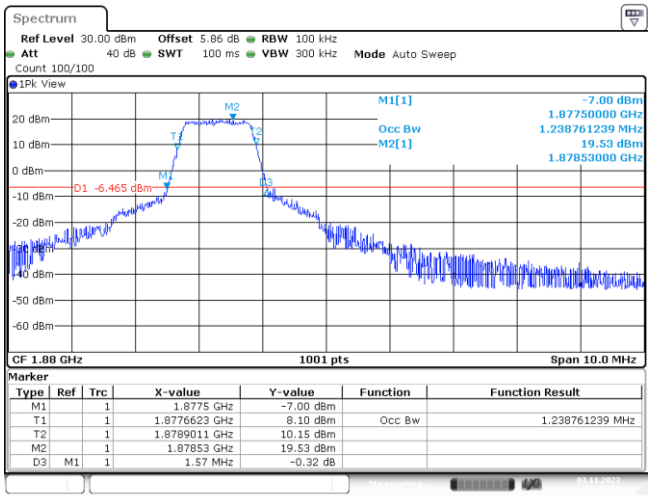
Band2-5MHz-QPSK-18900-6-0-Low-1.249-1.640-PASS



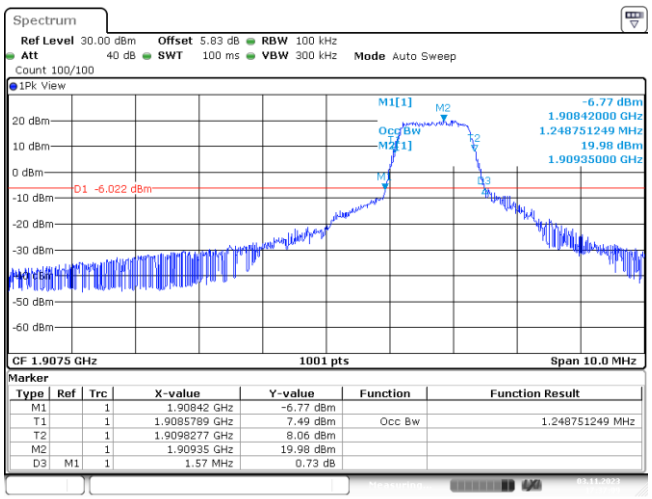
Band2-5MHz-QPSK-19175-6-0-High-1.259-1.850-PASS



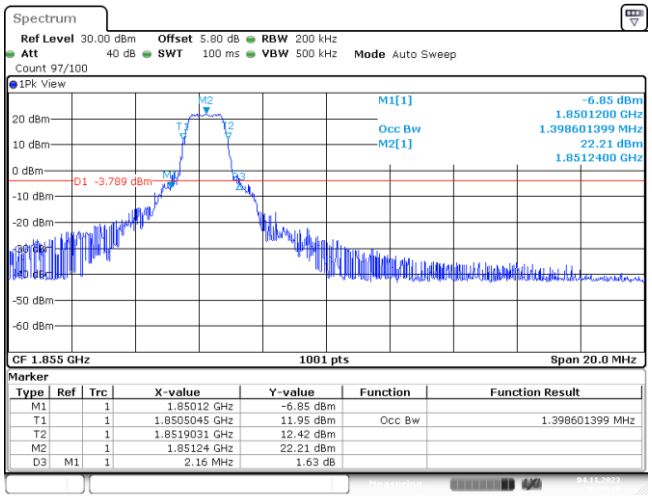
Band2-5MHz-16QAM-18625-6-0-Low-1.249-1.570-PASS



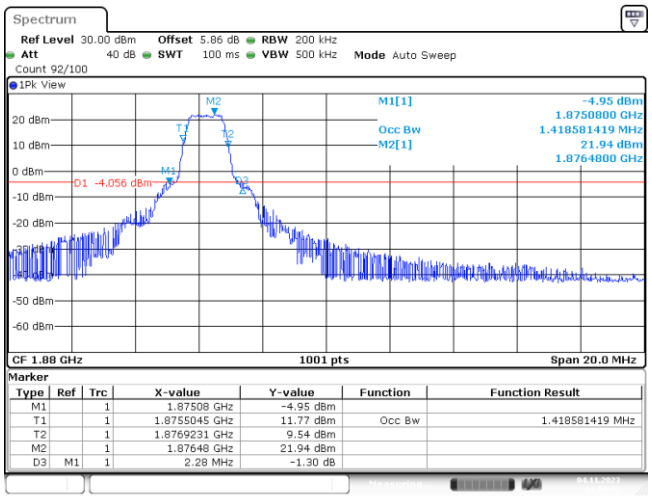
Band2-5MHz-16QAM-18900-6-0-Low-1.239-1.570-PASS



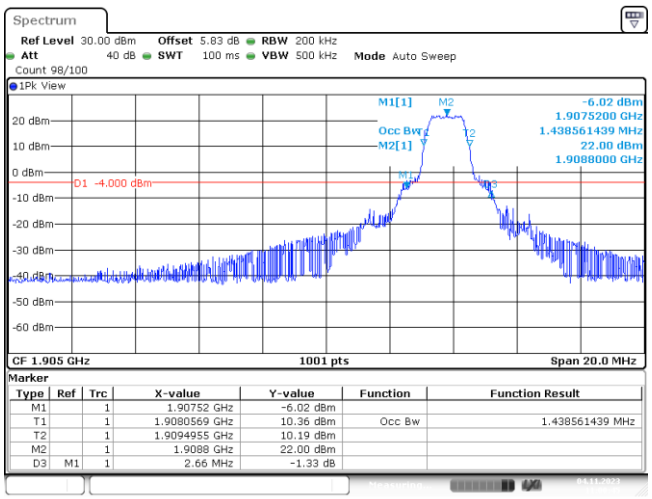
Band2-5MHz-16QAM-19175-6-0-High-1.249-1.570-PASS



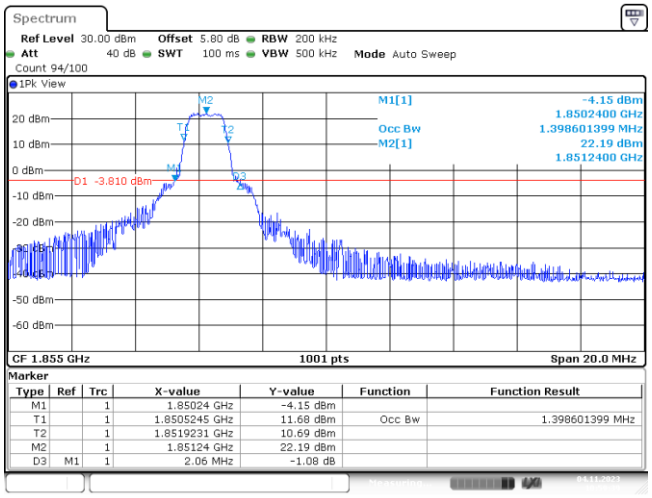
Band2-10MHz-QPSK-18650-6-0-Low-1.399-2.160-PASS



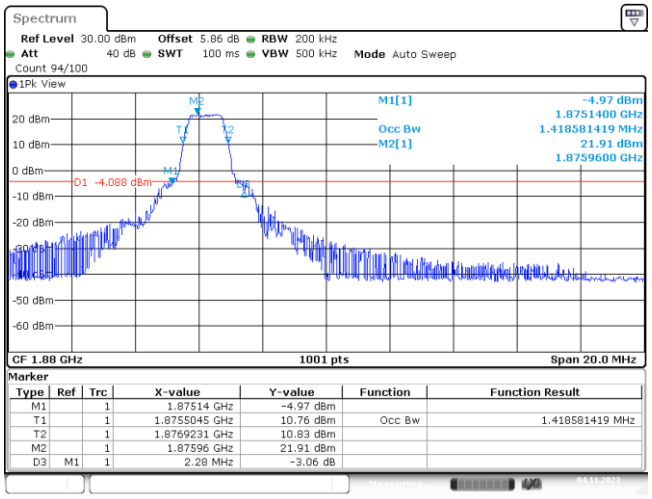
Band2-10MHz-QPSK-18900-6-0-Low-1.419-2.280-PASS



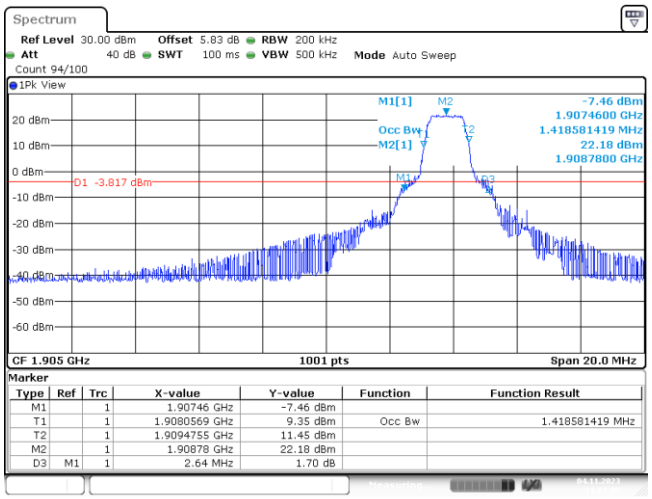
Band2-10MHz-QPSK-19150-6-0-High-1.439-2.660-PASS



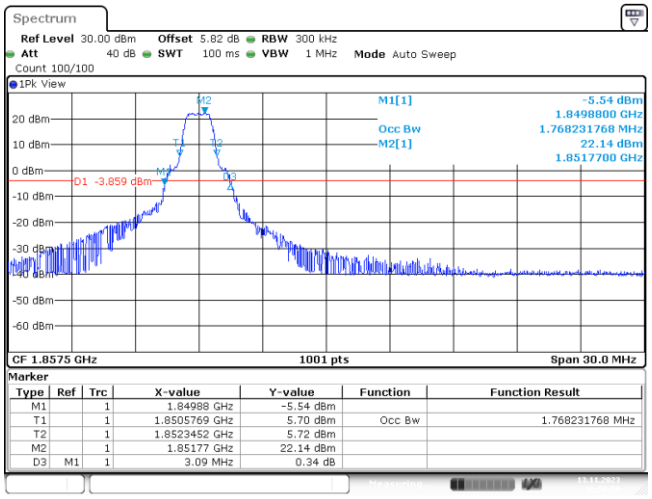
Band2-10MHz-16QAM-18650-6-0-Low-1.399-2.060-PASS



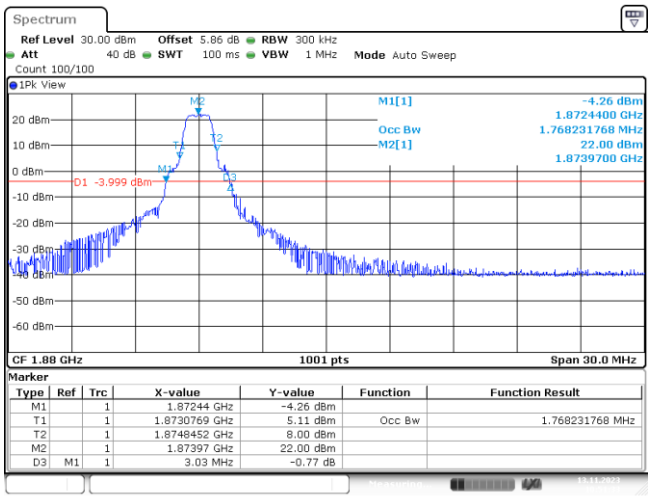
Band2-10MHz-16QAM-18900-6-0-Low-1.419-2.280-PASS



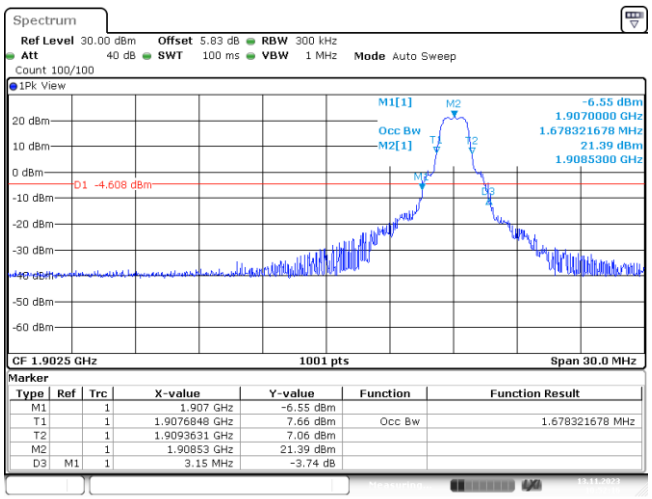
Band2-10MHz-16QAM-19150-6-0-High-1.419-2.640-PASS



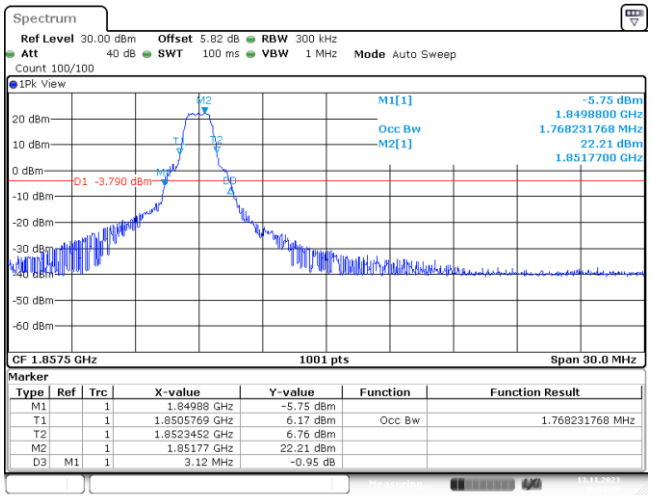
Band2-15MHz-QPSK-18675-6-0-Low-1.768-3.090-PASS



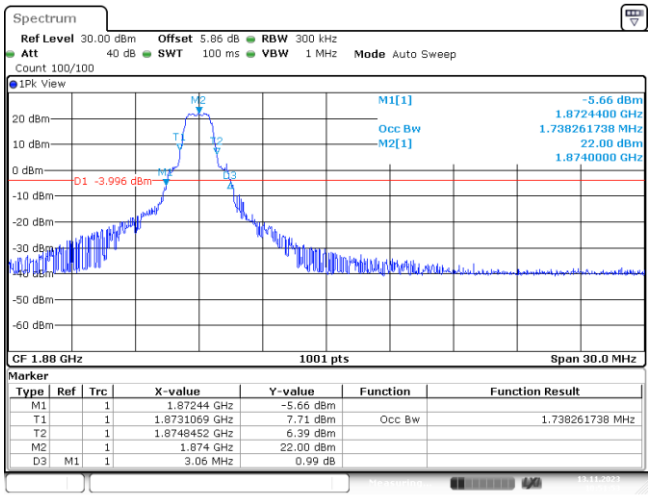
Band2-15MHz-QPSK-18900-6-0-Low-1.768-3.030-PASS



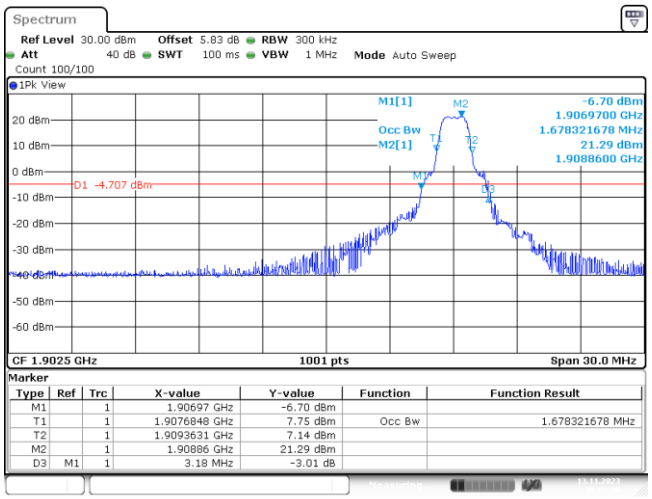
Band2-15MHz-QPSK-19125-6-0-High-1.678-3.150-PASS



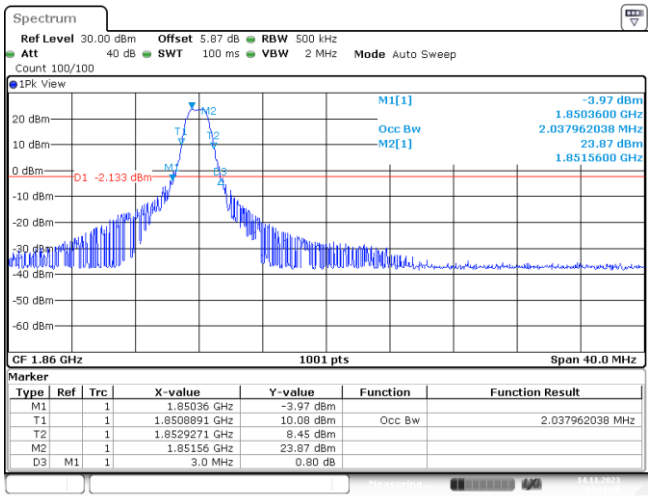
Band2-15MHz-16QAM-18675-6-0-Low-1.768-3.120-PASS



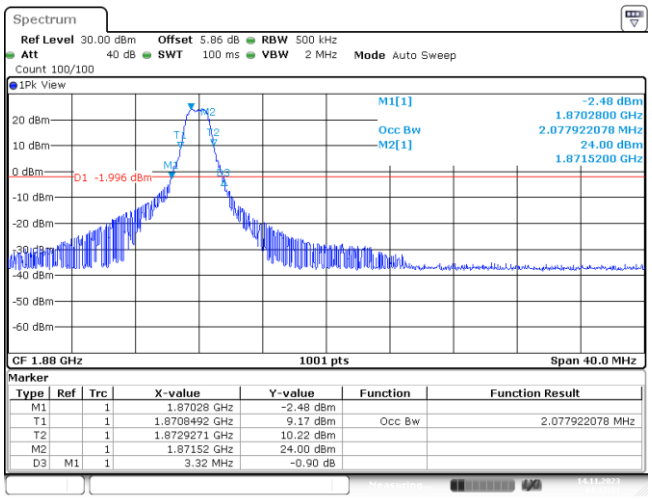
Band2-15MHz-16QAM-18900-6-0-Low-1.738-3.060-PASS



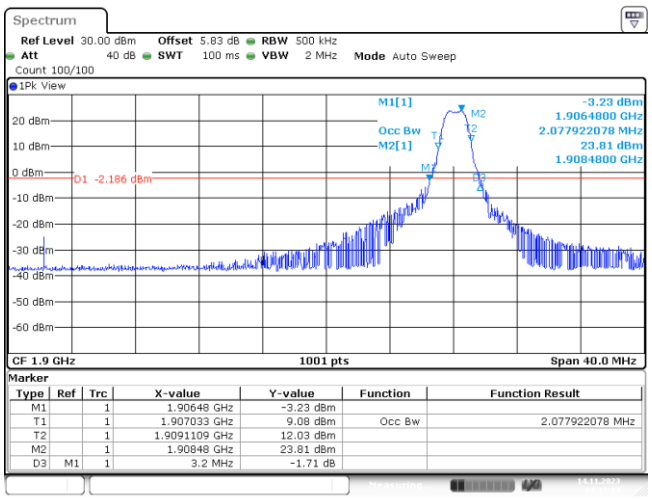
Band2-15MHz-16QAM-19125-6-0-High-1.678-3.180-PASS



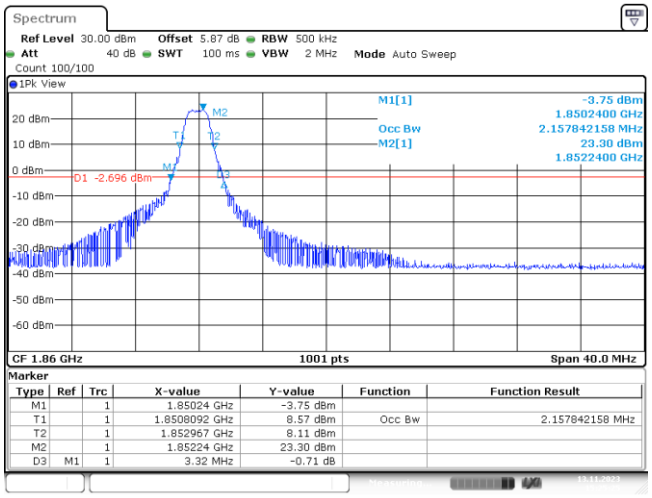
Band2-20MHz-QPSK-18700-6-0-Low-2.038-3.000-PASS



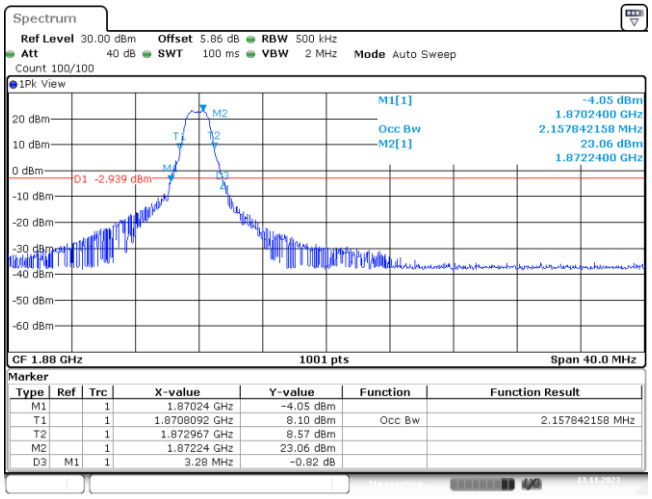
Band2-20MHz-QPSK-18900-6-0-Low-2.078-3.320-PASS



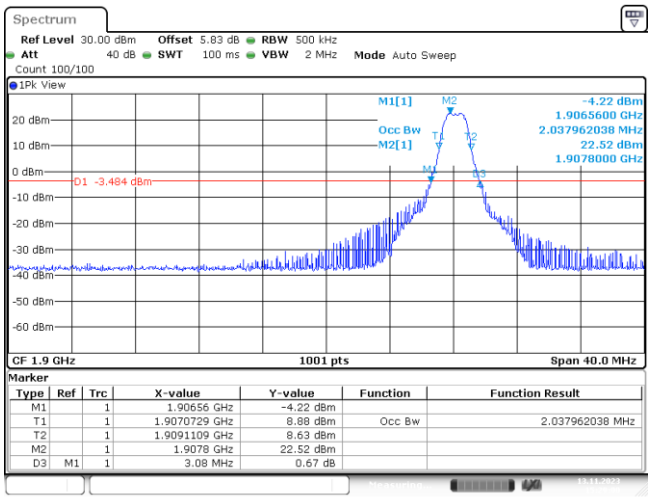
Band2-20MHz-16QAM-18700-6-0-Low-2.038-3.120-PASS



Band2-20MHz-16QAM-18700-6-0-Low-2.158-3.320-PASS



Band2-20MHz-16QAM-18900-6-0-Low-2.158-3.280-PASS



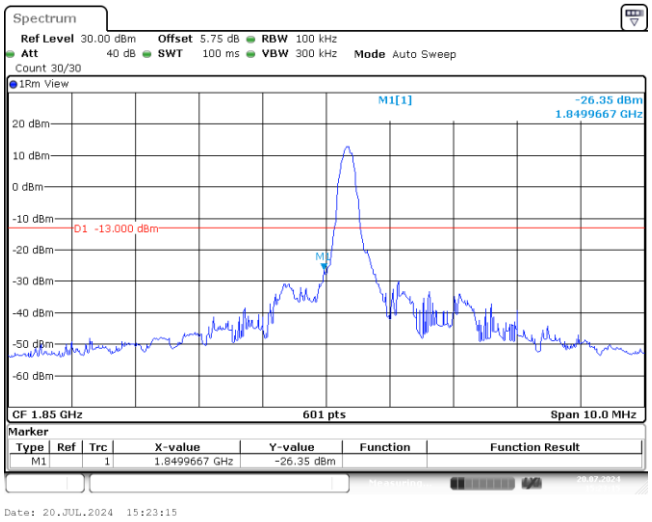
Band2-20MHz-16QAM-19100-6-0-High-2.038-3.080-PASS

Appendix D: Band Edge for M1

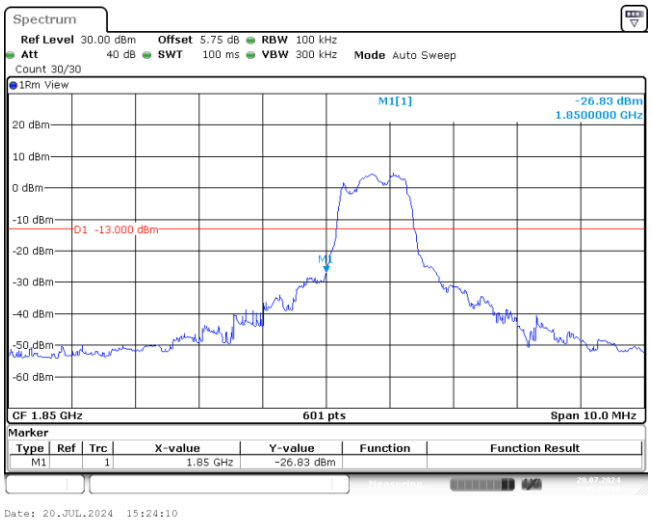
Test Result

Band	Bandwidth	Modulation	Channel	RB Size	RB Start	NB Index	Result(dBm)	Verdict
Band2	5MHz	18625	QPSK	1	0	Low	-26.35	PASS
Band2	5MHz	18625	QPSK	6	0	Low	-26.83	PASS
Band2	5MHz	19175	QPSK	1	0	High	-33.95	PASS
Band2	5MHz	19175	QPSK	6	0	High	-27.06	PASS
Band2	5MHz	18625	16QAM	1	0	Low	-28.47	PASS
Band2	5MHz	18625	16QAM	6	0	Low	-27.29	PASS
Band2	5MHz	19175	16QAM	1	0	High	-35.54	PASS
Band2	5MHz	19175	16QAM	6	0	High	-25.64	PASS
Band2	10MHz	18650	QPSK	1	0	Low	-28.45	PASS
Band2	10MHz	18650	QPSK	6	0	Low	-27.39	PASS
Band2	10MHz	19150	QPSK	1	0	High	-32.54	PASS
Band2	10MHz	19150	QPSK	6	0	High	-26.78	PASS
Band2	10MHz	18650	16QAM	1	0	Low	-27.26	PASS
Band2	10MHz	18650	16QAM	6	0	Low	-28.96	PASS
Band2	10MHz	19150	16QAM	1	0	High	-34.99	PASS
Band2	10MHz	19150	16QAM	6	0	High	-30.33	PASS
Band2	15MHz	18675	QPSK	1	0	Low	-24.94	PASS
Band2	15MHz	18675	QPSK	6	0	Low	-25.86	PASS
Band2	15MHz	19125	QPSK	1	0	High	-34.21	PASS
Band2	15MHz	19125	QPSK	6	0	High	-25.68	PASS
Band2	15MHz	18675	16QAM	1	0	Low	-23.63	PASS
Band2	15MHz	18675	16QAM	6	0	Low	-26.19	PASS
Band2	15MHz	19125	16QAM	1	0	High	-34.75	PASS
Band2	15MHz	19125	16QAM	6	0	High	-25.88	PASS
Band2	20MHz	18700	QPSK	1	0	Low	-28.52	PASS
Band2	20MHz	18700	QPSK	6	0	Low	-28.90	PASS
Band2	20MHz	19100	QPSK	1	0	High	-37.99	PASS
Band2	20MHz	19100	QPSK	6	0	High	-29.13	PASS
Band2	20MHz	18700	16QAM	1	0	Low	-31.24	PASS
Band2	20MHz	18700	16QAM	6	0	Low	-28.57	PASS
Band2	20MHz	19100	16QAM	1	0	High	-36.57	PASS
Band2	20MHz	19100	16QAM	6	0	High	-29.71	PASS

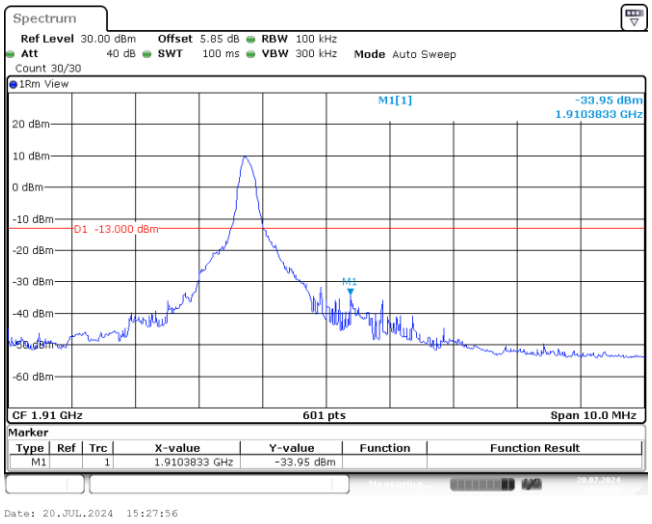
Test Graphs



Band2-5MHz-QPSK-18625-1-0-Low--26.35-PASS



Band2-5MHz-QPSK-18625-6-0-Low--26.83-PASS



Band2-5MHz-QPSK-19175-1-0-High--33.95-PASS