

Appendix for LTE Band 2

Applicant: UCLOUDLINK (SINGAPORE) PTE.LTD

**Address: 80 ROBINSON ROAD #02-00
SINGAPORE(068898)**

Product Name: 4G Wireless Data Terminal

Model: GLMD25A01

TABLE OF CONTENTS

APPENDIX A: CONDUCTED POWER OUTPUT DATA.....	3
APPENDIX B: PEAK-TO-AVERAGE RATIO(CCDF).....	9
APPENDIX C: 26DB BANDWIDTH AND OCCUPIED BANDWIDTH	35
APPENDIX D: BAND EDGE	48
APPENDIX E: CONDUCTED SPURIOUS EMISSION.....	74
APPENDIX F: FREQUENCY STABILITY	139

Appendix A: Conducted Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band2	1.4MHz	QPSK	18607	1RB#0	23.20	PASS
Band2	1.4MHz	16QAM	18607	1RB#0	22.60	PASS
Band2	1.4MHz	QPSK	18607	1RB#2	23.24	PASS
Band2	1.4MHz	16QAM	18607	1RB#2	22.57	PASS
Band2	1.4MHz	QPSK	18607	1RB#5	23.26	PASS
Band2	1.4MHz	16QAM	18607	1RB#5	22.81	PASS
Band2	1.4MHz	QPSK	18607	3RB#0	23.41	PASS
Band2	1.4MHz	16QAM	18607	3RB#0	23.36	PASS
Band2	1.4MHz	QPSK	18607	3RB#1	23.34	PASS
Band2	1.4MHz	16QAM	18607	3RB#1	23.32	PASS
Band2	1.4MHz	QPSK	18607	3RB#3	23.28	PASS
Band2	1.4MHz	16QAM	18607	3RB#3	23.28	PASS
Band2	1.4MHz	QPSK	18607	6RB#0	22.34	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	21.63	PASS
Band2	1.4MHz	QPSK	18900	1RB#0	22.61	PASS
Band2	1.4MHz	16QAM	18900	1RB#0	21.64	PASS
Band2	1.4MHz	QPSK	18900	1RB#2	22.64	PASS
Band2	1.4MHz	16QAM	18900	1RB#2	21.61	PASS
Band2	1.4MHz	QPSK	18900	1RB#5	22.75	PASS
Band2	1.4MHz	16QAM	18900	1RB#5	21.82	PASS
Band2	1.4MHz	QPSK	18900	3RB#0	22.78	PASS
Band2	1.4MHz	16QAM	18900	3RB#0	22.75	PASS
Band2	1.4MHz	QPSK	18900	3RB#1	22.74	PASS
Band2	1.4MHz	16QAM	18900	3RB#1	22.73	PASS
Band2	1.4MHz	QPSK	18900	3RB#3	22.86	PASS
Band2	1.4MHz	16QAM	18900	3RB#3	22.85	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	21.76	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	20.80	PASS
Band2	1.4MHz	QPSK	19193	1RB#0	23.09	PASS
Band2	1.4MHz	16QAM	19193	1RB#0	21.94	PASS
Band2	1.4MHz	QPSK	19193	1RB#2	23.07	PASS
Band2	1.4MHz	16QAM	19193	1RB#2	22.00	PASS
Band2	1.4MHz	QPSK	19193	1RB#5	23.06	PASS
Band2	1.4MHz	16QAM	19193	1RB#5	21.94	PASS
Band2	1.4MHz	QPSK	19193	3RB#0	23.16	PASS
Band2	1.4MHz	16QAM	19193	3RB#0	23.13	PASS
Band2	1.4MHz	QPSK	19193	3RB#1	23.13	PASS
Band2	1.4MHz	16QAM	19193	3RB#1	23.12	PASS

Band2	1.4MHz	QPSK	19193	3RB#3	23.13	PASS
Band2	1.4MHz	16QAM	19193	3RB#3	23.14	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	22.07	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	21.30	PASS
Band2	3MHz	QPSK	18615	1RB#0	23.31	PASS
Band2	3MHz	16QAM	18615	1RB#0	22.06	PASS
Band2	3MHz	QPSK	18615	1RB#8	23.34	PASS
Band2	3MHz	16QAM	18615	1RB#8	22.00	PASS
Band2	3MHz	QPSK	18615	1RB#14	23.15	PASS
Band2	3MHz	16QAM	18615	1RB#14	22.02	PASS
Band2	3MHz	QPSK	18615	8RB#0	22.29	PASS
Band2	3MHz	16QAM	18615	8RB#0	22.23	PASS
Band2	3MHz	QPSK	18615	8RB#4	22.26	PASS
Band2	3MHz	16QAM	18615	8RB#4	22.21	PASS
Band2	3MHz	QPSK	18615	8RB#7	22.27	PASS
Band2	3MHz	16QAM	18615	8RB#7	22.27	PASS
Band2	3MHz	QPSK	18615	15RB#0	22.27	PASS
Band2	3MHz	16QAM	18615	15RB#0	21.34	PASS
Band2	3MHz	QPSK	18900	1RB#0	22.58	PASS
Band2	3MHz	16QAM	18900	1RB#0	21.63	PASS
Band2	3MHz	QPSK	18900	1RB#8	22.73	PASS
Band2	3MHz	16QAM	18900	1RB#8	21.78	PASS
Band2	3MHz	QPSK	18900	1RB#14	22.71	PASS
Band2	3MHz	16QAM	18900	1RB#14	21.65	PASS
Band2	3MHz	QPSK	18900	8RB#0	21.87	PASS
Band2	3MHz	16QAM	18900	8RB#0	21.66	PASS
Band2	3MHz	QPSK	18900	8RB#4	21.69	PASS
Band2	3MHz	16QAM	18900	8RB#4	21.79	PASS
Band2	3MHz	QPSK	18900	8RB#7	21.75	PASS
Band2	3MHz	16QAM	18900	8RB#7	21.72	PASS
Band2	3MHz	QPSK	18900	15RB#0	21.73	PASS
Band2	3MHz	16QAM	18900	15RB#0	20.77	PASS
Band2	3MHz	QPSK	19185	1RB#0	23.01	PASS
Band2	3MHz	16QAM	19185	1RB#0	21.82	PASS
Band2	3MHz	QPSK	19185	1RB#8	23.15	PASS
Band2	3MHz	16QAM	19185	1RB#8	21.93	PASS
Band2	3MHz	QPSK	19185	1RB#14	23.07	PASS
Band2	3MHz	16QAM	19185	1RB#14	21.99	PASS
Band2	3MHz	QPSK	19185	8RB#0	22.08	PASS
Band2	3MHz	16QAM	19185	8RB#0	22.08	PASS
Band2	3MHz	QPSK	19185	8RB#4	22.08	PASS
Band2	3MHz	16QAM	19185	8RB#4	22.08	PASS
Band2	3MHz	QPSK	19185	8RB#7	22.08	PASS

Band2	3MHz	16QAM	19185	8RB#7	22.08	PASS
Band2	3MHz	QPSK	19185	15RB#0	22.13	PASS
Band2	3MHz	16QAM	19185	15RB#0	21.20	PASS
Band2	5MHz	QPSK	18625	1RB#0	23.35	PASS
Band2	5MHz	16QAM	18625	1RB#0	21.71	PASS
Band2	5MHz	QPSK	18625	1RB#12	23.28	PASS
Band2	5MHz	16QAM	18625	1RB#12	21.59	PASS
Band2	5MHz	QPSK	18625	1RB#24	23.24	PASS
Band2	5MHz	16QAM	18625	1RB#24	21.55	PASS
Band2	5MHz	QPSK	18625	12RB#0	22.21	PASS
Band2	5MHz	16QAM	18625	12RB#0	22.33	PASS
Band2	5MHz	QPSK	18625	12RB#6	22.33	PASS
Band2	5MHz	16QAM	18625	12RB#6	22.33	PASS
Band2	5MHz	QPSK	18625	12RB#13	22.20	PASS
Band2	5MHz	16QAM	18625	12RB#13	22.28	PASS
Band2	5MHz	QPSK	18625	25RB#0	22.25	PASS
Band2	5MHz	16QAM	18625	25RB#0	21.40	PASS
Band2	5MHz	QPSK	18900	1RB#0	22.70	PASS
Band2	5MHz	16QAM	18900	1RB#0	21.76	PASS
Band2	5MHz	QPSK	18900	1RB#12	22.77	PASS
Band2	5MHz	16QAM	18900	1RB#12	21.94	PASS
Band2	5MHz	QPSK	18900	1RB#24	22.99	PASS
Band2	5MHz	16QAM	18900	1RB#24	22.11	PASS
Band2	5MHz	QPSK	18900	12RB#0	21.65	PASS
Band2	5MHz	16QAM	18900	12RB#0	21.71	PASS
Band2	5MHz	QPSK	18900	12RB#6	21.65	PASS
Band2	5MHz	16QAM	18900	12RB#6	21.73	PASS
Band2	5MHz	QPSK	18900	12RB#13	21.77	PASS
Band2	5MHz	16QAM	18900	12RB#13	21.73	PASS
Band2	5MHz	QPSK	18900	25RB#0	21.73	PASS
Band2	5MHz	16QAM	18900	25RB#0	20.81	PASS
Band2	5MHz	QPSK	19175	1RB#0	22.94	PASS
Band2	5MHz	16QAM	19175	1RB#0	21.55	PASS
Band2	5MHz	QPSK	19175	1RB#12	22.98	PASS
Band2	5MHz	16QAM	19175	1RB#12	21.63	PASS
Band2	5MHz	QPSK	19175	1RB#24	23.07	PASS
Band2	5MHz	16QAM	19175	1RB#24	21.73	PASS
Band2	5MHz	QPSK	19175	12RB#0	21.94	PASS
Band2	5MHz	16QAM	19175	12RB#0	21.98	PASS
Band2	5MHz	QPSK	19175	12RB#6	21.98	PASS
Band2	5MHz	16QAM	19175	12RB#6	21.97	PASS
Band2	5MHz	QPSK	19175	12RB#13	22.02	PASS
Band2	5MHz	16QAM	19175	12RB#13	22.06	PASS

Band2	5MHz	QPSK	19175	25RB#0	21.89	PASS
Band2	5MHz	16QAM	19175	25RB#0	21.22	PASS
Band2	10MHz	QPSK	18650	1RB#0	23.28	PASS
Band2	10MHz	16QAM	18650	1RB#0	22.35	PASS
Band2	10MHz	QPSK	18650	1RB#24	23.00	PASS
Band2	10MHz	16QAM	18650	1RB#24	22.27	PASS
Band2	10MHz	QPSK	18650	1RB#49	23.10	PASS
Band2	10MHz	16QAM	18650	1RB#49	22.15	PASS
Band2	10MHz	QPSK	18650	25RB#0	22.28	PASS
Band2	10MHz	16QAM	18650	25RB#0	22.26	PASS
Band2	10MHz	QPSK	18650	25RB#12	22.26	PASS
Band2	10MHz	16QAM	18650	25RB#12	22.26	PASS
Band2	10MHz	QPSK	18650	25RB#25	22.06	PASS
Band2	10MHz	16QAM	18650	25RB#25	22.08	PASS
Band2	10MHz	QPSK	18650	50RB#0	22.10	PASS
Band2	10MHz	16QAM	18650	50RB#0	21.28	PASS
Band2	10MHz	QPSK	18900	1RB#0	22.75	PASS
Band2	10MHz	16QAM	18900	1RB#0	21.67	PASS
Band2	10MHz	QPSK	18900	1RB#24	22.73	PASS
Band2	10MHz	16QAM	18900	1RB#24	21.66	PASS
Band2	10MHz	QPSK	18900	1RB#49	23.12	PASS
Band2	10MHz	16QAM	18900	1RB#49	22.00	PASS
Band2	10MHz	QPSK	18900	25RB#0	21.77	PASS
Band2	10MHz	16QAM	18900	25RB#0	21.78	PASS
Band2	10MHz	QPSK	18900	25RB#12	21.71	PASS
Band2	10MHz	16QAM	18900	25RB#12	21.76	PASS
Band2	10MHz	QPSK	18900	25RB#25	21.98	PASS
Band2	10MHz	16QAM	18900	25RB#25	22.00	PASS
Band2	10MHz	QPSK	18900	50RB#0	21.72	PASS
Band2	10MHz	16QAM	18900	50RB#0	20.84	PASS
Band2	10MHz	QPSK	19150	1RB#0	22.99	PASS
Band2	10MHz	16QAM	19150	1RB#0	22.67	PASS
Band2	10MHz	QPSK	19150	1RB#24	22.80	PASS
Band2	10MHz	16QAM	19150	1RB#24	22.54	PASS
Band2	10MHz	QPSK	19150	1RB#49	22.93	PASS
Band2	10MHz	16QAM	19150	1RB#49	22.68	PASS
Band2	10MHz	QPSK	19150	25RB#0	21.99	PASS
Band2	10MHz	16QAM	19150	25RB#0	22.04	PASS
Band2	10MHz	QPSK	19150	25RB#12	22.03	PASS
Band2	10MHz	16QAM	19150	25RB#12	22.01	PASS
Band2	10MHz	QPSK	19150	25RB#25	21.92	PASS
Band2	10MHz	16QAM	19150	25RB#25	21.89	PASS
Band2	10MHz	QPSK	19150	50RB#0	21.93	PASS

Band2	10MHz	16QAM	19150	50RB#0	21.13	PASS
Band2	15MHz	QPSK	18675	1RB#0	23.24	PASS
Band2	15MHz	16QAM	18675	1RB#0	22.42	PASS
Band2	15MHz	QPSK	18675	1RB#38	23.11	PASS
Band2	15MHz	16QAM	18675	1RB#38	22.12	PASS
Band2	15MHz	QPSK	18675	1RB#74	22.97	PASS
Band2	15MHz	16QAM	18675	1RB#74	22.11	PASS
Band2	15MHz	QPSK	18675	38RB#0	22.11	PASS
Band2	15MHz	16QAM	18675	38RB#0	22.12	PASS
Band2	15MHz	QPSK	18675	38RB#18	22.12	PASS
Band2	15MHz	16QAM	18675	38RB#18	22.13	PASS
Band2	15MHz	QPSK	18675	38RB#37	22.14	PASS
Band2	15MHz	16QAM	18675	38RB#37	22.14	PASS
Band2	15MHz	QPSK	18675	75RB#0	22.14	PASS
Band2	15MHz	16QAM	18675	75RB#0	21.29	PASS
Band2	15MHz	QPSK	18900	1RB#0	22.55	PASS
Band2	15MHz	16QAM	18900	1RB#0	21.68	PASS
Band2	15MHz	QPSK	18900	1RB#38	22.58	PASS
Band2	15MHz	16QAM	18900	1RB#38	21.74	PASS
Band2	15MHz	QPSK	18900	1RB#74	22.91	PASS
Band2	15MHz	16QAM	18900	1RB#74	22.04	PASS
Band2	15MHz	QPSK	18900	38RB#0	21.65	PASS
Band2	15MHz	16QAM	18900	38RB#0	21.64	PASS
Band2	15MHz	QPSK	18900	38RB#18	21.64	PASS
Band2	15MHz	16QAM	18900	38RB#18	21.63	PASS
Band2	15MHz	QPSK	18900	38RB#37	21.64	PASS
Band2	15MHz	16QAM	18900	38RB#37	21.63	PASS
Band2	15MHz	QPSK	18900	75RB#0	21.63	PASS
Band2	15MHz	16QAM	18900	75RB#0	20.82	PASS
Band2	15MHz	QPSK	19125	1RB#0	23.21	PASS
Band2	15MHz	16QAM	19125	1RB#0	22.82	PASS
Band2	15MHz	QPSK	19125	1RB#38	22.94	PASS
Band2	15MHz	16QAM	19125	1RB#38	22.71	PASS
Band2	15MHz	QPSK	19125	1RB#74	22.97	PASS
Band2	15MHz	16QAM	19125	1RB#74	22.65	PASS
Band2	15MHz	QPSK	19125	38RB#0	21.98	PASS
Band2	15MHz	16QAM	19125	38RB#0	21.96	PASS
Band2	15MHz	QPSK	19125	38RB#18	21.95	PASS
Band2	15MHz	16QAM	19125	38RB#18	21.95	PASS
Band2	15MHz	QPSK	19125	38RB#37	21.95	PASS
Band2	15MHz	16QAM	19125	38RB#37	21.95	PASS
Band2	15MHz	QPSK	19125	75RB#0	21.95	PASS
Band2	15MHz	16QAM	19125	75RB#0	21.16	PASS

Band2	20MHz	QPSK	18700	1RB#0	23.43	PASS
Band2	20MHz	16QAM	18700	1RB#0	22.08	PASS
Band2	20MHz	QPSK	18700	1RB#49	23.23	PASS
Band2	20MHz	16QAM	18700	1RB#49	21.93	PASS
Band2	20MHz	QPSK	18700	1RB#99	23.07	PASS
Band2	20MHz	16QAM	18700	1RB#99	21.79	PASS
Band2	20MHz	QPSK	18700	50RB#0	22.06	PASS
Band2	20MHz	16QAM	18700	50RB#0	22.08	PASS
Band2	20MHz	QPSK	18700	50RB#25	22.10	PASS
Band2	20MHz	16QAM	18700	50RB#25	22.10	PASS
Band2	20MHz	QPSK	18700	50RB#50	21.93	PASS
Band2	20MHz	16QAM	18700	50RB#50	22.05	PASS
Band2	20MHz	QPSK	18700	100RB#0	22.00	PASS
Band2	20MHz	16QAM	18700	100RB#0	21.19	PASS
Band2	20MHz	QPSK	18900	1RB#0	22.86	PASS
Band2	20MHz	16QAM	18900	1RB#0	22.75	PASS
Band2	20MHz	QPSK	18900	1RB#49	22.79	PASS
Band2	20MHz	16QAM	18900	1RB#49	22.64	PASS
Band2	20MHz	QPSK	18900	1RB#99	23.38	PASS
Band2	20MHz	16QAM	18900	1RB#99	23.22	PASS
Band2	20MHz	QPSK	18900	50RB#0	21.75	PASS
Band2	20MHz	16QAM	18900	50RB#0	21.76	PASS
Band2	20MHz	QPSK	18900	50RB#25	21.69	PASS
Band2	20MHz	16QAM	18900	50RB#25	21.74	PASS
Band2	20MHz	QPSK	18900	50RB#50	22.04	PASS
Band2	20MHz	16QAM	18900	50RB#50	22.21	PASS
Band2	20MHz	QPSK	18900	100RB#0	21.77	PASS
Band2	20MHz	16QAM	18900	100RB#0	20.85	PASS
Band2	20MHz	QPSK	19100	1RB#0	23.28	PASS
Band2	20MHz	16QAM	19100	1RB#0	22.14	PASS
Band2	20MHz	QPSK	19100	1RB#49	23.17	PASS
Band2	20MHz	16QAM	19100	1RB#49	21.98	PASS
Band2	20MHz	QPSK	19100	1RB#99	23.07	PASS
Band2	20MHz	16QAM	19100	1RB#99	21.87	PASS
Band2	20MHz	QPSK	19100	50RB#0	22.16	PASS
Band2	20MHz	16QAM	19100	50RB#0	22.14	PASS
Band2	20MHz	QPSK	19100	50RB#25	22.14	PASS
Band2	20MHz	16QAM	19100	50RB#25	22.21	PASS
Band2	20MHz	QPSK	19100	50RB#50	21.95	PASS
Band2	20MHz	16QAM	19100	50RB#50	21.92	PASS
Band2	20MHz	QPSK	19100	100RB#0	22.15	PASS
Band2	20MHz	16QAM	19100	100RB#0	21.25	PASS

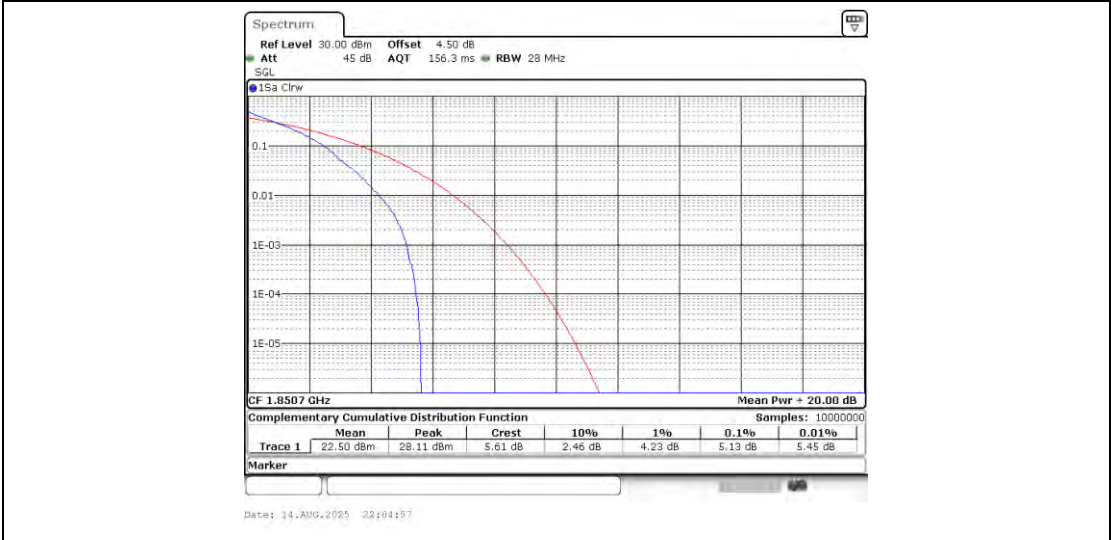
Appendix B: Peak-to-Average Ratio(CCDF)

Test Result

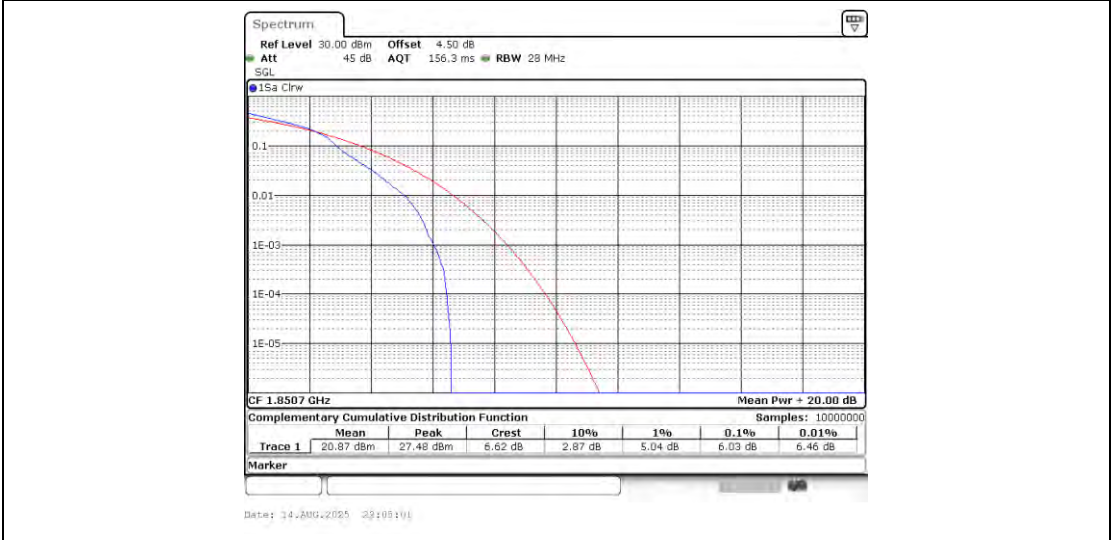
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band2	1.4MHz	QPSK	18607	1RB#0	5.13	13	PASS
Band2	1.4MHz	16QAM	18607	1RB#0	6.03	13	PASS
Band2	1.4MHz	QPSK	18607	6RB#0	5.51	13	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	6.26	13	PASS
Band2	1.4MHz	QPSK	18900	1RB#0	5.42	13	PASS
Band2	1.4MHz	16QAM	18900	1RB#0	6.58	13	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	5.65	13	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	6.41	13	PASS
Band2	1.4MHz	QPSK	19193	1RB#0	4.41	13	PASS
Band2	1.4MHz	16QAM	19193	1RB#0	5.30	13	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	5.01	13	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	5.74	13	PASS
Band2	3MHz	QPSK	18615	1RB#0	5.10	13	PASS
Band2	3MHz	16QAM	18615	1RB#0	6.26	13	PASS
Band2	3MHz	QPSK	18615	15RB#0	5.45	13	PASS
Band2	3MHz	16QAM	18615	15RB#0	6.26	13	PASS
Band2	3MHz	QPSK	18900	1RB#0	5.51	13	PASS
Band2	3MHz	16QAM	18900	1RB#0	6.43	13	PASS
Band2	3MHz	QPSK	18900	15RB#0	5.62	13	PASS
Band2	3MHz	16QAM	18900	15RB#0	6.38	13	PASS
Band2	3MHz	QPSK	19185	1RB#0	4.72	13	PASS
Band2	3MHz	16QAM	19185	1RB#0	5.83	13	PASS
Band2	3MHz	QPSK	19185	15RB#0	5.10	13	PASS
Band2	3MHz	16QAM	19185	15RB#0	5.91	13	PASS
Band2	5MHz	QPSK	18625	1RB#0	5.01	13	PASS
Band2	5MHz	16QAM	18625	1RB#0	5.74	13	PASS
Band2	5MHz	QPSK	18625	25RB#0	5.57	13	PASS
Band2	5MHz	16QAM	18625	25RB#0	6.23	13	PASS
Band2	5MHz	QPSK	18900	1RB#0	5.62	13	PASS
Band2	5MHz	16QAM	18900	1RB#0	6.03	13	PASS
Band2	5MHz	QPSK	18900	25RB#0	5.65	13	PASS
Band2	5MHz	16QAM	18900	25RB#0	6.29	13	PASS
Band2	5MHz	QPSK	19175	1RB#0	5.04	13	PASS
Band2	5MHz	16QAM	19175	1RB#0	5.68	13	PASS
Band2	5MHz	QPSK	19175	25RB#0	5.25	13	PASS
Band2	5MHz	16QAM	19175	25RB#0	5.97	13	PASS
Band2	10MHz	QPSK	18650	1RB#0	5.16	13	PASS
Band2	10MHz	16QAM	18650	1RB#0	5.97	13	PASS

Band2	10MHz	QPSK	18650	50RB#0	5.51	13	PASS
Band2	10MHz	16QAM	18650	50RB#0	6.26	13	PASS
Band2	10MHz	QPSK	18900	1RB#0	5.51	13	PASS
Band2	10MHz	16QAM	18900	1RB#0	6.35	13	PASS
Band2	10MHz	QPSK	18900	50RB#0	5.68	13	PASS
Band2	10MHz	16QAM	18900	50RB#0	6.35	13	PASS
Band2	10MHz	QPSK	19150	1RB#0	4.87	13	PASS
Band2	10MHz	16QAM	19150	1RB#0	5.74	13	PASS
Band2	10MHz	QPSK	19150	50RB#0	5.48	13	PASS
Band2	10MHz	16QAM	19150	50RB#0	6.23	13	PASS
Band2	15MHz	QPSK	18675	1RB#0	5.16	13	PASS
Band2	15MHz	16QAM	18675	1RB#0	6.29	13	PASS
Band2	15MHz	QPSK	18675	75RB#0	5.71	13	PASS
Band2	15MHz	16QAM	18675	75RB#0	6.20	13	PASS
Band2	15MHz	QPSK	18900	1RB#0	5.45	13	PASS
Band2	15MHz	16QAM	18900	1RB#0	6.32	13	PASS
Band2	15MHz	QPSK	18900	75RB#0	5.94	13	PASS
Band2	15MHz	16QAM	18900	75RB#0	6.38	13	PASS
Band2	15MHz	QPSK	19125	1RB#0	4.96	13	PASS
Band2	15MHz	16QAM	19125	1RB#0	5.86	13	PASS
Band2	15MHz	QPSK	19125	75RB#0	5.77	13	PASS
Band2	15MHz	16QAM	19125	75RB#0	6.29	13	PASS
Band2	20MHz	QPSK	18700	1RB#0	5.22	13	PASS
Band2	20MHz	16QAM	18700	1RB#0	6.26	13	PASS
Band2	20MHz	QPSK	18700	100RB#0	5.33	13	PASS
Band2	20MHz	16QAM	18700	100RB#0	6.14	13	PASS
Band2	20MHz	QPSK	18900	1RB#0	5.25	13	PASS
Band2	20MHz	16QAM	18900	1RB#0	5.83	13	PASS
Band2	20MHz	QPSK	18900	100RB#0	5.62	13	PASS
Band2	20MHz	16QAM	18900	100RB#0	6.35	13	PASS
Band2	20MHz	QPSK	19100	1RB#0	4.93	13	PASS
Band2	20MHz	16QAM	19100	1RB#0	5.65	13	PASS
Band2	20MHz	QPSK	19100	100RB#0	5.62	13	PASS
Band2	20MHz	16QAM	19100	100RB#0	6.26	13	PASS

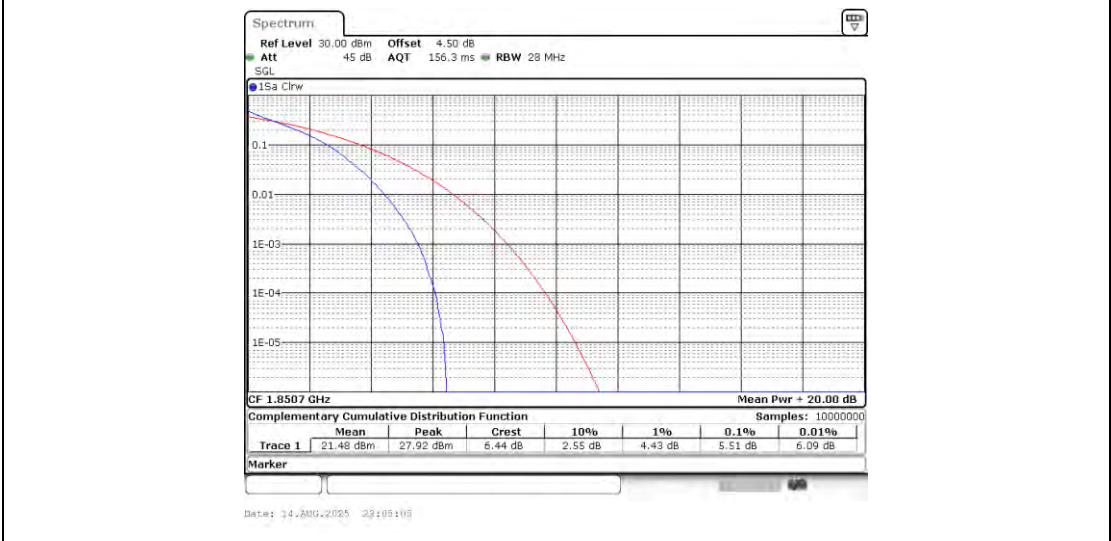
Test Graphs



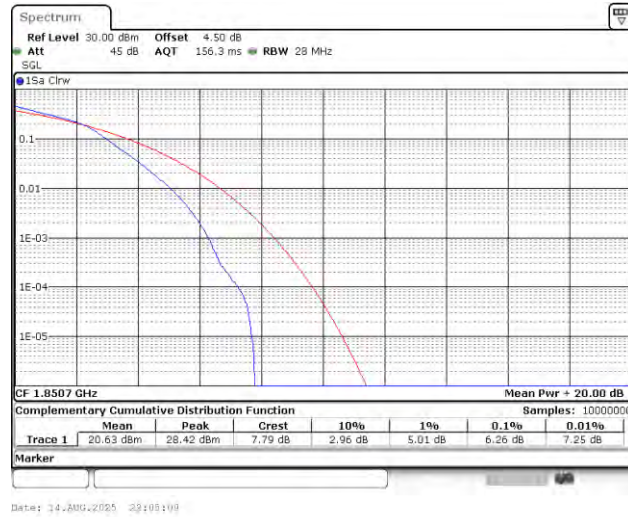
Band2-1.4MHz-QPSK-18607-1RB#0-PASS



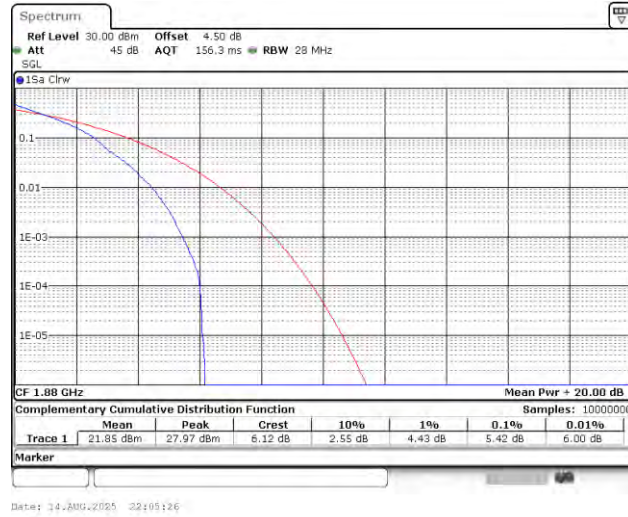
Band2-1.4MHz-16QAM-18607-1RB#0-PASS



Band2-1.4MHz-QPSK-18607-6RB#0-PASS



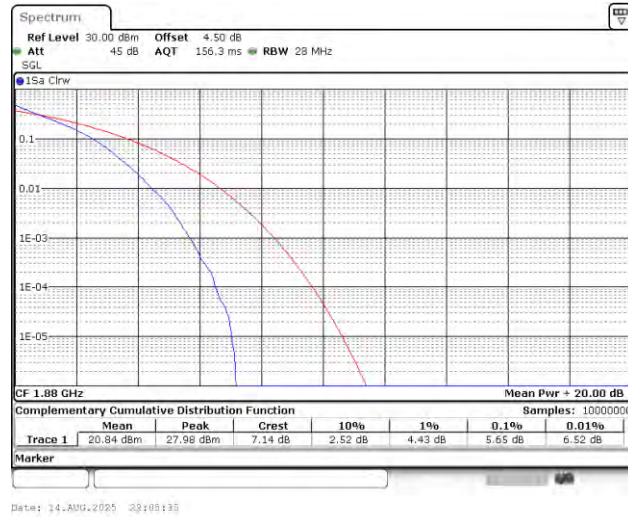
Band2-1.4MHz-16QAM-18607-6RB#0-PASS



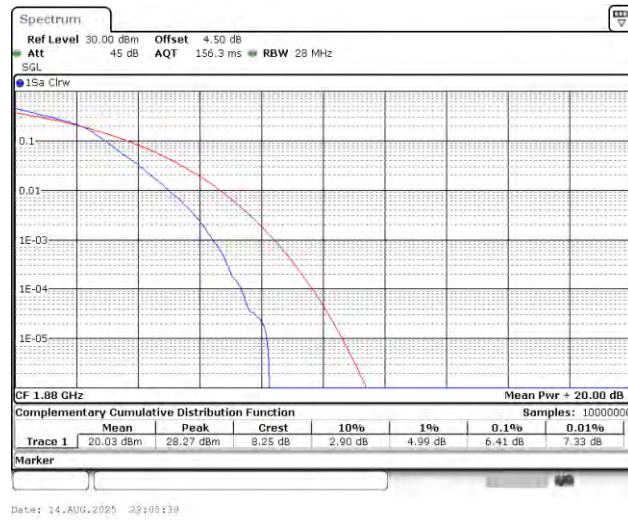
Band2-1.4MHz-QPSK-18900-1RB#0-PASS



Band2-1.4MHz-16QAM-18900-1RB#0-PASS



Band2-1.4MHz-QPSK-18900-6RB#0-PASS



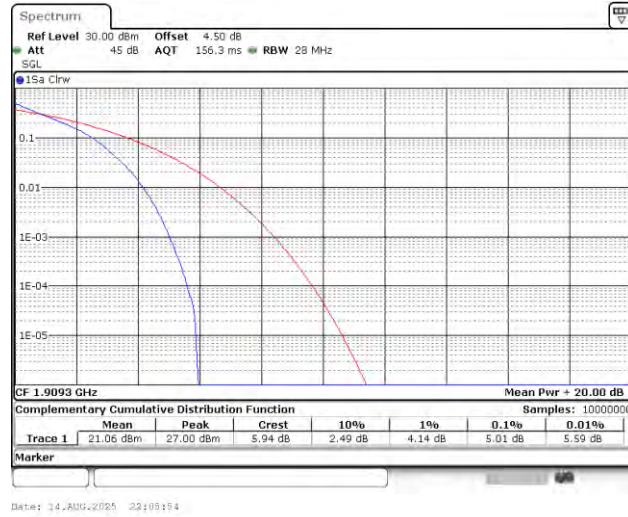
Band2-1.4MHz-16QAM-18900-6RB#0-PASS



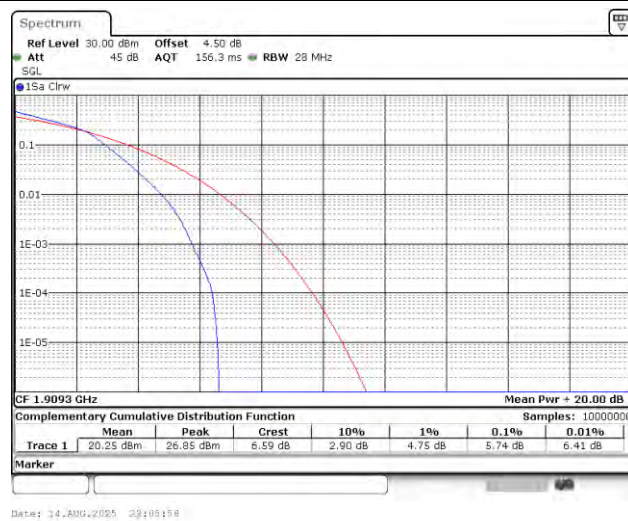
Band2-1.4MHz-QPSK-19193-1RB#0-PASS



Band2-1.4MHz-16QAM-19193-1RB#0-PASS



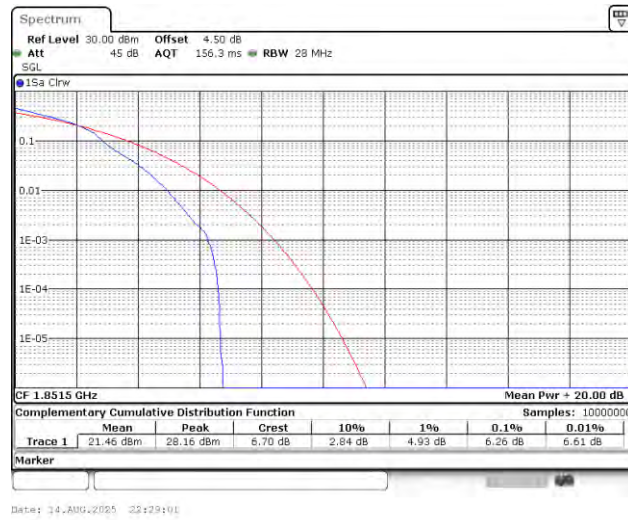
Band2-1.4MHz-QPSK-19193-6RB#0-PASS



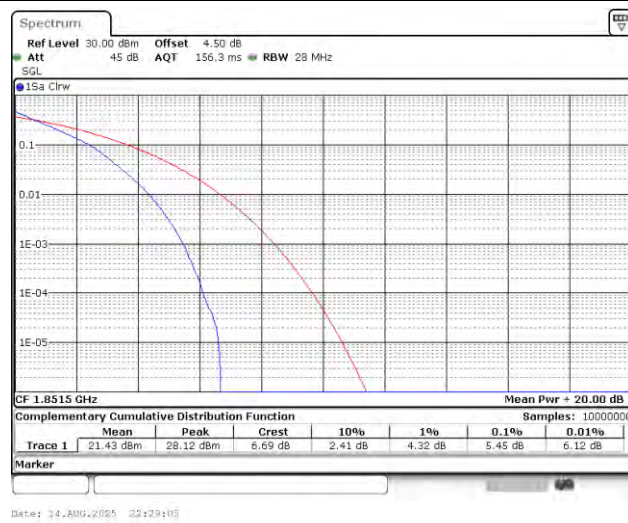
Band2-1.4MHz-16QAM-19193-6RB#0-PASS



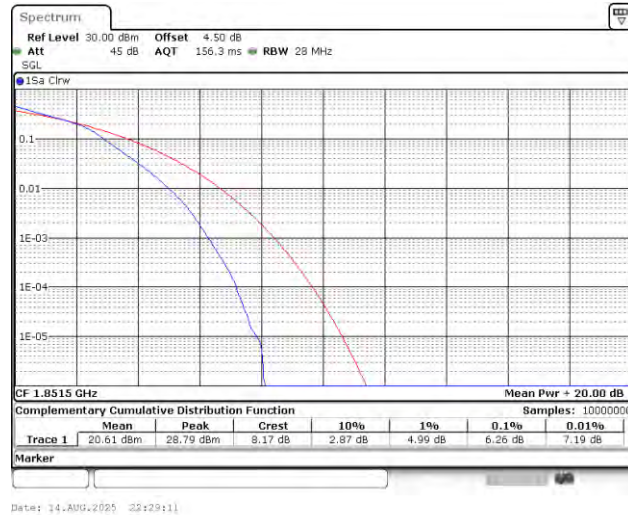
Band2-3MHz-QPSK-18615-1RB#0-PASS



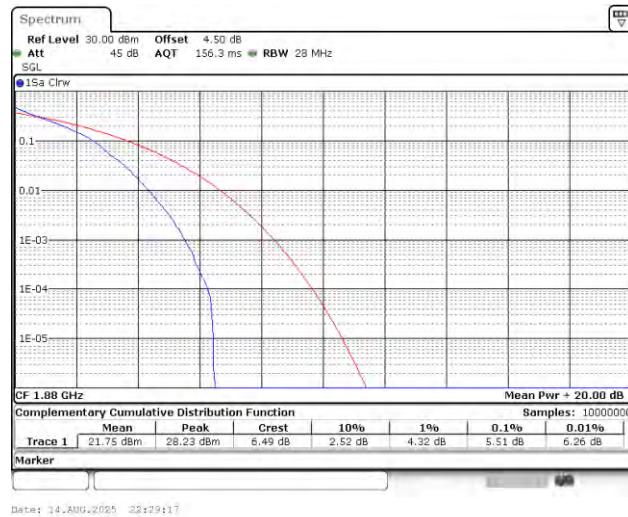
Band2-3MHz-16QAM-18615-1RB#0-PASS



Band2-3MHz-QPSK-18615-15RB#0-PASS



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



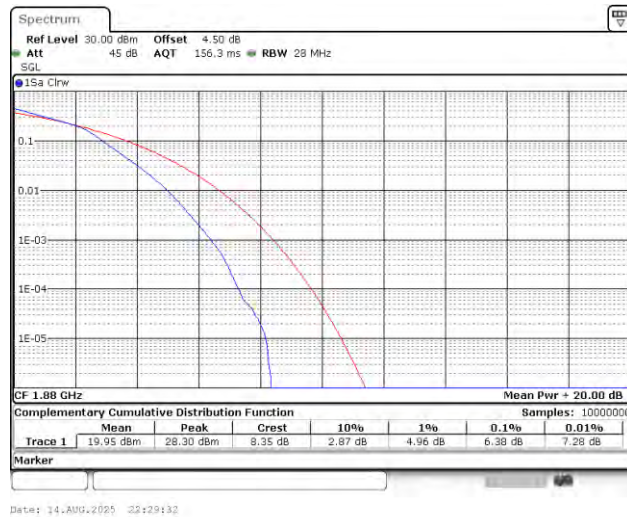
Band2-3MHz-QPSK-18900-1RB#0-PASS



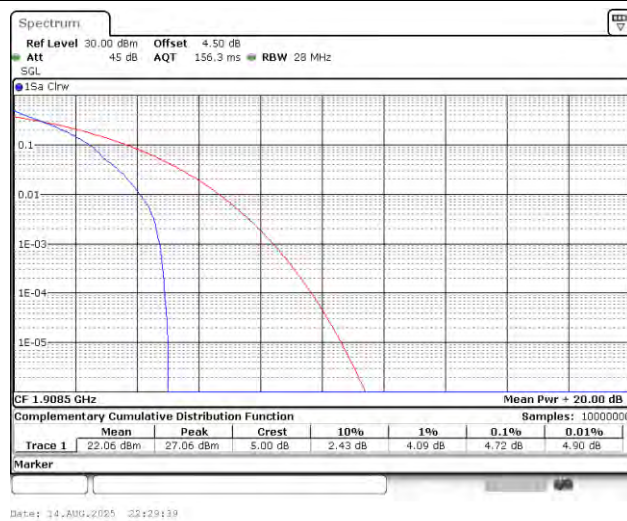
Band2-3MHz-16QAM-18900-1RB#0-PASS



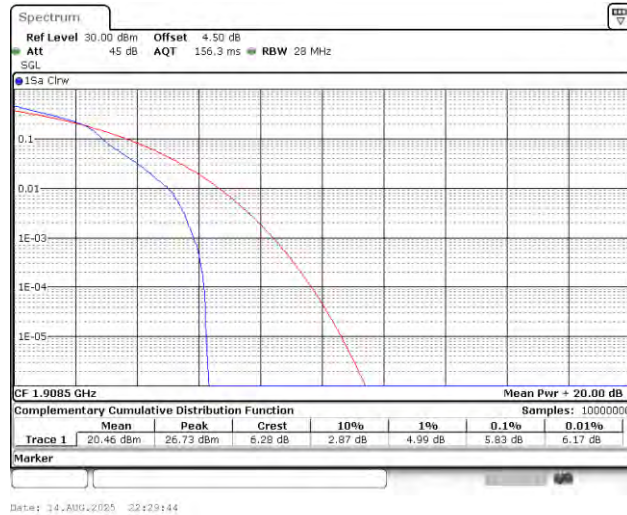
Band2-3MHz-QPSK-18900-15RB#0-PASS



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



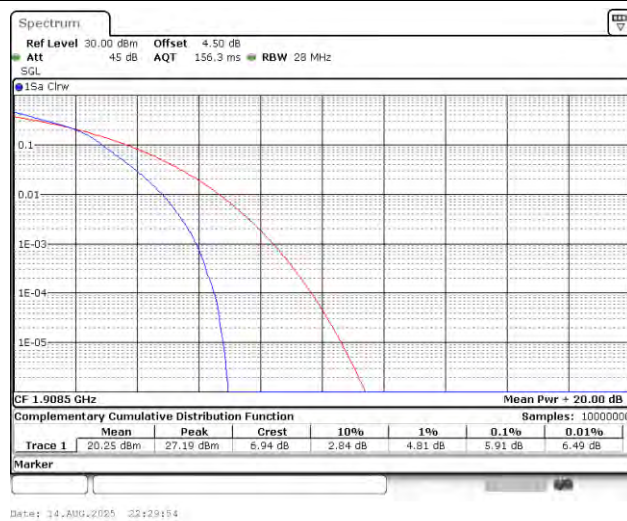
Band2-3MHz-QPSK-19185-1RB#0-PASS



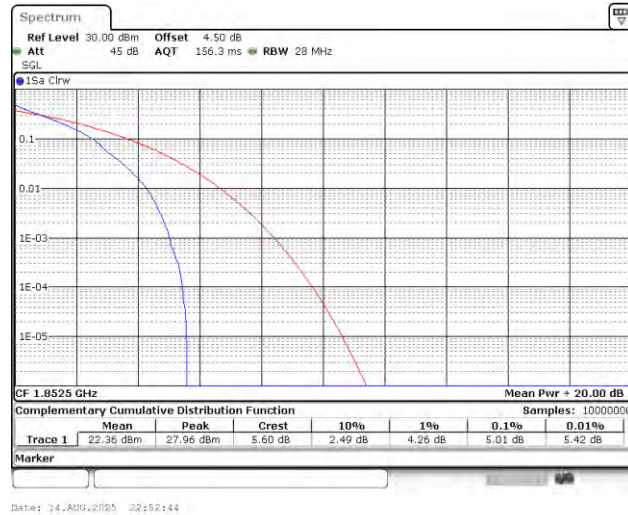
Band2-3MHz-16QAM-19185-1RB#0-PASS



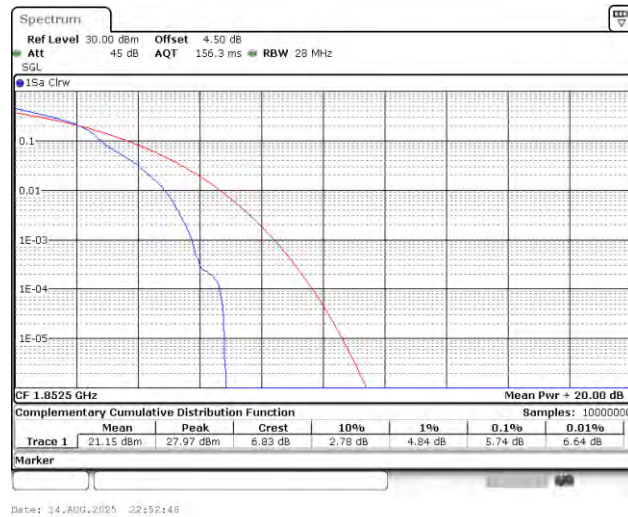
Band2-3MHz-QPSK-19185-15RB#0-PASS



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



Band2-5MHz-QPSK-18625-1RB#0-PASS



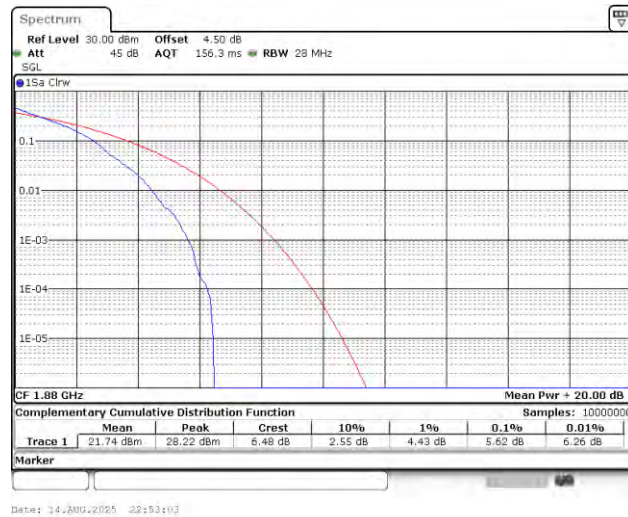
Band2-5MHz-16QAM-18625-1RB#0-PASS



Band2-5MHz-QPSK-18625-25RB#0-PASS



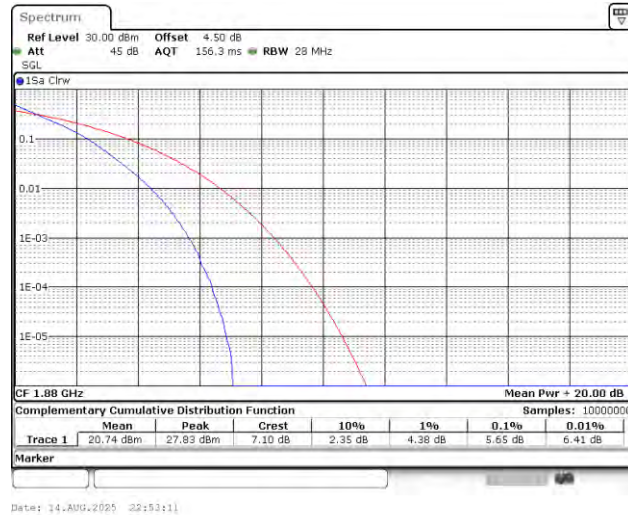
Band2-5MHz-16QAM-18625-25RB#0-PASS



Band2-5MHz-QPSK-18900-1RB#0-PASS



Band2-5MHz-16QAM-18900-1RB#0-PASS



Band2-5MHz-QPSK-18900-25RB#0-PASS



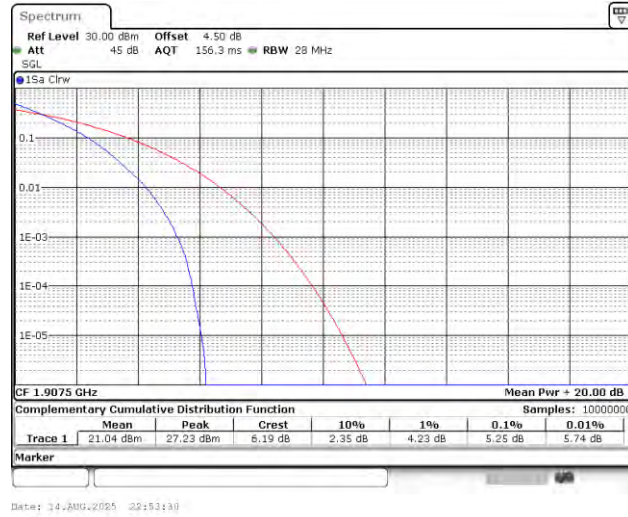
Band2-5MHz-16QAM-18900-25RB#0-PASS



Band2-5MHz-QPSK-19175-1RB#0-PASS



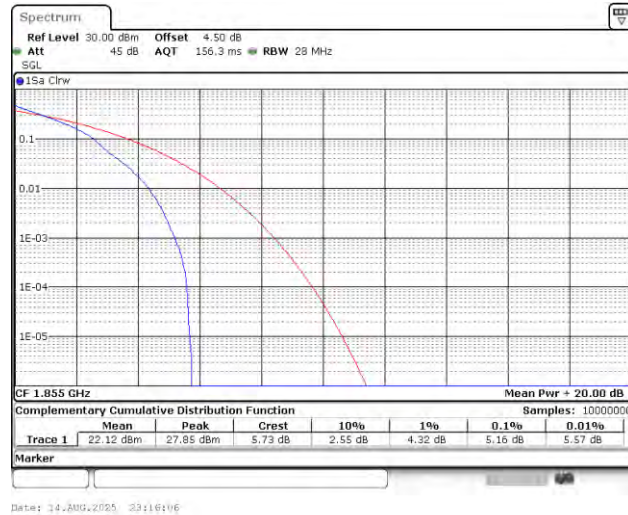
Band2-5MHz-16QAM-19175-1RB#0-PASS



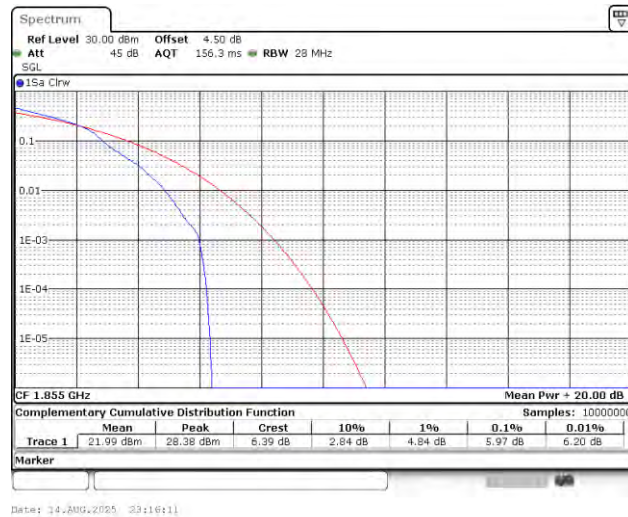
Band2-5MHz-QPSK-19175-25RB#0-PASS



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



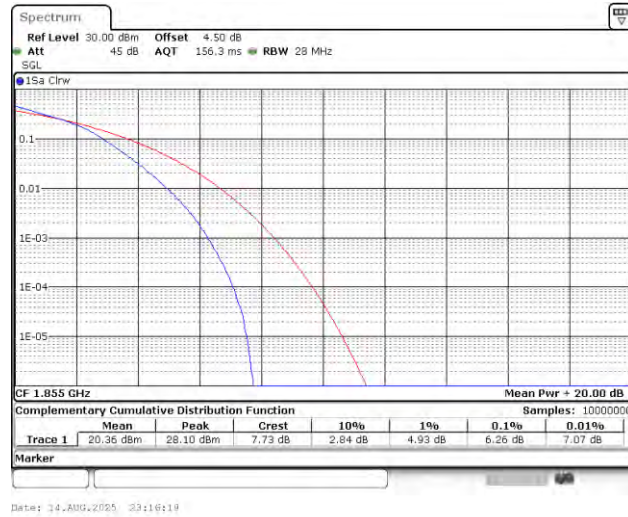
Band2-10MHz-QPSK-18650-1RB#0-PASS



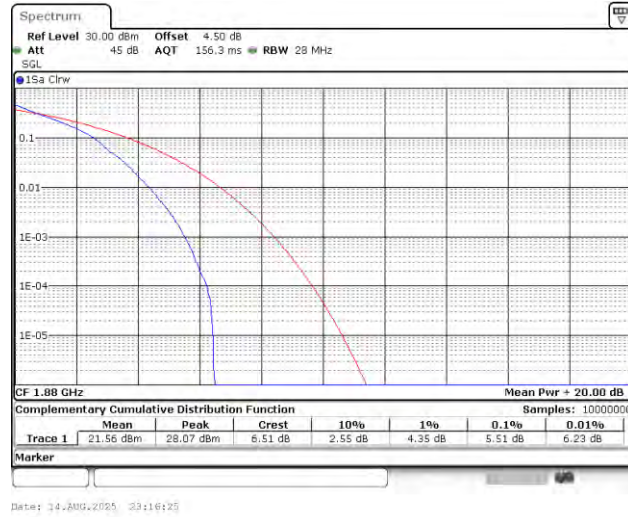
Band2-10MHz-16QAM-18650-1RB#0-PASS



Band2-10MHz-QPSK-18650-50RB#0-PASS



Band2-10MHz-16QAM-18650-50RB#0-PASS



Band2-10MHz-QPSK-18900-1RB#0-PASS



Band2-10MHz-16QAM-18900-1RB#0-PASS



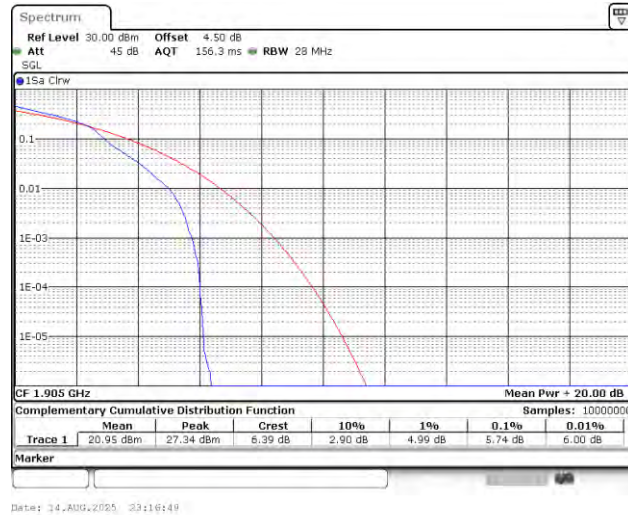
Band2-10MHz-QPSK-18900-50RB#0-PASS



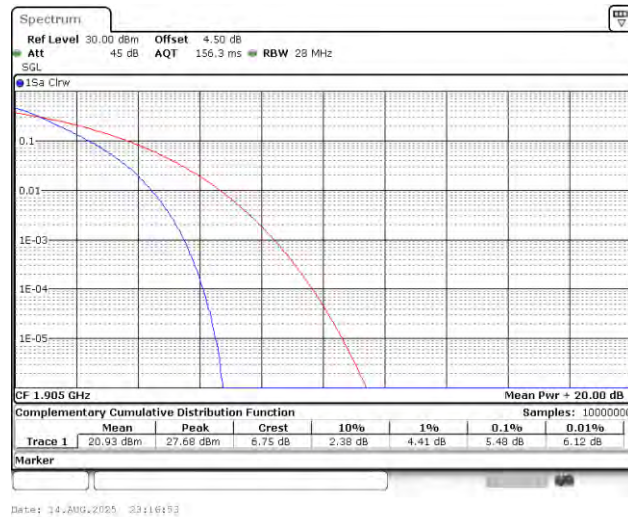
Band2-10MHz-16QAM-18900-50RB#0-PASS



Band2-10MHz-QPSK-19150-1RB#0-PASS



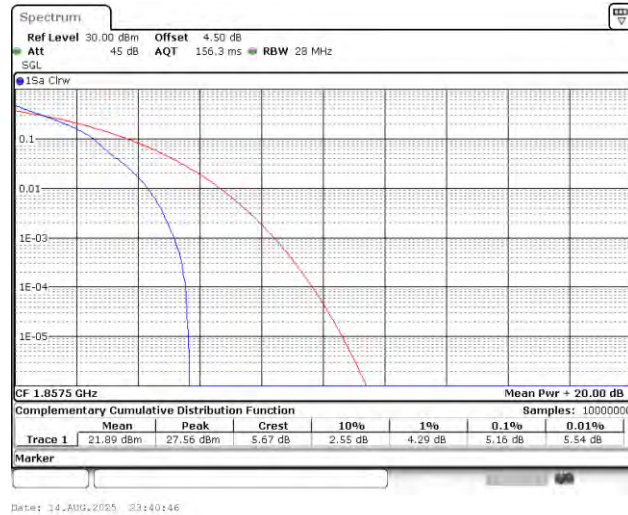
Band2-10MHz-16QAM-19150-1RB#0-PASS



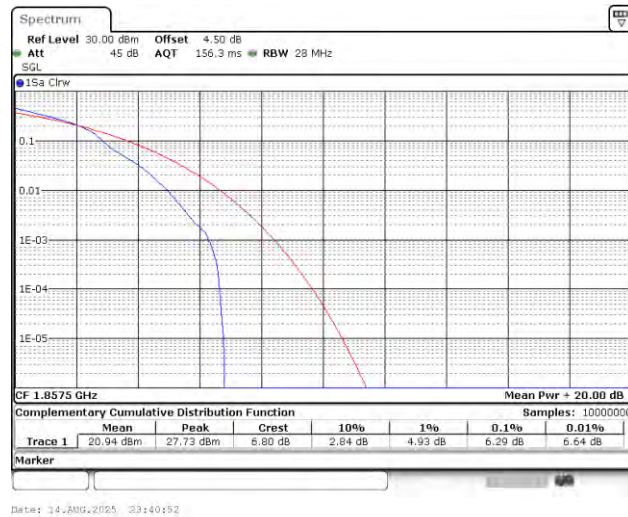
Band2-10MHz-QPSK-19150-50RB#0-PASS



Band2-10MHz-16QAM-19150-50RB#0-PASS



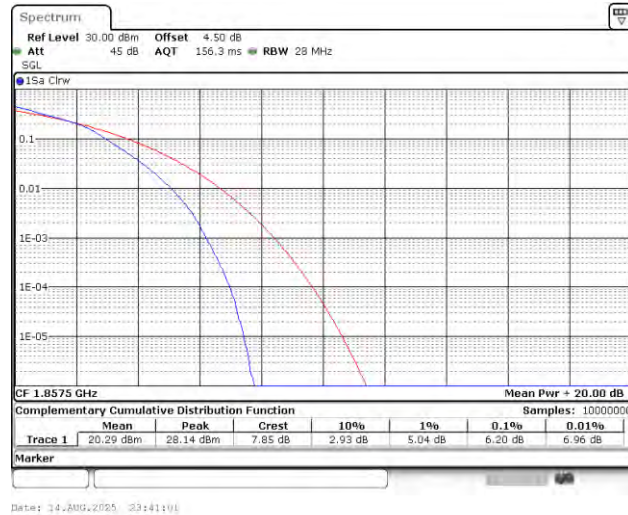
Band2-15MHz-QPSK-18675-1RB#0-PASS



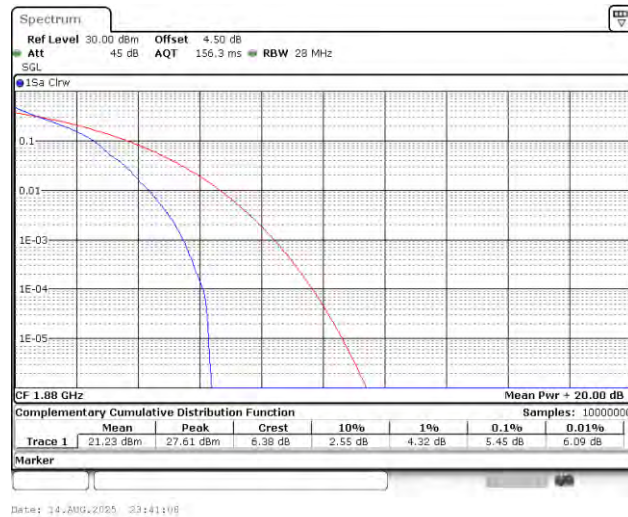
Band2-15MHz-16QAM-18675-1RB#0-PASS



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



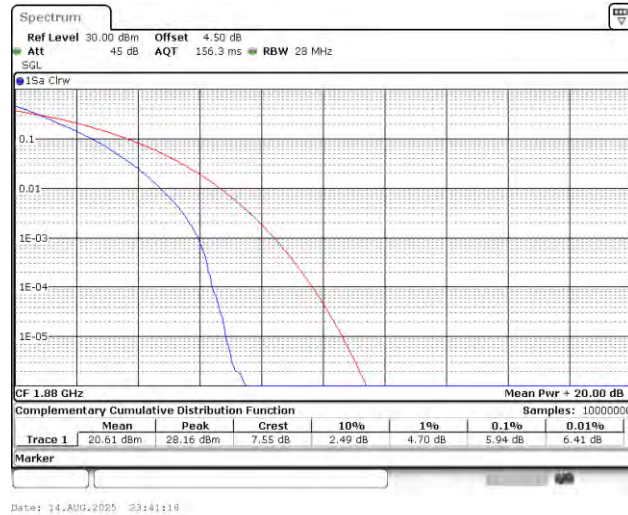
Band2-15MHz-16QAM-18675-75RB#0-PASS



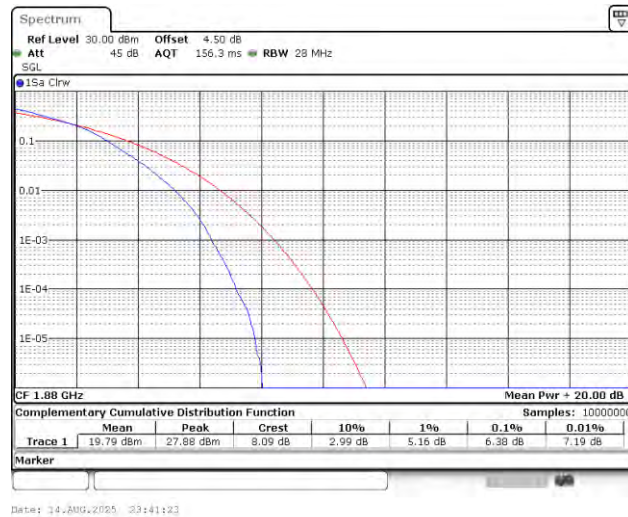
Band2-15MHz-QPSK-18900-1RB#0-PASS



Band2-15MHz-16QAM-18900-1RB#0-PASS



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



Band2-15MHz-16QAM-18900-75RB#0-PASS



Band2-15MHz-QPSK-19125-1RB#0-PASS



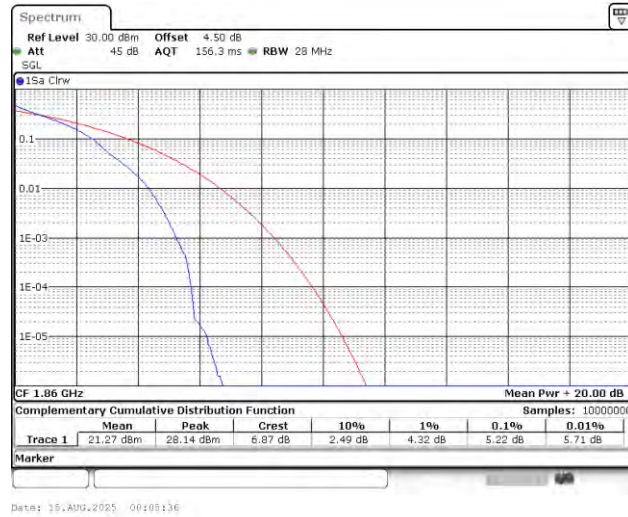
Band2-15MHz-16QAM-19125-1RB#0-PASS



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



Band2-15MHz-16QAM-19125-75RB#0-PASS



Band2-20MHz-QPSK-18700-1RB#0-PASS



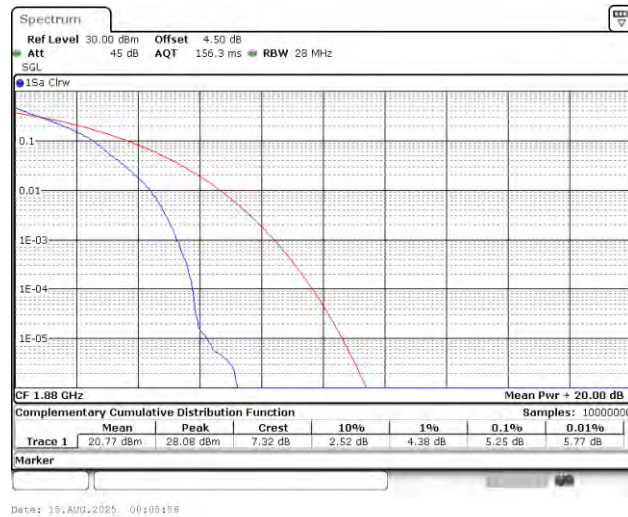
Band2-20MHz-16QAM-18700-1RB#0-PASS



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



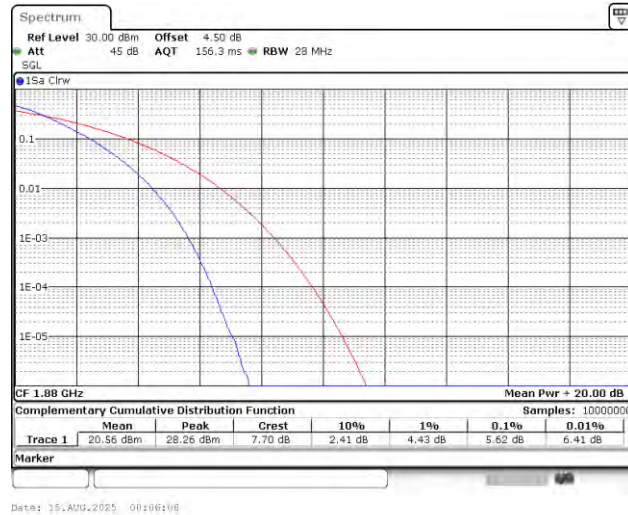
Band2-20MHz-16QAM-18700-100RB#0-PASS



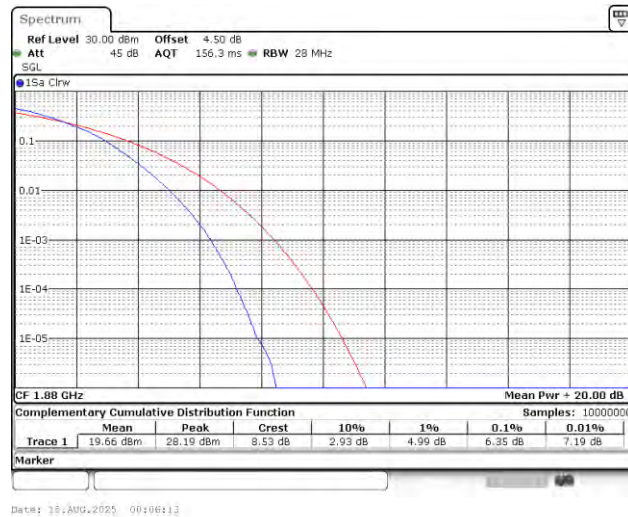
Band2-20MHz-QPSK-18900-1RB#0-PASS



Band2-20MHz-16QAM-18900-1RB#0-PASS



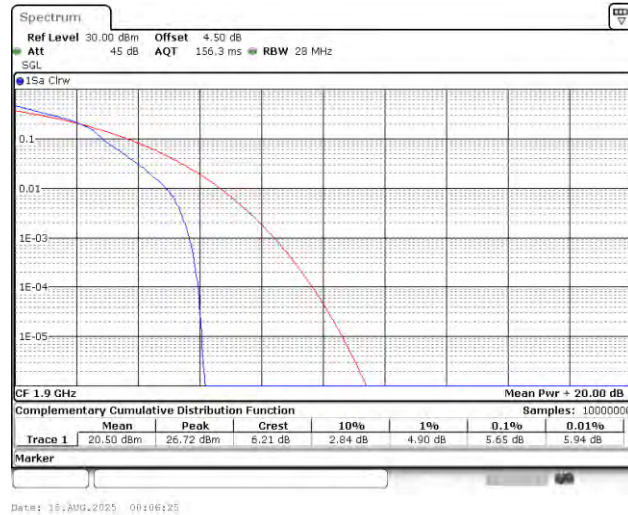
Band2-20MHz-QPSK-18900-100RB#0-PASS



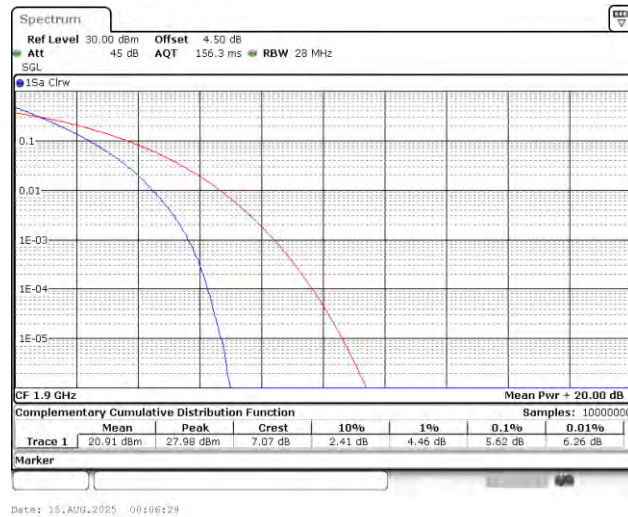
Band2-20MHz-16QAM-18900-100RB#0-PASS



Band2-20MHz-QPSK-19100-1RB#0-PASS



Band2-20MHz-16QAM-19100-1RB#0-PASS



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



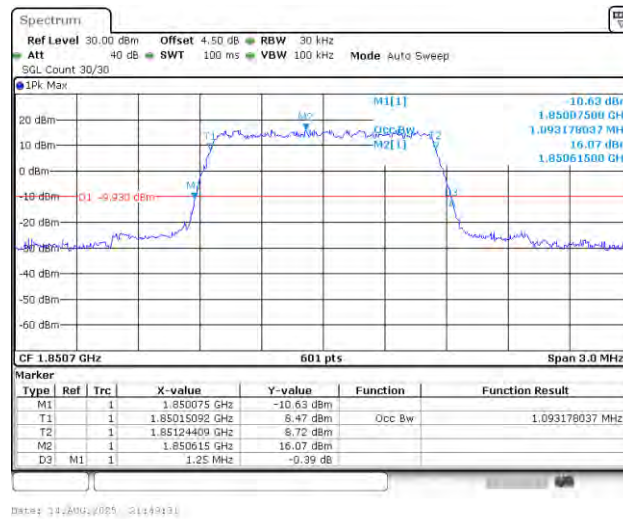
Band2-20MHz-16QAM-19100-100RB#0-PASS

Appendix C: 26dB Bandwidth and Occupied Bandwidth

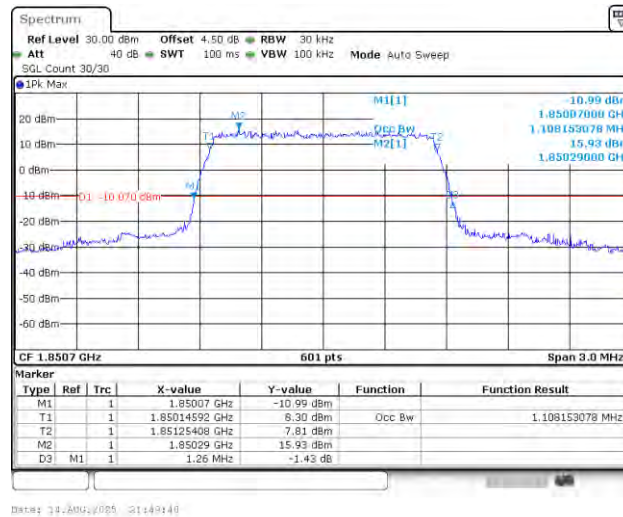
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band2	1.4MHz	QPSK	18607	6RB#0	1.093	1.25	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	1.108	1.26	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	1.093	1.26	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	1.098	1.26	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	1.103	1.26	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	1.088	1.25	PASS
Band2	3MHz	QPSK	18615	15RB#0	2.705	3.04	PASS
Band2	3MHz	16QAM	18615	15RB#0	2.705	3.07	PASS
Band2	3MHz	QPSK	18900	15RB#0	2.705	3.03	PASS
Band2	3MHz	16QAM	18900	15RB#0	2.696	3.06	PASS
Band2	3MHz	QPSK	19185	15RB#0	2.705	3.04	PASS
Band2	3MHz	16QAM	19185	15RB#0	2.705	3.04	PASS
Band2	5MHz	QPSK	18625	25RB#0	4.515	5.00	PASS
Band2	5MHz	16QAM	18625	25RB#0	4.505	5.00	PASS
Band2	5MHz	QPSK	18900	25RB#0	4.505	4.98	PASS
Band2	5MHz	16QAM	18900	25RB#0	4.515	5.00	PASS
Band2	5MHz	QPSK	19175	25RB#0	4.505	5.01	PASS
Band2	5MHz	16QAM	19175	25RB#0	4.535	5.03	PASS
Band2	10MHz	QPSK	18650	50RB#0	8.985	9.93	PASS
Band2	10MHz	16QAM	18650	50RB#0	8.985	10.00	PASS
Band2	10MHz	QPSK	18900	50RB#0	9.018	9.97	PASS
Band2	10MHz	16QAM	18900	50RB#0	9.018	10.00	PASS
Band2	10MHz	QPSK	19150	50RB#0	9.018	9.93	PASS
Band2	10MHz	16QAM	19150	50RB#0	9.018	10.00	PASS
Band2	15MHz	QPSK	18675	75RB#0	13.478	15.05	PASS
Band2	15MHz	16QAM	18675	75RB#0	13.478	15.05	PASS
Band2	15MHz	QPSK	18900	75RB#0	13.527	15.00	PASS
Band2	15MHz	16QAM	18900	75RB#0	13.527	15.00	PASS
Band2	15MHz	QPSK	19125	75RB#0	13.527	15.05	PASS
Band2	15MHz	16QAM	19125	75RB#0	13.577	15.25	PASS
Band2	20MHz	QPSK	18700	100RB#0	17.97	20.07	PASS
Band2	20MHz	16QAM	18700	100RB#0	18.037	20.00	PASS
Band2	20MHz	QPSK	18900	100RB#0	18.17	20.07	PASS
Band2	20MHz	16QAM	18900	100RB#0	18.103	19.87	PASS
Band2	20MHz	QPSK	19100	100RB#0	18.236	20.07	PASS
Band2	20MHz	16QAM	19100	100RB#0	18.236	20.20	PASS

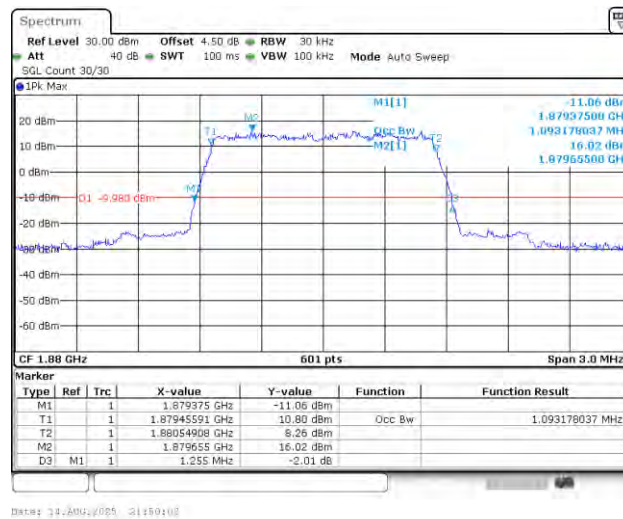
Test Graphs



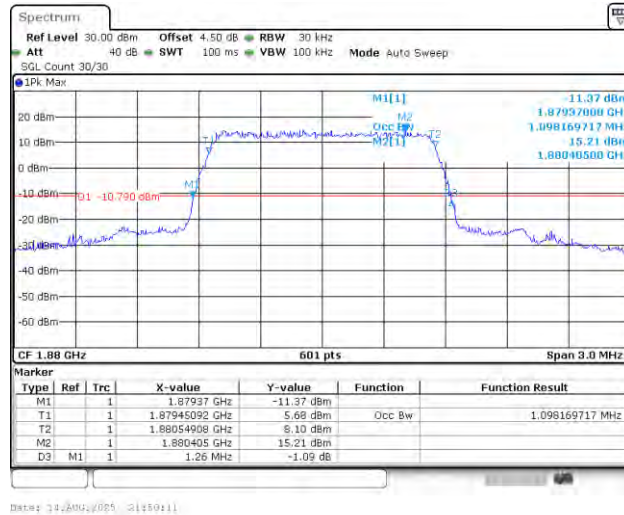
Band2-1.4MHz-QPSK-18607-6RB#0-PASS



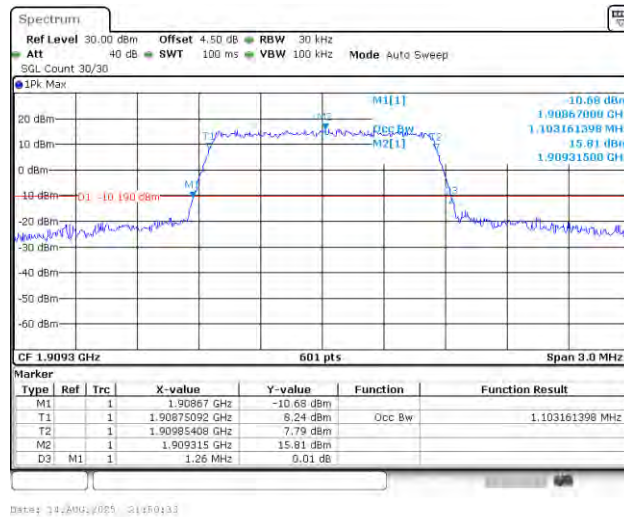
Band2-1.4MHz-16QAM-18607-6RB#0-PASS



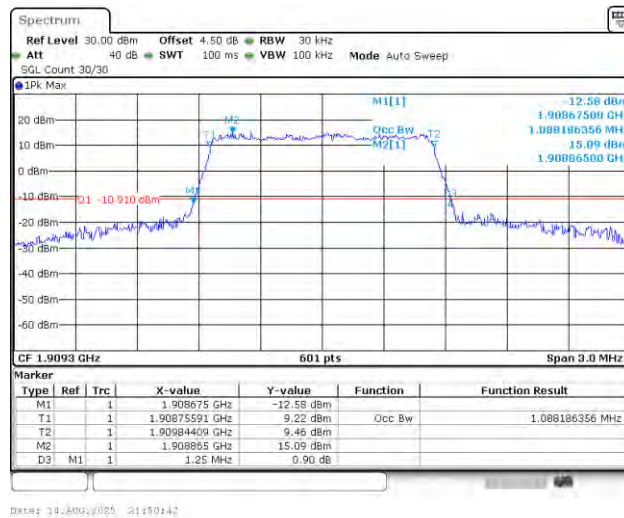
Band2-1.4MHz-QPSK-18900-6RB#0-PASS



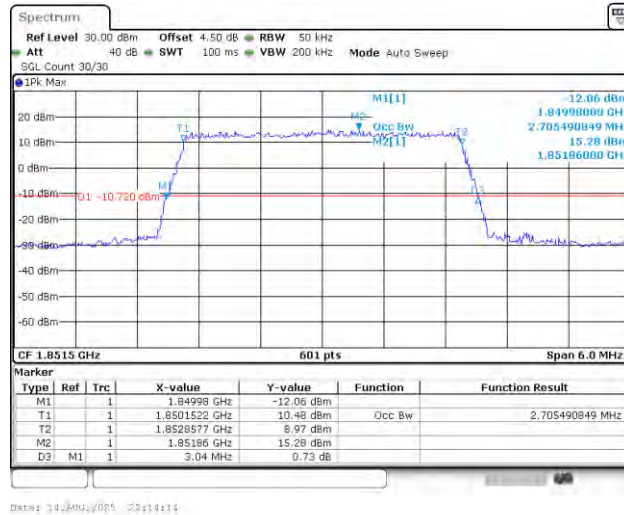
Band2-1.4MHz-16QAM-18900-6RB#0-PASS



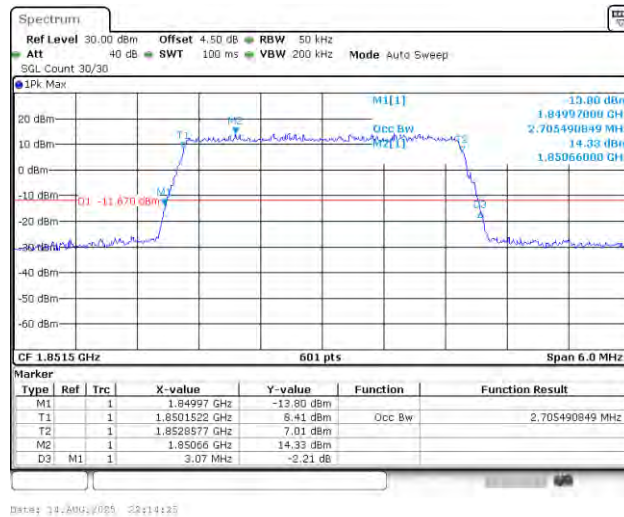
Band2-1.4MHz-QPSK-19193-6RB#0-PASS



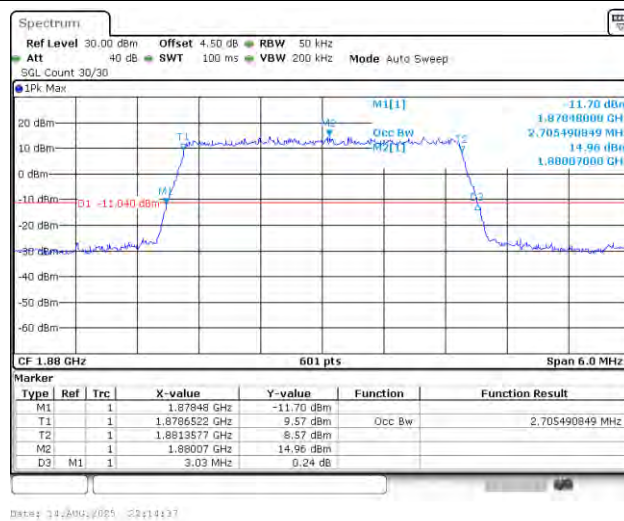
Band2-1.4MHz-16QAM-19193-6RB#0-PASS



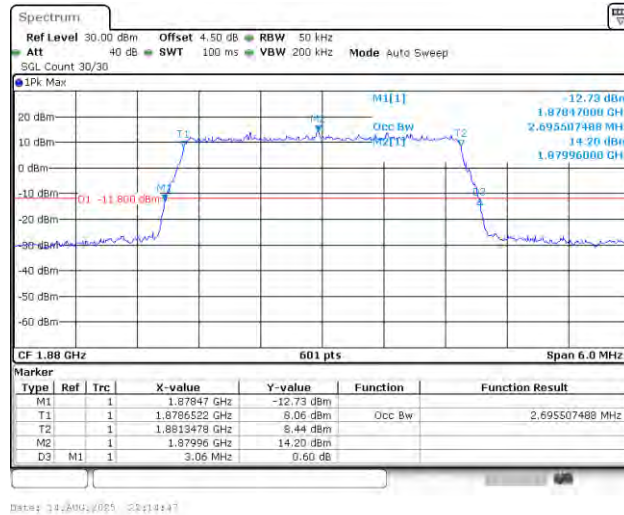
Band2-3MHz-QPSK-18615-15RB#0-PASS



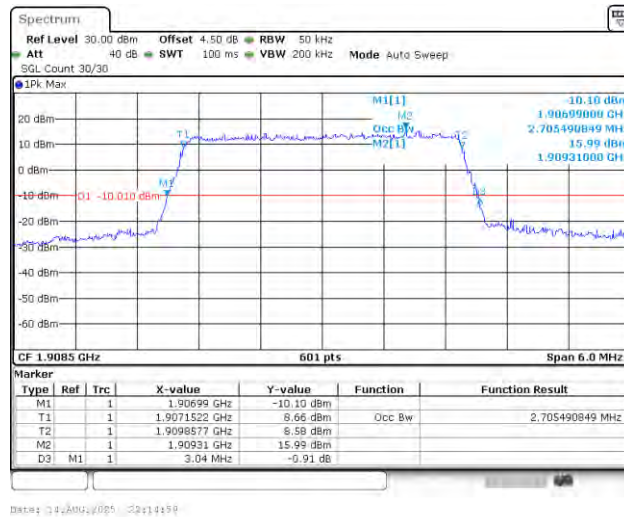
Band2-3MHz-16QAM-18615-15RB#0-PASS



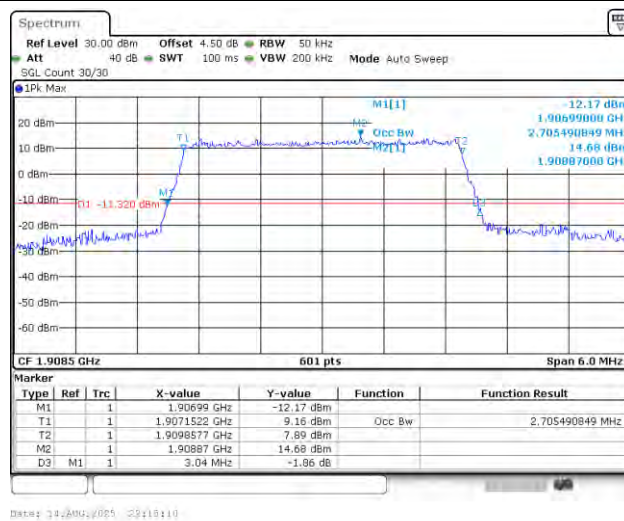
Band2-3MHz-QPSK-18900-15RB#0-PASS



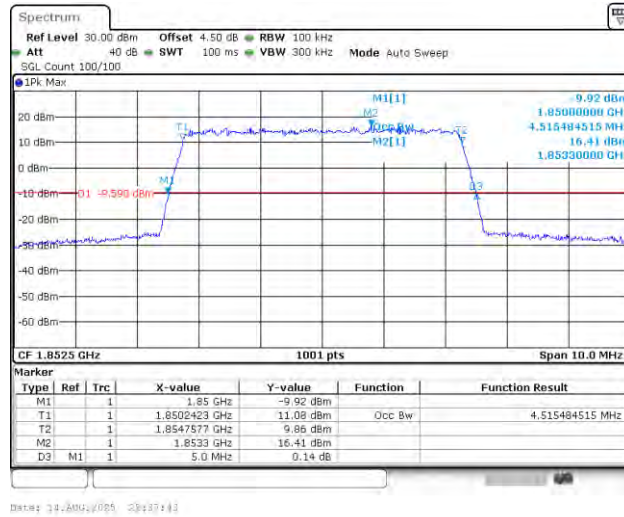
Band2-3MHz-16QAM-18900-15RB#0-PASS



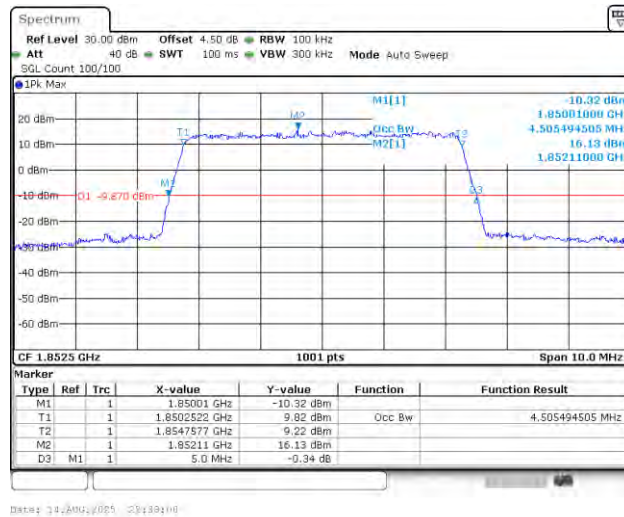
Band2-3MHz-QPSK-19185-15RB#0-PASS



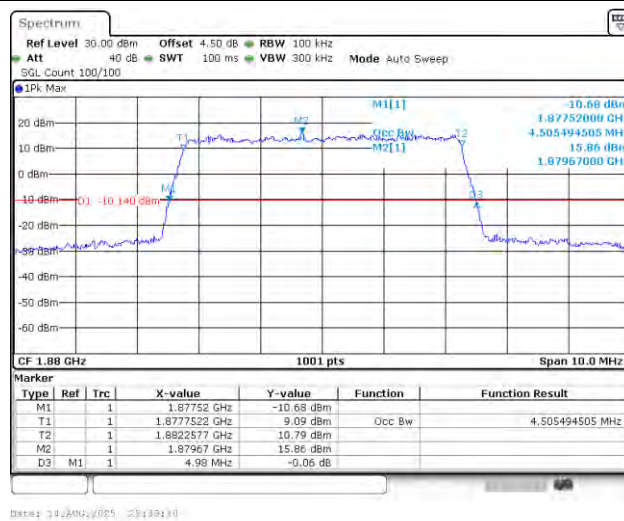
Band2-3MHz-16QAM-19185-15RB#0-PASS



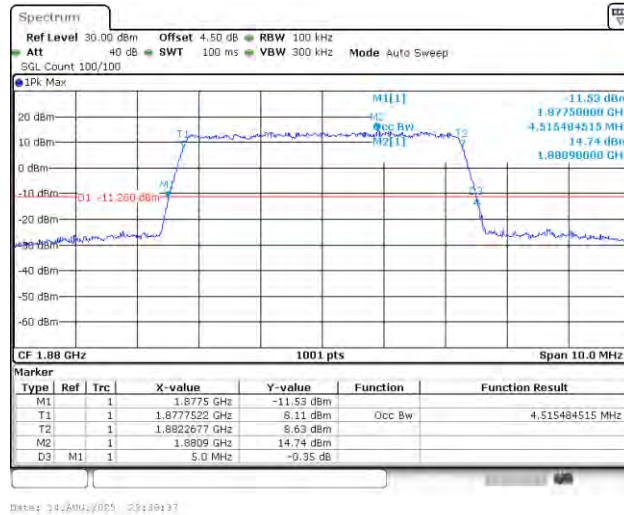
Band2-5MHz-QPSK-18625-25RB#0-PASS



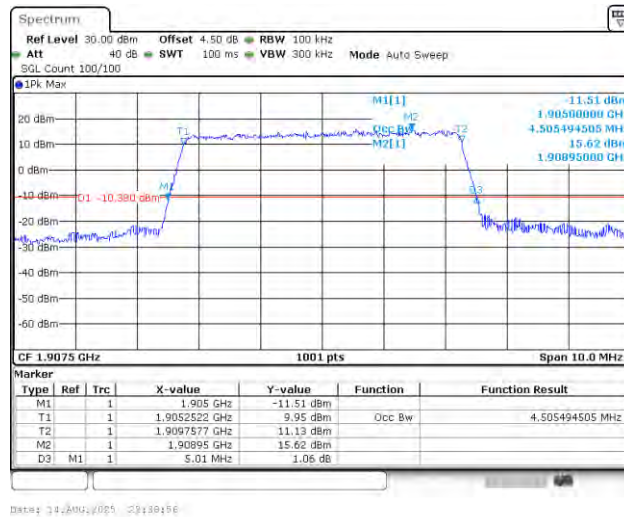
Band2-5MHz-16QAM-18625-25RB#0-PASS



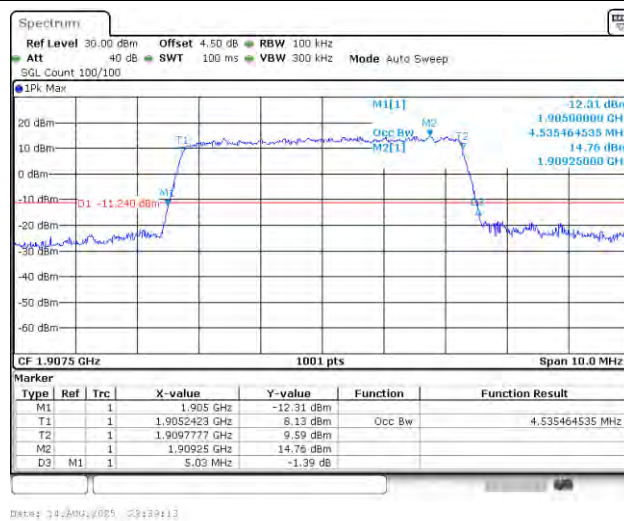
Band2-5MHz-QPSK-18900-25RB#0-PASS



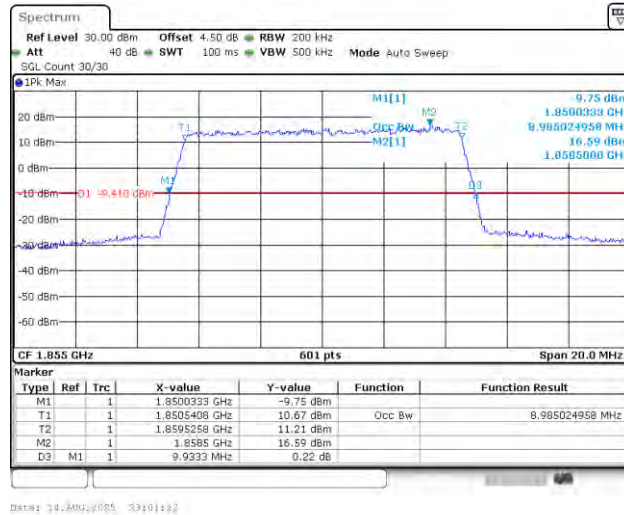
Band2-5MHz-16QAM-18900-25RB#0-PASS



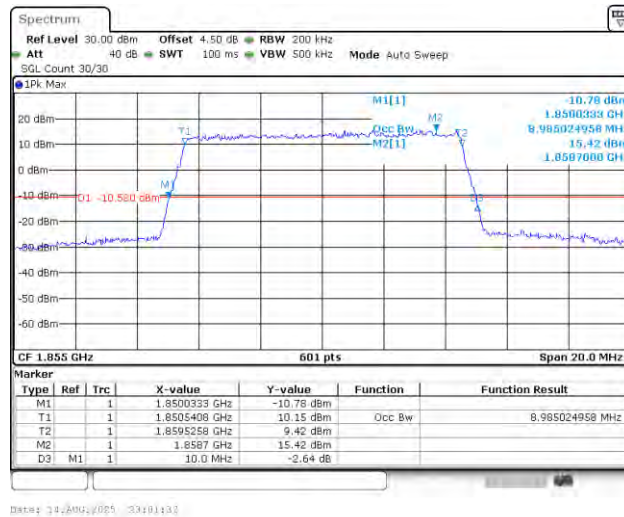
Band2-5MHz-QPSK-19175-25RB#0-PASS



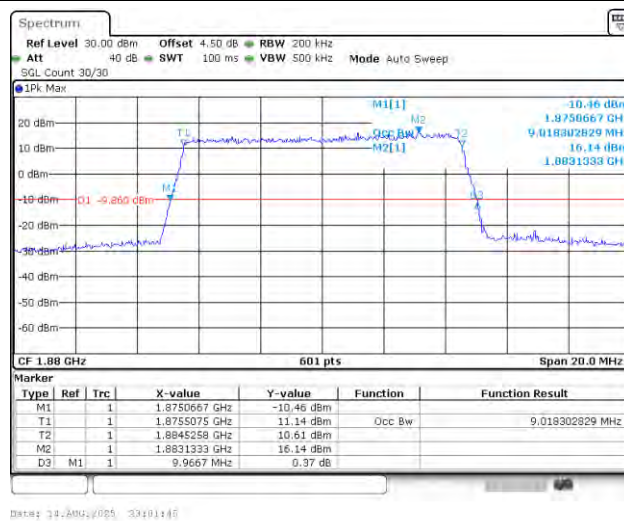
Band2-5MHz-16QAM-19175-25RB#0-PASS



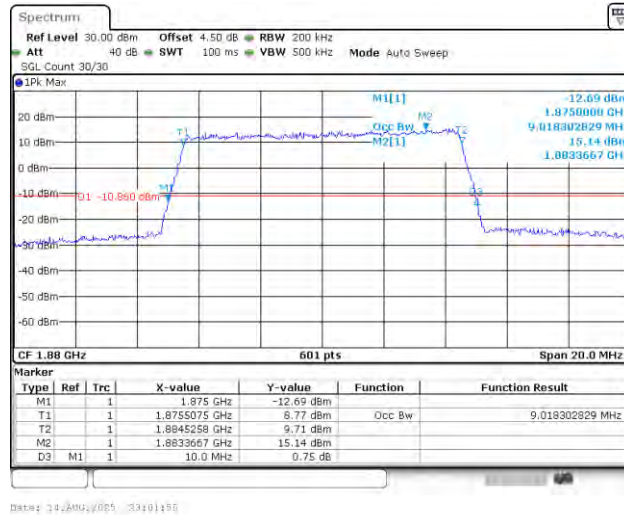
Band2-10MHz-QPSK-18650-50RB#0-PASS



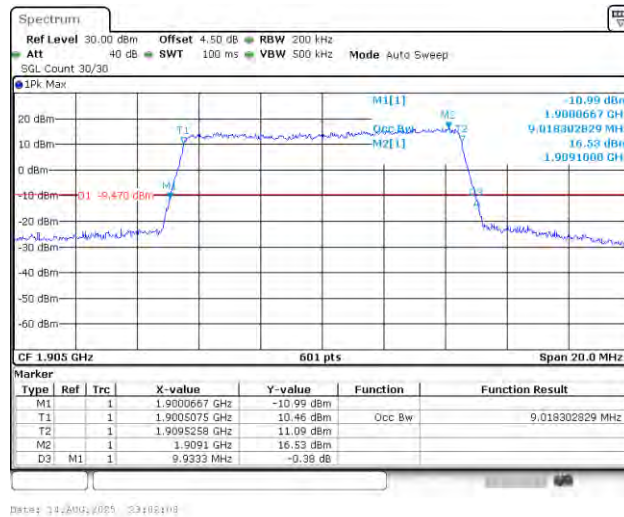
Band2-10MHz-16QAM-18650-50RB#0-PASS



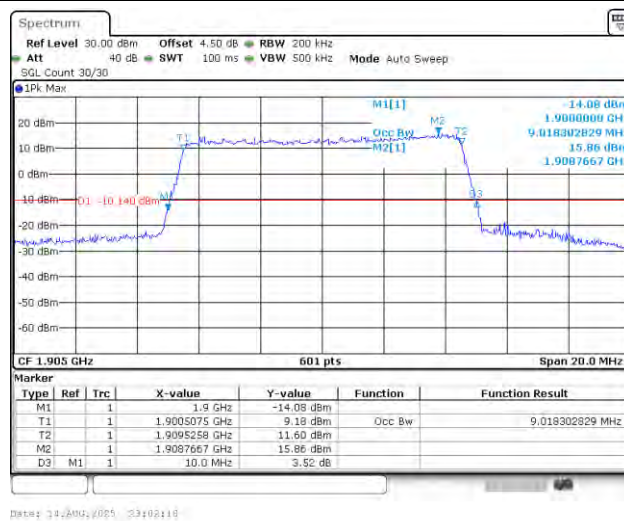
Band2-10MHz-QPSK-18900-50RB#0-PASS



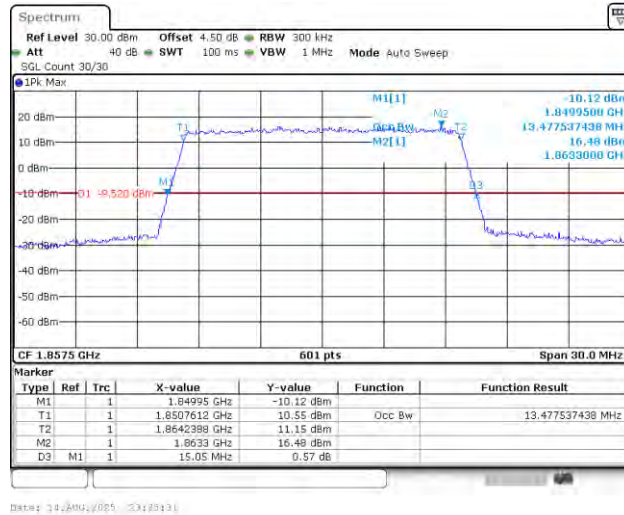
Band2-10MHz-16QAM-18900-50RB#0-PASS



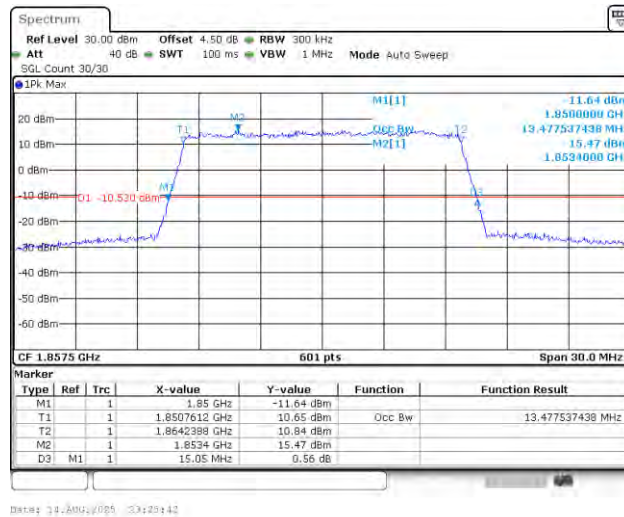
Band2-10MHz-QPSK-19150-50RB#0-PASS



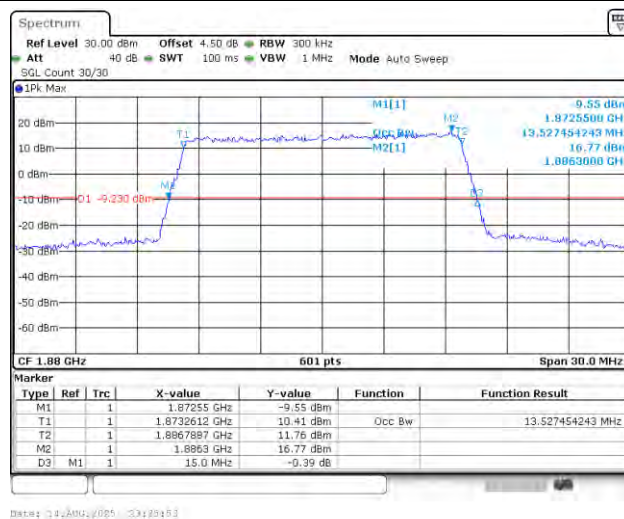
Band2-10MHz-16QAM-19150-50RB#0-PASS



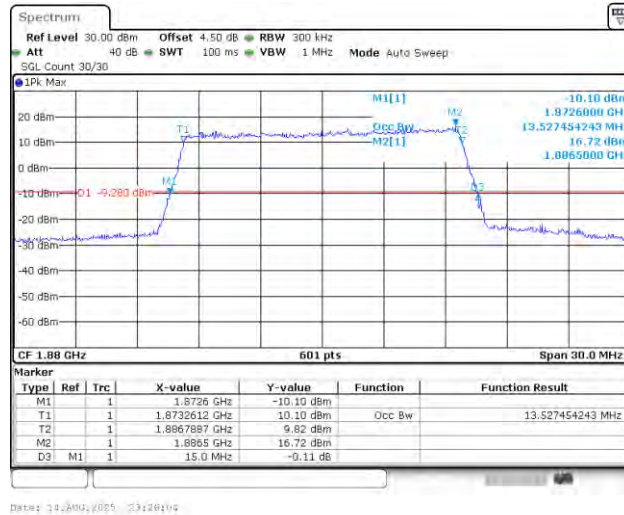
Band2-15MHz-QPSK-18675-75RB#0-PASS



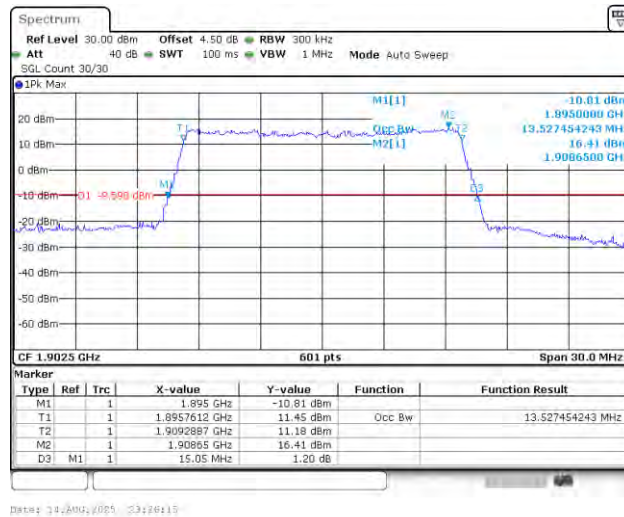
Band2-15MHz-16QAM-18675-75RB#0-PASS



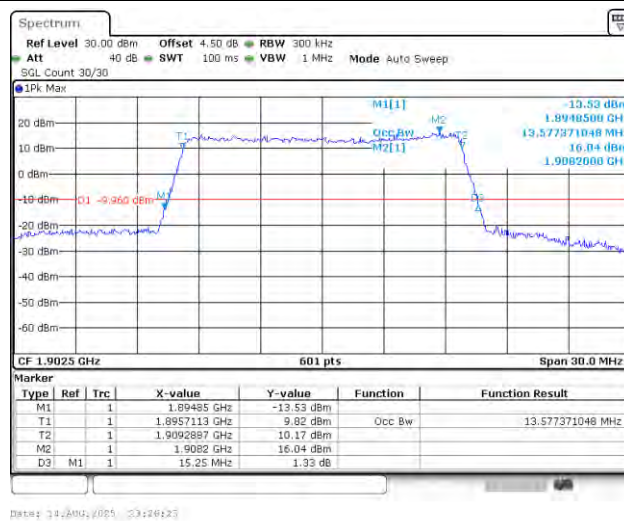
Band2-15MHz-QPSK-18900-75RB#0-PASS



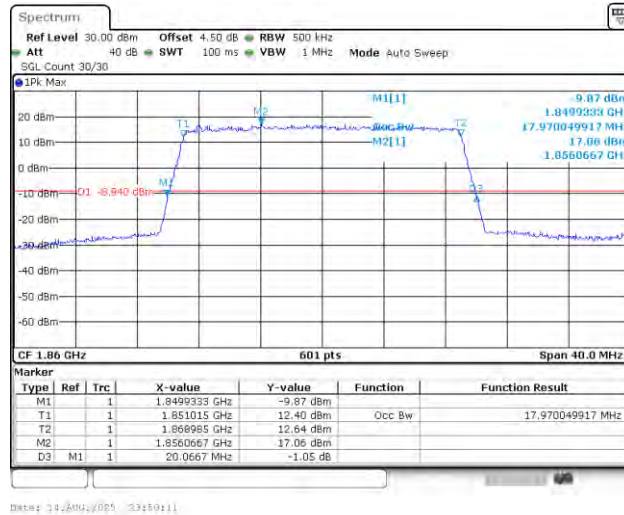
Band2-15MHz-16QAM-18900-75RB#0-PASS



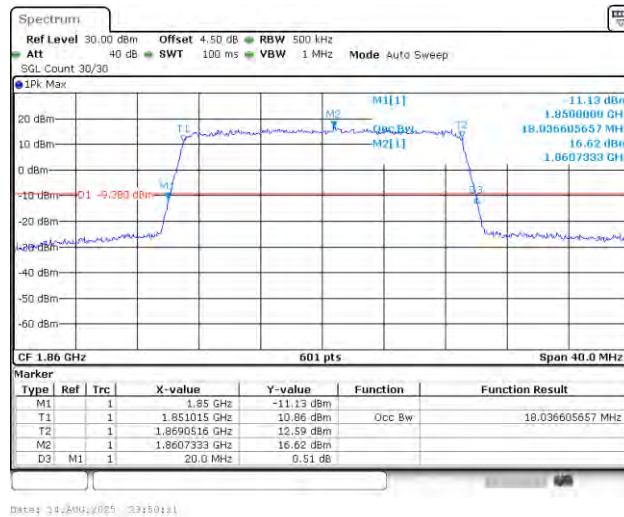
Band2-15MHz-QPSK-19125-75RB#0-PASS



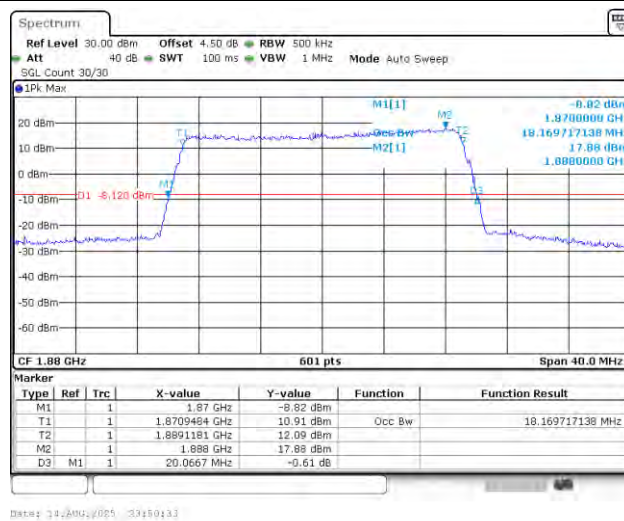
Band2-15MHz-16QAM-19125-75RB#0-PASS



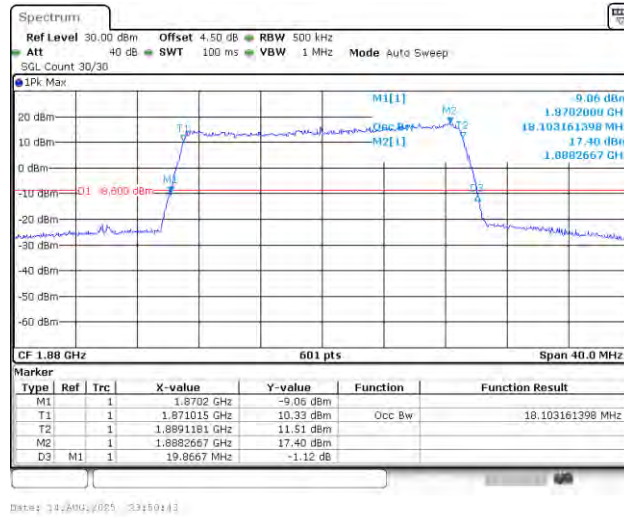
Band2-20MHz-QPSK-18700-100RB#0-PASS



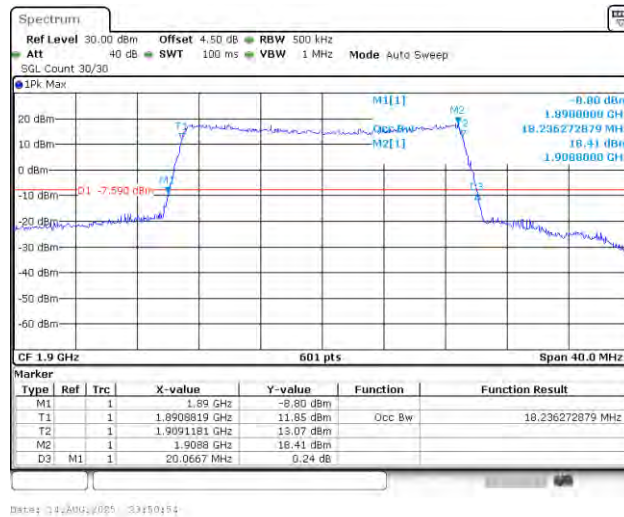
Band2-20MHz-16QAM-18700-100RB#0-PASS



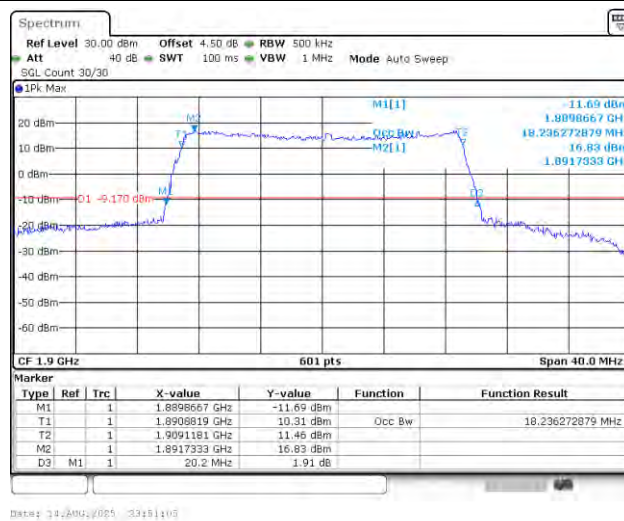
Band2-20MHz-QPSK-18900-100RB#0-PASS



Band2-20MHz-16QAM-18900-100RB#0-PASS



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



Band2-20MHz-16QAM-19100-100RB#0-PASS

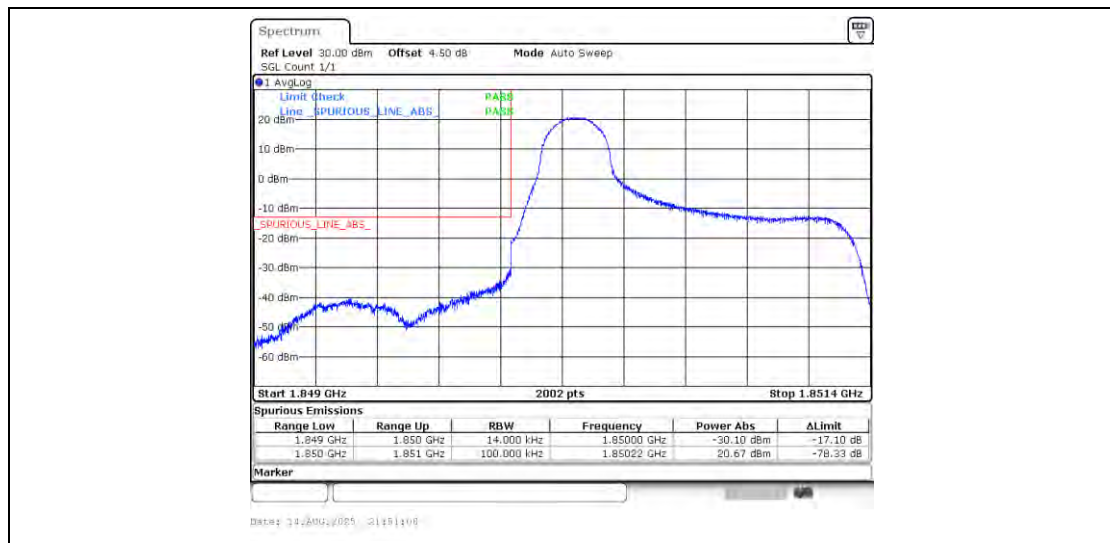
Appendix D: Band Edge

Test Result

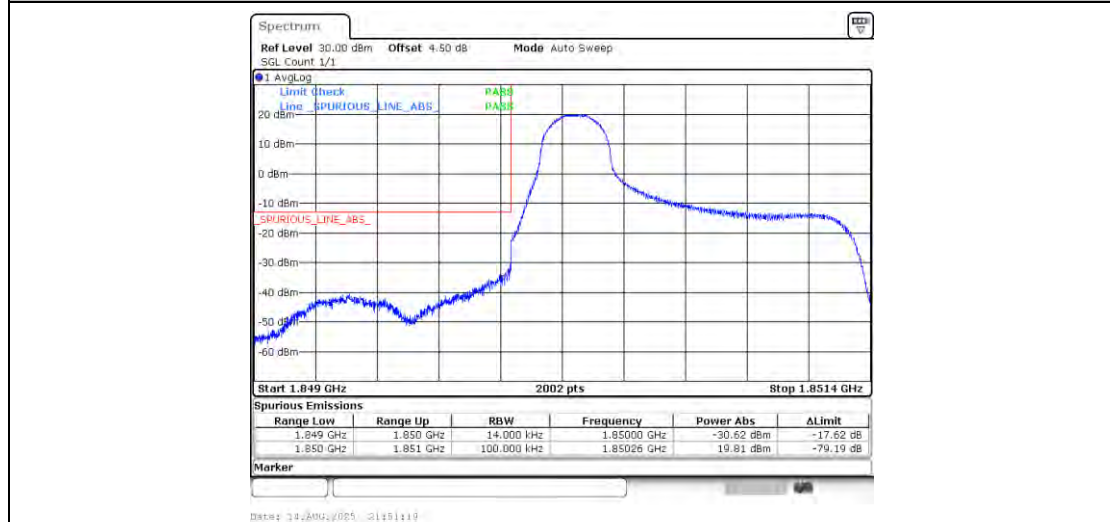
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band2	1.4MHz	QPSK	18607	1RB#0	-30.10	PASS
Band2	1.4MHz	16QAM	18607	1RB#0	-30.62	PASS
Band2	1.4MHz	QPSK	18607	1RB#5	-43.82	PASS
Band2	1.4MHz	16QAM	18607	1RB#5	-44.89	PASS
Band2	1.4MHz	QPSK	18607	6RB#0	-33.78	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	-35.35	PASS
Band2	1.4MHz	QPSK	19193	1RB#0	-47.22	PASS
Band2	1.4MHz	16QAM	19193	1RB#0	-49.05	PASS
Band2	1.4MHz	QPSK	19193	1RB#5	-26.78	PASS
Band2	1.4MHz	16QAM	19193	1RB#5	-31.39	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	-30.55	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	-30.02	PASS
Band2	3MHz	QPSK	18615	1RB#0	-15.16	PASS
Band2	3MHz	16QAM	18615	1RB#0	-17.21	PASS
Band2	3MHz	QPSK	18615	1RB#14	-29.35	PASS
Band2	3MHz	16QAM	18615	1RB#14	-29.82	PASS
Band2	3MHz	QPSK	18615	15RB#0	-25.88	PASS
Band2	3MHz	16QAM	18615	15RB#0	-27.19	PASS
Band2	3MHz	QPSK	19185	1RB#0	-28.87	PASS
Band2	3MHz	16QAM	19185	1RB#0	-30.47	PASS
Band2	3MHz	QPSK	19185	1RB#14	-15.46	PASS
Band2	3MHz	16QAM	19185	1RB#14	-17.95	PASS
Band2	3MHz	QPSK	19185	15RB#0	-24.87	PASS
Band2	3MHz	16QAM	19185	15RB#0	-25.61	PASS
Band2	5MHz	QPSK	18625	1RB#0	-21.30	PASS
Band2	5MHz	16QAM	18625	1RB#0	-22.56	PASS
Band2	5MHz	QPSK	18625	1RB#24	-39.39	PASS
Band2	5MHz	16QAM	18625	1RB#24	-41.28	PASS
Band2	5MHz	QPSK	18625	25RB#0	-31.99	PASS
Band2	5MHz	16QAM	18625	25RB#0	-32.71	PASS
Band2	5MHz	QPSK	19175	1RB#0	-36.93	PASS
Band2	5MHz	16QAM	19175	1RB#0	-38.71	PASS
Band2	5MHz	QPSK	19175	1RB#24	-21.04	PASS
Band2	5MHz	16QAM	19175	1RB#24	-22.10	PASS
Band2	5MHz	QPSK	19175	25RB#0	-30.20	PASS
Band2	5MHz	16QAM	19175	25RB#0	-30.94	PASS
Band2	10MHz	QPSK	18650	1RB#0	-24.08	PASS
Band2	10MHz	16QAM	18650	1RB#0	-24.58	PASS

Band2	10MHz	QPSK	18650	1RB#49	-42.93	PASS
Band2	10MHz	16QAM	18650	1RB#49	-43.38	PASS
Band2	10MHz	QPSK	18650	50RB#0	-34.32	PASS
Band2	10MHz	16QAM	18650	50RB#0	-35.17	PASS
Band2	10MHz	QPSK	19150	1RB#0	-39.62	PASS
Band2	10MHz	16QAM	19150	1RB#0	-40.42	PASS
Band2	10MHz	QPSK	19150	1RB#49	-22.93	PASS
Band2	10MHz	16QAM	19150	1RB#49	-24.65	PASS
Band2	10MHz	QPSK	19150	50RB#0	-33.05	PASS
Band2	10MHz	16QAM	19150	50RB#0	-32.83	PASS
Band2	15MHz	QPSK	18675	1RB#0	-22.66	PASS
Band2	15MHz	16QAM	18675	1RB#0	-22.91	PASS
Band2	15MHz	QPSK	18675	1RB#74	-44.59	PASS
Band2	15MHz	16QAM	18675	1RB#74	-45.04	PASS
Band2	15MHz	QPSK	18675	75RB#0	-34.91	PASS
Band2	15MHz	16QAM	18675	75RB#0	-35.30	PASS
Band2	15MHz	QPSK	19125	1RB#0	-42.47	PASS
Band2	15MHz	16QAM	19125	1RB#0	-43.54	PASS
Band2	15MHz	QPSK	19125	1RB#74	-22.49	PASS
Band2	15MHz	16QAM	19125	1RB#74	-23.79	PASS
Band2	15MHz	QPSK	19125	75RB#0	-32.30	PASS
Band2	15MHz	16QAM	19125	75RB#0	-33.50	PASS
Band2	20MHz	QPSK	18700	1RB#0	-26.01	PASS
Band2	20MHz	16QAM	18700	1RB#0	-26.78	PASS
Band2	20MHz	QPSK	18700	1RB#99	-43.99	PASS
Band2	20MHz	16QAM	18700	1RB#99	-44.76	PASS
Band2	20MHz	QPSK	18700	100RB#0	-36.03	PASS
Band2	20MHz	16QAM	18700	100RB#0	-36.52	PASS
Band2	20MHz	QPSK	19100	1RB#0	-44.37	PASS
Band2	20MHz	16QAM	19100	1RB#0	-44.21	PASS
Band2	20MHz	QPSK	19100	1RB#99	-25.76	PASS
Band2	20MHz	16QAM	19100	1RB#99	-26.29	PASS
Band2	20MHz	QPSK	19100	100RB#0	-34.31	PASS
Band2	20MHz	16QAM	19100	100RB#0	-34.08	PASS

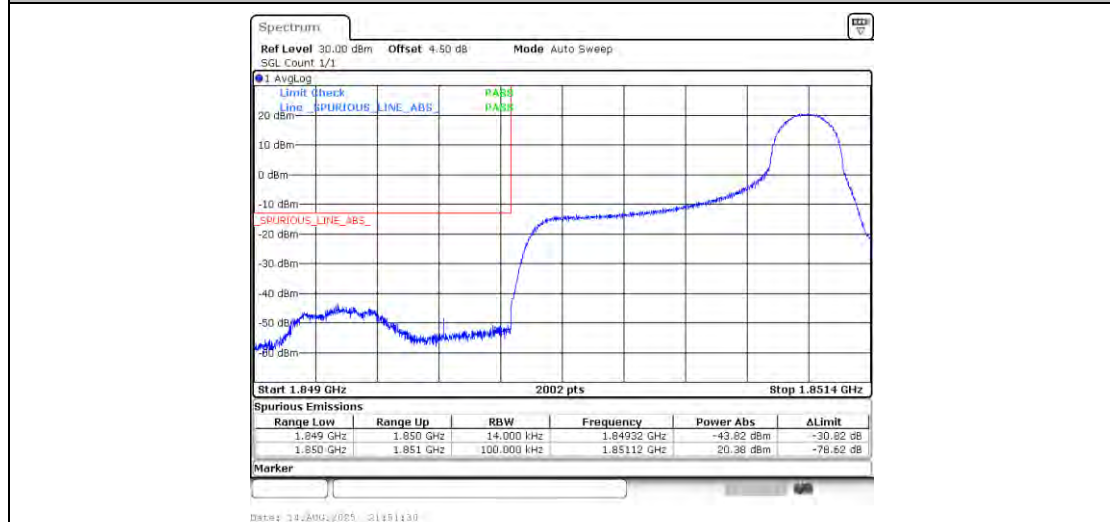
Test Graphs



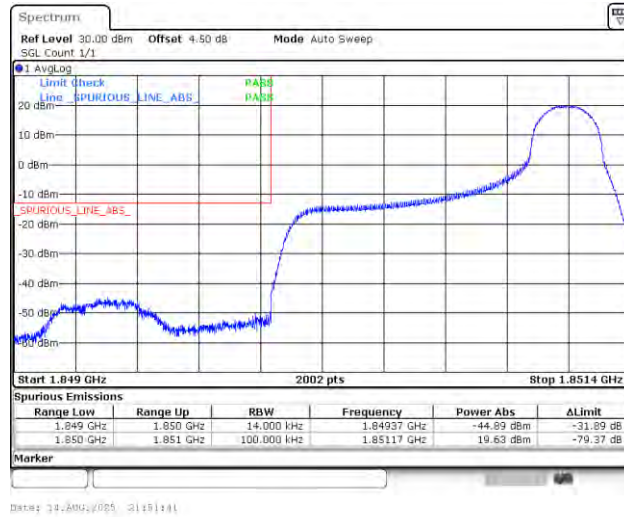
Band2_1.4MHz_QPSK_18607_1RB#0



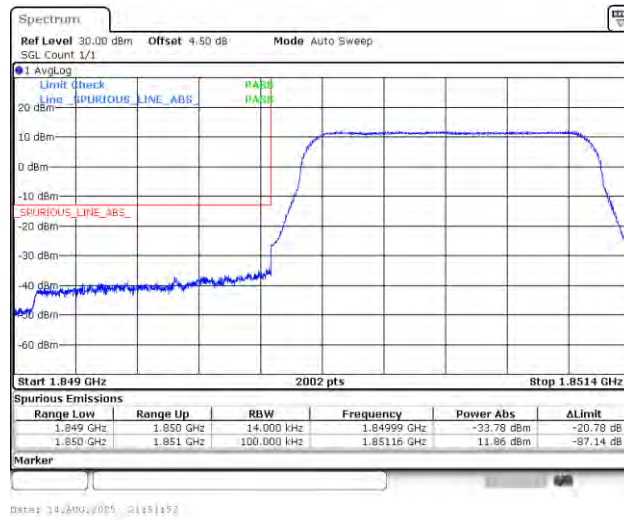
Band2_1.4MHz_16QAM_18607_1RB#0



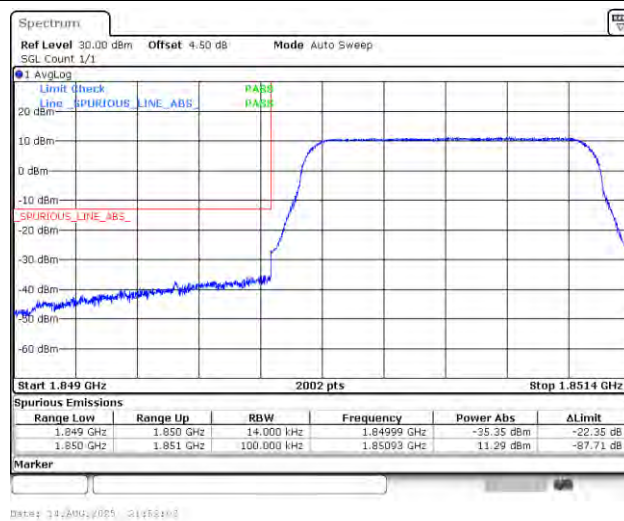
Band2_1.4MHz_QPSK_18607_1RB#5



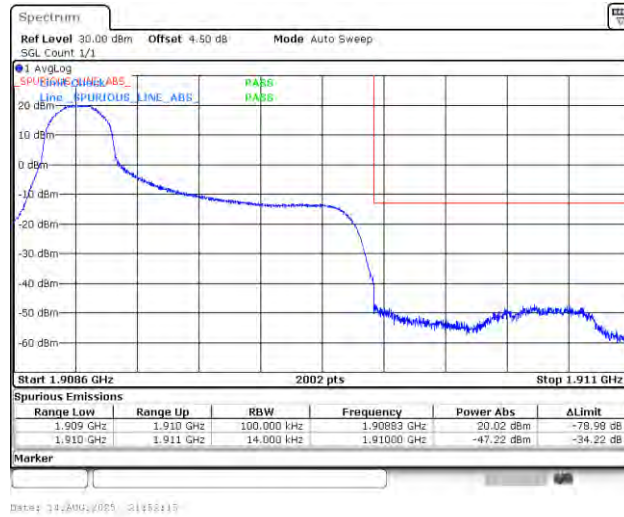
Band2_1.4MHz_16QAM_18607_1RB#5



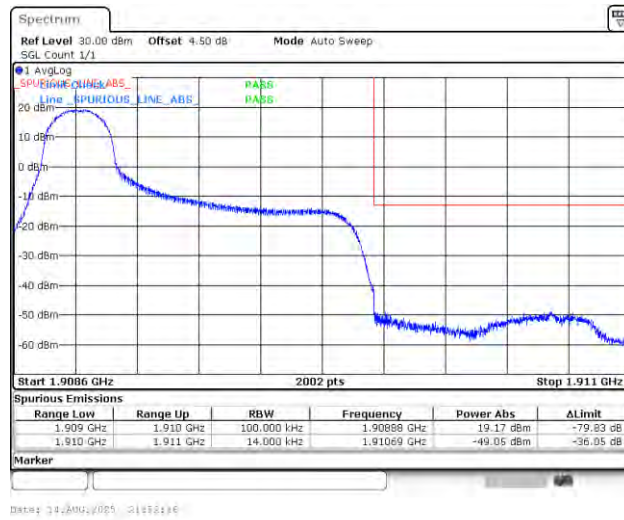
Band2_1.4MHz_QPSK_18607_6RB#0



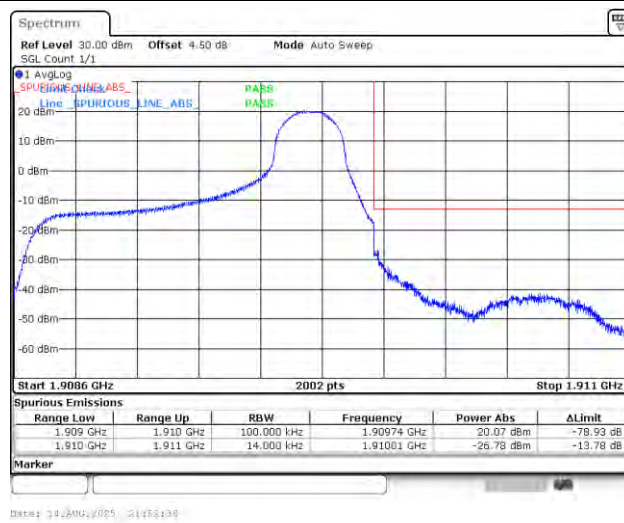
Band2_1.4MHz_16QAM_18607_6RB#0



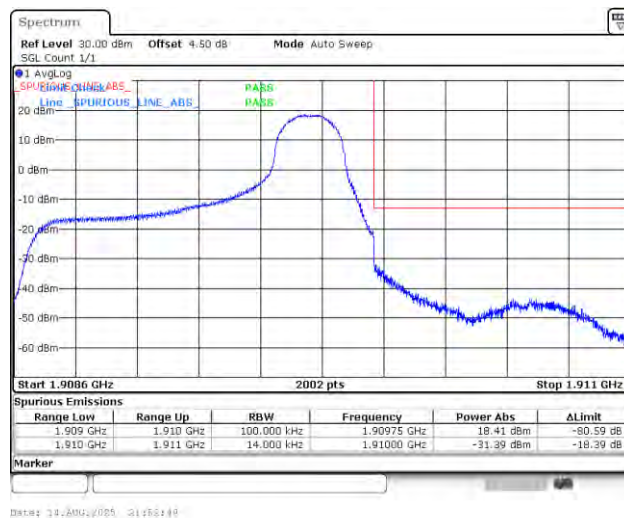
Band2_1.4MHz_QPSK_19193_1RB#0



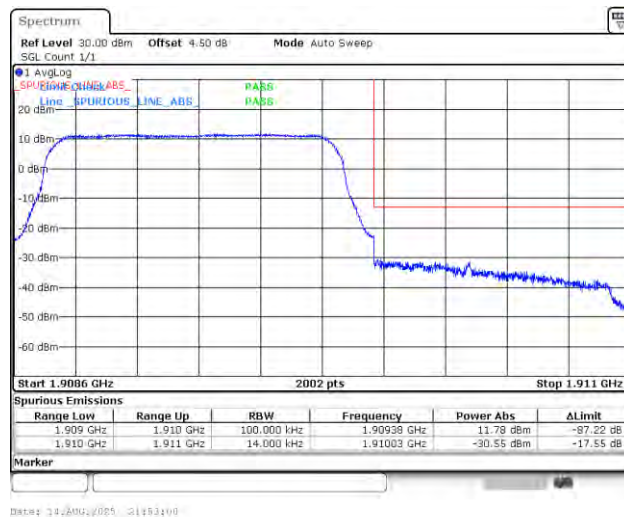
Band2_1.4MHz_16QAM_19193_1RB#0



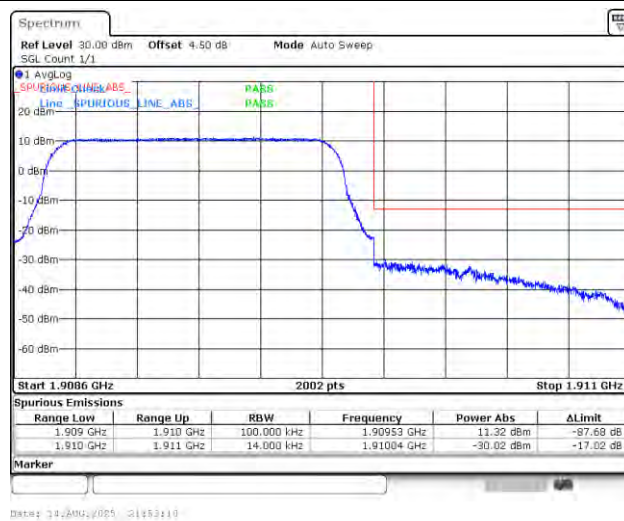
Band2_1.4MHz_QPSK_19193_1RB#5



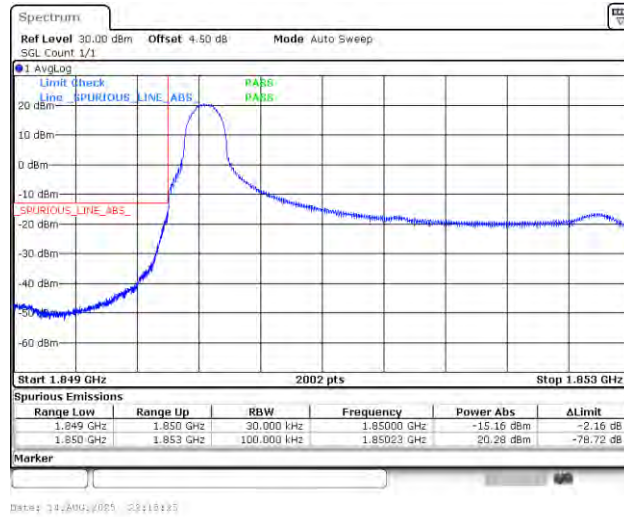
Band2_1.4MHz_16QAM_19193_1RB#5



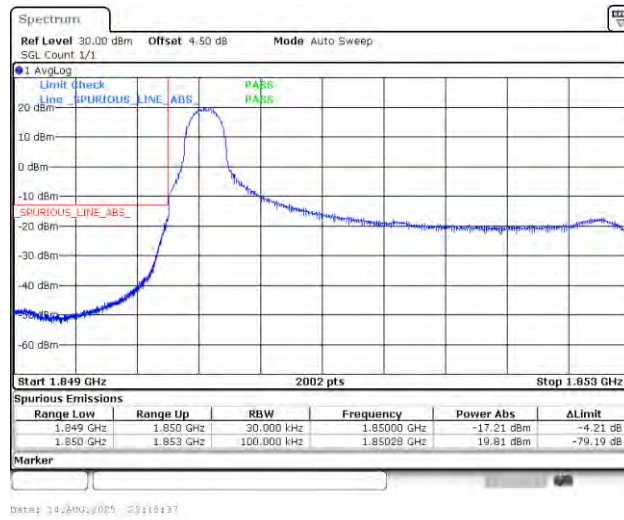
Band2_1.4MHz_QPSK_19193_6RB#0



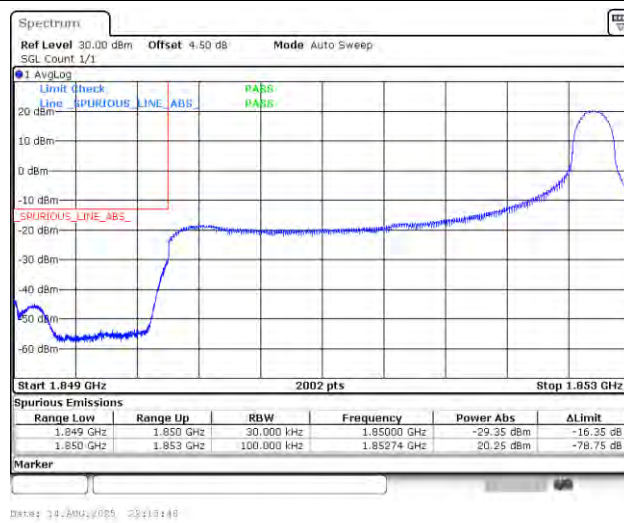
Band2_1.4MHz_16QAM_19193_6RB#0



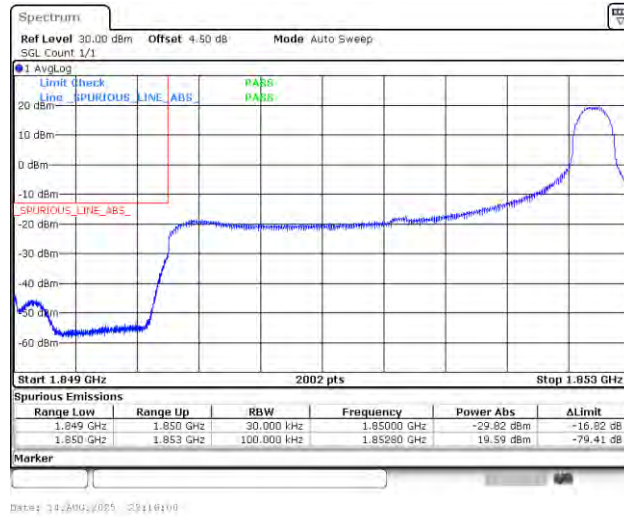
Band2_3MHz_QPSK_18615_1RB#0



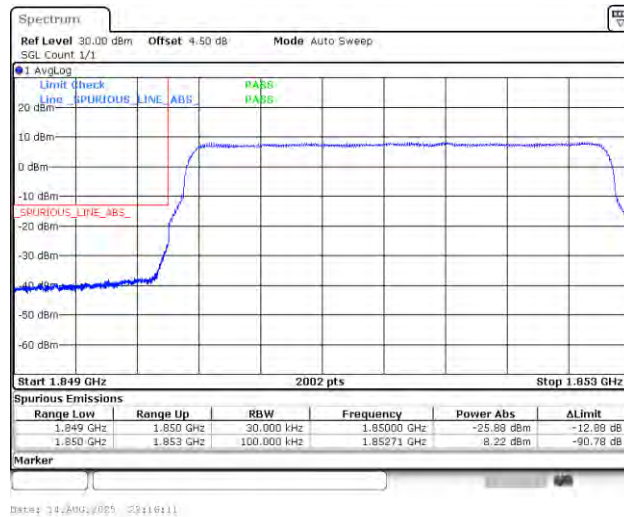
Band2_3MHz_16QAM_18615_1RB#0



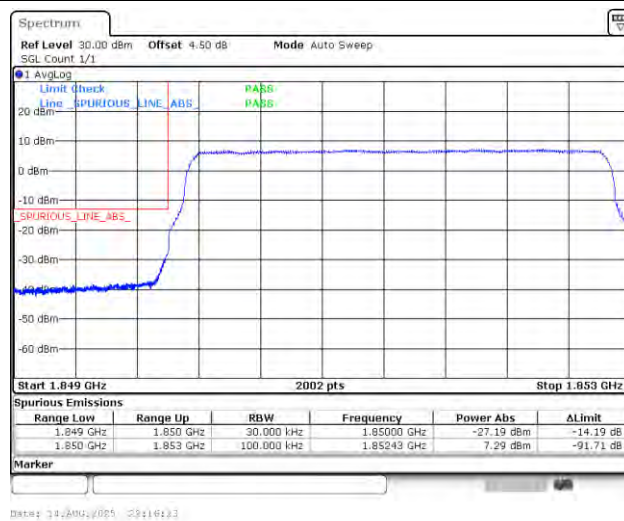
Band2_3MHz_QPSK_18615_1RB#14



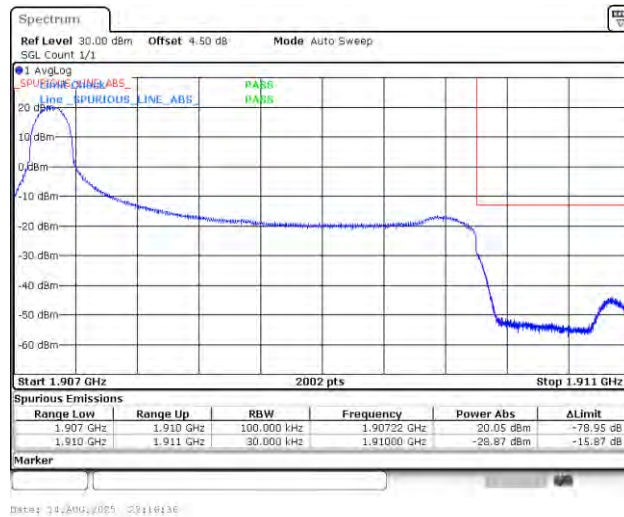
Band2_3MHz_16QAM_18615_1RB#14



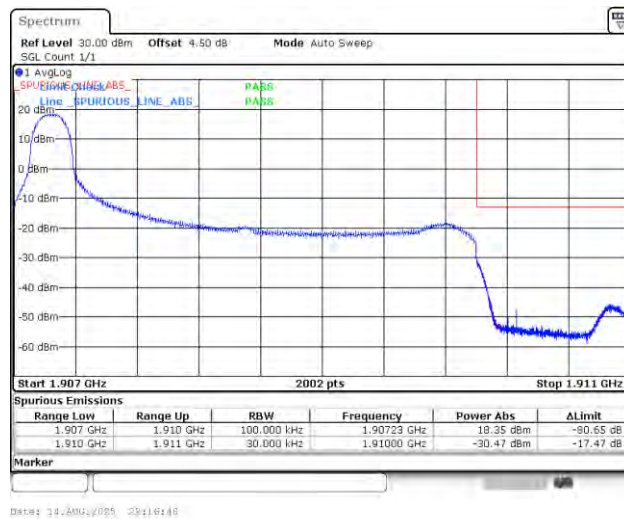
Band2_3MHz_QPSK_18615_15RB#0



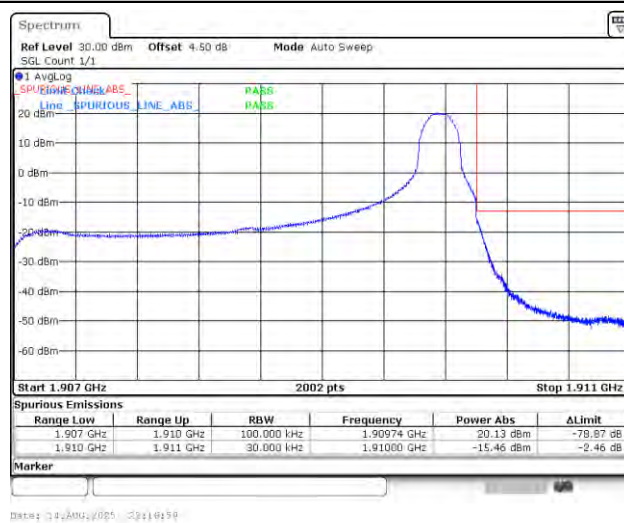
Band2_3MHz_16QAM_18615_15RB#0



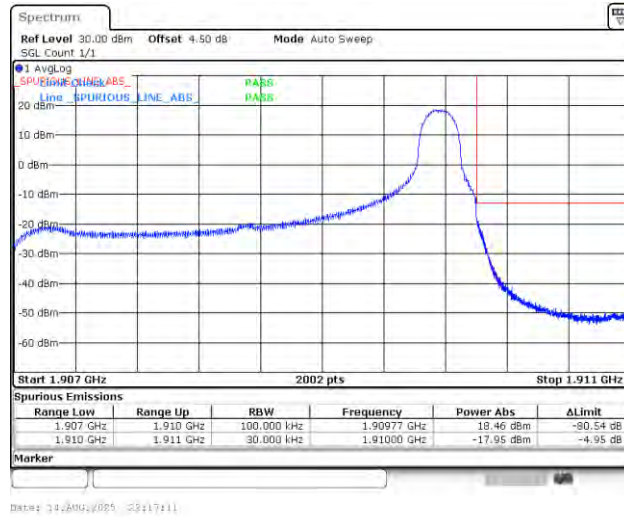
Band2_3MHz_QPSK_19185_1RB#0



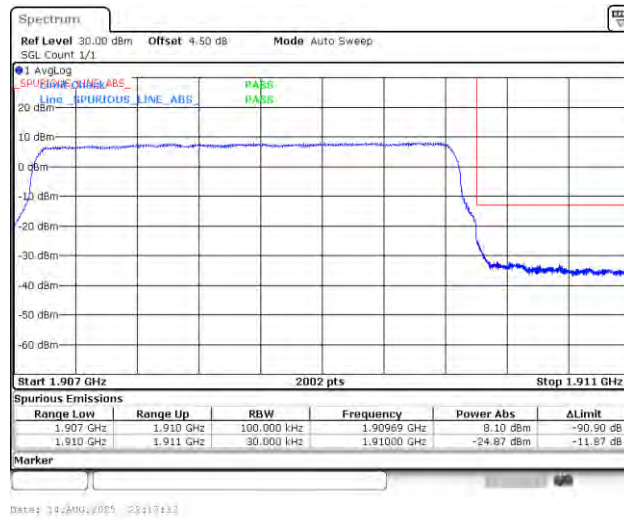
Band2_3MHz_16QAM_19185_1RB#0



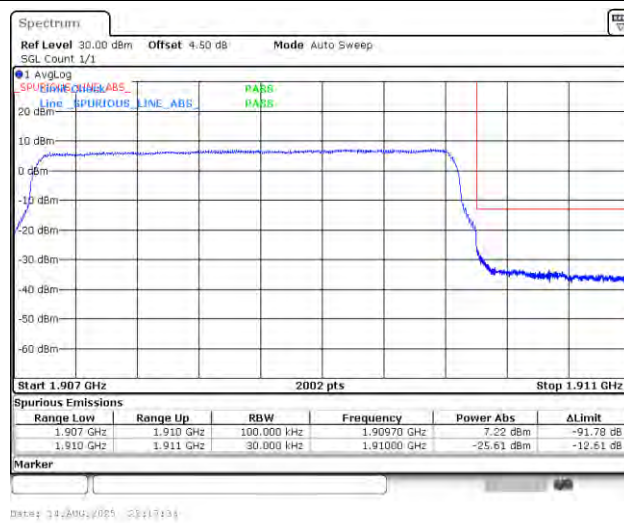
Band2_3MHz_QPSK_19185_1RB#14



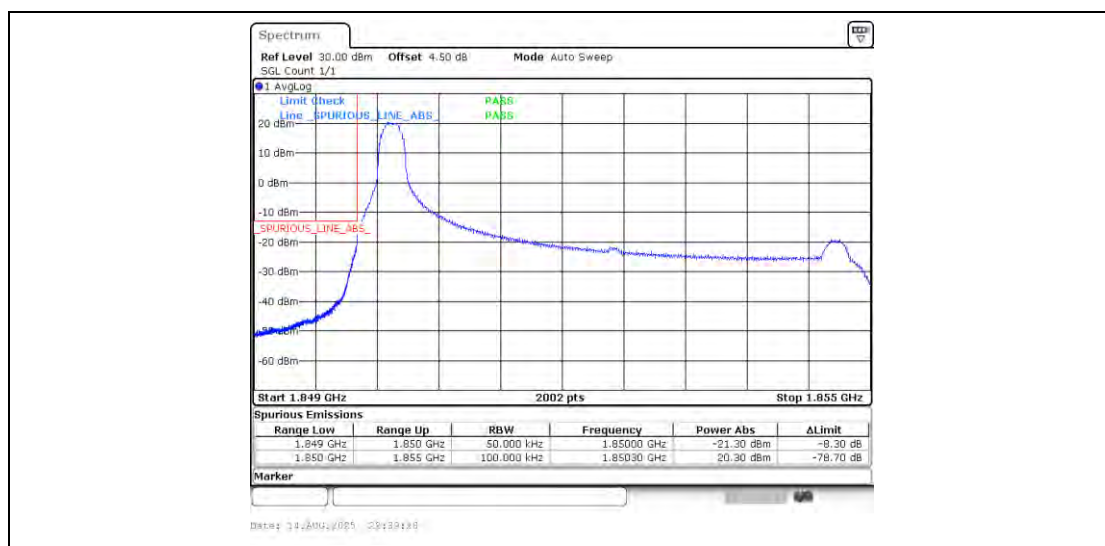
Band2_3MHz_16QAM_19185_1RB#14



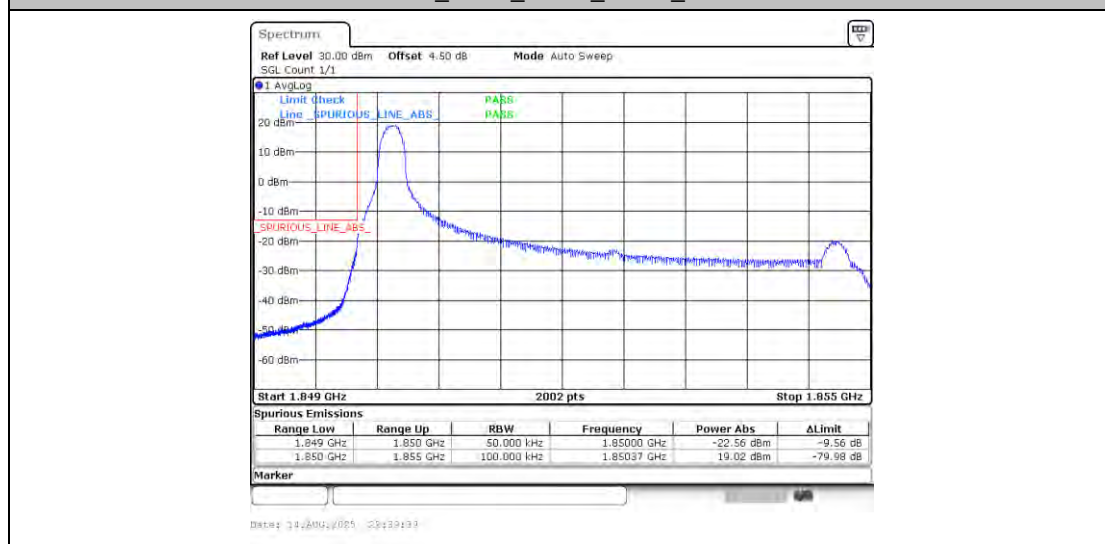
Band2_3MHz_QPSK_19185_15RB#0



Band2_3MHz_16QAM_19185_15RB#0



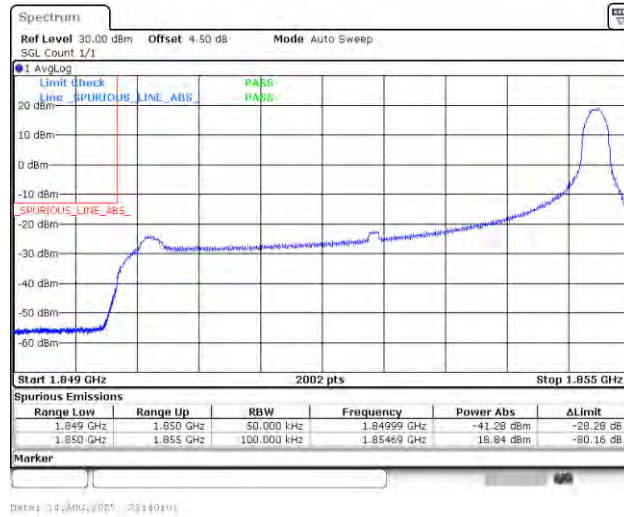
Band2_5MHz_QPSK_18625_1RB#0



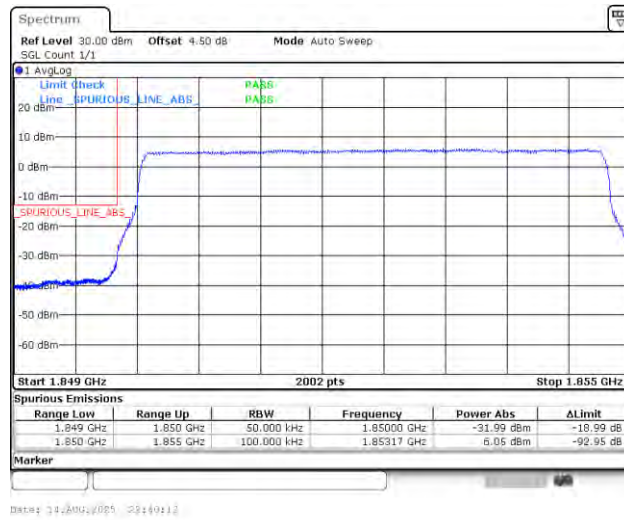
Band2_5MHz_16QAM_18625_1RB#0



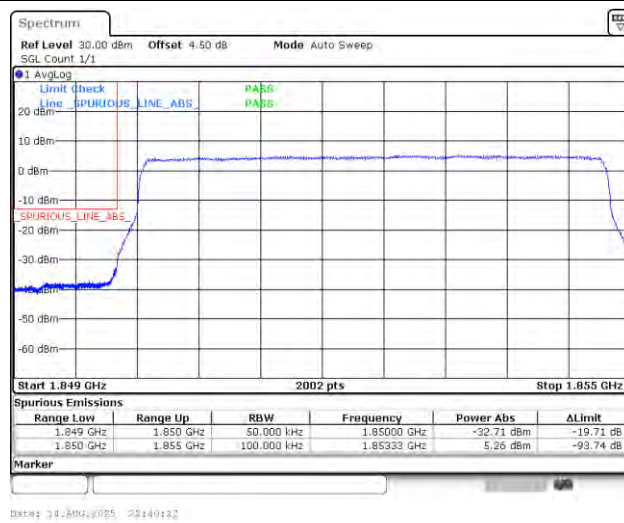
Band2_5MHz_QPSK_18625_1RB#24



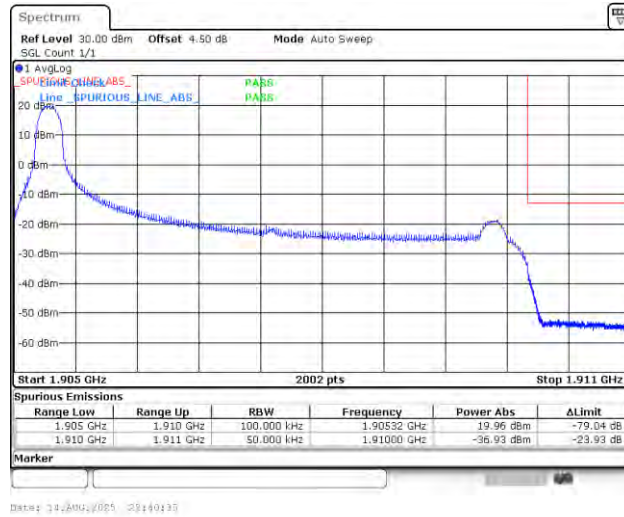
Band2_5MHz_16QAM_18625_1RB#24



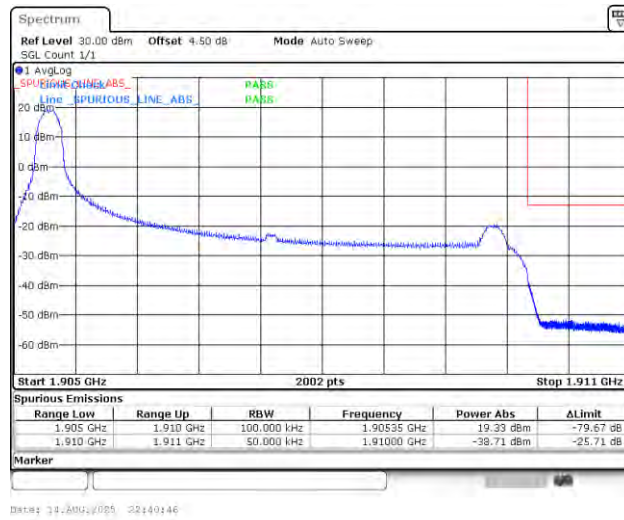
Band2_5MHz_QPSK_18625_25RB#0



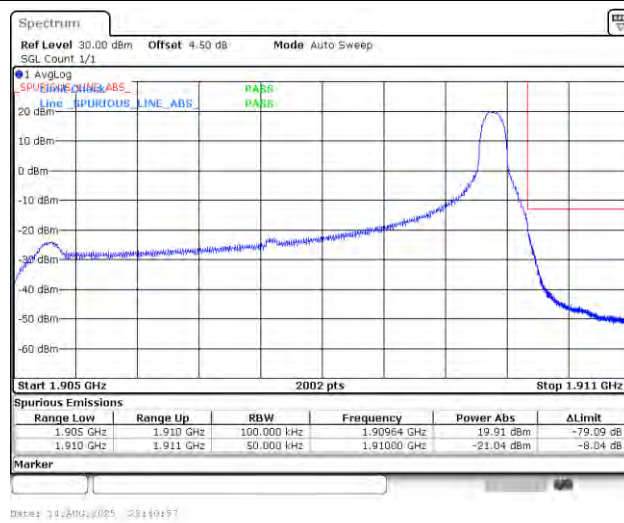
Band2_5MHz_16QAM_18625_25RB#0



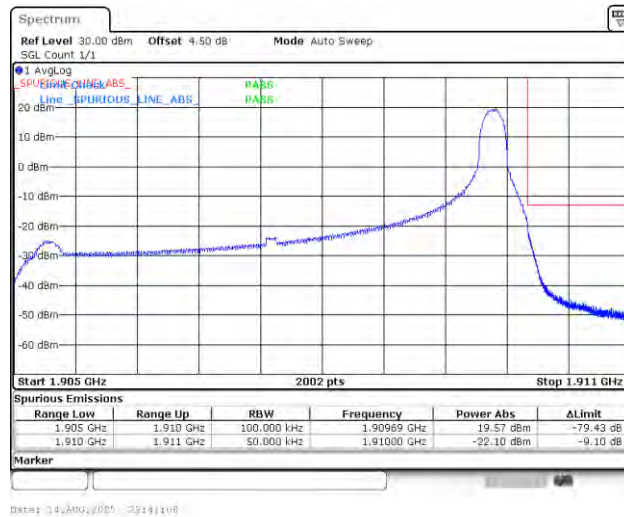
Band2_5MHz_QPSK_19175_1RB#0



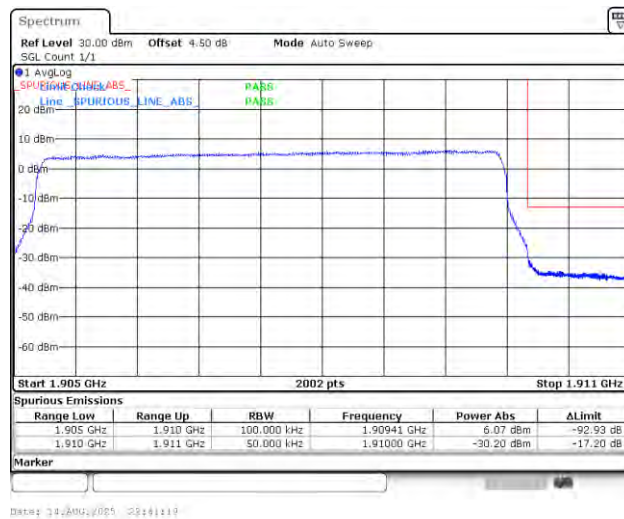
Band2_5MHz_16QAM_19175_1RB#0



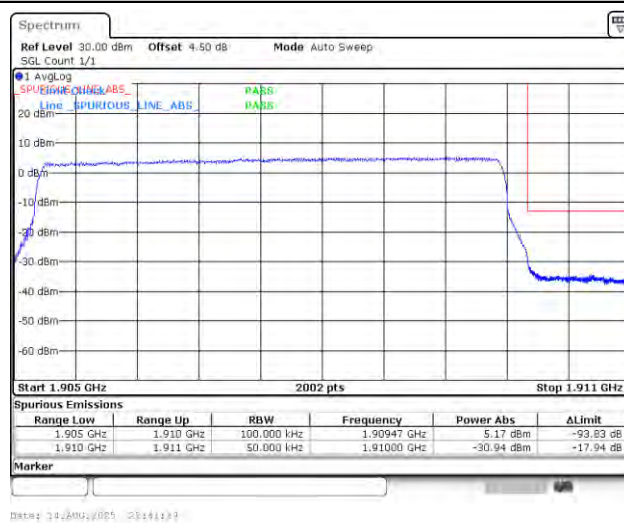
Band2_5MHz_QPSK_19175_1RB#24



Band2_5MHz_16QAM_19175_1RB#24



Band2_5MHz_QPSK_19175_25RB#0



Band2_5MHz_16QAM_19175_25RB#0