

Appendix for LTE Band 38

Applicant: UCLOUDLINK (SINGAPORE) PTE.LTD

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

Product Name: 4G Wireless Data Terminal

Model: GLMD25A01

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Appendix A: Conducted Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band38	5MHz	QPSK	37775	1RB#0	24.00	PASS
Band38	5MHz	16QAM	37775	1RB#0	23.56	PASS
Band38	5MHz	QPSK	37775	1RB#12	24.01	PASS
Band38	5MHz	16QAM	37775	1RB#12	23.62	PASS
Band38	5MHz	QPSK	37775	1RB#24	23.85	PASS
Band38	5MHz	16QAM	37775	1RB#24	23.53	PASS
Band38	5MHz	QPSK	37775	12RB#0	22.95	PASS
Band38	5MHz	16QAM	37775	12RB#0	22.92	PASS
Band38	5MHz	QPSK	37775	12RB#6	22.93	PASS
Band38	5MHz	16QAM	37775	12RB#6	22.94	PASS
Band38	5MHz	QPSK	37775	12RB#13	22.94	PASS
Band38	5MHz	16QAM	37775	12RB#13	22.94	PASS
Band38	5MHz	QPSK	37775	25RB#0	22.95	PASS
Band38	5MHz	16QAM	37775	25RB#0	21.88	PASS
Band38	5MHz	QPSK	38000	1RB#0	24.31	PASS
Band38	5MHz	16QAM	38000	1RB#0	23.57	PASS
Band38	5MHz	QPSK	38000	1RB#12	24.38	PASS
Band38	5MHz	16QAM	38000	1RB#12	23.64	PASS
Band38	5MHz	QPSK	38000	1RB#24	24.26	PASS
Band38	5MHz	16QAM	38000	1RB#24	23.52	PASS
Band38	5MHz	QPSK	38000	12RB#0	23.23	PASS
Band38	5MHz	16QAM	38000	12RB#0	23.23	PASS
Band38	5MHz	QPSK	38000	12RB#6	23.19	PASS
Band38	5MHz	16QAM	38000	12RB#6	23.19	PASS
Band38	5MHz	QPSK	38000	12RB#13	23.19	PASS
Band38	5MHz	16QAM	38000	12RB#13	23.19	PASS
Band38	5MHz	QPSK	38000	25RB#0	23.19	PASS
Band38	5MHz	16QAM	38000	25RB#0	22.42	PASS
Band38	5MHz	QPSK	38225	1RB#0	24.15	PASS
Band38	5MHz	16QAM	38225	1RB#0	23.63	PASS
Band38	5MHz	QPSK	38225	1RB#12	24.27	PASS
Band38	5MHz	16QAM	38225	1RB#12	23.70	PASS
Band38	5MHz	QPSK	38225	1RB#24	24.32	PASS
Band38	5MHz	16QAM	38225	1RB#24	23.79	PASS
Band38	5MHz	QPSK	38225	12RB#0	23.33	PASS
Band38	5MHz	16QAM	38225	12RB#0	23.34	PASS
Band38	5MHz	QPSK	38225	12RB#6	23.34	PASS
Band38	5MHz	16QAM	38225	12RB#6	23.34	PASS

Band38	5MHz	QPSK	38225	12RB#13	23.34	PASS
Band38	5MHz	16QAM	38225	12RB#13	23.34	PASS
Band38	5MHz	QPSK	38225	25RB#0	23.34	PASS
Band38	5MHz	16QAM	38225	25RB#0	22.32	PASS
Band38	10MHz	QPSK	37800	1RB#0	23.72	PASS
Band38	10MHz	16QAM	37800	1RB#0	22.69	PASS
Band38	10MHz	QPSK	37800	1RB#24	23.73	PASS
Band38	10MHz	16QAM	37800	1RB#24	22.78	PASS
Band38	10MHz	QPSK	37800	1RB#49	23.57	PASS
Band38	10MHz	16QAM	37800	1RB#49	22.47	PASS
Band38	10MHz	QPSK	37800	25RB#0	22.65	PASS
Band38	10MHz	16QAM	37800	25RB#0	22.65	PASS
Band38	10MHz	QPSK	37800	25RB#12	22.80	PASS
Band38	10MHz	16QAM	37800	25RB#12	22.66	PASS
Band38	10MHz	QPSK	37800	25RB#25	22.50	PASS
Band38	10MHz	16QAM	37800	25RB#25	22.50	PASS
Band38	10MHz	QPSK	37800	50RB#0	22.58	PASS
Band38	10MHz	16QAM	37800	50RB#0	21.74	PASS
Band38	10MHz	QPSK	38000	1RB#0	24.29	PASS
Band38	10MHz	16QAM	38000	1RB#0	23.18	PASS
Band38	10MHz	QPSK	38000	1RB#24	24.47	PASS
Band38	10MHz	16QAM	38000	1RB#24	23.34	PASS
Band38	10MHz	QPSK	38000	1RB#49	24.31	PASS
Band38	10MHz	16QAM	38000	1RB#49	23.15	PASS
Band38	10MHz	QPSK	38000	25RB#0	23.37	PASS
Band38	10MHz	16QAM	38000	25RB#0	23.46	PASS
Band38	10MHz	QPSK	38000	25RB#12	23.43	PASS
Band38	10MHz	16QAM	38000	25RB#12	23.46	PASS
Band38	10MHz	QPSK	38000	25RB#25	23.36	PASS
Band38	10MHz	16QAM	38000	25RB#25	23.36	PASS
Band38	10MHz	QPSK	38000	50RB#0	23.41	PASS
Band38	10MHz	16QAM	38000	50RB#0	22.47	PASS
Band38	10MHz	QPSK	38200	1RB#0	24.18	PASS
Band38	10MHz	16QAM	38200	1RB#0	23.80	PASS
Band38	10MHz	QPSK	38200	1RB#24	24.42	PASS
Band38	10MHz	16QAM	38200	1RB#24	23.99	PASS
Band38	10MHz	QPSK	38200	1RB#49	24.59	PASS
Band38	10MHz	16QAM	38200	1RB#49	24.06	PASS
Band38	10MHz	QPSK	38200	25RB#0	23.29	PASS
Band38	10MHz	16QAM	38200	25RB#0	23.30	PASS
Band38	10MHz	QPSK	38200	25RB#12	23.32	PASS
Band38	10MHz	16QAM	38200	25RB#12	23.32	PASS
Band38	10MHz	QPSK	38200	25RB#25	23.50	PASS

Band38	10MHz	16QAM	38200	25RB#25	23.50	PASS
Band38	10MHz	QPSK	38200	50RB#0	23.38	PASS
Band38	10MHz	16QAM	38200	50RB#0	22.49	PASS
Band38	15MHz	QPSK	37825	1RB#0	24.14	PASS
Band38	15MHz	16QAM	37825	1RB#0	23.28	PASS
Band38	15MHz	QPSK	37825	1RB#38	24.06	PASS
Band38	15MHz	16QAM	37825	1RB#38	23.15	PASS
Band38	15MHz	QPSK	37825	1RB#74	24.08	PASS
Band38	15MHz	16QAM	37825	1RB#74	23.10	PASS
Band38	15MHz	QPSK	37825	38RB#0	22.92	PASS
Band38	15MHz	16QAM	37825	38RB#0	22.93	PASS
Band38	15MHz	QPSK	37825	38RB#18	22.93	PASS
Band38	15MHz	16QAM	37825	38RB#18	22.94	PASS
Band38	15MHz	QPSK	37825	38RB#37	22.94	PASS
Band38	15MHz	16QAM	37825	38RB#37	22.94	PASS
Band38	15MHz	QPSK	37825	75RB#0	22.94	PASS
Band38	15MHz	16QAM	37825	75RB#0	21.96	PASS
Band38	15MHz	QPSK	38000	1RB#0	24.21	PASS
Band38	15MHz	16QAM	38000	1RB#0	22.46	PASS
Band38	15MHz	QPSK	38000	1RB#38	24.58	PASS
Band38	15MHz	16QAM	38000	1RB#38	22.84	PASS
Band38	15MHz	QPSK	38000	1RB#74	24.38	PASS
Band38	15MHz	16QAM	38000	1RB#74	22.50	PASS
Band38	15MHz	QPSK	38000	38RB#0	23.37	PASS
Band38	15MHz	16QAM	38000	38RB#0	23.36	PASS
Band38	15MHz	QPSK	38000	38RB#18	23.39	PASS
Band38	15MHz	16QAM	38000	38RB#18	23.40	PASS
Band38	15MHz	QPSK	38000	38RB#37	23.36	PASS
Band38	15MHz	16QAM	38000	38RB#37	23.37	PASS
Band38	15MHz	QPSK	38000	75RB#0	23.37	PASS
Band38	15MHz	16QAM	38000	75RB#0	22.57	PASS
Band38	15MHz	QPSK	38175	1RB#0	24.31	PASS
Band38	15MHz	16QAM	38175	1RB#0	23.83	PASS
Band38	15MHz	QPSK	38175	1RB#38	24.32	PASS
Band38	15MHz	16QAM	38175	1RB#38	23.87	PASS
Band38	15MHz	QPSK	38175	1RB#74	24.59	PASS
Band38	15MHz	16QAM	38175	1RB#74	24.16	PASS
Band38	15MHz	QPSK	38175	38RB#0	23.24	PASS
Band38	15MHz	16QAM	38175	38RB#0	23.26	PASS
Band38	15MHz	QPSK	38175	38RB#18	23.26	PASS
Band38	15MHz	16QAM	38175	38RB#18	23.27	PASS
Band38	15MHz	QPSK	38175	38RB#37	23.27	PASS
Band38	15MHz	16QAM	38175	38RB#37	23.27	PASS

Band38	15MHz	QPSK	38175	75RB#0	23.25	PASS
Band38	15MHz	16QAM	38175	75RB#0	22.41	PASS
Band38	20MHz	QPSK	37850	1RB#0	23.91	PASS
Band38	20MHz	16QAM	37850	1RB#0	23.36	PASS
Band38	20MHz	QPSK	37850	1RB#49	23.67	PASS
Band38	20MHz	16QAM	37850	1RB#49	22.98	PASS
Band38	20MHz	QPSK	37850	1RB#99	24.01	PASS
Band38	20MHz	16QAM	37850	1RB#99	23.45	PASS
Band38	20MHz	QPSK	37850	50RB#0	22.91	PASS
Band38	20MHz	16QAM	37850	50RB#0	22.19	PASS
Band38	20MHz	QPSK	37850	50RB#25	22.94	PASS
Band38	20MHz	16QAM	37850	50RB#25	22.20	PASS
Band38	20MHz	QPSK	37850	50RB#50	22.96	PASS
Band38	20MHz	16QAM	37850	50RB#50	22.18	PASS
Band38	20MHz	QPSK	37850	100RB#0	22.82	PASS
Band38	20MHz	16QAM	37850	100RB#0	21.81	PASS
Band38	20MHz	QPSK	38000	1RB#0	24.02	PASS
Band38	20MHz	16QAM	38000	1RB#0	23.40	PASS
Band38	20MHz	QPSK	38000	1RB#49	24.57	PASS
Band38	20MHz	16QAM	38000	1RB#49	23.78	PASS
Band38	20MHz	QPSK	38000	1RB#99	24.30	PASS
Band38	20MHz	16QAM	38000	1RB#99	23.60	PASS
Band38	20MHz	QPSK	38000	50RB#0	23.23	PASS
Band38	20MHz	16QAM	38000	50RB#0	22.35	PASS
Band38	20MHz	QPSK	38000	50RB#25	23.27	PASS
Band38	20MHz	16QAM	38000	50RB#25	22.36	PASS
Band38	20MHz	QPSK	38000	50RB#50	23.28	PASS
Band38	20MHz	16QAM	38000	50RB#50	22.46	PASS
Band38	20MHz	QPSK	38000	100RB#0	23.40	PASS
Band38	20MHz	16QAM	38000	100RB#0	22.47	PASS
Band38	20MHz	QPSK	38150	1RB#0	24.41	PASS
Band38	20MHz	16QAM	38150	1RB#0	23.03	PASS
Band38	20MHz	QPSK	38150	1RB#49	24.37	PASS
Band38	20MHz	16QAM	38150	1RB#49	23.03	PASS
Band38	20MHz	QPSK	38150	1RB#99	24.67	PASS
Band38	20MHz	16QAM	38150	1RB#99	23.27	PASS
Band38	20MHz	QPSK	38150	50RB#0	23.21	PASS
Band38	20MHz	16QAM	38150	50RB#0	22.26	PASS
Band38	20MHz	QPSK	38150	50RB#25	23.26	PASS
Band38	20MHz	16QAM	38150	50RB#25	22.28	PASS
Band38	20MHz	QPSK	38150	50RB#50	23.41	PASS
Band38	20MHz	16QAM	38150	50RB#50	22.43	PASS
Band38	20MHz	QPSK	38150	100RB#0	23.19	PASS

Band38	20MHz	16QAM	38150	100RB#0	22.26	PASS
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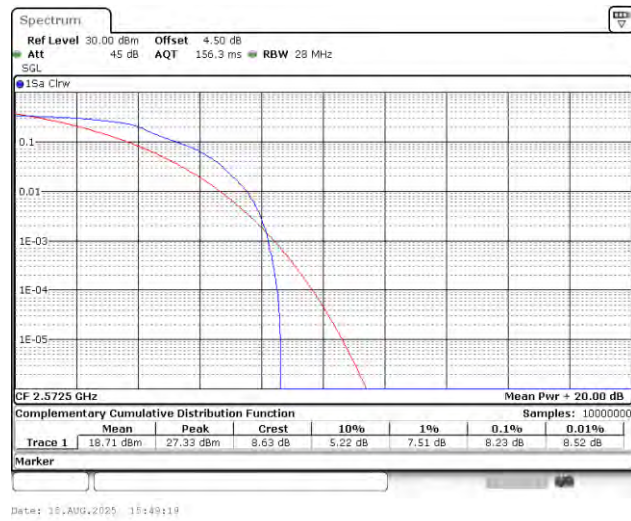
Appendix B: Peak-to-Average Ratio(CCDF)

Test Result

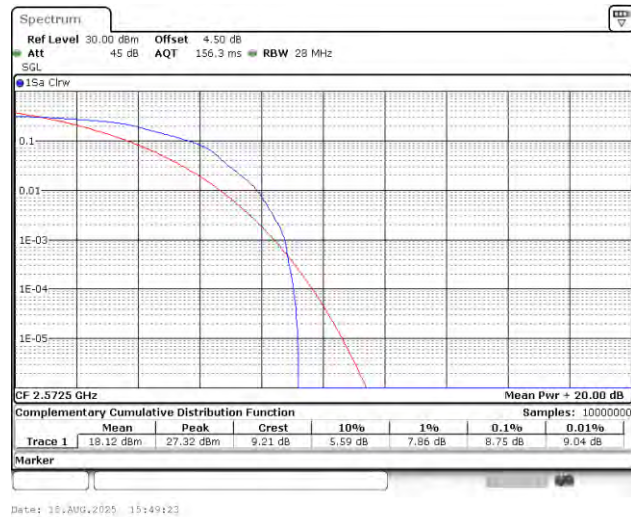
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band38	5MHz	QPSK	37775	1RB#0	8.23	13	PASS
Band38	5MHz	16QAM	37775	1RB#0	8.75	13	PASS
Band38	5MHz	QPSK	37775	25RB#0	8.96	13	PASS
Band38	5MHz	16QAM	37775	25RB#0	9.59	13	PASS
Band38	5MHz	QPSK	38000	1RB#0	8.09	13	PASS
Band38	5MHz	16QAM	38000	1RB#0	8.49	13	PASS
Band38	5MHz	QPSK	38000	25RB#0	8.90	13	PASS
Band38	5MHz	16QAM	38000	25RB#0	9.57	13	PASS
Band38	5MHz	QPSK	38225	1RB#0	8.14	13	PASS
Band38	5MHz	16QAM	38225	1RB#0	8.96	13	PASS
Band38	5MHz	QPSK	38225	25RB#0	8.84	13	PASS
Band38	5MHz	16QAM	38225	25RB#0	9.48	13	PASS
Band38	10MHz	QPSK	37800	1RB#0	7.97	13	PASS
Band38	10MHz	16QAM	37800	1RB#0	8.93	13	PASS
Band38	10MHz	QPSK	37800	50RB#0	8.84	13	PASS
Band38	10MHz	16QAM	37800	50RB#0	9.62	13	PASS
Band38	10MHz	QPSK	38000	1RB#0	8.03	13	PASS
Band38	10MHz	16QAM	38000	1RB#0	8.84	13	PASS
Band38	10MHz	QPSK	38000	50RB#0	8.78	13	PASS
Band38	10MHz	16QAM	38000	50RB#0	9.54	13	PASS
Band38	10MHz	QPSK	38200	1RB#0	8.06	13	PASS
Band38	10MHz	16QAM	38200	1RB#0	8.49	13	PASS
Band38	10MHz	QPSK	38200	50RB#0	8.84	13	PASS
Band38	10MHz	16QAM	38200	50RB#0	9.48	13	PASS
Band38	15MHz	QPSK	37825	1RB#0	7.97	13	PASS
Band38	15MHz	16QAM	37825	1RB#0	8.93	13	PASS
Band38	15MHz	QPSK	37825	75RB#0	9.13	13	PASS
Band38	15MHz	16QAM	37825	75RB#0	9.71	13	PASS
Band38	15MHz	QPSK	38000	1RB#0	8.09	13	PASS
Band38	15MHz	16QAM	38000	1RB#0	9.39	13	PASS
Band38	15MHz	QPSK	38000	75RB#0	9.07	13	PASS
Band38	15MHz	16QAM	38000	75RB#0	9.65	13	PASS
Band38	15MHz	QPSK	38175	1RB#0	7.91	13	PASS
Band38	15MHz	16QAM	38175	1RB#0	8.61	13	PASS
Band38	15MHz	QPSK	38175	75RB#0	9.04	13	PASS
Band38	15MHz	16QAM	38175	75RB#0	9.62	13	PASS
Band38	20MHz	QPSK	37850	1RB#0	8.06	13	PASS
Band38	20MHz	16QAM	37850	1RB#0	8.61	13	PASS

Band38	20MHz	QPSK	37850	100RB#0	8.87	13	PASS
Band38	20MHz	16QAM	37850	100RB#0	9.57	13	PASS
Band38	20MHz	QPSK	38000	1RB#0	8.12	13	PASS
Band38	20MHz	16QAM	38000	1RB#0	8.84	13	PASS
Band38	20MHz	QPSK	38000	100RB#0	8.81	13	PASS
Band38	20MHz	16QAM	38000	100RB#0	9.48	13	PASS
Band38	20MHz	QPSK	38150	1RB#0	8.00	13	PASS
Band38	20MHz	16QAM	38150	1RB#0	8.99	13	PASS
Band38	20MHz	QPSK	38150	100RB#0	8.84	13	PASS
Band38	20MHz	16QAM	38150	100RB#0	9.48	13	PASS

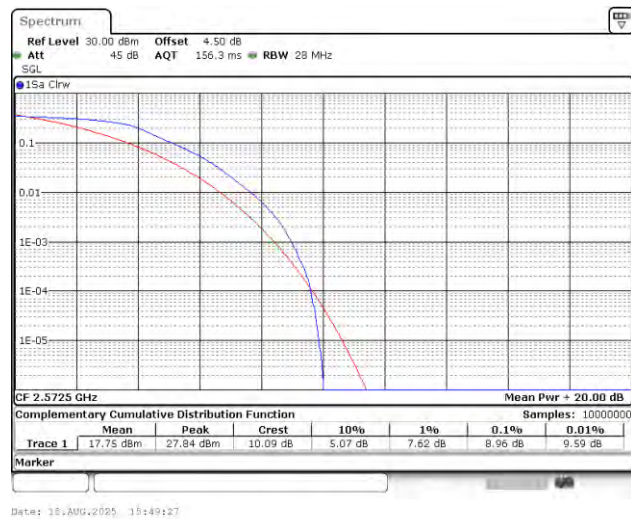
Test Graphs



Band38-5MHz-QPSK-37775-1RB#0-PASS



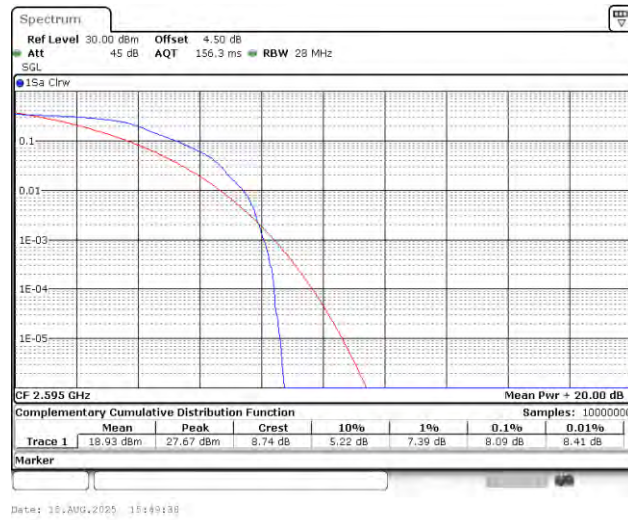
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Band38-5MHz-QPSK-37775-25RB#0-PASS



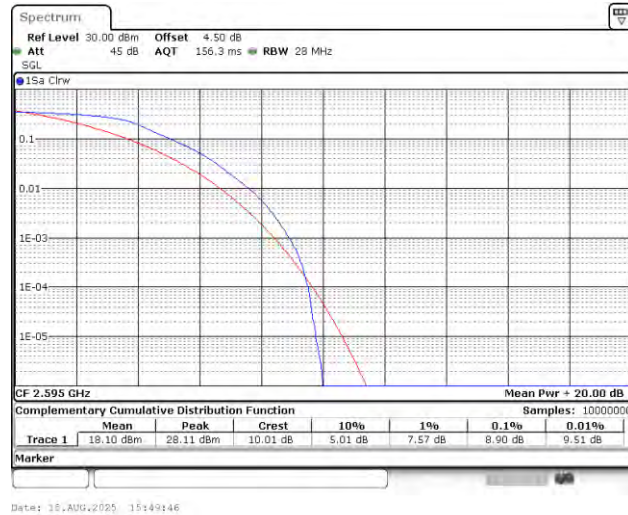
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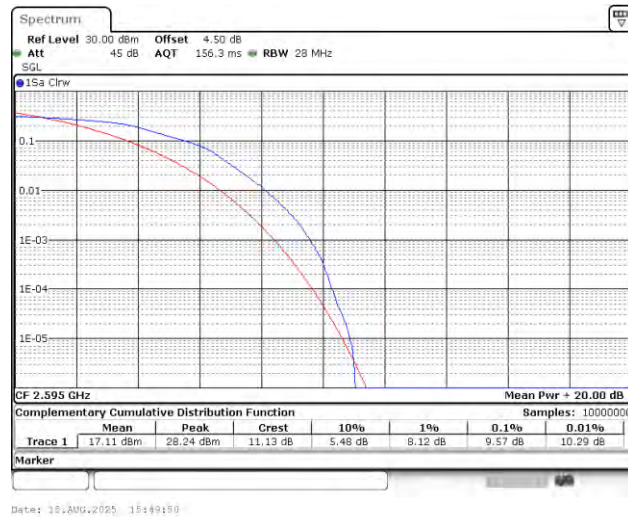
Band38-5MHz-QPSK-38000-1RB#0-PASS



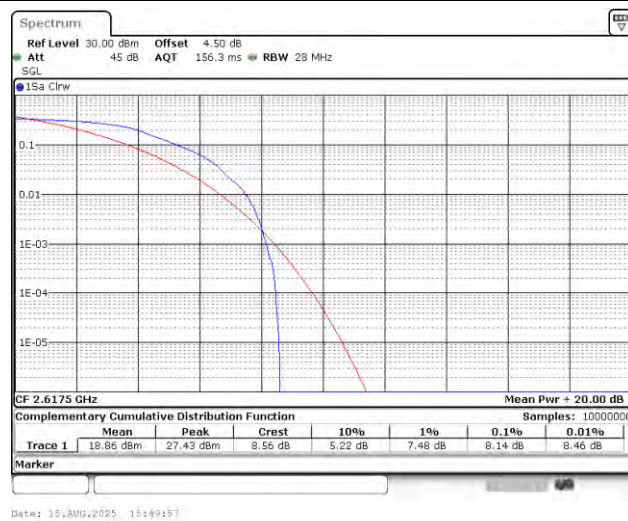
Band38-5MHz-16QAM-38000-1RB#0-PASS



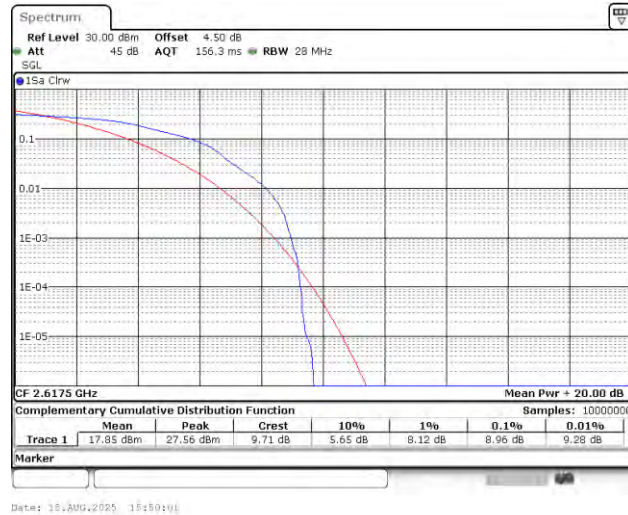
Band38-5MHz-QPSK-38000-25RB#0-PASS



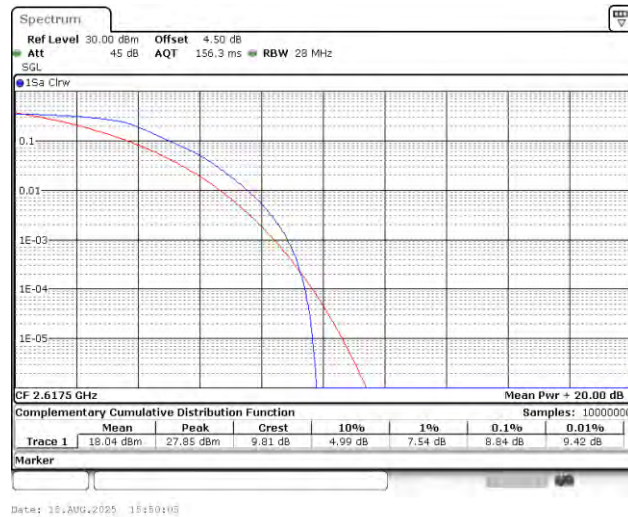
Band38-5MHz-16QAM-38000-25RB#0-PASS



Band38-5MHz-QPSK-38225-1RB#0-PASS



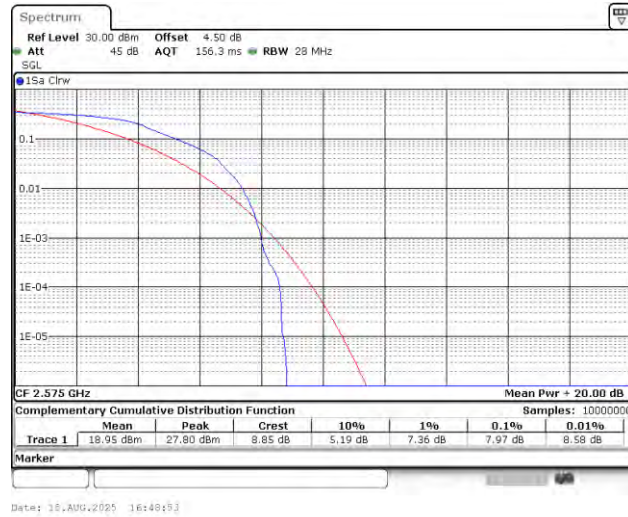
Band38-5MHz-16QAM-38225-1RB#0-PASS



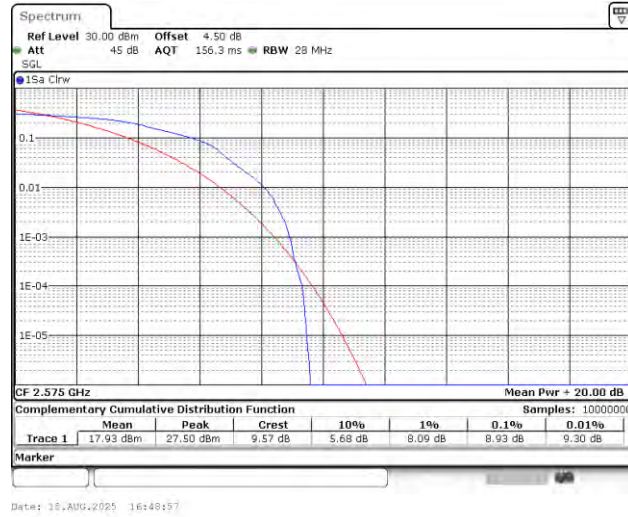
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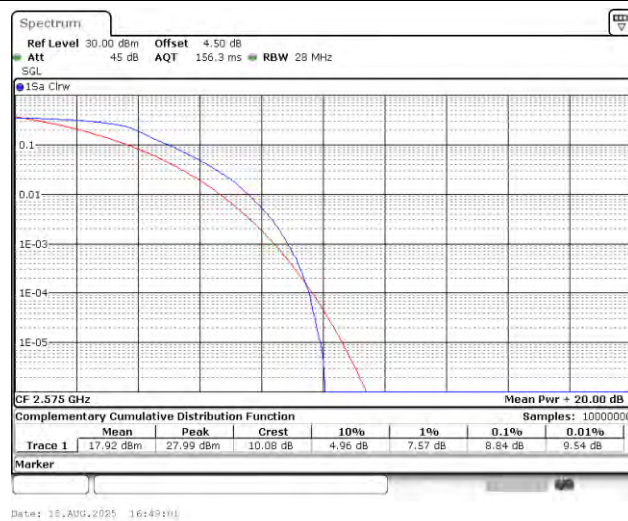
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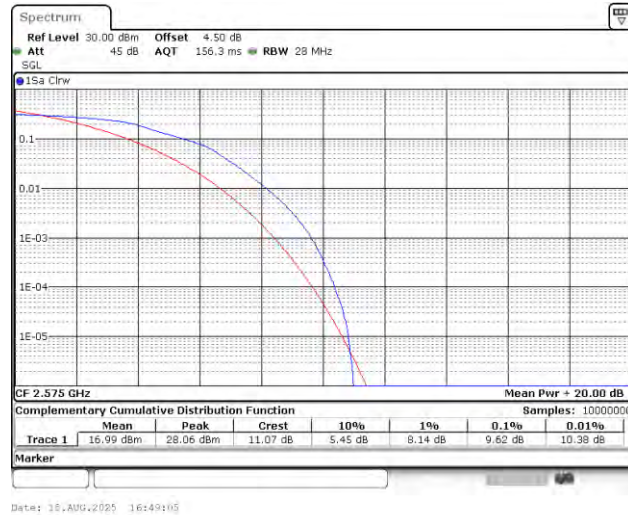
Band38-10MHz-QPSK-37800-1RB#0-PASS



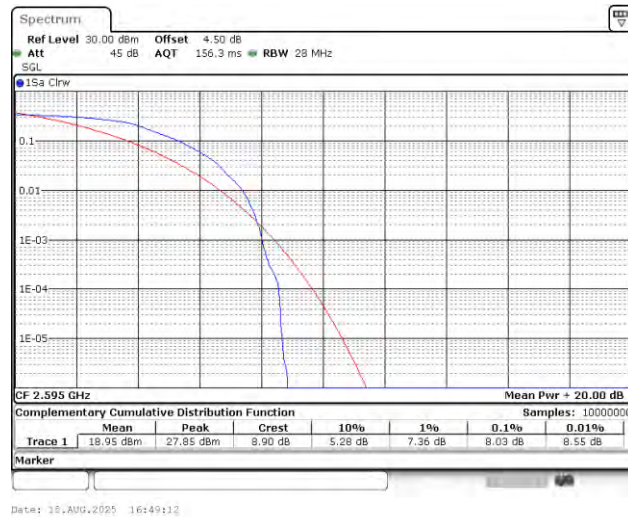
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Band38-10MHz-QPSK-37800-50RB#0-PASS



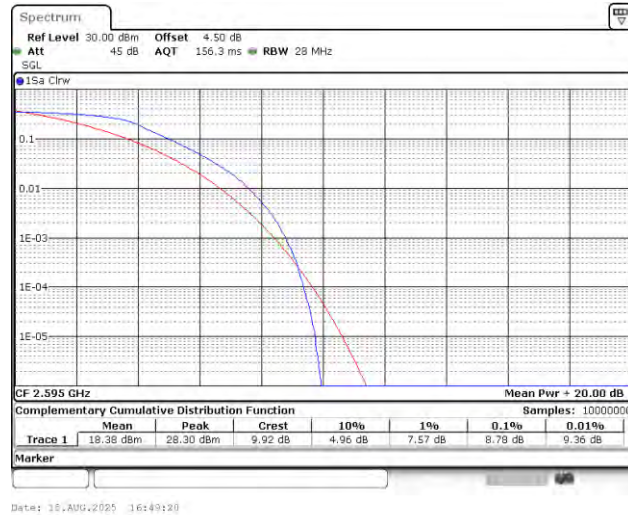
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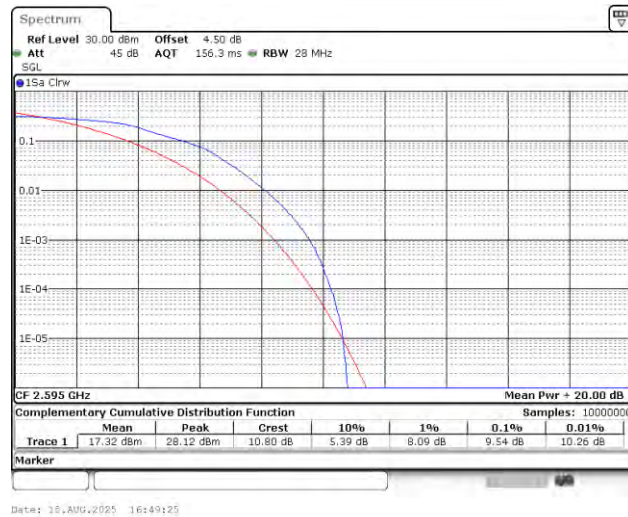
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Band38-10MHz-16QAM-38000-1RB#0-PASS



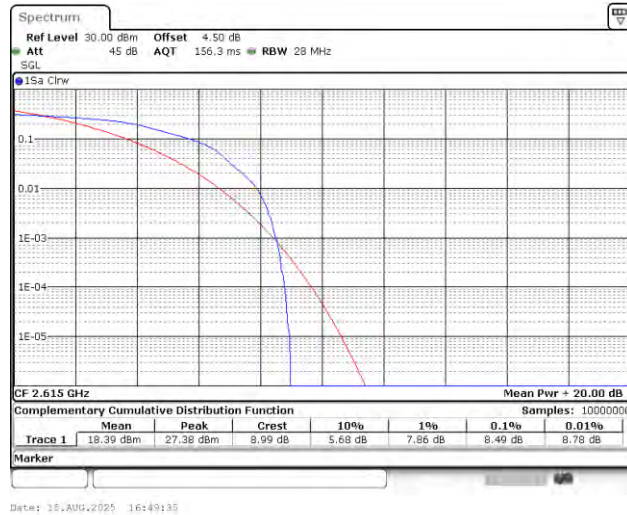
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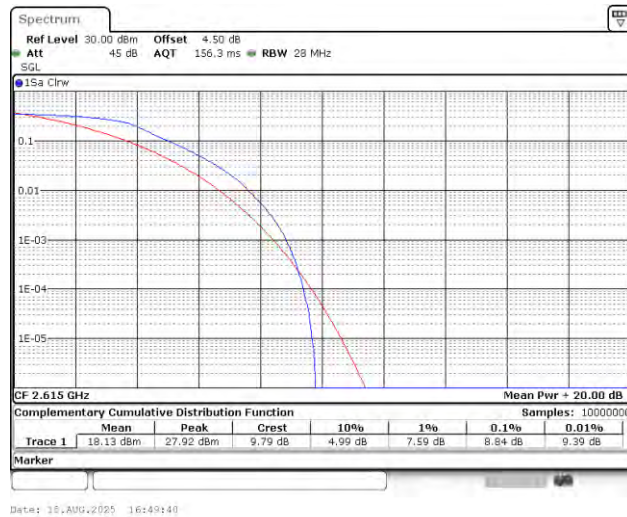
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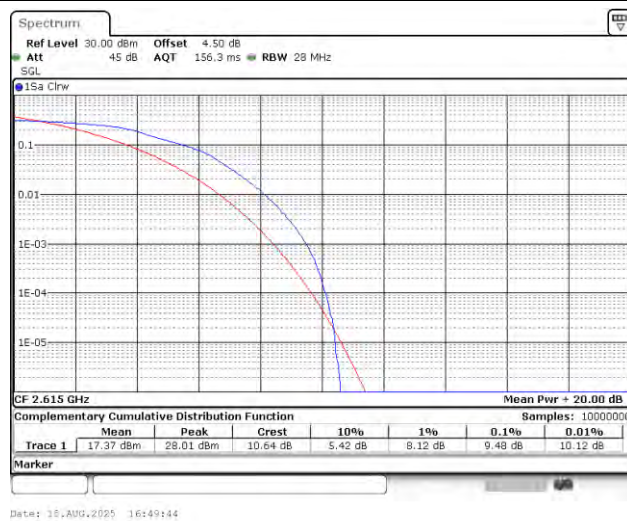
Band38-10MHz-QPSK-38200-1RB#0-PASS



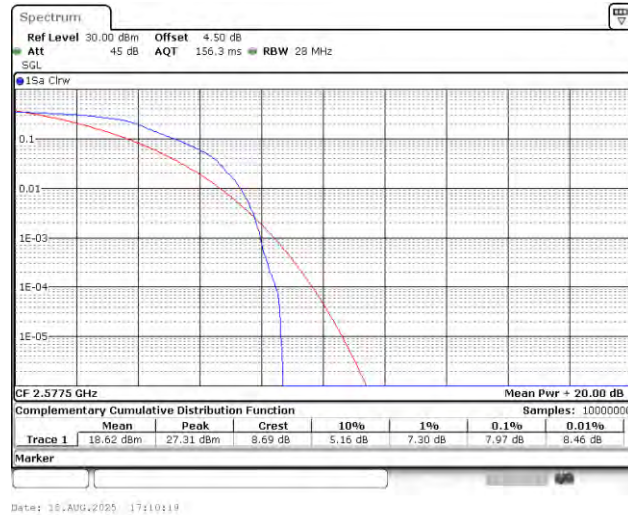
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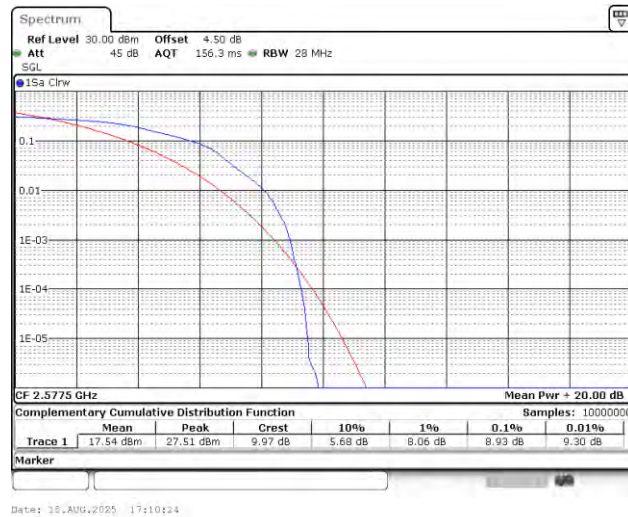
Band38-10MHz-QPSK-38200-50RB#0-PASS



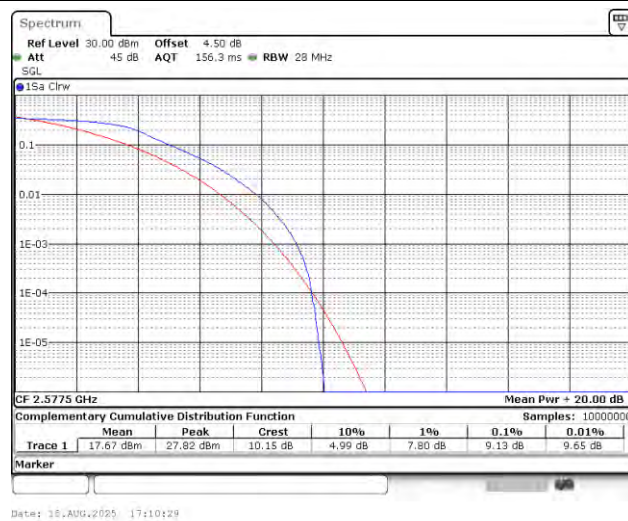
Band38-10MHz-16QAM-38200-50RB#0-PASS



Band38-15MHz-QPSK-37825-1RB#0-PASS



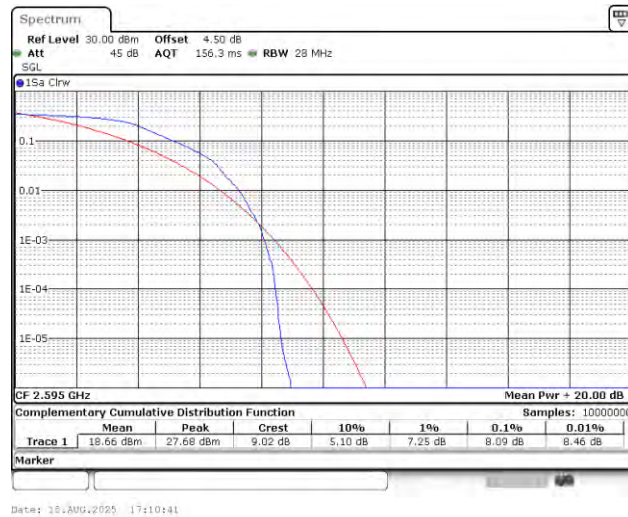
Band38-15MHz-16QAM-37825-1RB#0-PASS



Band38-15MHz-QPSK-37825-75RB#0-PASS



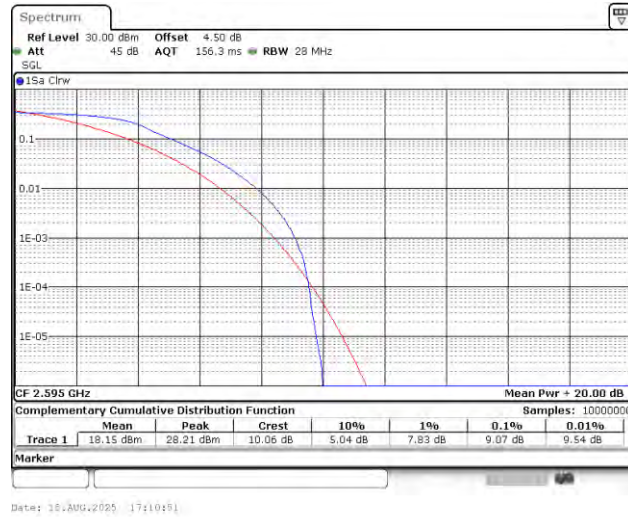
Band38-15MHz-16QAM-37825-75RB#0-PASS



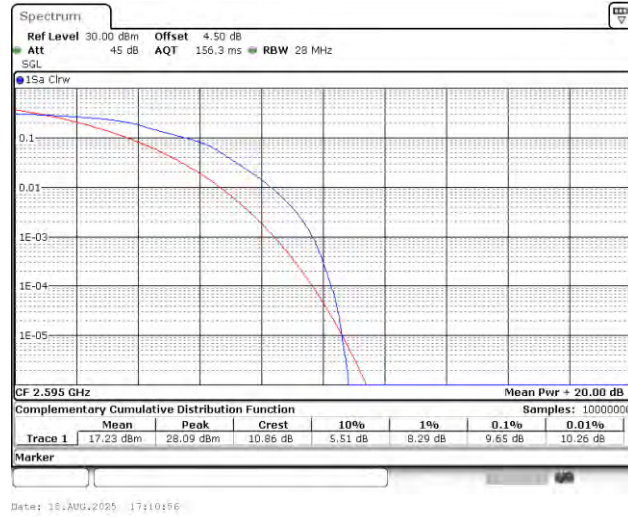
Band38-15MHz-QPSK-38000-1RB#0-PASS



Band38-15MHz-16QAM-38000-1RB#0-PASS



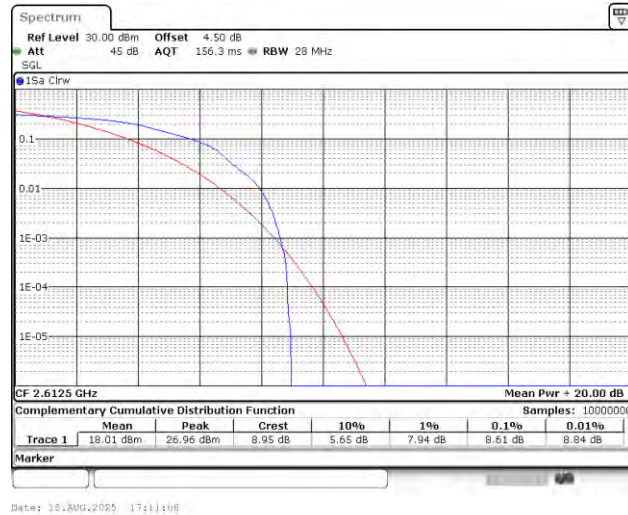
Band38-15MHz-QPSK-38000-75RB#0-PASS



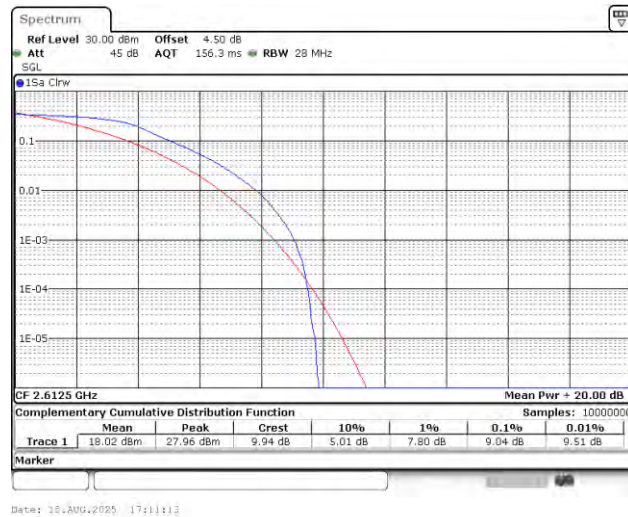
Band38-15MHz-16QAM-38000-75RB#0-PASS



Band38-15MHz-QPSK-38175-1RB#0-PASS



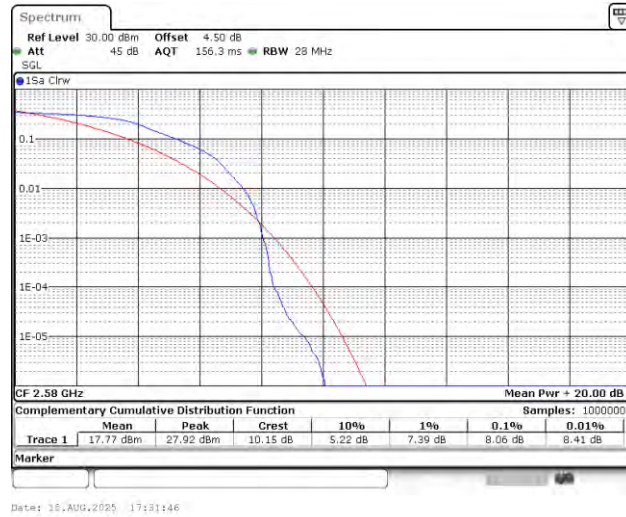
Band38-15MHz-16QAM-38175-1RB#0-PASS



Band38-15MHz-QPSK-38175-75RB#0-PASS



Band38-15MHz-16QAM-38175-75RB#0-PASS



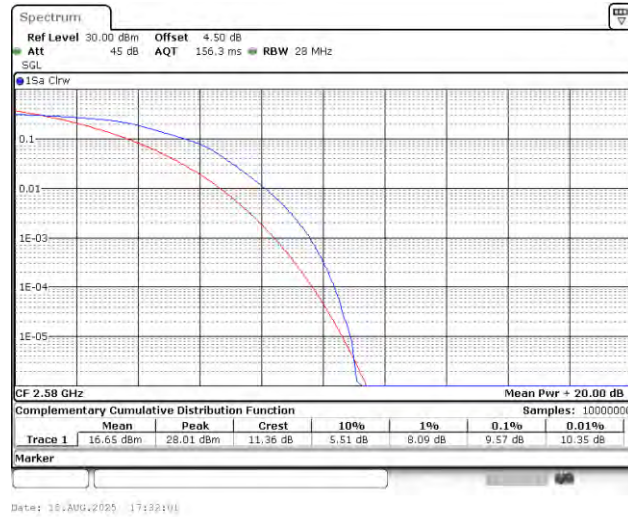
Band38-20MHz-QPSK-37850-1RB#0-PASS



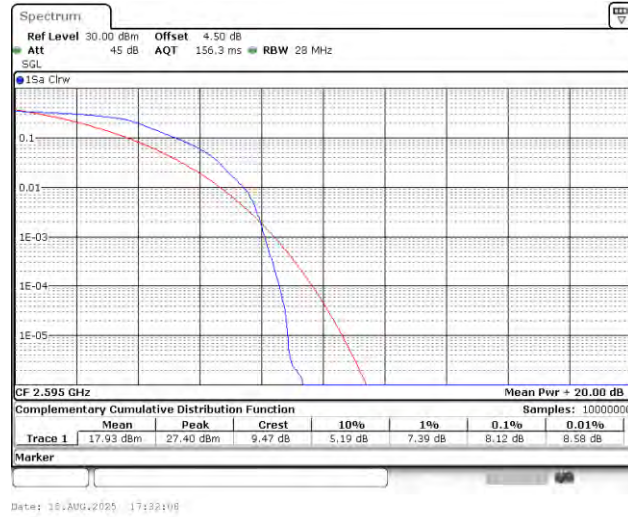
Band38-20MHz-16QAM-37850-1RB#0-PASS



Band38-20MHz-QPSK-37850-100RB#0-PASS



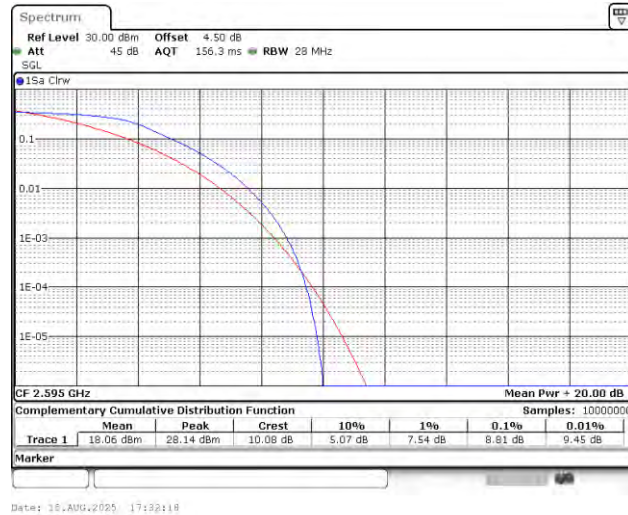
Band38-20MHz-16QAM-37850-100RB#0-PASS



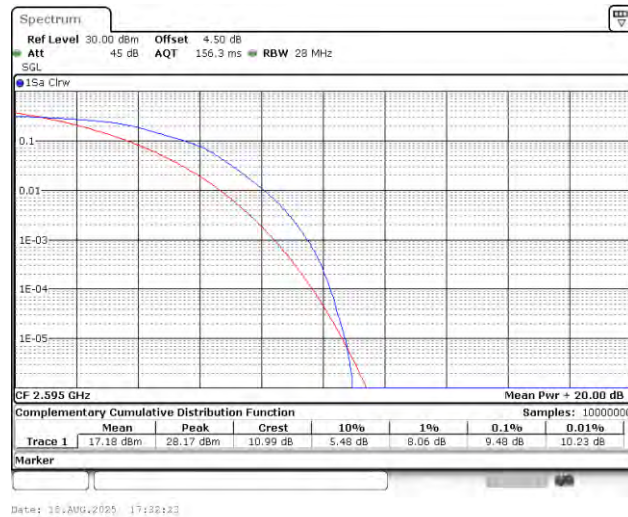
Band38-20MHz-QPSK-38000-1RB#0-PASS



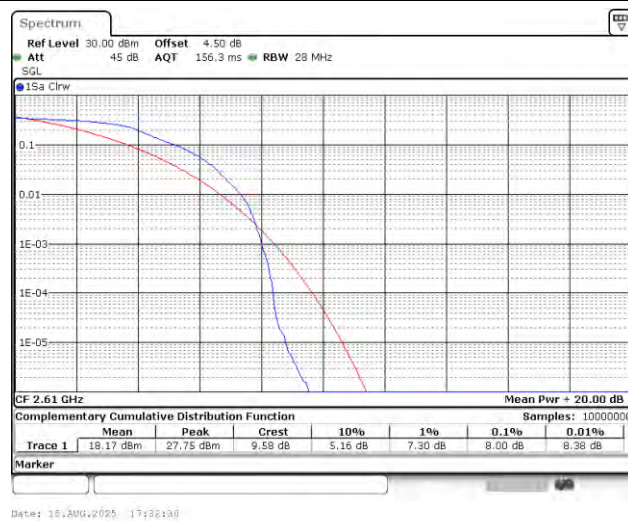
Band38-20MHz-16QAM-38000-1RB#0-PASS



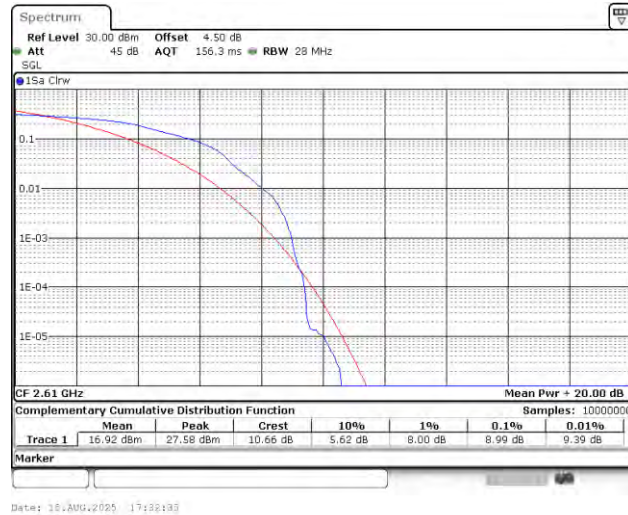
Band38-20MHz-QPSK-38000-100RB#0-PASS



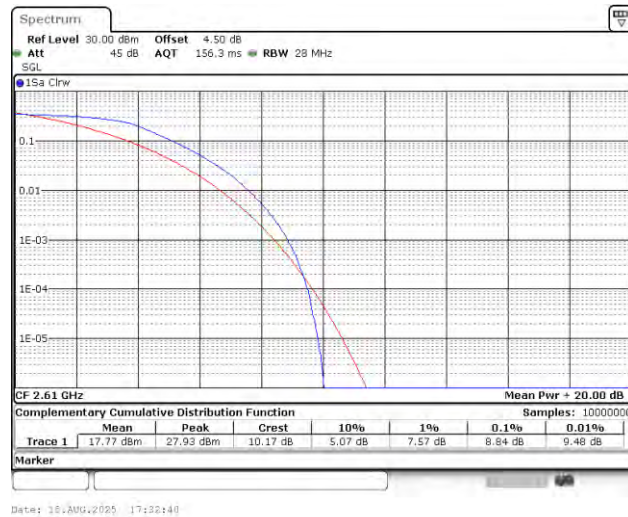
Band38-20MHz-16QAM-38000-100RB#0-PASS



Band38-20MHz-QPSK-38150-1RB#0-PASS



Band38-20MHz-16QAM-38150-1RB#0-PASS



Band38-20MHz-QPSK-38150-100RB#0-PASS



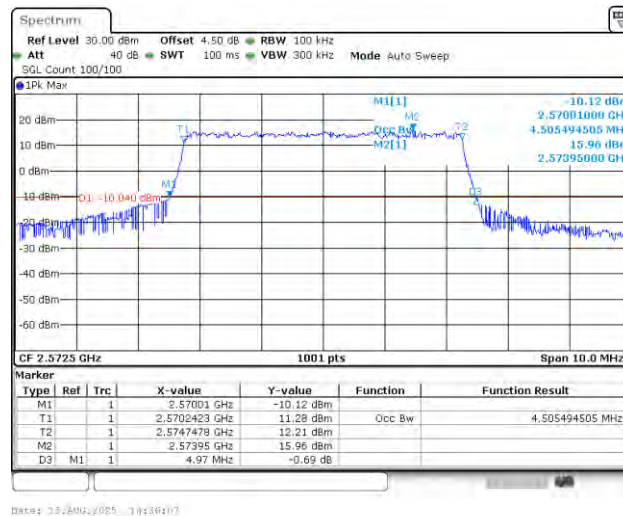
Band38-20MHz-16QAM-38150-100RB#0-PASS

Appendix C: 26dB Bandwidth and Occupied Bandwidth

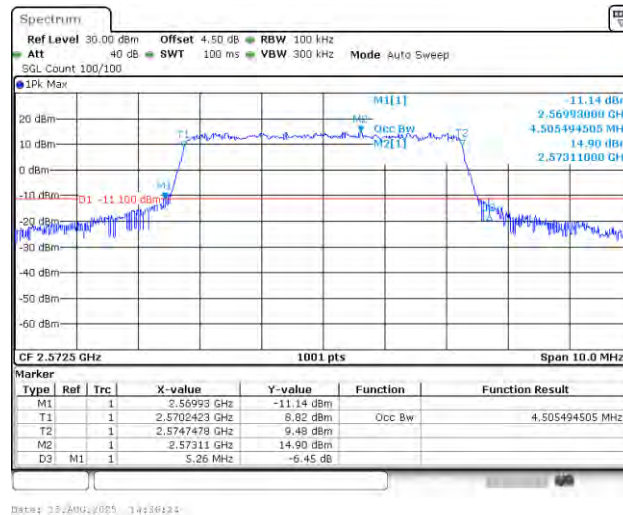
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band38	5MHz	QPSK	37775	25RB#0	4.505	4.97	PASS
Band38	5MHz	16QAM	37775	25RB#0	4.505	5.26	PASS
Band38	5MHz	QPSK	38000	25RB#0	4.515	5.29	PASS
Band38	5MHz	16QAM	38000	25RB#0	4.515	5.21	PASS
Band38	5MHz	QPSK	38225	25RB#0	4.496	5.09	PASS
Band38	5MHz	16QAM	38225	25RB#0	4.486	4.95	PASS
Band38	10MHz	QPSK	37800	50RB#0	8.985	9.93	PASS
Band38	10MHz	16QAM	37800	50RB#0	9.018	10.03	PASS
Band38	10MHz	QPSK	38000	50RB#0	9.018	10.93	PASS
Band38	10MHz	16QAM	38000	50RB#0	8.985	9.97	PASS
Band38	10MHz	QPSK	38200	50RB#0	8.985	10.20	PASS
Band38	10MHz	16QAM	38200	50RB#0	8.985	10.07	PASS
Band38	15MHz	QPSK	37825	75RB#0	13.478	15.45	PASS
Band38	15MHz	16QAM	37825	75RB#0	13.478	15.35	PASS
Band38	15MHz	QPSK	38000	75RB#0	13.478	15.40	PASS
Band38	15MHz	16QAM	38000	75RB#0	13.478	15.05	PASS
Band38	15MHz	QPSK	38175	75RB#0	13.478	15.25	PASS
Band38	15MHz	16QAM	38175	75RB#0	13.527	16.05	PASS
Band38	20MHz	QPSK	37850	100RB#0	18.103	19.87	PASS
Band38	20MHz	16QAM	37850	100RB#0	18.037	20.47	PASS
Band38	20MHz	QPSK	38000	100RB#0	18.103	20.40	PASS
Band38	20MHz	16QAM	38000	100RB#0	18.037	20.07	PASS
Band38	20MHz	QPSK	38150	100RB#0	18.037	20.93	PASS
Band38	20MHz	16QAM	38150	100RB#0	18.037	21.47	PASS

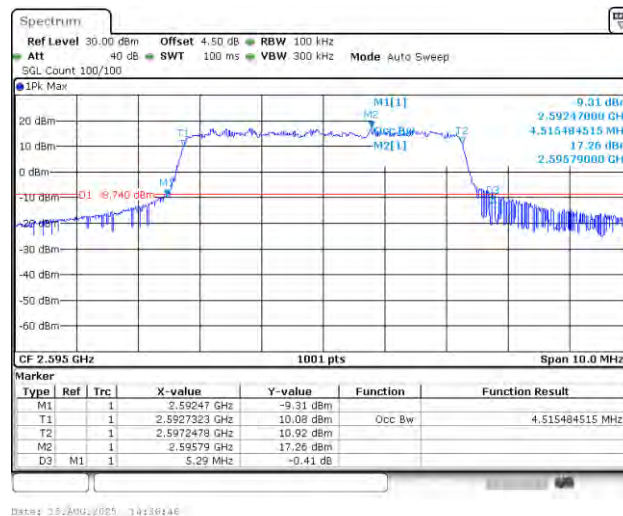
Test Graphs



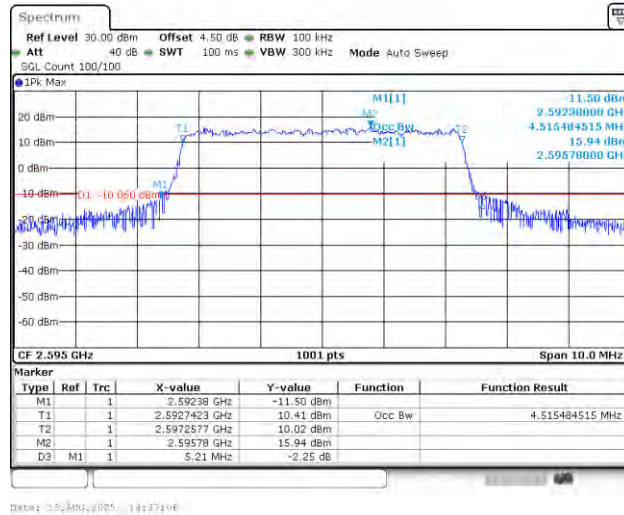
Band38-5MHz-QPSK-37775-25RB#0-PASS



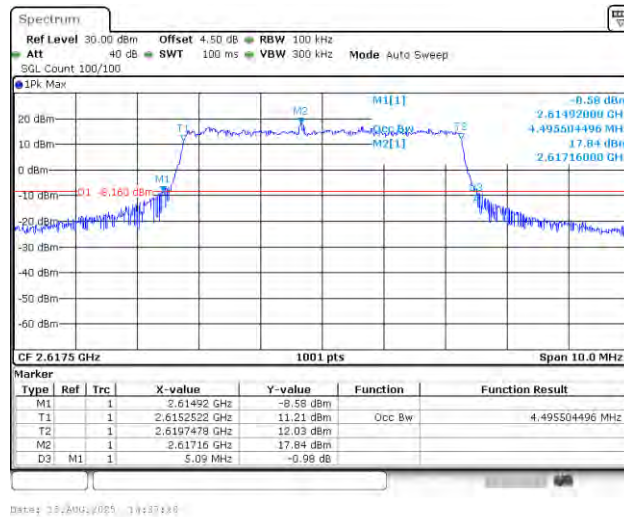
Band38-5MHz-16QAM-37775-25RB#0-PASS



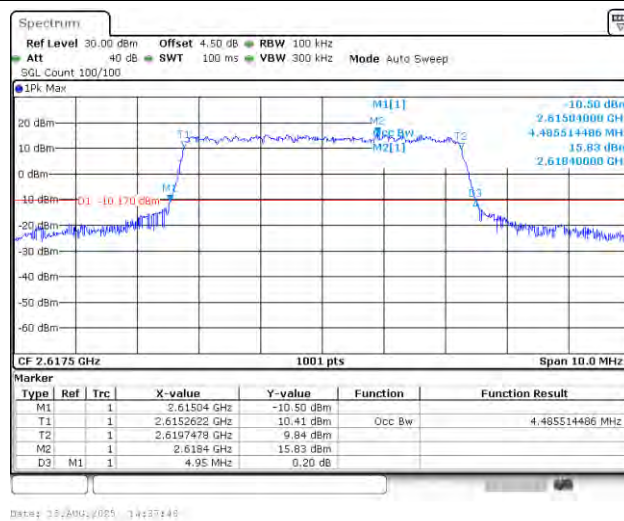
Band38-5MHz-QPSK-38000-25RB#0-PASS



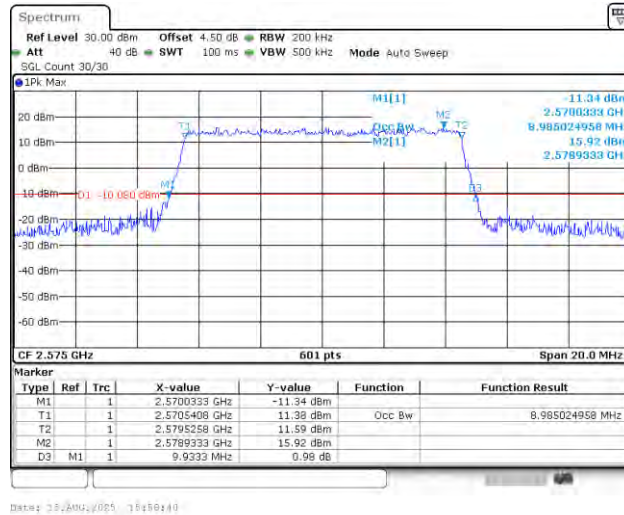
Band38-5MHz-16QAM-38000-25RB#0-PASS



Band38-5MHz-QPSK-38225-25RB#0-PASS



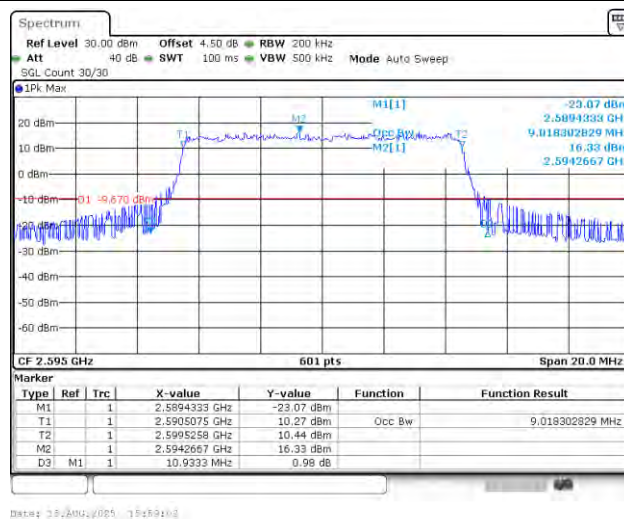
Band38-5MHz-16QAM-38225-25RB#0-PASS



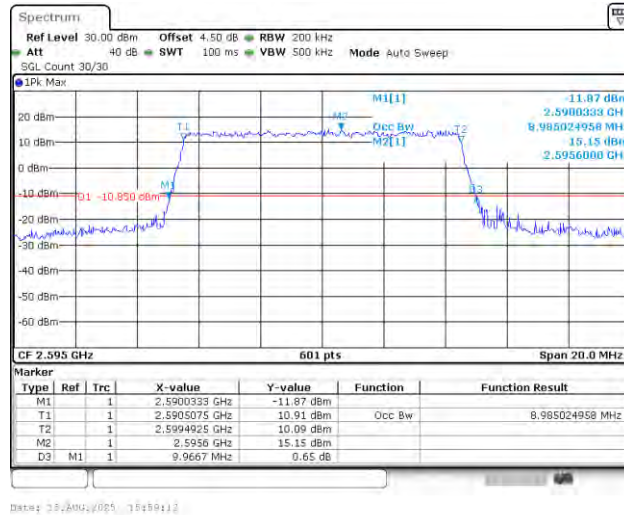
Band38-10MHz-QPSK-37800-50RB#0-PASS



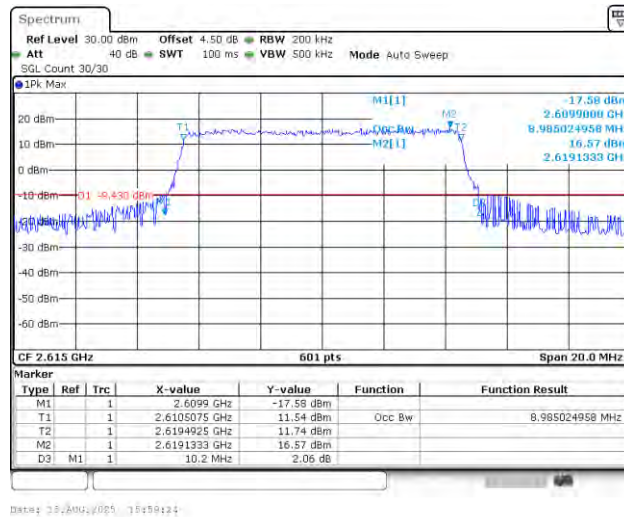
Band38-10MHz-16QAM-37800-50RB#0-PASS



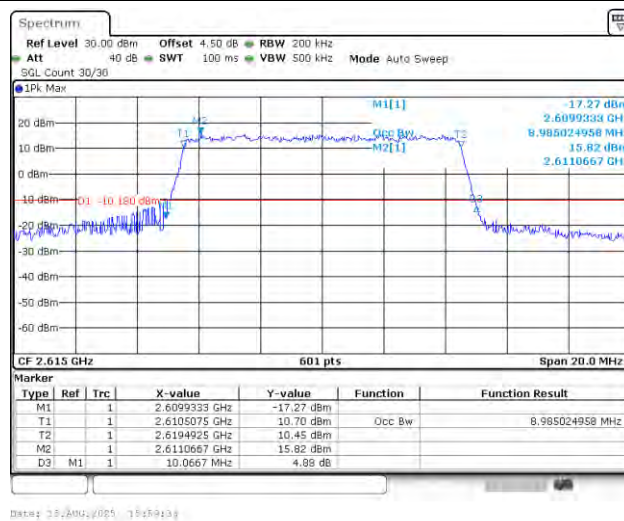
Band38-10MHz-QPSK-38000-50RB#0-PASS



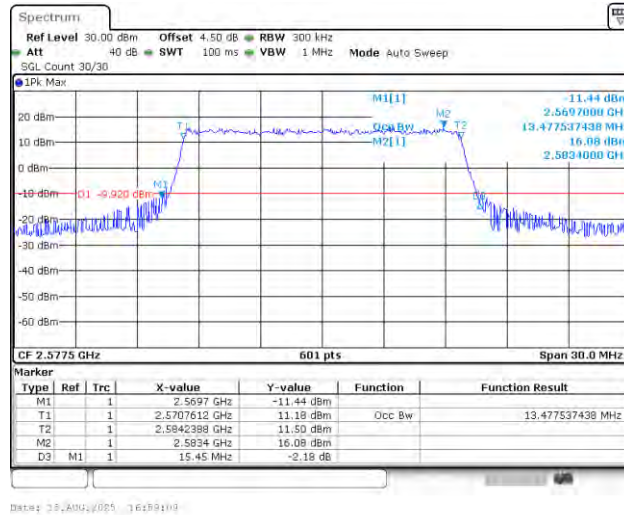
Band38-10MHz-16QAM-38000-50RB#0-PASS



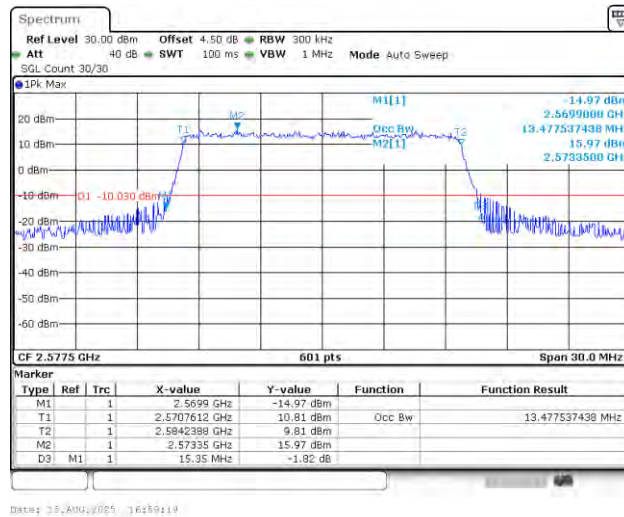
Band38-10MHz-QPSK-38200-50RB#0-PASS



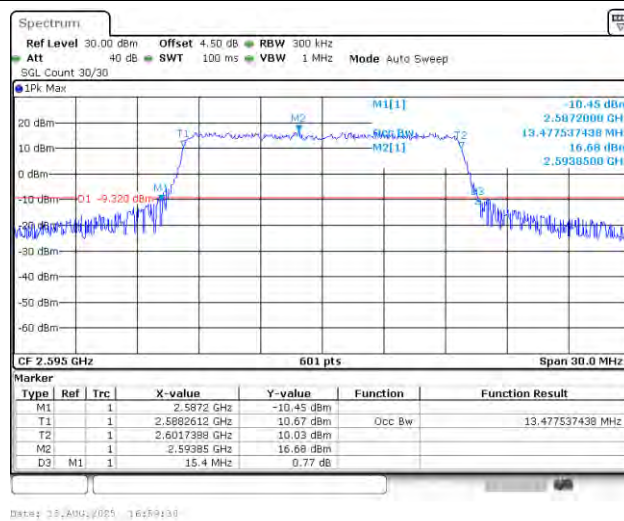
Band38-10MHz-16QAM-38200-50RB#0-PASS



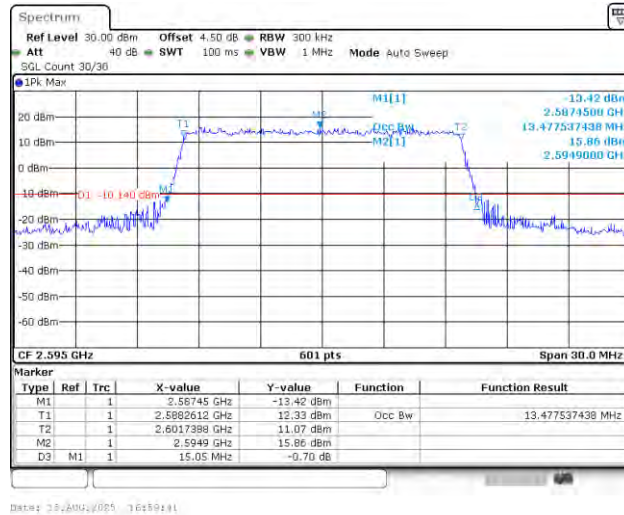
Band38-15MHz-QPSK-37825-75RB#0-PASS



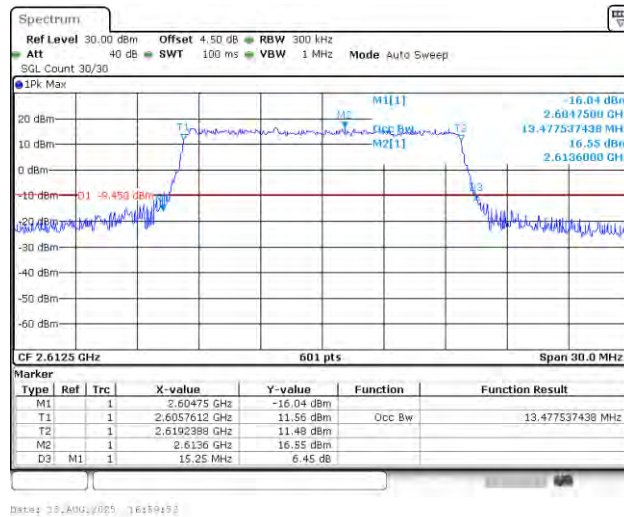
Band38-15MHz-16QAM-37825-75RB#0-PASS



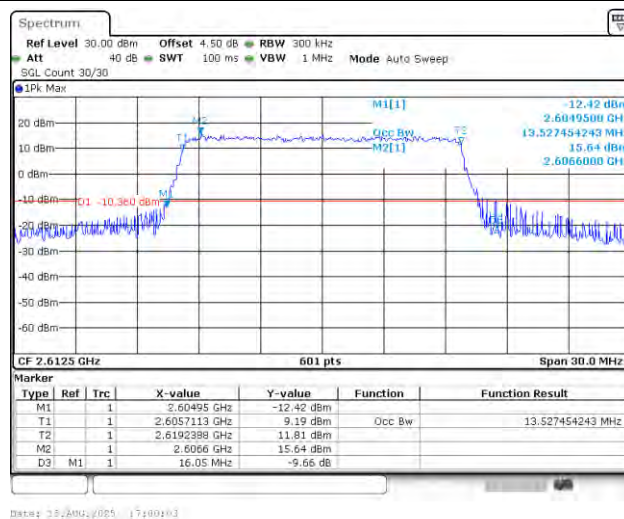
Band38-15MHz-QPSK-38000-75RB#0-PASS



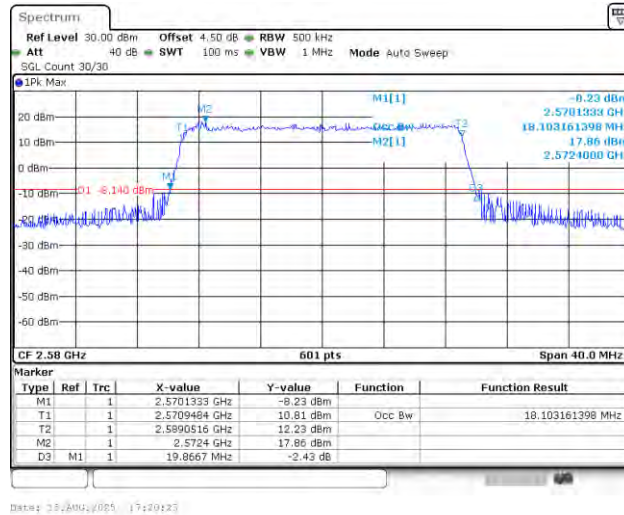
Band38-15MHz-16QAM-38000-75RB#0-PASS



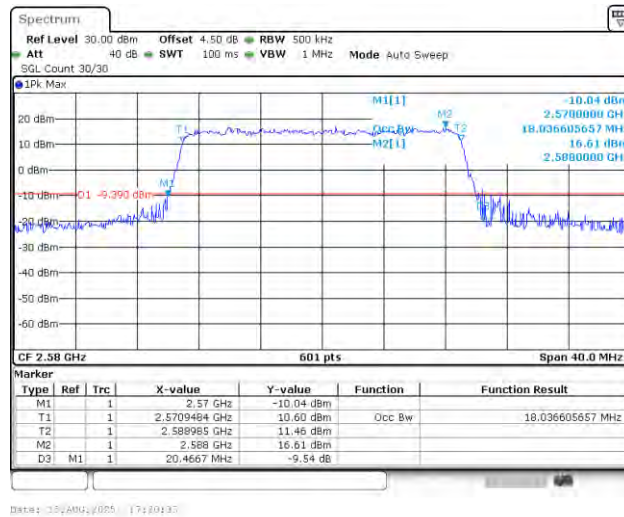
Band38-15MHz-QPSK-38175-75RB#0-PASS



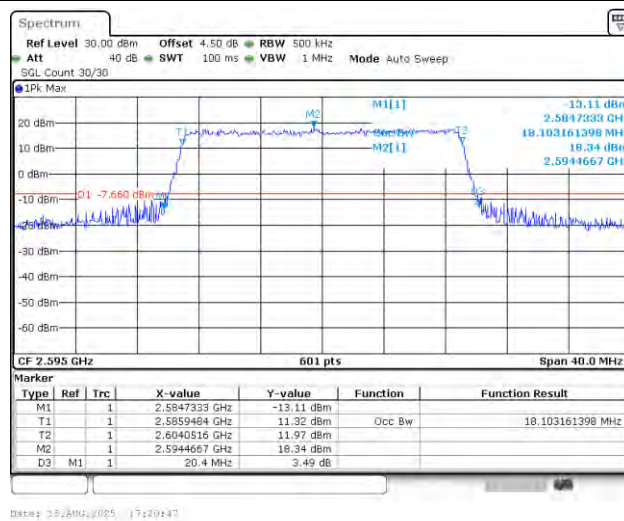
Band38-15MHz-16QAM-38175-75RB#0-PASS



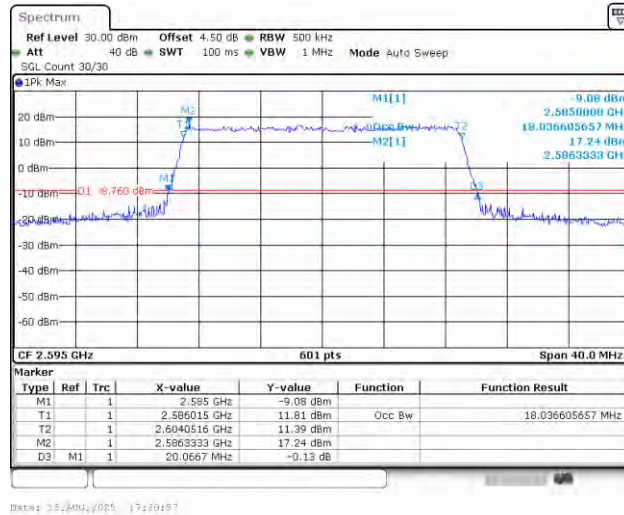
Band38-20MHz-QPSK-37850-100RB#0-PASS



Band38-20MHz-16QAM-37850-100RB#0-PASS



Band38-20MHz-QPSK-38000-100RB#0-PASS



Band38-20MHz-16QAM-38000-100RB#0-PASS



Band38-20MHz-QPSK-38150-100RB#0-PASS



Band38-20MHz-16QAM-38150-100RB#0-PASS

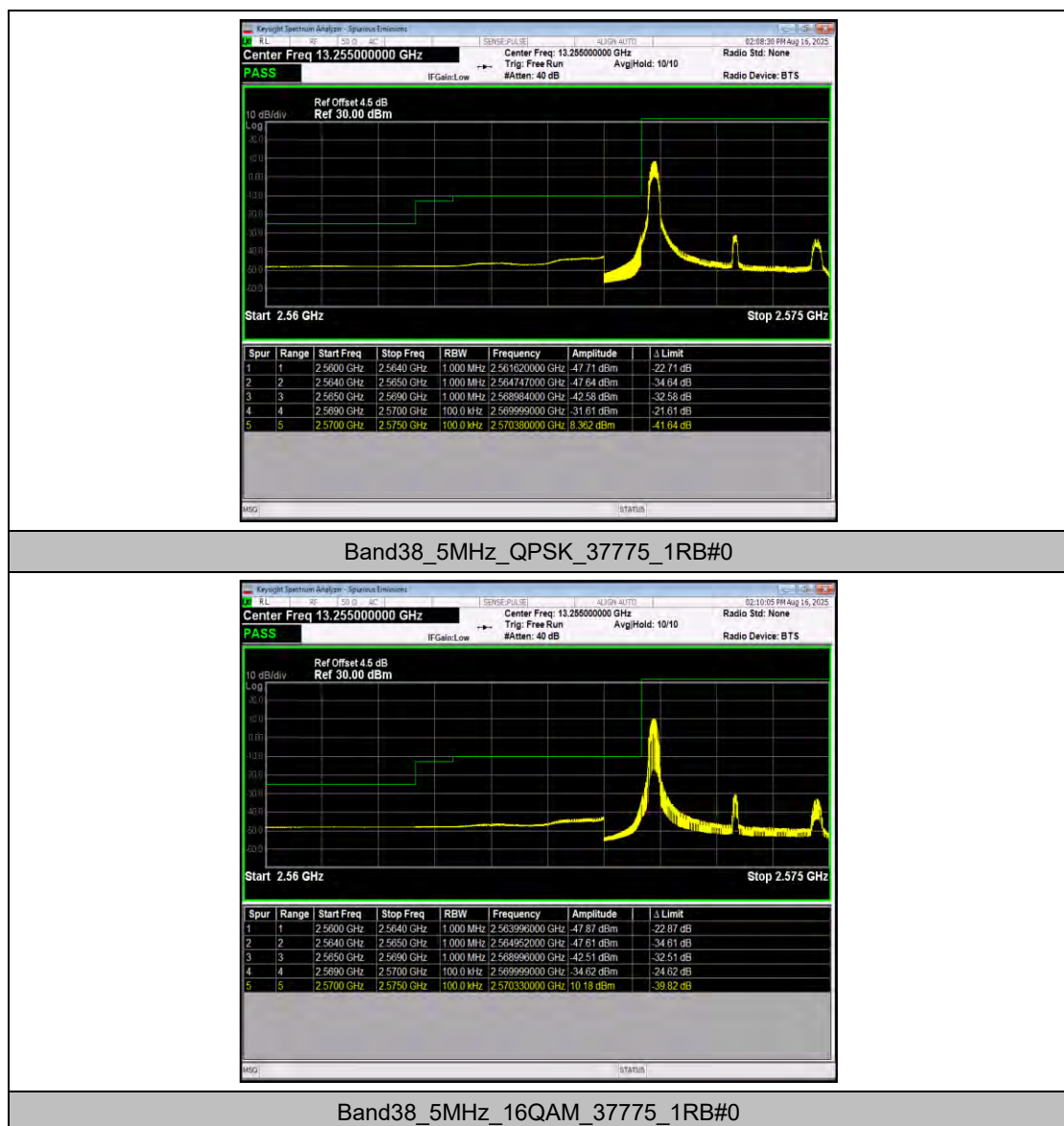
Appendix D: Band Edge

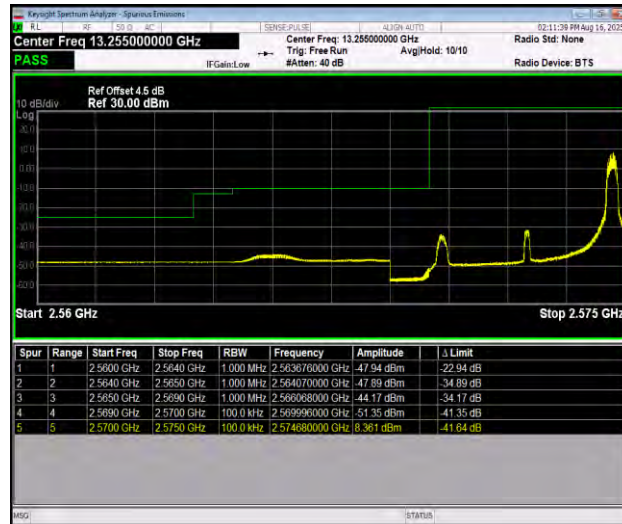
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band38	5MHz	QPSK	37775	1RB#0	-31.61	PASS
Band38	5MHz	16QAM	37775	1RB#0	-47.87	PASS
Band38	5MHz	QPSK	37775	1RB#24	-47.94	PASS
Band38	5MHz	16QAM	37775	1RB#24	-47.97	PASS
Band38	5MHz	QPSK	37775	25RB#0	-44.15	PASS
Band38	5MHz	16QAM	37775	25RB#0	-45.54	PASS
Band38	5MHz	QPSK	38225	1RB#0	-47.32	PASS
Band38	5MHz	16QAM	38225	1RB#0	-47.33	PASS
Band38	5MHz	QPSK	38225	1RB#24	-46.52	PASS
Band38	5MHz	16QAM	38225	1RB#24	-46.79	PASS
Band38	5MHz	QPSK	38225	25RB#0	-41.54	PASS
Band38	5MHz	16QAM	38225	25RB#0	-42.67	PASS
Band38	10MHz	QPSK	37800	1RB#0	-47.65	PASS
Band38	10MHz	16QAM	37800	1RB#0	-47.69	PASS
Band38	10MHz	QPSK	37800	1RB#49	-47.71	PASS
Band38	10MHz	16QAM	37800	1RB#49	-47.76	PASS
Band38	10MHz	QPSK	37800	50RB#0	-44.85	PASS
Band38	10MHz	16QAM	37800	50RB#0	-45.40	PASS
Band38	10MHz	QPSK	38200	1RB#0	-47.48	PASS
Band38	10MHz	16QAM	38200	1RB#0	-47.50	PASS
Band38	10MHz	QPSK	38200	1RB#49	-47.33	PASS
Band38	10MHz	16QAM	38200	1RB#49	-47.42	PASS
Band38	10MHz	QPSK	38200	50RB#0	-43.37	PASS
Band38	10MHz	16QAM	38200	50RB#0	-44.10	PASS
Band38	15MHz	QPSK	37825	1RB#0	-47.60	PASS
Band38	15MHz	16QAM	37825	1RB#0	-47.66	PASS
Band38	15MHz	QPSK	37825	1RB#74	-47.48	PASS
Band38	15MHz	16QAM	37825	1RB#74	-47.55	PASS
Band38	15MHz	QPSK	37825	75RB#0	-44.72	PASS
Band38	15MHz	16QAM	37825	75RB#0	-45.43	PASS
Band38	15MHz	QPSK	38175	1RB#0	-47.45	PASS
Band38	15MHz	16QAM	38175	1RB#0	-47.43	PASS
Band38	15MHz	QPSK	38175	1RB#74	-47.41	PASS
Band38	15MHz	16QAM	38175	1RB#74	-47.44	PASS
Band38	15MHz	QPSK	38175	75RB#0	-43.60	PASS
Band38	15MHz	16QAM	38175	75RB#0	-44.47	PASS
Band38	20MHz	QPSK	37850	1RB#0	-47.22	PASS
Band38	20MHz	16QAM	37850	1RB#0	-47.25	PASS

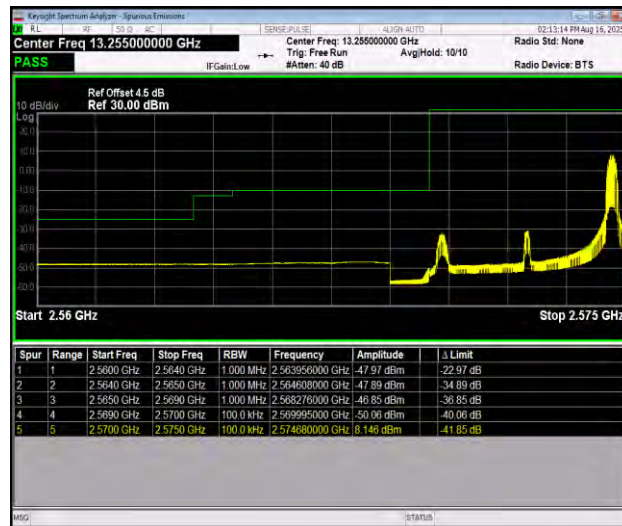
Band38	20MHz	QPSK	37850	1RB#99	-47.70	PASS
Band38	20MHz	16QAM	37850	1RB#99	-47.70	PASS
Band38	20MHz	QPSK	37850	100RB#0	-45.79	PASS
Band38	20MHz	16QAM	37850	100RB#0	-45.98	PASS
Band38	20MHz	QPSK	38150	1RB#0	-47.47	PASS
Band38	20MHz	16QAM	38150	1RB#0	-47.50	PASS
Band38	20MHz	QPSK	38150	1RB#99	-47.08	PASS
Band38	20MHz	16QAM	38150	1RB#99	-47.10	PASS
Band38	20MHz	QPSK	38150	100RB#0	-45.27	PASS
Band38	20MHz	16QAM	38150	100RB#0	-45.28	PASS

Test Graphs

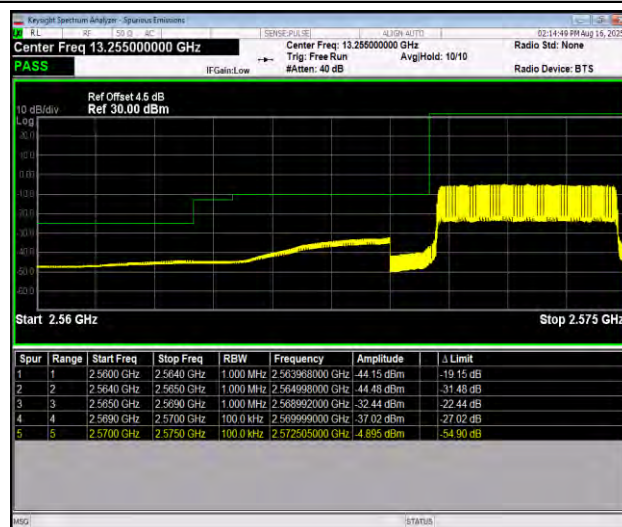




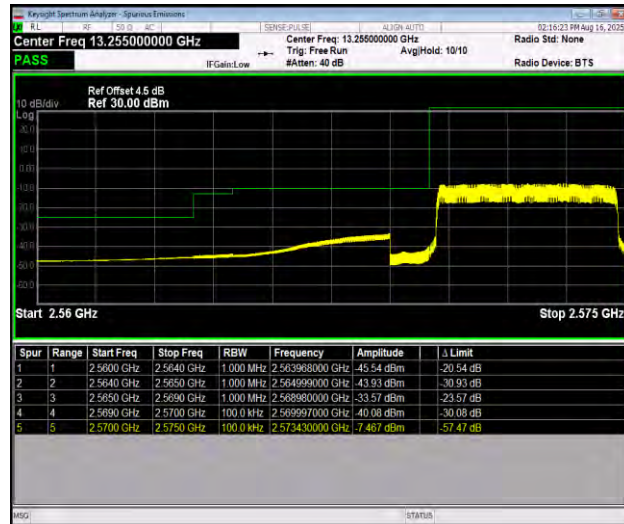
Band38_5MHz_QPSK_37775_1RB#24



Band38_5MHz_16QAM_37775_1RB#24



Band38_5MHz_QPSK_37775_25RB#0



Band38_5MHz_16QAM_37775_25RB#0



Band38_5MHz_QPSK_38225_1RB#0



Band38_5MHz_16QAM_38225_1RB#0



Band38_5MHz_QPSK_38225_1RB#24



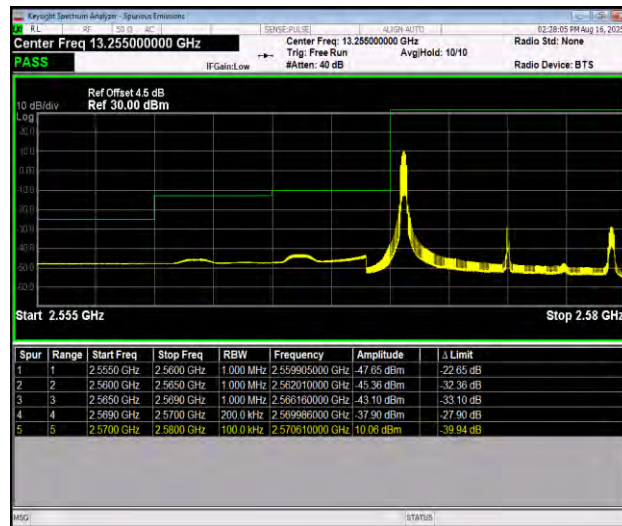
Band38_5MHz_16QAM_38225_1RB#24



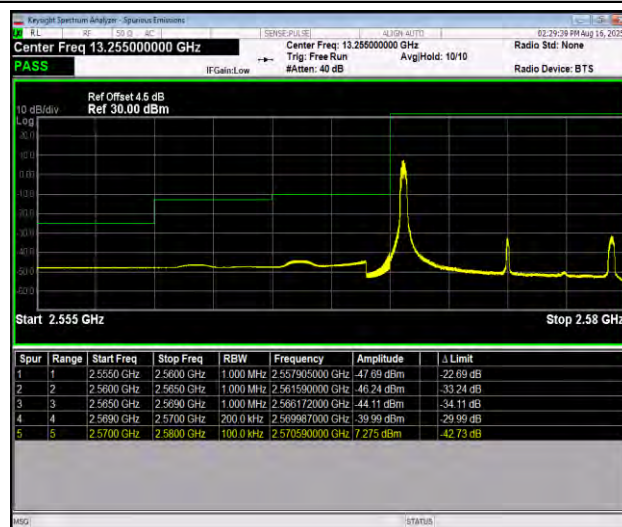
Band38_5MHz_QPSK_38225_25RB#0



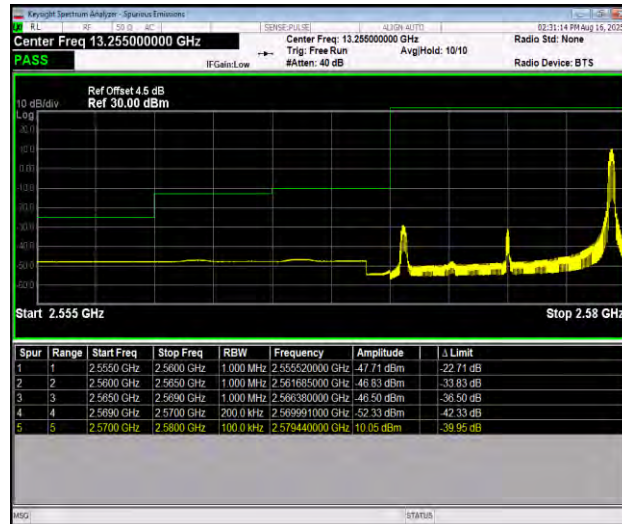
Band38_5MHz_16QAM_38225_25RB#0



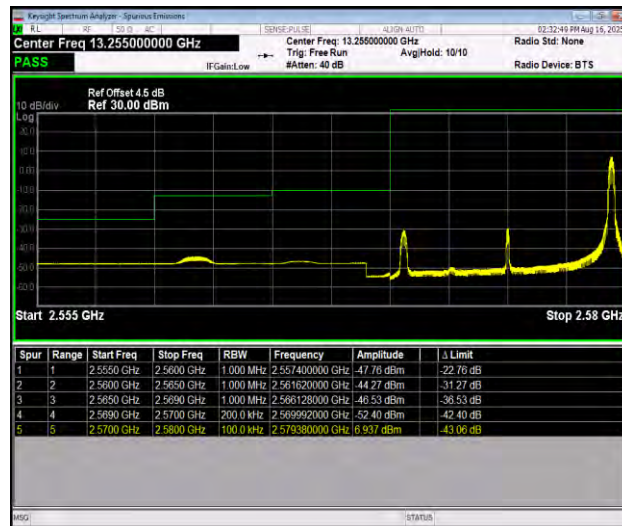
Band38_10MHz_QPSK_37800_1RB#0



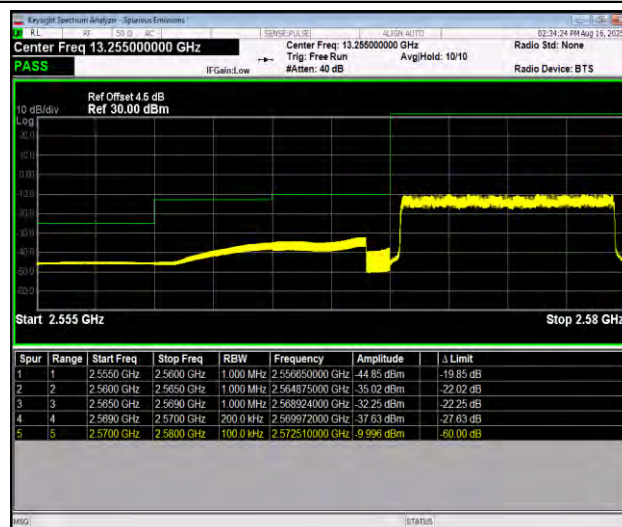
Band38_10MHz_16QAM_37800_1RB#0



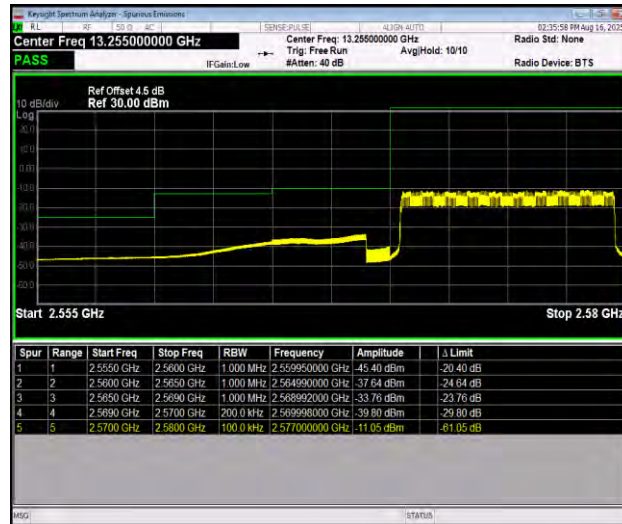
Band38_10MHz_QPSK_37800_1RB#49



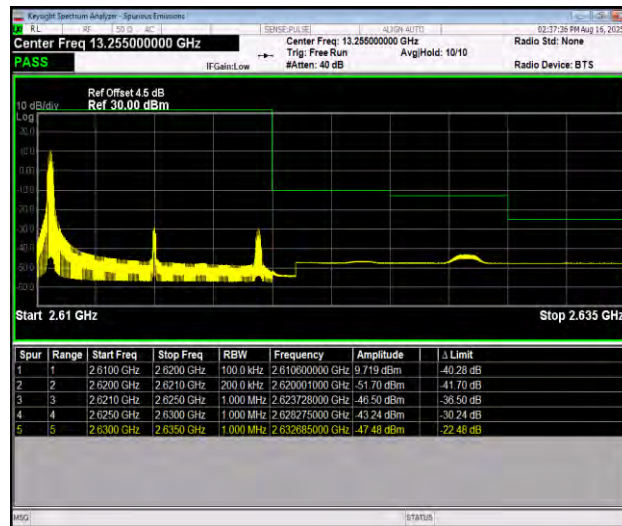
Band38_10MHz_16QAM_37800_1RB#49



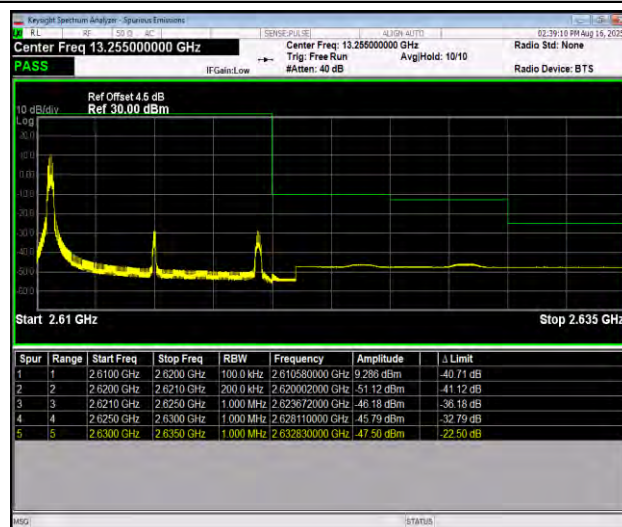
Band38_10MHz_QPSK_37800_50RB#0



Band38_10MHz_16QAM_37800_50RB#0



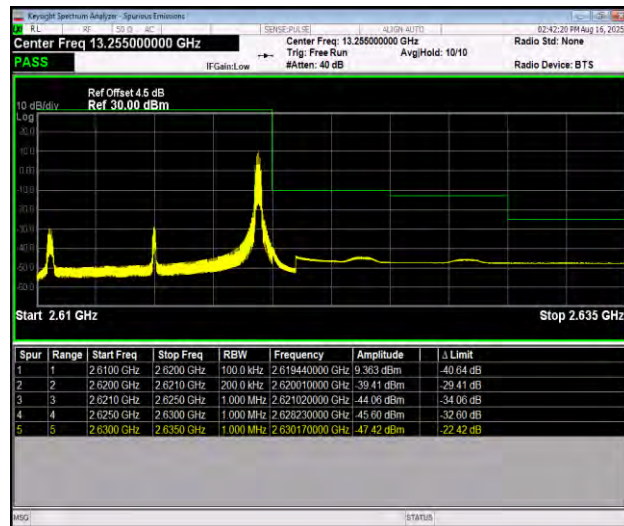
Band38_10MHz_QPSK_38200_1RB#0



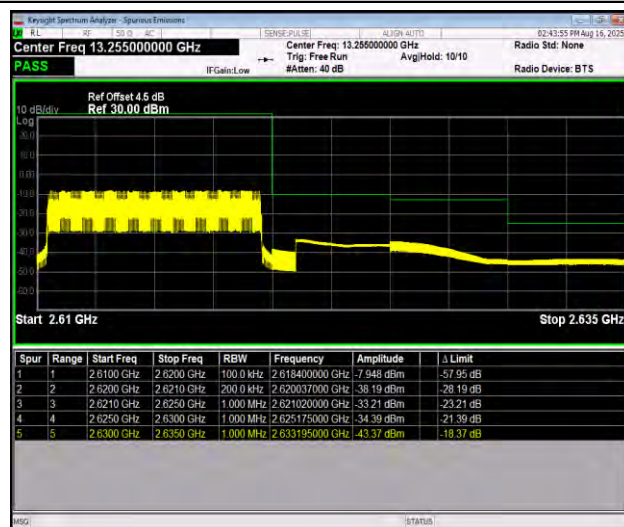
Band38_10MHz_16QAM_38200_1RB#0



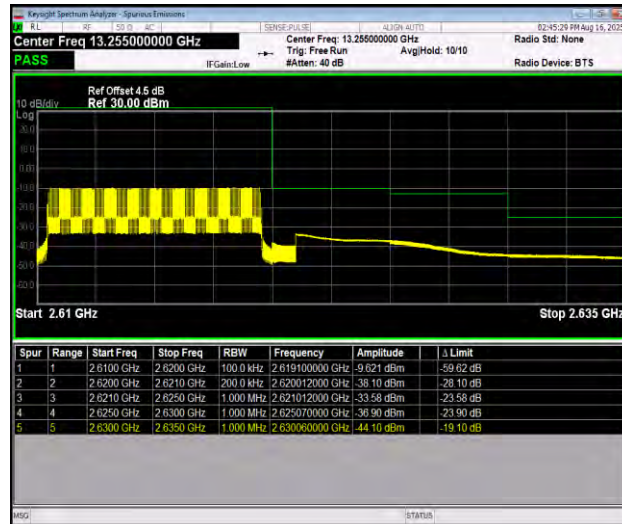
Band38_10MHz_QPSK_38200_1RB#49



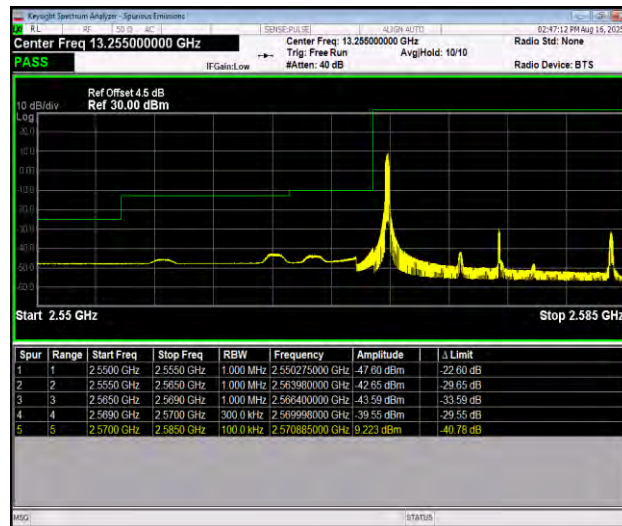
Band38_10MHz_16QAM_38200_1RB#49



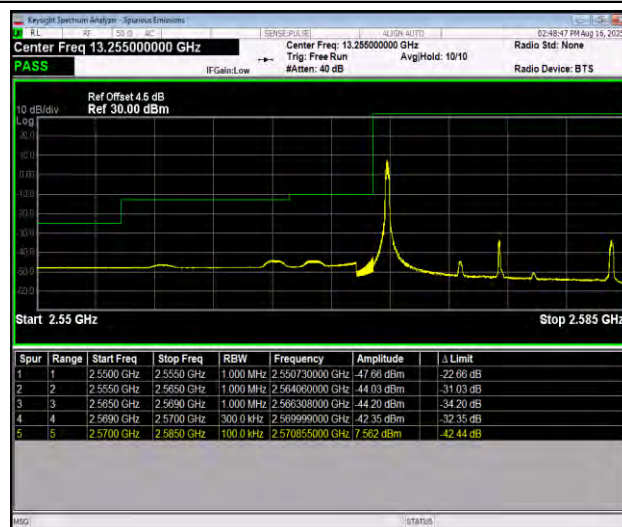
Band38_10MHz_QPSK_38200_50RB#0



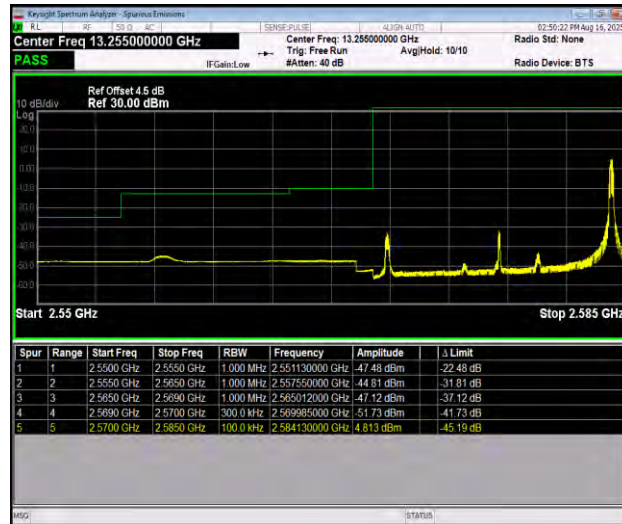
Band38_10MHz_16QAM_38200_50RB#0



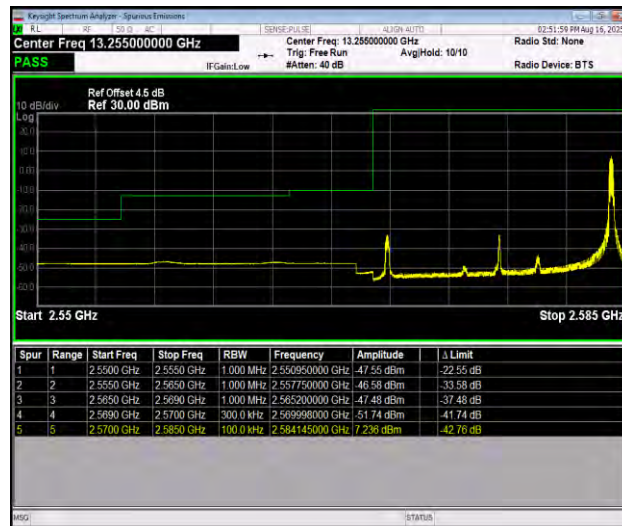
Band38_15MHz_QPSK_37825_1RB#0



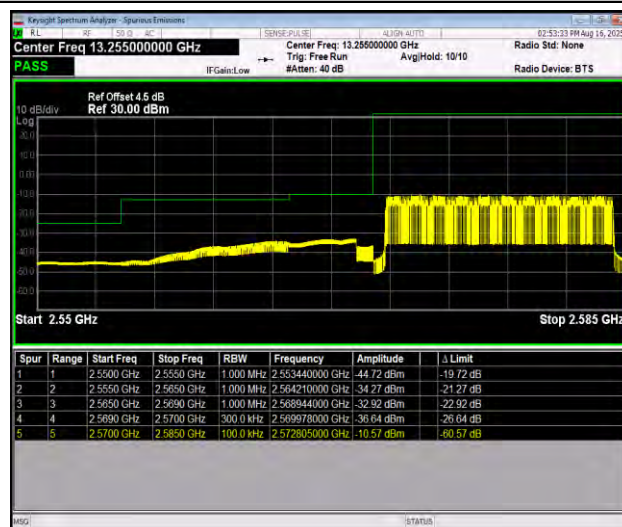
Band38_15MHz_16QAM_37825_1RB#0



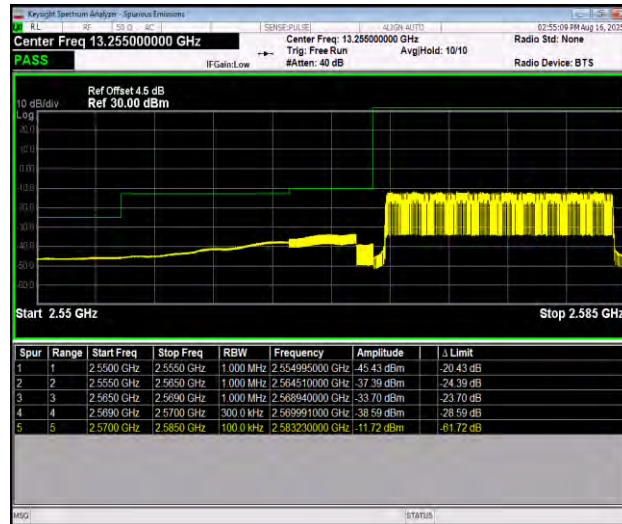
Band38_15MHz_QPSK_37825_1RB#74



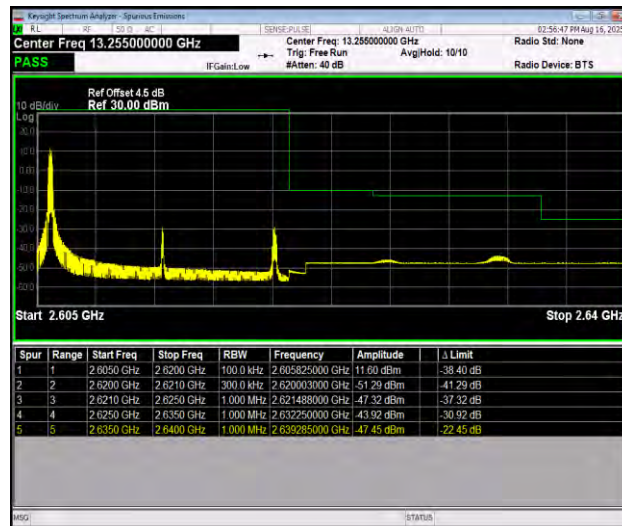
Band38_15MHz_16QAM_37825_1RB#74



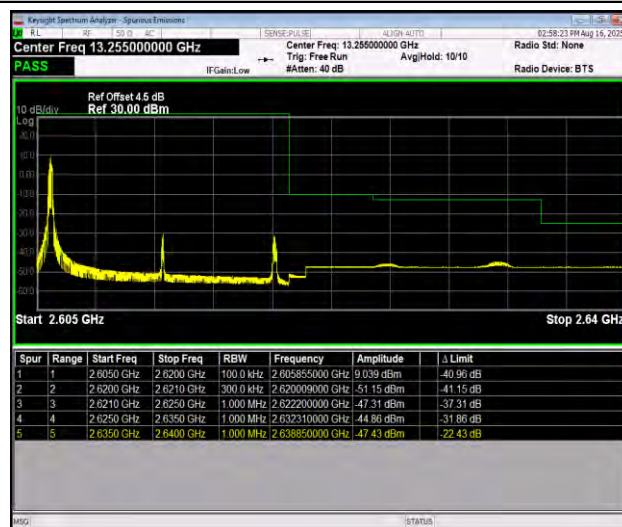
Band38_15MHz_QPSK_37825_75RB#0



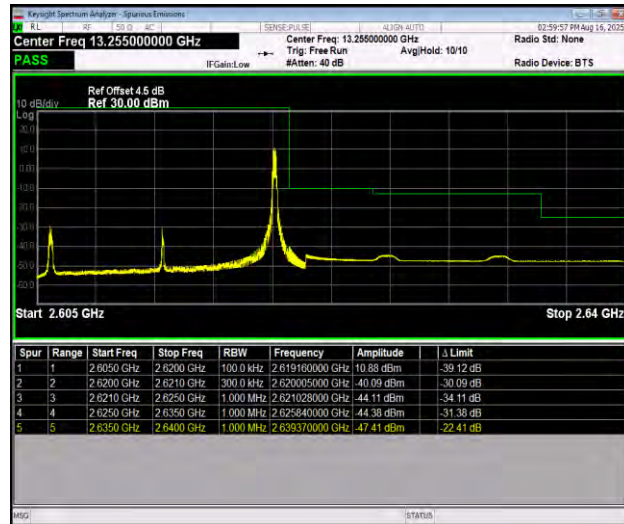
Band38_15MHz_16QAM_37825_75RB#0



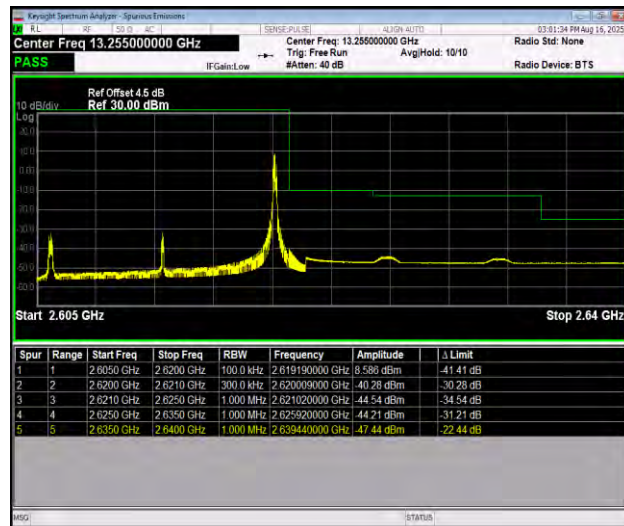
Band38_15MHz_QPSK_38175_1RB#0



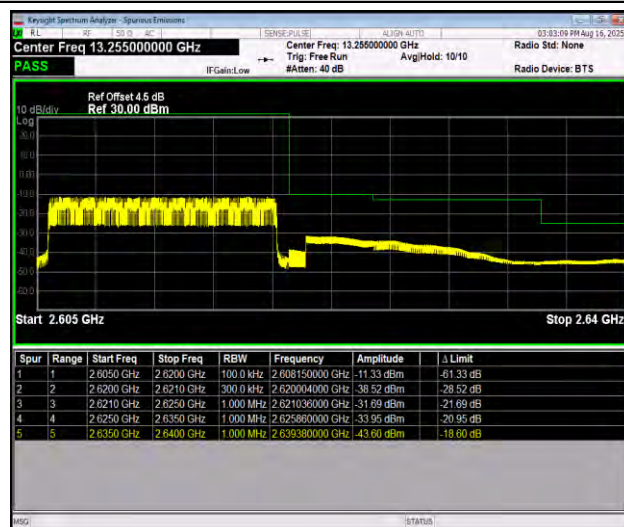
Band38_15MHz_16QAM_38175_1RB#0



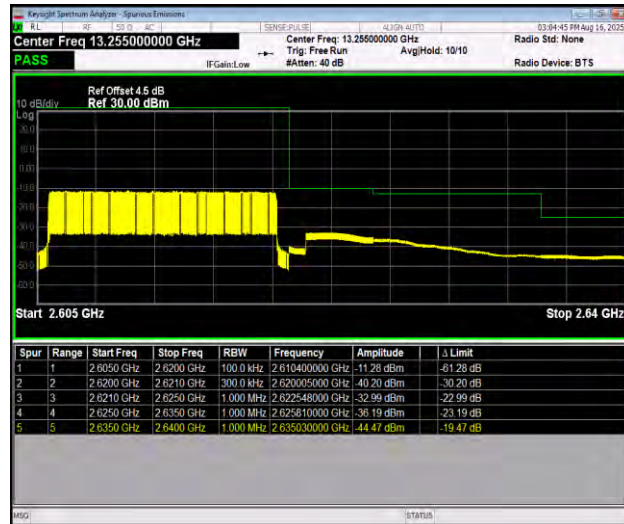
Band38_15MHz_QPSK_38175_1RB#74



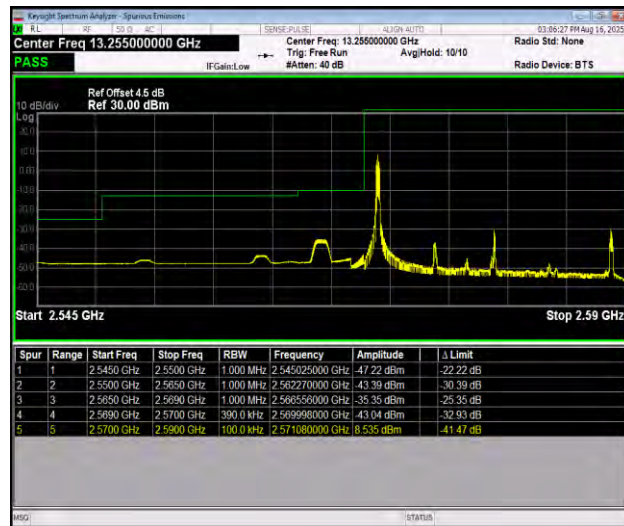
Band38_15MHz_16QAM_38175_1RB#74



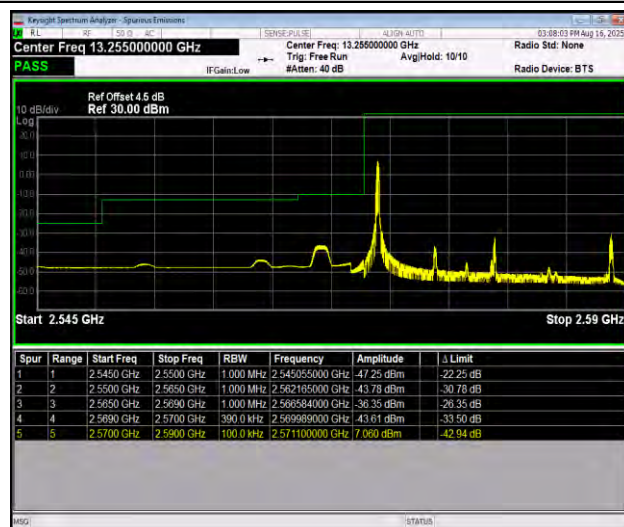
Band38_15MHz_QPSK_38175_75RB#0



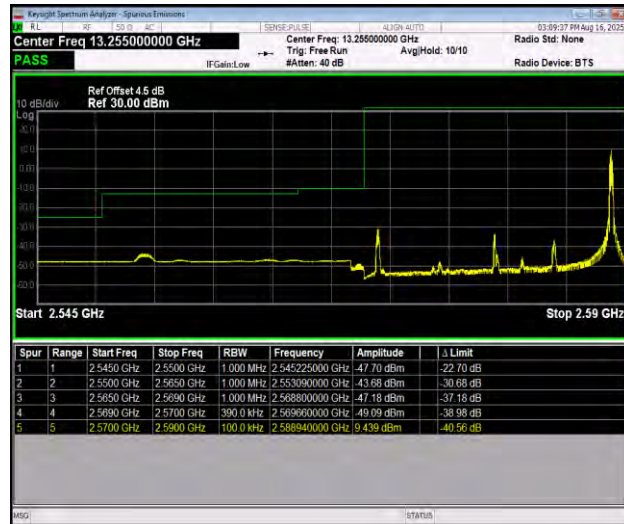
Band38_15MHz_16QAM_38175_75RB#0



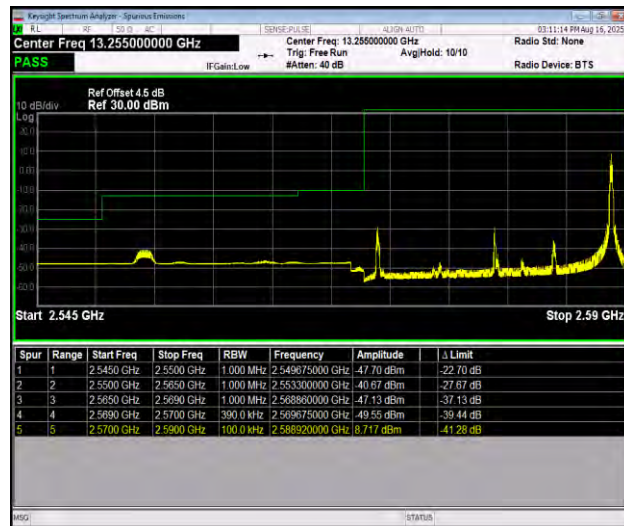
Band38_20MHz_QPSK_37850_1RB#0



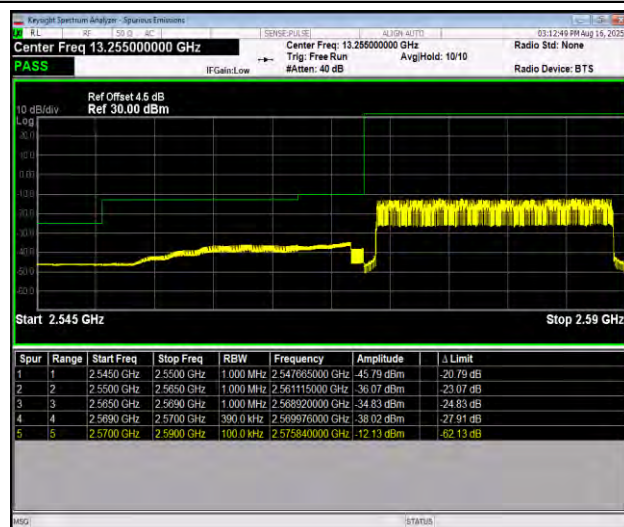
Band38_20MHz_16QAM_37850_1RB#0



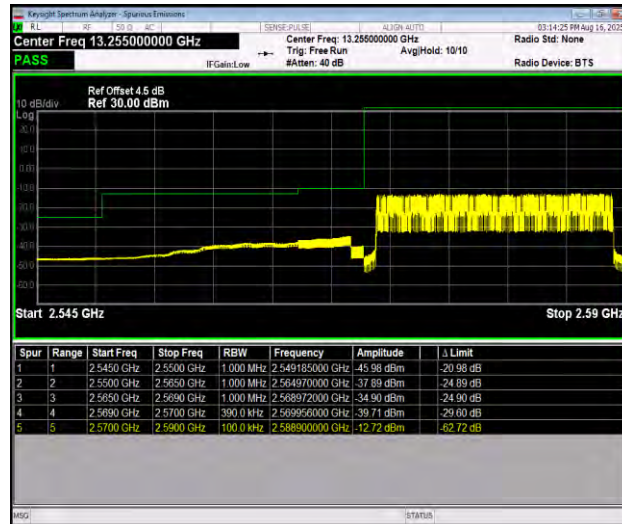
Band38_20MHz_QPSK_37850_1RB#99



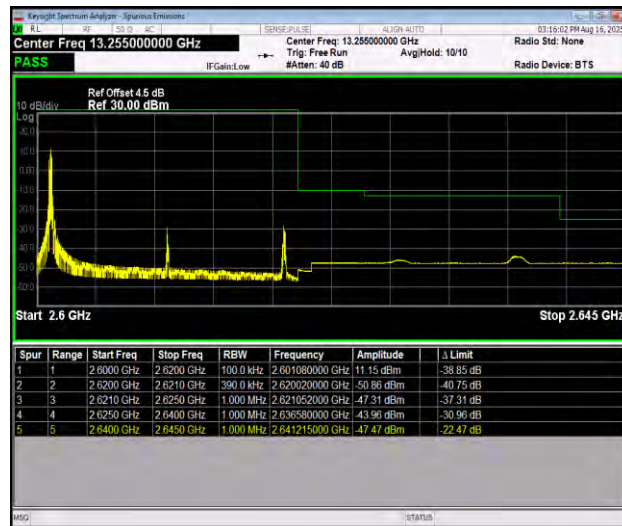
Band38_20MHz_16QAM_37850_1RB#99



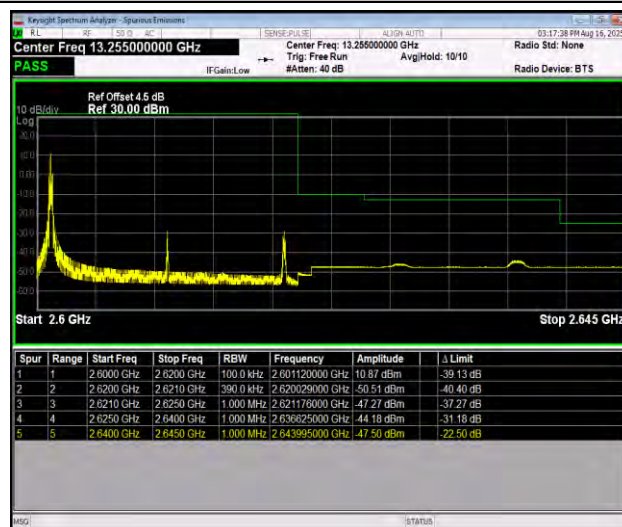
Band38_20MHz_QPSK_37850_100RB#0



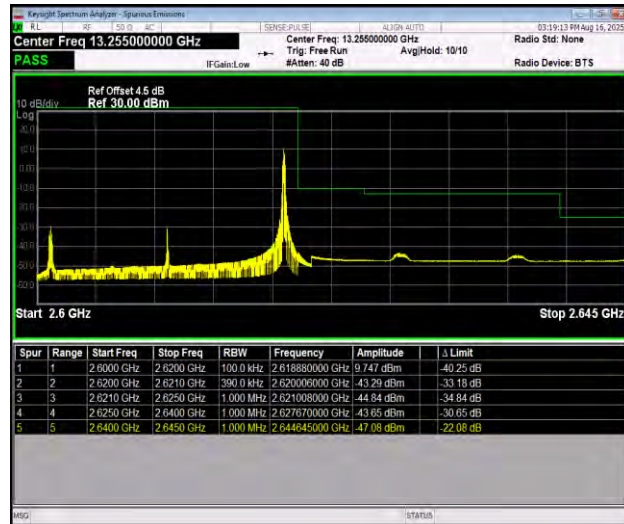
Band38_20MHz_16QAM_37850_100RB#0



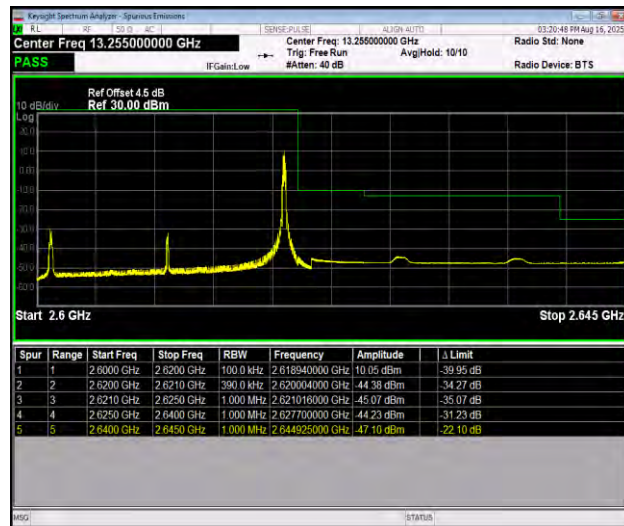
Band38_20MHz_QPSK_38150_1RB#0



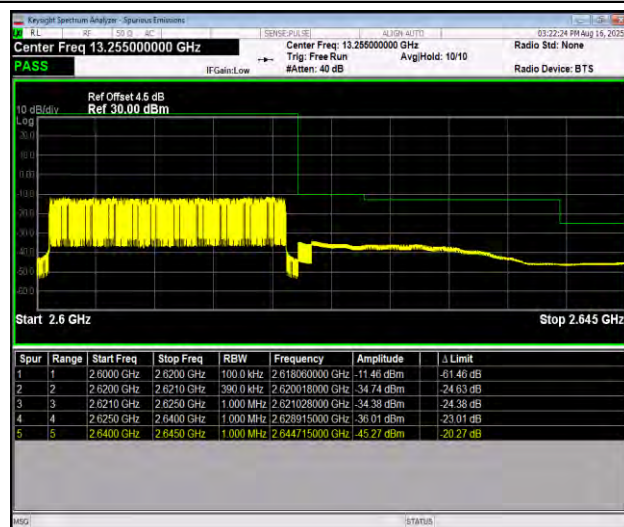
Band38_20MHz_16QAM_38150_1RB#0



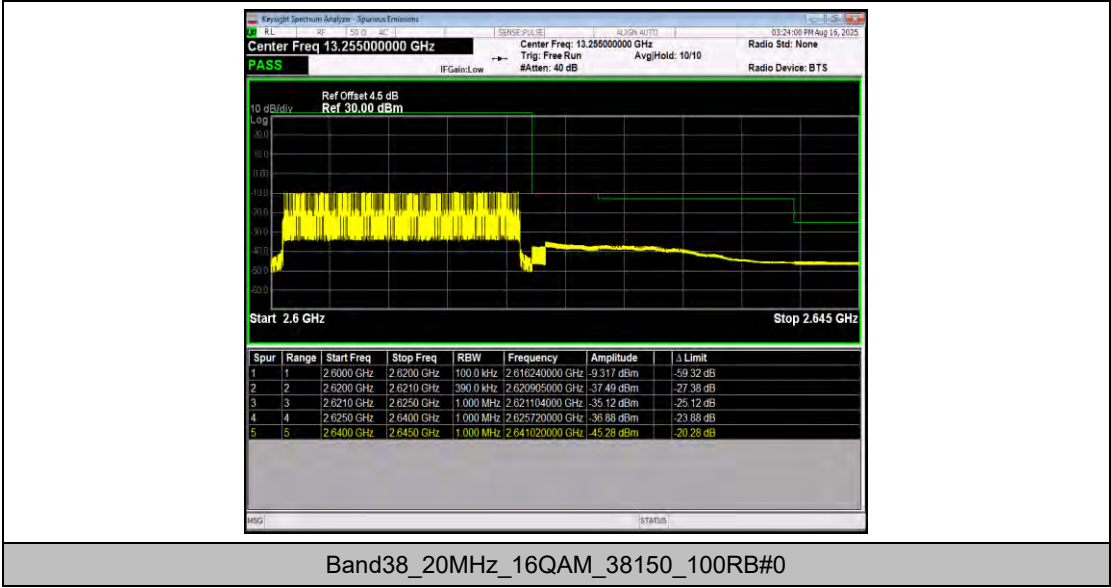
Band38_20MHz_QPSK_38150_1RB#99



Band38_20MHz_16QAM_38150_1RB#99



Band38_20MHz_QPSK_38150_100RB#0



Appendix E: Conducted Spurious Emission

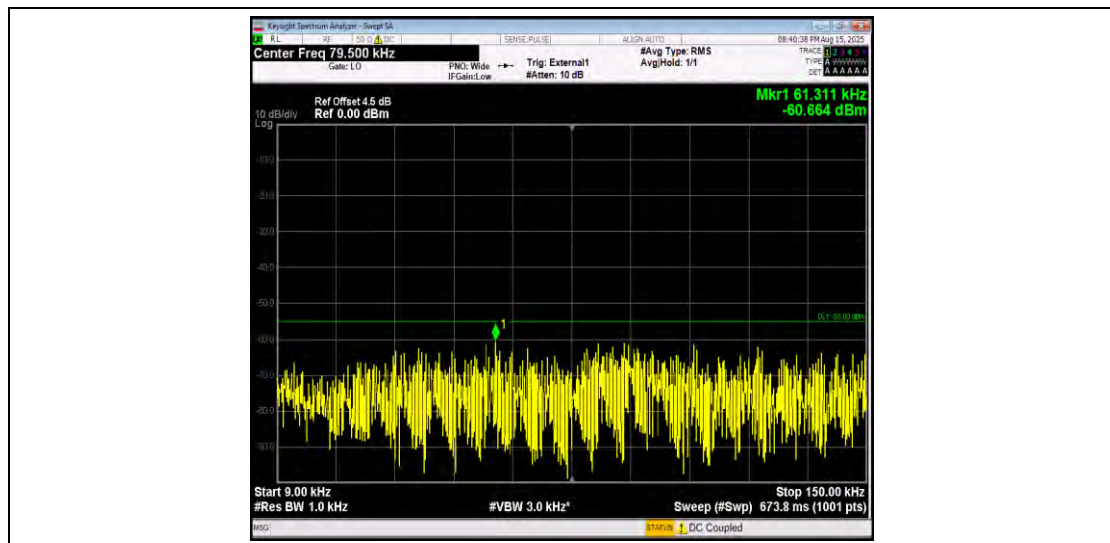
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band38	5MHz	QPSK	37775	1RB#0	0.009~0.15	-60.66	PASS
Band38	5MHz	QPSK	37775	1RB#0	0.15~30	-59.19	PASS
Band38	5MHz	QPSK	37775	1RB#0	30~1000	-64.81	PASS
Band38	5MHz	QPSK	37775	1RB#0	1000~20000	-38.21	PASS
Band38	5MHz	QPSK	37775	1RB#0	20000~27000	-41.23	PASS
Band38	5MHz	16QAM	37775	1RB#0	0.009~0.15	-60.93	PASS
Band38	5MHz	16QAM	37775	1RB#0	0.15~30	-59.14	PASS
Band38	5MHz	16QAM	37775	1RB#0	30~1000	-65.01	PASS
Band38	5MHz	16QAM	37775	1RB#0	1000~20000	-34.48	PASS
Band38	5MHz	16QAM	37775	1RB#0	20000~27000	-41.22	PASS
Band38	5MHz	QPSK	38000	1RB#0	0.009~0.15	-58.35	PASS
Band38	5MHz	QPSK	38000	1RB#0	0.15~30	-63.72	PASS
Band38	5MHz	QPSK	38000	1RB#0	30~1000	-64.60	PASS
Band38	5MHz	QPSK	38000	1RB#0	1000~20000	-43.54	PASS
Band38	5MHz	QPSK	38000	1RB#0	20000~27000	-41.35	PASS
Band38	5MHz	16QAM	38000	1RB#0	0.009~0.15	-58.09	PASS
Band38	5MHz	16QAM	38000	1RB#0	0.15~30	-65.99	PASS
Band38	5MHz	16QAM	38000	1RB#0	30~1000	-63.29	PASS
Band38	5MHz	16QAM	38000	1RB#0	1000~20000	-38.03	PASS
Band38	5MHz	16QAM	38000	1RB#0	20000~27000	-41.27	PASS
Band38	5MHz	QPSK	38225	1RB#0	0.009~0.15	-59.57	PASS
Band38	5MHz	QPSK	38225	1RB#0	0.15~30	-61.64	PASS
Band38	5MHz	QPSK	38225	1RB#0	30~1000	-64.96	PASS
Band38	5MHz	QPSK	38225	1RB#0	1000~20000	-35.71	PASS
Band38	5MHz	QPSK	38225	1RB#0	20000~27000	-41.28	PASS
Band38	5MHz	16QAM	38225	1RB#0	0.009~0.15	-58.75	PASS
Band38	5MHz	16QAM	38225	1RB#0	0.15~30	-62.93	PASS
Band38	5MHz	16QAM	38225	1RB#0	30~1000	-64.79	PASS
Band38	5MHz	16QAM	38225	1RB#0	1000~20000	-33.48	PASS
Band38	5MHz	16QAM	38225	1RB#0	20000~27000	-41.34	PASS
Band38	10MHz	QPSK	37800	1RB#0	0.009~0.15	-58.50	PASS
Band38	10MHz	QPSK	37800	1RB#0	0.15~30	-58.37	PASS
Band38	10MHz	QPSK	37800	1RB#0	30~1000	-64.84	PASS
Band38	10MHz	QPSK	37800	1RB#0	1000~20000	-41.40	PASS
Band38	10MHz	QPSK	37800	1RB#0	20000~27000	-41.03	PASS
Band38	10MHz	16QAM	37800	1RB#0	0.009~0.15	-58.50	PASS
Band38	10MHz	16QAM	37800	1RB#0	0.15~30	-56.06	PASS

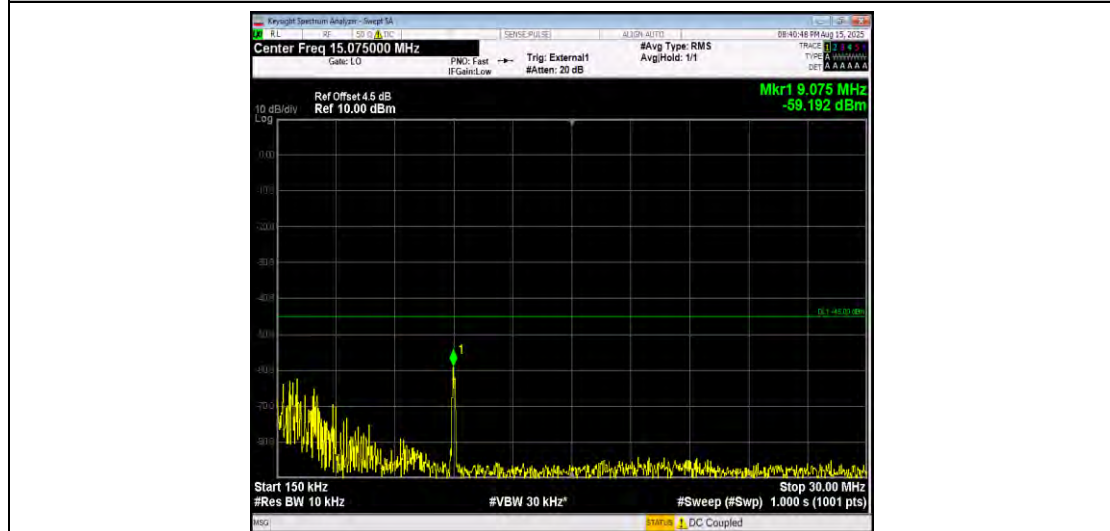
Band38	10MHz	16QAM	37800	1RB#0	30~1000	-64.91	PASS
Band38	10MHz	16QAM	37800	1RB#0	1000~20000	-43.72	PASS
Band38	10MHz	16QAM	37800	1RB#0	20000~27000	-41.19	PASS
Band38	10MHz	QPSK	38000	1RB#0	0.009~0.15	-58.12	PASS
Band38	10MHz	QPSK	38000	1RB#0	0.15~30	-59.71	PASS
Band38	10MHz	QPSK	38000	1RB#0	30~1000	-65.09	PASS
Band38	10MHz	QPSK	38000	1RB#0	1000~20000	-32.17	PASS
Band38	10MHz	QPSK	38000	1RB#0	20000~27000	-40.98	PASS
Band38	10MHz	16QAM	38000	1RB#0	0.009~0.15	-59.47	PASS
Band38	10MHz	16QAM	38000	1RB#0	0.15~30	-58.14	PASS
Band38	10MHz	16QAM	38000	1RB#0	30~1000	-64.86	PASS
Band38	10MHz	16QAM	38000	1RB#0	1000~20000	-38.61	PASS
Band38	10MHz	16QAM	38000	1RB#0	20000~27000	-41.14	PASS
Band38	10MHz	QPSK	38200	1RB#0	0.009~0.15	-58.77	PASS
Band38	10MHz	QPSK	38200	1RB#0	0.15~30	-58.23	PASS
Band38	10MHz	QPSK	38200	1RB#0	30~1000	-64.88	PASS
Band38	10MHz	QPSK	38200	1RB#0	1000~20000	-43.82	PASS
Band38	10MHz	QPSK	38200	1RB#0	20000~27000	-41.32	PASS
Band38	10MHz	16QAM	38200	1RB#0	0.009~0.15	-57.97	PASS
Band38	10MHz	16QAM	38200	1RB#0	0.15~30	-64.35	PASS
Band38	10MHz	16QAM	38200	1RB#0	30~1000	-65.09	PASS
Band38	10MHz	16QAM	38200	1RB#0	1000~20000	-42.46	PASS
Band38	10MHz	16QAM	38200	1RB#0	20000~27000	-41.22	PASS
Band38	15MHz	QPSK	37825	1RB#0	0.009~0.15	-58.37	PASS
Band38	15MHz	QPSK	37825	1RB#0	0.15~30	-57.58	PASS
Band38	15MHz	QPSK	37825	1RB#0	30~1000	-65.13	PASS
Band38	15MHz	QPSK	37825	1RB#0	1000~20000	-43.70	PASS
Band38	15MHz	QPSK	37825	1RB#0	20000~27000	-41.35	PASS
Band38	15MHz	16QAM	37825	1RB#0	0.009~0.15	-58.55	PASS
Band38	15MHz	16QAM	37825	1RB#0	0.15~30	-58.79	PASS
Band38	15MHz	16QAM	37825	1RB#0	30~1000	-64.95	PASS
Band38	15MHz	16QAM	37825	1RB#0	1000~20000	-42.15	PASS
Band38	15MHz	16QAM	37825	1RB#0	20000~27000	-41.00	PASS
Band38	15MHz	QPSK	38000	1RB#0	0.009~0.15	-58.73	PASS
Band38	15MHz	QPSK	38000	1RB#0	0.15~30	-58.34	PASS
Band38	15MHz	QPSK	38000	1RB#0	30~1000	-64.79	PASS
Band38	15MHz	QPSK	38000	1RB#0	1000~20000	-43.02	PASS
Band38	15MHz	QPSK	38000	1RB#0	20000~27000	-40.80	PASS
Band38	15MHz	16QAM	38000	1RB#0	0.009~0.15	-61.88	PASS
Band38	15MHz	16QAM	38000	1RB#0	0.15~30	-61.03	PASS
Band38	15MHz	16QAM	38000	1RB#0	30~1000	-65.06	PASS
Band38	15MHz	16QAM	38000	1RB#0	1000~20000	-40.84	PASS
Band38	15MHz	16QAM	38000	1RB#0	20000~27000	-41.15	PASS

Band38	15MHz	QPSK	38175	1RB#0	0.009~0.15	-59.24	PASS
Band38	15MHz	QPSK	38175	1RB#0	0.15~30	-65.12	PASS
Band38	15MHz	QPSK	38175	1RB#0	30~1000	-64.78	PASS
Band38	15MHz	QPSK	38175	1RB#0	1000~20000	-40.96	PASS
Band38	15MHz	QPSK	38175	1RB#0	20000~27000	-41.14	PASS
Band38	15MHz	16QAM	38175	1RB#0	0.009~0.15	-59.52	PASS
Band38	15MHz	16QAM	38175	1RB#0	0.15~30	-66.59	PASS
Band38	15MHz	16QAM	38175	1RB#0	30~1000	-62.52	PASS
Band38	15MHz	16QAM	38175	1RB#0	1000~20000	-42.75	PASS
Band38	15MHz	16QAM	38175	1RB#0	20000~27000	-41.14	PASS
Band38	20MHz	QPSK	37850	1RB#0	0.009~0.15	-59.15	PASS
Band38	20MHz	QPSK	37850	1RB#0	0.15~30	-57.59	PASS
Band38	20MHz	QPSK	37850	1RB#0	30~1000	-64.96	PASS
Band38	20MHz	QPSK	37850	1RB#0	1000~20000	-39.59	PASS
Band38	20MHz	QPSK	37850	1RB#0	20000~27000	-41.32	PASS
Band38	20MHz	16QAM	37850	1RB#0	0.009~0.15	-59.40	PASS
Band38	20MHz	16QAM	37850	1RB#0	0.15~30	-59.07	PASS
Band38	20MHz	16QAM	37850	1RB#0	30~1000	-64.90	PASS
Band38	20MHz	16QAM	37850	1RB#0	1000~20000	-43.71	PASS
Band38	20MHz	16QAM	37850	1RB#0	20000~27000	-40.95	PASS
Band38	20MHz	QPSK	38000	1RB#0	0.009~0.15	-57.49	PASS
Band38	20MHz	QPSK	38000	1RB#0	0.15~30	-59.85	PASS
Band38	20MHz	QPSK	38000	1RB#0	30~1000	-64.99	PASS
Band38	20MHz	QPSK	38000	1RB#0	1000~20000	-43.62	PASS
Band38	20MHz	QPSK	38000	1RB#0	20000~27000	-41.22	PASS
Band38	20MHz	16QAM	38000	1RB#0	0.009~0.15	-58.87	PASS
Band38	20MHz	16QAM	38000	1RB#0	0.15~30	-56.96	PASS
Band38	20MHz	16QAM	38000	1RB#0	30~1000	-65.07	PASS
Band38	20MHz	16QAM	38000	1RB#0	1000~20000	-39.33	PASS
Band38	20MHz	16QAM	38000	1RB#0	20000~27000	-41.33	PASS
Band38	20MHz	QPSK	38150	1RB#0	0.009~0.15	-59.48	PASS
Band38	20MHz	QPSK	38150	1RB#0	0.15~30	-63.90	PASS
Band38	20MHz	QPSK	38150	1RB#0	30~1000	-64.99	PASS
Band38	20MHz	QPSK	38150	1RB#0	1000~20000	-37.23	PASS
Band38	20MHz	QPSK	38150	1RB#0	20000~27000	-41.29	PASS
Band38	20MHz	16QAM	38150	1RB#0	0.009~0.15	-59.92	PASS
Band38	20MHz	16QAM	38150	1RB#0	0.15~30	-60.83	PASS
Band38	20MHz	16QAM	38150	1RB#0	30~1000	-65.18	PASS
Band38	20MHz	16QAM	38150	1RB#0	1000~20000	-40.75	PASS
Band38	20MHz	16QAM	38150	1RB#0	20000~27000	-41.35	PASS

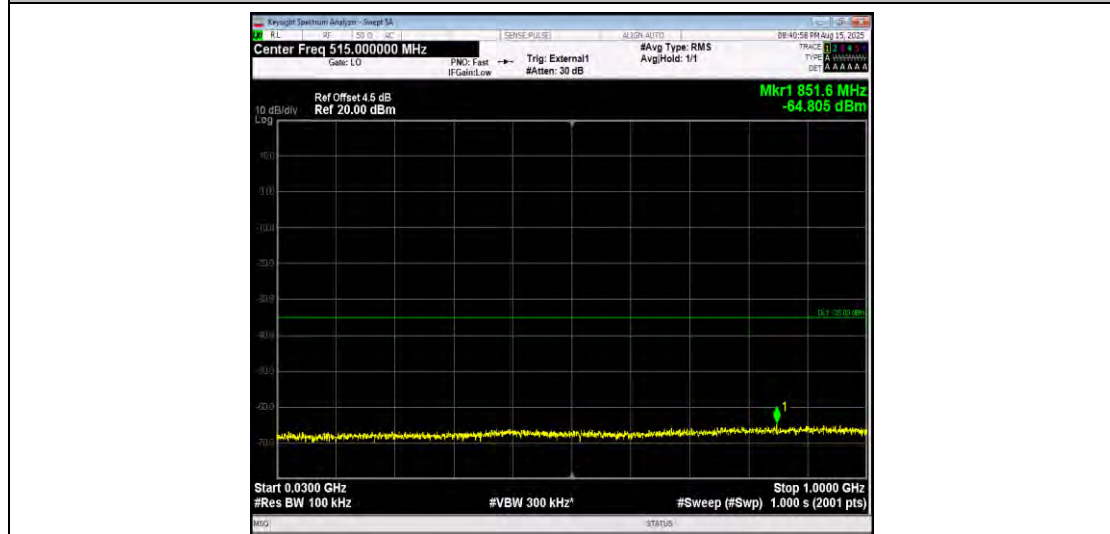
Test Graphs



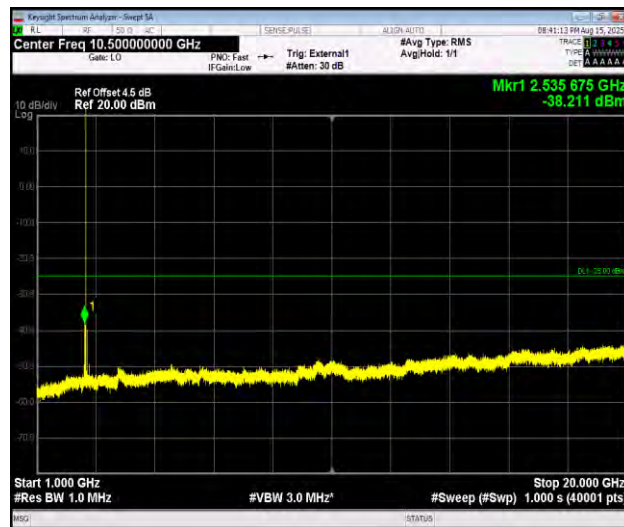
Band38_5MHz_QPSK_37775_1RB#0_0.009~0.15_0.009~0.15



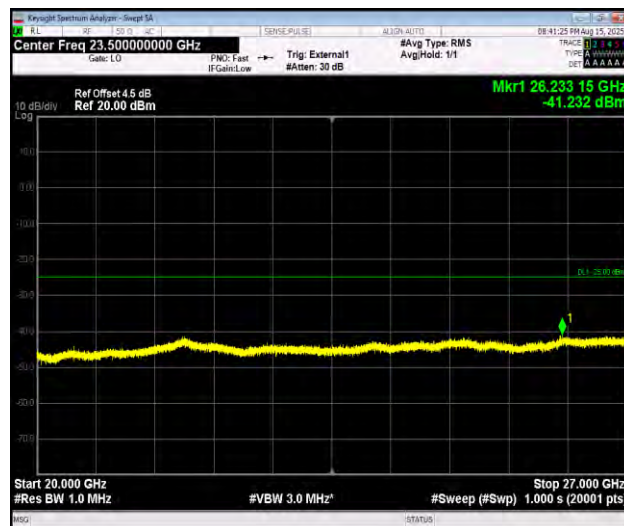
Band38_5MHz_QPSK_37775_1RB#0_0.15~30_0.15~30



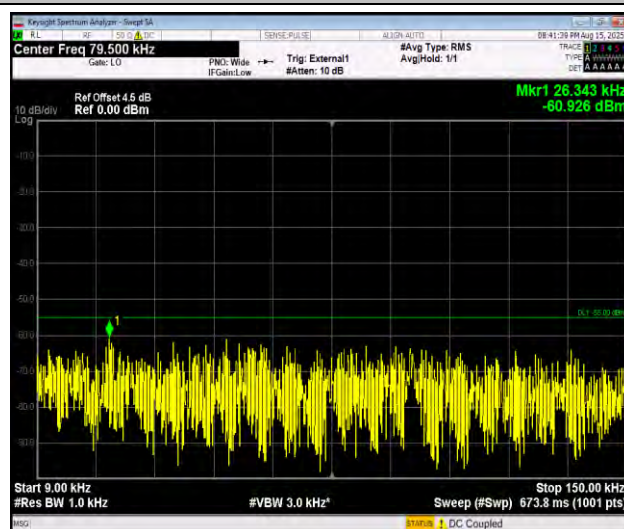
Band38_5MHz_QPSK_37775_1RB#0_30~1000_30~1000



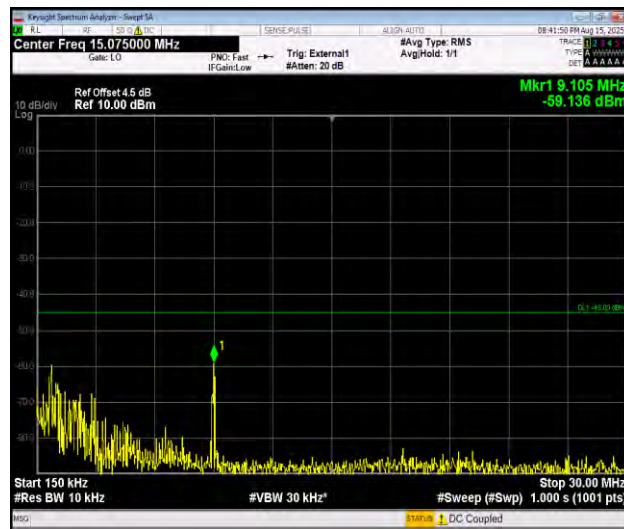
Band38_5MHz_QPSK_37775_1RB#0_1000~20000_1000~20000



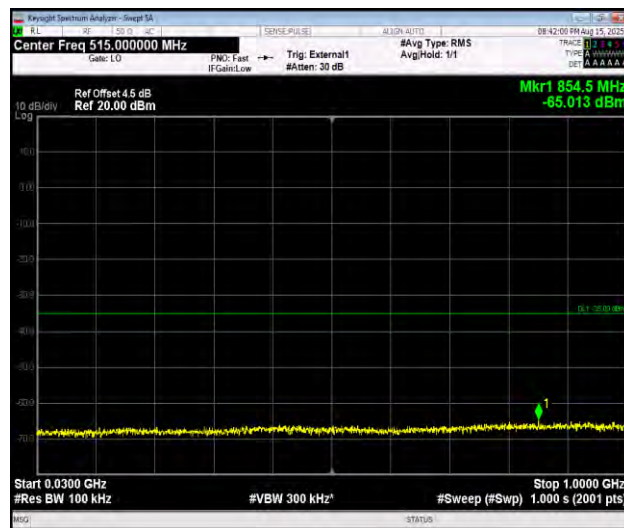
Band38_5MHz_QPSK_37775_1RB#0_20000~27000_20000~27000



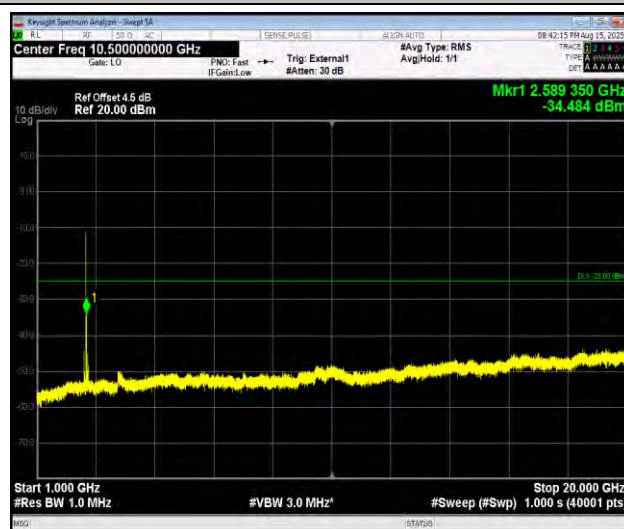
Band38_5MHz_16QAM_37775_1RB#0_0.009~0.15_0.009~0.15



Band38_5MHz_16QAM_37775_1RB#0_0.15~30_0.15~30



Band38_5MHz_16QAM_37775_1RB#0_30~1000_30~1000



Band38 5MHz 16QAM 37775 1RB#0 1000~20000 1000~20000