Appendix for LTE Band 7

Product Name: Rugged handheld
Model No: UA60

Appendix A: Average Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band7	5MHz	QPSK	20775	1RB#0	22.46	PASS
Band7	5MHz	QPSK	20775	1RB#12	22.48	PASS
Band7	5MHz	QPSK	20775	1RB#24	22.52	PASS
Band7	5MHz	QPSK	20775	12RB#0	21.51	PASS
Band7	5MHz	QPSK	20775	12RB#6	21.48	PASS
Band7	5MHz	QPSK	20775	12RB#13	21.49	PASS
Band7	5MHz	QPSK	20775	25RB#0	21.49	PASS
Band7	5MHz	16QAM	20775	1RB#0	21.46	PASS
Band7	5MHz	16QAM	20775	1RB#12	21.45	PASS
Band7	5MHz	16QAM	20775	1RB#24	21.49	PASS
Band7	5MHz	16QAM	20775	12RB#0	20.37	PASS
Band7	5MHz	16QAM	20775	12RB#6	20.56	PASS
Band7	5MHz	16QAM	20775	12RB#13	20.48	PASS
Band7	5MHz	16QAM	20775	25RB#0	20.48	PASS
Band7	5MHz	QPSK	21100	1RB#0	22.58	PASS
Band7	5MHz	QPSK	21100	1RB#12	22.69	PASS
Band7	5MHz	QPSK	21100	1RB#24	22.59	PASS
Band7	5MHz	QPSK	21100	12RB#0	21.56	PASS
Band7	5MHz	QPSK	21100	12RB#6	21.59	PASS
Band7	5MHz	QPSK	21100	12RB#13	21.55	PASS
Band7	5MHz	QPSK	21100	25RB#0	21.61	PASS
Band7	5MHz	16QAM	21100	1RB#0	21.61	PASS
Band7	5MHz	16QAM	21100	1RB#12	21.50	PASS
Band7	5MHz	16QAM	21100	1RB#24	21.71	PASS
Band7	5MHz	16QAM	21100	12RB#0	20.57	PASS
Band7	5MHz	16QAM	21100	12RB#6	20.49	PASS
Band7	5MHz	16QAM	21100	12RB#13	20.50	PASS
Band7	5MHz	16QAM	21100	25RB#0	20.60	PASS
Band7	5MHz	QPSK	21425	1RB#0	22.21	PASS
Band7	5MHz	QPSK	21425	1RB#12	22.38	PASS
Band7	5MHz	QPSK	21425	1RB#24	22.25	PASS
Band7	5MHz	QPSK	21425	12RB#0	21.22	PASS
Band7	5MHz	QPSK	21425	12RB#6	21.26	PASS
Band7	5MHz	QPSK	21425	12RB#13	21.26	PASS
Band7	5MHz	QPSK	21425	25RB#0	21.28	PASS
Band7	5MHz	16QAM	21425	1RB#0	21.15	PASS

Band7	5MHz	16QAM	21425	1RB#12	21.20	PASS
Band7	5MHz	16QAM	21425	1RB#24	21.16	PASS
Band7	5MHz	16QAM	21425	12RB#0	21.24	PASS
Band7	5MHz	16QAM	21425	12RB#6	21.22	PASS
Band7	5MHz	16QAM	21425	12RB#13	21.25	PASS
Band7	5MHz	16QAM	21425	25RB#0	21.23	PASS
Band7	10MHz	QPSK	20800	1RB#0	22.49	PASS
Band7	10MHz	QPSK	20800	1RB#24	22.56	PASS
Band7	10MHz	QPSK	20800	1RB#49	22.57	PASS
Band7	10MHz	QPSK	20800	25RB#0	21.51	PASS
Band7	10MHz	QPSK	20800	25RB#12	21.51	PASS
Band7	10MHz	QPSK	20800	25RB#25	21.52	PASS
Band7	10MHz	QPSK	20800	50RB#0	21.47	PASS
Band7	10MHz	16QAM	20800	1RB#0	21.50	PASS
Band7	10MHz	16QAM	20800	1RB#24	21.53	PASS
Band7	10MHz	16QAM	20800	1RB#49	21.52	PASS
Band7	10MHz	16QAM	20800	25RB#0	20.53	PASS
Band7	10MHz	16QAM	20800	25RB#12	20.53	PASS
Band7	10MHz	16QAM	20800	25RB#25	20.47	PASS
Band7	10MHz	16QAM	20800	50RB#0	20.48	PASS
Band7	10MHz	QPSK	21100	1RB#0	22.60	PASS
Band7	10MHz	QPSK	21100	1RB#24	22.46	PASS
Band7	10MHz	QPSK	21100	1RB#49	22.64	PASS
Band7	10MHz	QPSK	21100	25RB#0	21.66	PASS
Band7	10MHz	QPSK	21100	25RB#12	21.65	PASS
Band7	10MHz	QPSK	21100	25RB#25	21.58	PASS
Band7	10MHz	QPSK	21100	50RB#0	21.56	PASS
Band7	10MHz	16QAM	21100	1RB#0	21.56	PASS
Band7	10MHz	16QAM	21100	1RB#24	21.69	PASS
Band7	10MHz	16QAM	21100	1RB#49	21.41	PASS
Band7	10MHz	16QAM	21100	25RB#0	20.67	PASS
Band7	10MHz	16QAM	21100	25RB#12	20.63	PASS
Band7	10MHz	16QAM	21100	25RB#25	20.56	PASS
Band7	10MHz	16QAM	21100	50RB#0	20.58	PASS
Band7	10MHz	QPSK	21400	1RB#0	22.39	PASS
Band7	10MHz	QPSK	21400	1RB#24	22.34	PASS
Band7	10MHz	QPSK	21400	1RB#49	22.24	PASS
Band7	10MHz	QPSK	21400	25RB#0	21.37	PASS
Band7	10MHz	QPSK	21400	25RB#12	21.33	PASS
Band7	10MHz	QPSK	21400	25RB#25	21.30	PASS
Band7	10MHz	QPSK	21400	50RB#0	21.31	PASS
Band7	10MHz	16QAM	21400	1RB#0	21.20	PASS

Band7	10MHz	16QAM	21400	1RB#24	21.23	PASS
Band7	10MHz	16QAM	21400	1RB#49	21.38	PASS
Band7	10MHz	16QAM	21400	25RB#0	20.35	PASS
Band7	10MHz	16QAM	21400	25RB#12	20.38	PASS
Band7	10MHz	16QAM	21400	25RB#25	21.28	PASS
Band7	10MHz	16QAM	21400	50RB#0	20.32	PASS
Band7	15MHz	QPSK	20825	1RB#0	22.23	PASS
Band7	15MHz	QPSK	20825	1RB#38	22.41	PASS
Band7	15MHz	QPSK	20825	1RB#74	22.37	PASS
Band7	15MHz	QPSK	20825	38RB#0	21.36	PASS
Band7	15MHz	QPSK	20825	38RB#18	21.37	PASS
Band7	15MHz	QPSK	20825	38RB#37	21.42	PASS
Band7	15MHz	QPSK	20825	75RB#0	21.38	PASS
Band7	15MHz	16QAM	20825	1RB#0	21.24	PASS
Band7	15MHz	16QAM	20825	1RB#38	21.36	PASS
Band7	15MHz	16QAM	20825	1RB#74	21.28	PASS
Band7	15MHz	16QAM	20825	38RB#0	21.41	PASS
Band7	15MHz	16QAM	20825	38RB#18	21.37	PASS
Band7	15MHz	16QAM	20825	38RB#37	21.37	PASS
Band7	15MHz	16QAM	20825	75RB#0	20.35	PASS
Band7	15MHz	QPSK	21100	1RB#0	22.39	PASS
Band7	15MHz	QPSK	21100	1RB#38	22.41	PASS
Band7	15MHz	QPSK	21100	1RB#74	22.32	PASS
Band7	15MHz	QPSK	21100	38RB#0	21.48	PASS
Band7	15MHz	QPSK	21100	38RB#18	21.45	PASS
Band7	15MHz	QPSK	21100	38RB#37	21.48	PASS
Band7	15MHz	QPSK	21100	75RB#0	21.46	PASS
Band7	15MHz	16QAM	21100	1RB#0	21.32	PASS
Band7	15MHz	16QAM	21100	1RB#38	21.27	PASS
Band7	15MHz	16QAM	21100	1RB#74	21.20	PASS
Band7	15MHz	16QAM	21100	38RB#0	21.49	PASS
Band7	15MHz	16QAM	21100	38RB#18	21.50	PASS
Band7	15MHz	16QAM	21100	38RB#37	21.47	PASS
Band7	15MHz	16QAM	21100	75RB#0	20.45	PASS
Band7	15MHz	QPSK	21375	1RB#0	22.23	PASS
Band7	15MHz	QPSK	21375	1RB#38	22.15	PASS
Band7	15MHz	QPSK	21375	1RB#74	22.02	PASS
Band7	15MHz	QPSK	21375	38RB#0	21.27	PASS
Band7	15MHz	QPSK	21375	38RB#18	21.24	PASS
Band7	15MHz	QPSK	21375	38RB#37	21.26	PASS
Band7	15MHz	QPSK	21375	75RB#0	21.27	PASS
Band7	15MHz	16QAM	21375	1RB#0	21.06	PASS

Band7	15MHz	16QAM	21375	1RB#38	21.07	PASS
Band7	15MHz	16QAM	21375	1RB#74	20.80	PASS
Band7	15MHz	16QAM	21375	38RB#0	21.22	PASS
Band7	15MHz	16QAM	21375	38RB#18	21.26	PASS
Band7	15MHz	16QAM	21375	38RB#37	21.27	PASS
Band7	15MHz	16QAM	21375	75RB#0	21.21	PASS
Band7	20MHz	QPSK	20850	1RB#0	22.34	PASS
Band7	20MHz	QPSK	20850	1RB#49	22.43	PASS
Band7	20MHz	QPSK	20850	1RB#99	22.35	PASS
Band7	20MHz	QPSK	20850	50RB#0	21.42	PASS
Band7	20MHz	QPSK	20850	50RB#25	21.39	PASS
Band7	20MHz	QPSK	20850	50RB#50	21.33	PASS
Band7	20MHz	QPSK	20850	100RB#0	21.42	PASS
Band7	20MHz	16QAM	20850	1RB#0	21.36	PASS
Band7	20MHz	16QAM	20850	1RB#49	21.34	PASS
Band7	20MHz	16QAM	20850	1RB#99	21.30	PASS
Band7	20MHz	16QAM	20850	50RB#0	20.39	PASS
Band7	20MHz	16QAM	20850	50RB#25	20.38	PASS
Band7	20MHz	16QAM	20850	50RB#50	20.35	PASS
Band7	20MHz	16QAM	20850	100RB#0	20.43	PASS
Band7	20MHz	QPSK	21100	1RB#0	22.44	PASS
Band7	20MHz	QPSK	21100	1RB#49	22.70	PASS
Band7	20MHz	QPSK	21100	1RB#99	22.21	PASS
Band7	20MHz	QPSK	21100	50RB#0	21.48	PASS
Band7	20MHz	QPSK	21100	50RB#25	21.52	PASS
Band7	20MHz	QPSK	21100	50RB#50	21.35	PASS
Band7	20MHz	QPSK	21100	100RB#0	21.41	PASS
Band7	20MHz	16QAM	21100	1RB#0	21.50	PASS
Band7	20MHz	16QAM	21100	1RB#49	21.51	PASS
Band7	20MHz	16QAM	21100	1RB#99	21.16	PASS
Band7	20MHz	16QAM	21100	50RB#0	20.45	PASS
Band7	20MHz	16QAM	21100	50RB#25	20.49	PASS
Band7	20MHz	16QAM	21100	50RB#50	20.42	PASS
Band7	20MHz	16QAM	21100	100RB#0	20.38	PASS
Band7	20MHz	QPSK	21350	1RB#0	22.40	PASS
Band7	20MHz	QPSK	21350	1RB#49	22.20	PASS
Band7	20MHz	QPSK	21350	1RB#99	22.10	PASS
Band7	20MHz	QPSK	21350	50RB#0	21.29	PASS
Band7	20MHz	QPSK	21350	50RB#25	21.32	PASS
Band7	20MHz	QPSK	21350	50RB#50	21.09	PASS
Band7	20MHz	QPSK	21350	100RB#0	21.24	PASS
Band7	20MHz	16QAM	21350	1RB#0	21.08	PASS

Band7	20MHz	16QAM	21350	1RB#49	21.09	PASS
Band7	20MHz	16QAM	21350	1RB#99	20.85	PASS
Band7	20MHz	16QAM	21350	50RB#0	21.30	PASS
Band7	20MHz	16QAM	21350	50RB#25	21.29	PASS
Band7	20MHz	16QAM	21350	50RB#50	21.07	PASS
Band7	20MHz	16QAM	21350	100RB#0	21.23	PASS

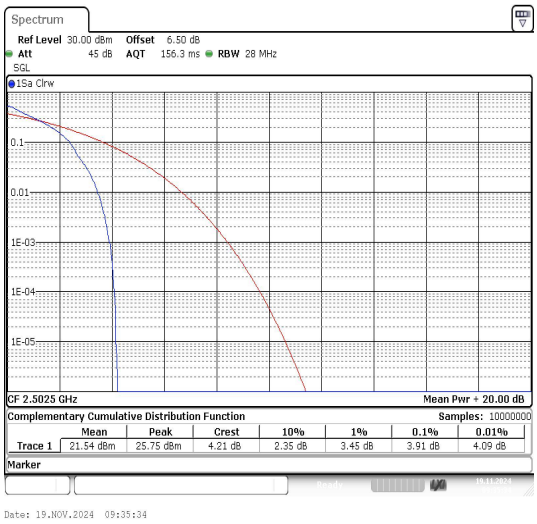
Appendix B: Peak-to-Average Ratio(CCDF)

Test Result

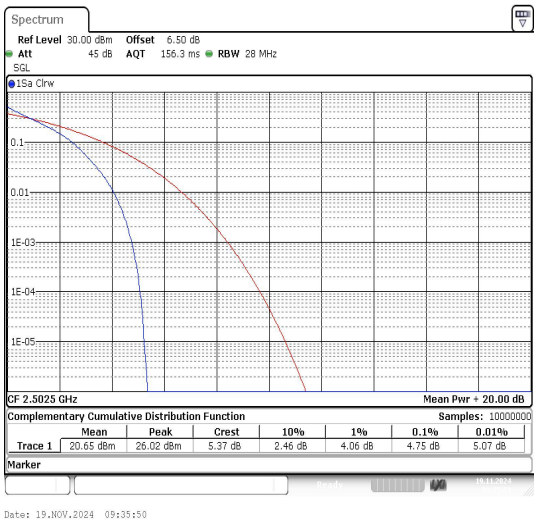
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band7	5MHz	QPSK	20775	1RB#0	3.91	13	PASS
Band7	5MHz	QPSK	20775	25RB#0	4.75	13	PASS
Band7	5MHz	16QAM	20775	1RB#0	4.87	13	PASS
Band7	5MHz	16QAM	20775	25RB#0	5.62	13	PASS
Band7	5MHz	QPSK	21100	1RB#0	3.88	13	PASS
Band7	5MHz	QPSK	21100	25RB#0	4.75	13	PASS
Band7	5MHz	16QAM	21100	1RB#0	4.93	13	PASS
Band7	5MHz	16QAM	21100	25RB#0	5.62	13	PASS
Band7	5MHz	QPSK	21425	1RB#0	3.57	13	PASS
Band7	5MHz	QPSK	21425	25RB#0	4.38	13	PASS
Band7	5MHz	16QAM	21425	1RB#0	4.58	13	PASS
Band7	5MHz	16QAM	21425	25RB#0	5.30	13	PASS
Band7	10MHz	QPSK	20800	1RB#0	3.86	13	PASS
Band7	10MHz	QPSK	20800	50RB#0	4.90	13	PASS
Band7	10MHz	16QAM	20800	1RB#0	4.81	13	PASS
Band7	10MHz	16QAM	20800	50RB#0	5.77	13	PASS
Band7	10MHz	QPSK	21100	1RB#0	3.88	13	PASS
Band7	10MHz	QPSK	21100	50RB#0	4.75	13	PASS
Band7	10MHz	16QAM	21100	1RB#0	4.90	13	PASS
Band7	10MHz	16QAM	21100	50RB#0	5.65	13	PASS
Band7	10MHz	QPSK	21400	1RB#0	3.68	13	PASS
Band7	10MHz	QPSK	21400	50RB#0	4.46	13	PASS
Band7	10MHz	16QAM	21400	1RB#0	4.61	13	PASS
Band7	10MHz	16QAM	21400	50RB#0	5.36	13	PASS
Band7	15MHz	QPSK	20825	1RB#0	4.03	13	PASS
Band7	15MHz	QPSK	20825	75RB#0	5.28	13	PASS
Band7	15MHz	16QAM	20825	1RB#0	5.04	13	PASS
Band7	15MHz	16QAM	20825	75RB#0	5.97	13	PASS
Band7	15MHz	QPSK	21100	1RB#0	4.14	13	PASS
Band7	15MHz	QPSK	21100	75RB#0	5.04	13	PASS
Band7	15MHz	16QAM	21100	1RB#0	5.07	13	PASS
Band7	15MHz	16QAM	21100	75RB#0	5.80	13	PASS
Band7	15MHz	QPSK	21375	1RB#0	3.91	13	PASS
Band7	15MHz	QPSK	21375	75RB#0	4.75	13	PASS
Band7	15MHz	16QAM	21375	1RB#0	4.87	13	PASS
Band7	15MHz	16QAM	21375	75RB#0	5.54	13	PASS
Band7	20MHz	QPSK	20850	1RB#0	4.09	13	PASS

Band7	20MHz	QPSK	20850	100RB#0	5.10	13	PASS
Band7	20MHz	16QAM	20850	1RB#0	4.99	13	PASS
Band7	20MHz	16QAM	20850	100RB#0	6.00	13	PASS
Band7	20MHz	QPSK	21100	1RB#0	4.26	13	PASS
Band7	20MHz	QPSK	21100	100RB#0	4.93	13	PASS
Band7	20MHz	16QAM	21100	1RB#0	5.19	13	PASS
Band7	20MHz	16QAM	21100	100RB#0	5.83	13	PASS
Band7	20MHz	QPSK	21350	1RB#0	3.97	13	PASS
Band7	20MHz	QPSK	21350	100RB#0	4.72	13	PASS
Band7	20MHz	16QAM	21350	1RB#0	4.87	13	PASS
Band7	20MHz	16QAM	21350	100RB#0	5.59	13	PASS

Test Graphs



Band7-5MHz-QPSK-20775-1RB#0-PASS



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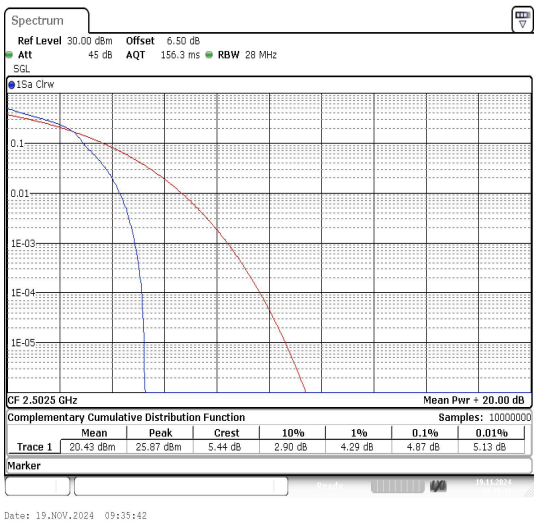
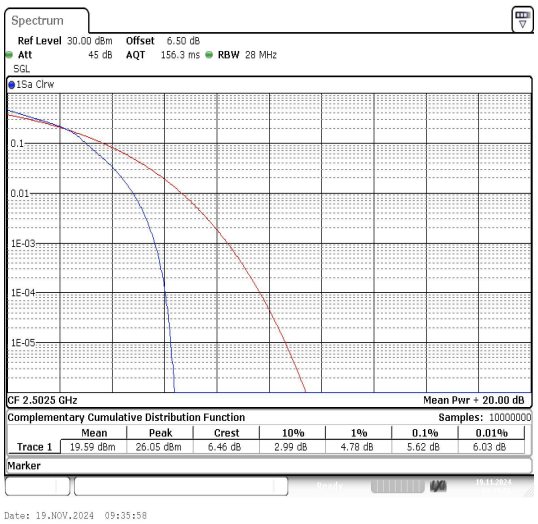
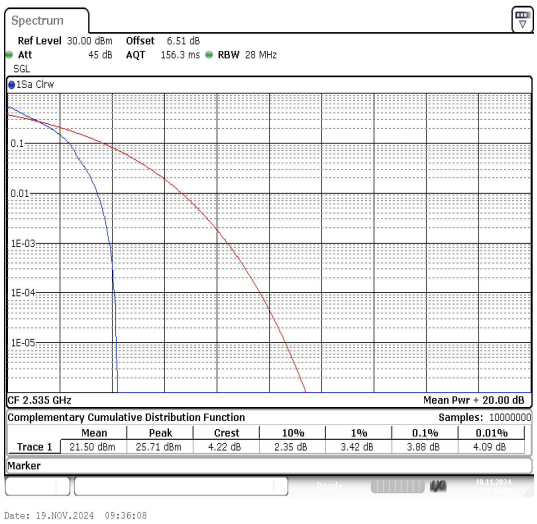


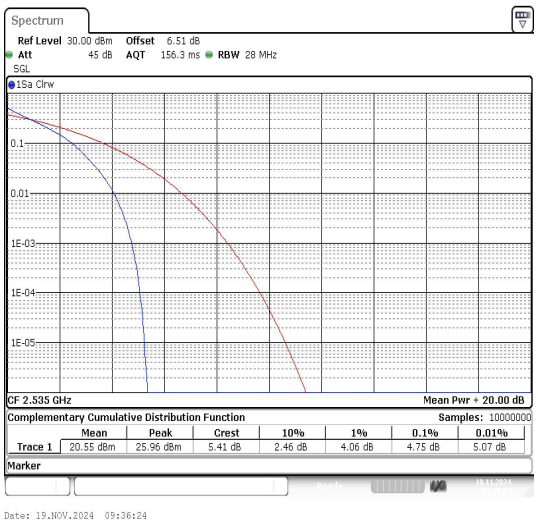
Band7-5MHz-16QAM-20775-1RB#0-PASS



Band7-5MHz-16QAM-20775-25RB#0-PASS



Band7-5MHz-QPSK-21100-1RB#0-PASS



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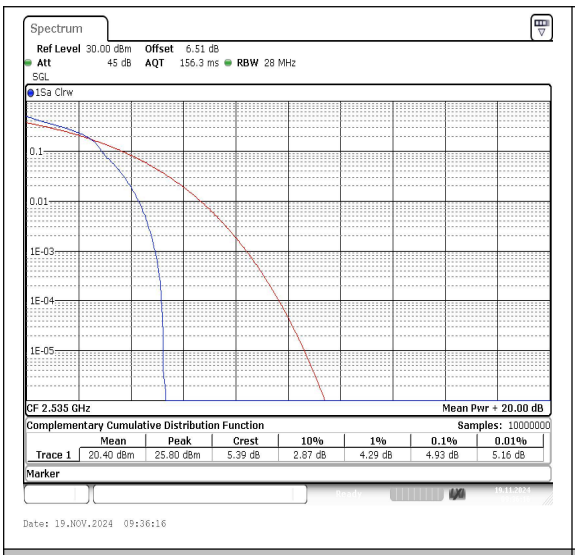
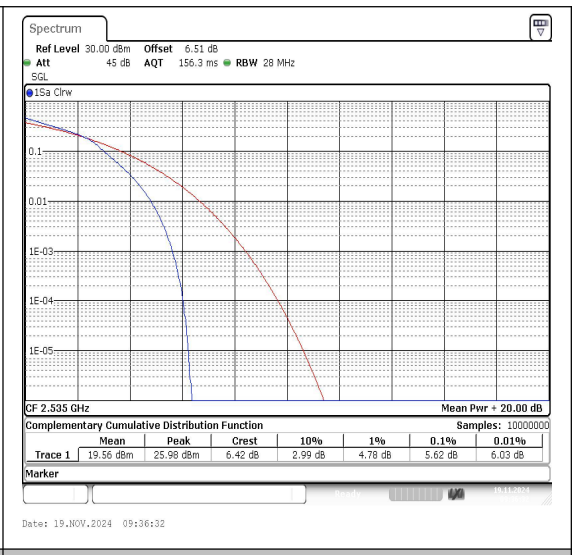
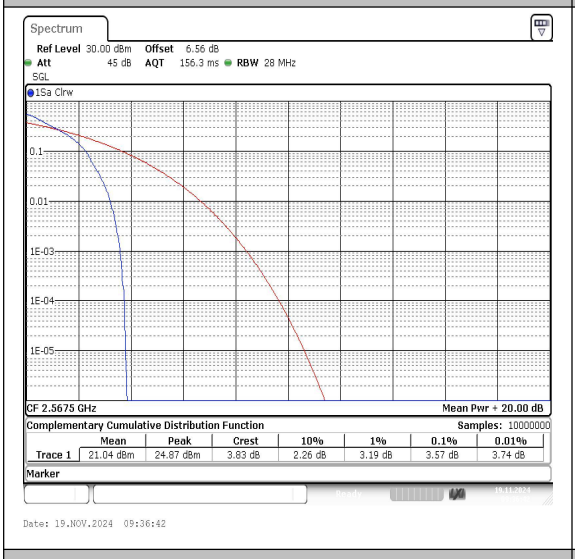


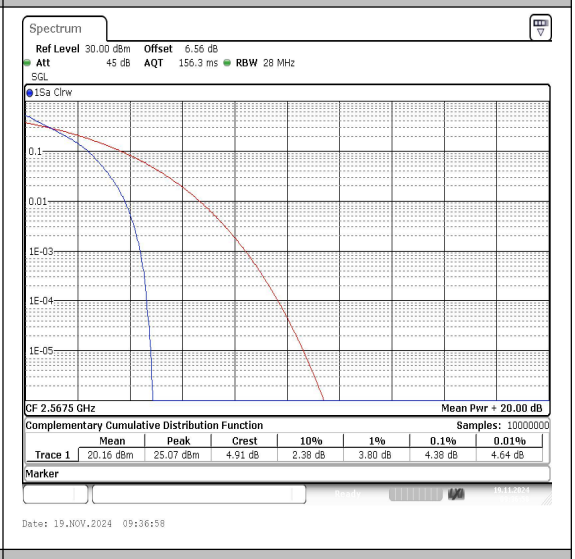
Band7-5MHz-16QAM-21100-1RB#0-PASS



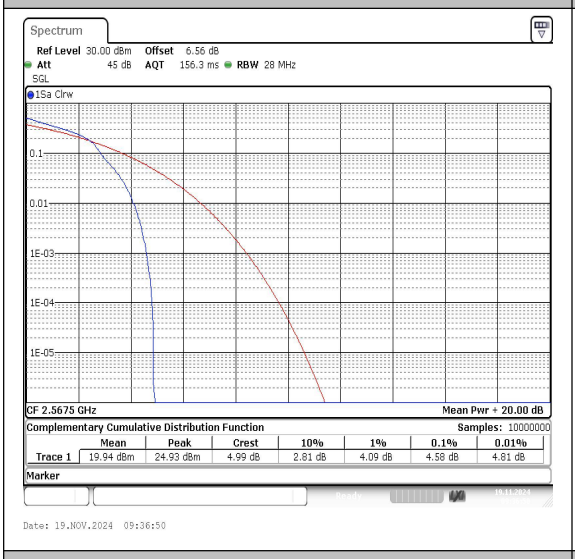
Band7-5MHz-16QAM-21100-25RB#0-PASS



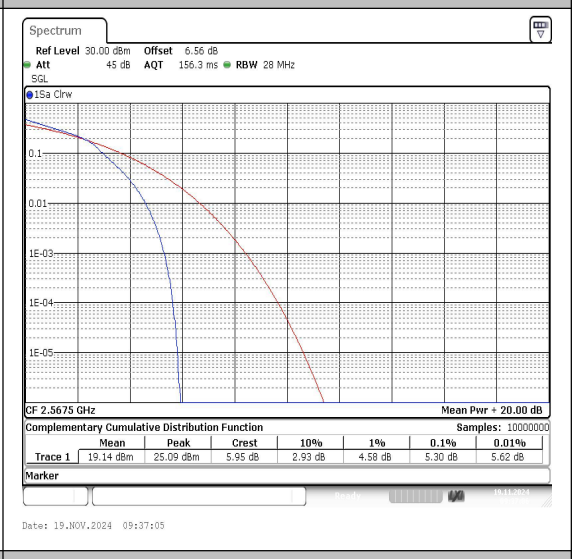
Band7-5MHz-QPSK-21425-1RB#0-PASS



Band7-5MHz-QPSK-21425-25RB#0-PASS



Band7-5MHz-16QAM-21425-1RB#0-PASS



Band7-5MHz-16QAM-21425-25RB#0-PASS