

Appendix for LTE Band 7

Product Name: Rugged Android Tablet
Model No: UA80

Appendix A: Average Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band7	5MHz	QPSK	20775	1RB#0	23.06	PASS
Band7	5MHz	16QAM	20775	1RB#0	22.03	PASS
Band7	5MHz	QPSK	20775	1RB#12	22.97	PASS
Band7	5MHz	16QAM	20775	1RB#12	21.98	PASS
Band7	5MHz	QPSK	20775	1RB#24	22.89	PASS
Band7	5MHz	16QAM	20775	1RB#24	21.95	PASS
Band7	5MHz	QPSK	20775	12RB#0	21.96	PASS
Band7	5MHz	16QAM	20775	12RB#0	20.99	PASS
Band7	5MHz	QPSK	20775	12RB#6	22.01	PASS
Band7	5MHz	16QAM	20775	12RB#6	20.95	PASS
Band7	5MHz	QPSK	20775	12RB#13	21.93	PASS
Band7	5MHz	16QAM	20775	12RB#13	20.94	PASS
Band7	5MHz	QPSK	20775	25RB#0	21.88	PASS
Band7	5MHz	16QAM	20775	25RB#0	20.91	PASS
Band7	5MHz	QPSK	21100	1RB#0	23.25	PASS
Band7	5MHz	16QAM	21100	1RB#0	22.46	PASS
Band7	5MHz	QPSK	21100	1RB#12	23.08	PASS
Band7	5MHz	16QAM	21100	1RB#12	22.33	PASS
Band7	5MHz	QPSK	21100	1RB#24	23.01	PASS
Band7	5MHz	16QAM	21100	1RB#24	22.21	PASS
Band7	5MHz	QPSK	21100	12RB#0	21.94	PASS
Band7	5MHz	16QAM	21100	12RB#0	21.02	PASS
Band7	5MHz	QPSK	21100	12RB#6	21.98	PASS
Band7	5MHz	16QAM	21100	12RB#6	21.09	PASS
Band7	5MHz	QPSK	21100	12RB#13	21.91	PASS
Band7	5MHz	16QAM	21100	12RB#13	21.02	PASS
Band7	5MHz	QPSK	21100	25RB#0	21.95	PASS
Band7	5MHz	16QAM	21100	25RB#0	20.98	PASS
Band7	5MHz	QPSK	21425	1RB#0	23.02	PASS
Band7	5MHz	16QAM	21425	1RB#0	22.05	PASS
Band7	5MHz	QPSK	21425	1RB#12	22.89	PASS
Band7	5MHz	16QAM	21425	1RB#12	21.99	PASS
Band7	5MHz	QPSK	21425	1RB#24	22.88	PASS
Band7	5MHz	16QAM	21425	1RB#24	22.11	PASS
Band7	5MHz	QPSK	21425	12RB#0	21.97	PASS

Band7	5MHz	16QAM	21425	12RB#0	21.00	PASS
Band7	5MHz	QPSK	21425	12RB#6	22.02	PASS
Band7	5MHz	16QAM	21425	12RB#6	20.98	PASS
Band7	5MHz	QPSK	21425	12RB#13	21.87	PASS
Band7	5MHz	16QAM	21425	12RB#13	20.95	PASS
Band7	5MHz	QPSK	21425	25RB#0	21.93	PASS
Band7	5MHz	16QAM	21425	25RB#0	21.01	PASS
Band7	10MHz	QPSK	20800	1RB#0	23.04	PASS
Band7	10MHz	16QAM	20800	1RB#0	22.39	PASS
Band7	10MHz	QPSK	20800	1RB#24	22.83	PASS
Band7	10MHz	16QAM	20800	1RB#24	22.06	PASS
Band7	10MHz	QPSK	20800	1RB#49	23.04	PASS
Band7	10MHz	16QAM	20800	1RB#49	22.31	PASS
Band7	10MHz	QPSK	20800	25RB#0	21.98	PASS
Band7	10MHz	16QAM	20800	25RB#0	20.96	PASS
Band7	10MHz	QPSK	20800	25RB#12	21.95	PASS
Band7	10MHz	16QAM	20800	25RB#12	20.93	PASS
Band7	10MHz	QPSK	20800	25RB#25	21.95	PASS
Band7	10MHz	16QAM	20800	25RB#25	20.94	PASS
Band7	10MHz	QPSK	20800	50RB#0	21.91	PASS
Band7	10MHz	16QAM	20800	50RB#0	20.90	PASS
Band7	10MHz	QPSK	21100	1RB#0	23.29	PASS
Band7	10MHz	16QAM	21100	1RB#0	22.53	PASS
Band7	10MHz	QPSK	21100	1RB#24	22.92	PASS
Band7	10MHz	16QAM	21100	1RB#24	22.13	PASS
Band7	10MHz	QPSK	21100	1RB#49	23.04	PASS
Band7	10MHz	16QAM	21100	1RB#49	22.24	PASS
Band7	10MHz	QPSK	21100	25RB#0	22.06	PASS
Band7	10MHz	16QAM	21100	25RB#0	21.12	PASS
Band7	10MHz	QPSK	21100	25RB#12	22.04	PASS
Band7	10MHz	16QAM	21100	25RB#12	21.12	PASS
Band7	10MHz	QPSK	21100	25RB#25	21.93	PASS
Band7	10MHz	16QAM	21100	25RB#25	20.94	PASS
Band7	10MHz	QPSK	21100	50RB#0	21.98	PASS
Band7	10MHz	16QAM	21100	50RB#0	20.95	PASS
Band7	10MHz	QPSK	21400	1RB#0	23.18	PASS
Band7	10MHz	16QAM	21400	1RB#0	22.09	PASS
Band7	10MHz	QPSK	21400	1RB#24	22.76	PASS
Band7	10MHz	16QAM	21400	1RB#24	21.78	PASS
Band7	10MHz	QPSK	21400	1RB#49	22.89	PASS
Band7	10MHz	16QAM	21400	1RB#49	21.85	PASS
Band7	10MHz	QPSK	21400	25RB#0	21.93	PASS

Band7	10MHz	16QAM	21400	25RB#0	20.94	PASS
Band7	10MHz	QPSK	21400	25RB#12	21.92	PASS
Band7	10MHz	16QAM	21400	25RB#12	20.98	PASS
Band7	10MHz	QPSK	21400	25RB#25	21.87	PASS
Band7	10MHz	16QAM	21400	25RB#25	20.95	PASS
Band7	10MHz	QPSK	21400	50RB#0	21.97	PASS
Band7	10MHz	16QAM	21400	50RB#0	20.97	PASS
Band7	15MHz	QPSK	20825	1RB#0	23.08	PASS
Band7	15MHz	16QAM	20825	1RB#0	22.26	PASS
Band7	15MHz	QPSK	20825	1RB#38	23.06	PASS
Band7	15MHz	16QAM	20825	1RB#38	22.32	PASS
Band7	15MHz	QPSK	20825	1RB#74	23.14	PASS
Band7	15MHz	16QAM	20825	1RB#74	22.42	PASS
Band7	15MHz	QPSK	20825	38RB#0	22.12	PASS
Band7	15MHz	16QAM	20825	38RB#0	22.11	PASS
Band7	15MHz	QPSK	20825	38RB#18	22.11	PASS
Band7	15MHz	16QAM	20825	38RB#18	22.11	PASS
Band7	15MHz	QPSK	20825	38RB#37	22.11	PASS
Band7	15MHz	16QAM	20825	38RB#37	22.11	PASS
Band7	15MHz	QPSK	20825	75RB#0	22.12	PASS
Band7	15MHz	16QAM	20825	75RB#0	21.11	PASS
Band7	15MHz	QPSK	21100	1RB#0	23.24	PASS
Band7	15MHz	16QAM	21100	1RB#0	22.54	PASS
Band7	15MHz	QPSK	21100	1RB#38	23.04	PASS
Band7	15MHz	16QAM	21100	1RB#38	22.41	PASS
Band7	15MHz	QPSK	21100	1RB#74	22.97	PASS
Band7	15MHz	16QAM	21100	1RB#74	22.38	PASS
Band7	15MHz	QPSK	21100	38RB#0	22.18	PASS
Band7	15MHz	16QAM	21100	38RB#0	22.18	PASS
Band7	15MHz	QPSK	21100	38RB#18	22.19	PASS
Band7	15MHz	16QAM	21100	38RB#18	22.19	PASS
Band7	15MHz	QPSK	21100	38RB#37	22.19	PASS
Band7	15MHz	16QAM	21100	38RB#37	22.19	PASS
Band7	15MHz	QPSK	21100	75RB#0	22.19	PASS
Band7	15MHz	16QAM	21100	75RB#0	21.18	PASS
Band7	15MHz	QPSK	21375	1RB#0	23.14	PASS
Band7	15MHz	16QAM	21375	1RB#0	21.93	PASS
Band7	15MHz	QPSK	21375	1RB#38	22.85	PASS
Band7	15MHz	16QAM	21375	1RB#38	21.76	PASS
Band7	15MHz	QPSK	21375	1RB#74	22.80	PASS
Band7	15MHz	16QAM	21375	1RB#74	21.67	PASS
Band7	15MHz	QPSK	21375	38RB#0	21.86	PASS

Band7	15MHz	16QAM	21375	38RB#0	21.92	PASS
Band7	15MHz	QPSK	21375	38RB#18	21.92	PASS
Band7	15MHz	16QAM	21375	38RB#18	21.92	PASS
Band7	15MHz	QPSK	21375	38RB#37	21.93	PASS
Band7	15MHz	16QAM	21375	38RB#37	21.92	PASS
Band7	15MHz	QPSK	21375	75RB#0	21.92	PASS
Band7	15MHz	16QAM	21375	75RB#0	20.92	PASS
Band7	20MHz	QPSK	20850	1RB#0	23.19	PASS
Band7	20MHz	16QAM	20850	1RB#0	22.24	PASS
Band7	20MHz	QPSK	20850	1RB#49	23.06	PASS
Band7	20MHz	16QAM	20850	1RB#49	22.16	PASS
Band7	20MHz	QPSK	20850	1RB#99	23.19	PASS
Band7	20MHz	16QAM	20850	1RB#99	22.22	PASS
Band7	20MHz	QPSK	20850	50RB#0	22.01	PASS
Band7	20MHz	16QAM	20850	50RB#0	21.03	PASS
Band7	20MHz	QPSK	20850	50RB#25	22.06	PASS
Band7	20MHz	16QAM	20850	50RB#25	21.03	PASS
Band7	20MHz	QPSK	20850	50RB#50	22.15	PASS
Band7	20MHz	16QAM	20850	50RB#50	21.14	PASS
Band7	20MHz	QPSK	20850	100RB#0	22.12	PASS
Band7	20MHz	16QAM	20850	100RB#0	21.08	PASS
Band7	20MHz	QPSK	21100	1RB#0	23.42	PASS
Band7	20MHz	16QAM	21100	1RB#0	22.67	PASS
Band7	20MHz	QPSK	21100	1RB#49	23.10	PASS
Band7	20MHz	16QAM	21100	1RB#49	22.38	PASS
Band7	20MHz	QPSK	21100	1RB#99	23.07	PASS
Band7	20MHz	16QAM	21100	1RB#99	22.34	PASS
Band7	20MHz	QPSK	21100	50RB#0	22.21	PASS
Band7	20MHz	16QAM	21100	50RB#0	21.20	PASS
Band7	20MHz	QPSK	21100	50RB#25	22.15	PASS
Band7	20MHz	16QAM	21100	50RB#25	21.20	PASS
Band7	20MHz	QPSK	21100	50RB#50	22.10	PASS
Band7	20MHz	16QAM	21100	50RB#50	21.13	PASS
Band7	20MHz	QPSK	21100	100RB#0	22.17	PASS
Band7	20MHz	16QAM	21100	100RB#0	21.14	PASS
Band7	20MHz	QPSK	21350	1RB#0	23.18	PASS
Band7	20MHz	16QAM	21350	1RB#0	22.28	PASS
Band7	20MHz	QPSK	21350	1RB#49	22.99	PASS
Band7	20MHz	16QAM	21350	1RB#49	22.03	PASS
Band7	20MHz	QPSK	21350	1RB#99	22.84	PASS
Band7	20MHz	16QAM	21350	1RB#99	21.95	PASS
Band7	20MHz	QPSK	21350	50RB#0	22.00	PASS

Band7	20MHz	16QAM	21350	50RB#0	21.05	PASS
Band7	20MHz	QPSK	21350	50RB#25	22.00	PASS
Band7	20MHz	16QAM	21350	50RB#25	21.06	PASS
Band7	20MHz	QPSK	21350	50RB#50	21.92	PASS
Band7	20MHz	16QAM	21350	50RB#50	21.01	PASS
Band7	20MHz	QPSK	21350	100RB#0	21.95	PASS
Band7	20MHz	16QAM	21350	100RB#0	20.96	PASS

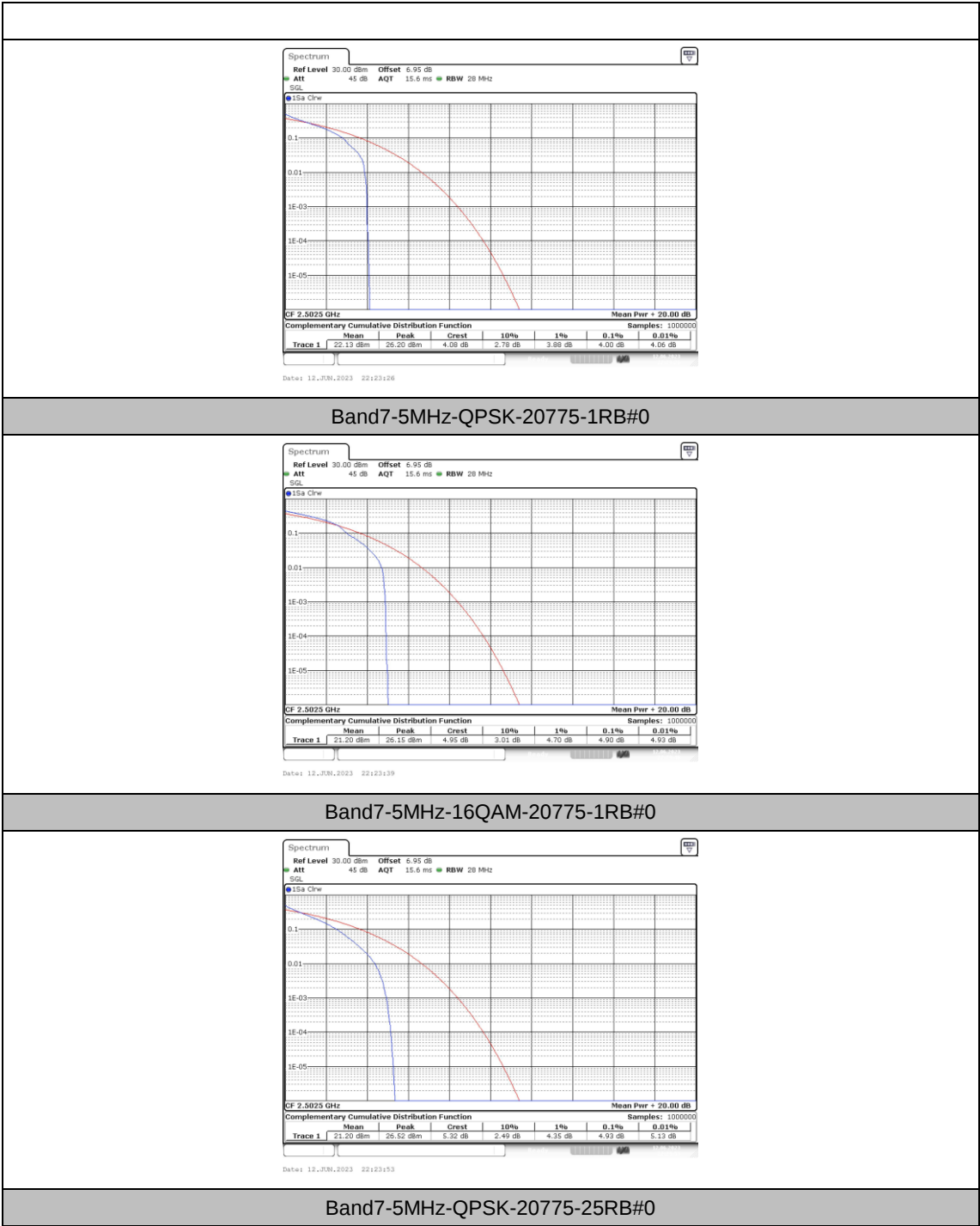
Appendix B: Peak-to-Average Ratio(CCDF)

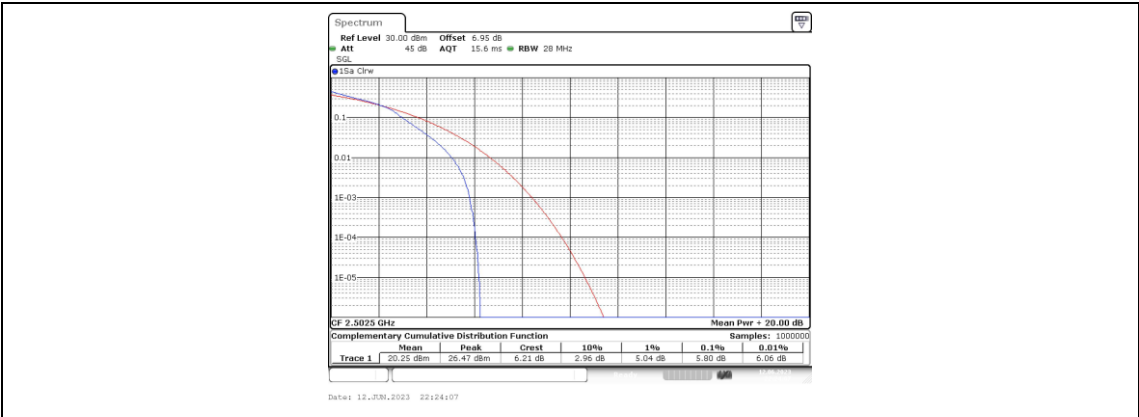
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band7	5MHz	QPSK	20775	1RB#0	4.00	13	PASS
Band7	5MHz	16QAM	20775	1RB#0	4.90	13	PASS
Band7	5MHz	QPSK	20775	25RB#0	4.93	13	PASS
Band7	5MHz	16QAM	20775	25RB#0	5.80	13	PASS
Band7	5MHz	QPSK	21100	1RB#0	4.52	13	PASS
Band7	5MHz	16QAM	21100	1RB#0	5.22	13	PASS
Band7	5MHz	QPSK	21100	25RB#0	5.25	13	PASS
Band7	5MHz	16QAM	21100	25RB#0	6.14	13	PASS
Band7	5MHz	QPSK	21425	1RB#0	3.59	13	PASS
Band7	5MHz	16QAM	21425	1RB#0	4.55	13	PASS
Band7	5MHz	QPSK	21425	25RB#0	4.49	13	PASS
Band7	5MHz	16QAM	21425	25RB#0	5.39	13	PASS
Band7	10MHz	QPSK	20800	1RB#0	3.68	13	PASS
Band7	10MHz	16QAM	20800	1RB#0	4.78	13	PASS
Band7	10MHz	QPSK	20800	50RB#0	4.99	13	PASS
Band7	10MHz	16QAM	20800	50RB#0	5.88	13	PASS
Band7	10MHz	QPSK	21100	1RB#0	4.46	13	PASS
Band7	10MHz	16QAM	21100	1RB#0	5.30	13	PASS
Band7	10MHz	QPSK	21100	50RB#0	5.19	13	PASS
Band7	10MHz	16QAM	21100	50RB#0	6.09	13	PASS
Band7	10MHz	QPSK	21400	1RB#0	3.97	13	PASS
Band7	10MHz	16QAM	21400	1RB#0	4.78	13	PASS
Band7	10MHz	QPSK	21400	50RB#0	4.58	13	PASS
Band7	10MHz	16QAM	21400	50RB#0	5.51	13	PASS
Band7	15MHz	QPSK	20825	1RB#0	3.88	13	PASS
Band7	15MHz	16QAM	20825	1RB#0	4.72	13	PASS
Band7	15MHz	QPSK	20825	75RB#0	5.07	13	PASS
Band7	15MHz	16QAM	20825	75RB#0	5.91	13	PASS
Band7	15MHz	QPSK	21100	1RB#0	4.49	13	PASS
Band7	15MHz	16QAM	21100	1RB#0	5.25	13	PASS
Band7	15MHz	QPSK	21100	75RB#0	5.25	13	PASS
Band7	15MHz	16QAM	21100	75RB#0	6.06	13	PASS
Band7	15MHz	QPSK	21375	1RB#0	4.43	13	PASS
Band7	15MHz	16QAM	21375	1RB#0	5.30	13	PASS

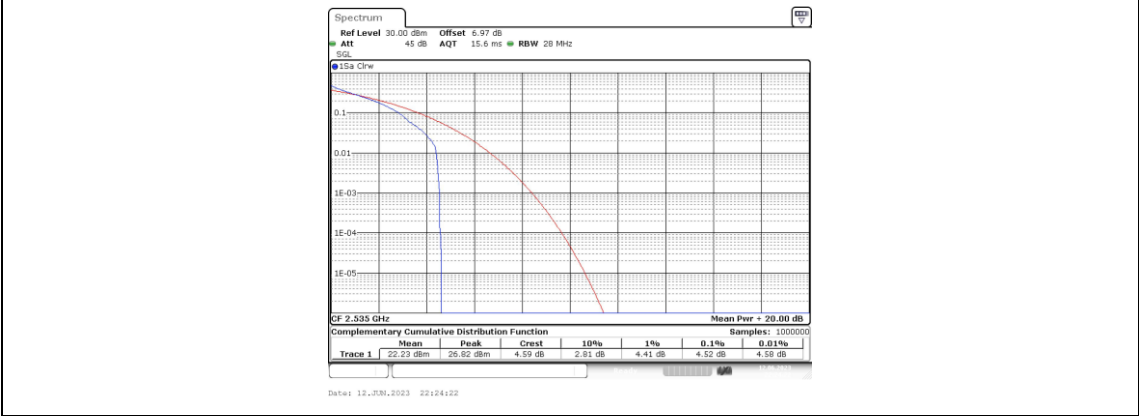
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Band7	15MHz	16QAM	21375	75RB#0	5.80	13	PASS
Band7	20MHz	QPSK	20850	1RB#0	3.86	13	PASS
Band7	20MHz	16QAM	20850	1RB#0	4.64	13	PASS
Band7	20MHz	QPSK	20850	100RB#0	4.96	13	PASS
Band7	20MHz	16QAM	20850	100RB#0	5.88	13	PASS
Band7	20MHz	QPSK	21100	1RB#0	4.49	13	PASS
Band7	20MHz	16QAM	21100	1RB#0	5.45	13	PASS
Band7	20MHz	QPSK	21100	100RB#0	5.04	13	PASS
Band7	20MHz	16QAM	21100	100RB#0	5.97	13	PASS
Band7	20MHz	QPSK	21350	1RB#0	4.46	13	PASS
Band7	20MHz	16QAM	21350	1RB#0	5.19	13	PASS
Band7	20MHz	QPSK	21350	100RB#0	4.84	13	PASS
Band7	20MHz	16QAM	21350	100RB#0	5.80	13	PASS

Test Graphs

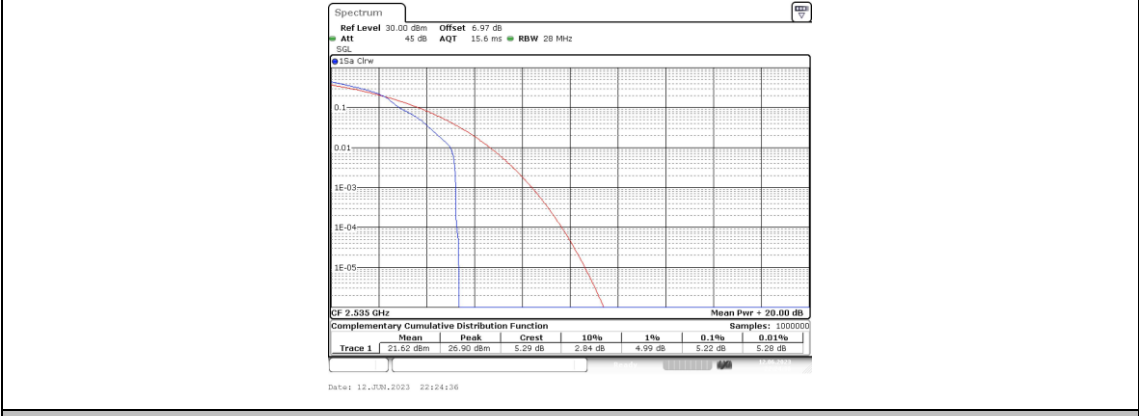




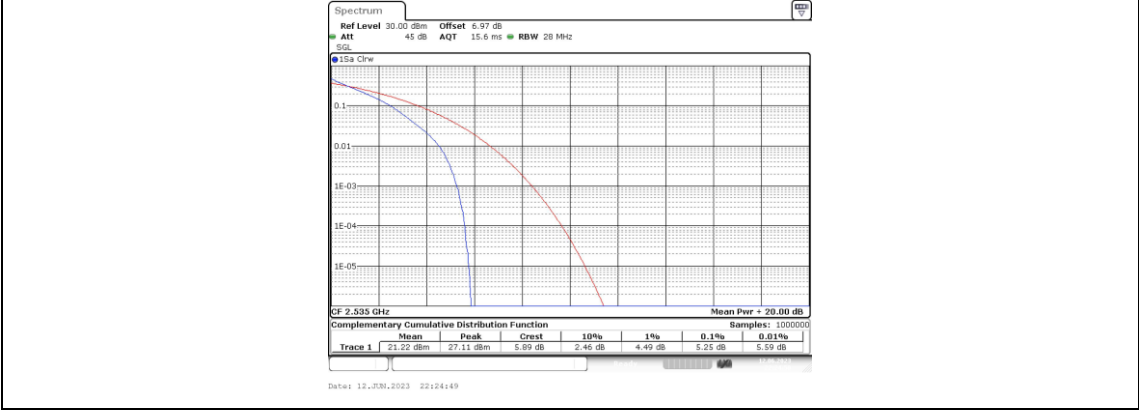
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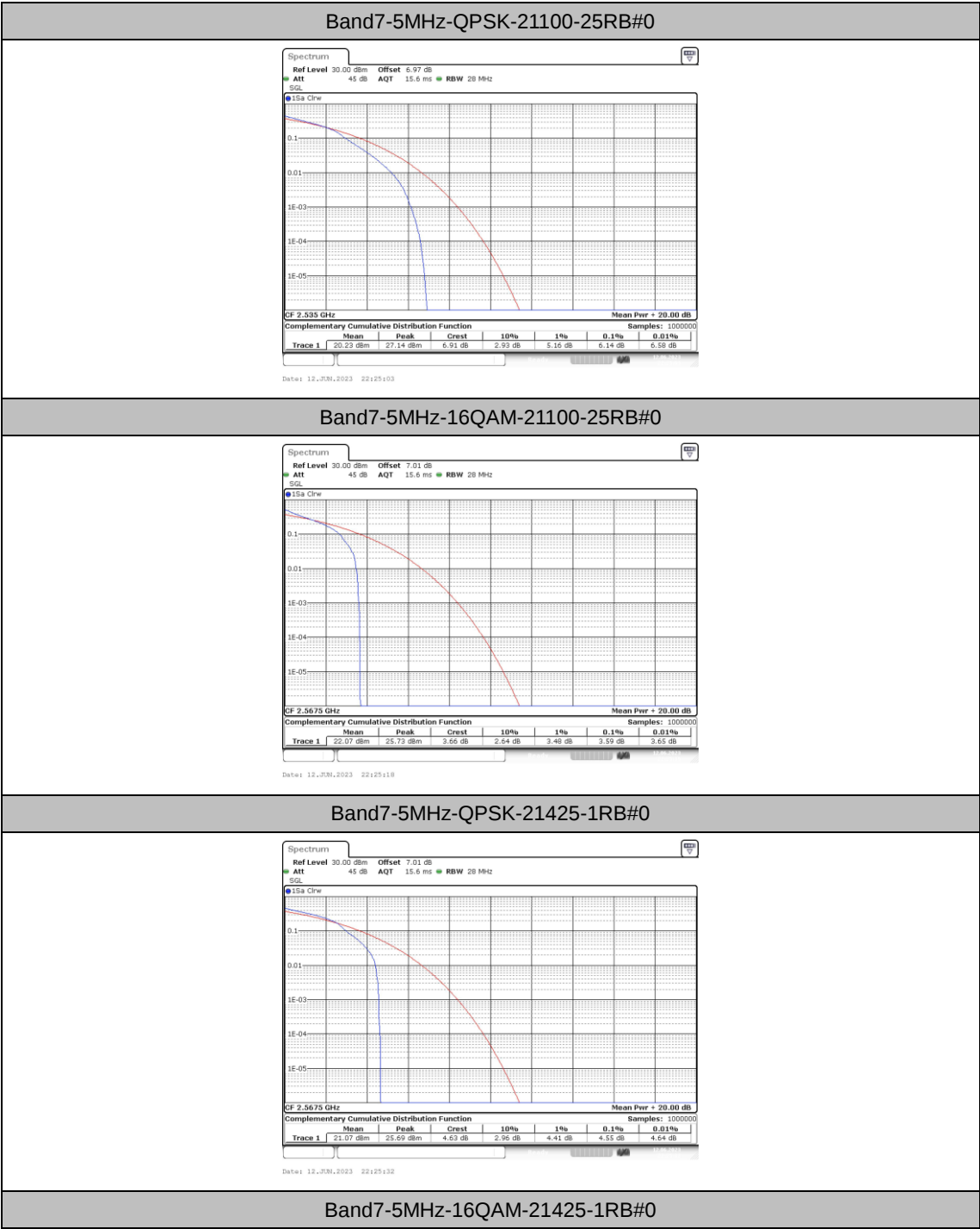


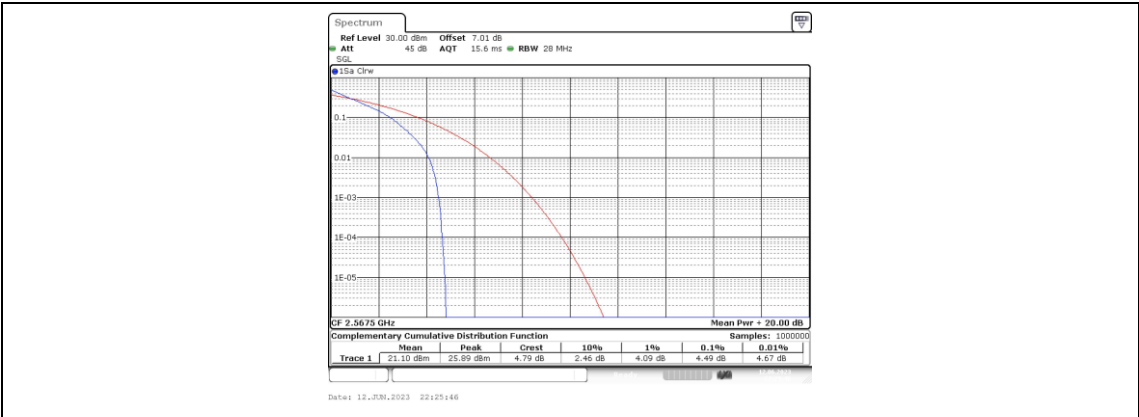
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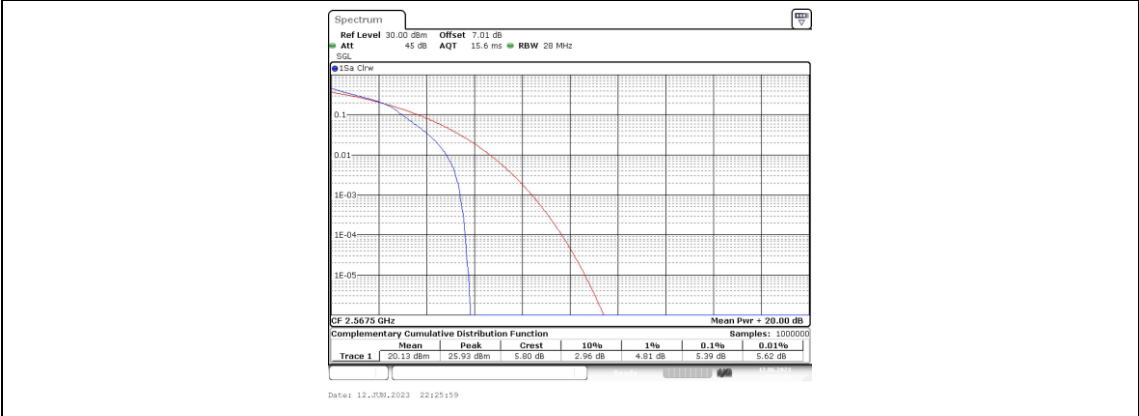
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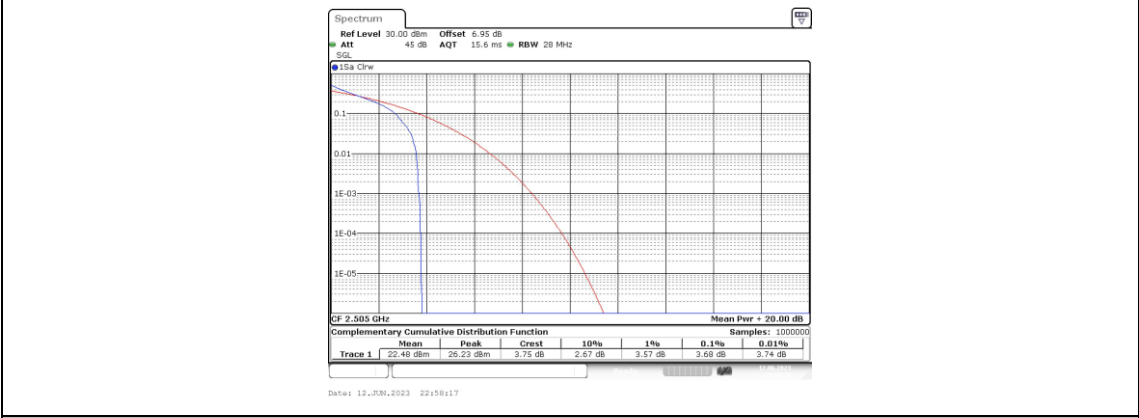




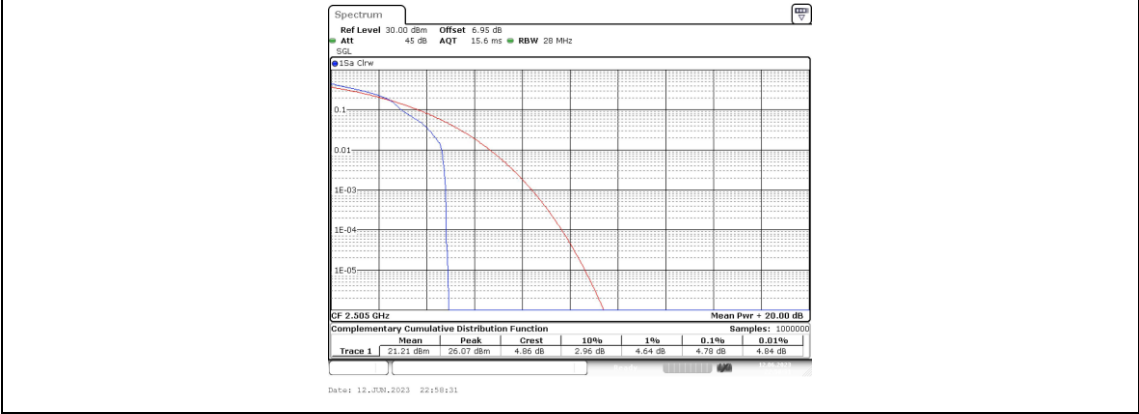
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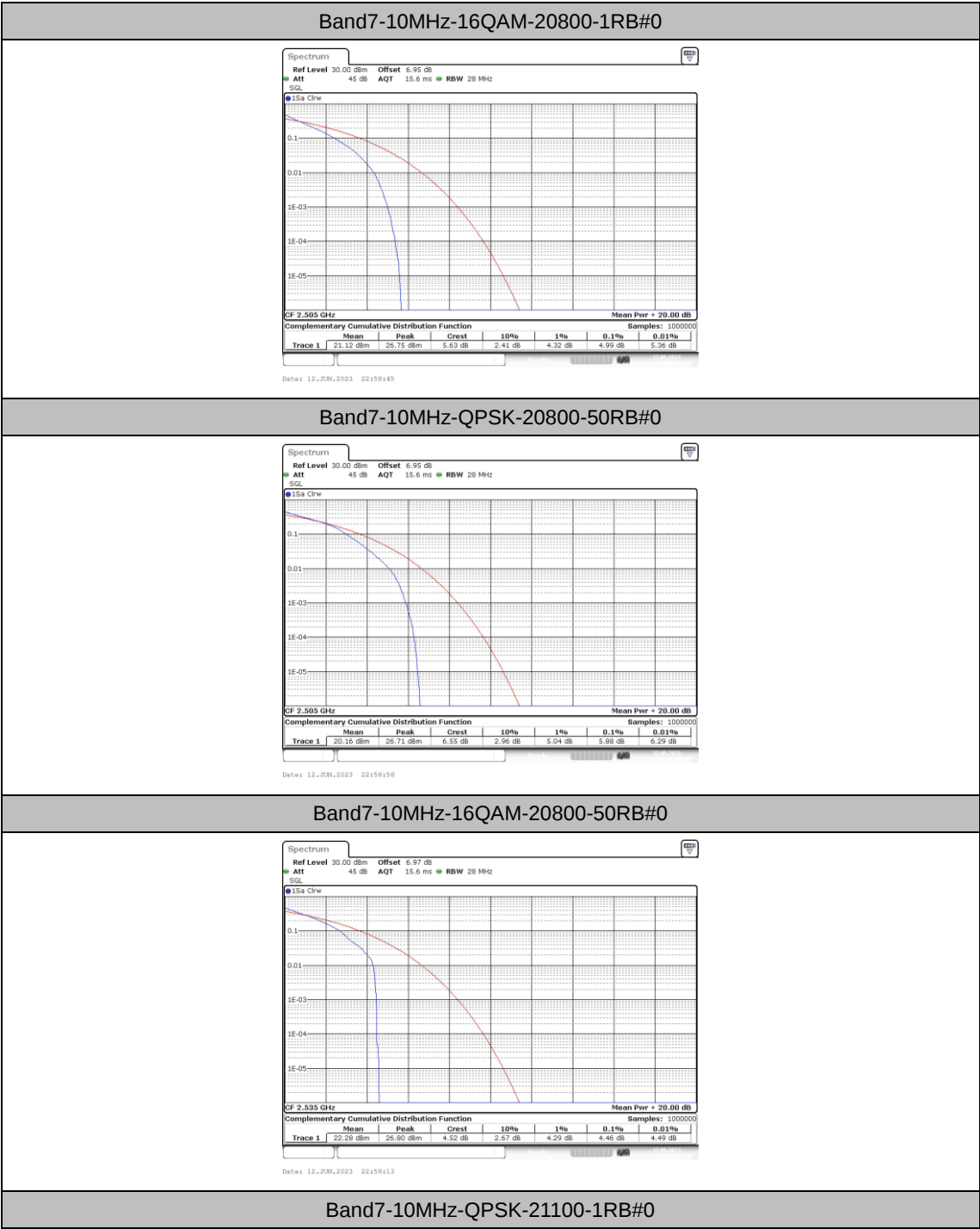


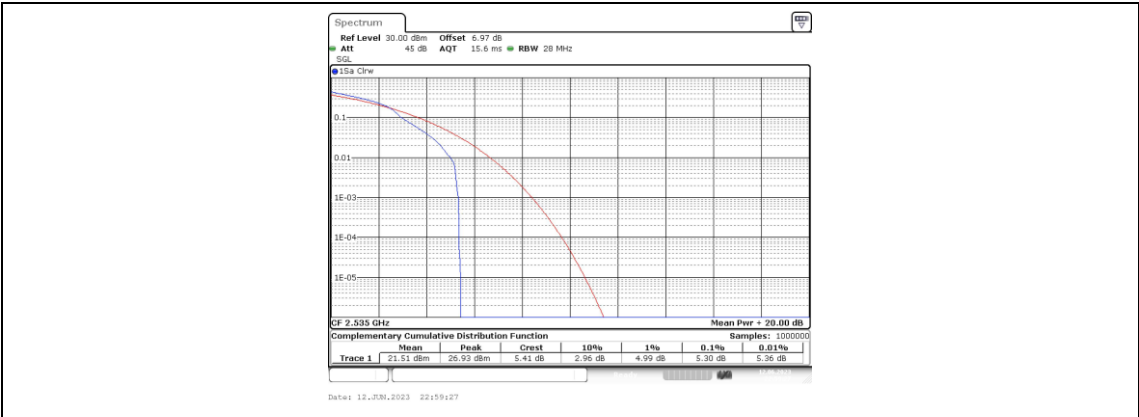
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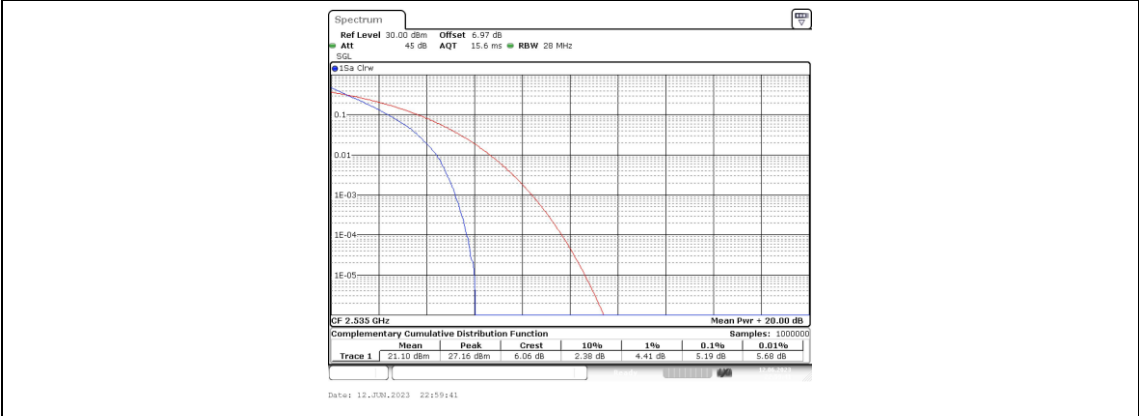
Band7-10MHz-QPSK-20800-1RB#0



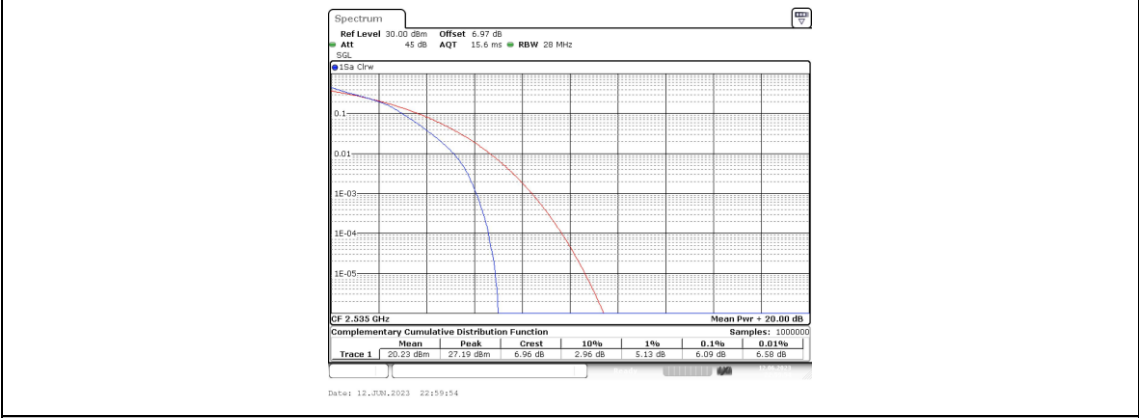




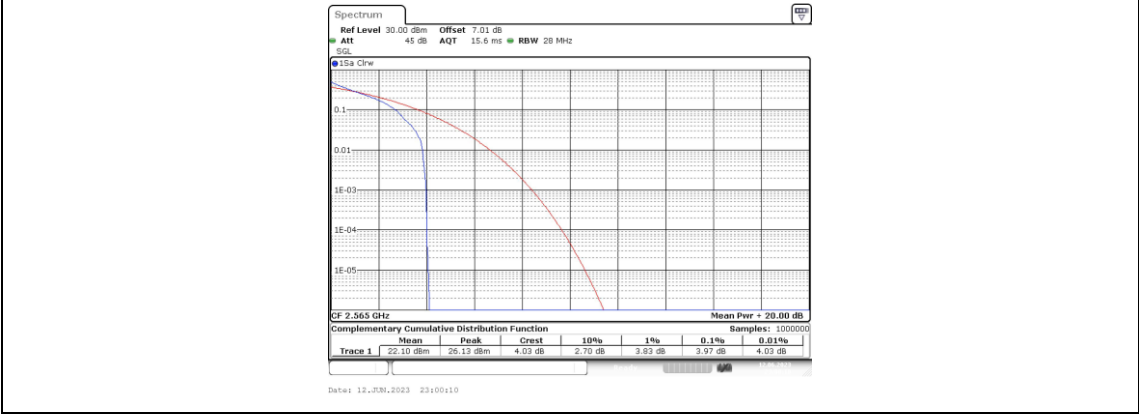
Band7-10MHz-16QAM-21100-1RB#0

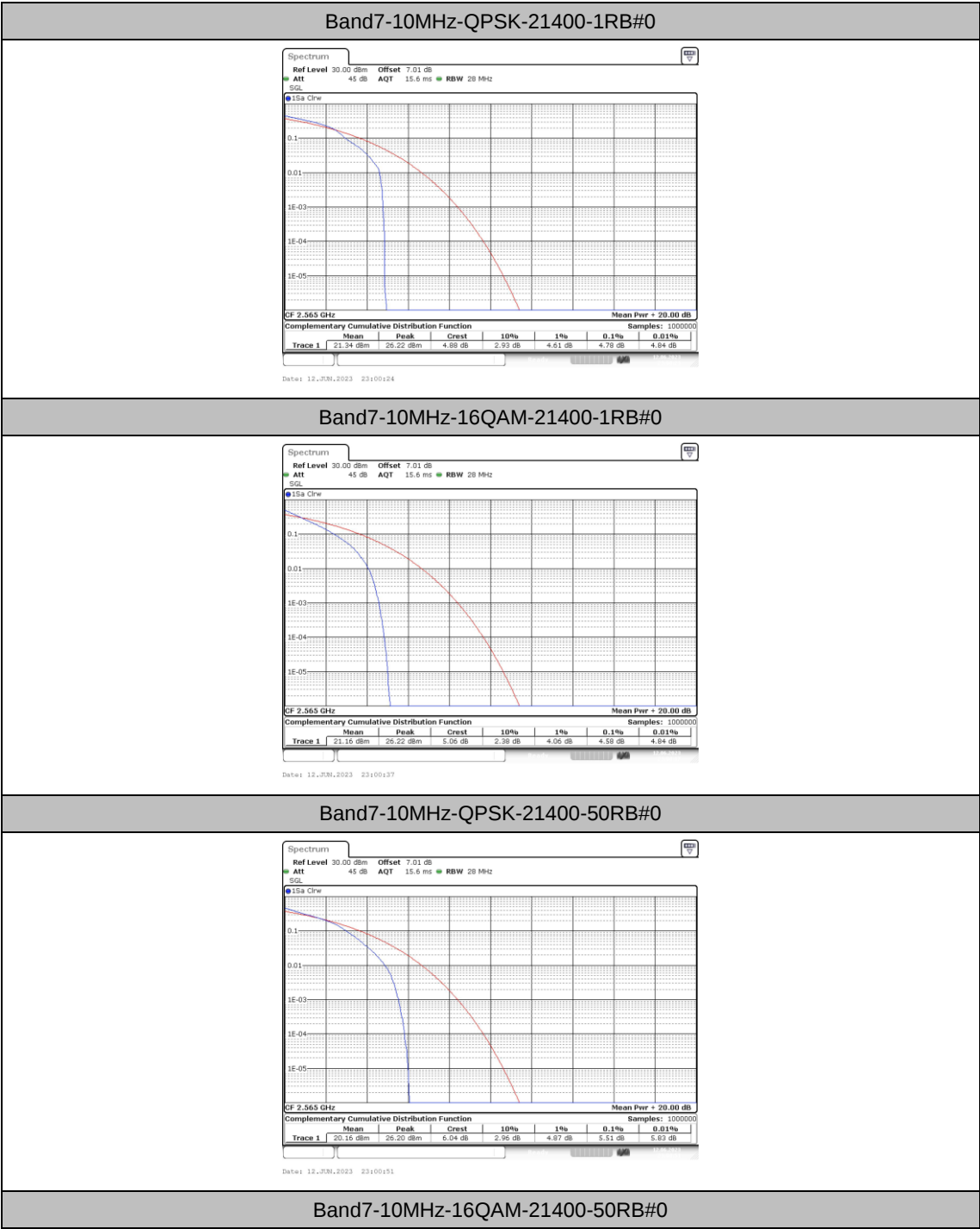


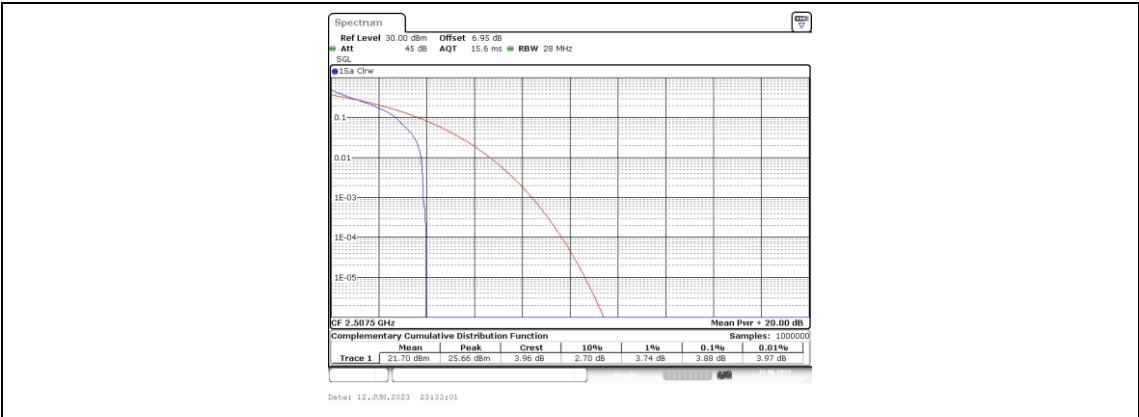
Band7-10MHz-QPSK-21100-50RB#0



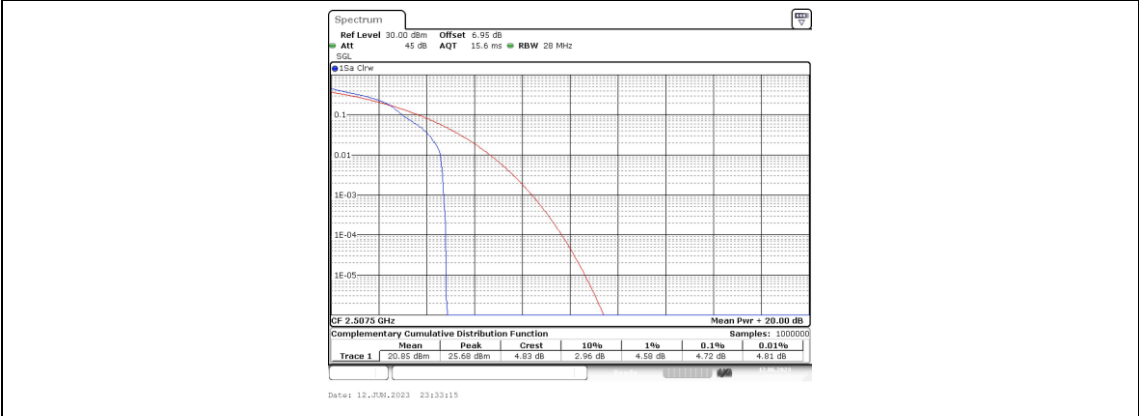
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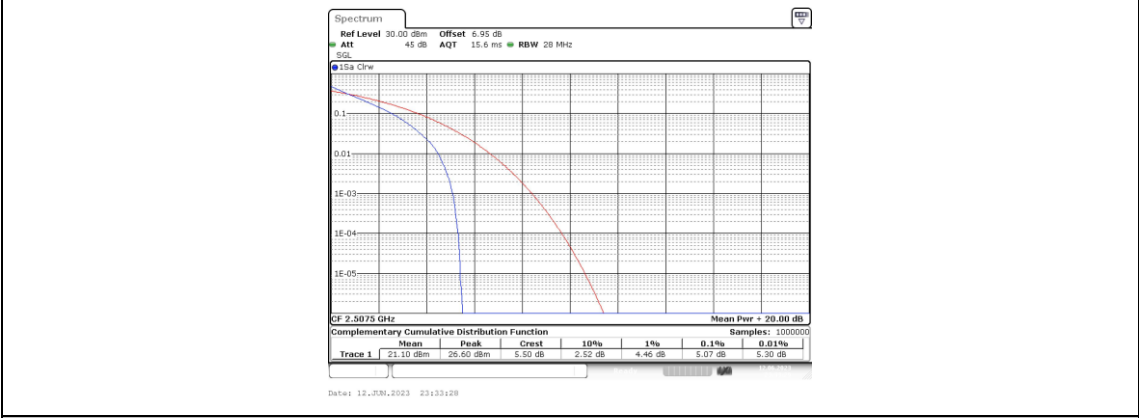




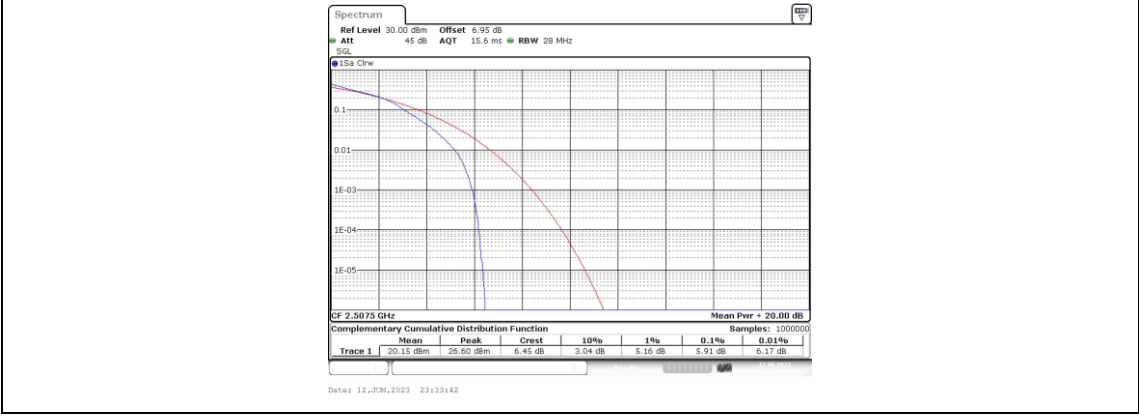
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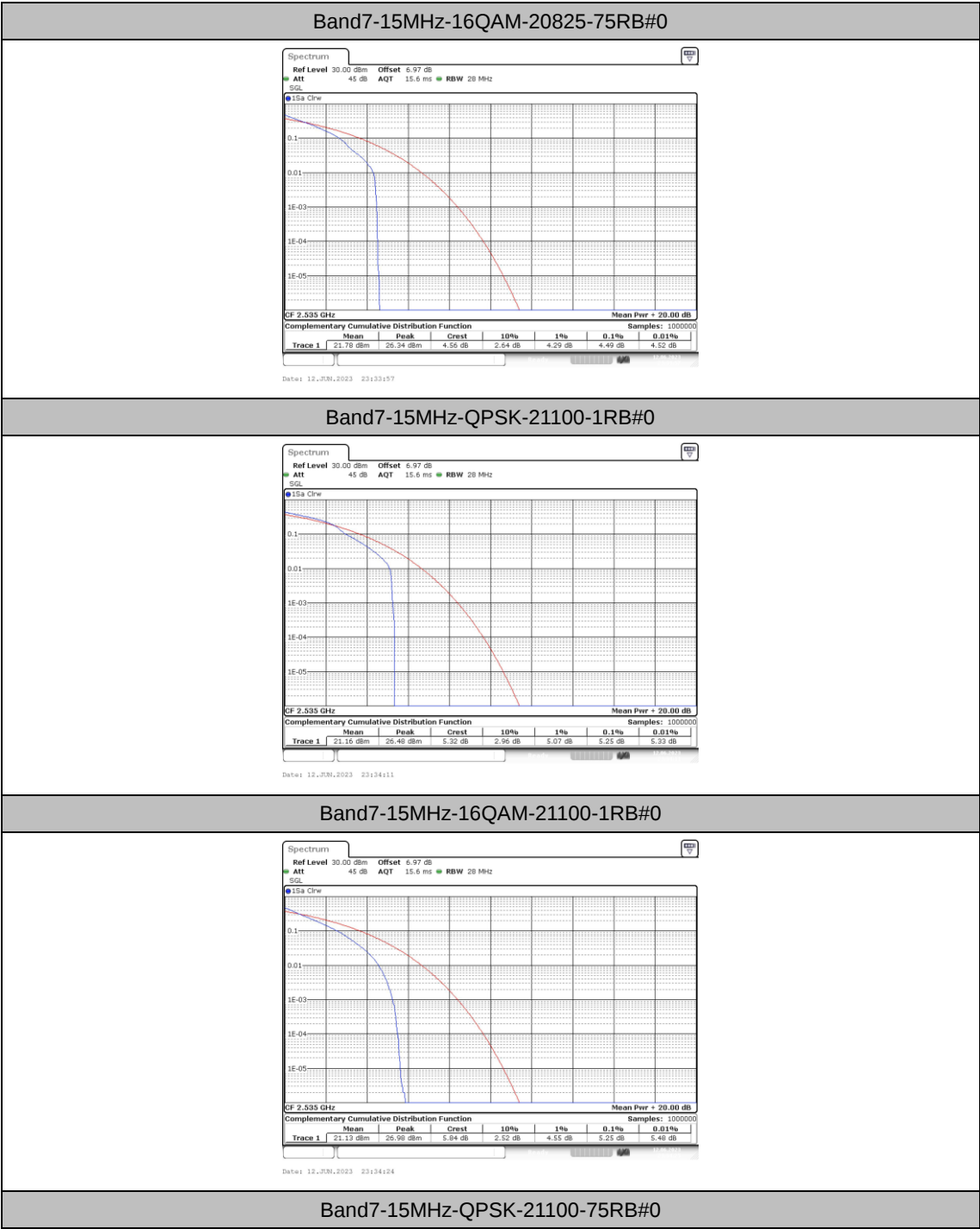


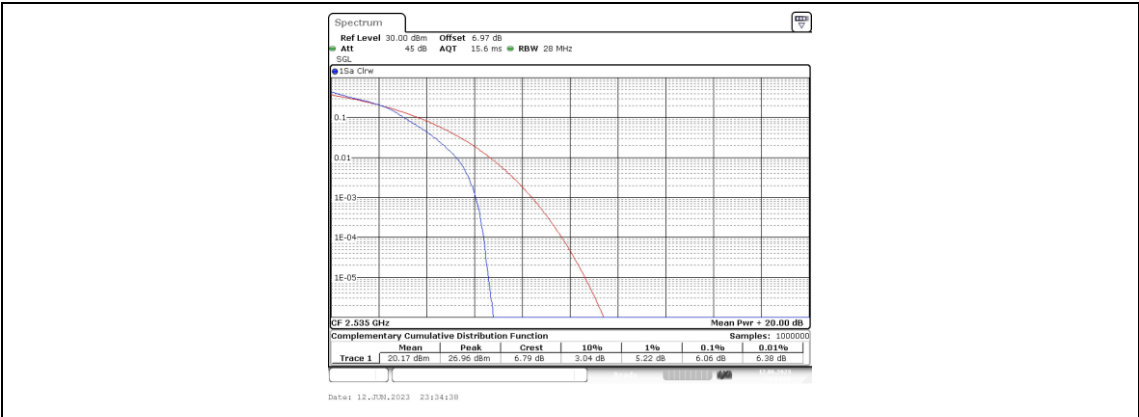
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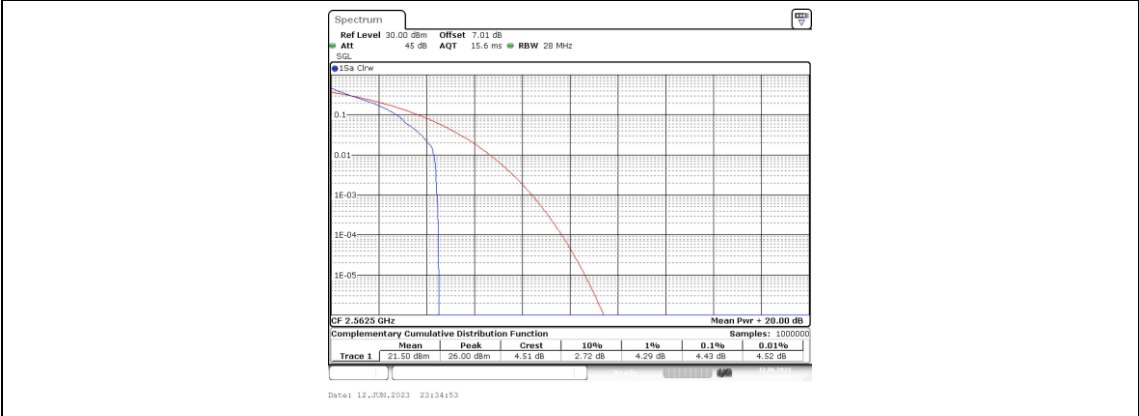
Band7-15MHz-QPSK-20825-75RB#0



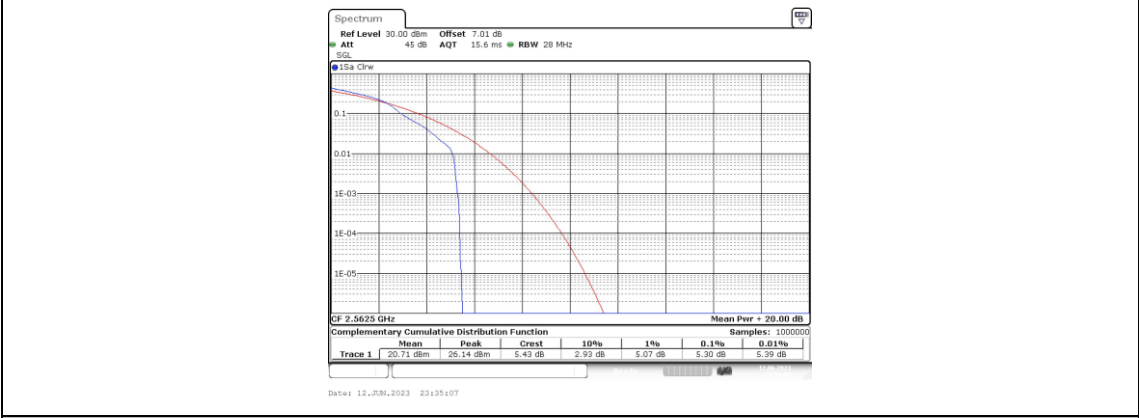




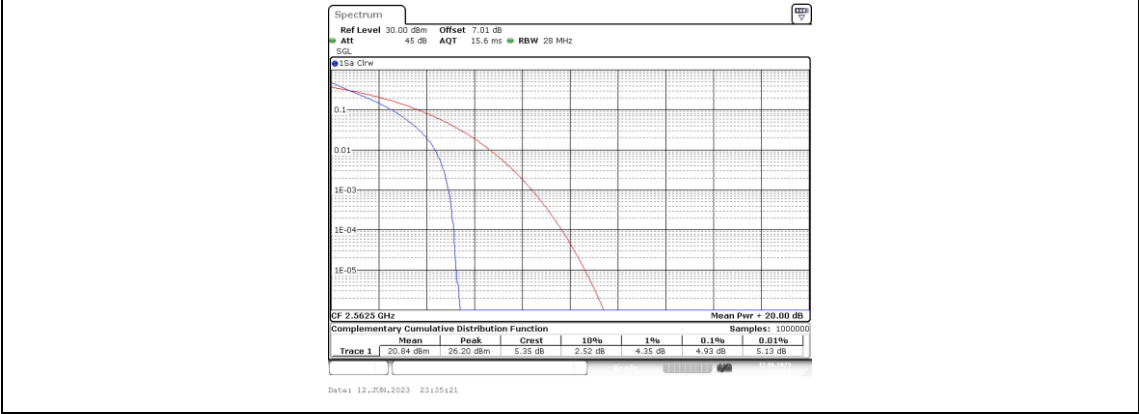
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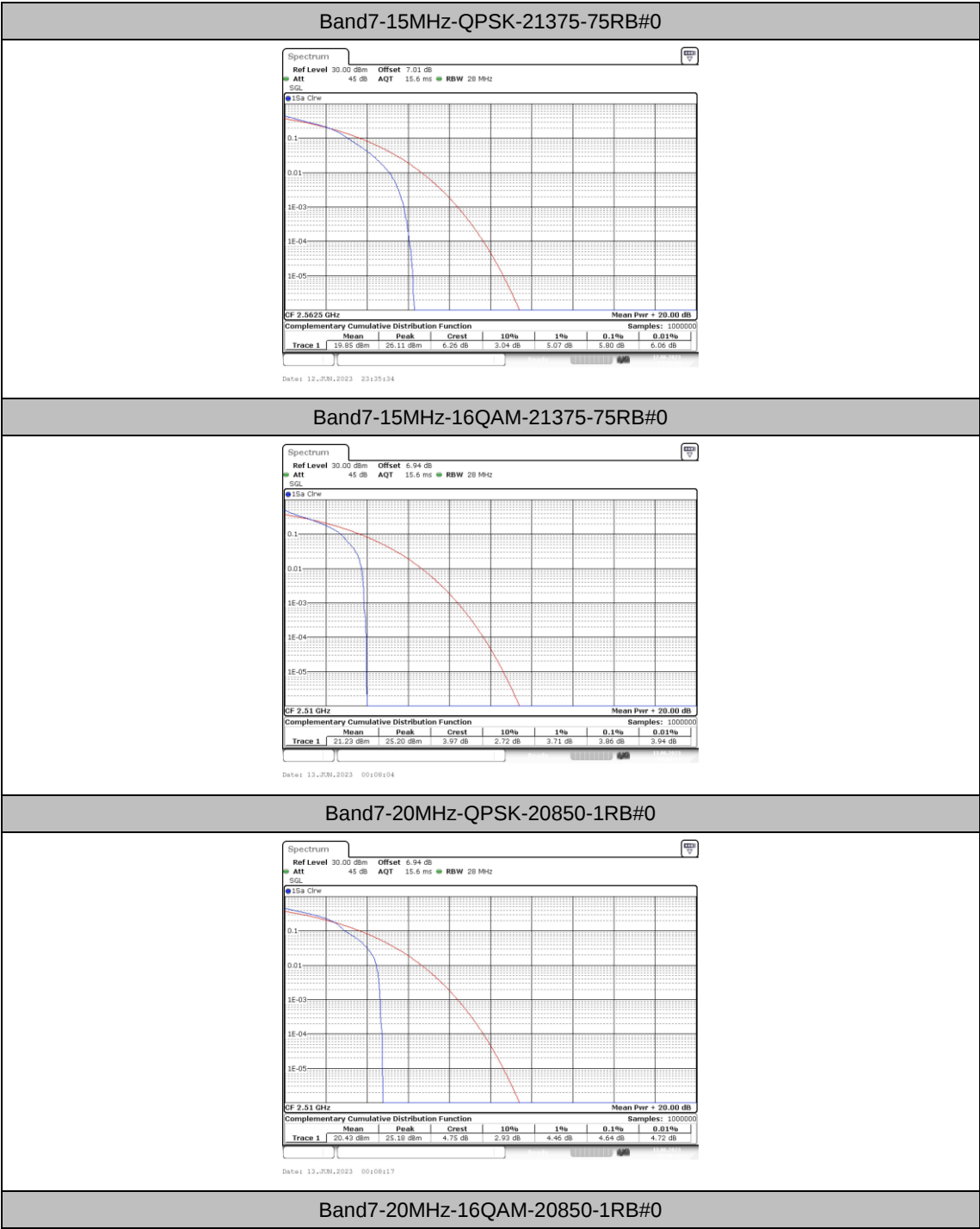


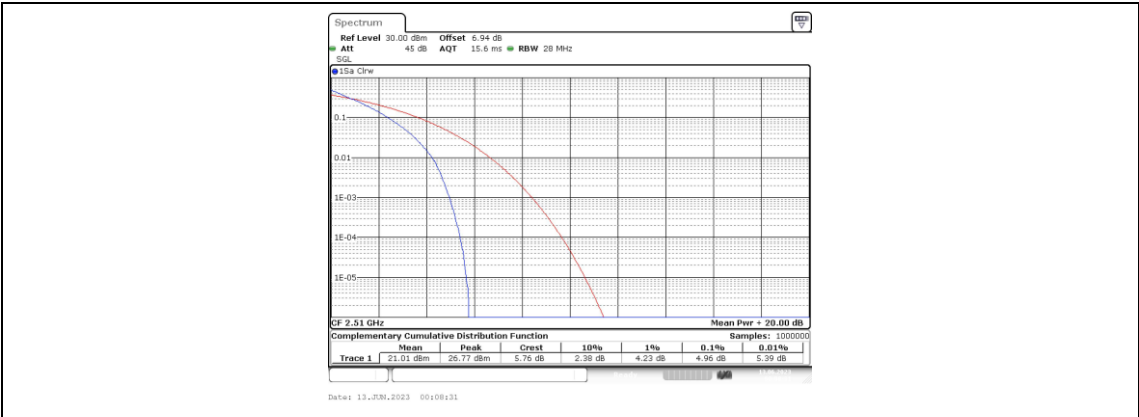
Band7-15MHz-QPSK-21375-1RB#0



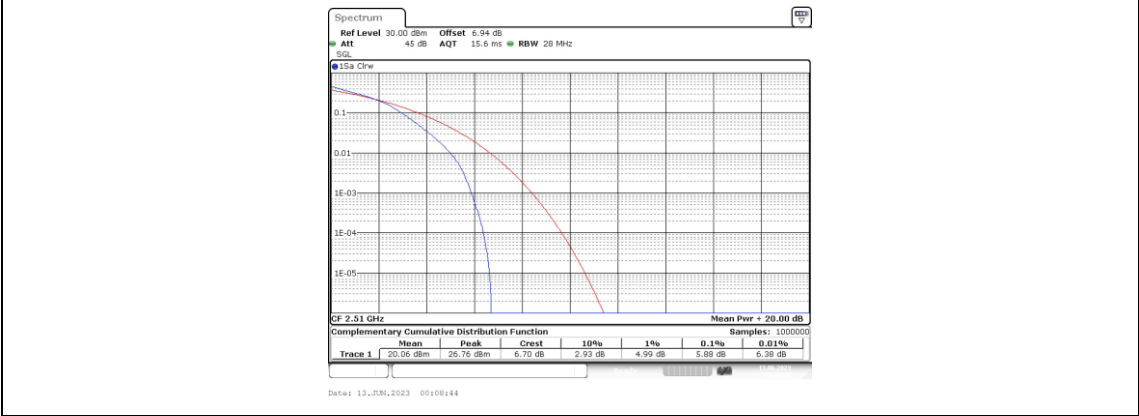
Band7-15MHz-16QAM-21375-1RB#0



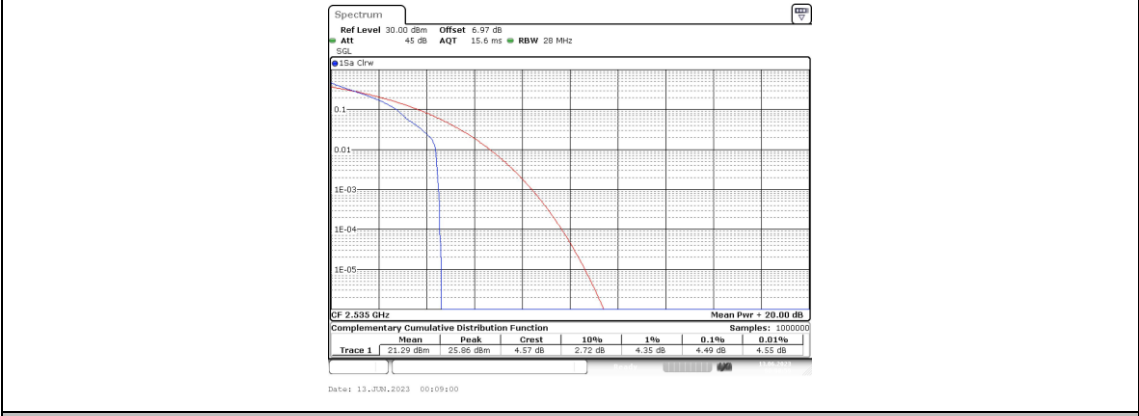




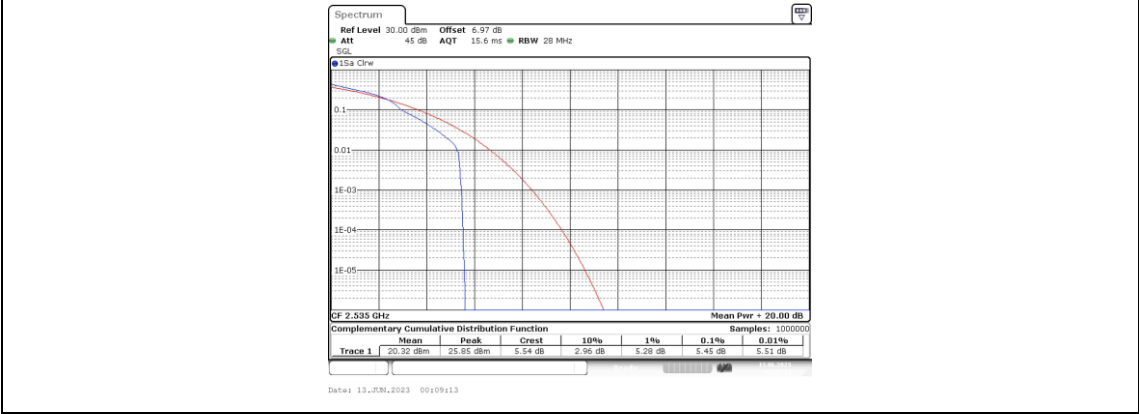
Band7-20MHz-QPSK-20850-100RB#0

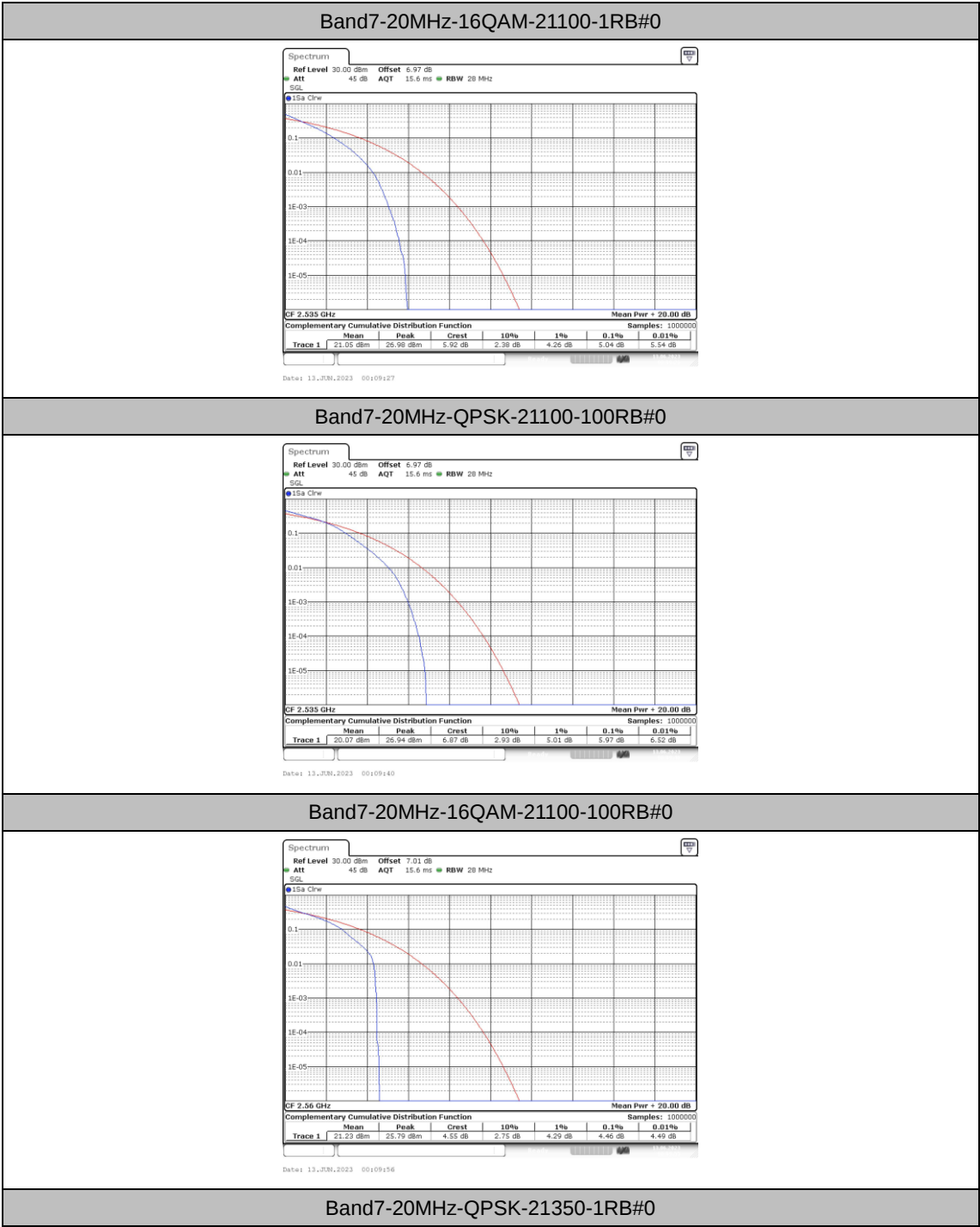


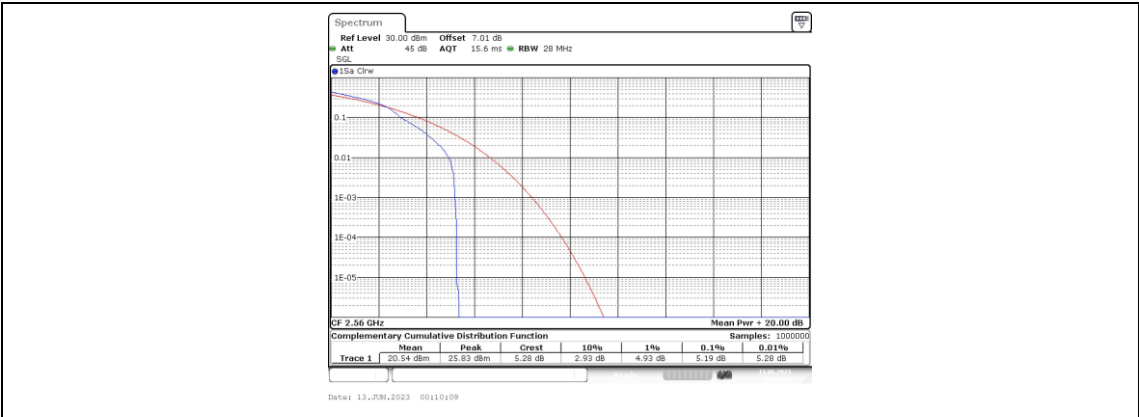
Band7-20MHz-16QAM-20850-100RB#0



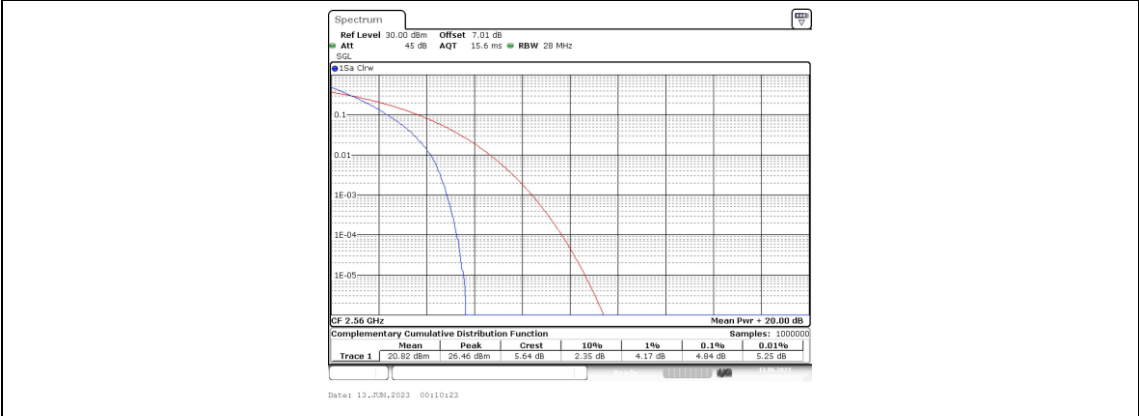
Band7-20MHz-QPSK-21100-1RB#0



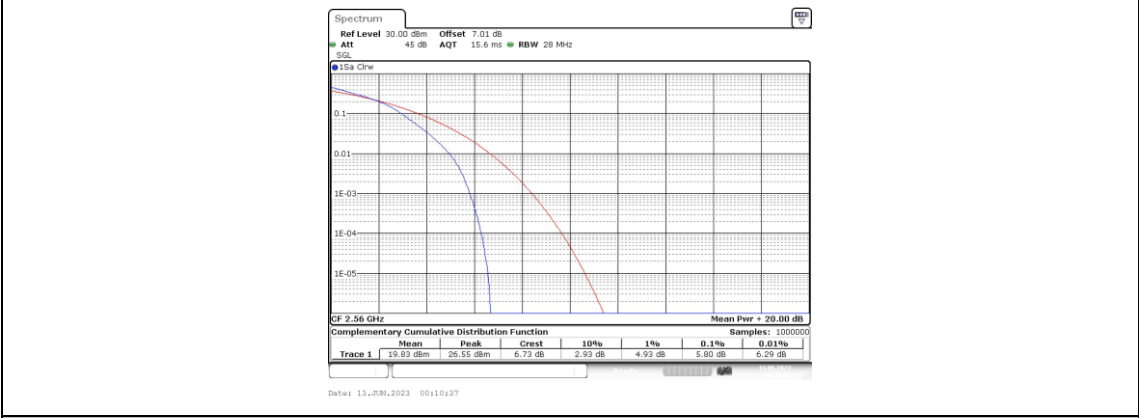




Band7-20MHz-16QAM-21350-1RB#0



Band7-20MHz-QPSK-21350-100RB#0



Band7-20MHz-16QAM-21350-100RB#0

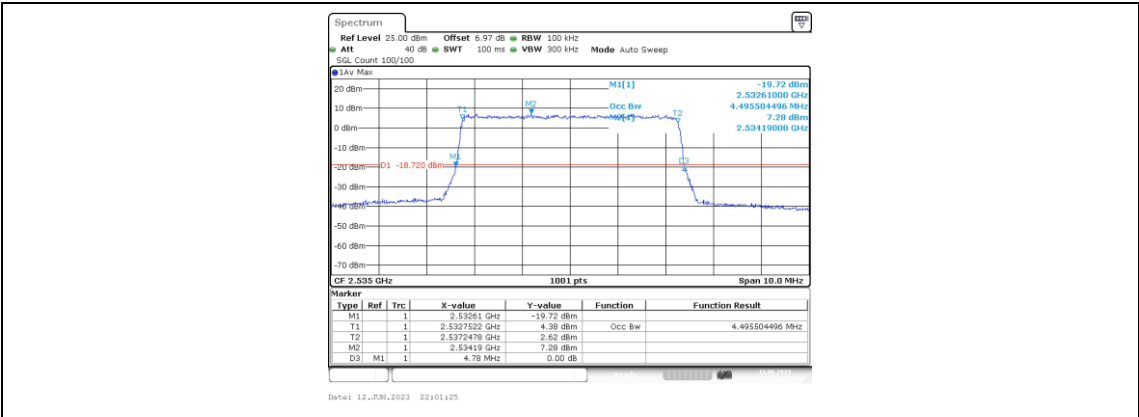
Appendix C: 26dB Bandwidth and Occupied Bandwidth

Test Result

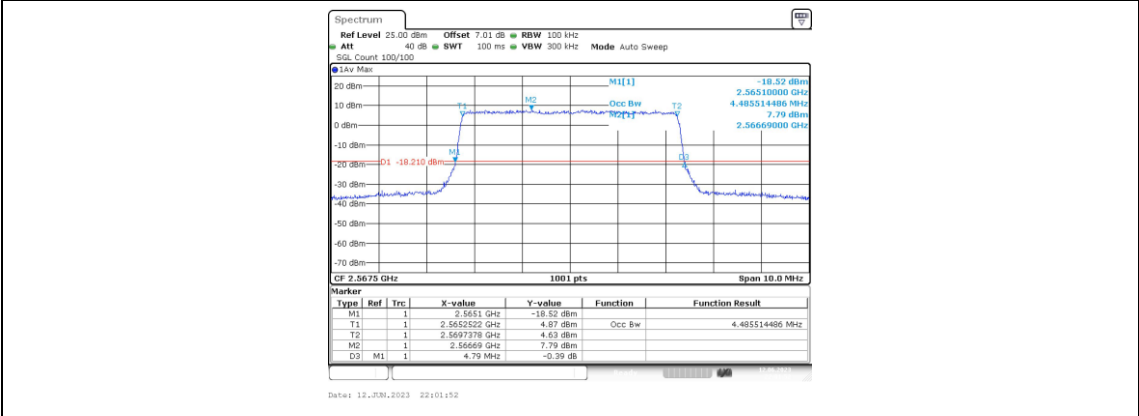
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band7	5MHz	QPSK	20775	25RB#0	4.496	4.80	PASS
Band7	5MHz	16QAM	20775	25RB#0	4.505	4.78	PASS
Band7	5MHz	QPSK	21100	25RB#0	4.496	4.77	PASS
Band7	5MHz	16QAM	21100	25RB#0	4.496	4.78	PASS
Band7	5MHz	QPSK	21425	25RB#0	4.486	4.79	PASS
Band7	5MHz	16QAM	21425	25RB#0	4.505	4.78	PASS
Band7	10MHz	QPSK	20800	50RB#0	8.985	9.53	PASS
Band7	10MHz	16QAM	20800	50RB#0	8.985	9.53	PASS
Band7	10MHz	QPSK	21100	50RB#0	8.985	9.53	PASS
Band7	10MHz	16QAM	21100	50RB#0	8.985	9.53	PASS
Band7	10MHz	QPSK	21400	50RB#0	8.952	9.53	PASS
Band7	10MHz	16QAM	21400	50RB#0	8.985	9.53	PASS
Band7	15MHz	QPSK	20825	75RB#0	13.478	14.30	PASS
Band7	15MHz	16QAM	20825	75RB#0	13.478	14.30	PASS
Band7	15MHz	QPSK	21100	75RB#0	13.428	14.30	PASS
Band7	15MHz	16QAM	21100	75RB#0	13.478	14.30	PASS
Band7	15MHz	QPSK	21375	75RB#0	13.478	14.35	PASS
Band7	15MHz	16QAM	21375	75RB#0	13.478	14.30	PASS
Band7	20MHz	QPSK	20850	100RB#0	17.97	19.33	PASS
Band7	20MHz	16QAM	20850	100RB#0	17.97	19.33	PASS
Band7	20MHz	QPSK	21100	100RB#0	17.97	19.33	PASS
Band7	20MHz	16QAM	21100	100RB#0	17.97	19.33	PASS
Band7	20MHz	QPSK	21350	100RB#0	18.037	19.33	PASS
Band7	20MHz	16QAM	21350	100RB#0	17.97	19.33	PASS

Test Graphs

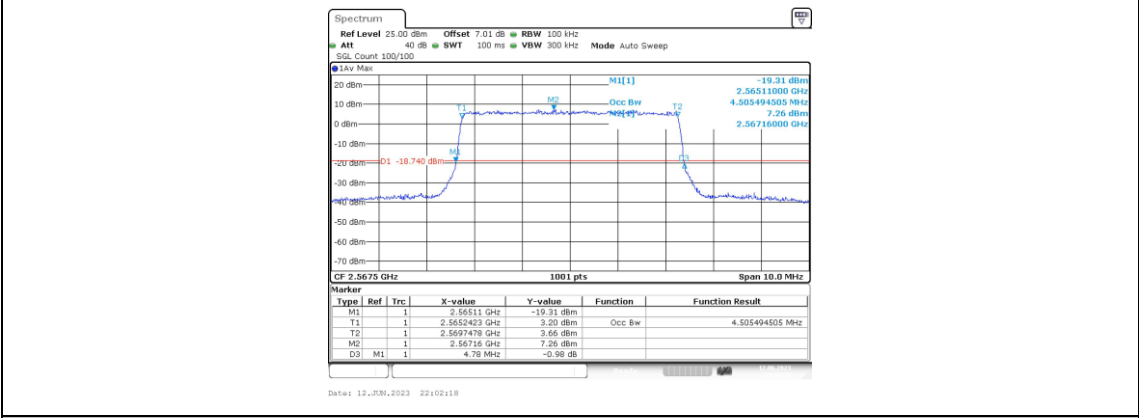




Band7-5MHz-16QAM-21100-25RB#0-4.496



Band7-5MHz-QPSK-21425-25RB#0-4.486



Band7-5MHz-16QAM-21425-25RB#0-4.505

