

Appendix for LTE Band 7

Appendix A: Average Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band7	5MHz	QPSK	20775	1RB#0	22.79	PASS
Band7	5MHz	QPSK	20775	1RB#12	22.69	PASS
Band7	5MHz	QPSK	20775	1RB#24	22.85	PASS
Band7	5MHz	QPSK	20775	12RB#0	21.80	PASS
Band7	5MHz	QPSK	20775	12RB#6	21.81	PASS
Band7	5MHz	QPSK	20775	12RB#13	21.90	PASS
Band7	5MHz	QPSK	20775	25RB#0	21.87	PASS
Band7	5MHz	QPSK	21100	1RB#0	22.79	PASS
Band7	5MHz	QPSK	21100	1RB#12	22.77	PASS
Band7	5MHz	QPSK	21100	1RB#24	22.76	PASS
Band7	5MHz	QPSK	21100	12RB#0	21.72	PASS
Band7	5MHz	QPSK	21100	12RB#6	21.75	PASS
Band7	5MHz	QPSK	21100	12RB#13	21.74	PASS
Band7	5MHz	QPSK	21100	25RB#0	21.71	PASS
Band7	5MHz	QPSK	21425	1RB#0	21.86	PASS
Band7	5MHz	QPSK	21425	1RB#12	22.00	PASS
Band7	5MHz	QPSK	21425	1RB#24	21.87	PASS
Band7	5MHz	QPSK	21425	12RB#0	20.93	PASS
Band7	5MHz	QPSK	21425	12RB#6	20.98	PASS
Band7	5MHz	QPSK	21425	12RB#13	20.95	PASS
Band7	5MHz	QPSK	21425	25RB#0	20.98	PASS
Band7	5MHz	16QAM	20775	1RB#0	21.78	PASS
Band7	5MHz	16QAM	20775	1RB#12	21.95	PASS
Band7	5MHz	16QAM	20775	1RB#24	21.86	PASS
Band7	5MHz	16QAM	20775	12RB#0	20.78	PASS
Band7	5MHz	16QAM	20775	12RB#6	20.82	PASS

Band7	5MHz	16QAM	20775	12RB#13	20.91	PASS
Band7	5MHz	16QAM	20775	25RB#0	20.85	PASS
Band7	5MHz	16QAM	21100	1RB#0	22.04	PASS
Band7	5MHz	16QAM	21100	1RB#12	21.96	PASS
Band7	5MHz	16QAM	21100	1RB#24	22.08	PASS
Band7	5MHz	16QAM	21100	12RB#0	20.81	PASS
Band7	5MHz	16QAM	21100	12RB#6	20.80	PASS
Band7	5MHz	16QAM	21100	12RB#13	20.80	PASS
Band7	5MHz	16QAM	21100	25RB#0	20.66	PASS
Band7	5MHz	16QAM	21425	1RB#0	21.09	PASS
Band7	5MHz	16QAM	21425	1RB#12	21.12	PASS
Band7	5MHz	16QAM	21425	1RB#24	21.06	PASS
Band7	5MHz	16QAM	21425	12RB#0	19.96	PASS
Band7	5MHz	16QAM	21425	12RB#6	19.96	PASS
Band7	5MHz	16QAM	21425	12RB#13	20.06	PASS
Band7	5MHz	16QAM	21425	25RB#0	20.07	PASS
Band7	10MHz	QPSK	20800	1RB#0	22.70	PASS
Band7	10MHz	QPSK	20800	1RB#24	22.71	PASS
Band7	10MHz	QPSK	20800	1RB#49	22.63	PASS
Band7	10MHz	QPSK	20800	25RB#0	21.85	PASS
Band7	10MHz	QPSK	20800	25RB#12	21.90	PASS
Band7	10MHz	QPSK	20800	25RB#25	21.74	PASS
Band7	10MHz	QPSK	20800	50RB#0	21.83	PASS
Band7	10MHz	QPSK	21100	1RB#0	22.73	PASS
Band7	10MHz	QPSK	21100	1RB#24	22.71	PASS
Band7	10MHz	QPSK	21100	1RB#49	22.61	PASS
Band7	10MHz	QPSK	21100	25RB#0	21.87	PASS
Band7	10MHz	QPSK	21100	25RB#12	21.83	PASS
Band7	10MHz	QPSK	21100	25RB#25	21.70	PASS
Band7	10MHz	QPSK	21100	50RB#0	21.74	PASS
Band7	10MHz	QPSK	21400	1RB#0	22.00	PASS
Band7	10MHz	QPSK	21400	1RB#24	21.86	PASS
Band7	10MHz	QPSK	21400	1RB#49	21.84	PASS
Band7	10MHz	QPSK	21400	25RB#0	21.09	PASS
Band7	10MHz	QPSK	21400	25RB#12	21.16	PASS
Band7	10MHz	QPSK	21400	25RB#25	21.06	PASS

Band7	10MHz	QPSK	21400	50RB#0	21.08	PASS
Band7	10MHz	16QAM	20800	1RB#0	22.08	PASS
Band7	10MHz	16QAM	20800	1RB#24	22.04	PASS
Band7	10MHz	16QAM	20800	1RB#49	22.14	PASS
Band7	10MHz	16QAM	20800	25RB#0	20.85	PASS
Band7	10MHz	16QAM	20800	25RB#12	20.85	PASS
Band7	10MHz	16QAM	20800	25RB#25	20.78	PASS
Band7	10MHz	16QAM	20800	50RB#0	20.78	PASS
Band7	10MHz	16QAM	21100	1RB#0	22.07	PASS
Band7	10MHz	16QAM	21100	1RB#24	21.91	PASS
Band7	10MHz	16QAM	21100	1RB#49	21.94	PASS
Band7	10MHz	16QAM	21100	25RB#0	20.89	PASS
Band7	10MHz	16QAM	21100	25RB#12	20.92	PASS
Band7	10MHz	16QAM	21100	25RB#25	20.78	PASS
Band7	10MHz	16QAM	21100	50RB#0	20.76	PASS
Band7	10MHz	16QAM	21400	1RB#0	21.05	PASS
Band7	10MHz	16QAM	21400	1RB#24	21.00	PASS
Band7	10MHz	16QAM	21400	1RB#49	20.85	PASS
Band7	10MHz	16QAM	21400	25RB#0	20.17	PASS
Band7	10MHz	16QAM	21400	25RB#12	20.21	PASS
Band7	10MHz	16QAM	21400	25RB#25	20.09	PASS
Band7	10MHz	16QAM	21400	50RB#0	20.10	PASS
Band7	15MHz	QPSK	20825	1RB#0	22.52	PASS
Band7	15MHz	QPSK	20825	1RB#38	22.36	PASS
Band7	15MHz	QPSK	20825	1RB#74	22.47	PASS
Band7	15MHz	QPSK	20825	38RB#0	21.63	PASS
Band7	15MHz	QPSK	20825	38RB#18	21.64	PASS
Band7	15MHz	QPSK	20825	38RB#37	21.65	PASS
Band7	15MHz	QPSK	20825	75RB#0	21.62	PASS
Band7	15MHz	QPSK	21100	1RB#0	22.57	PASS
Band7	15MHz	QPSK	21100	1RB#38	22.46	PASS
Band7	15MHz	QPSK	21100	1RB#74	22.34	PASS
Band7	15MHz	QPSK	21100	38RB#0	21.56	PASS
Band7	15MHz	QPSK	21100	38RB#18	21.57	PASS
Band7	15MHz	QPSK	21100	38RB#37	21.55	PASS
Band7	15MHz	QPSK	21100	75RB#0	21.53	PASS

Band7	15MHz	QPSK	21375	1RB#0	21.93	PASS
Band7	15MHz	QPSK	21375	1RB#38	21.79	PASS
Band7	15MHz	QPSK	21375	1RB#74	21.62	PASS
Band7	15MHz	QPSK	21375	38RB#0	21.03	PASS
Band7	15MHz	QPSK	21375	38RB#18	20.99	PASS
Band7	15MHz	QPSK	21375	38RB#37	20.96	PASS
Band7	15MHz	QPSK	21375	75RB#0	20.98	PASS
Band7	15MHz	16QAM	20825	1RB#0	21.84	PASS
Band7	15MHz	16QAM	20825	1RB#38	21.92	PASS
Band7	15MHz	16QAM	20825	1RB#74	21.87	PASS
Band7	15MHz	16QAM	20825	38RB#0	21.66	PASS
Band7	15MHz	16QAM	20825	38RB#18	21.62	PASS
Band7	15MHz	16QAM	20825	38RB#37	21.61	PASS
Band7	15MHz	16QAM	20825	75RB#0	20.62	PASS
Band7	15MHz	16QAM	21100	1RB#0	21.92	PASS
Band7	15MHz	16QAM	21100	1RB#38	21.84	PASS
Band7	15MHz	16QAM	21100	1RB#74	21.70	PASS
Band7	15MHz	16QAM	21100	38RB#0	21.53	PASS
Band7	15MHz	16QAM	21100	38RB#18	21.58	PASS
Band7	15MHz	16QAM	21100	38RB#37	21.57	PASS
Band7	15MHz	16QAM	21100	75RB#0	20.58	PASS
Band7	15MHz	16QAM	21375	1RB#0	21.00	PASS
Band7	15MHz	16QAM	21375	1RB#38	20.83	PASS
Band7	15MHz	16QAM	21375	1RB#74	20.69	PASS
Band7	15MHz	16QAM	21375	38RB#0	21.02	PASS
Band7	15MHz	16QAM	21375	38RB#18	20.96	PASS
Band7	15MHz	16QAM	21375	38RB#37	20.96	PASS
Band7	15MHz	16QAM	21375	75RB#0	19.98	PASS
Band7	20MHz	QPSK	20850	1RB#0	22.66	PASS
Band7	20MHz	QPSK	20850	1RB#49	22.64	PASS
Band7	20MHz	QPSK	20850	1RB#99	22.63	PASS
Band7	20MHz	QPSK	20850	50RB#0	21.72	PASS
Band7	20MHz	QPSK	20850	50RB#25	21.72	PASS
Band7	20MHz	QPSK	20850	50RB#50	21.61	PASS
Band7	20MHz	QPSK	20850	100RB#0	21.69	PASS
Band7	20MHz	QPSK	21100	1RB#0	22.88	PASS

Band7	20MHz	QPSK	21100	1RB#49	22.52	PASS
Band7	20MHz	QPSK	21100	1RB#99	22.33	PASS
Band7	20MHz	QPSK	21100	50RB#0	21.74	PASS
Band7	20MHz	QPSK	21100	50RB#25	21.70	PASS
Band7	20MHz	QPSK	21100	50RB#50	21.53	PASS
Band7	20MHz	QPSK	21100	100RB#0	21.59	PASS
Band7	20MHz	QPSK	21350	1RB#0	22.05	PASS
Band7	20MHz	QPSK	21350	1RB#49	21.82	PASS
Band7	20MHz	QPSK	21350	1RB#99	21.58	PASS
Band7	20MHz	QPSK	21350	50RB#0	21.17	PASS
Band7	20MHz	QPSK	21350	50RB#25	21.23	PASS
Band7	20MHz	QPSK	21350	50RB#50	20.90	PASS
Band7	20MHz	QPSK	21350	100RB#0	21.06	PASS
Band7	20MHz	16QAM	20850	1RB#0	21.82	PASS
Band7	20MHz	16QAM	20850	1RB#49	21.73	PASS
Band7	20MHz	16QAM	20850	1RB#99	21.79	PASS
Band7	20MHz	16QAM	20850	50RB#0	20.71	PASS
Band7	20MHz	16QAM	20850	50RB#25	20.72	PASS
Band7	20MHz	16QAM	20850	50RB#50	20.64	PASS
Band7	20MHz	16QAM	20850	100RB#0	20.63	PASS
Band7	20MHz	16QAM	21100	1RB#0	21.86	PASS
Band7	20MHz	16QAM	21100	1RB#49	21.78	PASS
Band7	20MHz	16QAM	21100	1RB#99	21.62	PASS
Band7	20MHz	16QAM	21100	50RB#0	20.72	PASS
Band7	20MHz	16QAM	21100	50RB#25	20.73	PASS
Band7	20MHz	16QAM	21100	50RB#50	20.55	PASS
Band7	20MHz	16QAM	21100	100RB#0	20.60	PASS
Band7	20MHz	16QAM	21350	1RB#0	21.29	PASS
Band7	20MHz	16QAM	21350	1RB#49	21.00	PASS
Band7	20MHz	16QAM	21350	1RB#99	20.82	PASS
Band7	20MHz	16QAM	21350	50RB#0	20.24	PASS
Band7	20MHz	16QAM	21350	50RB#25	20.25	PASS
Band7	20MHz	16QAM	21350	50RB#50	19.91	PASS
Band7	20MHz	16QAM	21350	100RB#0	20.11	PASS

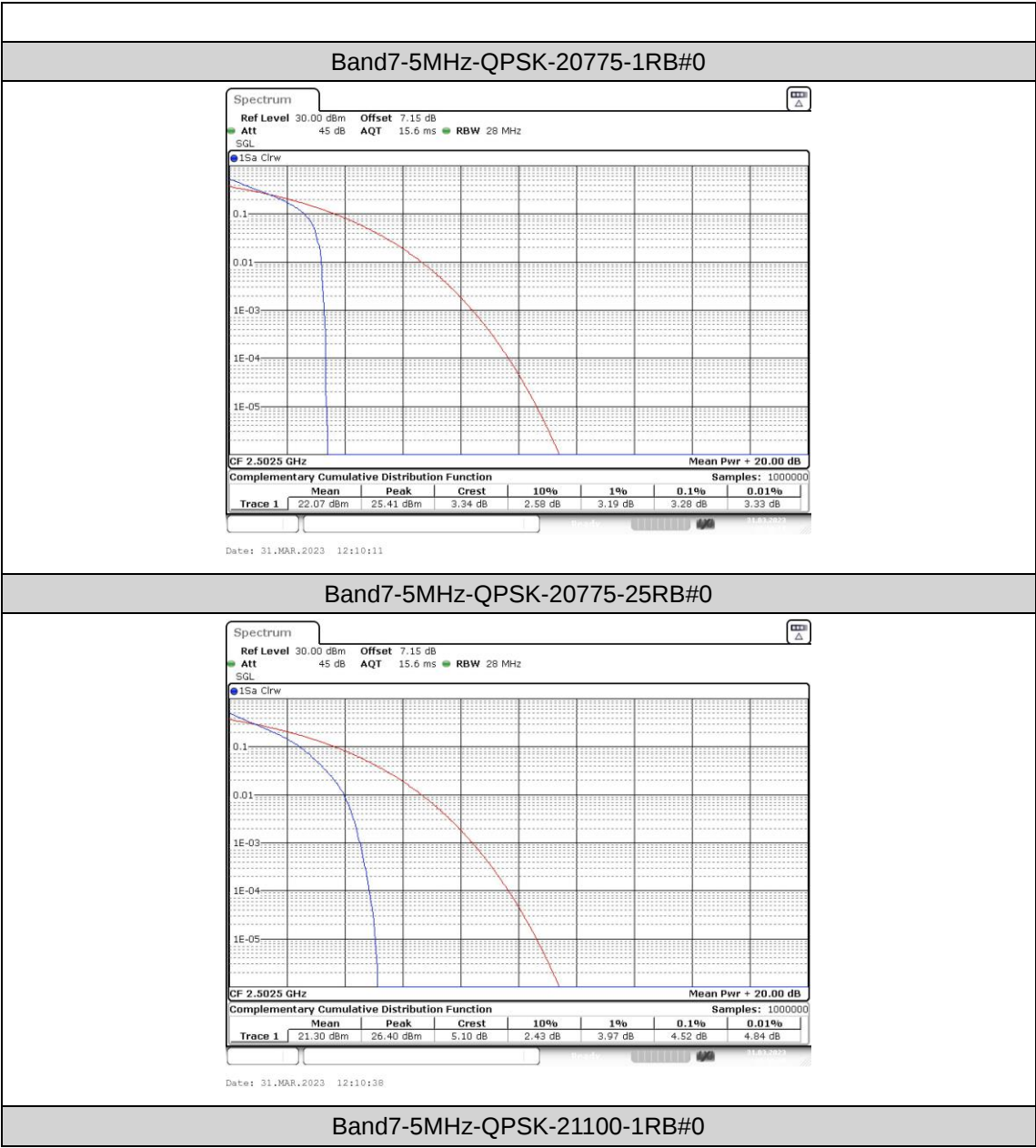
Appendix B: Peak-to-Average Ratio(CCDF)

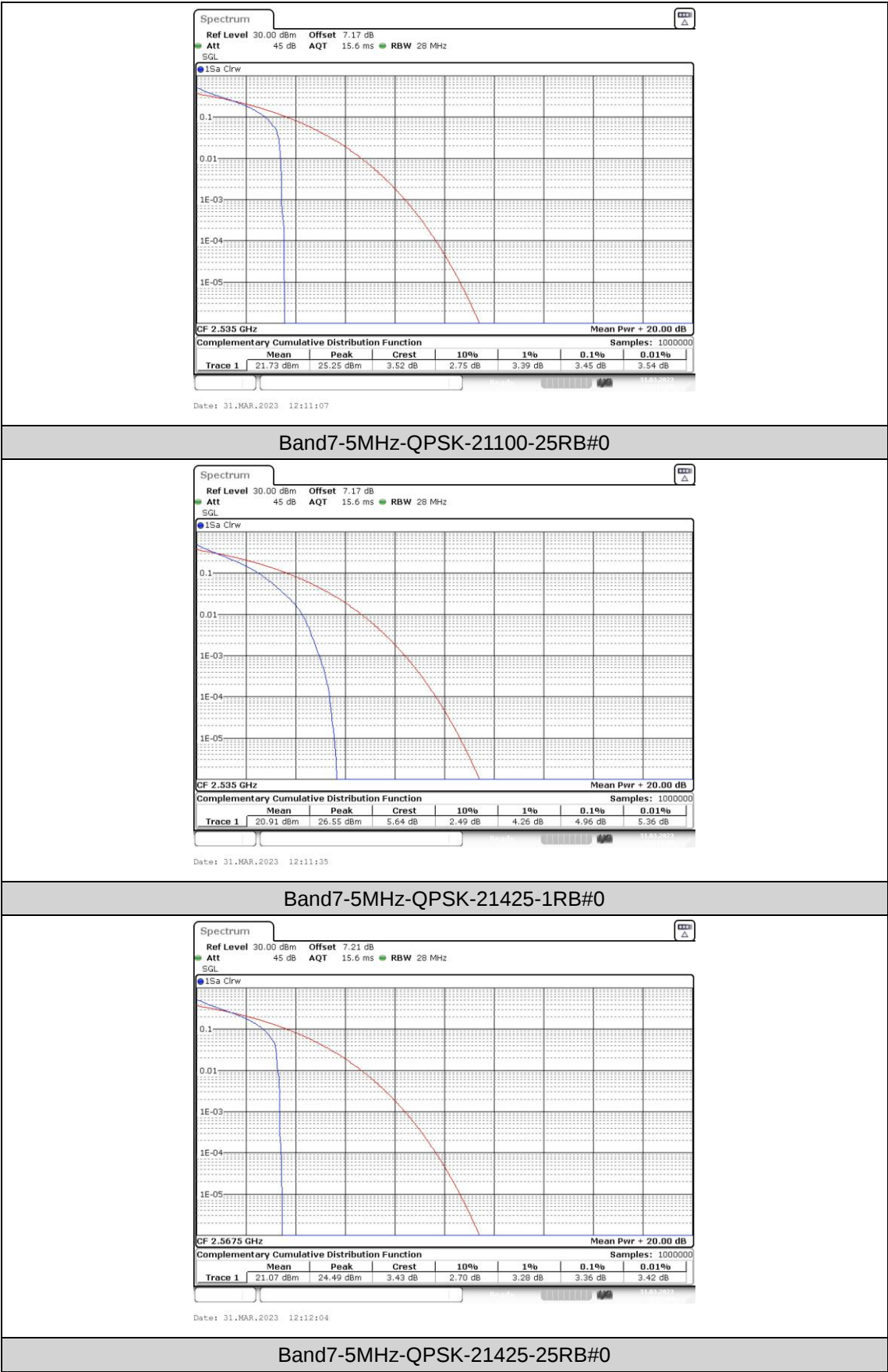
Test Result

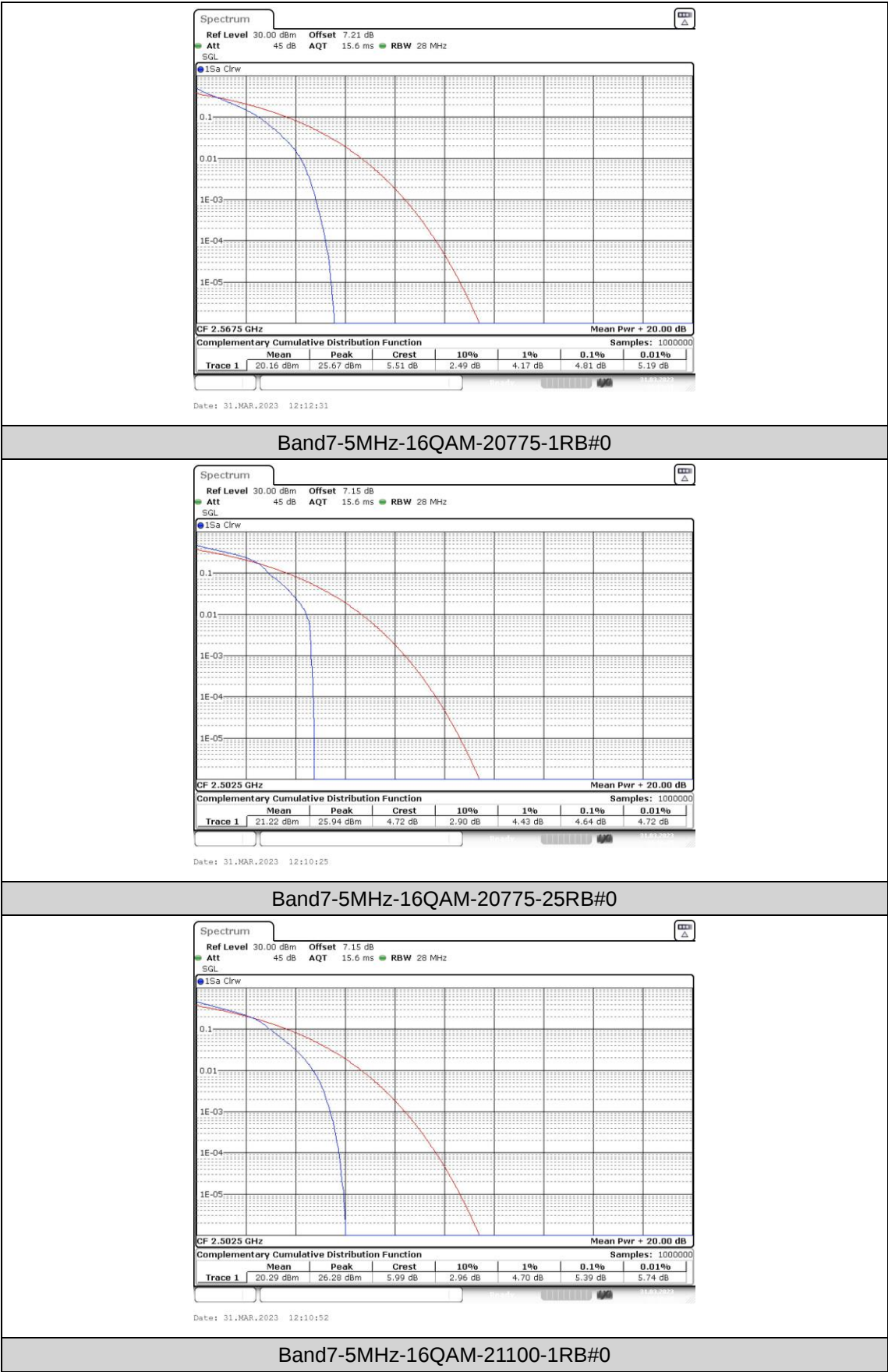
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band7	5MHz	QPSK	20775	1RB#0	3.28	13	PASS
Band7	5MHz	QPSK	20775	25RB#0	4.52	13	PASS
Band7	5MHz	QPSK	21100	1RB#0	3.45	13	PASS
Band7	5MHz	QPSK	21100	25RB#0	4.96	13	PASS
Band7	5MHz	QPSK	21425	1RB#0	3.36	13	PASS
Band7	5MHz	QPSK	21425	25RB#0	4.81	13	PASS
Band7	5MHz	16QAM	20775	1RB#0	4.64	13	PASS
Band7	5MHz	16QAM	20775	25RB#0	5.39	13	PASS
Band7	5MHz	16QAM	21100	1RB#0	4.99	13	PASS
Band7	5MHz	16QAM	21100	25RB#0	5.77	13	PASS
Band7	5MHz	16QAM	21425	1RB#0	4.87	13	PASS
Band7	5MHz	16QAM	21425	25RB#0	5.65	13	PASS
Band7	10MHz	QPSK	20800	1RB#0	3.10	13	PASS
Band7	10MHz	QPSK	20800	50RB#0	4.61	13	PASS
Band7	10MHz	QPSK	21100	1RB#0	3.33	13	PASS
Band7	10MHz	QPSK	21100	50RB#0	4.90	13	PASS
Band7	10MHz	QPSK	21400	1RB#0	3.22	13	PASS
Band7	10MHz	QPSK	21400	50RB#0	4.75	13	PASS
Band7	10MHz	16QAM	20800	1RB#0	4.55	13	PASS
Band7	10MHz	16QAM	20800	50RB#0	5.45	13	PASS
Band7	10MHz	16QAM	21100	1RB#0	4.81	13	PASS
Band7	10MHz	16QAM	21100	50RB#0	5.80	13	PASS
Band7	10MHz	16QAM	21400	1RB#0	4.61	13	PASS
Band7	10MHz	16QAM	21400	50RB#0	5.57	13	PASS
Band7	15MHz	QPSK	20825	1RB#0	3.19	13	PASS
Band7	15MHz	QPSK	20825	75RB#0	4.81	13	PASS
Band7	15MHz	QPSK	21100	1RB#0	3.42	13	PASS
Band7	15MHz	QPSK	21100	75RB#0	5.10	13	PASS
Band7	15MHz	QPSK	21375	1RB#0	3.22	13	PASS
Band7	15MHz	QPSK	21375	75RB#0	4.84	13	PASS
Band7	15MHz	16QAM	20825	1RB#0	4.52	13	PASS
Band7	15MHz	16QAM	20825	75RB#0	5.68	13	PASS
Band7	15MHz	16QAM	21100	1RB#0	4.99	13	PASS
Band7	15MHz	16QAM	21100	75RB#0	5.86	13	PASS

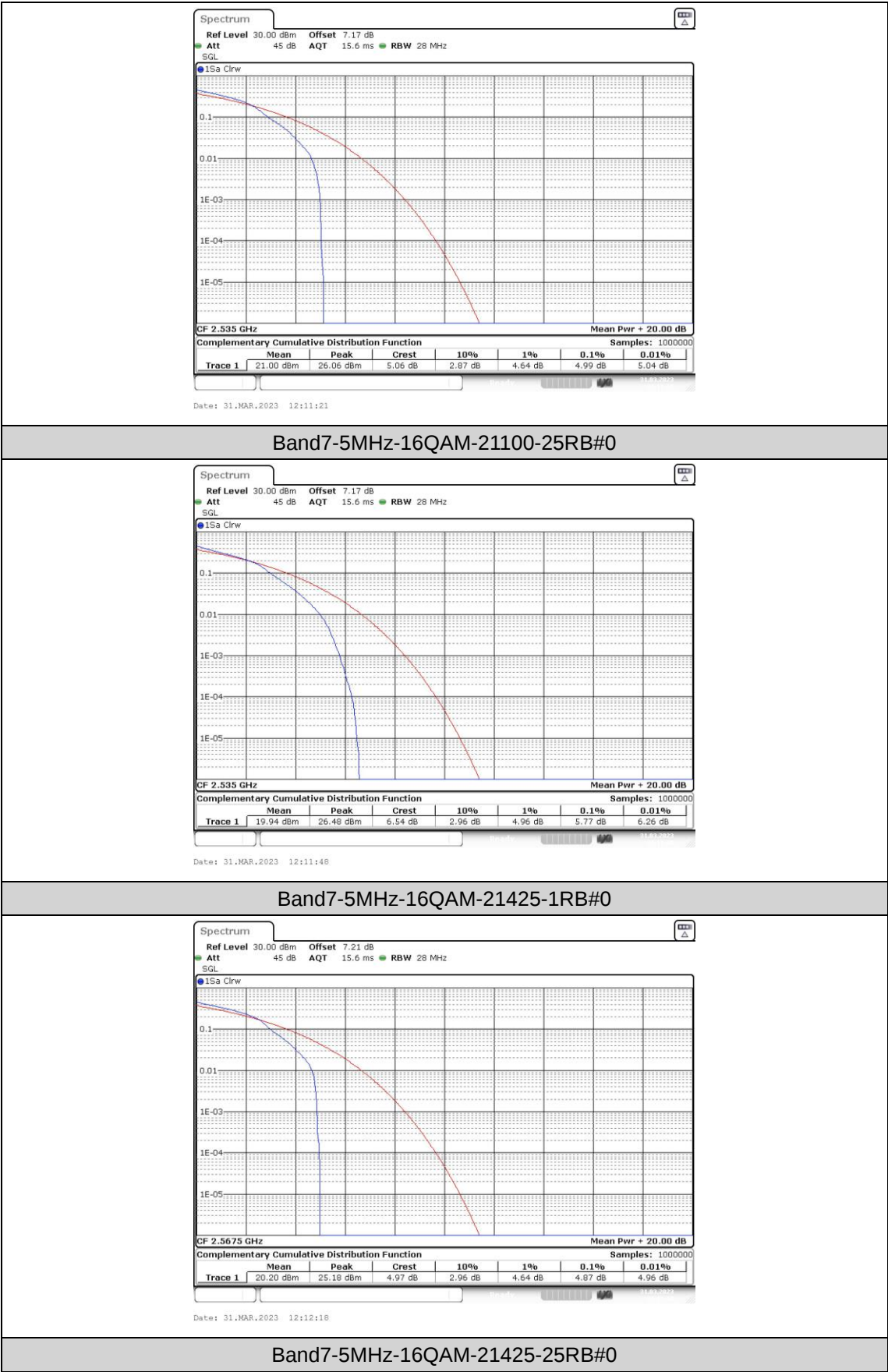
Band7	15MHz	16QAM	21375	1RB#0	4.75	13	PASS
Band7	15MHz	16QAM	21375	75RB#0	5.65	13	PASS
Band7	20MHz	QPSK	20850	1RB#0	3.25	13	PASS
Band7	20MHz	QPSK	20850	100RB#0	4.64	13	PASS
Band7	20MHz	QPSK	21100	1RB#0	3.42	13	PASS
Band7	20MHz	QPSK	21100	100RB#0	4.87	13	PASS
Band7	20MHz	QPSK	21350	1RB#0	3.28	13	PASS
Band7	20MHz	QPSK	21350	100RB#0	4.67	13	PASS
Band7	20MHz	16QAM	20850	1RB#0	4.49	13	PASS
Band7	20MHz	16QAM	20850	100RB#0	5.59	13	PASS
Band7	20MHz	16QAM	21100	1RB#0	5.13	13	PASS
Band7	20MHz	16QAM	21100	100RB#0	5.77	13	PASS
Band7	20MHz	16QAM	21350	1RB#0	4.67	13	PASS
Band7	20MHz	16QAM	21350	100RB#0	5.57	13	PASS

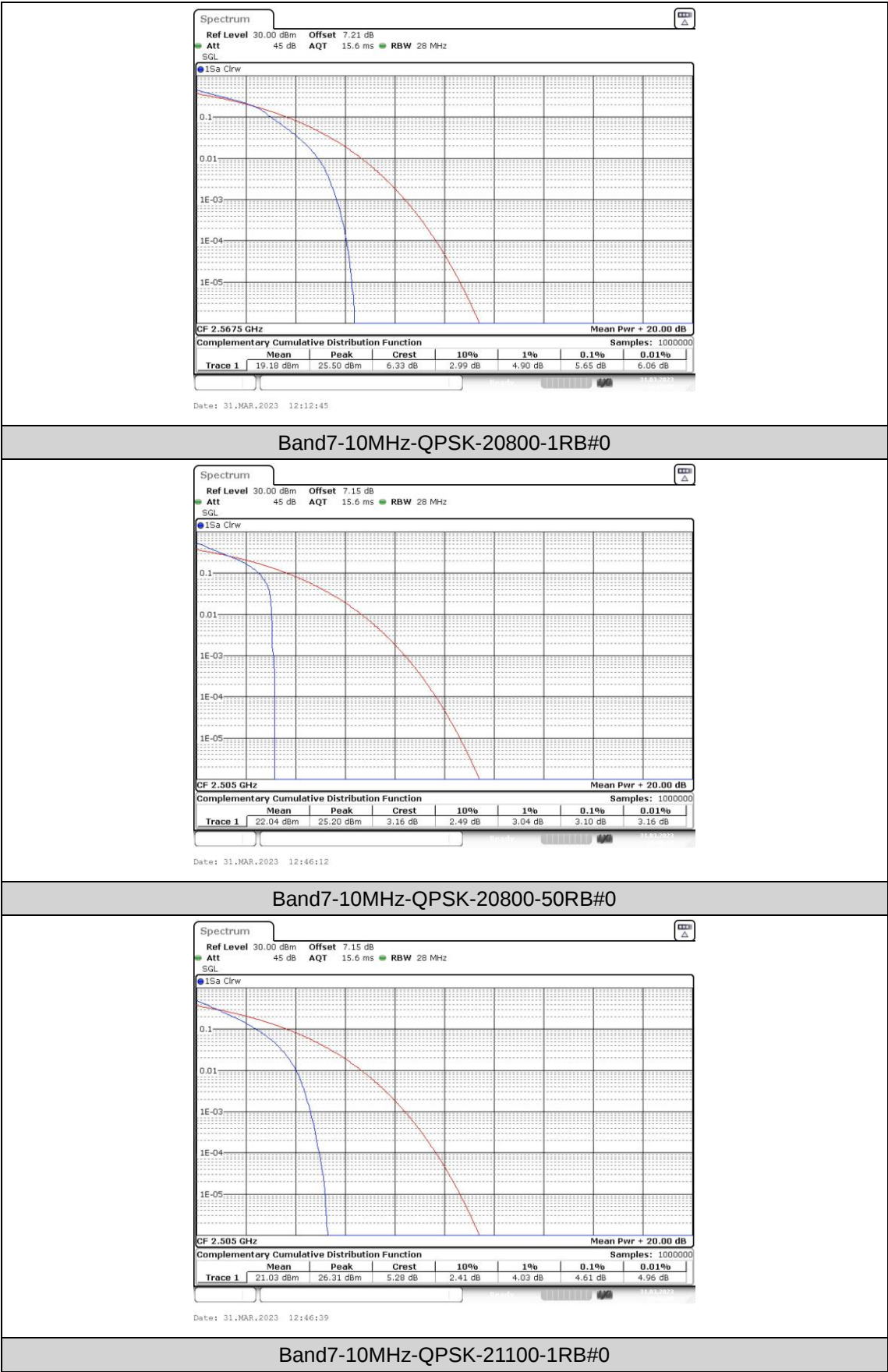
Test Graphs

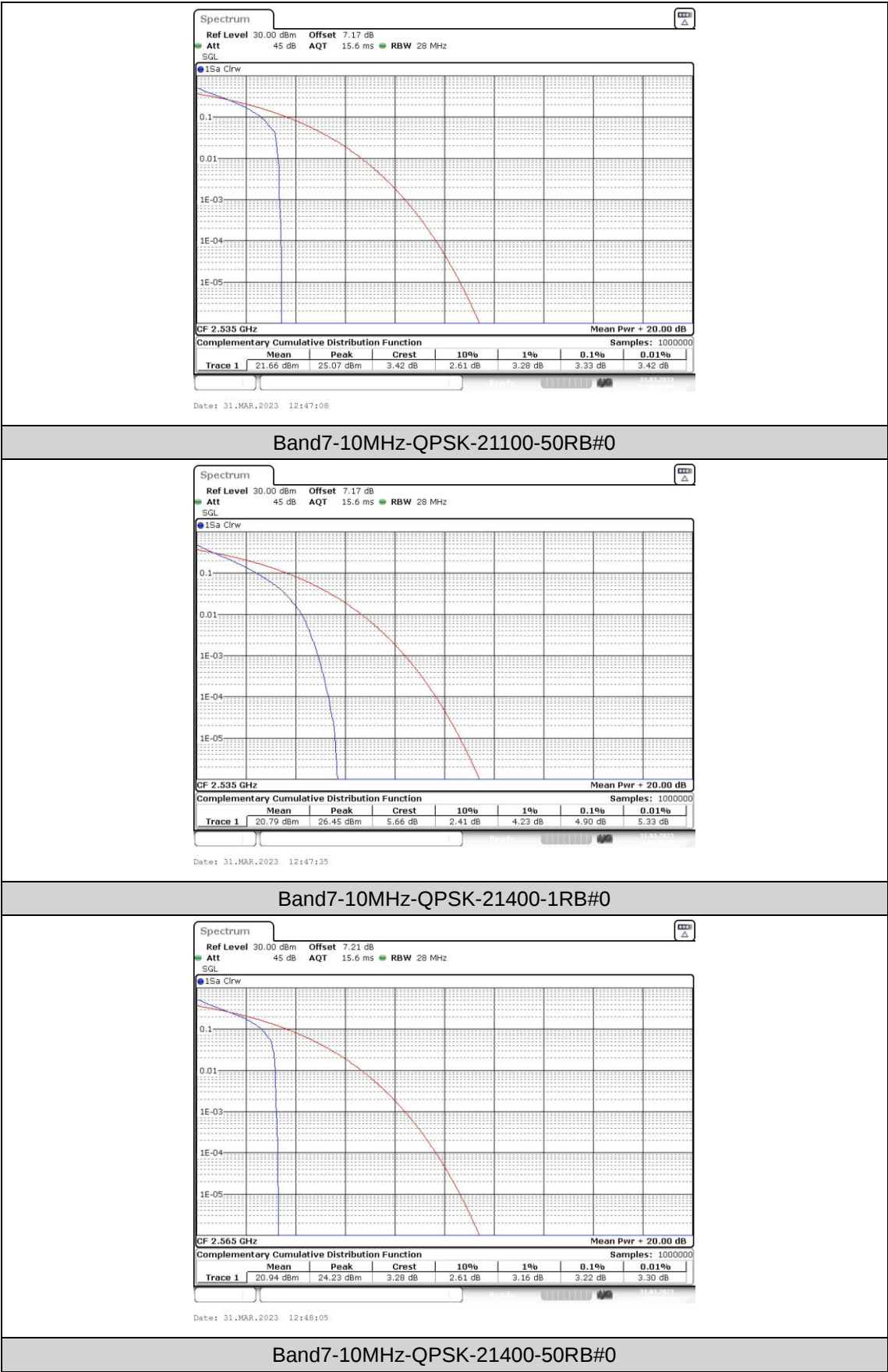


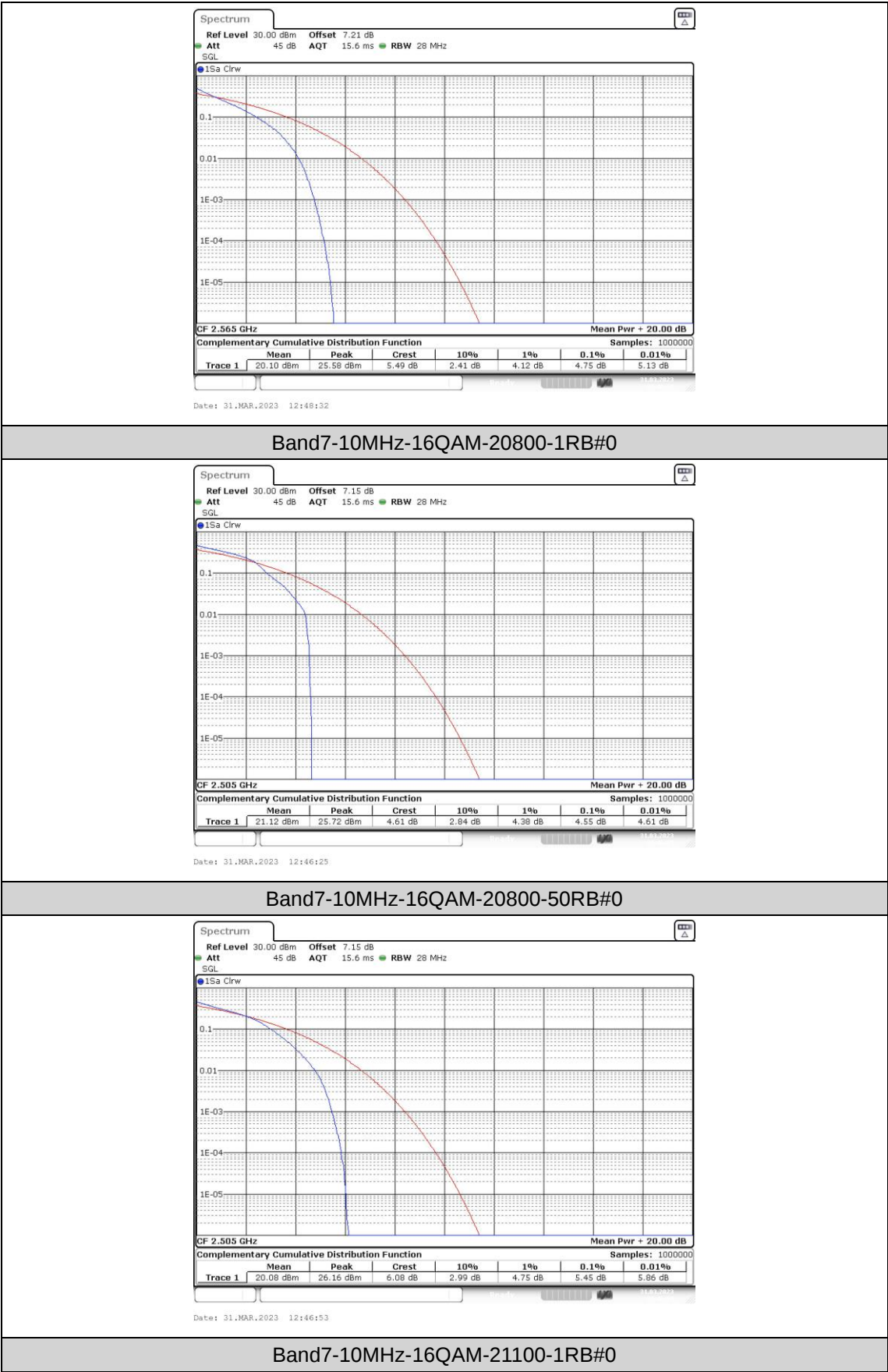


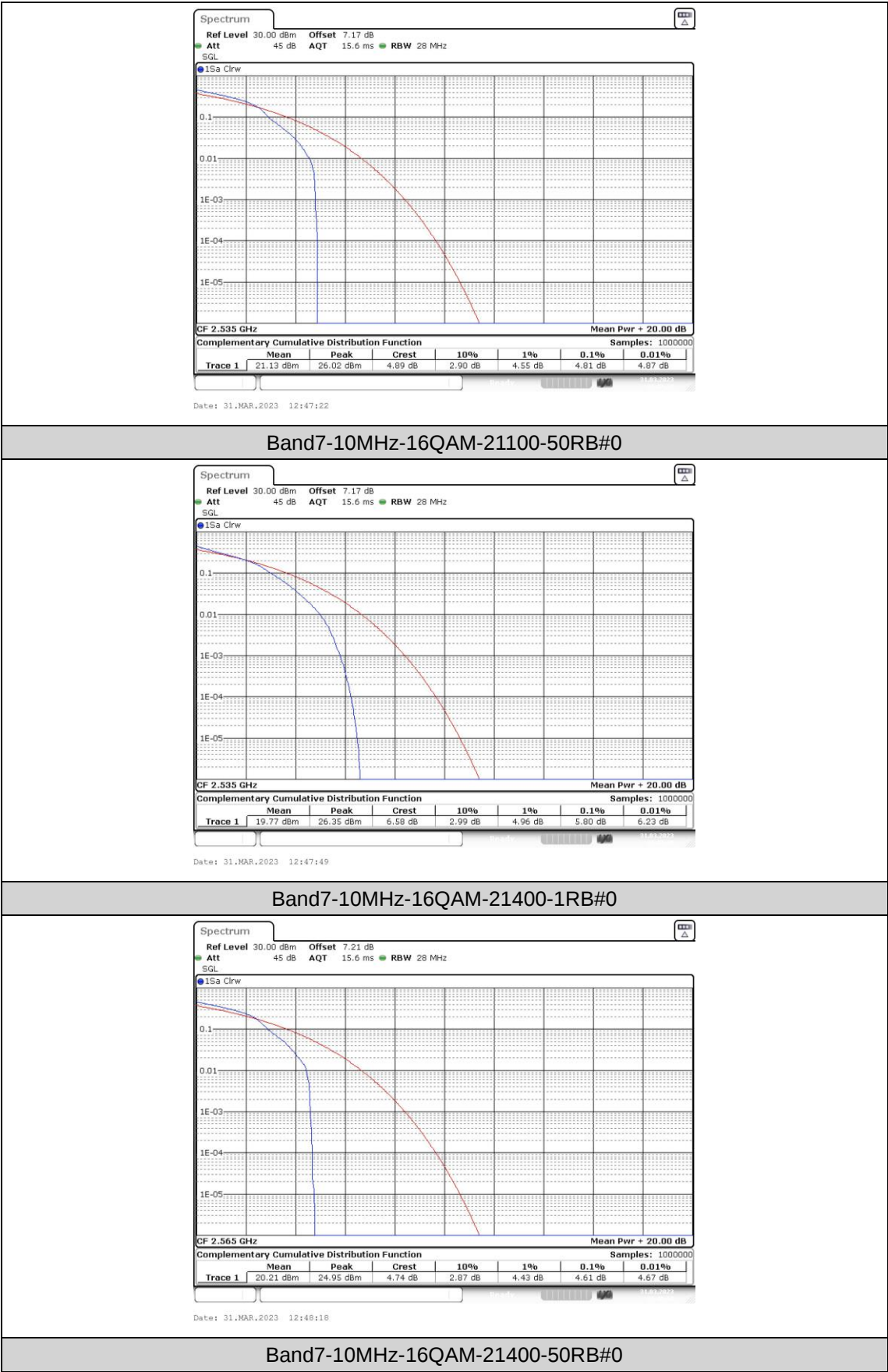


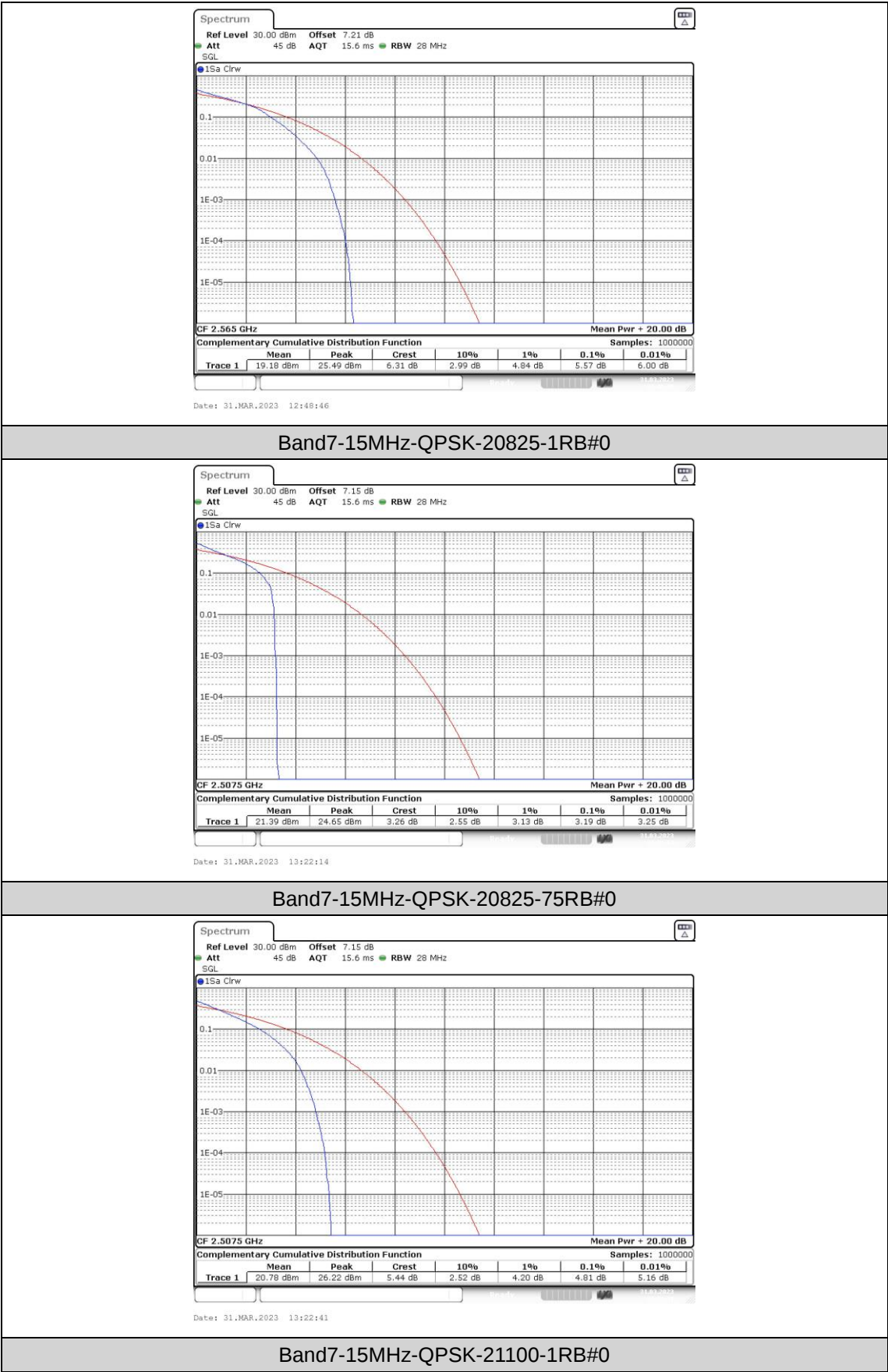


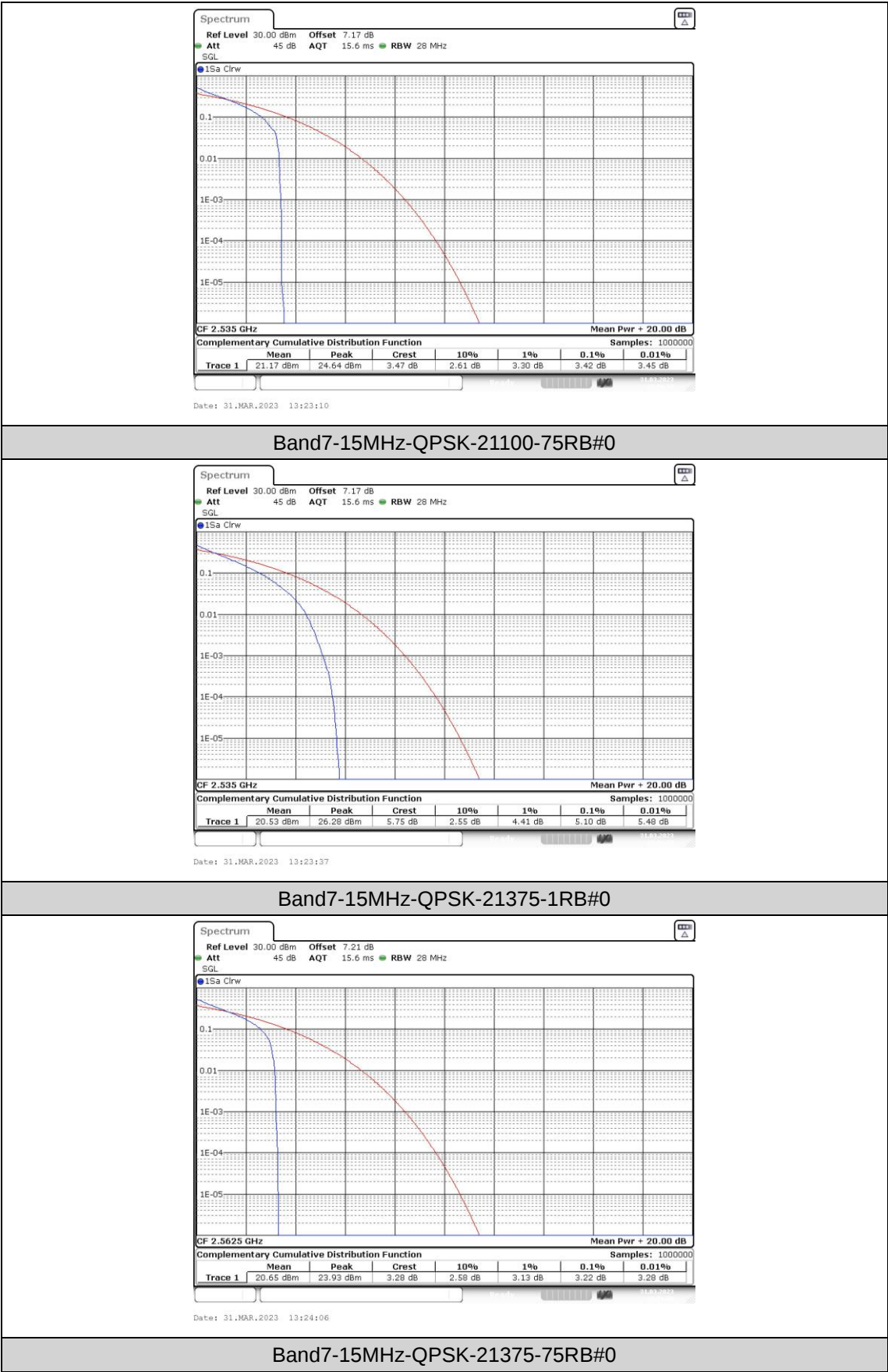


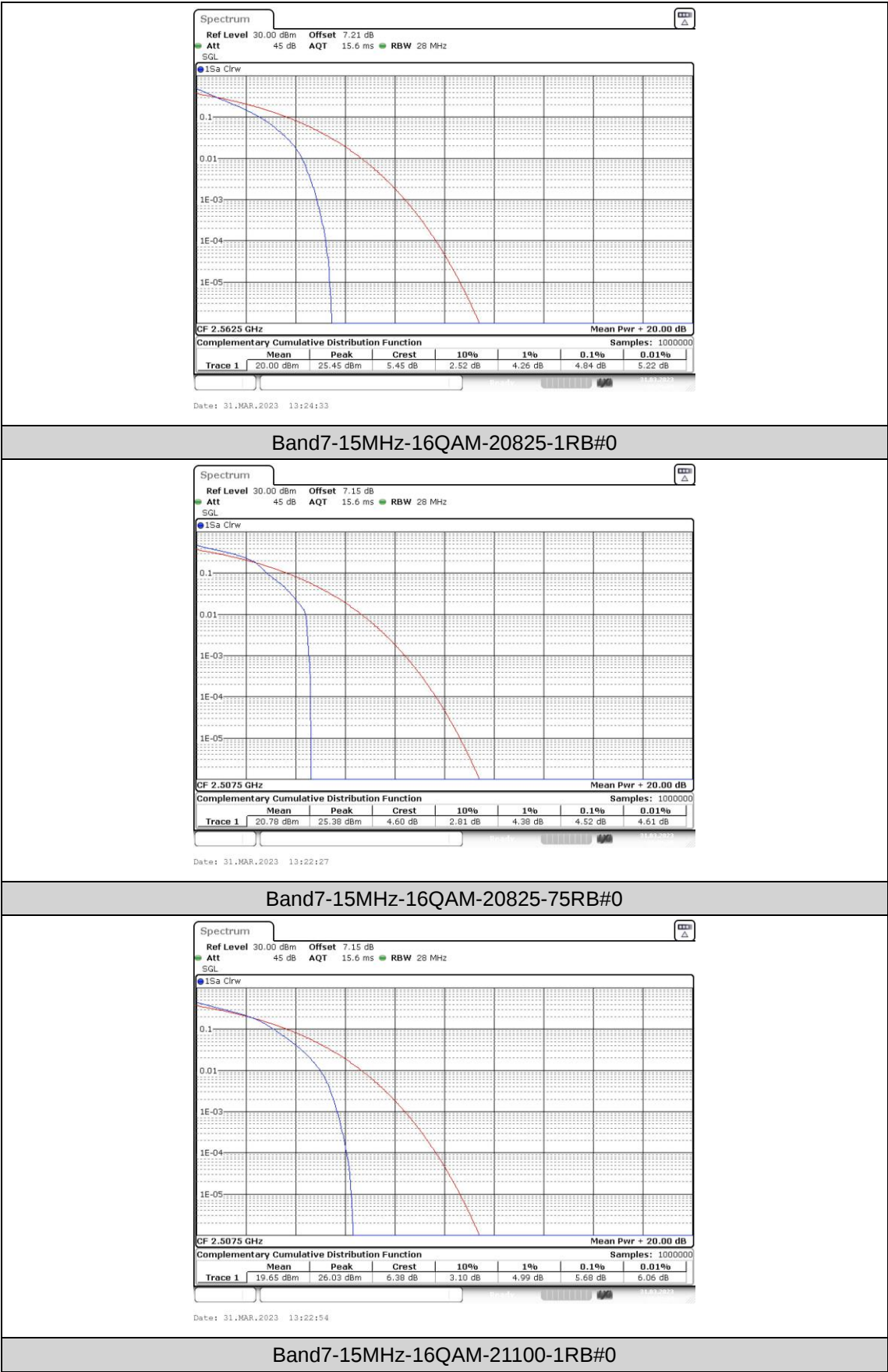


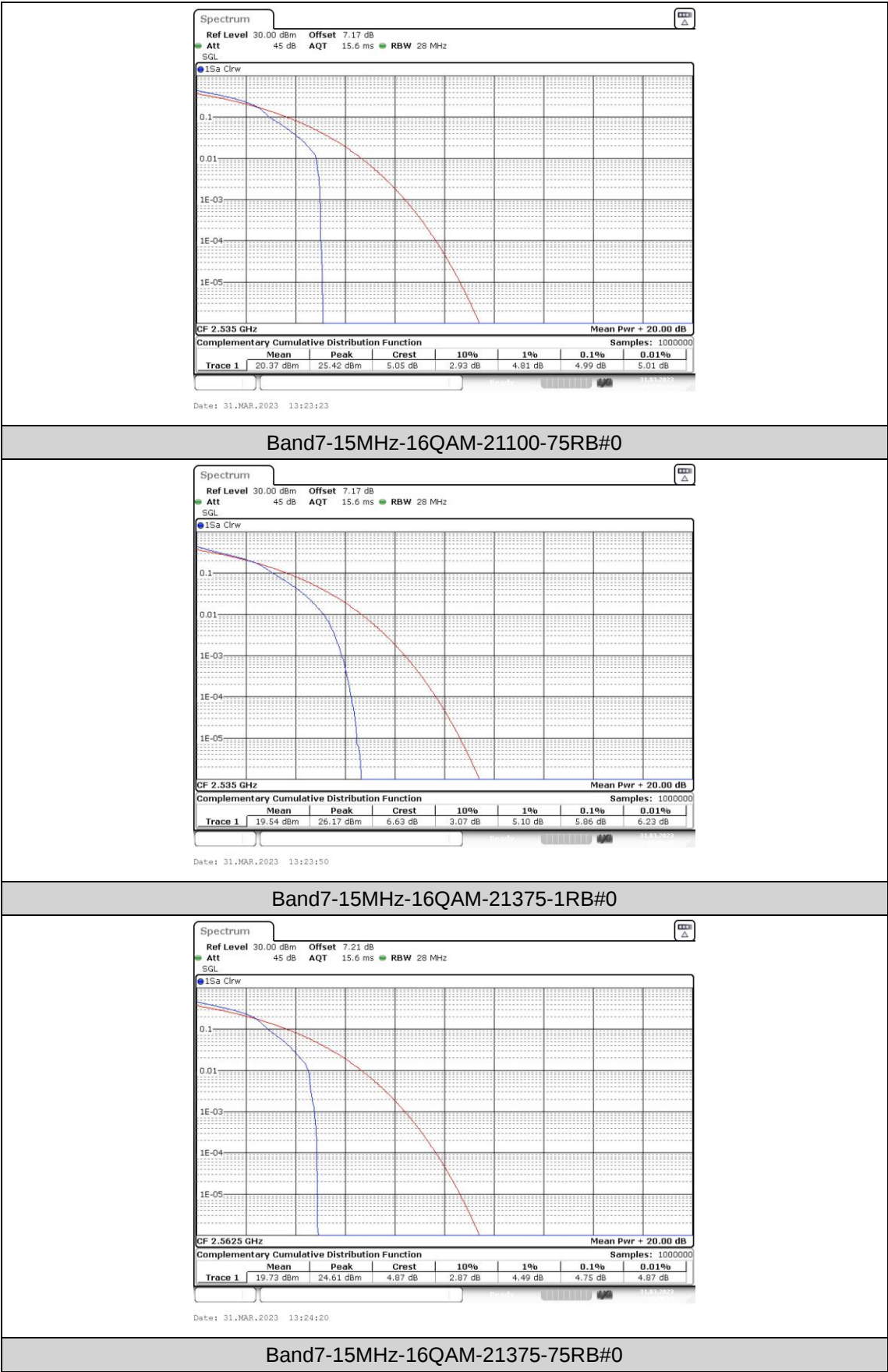


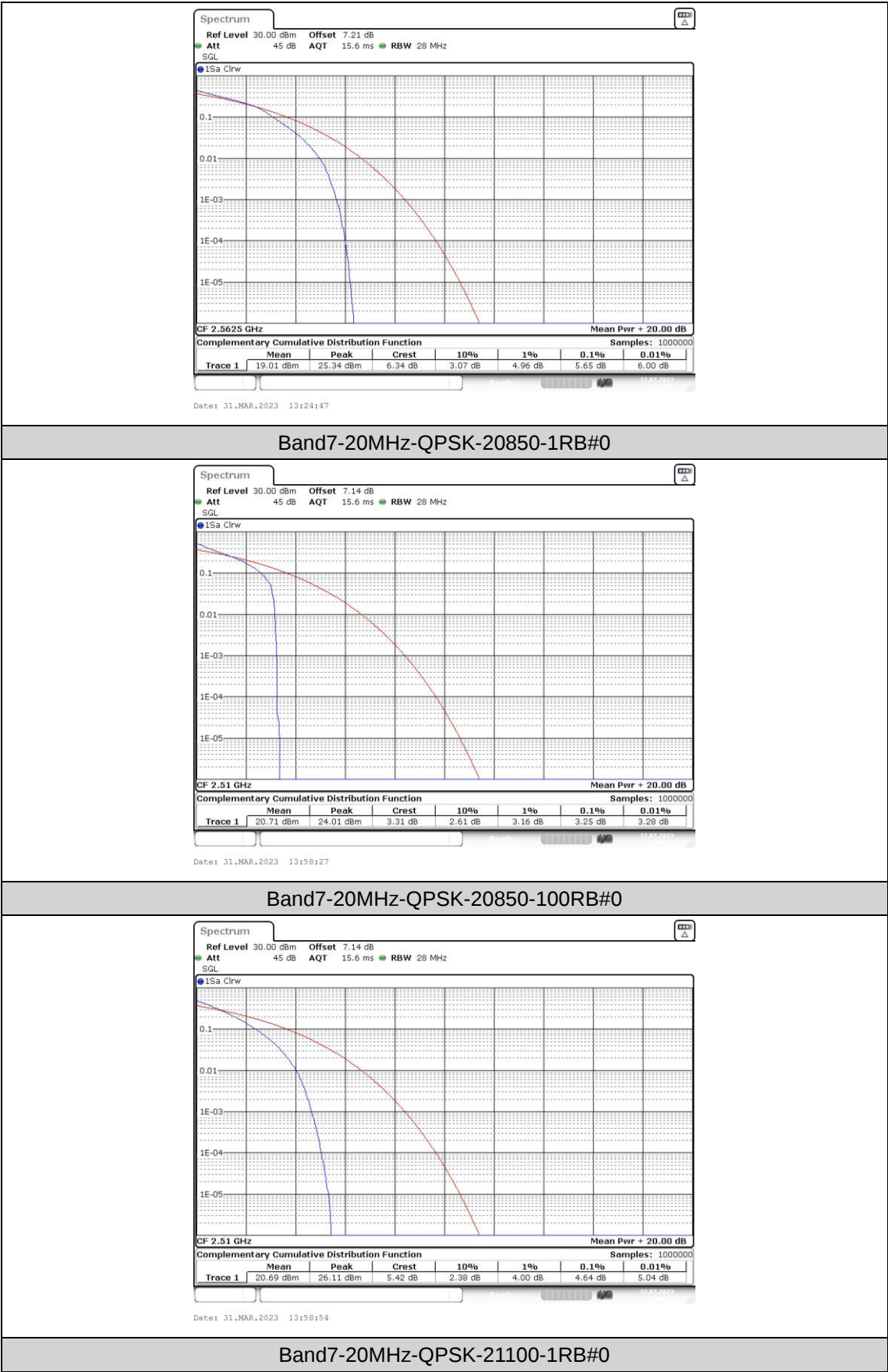


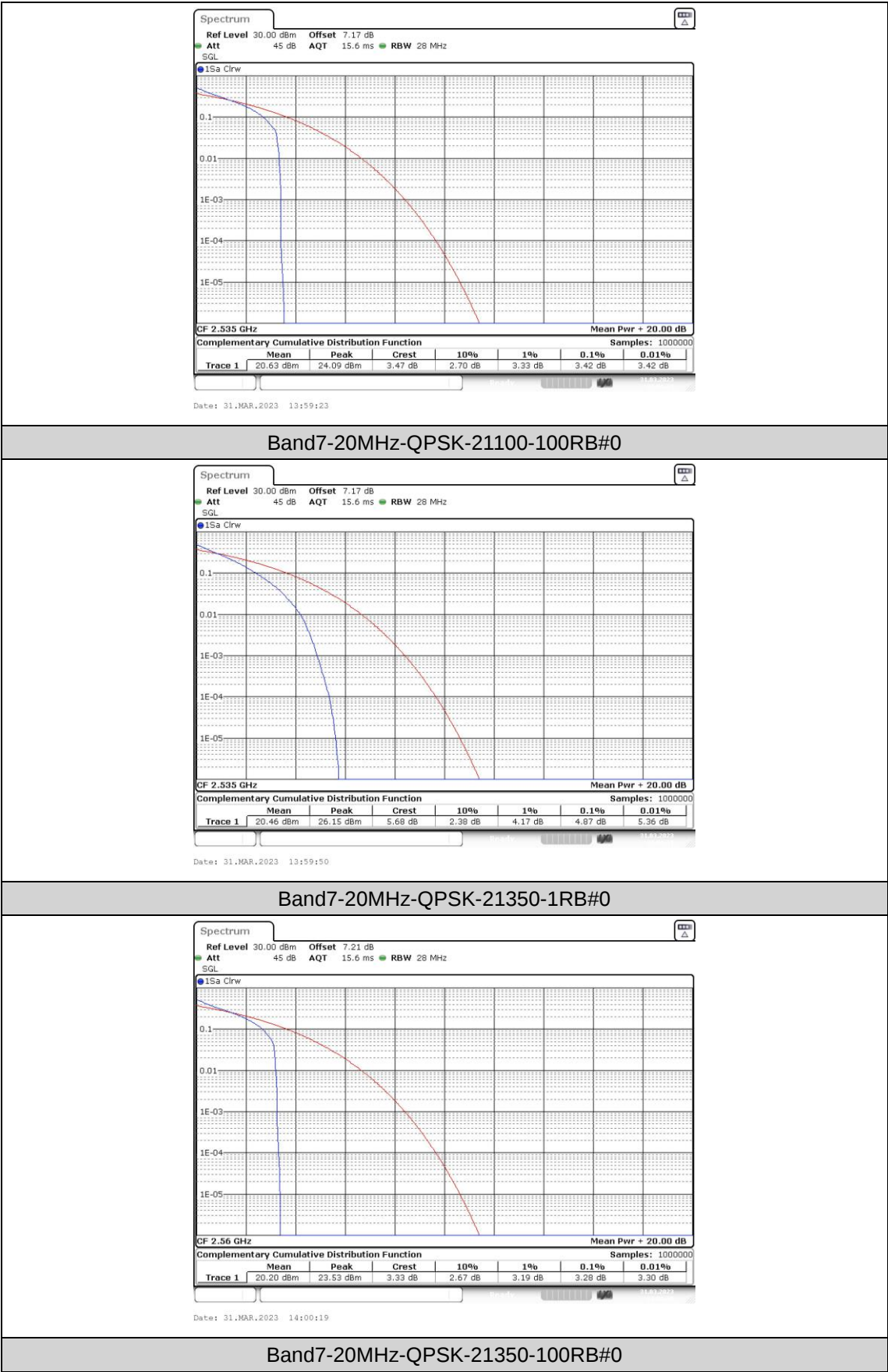


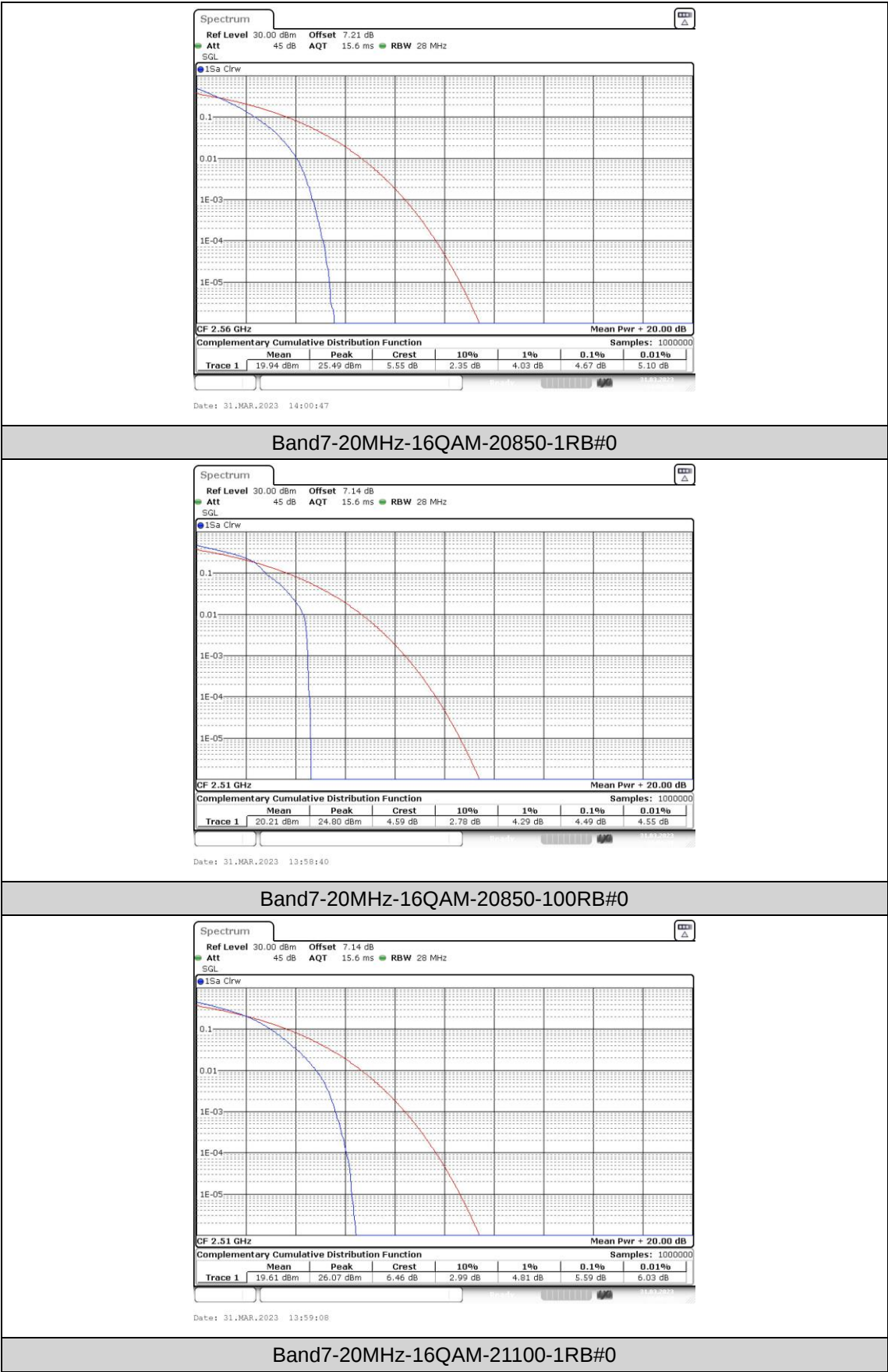


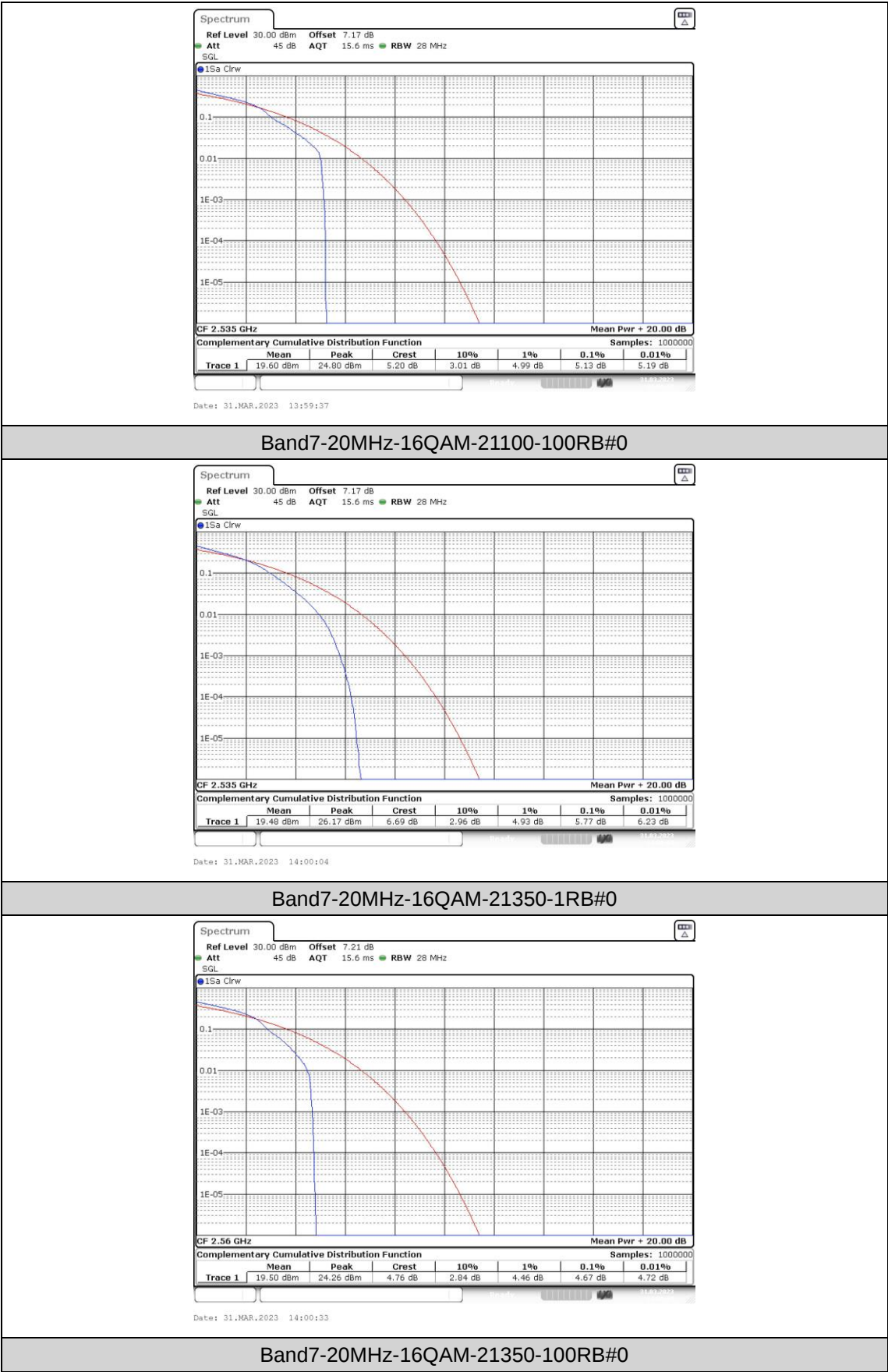












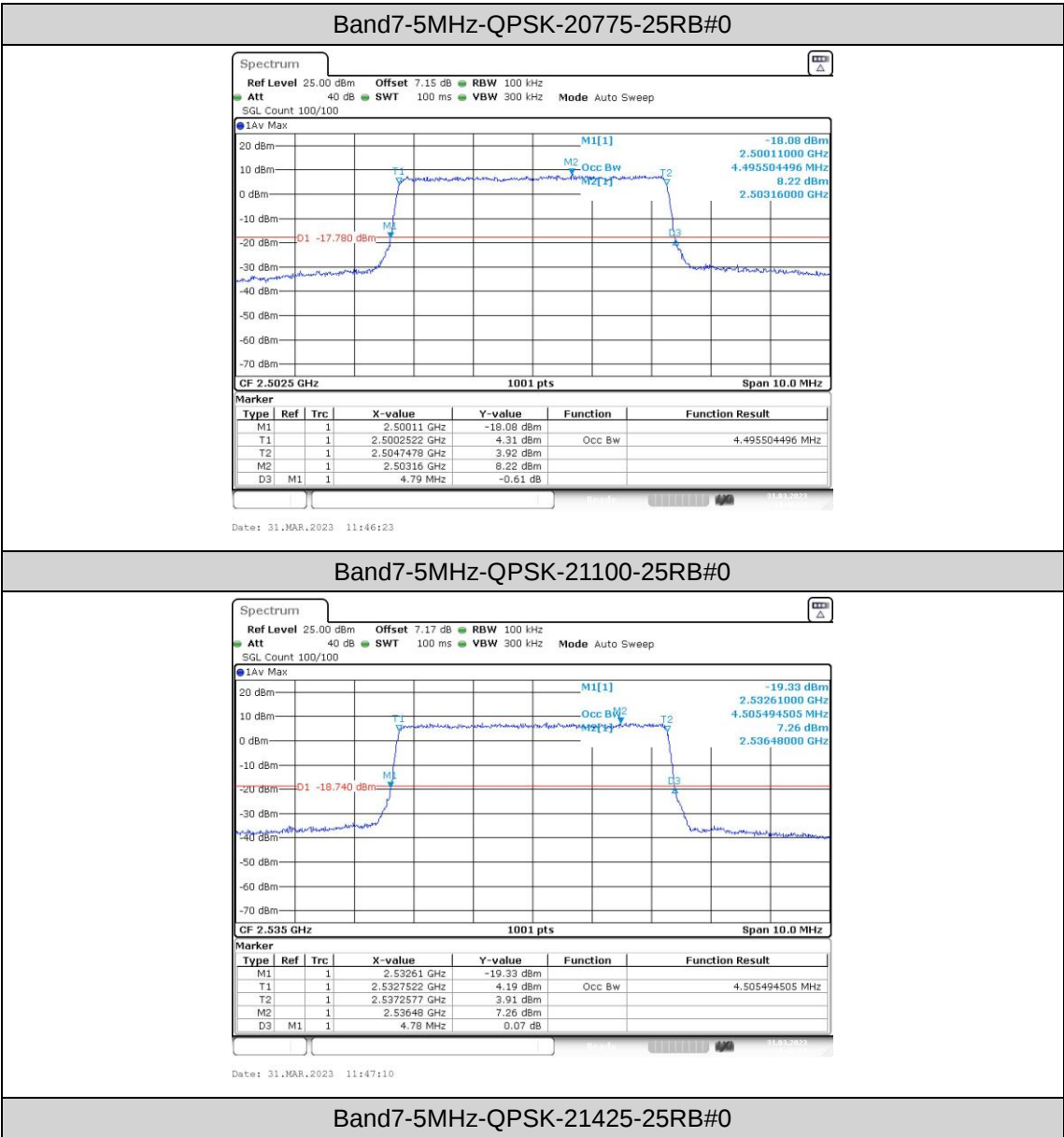


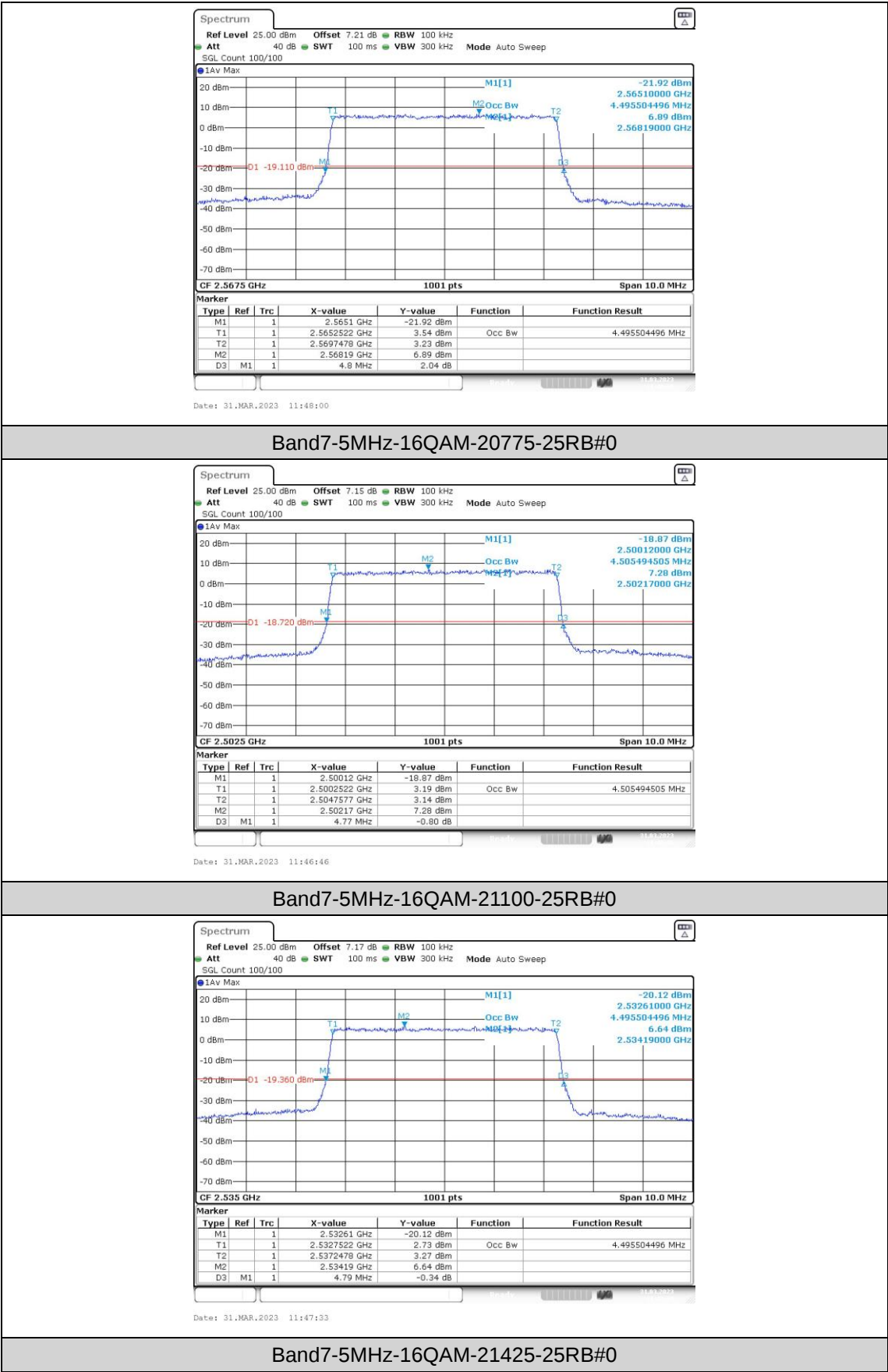
Appendix C: 26dB Bandwidth and Occupied Bandwidth

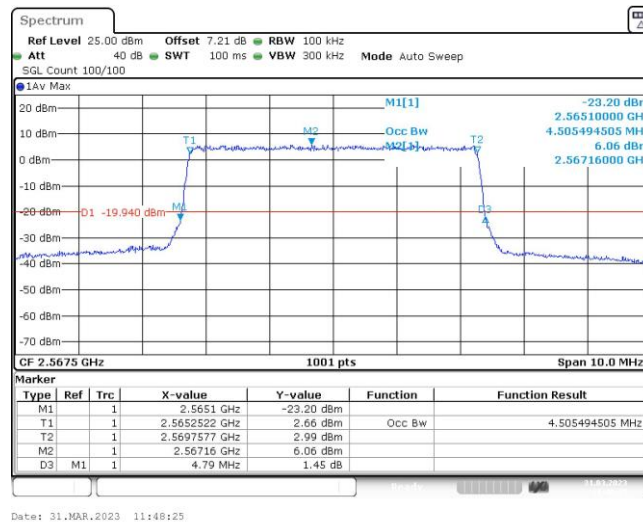
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band7	5MHz	QPSK	20775	25RB#0	4.496	4.79	PASS
Band7	5MHz	QPSK	21100	25RB#0	4.505	4.78	PASS
Band7	5MHz	QPSK	21425	25RB#0	4.496	4.80	PASS
Band7	5MHz	16QAM	20775	25RB#0	4.505	4.77	PASS
Band7	5MHz	16QAM	21100	25RB#0	4.496	4.79	PASS
Band7	5MHz	16QAM	21425	25RB#0	4.505	4.79	PASS
Band7	10MHz	QPSK	20800	50RB#0	8.952	9.53	PASS
Band7	10MHz	QPSK	21100	50RB#0	8.985	9.53	PASS
Band7	10MHz	QPSK	21400	50RB#0	8.985	9.57	PASS
Band7	10MHz	16QAM	20800	50RB#0	8.952	9.53	PASS
Band7	10MHz	16QAM	21100	50RB#0	8.985	9.53	PASS
Band7	10MHz	16QAM	21400	50RB#0	8.985	9.57	PASS
Band7	15MHz	QPSK	20825	75RB#0	13.428	14.30	PASS
Band7	15MHz	QPSK	21100	75RB#0	13.478	14.30	PASS
Band7	15MHz	QPSK	21375	75RB#0	13.478	14.30	PASS
Band7	15MHz	16QAM	20825	75RB#0	13.428	14.30	PASS
Band7	15MHz	16QAM	21100	75RB#0	13.478	14.30	PASS
Band7	15MHz	16QAM	21375	75RB#0	13.478	14.30	PASS
Band7	20MHz	QPSK	20850	100RB#0	17.97	19.27	PASS
Band7	20MHz	QPSK	21100	100RB#0	17.97	19.33	PASS
Band7	20MHz	QPSK	21350	100RB#0	17.97	19.33	PASS
Band7	20MHz	16QAM	20850	100RB#0	18.037	19.27	PASS
Band7	20MHz	16QAM	21100	100RB#0	17.97	19.33	PASS
Band7	20MHz	16QAM	21350	100RB#0	17.97	19.33	PASS

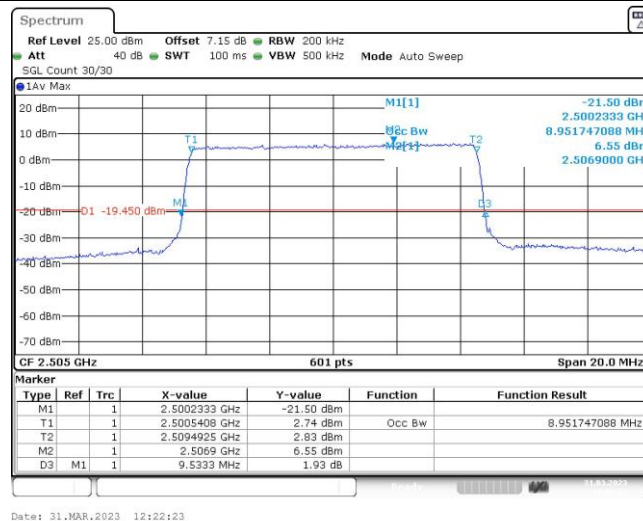
Test Graphs



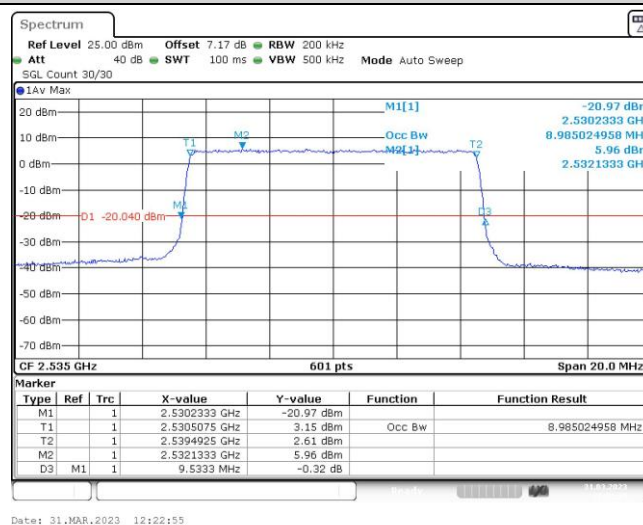




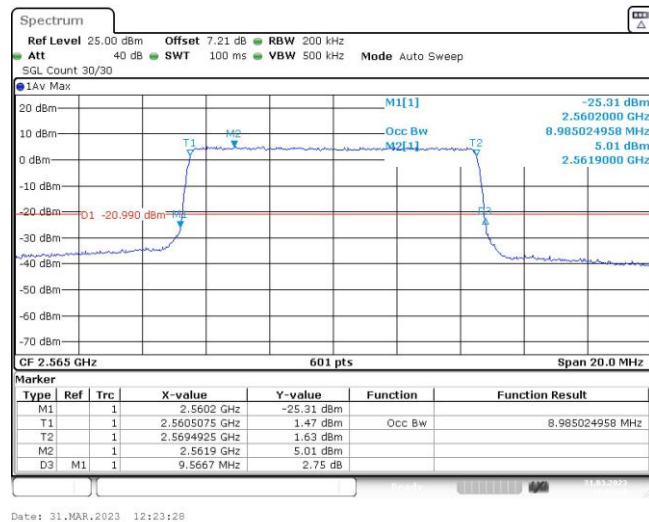
Band7-10MHz-QPSK-20800-50RB#0



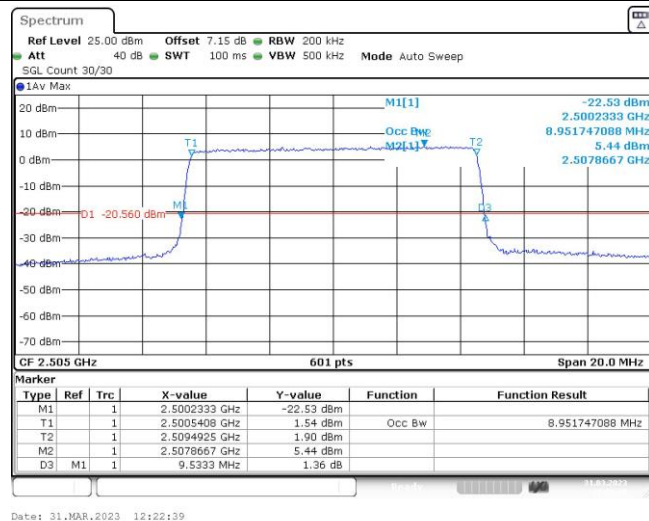
Band7-10MHz-QPSK-21100-50RB#0



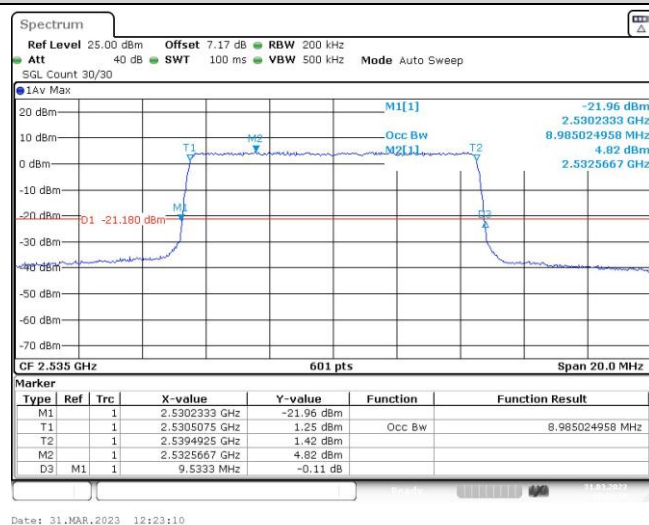
Band7-10MHz-QPSK-21400-50RB#0



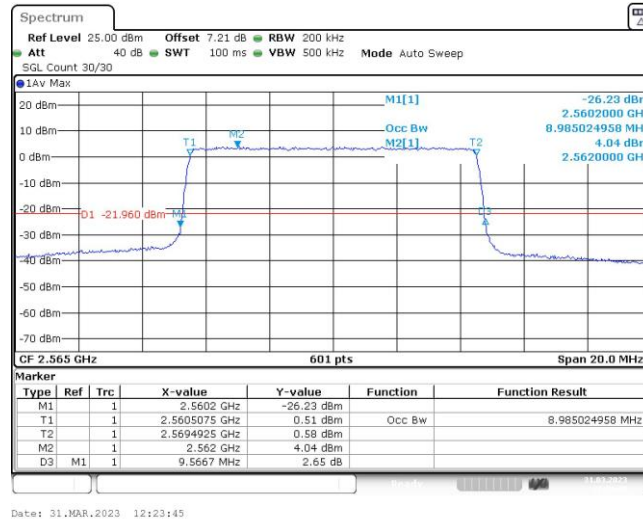
Band7-10MHz-16QAM-20800-50RB#0



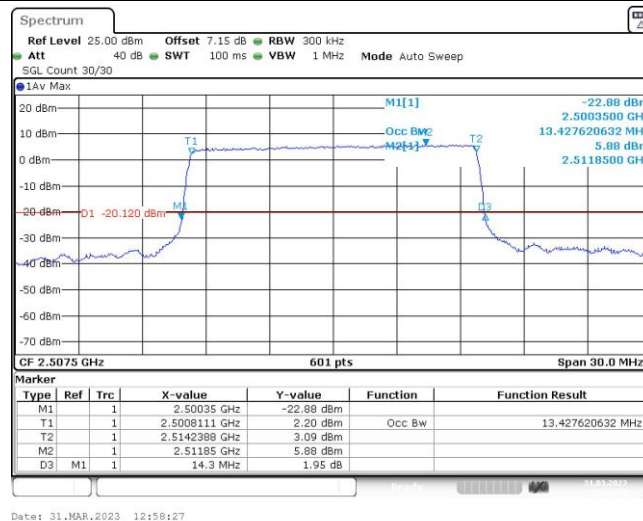
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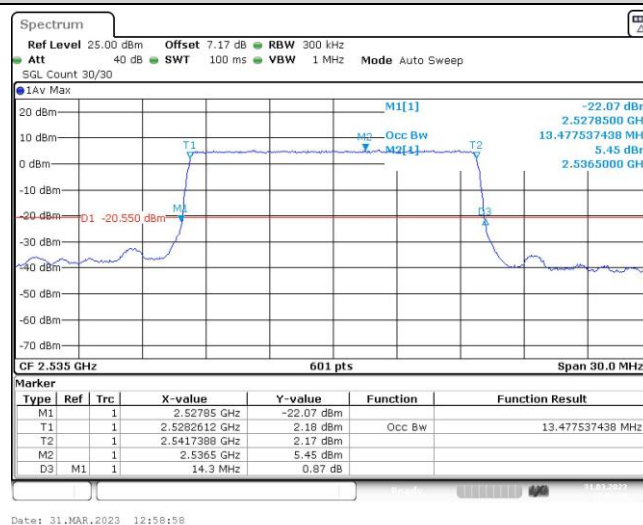
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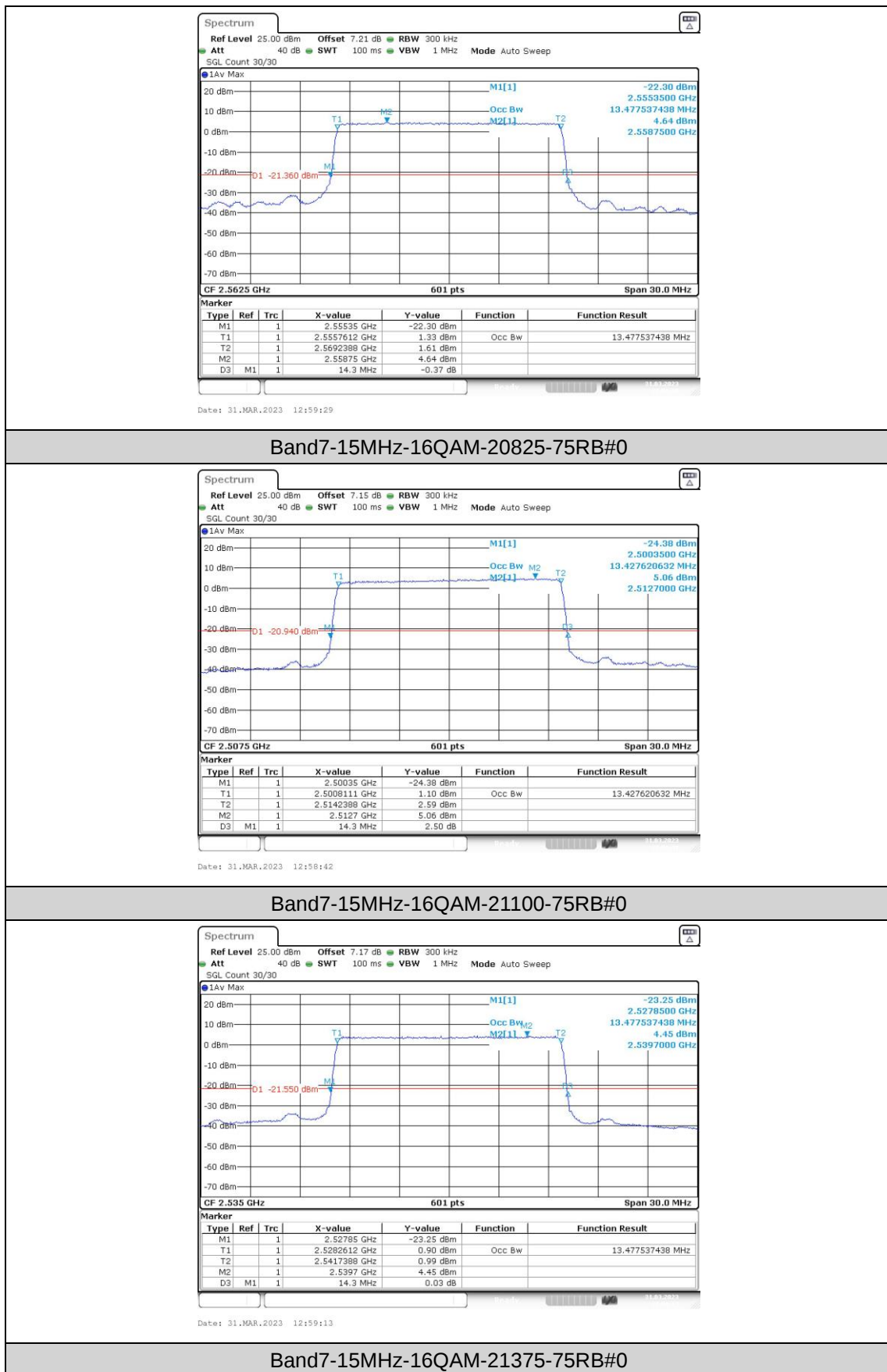
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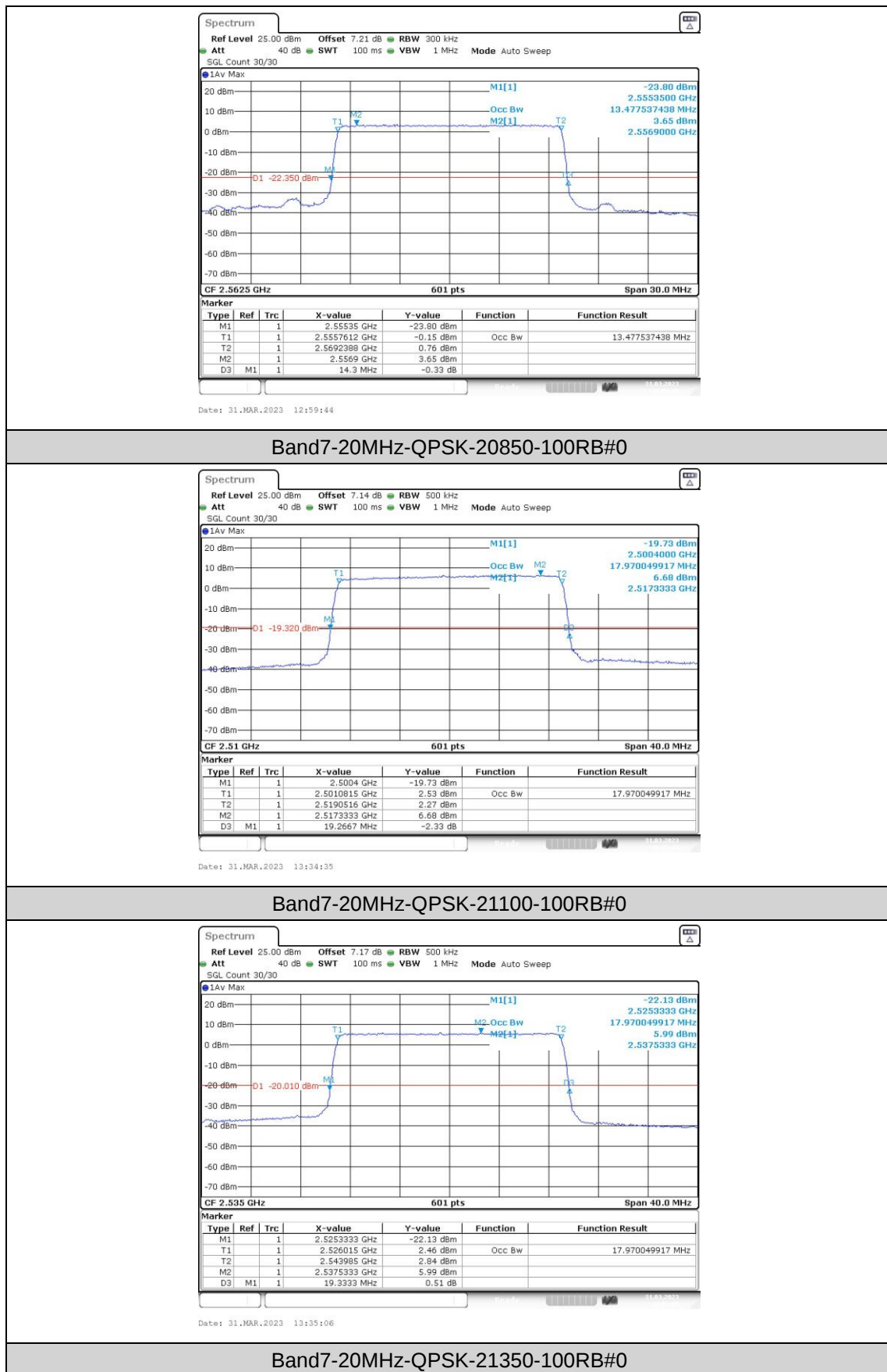


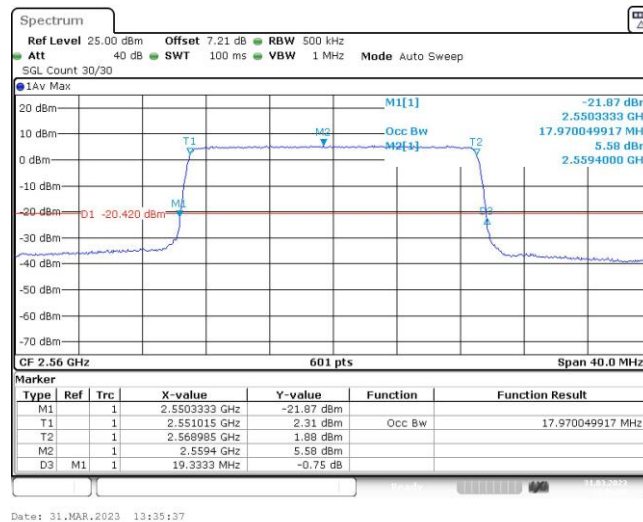
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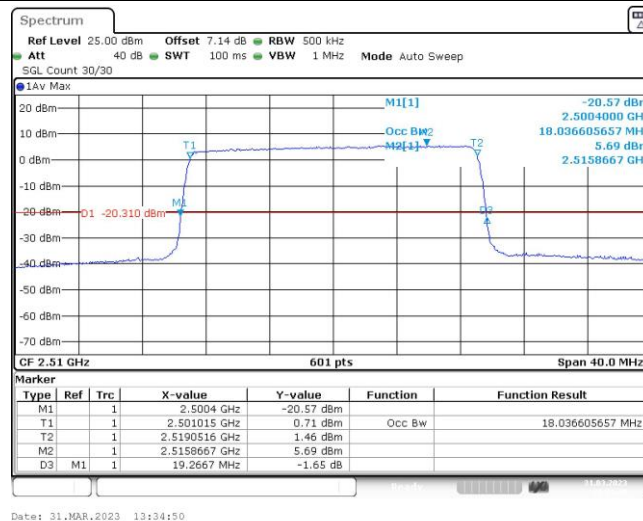
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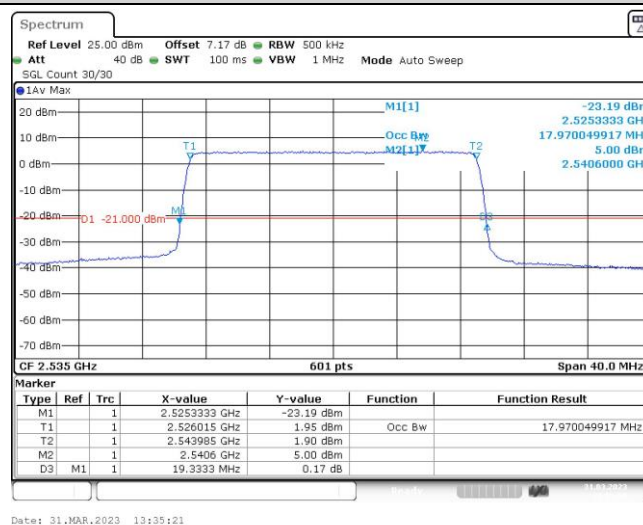




Band7-20MHz-16QAM-20850-100RB#0



Band7-20MHz-16QAM-21100-100RB#0



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