

Appendix for Band 5

Product Name: Zenius08

Model No: GMT-08QA-2301

Appendix A: Average Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band5	1.4MHz	QPSK	20407	1RB#0	22.65	PASS
Band5	1.4MHz	QPSK	20407	1RB#2	22.74	PASS
Band5	1.4MHz	QPSK	20407	1RB#5	22.62	PASS
Band5	1.4MHz	QPSK	20407	3RB#0	22.72	PASS
Band5	1.4MHz	QPSK	20407	3RB#1	22.74	PASS
Band5	1.4MHz	QPSK	20407	3RB#3	22.75	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	21.79	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	22.86	PASS
Band5	1.4MHz	QPSK	20525	1RB#2	23.04	PASS
Band5	1.4MHz	QPSK	20525	1RB#5	22.89	PASS
Band5	1.4MHz	QPSK	20525	3RB#0	22.95	PASS
Band5	1.4MHz	QPSK	20525	3RB#1	22.97	PASS
Band5	1.4MHz	QPSK	20525	3RB#3	22.95	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	21.98	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	23.00	PASS
Band5	1.4MHz	QPSK	20643	1RB#2	23.13	PASS
Band5	1.4MHz	QPSK	20643	1RB#5	23.06	PASS
Band5	1.4MHz	QPSK	20643	3RB#0	23.16	PASS
Band5	1.4MHz	QPSK	20643	3RB#1	23.16	PASS
Band5	1.4MHz	QPSK	20643	3RB#3	23.19	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	22.17	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	21.81	PASS
Band5	1.4MHz	16QAM	20407	1RB#2	21.96	PASS
Band5	1.4MHz	16QAM	20407	1RB#5	21.82	PASS
Band5	1.4MHz	16QAM	20407	3RB#0	21.67	PASS
Band5	1.4MHz	16QAM	20407	3RB#1	21.68	PASS
Band5	1.4MHz	16QAM	20407	3RB#3	21.59	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	20.78	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	22.06	PASS
Band5	1.4MHz	16QAM	20525	1RB#2	22.24	PASS

Band5	1.4MHz	16QAM	20525	1RB#5	22.02	PASS
Band5	1.4MHz	16QAM	20525	3RB#0	21.90	PASS
Band5	1.4MHz	16QAM	20525	3RB#1	21.91	PASS
Band5	1.4MHz	16QAM	20525	3RB#3	21.87	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	21.04	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	22.20	PASS
Band5	1.4MHz	16QAM	20643	1RB#2	22.39	PASS
Band5	1.4MHz	16QAM	20643	1RB#5	22.22	PASS
Band5	1.4MHz	16QAM	20643	3RB#0	22.09	PASS
Band5	1.4MHz	16QAM	20643	3RB#1	22.10	PASS
Band5	1.4MHz	16QAM	20643	3RB#3	22.12	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	21.08	PASS
Band5	3MHz	QPSK	20415	1RB#0	22.68	PASS
Band5	3MHz	QPSK	20415	1RB#8	22.67	PASS
Band5	3MHz	QPSK	20415	1RB#14	22.67	PASS
Band5	3MHz	QPSK	20415	8RB#0	21.68	PASS
Band5	3MHz	QPSK	20415	8RB#4	21.69	PASS
Band5	3MHz	QPSK	20415	8RB#7	21.75	PASS
Band5	3MHz	QPSK	20415	15RB#0	21.74	PASS
Band5	3MHz	QPSK	20525	1RB#0	22.94	PASS
Band5	3MHz	QPSK	20525	1RB#8	22.93	PASS
Band5	3MHz	QPSK	20525	1RB#14	22.99	PASS
Band5	3MHz	QPSK	20525	8RB#0	21.96	PASS
Band5	3MHz	QPSK	20525	8RB#4	21.99	PASS
Band5	3MHz	QPSK	20525	8RB#7	22.02	PASS
Band5	3MHz	QPSK	20525	15RB#0	21.97	PASS
Band5	3MHz	QPSK	20635	1RB#0	23.10	PASS
Band5	3MHz	QPSK	20635	1RB#8	23.16	PASS
Band5	3MHz	QPSK	20635	1RB#14	23.11	PASS
Band5	3MHz	QPSK	20635	8RB#0	22.20	PASS
Band5	3MHz	QPSK	20635	8RB#4	22.21	PASS
Band5	3MHz	QPSK	20635	8RB#7	22.18	PASS
Band5	3MHz	QPSK	20635	15RB#0	22.21	PASS
Band5	3MHz	16QAM	20415	1RB#0	21.96	PASS
Band5	3MHz	16QAM	20415	1RB#8	21.90	PASS
Band5	3MHz	16QAM	20415	1RB#14	21.85	PASS
Band5	3MHz	16QAM	20415	8RB#0	20.77	PASS

Band5	3MHz	16QAM	20415	8RB#4	20.75	PASS
Band5	3MHz	16QAM	20415	8RB#7	20.82	PASS
Band5	3MHz	16QAM	20415	15RB#0	20.74	PASS
Band5	3MHz	16QAM	20525	1RB#0	22.10	PASS
Band5	3MHz	16QAM	20525	1RB#8	22.16	PASS
Band5	3MHz	16QAM	20525	1RB#14	22.14	PASS
Band5	3MHz	16QAM	20525	8RB#0	21.07	PASS
Band5	3MHz	16QAM	20525	8RB#4	21.08	PASS
Band5	3MHz	16QAM	20525	8RB#7	21.08	PASS
Band5	3MHz	16QAM	20525	15RB#0	20.98	PASS
Band5	3MHz	16QAM	20635	1RB#0	22.34	PASS
Band5	3MHz	16QAM	20635	1RB#8	22.30	PASS
Band5	3MHz	16QAM	20635	1RB#14	22.35	PASS
Band5	3MHz	16QAM	20635	8RB#0	21.15	PASS
Band5	3MHz	16QAM	20635	8RB#4	21.20	PASS
Band5	3MHz	16QAM	20635	8RB#7	21.22	PASS
Band5	3MHz	16QAM	20635	15RB#0	21.11	PASS
Band5	5MHz	QPSK	20425	1RB#0	22.65	PASS
Band5	5MHz	QPSK	20425	1RB#12	22.81	PASS
Band5	5MHz	QPSK	20425	1RB#24	22.72	PASS
Band5	5MHz	QPSK	20425	12RB#0	21.72	PASS
Band5	5MHz	QPSK	20425	12RB#6	21.76	PASS
Band5	5MHz	QPSK	20425	12RB#13	21.75	PASS
Band5	5MHz	QPSK	20425	25RB#0	21.75	PASS
Band5	5MHz	QPSK	20525	1RB#0	22.91	PASS
Band5	5MHz	QPSK	20525	1RB#12	23.06	PASS
Band5	5MHz	QPSK	20525	1RB#24	22.95	PASS
Band5	5MHz	QPSK	20525	12RB#0	22.02	PASS
Band5	5MHz	QPSK	20525	12RB#6	21.97	PASS
Band5	5MHz	QPSK	20525	12RB#13	22.07	PASS
Band5	5MHz	QPSK	20525	25RB#0	22.02	PASS
Band5	5MHz	QPSK	20625	1RB#0	23.12	PASS
Band5	5MHz	QPSK	20625	1RB#12	23.24	PASS
Band5	5MHz	QPSK	20625	1RB#24	23.06	PASS
Band5	5MHz	QPSK	20625	12RB#0	22.17	PASS
Band5	5MHz	QPSK	20625	12RB#6	22.17	PASS
Band5	5MHz	QPSK	20625	12RB#13	22.18	PASS

Band5	5MHz	QPSK	20625	25RB#0	22.20	PASS
Band5	5MHz	16QAM	20425	1RB#0	21.77	PASS
Band5	5MHz	16QAM	20425	1RB#12	21.86	PASS
Band5	5MHz	16QAM	20425	1RB#24	21.81	PASS
Band5	5MHz	16QAM	20425	12RB#0	20.69	PASS
Band5	5MHz	16QAM	20425	12RB#6	20.70	PASS
Band5	5MHz	16QAM	20425	12RB#13	20.75	PASS
Band5	5MHz	16QAM	20425	25RB#0	20.78	PASS
Band5	5MHz	16QAM	20525	1RB#0	21.99	PASS
Band5	5MHz	16QAM	20525	1RB#12	22.06	PASS
Band5	5MHz	16QAM	20525	1RB#24	22.01	PASS
Band5	5MHz	16QAM	20525	12RB#0	20.99	PASS
Band5	5MHz	16QAM	20525	12RB#6	20.99	PASS
Band5	5MHz	16QAM	20525	12RB#13	21.05	PASS
Band5	5MHz	16QAM	20525	25RB#0	21.11	PASS
Band5	5MHz	16QAM	20625	1RB#0	22.38	PASS
Band5	5MHz	16QAM	20625	1RB#12	22.42	PASS
Band5	5MHz	16QAM	20625	1RB#24	22.31	PASS
Band5	5MHz	16QAM	20625	12RB#0	21.25	PASS
Band5	5MHz	16QAM	20625	12RB#6	21.26	PASS
Band5	5MHz	16QAM	20625	12RB#13	21.26	PASS
Band5	5MHz	16QAM	20625	25RB#0	21.23	PASS
Band5	10MHz	QPSK	20450	1RB#0	22.72	PASS
Band5	10MHz	QPSK	20450	1RB#24	22.90	PASS
Band5	10MHz	QPSK	20450	1RB#49	22.83	PASS
Band5	10MHz	QPSK	20450	25RB#0	21.82	PASS
Band5	10MHz	QPSK	20450	25RB#12	21.79	PASS
Band5	10MHz	QPSK	20450	25RB#25	21.88	PASS
Band5	10MHz	QPSK	20450	50RB#0	21.79	PASS
Band5	10MHz	QPSK	20525	1RB#0	22.81	PASS
Band5	10MHz	QPSK	20525	1RB#24	23.05	PASS
Band5	10MHz	QPSK	20525	1RB#49	22.99	PASS
Band5	10MHz	QPSK	20525	25RB#0	22.10	PASS
Band5	10MHz	QPSK	20525	25RB#12	22.07	PASS
Band5	10MHz	QPSK	20525	25RB#25	22.16	PASS
Band5	10MHz	QPSK	20525	50RB#0	22.12	PASS
Band5	10MHz	QPSK	20600	1RB#0	23.03	PASS

Band5	10MHz	QPSK	20600	1RB#24	23.32	PASS
Band5	10MHz	QPSK	20600	1RB#49	23.12	PASS
Band5	10MHz	QPSK	20600	25RB#0	22.19	PASS
Band5	10MHz	QPSK	20600	25RB#12	22.23	PASS
Band5	10MHz	QPSK	20600	25RB#25	22.22	PASS
Band5	10MHz	QPSK	20600	50RB#0	22.19	PASS
Band5	10MHz	16QAM	20450	1RB#0	21.98	PASS
Band5	10MHz	16QAM	20450	1RB#24	22.16	PASS
Band5	10MHz	16QAM	20450	1RB#49	22.10	PASS
Band5	10MHz	16QAM	20450	25RB#0	20.79	PASS
Band5	10MHz	16QAM	20450	25RB#12	20.81	PASS
Band5	10MHz	16QAM	20450	25RB#25	20.84	PASS
Band5	10MHz	16QAM	20450	50RB#0	20.82	PASS
Band5	10MHz	16QAM	20525	1RB#0	22.11	PASS
Band5	10MHz	16QAM	20525	1RB#24	22.31	PASS
Band5	10MHz	16QAM	20525	1RB#49	22.26	PASS
Band5	10MHz	16QAM	20525	25RB#0	21.07	PASS
Band5	10MHz	16QAM	20525	25RB#12	21.11	PASS
Band5	10MHz	16QAM	20525	25RB#25	21.18	PASS
Band5	10MHz	16QAM	20525	50RB#0	21.11	PASS
Band5	10MHz	16QAM	20600	1RB#0	22.26	PASS
Band5	10MHz	16QAM	20600	1RB#24	22.51	PASS
Band5	10MHz	16QAM	20600	1RB#49	22.36	PASS
Band5	10MHz	16QAM	20600	25RB#0	21.30	PASS
Band5	10MHz	16QAM	20600	25RB#12	21.31	PASS
Band5	10MHz	16QAM	20600	25RB#25	21.30	PASS
Band5	10MHz	16QAM	20600	50RB#0	21.25	PASS

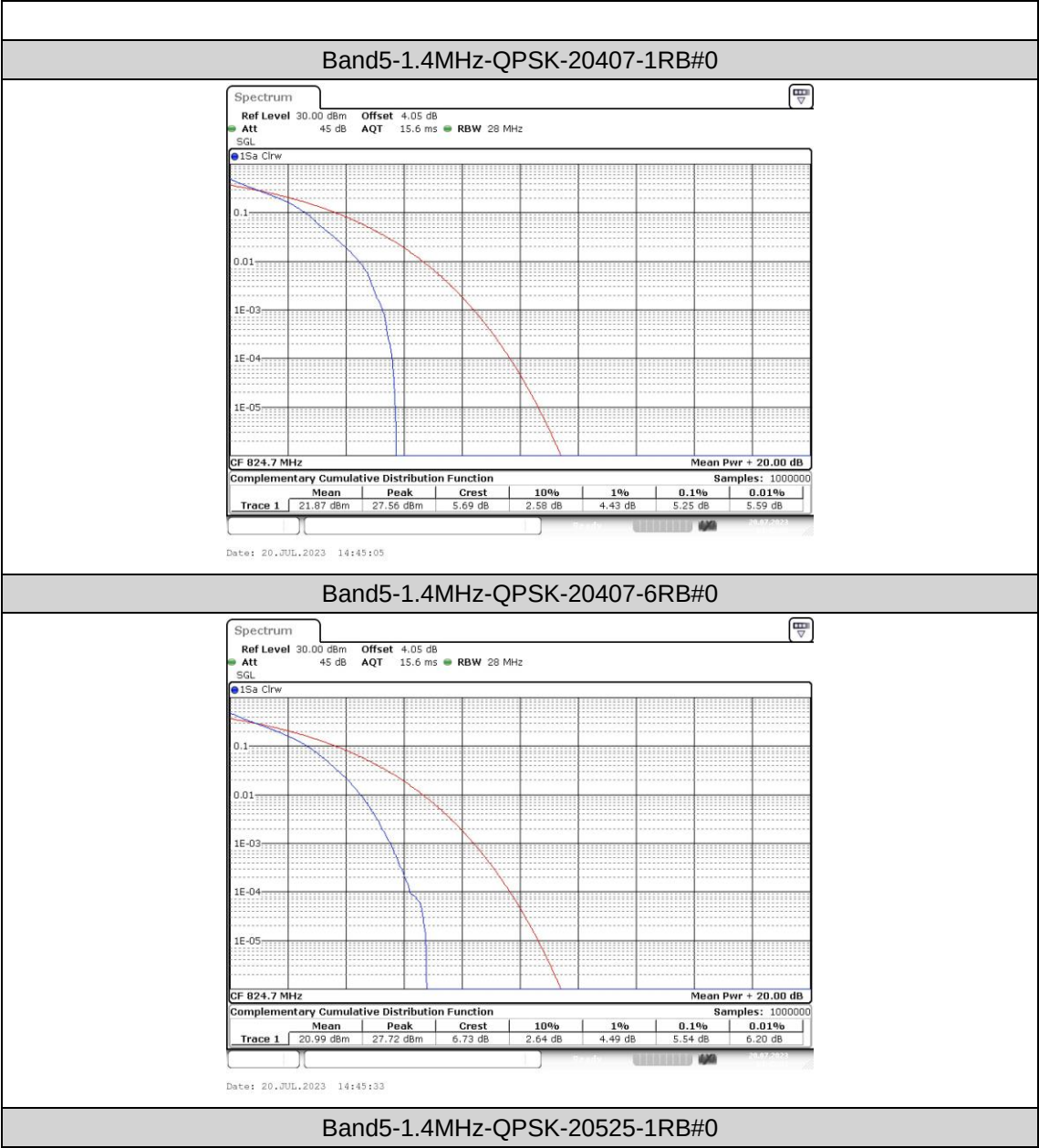
Appendix B: Peak-to-Average Ratio(CCDF)

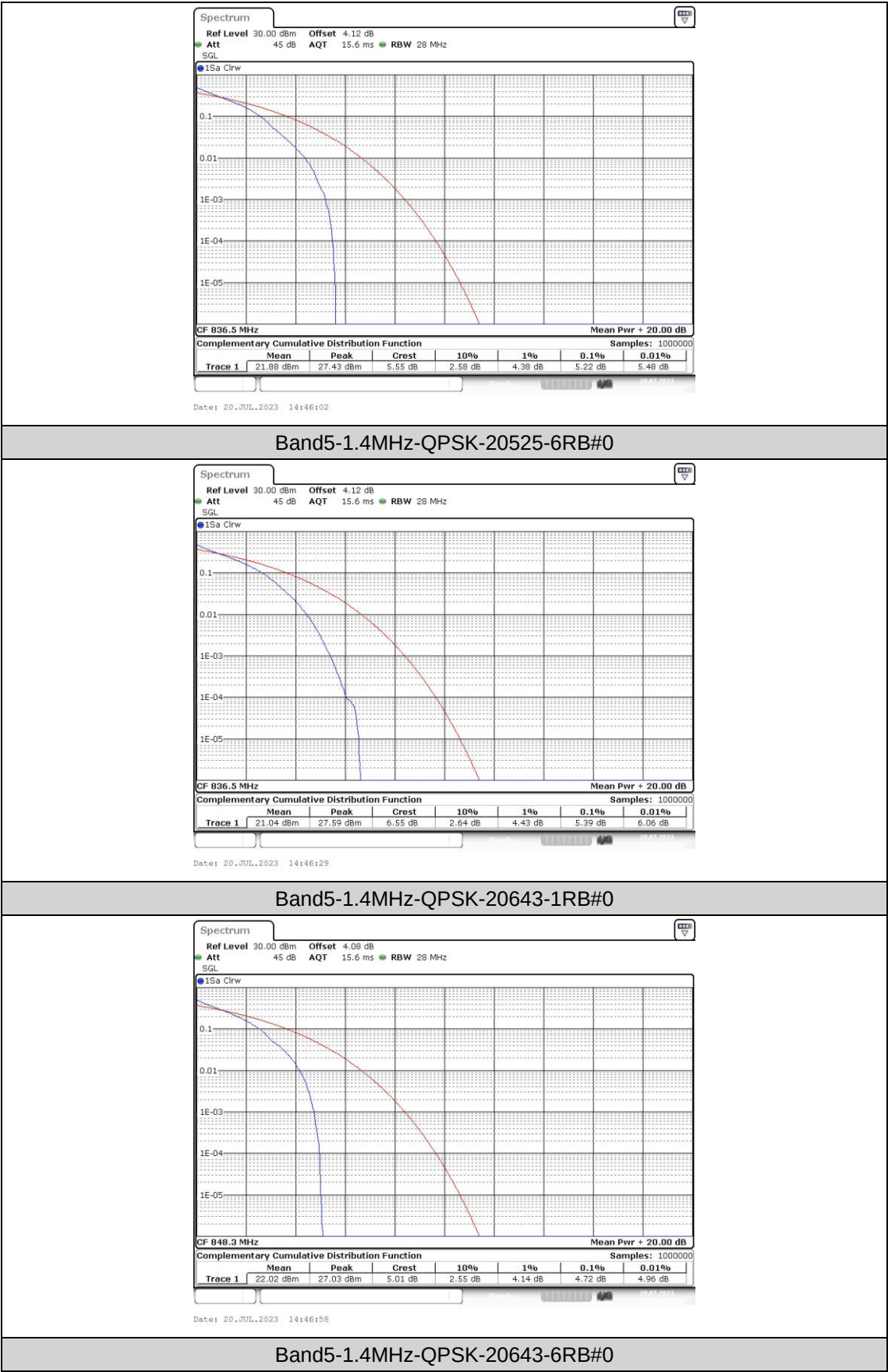
Test Result

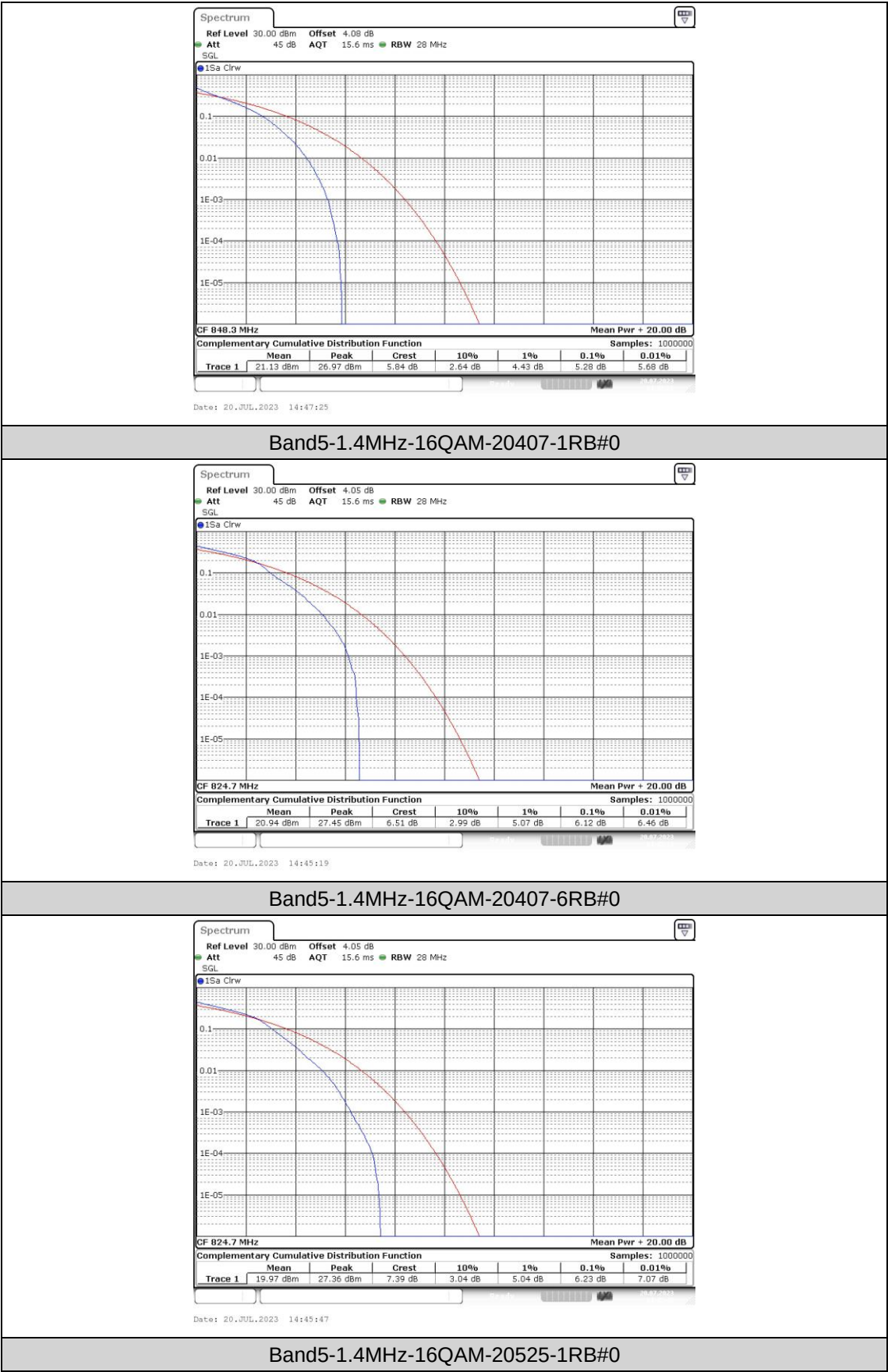
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band5	1.4MHz	QPSK	20407	1RB#0	5.25	13	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	5.54	13	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	5.22	13	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	5.39	13	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	4.72	13	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	5.28	13	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	6.12	13	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	6.23	13	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	5.94	13	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	6.12	13	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	5.36	13	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	6.09	13	PASS
Band5	3MHz	QPSK	20415	1RB#0	5.19	13	PASS
Band5	3MHz	QPSK	20415	15RB#0	5.51	13	PASS
Band5	3MHz	QPSK	20525	1RB#0	5.25	13	PASS
Band5	3MHz	QPSK	20525	15RB#0	5.45	13	PASS
Band5	3MHz	QPSK	20635	1RB#0	4.67	13	PASS
Band5	3MHz	QPSK	20635	15RB#0	5.28	13	PASS
Band5	3MHz	16QAM	20415	1RB#0	6.03	13	PASS
Band5	3MHz	16QAM	20415	15RB#0	6.35	13	PASS
Band5	3MHz	16QAM	20525	1RB#0	6.09	13	PASS
Band5	3MHz	16QAM	20525	15RB#0	6.26	13	PASS
Band5	3MHz	16QAM	20635	1RB#0	5.36	13	PASS
Band5	3MHz	16QAM	20635	15RB#0	6.17	13	PASS
Band5	5MHz	QPSK	20425	1RB#0	5.36	13	PASS
Band5	5MHz	QPSK	20425	25RB#0	5.59	13	PASS
Band5	5MHz	QPSK	20525	1RB#0	5.68	13	PASS
Band5	5MHz	QPSK	20525	25RB#0	5.57	13	PASS
Band5	5MHz	QPSK	20625	1RB#0	4.96	13	PASS
Band5	5MHz	QPSK	20625	25RB#0	5.39	13	PASS
Band5	5MHz	16QAM	20425	1RB#0	5.80	13	PASS
Band5	5MHz	16QAM	20425	25RB#0	6.29	13	PASS
Band5	5MHz	16QAM	20525	1RB#0	6.06	13	PASS
Band5	5MHz	16QAM	20525	25RB#0	6.26	13	PASS
Band5	5MHz	16QAM	20625	1RB#0	5.62	13	PASS
Band5	5MHz	16QAM	20625	25RB#0	6.17	13	PASS

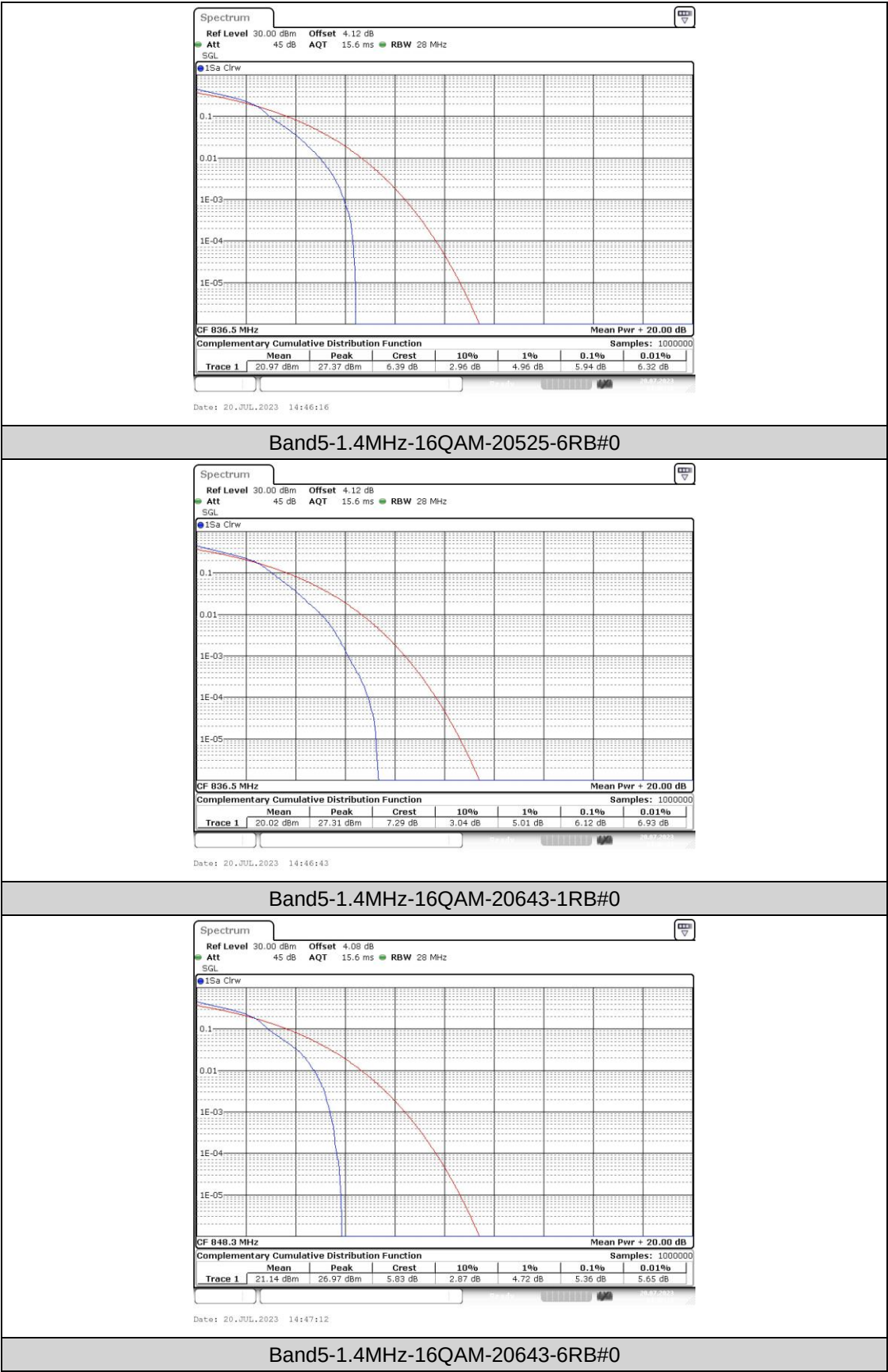
Band5	10MHz	QPSK	20450	1RB#0	5.22	13	PASS
Band5	10MHz	QPSK	20450	50RB#0	5.59	13	PASS
Band5	10MHz	QPSK	20525	1RB#0	5.48	13	PASS
Band5	10MHz	QPSK	20525	50RB#0	5.59	13	PASS
Band5	10MHz	QPSK	20600	1RB#0	4.64	13	PASS
Band5	10MHz	QPSK	20600	50RB#0	5.36	13	PASS
Band5	10MHz	16QAM	20450	1RB#0	5.97	13	PASS
Band5	10MHz	16QAM	20450	50RB#0	6.32	13	PASS
Band5	10MHz	16QAM	20525	1RB#0	6.26	13	PASS
Band5	10MHz	16QAM	20525	50RB#0	6.32	13	PASS
Band5	10MHz	16QAM	20600	1RB#0	5.33	13	PASS
Band5	10MHz	16QAM	20600	50RB#0	6.17	13	PASS

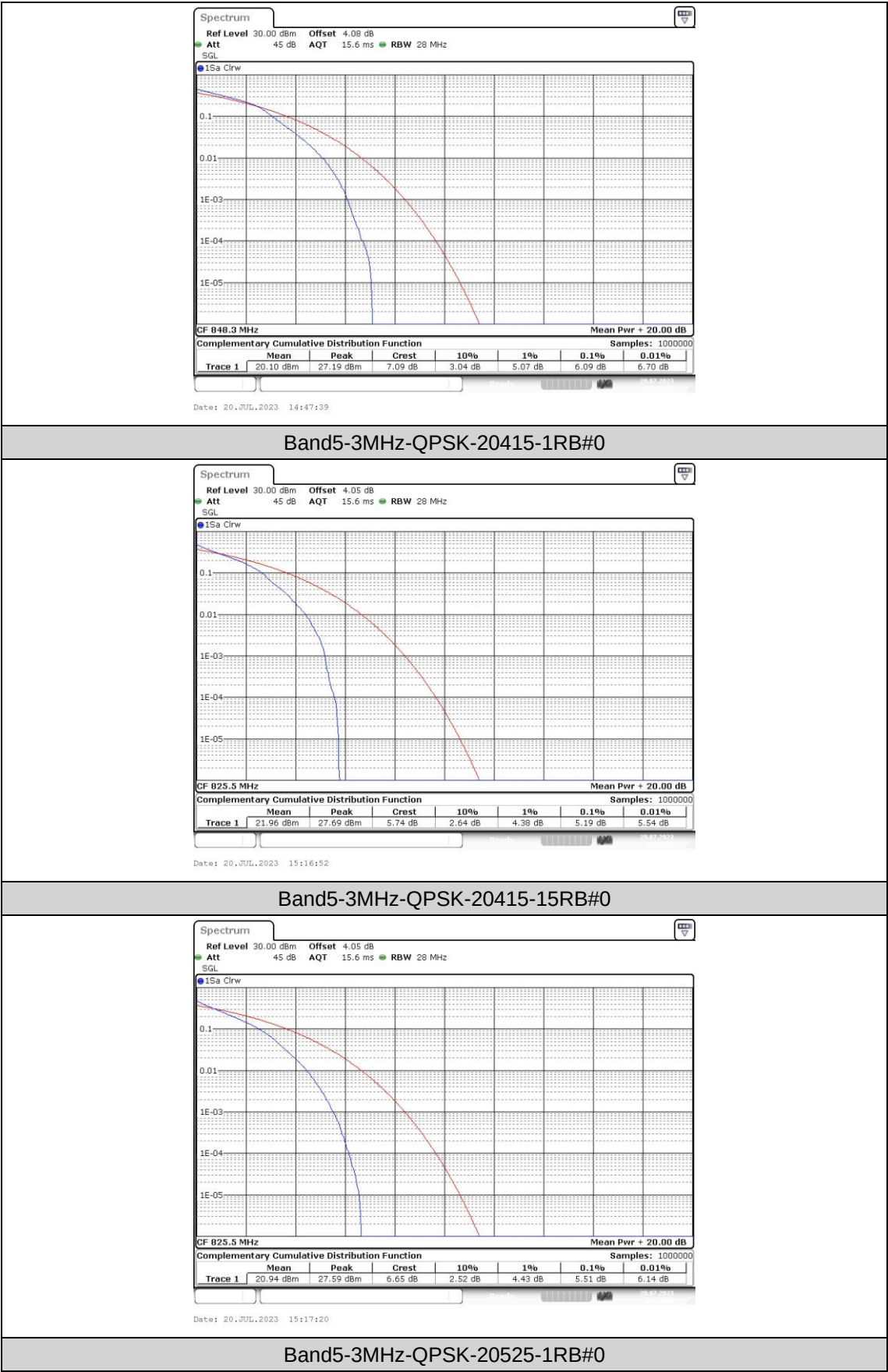
Test Graphs

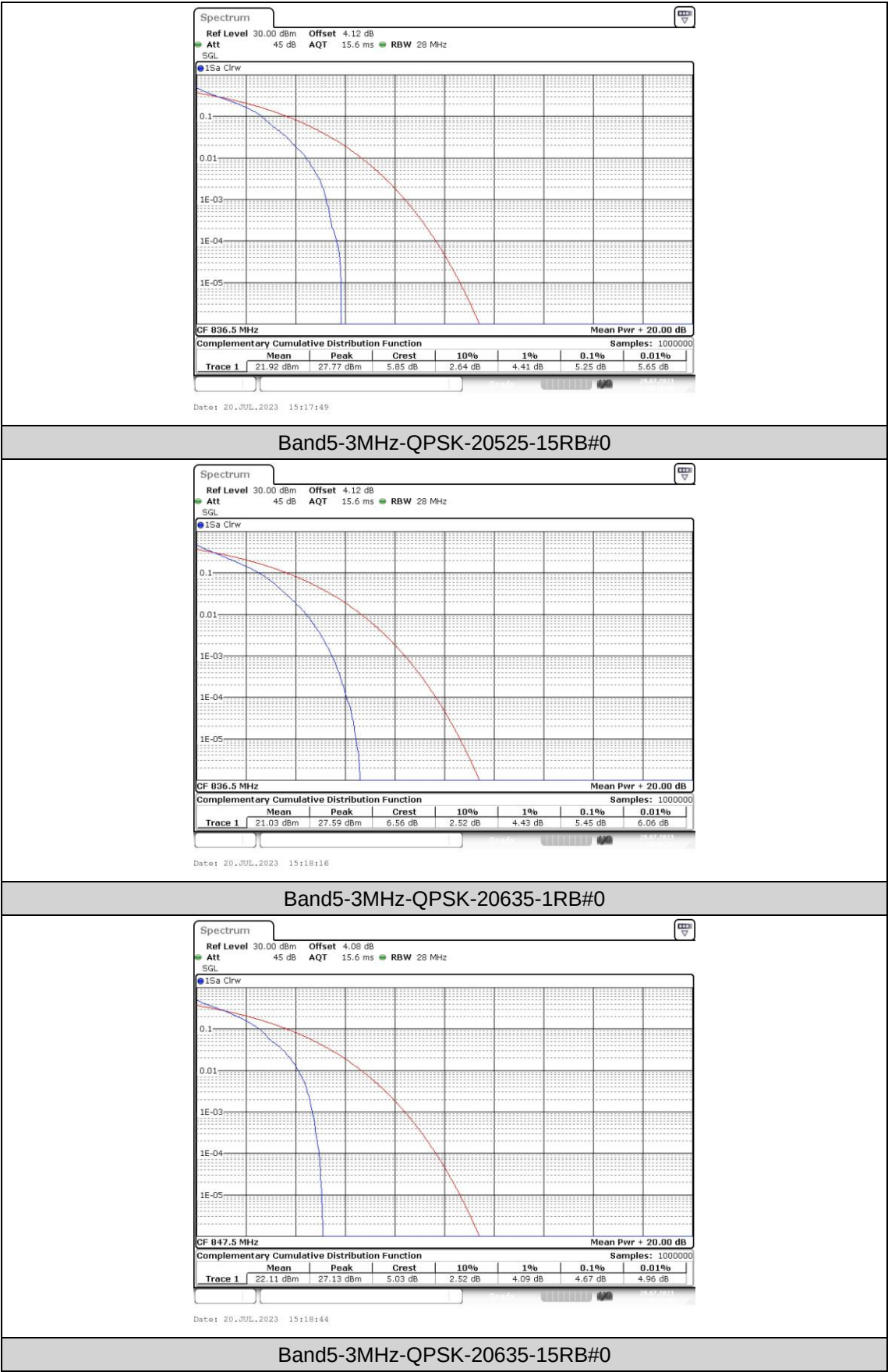


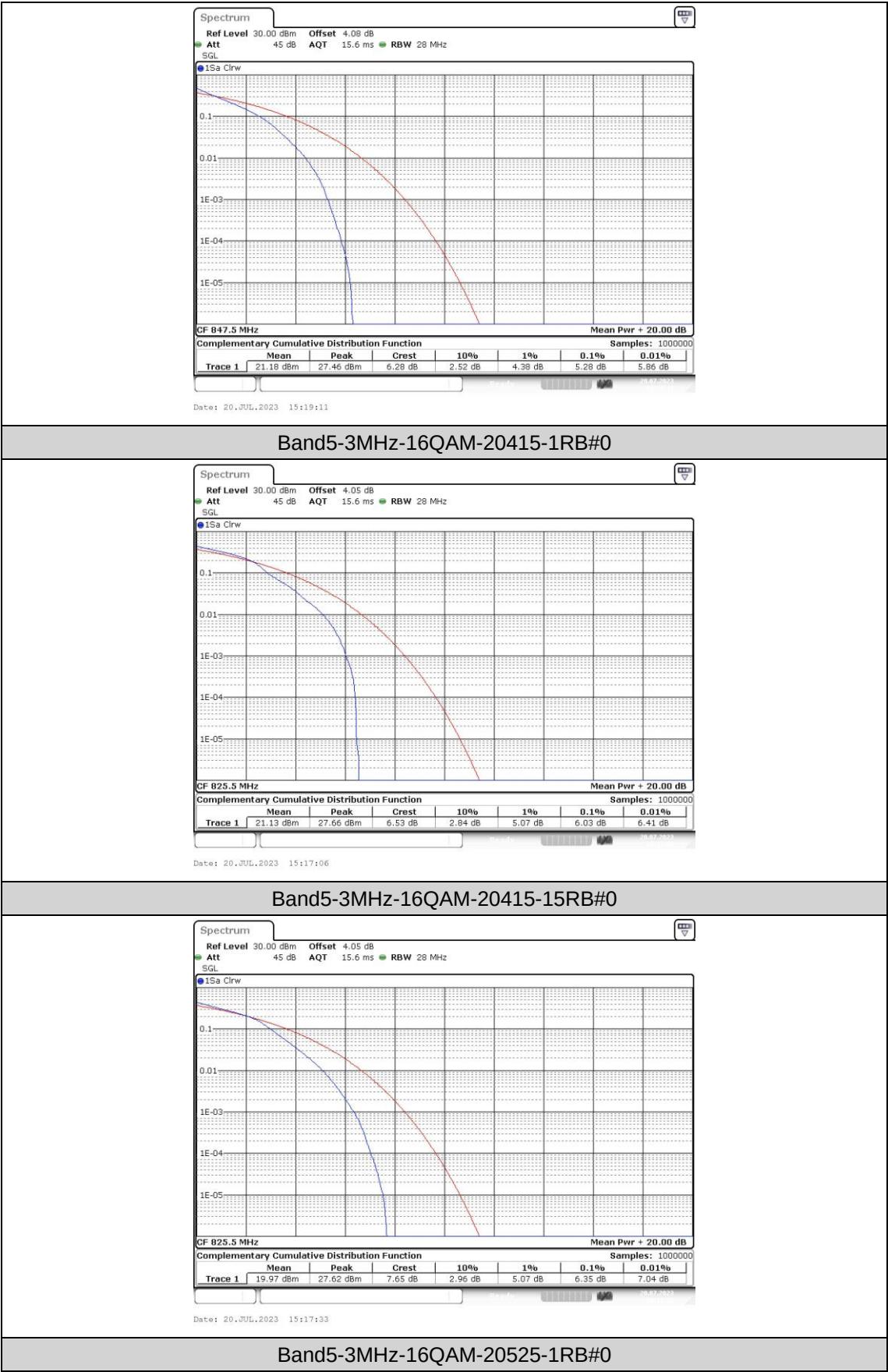


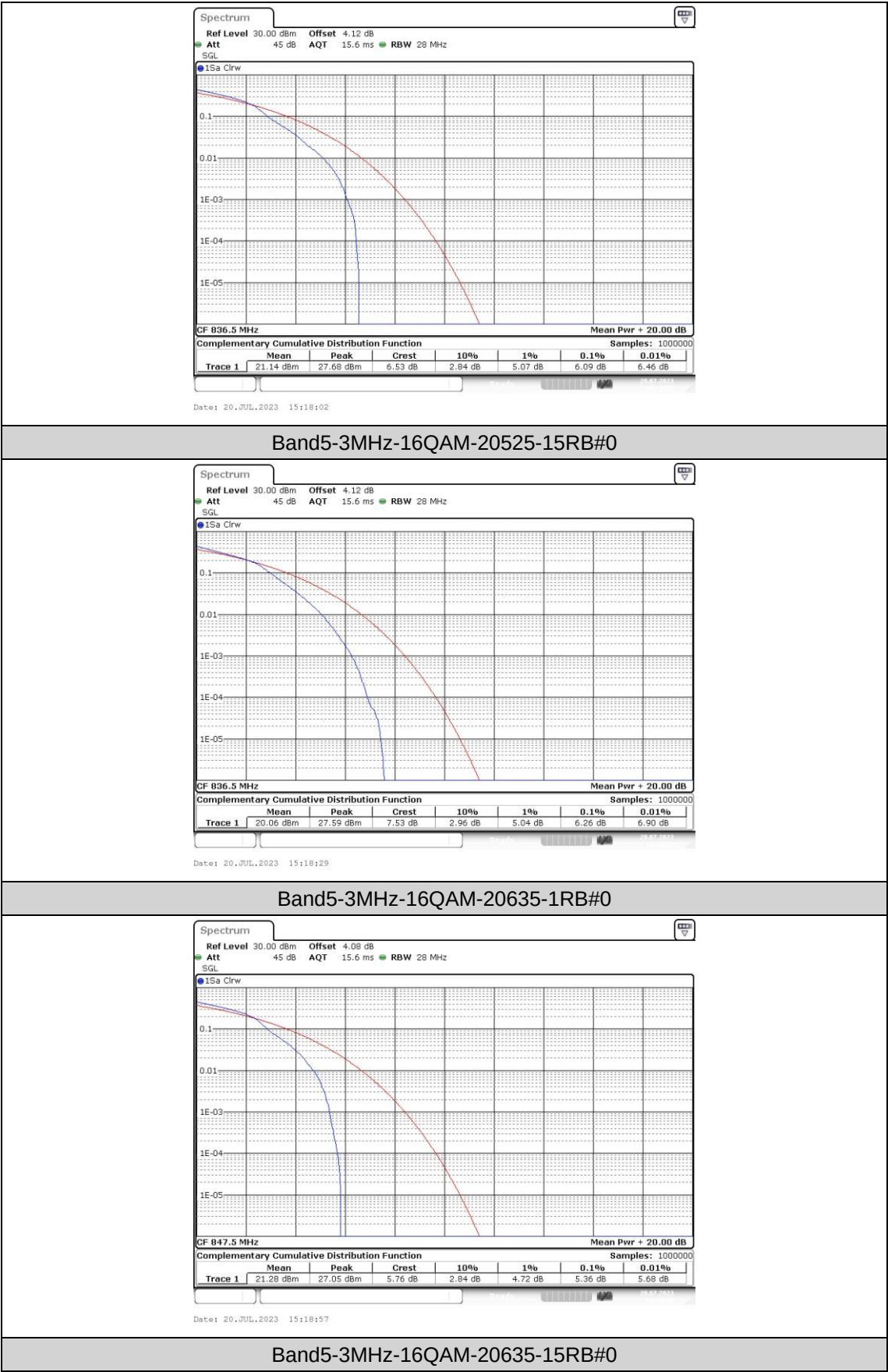


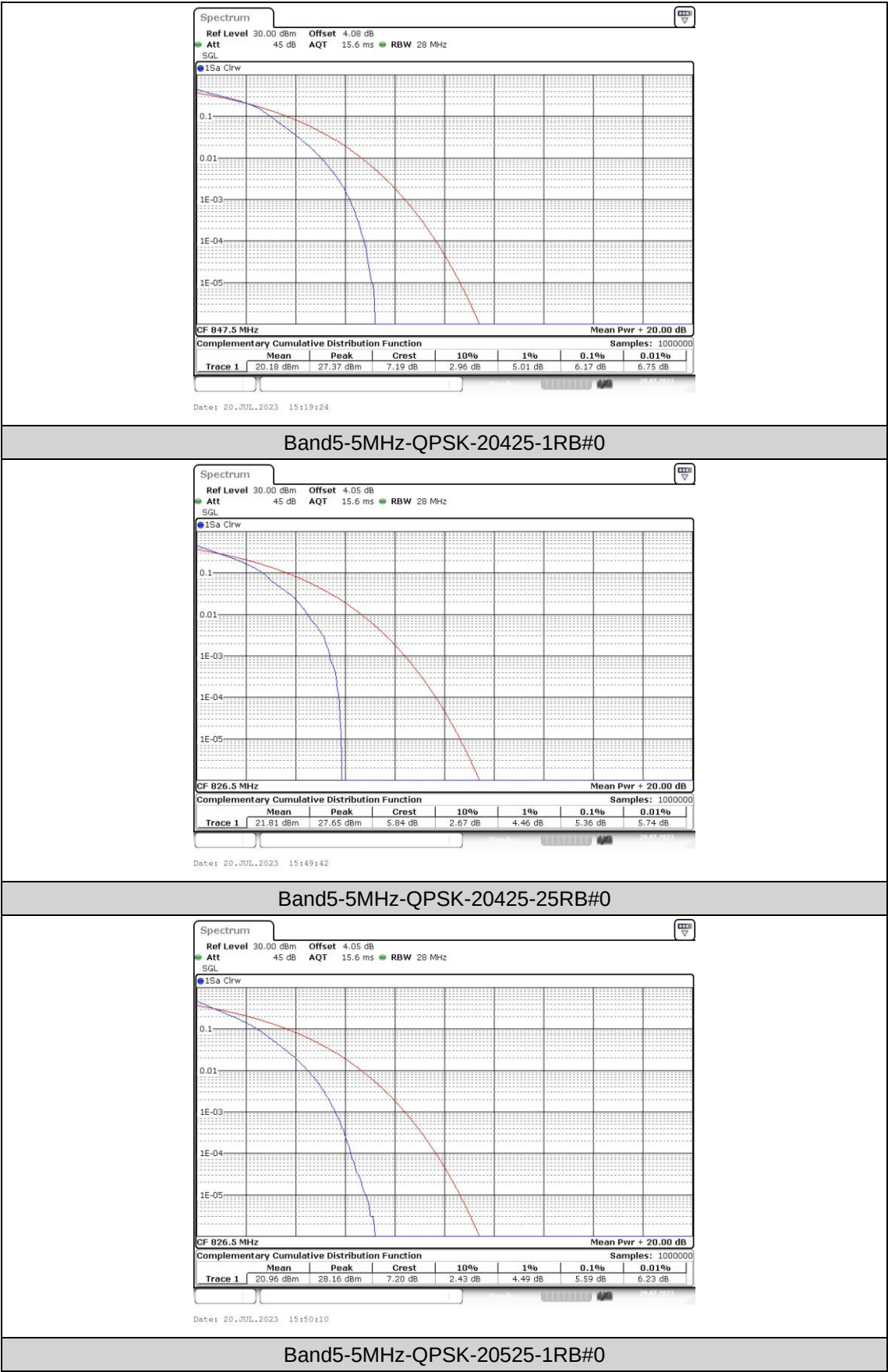


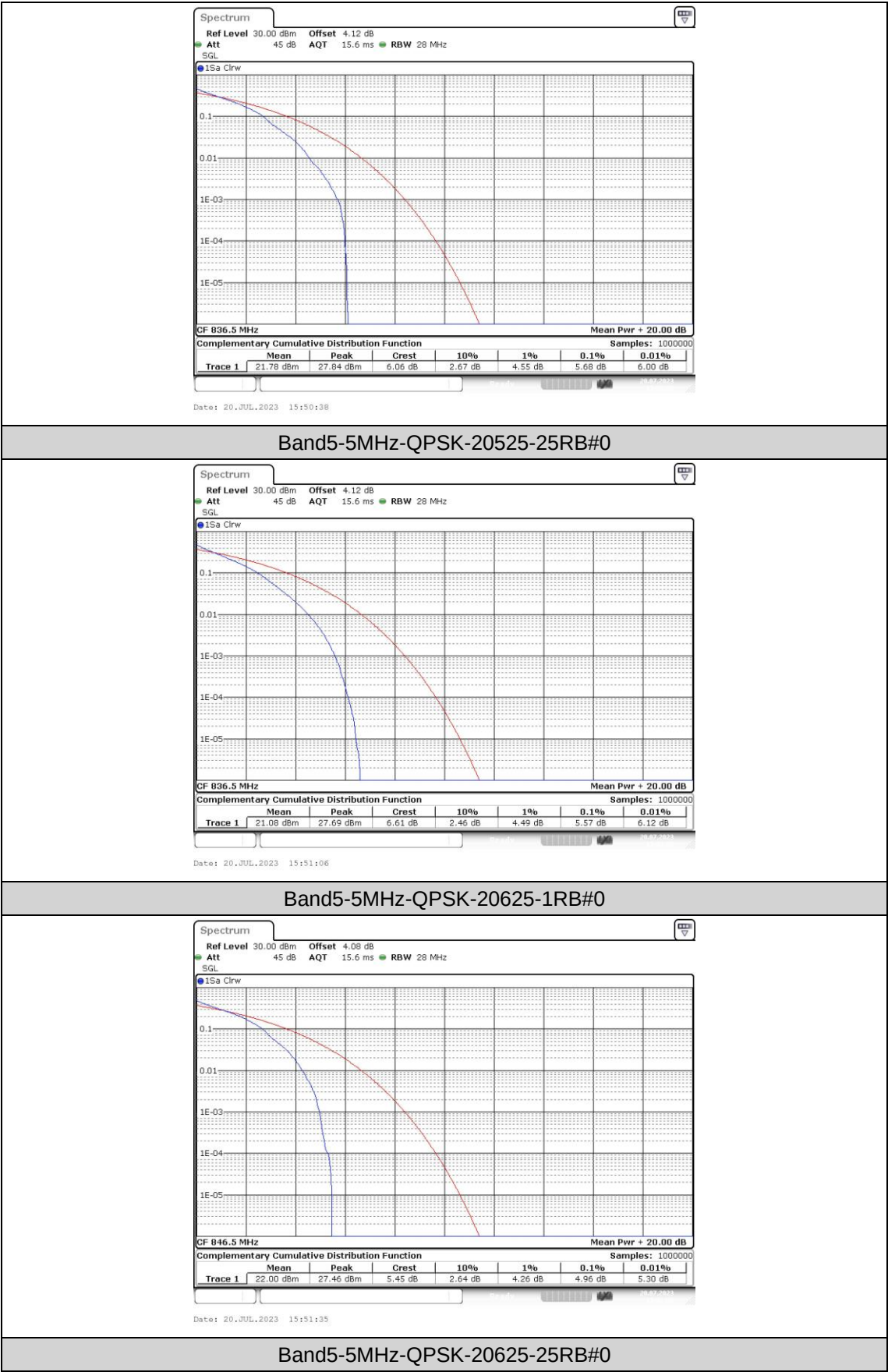


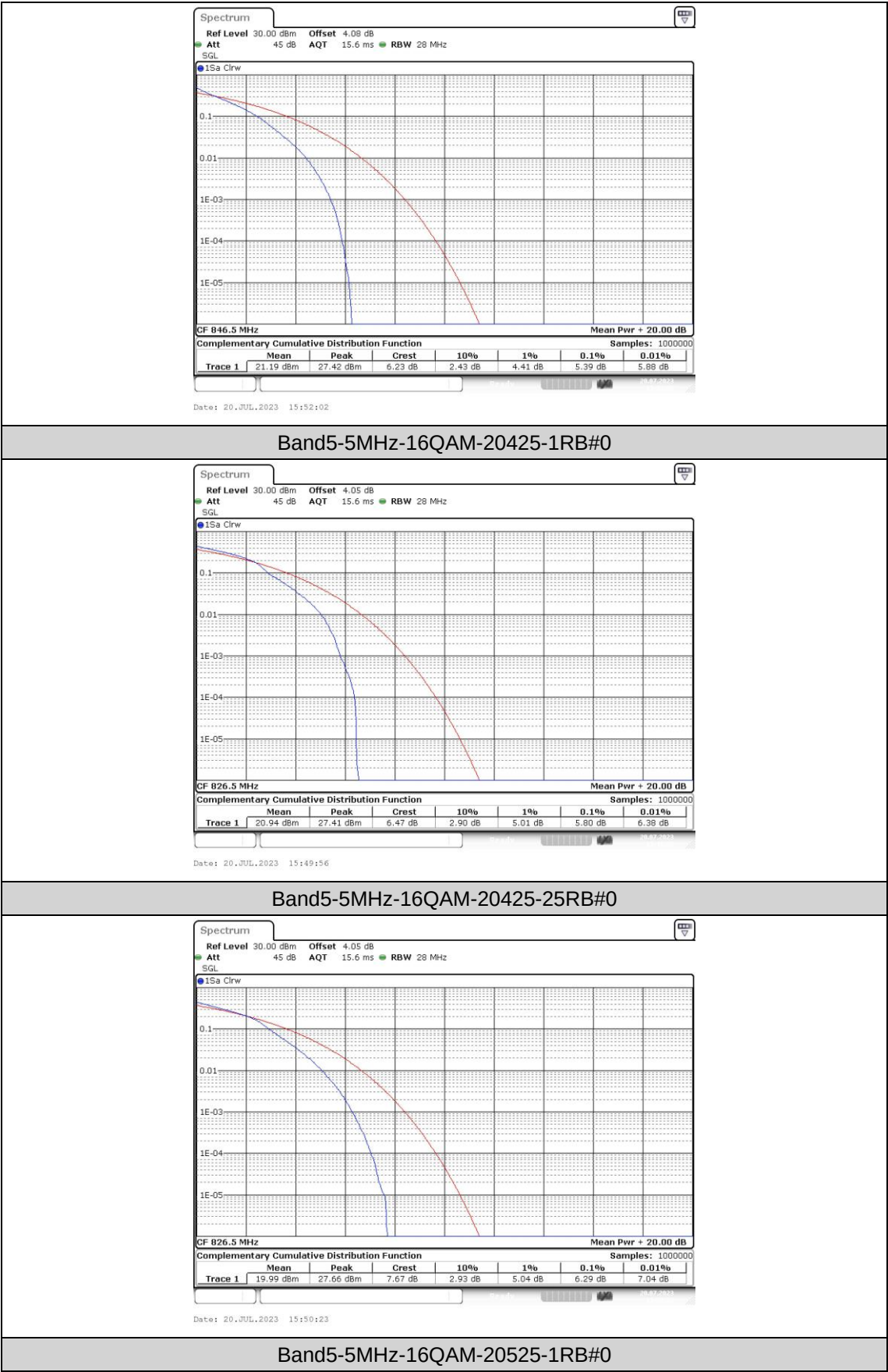


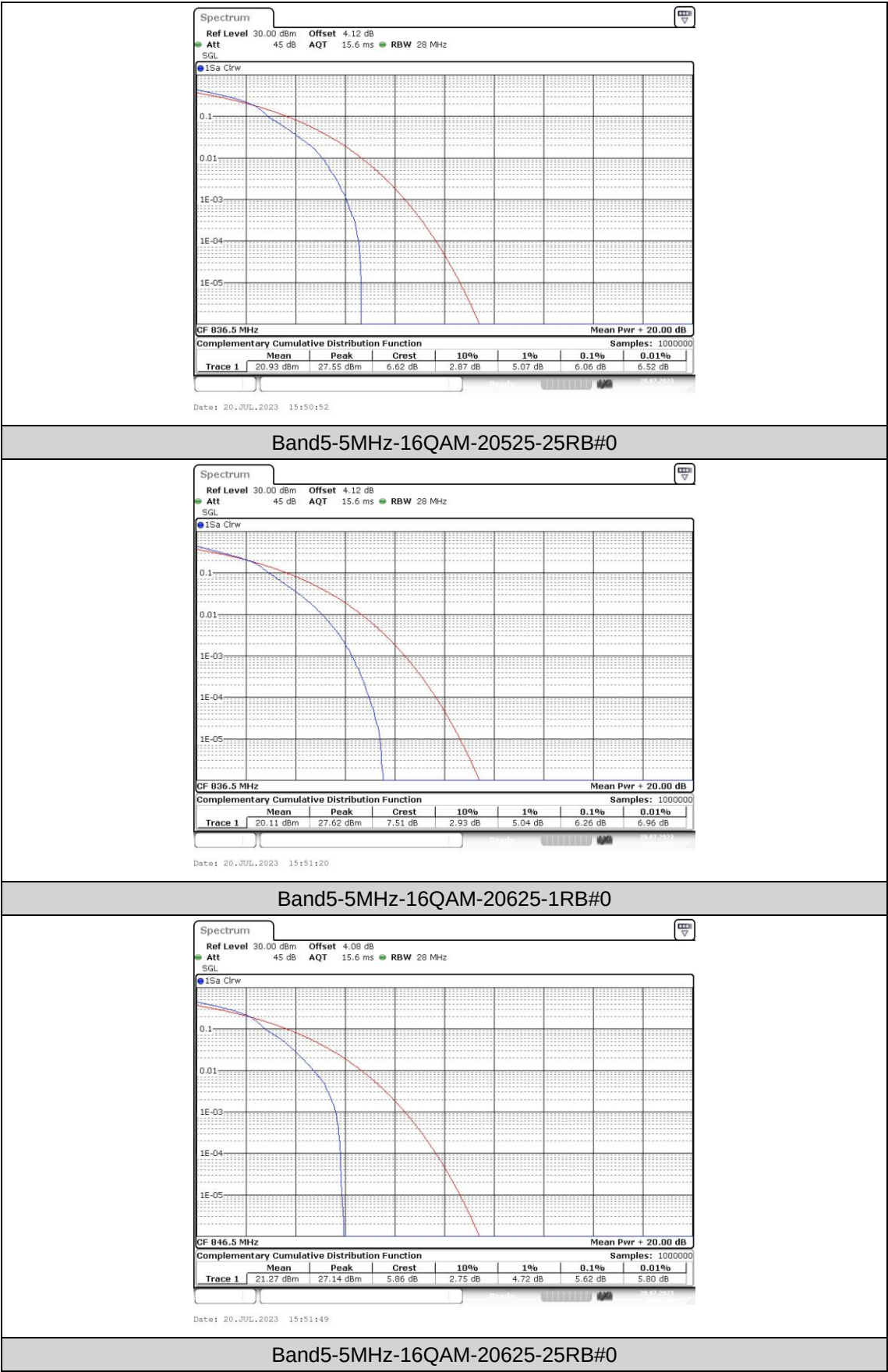


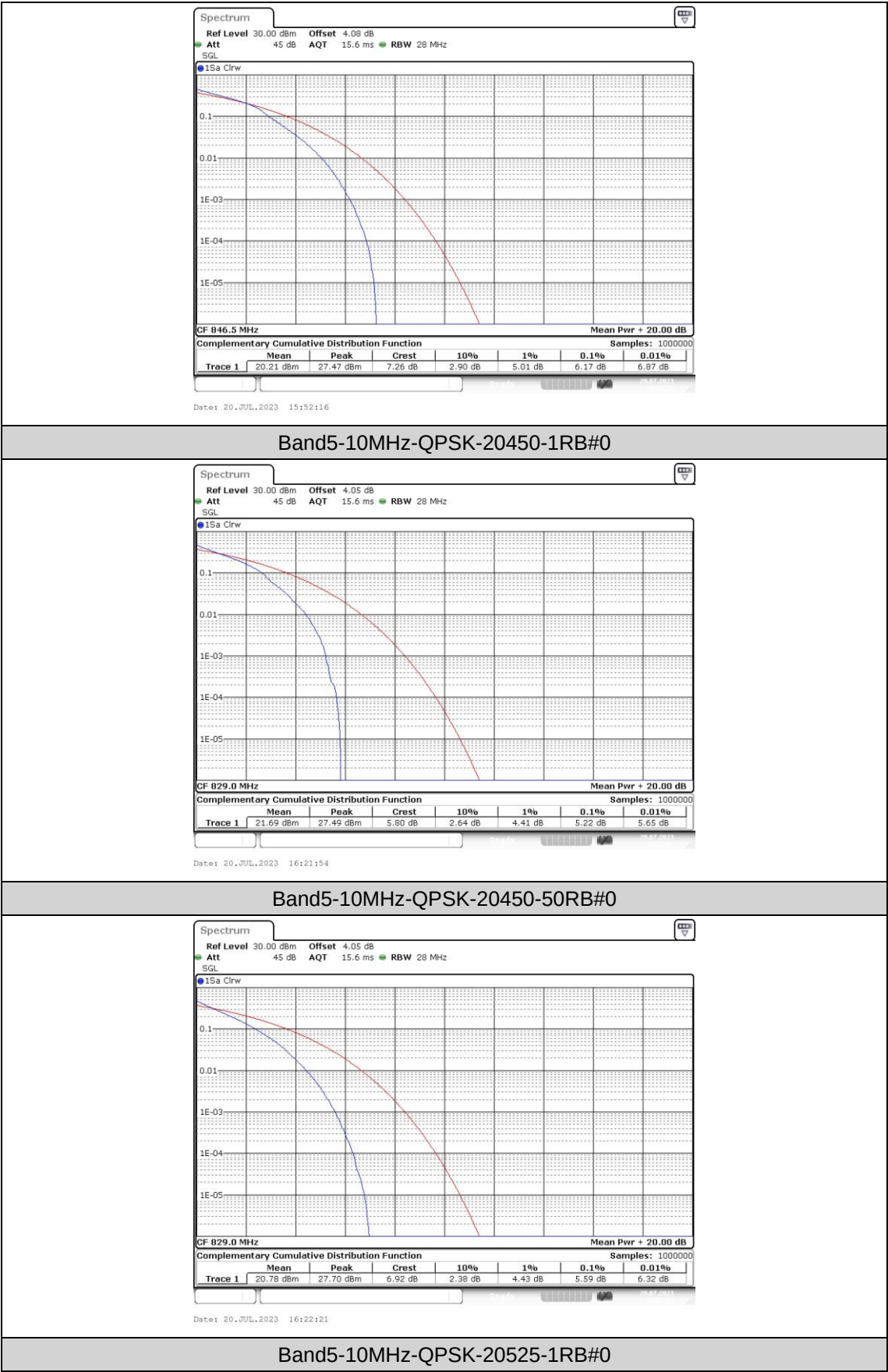


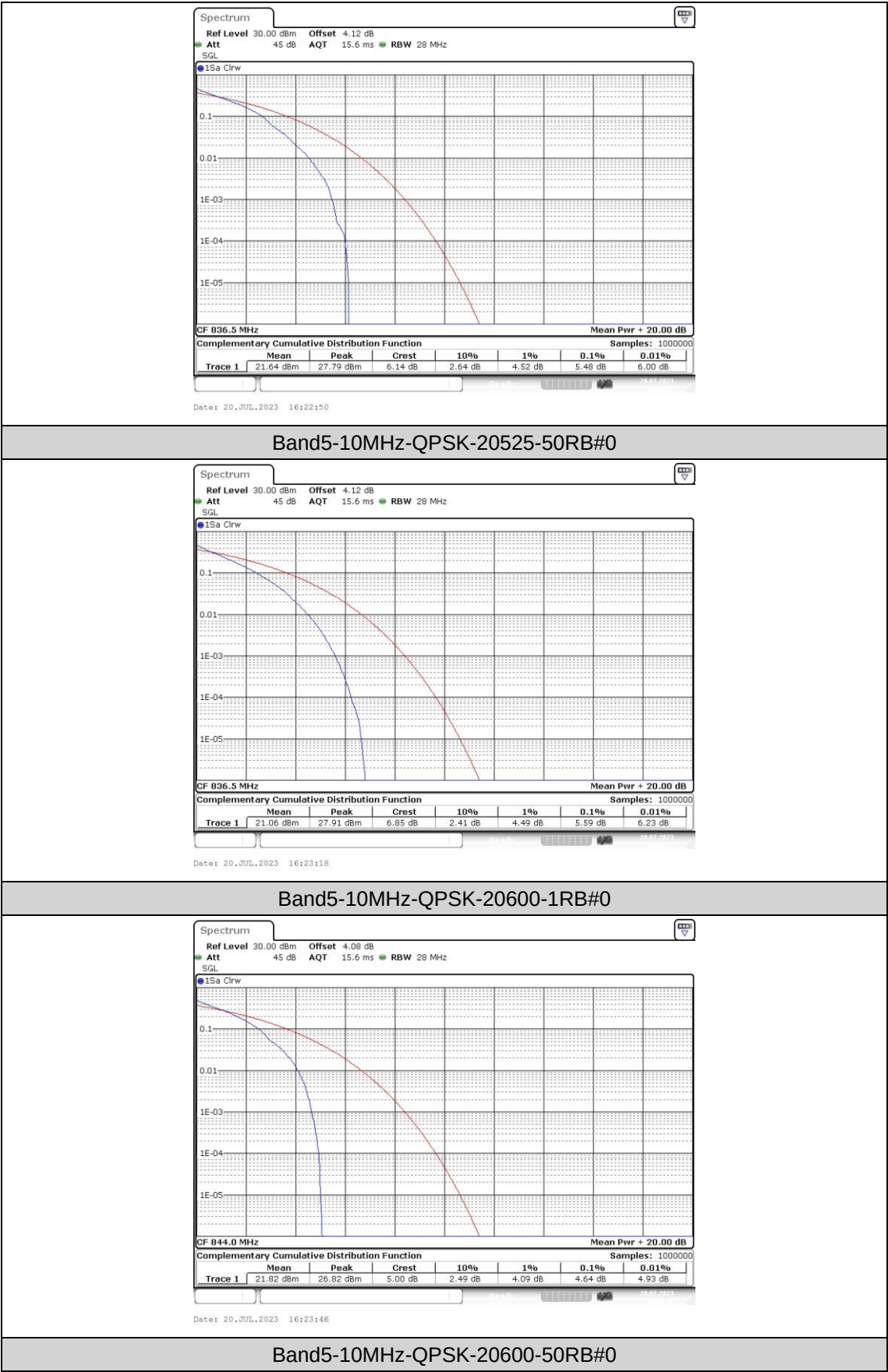


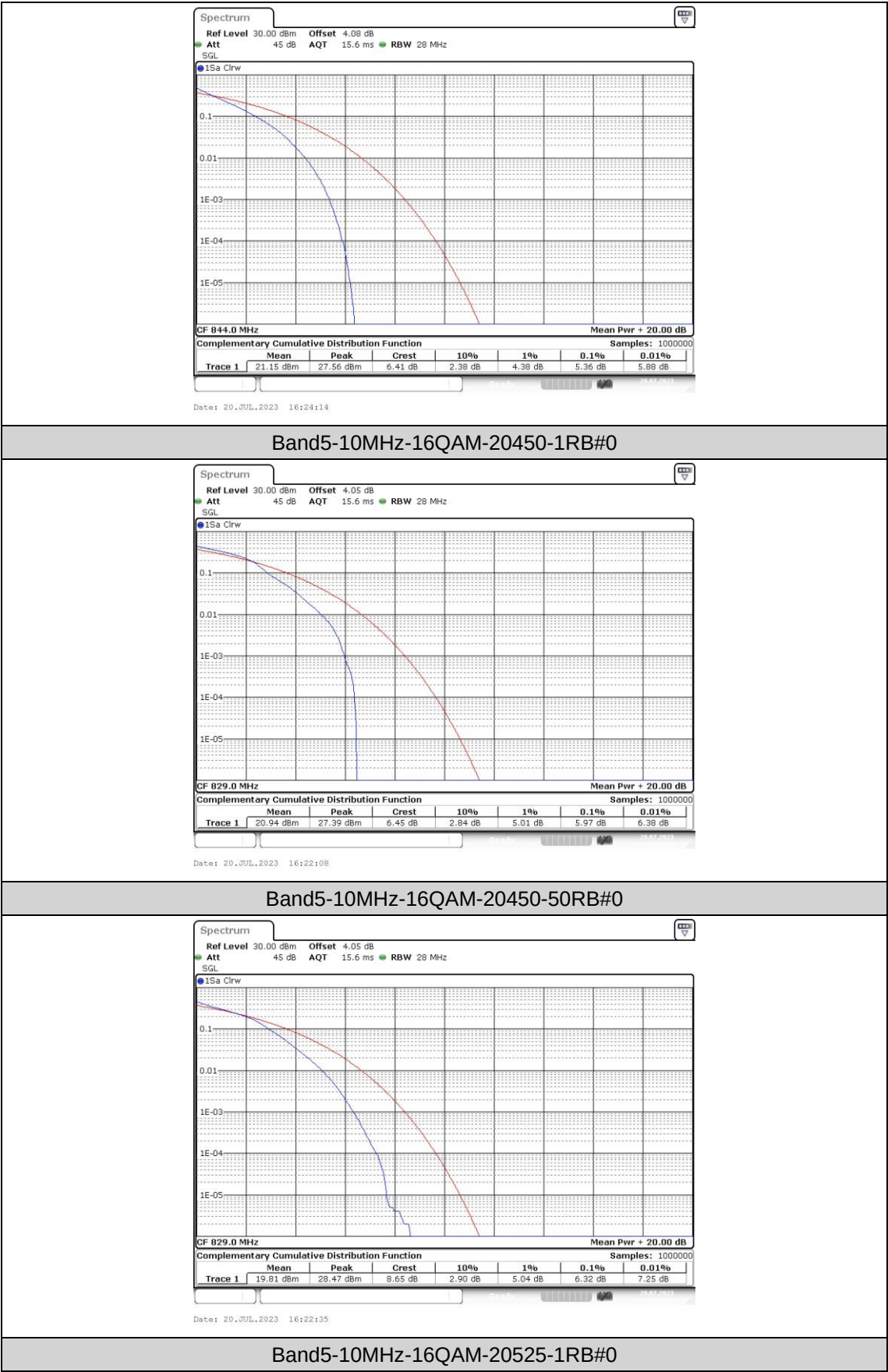


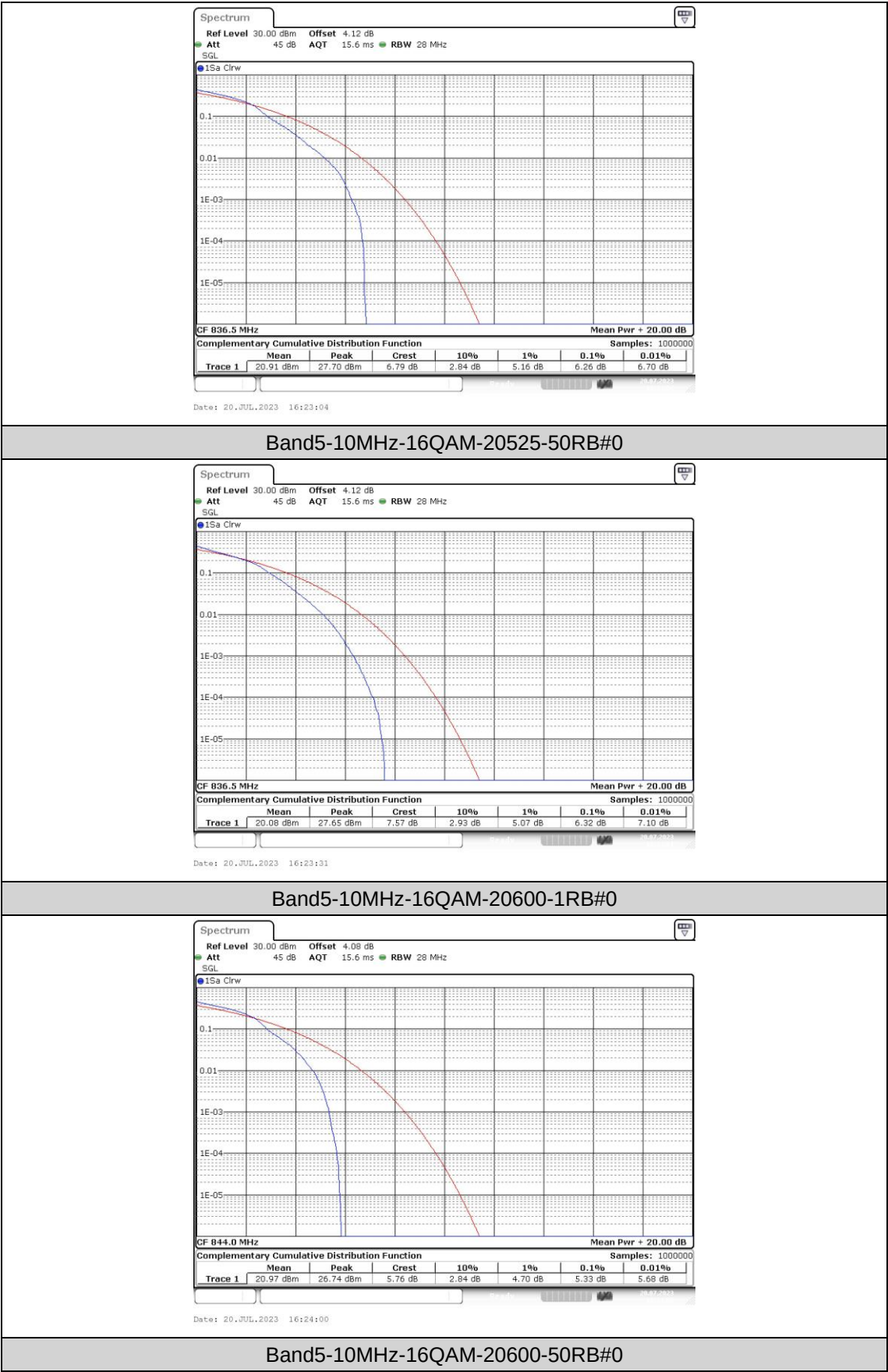












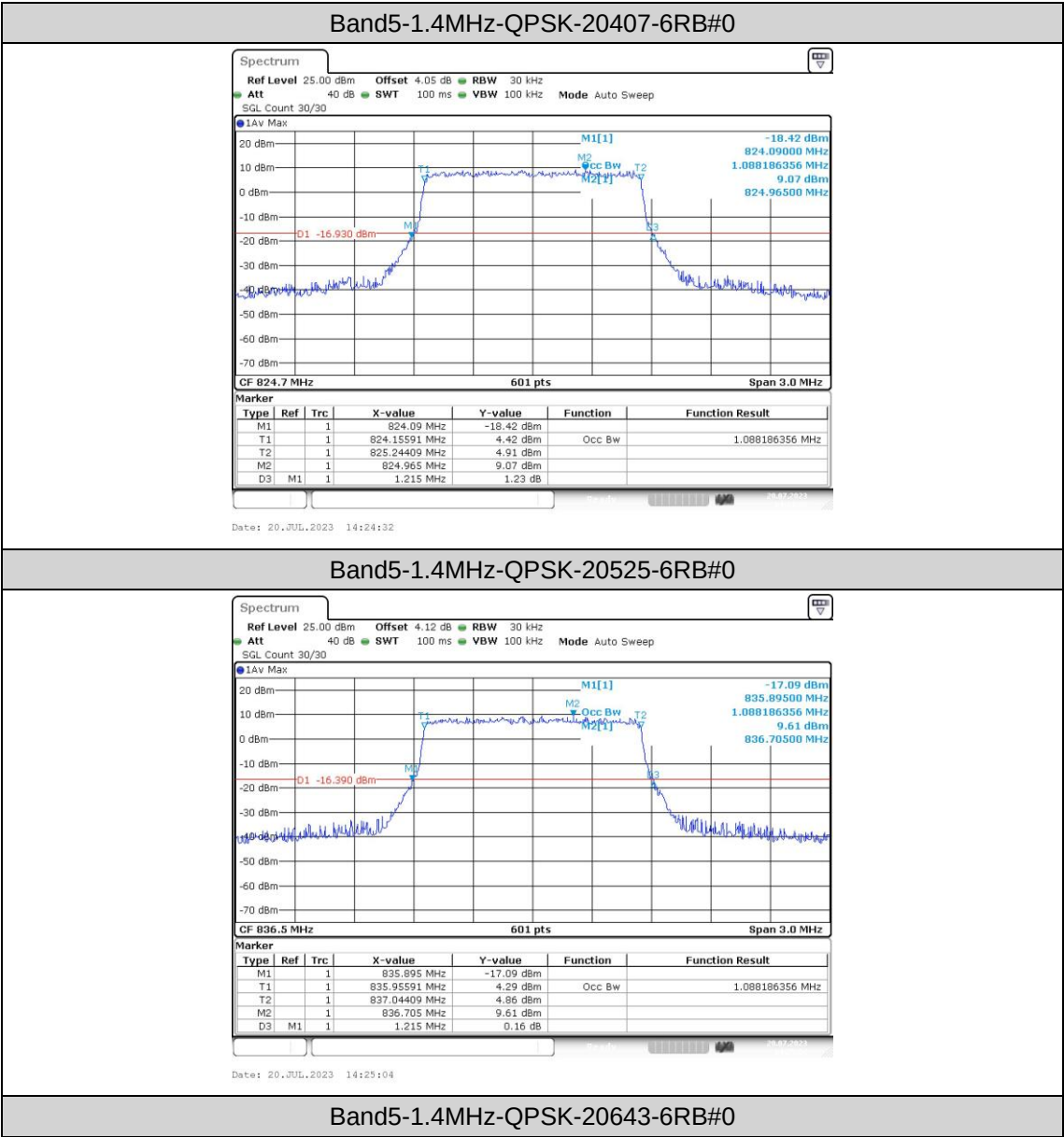


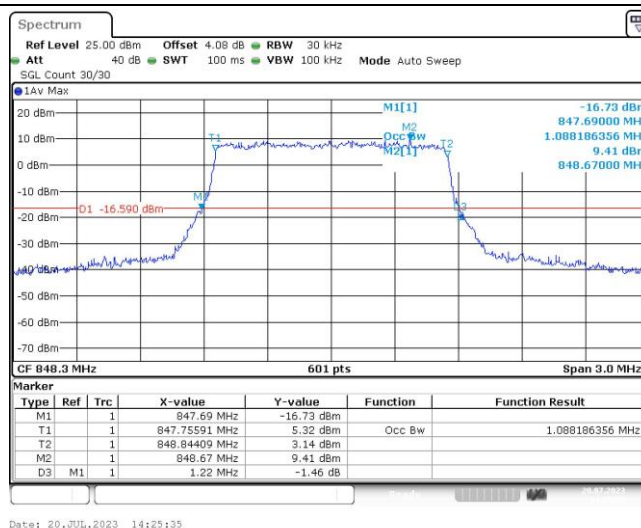
Appendix C: 26dB Bandwidth and Occupied Bandwidth

Test Result

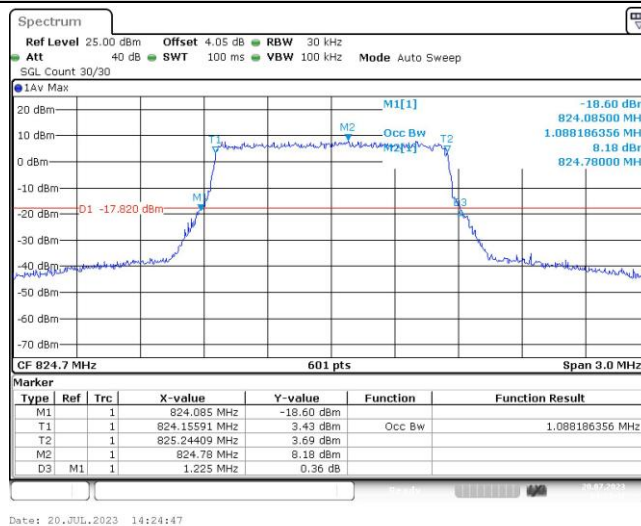
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band5	1.4MHz	QPSK	20407	6RB#0	1.088	1.22	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	1.088	1.22	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	1.088	1.22	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	1.088	1.23	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	1.088	1.21	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	1.088	1.23	PASS
Band5	3MHz	QPSK	20415	15RB#0	2.676	2.84	PASS
Band5	3MHz	QPSK	20525	15RB#0	2.686	2.84	PASS
Band5	3MHz	QPSK	20635	15RB#0	2.696	2.86	PASS
Band5	3MHz	16QAM	20415	15RB#0	2.676	2.84	PASS
Band5	3MHz	16QAM	20525	15RB#0	2.686	2.84	PASS
Band5	3MHz	16QAM	20635	15RB#0	2.686	2.85	PASS
Band5	5MHz	QPSK	20425	25RB#0	4.496	4.78	PASS
Band5	5MHz	QPSK	20525	25RB#0	4.496	4.78	PASS
Band5	5MHz	QPSK	20625	25RB#0	4.505	4.77	PASS
Band5	5MHz	16QAM	20425	25RB#0	4.505	4.76	PASS
Band5	5MHz	16QAM	20525	25RB#0	4.515	4.78	PASS
Band5	5MHz	16QAM	20625	25RB#0	4.496	4.78	PASS
Band5	10MHz	QPSK	20450	50RB#0	8.985	9.53	PASS
Band5	10MHz	QPSK	20525	50RB#0	8.985	9.53	PASS
Band5	10MHz	QPSK	20600	50RB#0	8.985	9.57	PASS
Band5	10MHz	16QAM	20450	50RB#0	8.985	9.53	PASS
Band5	10MHz	16QAM	20525	50RB#0	8.985	9.53	PASS
Band5	10MHz	16QAM	20600	50RB#0	8.985	9.53	PASS

Test Graphs

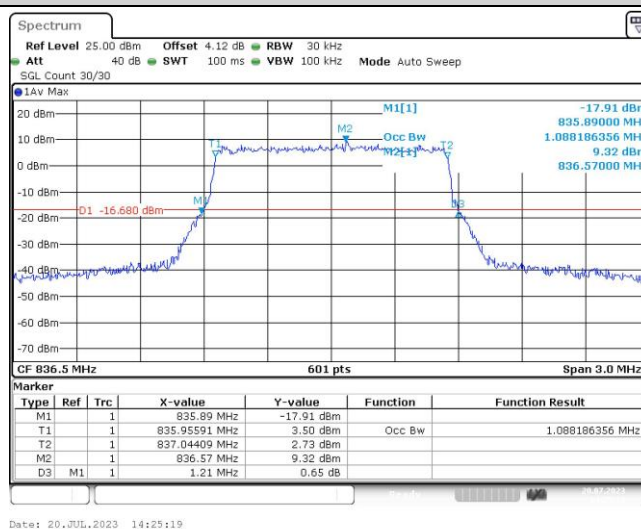




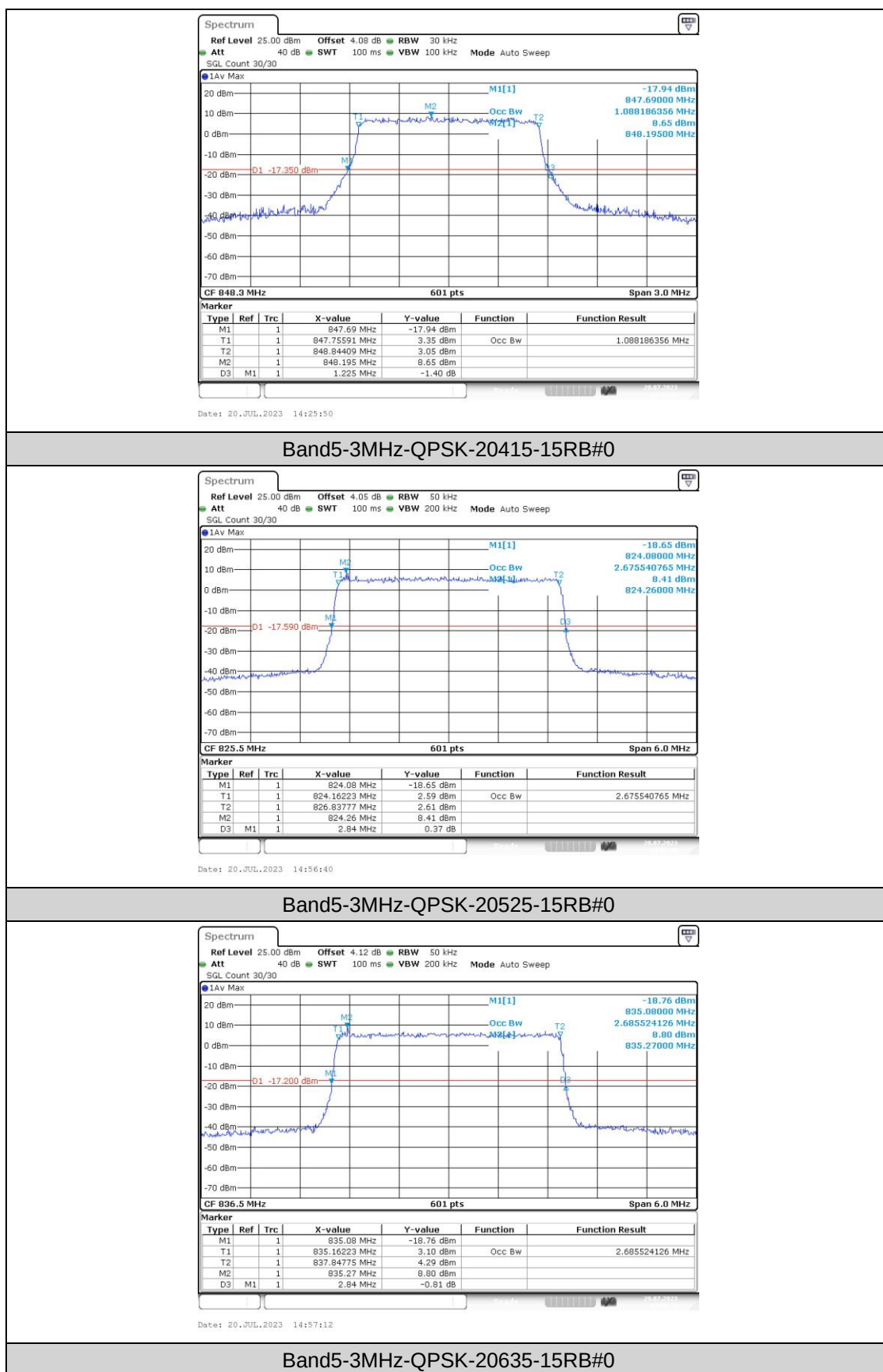
Band5-1.4MHz-16QAM-20407-6RB#0

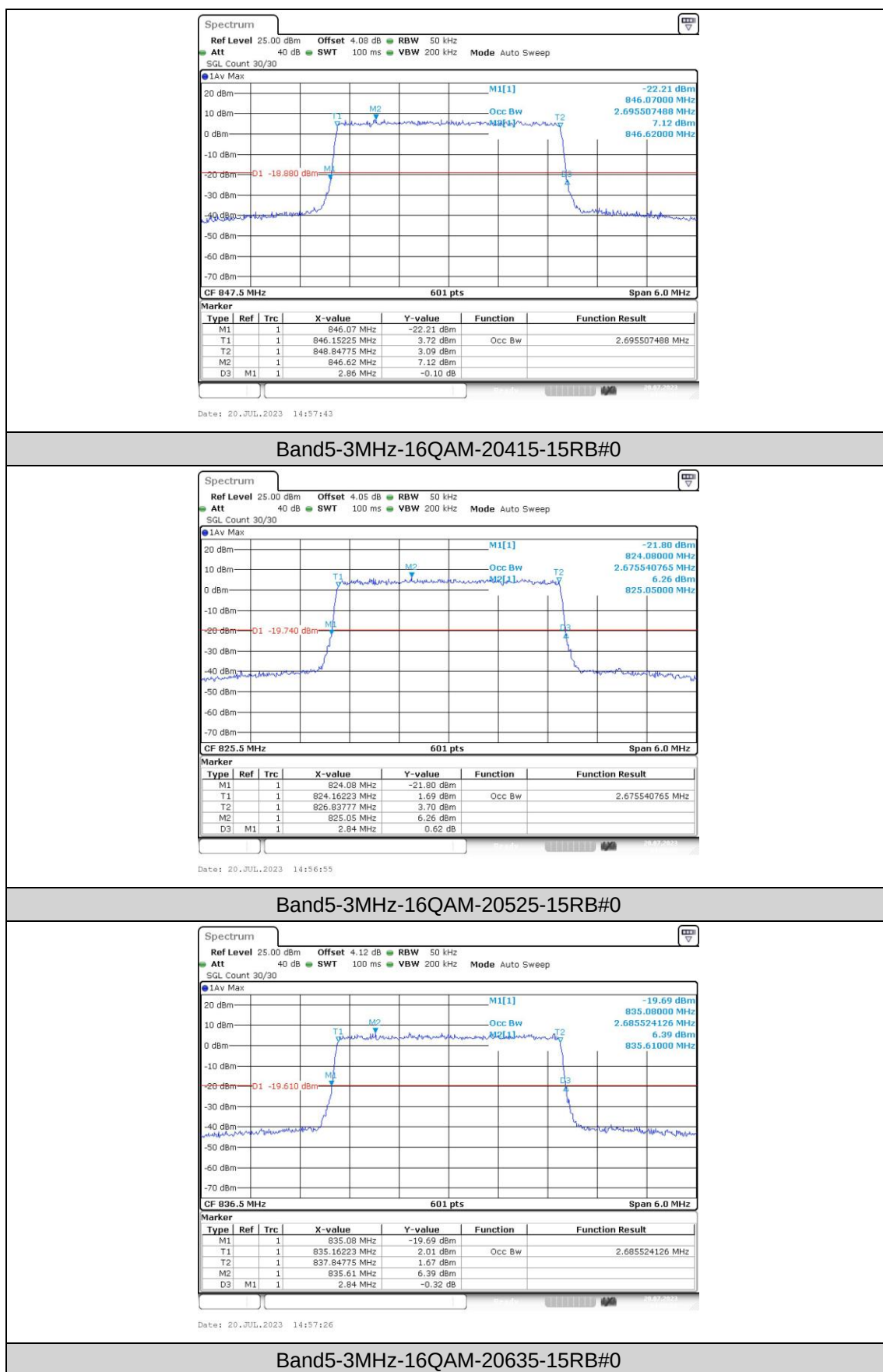


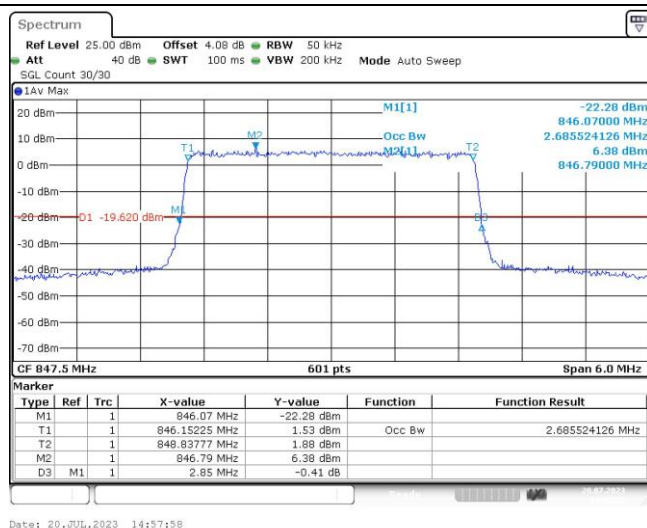
Band5-1.4MHz-16QAM-20525-6RB#0



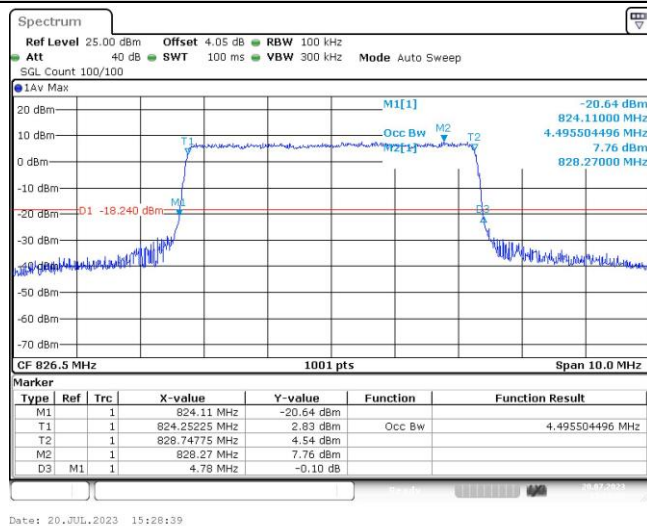
Band5-1.4MHz-16QAM-20643-6RB#0



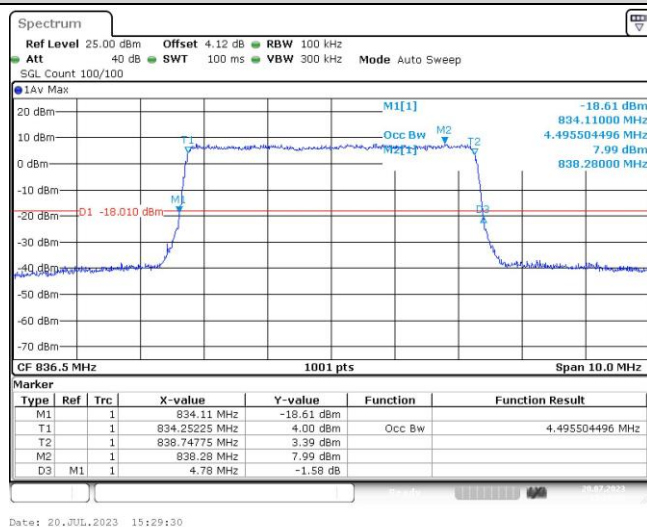




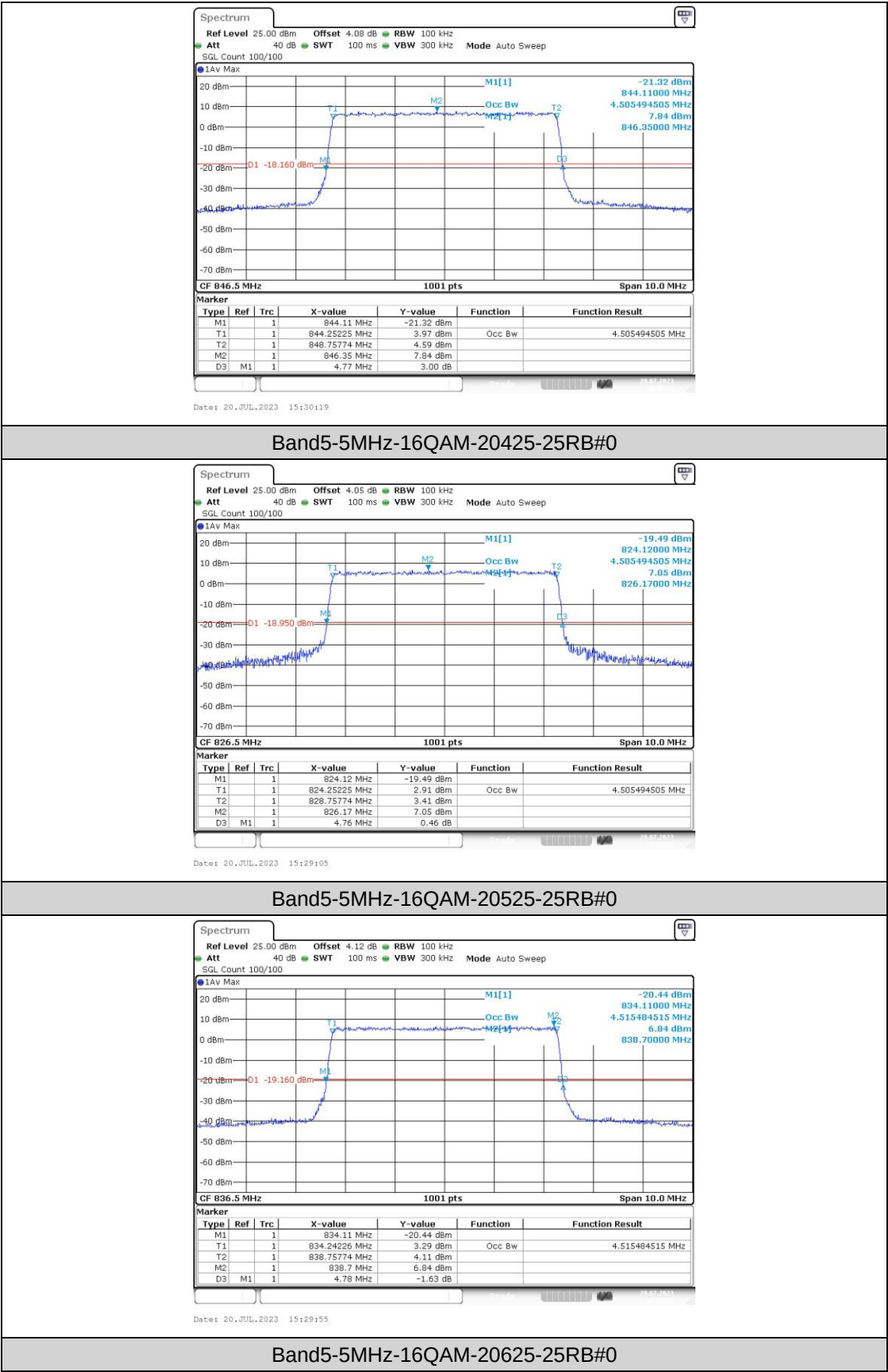
Band5-5MHz-QPSK-20425-25RB#0

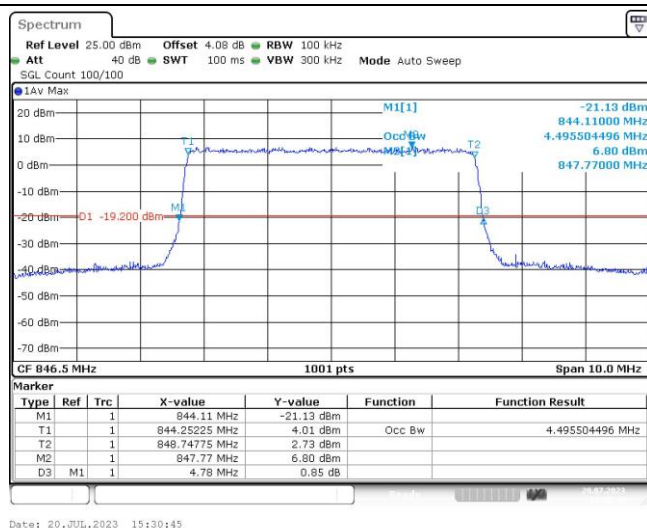


Band5-5MHz-QPSK-20525-25RB#0

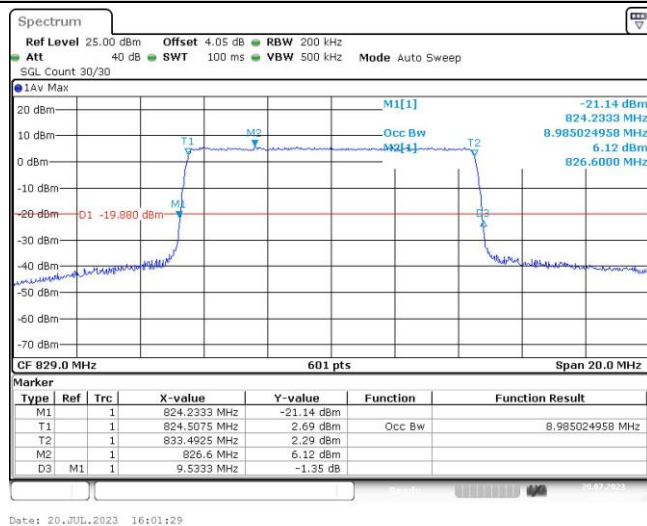


Band5-5MHz-QPSK-20625-25RB#0

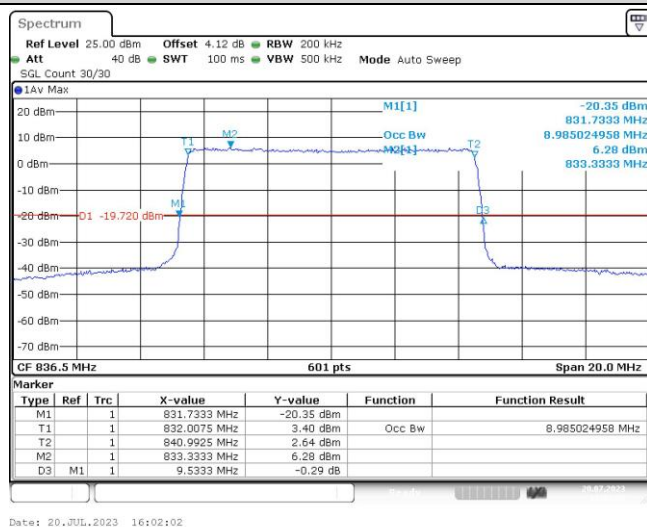




Band5-10MHz-QPSK-20450-50RB#0



Band5-10MHz-QPSK-20525-50RB#0



Band5-10MHz-QPSK-20600-50RB#0