

Appendix for Band 5

Product Name: 5G CPE
Model No: S3

Appendix A: Average Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band5	1.4MHz	QPSK	20407	1RB#0	23.51	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	22.45	PASS
Band5	1.4MHz	QPSK	20407	1RB#2	23.53	PASS
Band5	1.4MHz	16QAM	20407	1RB#2	22.45	PASS
Band5	1.4MHz	QPSK	20407	1RB#5	23.54	PASS
Band5	1.4MHz	16QAM	20407	1RB#5	22.35	PASS
Band5	1.4MHz	QPSK	20407	3RB#0	23.56	PASS
Band5	1.4MHz	16QAM	20407	3RB#0	22.48	PASS
Band5	1.4MHz	QPSK	20407	3RB#1	23.57	PASS
Band5	1.4MHz	16QAM	20407	3RB#1	22.48	PASS
Band5	1.4MHz	QPSK	20407	3RB#3	23.49	PASS
Band5	1.4MHz	16QAM	20407	3RB#3	22.38	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	22.67	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	21.68	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	23.42	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	22.41	PASS
Band5	1.4MHz	QPSK	20525	1RB#2	23.42	PASS
Band5	1.4MHz	16QAM	20525	1RB#2	22.53	PASS
Band5	1.4MHz	QPSK	20525	1RB#5	23.35	PASS
Band5	1.4MHz	16QAM	20525	1RB#5	22.31	PASS
Band5	1.4MHz	QPSK	20525	3RB#0	23.42	PASS
Band5	1.4MHz	16QAM	20525	3RB#0	22.33	PASS
Band5	1.4MHz	QPSK	20525	3RB#1	23.45	PASS
Band5	1.4MHz	16QAM	20525	3RB#1	22.34	PASS
Band5	1.4MHz	QPSK	20525	3RB#3	23.47	PASS
Band5	1.4MHz	16QAM	20525	3RB#3	22.32	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	22.53	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	21.56	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	23.37	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	22.25	PASS
Band5	1.4MHz	QPSK	20643	1RB#2	23.36	PASS
Band5	1.4MHz	16QAM	20643	1RB#2	22.31	PASS
Band5	1.4MHz	QPSK	20643	1RB#5	23.32	PASS
Band5	1.4MHz	16QAM	20643	1RB#5	22.13	PASS
Band5	1.4MHz	QPSK	20643	3RB#0	23.36	PASS

Band5	1.4MHz	16QAM	20643	3RB#0	22.35	PASS
Band5	1.4MHz	QPSK	20643	3RB#1	23.31	PASS
Band5	1.4MHz	16QAM	20643	3RB#1	22.22	PASS
Band5	1.4MHz	QPSK	20643	3RB#3	23.23	PASS
Band5	1.4MHz	16QAM	20643	3RB#3	22.27	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	22.35	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	21.26	PASS
Band5	3MHz	QPSK	20415	1RB#0	23.64	PASS
Band5	3MHz	16QAM	20415	1RB#0	22.75	PASS
Band5	3MHz	QPSK	20415	1RB#8	23.62	PASS
Band5	3MHz	16QAM	20415	1RB#8	22.75	PASS
Band5	3MHz	QPSK	20415	1RB#14	23.52	PASS
Band5	3MHz	16QAM	20415	1RB#14	22.66	PASS
Band5	3MHz	QPSK	20415	8RB#0	22.75	PASS
Band5	3MHz	16QAM	20415	8RB#0	21.76	PASS
Band5	3MHz	QPSK	20415	8RB#4	22.73	PASS
Band5	3MHz	16QAM	20415	8RB#4	21.75	PASS
Band5	3MHz	QPSK	20415	8RB#7	22.68	PASS
Band5	3MHz	16QAM	20415	8RB#7	21.71	PASS
Band5	3MHz	QPSK	20415	15RB#0	22.72	PASS
Band5	3MHz	16QAM	20415	15RB#0	21.73	PASS
Band5	3MHz	QPSK	20525	1RB#0	23.58	PASS
Band5	3MHz	16QAM	20525	1RB#0	22.51	PASS
Band5	3MHz	QPSK	20525	1RB#8	23.63	PASS
Band5	3MHz	16QAM	20525	1RB#8	22.54	PASS
Band5	3MHz	QPSK	20525	1RB#14	23.55	PASS
Band5	3MHz	16QAM	20525	1RB#14	22.42	PASS
Band5	3MHz	QPSK	20525	8RB#0	22.59	PASS
Band5	3MHz	16QAM	20525	8RB#0	21.57	PASS
Band5	3MHz	QPSK	20525	8RB#4	22.60	PASS
Band5	3MHz	16QAM	20525	8RB#4	21.57	PASS
Band5	3MHz	QPSK	20525	8RB#7	22.59	PASS
Band5	3MHz	16QAM	20525	8RB#7	21.61	PASS
Band5	3MHz	QPSK	20525	15RB#0	22.65	PASS
Band5	3MHz	16QAM	20525	15RB#0	21.56	PASS
Band5	3MHz	QPSK	20635	1RB#0	23.50	PASS
Band5	3MHz	16QAM	20635	1RB#0	22.37	PASS
Band5	3MHz	QPSK	20635	1RB#8	23.44	PASS
Band5	3MHz	16QAM	20635	1RB#8	22.36	PASS
Band5	3MHz	QPSK	20635	1RB#14	23.35	PASS
Band5	3MHz	16QAM	20635	1RB#14	22.21	PASS

Band5	3MHz	QPSK	20635	8RB#0	22.61	PASS
Band5	3MHz	16QAM	20635	8RB#0	21.59	PASS
Band5	3MHz	QPSK	20635	8RB#4	22.61	PASS
Band5	3MHz	16QAM	20635	8RB#4	21.55	PASS
Band5	3MHz	QPSK	20635	8RB#7	22.48	PASS
Band5	3MHz	16QAM	20635	8RB#7	21.47	PASS
Band5	3MHz	QPSK	20635	15RB#0	22.51	PASS
Band5	3MHz	16QAM	20635	15RB#0	21.49	PASS
Band5	5MHz	QPSK	20425	1RB#0	23.77	PASS
Band5	5MHz	16QAM	20425	1RB#0	22.76	PASS
Band5	5MHz	QPSK	20425	1RB#12	23.67	PASS
Band5	5MHz	16QAM	20425	1RB#12	22.67	PASS
Band5	5MHz	QPSK	20425	1RB#24	23.60	PASS
Band5	5MHz	16QAM	20425	1RB#24	22.62	PASS
Band5	5MHz	QPSK	20425	12RB#0	22.80	PASS
Band5	5MHz	16QAM	20425	12RB#0	21.78	PASS
Band5	5MHz	QPSK	20425	12RB#6	22.79	PASS
Band5	5MHz	16QAM	20425	12RB#6	21.78	PASS
Band5	5MHz	QPSK	20425	12RB#13	22.67	PASS
Band5	5MHz	16QAM	20425	12RB#13	21.64	PASS
Band5	5MHz	QPSK	20425	25RB#0	22.70	PASS
Band5	5MHz	16QAM	20425	25RB#0	21.72	PASS
Band5	5MHz	QPSK	20525	1RB#0	23.54	PASS
Band5	5MHz	16QAM	20525	1RB#0	22.72	PASS
Band5	5MHz	QPSK	20525	1RB#12	23.56	PASS
Band5	5MHz	16QAM	20525	1RB#12	22.69	PASS
Band5	5MHz	QPSK	20525	1RB#24	23.51	PASS
Band5	5MHz	16QAM	20525	1RB#24	22.67	PASS
Band5	5MHz	QPSK	20525	12RB#0	22.61	PASS
Band5	5MHz	16QAM	20525	12RB#0	21.71	PASS
Band5	5MHz	QPSK	20525	12RB#6	22.65	PASS
Band5	5MHz	16QAM	20525	12RB#6	21.73	PASS
Band5	5MHz	QPSK	20525	12RB#13	22.62	PASS
Band5	5MHz	16QAM	20525	12RB#13	21.66	PASS
Band5	5MHz	QPSK	20525	25RB#0	22.66	PASS
Band5	5MHz	16QAM	20525	25RB#0	21.66	PASS
Band5	5MHz	QPSK	20625	1RB#0	23.58	PASS
Band5	5MHz	16QAM	20625	1RB#0	22.60	PASS
Band5	5MHz	QPSK	20625	1RB#12	23.51	PASS
Band5	5MHz	16QAM	20625	1RB#12	22.52	PASS
Band5	5MHz	QPSK	20625	1RB#24	23.43	PASS

Band5	5MHz	16QAM	20625	1RB#24	22.43	PASS
Band5	5MHz	QPSK	20625	12RB#0	22.57	PASS
Band5	5MHz	16QAM	20625	12RB#0	21.60	PASS
Band5	5MHz	QPSK	20625	12RB#6	22.55	PASS
Band5	5MHz	16QAM	20625	12RB#6	21.58	PASS
Band5	5MHz	QPSK	20625	12RB#13	22.47	PASS
Band5	5MHz	16QAM	20625	12RB#13	21.49	PASS
Band5	5MHz	QPSK	20625	25RB#0	22.51	PASS
Band5	5MHz	16QAM	20625	25RB#0	21.54	PASS
Band5	10MHz	QPSK	20450	1RB#0	23.53	PASS
Band5	10MHz	16QAM	20450	1RB#0	22.71	PASS
Band5	10MHz	QPSK	20450	1RB#24	23.43	PASS
Band5	10MHz	16QAM	20450	1RB#24	22.61	PASS
Band5	10MHz	QPSK	20450	1RB#49	23.53	PASS
Band5	10MHz	16QAM	20450	1RB#49	22.59	PASS
Band5	10MHz	QPSK	20450	25RB#0	22.64	PASS
Band5	10MHz	16QAM	20450	25RB#0	21.63	PASS
Band5	10MHz	QPSK	20450	25RB#12	22.70	PASS
Band5	10MHz	16QAM	20450	25RB#12	21.64	PASS
Band5	10MHz	QPSK	20450	25RB#25	22.69	PASS
Band5	10MHz	16QAM	20450	25RB#25	21.66	PASS
Band5	10MHz	QPSK	20450	50RB#0	22.74	PASS
Band5	10MHz	16QAM	20450	50RB#0	21.71	PASS
Band5	10MHz	QPSK	20525	1RB#0	23.56	PASS
Band5	10MHz	16QAM	20525	1RB#0	22.50	PASS
Band5	10MHz	QPSK	20525	1RB#24	23.55	PASS
Band5	10MHz	16QAM	20525	1RB#24	22.44	PASS
Band5	10MHz	QPSK	20525	1RB#49	23.53	PASS
Band5	10MHz	16QAM	20525	1RB#49	22.41	PASS
Band5	10MHz	QPSK	20525	25RB#0	22.55	PASS
Band5	10MHz	16QAM	20525	25RB#0	21.64	PASS
Band5	10MHz	QPSK	20525	25RB#12	22.65	PASS
Band5	10MHz	16QAM	20525	25RB#12	21.64	PASS
Band5	10MHz	QPSK	20525	25RB#25	22.62	PASS
Band5	10MHz	16QAM	20525	25RB#25	21.66	PASS
Band5	10MHz	QPSK	20525	50RB#0	22.68	PASS
Band5	10MHz	16QAM	20525	50RB#0	21.68	PASS
Band5	10MHz	QPSK	20600	1RB#0	23.47	PASS
Band5	10MHz	16QAM	20600	1RB#0	22.41	PASS
Band5	10MHz	QPSK	20600	1RB#24	23.37	PASS
Band5	10MHz	16QAM	20600	1RB#24	22.31	PASS

Band5	10MHz	QPSK	20600	1RB#49	23.30	PASS
Band5	10MHz	16QAM	20600	1RB#49	22.14	PASS
Band5	10MHz	QPSK	20600	25RB#0	22.54	PASS
Band5	10MHz	16QAM	20600	25RB#0	21.61	PASS
Band5	10MHz	QPSK	20600	25RB#12	22.56	PASS
Band5	10MHz	16QAM	20600	25RB#12	21.64	PASS
Band5	10MHz	QPSK	20600	25RB#25	22.55	PASS
Band5	10MHz	16QAM	20600	25RB#25	21.59	PASS
Band5	10MHz	QPSK	20600	50RB#0	22.49	PASS
Band5	10MHz	16QAM	20600	50RB#0	21.54	PASS

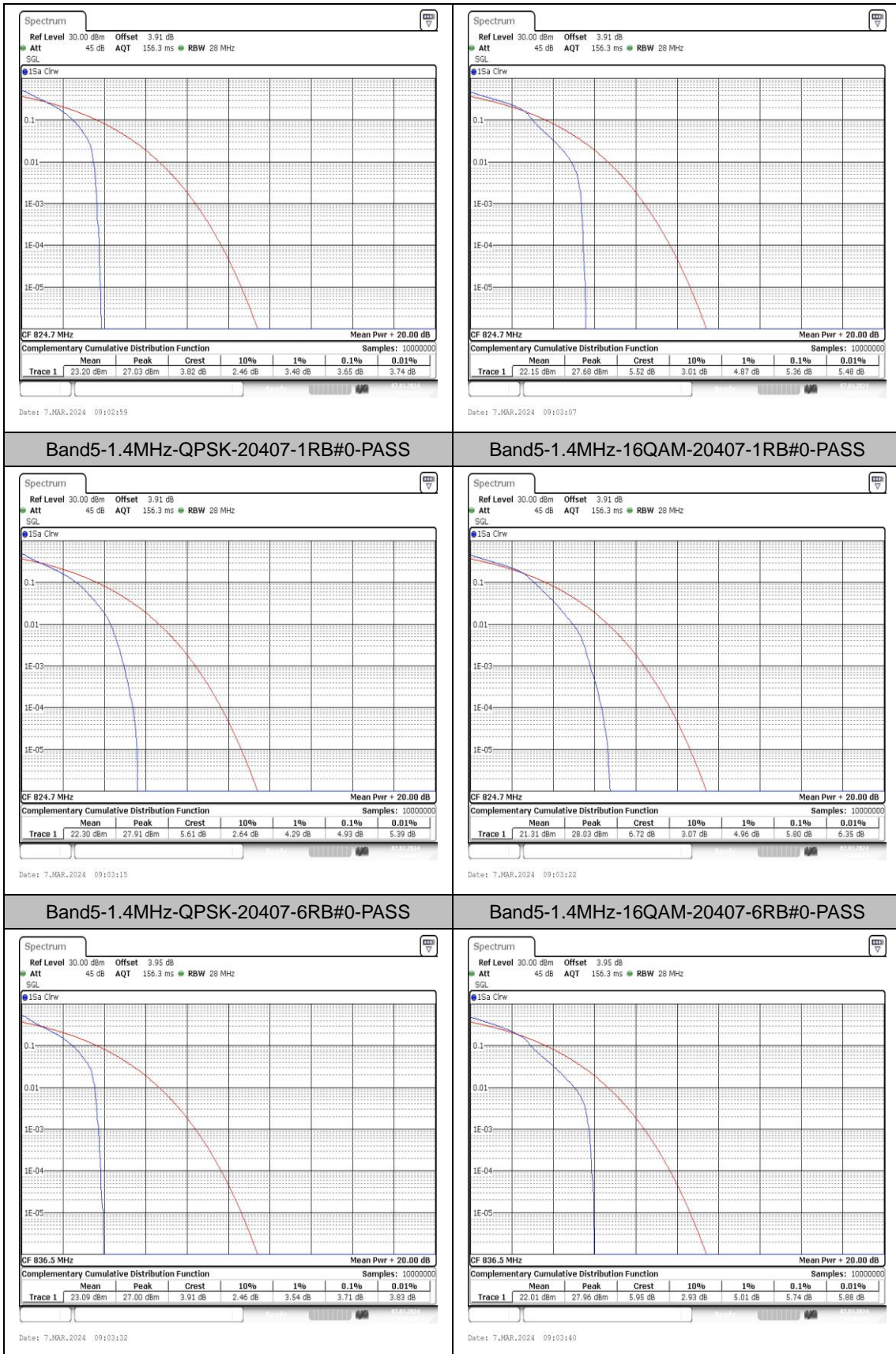
Appendix B: Peak-to-Average Ratio(CCDF)

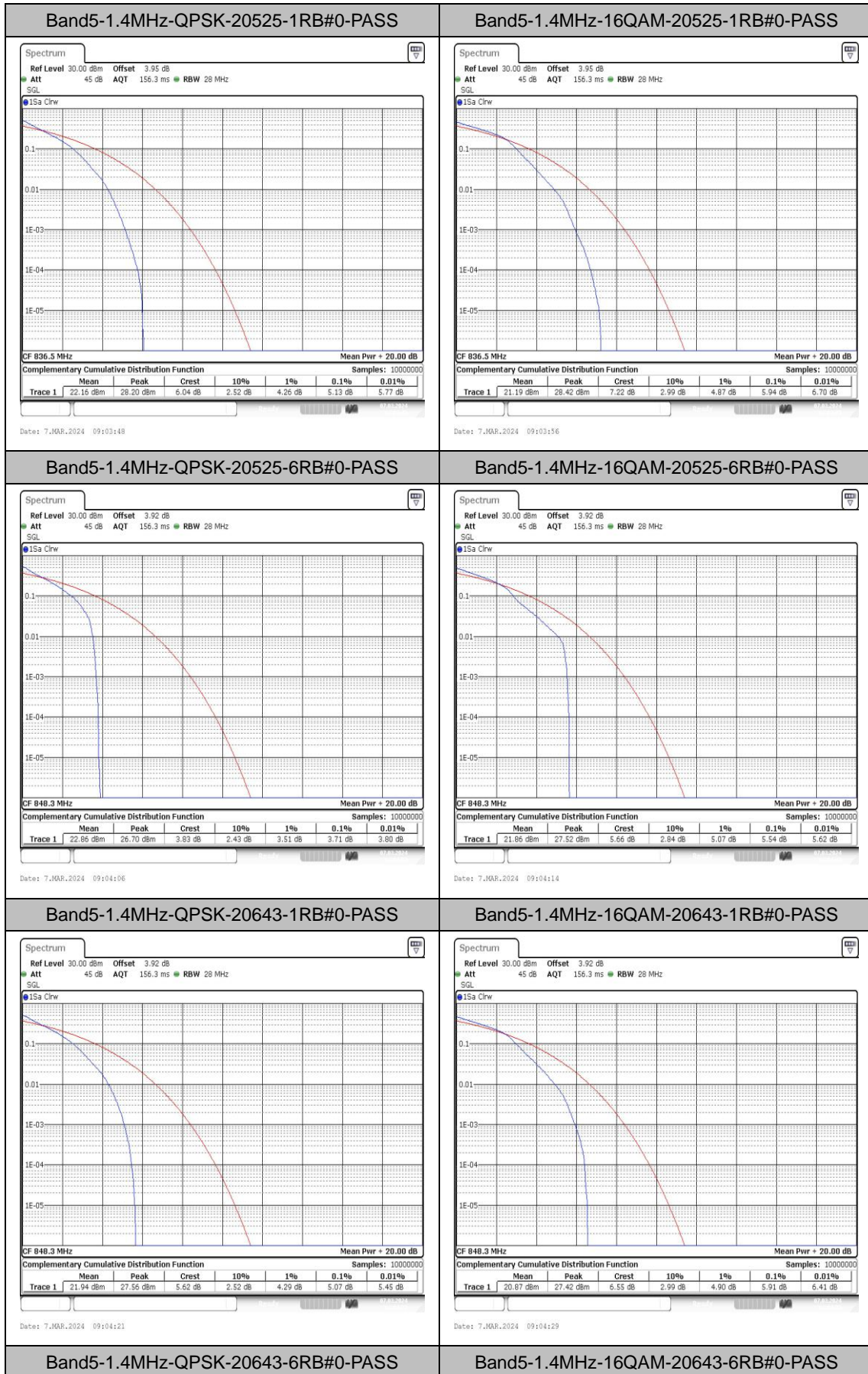
Test Result

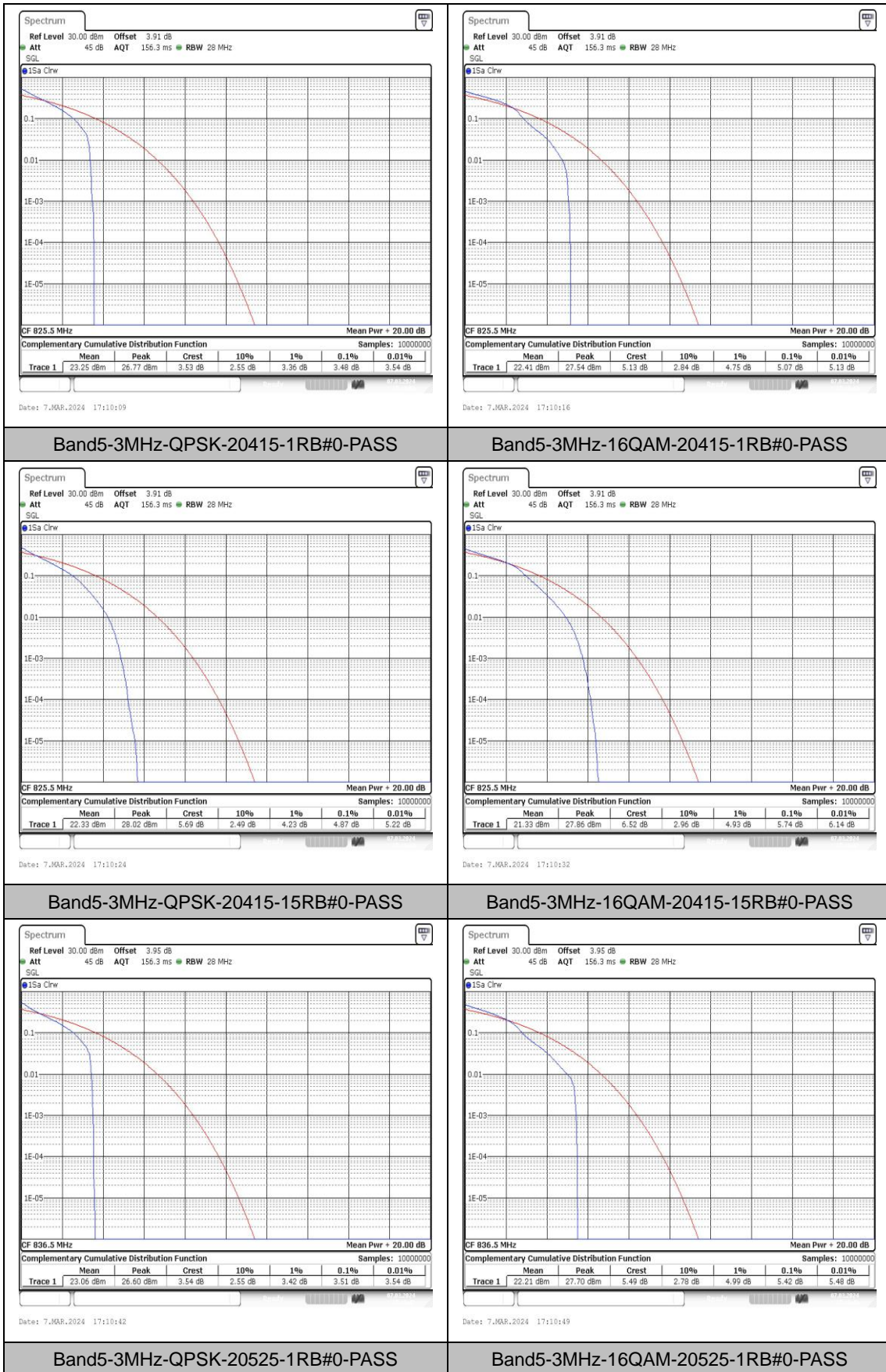
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band5	1.4MHz	QPSK	20407	1RB#0	3.65	13	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	5.36	13	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	4.93	13	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	5.80	13	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	3.71	13	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	5.74	13	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	5.13	13	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	5.94	13	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	3.71	13	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	5.54	13	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	5.07	13	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	5.91	13	PASS
Band5	3MHz	QPSK	20415	1RB#0	3.48	13	PASS
Band5	3MHz	16QAM	20415	1RB#0	5.07	13	PASS
Band5	3MHz	QPSK	20415	15RB#0	4.87	13	PASS
Band5	3MHz	16QAM	20415	15RB#0	5.74	13	PASS
Band5	3MHz	QPSK	20525	1RB#0	3.51	13	PASS
Band5	3MHz	16QAM	20525	1RB#0	5.42	13	PASS
Band5	3MHz	QPSK	20525	15RB#0	5.04	13	PASS
Band5	3MHz	16QAM	20525	15RB#0	5.86	13	PASS
Band5	3MHz	QPSK	20635	1RB#0	3.42	13	PASS
Band5	3MHz	16QAM	20635	1RB#0	5.51	13	PASS
Band5	3MHz	QPSK	20635	15RB#0	4.96	13	PASS
Band5	3MHz	16QAM	20635	15RB#0	5.80	13	PASS
Band5	5MHz	QPSK	20425	1RB#0	3.42	13	PASS
Band5	5MHz	16QAM	20425	1RB#0	5.10	13	PASS
Band5	5MHz	QPSK	20425	25RB#0	4.96	13	PASS
Band5	5MHz	16QAM	20425	25RB#0	5.77	13	PASS
Band5	5MHz	QPSK	20525	1RB#0	3.54	13	PASS
Band5	5MHz	16QAM	20525	1RB#0	5.45	13	PASS
Band5	5MHz	QPSK	20525	25RB#0	5.10	13	PASS
Band5	5MHz	16QAM	20525	25RB#0	5.91	13	PASS
Band5	5MHz	QPSK	20625	1RB#0	3.51	13	PASS
Band5	5MHz	16QAM	20625	1RB#0	5.30	13	PASS
Band5	5MHz	QPSK	20625	25RB#0	5.04	13	PASS

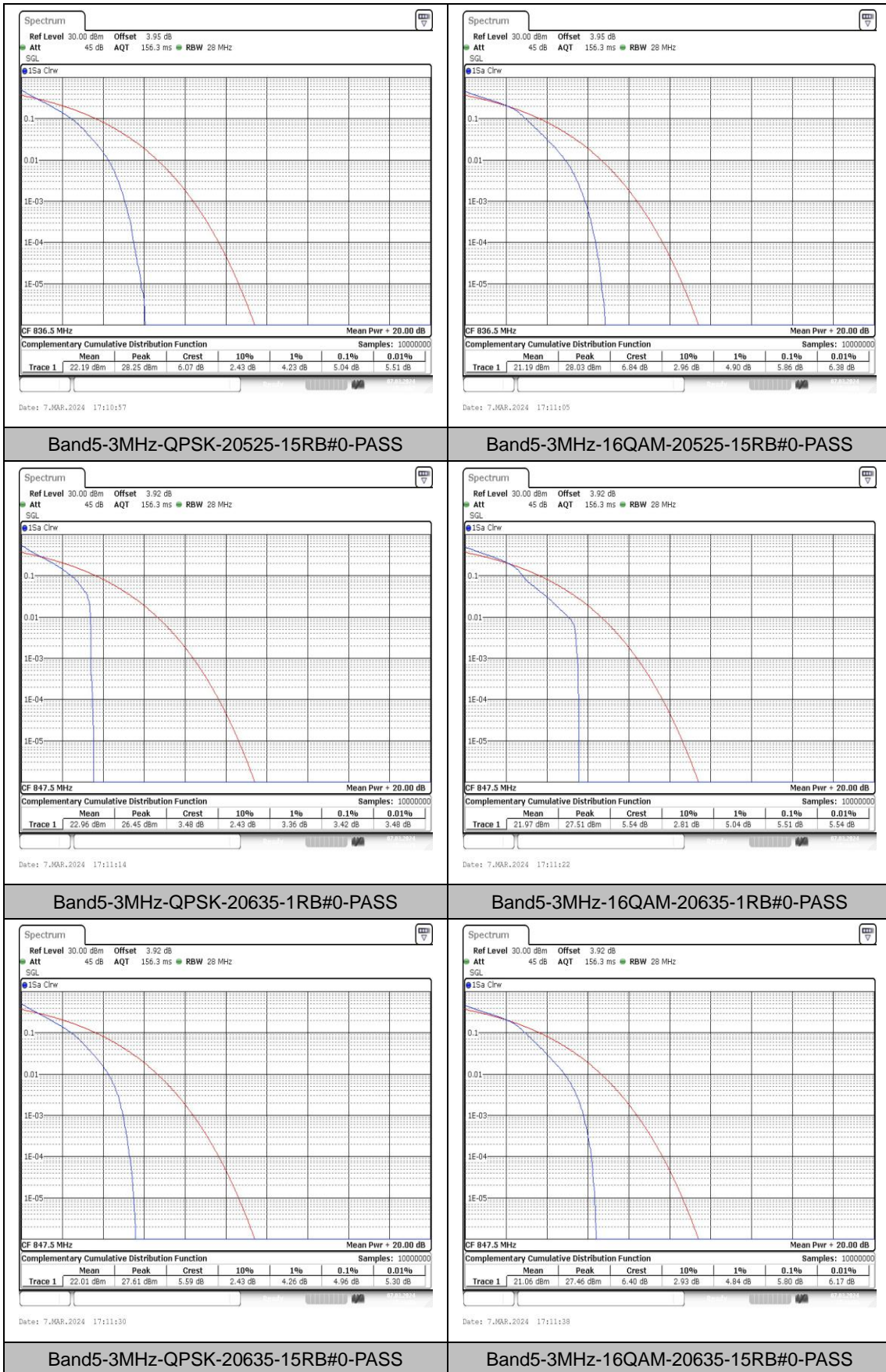
Band5	5MHz	16QAM	20625	25RB#0	5.80	13	PASS
Band5	10MHz	QPSK	20450	1RB#0	3.39	13	PASS
Band5	10MHz	16QAM	20450	1RB#0	5.07	13	PASS
Band5	10MHz	QPSK	20450	50RB#0	4.90	13	PASS
Band5	10MHz	16QAM	20450	50RB#0	5.74	13	PASS
Band5	10MHz	QPSK	20525	1RB#0	3.57	13	PASS
Band5	10MHz	16QAM	20525	1RB#0	5.22	13	PASS
Band5	10MHz	QPSK	20525	50RB#0	4.96	13	PASS
Band5	10MHz	16QAM	20525	50RB#0	5.83	13	PASS
Band5	10MHz	QPSK	20600	1RB#0	3.48	13	PASS
Band5	10MHz	16QAM	20600	1RB#0	5.51	13	PASS
Band5	10MHz	QPSK	20600	50RB#0	4.96	13	PASS
Band5	10MHz	16QAM	20600	50RB#0	5.83	13	PASS

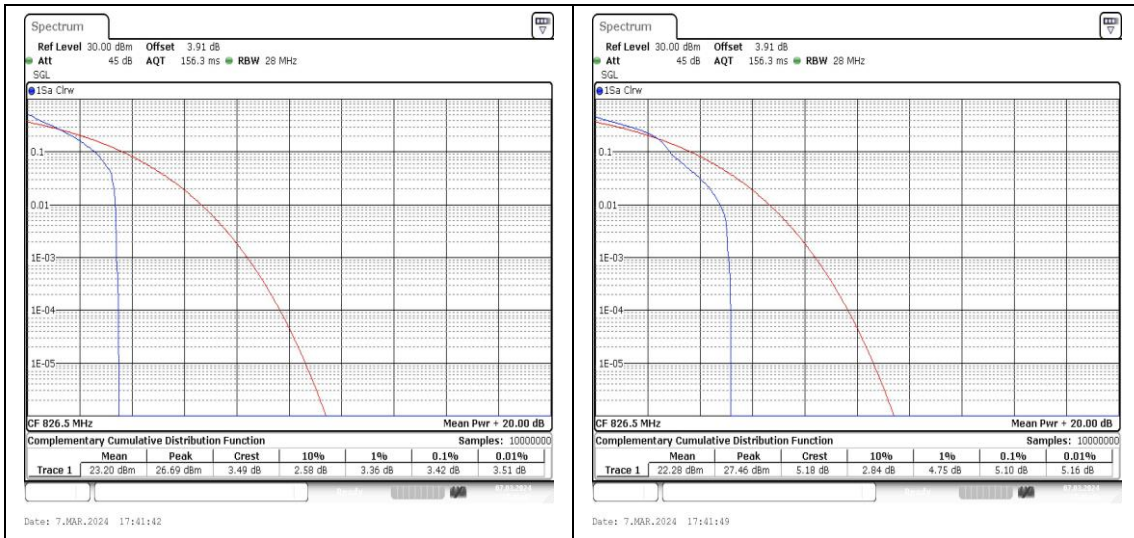
Test Graphs



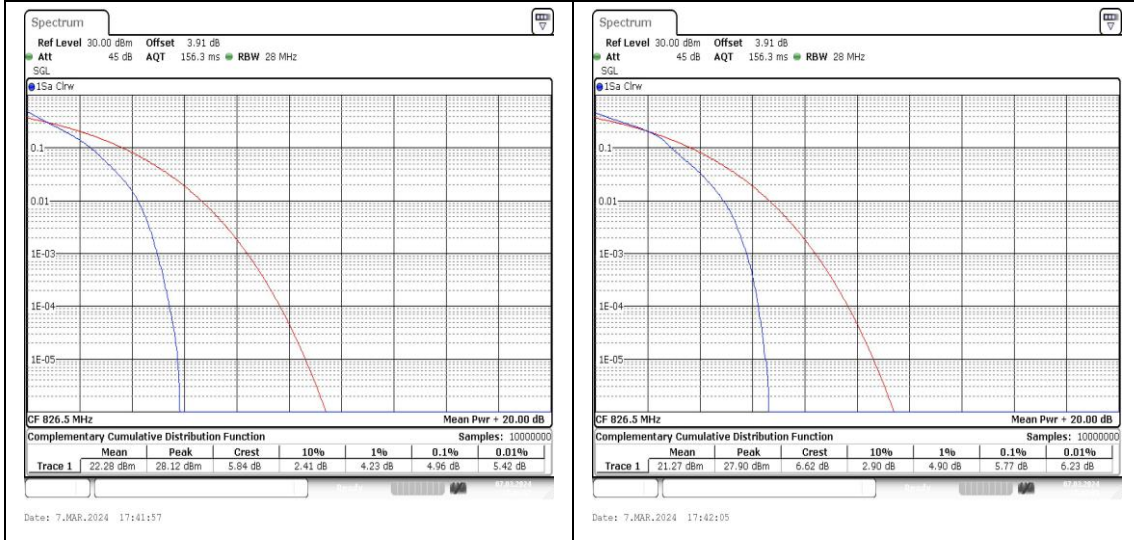




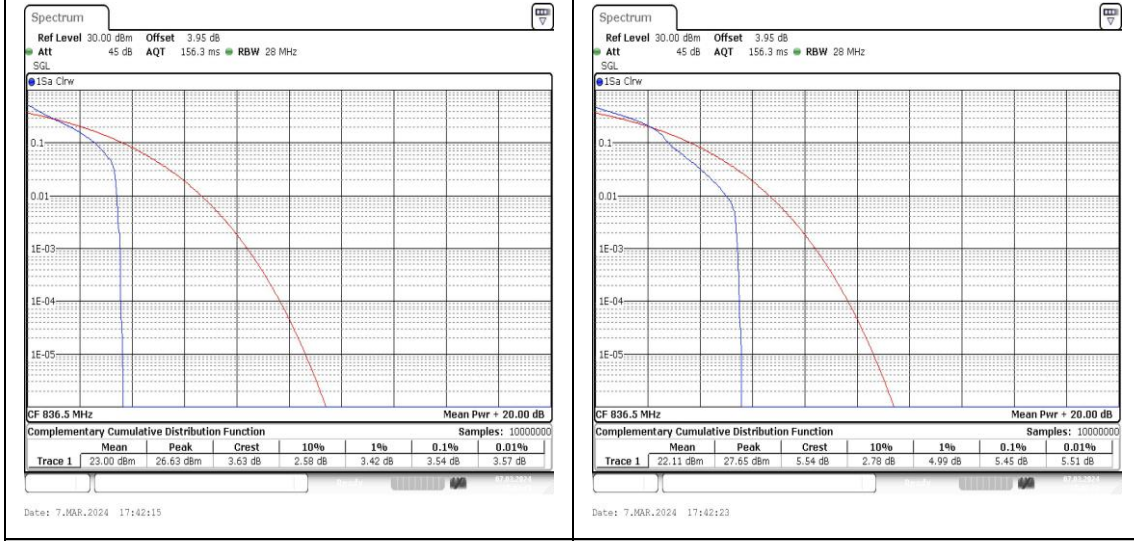




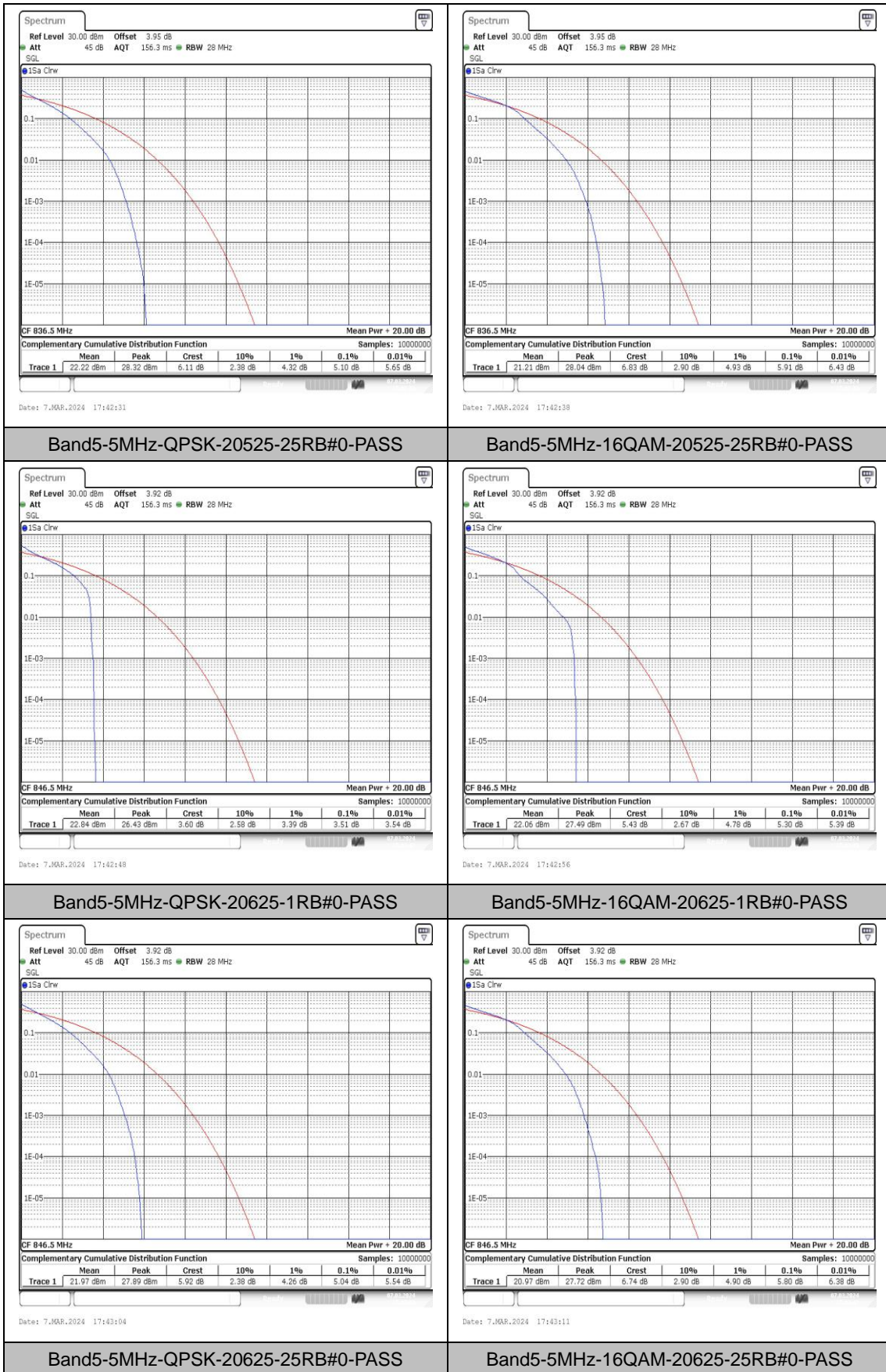
Band5-5MHz-QPSK-20425-1RB#0-PASS **Band5-5MHz-16QAM-20425-1RB#0-PASS**

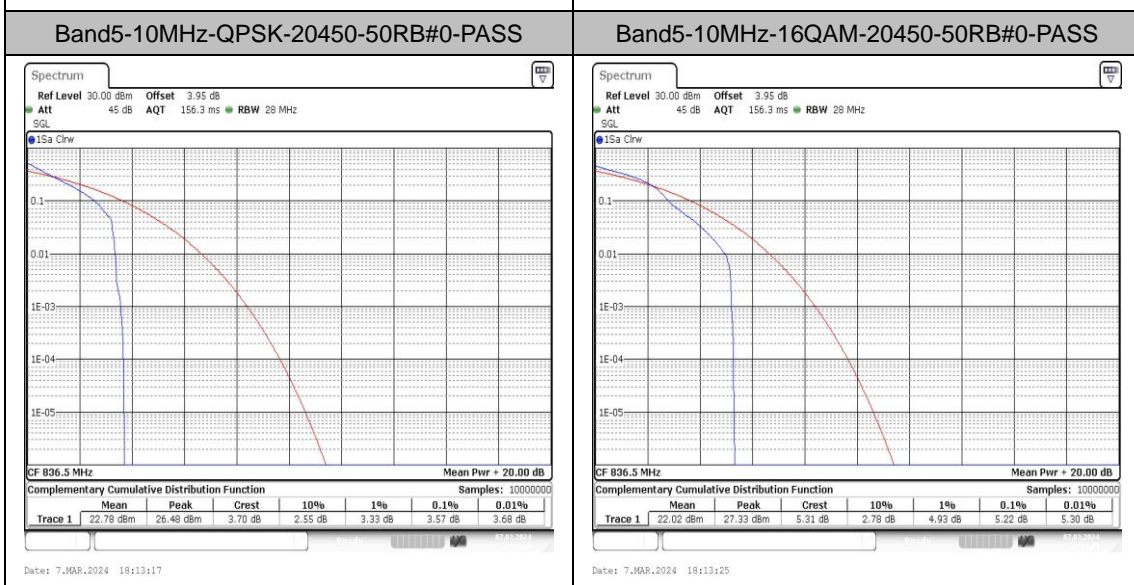
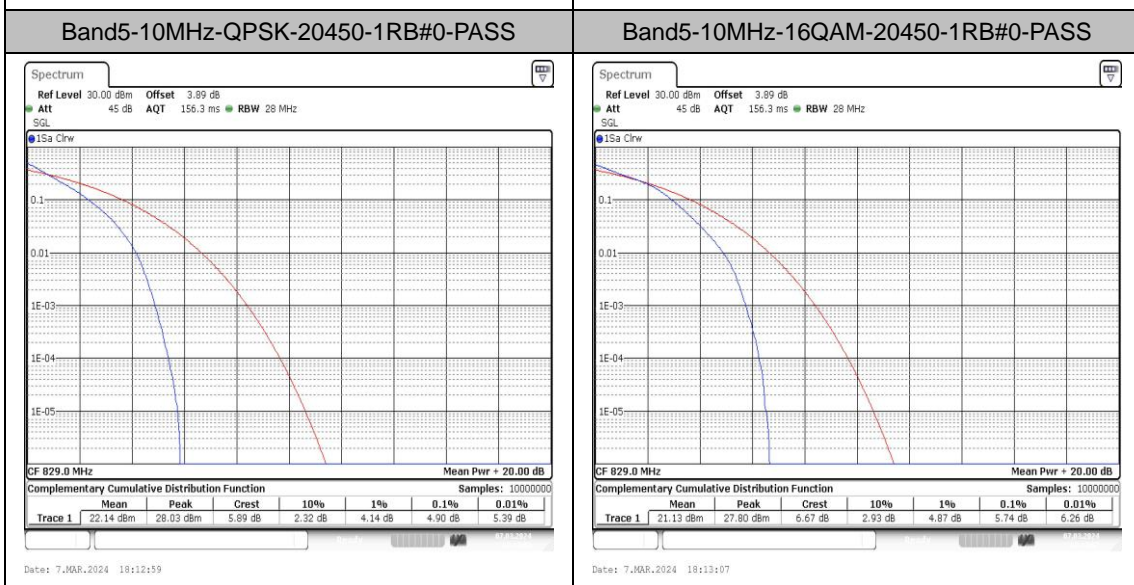
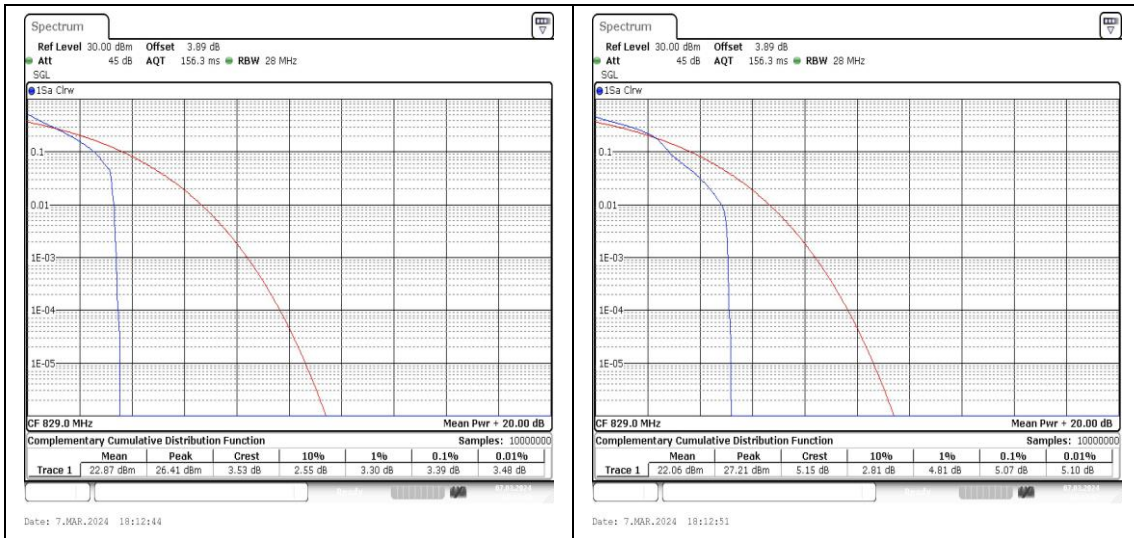


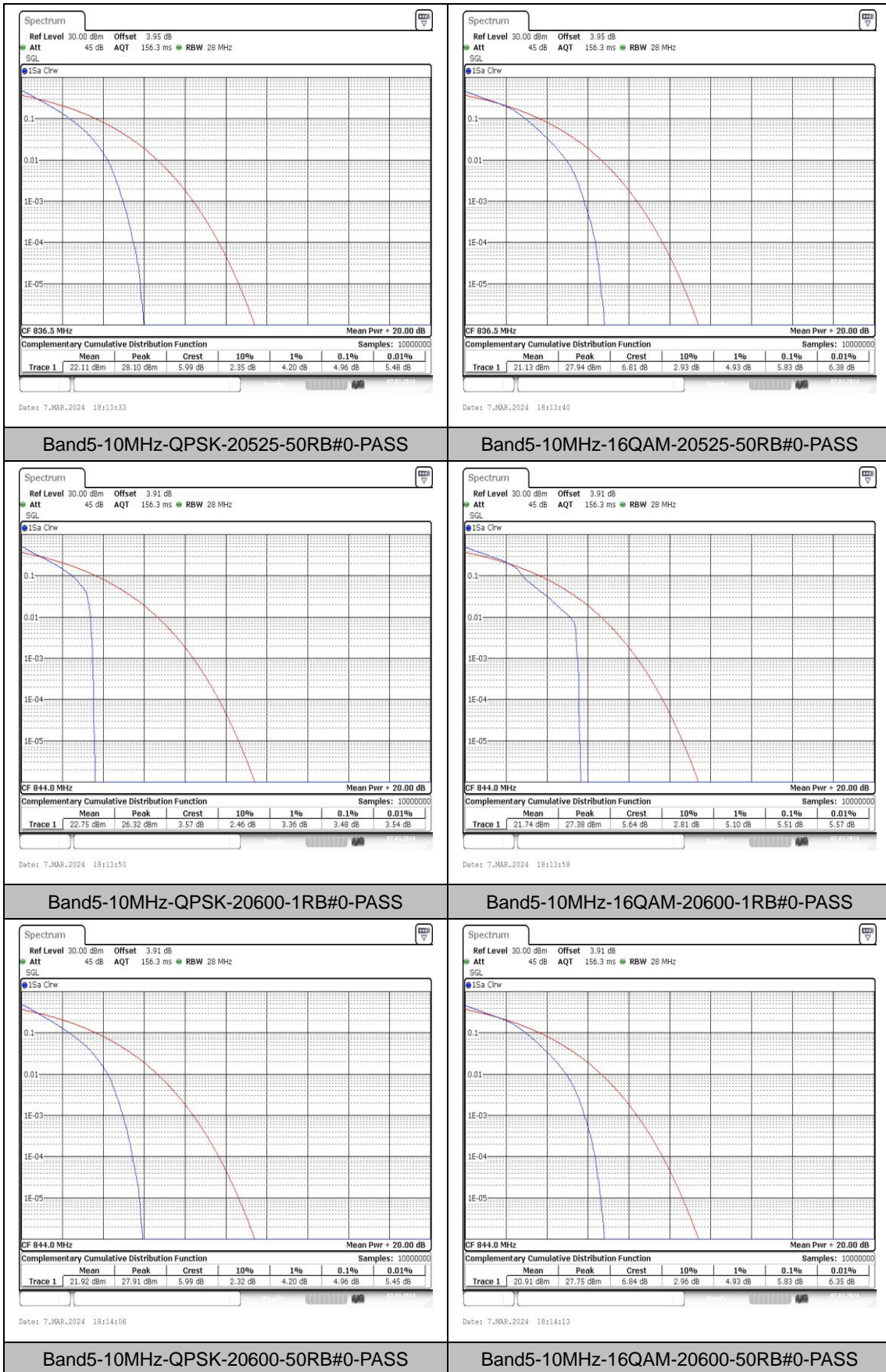
Band5-5MHz-QPSK-20425-25RB#0-PASS **Band5-5MHz-16QAM-20425-25RB#0-PASS**



Band5-5MHz-QPSK-20525-1RB#0-PASS **Band5-5MHz-16QAM-20525-1RB#0-PASS**





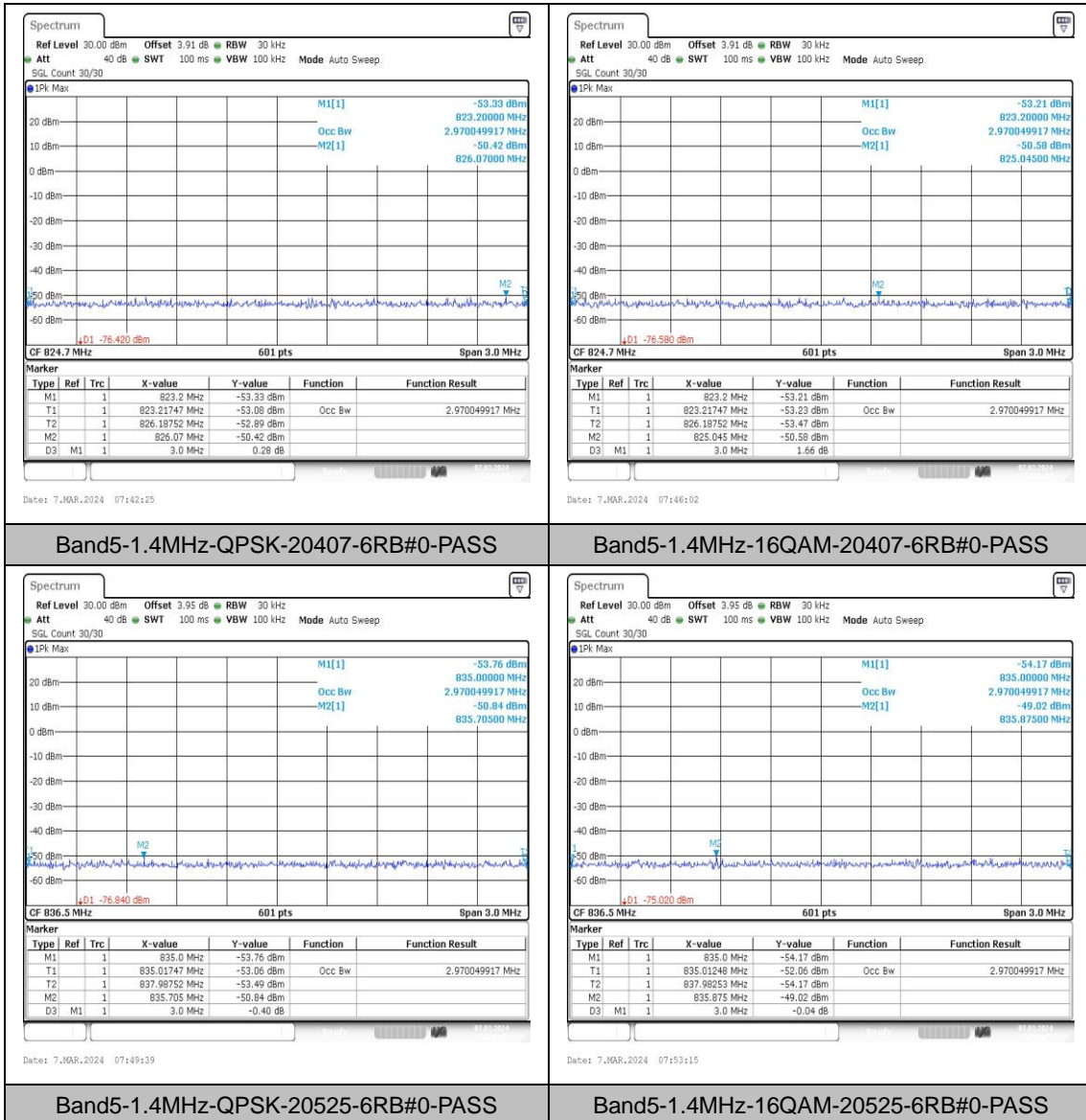


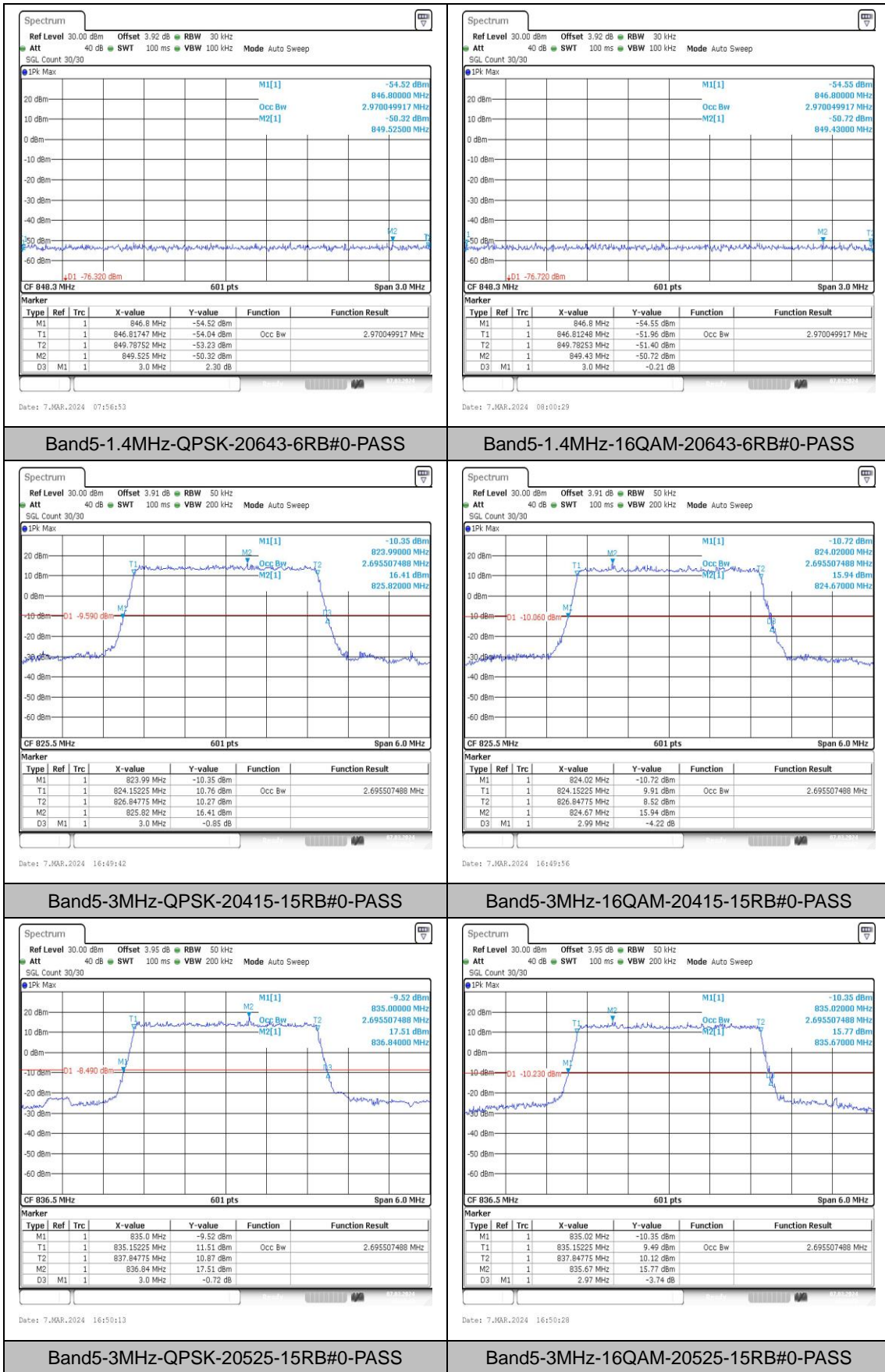
Appendix C: 26dB Bandwidth and Occupied Bandwidth

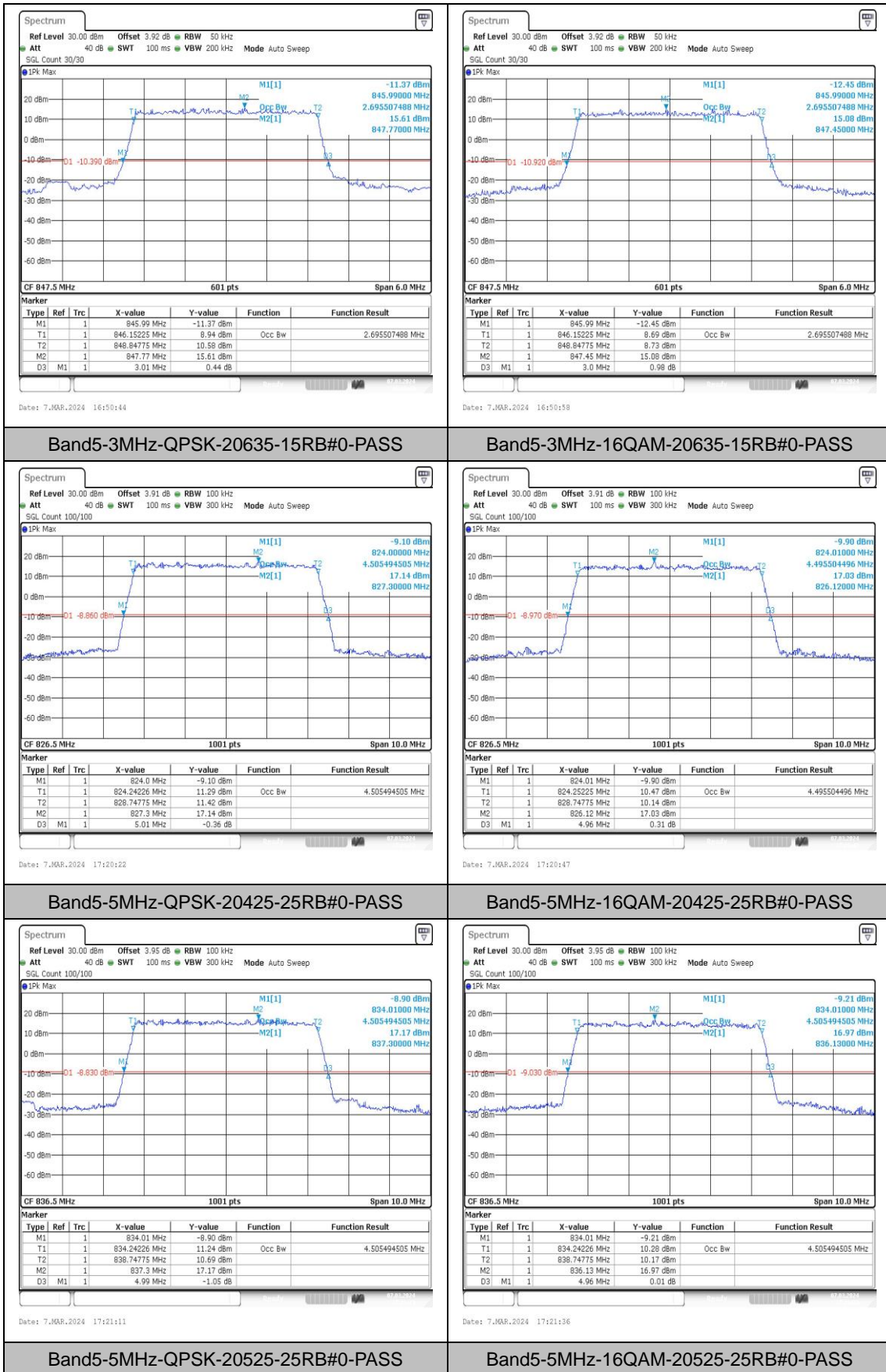
Test Result

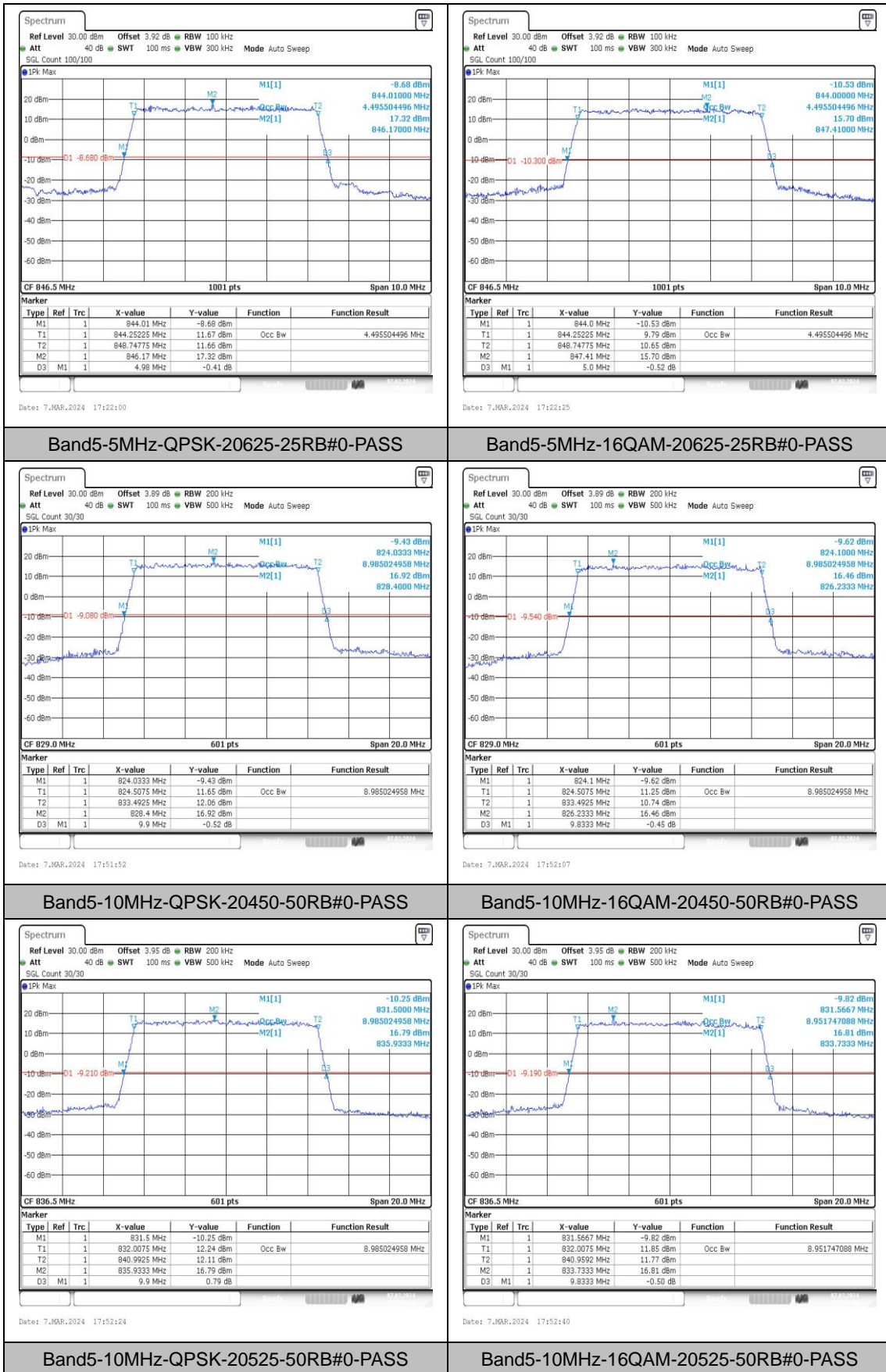
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band5	1.4MHz	QPSK	20407	6RB#0	2.97	3.00	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	2.97	3.00	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	2.97	3.00	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	2.97	3.00	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	2.97	3.00	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	2.97	3.00	PASS
Band5	3MHz	QPSK	20415	15RB#0	2.696	3.00	PASS
Band5	3MHz	16QAM	20415	15RB#0	2.696	2.99	PASS
Band5	3MHz	QPSK	20525	15RB#0	2.696	3.00	PASS
Band5	3MHz	16QAM	20525	15RB#0	2.696	2.97	PASS
Band5	3MHz	QPSK	20635	15RB#0	2.696	3.01	PASS
Band5	3MHz	16QAM	20635	15RB#0	2.696	3.00	PASS
Band5	5MHz	QPSK	20425	25RB#0	4.505	5.01	PASS
Band5	5MHz	16QAM	20425	25RB#0	4.496	4.96	PASS
Band5	5MHz	QPSK	20525	25RB#0	4.505	4.99	PASS
Band5	5MHz	16QAM	20525	25RB#0	4.505	4.96	PASS
Band5	5MHz	QPSK	20625	25RB#0	4.496	4.98	PASS
Band5	5MHz	16QAM	20625	25RB#0	4.496	5.00	PASS
Band5	10MHz	QPSK	20450	50RB#0	8.985	9.90	PASS
Band5	10MHz	16QAM	20450	50RB#0	8.985	9.83	PASS
Band5	10MHz	QPSK	20525	50RB#0	8.985	9.90	PASS
Band5	10MHz	16QAM	20525	50RB#0	8.952	9.83	PASS
Band5	10MHz	QPSK	20600	50RB#0	8.952	9.83	PASS
Band5	10MHz	16QAM	20600	50RB#0	8.952	9.87	PASS

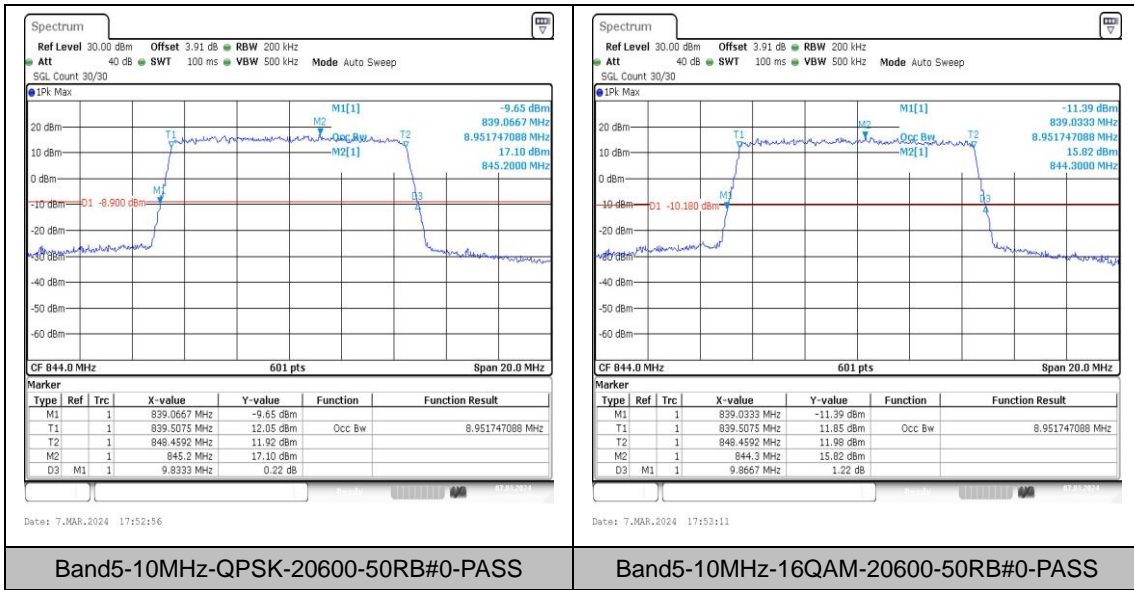
Test Graphs











Appendix D: Band Edge

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Verdict
Band5	1.4MHz	QPSK	20407	1RB#0	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	PASS
Band5	1.4MHz	QPSK	20407	1RB#5	PASS
Band5	1.4MHz	16QAM	20407	1RB#5	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	PASS
Band5	1.4MHz	QPSK	20643	1RB#5	PASS
Band5	1.4MHz	16QAM	20643	1RB#5	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	PASS
Band5	3MHz	QPSK	20415	1RB#0	PASS
Band5	3MHz	16QAM	20415	1RB#0	PASS
Band5	3MHz	QPSK	20415	1RB#14	PASS
Band5	3MHz	16QAM	20415	1RB#14	PASS
Band5	3MHz	QPSK	20415	15RB#0	PASS
Band5	3MHz	16QAM	20415	15RB#0	PASS
Band5	3MHz	QPSK	20635	1RB#0	PASS
Band5	3MHz	16QAM	20635	1RB#0	PASS
Band5	3MHz	QPSK	20635	1RB#14	PASS
Band5	3MHz	16QAM	20635	1RB#14	PASS
Band5	3MHz	QPSK	20635	15RB#0	PASS
Band5	3MHz	16QAM	20635	15RB#0	PASS
Band5	5MHz	QPSK	20425	1RB#0	PASS
Band5	5MHz	16QAM	20425	1RB#0	PASS
Band5	5MHz	QPSK	20425	1RB#24	PASS
Band5	5MHz	16QAM	20425	1RB#24	PASS
Band5	5MHz	QPSK	20425	25RB#0	PASS
Band5	5MHz	16QAM	20425	25RB#0	PASS
Band5	5MHz	QPSK	20625	1RB#0	PASS
Band5	5MHz	16QAM	20625	1RB#0	PASS
Band5	5MHz	QPSK	20625	1RB#24	PASS
Band5	5MHz	16QAM	20625	1RB#24	PASS
Band5	5MHz	QPSK	20625	25RB#0	PASS

Band5	5MHz	16QAM	20625	25RB#0	PASS
Band5	10MHz	QPSK	20450	1RB#0	PASS
Band5	10MHz	16QAM	20450	1RB#0	PASS
Band5	10MHz	QPSK	20450	1RB#49	PASS
Band5	10MHz	16QAM	20450	1RB#49	PASS
Band5	10MHz	QPSK	20450	50RB#0	PASS
Band5	10MHz	16QAM	20450	50RB#0	PASS
Band5	10MHz	QPSK	20600	1RB#0	PASS
Band5	10MHz	16QAM	20600	1RB#0	PASS
Band5	10MHz	QPSK	20600	1RB#49	PASS
Band5	10MHz	16QAM	20600	1RB#49	PASS
Band5	10MHz	QPSK	20600	50RB#0	PASS
Band5	10MHz	16QAM	20600	50RB#0	PASS

Test Graphs

