

Appendix for Band 71

Product Name: 5G CPE
Model No: S3

Appendix A: Average Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band71	5MHz	QPSK	133147	1RB#0	23.80	PASS
Band71	5MHz	16QAM	133147	1RB#0	22.75	PASS
Band71	5MHz	QPSK	133147	1RB#12	23.56	PASS
Band71	5MHz	16QAM	133147	1RB#12	22.58	PASS
Band71	5MHz	QPSK	133147	1RB#24	23.35	PASS
Band71	5MHz	16QAM	133147	1RB#24	22.38	PASS
Band71	5MHz	QPSK	133147	12RB#0	22.75	PASS
Band71	5MHz	16QAM	133147	12RB#0	21.71	PASS
Band71	5MHz	QPSK	133147	12RB#6	22.68	PASS
Band71	5MHz	16QAM	133147	12RB#6	21.70	PASS
Band71	5MHz	QPSK	133147	12RB#13	22.41	PASS
Band71	5MHz	16QAM	133147	12RB#13	21.40	PASS
Band71	5MHz	QPSK	133147	25RB#0	22.53	PASS
Band71	5MHz	16QAM	133147	25RB#0	21.51	PASS
Band71	5MHz	QPSK	133297	1RB#0	23.43	PASS
Band71	5MHz	16QAM	133297	1RB#0	22.57	PASS
Band71	5MHz	QPSK	133297	1RB#12	23.44	PASS
Band71	5MHz	16QAM	133297	1RB#12	22.61	PASS
Band71	5MHz	QPSK	133297	1RB#24	23.45	PASS
Band71	5MHz	16QAM	133297	1RB#24	22.63	PASS
Band71	5MHz	QPSK	133297	12RB#0	22.43	PASS
Band71	5MHz	16QAM	133297	12RB#0	21.47	PASS
Band71	5MHz	QPSK	133297	12RB#6	22.44	PASS
Band71	5MHz	16QAM	133297	12RB#6	21.53	PASS
Band71	5MHz	QPSK	133297	12RB#13	22.44	PASS
Band71	5MHz	16QAM	133297	12RB#13	21.48	PASS
Band71	5MHz	QPSK	133297	25RB#0	22.36	PASS
Band71	5MHz	16QAM	133297	25RB#0	21.37	PASS
Band71	5MHz	QPSK	133447	1RB#0	23.86	PASS
Band71	5MHz	16QAM	133447	1RB#0	22.74	PASS
Band71	5MHz	QPSK	133447	1RB#12	23.81	PASS
Band71	5MHz	16QAM	133447	1RB#12	22.77	PASS
Band71	5MHz	QPSK	133447	1RB#24	23.64	PASS
Band71	5MHz	16QAM	133447	1RB#24	22.63	PASS
Band71	5MHz	QPSK	133447	12RB#0	22.76	PASS

Band71	5MHz	16QAM	133447	12RB#0	21.81	PASS
Band71	5MHz	QPSK	133447	12RB#6	22.77	PASS
Band71	5MHz	16QAM	133447	12RB#6	21.80	PASS
Band71	5MHz	QPSK	133447	12RB#13	22.73	PASS
Band71	5MHz	16QAM	133447	12RB#13	21.73	PASS
Band71	5MHz	QPSK	133447	25RB#0	22.69	PASS
Band71	5MHz	16QAM	133447	25RB#0	21.71	PASS
Band71	10MHz	QPSK	133172	1RB#0	23.65	PASS
Band71	10MHz	16QAM	133172	1RB#0	22.55	PASS
Band71	10MHz	QPSK	133172	1RB#24	23.22	PASS
Band71	10MHz	16QAM	133172	1RB#24	22.12	PASS
Band71	10MHz	QPSK	133172	1RB#49	23.14	PASS
Band71	10MHz	16QAM	133172	1RB#49	22.02	PASS
Band71	10MHz	QPSK	133172	25RB#0	22.49	PASS
Band71	10MHz	16QAM	133172	25RB#0	21.54	PASS
Band71	10MHz	QPSK	133172	25RB#12	22.51	PASS
Band71	10MHz	16QAM	133172	25RB#12	21.55	PASS
Band71	10MHz	QPSK	133172	25RB#25	22.34	PASS
Band71	10MHz	16QAM	133172	25RB#25	21.36	PASS
Band71	10MHz	QPSK	133172	50RB#0	22.43	PASS
Band71	10MHz	16QAM	133172	50RB#0	21.43	PASS
Band71	10MHz	QPSK	133297	1RB#0	23.30	PASS
Band71	10MHz	16QAM	133297	1RB#0	22.37	PASS
Band71	10MHz	QPSK	133297	1RB#24	23.24	PASS
Band71	10MHz	16QAM	133297	1RB#24	22.44	PASS
Band71	10MHz	QPSK	133297	1RB#49	23.39	PASS
Band71	10MHz	16QAM	133297	1RB#49	22.55	PASS
Band71	10MHz	QPSK	133297	25RB#0	22.41	PASS
Band71	10MHz	16QAM	133297	25RB#0	21.35	PASS
Band71	10MHz	QPSK	133297	25RB#12	22.44	PASS
Band71	10MHz	16QAM	133297	25RB#12	21.37	PASS
Band71	10MHz	QPSK	133297	25RB#25	22.54	PASS
Band71	10MHz	16QAM	133297	25RB#25	21.44	PASS
Band71	10MHz	QPSK	133297	50RB#0	22.45	PASS
Band71	10MHz	16QAM	133297	50RB#0	21.45	PASS
Band71	10MHz	QPSK	133422	1RB#0	23.65	PASS
Band71	10MHz	16QAM	133422	1RB#0	22.48	PASS
Band71	10MHz	QPSK	133422	1RB#24	23.67	PASS
Band71	10MHz	16QAM	133422	1RB#24	22.53	PASS
Band71	10MHz	QPSK	133422	1RB#49	23.69	PASS
Band71	10MHz	16QAM	133422	1RB#49	22.47	PASS
Band71	10MHz	QPSK	133422	25RB#0	22.63	PASS

Band71	10MHz	16QAM	133422	25RB#0	21.69	PASS
Band71	10MHz	QPSK	133422	25RB#12	22.64	PASS
Band71	10MHz	16QAM	133422	25RB#12	21.69	PASS
Band71	10MHz	QPSK	133422	25RB#25	22.76	PASS
Band71	10MHz	16QAM	133422	25RB#25	21.79	PASS
Band71	10MHz	QPSK	133422	50RB#0	22.71	PASS
Band71	10MHz	16QAM	133422	50RB#0	21.74	PASS
Band71	15MHz	QPSK	133197	1RB#0	23.72	PASS
Band71	15MHz	16QAM	133197	1RB#0	22.64	PASS
Band71	15MHz	QPSK	133197	1RB#38	23.28	PASS
Band71	15MHz	16QAM	133197	1RB#38	22.19	PASS
Band71	15MHz	QPSK	133197	1RB#74	23.28	PASS
Band71	15MHz	16QAM	133197	1RB#74	22.18	PASS
Band71	15MHz	QPSK	133197	38RB#0	22.62	PASS
Band71	15MHz	16QAM	133197	38RB#0	22.61	PASS
Band71	15MHz	QPSK	133197	38RB#18	22.15	PASS
Band71	15MHz	16QAM	133197	38RB#18	22.15	PASS
Band71	15MHz	QPSK	133197	38RB#37	22.19	PASS
Band71	15MHz	16QAM	133197	38RB#37	22.19	PASS
Band71	15MHz	QPSK	133197	75RB#0	22.36	PASS
Band71	15MHz	16QAM	133197	75RB#0	21.40	PASS
Band71	15MHz	QPSK	133297	1RB#0	23.39	PASS
Band71	15MHz	16QAM	133297	1RB#0	22.49	PASS
Band71	15MHz	QPSK	133297	1RB#38	23.36	PASS
Band71	15MHz	16QAM	133297	1RB#38	22.49	PASS
Band71	15MHz	QPSK	133297	1RB#74	23.44	PASS
Band71	15MHz	16QAM	133297	1RB#74	22.61	PASS
Band71	15MHz	QPSK	133297	38RB#0	22.48	PASS
Band71	15MHz	16QAM	133297	38RB#0	22.43	PASS
Band71	15MHz	QPSK	133297	38RB#18	22.51	PASS
Band71	15MHz	16QAM	133297	38RB#18	22.50	PASS
Band71	15MHz	QPSK	133297	38RB#37	22.58	PASS
Band71	15MHz	16QAM	133297	38RB#37	22.61	PASS
Band71	15MHz	QPSK	133297	75RB#0	22.47	PASS
Band71	15MHz	16QAM	133297	75RB#0	21.39	PASS
Band71	15MHz	QPSK	133397	1RB#0	23.42	PASS
Band71	15MHz	16QAM	133397	1RB#0	22.70	PASS
Band71	15MHz	QPSK	133397	1RB#38	23.50	PASS
Band71	15MHz	16QAM	133397	1RB#38	22.65	PASS
Band71	15MHz	QPSK	133397	1RB#74	23.44	PASS
Band71	15MHz	16QAM	133397	1RB#74	22.74	PASS
Band71	15MHz	QPSK	133397	38RB#0	22.70	PASS

Band71	15MHz	16QAM	133397	38RB#0	22.73	PASS
Band71	15MHz	QPSK	133397	38RB#18	22.75	PASS
Band71	15MHz	16QAM	133397	38RB#18	22.78	PASS
Band71	15MHz	QPSK	133397	38RB#37	22.80	PASS
Band71	15MHz	16QAM	133397	38RB#37	22.74	PASS
Band71	15MHz	QPSK	133397	75RB#0	22.63	PASS
Band71	15MHz	16QAM	133397	75RB#0	21.68	PASS
Band71	20MHz	QPSK	133222	1RB#0	23.75	PASS
Band71	20MHz	16QAM	133222	1RB#0	22.57	PASS
Band71	20MHz	QPSK	133222	1RB#49	23.26	PASS
Band71	20MHz	16QAM	133222	1RB#49	22.17	PASS
Band71	20MHz	QPSK	133222	1RB#99	23.38	PASS
Band71	20MHz	16QAM	133222	1RB#99	22.29	PASS
Band71	20MHz	QPSK	133222	50RB#0	22.43	PASS
Band71	20MHz	16QAM	133222	50RB#0	21.50	PASS
Band71	20MHz	QPSK	133222	50RB#25	22.42	PASS
Band71	20MHz	16QAM	133222	50RB#25	21.53	PASS
Band71	20MHz	QPSK	133222	50RB#50	22.46	PASS
Band71	20MHz	16QAM	133222	50RB#50	21.49	PASS
Band71	20MHz	QPSK	133222	100RB#0	22.46	PASS
Band71	20MHz	16QAM	133222	100RB#0	21.43	PASS
Band71	20MHz	QPSK	133322	1RB#0	23.41	PASS
Band71	20MHz	16QAM	133322	1RB#0	22.39	PASS
Band71	20MHz	QPSK	133322	1RB#49	23.47	PASS
Band71	20MHz	16QAM	133322	1RB#49	22.47	PASS
Band71	20MHz	QPSK	133322	1RB#99	23.72	PASS
Band71	20MHz	16QAM	133322	1RB#99	22.74	PASS
Band71	20MHz	QPSK	133322	50RB#0	22.51	PASS
Band71	20MHz	16QAM	133322	50RB#0	21.47	PASS
Band71	20MHz	QPSK	133322	50RB#25	22.47	PASS
Band71	20MHz	16QAM	133322	50RB#25	21.50	PASS
Band71	20MHz	QPSK	133322	50RB#50	22.70	PASS
Band71	20MHz	16QAM	133322	50RB#50	21.64	PASS
Band71	20MHz	QPSK	133322	100RB#0	22.60	PASS
Band71	20MHz	16QAM	133322	100RB#0	21.55	PASS
Band71	20MHz	QPSK	133372	1RB#0	23.43	PASS
Band71	20MHz	16QAM	133372	1RB#0	22.73	PASS
Band71	20MHz	QPSK	133372	1RB#49	23.61	PASS
Band71	20MHz	16QAM	133372	1RB#49	22.84	PASS
Band71	20MHz	QPSK	133372	1RB#99	23.68	PASS
Band71	20MHz	16QAM	133372	1RB#99	22.92	PASS
Band71	20MHz	QPSK	133372	50RB#0	22.57	PASS

Band71	20MHz	16QAM	133372	50RB#0	21.54	PASS
Band71	20MHz	QPSK	133372	50RB#25	22.57	PASS
Band71	20MHz	16QAM	133372	50RB#25	21.53	PASS
Band71	20MHz	QPSK	133372	50RB#50	22.72	PASS
Band71	20MHz	16QAM	133372	50RB#50	21.78	PASS
Band71	20MHz	QPSK	133372	100RB#0	22.65	PASS
Band71	20MHz	16QAM	133372	100RB#0	21.59	PASS

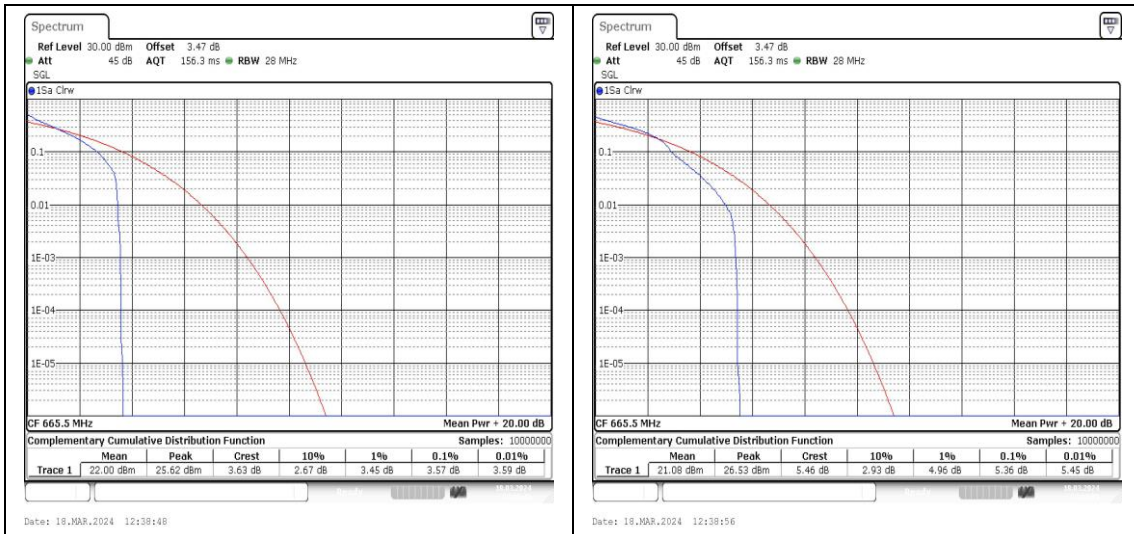
Appendix B: Peak-to-Average Ratio(CCDF)

Test Result

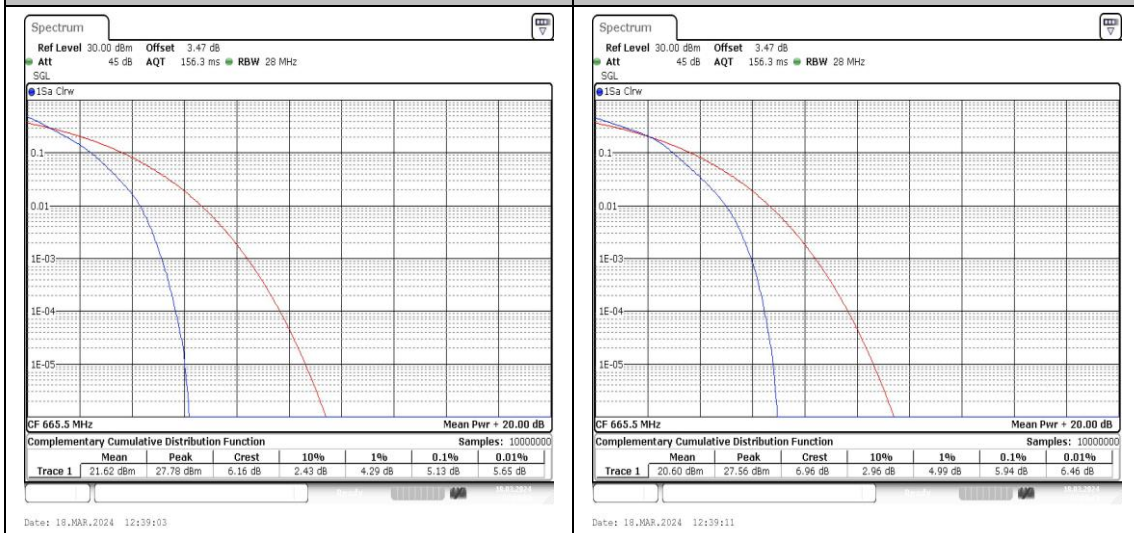
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band71	5MHz	QPSK	133147	1RB#0	3.57	13	PASS
Band71	5MHz	16QAM	133147	1RB#0	5.36	13	PASS
Band71	5MHz	QPSK	133147	25RB#0	5.13	13	PASS
Band71	5MHz	16QAM	133147	25RB#0	5.94	13	PASS
Band71	5MHz	QPSK	133297	1RB#0	3.62	13	PASS
Band71	5MHz	16QAM	133297	1RB#0	5.51	13	PASS
Band71	5MHz	QPSK	133297	25RB#0	5.28	13	PASS
Band71	5MHz	16QAM	133297	25RB#0	6.09	13	PASS
Band71	5MHz	QPSK	133447	1RB#0	3.59	13	PASS
Band71	5MHz	16QAM	133447	1RB#0	5.36	13	PASS
Band71	5MHz	QPSK	133447	25RB#0	5.16	13	PASS
Band71	5MHz	16QAM	133447	25RB#0	5.91	13	PASS
Band71	10MHz	QPSK	133172	1RB#0	3.48	13	PASS
Band71	10MHz	16QAM	133172	1RB#0	5.25	13	PASS
Band71	10MHz	QPSK	133172	50RB#0	5.01	13	PASS
Band71	10MHz	16QAM	133172	50RB#0	5.91	13	PASS
Band71	10MHz	QPSK	133297	1RB#0	3.59	13	PASS
Band71	10MHz	16QAM	133297	1RB#0	5.45	13	PASS
Band71	10MHz	QPSK	133297	50RB#0	5.16	13	PASS
Band71	10MHz	16QAM	133297	50RB#0	6.00	13	PASS
Band71	10MHz	QPSK	133422	1RB#0	3.59	13	PASS
Band71	10MHz	16QAM	133422	1RB#0	5.62	13	PASS
Band71	10MHz	QPSK	133422	50RB#0	5.07	13	PASS
Band71	10MHz	16QAM	133422	50RB#0	5.94	13	PASS
Band71	15MHz	QPSK	133197	1RB#0	3.42	13	PASS
Band71	15MHz	16QAM	133197	1RB#0	5.19	13	PASS
Band71	15MHz	QPSK	133197	75RB#0	5.19	13	PASS
Band71	15MHz	16QAM	133197	75RB#0	5.97	13	PASS
Band71	15MHz	QPSK	133297	1RB#0	3.54	13	PASS
Band71	15MHz	16QAM	133297	1RB#0	5.54	13	PASS
Band71	15MHz	QPSK	133297	75RB#0	5.33	13	PASS
Band71	15MHz	16QAM	133297	75RB#0	6.06	13	PASS
Band71	15MHz	QPSK	133397	1RB#0	3.51	13	PASS
Band71	15MHz	16QAM	133397	1RB#0	5.68	13	PASS
Band71	15MHz	QPSK	133397	75RB#0	5.28	13	PASS
Band71	15MHz	16QAM	133397	75RB#0	6.03	13	PASS

Band71	20MHz	QPSK	133222	1RB#0	3.48	13	PASS
Band71	20MHz	16QAM	133222	1RB#0	5.22	13	PASS
Band71	20MHz	QPSK	133222	100RB#0	5.01	13	PASS
Band71	20MHz	16QAM	133222	100RB#0	5.94	13	PASS
Band71	20MHz	QPSK	133322	1RB#0	3.57	13	PASS
Band71	20MHz	16QAM	133322	1RB#0	5.65	13	PASS
Band71	20MHz	QPSK	133322	100RB#0	4.90	13	PASS
Band71	20MHz	16QAM	133322	100RB#0	5.88	13	PASS
Band71	20MHz	QPSK	133372	1RB#0	3.51	13	PASS
Band71	20MHz	16QAM	133372	1RB#0	5.59	13	PASS
Band71	20MHz	QPSK	133372	100RB#0	4.87	13	PASS
Band71	20MHz	16QAM	133372	100RB#0	5.86	13	PASS

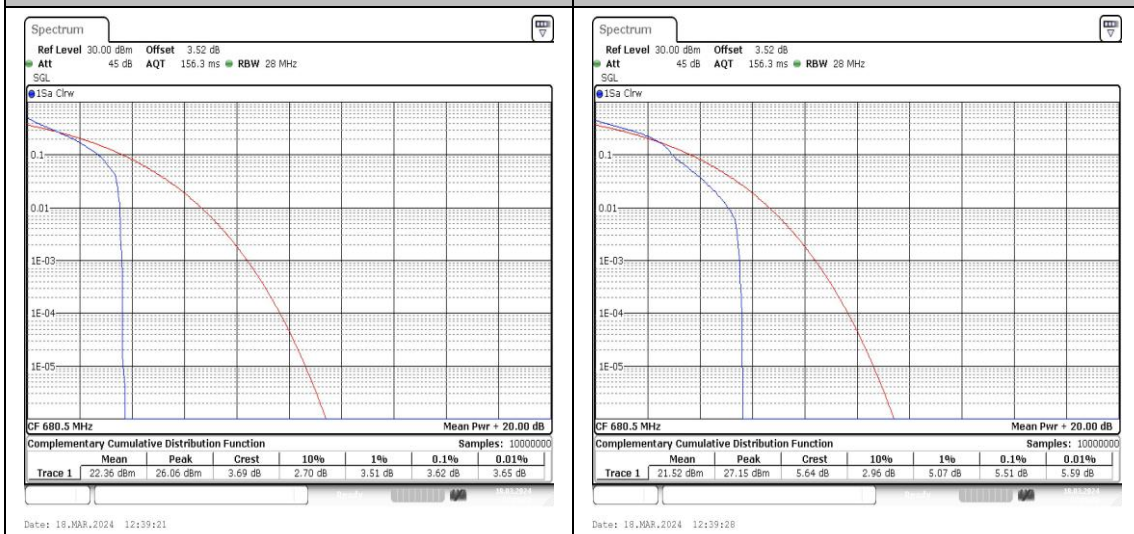
Test Graphs



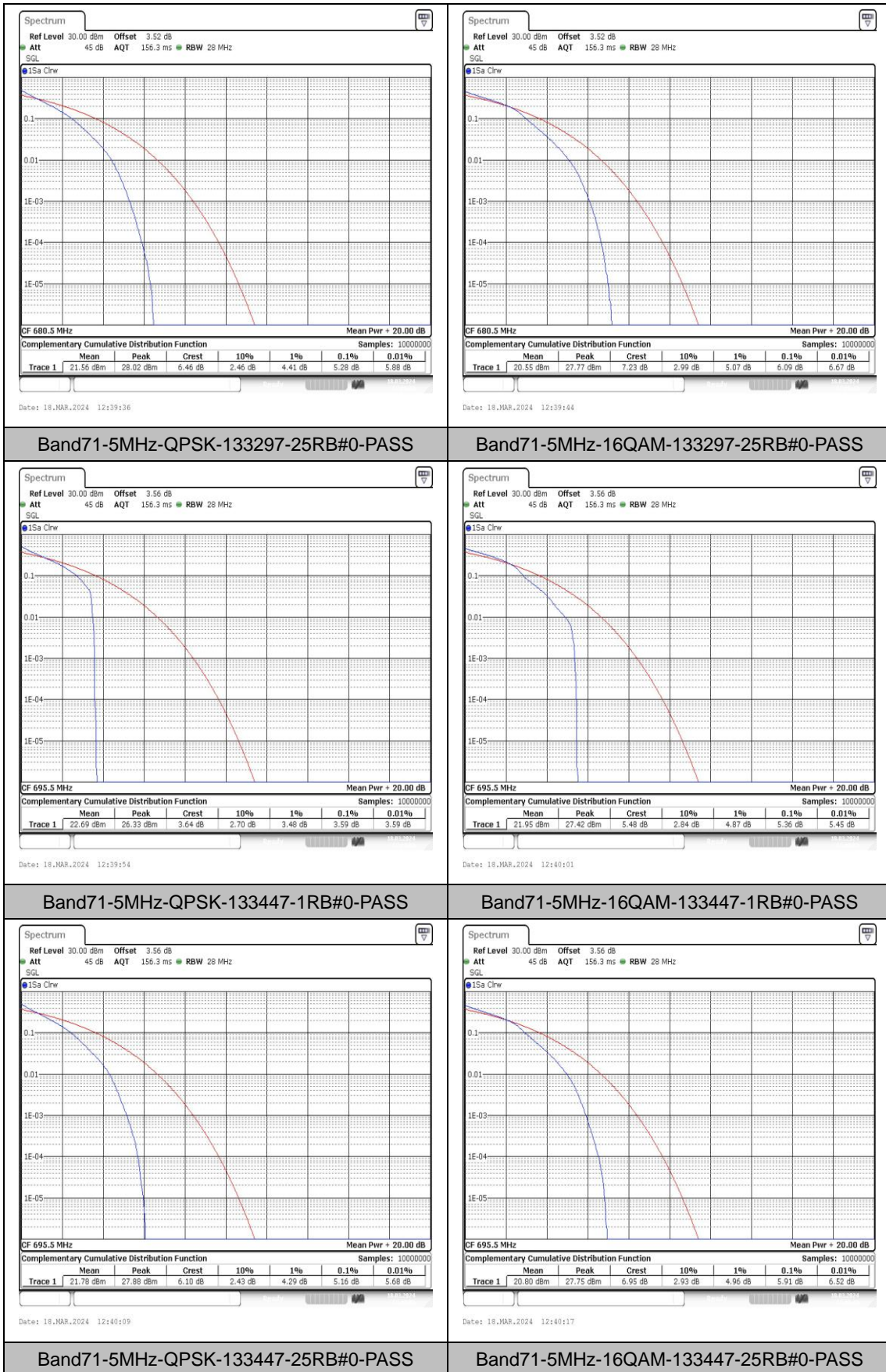
Band71-5MHz-QPSK-133147-1RB#0-PASS **Band71-5MHz-16QAM-133147-1RB#0-PASS**

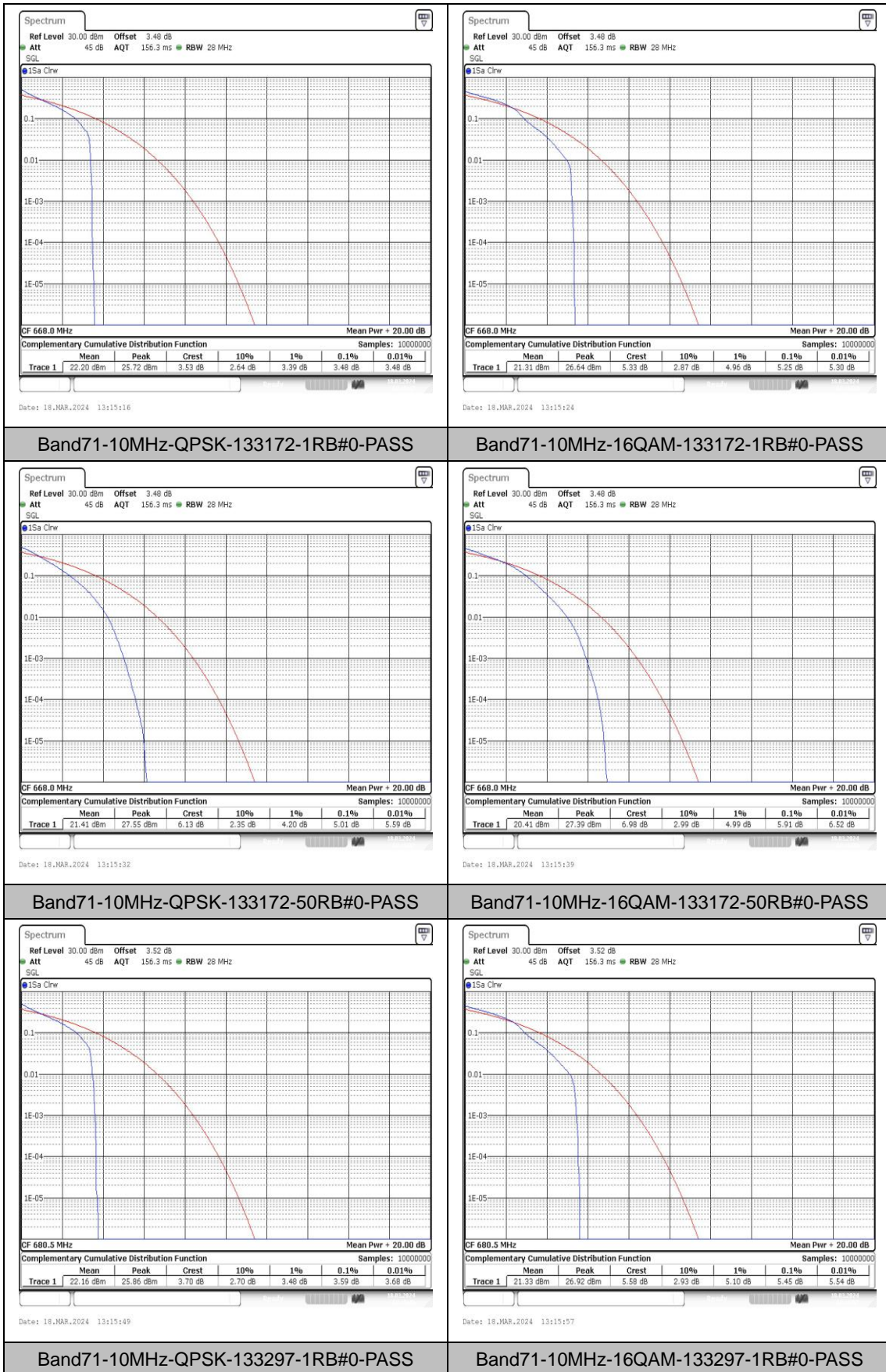


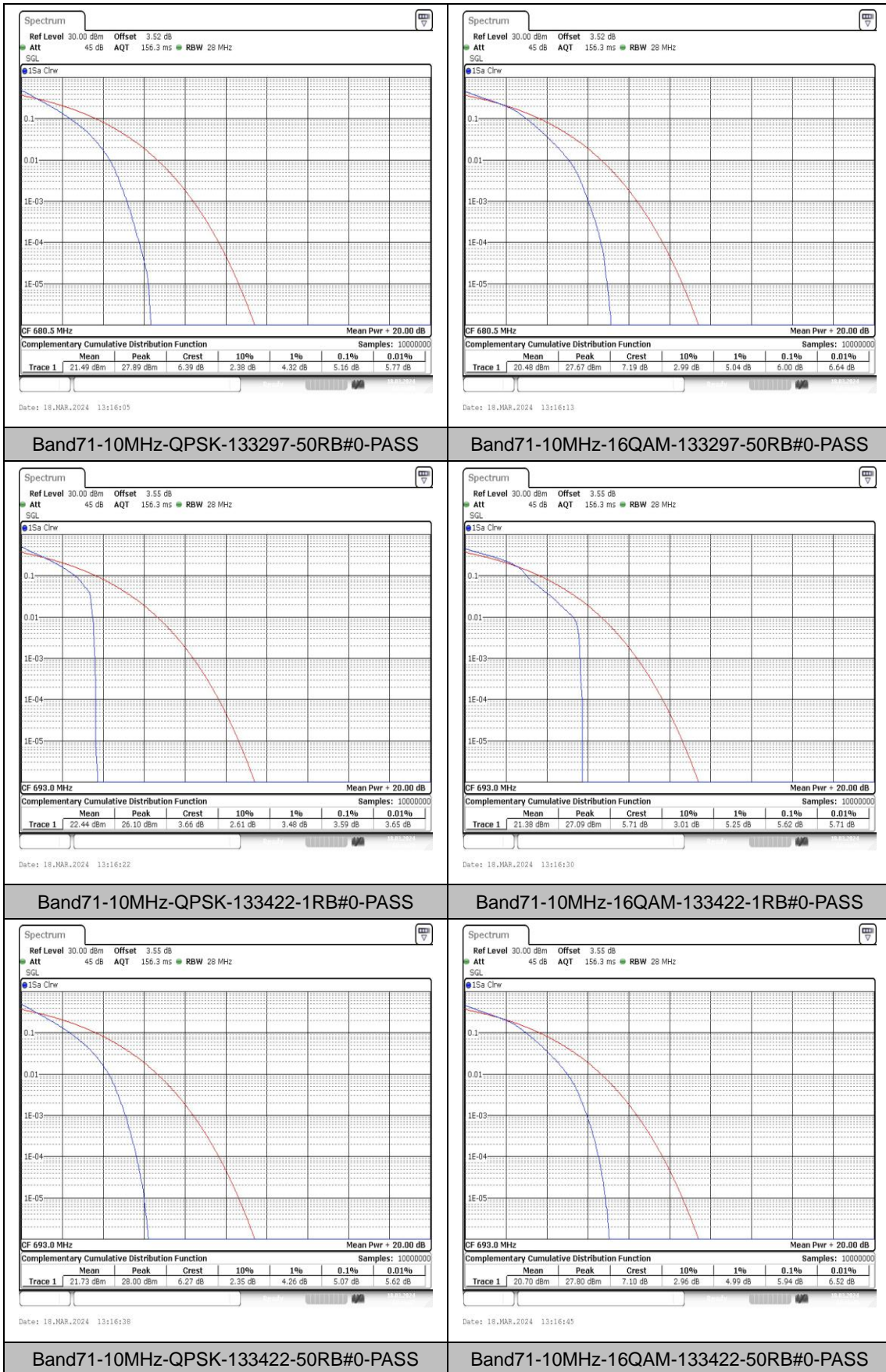
Band71-5MHz-QPSK-133147-25RB#0-PASS **Band71-5MHz-16QAM-133147-25RB#0-PASS**

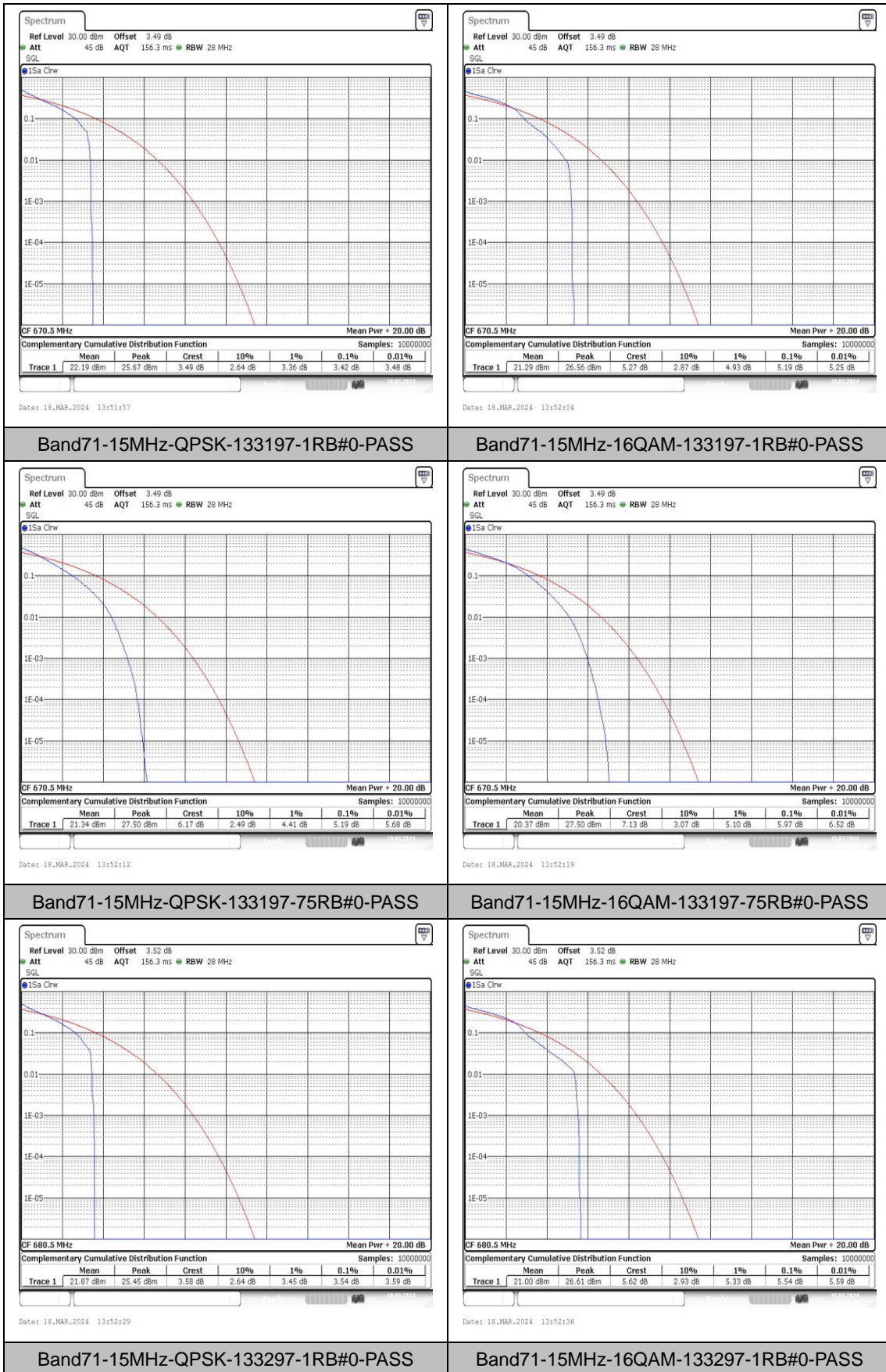


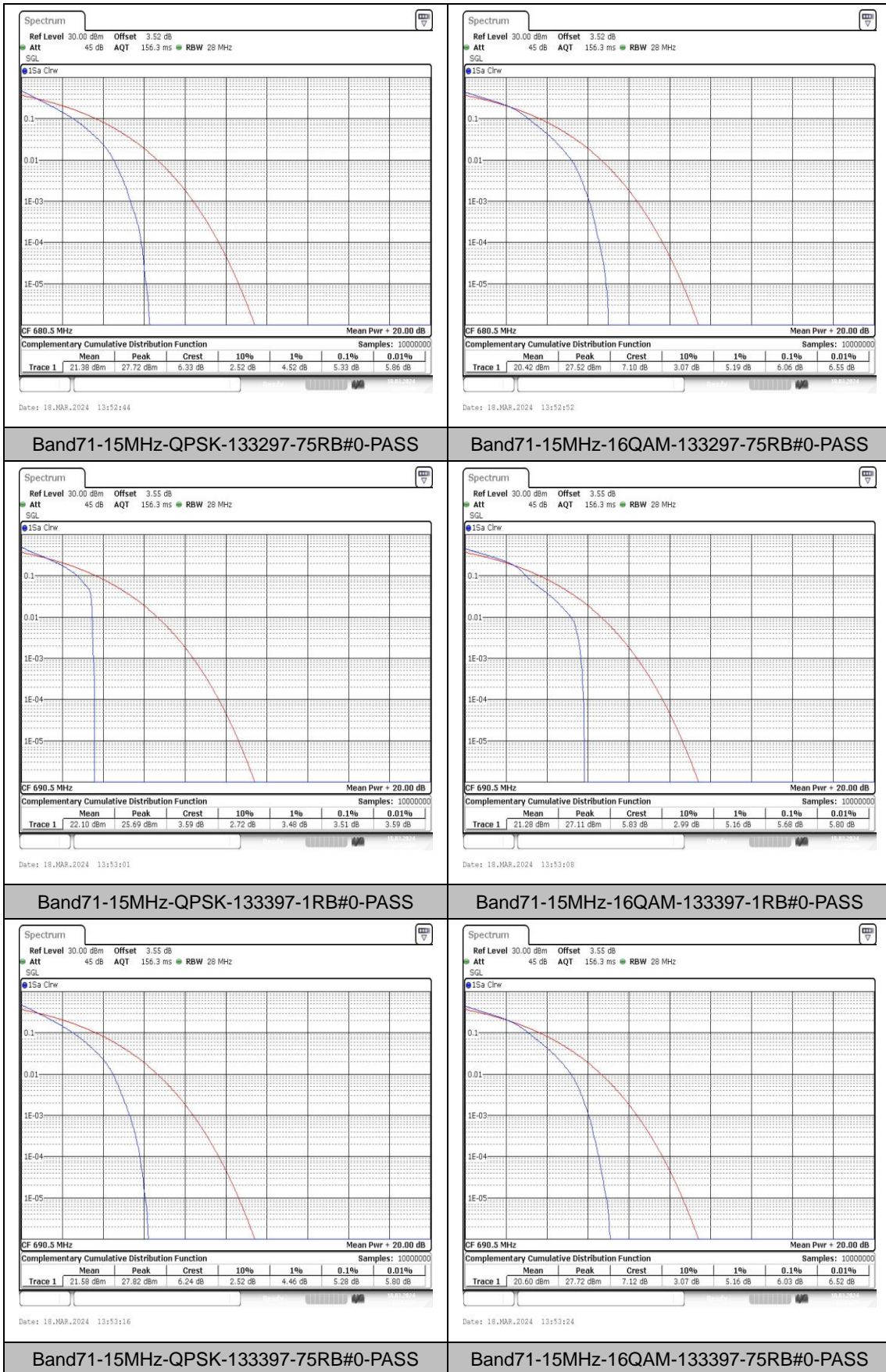
Band71-5MHz-QPSK-133297-1RB#0-PASS **Band71-5MHz-16QAM-133297-1RB#0-PASS**

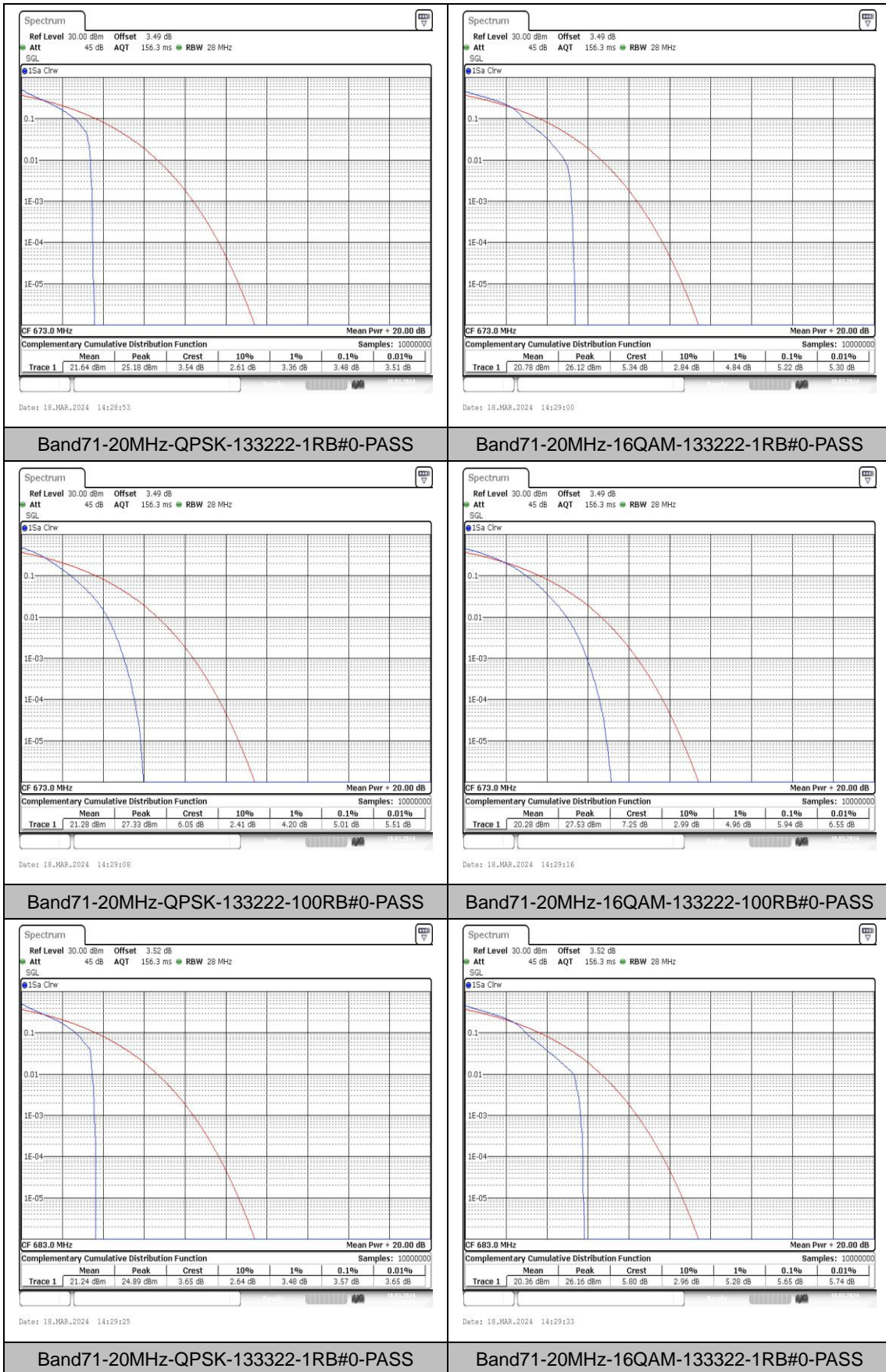


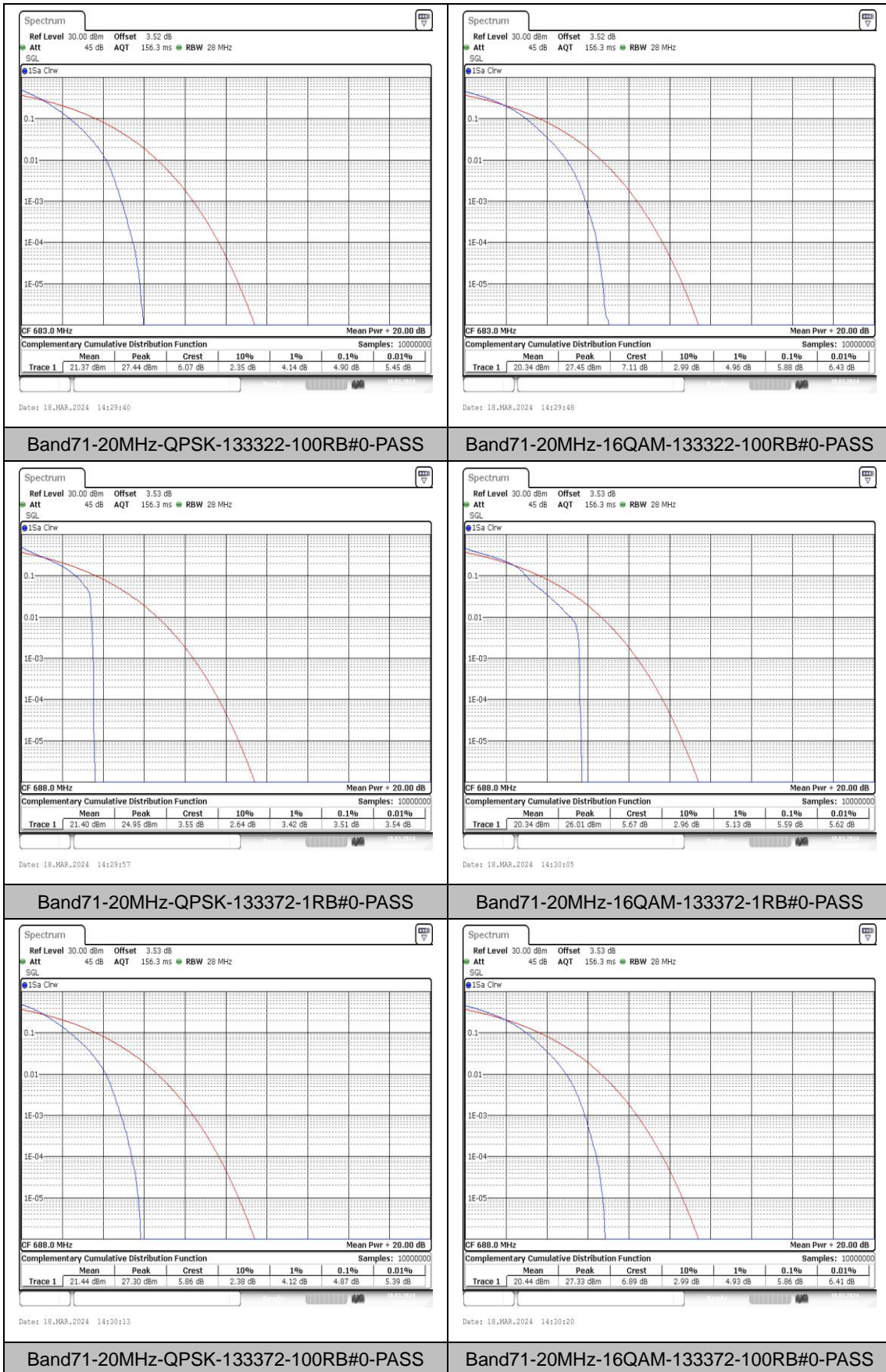










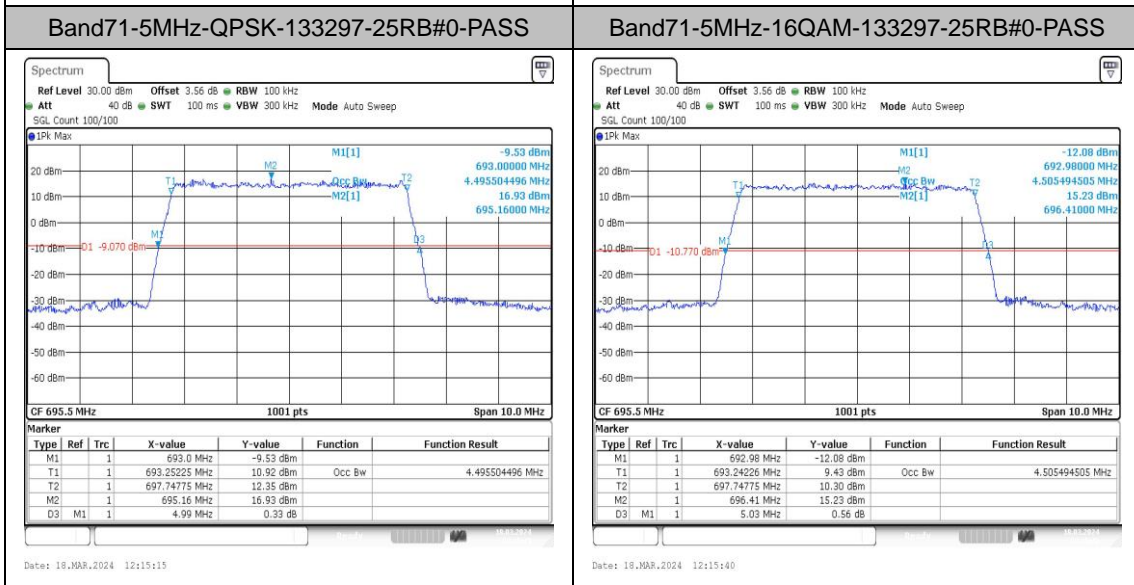
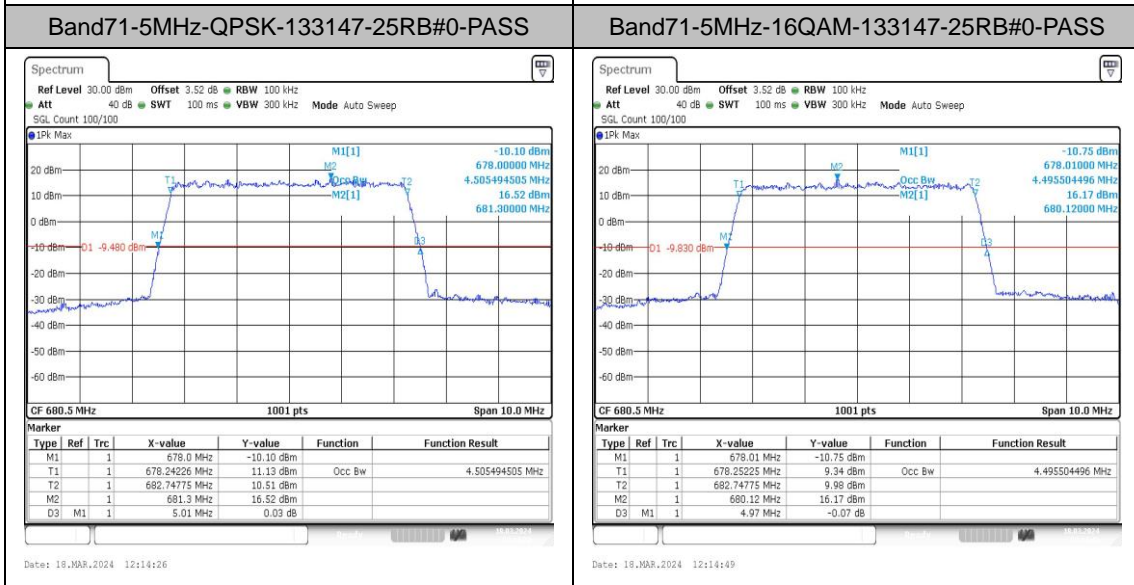
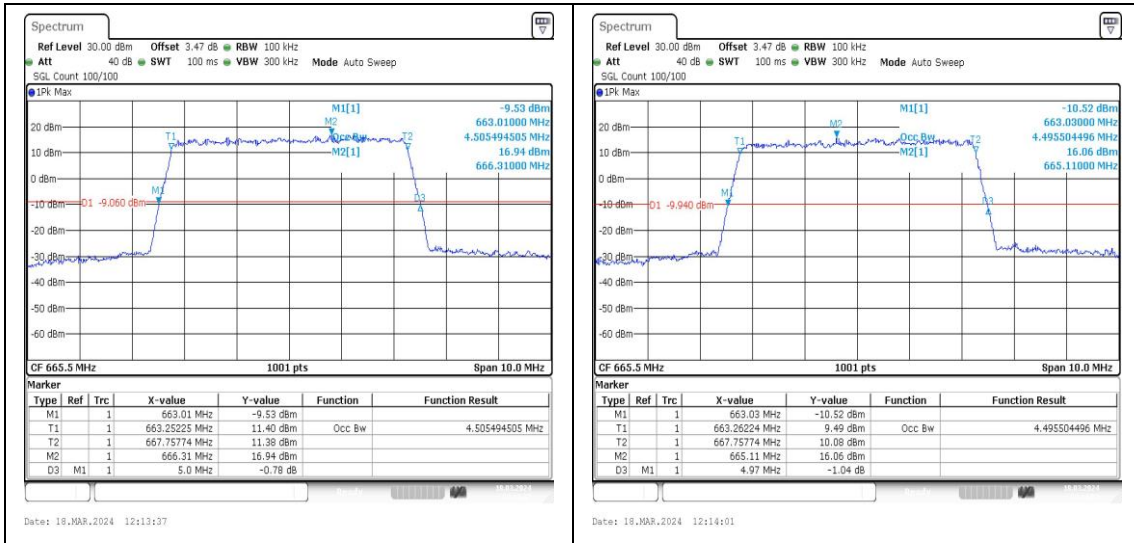


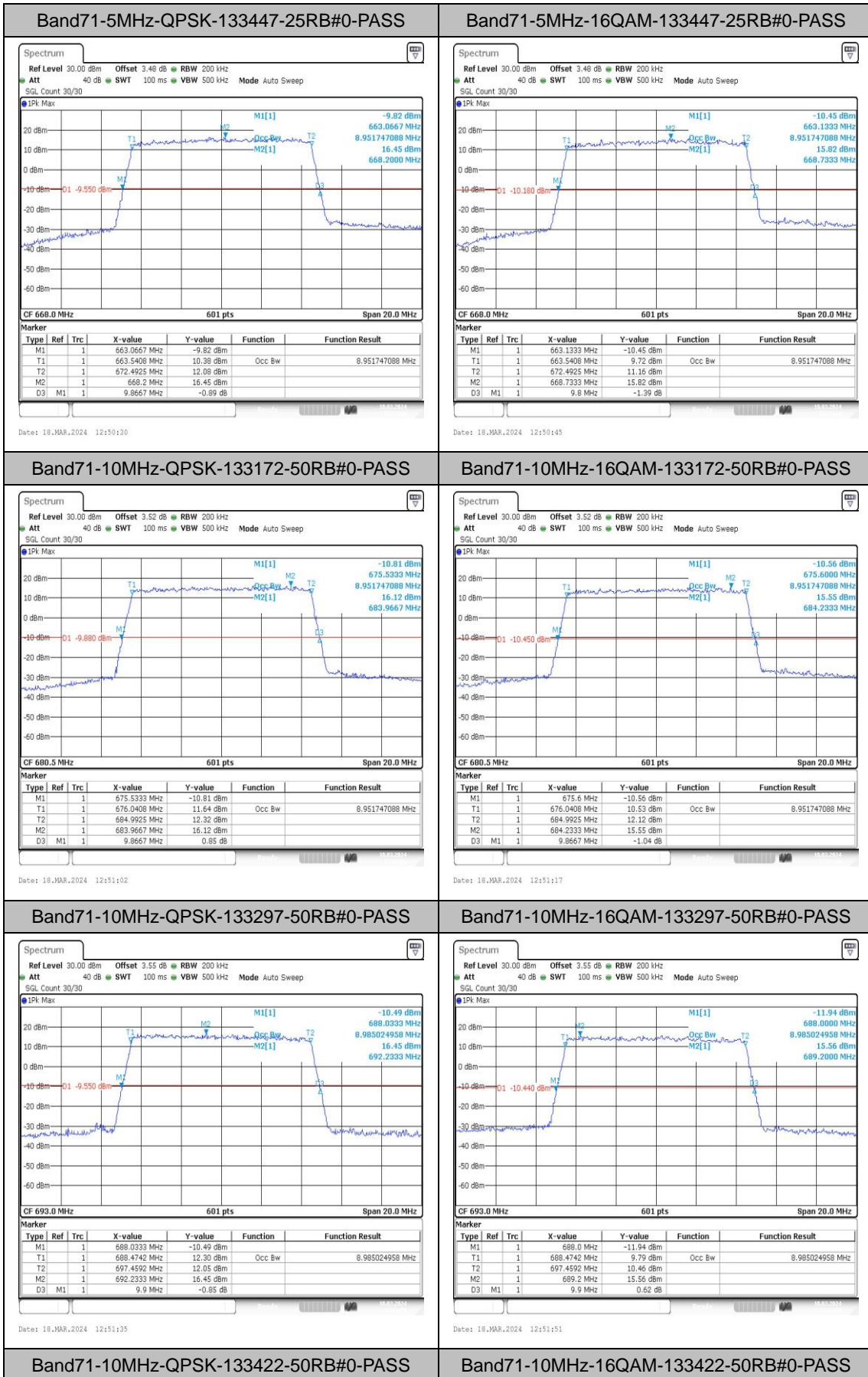
Appendix C: 26dB Bandwidth and Occupied Bandwidth

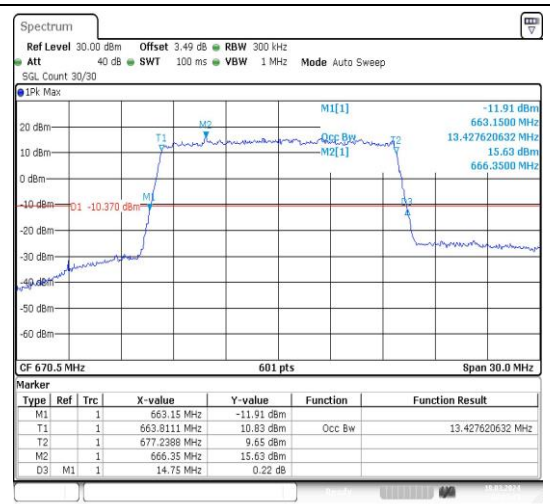
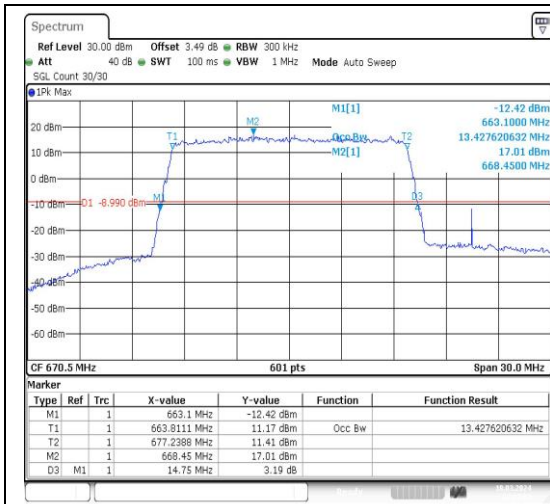
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band71	5MHz	QPSK	133147	25RB#0	4.505	5.00	PASS
Band71	5MHz	16QAM	133147	25RB#0	4.496	4.97	PASS
Band71	5MHz	QPSK	133297	25RB#0	4.505	5.01	PASS
Band71	5MHz	16QAM	133297	25RB#0	4.496	4.97	PASS
Band71	5MHz	QPSK	133447	25RB#0	4.496	4.99	PASS
Band71	5MHz	16QAM	133447	25RB#0	4.505	5.03	PASS
Band71	10MHz	QPSK	133172	50RB#0	8.952	9.87	PASS
Band71	10MHz	16QAM	133172	50RB#0	8.952	9.80	PASS
Band71	10MHz	QPSK	133297	50RB#0	8.952	9.87	PASS
Band71	10MHz	16QAM	133297	50RB#0	8.952	9.87	PASS
Band71	10MHz	QPSK	133422	50RB#0	8.985	9.90	PASS
Band71	10MHz	16QAM	133422	50RB#0	8.985	9.90	PASS
Band71	15MHz	QPSK	133197	75RB#0	13.428	14.75	PASS
Band71	15MHz	16QAM	133197	75RB#0	13.428	14.75	PASS
Band71	15MHz	QPSK	133297	75RB#0	13.478	14.80	PASS
Band71	15MHz	16QAM	133297	75RB#0	13.478	14.75	PASS
Band71	15MHz	QPSK	133397	75RB#0	13.478	14.75	PASS
Band71	15MHz	16QAM	133397	75RB#0	13.478	14.80	PASS
Band71	20MHz	QPSK	133222	100RB#0	17.903	19.73	PASS
Band71	20MHz	16QAM	133222	100RB#0	17.903	19.67	PASS
Band71	20MHz	QPSK	133322	100RB#0	17.97	19.67	PASS
Band71	20MHz	16QAM	133322	100RB#0	17.97	19.67	PASS
Band71	20MHz	QPSK	133372	100RB#0	17.903	19.87	PASS
Band71	20MHz	16QAM	133372	100RB#0	17.903	21.40	PASS

Test Graphs

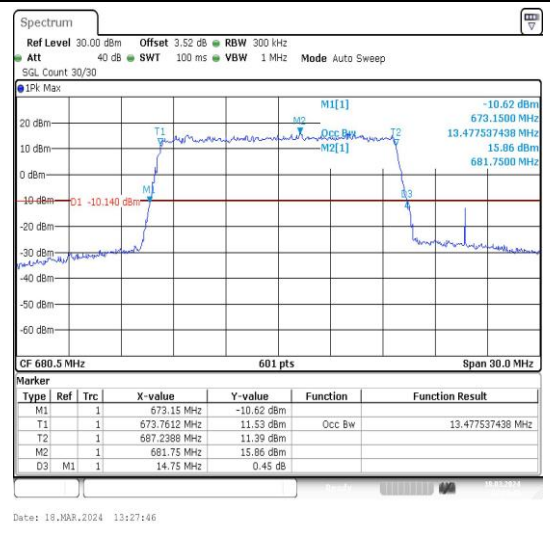
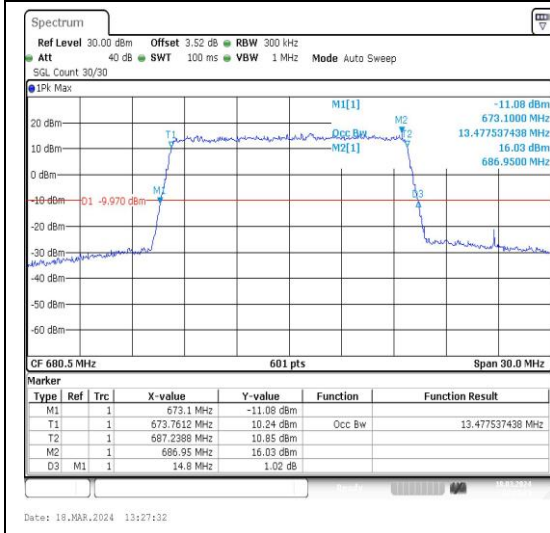






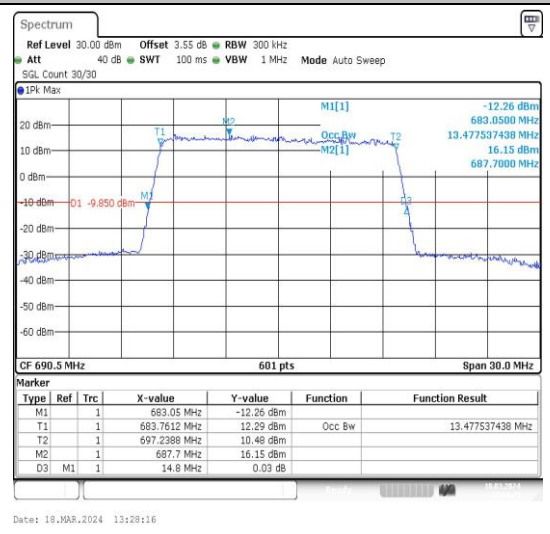
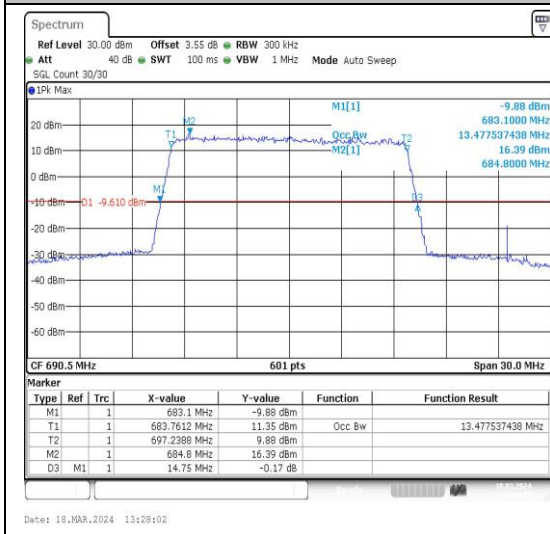
Band71-15MHz-QPSK-133197-75RB#0-PASS

Band71-15MHz-16QAM-133197-75RB#0-PASS



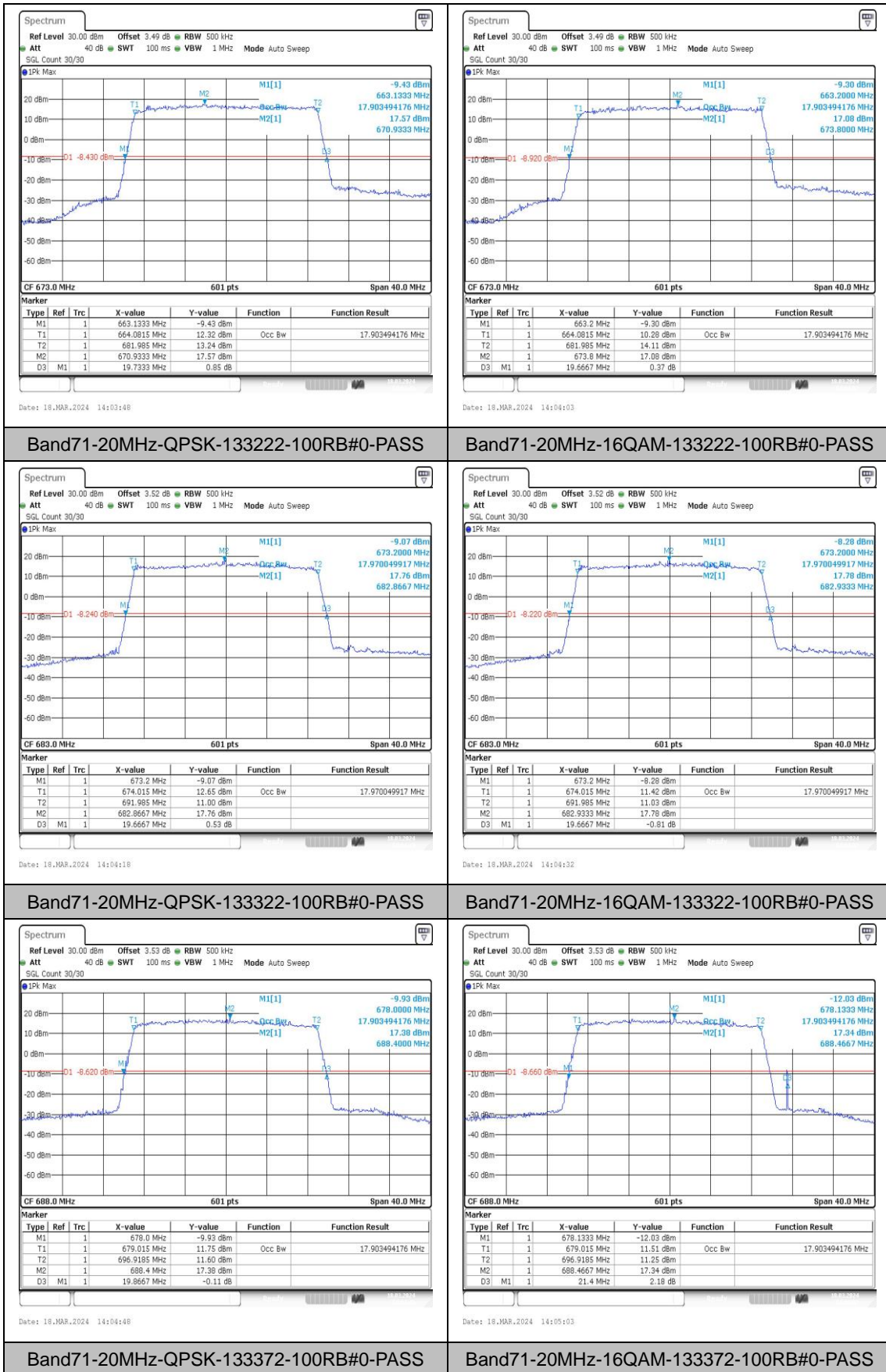
Band71-15MHz-QPSK-133297-75RB#0-PASS

Band71-15MHz-16QAM-133297-75RB#0-PASS



Band71-15MHz-QPSK-133397-75RB#0-PASS

Band71-15MHz-16QAM-133397-75RB#0-PASS



Appendix D: Band Edge

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Verdict
Band71	5MHz	QPSK	133147	1RB#0	PASS
Band71	5MHz	16QAM	133147	1RB#0	PASS
Band71	5MHz	QPSK	133147	1RB#24	PASS
Band71	5MHz	16QAM	133147	1RB#24	PASS
Band71	5MHz	QPSK	133147	25RB#0	PASS
Band71	5MHz	16QAM	133147	25RB#0	PASS
Band71	5MHz	QPSK	133447	1RB#0	PASS
Band71	5MHz	16QAM	133447	1RB#0	PASS
Band71	5MHz	QPSK	133447	1RB#24	PASS
Band71	5MHz	16QAM	133447	1RB#24	PASS
Band71	5MHz	QPSK	133447	25RB#0	PASS
Band71	5MHz	16QAM	133447	25RB#0	PASS
Band71	10MHz	QPSK	133172	1RB#0	PASS
Band71	10MHz	16QAM	133172	1RB#0	PASS
Band71	10MHz	QPSK	133172	1RB#49	PASS
Band71	10MHz	16QAM	133172	1RB#49	PASS
Band71	10MHz	QPSK	133172	50RB#0	PASS
Band71	10MHz	16QAM	133172	50RB#0	PASS
Band71	10MHz	QPSK	133422	1RB#0	PASS
Band71	10MHz	16QAM	133422	1RB#0	PASS
Band71	10MHz	QPSK	133422	1RB#49	PASS
Band71	10MHz	16QAM	133422	1RB#49	PASS
Band71	10MHz	QPSK	133422	50RB#0	PASS
Band71	10MHz	16QAM	133422	50RB#0	PASS
Band71	15MHz	QPSK	133197	1RB#0	PASS
Band71	15MHz	16QAM	133197	1RB#0	PASS
Band71	15MHz	QPSK	133197	1RB#74	PASS
Band71	15MHz	16QAM	133197	1RB#74	PASS
Band71	15MHz	QPSK	133197	75RB#0	PASS
Band71	15MHz	16QAM	133197	75RB#0	PASS
Band71	15MHz	QPSK	133397	1RB#0	PASS
Band71	15MHz	16QAM	133397	1RB#0	PASS
Band71	15MHz	QPSK	133397	1RB#74	PASS
Band71	15MHz	16QAM	133397	1RB#74	PASS
Band71	15MHz	QPSK	133397	75RB#0	PASS
Band71	15MHz	16QAM	133397	75RB#0	PASS

Band71	20MHz	QPSK	133222	1RB#0	PASS
Band71	20MHz	16QAM	133222	1RB#0	PASS
Band71	20MHz	QPSK	133222	1RB#99	PASS
Band71	20MHz	16QAM	133222	1RB#99	PASS
Band71	20MHz	QPSK	133222	100RB#0	PASS
Band71	20MHz	16QAM	133222	100RB#0	PASS
Band71	20MHz	QPSK	133372	1RB#0	PASS
Band71	20MHz	16QAM	133372	1RB#0	PASS
Band71	20MHz	QPSK	133372	1RB#99	PASS
Band71	20MHz	16QAM	133372	1RB#99	PASS
Band71	20MHz	QPSK	133372	100RB#0	PASS
Band71	20MHz	16QAM	133372	100RB#0	PASS

Test Graphs

