

Appendix for Band 71

Product Name: Smart Phone

Model No: X65

Appendix A: Average Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band71	5MHz	QPSK	133147	1RB#0	23.26	PASS
Band71	5MHz	16QAM	133147	1RB#0	22.21	PASS
Band71	5MHz	QPSK	133147	1RB#12	23.45	PASS
Band71	5MHz	16QAM	133147	1RB#12	22.43	PASS
Band71	5MHz	QPSK	133147	1RB#24	23.34	PASS
Band71	5MHz	16QAM	133147	1RB#24	22.32	PASS
Band71	5MHz	QPSK	133147	12RB#0	22.20	PASS
Band71	5MHz	16QAM	133147	12RB#0	21.19	PASS
Band71	5MHz	QPSK	133147	12RB#6	22.13	PASS
Band71	5MHz	16QAM	133147	12RB#6	21.24	PASS
Band71	5MHz	QPSK	133147	12RB#13	22.31	PASS
Band71	5MHz	16QAM	133147	12RB#13	21.34	PASS
Band71	5MHz	QPSK	133147	25RB#0	22.25	PASS
Band71	5MHz	16QAM	133147	25RB#0	21.32	PASS
Band71	5MHz	QPSK	133297	1RB#0	23.26	PASS
Band71	5MHz	16QAM	133297	1RB#0	22.25	PASS
Band71	5MHz	QPSK	133297	1RB#12	23.34	PASS
Band71	5MHz	16QAM	133297	1RB#12	22.28	PASS
Band71	5MHz	QPSK	133297	1RB#24	23.19	PASS
Band71	5MHz	16QAM	133297	1RB#24	22.17	PASS
Band71	5MHz	QPSK	133297	12RB#0	22.19	PASS
Band71	5MHz	16QAM	133297	12RB#0	21.25	PASS
Band71	5MHz	QPSK	133297	12RB#6	22.23	PASS
Band71	5MHz	16QAM	133297	12RB#6	21.23	PASS
Band71	5MHz	QPSK	133297	12RB#13	22.28	PASS
Band71	5MHz	16QAM	133297	12RB#13	21.24	PASS
Band71	5MHz	QPSK	133297	25RB#0	22.25	PASS
Band71	5MHz	16QAM	133297	25RB#0	21.31	PASS
Band71	5MHz	QPSK	133447	1RB#0	23.16	PASS
Band71	5MHz	16QAM	133447	1RB#0	22.37	PASS
Band71	5MHz	QPSK	133447	1RB#12	23.33	PASS
Band71	5MHz	16QAM	133447	1RB#12	22.45	PASS
Band71	5MHz	QPSK	133447	1RB#24	23.25	PASS
Band71	5MHz	16QAM	133447	1RB#24	22.40	PASS
Band71	5MHz	QPSK	133447	12RB#0	22.19	PASS

Band71	5MHz	16QAM	133447	12RB#0	21.29	PASS
Band71	5MHz	QPSK	133447	12RB#6	22.21	PASS
Band71	5MHz	16QAM	133447	12RB#6	21.28	PASS
Band71	5MHz	QPSK	133447	12RB#13	22.30	PASS
Band71	5MHz	16QAM	133447	12RB#13	21.34	PASS
Band71	5MHz	QPSK	133447	25RB#0	22.26	PASS
Band71	5MHz	16QAM	133447	25RB#0	21.29	PASS
Band71	10MHz	QPSK	133172	1RB#0	23.37	PASS
Band71	10MHz	16QAM	133172	1RB#0	22.28	PASS
Band71	10MHz	QPSK	133172	1RB#24	23.45	PASS
Band71	10MHz	16QAM	133172	1RB#24	22.45	PASS
Band71	10MHz	QPSK	133172	1RB#49	23.47	PASS
Band71	10MHz	16QAM	133172	1RB#49	22.37	PASS
Band71	10MHz	QPSK	133172	25RB#0	22.33	PASS
Band71	10MHz	16QAM	133172	25RB#0	21.40	PASS
Band71	10MHz	QPSK	133172	25RB#12	22.31	PASS
Band71	10MHz	16QAM	133172	25RB#12	21.37	PASS
Band71	10MHz	QPSK	133172	25RB#25	22.48	PASS
Band71	10MHz	16QAM	133172	25RB#25	21.50	PASS
Band71	10MHz	QPSK	133172	50RB#0	22.34	PASS
Band71	10MHz	16QAM	133172	50RB#0	21.41	PASS
Band71	10MHz	QPSK	133297	1RB#0	23.32	PASS
Band71	10MHz	16QAM	133297	1RB#0	22.55	PASS
Band71	10MHz	QPSK	133297	1RB#24	23.27	PASS
Band71	10MHz	16QAM	133297	1RB#24	22.40	PASS
Band71	10MHz	QPSK	133297	1RB#49	23.14	PASS
Band71	10MHz	16QAM	133297	1RB#49	22.33	PASS
Band71	10MHz	QPSK	133297	25RB#0	22.34	PASS
Band71	10MHz	16QAM	133297	25RB#0	21.33	PASS
Band71	10MHz	QPSK	133297	25RB#12	22.30	PASS
Band71	10MHz	16QAM	133297	25RB#12	21.35	PASS
Band71	10MHz	QPSK	133297	25RB#25	22.29	PASS
Band71	10MHz	16QAM	133297	25RB#25	21.29	PASS
Band71	10MHz	QPSK	133297	50RB#0	22.30	PASS
Band71	10MHz	16QAM	133297	50RB#0	21.36	PASS
Band71	10MHz	QPSK	133422	1RB#0	23.17	PASS
Band71	10MHz	16QAM	133422	1RB#0	22.30	PASS
Band71	10MHz	QPSK	133422	1RB#24	23.33	PASS
Band71	10MHz	16QAM	133422	1RB#24	22.52	PASS
Band71	10MHz	QPSK	133422	1RB#49	23.28	PASS
Band71	10MHz	16QAM	133422	1RB#49	22.44	PASS
Band71	10MHz	QPSK	133422	25RB#0	22.28	PASS

Band71	10MHz	16QAM	133422	25RB#0	21.41	PASS
Band71	10MHz	QPSK	133422	25RB#12	22.29	PASS
Band71	10MHz	16QAM	133422	25RB#12	21.39	PASS
Band71	10MHz	QPSK	133422	25RB#25	22.36	PASS
Band71	10MHz	16QAM	133422	25RB#25	21.45	PASS
Band71	10MHz	QPSK	133422	50RB#0	22.34	PASS
Band71	10MHz	16QAM	133422	50RB#0	21.38	PASS
Band71	15MHz	QPSK	133197	1RB#0	23.32	PASS
Band71	15MHz	16QAM	133197	1RB#0	22.52	PASS
Band71	15MHz	QPSK	133197	1RB#38	23.47	PASS
Band71	15MHz	16QAM	133197	1RB#38	22.77	PASS
Band71	15MHz	QPSK	133197	1RB#74	23.21	PASS
Band71	15MHz	16QAM	133197	1RB#74	22.55	PASS
Band71	15MHz	QPSK	133197	38RB#0	22.53	PASS
Band71	15MHz	16QAM	133197	38RB#0	22.59	PASS
Band71	15MHz	QPSK	133197	38RB#18	22.79	PASS
Band71	15MHz	16QAM	133197	38RB#18	22.77	PASS
Band71	15MHz	QPSK	133197	38RB#37	22.59	PASS
Band71	15MHz	16QAM	133197	38RB#37	22.58	PASS
Band71	15MHz	QPSK	133197	75RB#0	22.45	PASS
Band71	15MHz	16QAM	133197	75RB#0	21.44	PASS
Band71	15MHz	QPSK	133297	1RB#0	23.30	PASS
Band71	15MHz	16QAM	133297	1RB#0	22.47	PASS
Band71	15MHz	QPSK	133297	1RB#38	23.18	PASS
Band71	15MHz	16QAM	133297	1RB#38	22.38	PASS
Band71	15MHz	QPSK	133297	1RB#74	23.01	PASS
Band71	15MHz	16QAM	133297	1RB#74	22.18	PASS
Band71	15MHz	QPSK	133297	38RB#0	22.49	PASS
Band71	15MHz	16QAM	133297	38RB#0	22.52	PASS
Band71	15MHz	QPSK	133297	38RB#18	22.40	PASS
Band71	15MHz	16QAM	133297	38RB#18	22.39	PASS
Band71	15MHz	QPSK	133297	38RB#37	22.20	PASS
Band71	15MHz	16QAM	133297	38RB#37	22.17	PASS
Band71	15MHz	QPSK	133297	75RB#0	22.25	PASS
Band71	15MHz	16QAM	133297	75RB#0	21.22	PASS
Band71	15MHz	QPSK	133397	1RB#0	23.18	PASS
Band71	15MHz	16QAM	133397	1RB#0	22.39	PASS
Band71	15MHz	QPSK	133397	1RB#38	23.15	PASS
Band71	15MHz	16QAM	133397	1RB#38	22.47	PASS
Band71	15MHz	QPSK	133397	1RB#74	23.16	PASS
Band71	15MHz	16QAM	133397	1RB#74	22.54	PASS
Band71	15MHz	QPSK	133397	38RB#0	22.41	PASS

Band71	15MHz	16QAM	133397	38RB#0	22.37	PASS
Band71	15MHz	QPSK	133397	38RB#18	22.45	PASS
Band71	15MHz	16QAM	133397	38RB#18	22.50	PASS
Band71	15MHz	QPSK	133397	38RB#37	22.45	PASS
Band71	15MHz	16QAM	133397	38RB#37	22.48	PASS
Band71	15MHz	QPSK	133397	75RB#0	22.27	PASS
Band71	15MHz	16QAM	133397	75RB#0	21.31	PASS
Band71	20MHz	QPSK	133222	1RB#0	23.17	PASS
Band71	20MHz	16QAM	133222	1RB#0	22.31	PASS
Band71	20MHz	QPSK	133222	1RB#49	23.64	PASS
Band71	20MHz	16QAM	133222	1RB#49	22.69	PASS
Band71	20MHz	QPSK	133222	1RB#99	23.08	PASS
Band71	20MHz	16QAM	133222	1RB#99	22.30	PASS
Band71	20MHz	QPSK	133222	50RB#0	22.42	PASS
Band71	20MHz	16QAM	133222	50RB#0	21.50	PASS
Band71	20MHz	QPSK	133222	50RB#25	22.41	PASS
Band71	20MHz	16QAM	133222	50RB#25	21.47	PASS
Band71	20MHz	QPSK	133222	50RB#50	22.41	PASS
Band71	20MHz	16QAM	133222	50RB#50	21.54	PASS
Band71	20MHz	QPSK	133222	100RB#0	22.43	PASS
Band71	20MHz	16QAM	133222	100RB#0	21.46	PASS
Band71	20MHz	QPSK	133322	1RB#0	23.26	PASS
Band71	20MHz	16QAM	133322	1RB#0	22.23	PASS
Band71	20MHz	QPSK	133322	1RB#49	23.33	PASS
Band71	20MHz	16QAM	133322	1RB#49	22.37	PASS
Band71	20MHz	QPSK	133322	1RB#99	23.11	PASS
Band71	20MHz	16QAM	133322	1RB#99	22.12	PASS
Band71	20MHz	QPSK	133322	50RB#0	22.28	PASS
Band71	20MHz	16QAM	133322	50RB#0	21.29	PASS
Band71	20MHz	QPSK	133322	50RB#25	22.22	PASS
Band71	20MHz	16QAM	133322	50RB#25	21.24	PASS
Band71	20MHz	QPSK	133322	50RB#50	22.12	PASS
Band71	20MHz	16QAM	133322	50RB#50	21.17	PASS
Band71	20MHz	QPSK	133322	100RB#0	22.13	PASS
Band71	20MHz	16QAM	133322	100RB#0	21.22	PASS
Band71	20MHz	QPSK	133372	1RB#0	23.15	PASS
Band71	20MHz	16QAM	133372	1RB#0	22.26	PASS
Band71	20MHz	QPSK	133372	1RB#49	23.21	PASS
Band71	20MHz	16QAM	133372	1RB#49	22.45	PASS
Band71	20MHz	QPSK	133372	1RB#99	23.14	PASS
Band71	20MHz	16QAM	133372	1RB#99	22.27	PASS
Band71	20MHz	QPSK	133372	50RB#0	22.18	PASS

Band71	20MHz	16QAM	133372	50RB#0	21.26	PASS
Band71	20MHz	QPSK	133372	50RB#25	22.23	PASS
Band71	20MHz	16QAM	133372	50RB#25	21.27	PASS
Band71	20MHz	QPSK	133372	50RB#50	22.26	PASS
Band71	20MHz	16QAM	133372	50RB#50	21.32	PASS
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Band71	20MHz	16QAM	133372	100RB#0	21.28	PASS

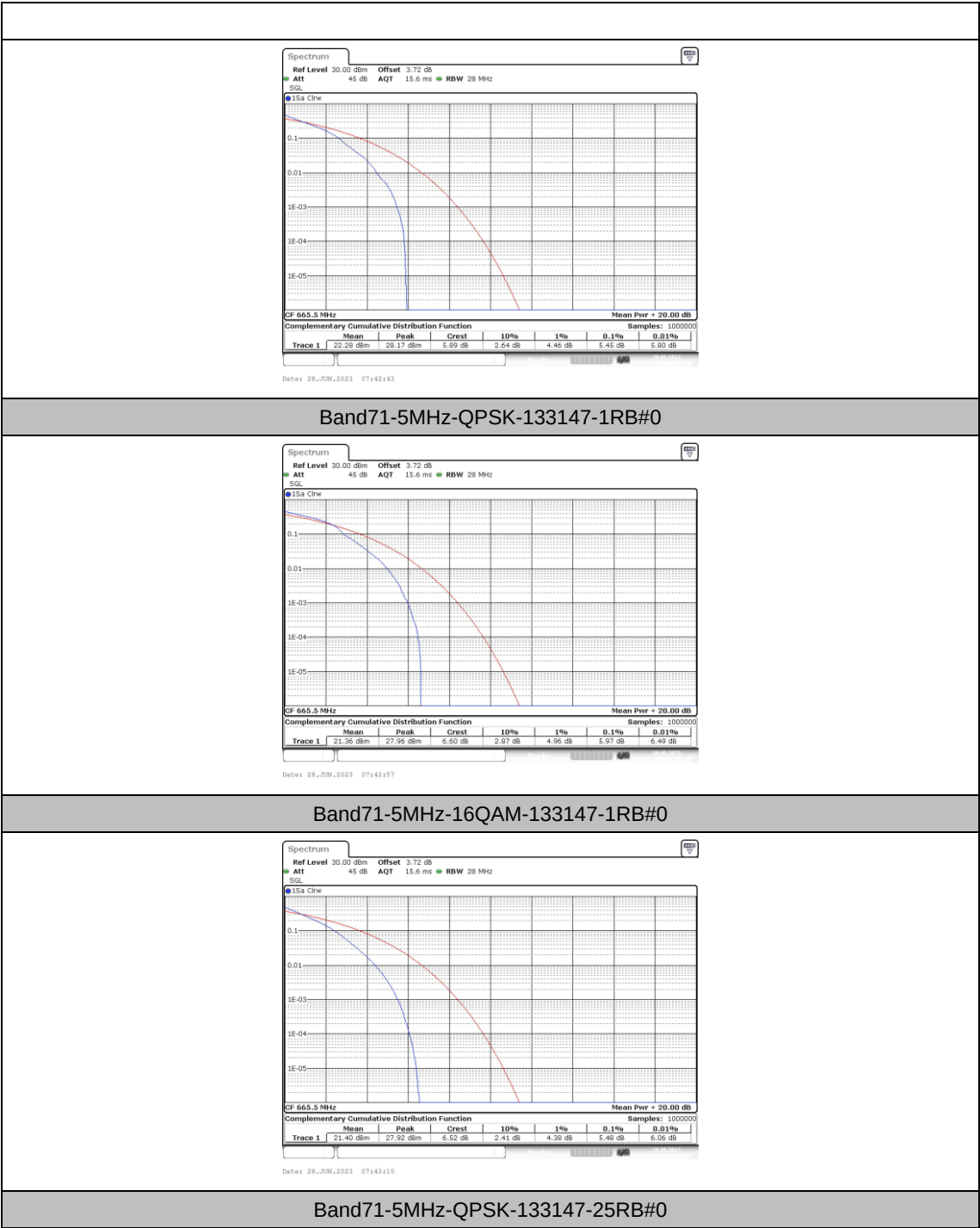
Appendix B: Peak-to-Average Ratio(CCDF)

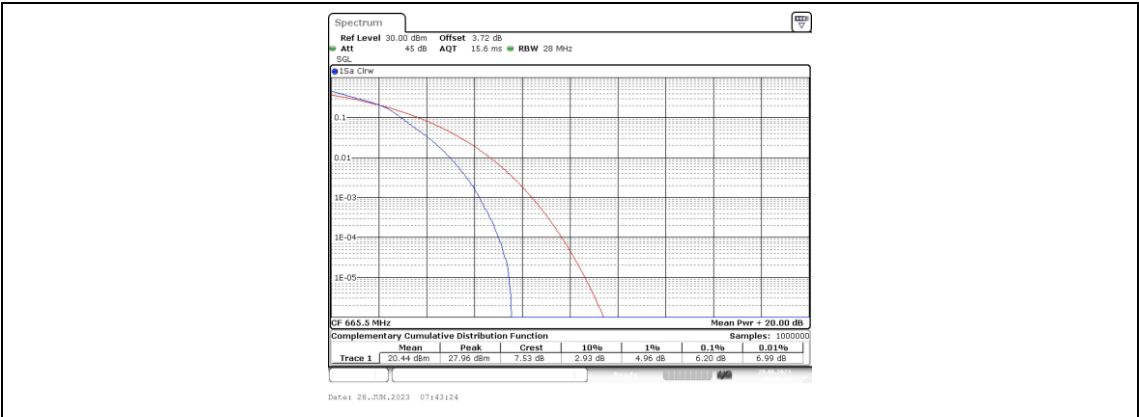
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band71	5MHz	QPSK	133147	1RB#0	5.45	13	PASS
Band71	5MHz	16QAM	133147	1RB#0	5.97	13	PASS
Band71	5MHz	QPSK	133147	25RB#0	5.48	13	PASS
Band71	5MHz	16QAM	133147	25RB#0	6.20	13	PASS
Band71	5MHz	QPSK	133297	1RB#0	5.77	13	PASS
Band71	5MHz	16QAM	133297	1RB#0	6.09	13	PASS
Band71	5MHz	QPSK	133297	25RB#0	5.65	13	PASS
Band71	5MHz	16QAM	133297	25RB#0	6.29	13	PASS
Band71	5MHz	QPSK	133447	1RB#0	5.36	13	PASS
Band71	5MHz	16QAM	133447	1RB#0	6.03	13	PASS
Band71	5MHz	QPSK	133447	25RB#0	5.51	13	PASS
Band71	5MHz	16QAM	133447	25RB#0	6.26	13	PASS
Band71	10MHz	QPSK	133172	1RB#0	5.19	13	PASS
Band71	10MHz	16QAM	133172	1RB#0	6.09	13	PASS
Band71	10MHz	QPSK	133172	50RB#0	5.45	13	PASS
Band71	10MHz	16QAM	133172	50RB#0	6.23	13	PASS
Band71	10MHz	QPSK	133297	1RB#0	5.51	13	PASS
Band71	10MHz	16QAM	133297	1RB#0	6.32	13	PASS
Band71	10MHz	QPSK	133297	50RB#0	5.57	13	PASS
Band71	10MHz	16QAM	133297	50RB#0	6.32	13	PASS
Band71	10MHz	QPSK	133422	1RB#0	5.19	13	PASS
Band71	10MHz	16QAM	133422	1RB#0	5.80	13	PASS
Band71	10MHz	QPSK	133422	50RB#0	5.54	13	PASS
Band71	10MHz	16QAM	133422	50RB#0	6.29	13	PASS
Band71	15MHz	QPSK	133197	1RB#0	5.16	13	PASS
Band71	15MHz	16QAM	133197	1RB#0	6.00	13	PASS
Band71	15MHz	QPSK	133197	75RB#0	5.77	13	PASS
Band71	15MHz	16QAM	133197	75RB#0	6.32	13	PASS
Band71	15MHz	QPSK	133297	1RB#0	5.42	13	PASS
Band71	15MHz	16QAM	133297	1RB#0	6.26	13	PASS
Band71	15MHz	QPSK	133297	75RB#0	5.86	13	PASS
Band71	15MHz	16QAM	133297	75RB#0	6.35	13	PASS
Band71	15MHz	QPSK	133397	1RB#0	5.30	13	PASS
Band71	15MHz	16QAM	133397	1RB#0	6.00	13	PASS

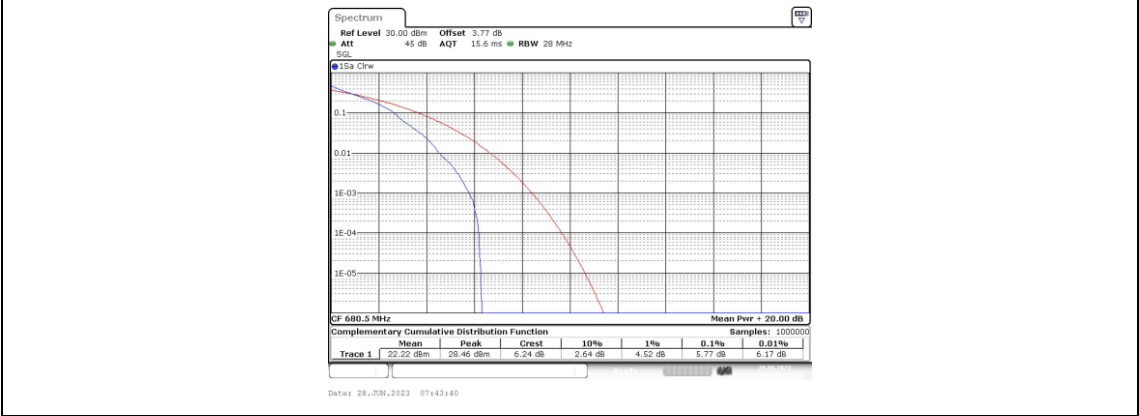
Band71	15MHz	QPSK	133397	75RB#0	5.83	13	PASS
Band71	15MHz	16QAM	133397	75RB#0	6.32	13	PASS
Band71	20MHz	QPSK	133222	1RB#0	5.10	13	PASS
Band71	20MHz	16QAM	133222	1RB#0	5.65	13	PASS
Band71	20MHz	QPSK	133222	100RB#0	5.54	13	PASS
Band71	20MHz	16QAM	133222	100RB#0	6.32	13	PASS
Band71	20MHz	QPSK	133322	1RB#0	5.33	13	PASS
Band71	20MHz	16QAM	133322	1RB#0	5.80	13	PASS
Band71	20MHz	QPSK	133322	100RB#0	5.42	13	PASS
Band71	20MHz	16QAM	133322	100RB#0	6.26	13	PASS
Band71	20MHz	QPSK	133372	1RB#0	5.65	13	PASS
Band71	20MHz	16QAM	133372	1RB#0	6.78	13	PASS
Band71	20MHz	QPSK	133372	100RB#0	5.51	13	PASS
Band71	20MHz	16QAM	133372	100RB#0	6.26	13	PASS

Test Graphs

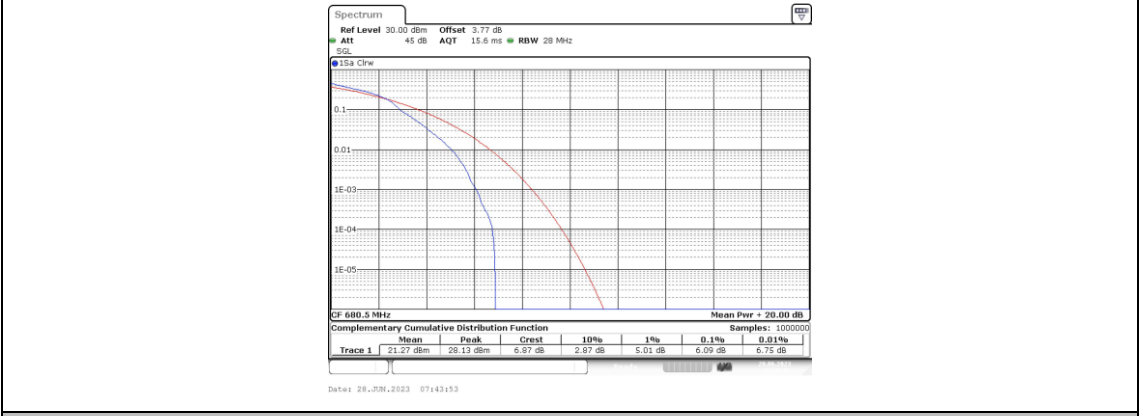




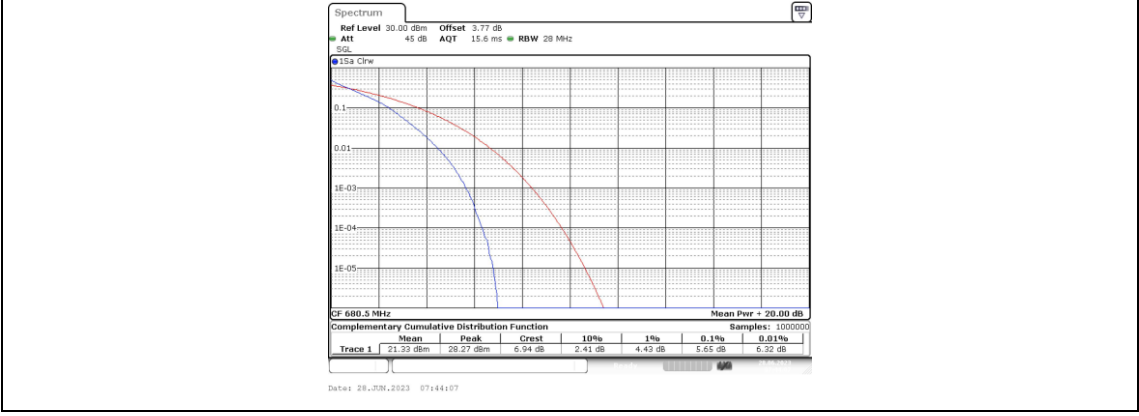
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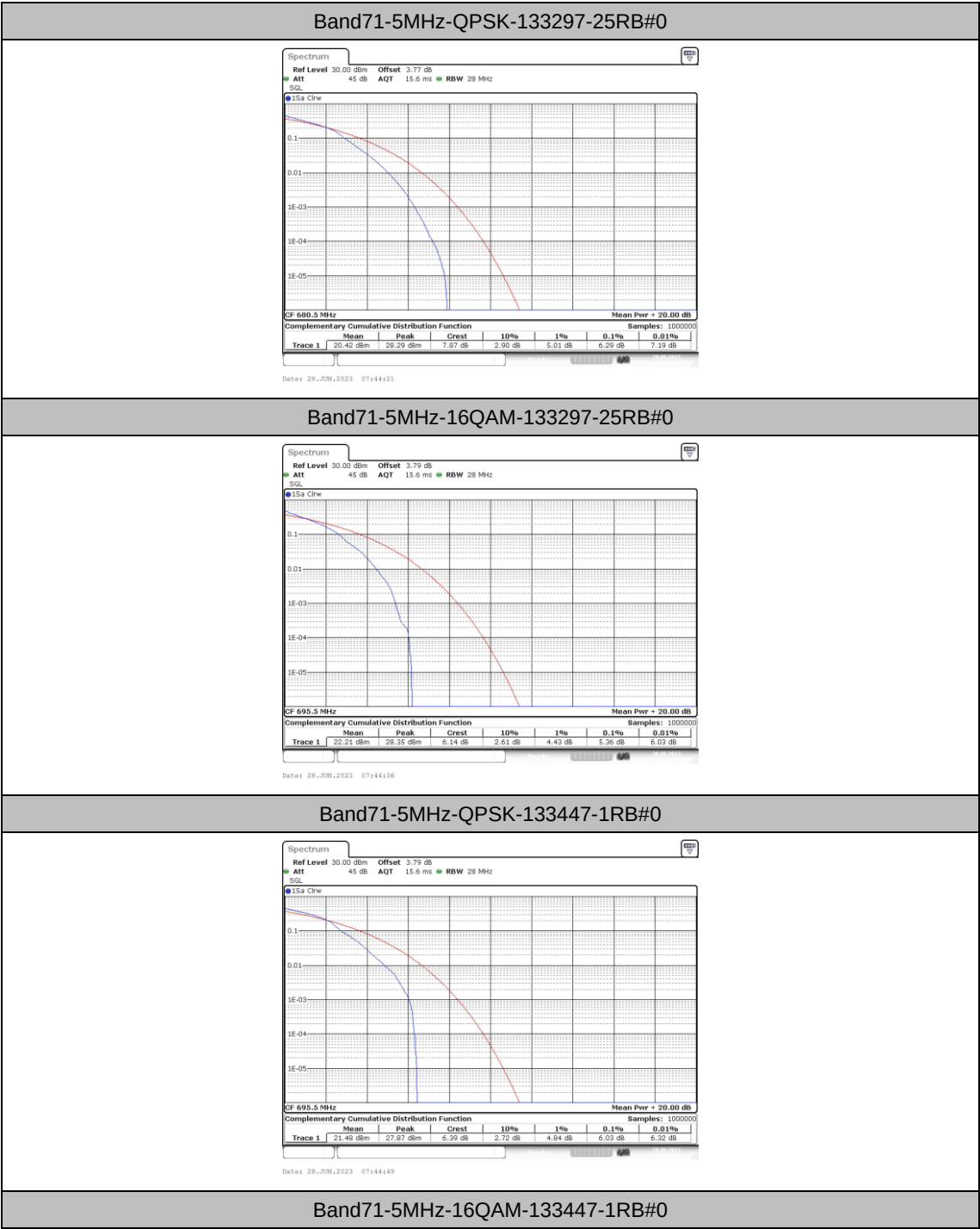


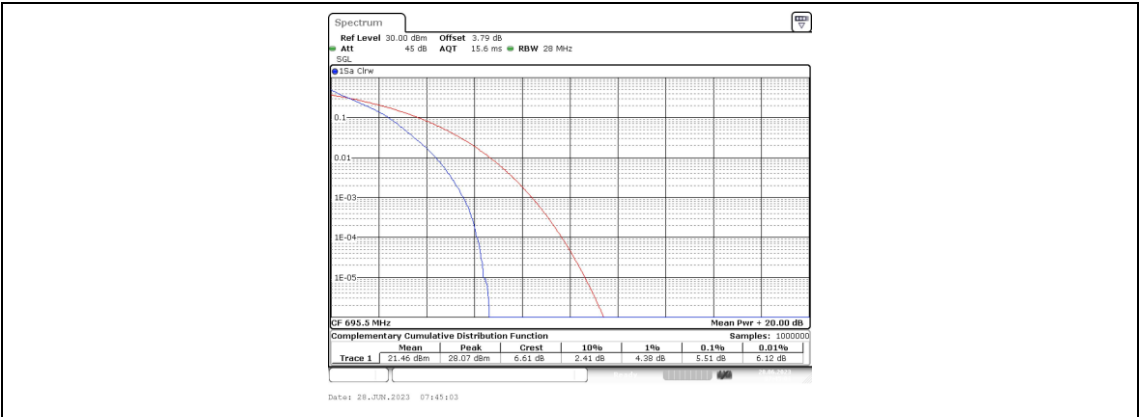
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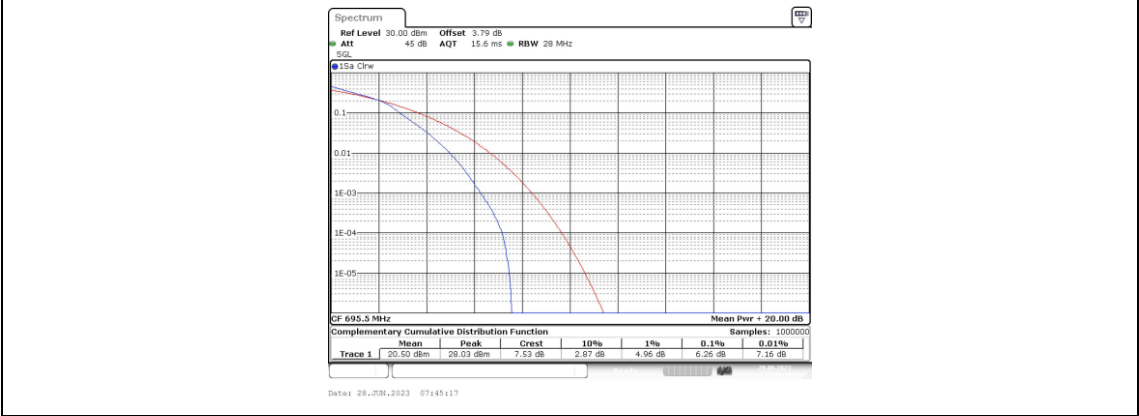
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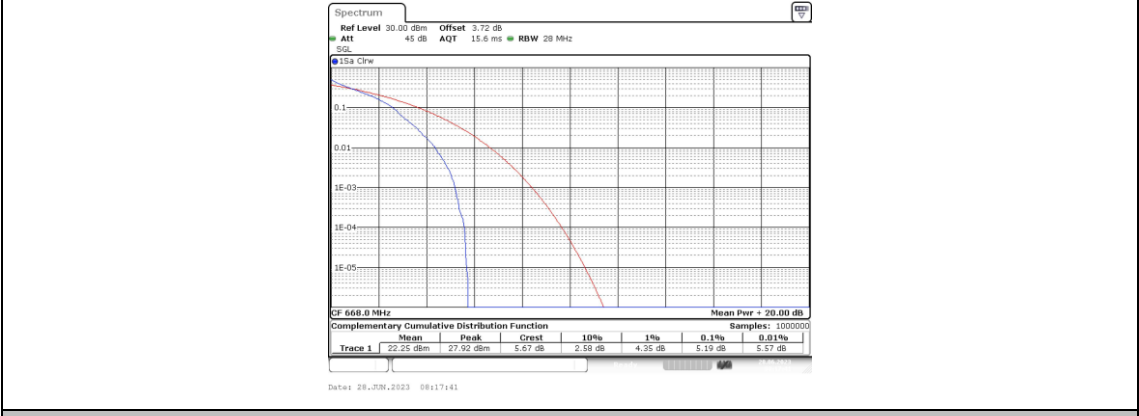




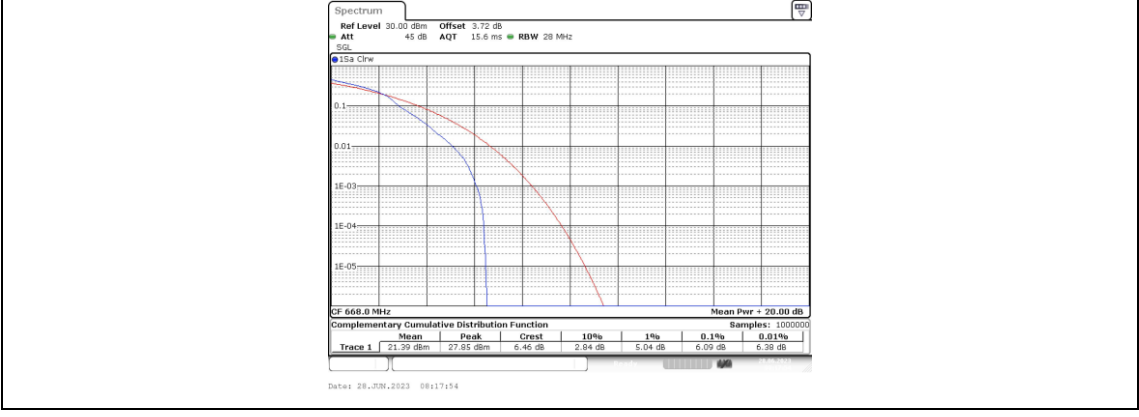
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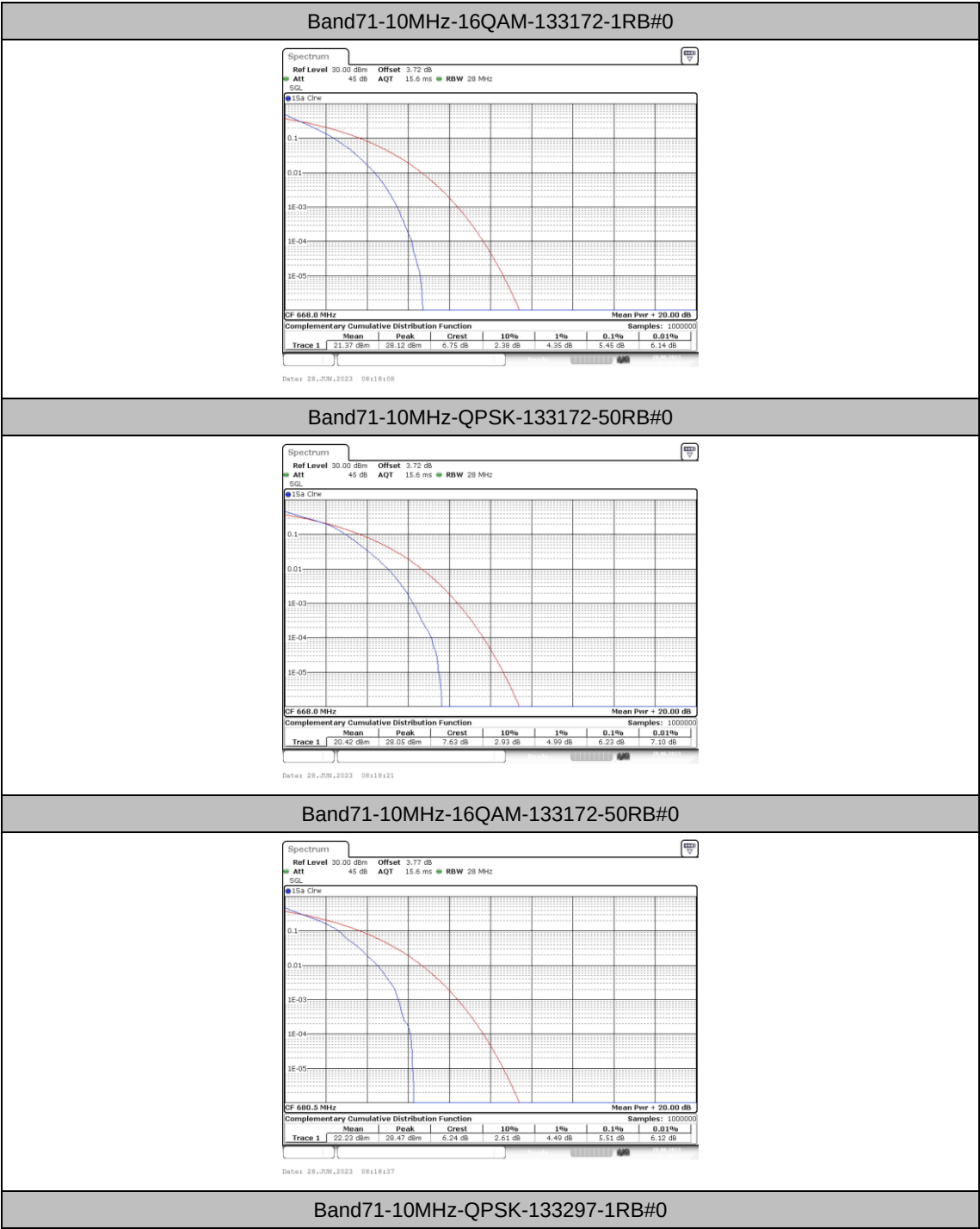


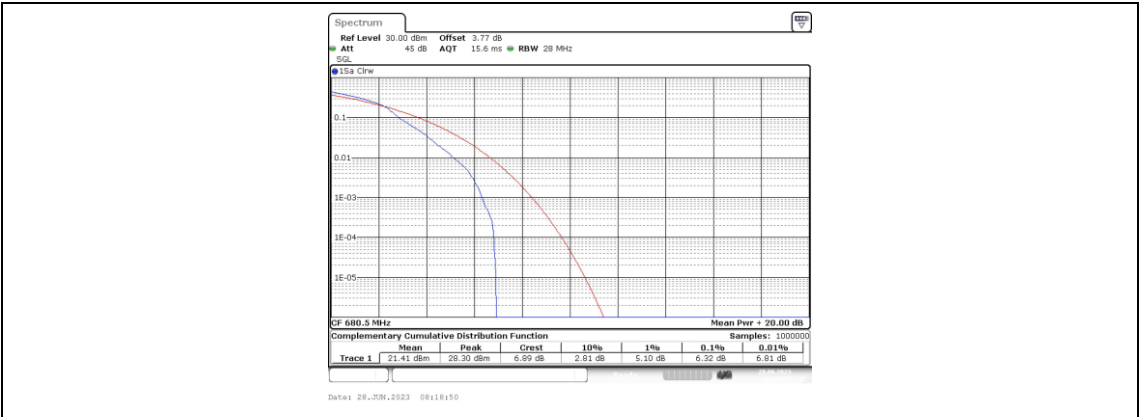
Band71-5MHz-16QAM-133447-25RB#0



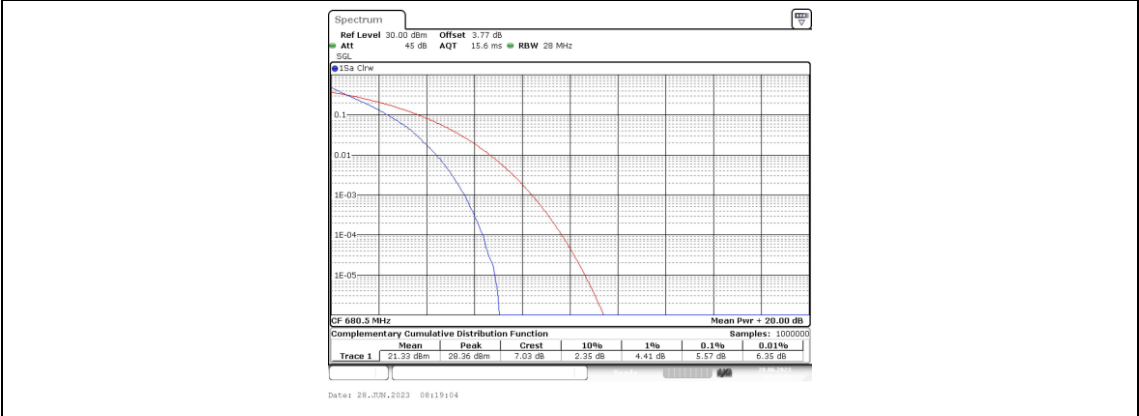
Band71-10MHz-QPSK-133172-1RB#0



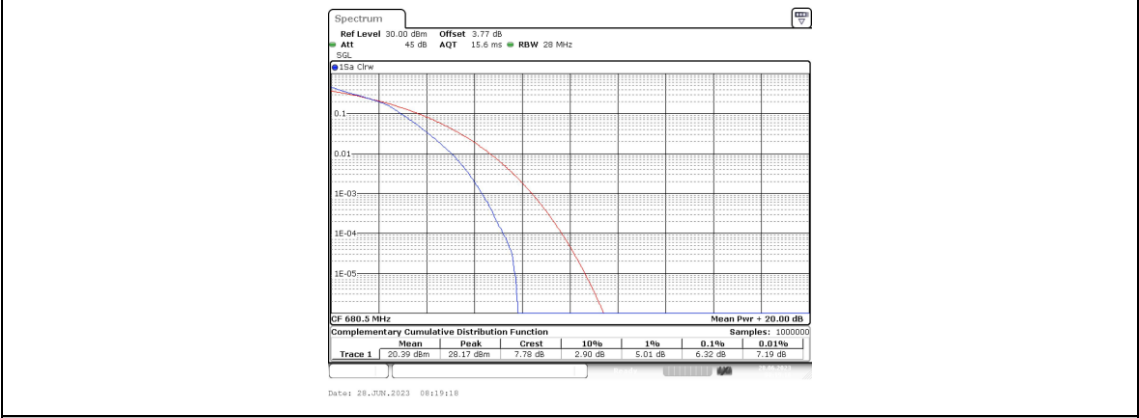




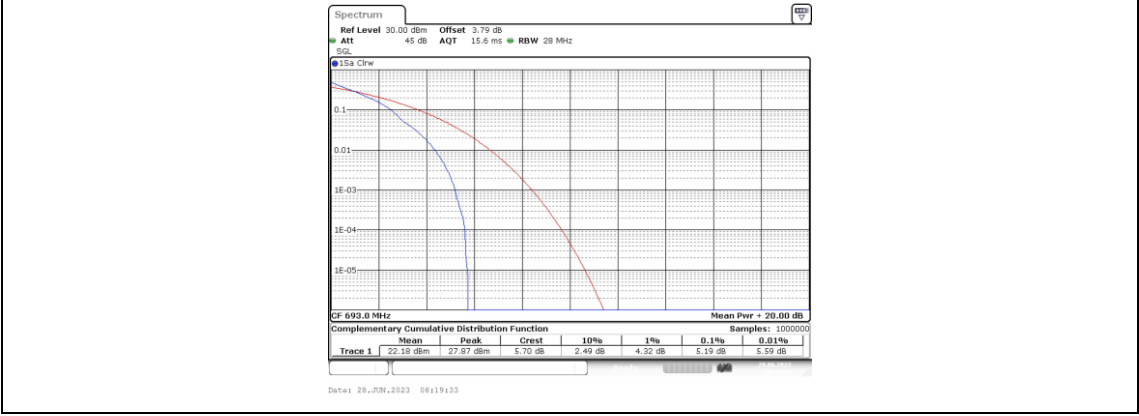
Band71-10MHz-16QAM-133297-1RB#0

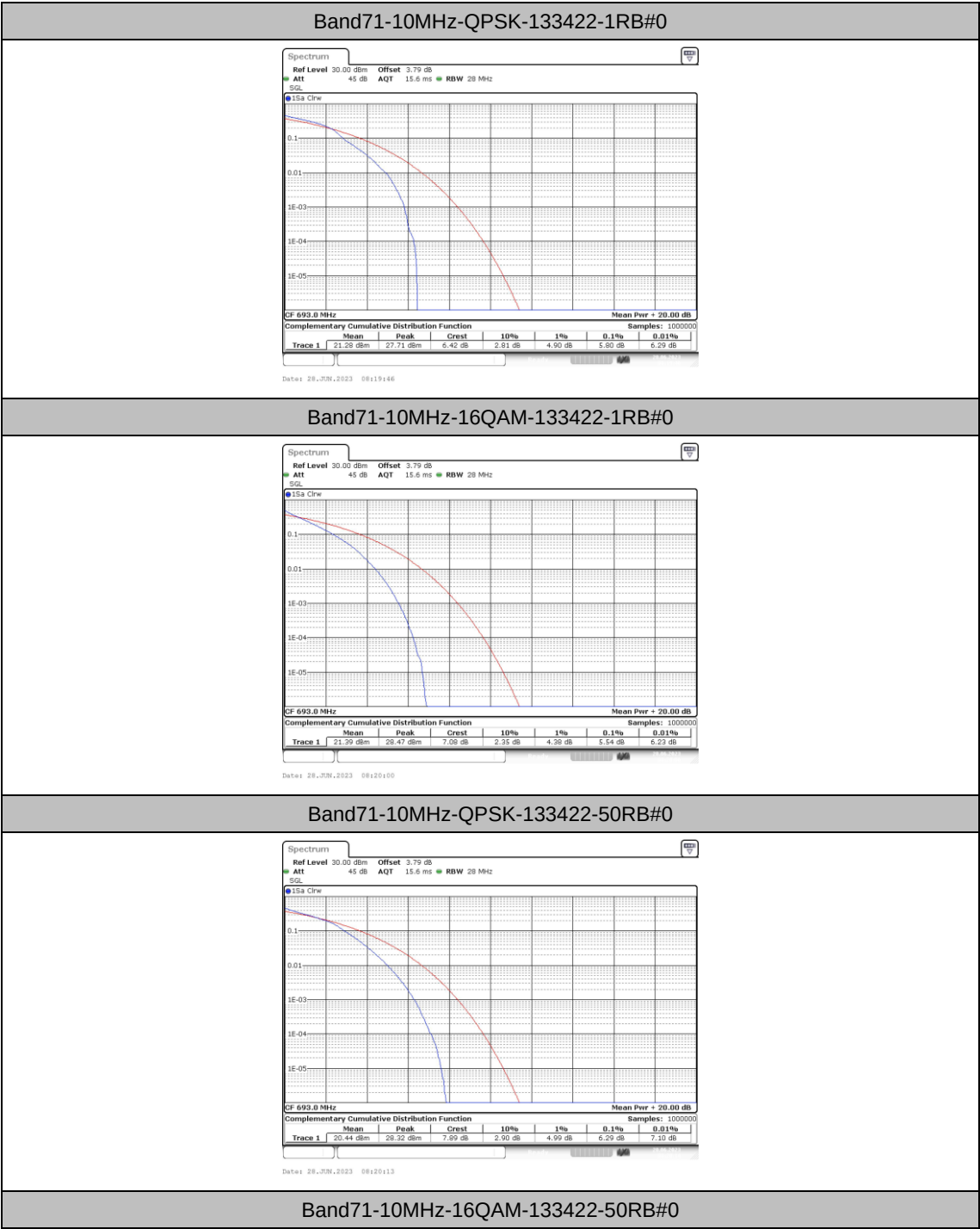


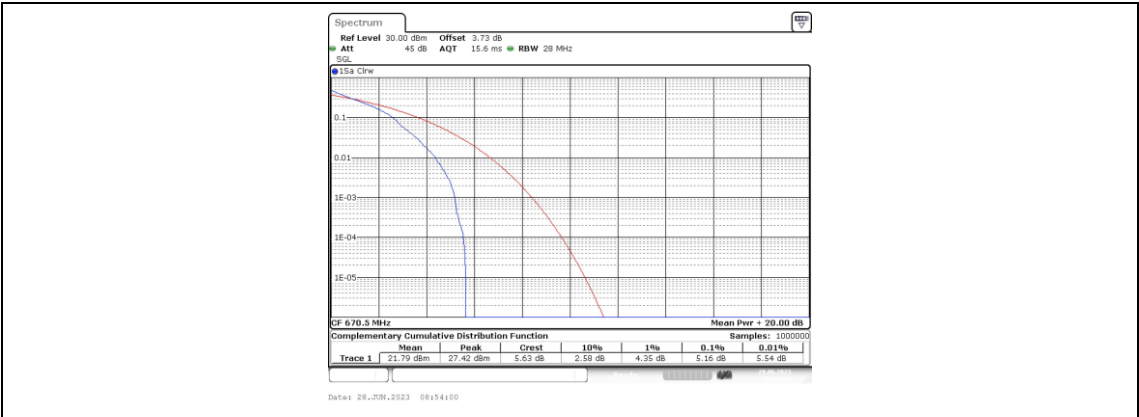
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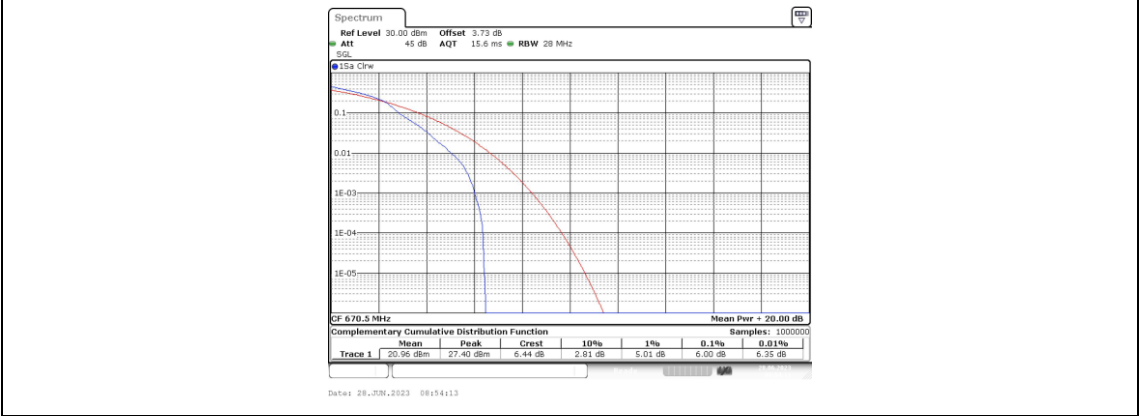
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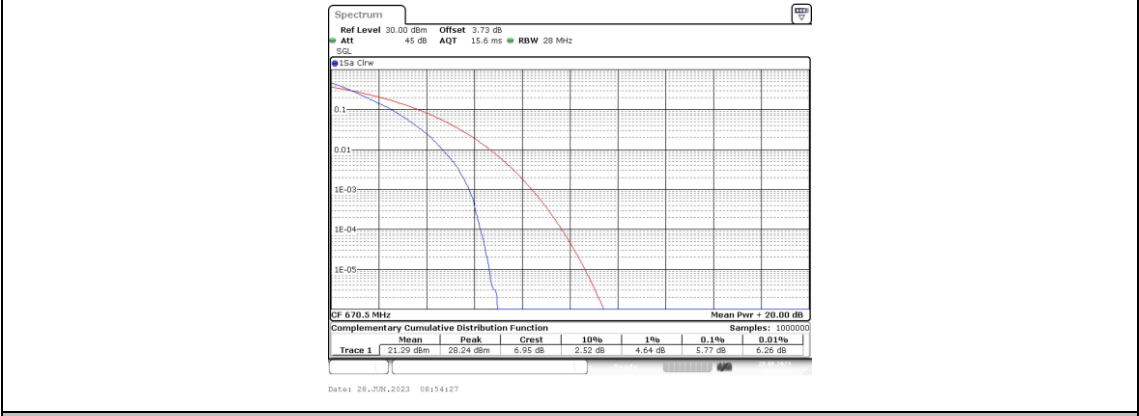




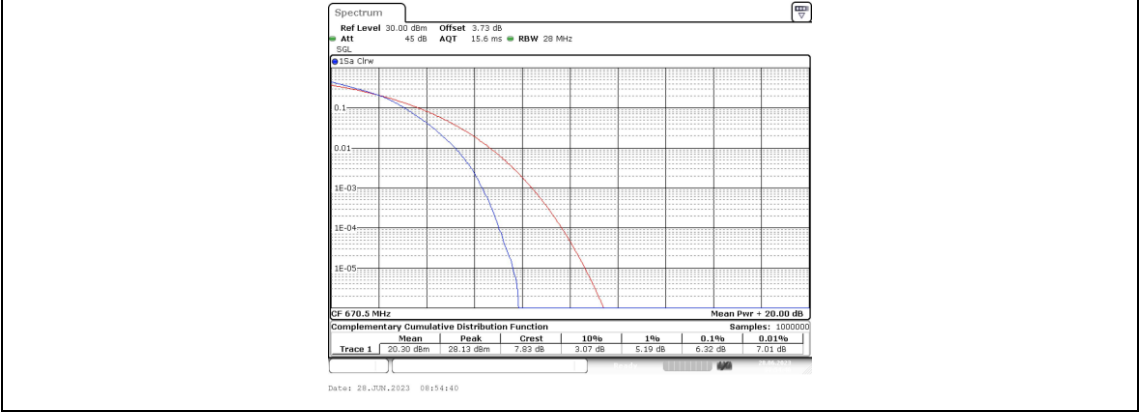
Band71-15MHz-QPSK-133197-1RB#0

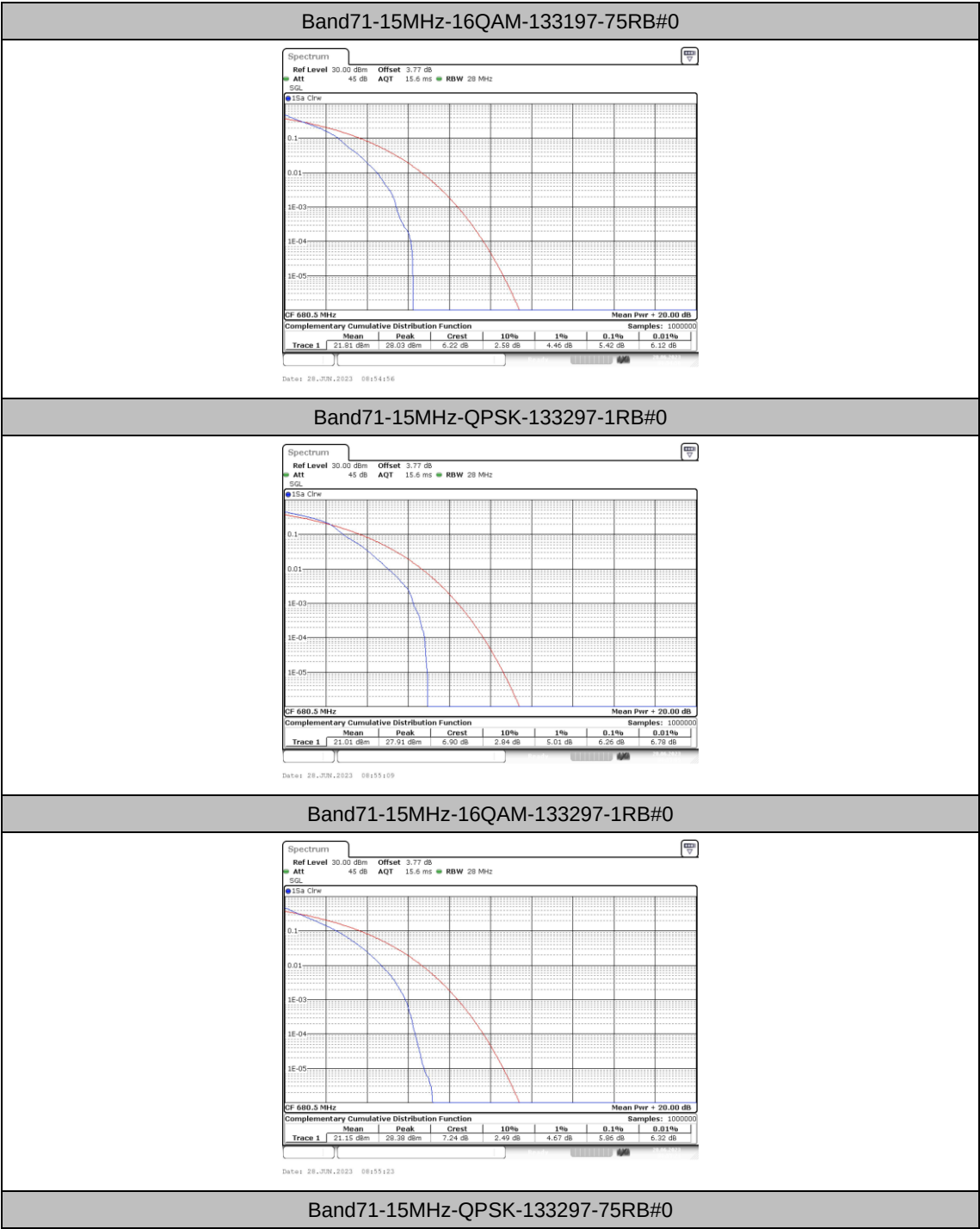


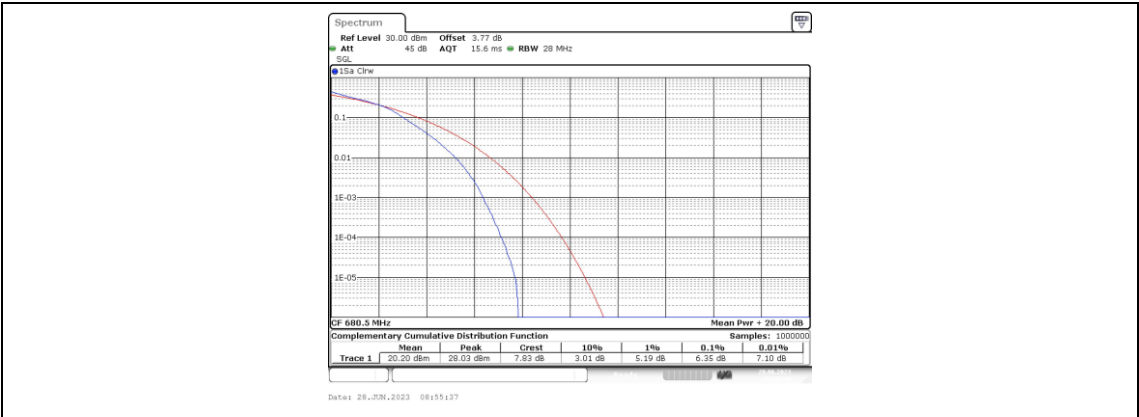
Band71-15MHz-16QAM-133197-1RB#0



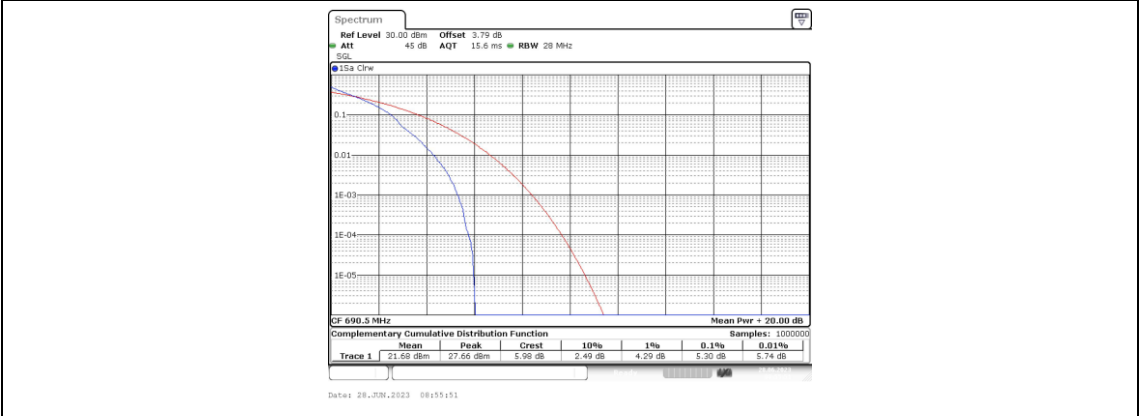
Band71-15MHz-QPSK-133197-75RB#0



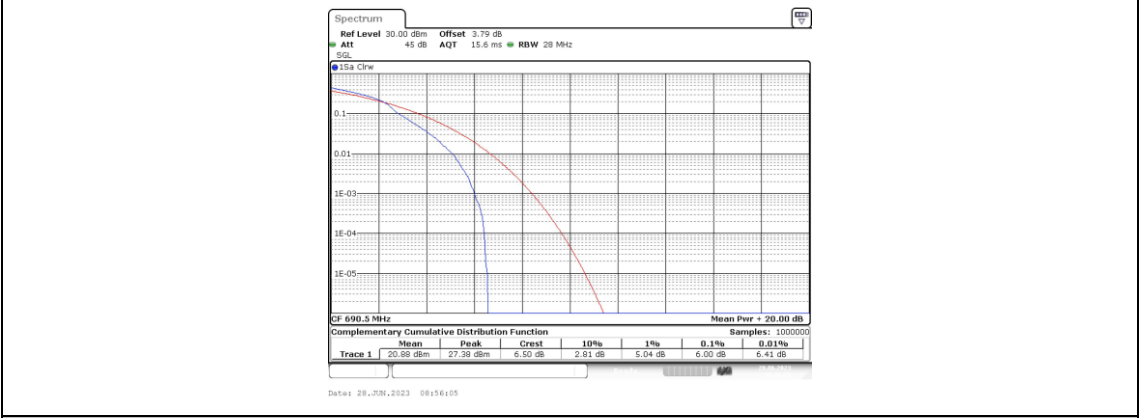




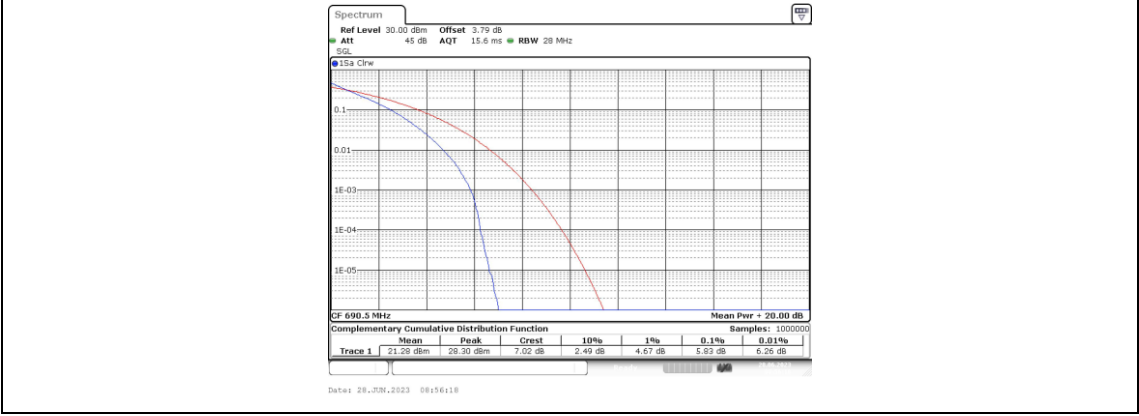
Band71-15MHz-16QAM-133297-75RB#0

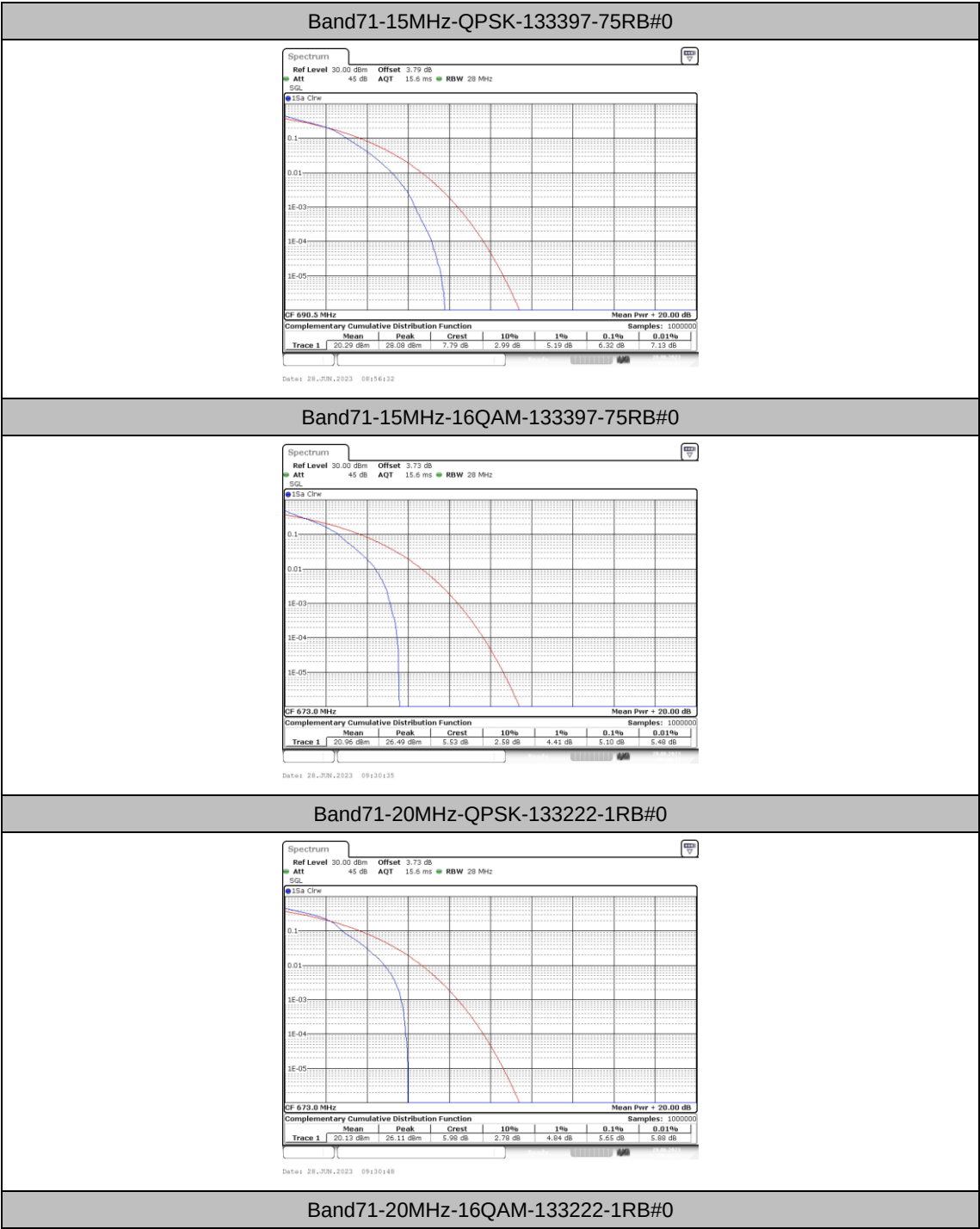


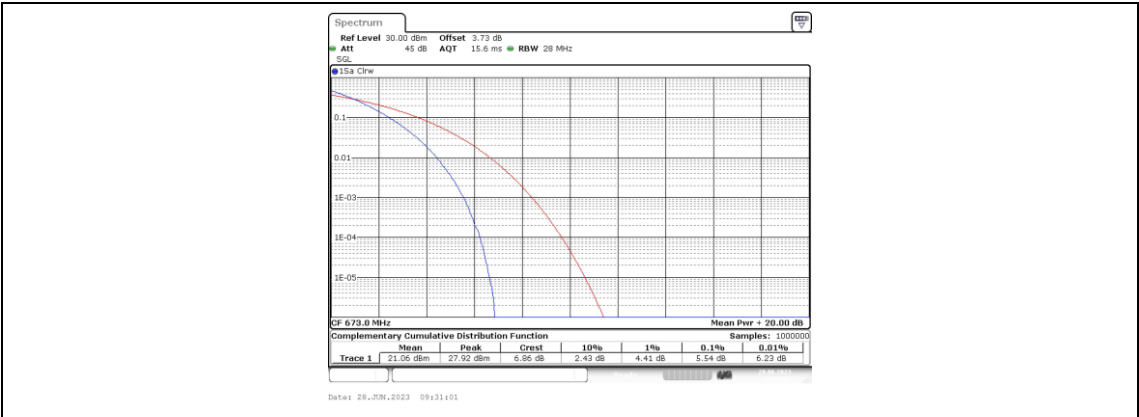
Band71-15MHz-QPSK-133397-1RB#0



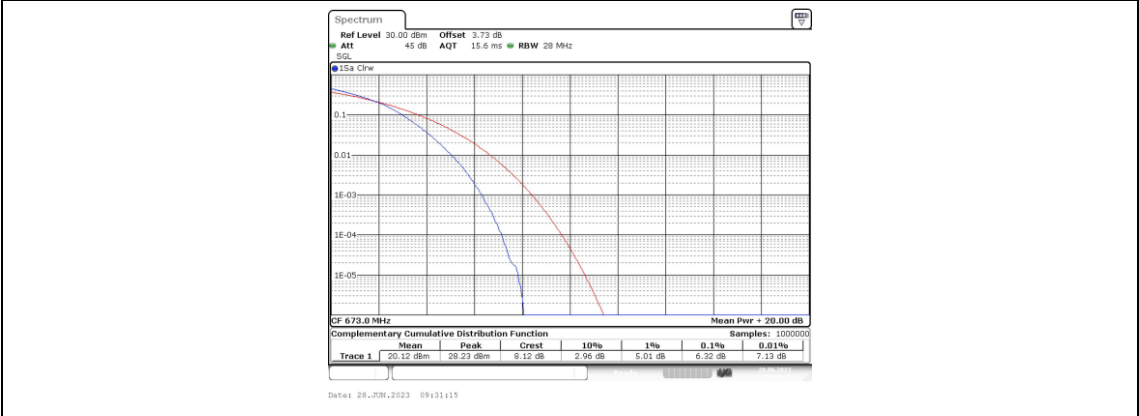
Band71-15MHz-16QAM-133397-1RB#0



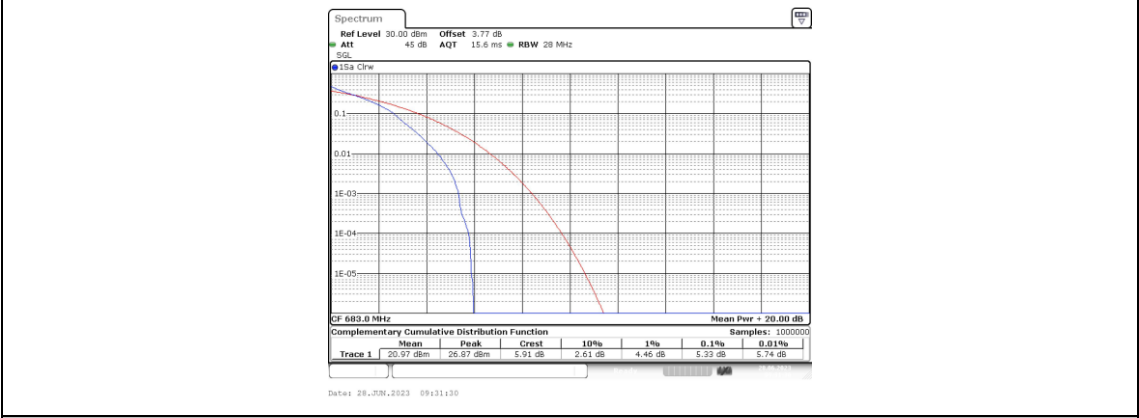




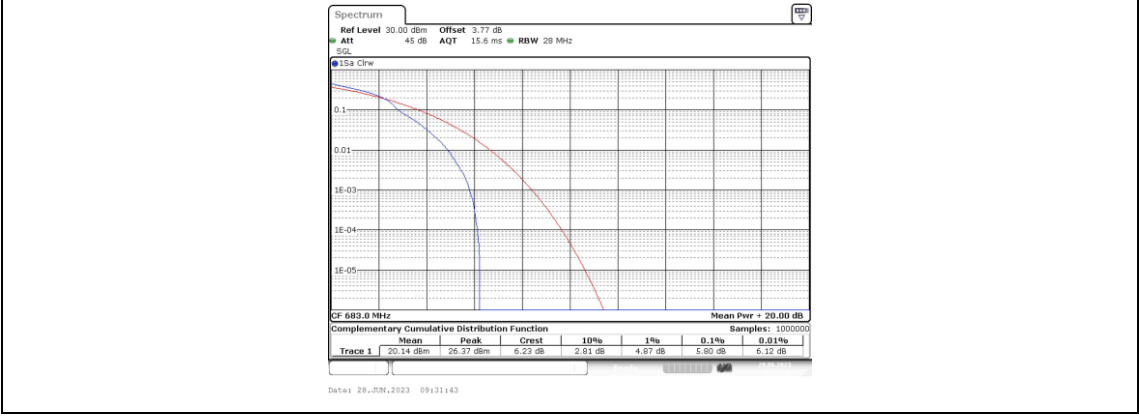
Band71-20MHz-QPSK-133222-100RB#0

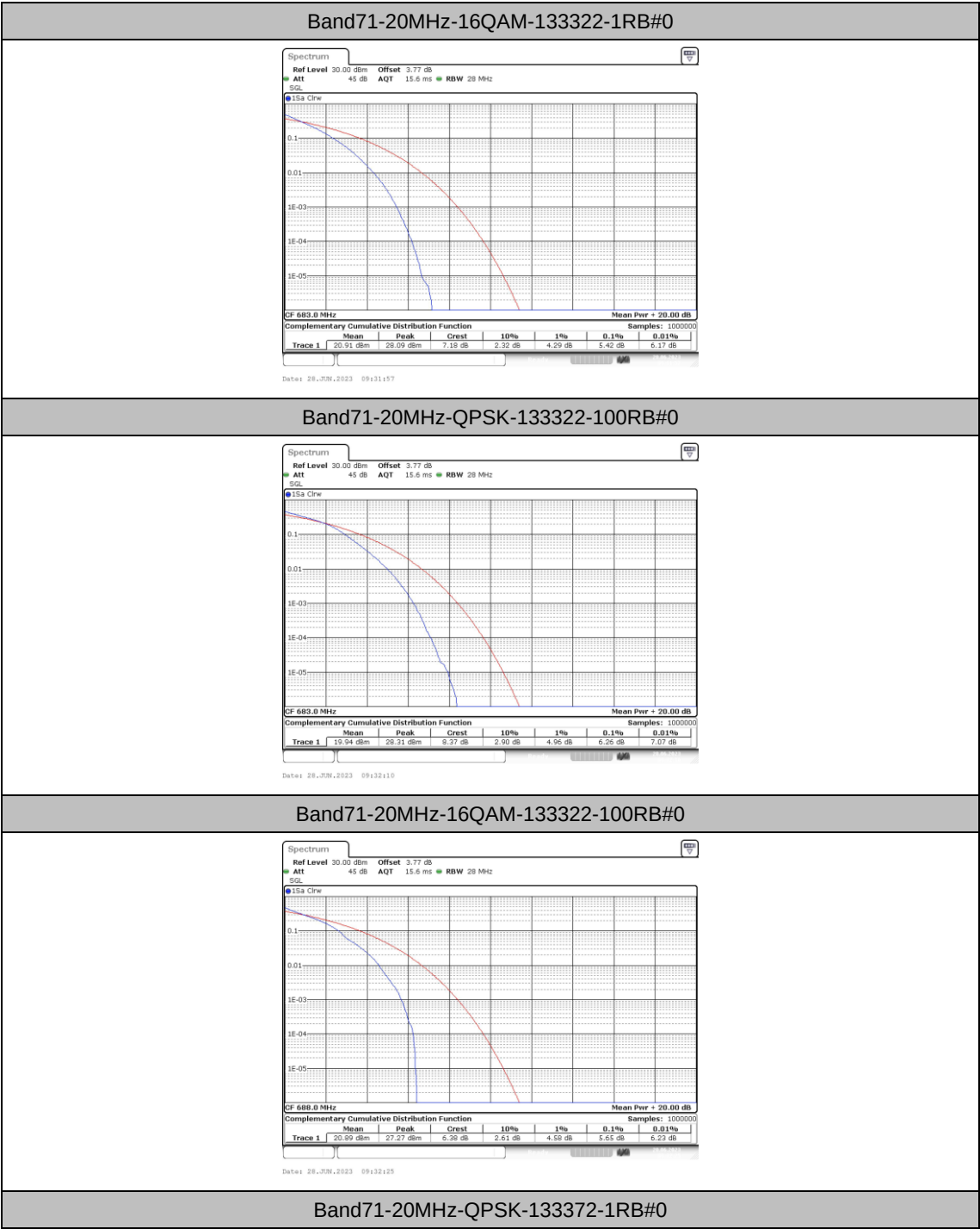


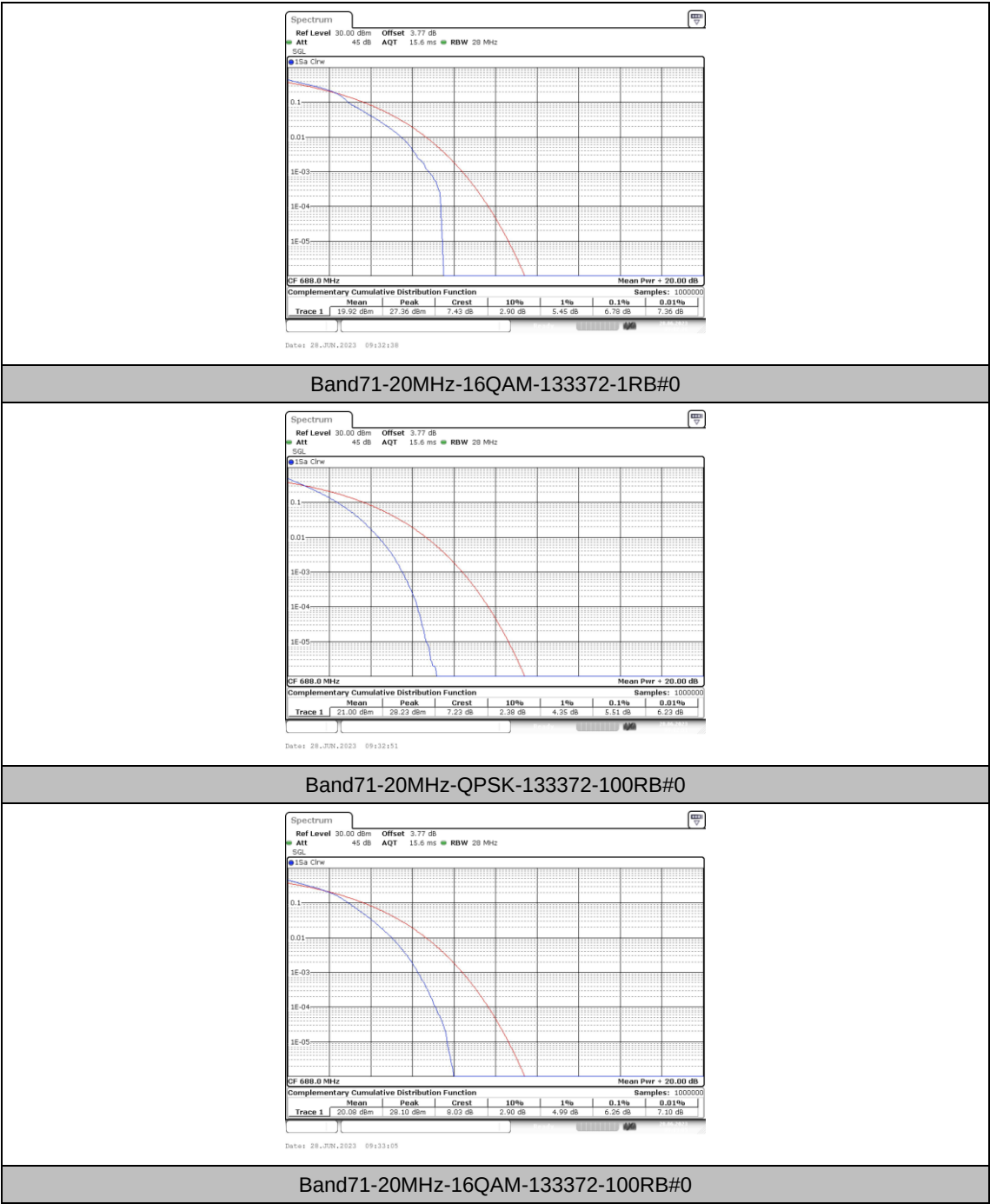
Band71-20MHz-16QAM-133222-100RB#0



Band71-20MHz-QPSK-133322-1RB#0





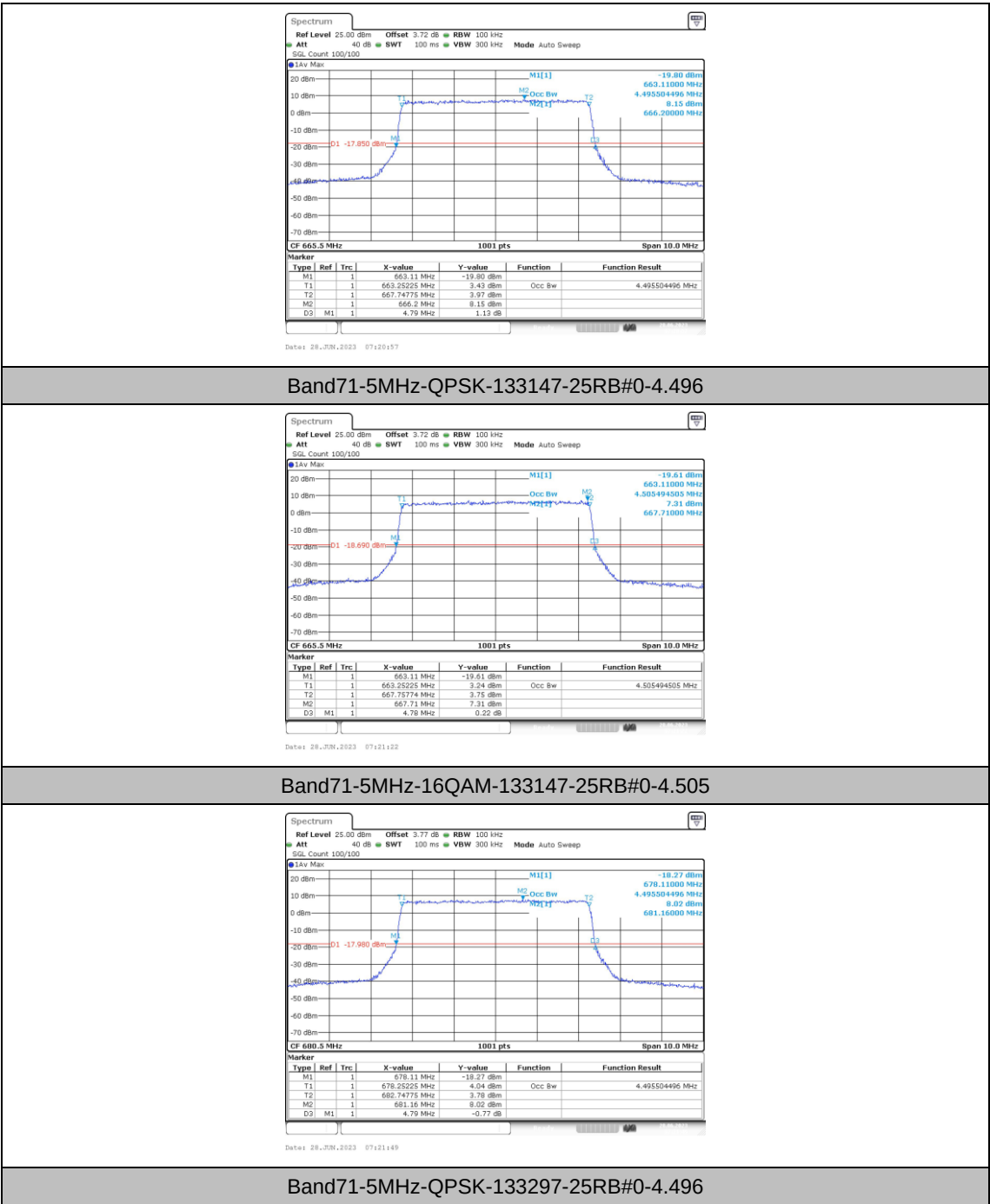


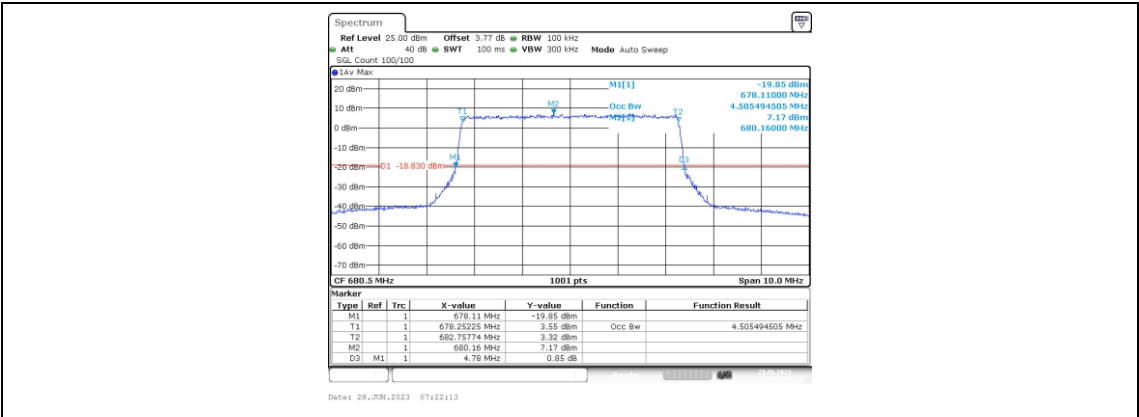
Appendix C: 26dB Bandwidth and Occupied Bandwidth

Test Result

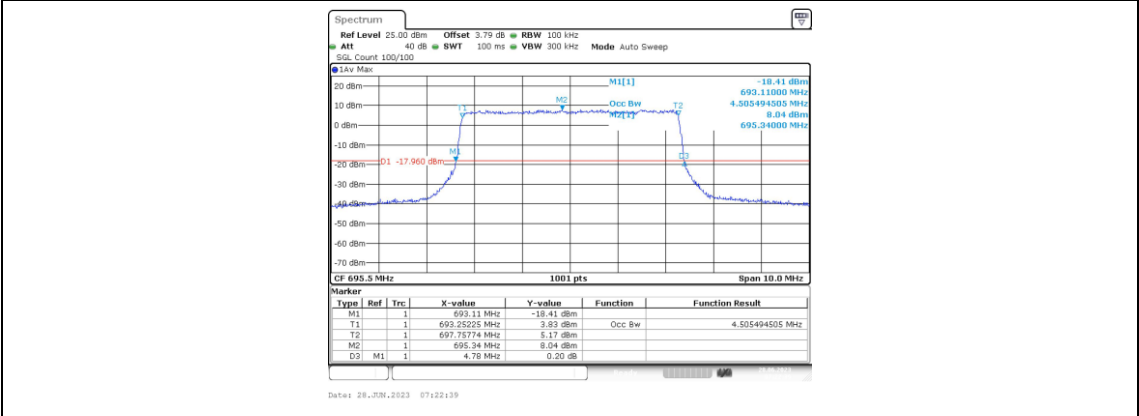
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band71	5MHz	QPSK	133147	25RB#0	4.496	4.79	PASS
Band71	5MHz	16QAM	133147	25RB#0	4.505	4.78	PASS
Band71	5MHz	QPSK	133297	25RB#0	4.496	4.79	PASS
Band71	5MHz	16QAM	133297	25RB#0	4.505	4.78	PASS
Band71	5MHz	QPSK	133447	25RB#0	4.505	4.78	PASS
Band71	5MHz	16QAM	133447	25RB#0	4.496	4.79	PASS
Band71	10MHz	QPSK	133172	50RB#0	8.985	9.53	PASS
Band71	10MHz	16QAM	133172	50RB#0	8.985	9.53	PASS
Band71	10MHz	QPSK	133297	50RB#0	8.985	9.53	PASS
Band71	10MHz	16QAM	133297	50RB#0	8.985	9.53	PASS
Band71	10MHz	QPSK	133422	50RB#0	8.985	9.53	PASS
Band71	10MHz	16QAM	133422	50RB#0	8.985	9.53	PASS
Band71	15MHz	QPSK	133197	75RB#0	13.478	14.30	PASS
Band71	15MHz	16QAM	133197	75RB#0	13.478	14.30	PASS
Band71	15MHz	QPSK	133297	75RB#0	13.478	14.30	PASS
Band71	15MHz	16QAM	133297	75RB#0	13.478	14.30	PASS
Band71	15MHz	QPSK	133397	75RB#0	13.478	14.30	PASS
Band71	15MHz	16QAM	133397	75RB#0	13.478	14.30	PASS
Band71	20MHz	QPSK	133222	100RB#0	18.037	19.33	PASS
Band71	20MHz	16QAM	133222	100RB#0	18.037	19.33	PASS
Band71	20MHz	QPSK	133322	100RB#0	17.97	19.33	PASS
Band71	20MHz	16QAM	133322	100RB#0	17.97	19.33	PASS
Band71	20MHz	QPSK	133372	100RB#0	17.97	19.33	PASS
Band71	20MHz	16QAM	133372	100RB#0	18.037	19.33	PASS

Test Graphs

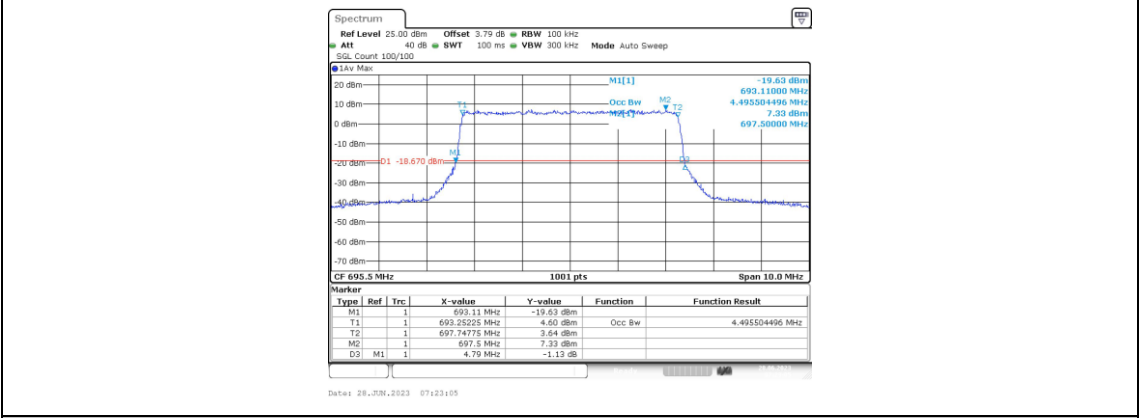




Band71-5MHz-16QAM-133297-25RB#0-4.505



Band71-5MHz-QPSK-133447-25RB#0-4.505



Band71-5MHz-16QAM-133447-25RB#0-4.496

