

Appendix for Band 71

Product Name: Smart Phone

Model No: N3

Appendix A: Average Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band71	5MHz	QPSK	133147	1RB#0	22.02	PASS
Band71	5MHz	QPSK	133147	1RB#12	21.99	PASS
Band71	5MHz	QPSK	133147	1RB#24	22.00	PASS
Band71	5MHz	QPSK	133147	12RB#0	20.81	PASS
Band71	5MHz	QPSK	133147	12RB#6	20.84	PASS
Band71	5MHz	QPSK	133147	12RB#13	20.87	PASS
Band71	5MHz	QPSK	133147	25RB#0	20.85	PASS
Band71	5MHz	QPSK	133297	1RB#0	21.97	PASS
Band71	5MHz	QPSK	133297	1RB#12	21.93	PASS
Band71	5MHz	QPSK	133297	1RB#24	21.92	PASS
Band71	5MHz	QPSK	133297	12RB#0	20.88	PASS
Band71	5MHz	QPSK	133297	12RB#6	20.86	PASS
Band71	5MHz	QPSK	133297	12RB#13	20.77	PASS
Band71	5MHz	QPSK	133297	25RB#0	20.84	PASS
Band71	5MHz	QPSK	133447	1RB#0	21.88	PASS
Band71	5MHz	QPSK	133447	1RB#12	21.80	PASS
Band71	5MHz	QPSK	133447	1RB#24	21.86	PASS
Band71	5MHz	QPSK	133447	12RB#0	20.77	PASS
Band71	5MHz	QPSK	133447	12RB#6	20.79	PASS
Band71	5MHz	QPSK	133447	12RB#13	20.69	PASS
Band71	5MHz	QPSK	133447	25RB#0	20.73	PASS
Band71	5MHz	16QAM	133147	1RB#0	20.92	PASS
Band71	5MHz	16QAM	133147	1RB#12	20.90	PASS
Band71	5MHz	16QAM	133147	1RB#24	20.95	PASS
Band71	5MHz	16QAM	133147	12RB#0	20.80	PASS
Band71	5MHz	16QAM	133147	12RB#6	20.78	PASS
Band71	5MHz	16QAM	133147	12RB#13	20.80	PASS
Band71	5MHz	16QAM	133147	25RB#0	20.87	PASS
Band71	5MHz	16QAM	133297	1RB#0	20.93	PASS
Band71	5MHz	16QAM	133297	1RB#12	20.82	PASS
Band71	5MHz	16QAM	133297	1RB#24	20.84	PASS

Band71	5MHz	16QAM	133297	12RB#0	20.83	PASS
Band71	5MHz	16QAM	133297	12RB#6	20.84	PASS
Band71	5MHz	16QAM	133297	12RB#13	20.73	PASS
Band71	5MHz	16QAM	133297	25RB#0	20.83	PASS
Band71	5MHz	16QAM	133447	1RB#0	21.03	PASS
Band71	5MHz	16QAM	133447	1RB#12	20.97	PASS
Band71	5MHz	16QAM	133447	1RB#24	21.04	PASS
Band71	5MHz	16QAM	133447	12RB#0	20.83	PASS
Band71	5MHz	16QAM	133447	12RB#6	20.84	PASS
Band71	5MHz	16QAM	133447	12RB#13	20.72	PASS
Band71	5MHz	16QAM	133447	25RB#0	20.70	PASS
Band71	10MHz	QPSK	133172	1RB#0	21.78	PASS
Band71	10MHz	QPSK	133172	1RB#24	21.85	PASS
Band71	10MHz	QPSK	133172	1RB#49	21.85	PASS
Band71	10MHz	QPSK	133172	25RB#0	20.83	PASS
Band71	10MHz	QPSK	133172	25RB#12	20.82	PASS
Band71	10MHz	QPSK	133172	25RB#25	20.90	PASS
Band71	10MHz	QPSK	133172	50RB#0	20.85	PASS
Band71	10MHz	QPSK	133297	1RB#0	21.80	PASS
Band71	10MHz	QPSK	133297	1RB#24	21.85	PASS
Band71	10MHz	QPSK	133297	1RB#49	21.81	PASS
Band71	10MHz	QPSK	133297	25RB#0	20.84	PASS
Band71	10MHz	QPSK	133297	25RB#12	20.82	PASS
Band71	10MHz	QPSK	133297	25RB#25	20.85	PASS
Band71	10MHz	QPSK	133297	50RB#0	20.86	PASS
Band71	10MHz	QPSK	133422	1RB#0	21.75	PASS
Band71	10MHz	QPSK	133422	1RB#24	21.75	PASS
Band71	10MHz	QPSK	133422	1RB#49	21.73	PASS
Band71	10MHz	QPSK	133422	25RB#0	20.85	PASS
Band71	10MHz	QPSK	133422	25RB#12	20.84	PASS
Band71	10MHz	QPSK	133422	25RB#25	20.71	PASS
Band71	10MHz	QPSK	133422	50RB#0	20.81	PASS
Band71	10MHz	16QAM	133172	1RB#0	20.99	PASS
Band71	10MHz	16QAM	133172	1RB#24	21.02	PASS
Band71	10MHz	16QAM	133172	1RB#49	21.02	PASS
Band71	10MHz	16QAM	133172	25RB#0	20.84	PASS
Band71	10MHz	16QAM	133172	25RB#12	20.82	PASS

Band71	10MHz	16QAM	133172	25RB#25	20.91	PASS
Band71	10MHz	16QAM	133172	50RB#0	20.86	PASS
Band71	10MHz	16QAM	133297	1RB#0	20.94	PASS
Band71	10MHz	16QAM	133297	1RB#24	20.96	PASS
Band71	10MHz	16QAM	133297	1RB#49	20.94	PASS
Band71	10MHz	16QAM	133297	25RB#0	20.81	PASS
Band71	10MHz	16QAM	133297	25RB#12	20.78	PASS
Band71	10MHz	16QAM	133297	25RB#25	20.81	PASS
Band71	10MHz	16QAM	133297	50RB#0	20.82	PASS
Band71	10MHz	16QAM	133422	1RB#0	20.95	PASS
Band71	10MHz	16QAM	133422	1RB#24	20.92	PASS
Band71	10MHz	16QAM	133422	1RB#49	20.91	PASS
Band71	10MHz	16QAM	133422	25RB#0	20.88	PASS
Band71	10MHz	16QAM	133422	25RB#12	20.89	PASS
Band71	10MHz	16QAM	133422	25RB#25	20.76	PASS
Band71	10MHz	16QAM	133422	50RB#0	20.80	PASS
Band71	15MHz	QPSK	133197	1RB#0	21.73	PASS
Band71	15MHz	QPSK	133197	1RB#38	21.81	PASS
Band71	15MHz	QPSK	133197	1RB#74	21.78	PASS
Band71	15MHz	QPSK	133197	38RB#0	21.06	PASS
Band71	15MHz	QPSK	133197	38RB#18	21.14	PASS
Band71	15MHz	QPSK	133197	38RB#37	21.04	PASS
Band71	15MHz	QPSK	133197	75RB#0	20.84	PASS
Band71	15MHz	QPSK	133297	1RB#0	21.81	PASS
Band71	15MHz	QPSK	133297	1RB#38	21.78	PASS
Band71	15MHz	QPSK	133297	1RB#74	21.66	PASS
Band71	15MHz	QPSK	133297	38RB#0	20.97	PASS
Band71	15MHz	QPSK	133297	38RB#18	20.95	PASS
Band71	15MHz	QPSK	133297	38RB#37	20.89	PASS
Band71	15MHz	QPSK	133297	75RB#0	20.83	PASS
Band71	15MHz	QPSK	133397	1RB#0	21.72	PASS
Band71	15MHz	QPSK	133397	1RB#38	21.72	PASS
Band71	15MHz	QPSK	133397	1RB#74	21.60	PASS
Band71	15MHz	QPSK	133397	38RB#0	21.02	PASS
Band71	15MHz	QPSK	133397	38RB#18	21.01	PASS
Band71	15MHz	QPSK	133397	38RB#37	20.93	PASS
Band71	15MHz	QPSK	133397	75RB#0	20.78	PASS

Band71	15MHz	16QAM	133197	1RB#0	21.07	PASS
Band71	15MHz	16QAM	133197	1RB#38	21.13	PASS
Band71	15MHz	16QAM	133197	1RB#74	21.11	PASS
Band71	15MHz	16QAM	133197	38RB#0	21.06	PASS
Band71	15MHz	16QAM	133197	38RB#18	21.13	PASS
Band71	15MHz	16QAM	133197	38RB#37	21.09	PASS
Band71	15MHz	16QAM	133197	75RB#0	20.84	PASS
Band71	15MHz	16QAM	133297	1RB#0	20.99	PASS
Band71	15MHz	16QAM	133297	1RB#38	20.94	PASS
Band71	15MHz	16QAM	133297	1RB#74	20.88	PASS
Band71	15MHz	16QAM	133297	38RB#0	20.98	PASS
Band71	15MHz	16QAM	133297	38RB#18	20.96	PASS
Band71	15MHz	16QAM	133297	38RB#37	20.90	PASS
Band71	15MHz	16QAM	133297	75RB#0	20.74	PASS
Band71	15MHz	16QAM	133397	1RB#0	20.99	PASS
Band71	15MHz	16QAM	133397	1RB#38	21.00	PASS
Band71	15MHz	16QAM	133397	1RB#74	20.92	PASS
Band71	15MHz	16QAM	133397	38RB#0	21.01	PASS
Band71	15MHz	16QAM	133397	38RB#18	21.00	PASS
Band71	15MHz	16QAM	133397	38RB#37	20.94	PASS
Band71	15MHz	16QAM	133397	75RB#0	20.72	PASS
Band71	20MHz	QPSK	133222	1RB#0	21.83	PASS
Band71	20MHz	QPSK	133222	1RB#49	22.05	PASS
Band71	20MHz	QPSK	133222	1RB#99	21.83	PASS
Band71	20MHz	QPSK	133222	50RB#0	20.82	PASS
Band71	20MHz	QPSK	133222	50RB#25	20.82	PASS
Band71	20MHz	QPSK	133222	50RB#50	20.83	PASS
Band71	20MHz	QPSK	133222	100RB#0	20.83	PASS
Band71	20MHz	QPSK	133322	1RB#0	21.91	PASS
Band71	20MHz	QPSK	133322	1RB#49	21.97	PASS
Band71	20MHz	QPSK	133322	1RB#99	21.86	PASS
Band71	20MHz	QPSK	133322	50RB#0	20.87	PASS
Band71	20MHz	QPSK	133322	50RB#25	20.89	PASS
Band71	20MHz	QPSK	133322	50RB#50	20.80	PASS
Band71	20MHz	QPSK	133322	100RB#0	20.83	PASS
Band71	20MHz	QPSK	133372	1RB#0	21.83	PASS
Band71	20MHz	QPSK	133372	1RB#49	21.80	PASS

Band71	20MHz	QPSK	133372	1RB#99	21.69	PASS
Band71	20MHz	QPSK	133372	50RB#0	20.78	PASS
Band71	20MHz	QPSK	133372	50RB#25	20.79	PASS
Band71	20MHz	QPSK	133372	50RB#50	20.75	PASS
Band71	20MHz	QPSK	133372	100RB#0	20.75	PASS
Band71	20MHz	16QAM	133222	1RB#0	21.04	PASS
Band71	20MHz	16QAM	133222	1RB#49	21.19	PASS
Band71	20MHz	16QAM	133222	1RB#99	21.03	PASS
Band71	20MHz	16QAM	133222	50RB#0	20.83	PASS
Band71	20MHz	16QAM	133222	50RB#25	20.81	PASS
Band71	20MHz	16QAM	133222	50RB#50	20.79	PASS
Band71	20MHz	16QAM	133222	100RB#0	20.79	PASS
Band71	20MHz	16QAM	133322	1RB#0	20.92	PASS
Band71	20MHz	16QAM	133322	1RB#49	20.90	PASS
Band71	20MHz	16QAM	133322	1RB#99	20.79	PASS
Band71	20MHz	16QAM	133322	50RB#0	20.83	PASS
Band71	20MHz	16QAM	133322	50RB#25	20.83	PASS
Band71	20MHz	16QAM	133322	50RB#50	20.76	PASS
Band71	20MHz	16QAM	133322	100RB#0	20.79	PASS
Band71	20MHz	16QAM	133372	1RB#0	21.01	PASS
Band71	20MHz	16QAM	133372	1RB#49	21.00	PASS
Band71	20MHz	16QAM	133372	1RB#99	20.92	PASS
Band71	20MHz	16QAM	133372	50RB#0	20.79	PASS
Band71	20MHz	16QAM	133372	50RB#25	20.79	PASS
Band71	20MHz	16QAM	133372	50RB#50	20.74	PASS
Band71	20MHz	16QAM	133372	100RB#0	20.71	PASS

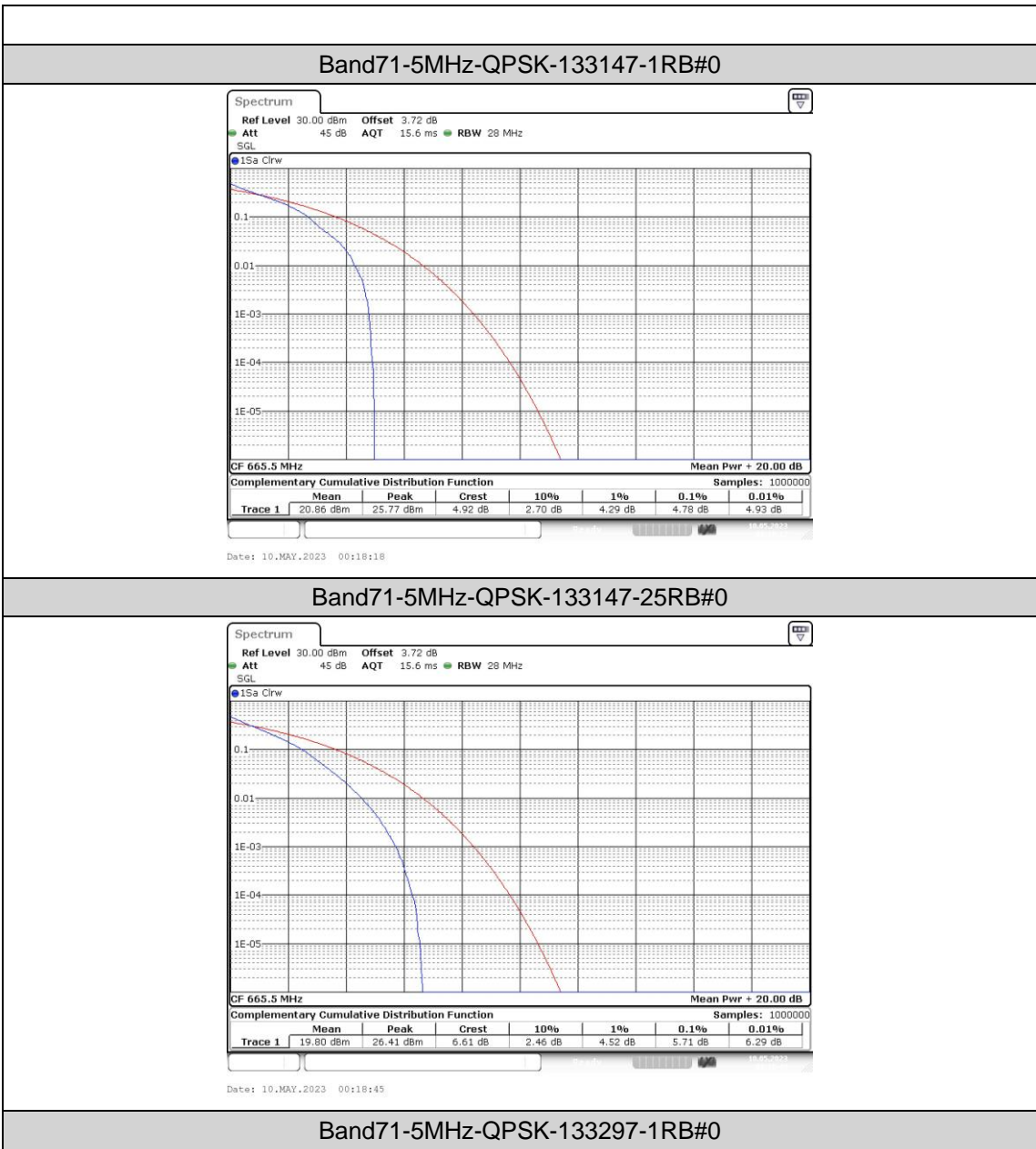
Appendix B: Peak-to-Average Ratio(CCDF)

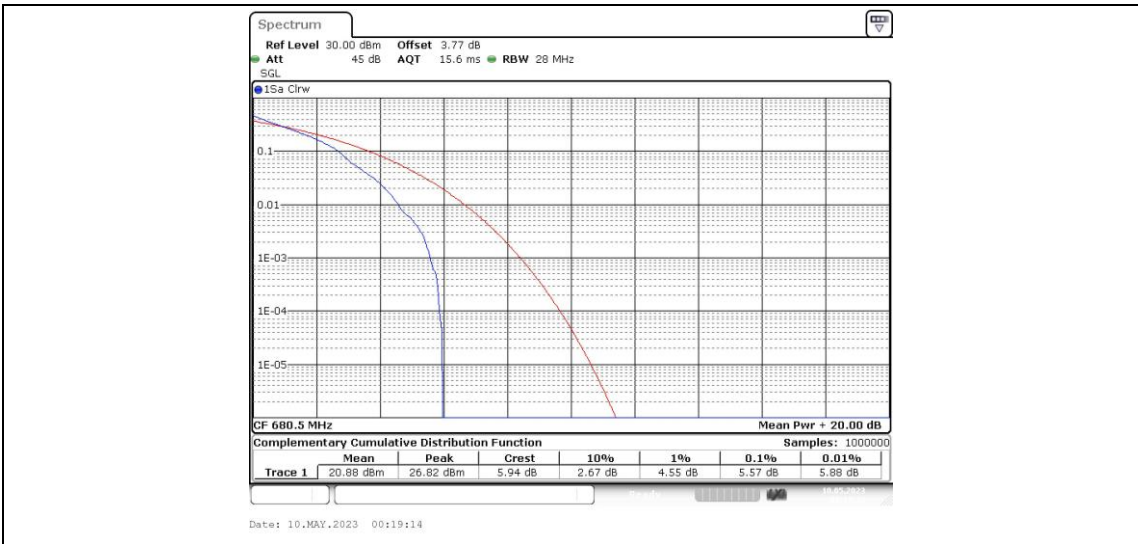
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band71	5MHz	QPSK	133147	1RB#0	4.78	13	PASS
Band71	5MHz	QPSK	133147	25RB#0	5.71	13	PASS
Band71	5MHz	QPSK	133297	1RB#0	5.57	13	PASS
Band71	5MHz	QPSK	133297	25RB#0	5.74	13	PASS
Band71	5MHz	QPSK	133447	1RB#0	5.13	13	PASS
Band71	5MHz	QPSK	133447	25RB#0	5.54	13	PASS
Band71	5MHz	16QAM	133147	1RB#0	5.59	13	PASS
Band71	5MHz	16QAM	133147	25RB#0	6.41	13	PASS
Band71	5MHz	16QAM	133297	1RB#0	6.14	13	PASS
Band71	5MHz	16QAM	133297	25RB#0	6.41	13	PASS
Band71	5MHz	16QAM	133447	1RB#0	5.86	13	PASS
Band71	5MHz	16QAM	133447	25RB#0	6.26	13	PASS
Band71	10MHz	QPSK	133172	1RB#0	4.78	13	PASS
Band71	10MHz	QPSK	133172	50RB#0	5.65	13	PASS
Band71	10MHz	QPSK	133297	1RB#0	5.33	13	PASS
Band71	10MHz	QPSK	133297	50RB#0	5.65	13	PASS
Band71	10MHz	QPSK	133422	1RB#0	5.07	13	PASS
Band71	10MHz	QPSK	133422	50RB#0	5.48	13	PASS
Band71	10MHz	16QAM	133172	1RB#0	5.65	13	PASS
Band71	10MHz	16QAM	133172	50RB#0	6.43	13	PASS
Band71	10MHz	16QAM	133297	1RB#0	6.14	13	PASS
Band71	10MHz	16QAM	133297	50RB#0	6.41	13	PASS
Band71	10MHz	16QAM	133422	1RB#0	5.65	13	PASS
Band71	10MHz	16QAM	133422	50RB#0	6.32	13	PASS
Band71	15MHz	QPSK	133197	1RB#0	4.93	13	PASS
Band71	15MHz	QPSK	133197	75RB#0	5.94	13	PASS
Band71	15MHz	QPSK	133297	1RB#0	5.22	13	PASS
Band71	15MHz	QPSK	133297	75RB#0	5.91	13	PASS
Band71	15MHz	QPSK	133397	1RB#0	5.42	13	PASS
Band71	15MHz	QPSK	133397	75RB#0	5.77	13	PASS
Band71	15MHz	16QAM	133197	1RB#0	5.74	13	PASS
Band71	15MHz	16QAM	133197	75RB#0	6.49	13	PASS
Band71	15MHz	16QAM	133297	1RB#0	6.03	13	PASS
Band71	15MHz	16QAM	133297	75RB#0	6.46	13	PASS
Band71	15MHz	16QAM	133397	1RB#0	5.97	13	PASS
Band71	15MHz	16QAM	133397	75RB#0	6.32	13	PASS

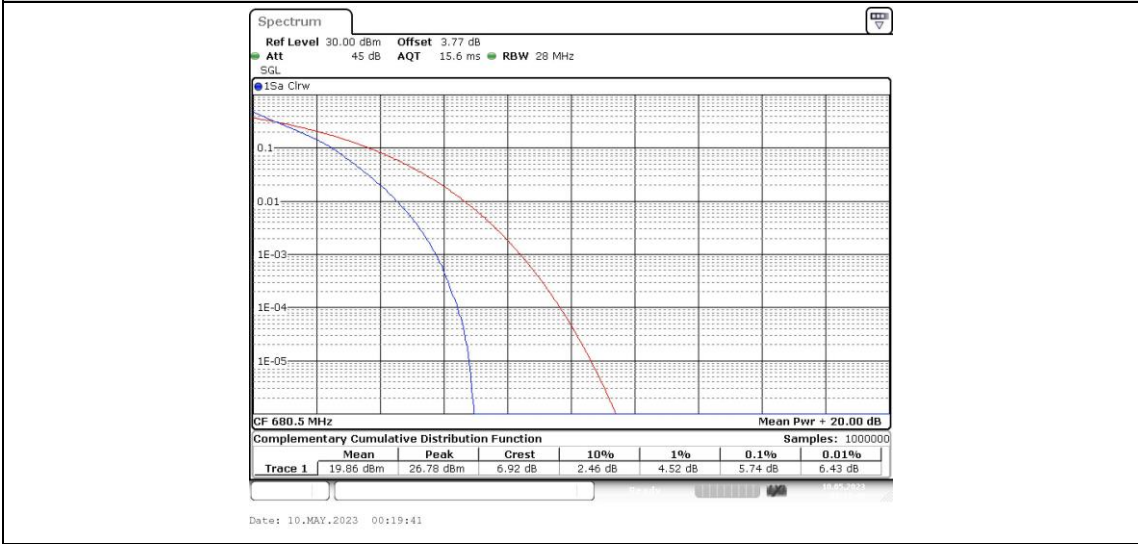
Band71	20MHz	QPSK	133222	1RB#0	4.93	13	PASS
Band71	20MHz	QPSK	133222	100RB#0	5.54	13	PASS
Band71	20MHz	QPSK	133322	1RB#0	5.13	13	PASS
Band71	20MHz	QPSK	133322	100RB#0	5.48	13	PASS
Band71	20MHz	QPSK	133372	1RB#0	5.51	13	PASS
Band71	20MHz	QPSK	133372	100RB#0	5.48	13	PASS
Band71	20MHz	16QAM	133222	1RB#0	5.59	13	PASS
Band71	20MHz	16QAM	133222	100RB#0	6.38	13	PASS
Band71	20MHz	16QAM	133322	1RB#0	5.71	13	PASS
Band71	20MHz	16QAM	133322	100RB#0	6.35	13	PASS
Band71	20MHz	16QAM	133372	1RB#0	6.49	13	PASS
Band71	20MHz	16QAM	133372	100RB#0	6.29	13	PASS

Test Graphs

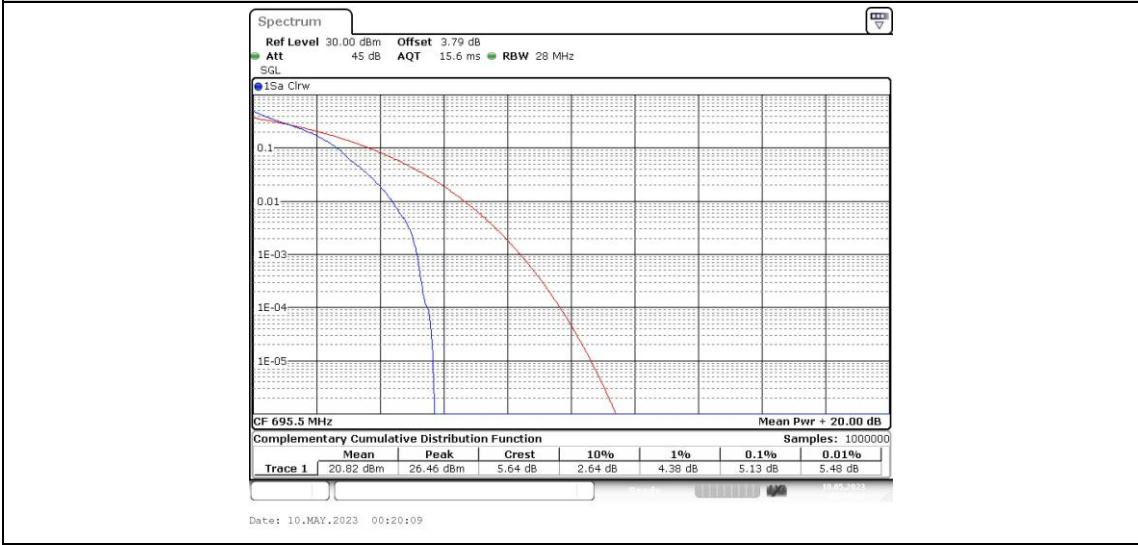




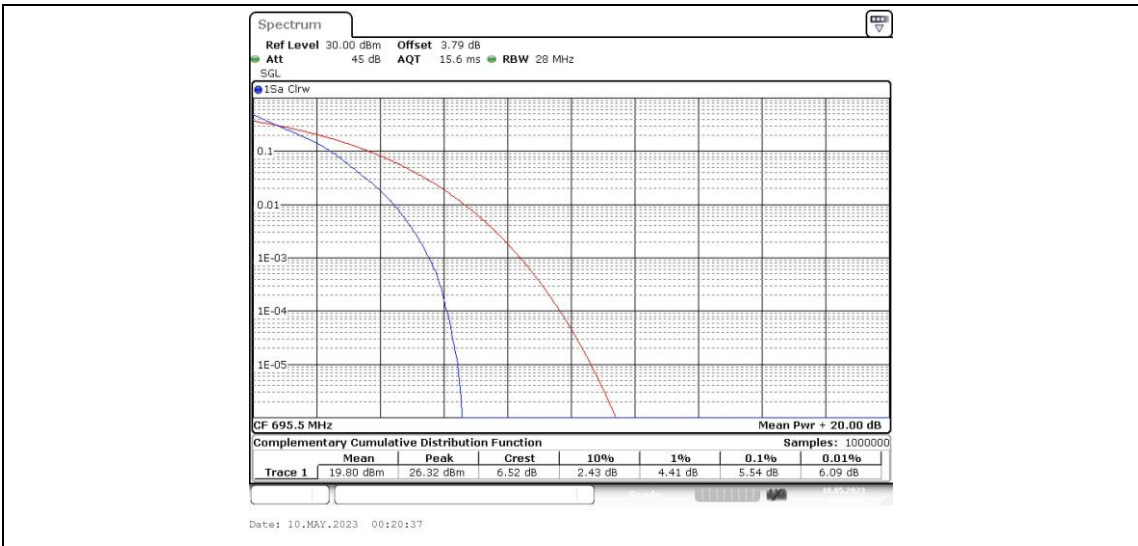
Band71-5MHz-QPSK-133297-25RB#0



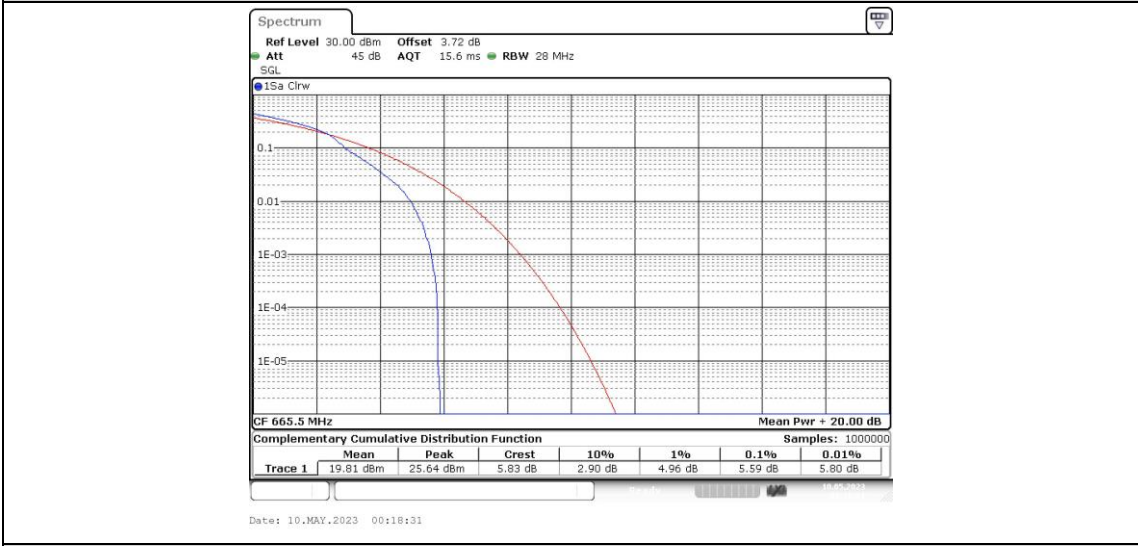
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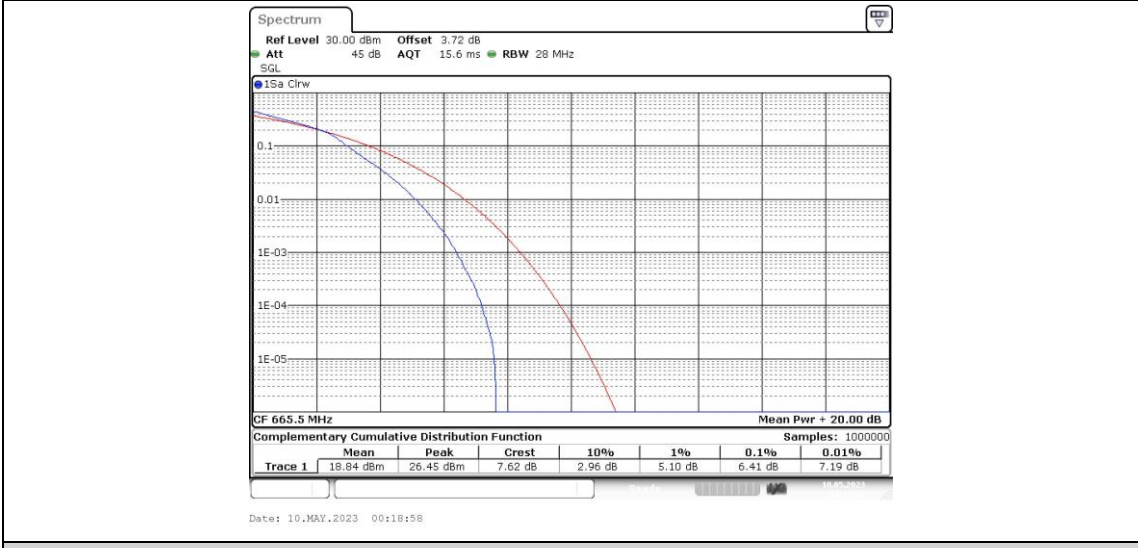
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Band71-5MHz-16QAM-133297-1RB#0



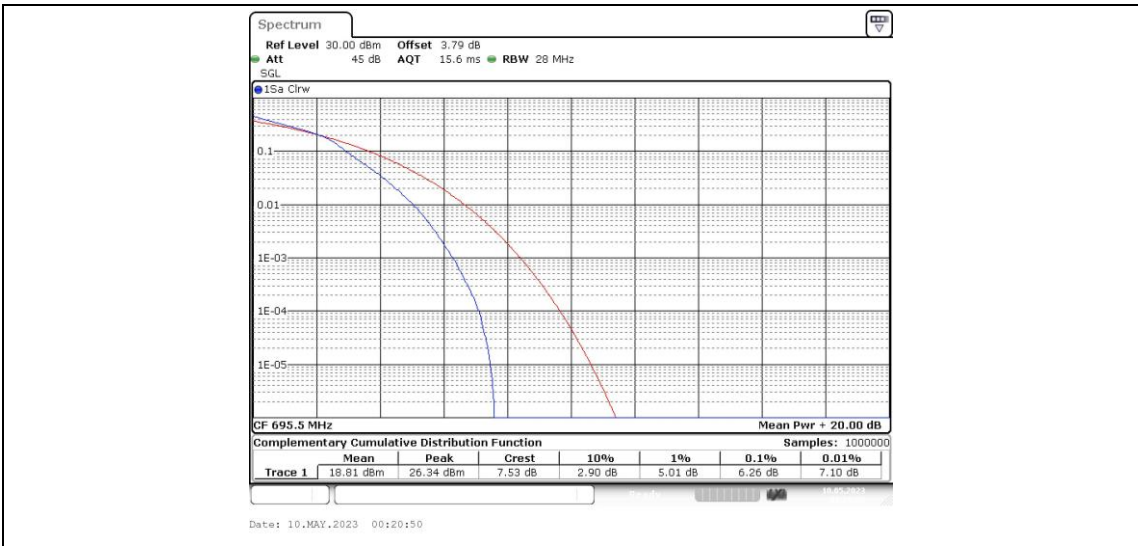
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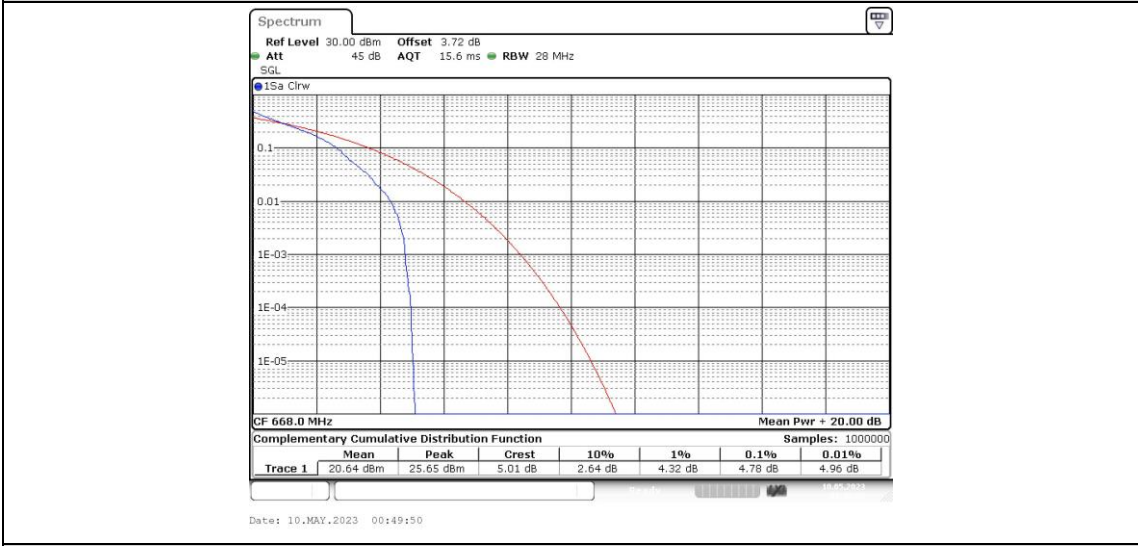
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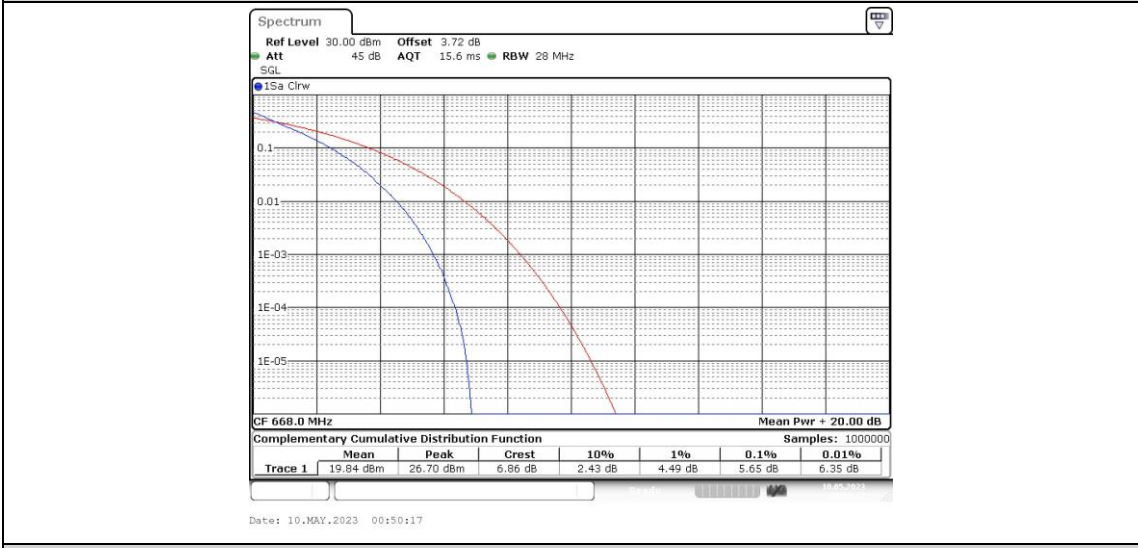
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Band71-10MHz-QPSK-133172-1RB#0



Band71-10MHz-QPSK-133172-50RB#0



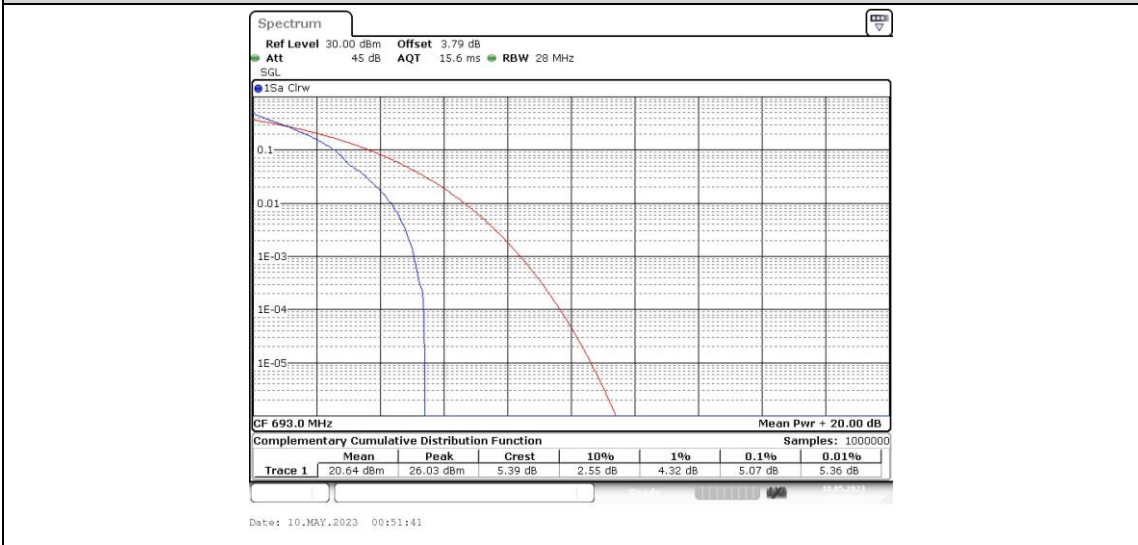
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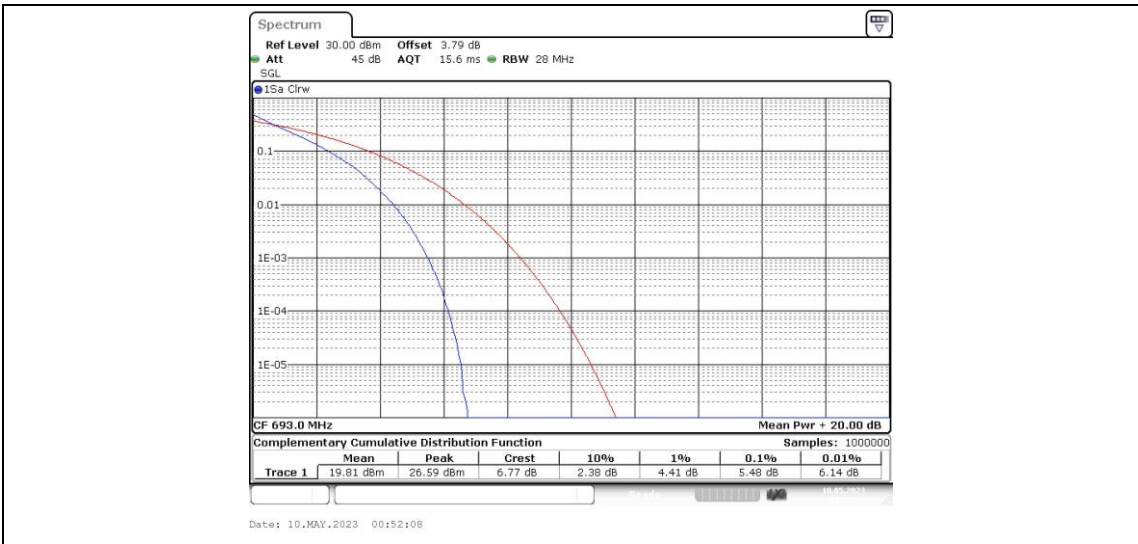
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Band71-10MHz-QPSK-133422-1RB#0



Band71-10MHz-QPSK-133422-50RB#0



Band71-10MHz-16QAM-133172-1RB#0



Band71-10MHz-16QAM-133172-50RB#0



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



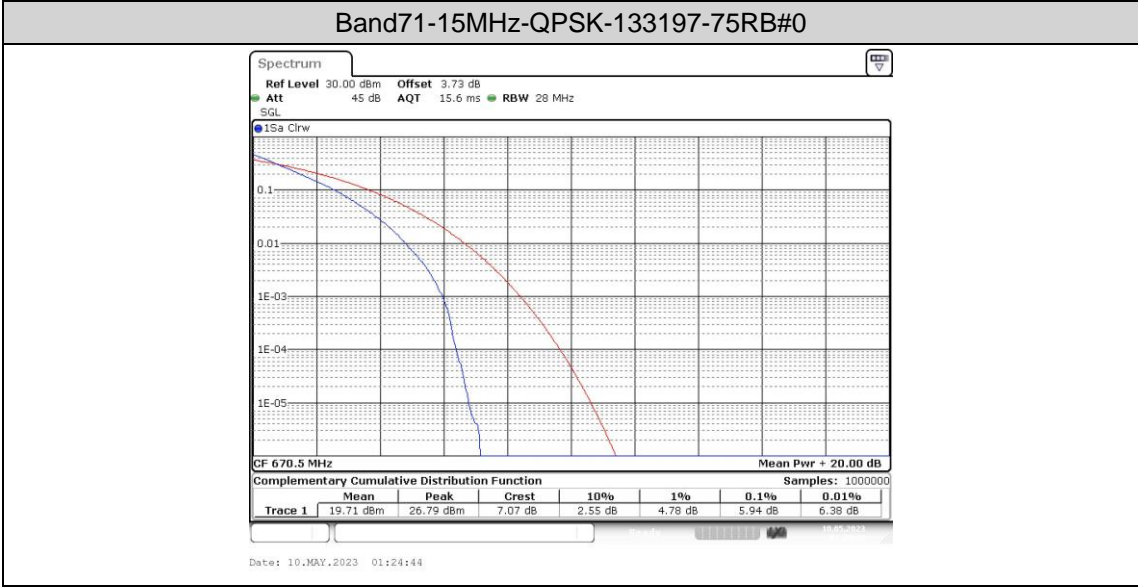
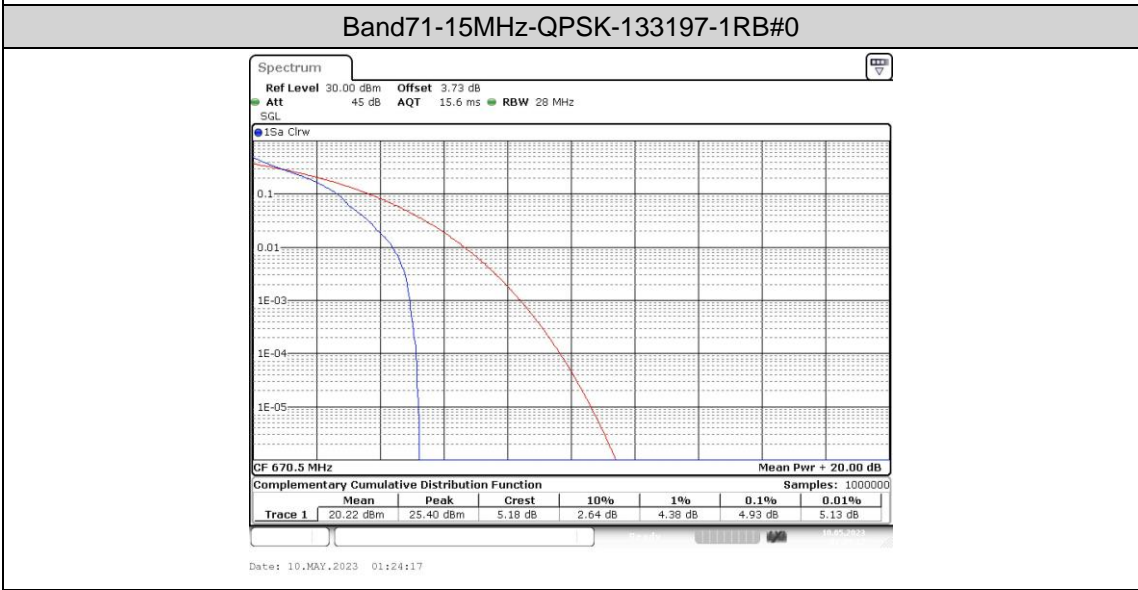
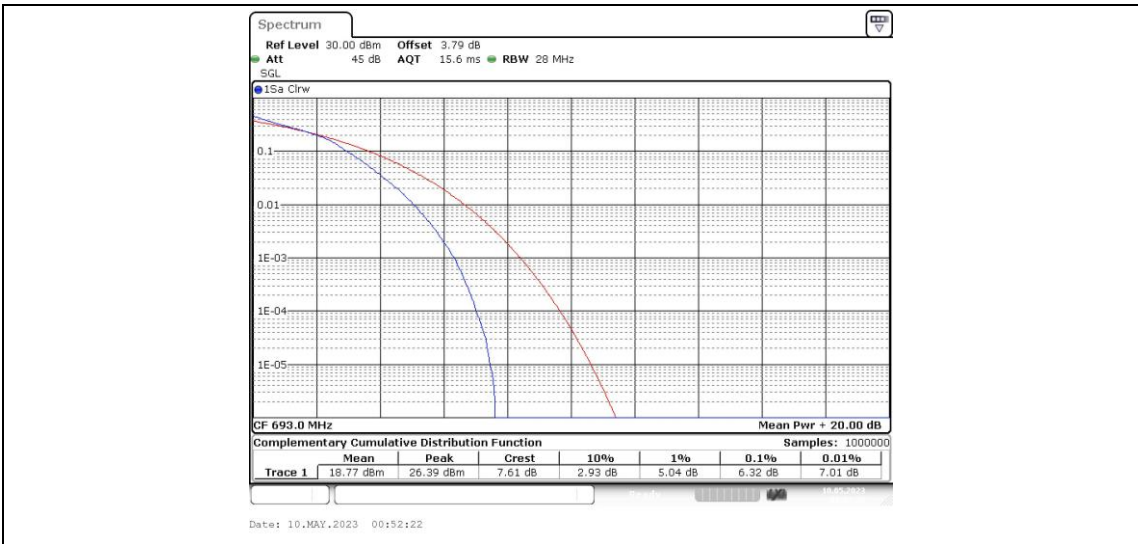
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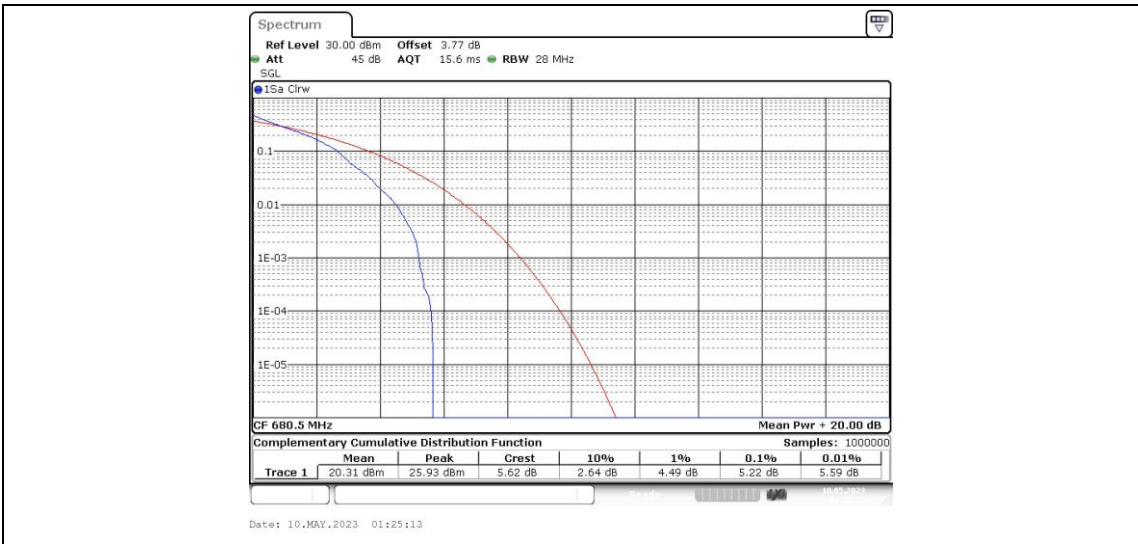


Band71-10MHz-16QAM-133422-1RB#0



Band71-10MHz-16QAM-133422-50RB#0

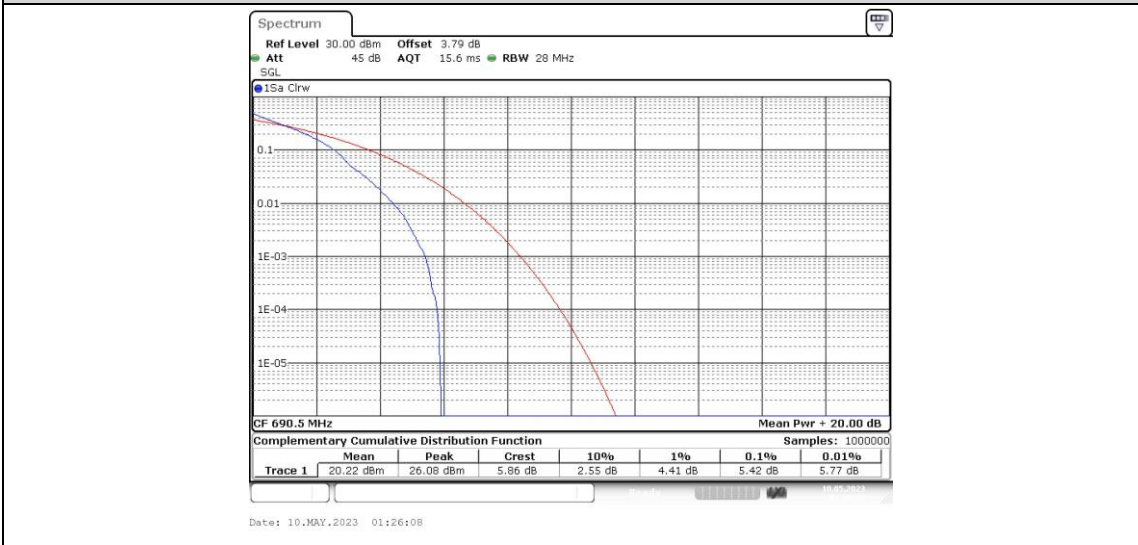




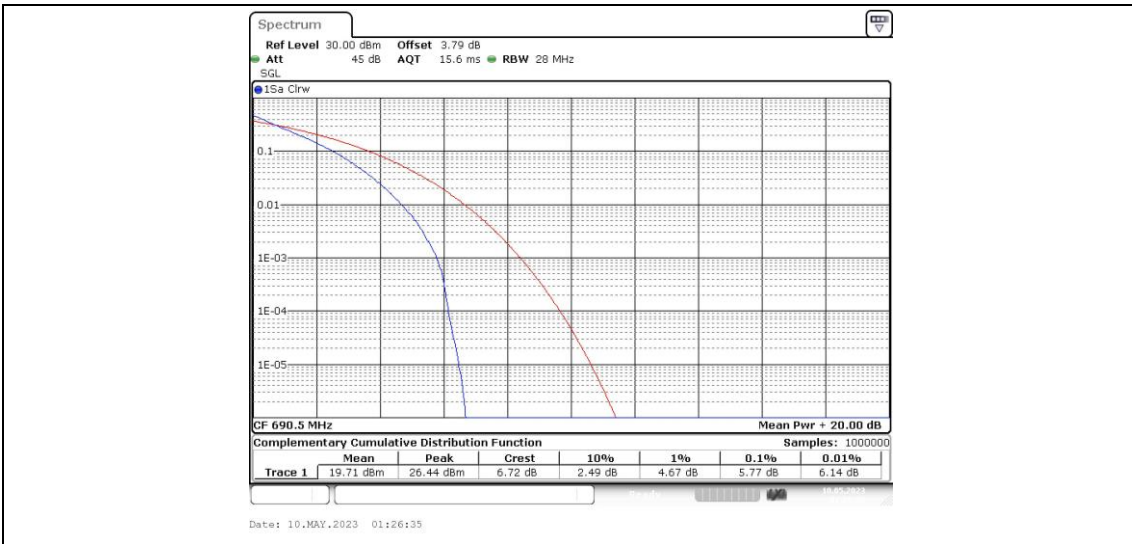
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Band71-15MHz-QPSK-133397-1RB#0



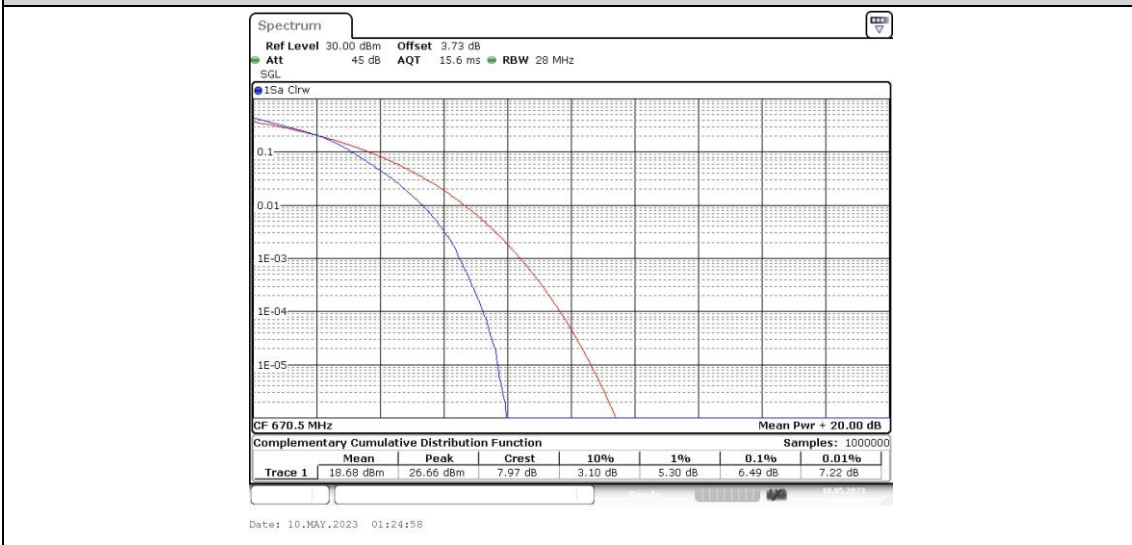
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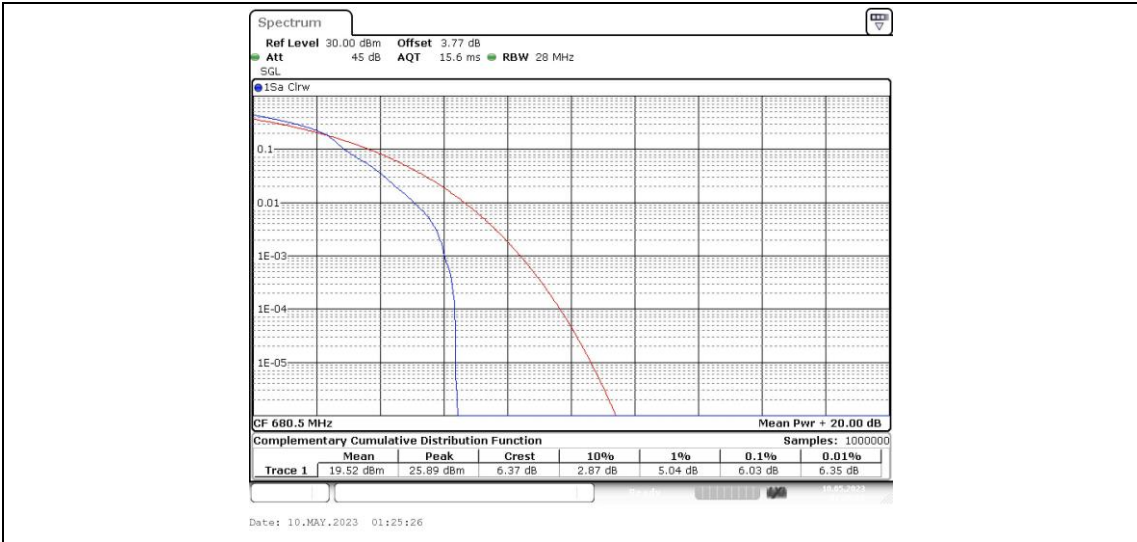
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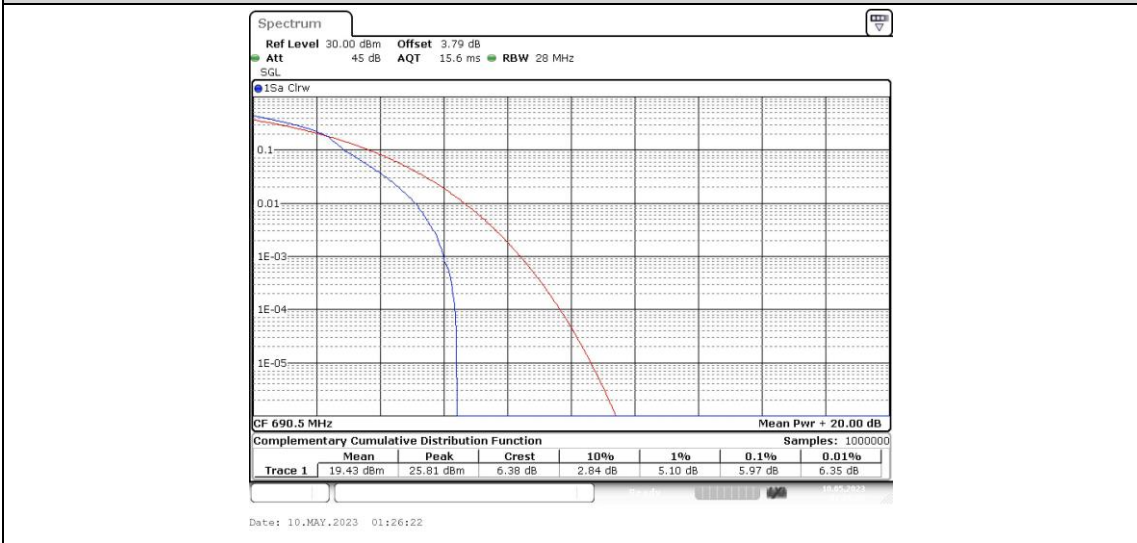
Band71-15MHz-16QAM-133297-1RB#0



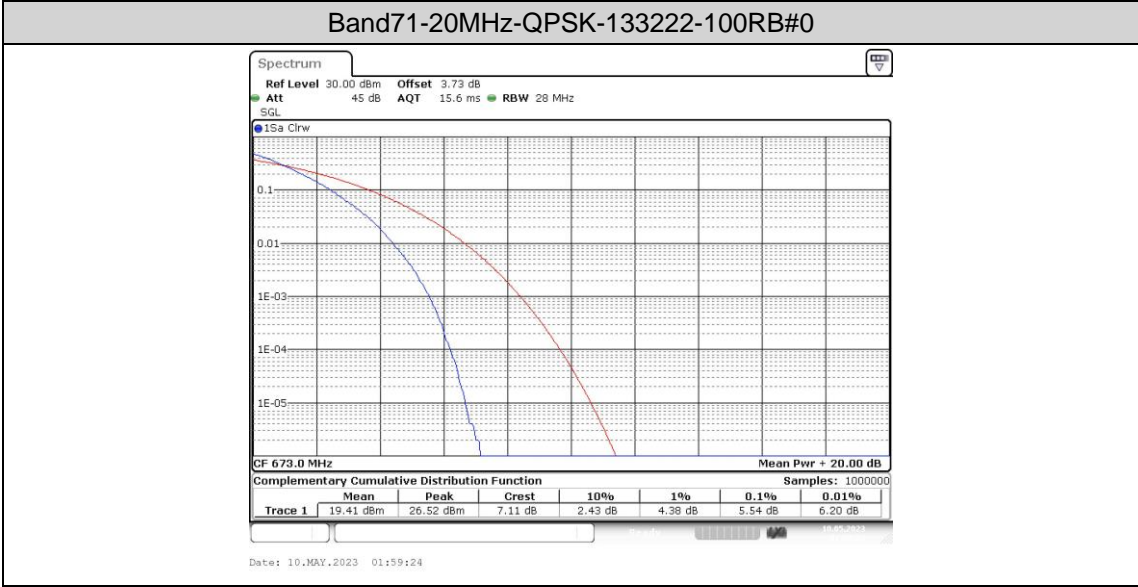
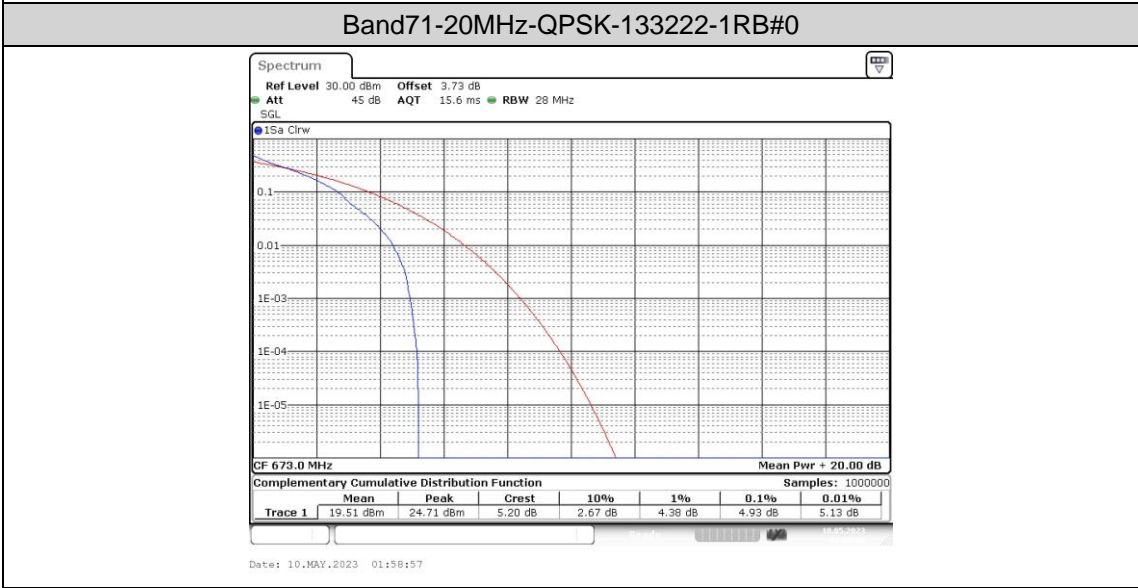
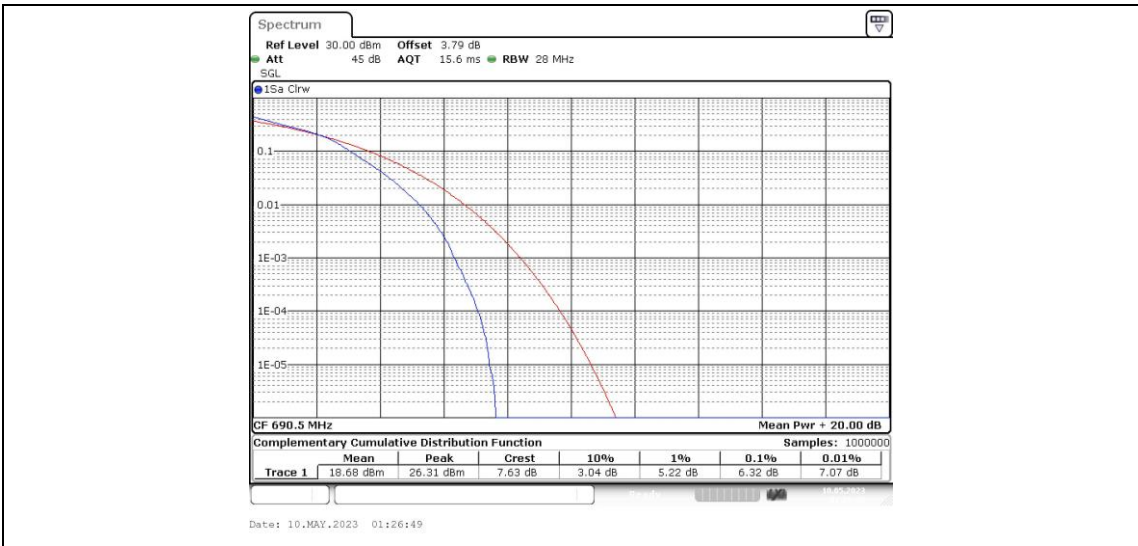
Band71-15MHz-16QAM-133297-75RB#0

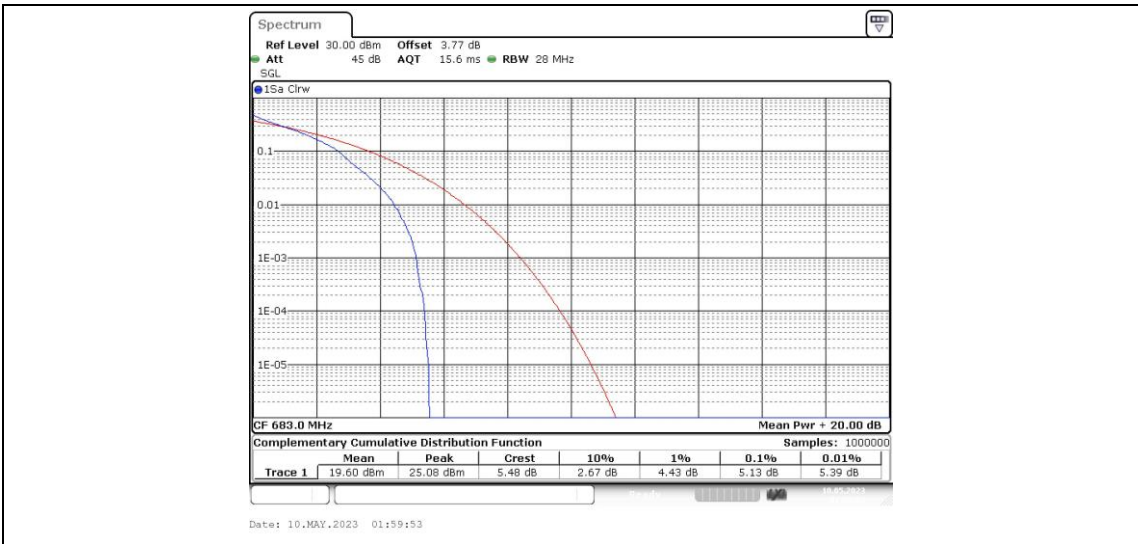


Band71-15MHz-16QAM-133397-1RB#0



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

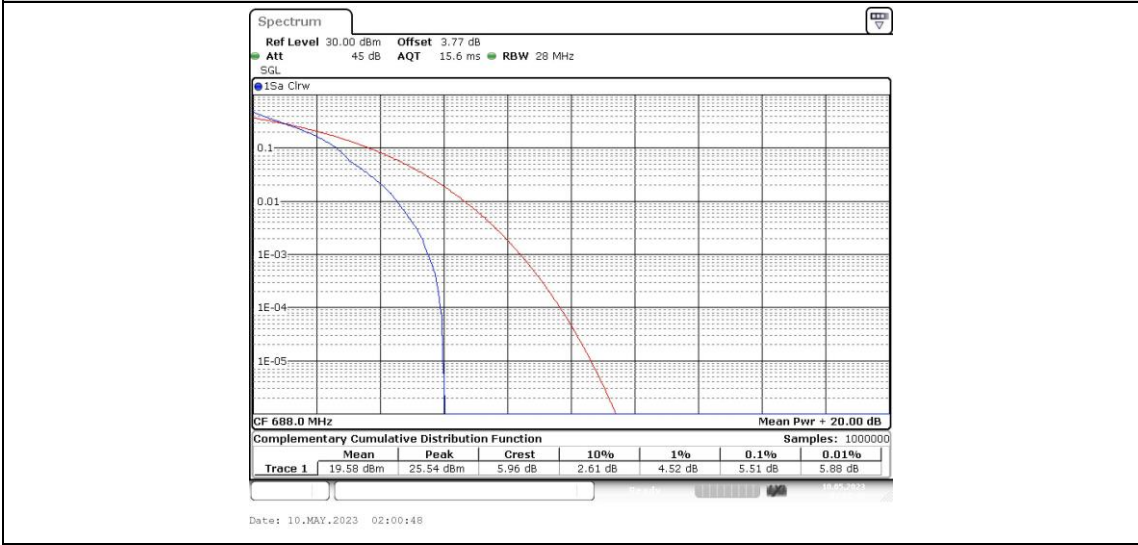




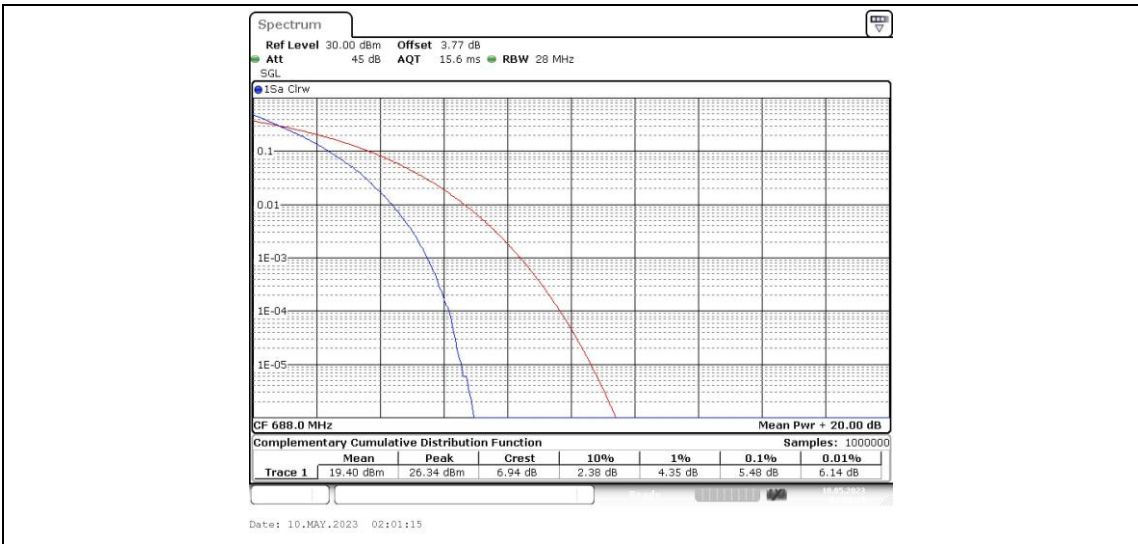
Band71-20MHz-QPSK-133322-100RB#0



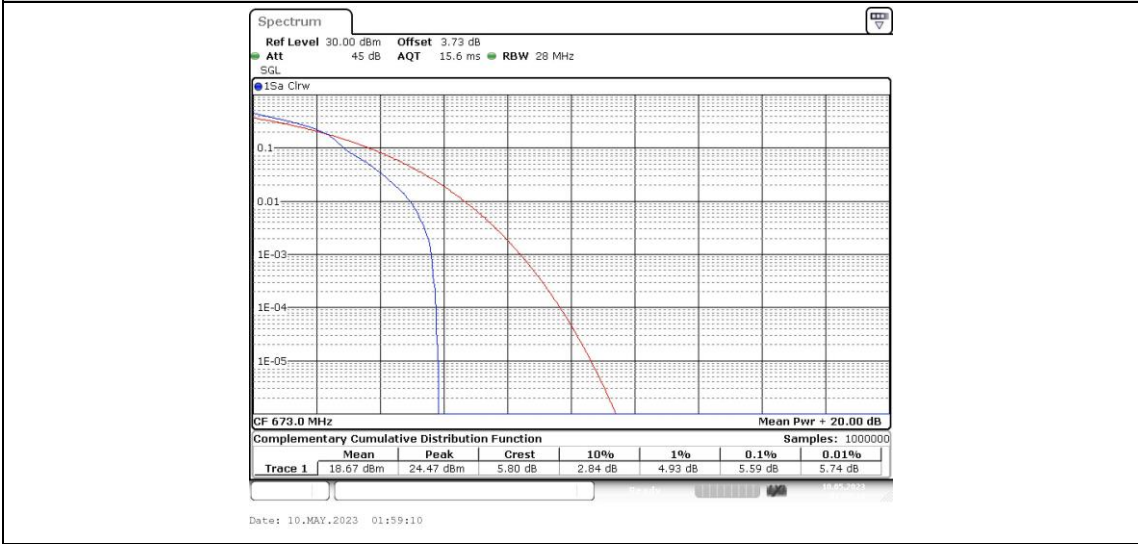
Band71-20MHz-QPSK-133372-1RB#0



Band71-20MHz-QPSK-133372-100RB#0



Band71-20MHz-16QAM-133222-1RB#0



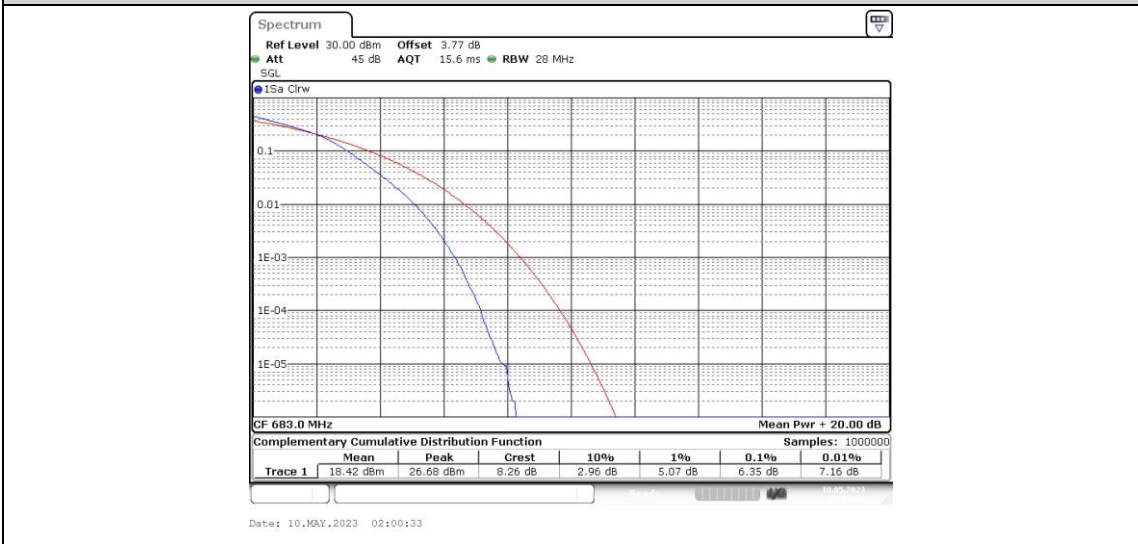
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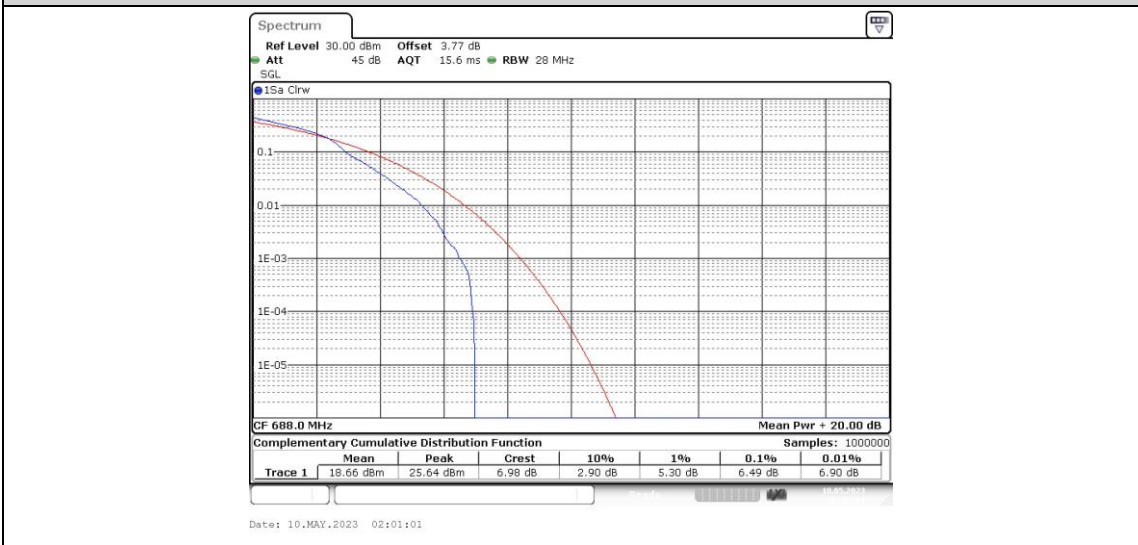
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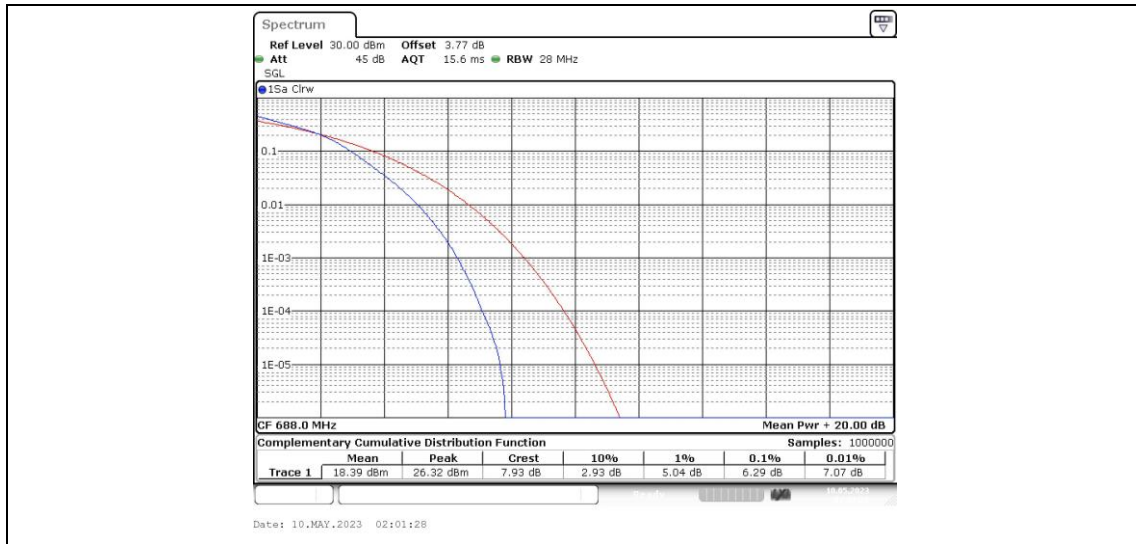
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Band71-20MHz-16QAM-133372-1RB#0



Band71-20MHz-16QAM-133372-100RB#0

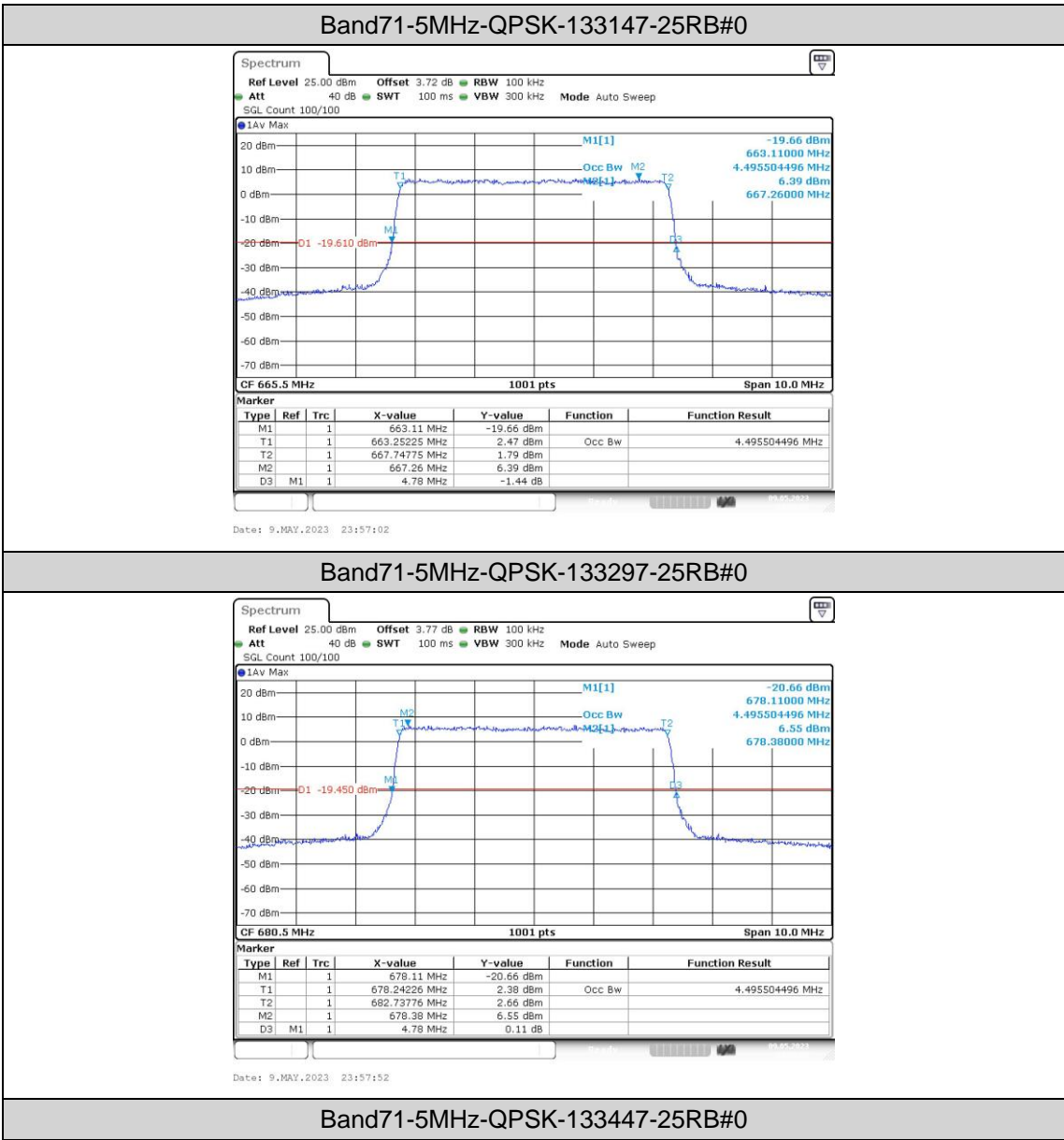


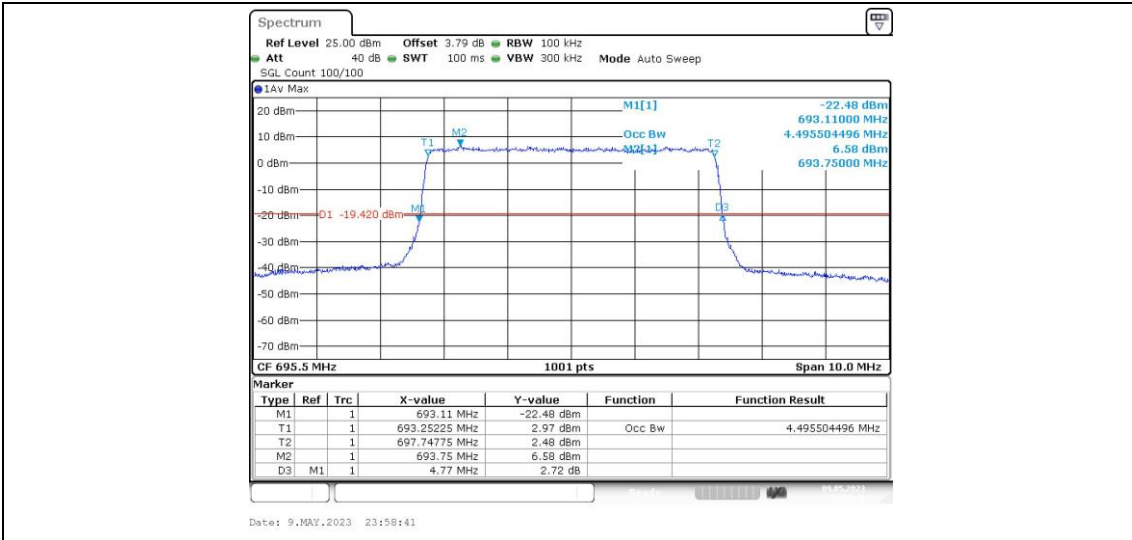
Appendix C: 26dB Bandwidth and Occupied Bandwidth

Test Result

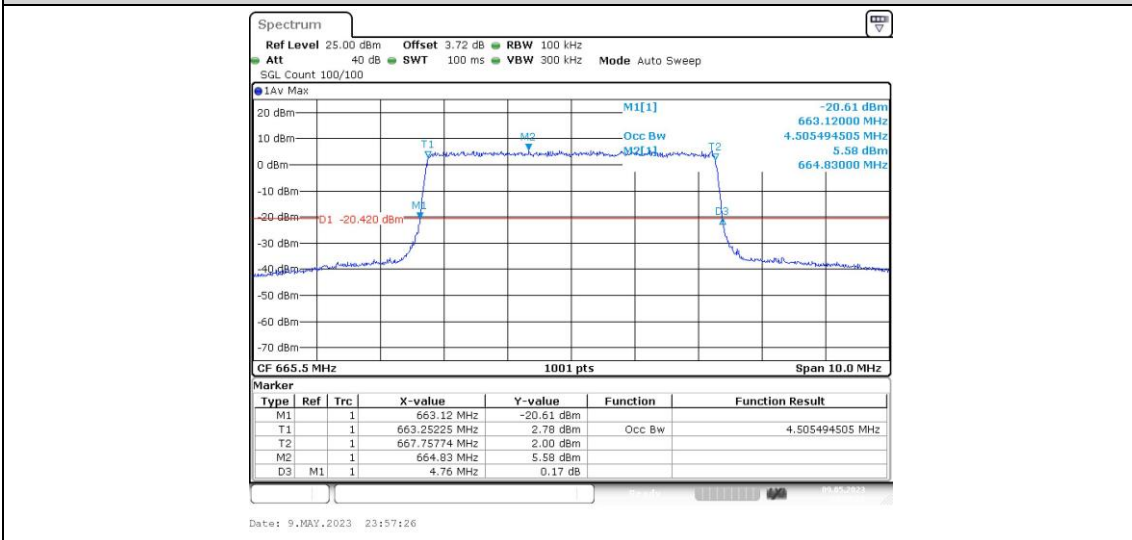
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band71	5MHz	QPSK	133147	25RB#0	4.496	4.78	PASS
Band71	5MHz	QPSK	133297	25RB#0	4.496	4.78	PASS
Band71	5MHz	QPSK	133447	25RB#0	4.496	4.77	PASS
Band71	5MHz	16QAM	133147	25RB#0	4.505	4.76	PASS
Band71	5MHz	16QAM	133297	25RB#0	4.515	4.77	PASS
Band71	5MHz	16QAM	133447	25RB#0	4.505	4.78	PASS
Band71	10MHz	QPSK	133172	50RB#0	8.985	9.57	PASS
Band71	10MHz	QPSK	133297	50RB#0	8.985	9.53	PASS
Band71	10MHz	QPSK	133422	50RB#0	8.985	9.57	PASS
Band71	10MHz	16QAM	133172	50RB#0	8.985	9.53	PASS
Band71	10MHz	16QAM	133297	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	QPSK	133297	75RB#0	13.478	14.30	PASS
Band71	15MHz	QPSK	133397	75RB#0	13.478	14.30	PASS
Band71	15MHz	16QAM	133197	75RB#0	13.478	14.30	PASS
Band71	15MHz	16QAM	133297	75RB#0	13.478	14.30	PASS
Band71	15MHz	16QAM	133397	75RB#0	13.478	14.30	PASS
Band71	20MHz	QPSK	133222	100RB#0	17.97	19.33	PASS
Band71	20MHz	QPSK	133322	100RB#0	17.97	19.33	PASS
Band71	20MHz	QPSK	133372	100RB#0	17.97	19.33	PASS
Band71	20MHz	16QAM	133222	100RB#0	17.97	19.33	PASS
Band71	20MHz	16QAM	133322	100RB#0	18.037	19.33	PASS
Band71	20MHz	16QAM	133372	100RB#0	18.037	19.33	PASS

Test Graphs

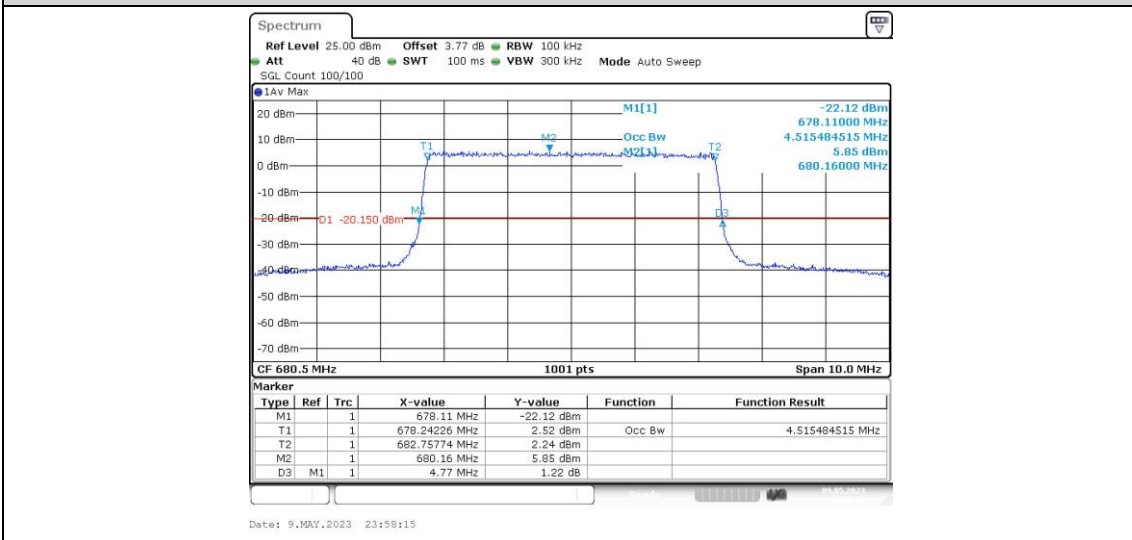




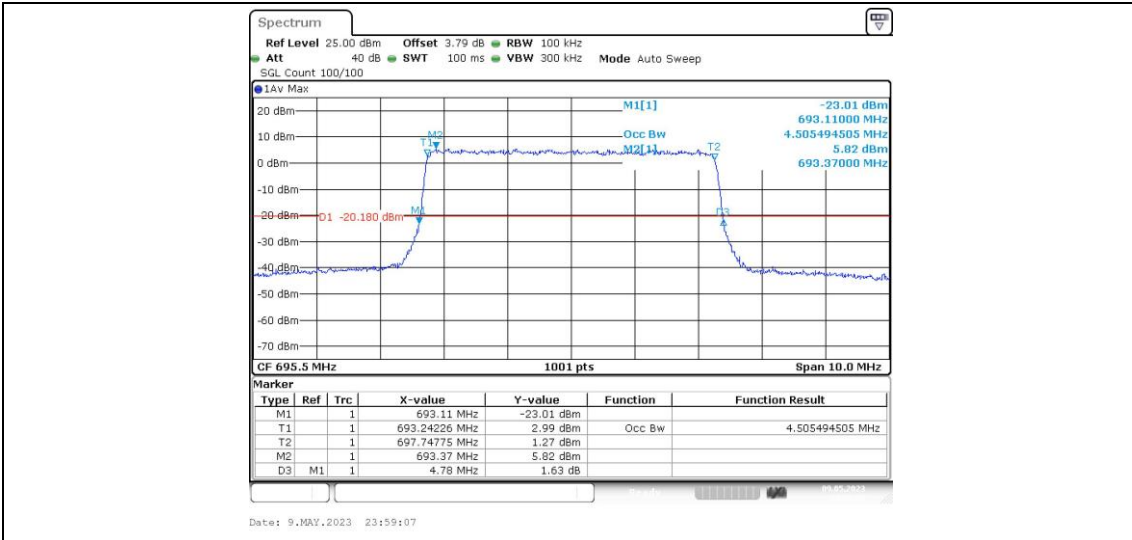
Band71-5MHz-16QAM-133147-25RB#0



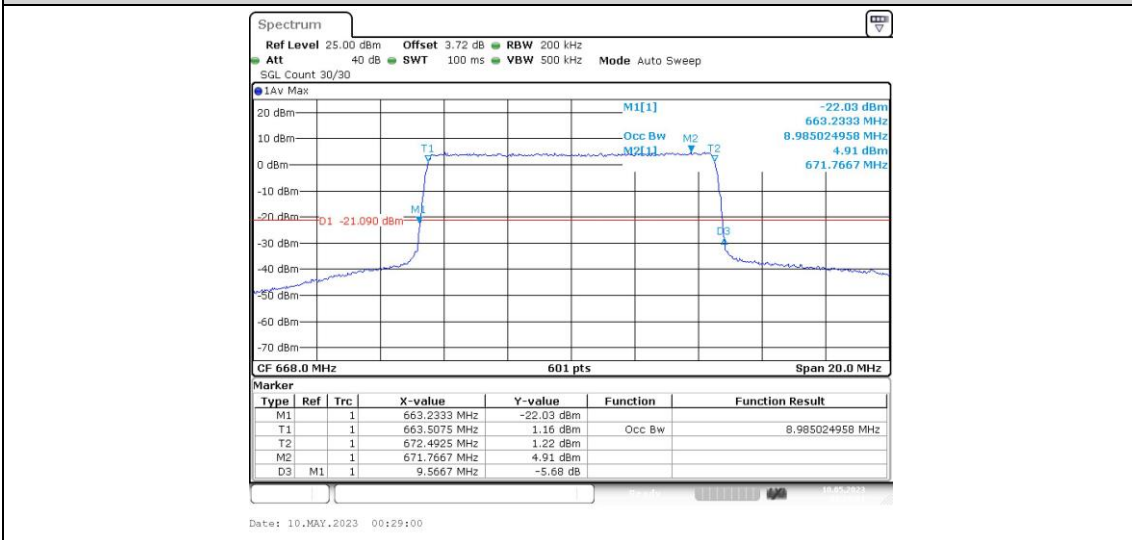
Band71-5MHz-16QAM-133297-25RB#0



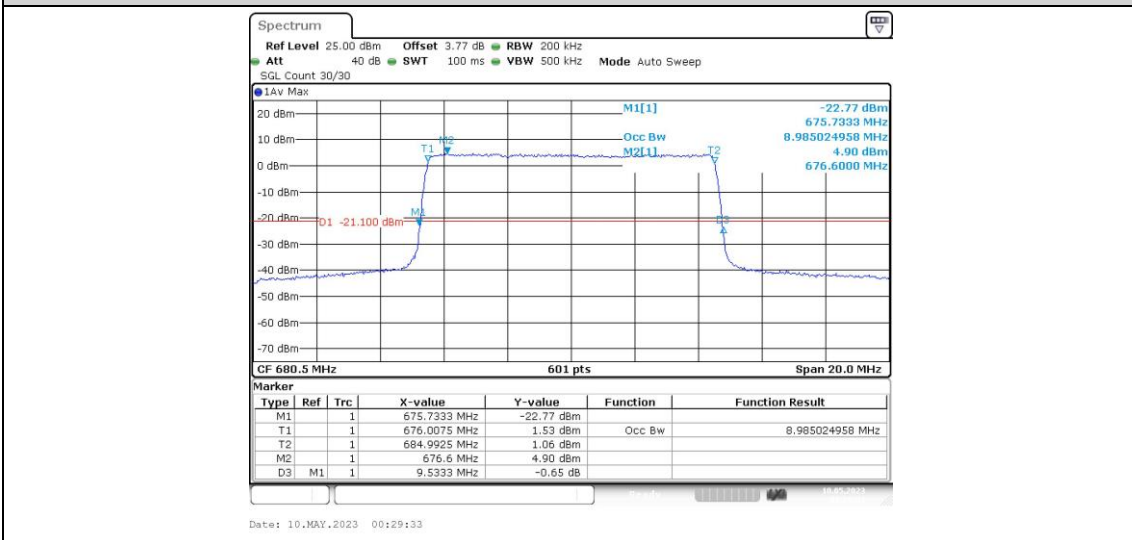
Band71-5MHz-16QAM-133447-25RB#0



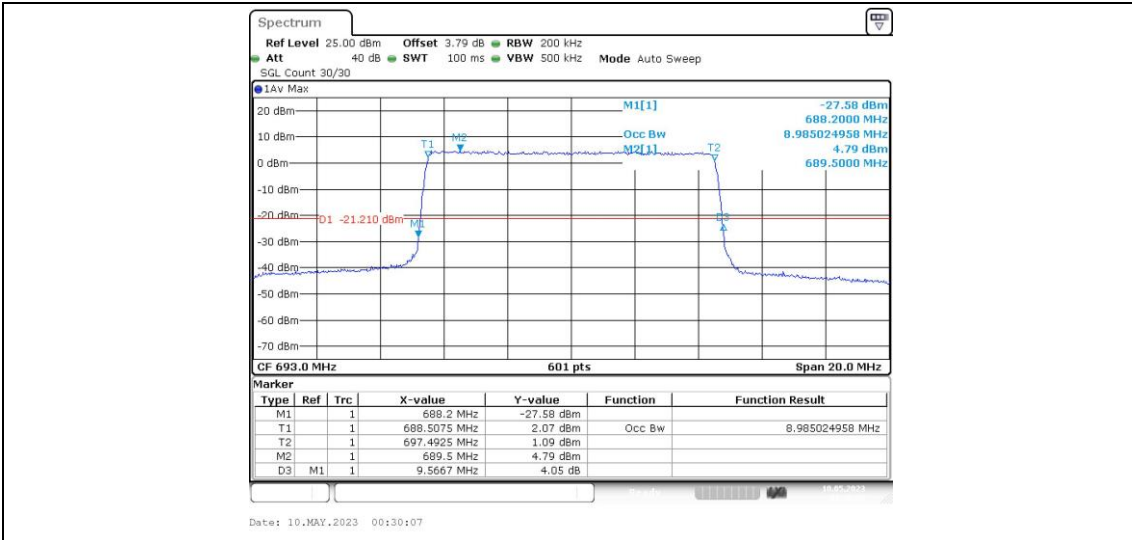
Band71-10MHz-QPSK-133172-50RB#0



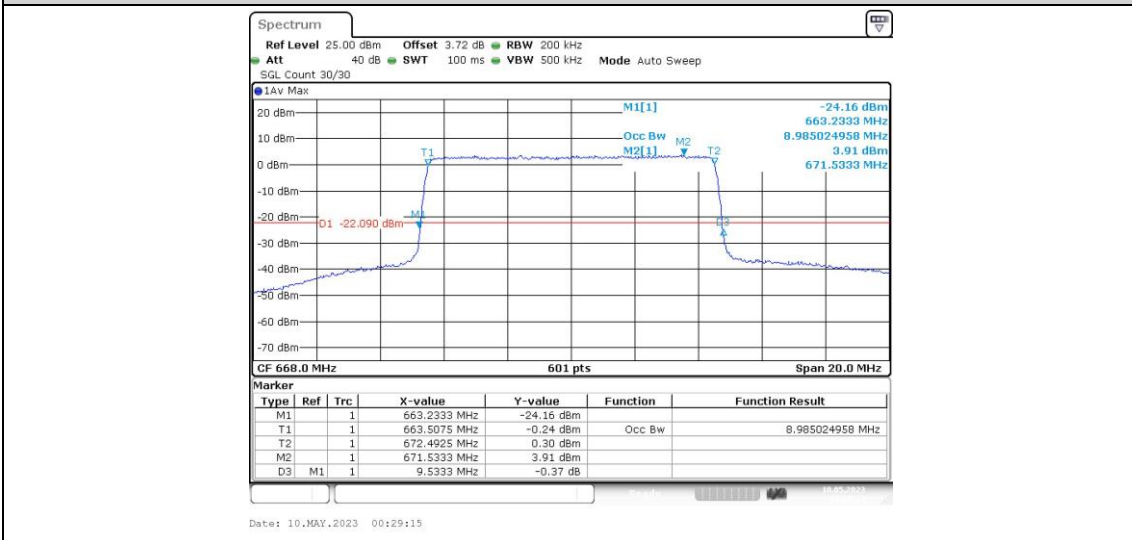
Band71-10MHz-QPSK-133297-50RB#0



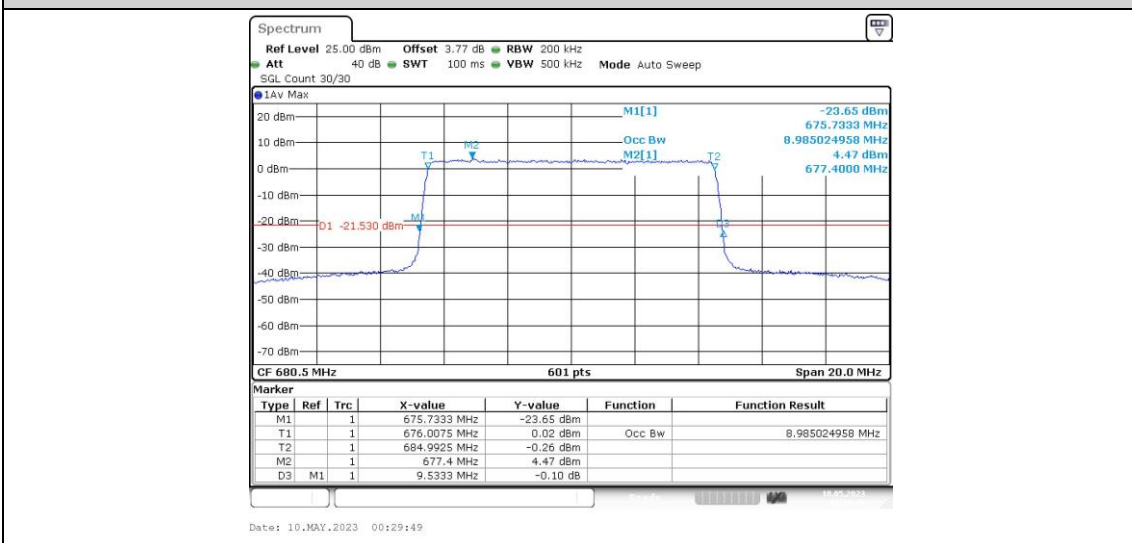
Band71-10MHz-QPSK-133422-50RB#0



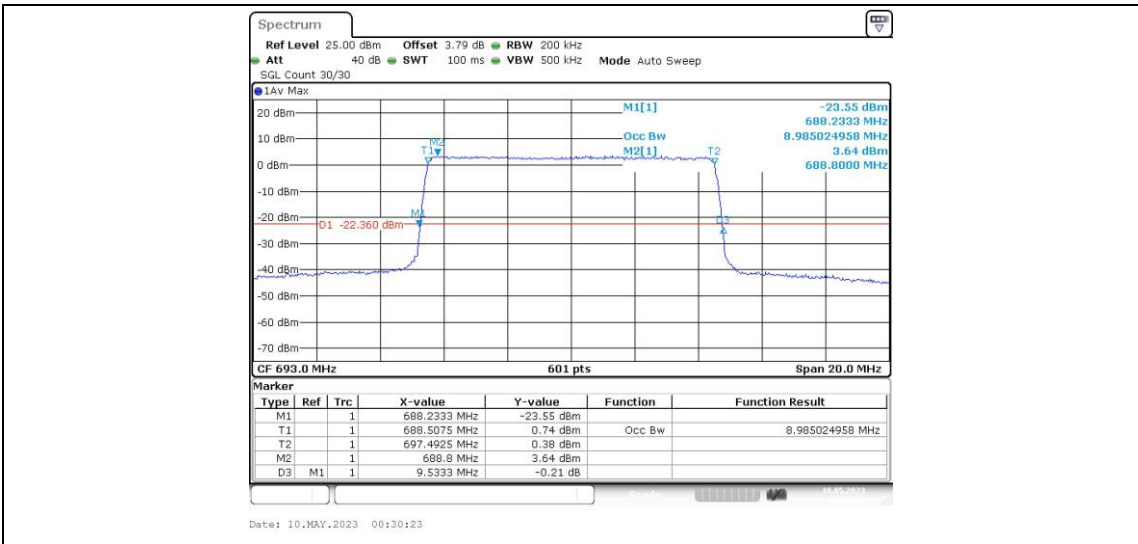
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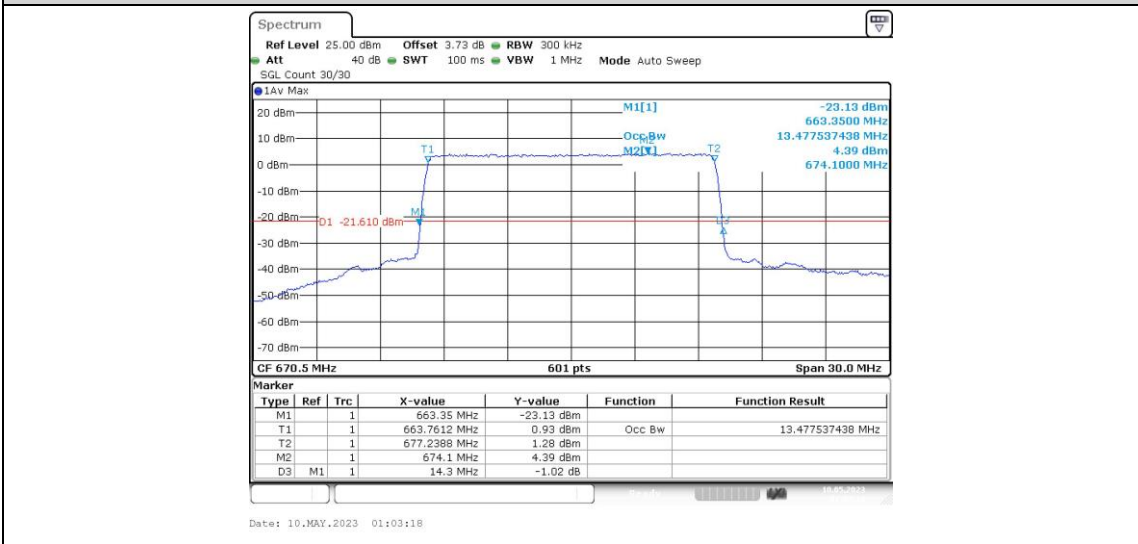
Band71-10MHz-16QAM-133297-50RB#0



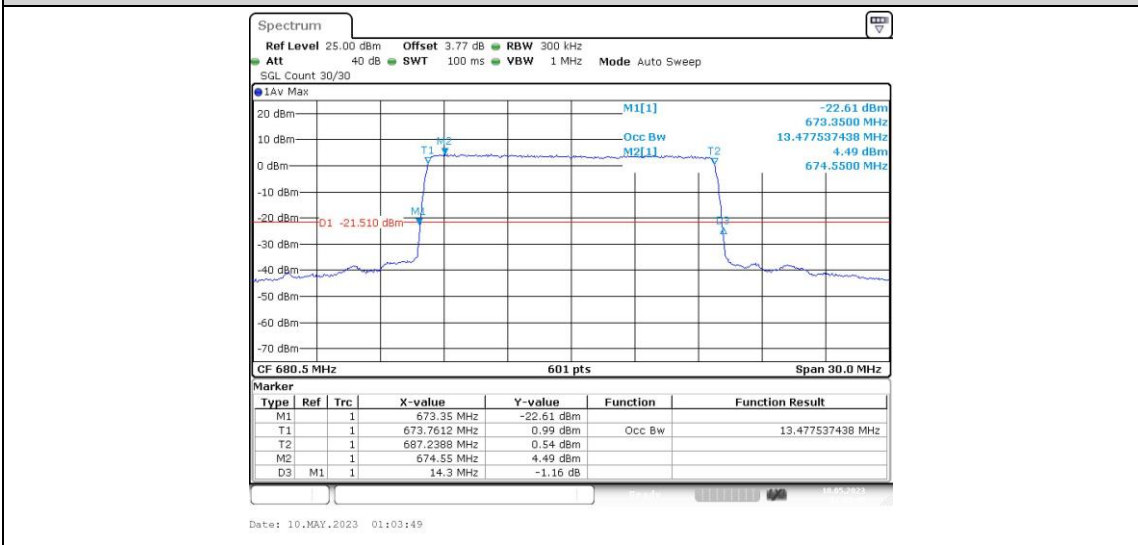
Band71-10MHz-16QAM-133422-50RB#0



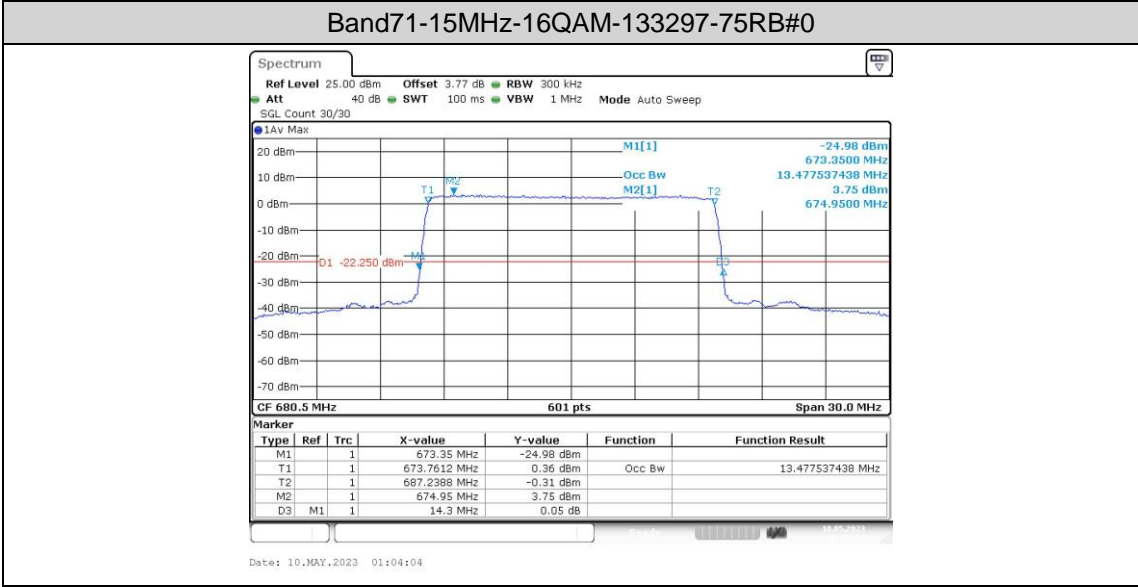
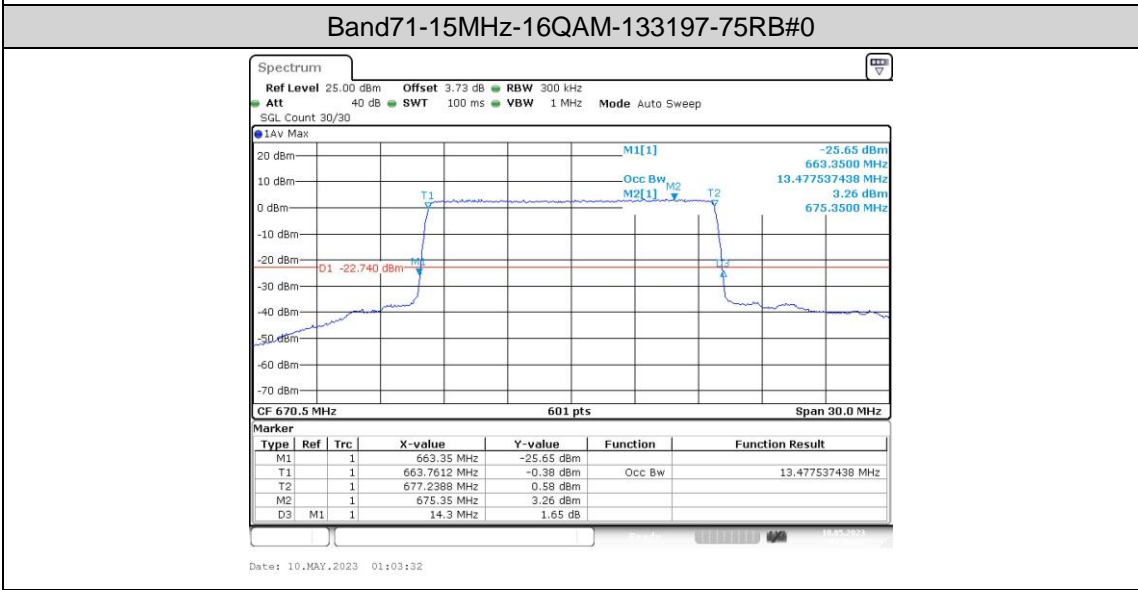
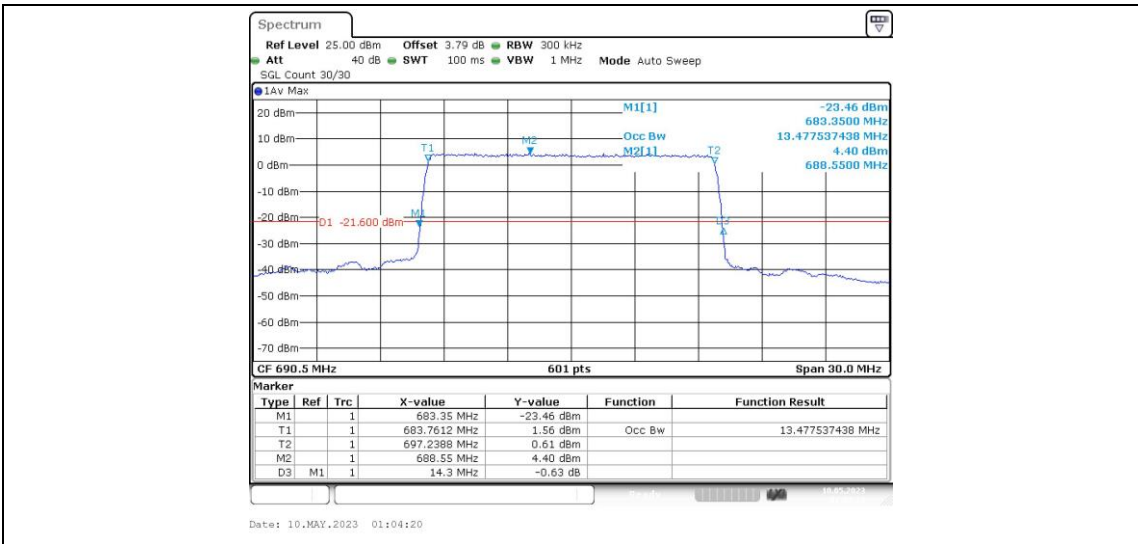
Band71-15MHz-QPSK-133197-75RB#0



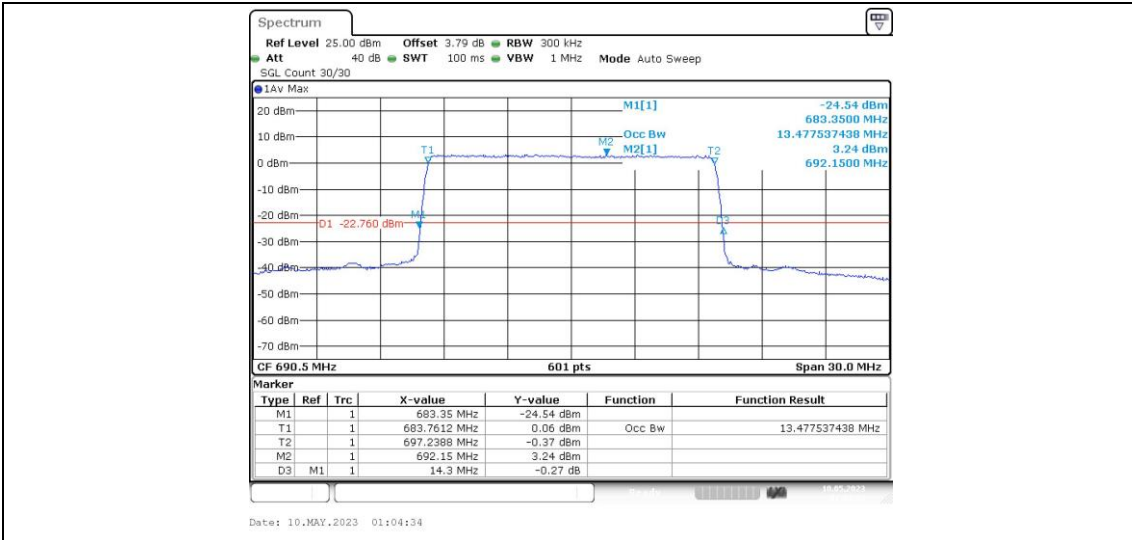
Band71-15MHz-QPSK-133297-75RB#0



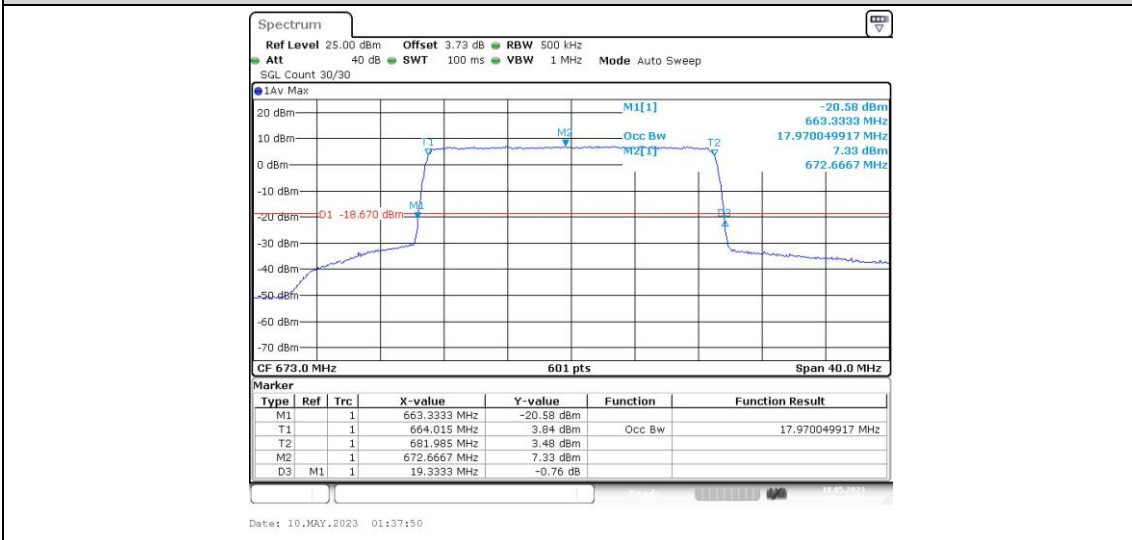
Band71-15MHz-QPSK-133397-75RB#0



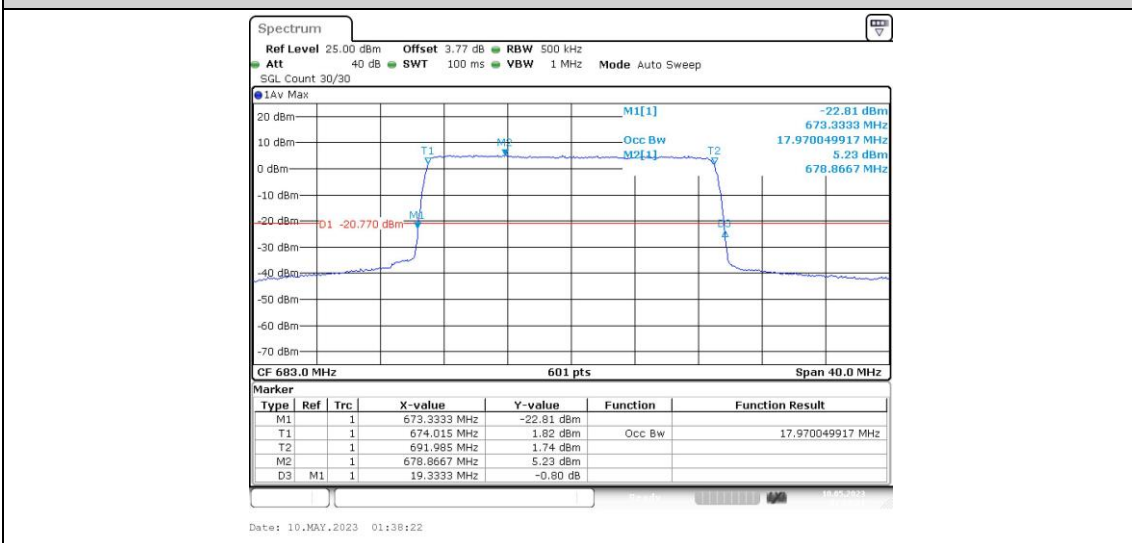
Band71-15MHz-16QAM-133397-75RB#0



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



Band71-20MHz-QPSK-133322-100RB#0



Band71-20MHz-QPSK-133372-100RB#0