

Appendix for LTE BAND 41

Product Name: CSX8

Model No: LGT-08QA-2301

Appendix A: Average Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band41	5MHz	QPSK	39675	1RB#0	23.03	PASS
Band41	5MHz	QPSK	39675	1RB#12	22.99	PASS
Band41	5MHz	QPSK	39675	1RB#24	22.97	PASS
Band41	5MHz	QPSK	39675	12RB#0	21.91	PASS
Band41	5MHz	QPSK	39675	12RB#6	21.88	PASS
Band41	5MHz	QPSK	39675	12RB#13	21.87	PASS
Band41	5MHz	QPSK	39675	25RB#0	21.87	PASS
Band41	5MHz	QPSK	40620	1RB#0	22.20	PASS
Band41	5MHz	QPSK	40620	1RB#12	22.28	PASS
Band41	5MHz	QPSK	40620	1RB#24	22.31	PASS
Band41	5MHz	QPSK	40620	12RB#0	21.44	PASS
Band41	5MHz	QPSK	40620	12RB#6	21.39	PASS
Band41	5MHz	QPSK	40620	12RB#13	21.53	PASS
Band41	5MHz	QPSK	40620	25RB#0	21.52	PASS
Band41	5MHz	QPSK	41565	1RB#0	23.35	PASS
Band41	5MHz	QPSK	41565	1RB#12	23.38	PASS
Band41	5MHz	QPSK	41565	1RB#24	23.30	PASS
Band41	5MHz	QPSK	41565	12RB#0	22.18	PASS
Band41	5MHz	QPSK	41565	12RB#6	22.19	PASS
Band41	5MHz	QPSK	41565	12RB#13	22.30	PASS
Band41	5MHz	QPSK	41565	25RB#0	22.32	PASS
Band41	5MHz	16QAM	39675	1RB#0	22.32	PASS
Band41	5MHz	16QAM	39675	1RB#12	22.32	PASS
Band41	5MHz	16QAM	39675	1RB#24	22.30	PASS
Band41	5MHz	16QAM	39675	12RB#0	20.93	PASS
Band41	5MHz	16QAM	39675	12RB#6	20.90	PASS
Band41	5MHz	16QAM	39675	12RB#13	20.92	PASS
Band41	5MHz	16QAM	39675	25RB#0	20.86	PASS
Band41	5MHz	16QAM	40620	1RB#0	22.02	PASS
Band41	5MHz	16QAM	40620	1RB#12	22.22	PASS

Band41	5MHz	16QAM	40620	1RB#24	22.03	PASS
Band41	5MHz	16QAM	40620	12RB#0	20.43	PASS
Band41	5MHz	16QAM	40620	12RB#6	20.44	PASS
Band41	5MHz	16QAM	40620	12RB#13	20.53	PASS
Band41	5MHz	16QAM	40620	25RB#0	20.55	PASS
Band41	5MHz	16QAM	41565	1RB#0	22.63	PASS
Band41	5MHz	16QAM	41565	1RB#12	22.74	PASS
Band41	5MHz	16QAM	41565	1RB#24	22.68	PASS
Band41	5MHz	16QAM	41565	12RB#0	21.24	PASS
Band41	5MHz	16QAM	41565	12RB#6	21.26	PASS
Band41	5MHz	16QAM	41565	12RB#13	21.34	PASS
Band41	5MHz	16QAM	41565	25RB#0	21.33	PASS
Band41	10MHz	QPSK	39700	1RB#0	22.83	PASS
Band41	10MHz	QPSK	39700	1RB#24	22.76	PASS
Band41	10MHz	QPSK	39700	1RB#49	22.71	PASS
Band41	10MHz	QPSK	39700	25RB#0	21.87	PASS
Band41	10MHz	QPSK	39700	25RB#12	21.82	PASS
Band41	10MHz	QPSK	39700	25RB#25	21.77	PASS
Band41	10MHz	QPSK	39700	50RB#0	21.92	PASS
Band41	10MHz	QPSK	40620	1RB#0	22.55	PASS
Band41	10MHz	QPSK	40620	1RB#24	22.48	PASS
Band41	10MHz	QPSK	40620	1RB#49	22.43	PASS
Band41	10MHz	QPSK	40620	25RB#0	21.48	PASS
Band41	10MHz	QPSK	40620	25RB#12	21.44	PASS
Band41	10MHz	QPSK	40620	25RB#25	21.59	PASS
Band41	10MHz	QPSK	40620	50RB#0	21.55	PASS
Band41	10MHz	QPSK	41540	1RB#0	23.20	PASS
Band41	10MHz	QPSK	41540	1RB#24	23.25	PASS
Band41	10MHz	QPSK	41540	1RB#49	23.29	PASS
Band41	10MHz	QPSK	41540	25RB#0	22.25	PASS
Band41	10MHz	QPSK	41540	25RB#12	22.26	PASS
Band41	10MHz	QPSK	41540	25RB#25	22.41	PASS
Band41	10MHz	QPSK	41540	50RB#0	22.33	PASS
Band41	10MHz	16QAM	39700	1RB#0	22.20	PASS
Band41	10MHz	16QAM	39700	1RB#24	22.19	PASS
Band41	10MHz	16QAM	39700	1RB#49	22.33	PASS

Band41	10MHz	16QAM	39700	25RB#0	20.98	PASS
Band41	10MHz	16QAM	39700	25RB#12	21.00	PASS
Band41	10MHz	16QAM	39700	25RB#25	20.88	PASS
Band41	10MHz	16QAM	39700	50RB#0	20.90	PASS
Band41	10MHz	16QAM	40620	1RB#0	21.44	PASS
Band41	10MHz	16QAM	40620	1RB#24	21.43	PASS
Band41	10MHz	16QAM	40620	1RB#49	21.44	PASS
Band41	10MHz	16QAM	40620	25RB#0	20.52	PASS
Band41	10MHz	16QAM	40620	25RB#12	20.46	PASS
Band41	10MHz	16QAM	40620	25RB#25	20.61	PASS
Band41	10MHz	16QAM	40620	50RB#0	20.56	PASS
Band41	10MHz	16QAM	41540	1RB#0	22.68	PASS
Band41	10MHz	16QAM	41540	1RB#24	22.60	PASS
Band41	10MHz	16QAM	41540	1RB#49	22.59	PASS
Band41	10MHz	16QAM	41540	25RB#0	21.39	PASS
Band41	10MHz	16QAM	41540	25RB#12	21.37	PASS
Band41	10MHz	16QAM	41540	25RB#25	21.52	PASS
Band41	10MHz	16QAM	41540	50RB#0	21.36	PASS
Band41	15MHz	QPSK	39725	1RB#0	23.33	PASS
Band41	15MHz	QPSK	39725	1RB#38	22.43	PASS
Band41	15MHz	QPSK	39725	1RB#74	22.40	PASS
Band41	15MHz	QPSK	39725	38RB#0	21.59	PASS
Band41	15MHz	QPSK	39725	38RB#18	21.66	PASS
Band41	15MHz	QPSK	39725	38RB#37	21.67	PASS
Band41	15MHz	QPSK	39725	75RB#0	21.68	PASS
Band41	15MHz	QPSK	40620	1RB#0	22.50	PASS
Band41	15MHz	QPSK	40620	1RB#38	22.35	PASS
Band41	15MHz	QPSK	40620	1RB#74	22.34	PASS
Band41	15MHz	QPSK	40620	38RB#0	21.36	PASS
Band41	15MHz	QPSK	40620	38RB#18	21.46	PASS
Band41	15MHz	QPSK	40620	38RB#37	21.37	PASS
Band41	15MHz	QPSK	40620	75RB#0	21.37	PASS
Band41	15MHz	QPSK	41515	1RB#0	23.00	PASS
Band41	15MHz	QPSK	41515	1RB#38	22.96	PASS
Band41	15MHz	QPSK	41515	1RB#74	23.22	PASS
Band41	15MHz	QPSK	41515	38RB#0	22.05	PASS

Band41	15MHz	QPSK	41515	38RB#18	22.02	PASS
Band41	15MHz	QPSK	41515	38RB#37	22.02	PASS
Band41	15MHz	QPSK	41515	75RB#0	22.01	PASS
Band41	15MHz	16QAM	39725	1RB#0	23.37	PASS
Band41	15MHz	16QAM	39725	1RB#38	21.88	PASS
Band41	15MHz	16QAM	39725	1RB#74	21.92	PASS
Band41	15MHz	16QAM	39725	38RB#0	21.68	PASS
Band41	15MHz	16QAM	39725	38RB#18	21.56	PASS
Band41	15MHz	16QAM	39725	38RB#37	21.67	PASS
Band41	15MHz	16QAM	39725	75RB#0	20.68	PASS
Band41	15MHz	16QAM	40620	1RB#0	21.59	PASS
Band41	15MHz	16QAM	40620	1RB#38	21.41	PASS
Band41	15MHz	16QAM	40620	1RB#74	21.46	PASS
Band41	15MHz	16QAM	40620	38RB#0	21.43	PASS
Band41	15MHz	16QAM	40620	38RB#18	21.36	PASS
Band41	15MHz	16QAM	40620	38RB#37	21.36	PASS
Band41	15MHz	16QAM	40620	75RB#0	20.47	PASS
Band41	15MHz	16QAM	41515	1RB#0	22.45	PASS
Band41	15MHz	16QAM	41515	1RB#38	22.39	PASS
Band41	15MHz	16QAM	41515	1RB#74	22.65	PASS
Band41	15MHz	16QAM	41515	38RB#0	22.14	PASS
Band41	15MHz	16QAM	41515	38RB#18	22.13	PASS
Band41	15MHz	16QAM	41515	38RB#37	21.98	PASS
Band41	15MHz	16QAM	41515	75RB#0	21.18	PASS
Band41	20MHz	QPSK	39750	1RB#0	23.39	PASS
Band41	20MHz	QPSK	39750	1RB#49	22.84	PASS
Band41	20MHz	QPSK	39750	1RB#99	22.77	PASS
Band41	20MHz	QPSK	39750	50RB#0	21.98	PASS
Band41	20MHz	QPSK	39750	50RB#25	21.97	PASS
Band41	20MHz	QPSK	39750	50RB#50	21.92	PASS
Band41	20MHz	QPSK	39750	100RB#0	21.60	PASS
Band41	20MHz	QPSK	40620	1RB#0	23.31	PASS
Band41	20MHz	QPSK	40620	1RB#49	22.95	PASS
Band41	20MHz	QPSK	40620	1RB#99	22.98	PASS
Band41	20MHz	QPSK	40620	50RB#0	21.91	PASS
Band41	20MHz	QPSK	40620	50RB#25	21.91	PASS

Band41	20MHz	QPSK	40620	50RB#50	21.97	PASS
Band41	20MHz	QPSK	40620	100RB#0	21.91	PASS
Band41	20MHz	QPSK	41490	1RB#0	23.45	PASS
Band41	20MHz	QPSK	41490	1RB#49	22.89	PASS
Band41	20MHz	QPSK	41490	1RB#99	23.20	PASS
Band41	20MHz	QPSK	41490	50RB#0	22.05	PASS
Band41	20MHz	QPSK	41490	50RB#25	22.01	PASS
Band41	20MHz	QPSK	41490	50RB#50	22.12	PASS
Band41	20MHz	QPSK	41490	100RB#0	22.03	PASS
Band41	20MHz	16QAM	39750	1RB#0	21.59	PASS
Band41	20MHz	16QAM	39750	1RB#49	21.67	PASS
Band41	20MHz	16QAM	39750	1RB#99	21.68	PASS
Band41	20MHz	16QAM	39750	50RB#0	20.62	PASS
Band41	20MHz	16QAM	39750	50RB#25	20.63	PASS
Band41	20MHz	16QAM	39750	50RB#50	20.46	PASS
Band41	20MHz	16QAM	39750	100RB#0	20.58	PASS
Band41	20MHz	16QAM	40620	1RB#0	21.05	PASS
Band41	20MHz	16QAM	40620	1RB#49	20.93	PASS
Band41	20MHz	16QAM	40620	1RB#99	21.05	PASS
Band41	20MHz	16QAM	40620	50RB#0	20.38	PASS
Band41	20MHz	16QAM	40620	50RB#25	20.38	PASS
Band41	20MHz	16QAM	40620	50RB#50	20.38	PASS
Band41	20MHz	16QAM	40620	100RB#0	20.37	PASS
Band41	20MHz	16QAM	41490	1RB#0	21.50	PASS
Band41	20MHz	16QAM	41490	1RB#49	22.18	PASS
Band41	20MHz	16QAM	41490	1RB#99	22.47	PASS
Band41	20MHz	16QAM	41490	50RB#0	21.07	PASS
Band41	20MHz	16QAM	41490	50RB#25	21.04	PASS
Band41	20MHz	16QAM	41490	50RB#50	21.14	PASS
Band41	20MHz	16QAM	41490	100RB#0	21.06	PASS

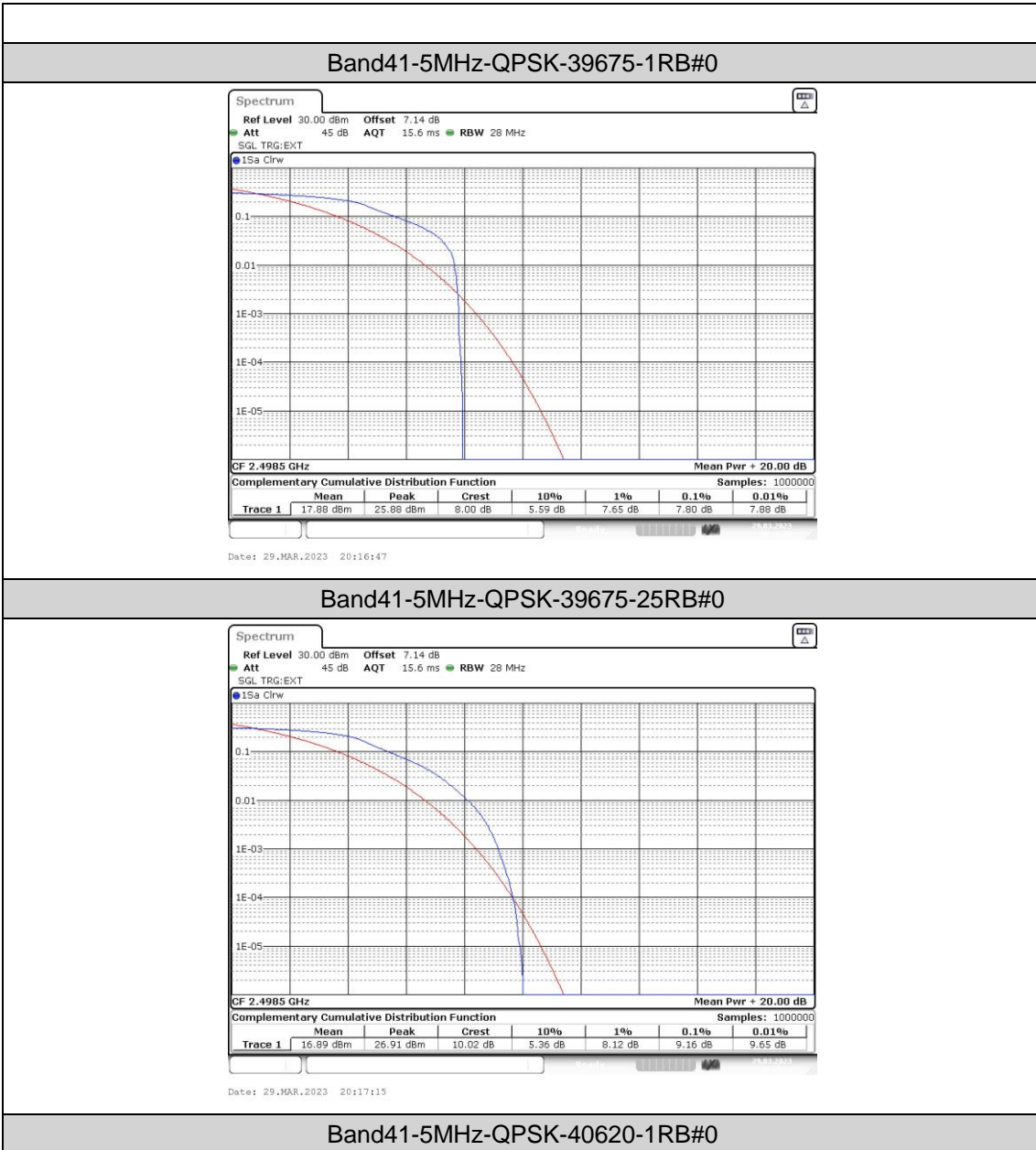
Appendix B: Peak-to-Average Ratio(CCDF)

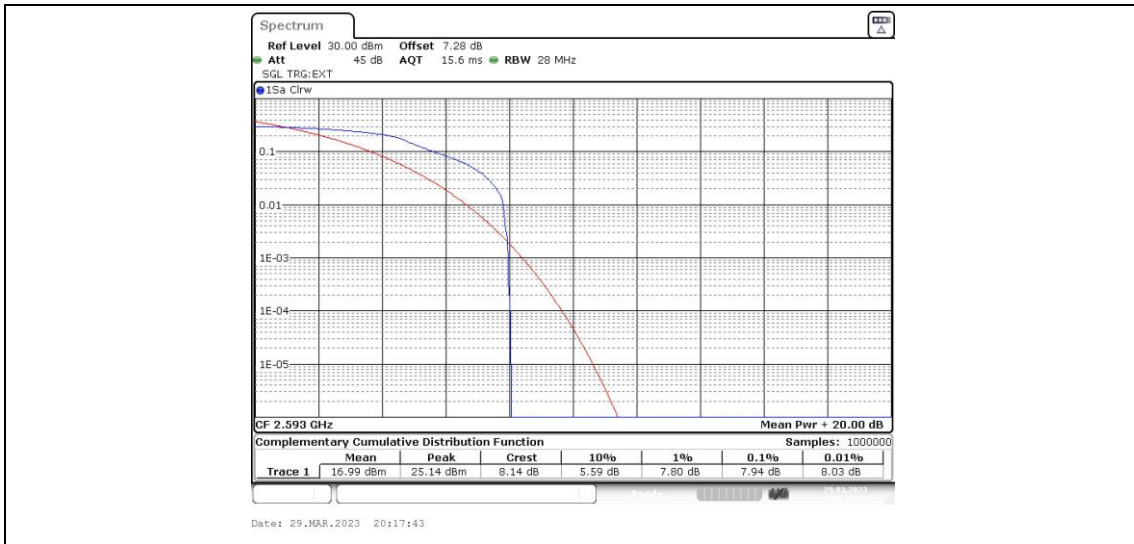
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band41	5MHz	QPSK	39675	1RB#0	7.80	13	PASS
Band41	5MHz	QPSK	39675	25RB#0	9.16	13	PASS
Band41	5MHz	QPSK	40620	1RB#0	7.94	13	PASS
Band41	5MHz	QPSK	40620	25RB#0	9.10	13	PASS
Band41	5MHz	QPSK	41565	1RB#0	8.03	13	PASS
Band41	5MHz	QPSK	41565	25RB#0	9.28	13	PASS
Band41	5MHz	16QAM	39675	1RB#0	9.28	13	PASS
Band41	5MHz	16QAM	39675	25RB#0	9.94	13	PASS
Band41	5MHz	16QAM	40620	1RB#0	9.13	13	PASS
Band41	5MHz	16QAM	40620	25RB#0	9.88	13	PASS
Band41	5MHz	16QAM	41565	1RB#0	9.54	13	PASS
Band41	5MHz	16QAM	41565	25RB#0	10.06	13	PASS
Band41	10MHz	QPSK	39700	1RB#0	7.88	13	PASS
Band41	10MHz	QPSK	39700	50RB#0	9.13	13	PASS
Band41	10MHz	QPSK	40620	1RB#0	7.86	13	PASS
Band41	10MHz	QPSK	40620	50RB#0	9.07	13	PASS
Band41	10MHz	QPSK	41540	1RB#0	7.97	13	PASS
Band41	10MHz	QPSK	41540	50RB#0	9.22	13	PASS
Band41	10MHz	16QAM	39700	1RB#0	9.30	13	PASS
Band41	10MHz	16QAM	39700	50RB#0	10.00	13	PASS
Band41	10MHz	16QAM	40620	1RB#0	9.45	13	PASS
Band41	10MHz	16QAM	40620	50RB#0	9.94	13	PASS
Band41	10MHz	16QAM	41540	1RB#0	9.65	13	PASS
Band41	10MHz	16QAM	41540	50RB#0	10.09	13	PASS
Band41	15MHz	QPSK	39725	1RB#0	7.86	13	PASS
Band41	15MHz	QPSK	39725	75RB#0	9.36	13	PASS
Band41	15MHz	QPSK	40620	1RB#0	7.83	13	PASS
Band41	15MHz	QPSK	40620	75RB#0	9.28	13	PASS
Band41	15MHz	QPSK	41515	1RB#0	8.03	13	PASS
Band41	15MHz	QPSK	41515	75RB#0	9.45	13	PASS
Band41	15MHz	16QAM	39725	1RB#0	9.36	13	PASS
Band41	15MHz	16QAM	39725	75RB#0	10.14	13	PASS
Band41	15MHz	16QAM	40620	1RB#0	9.51	13	PASS
Band41	15MHz	16QAM	40620	75RB#0	10.03	13	PASS
Band41	15MHz	16QAM	41515	1RB#0	9.68	13	PASS

Band41	15MHz	16QAM	41515	75RB#0	10.20	13	PASS
Band41	20MHz	QPSK	39750	1RB#0	7.77	13	PASS
Band41	20MHz	QPSK	39750	100RB#0	9.16	13	PASS
Band41	20MHz	QPSK	40620	1RB#0	7.88	13	PASS
Band41	20MHz	QPSK	40620	100RB#0	9.07	13	PASS
Band41	20MHz	QPSK	41490	1RB#0	7.97	13	PASS
Band41	20MHz	QPSK	41490	100RB#0	9.22	13	PASS
Band41	20MHz	16QAM	39750	1RB#0	9.39	13	PASS
Band41	20MHz	16QAM	39750	100RB#0	10.03	13	PASS
Band41	20MHz	16QAM	40620	1RB#0	9.39	13	PASS
Band41	20MHz	16QAM	40620	100RB#0	9.94	13	PASS
Band41	20MHz	16QAM	41490	1RB#0	9.65	13	PASS
Band41	20MHz	16QAM	41490	100RB#0	10.09	13	PASS

Test Graphs





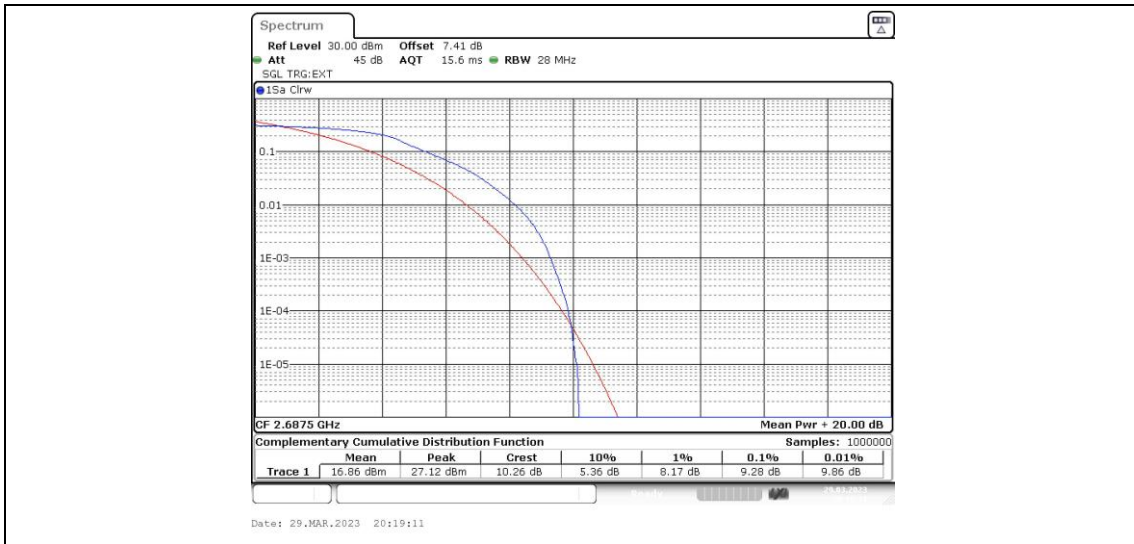
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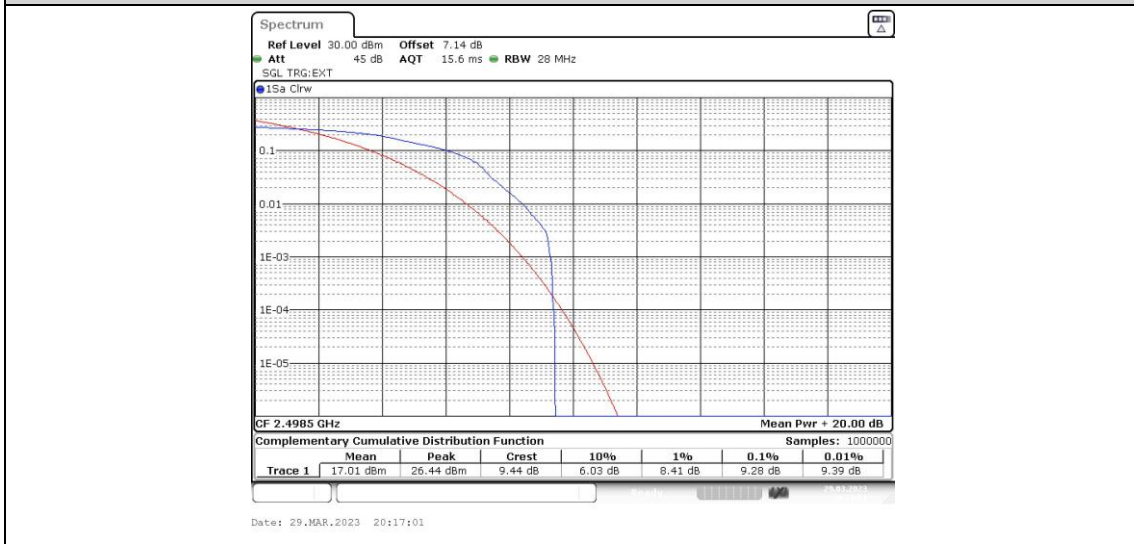
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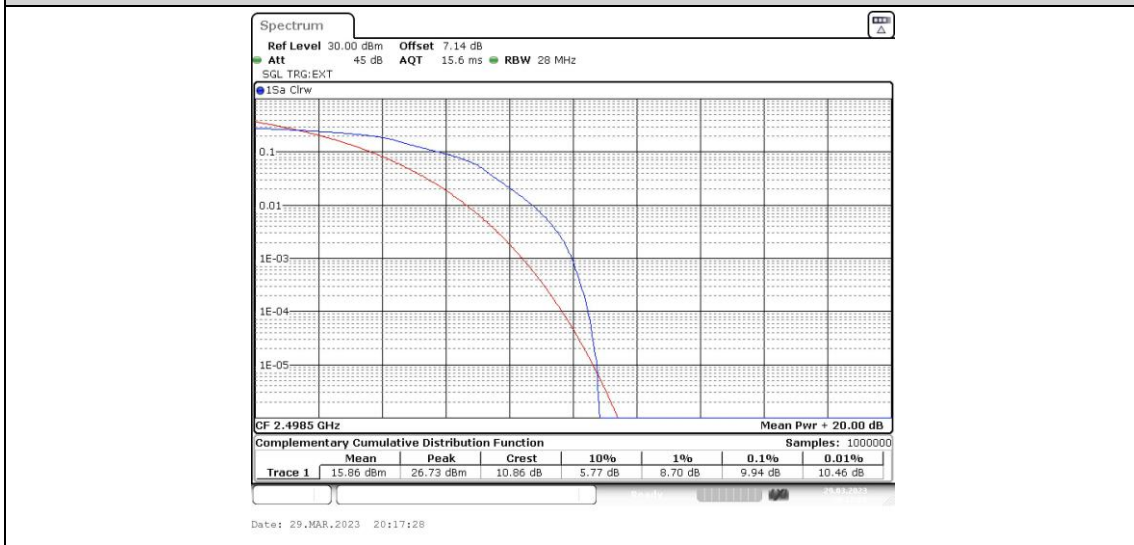
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Band41-5MHz-16QAM-39675-25RB#0



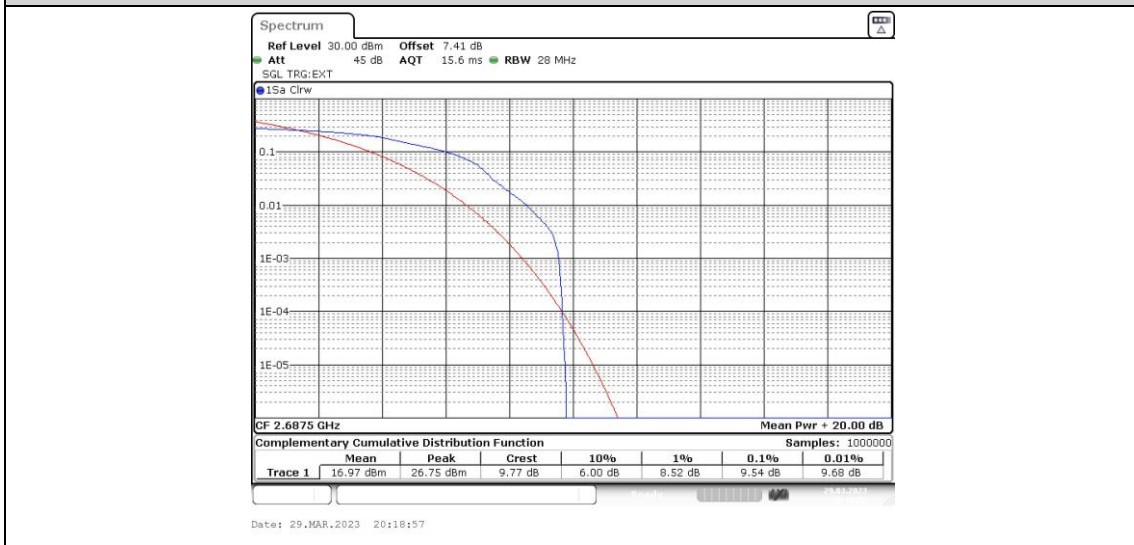
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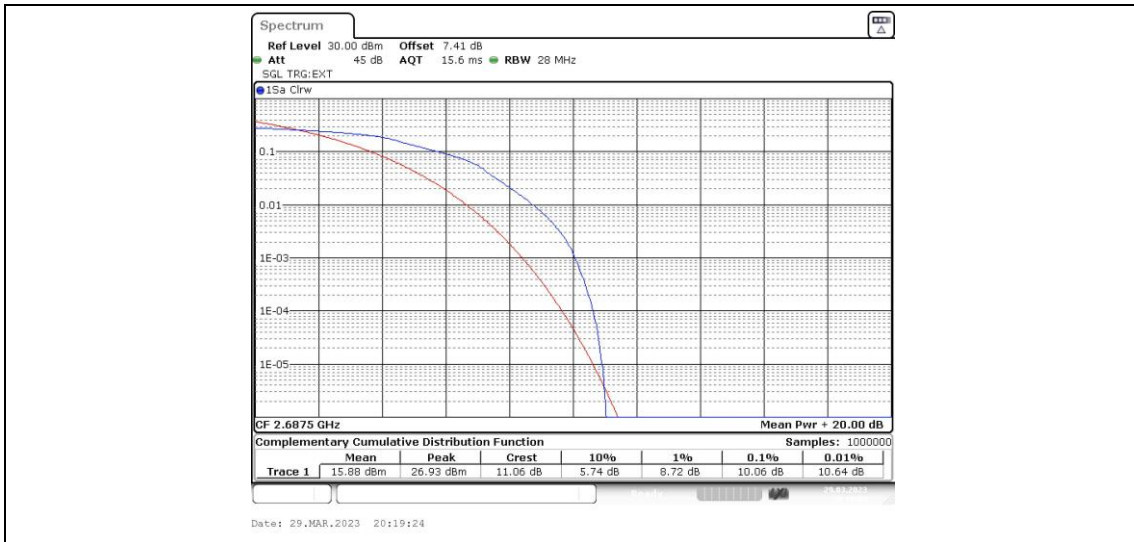
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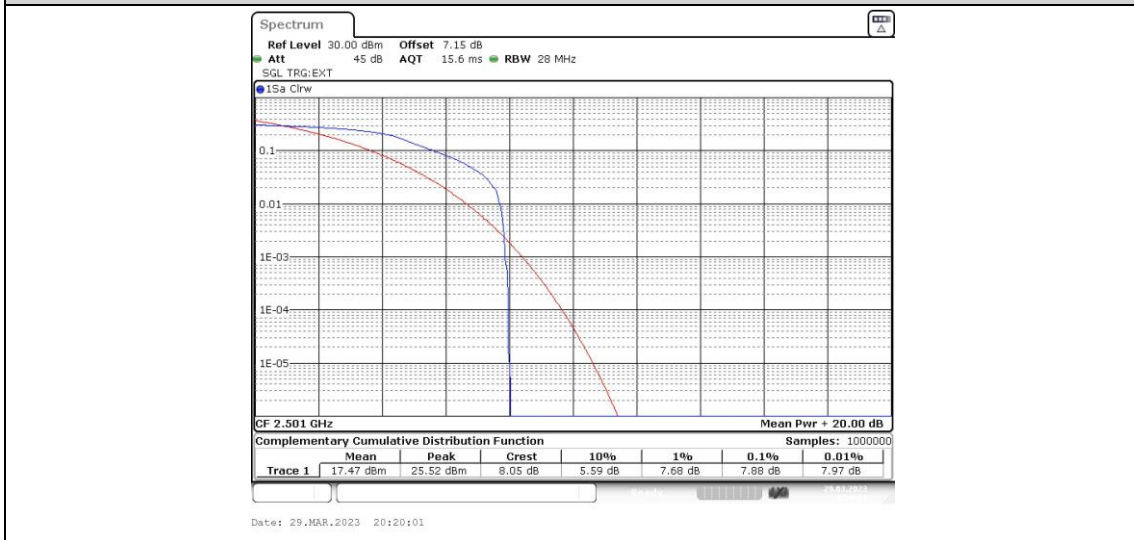
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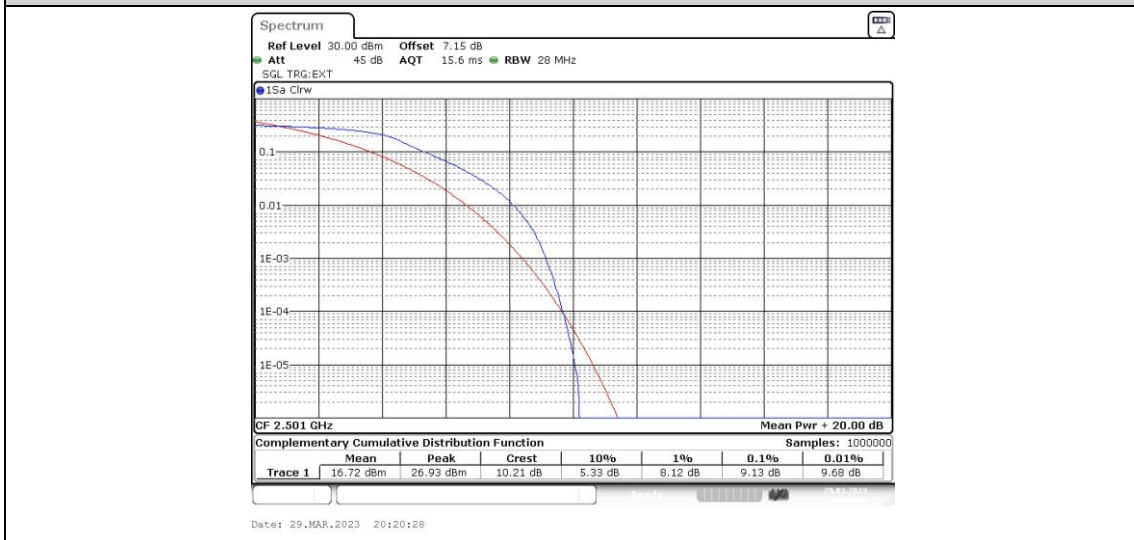
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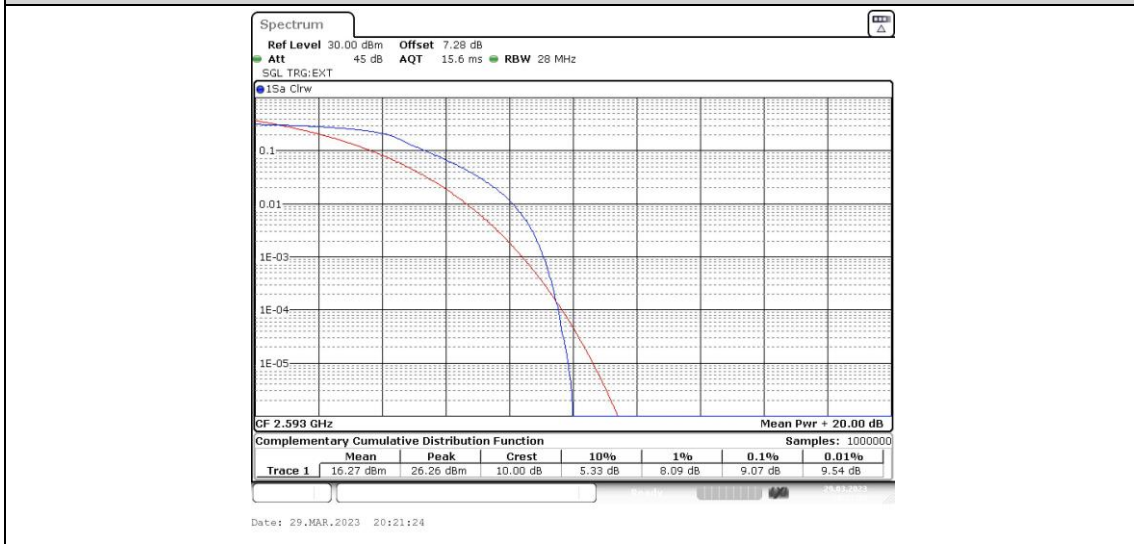
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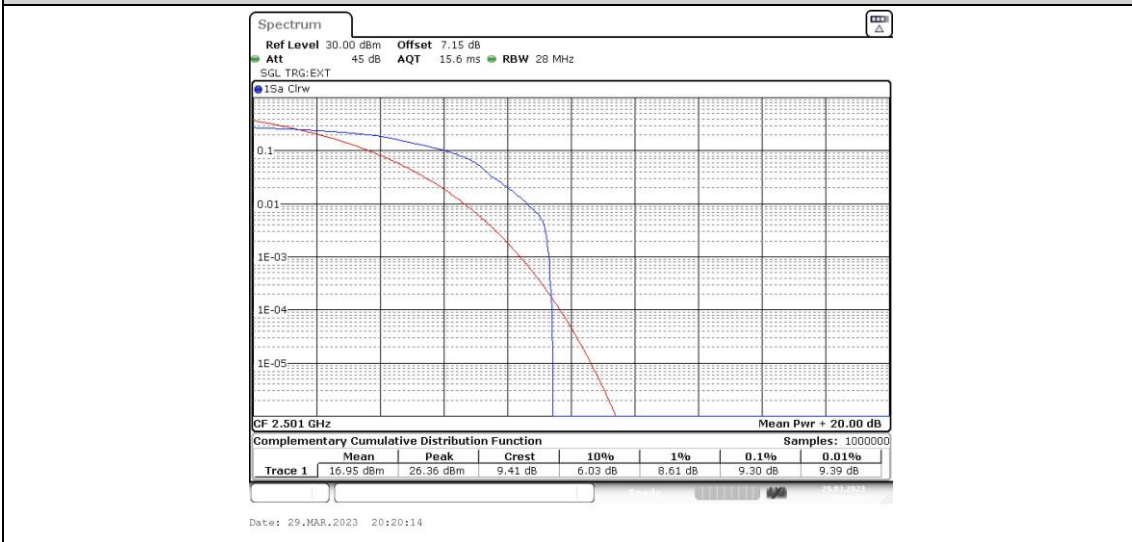
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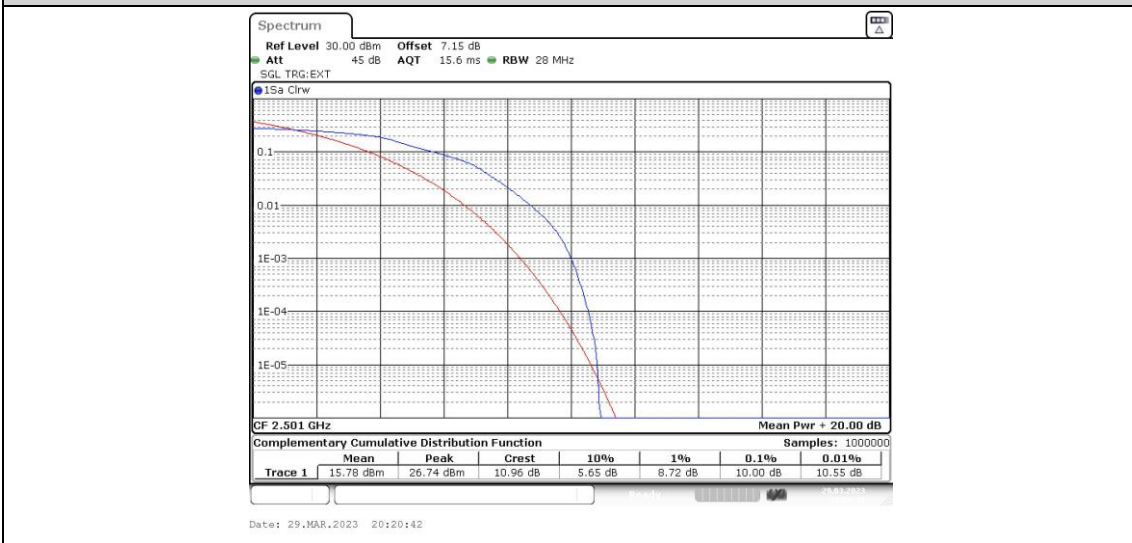
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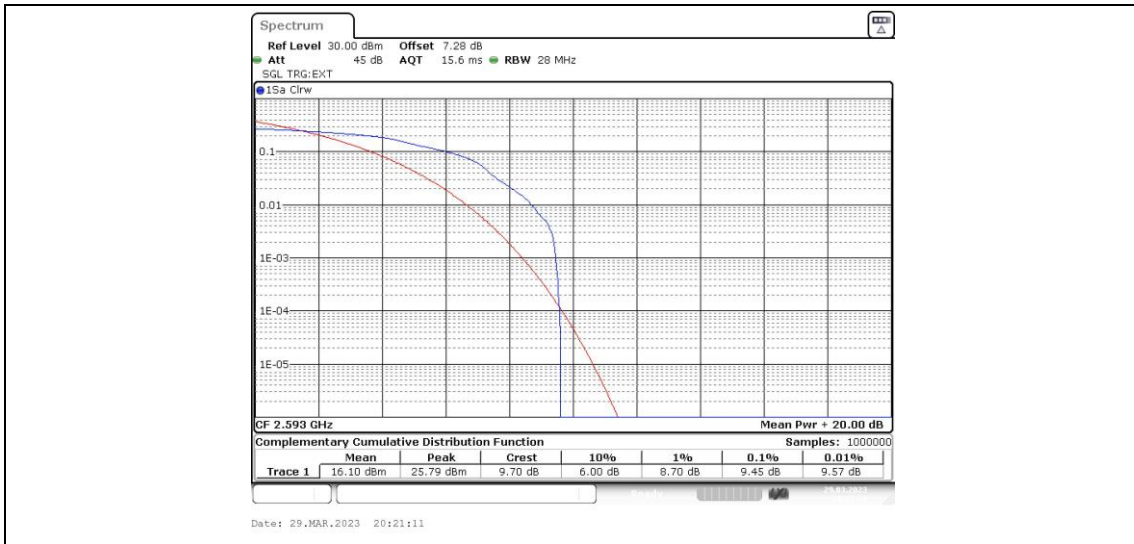
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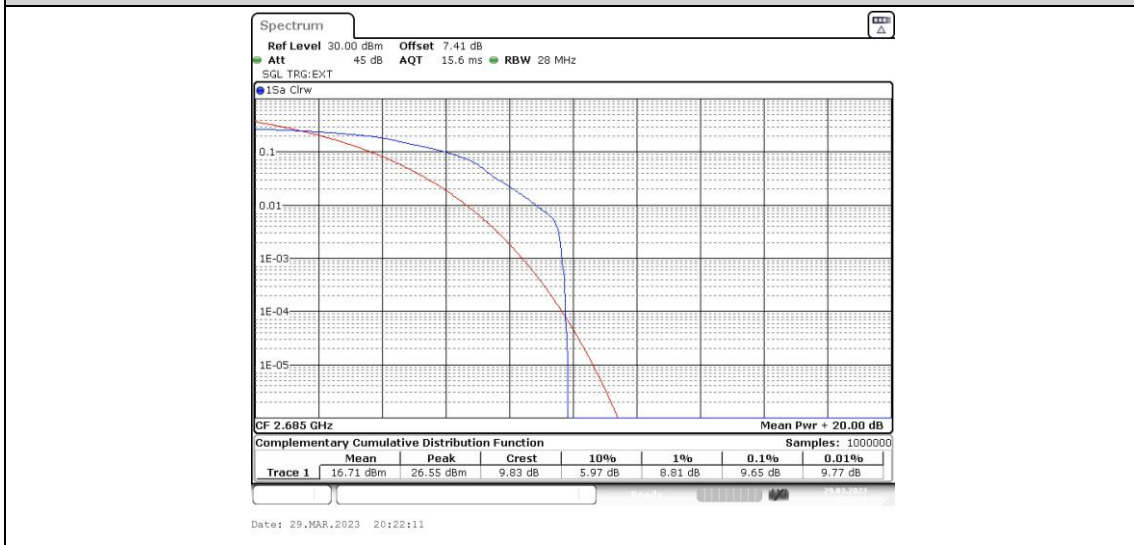
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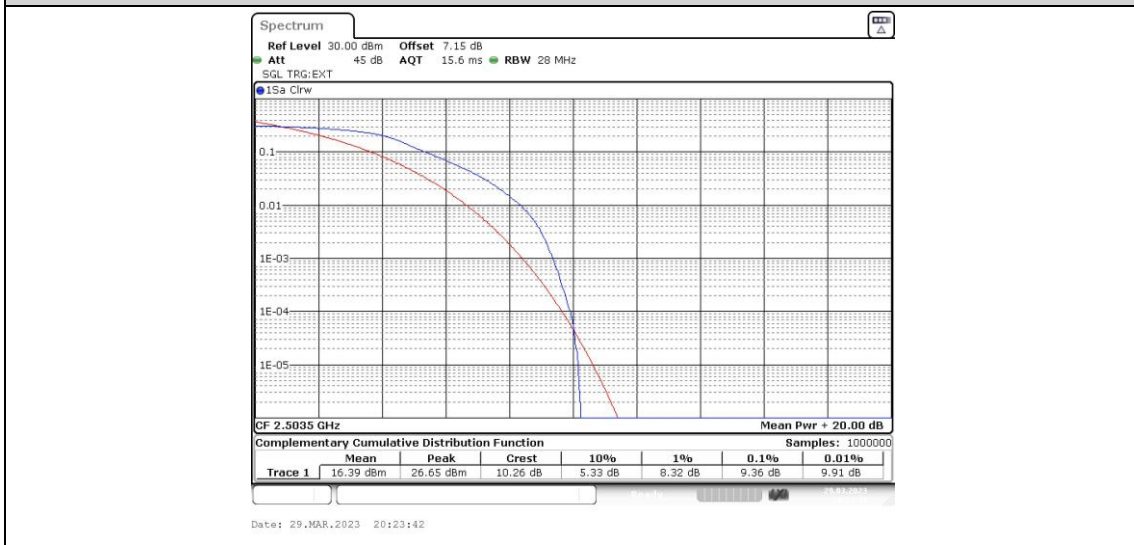
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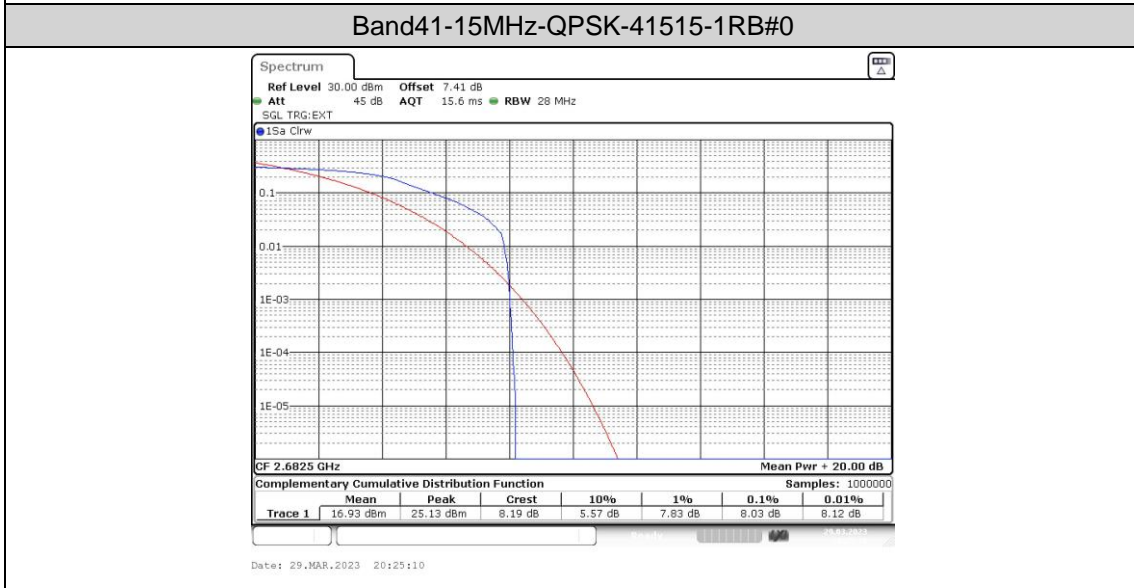
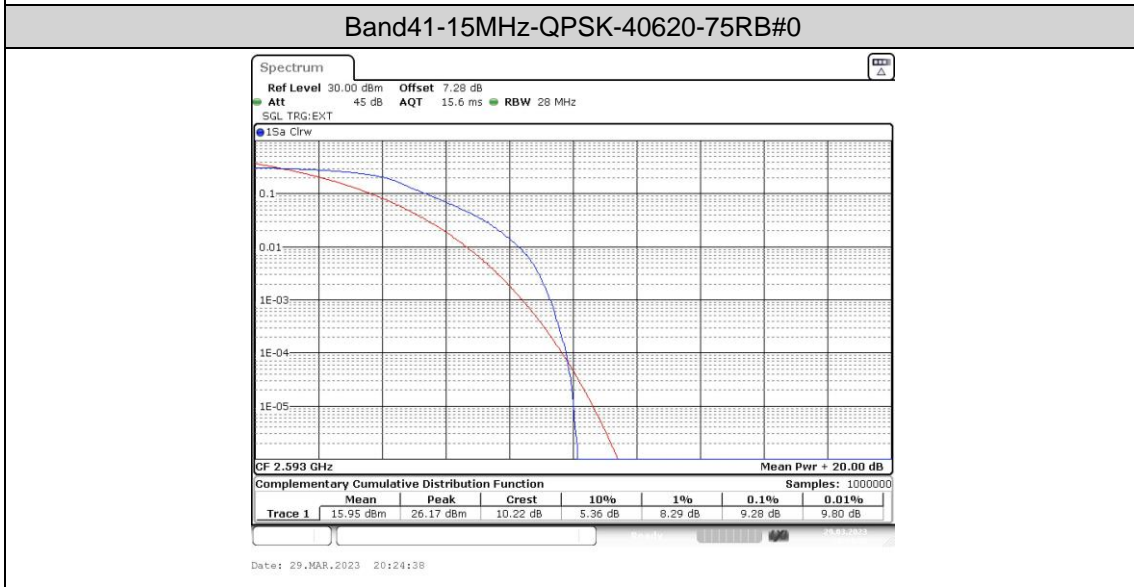
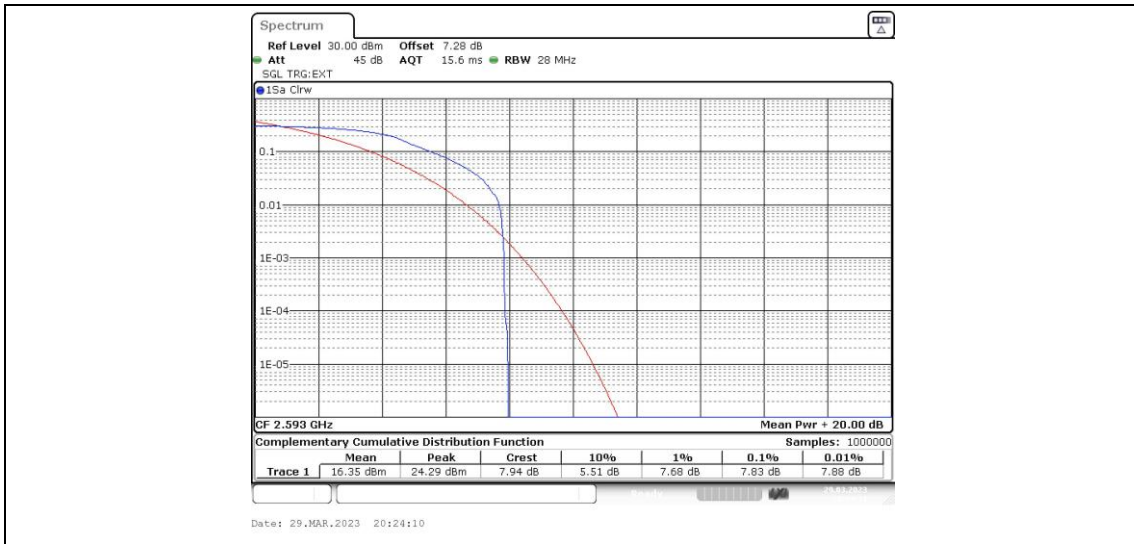
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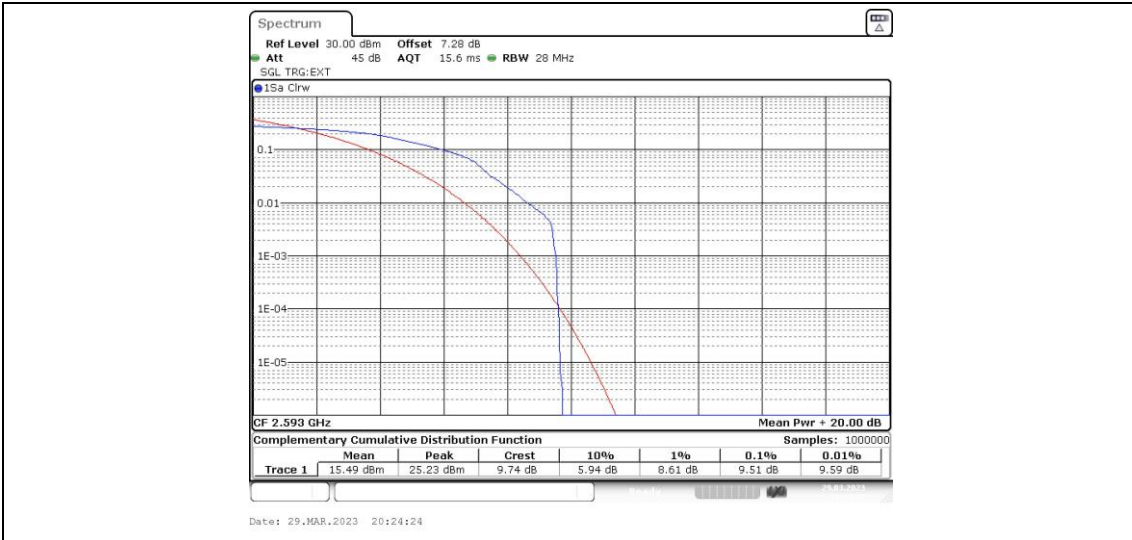
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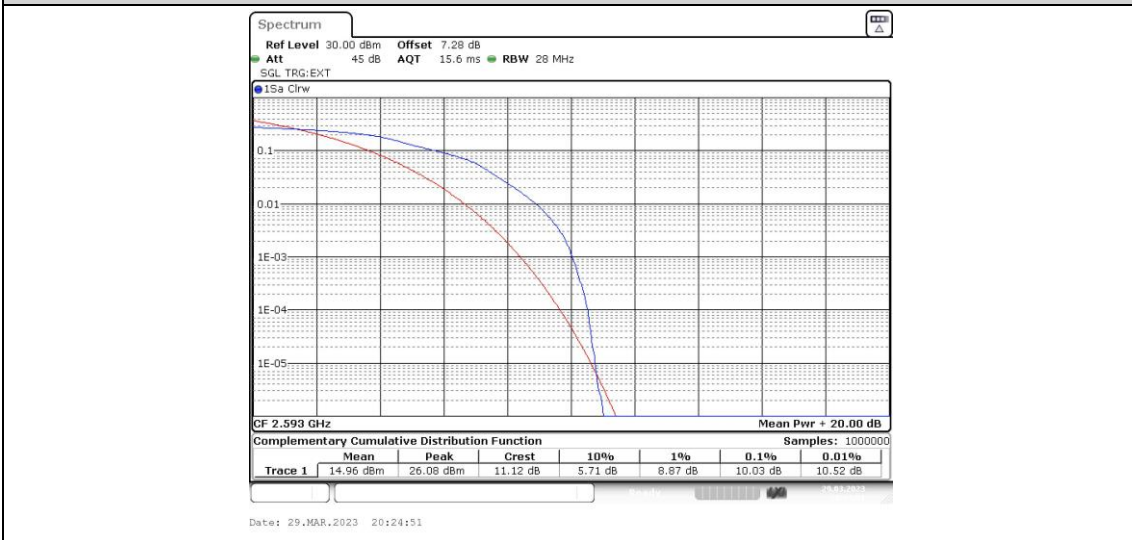
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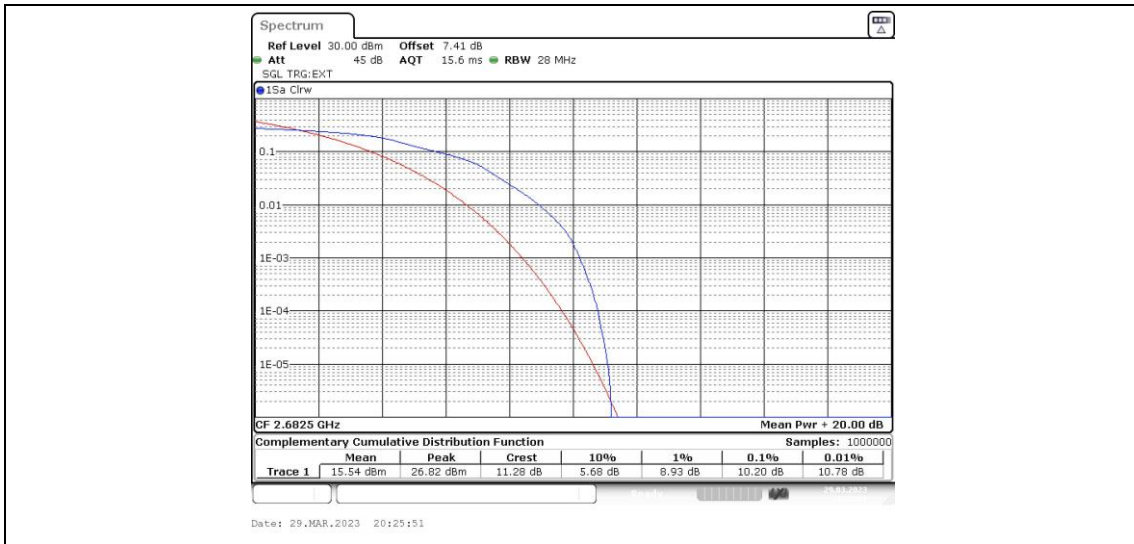
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Band41-15MHz-16QAM-41515-75RB#0



Band41-20MHz-QPSK-39750-1RB#0



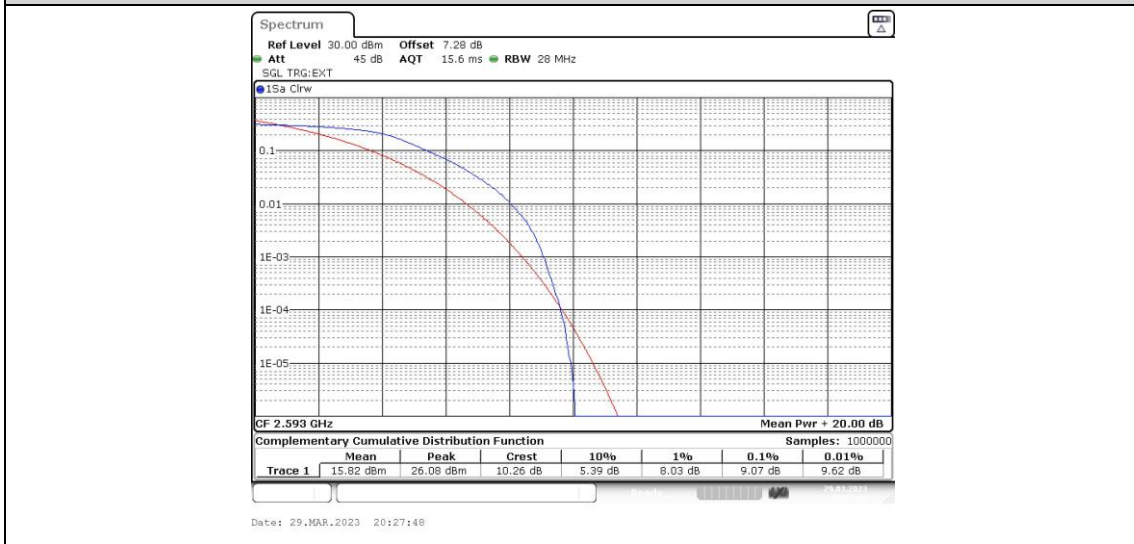
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Band41-20MHz-QPSK-40620-1RB#0



Band41-20MHz-QPSK-40620-100RB#0



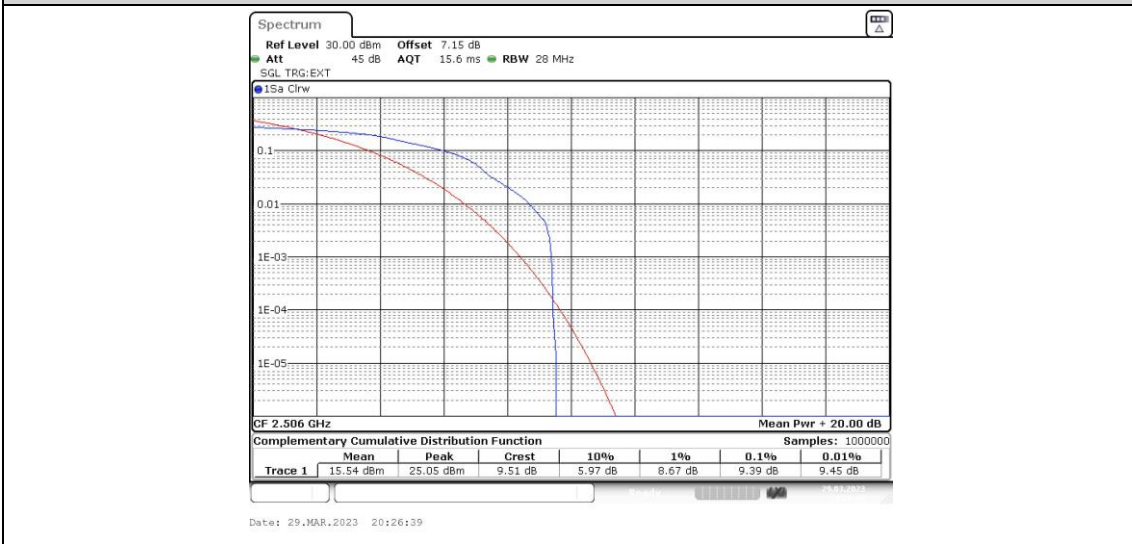
Band41-20MHz-QPSK-41490-1RB#0



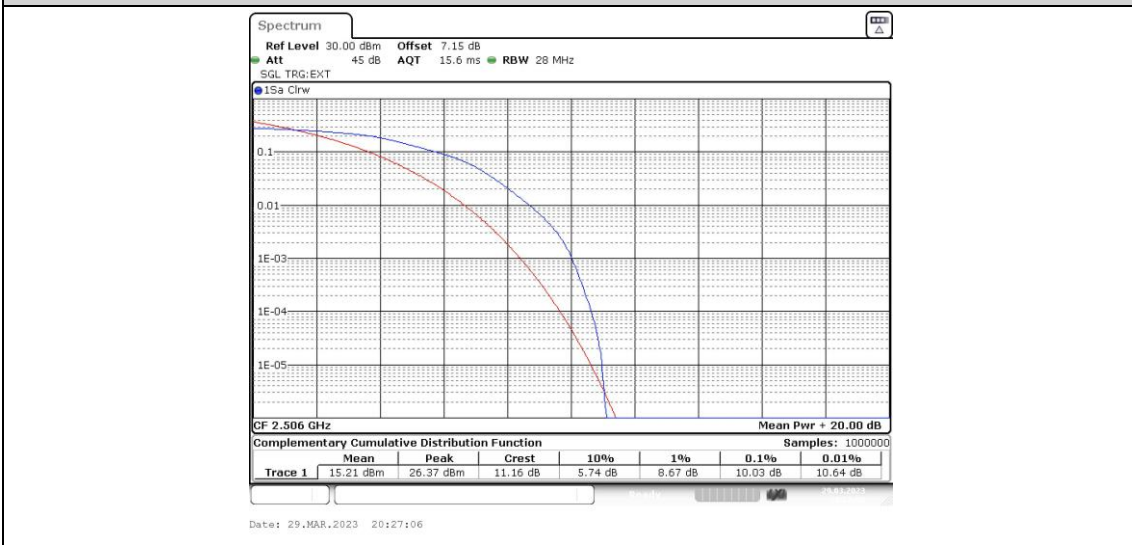
Band41-20MHz-QPSK-41490-100RB#0



Band41-20MHz-16QAM-39750-1RB#0



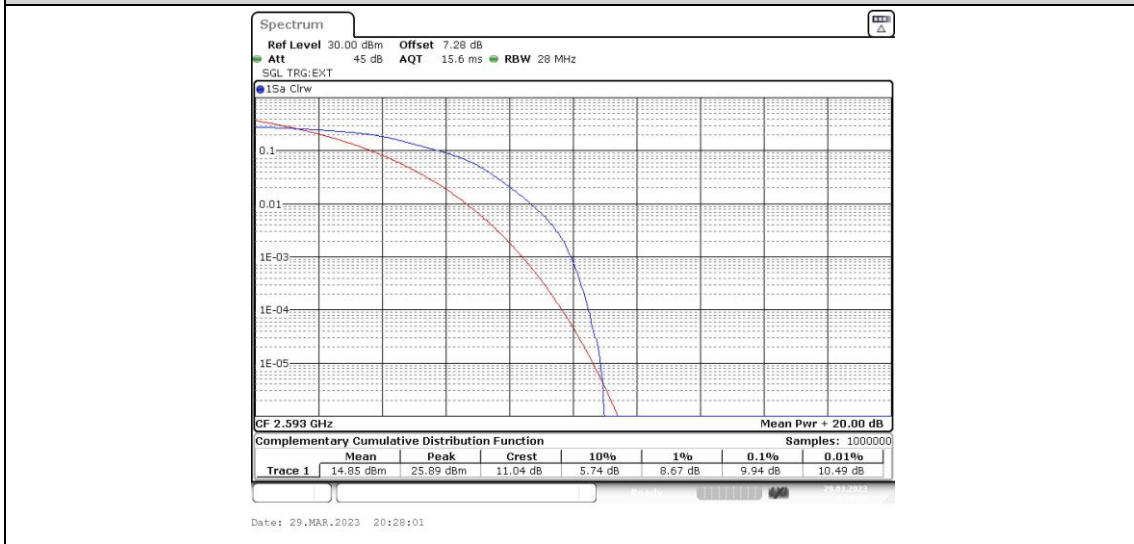
Band41-20MHz-16QAM-39750-100RB#0



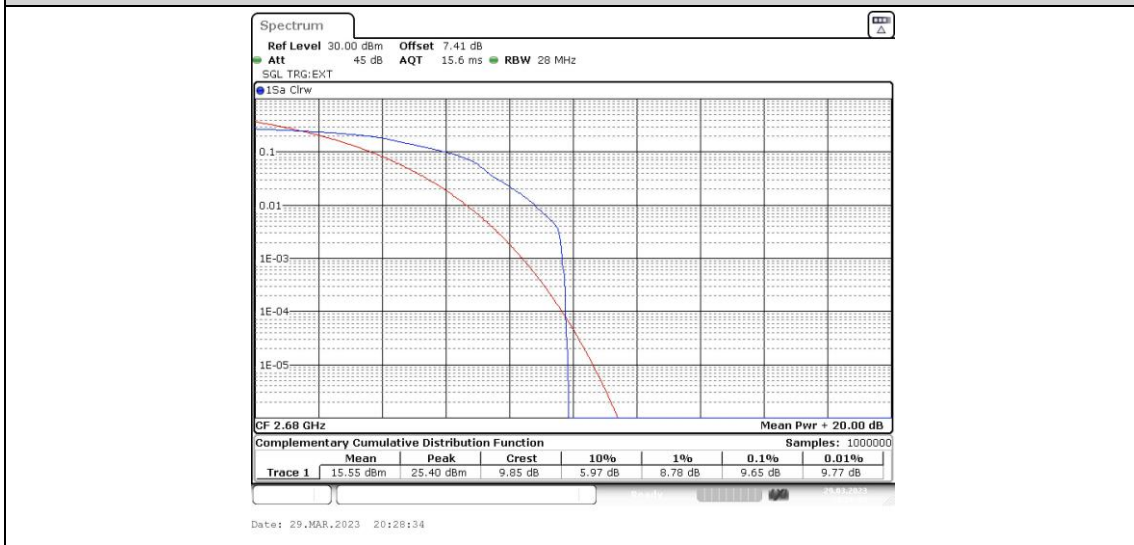
Band41-20MHz-16QAM-40620-1RB#0



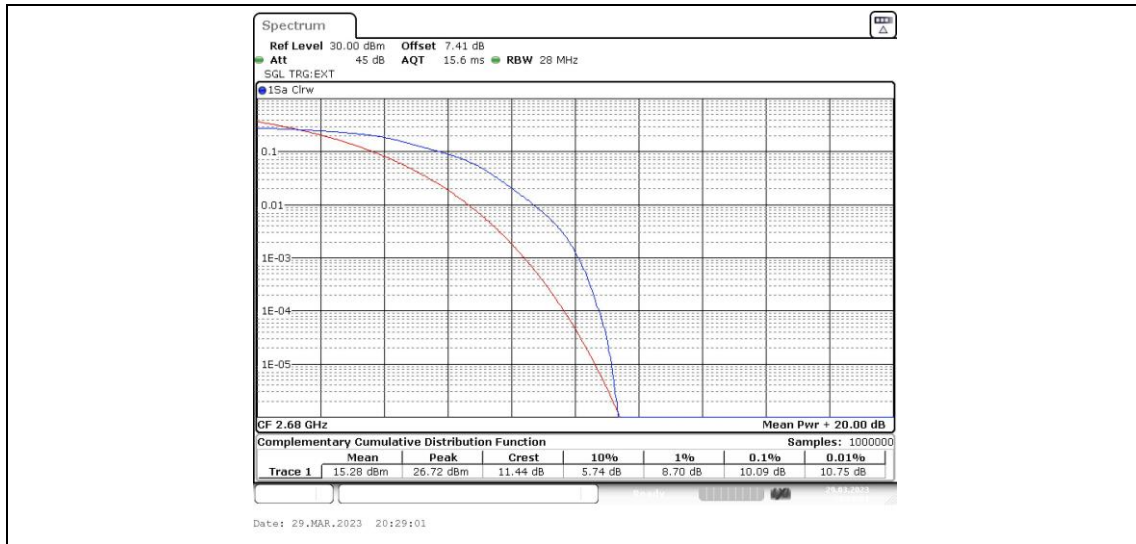
Band41-20MHz-16QAM-40620-100RB#0



Band41-20MHz-16QAM-41490-1RB#0



Band41-20MHz-16QAM-41490-100RB#0

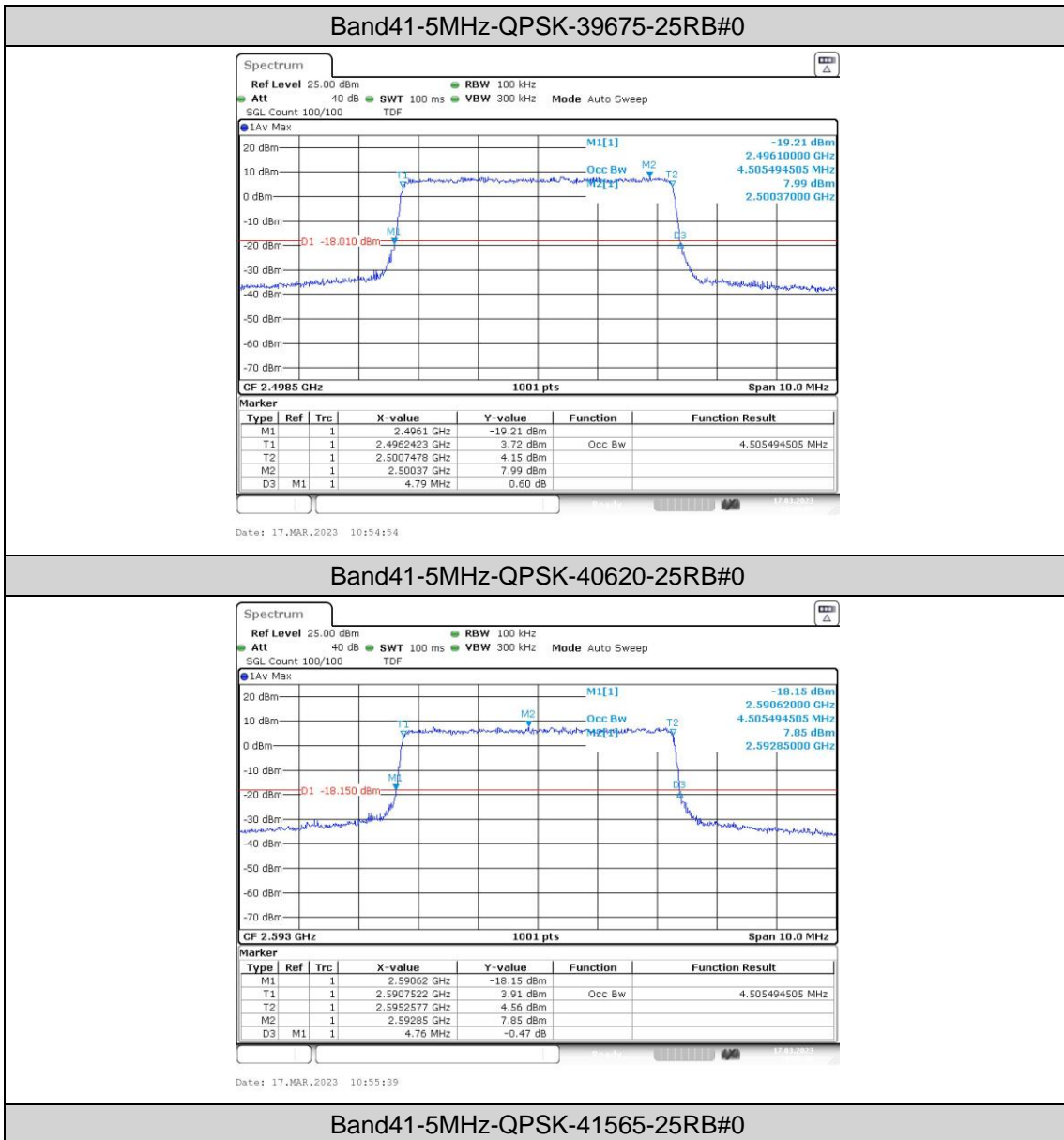


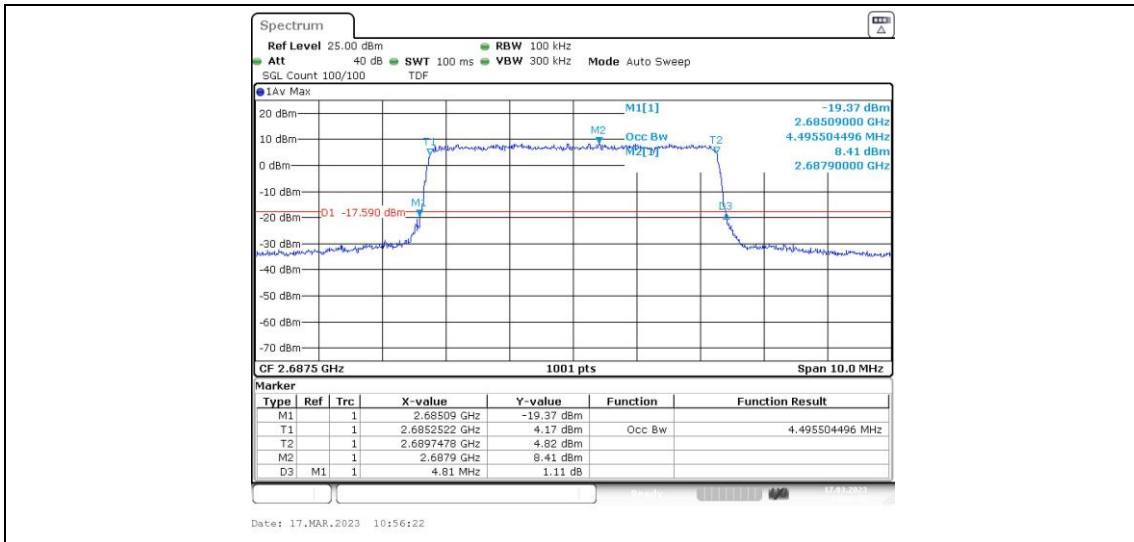
Appendix C: 26dB Bandwidth and Occupied Bandwidth

Test Result

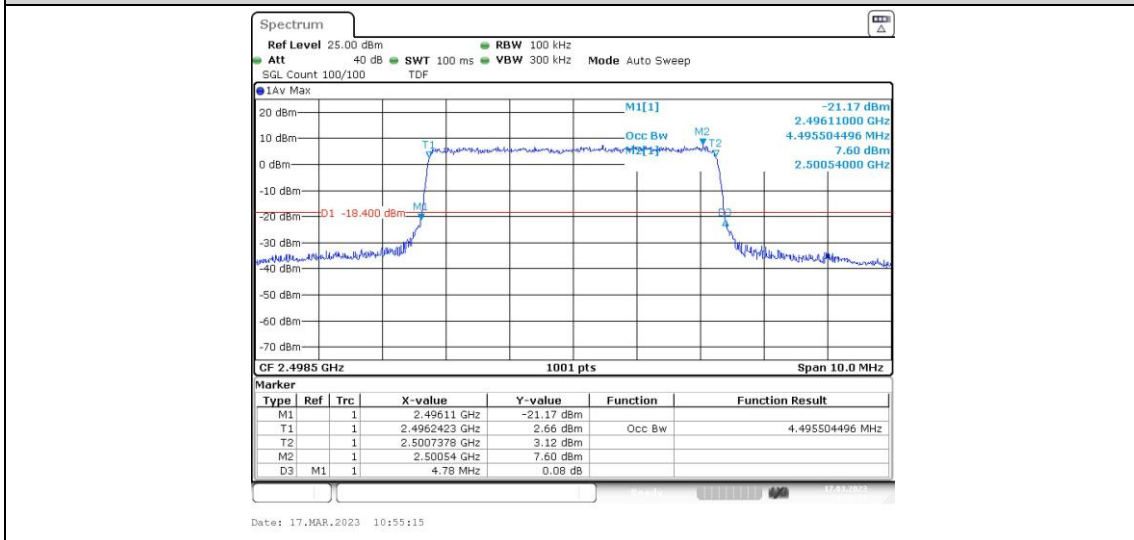
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band41	5MHz	QPSK	39675	25RB#0	4.505	4.79	PASS
Band41	5MHz	QPSK	40620	25RB#0	4.505	4.76	PASS
Band41	5MHz	QPSK	41565	25RB#0	4.496	4.81	PASS
Band41	5MHz	16QAM	39675	25RB#0	4.496	4.78	PASS
Band41	5MHz	16QAM	40620	25RB#0	4.505	4.78	PASS
Band41	5MHz	16QAM	41565	25RB#0	4.486	4.78	PASS
Band41	10MHz	QPSK	39700	50RB#0	8.952	9.53	PASS
Band41	10MHz	QPSK	40620	50RB#0	8.985	9.53	PASS
Band41	10MHz	QPSK	41540	50RB#0	8.985	9.53	PASS
Band41	10MHz	16QAM	39700	50RB#0	8.985	9.53	PASS
Band41	10MHz	16QAM	40620	50RB#0	8.985	9.53	PASS
Band41	10MHz	16QAM	41540	50RB#0	8.985	9.53	PASS
Band41	15MHz	QPSK	39725	75RB#0	13.478	14.30	PASS
Band41	15MHz	QPSK	40620	75RB#0	13.478	14.30	PASS
Band41	15MHz	QPSK	41515	75RB#0	13.478	14.30	PASS
Band41	15MHz	16QAM	39725	75RB#0	13.428	14.30	PASS
Band41	15MHz	16QAM	40620	75RB#0	13.478	14.30	PASS
Band41	15MHz	16QAM	41515	75RB#0	13.478	14.30	PASS
Band41	20MHz	QPSK	39750	100RB#0	17.97	19.33	PASS
Band41	20MHz	QPSK	40620	100RB#0	17.97	19.33	PASS
Band41	20MHz	QPSK	41490	100RB#0	17.97	19.33	PASS
Band41	20MHz	16QAM	39750	100RB#0	17.97	19.33	PASS
Band41	20MHz	16QAM	40620	100RB#0	17.97	19.33	PASS
Band41	20MHz	16QAM	41490	100RB#0	17.97	19.33	PASS

Test Graphs

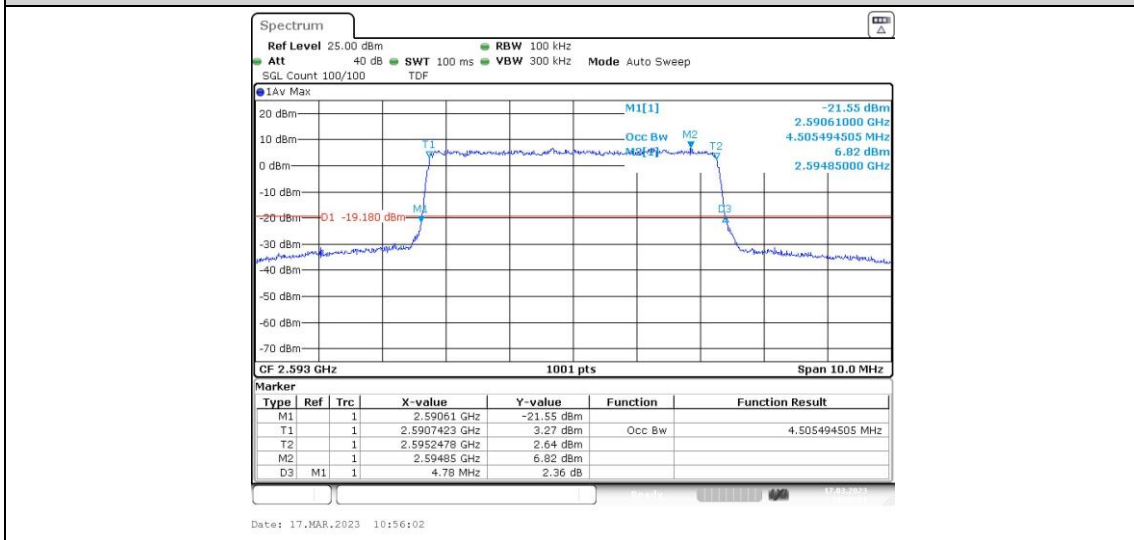




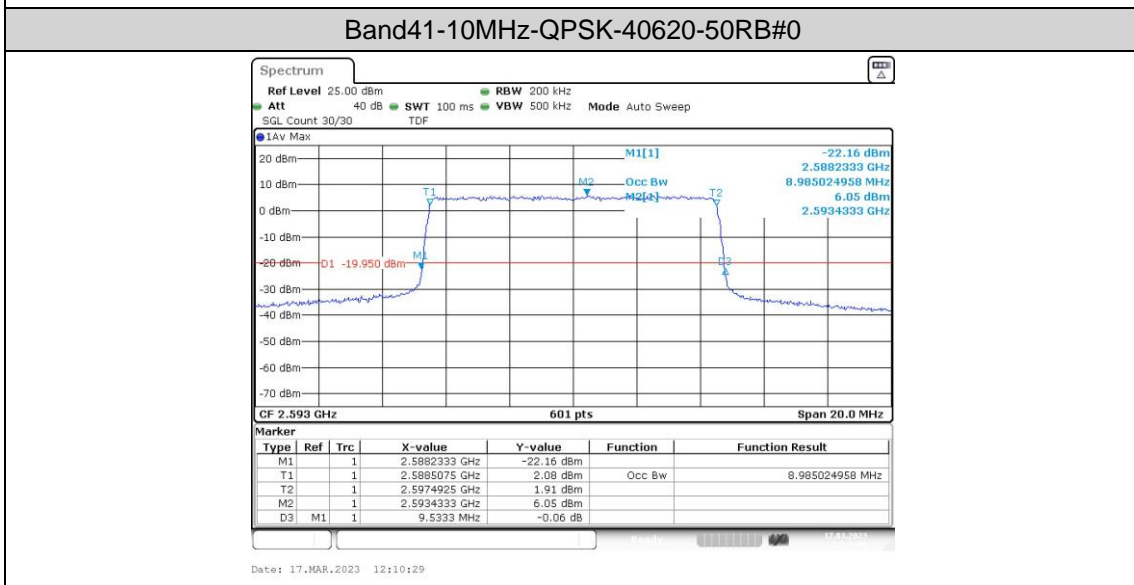
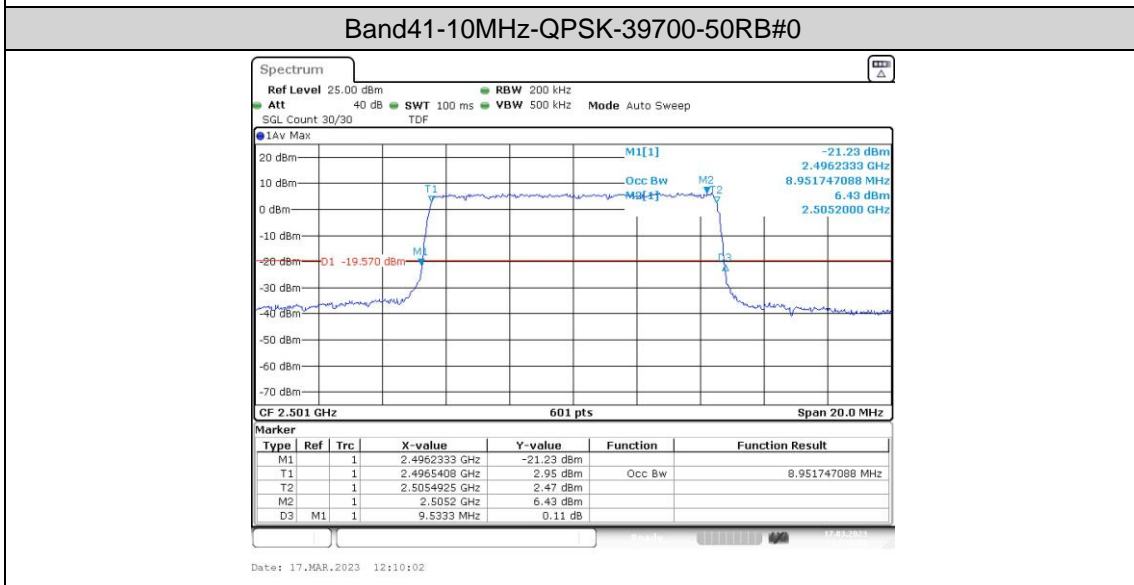
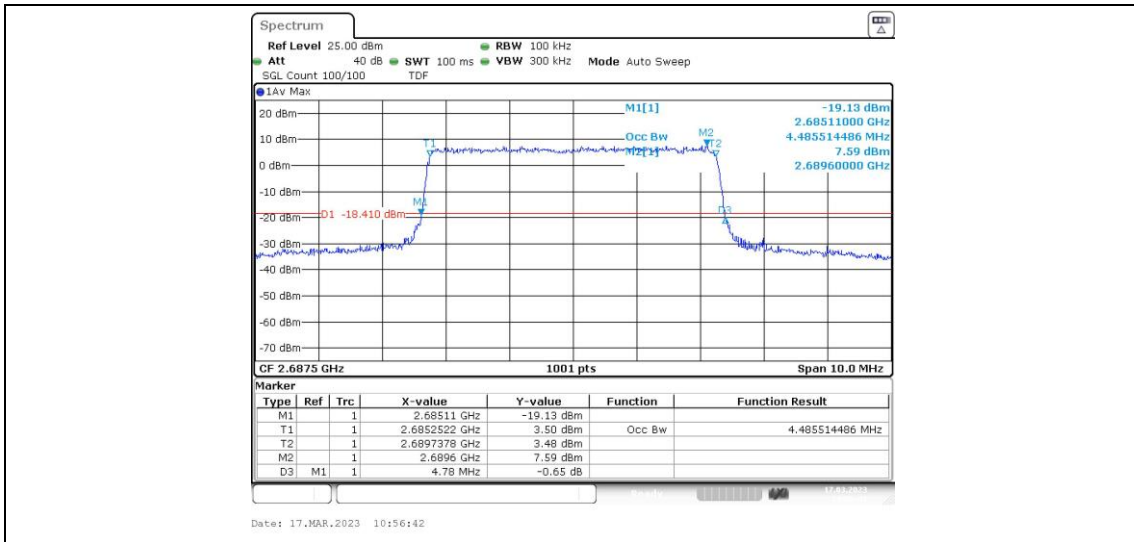
Band41-5MHz-16QAM-39675-25RB#0

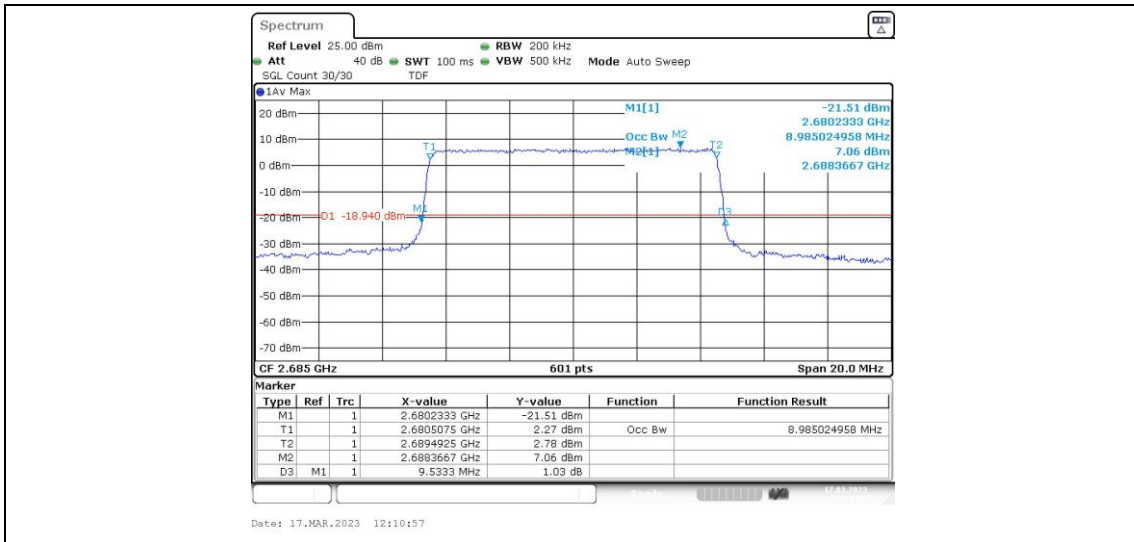


Band41-5MHz-16QAM-40620-25RB#0

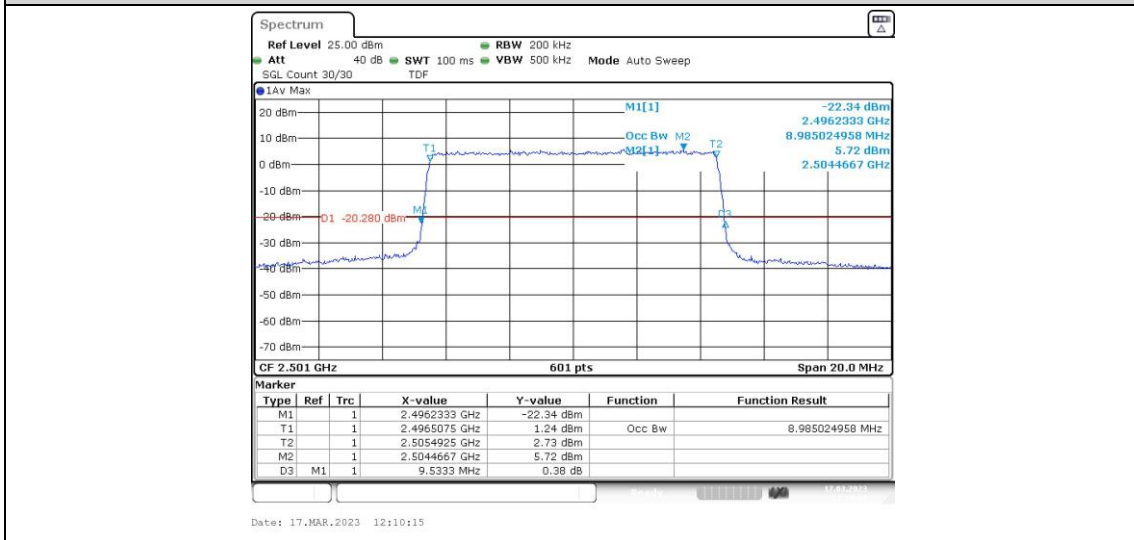


Band41-5MHz-16QAM-41565-25RB#0

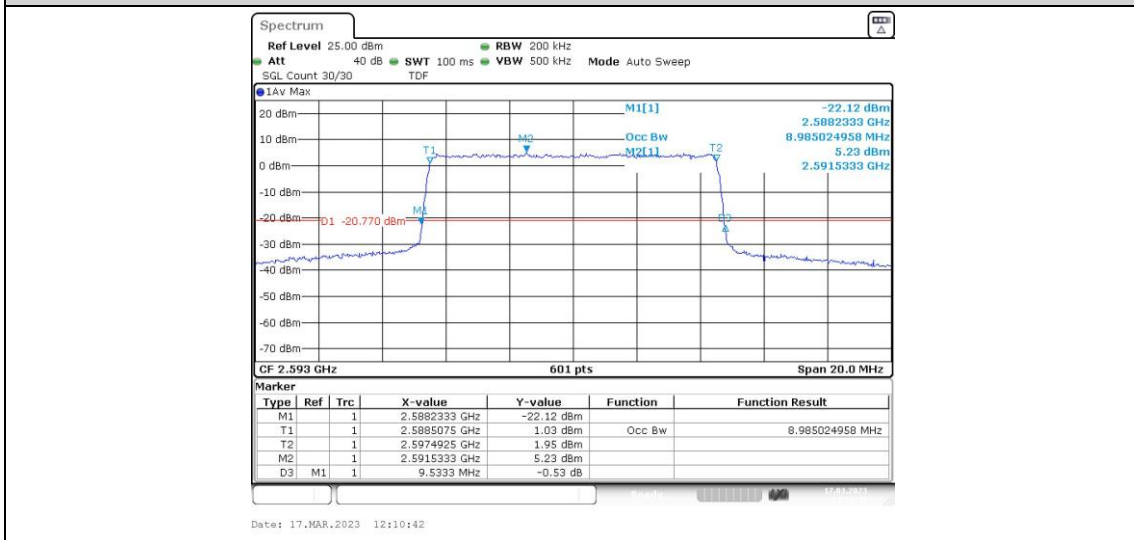




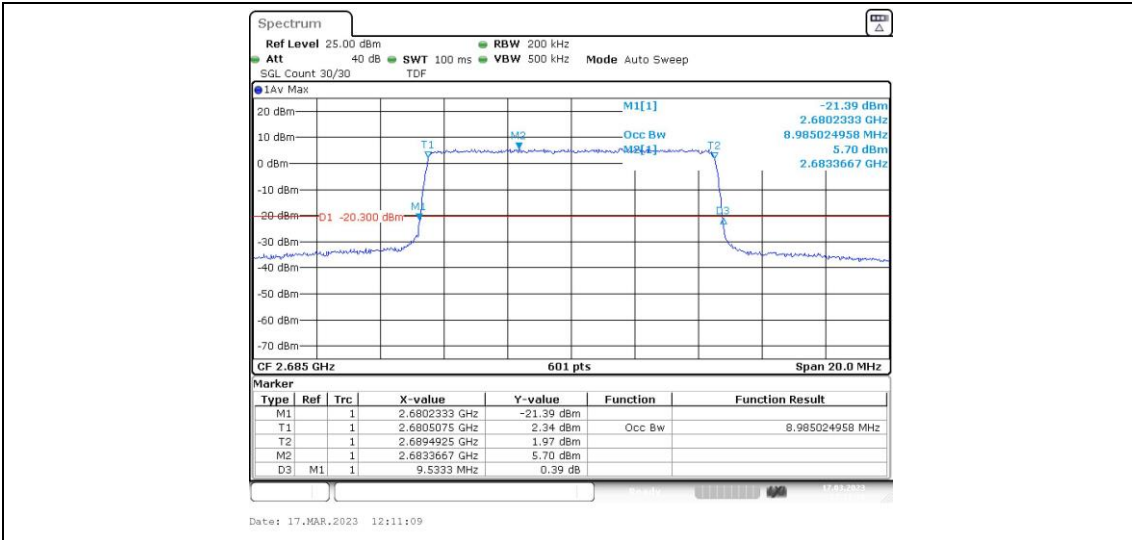
Band41-10MHz-16QAM-39700-50RB#0



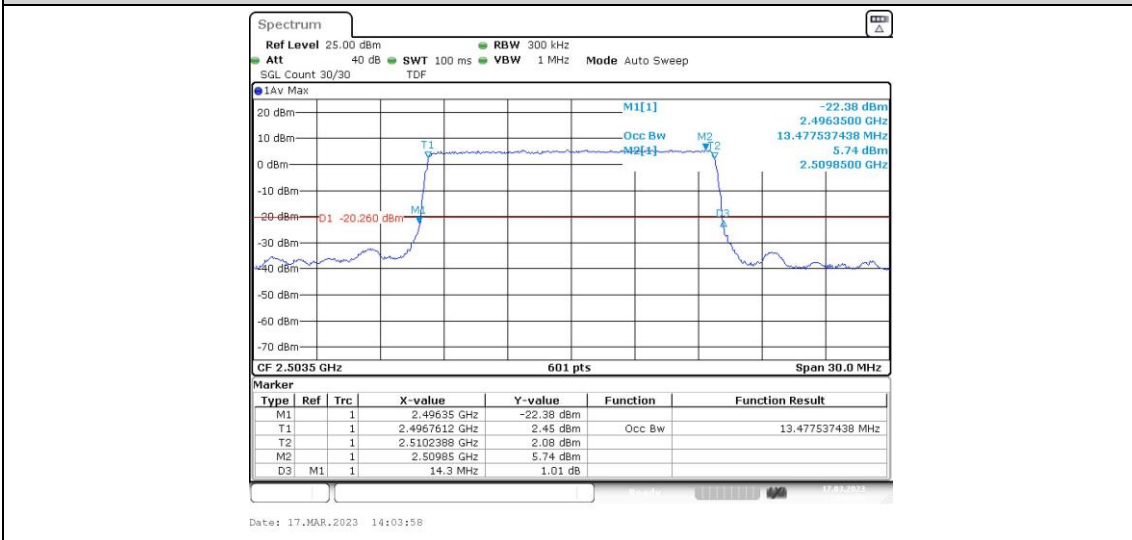
Band41-10MHz-16QAM-40620-50RB#0



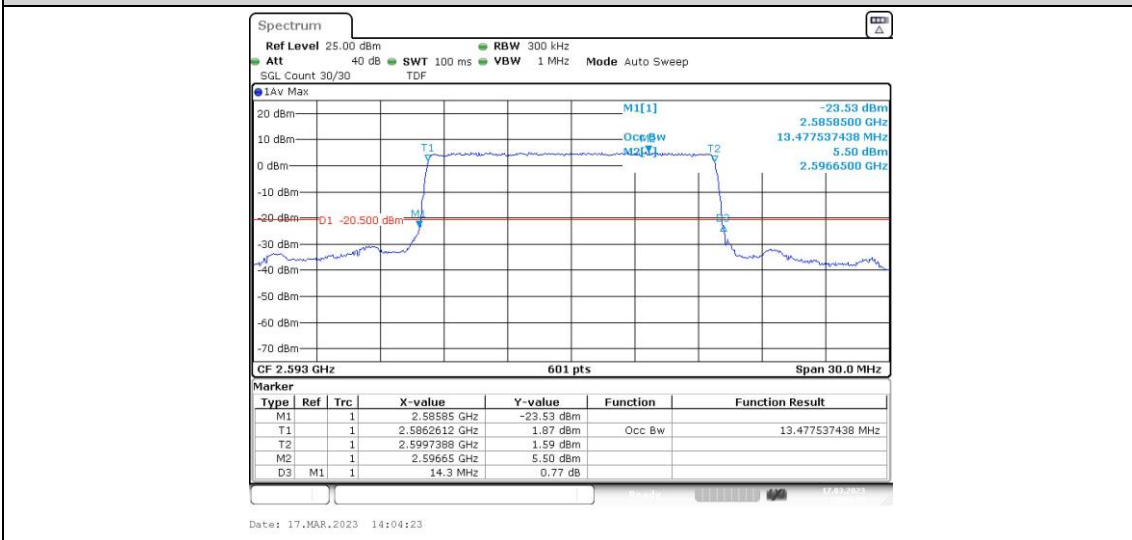
Band41-10MHz-16QAM-41540-50RB#0



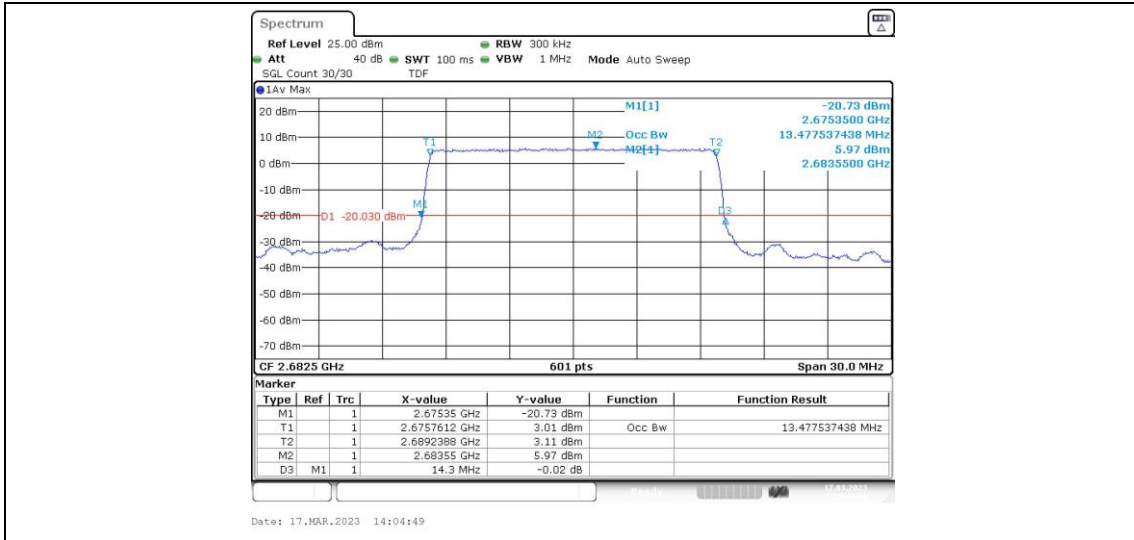
Band41-15MHz-QPSK-39725-75RB#0



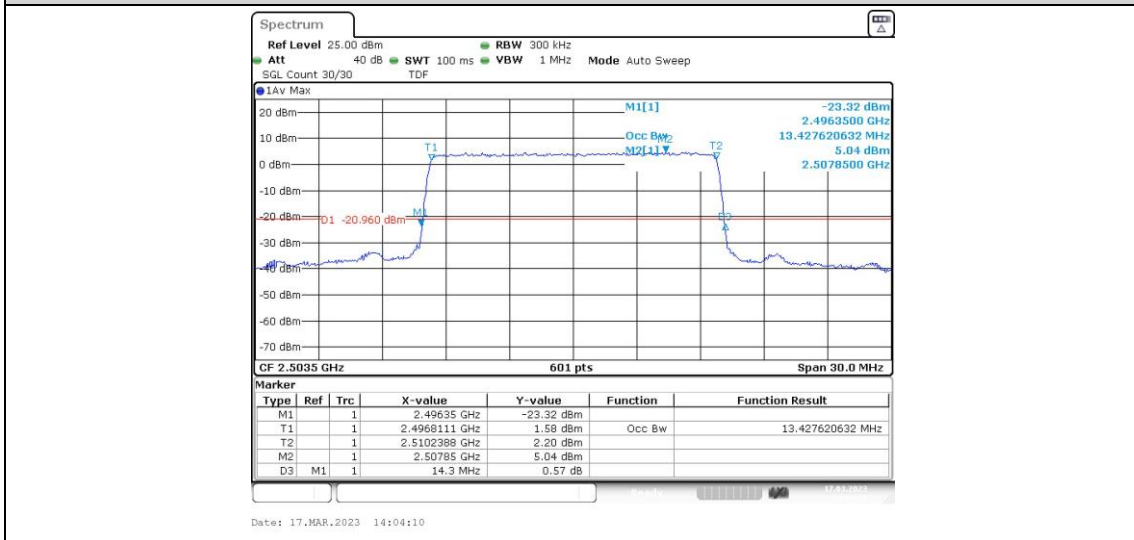
Band41-15MHz-QPSK-40620-75RB#0



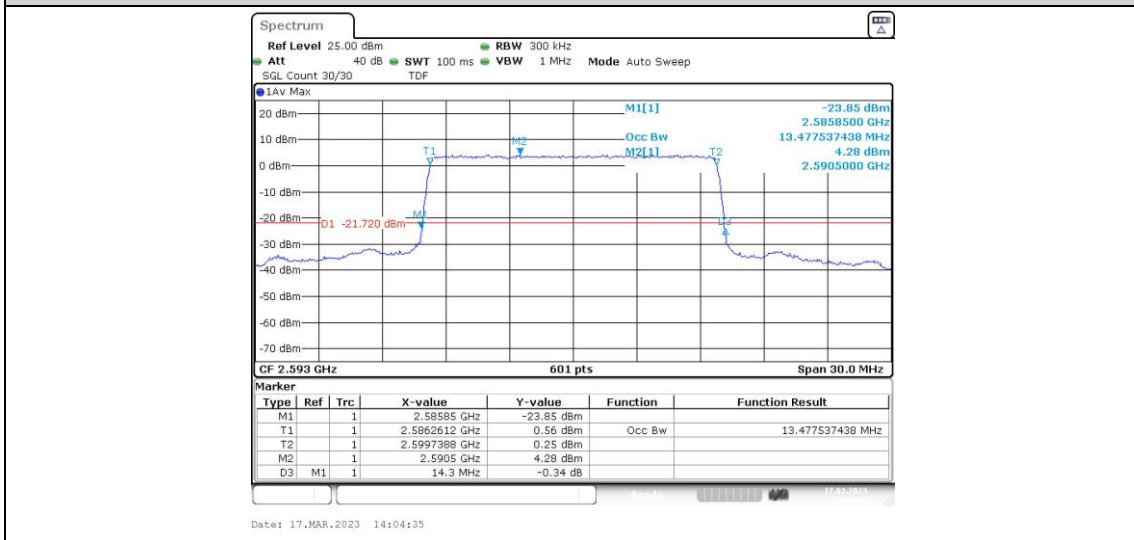
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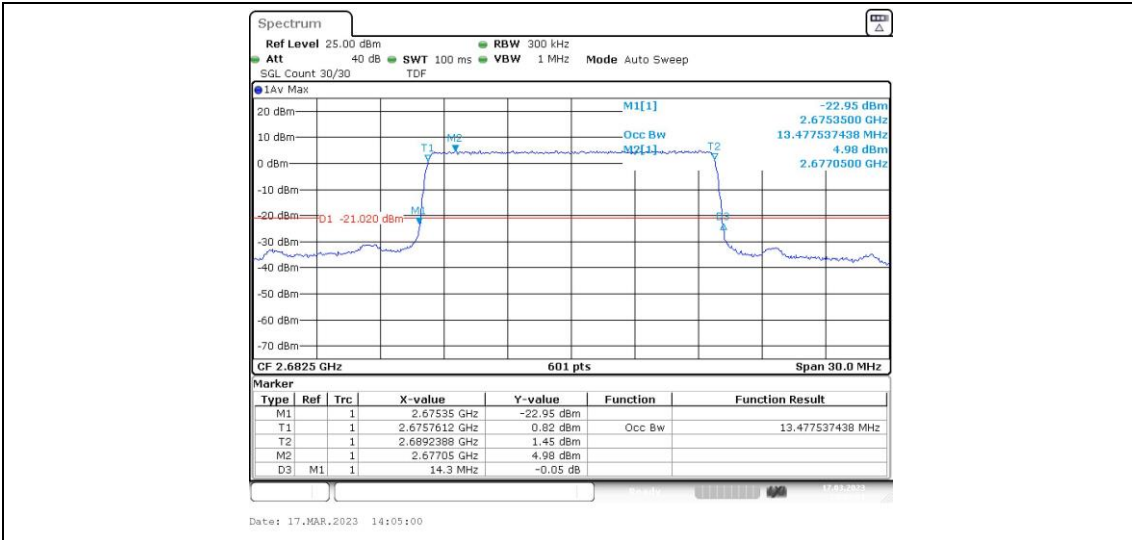
Band41-15MHz-16QAM-39725-75RB#0



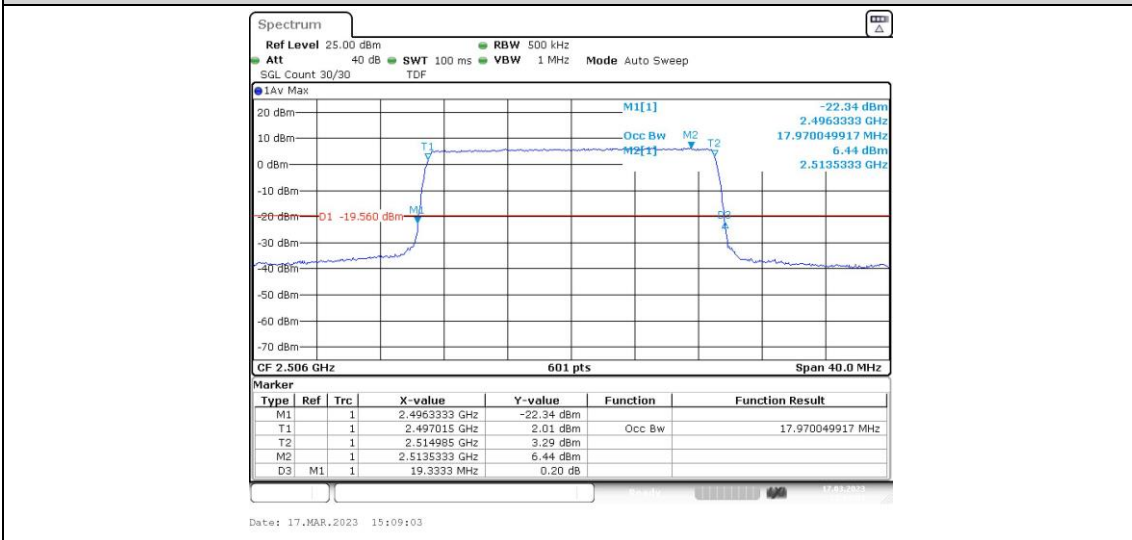
Band41-15MHz-16QAM-40620-75RB#0



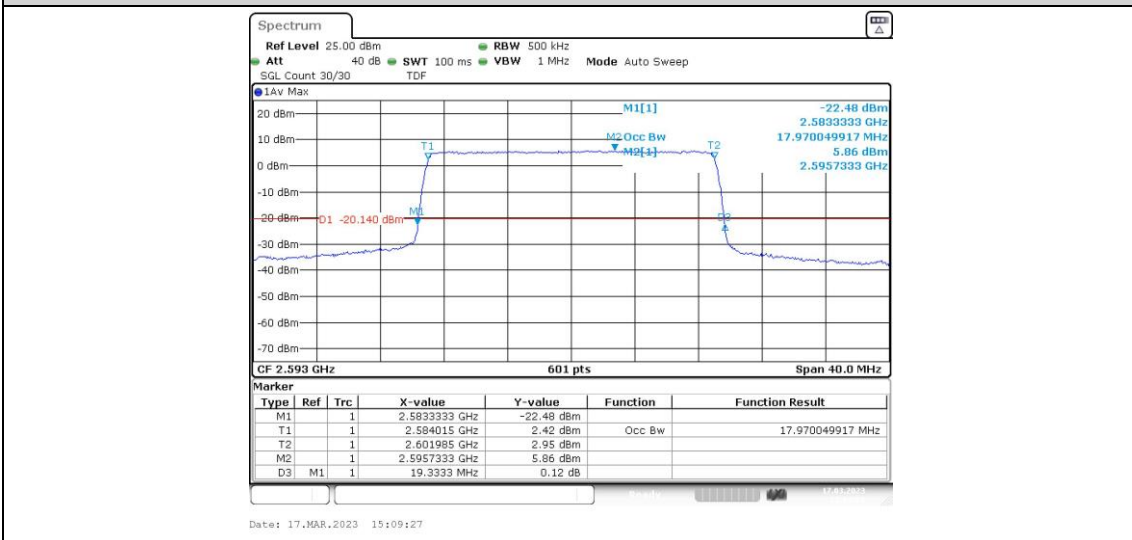
Band41-15MHz-16QAM-41515-75RB#0



Band41-20MHz-QPSK-39750-100RB#0



Band41-20MHz-QPSK-40620-100RB#0



Band41-20MHz-QPSK-41490-100RB#0