

Appendix for WCDMA Band 5

Product Name: 5G Indoor CPE

Model No: TITAN 5000

Appendix A: Average Power Output Data

Test Result

Band	Channel	Power(dBm)	Limit(dBm)	Verdict
Band5	4132	24.13	38.45	PASS
Band5	4182	23.93	38.45	PASS
Band5	4233	23.85	38.45	PASS

Band	Channel	SubTest	Power(dBm)	Limit(dBm)	Verdict
Band5	4132	1	23.10	38.5	PASS
Band5	4182	1	22.84	38.5	PASS
Band5	4233	1	22.84	38.5	PASS
Band5	4132	2	22.61	38.5	PASS
Band5	4182	2	22.36	38.5	PASS
Band5	4233	2	22.34	38.5	PASS
Band5	4132	3	22.60	38.5	PASS
Band5	4182	3	22.34	38.5	PASS
Band5	4233	3	22.37	38.5	PASS
Band5	4132	4	22.61	38.5	PASS
Band5	4182	4	22.34	38.5	PASS
Band5	4233	4	22.30	38.5	PASS

Band	Channel	SubTest	Power(dBm)	Limit(dBm)	Verdict
Band5	4132	1	23.10	38.5	PASS
Band5	4182	1	22.91	38.5	PASS
Band5	4233	1	22.79	38.5	PASS
Band5	4132	2	21.14	38.5	PASS
Band5	4182	2	20.91	38.5	PASS
Band5	4233	2	20.85	38.5	PASS
Band5	4132	3	22.08	38.5	PASS
Band5	4182	3	21.91	38.5	PASS
Band5	4233	3	21.86	38.5	PASS
Band5	4132	4	21.13	38.5	PASS
Band5	4182	4	20.84	38.5	PASS
Band5	4233	4	20.85	38.5	PASS
Band5	4132	5	23.14	38.5	PASS
Band5	4182	5	22.85	38.5	PASS
Band5	4233	5	22.83	38.5	PASS

Appendix B:Peak-to-Average Ratio

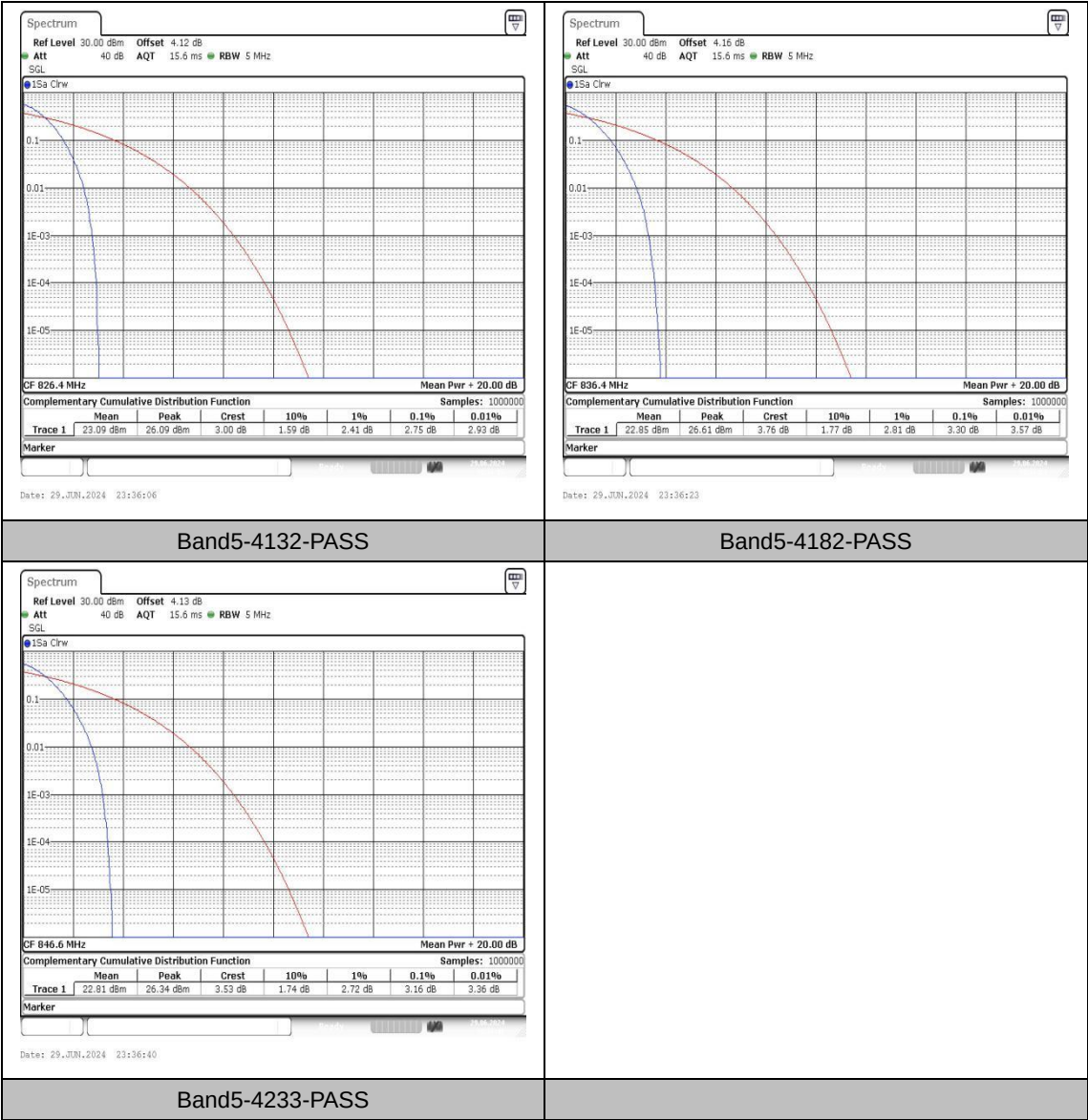
Test Result

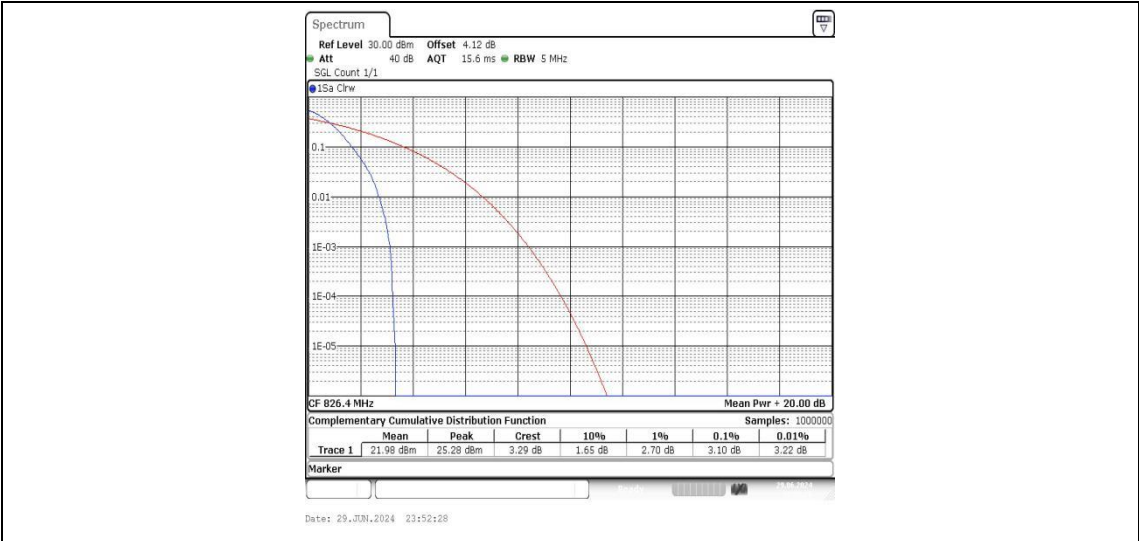
Band	Channel	Peak-to-Average Ratio(dB)	Limit(dB)	Verdict
Band5	4132	2.75	13	PASS
Band5	4182	3.3	13	PASS
Band5	4233	3.16	13	PASS

Band	Channel	SubTest	Peak-to-Average Ratio(dB)	Limit(dB)	Verdict
Band5	4132	1	3.1	13	PASS
Band5	4182	1	3.48	13	PASS
Band5	4233	1	3.39	13	PASS
Band5	4132	2	3.3	13	PASS
Band5	4182	2	3.68	13	PASS
Band5	4233	2	3.57	13	PASS
Band5	4132	3	3.42	13	PASS
Band5	4182	3	3.83	13	PASS
Band5	4233	3	3.74	13	PASS
Band5	4132	4	3.48	13	PASS
Band5	4182	4	3.86	13	PASS
Band5	4233	4	3.77	13	PASS

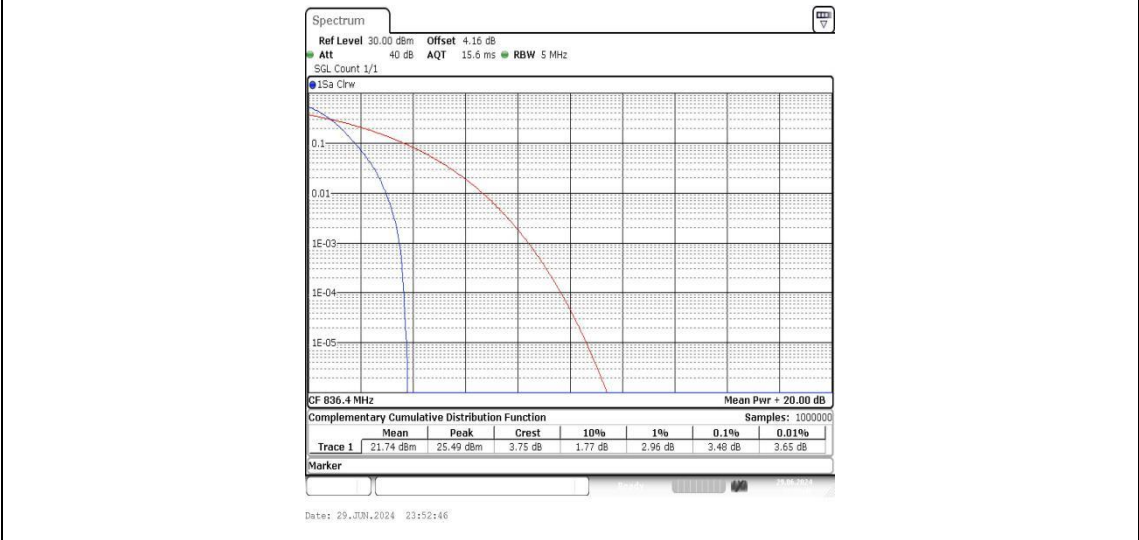
Band	Channel	SubTest	Peak-to-Average Ratio(dB)	Limit(dB)	Verdict
Band5	4132	1	4.03	13	PASS
Band5	4182	1	4.72	13	PASS
Band5	4233	1	4.55	13	PASS
Band5	4132	2	5.16	13	PASS
Band5	4182	2	5.59	13	PASS
Band5	4233	2	5.48	13	PASS
Band5	4132	3	4.87	13	PASS
Band5	4182	3	5.51	13	PASS
Band5	4233	3	5.33	13	PASS
Band5	4132	4	3.39	13	PASS
Band5	4182	4	5.62	13	PASS
Band5	4233	4	5.51	13	PASS
Band5	4132	5	3.88	13	PASS
Band5	4182	5	4.46	13	PASS
Band5	4233	5	4.32	13	PASS

Test Graphs

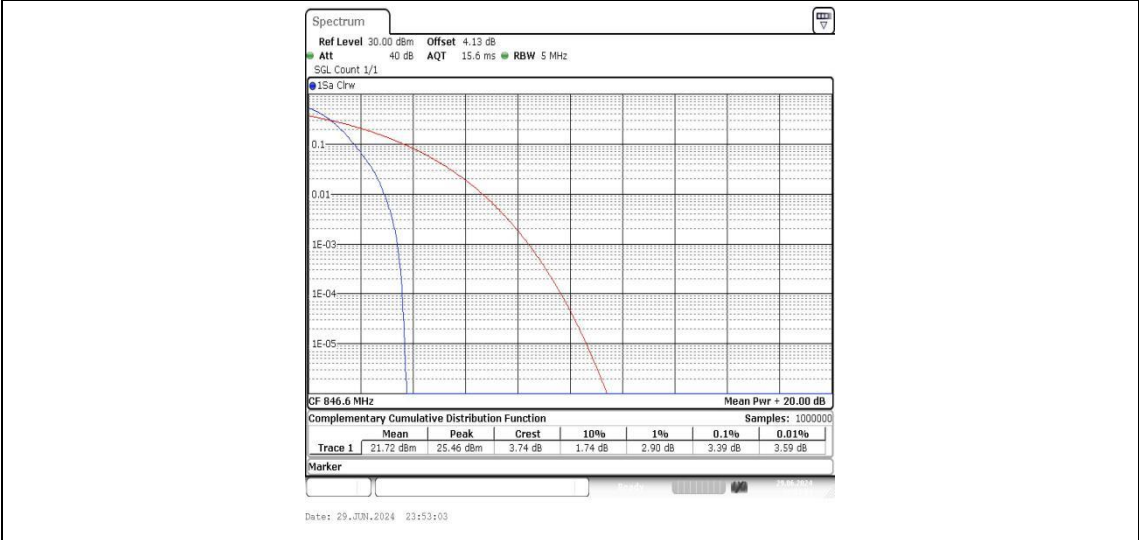




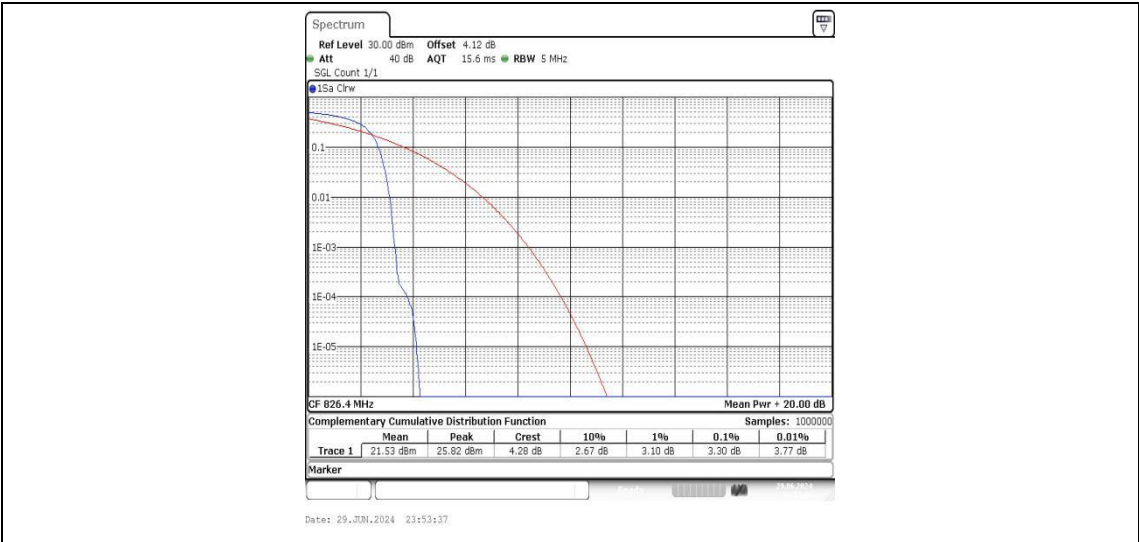
Band5-4132-1-PASS



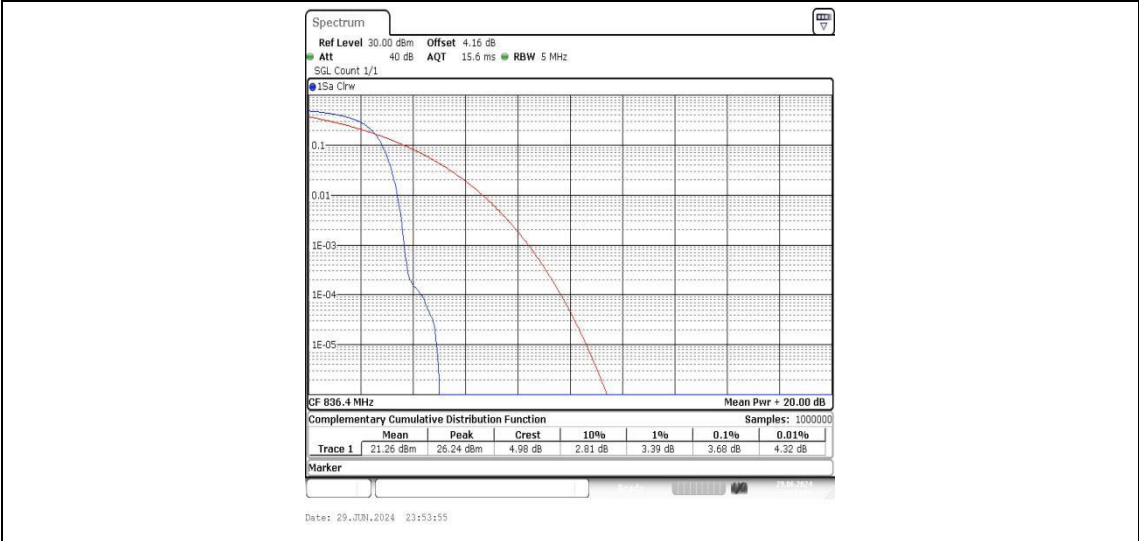
Band5-4182-1-PASS



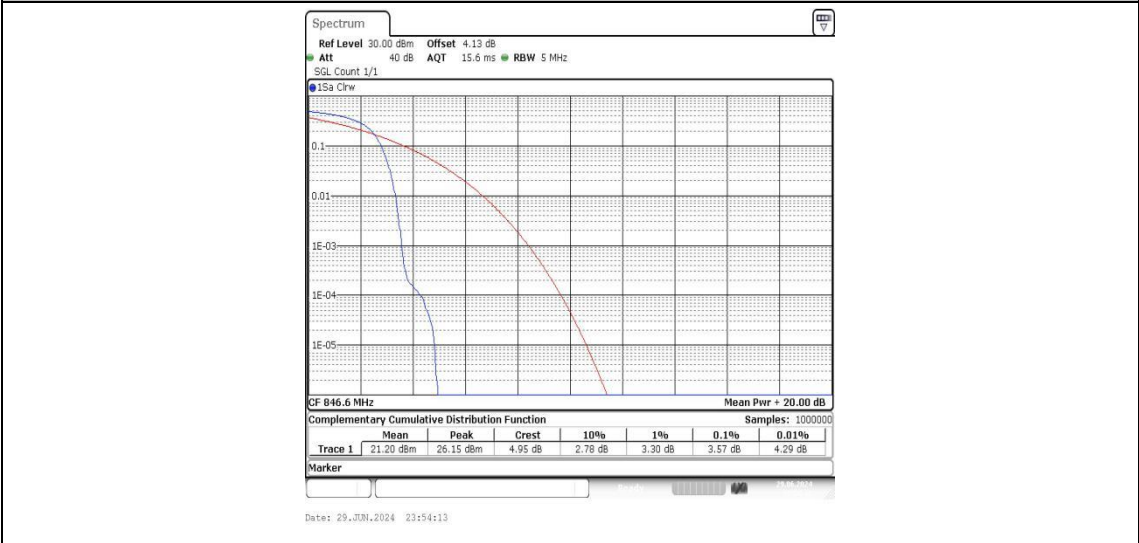
Band5-4233-1-PASS



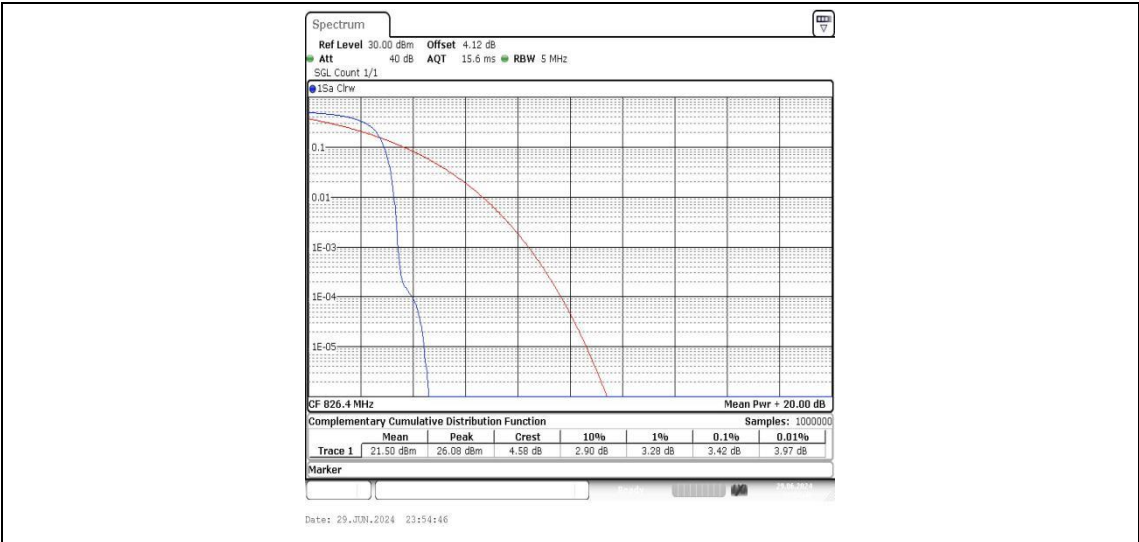
Band5-4132-2-PASS



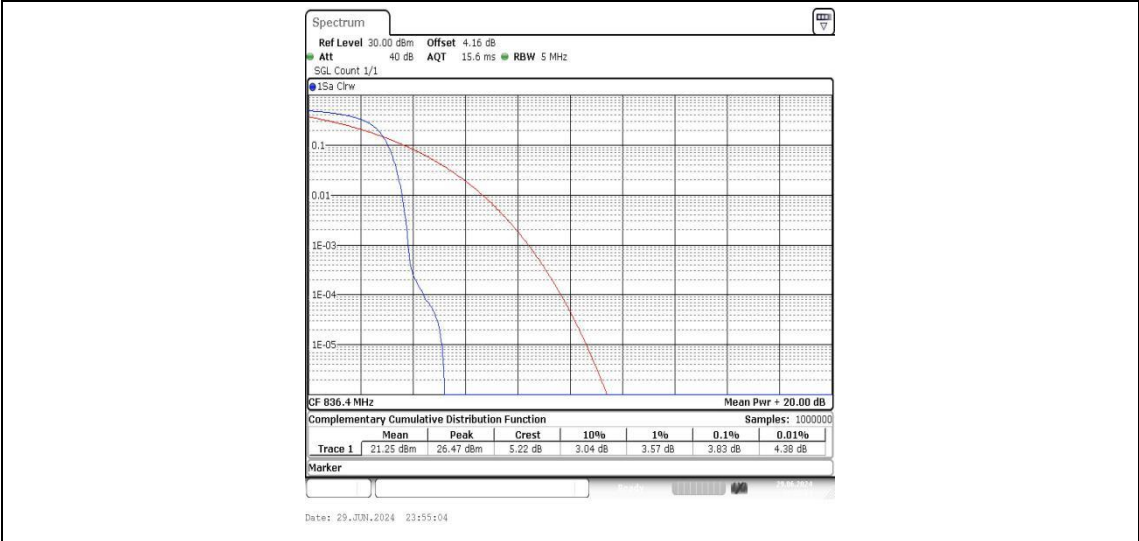
Band5-4182-2-PASS



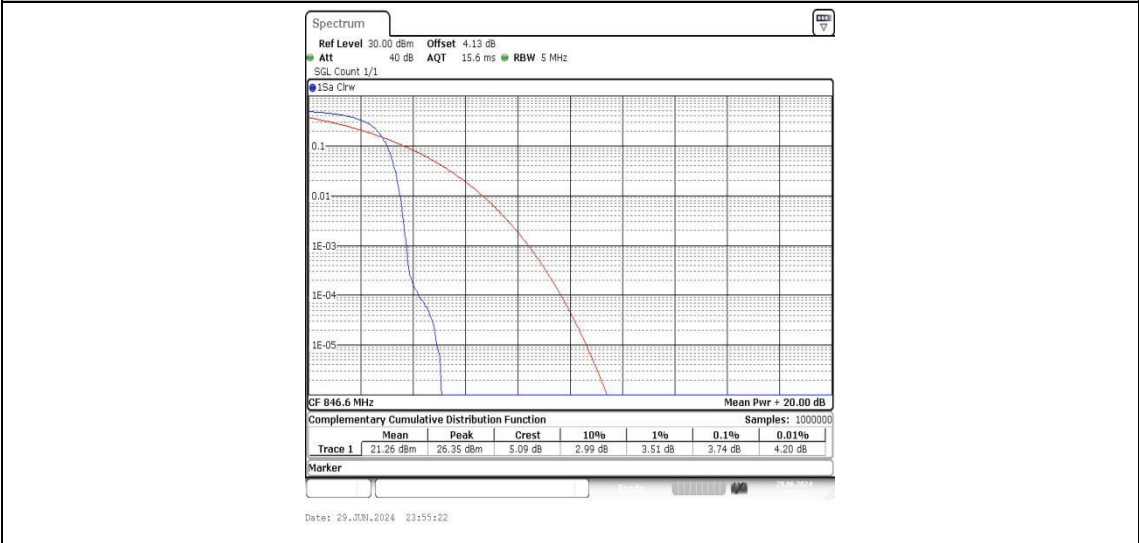
Band5-4233-2-PASS



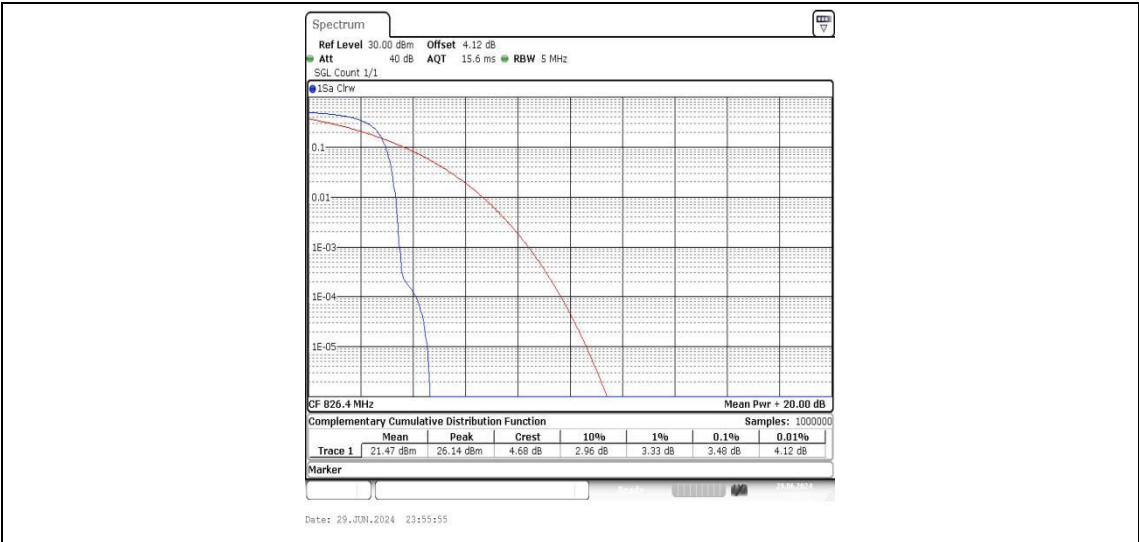
Band5-4132-3-PASS



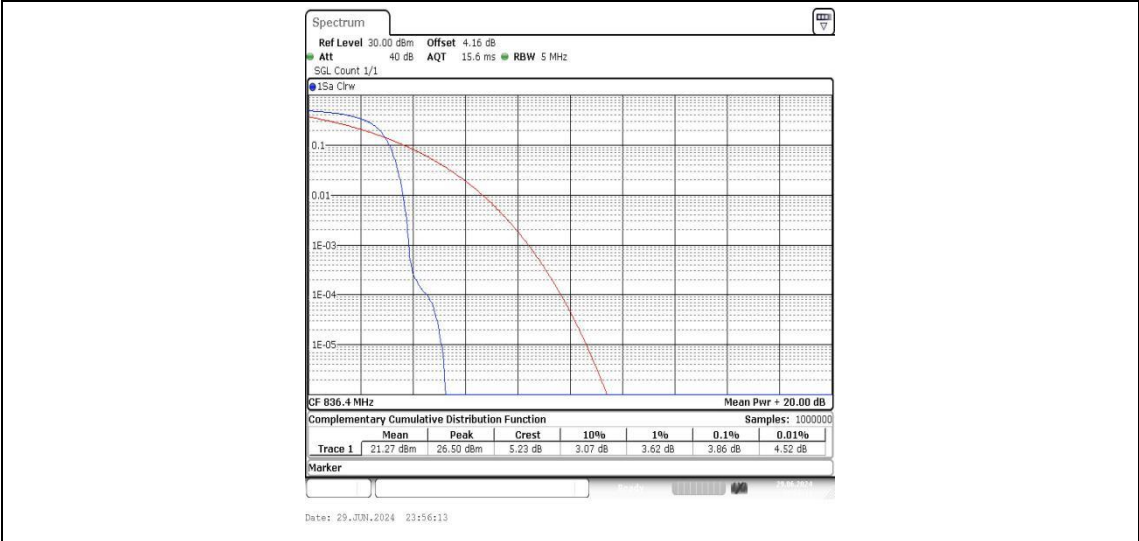
Band5-4182-3-PASS



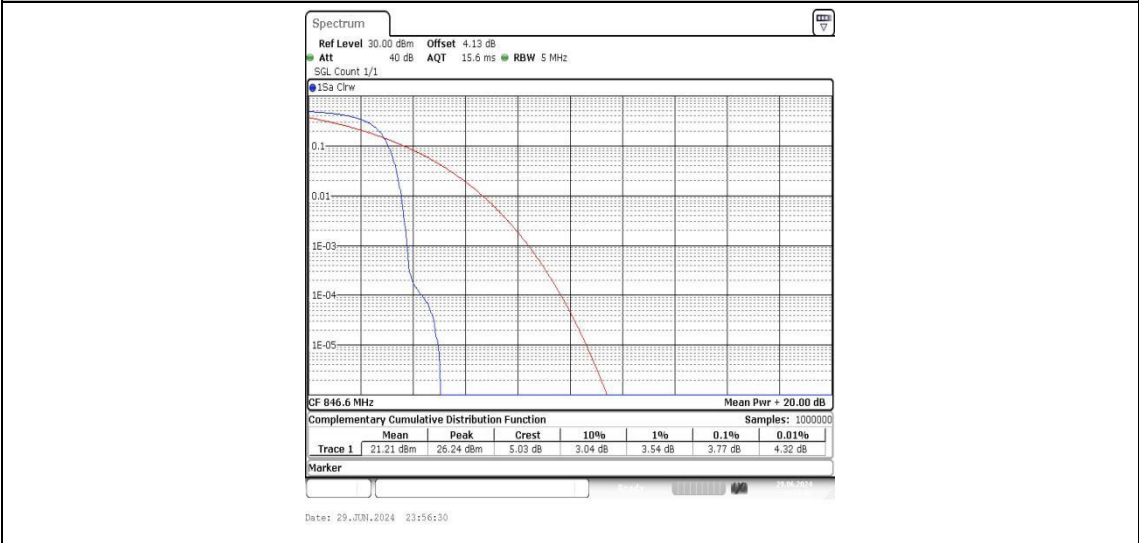
Band5-4233-3-PASS



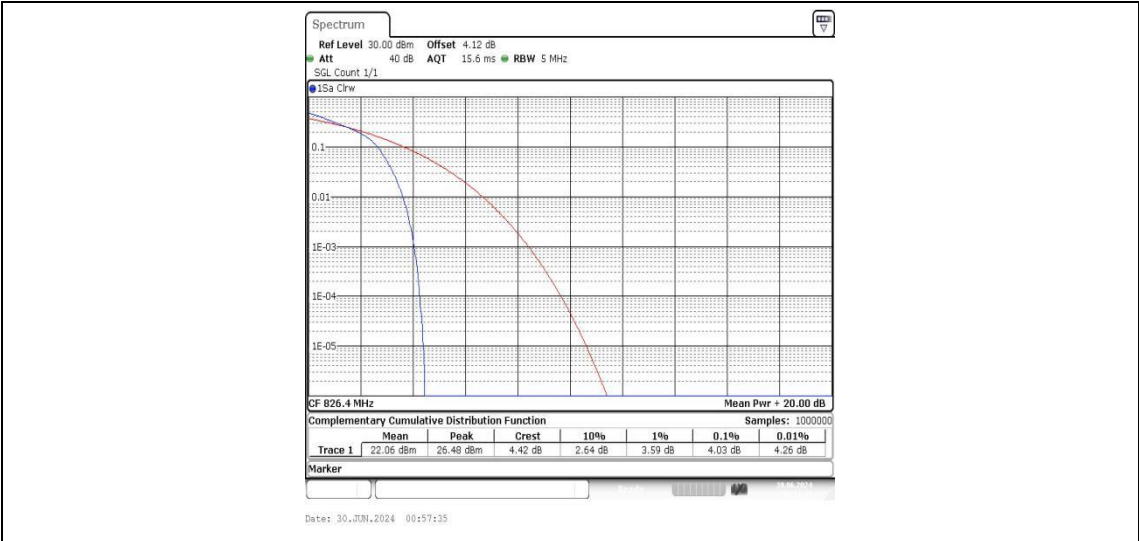
Band5-4132-4-PASS



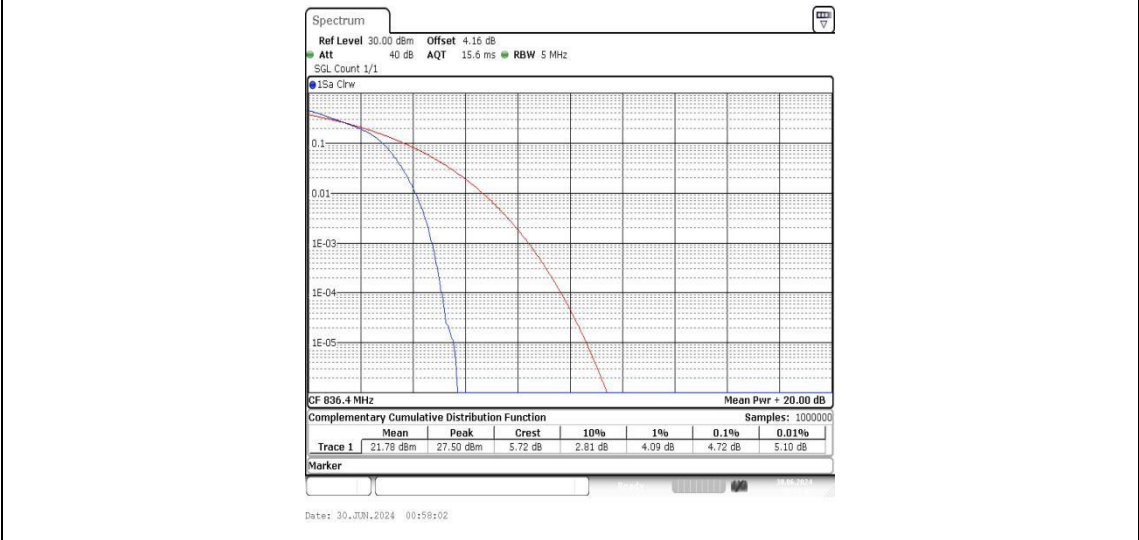
Band5-4182-4-PASS



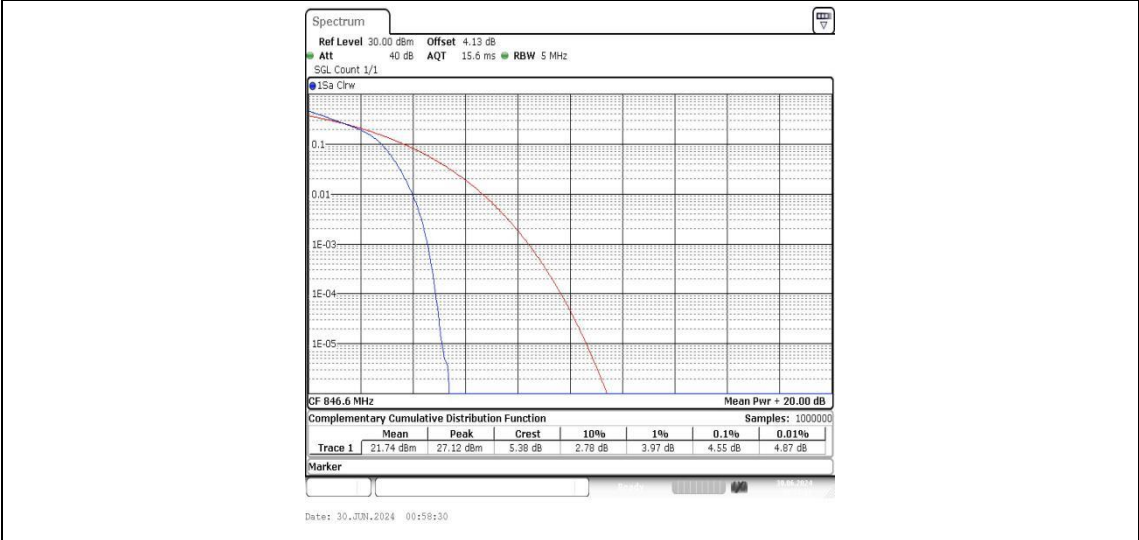
Band5-4233-4-PASS



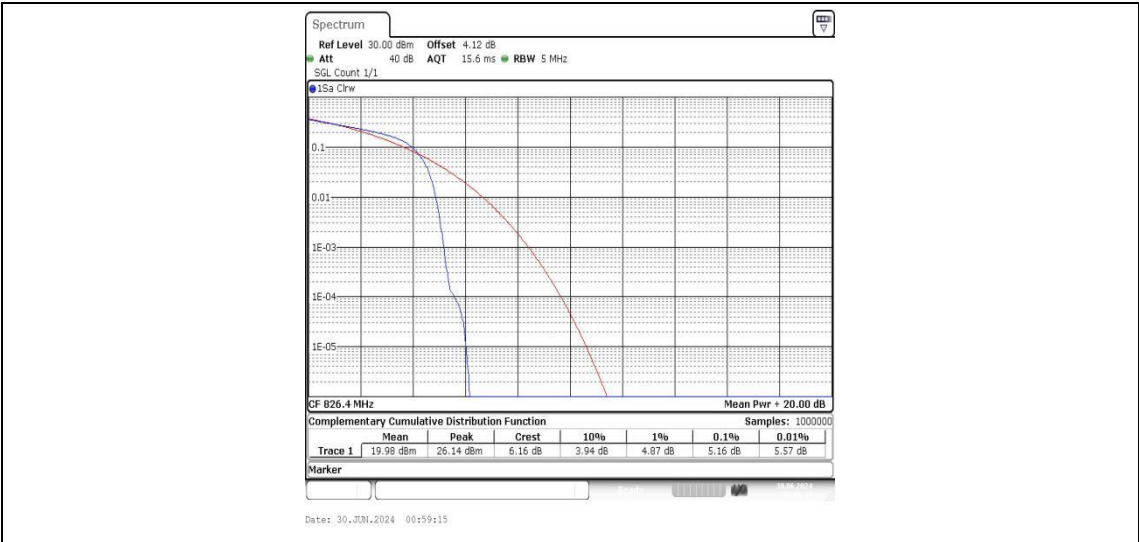
Band5-4132-1-PASS



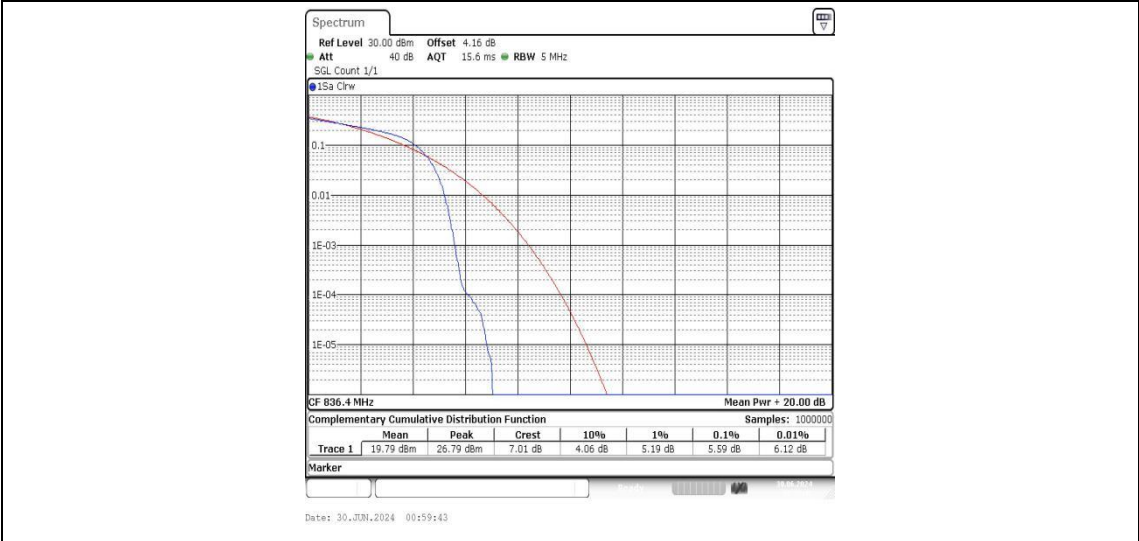
Band5-4182-1-PASS



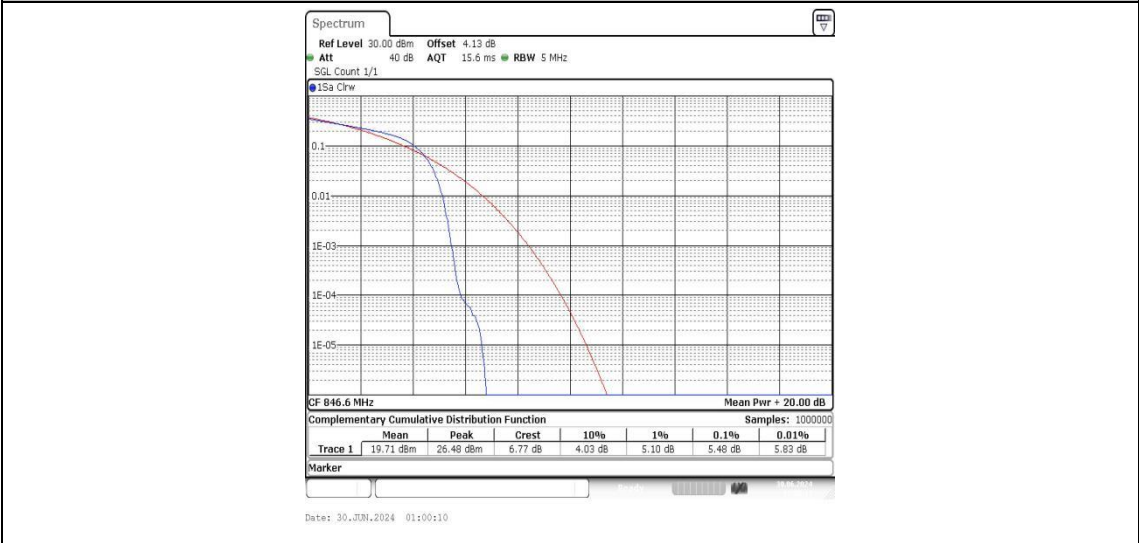
Band5-4233-1-PASS



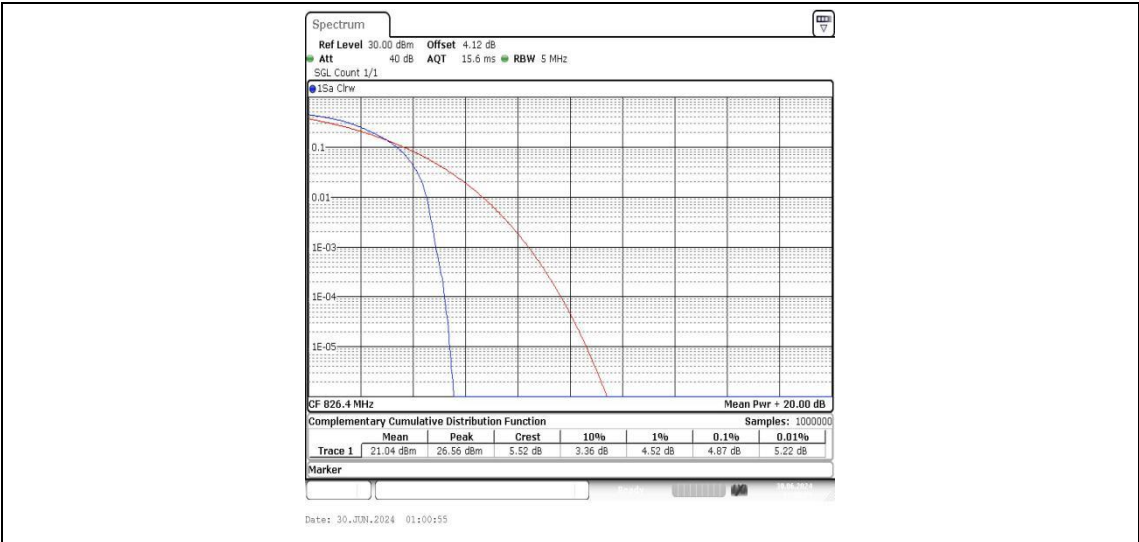
Band5-4132-2-PASS



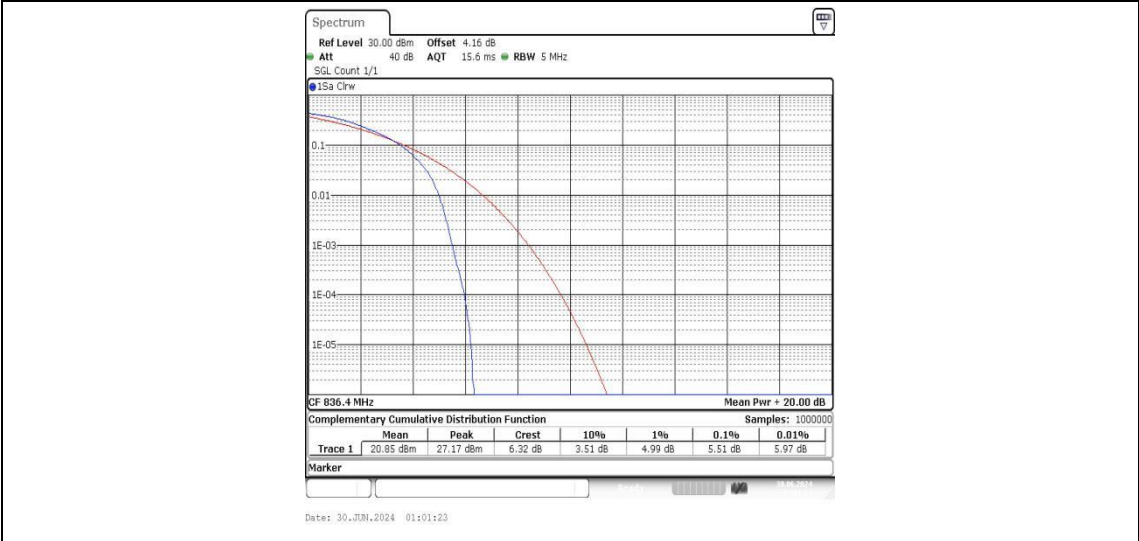
Band5-4182-2-PASS



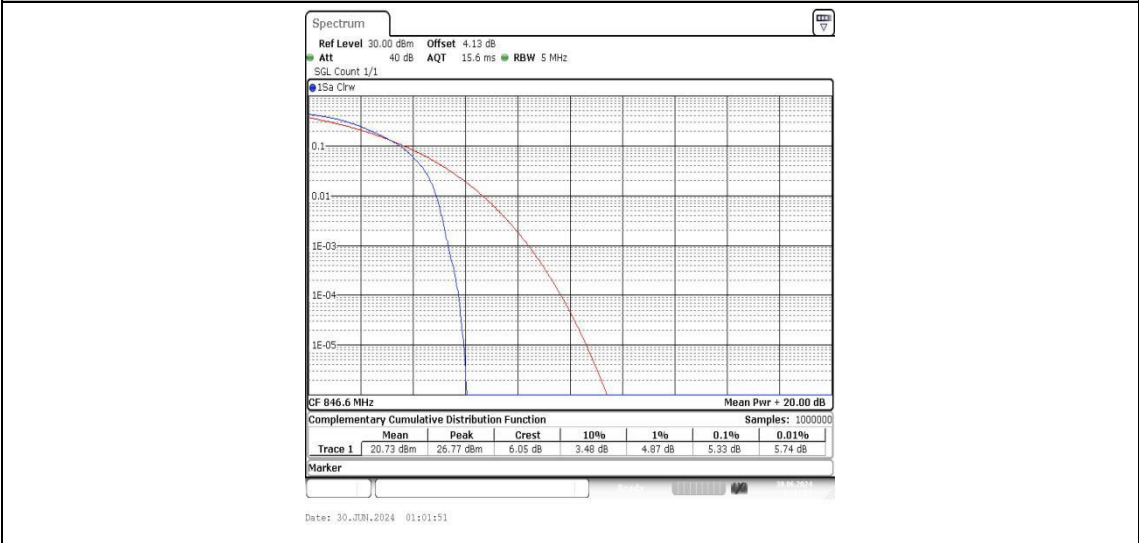
Band5-4233-2-PASS



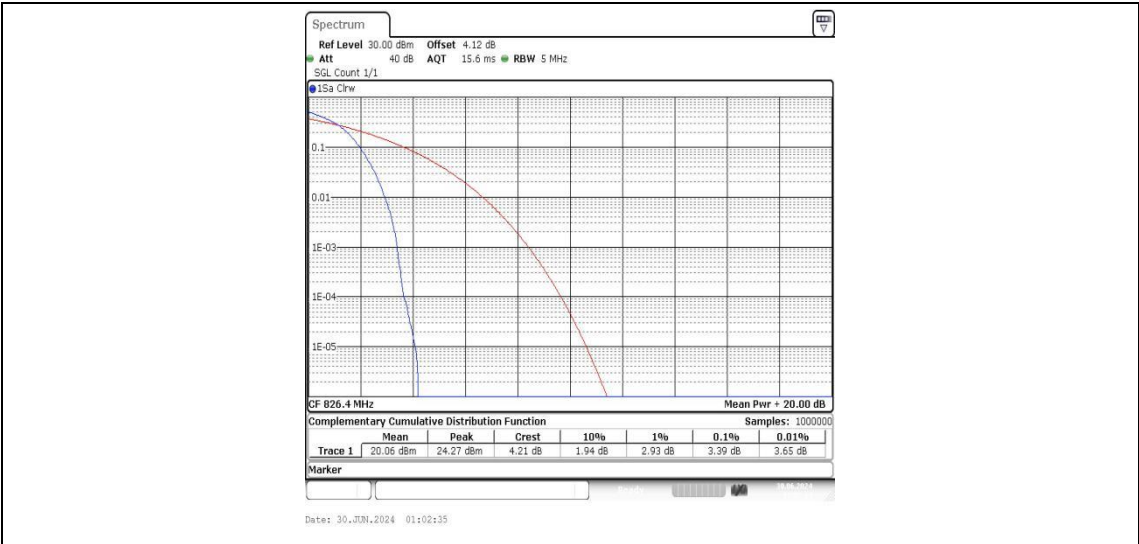
Band5-4132-3-PASS



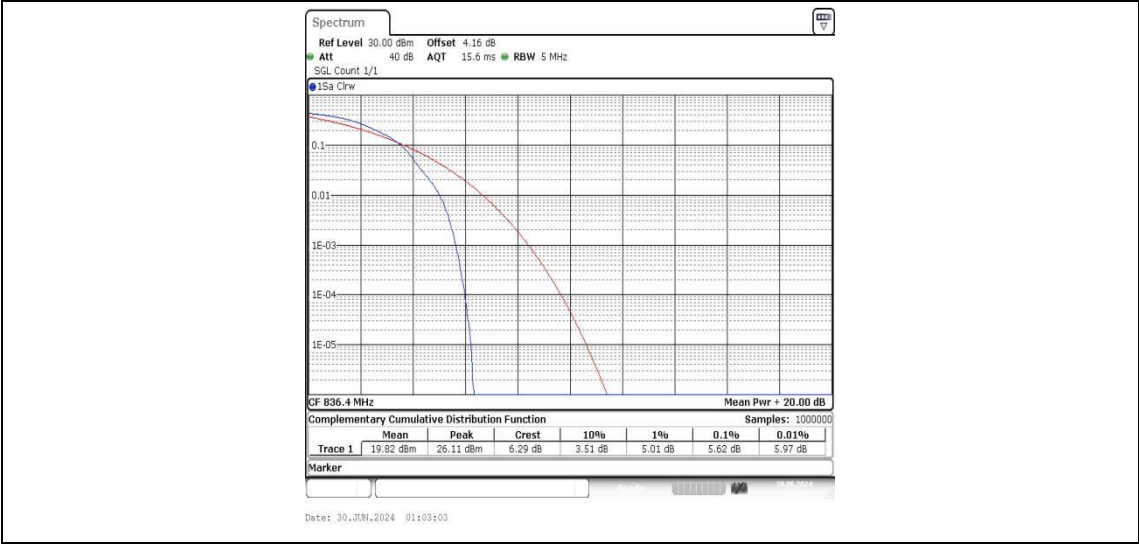
Band5-4182-3-PASS



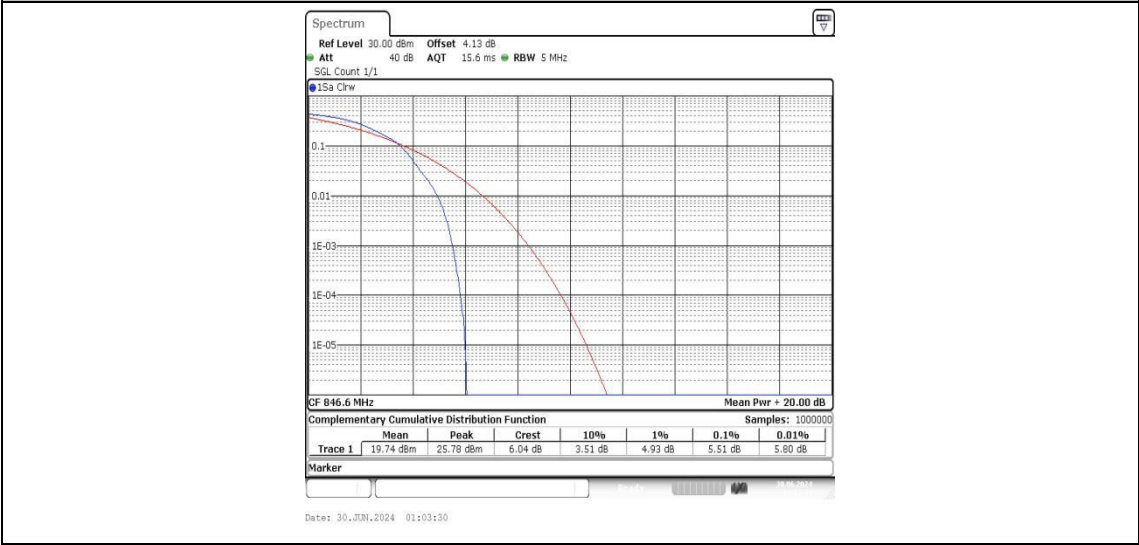
Band5-4233-3-PASS



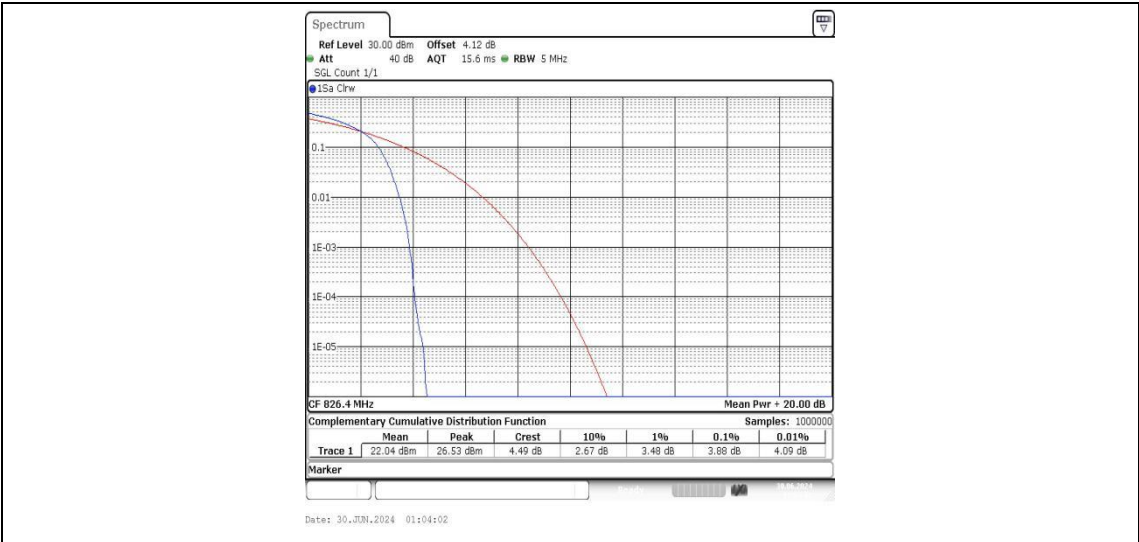
Band5-4132-4-PASS



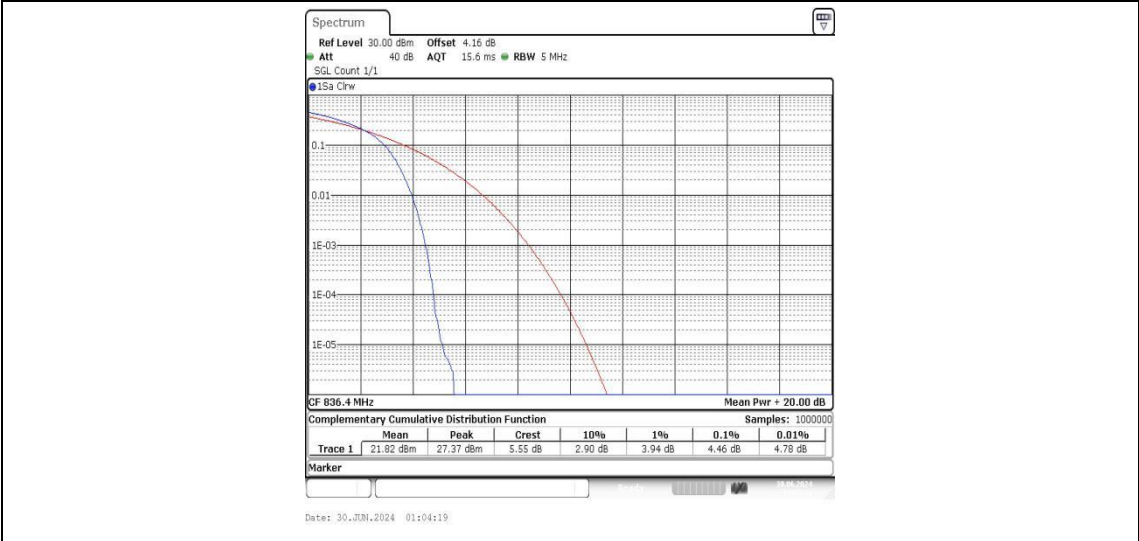
Band5-4182-4-PASS



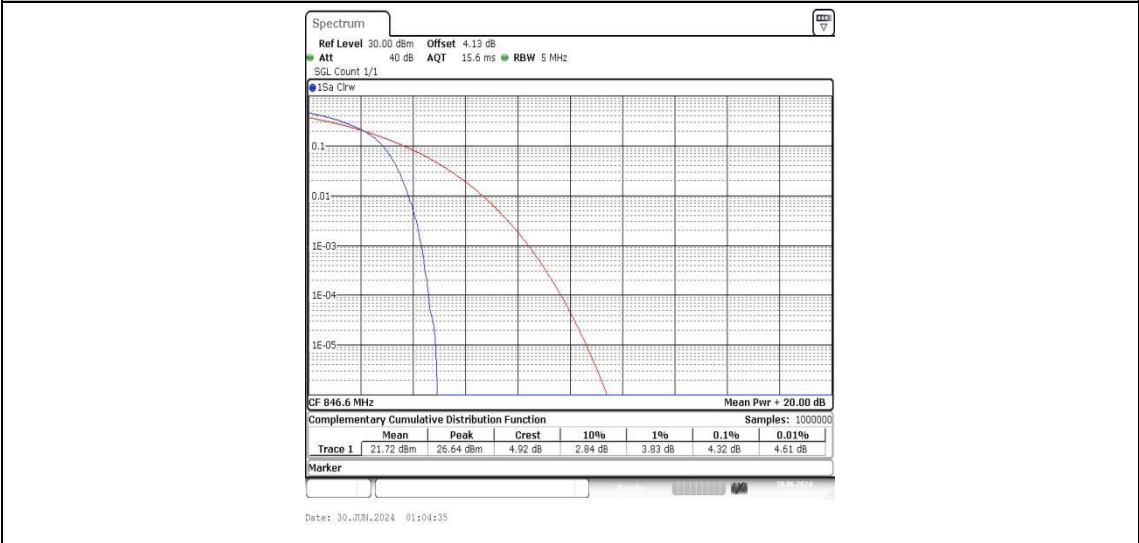
Band5-4233-4-PASS



Band5-4132-5-PASS



Band5-4182-5-PASS



Band5-4233-5-PASS

Appendix C:26dB Bandwidth and Occupied Bandwidth

Test Result

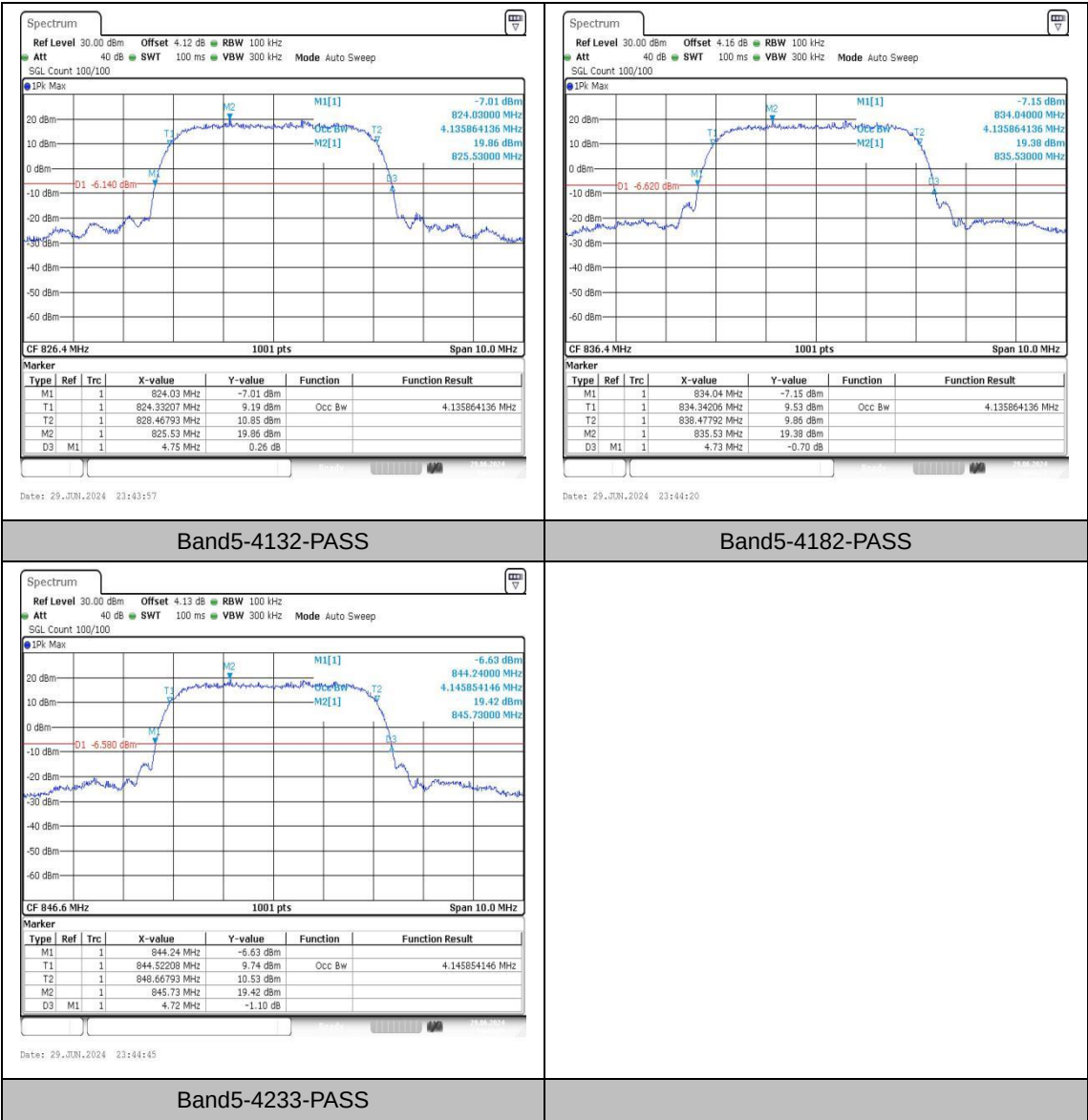
Band	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit(MHz)	Verdict
Band5	4132	4.136	4.75	---	PASS
Band5	4182	4.136	4.73	---	PASS
Band5	4233	4.146	4.72	---	PASS

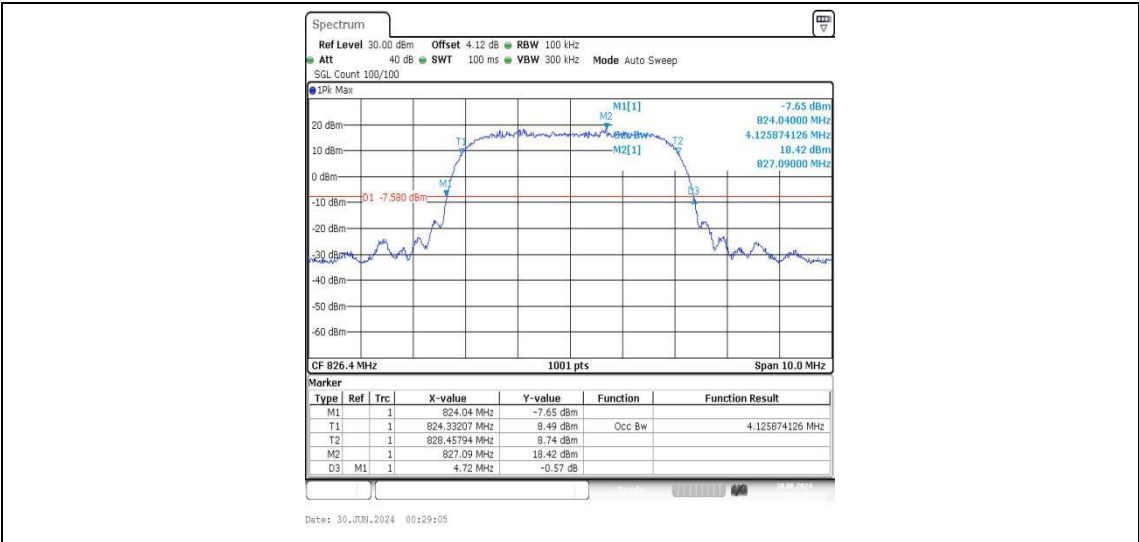
Band	Channel	SubTest	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit(MHz)	Verdict
Band5	4132	1	4.126	4.72	---	PASS
Band5	4182	1	4.146	4.71	---	PASS
Band5	4233	1	4.146	4.72	---	PASS
Band5	4132	2	4.126	4.73	---	PASS
Band5	4182	2	4.146	4.74	---	PASS
Band5	4233	2	4.156	4.74	---	PASS
Band5	4132	3	4.126	4.73	---	PASS
Band5	4182	3	4.146	4.76	---	PASS
Band5	4233	3	4.146	4.75	---	PASS
Band5	4132	4	4.136	4.73	---	PASS
Band5	4182	4	4.146	4.76	---	PASS
Band5	4233	4	4.156	4.75	---	PASS

Band	Channel	SubTest	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit(MHz)	Verdict
Band5	4132	1	4.166	4.73	---	PASS
Band5	4182	1	4.176	4.73	---	PASS
Band5	4233	1	4.156	4.76	---	PASS
Band5	4132	2	4.156	4.72	---	PASS
Band5	4182	2	4.166	4.77	---	PASS
Band5	4233	2	4.166	4.76	---	PASS
Band5	4132	3	4.156	4.75	---	PASS
Band5	4182	3	4.176	4.78	---	PASS
Band5	4233	3	4.176	4.74	---	PASS
Band5	4132	4	4.126	4.72	---	PASS
Band5	4182	4	4.146	4.73	---	PASS

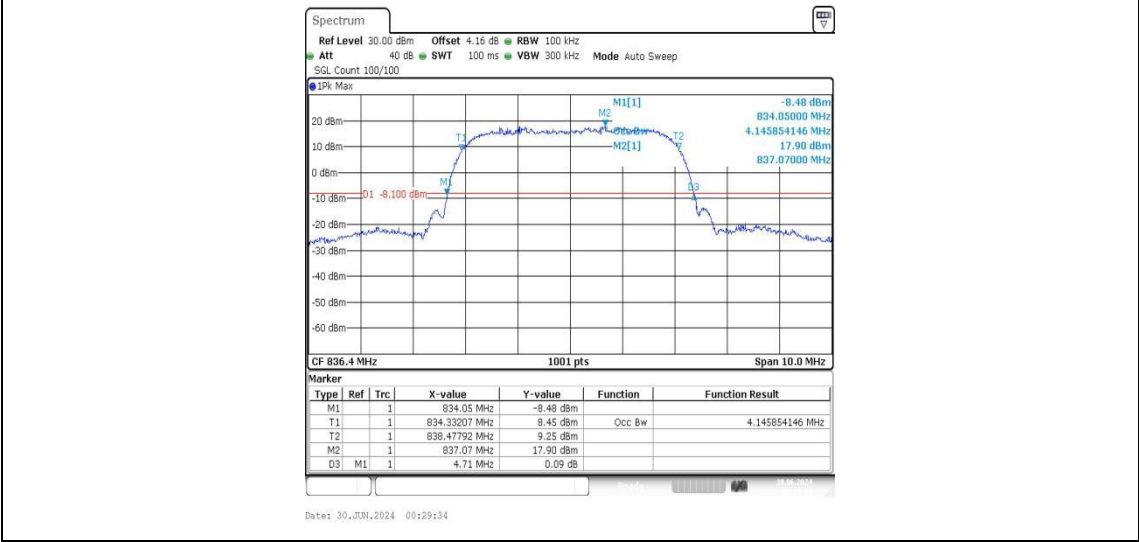
Band5	4233	4	4.146	4.73	---	PASS
Band5	4132	5	4.136	4.74	---	PASS
Band5	4182	5	4.156	4.72	---	PASS
Band5	4233	5	4.156	4.72	---	PASS

Test Graphs

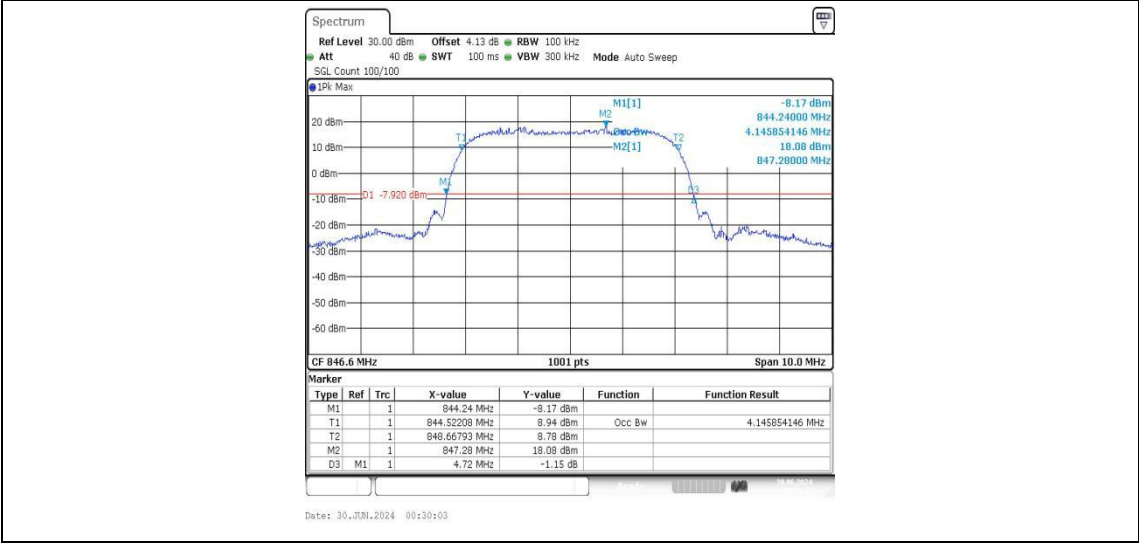




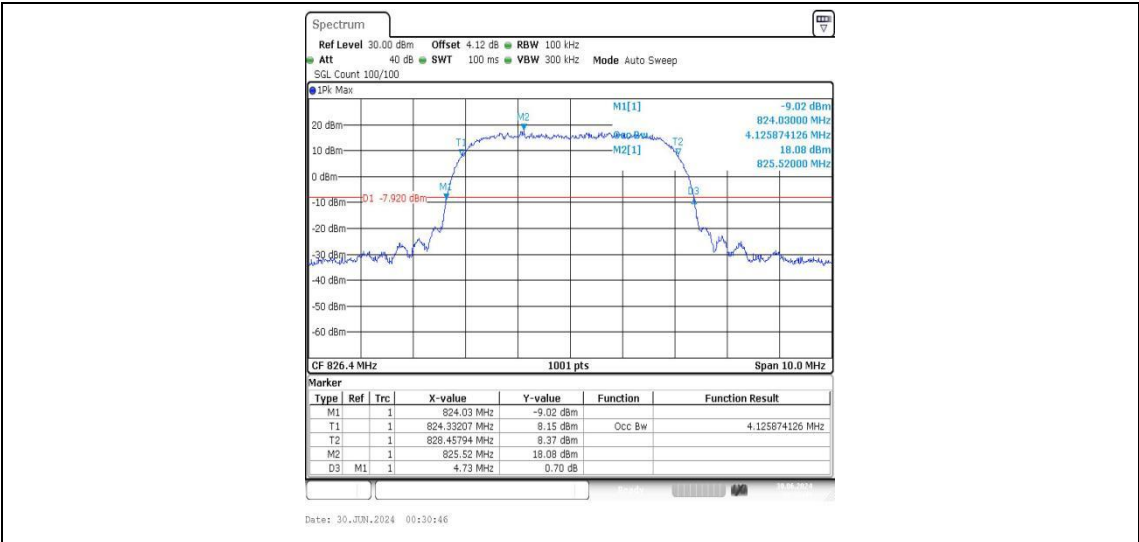
Band5-4132-1-PASS



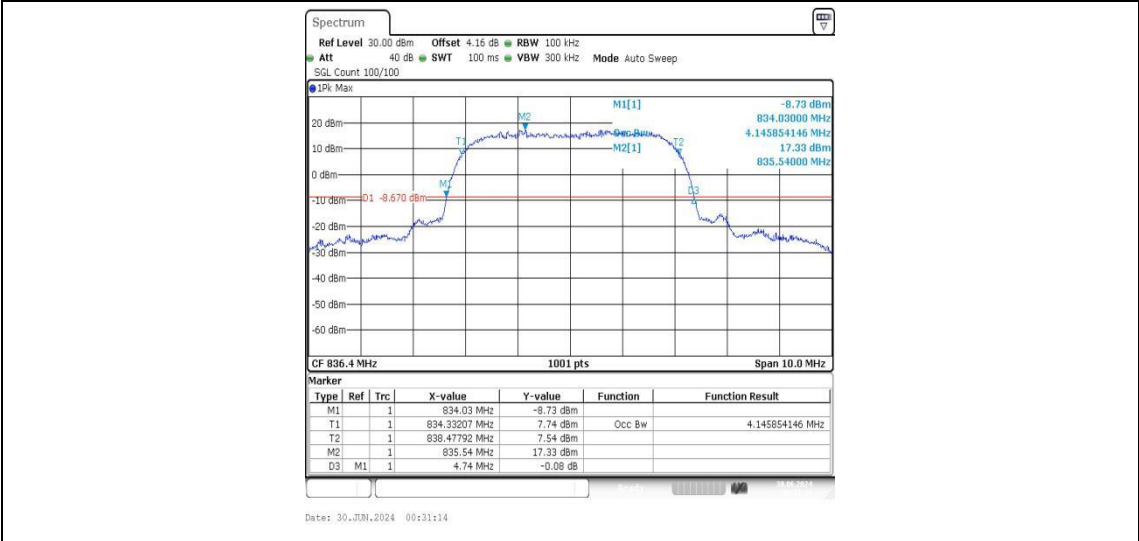
Band5-4182-1-PASS



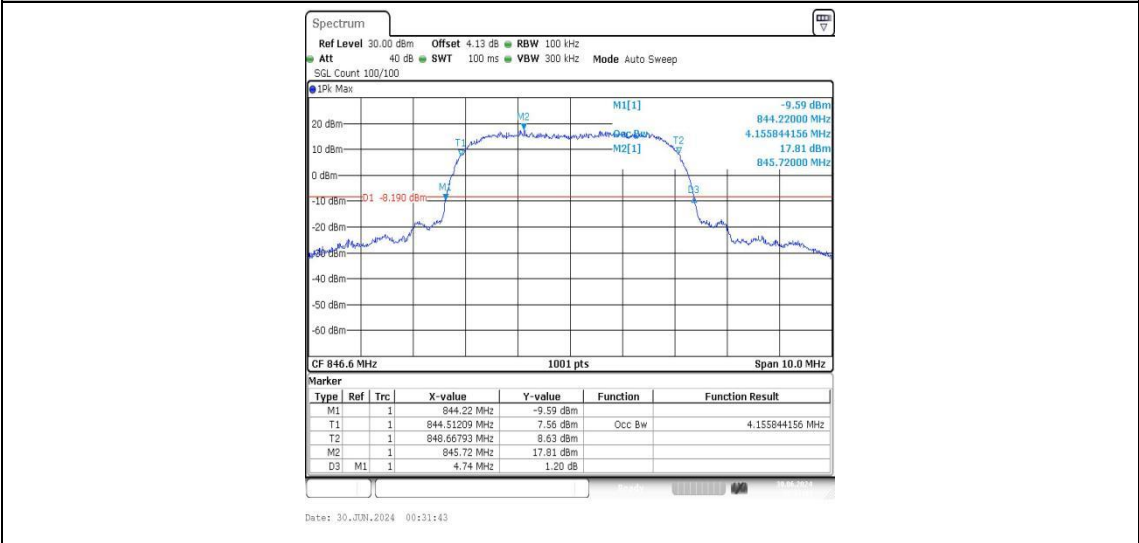
Band5-4233-1-PASS



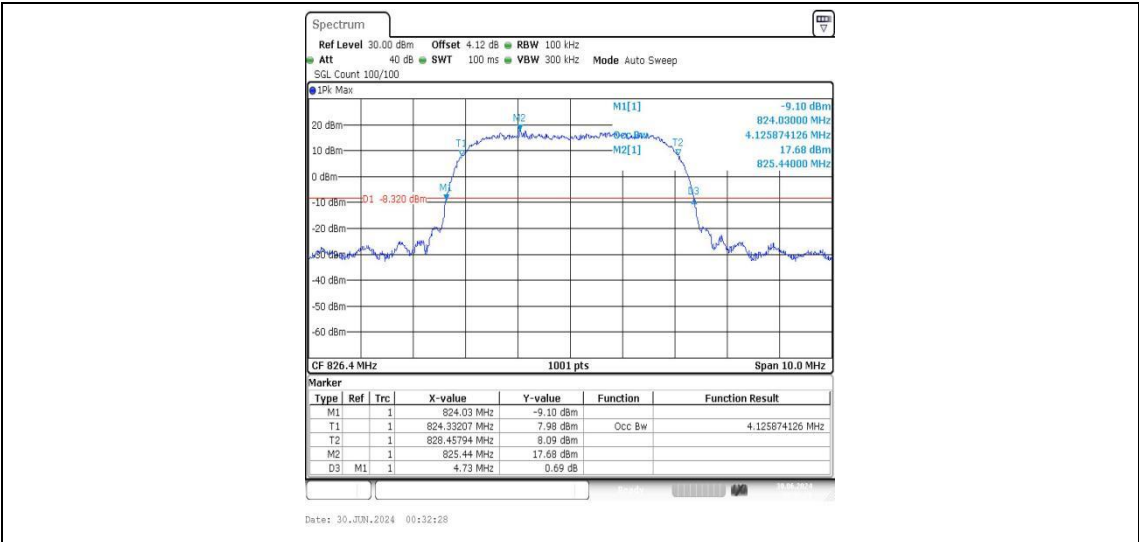
Band5-4132-2-PASS



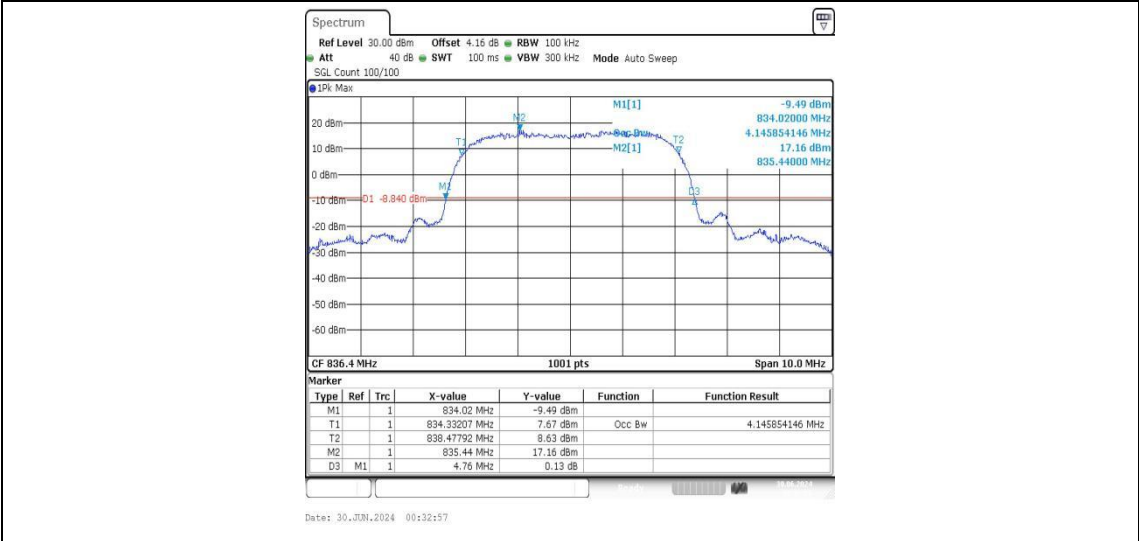
Band5-4182-2-PASS



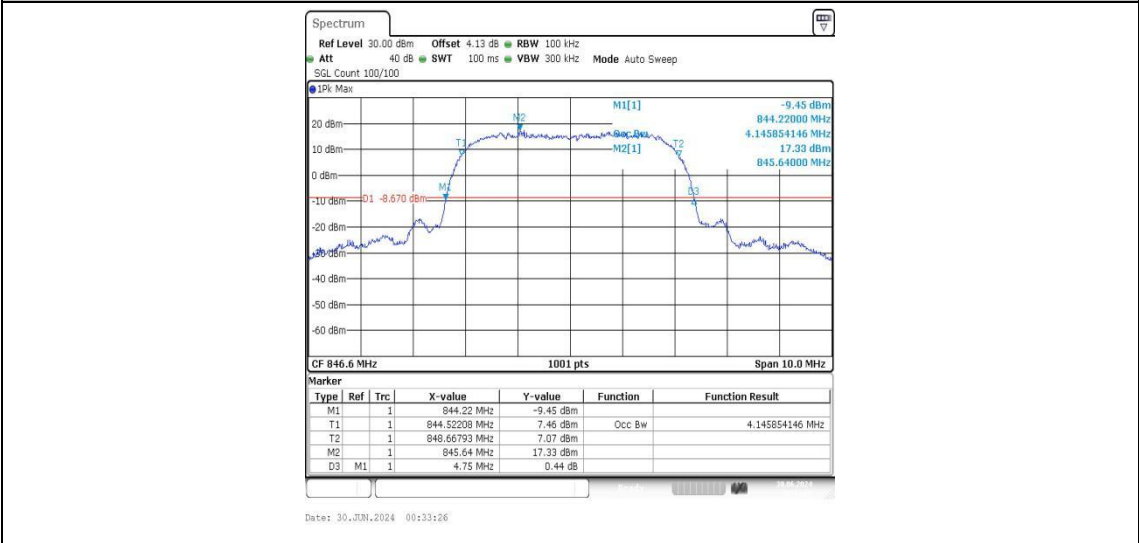
Band5-4233-2-PASS



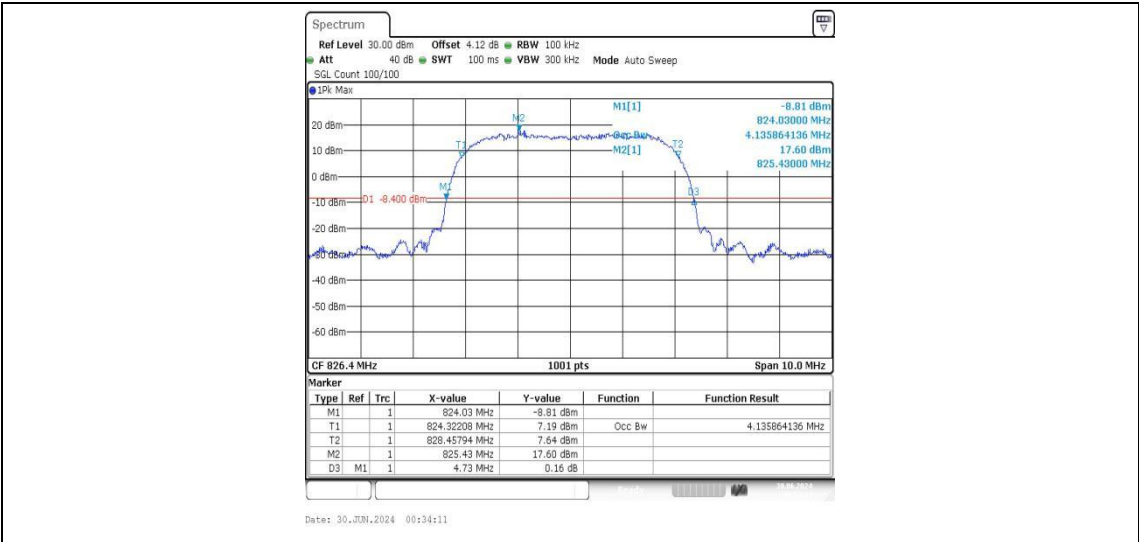
Band5-4132-3-PASS



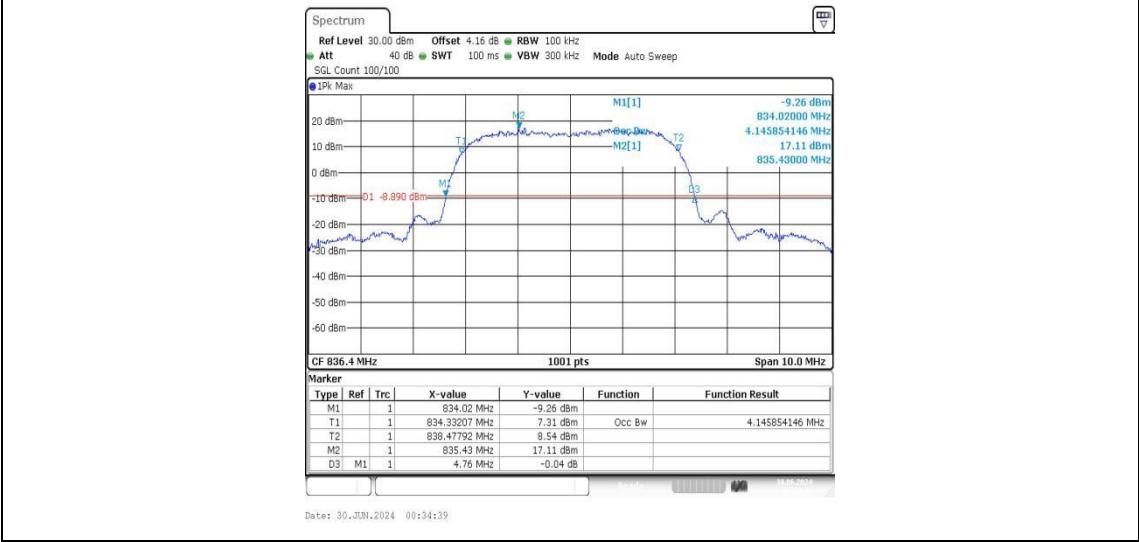
Band5-4182-3-PASS



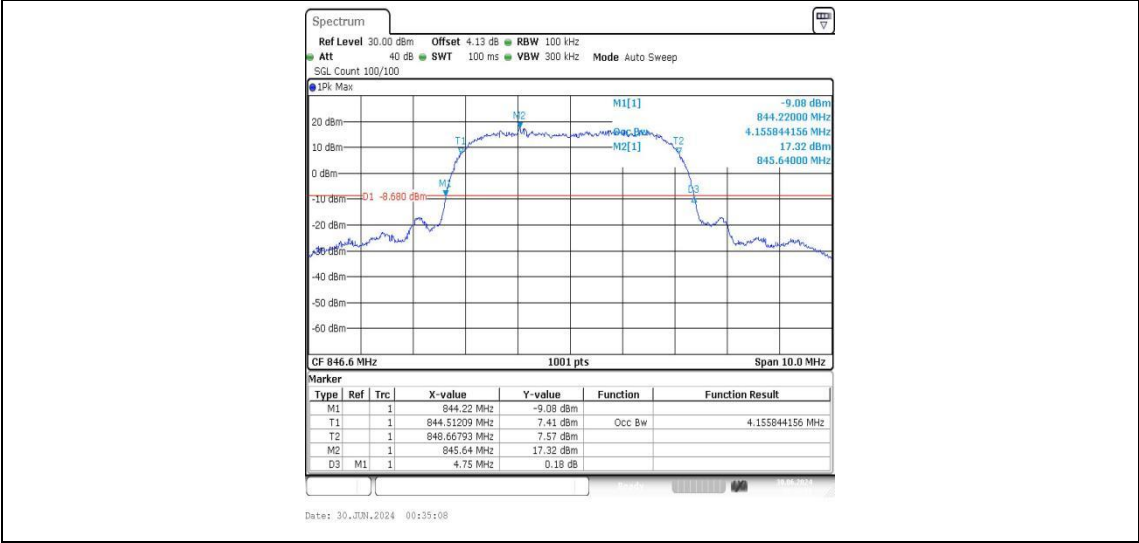
Band5-4233-3-PASS



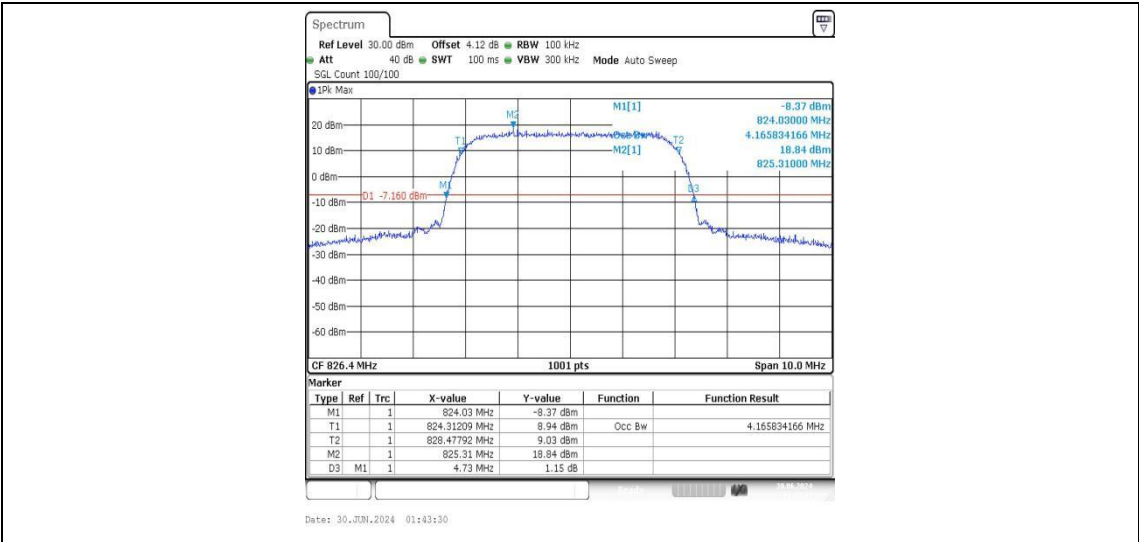
Band5-4132-4-PASS



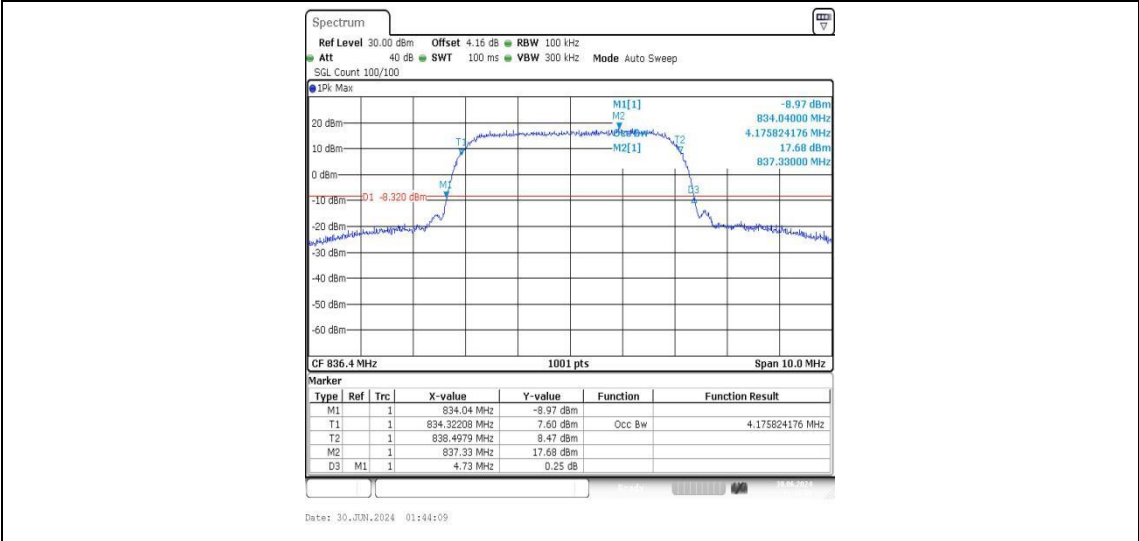
Band5-4182-4-PASS



Band5-4233-4-PASS



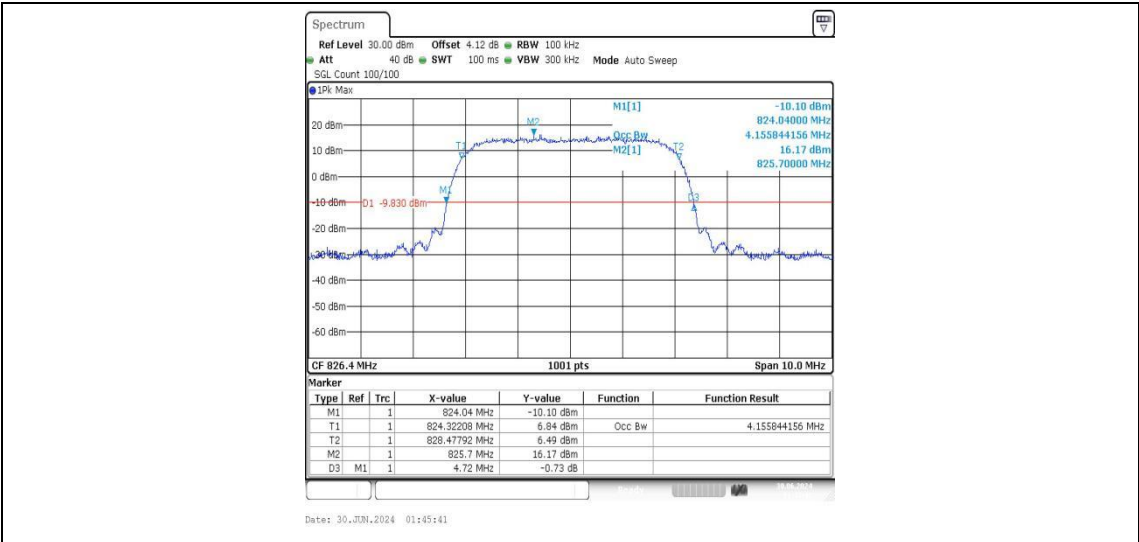
Band5-4132-1-PASS



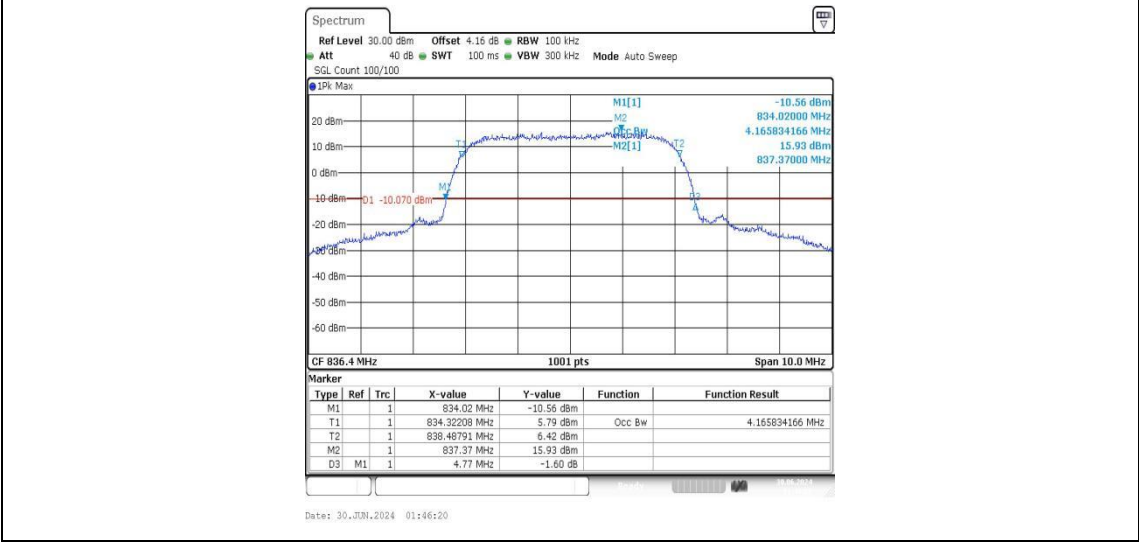
Band5-4182-1-PASS



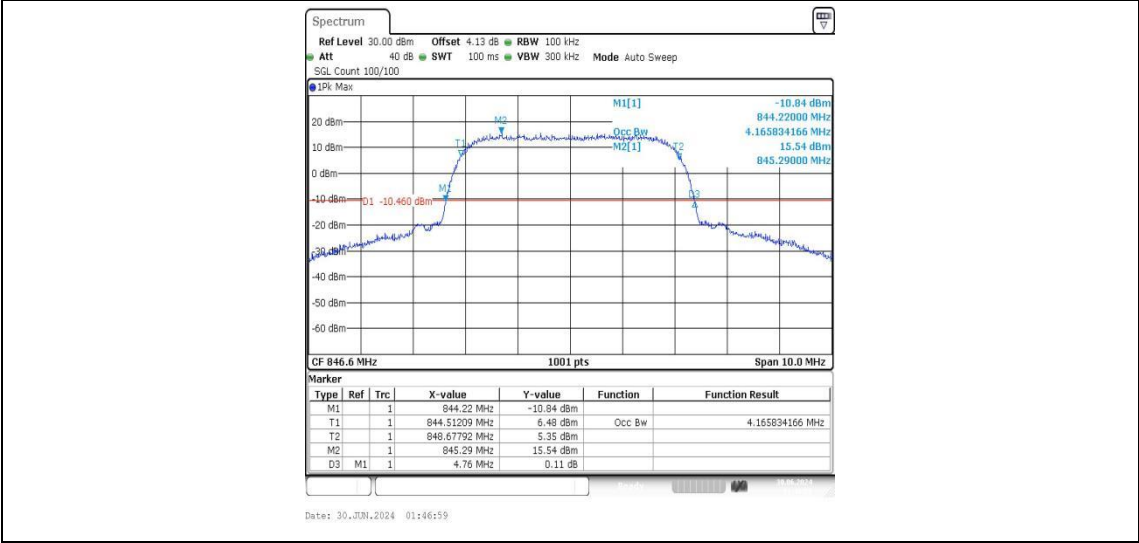
Band5-4233-1-PASS



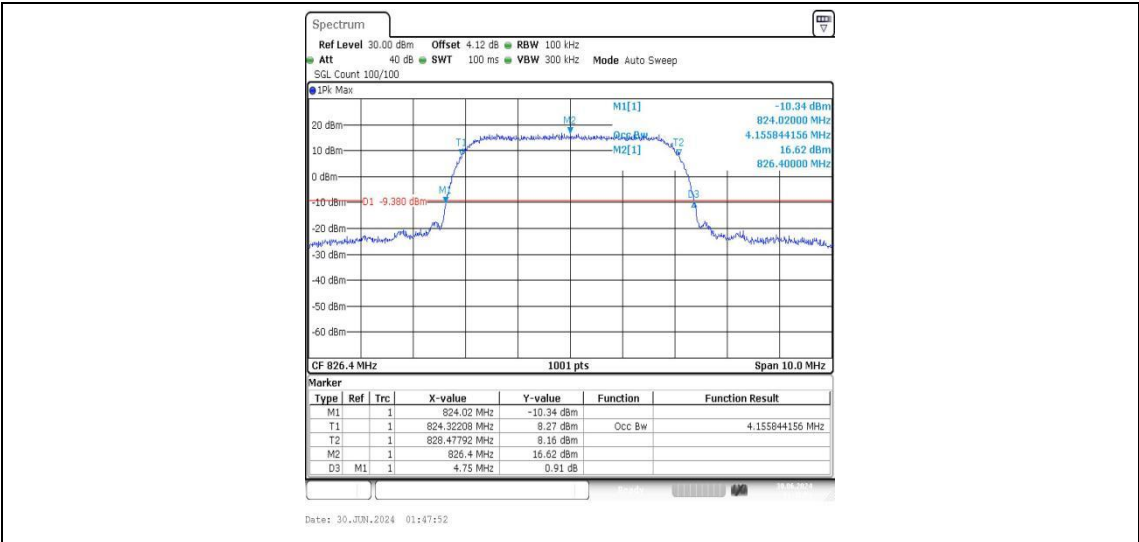
Band5-4132-2-PASS



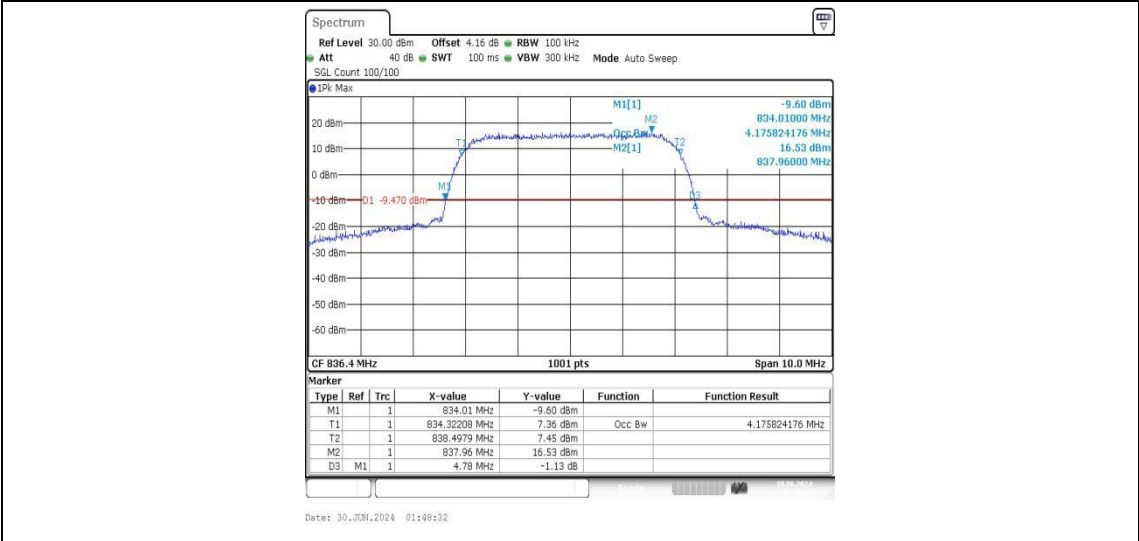
Band5-4182-2-PASS



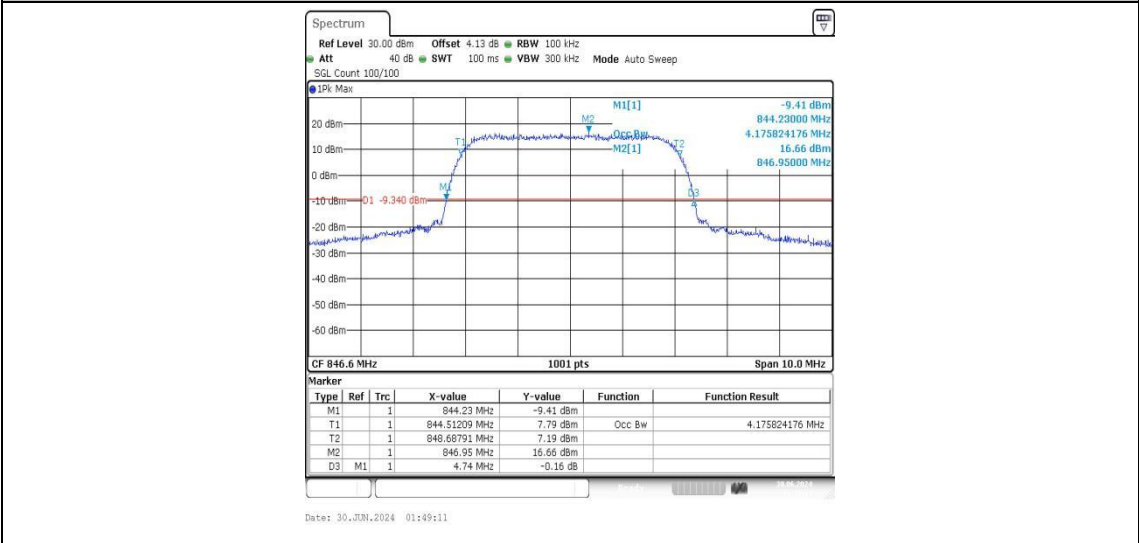
Band5-4233-2-PASS



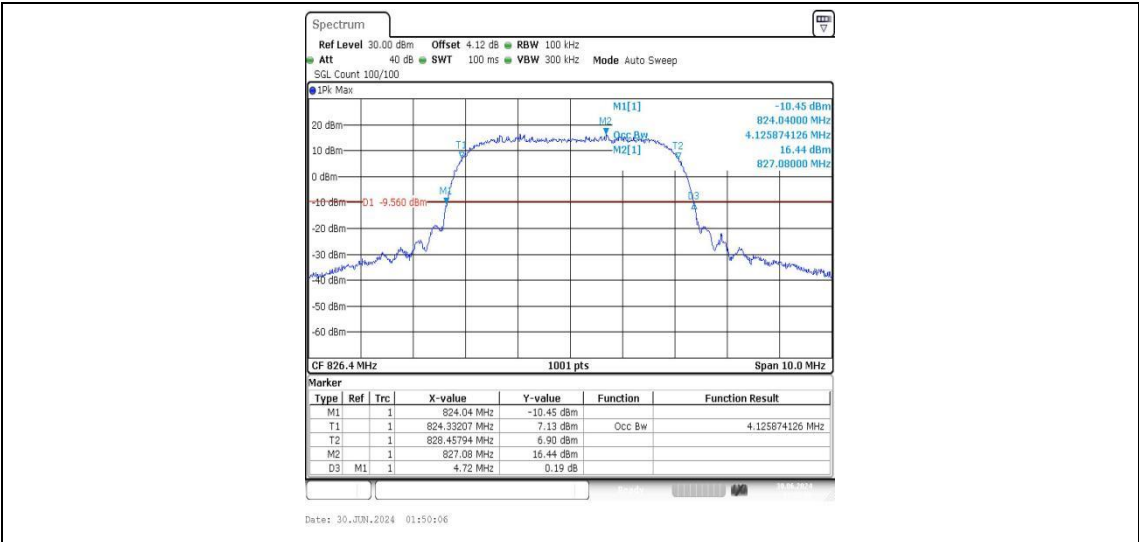
Band5-4132-3-PASS



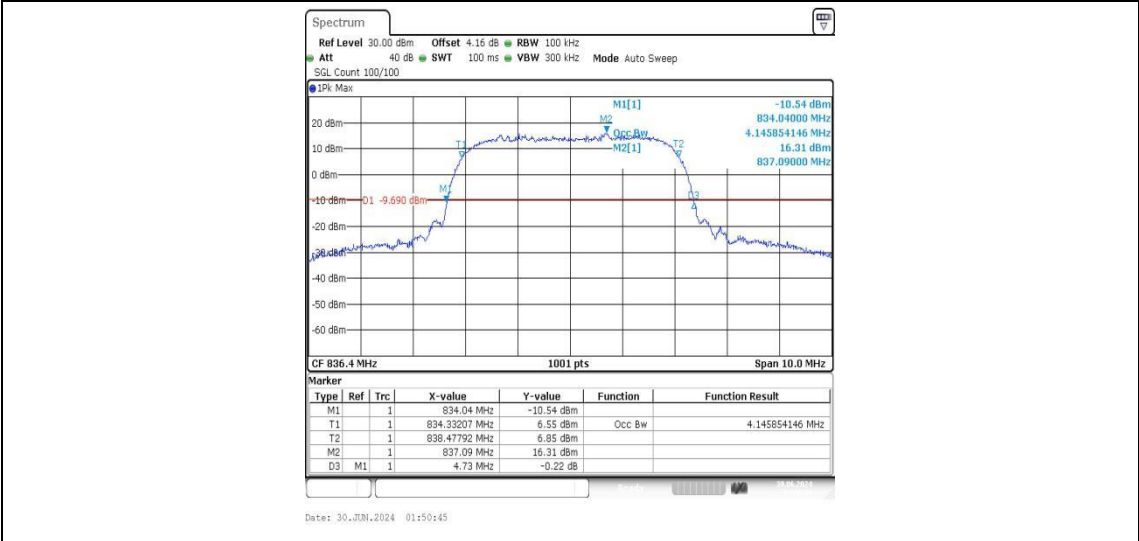
Band5-4182-3-PASS



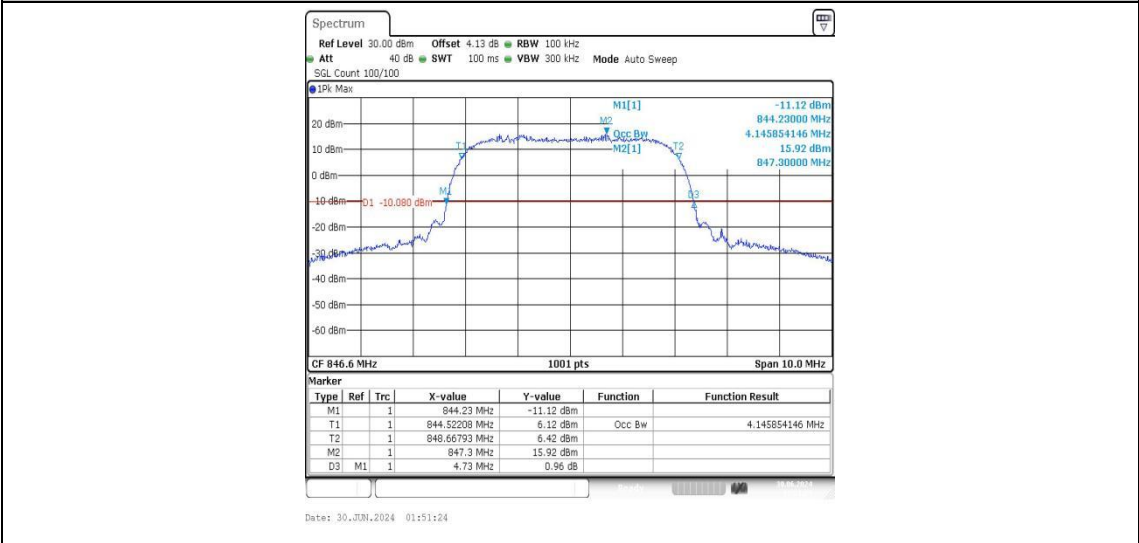
Band5-4233-3-PASS



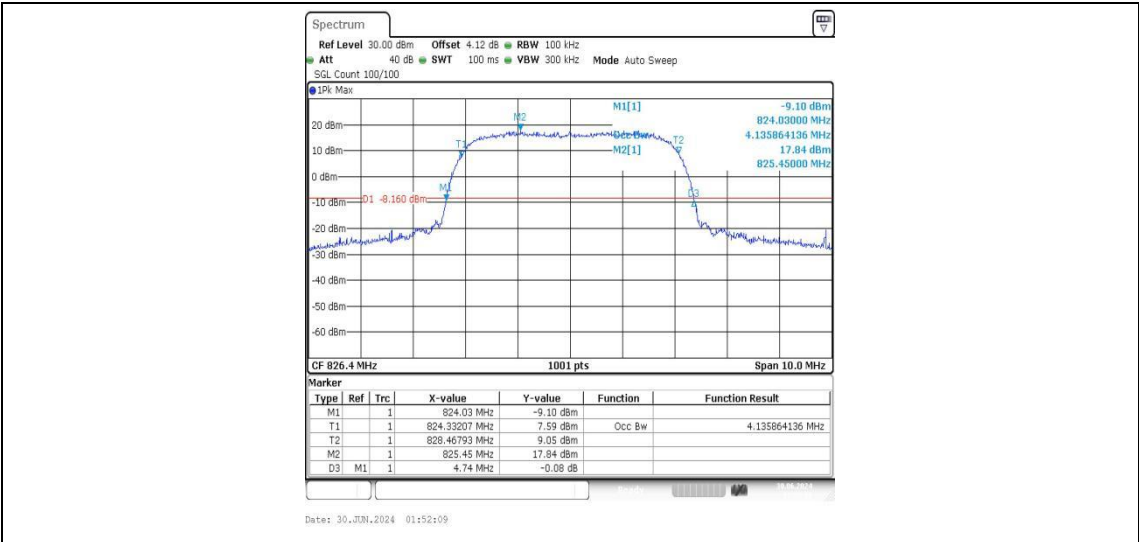
Band5-4132-4-PASS



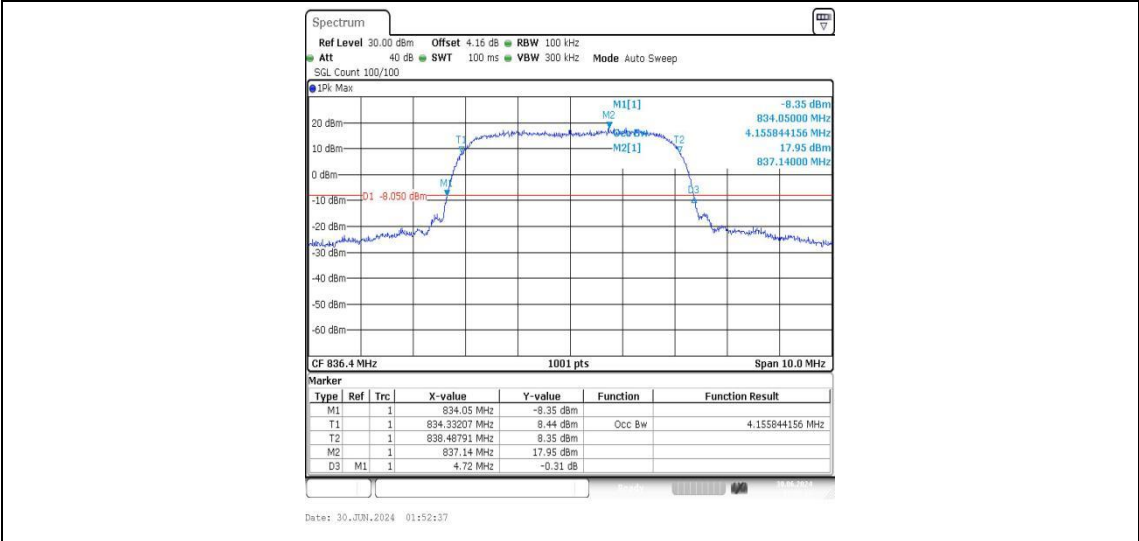
Band5-4182-4-PASS



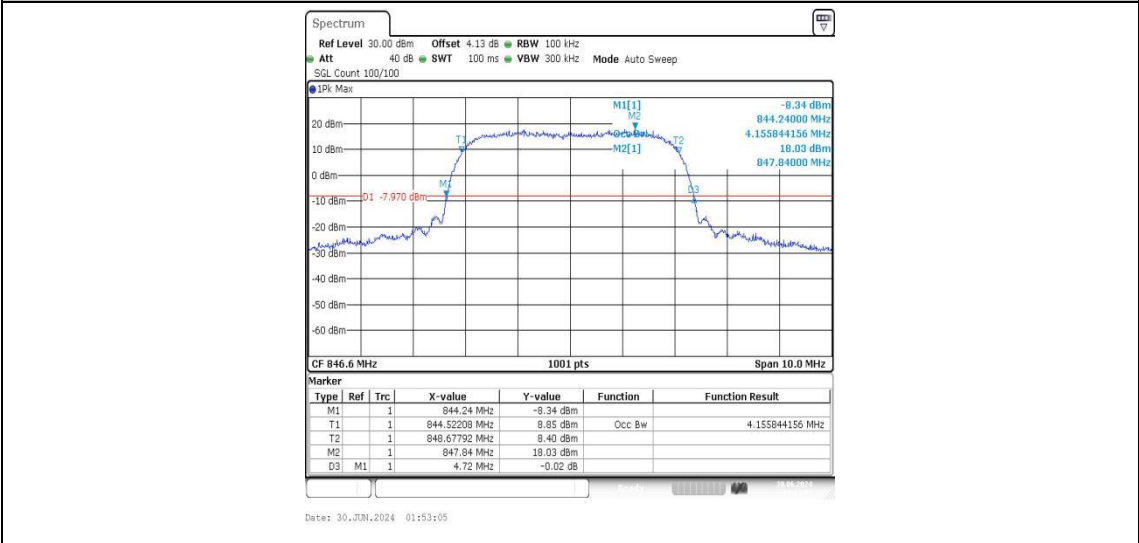
Band5-4233-4-PASS



Band5-4132-5-PASS



Band5-4182-5-PASS



Band5-4233-5-PASS

Appendix D:Band Edge

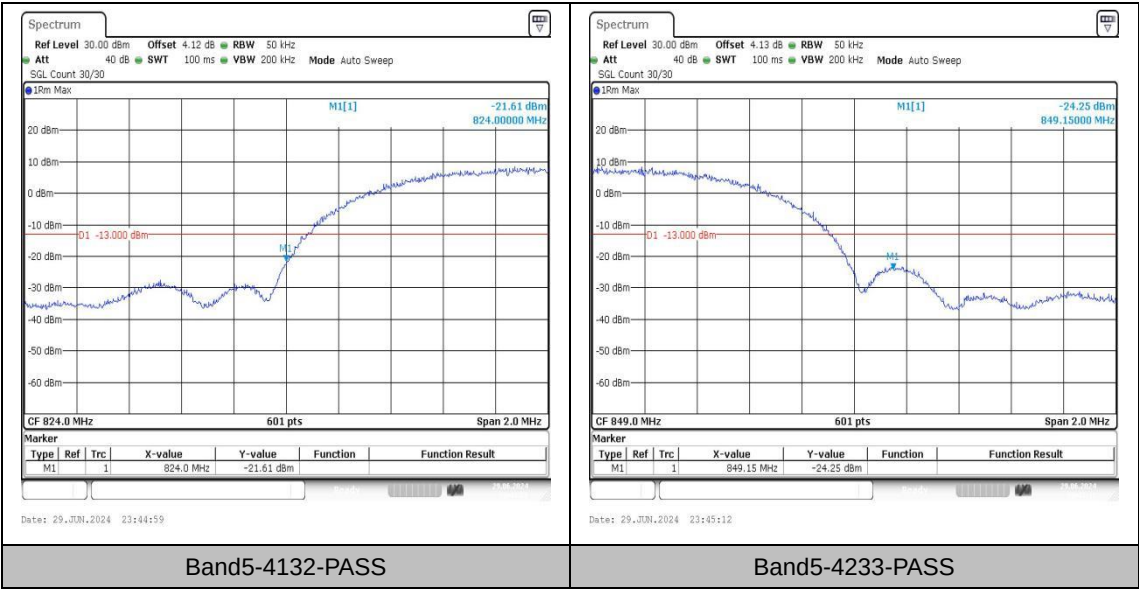
Test Result

Band	Channel	Frequency (MHz)	Result (dBm)	Limit(dBm)	Verdict
Band5	4132	824.00	-21.61	-13	PASS
Band5	4233	849.15	-23.34	-13	PASS

Band	Channel	SubTest	Frequency (MHz)	Result (dBm)	Limit(dBm)	Verdict
Band5	4132	1	823.85	-25.48	-13	PASS
Band5	4233	1	849.14	-23.03	-13	PASS
Band5	4132	2	824.00	-25.90	-13	PASS
Band5	4233	2	849.00	-23.03	-13	PASS
Band5	4132	3	824.00	-25.95	-13	PASS
Band5	4233	3	849.00	-22.39	-13	PASS
Band5	4132	4	824.00	-24.85	-13	PASS
Band5	4233	4	849.00	-21.98	-13	PASS

Band	Channel	SubTest	Frequency (MHz)	Result (dBm)	Limit(dBm)	Verdict
Band5	4132	1	824.00	-23.70	-13	PASS
Band5	4233	1	849.15	-23.91	-13	PASS
Band5	4132	2	824.00	-26.65	-13	PASS
Band5	4233	2	849.00	-24.96	-13	PASS
Band5	4132	3	824.00	-26.28	-13	PASS
Band5	4233	3	849.00	-25.39	-13	PASS
Band5	4132	4	824.00	-26.45	-13	PASS
Band5	4233	4	849.00	-25.22	-13	PASS
Band5	4132	5	824.00	-24.74	-13	PASS
Band5	4233	5	849.17	-24.96	-13	PASS

Test Graphs

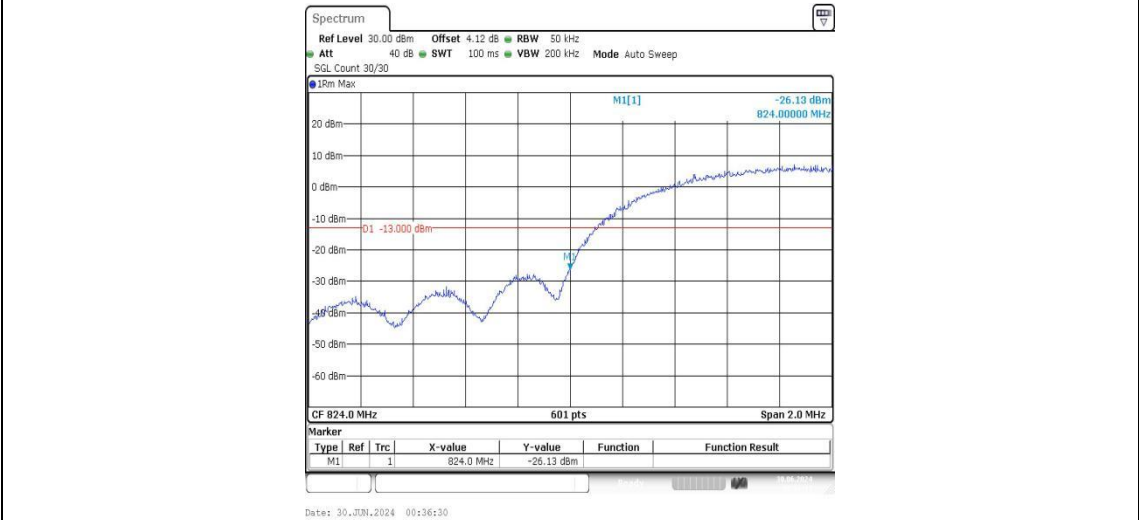




Band5-4132-1-PASS



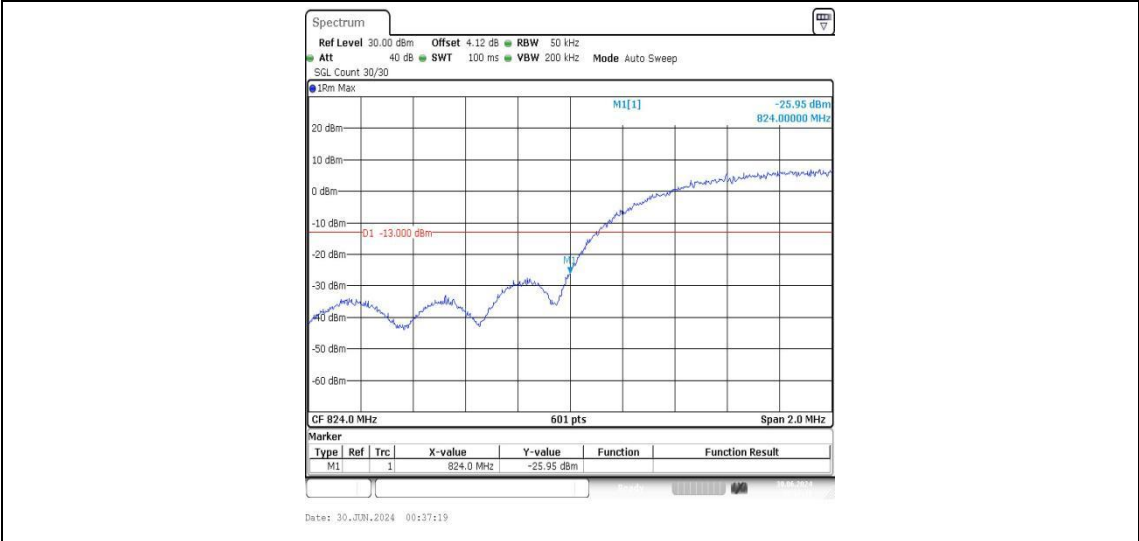
Band5-4233-1-PASS



Band5-4132-2-PASS



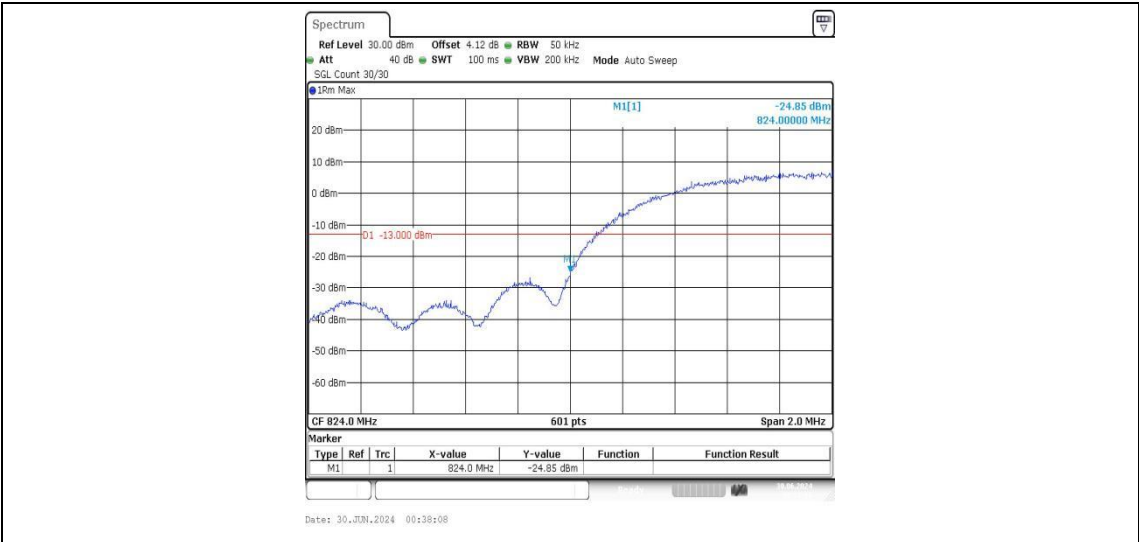
Band5-4233-2-PASS



Band5-4132-3-PASS



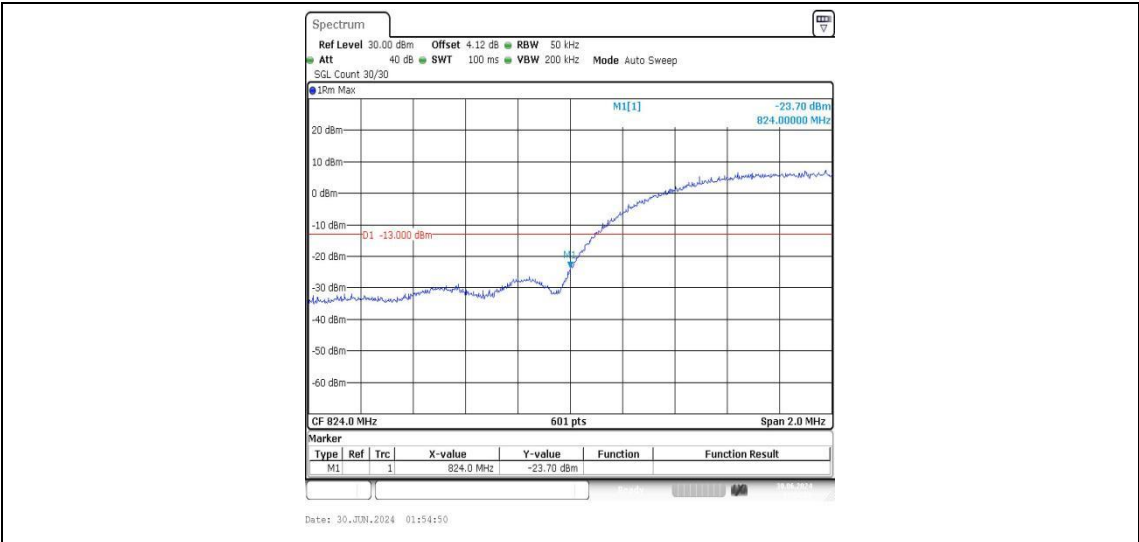
Band5-4233-3-PASS



Band5-4132-4-PASS



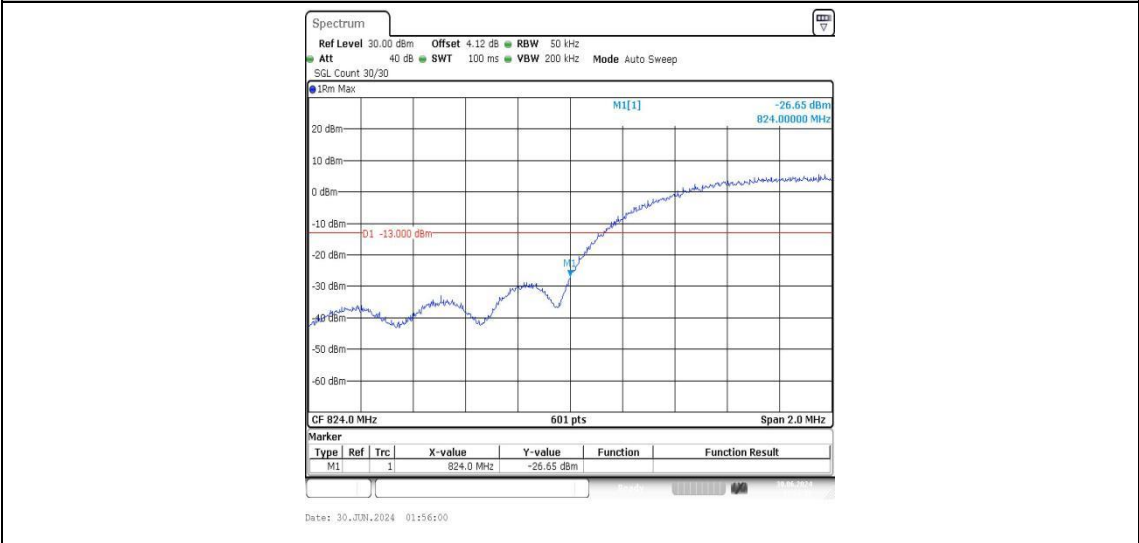
Band5-4233-4-PASS



Band5-4132-1-PASS



Band5-4233-1-PASS



Band5-4132-2-PASS