

Appendix for WCDMA Band 5

Product Name: Smart Phone

Model No: Black G4

AppendixA: Average Power Output Data

Test Result

WCDMA - Average Power (dBm)			
Band	WCDMA Band V		
Channel	4132	4183	4233
Frequency (MHz)	826.4	836.6	846.6
RMC 12.2k	22.55	22.65	22.62
HSDPA Subtest-1	21.56	21.69	21.59
HSDPA Subtest-2	21.02	21.15	21.12
HSDPA Subtest-3	20.81	20.90	20.84
HSDPA Subtest-4	20.47	20.56	20.51
HSUPA Subtest-1	21.16	21.19	21.29
HSUPA Subtest-2	20.73	20.74	20.78
HSUPA Subtest-3	20.41	20.49	20.51
HSUPA Subtest-4	20.15	20.26	20.33
HSUPA Subtest-5	19.83	19.97	20.04

AppendixB:Peak-to-Average Ratio

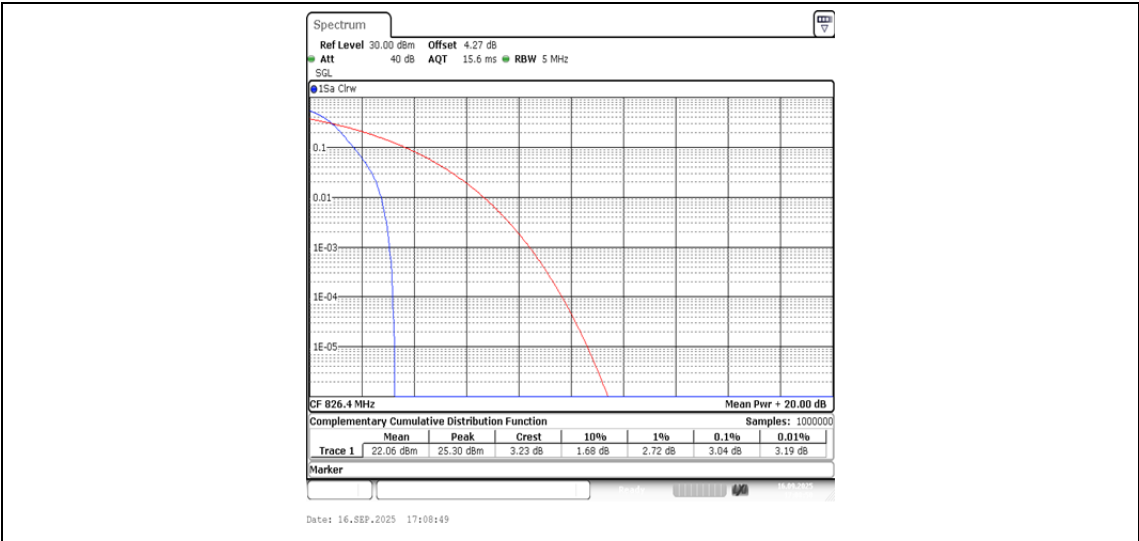
Test Result

Band	Channel	Peak-to-Average Ratio(dB)	Limit(dB)	Verdict
Band5	4132	3.04	13	PASS
Band5	4182	3.16	13	PASS
Band5	4233	2.81	13	PASS

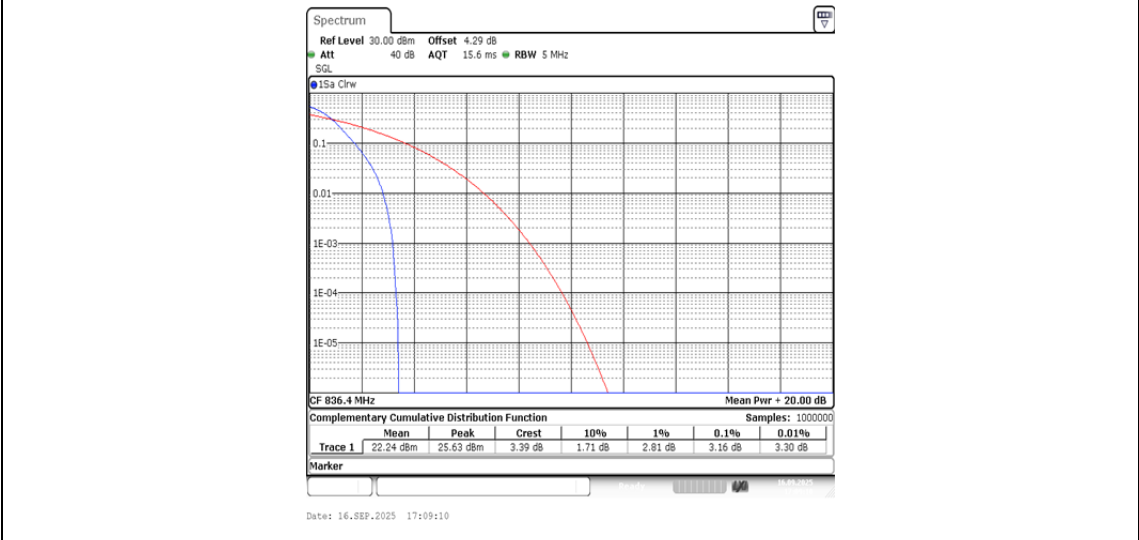
Band	Channel	SubTest	Peak-to-Average Ratio(dB)	Limit(dB)	Verdict
Band5	4132	1	3.33	13	PASS
Band5	4132	2	3.59	13	PASS
Band5	4132	3	3.74	13	PASS
Band5	4132	4	3.8	13	PASS
Band5	4182	1	3.39	13	PASS
Band5	4182	2	3.65	13	PASS
Band5	4182	3	3.8	13	PASS
Band5	4182	4	3.83	13	PASS
Band5	4233	1	3.19	13	PASS
Band5	4233	2	3.57	13	PASS
Band5	4233	3	3.68	13	PASS
Band5	4233	4	3.74	13	PASS

Band	Channel	SubTest	Peak-to-Average Ratio(dB)	Limit(dB)	Verdict
Band5	4132	1	4.75	13	PASS
Band5	4132	2	5.62	13	PASS
Band5	4132	3	5.04	13	PASS
Band5	4132	4	5.83	13	PASS
Band5	4132	5	4.41	13	PASS
Band5	4182	1	4.81	13	PASS
Band5	4182	2	5.77	13	PASS
Band5	4182	3	5.16	13	PASS
Band5	4182	4	5.86	13	PASS
Band5	4182	5	4.52	13	PASS
Band5	4233	1	4.7	13	PASS
Band5	4233	2	5.48	13	PASS
Band5	4233	3	4.84	13	PASS
Band5	4233	4	5.71	13	PASS
Band5	4233	5	4.29	13	PASS

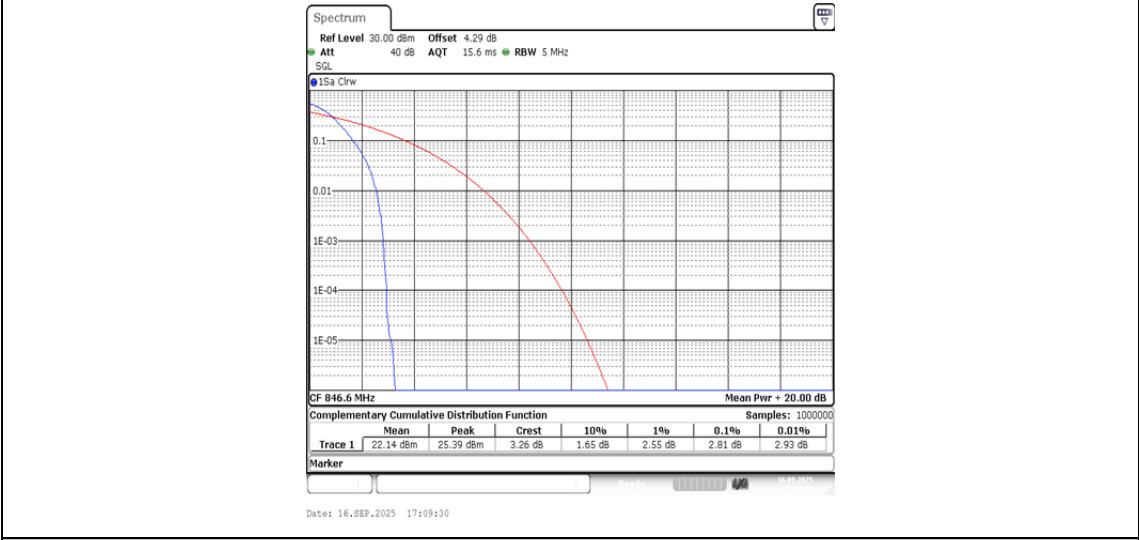
Test Graphs



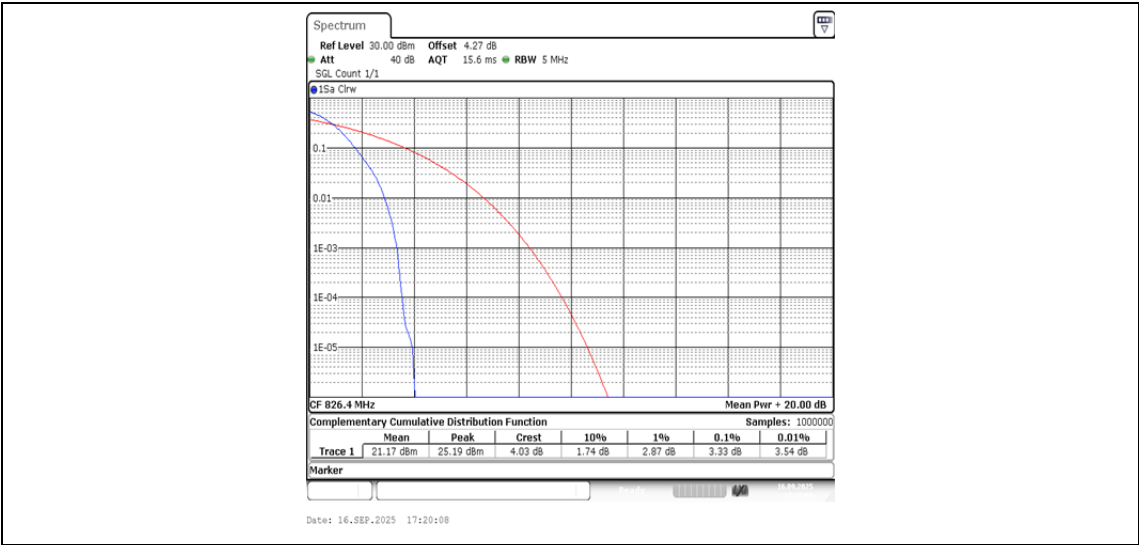
Band5-4132-PASS



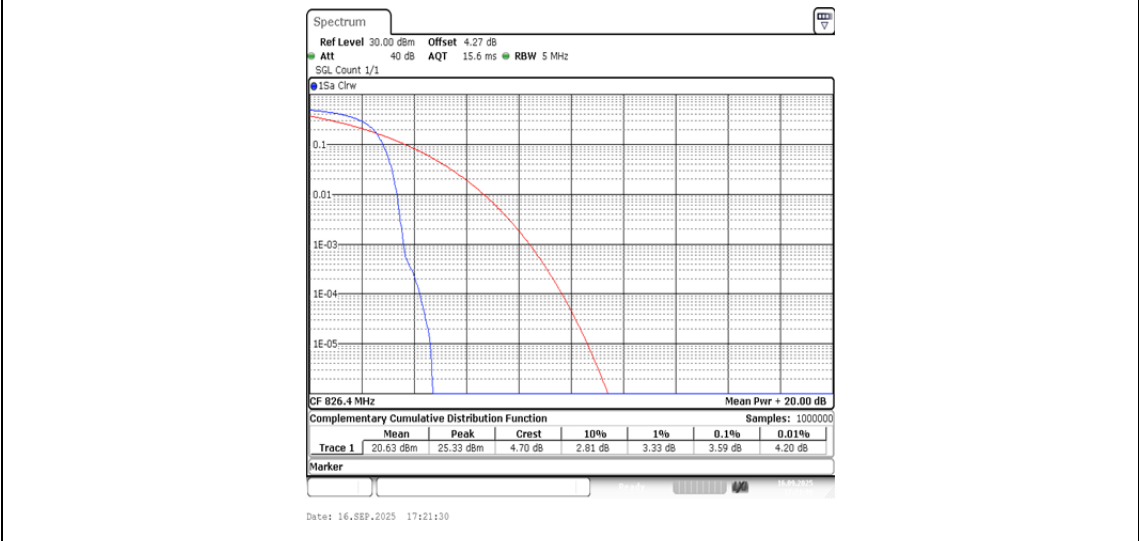
Band5-4182-PASS



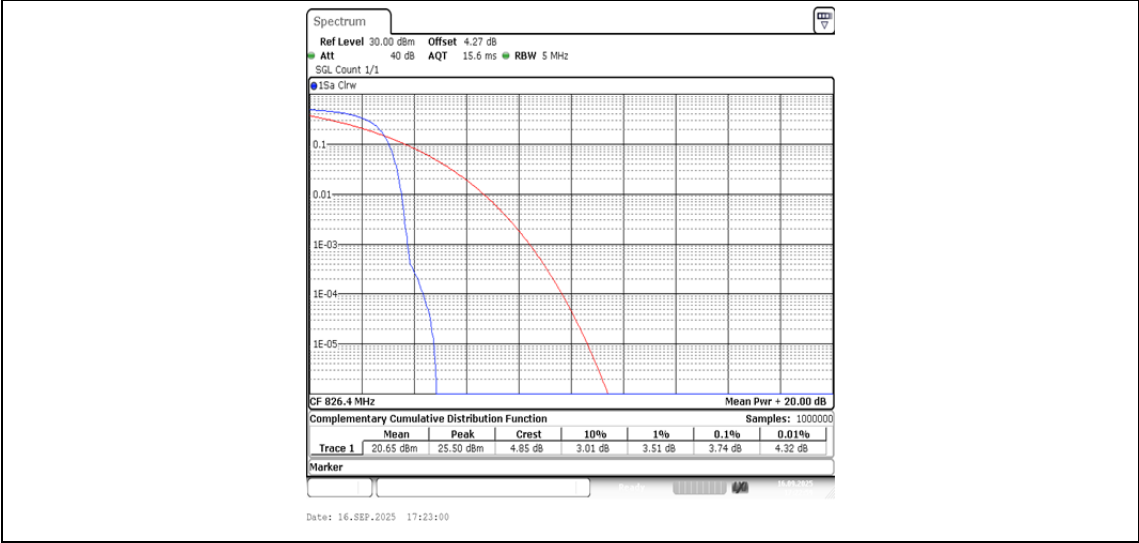
Band5-4233-PASS



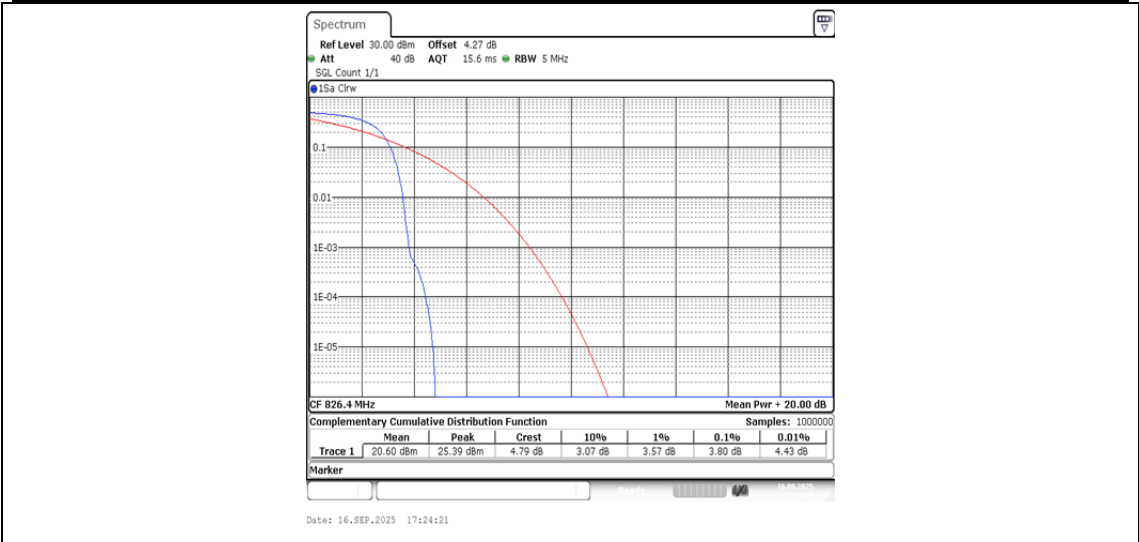
Band5-4132-1-PASS



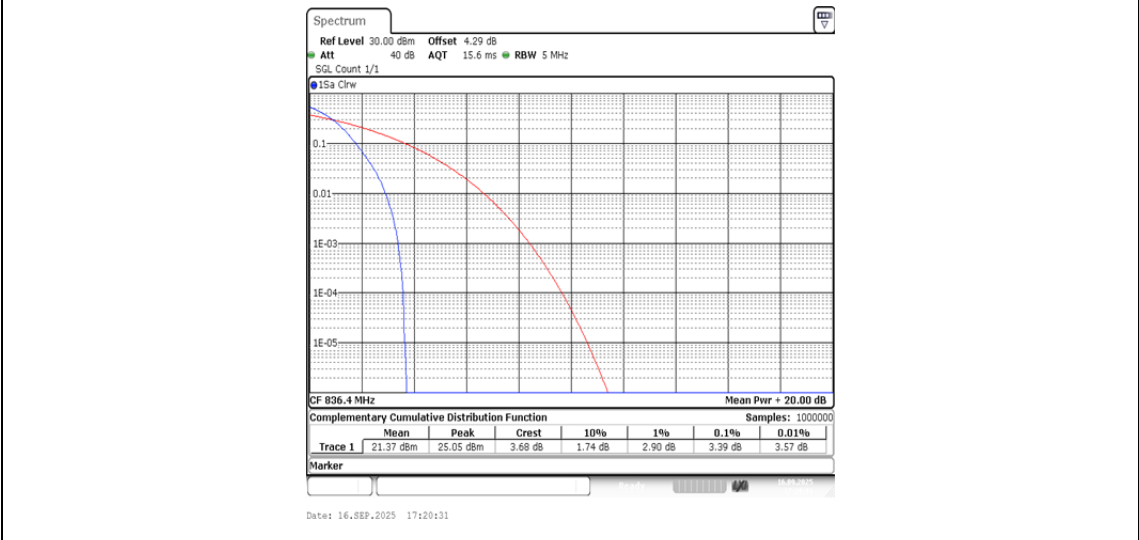
Band5-4132-2-PASS



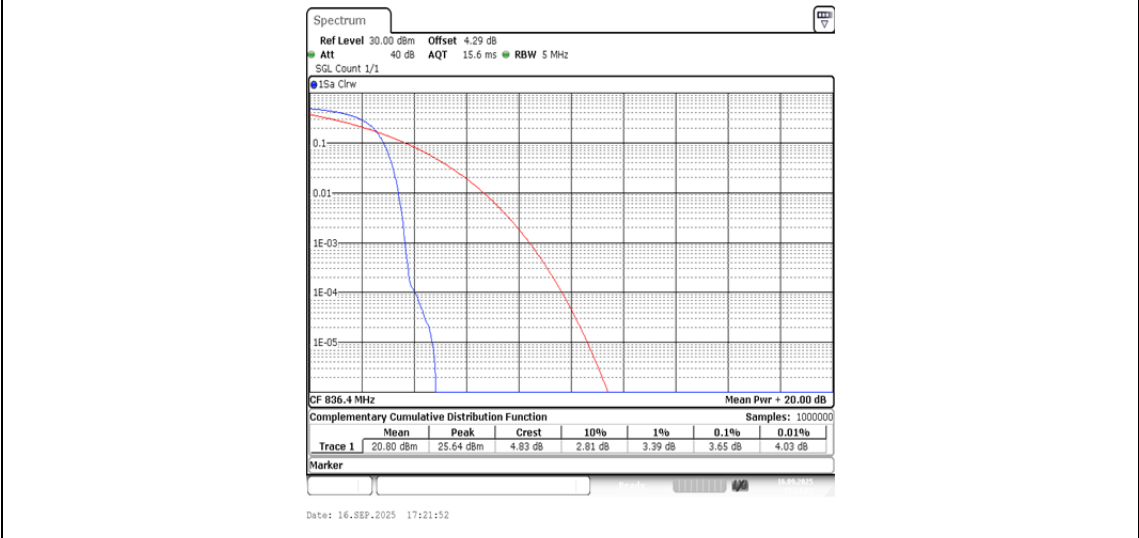
Band5-4132-3-PASS



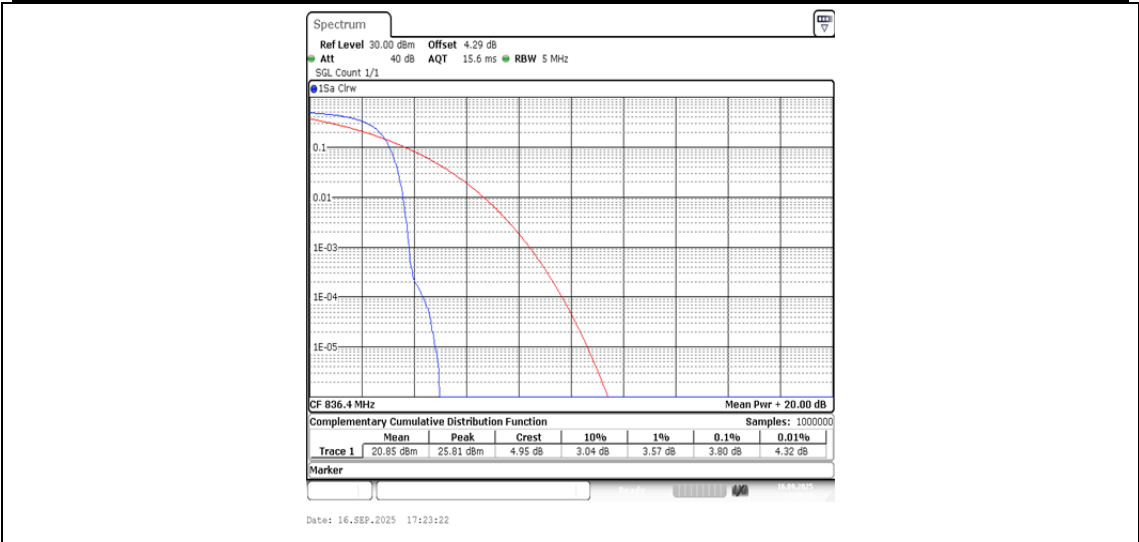
Band5-4132-4-PASS



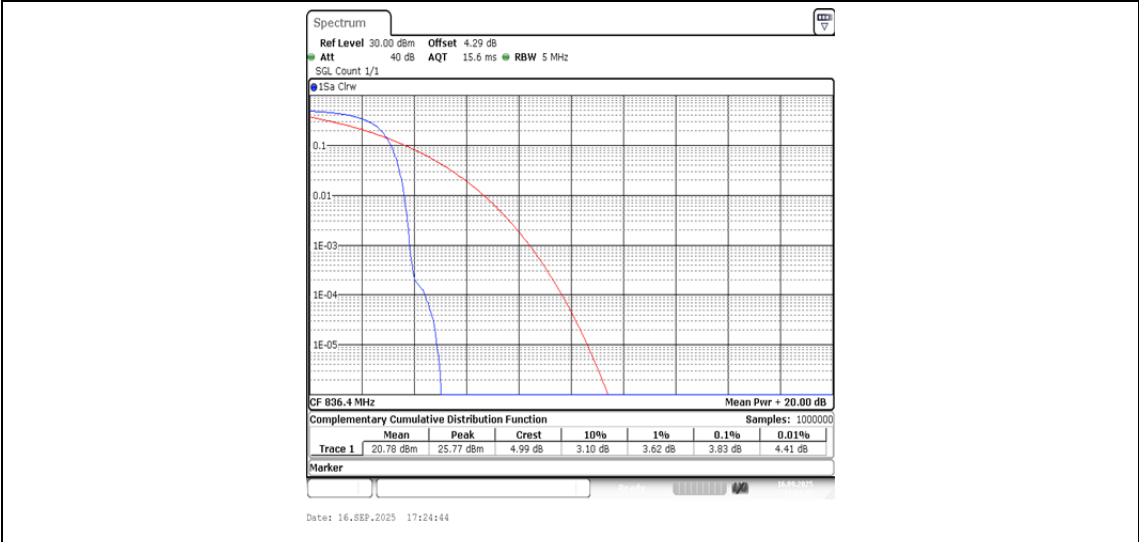
Band5-4182-1-PASS



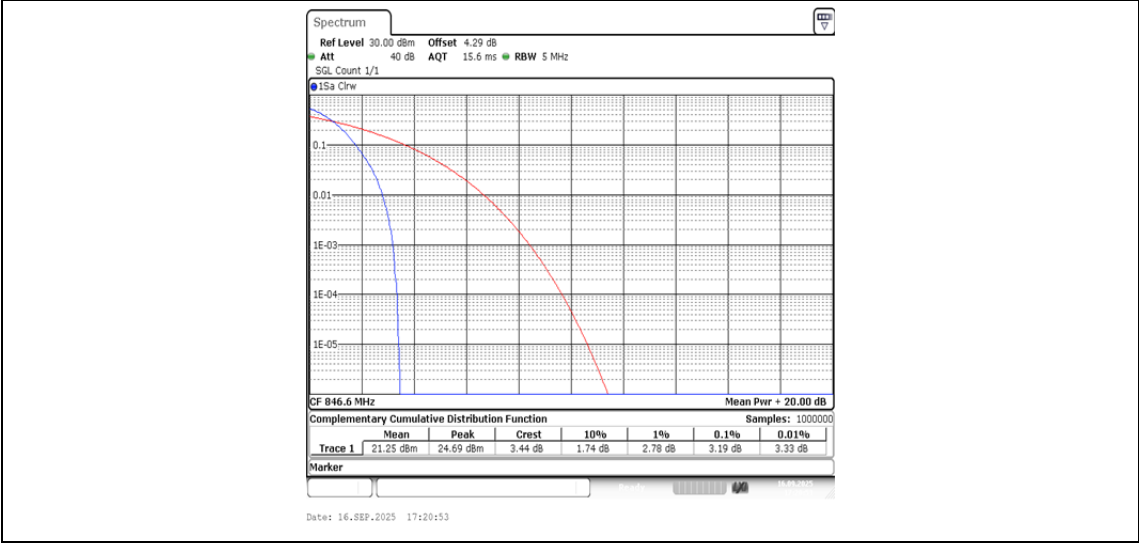
Band5-4182-2-PASS



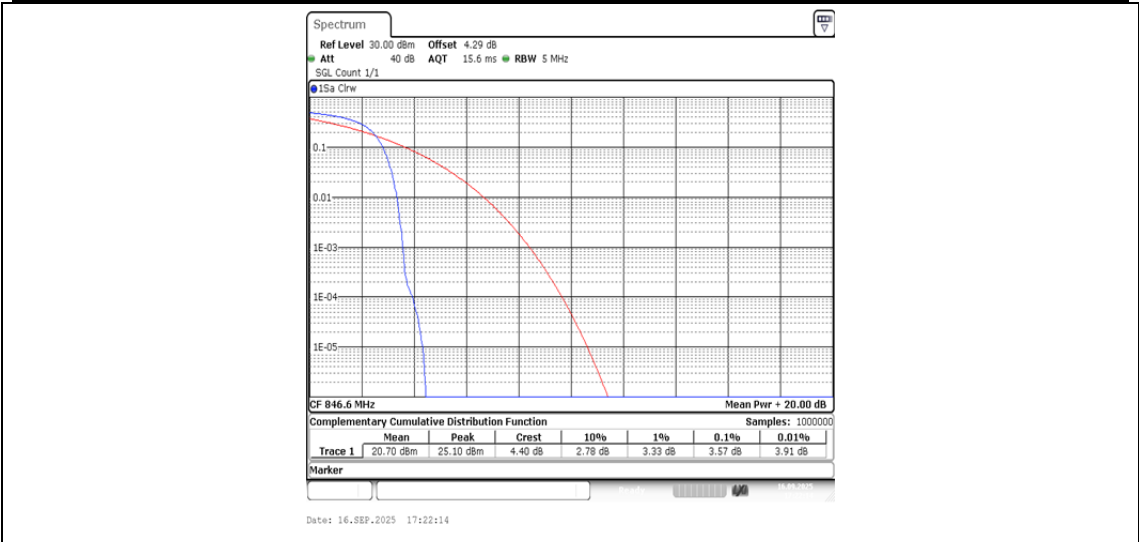
Band5-4182-3-PASS



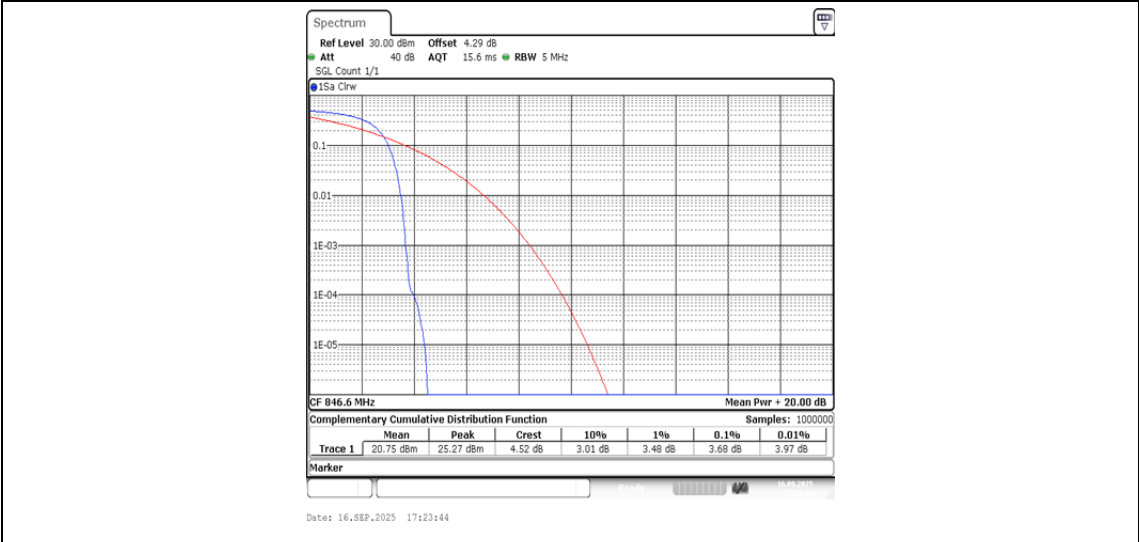
Band5-4182-4-PASS



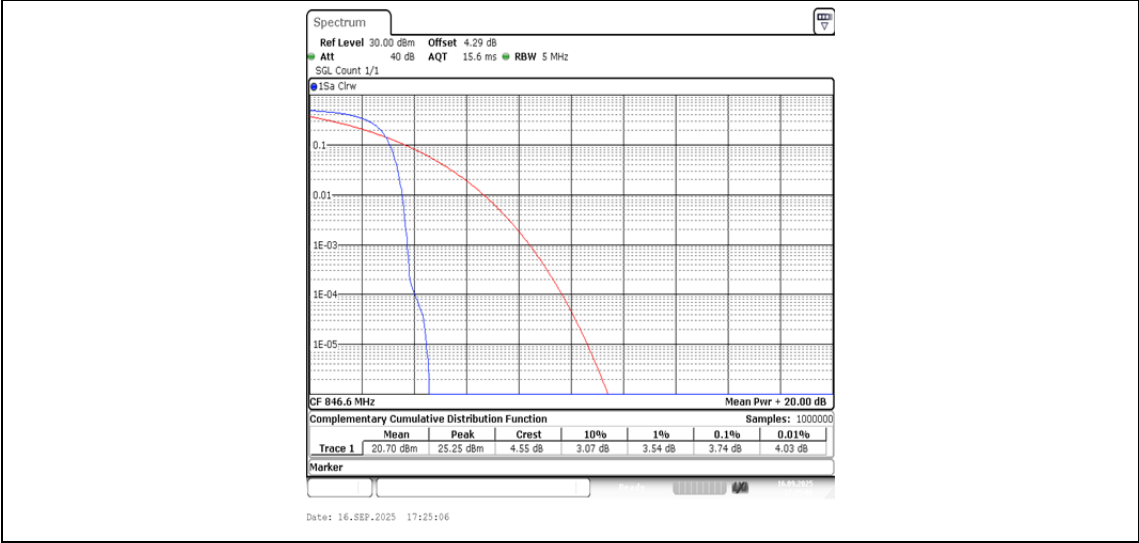
Band5-4233-1-PASS



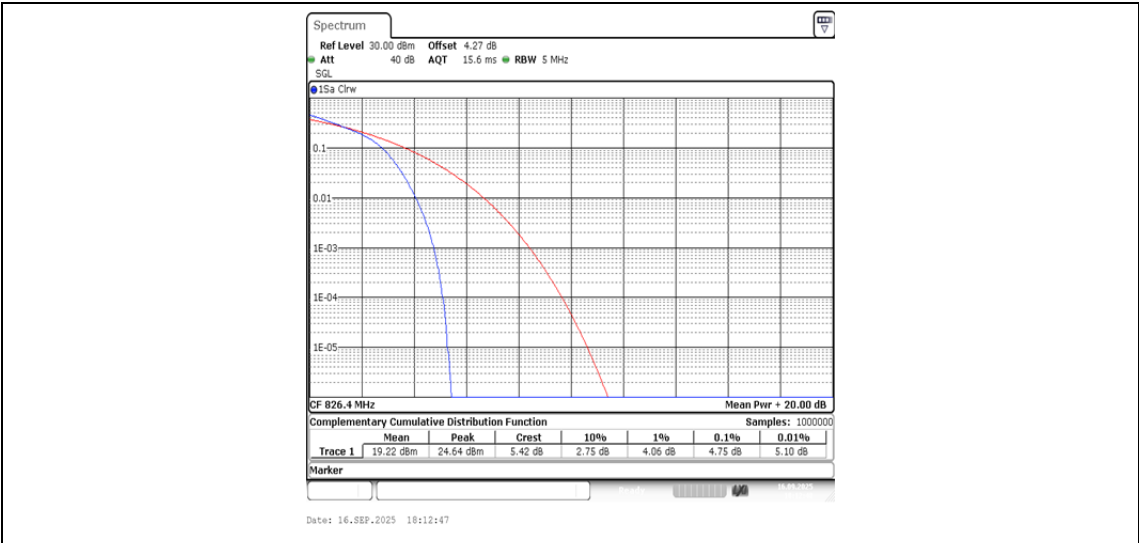
Band5-4233-2-PASS



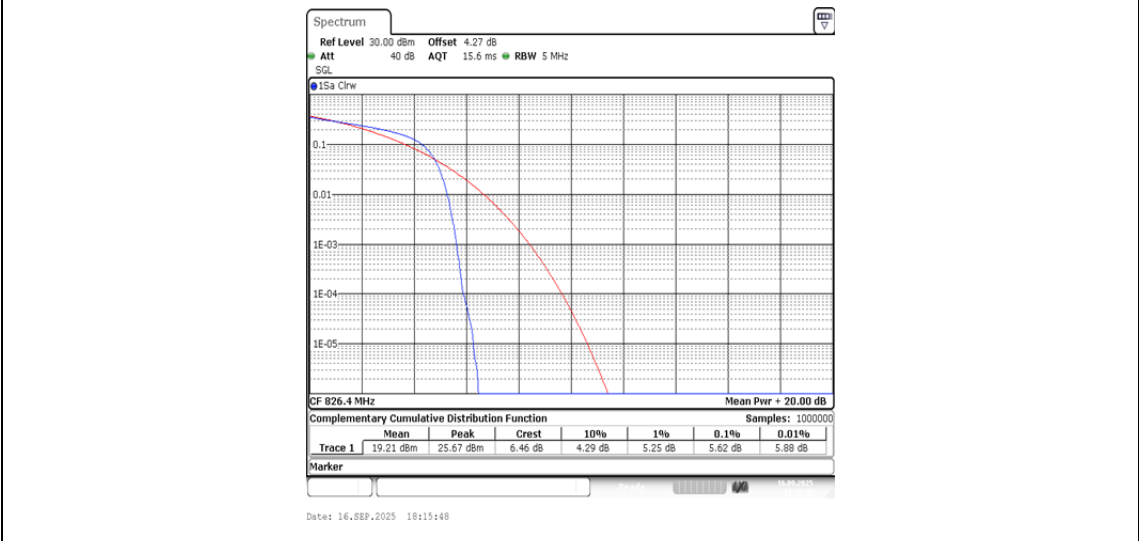
Band5-4233-3-PASS



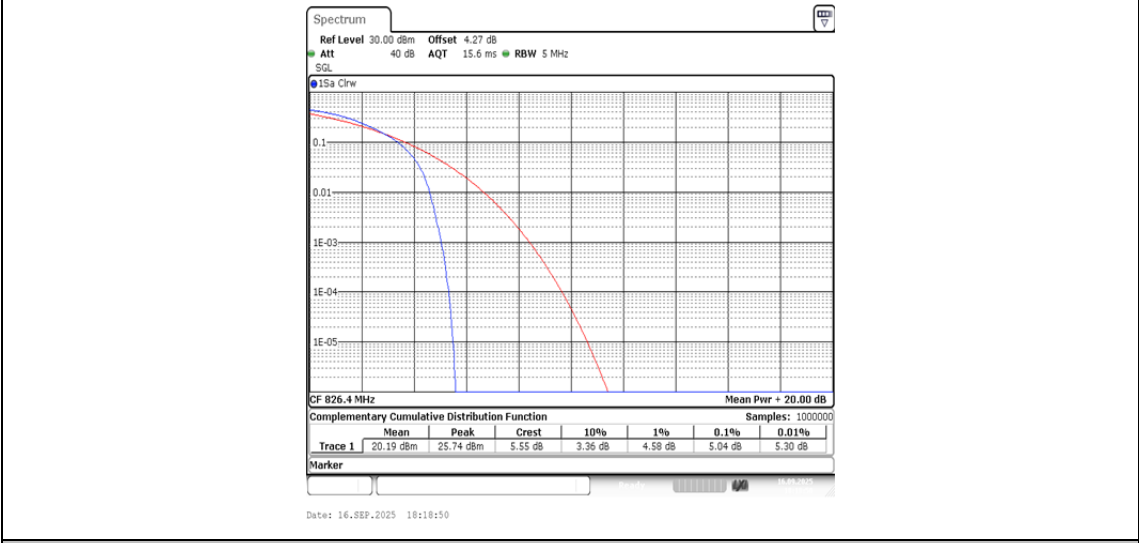
Band5-4233-4-PASS



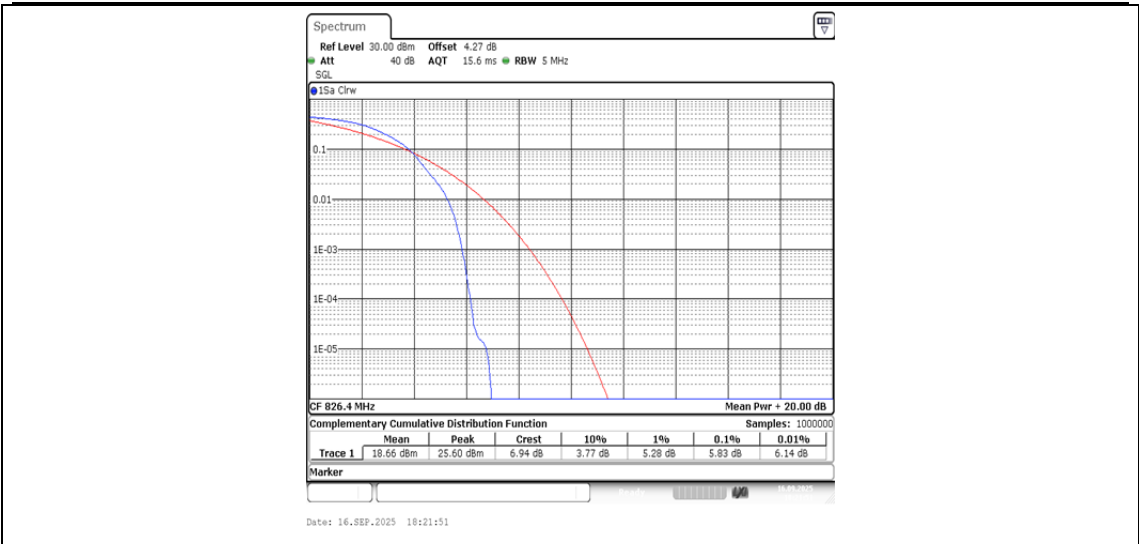
Band5-4132-1-PASS



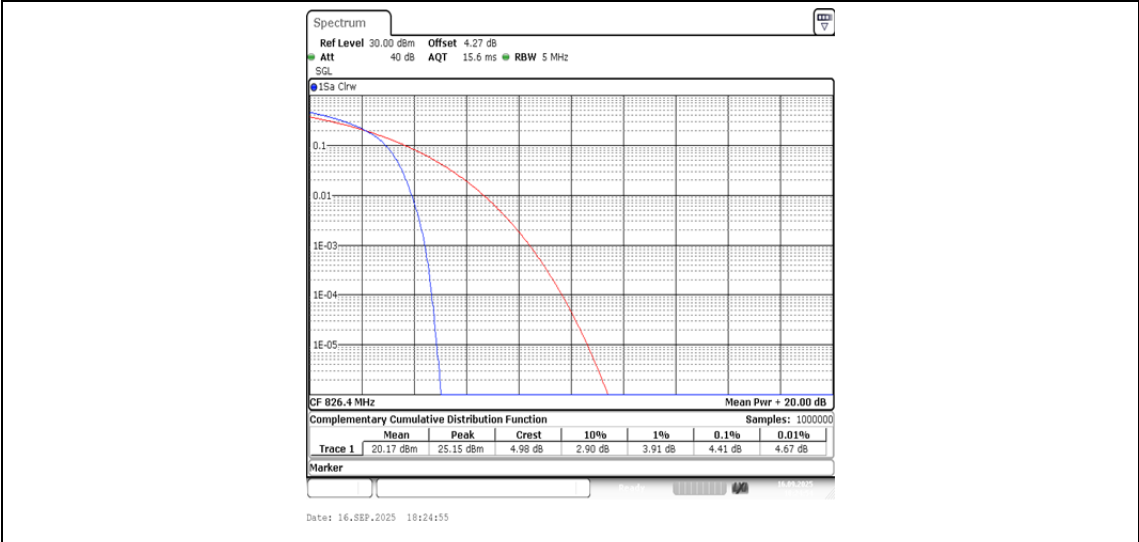
Band5-4132-2-PASS



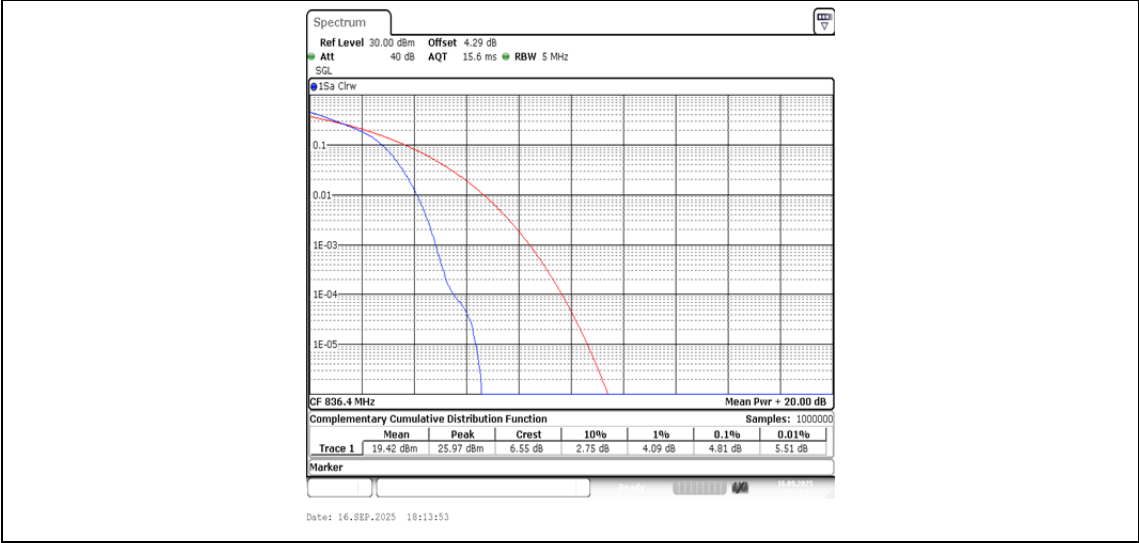
Band5-4132-3-PASS



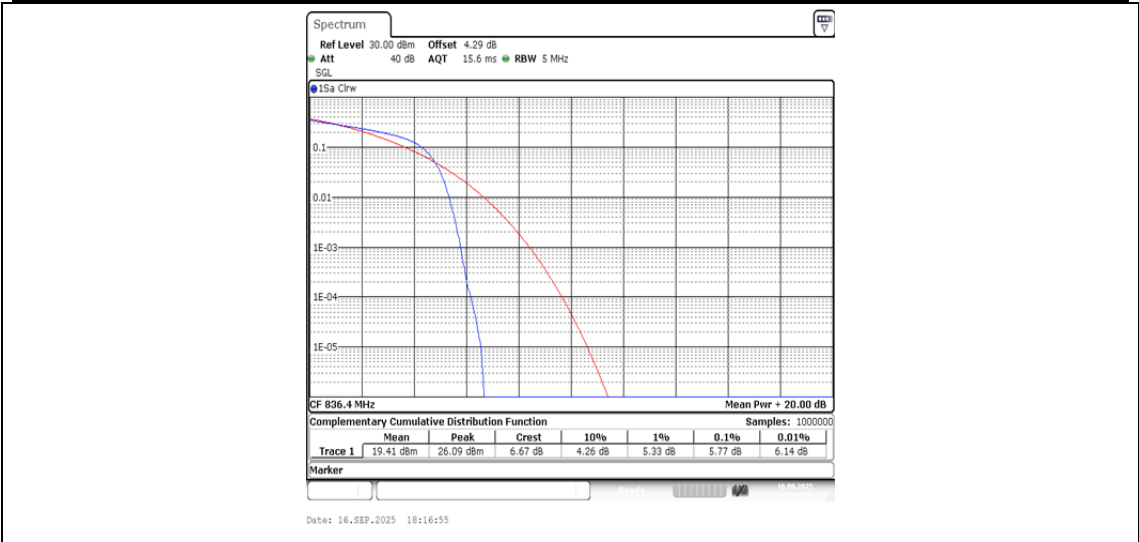
Band5-4132-4-PASS



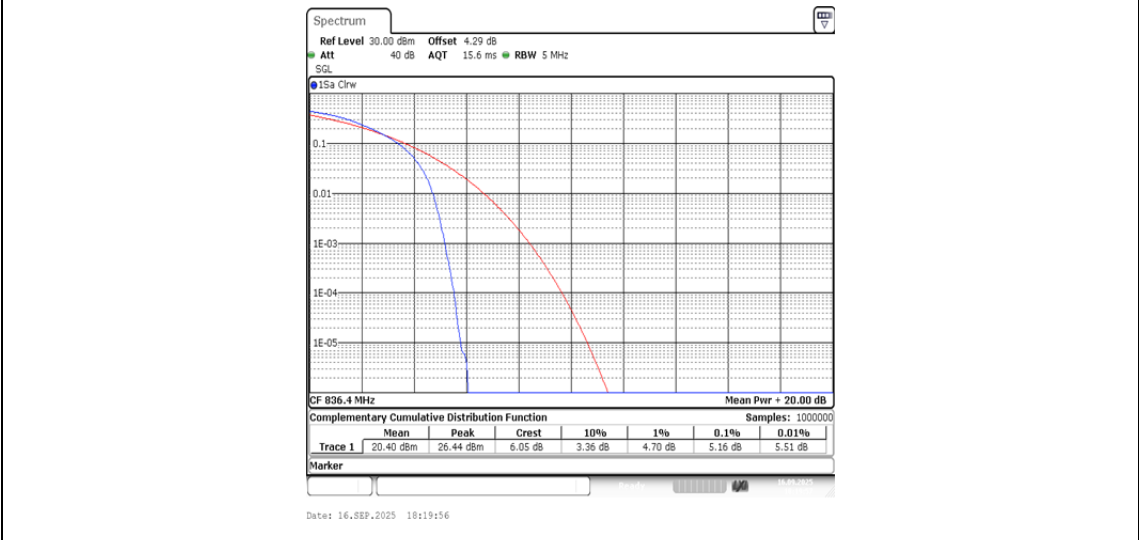
Band5-4132-5-PASS



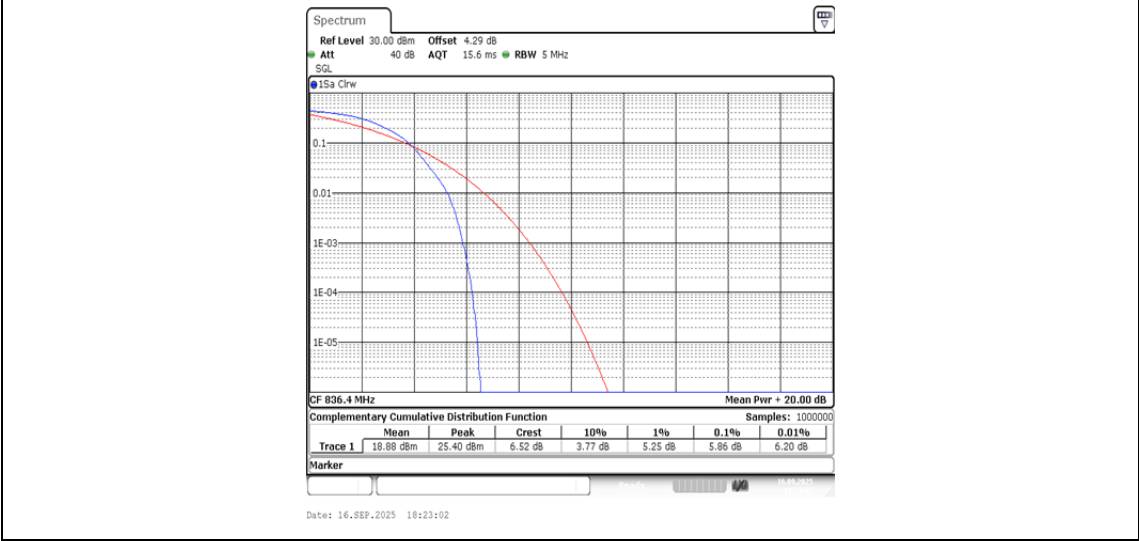
Band5-4182-1-PASS



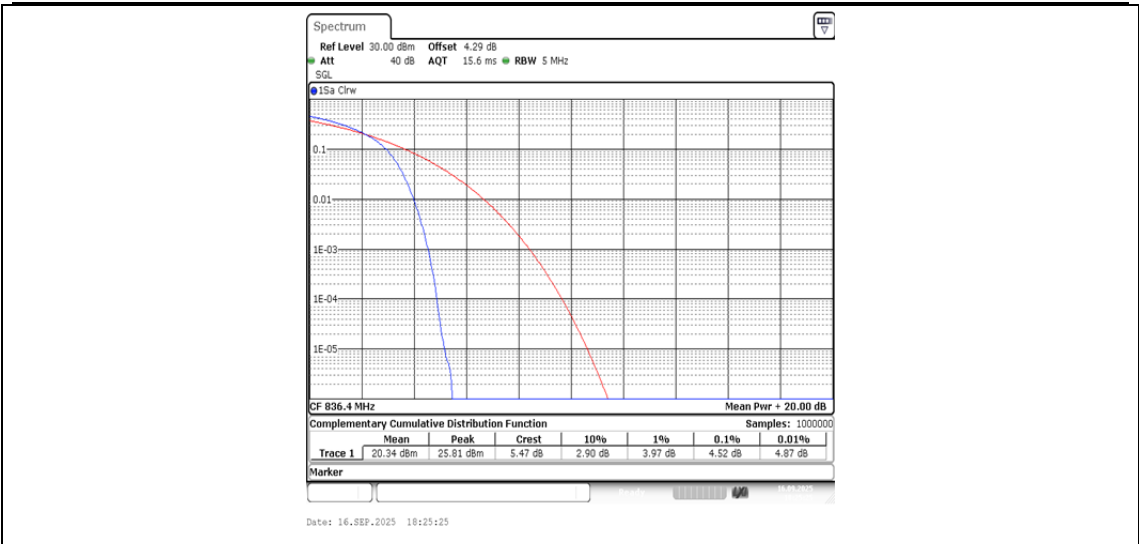
Band5-4182-2-PASS



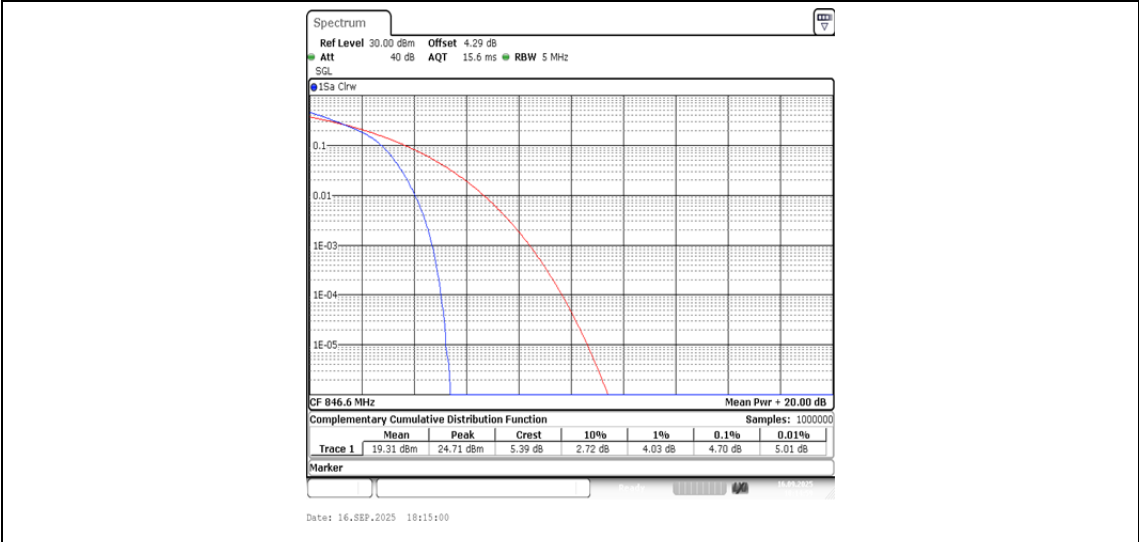
Band5-4182-3-PASS



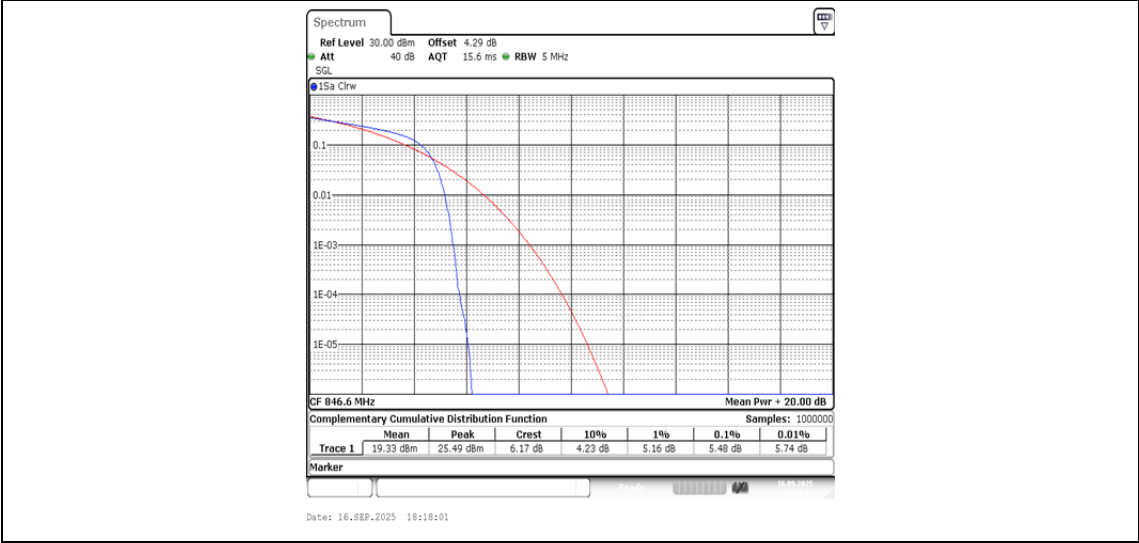
Band5-4182-4-PASS



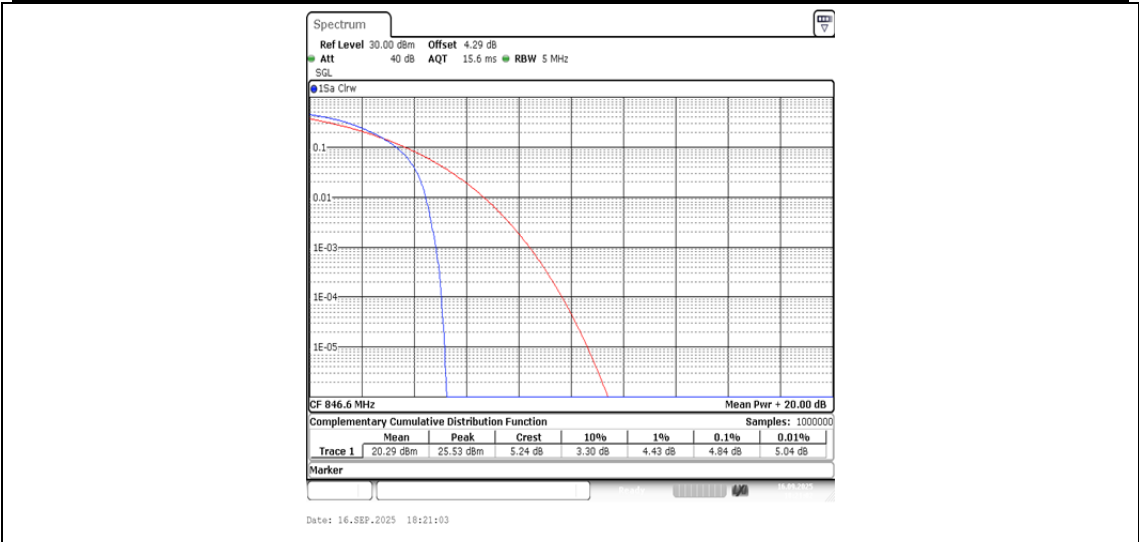
Band5-4182-5-PASS



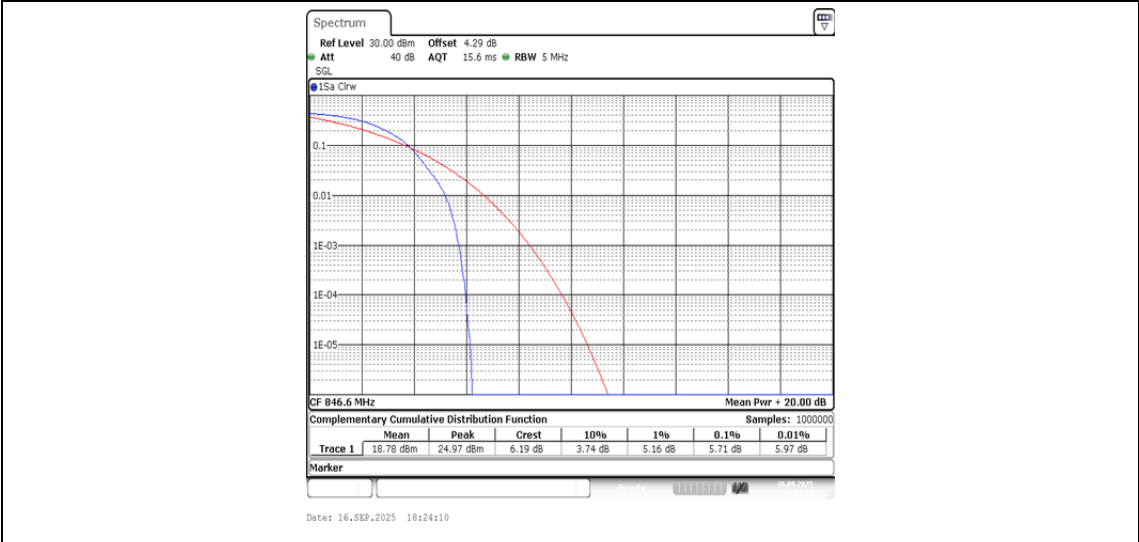
Band5-4233-1-PASS



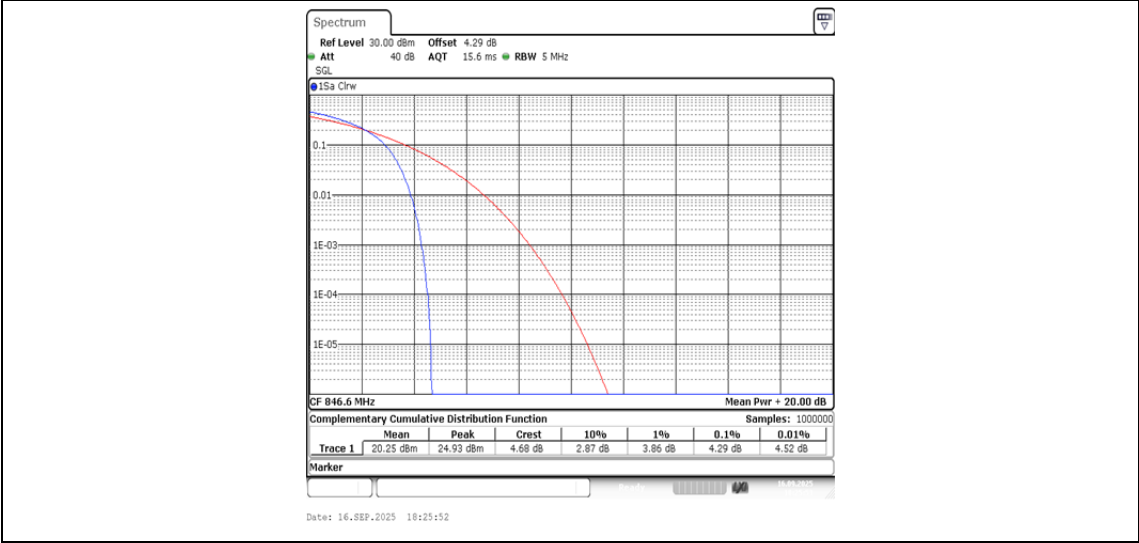
Band5-4233-2-PASS



Band5-4233-3-PASS



Band5-4233-4-PASS



Band5-4233-5-PASS

AppendixC:26dB Bandwidth andOccupied Bandwidth

Test Result

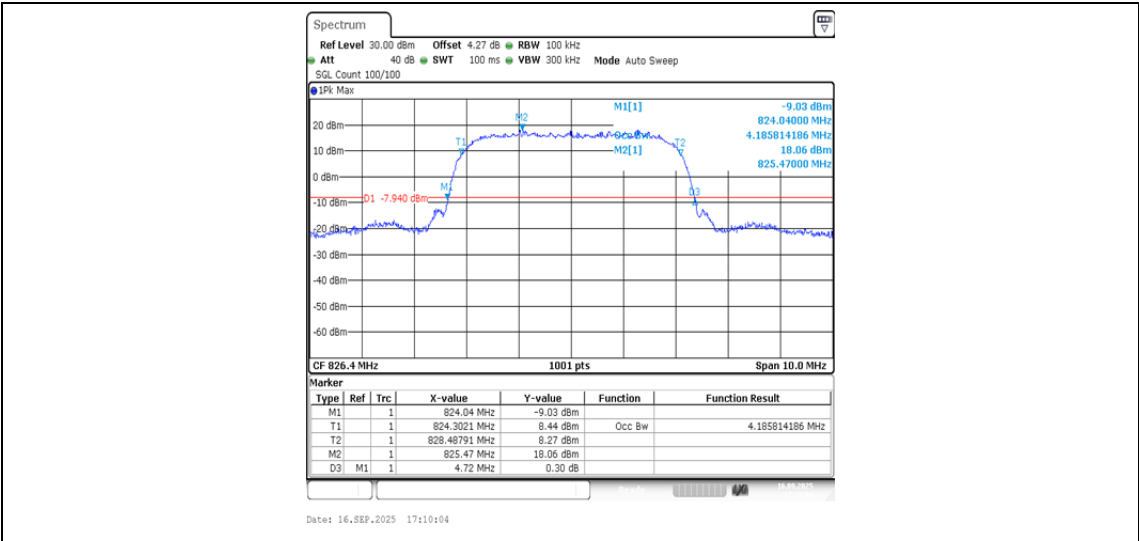
Band	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit(MHz)	Verdict
Band5	4132	4.186	4.72	---	PASS
Band5	4182	4.186	4.71	---	PASS
Band5	4233	4.176	4.73	---	PASS

Band	Channel	SubTest	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit(MHz)	Verdict
Band5	4132	1	4.176	4.72	---	PASS
Band5	4132	2	4.176	4.75	---	PASS
Band5	4132	3	4.186	4.75	---	PASS
Band5	4132	4	4.186	4.76	---	PASS
Band5	4182	1	4.176	4.71	---	PASS
Band5	4182	2	4.186	4.73	---	PASS
Band5	4182	3	4.186	4.75	---	PASS
Band5	4182	4	4.196	4.77	---	PASS
Band5	4233	1	4.176	4.73	---	PASS
Band5	4233	2	4.166	4.73	---	PASS
Band5	4233	3	4.176	4.75	---	PASS
Band5	4233	4	4.176	4.75	---	PASS

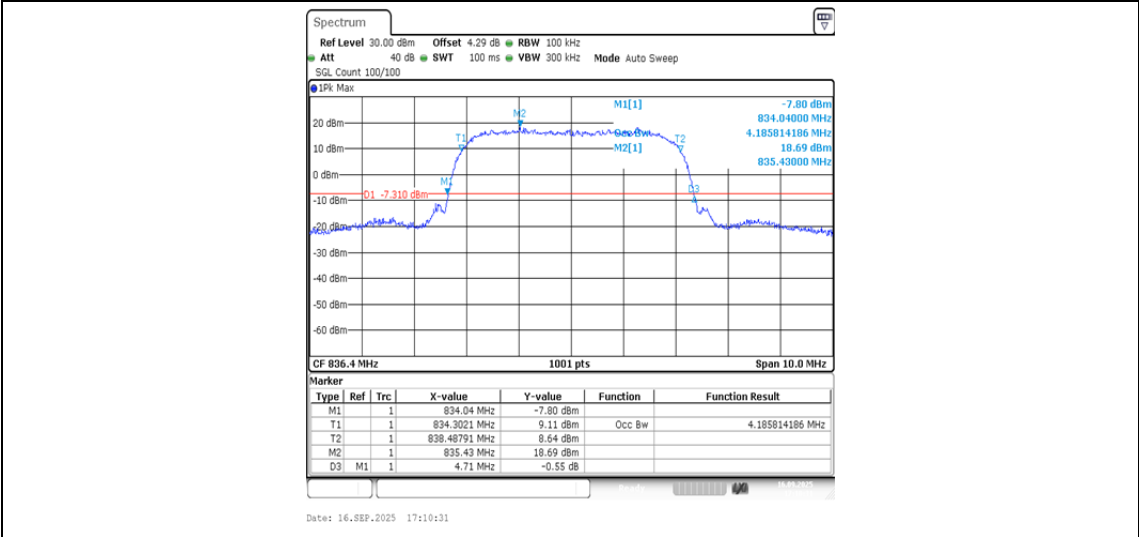
Band	Channel	SubTest	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit(MHz)	Verdict
Band5	4132	1	4.196	4.74	---	PASS
Band5	4132	2	4.206	4.76	---	PASS
Band5	4132	3	4.206	4.72	---	PASS
Band5	4132	4	4.206	4.75	---	PASS
Band5	4132	5	4.176	4.73	---	PASS
Band5	4182	1	4.236	5.51	---	PASS
Band5	4182	2	4.216	4.76	---	PASS
Band5	4182	3	4.206	4.73	---	PASS
Band5	4182	4	4.216	4.77	---	PASS
Band5	4182	5	4.176	4.73	---	PASS
Band5	4233	1	4.196	4.72	---	PASS

Band5	4233	2	4.186	4.74	---	PASS
Band5	4233	3	4.196	4.73	---	PASS
Band5	4233	4	4.206	4.77	---	PASS
Band5	4233	5	4.166	4.72	---	PASS

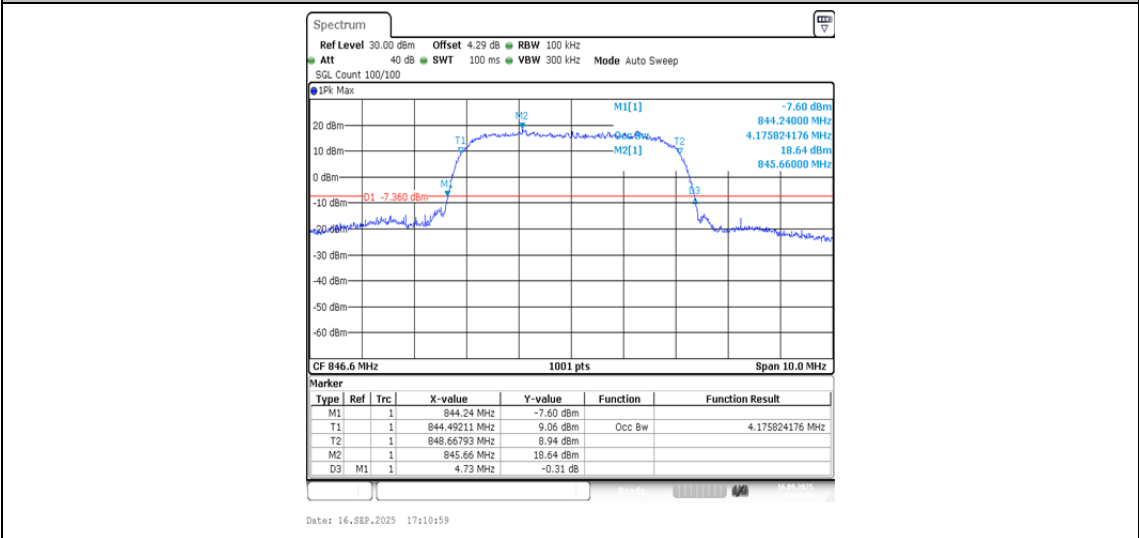
Test Graphs



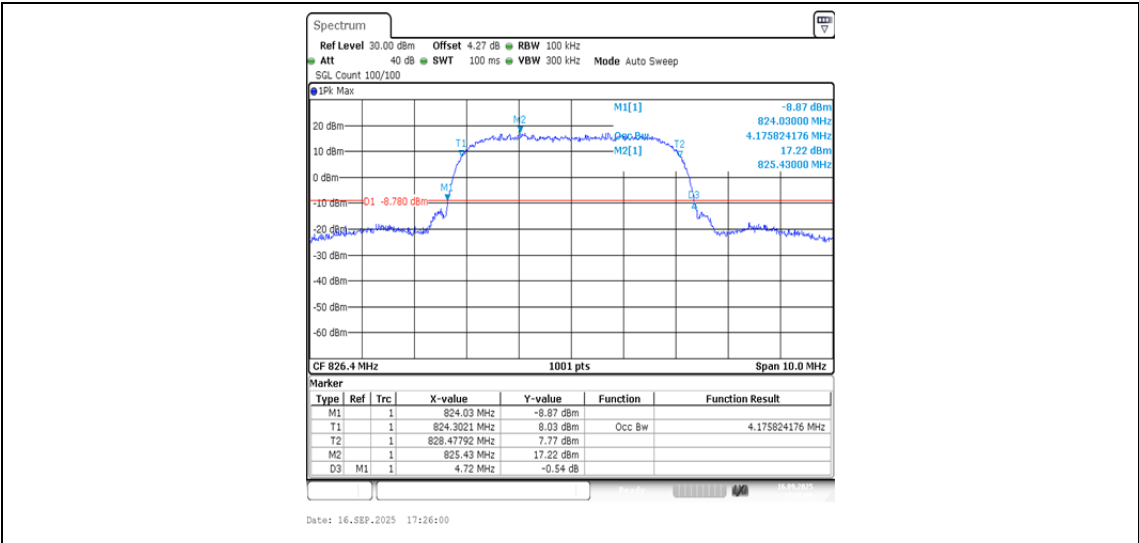
Band5-4132-PASS



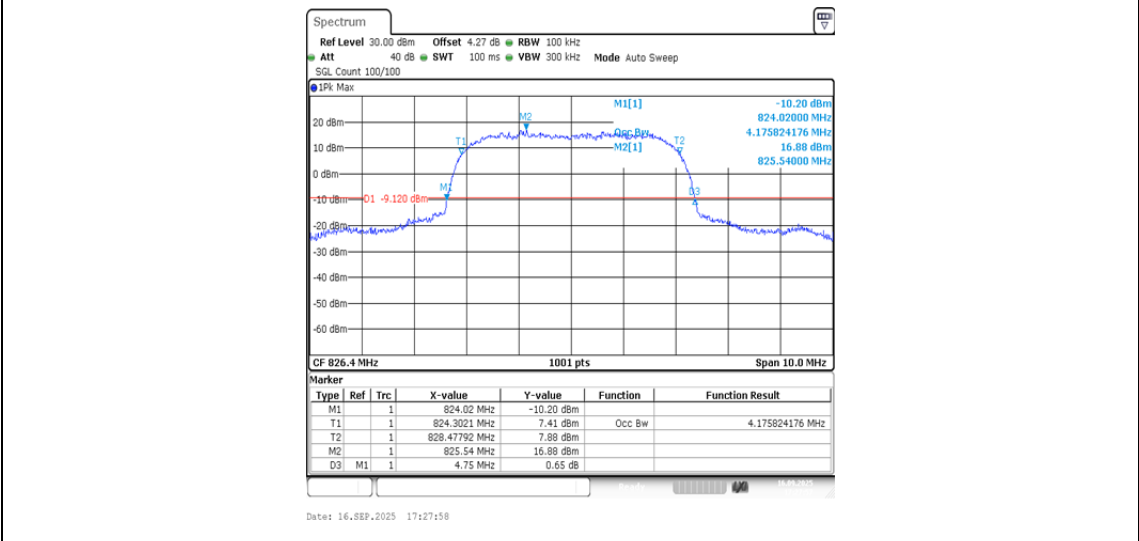
Band5-4182-PASS



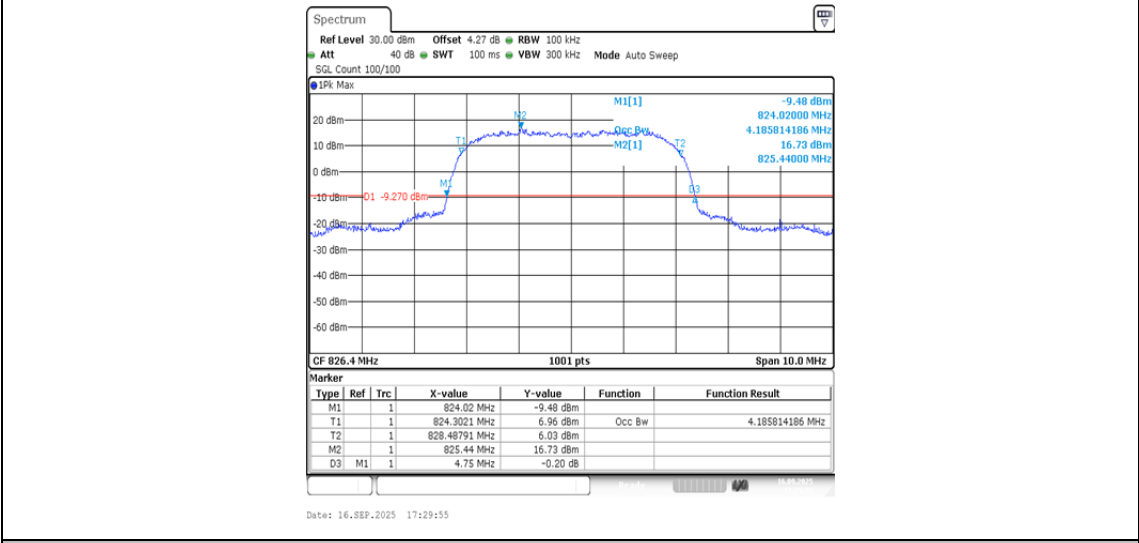
Band5-4233-PASS



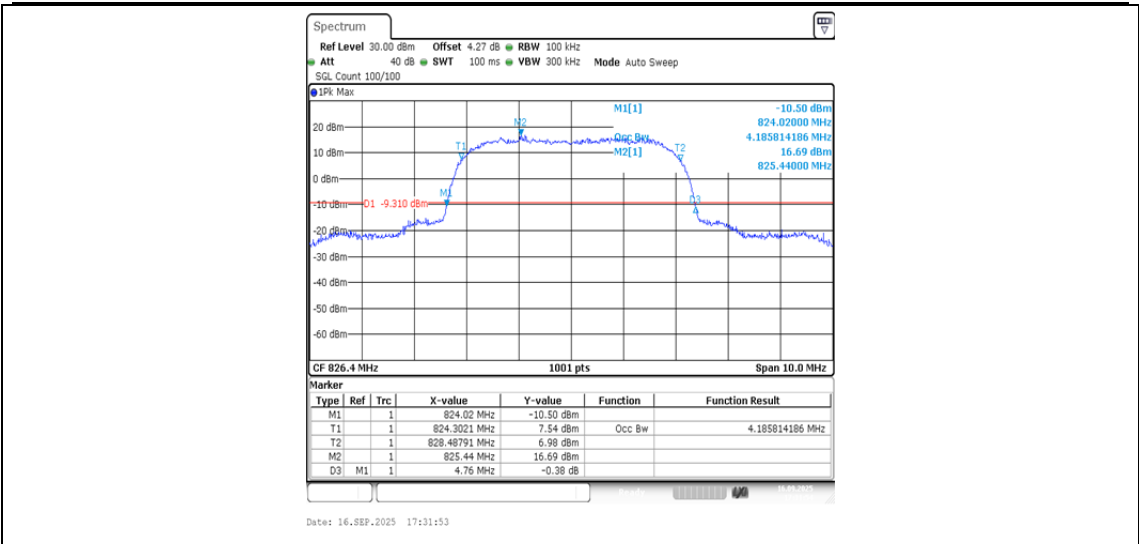
Band5-4132-1-PASS



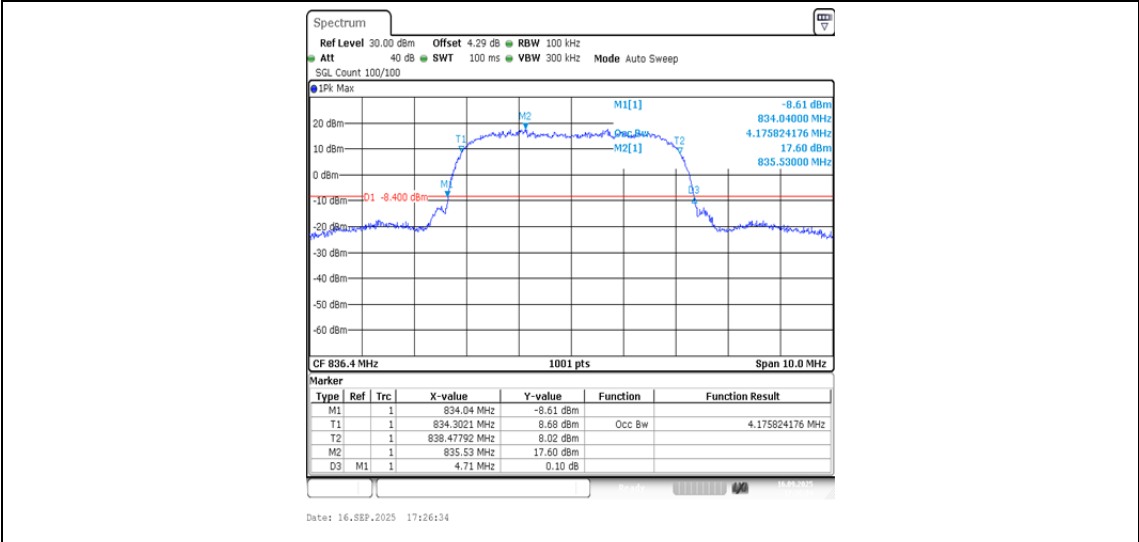
Band5-4132-2-PASS



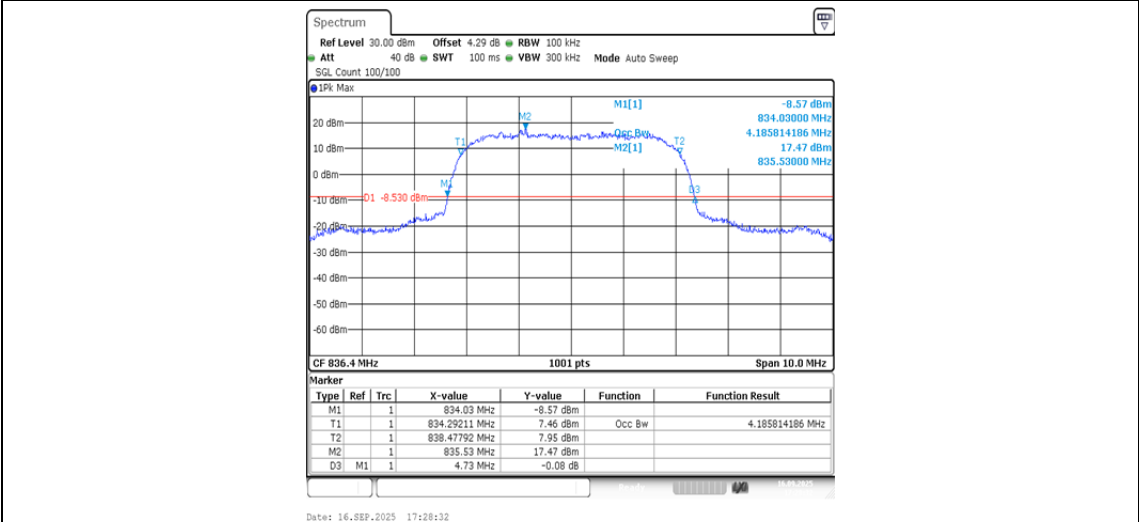
Band5-4132-3-PASS



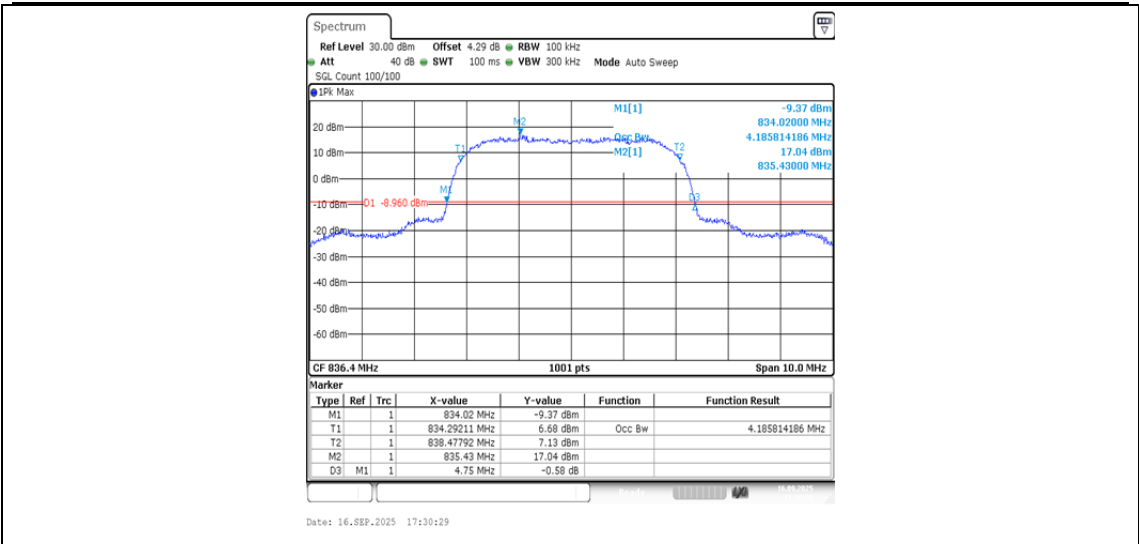
Band5-4132-4-PASS



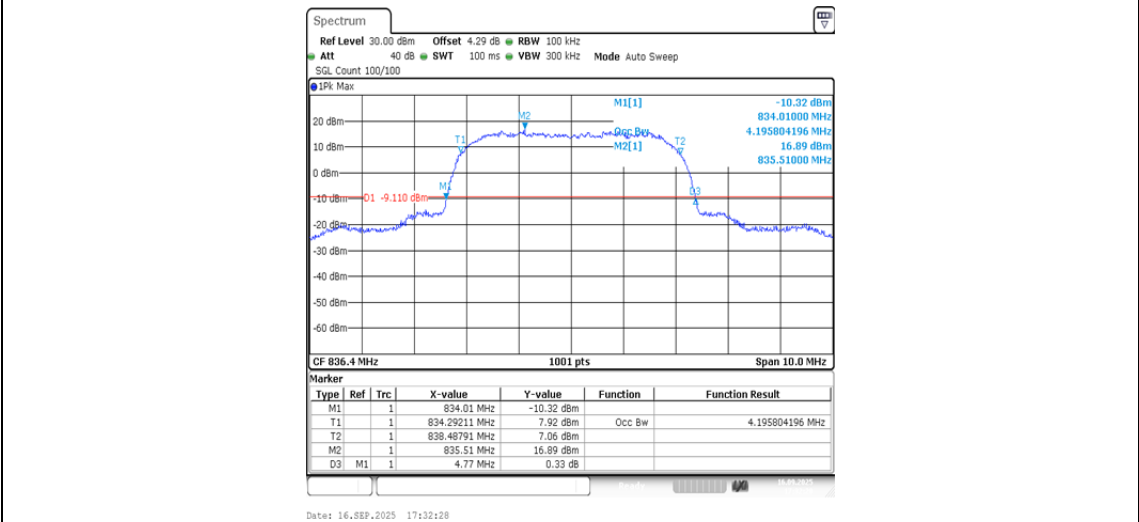
Band5-4182-1-PASS



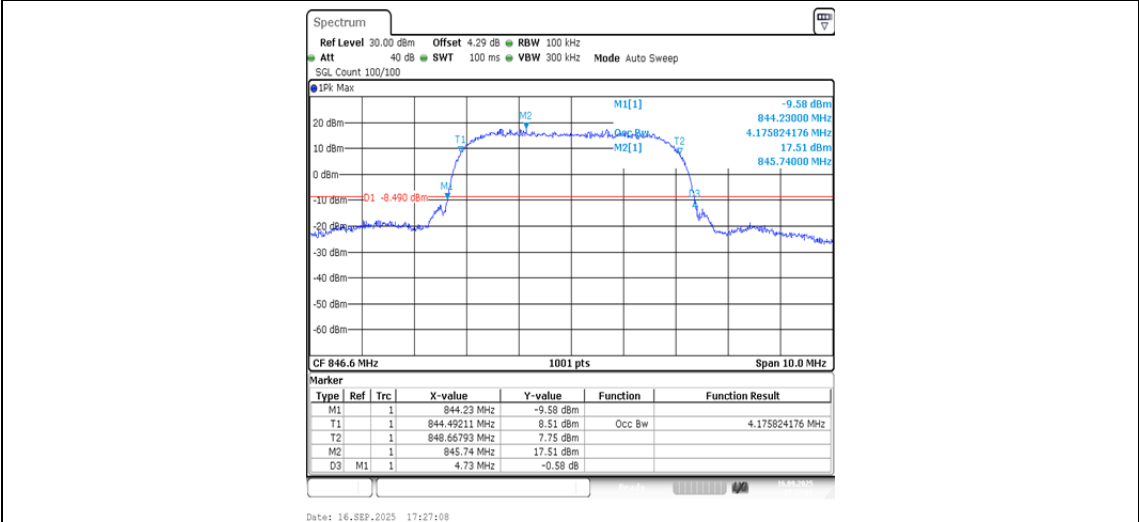
Band5-4182-2-PASS



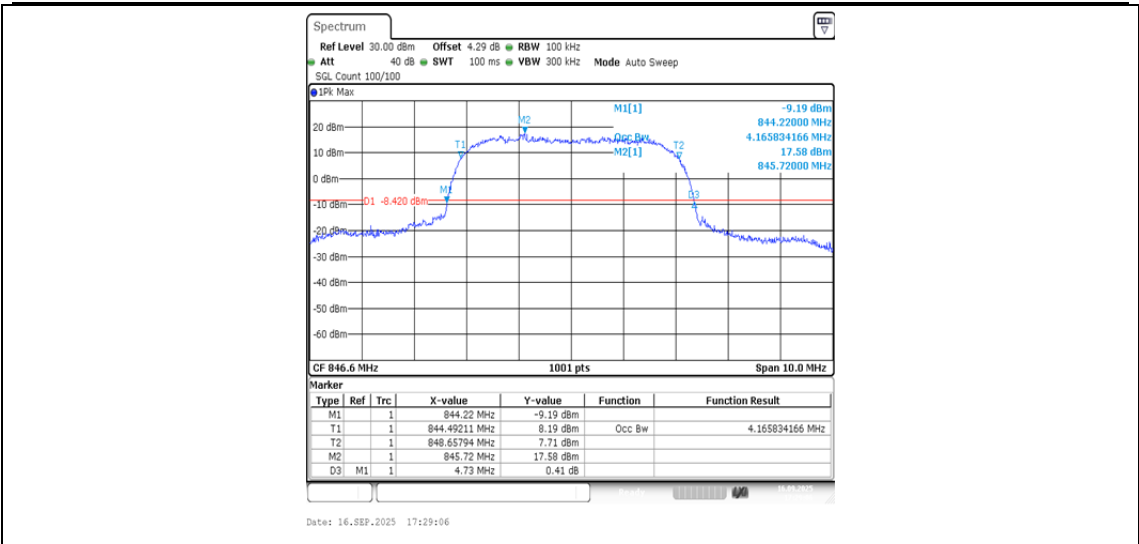
Band5-4182-3-PASS



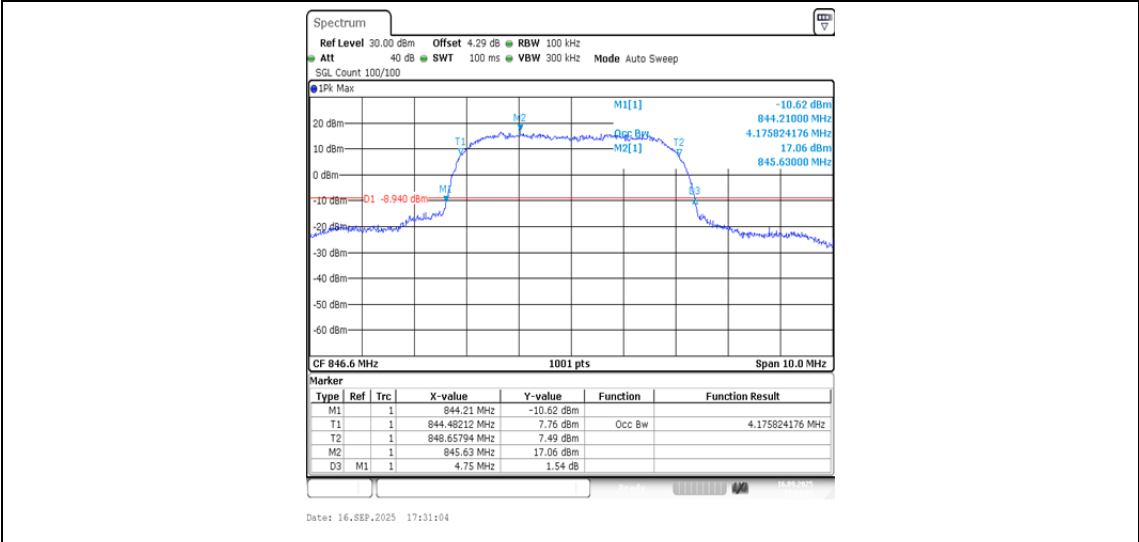
Band5-4182-4-PASS



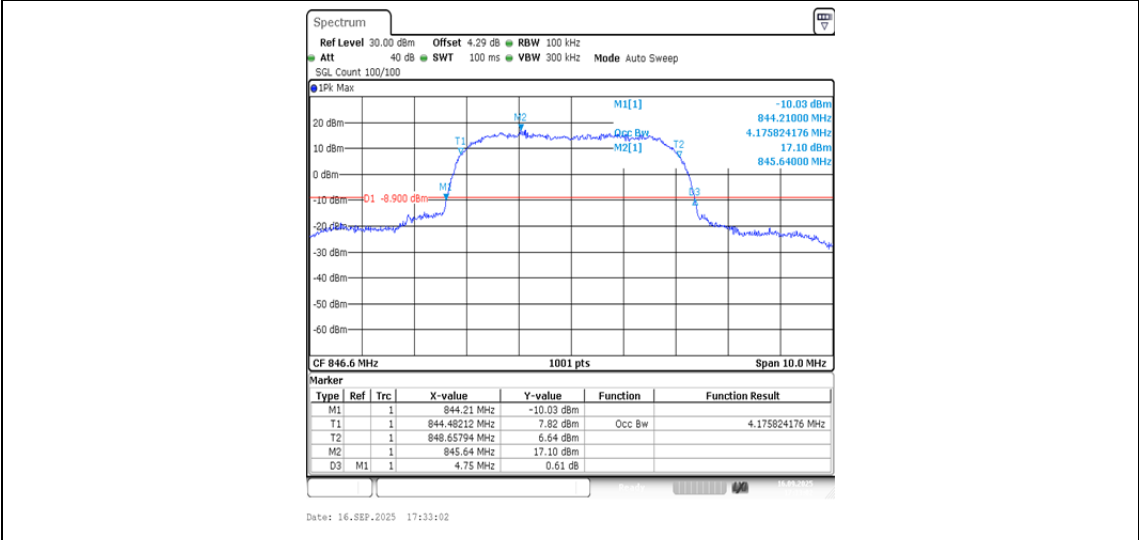
Band5-4233-1-PASS



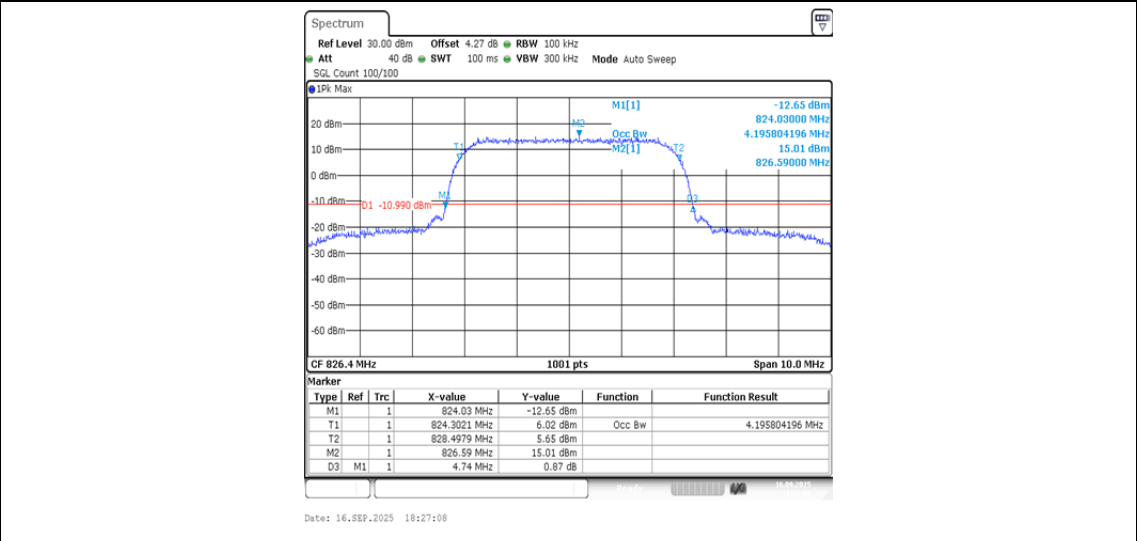
Band5-4233-2-PASS



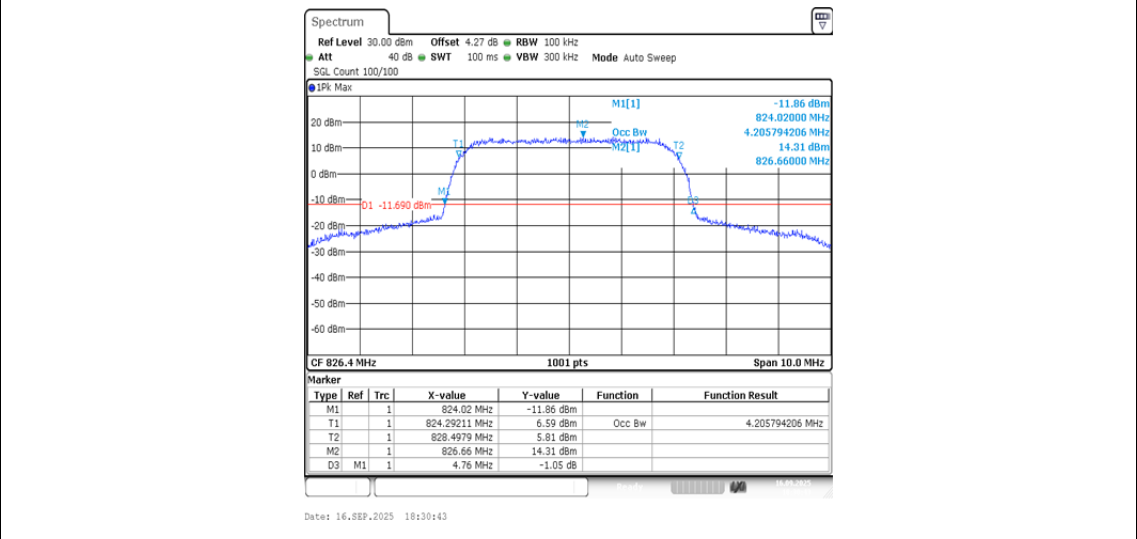
Band5-4233-3-PASS



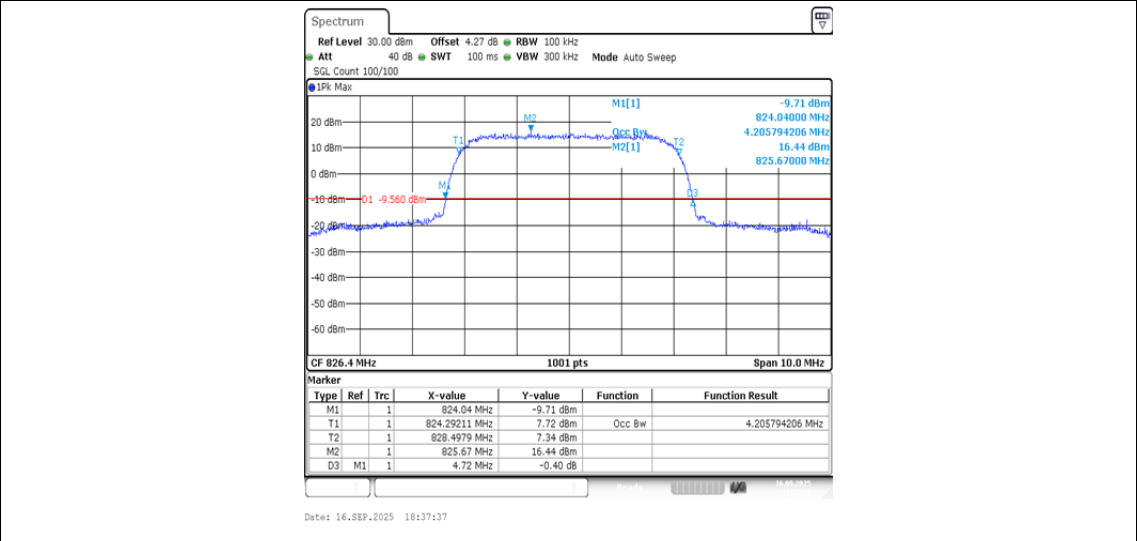
Band5-4233-4-PASS



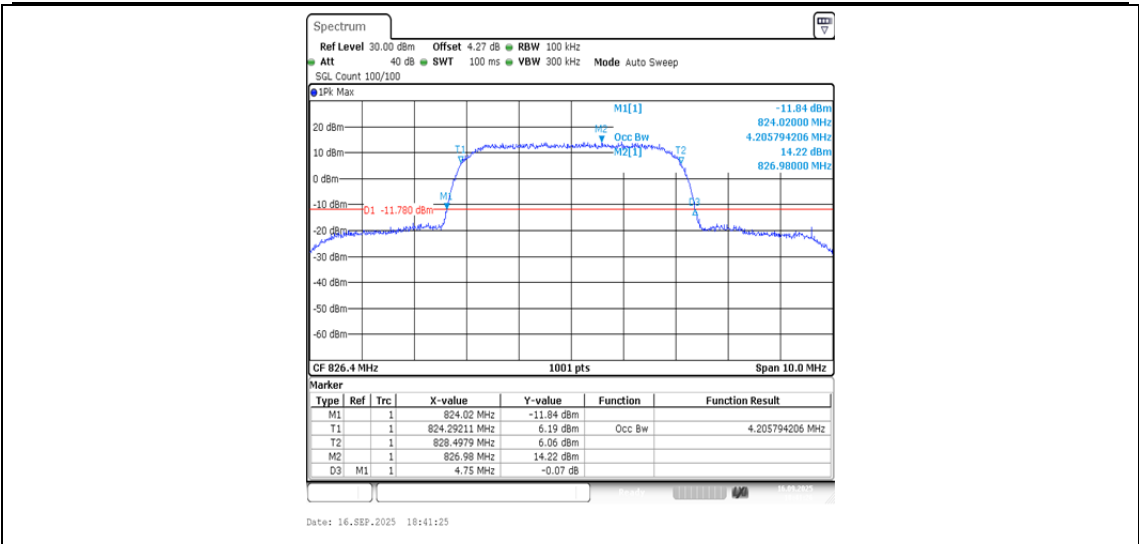
Band5-4132-1-PASS



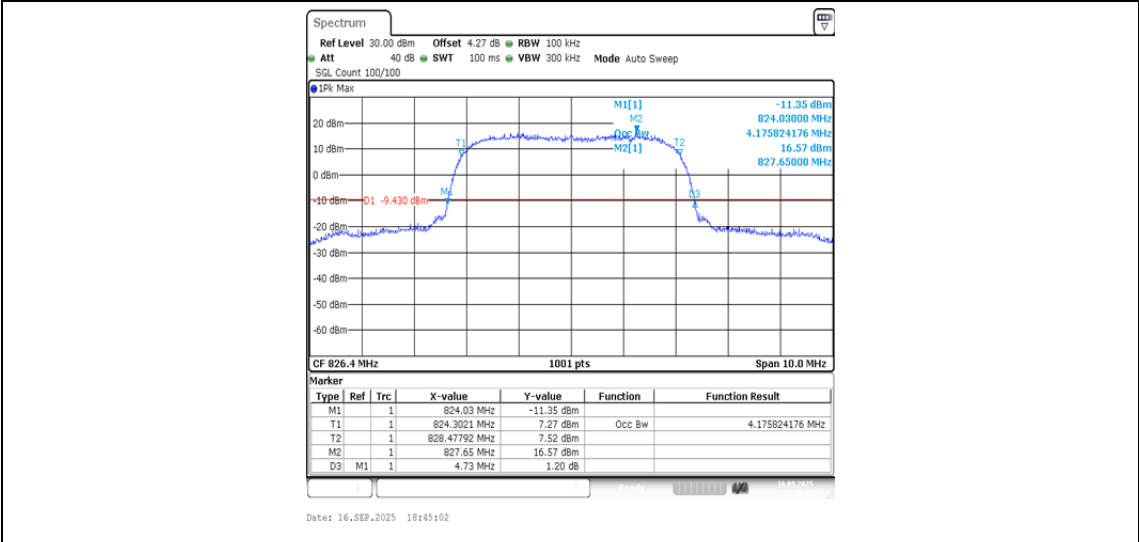
Band5-4132-2-PASS



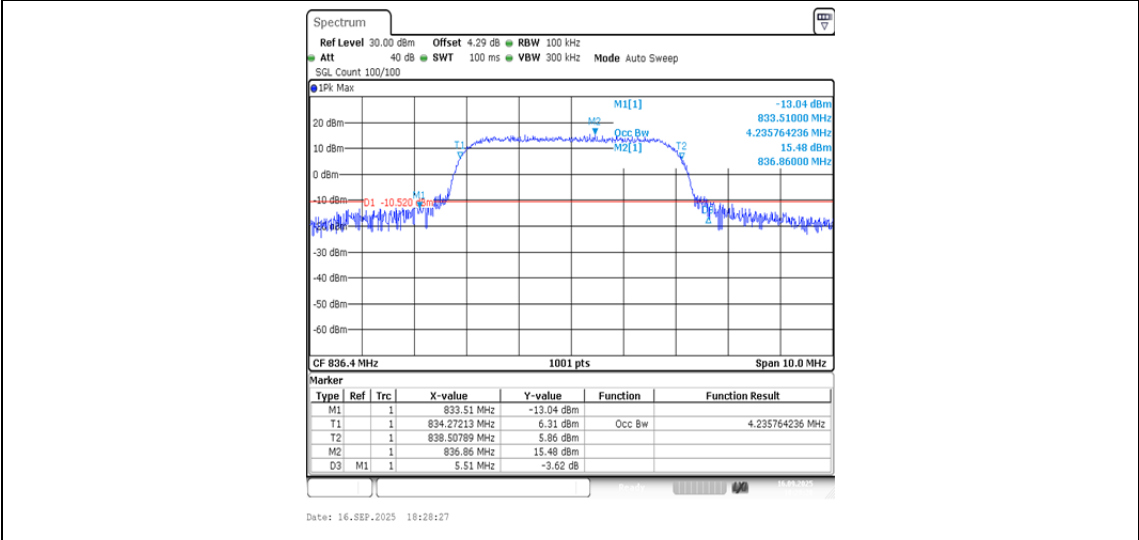
Band5-4132-3-PASS



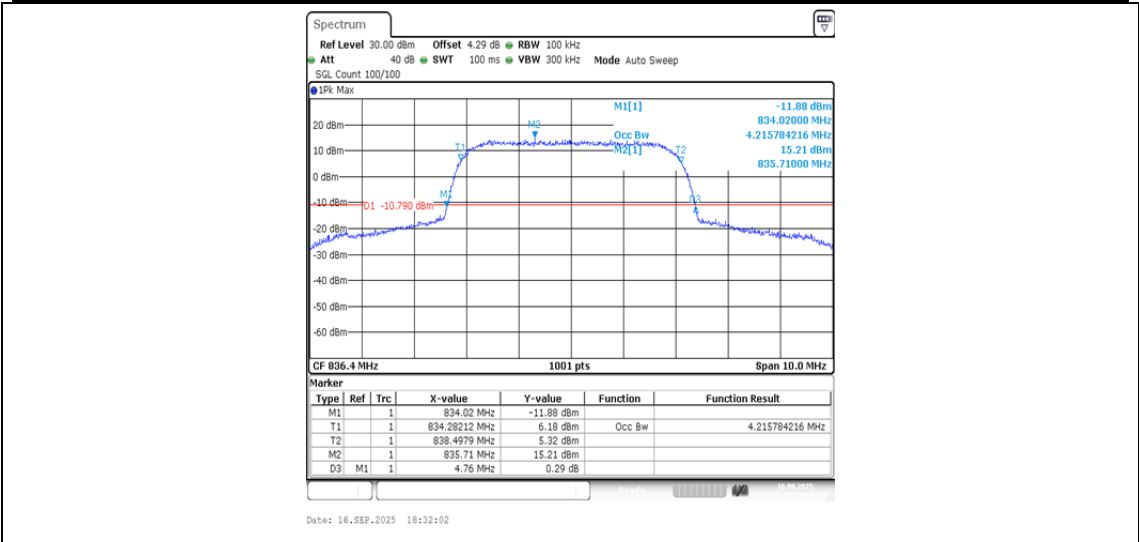
Band5-4132-4-PASS



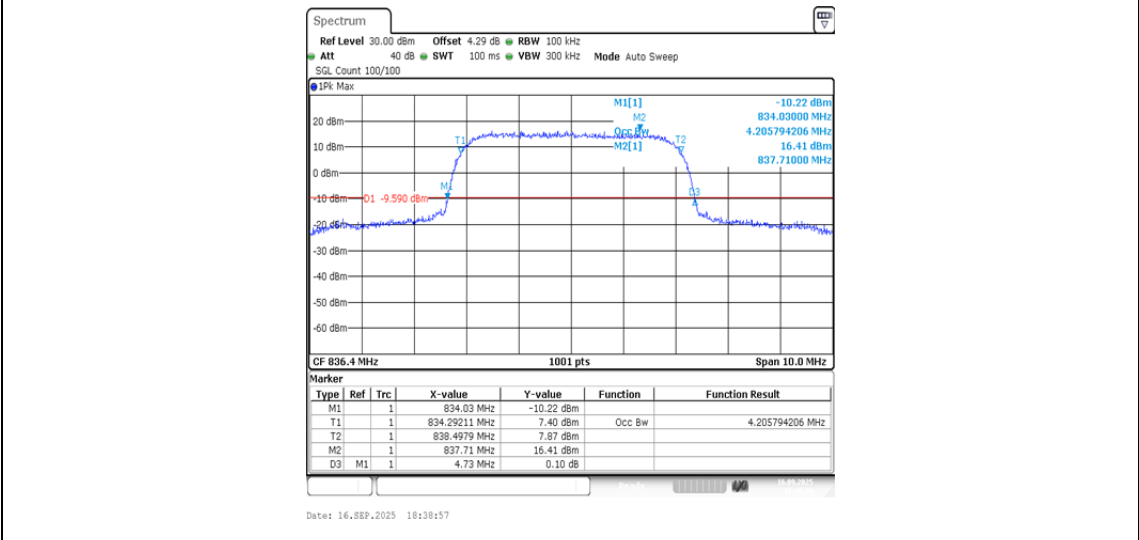
Band5-4132-5-PASS



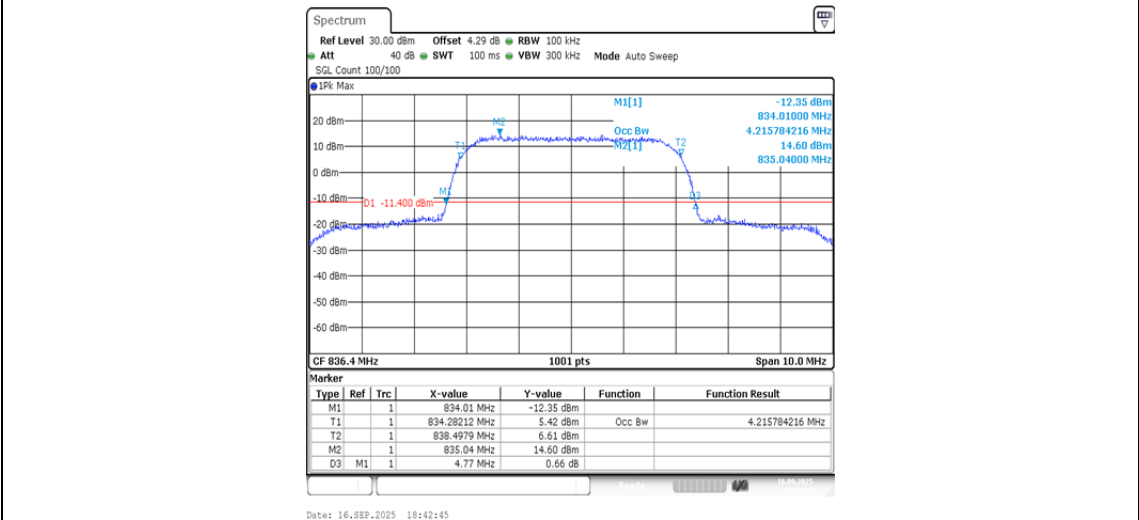
Band5-4182-1-PASS



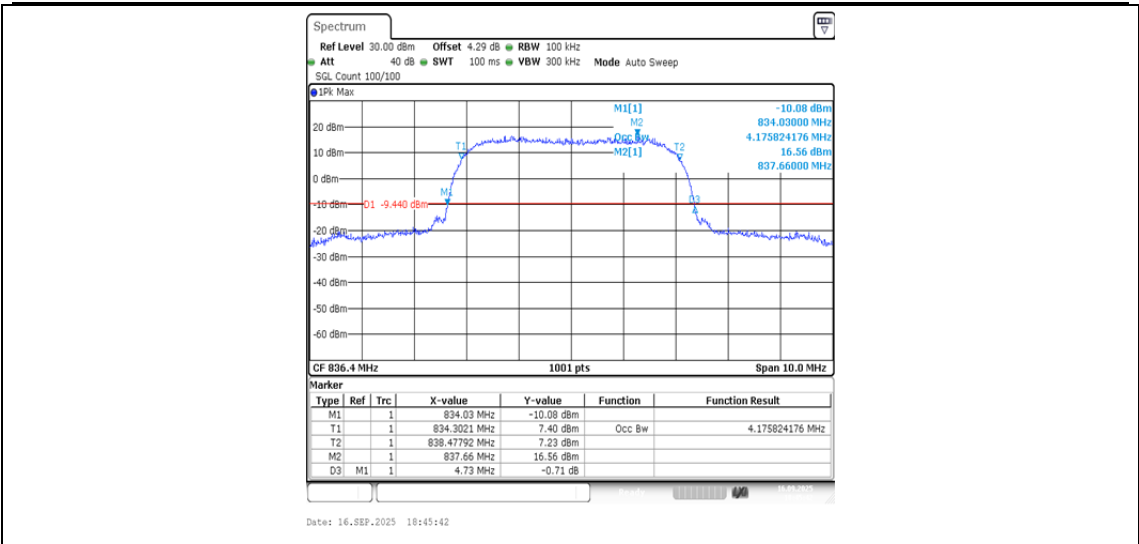
Band5-4182-2-PASS



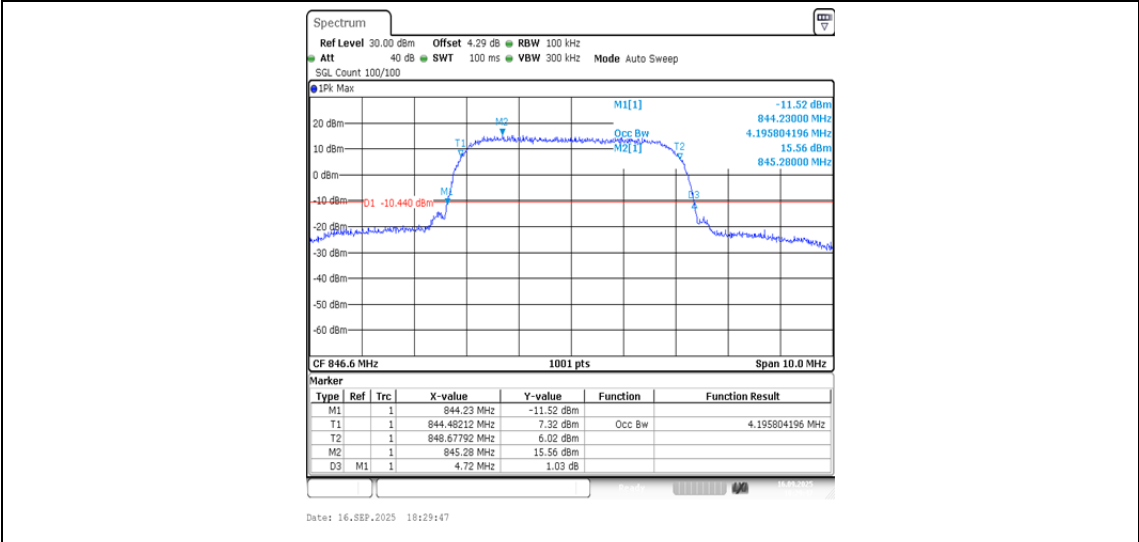
Band5-4182-3-PASS



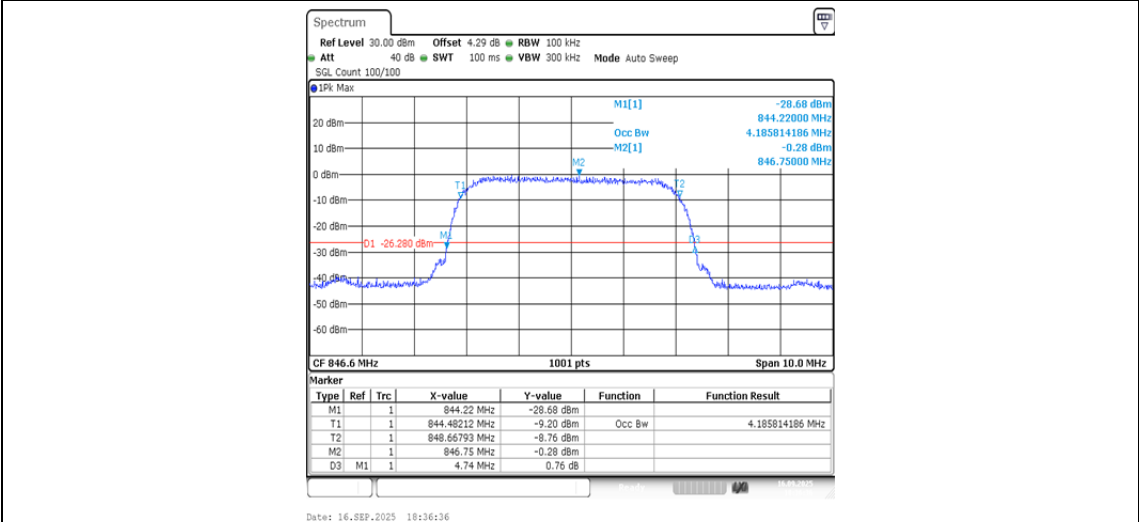
Band5-4182-4-PASS



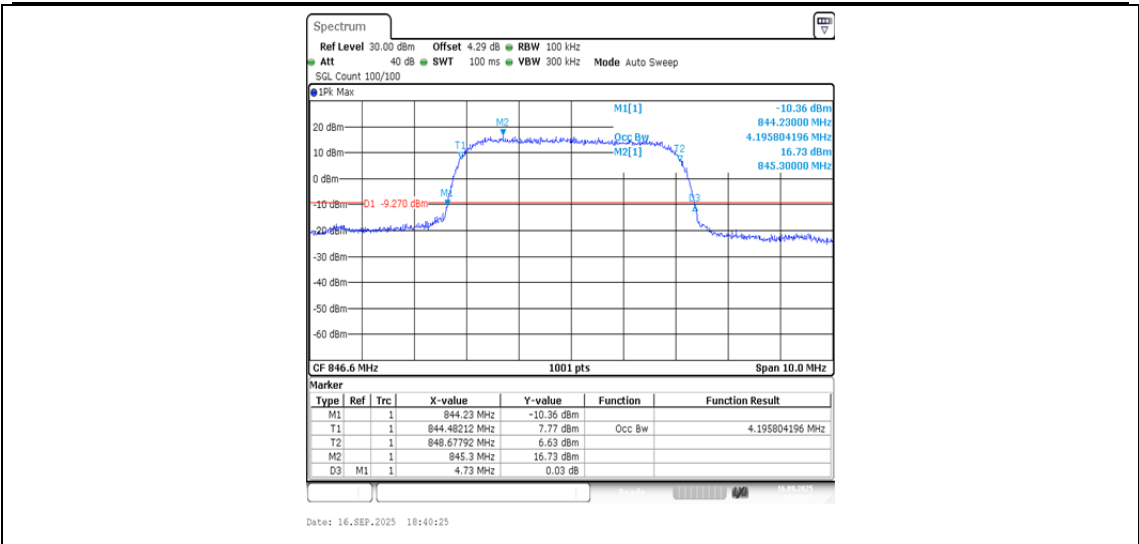
Band5-4182-5-PASS



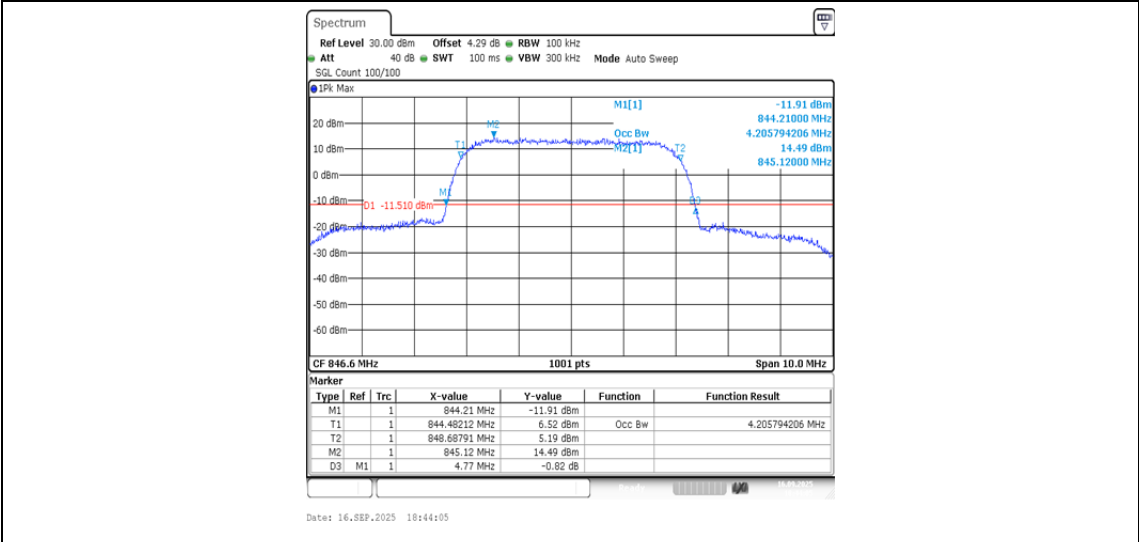
Band5-4233-1-PASS



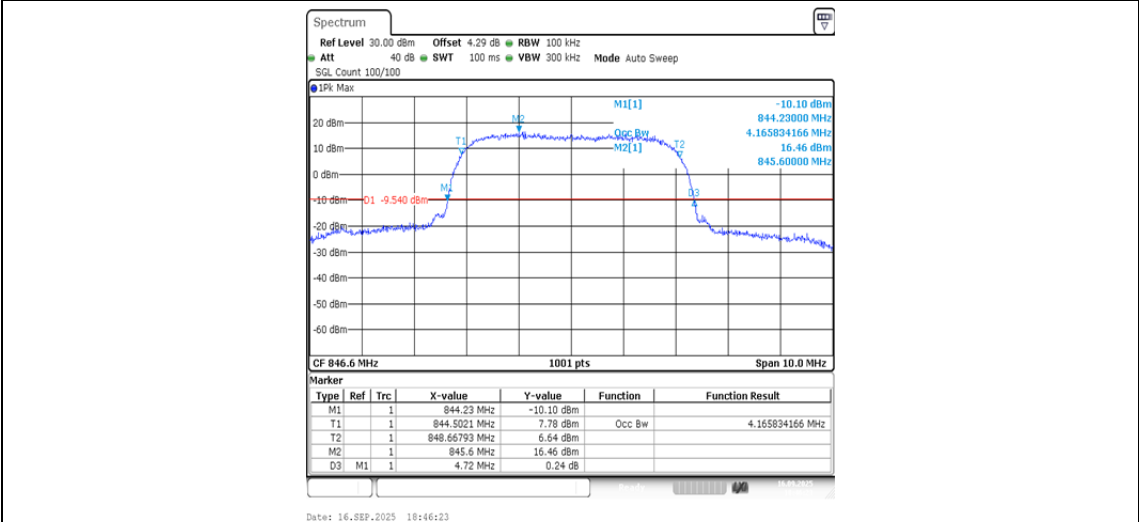
Band5-4233-2-PASS



Band5-4233-3-PASS



Band5-4233-4-PASS



Band5-4233-5-PASS

AppendixD:Band Edge

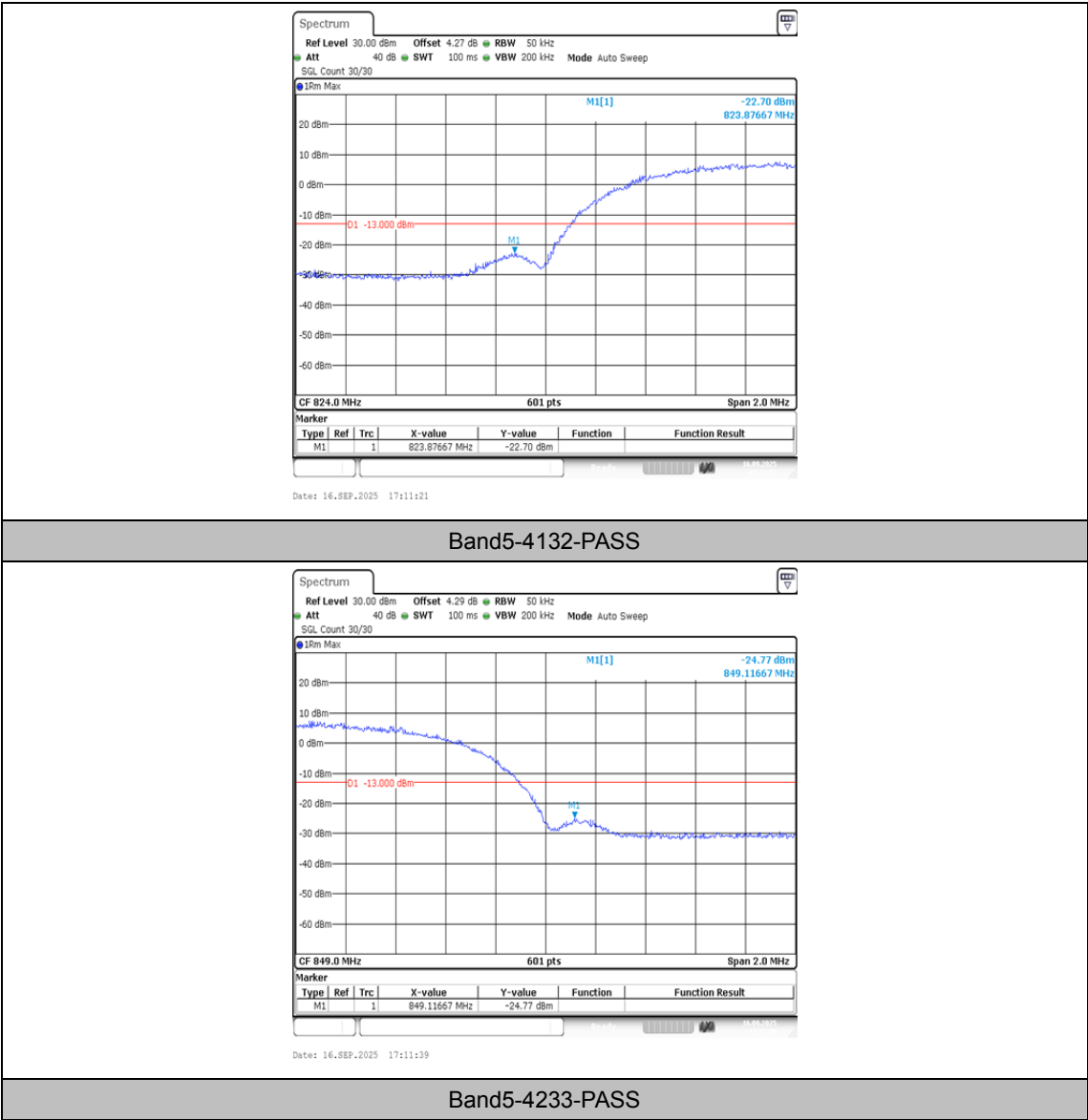
Test Result

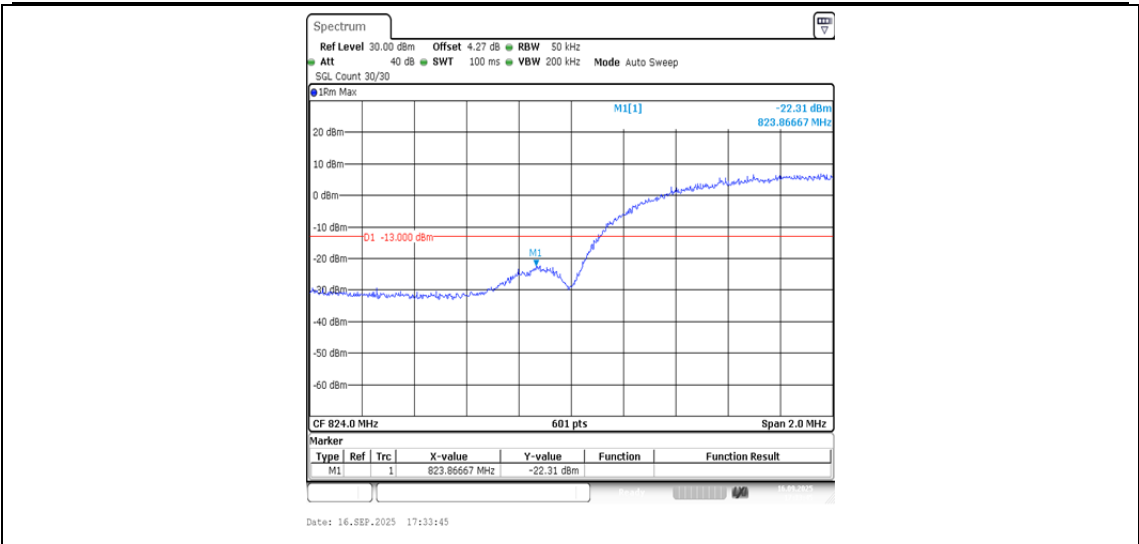
Band	Channel	Frequency (MHz)	Result (dBm)	Limit(dBm)	Verdict
Band5	4132	823.88	-22.70	-13	PASS
Band5	4233	849.12	-24.77	-13	PASS

Band	Channel	SubTest	Frequency (MHz)	Result (dBm)	Limit(dBm)	Verdict
Band5	4132	1	823.87	-22.31	-13	PASS
Band5	4132	2	823.88	-24.80	-13	PASS
Band5	4132	3	823.99	-23.37	-13	PASS
Band5	4132	4	823.99	-23.50	-13	PASS
Band5	4233	1	849.12	-24.94	-13	PASS
Band5	4233	2	849.13	-24.70	-13	PASS
Band5	4233	3	849.00	-25.18	-13	PASS
Band5	4233	4	849.00	-25.20	-13	PASS

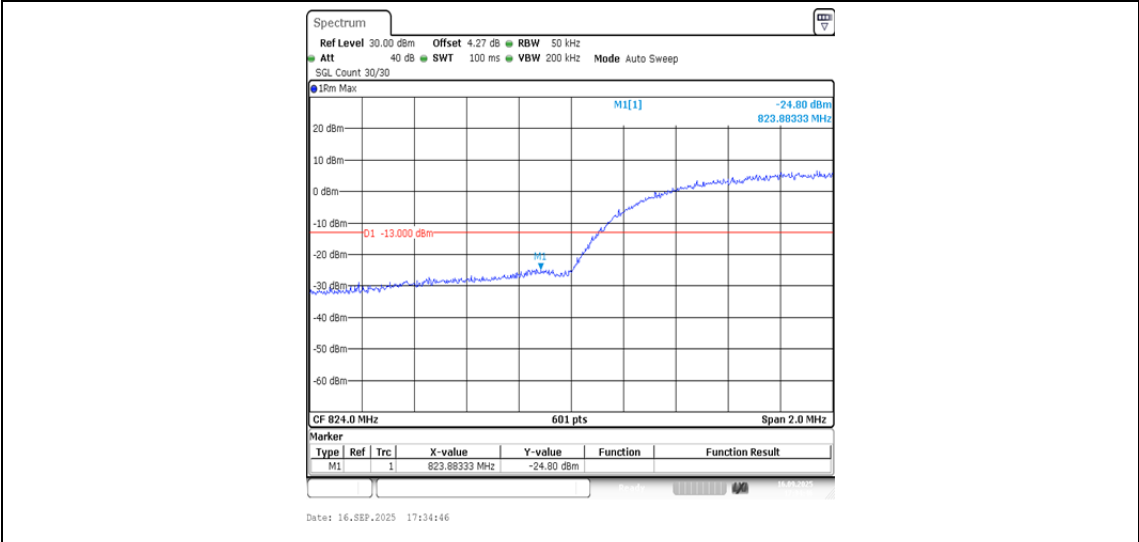
Band	Channel	SubTest	Frequency (MHz)	Result (dBm)	Limit(dBm)	Verdict
Band5	4132	1	823.89	-24.48	-13	PASS
Band5	4132	2	823.88	-25.33	-13	PASS
Band5	4132	3	823.87	-24.65	-13	PASS
Band5	4132	4	823.54	-25.41	-13	PASS
Band5	4132	5	823.87	-24.57	-13	PASS
Band5	4233	1	849.11	-25.92	-13	PASS
Band5	4233	2	849.11	-27.12	-13	PASS
Band5	4233	3	849.08	-26.36	-13	PASS
Band5	4233	4	849.00	-26.75	-13	PASS
Band5	4233	5	849.13	-25.78	-13	PASS

Test Graphs

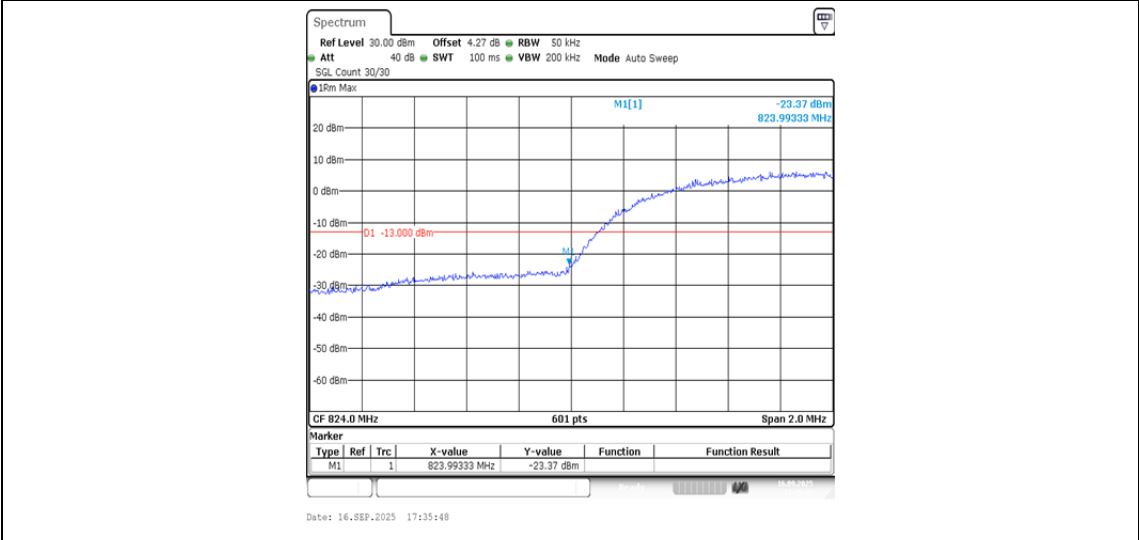




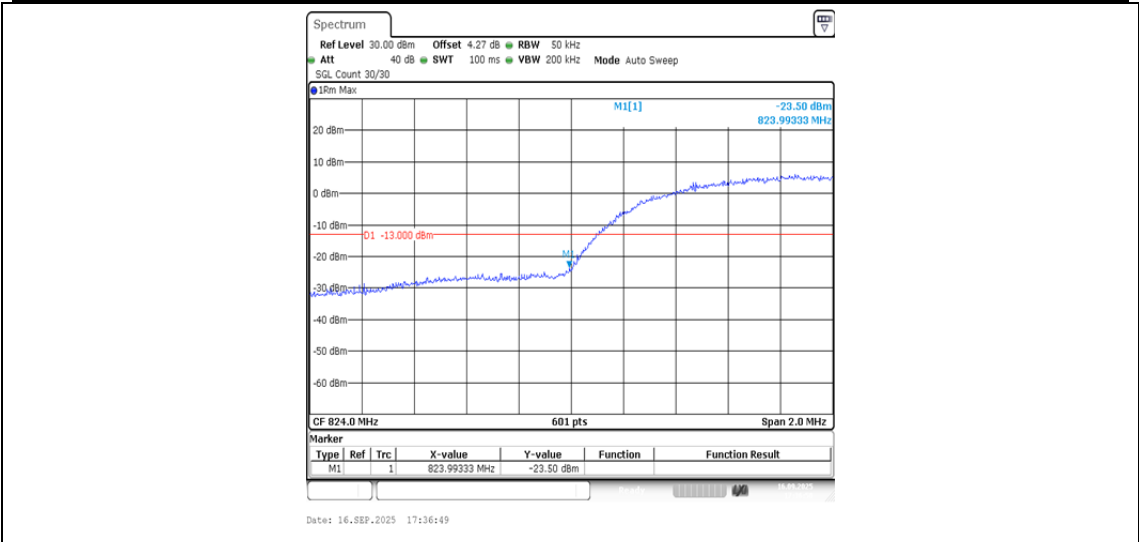
Band5-4132-1-PASS



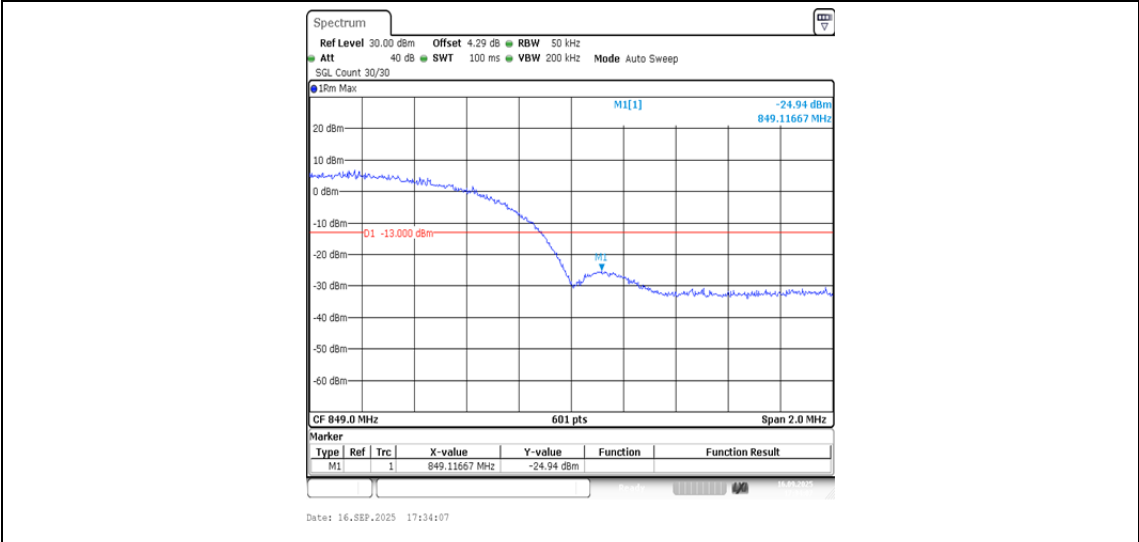
Band5-4132-2-PASS



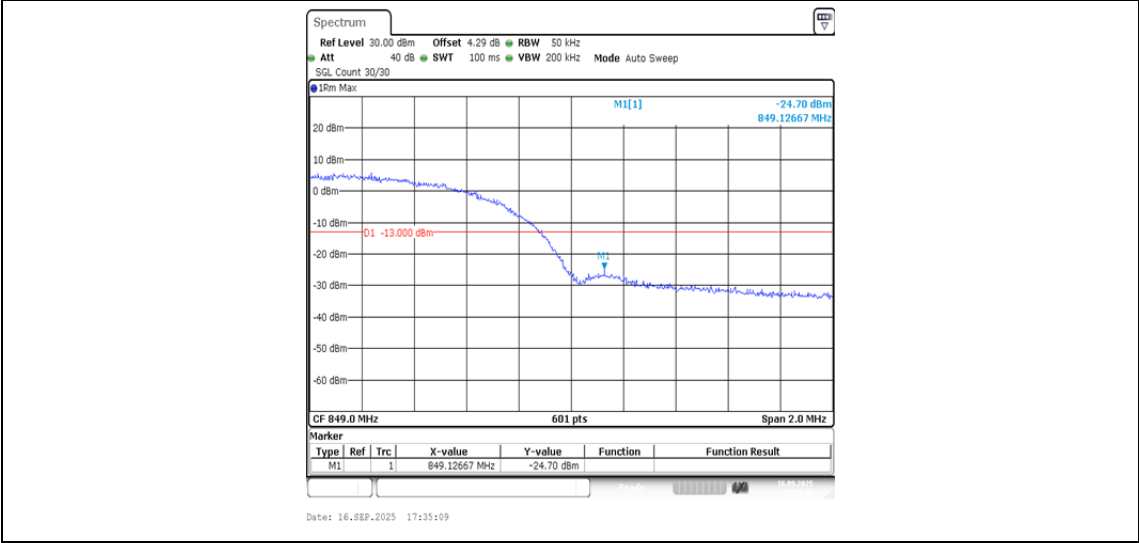
Band5-4132-3-PASS



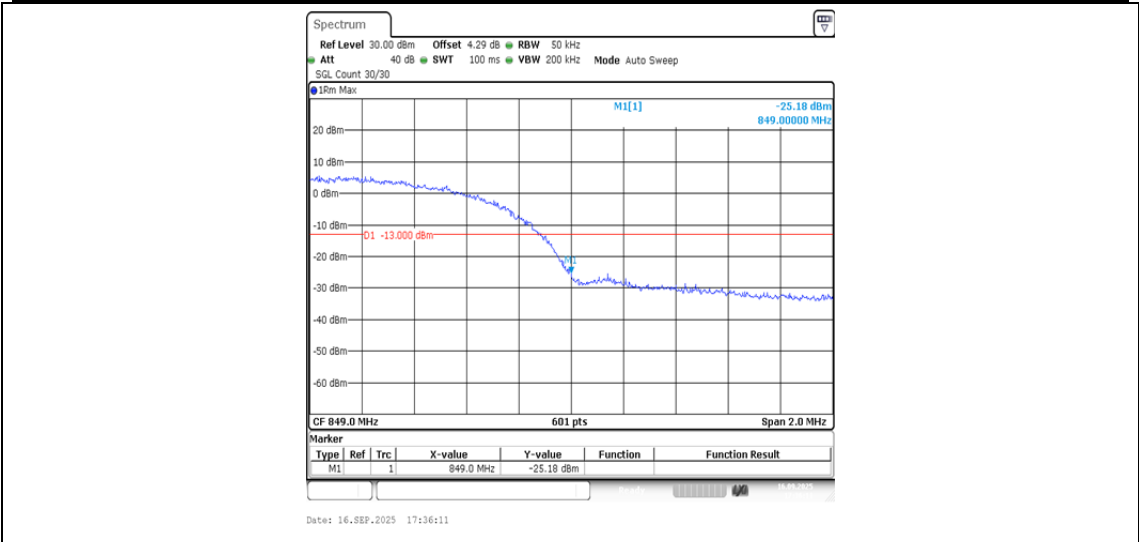
Band5-4132-4-PASS



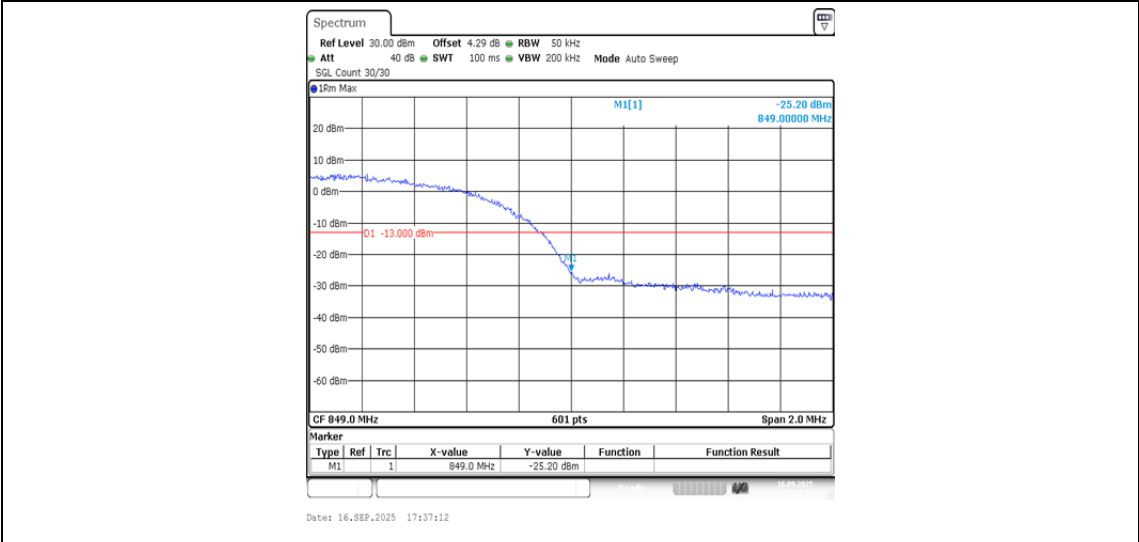
Band5-4233-1-PASS



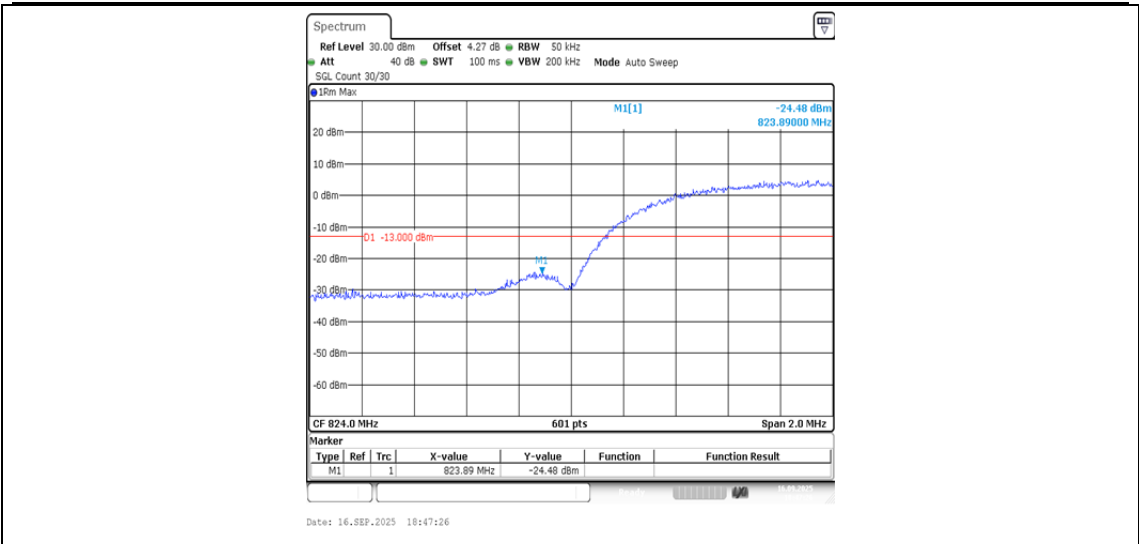
Band5-4233-2-PASS



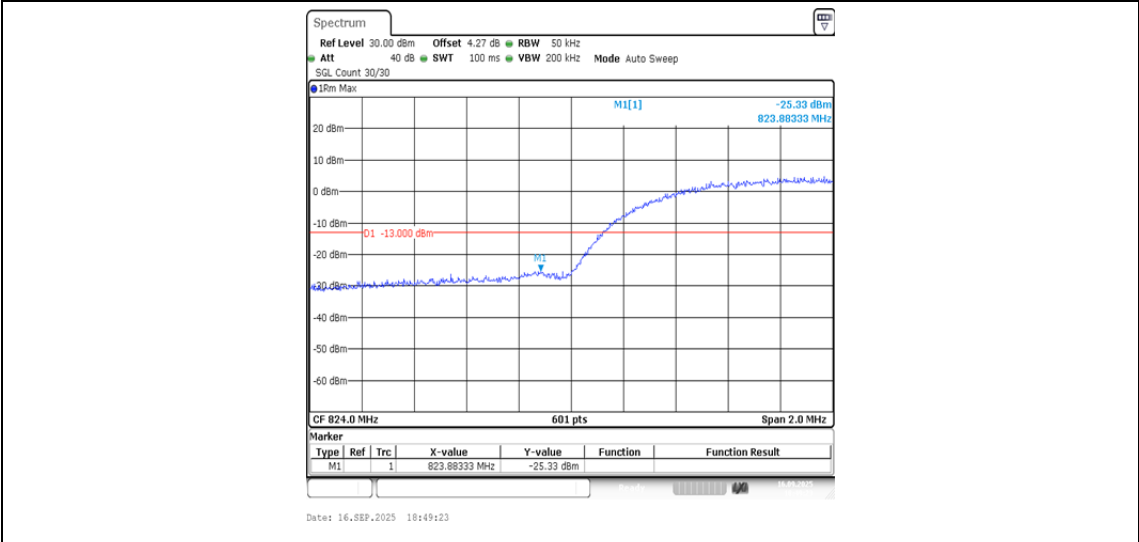
Band5-4233-3-PASS



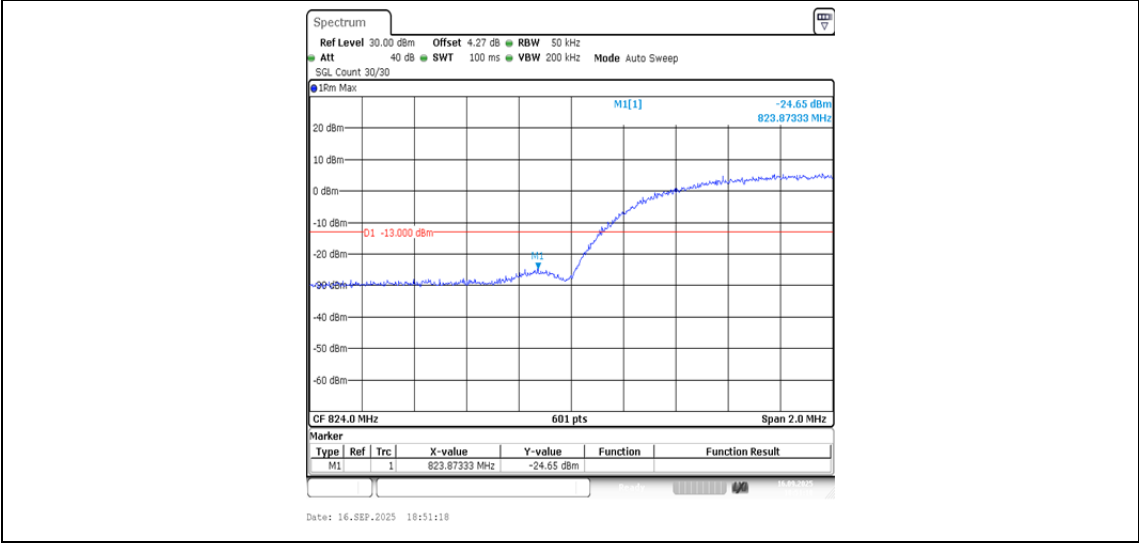
Band5-4233-4-PASS



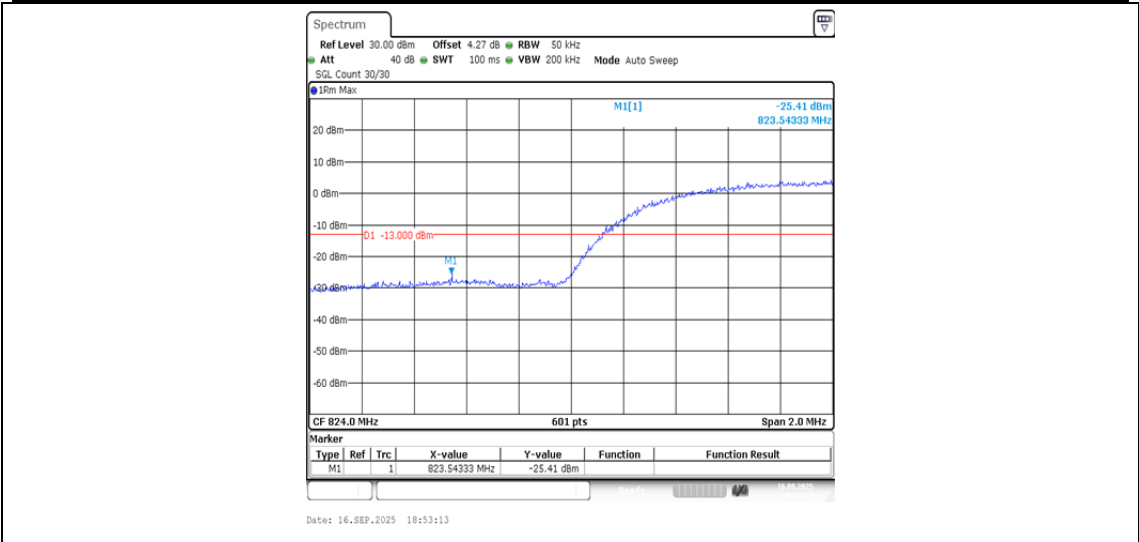
Band5-4132-1-PASS



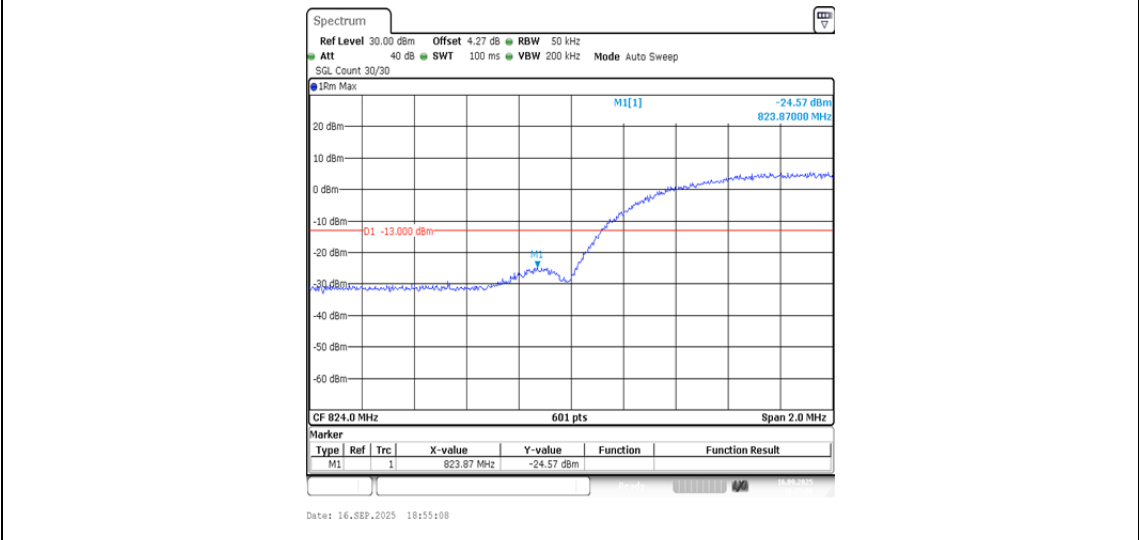
Band5-4132-2-PASS



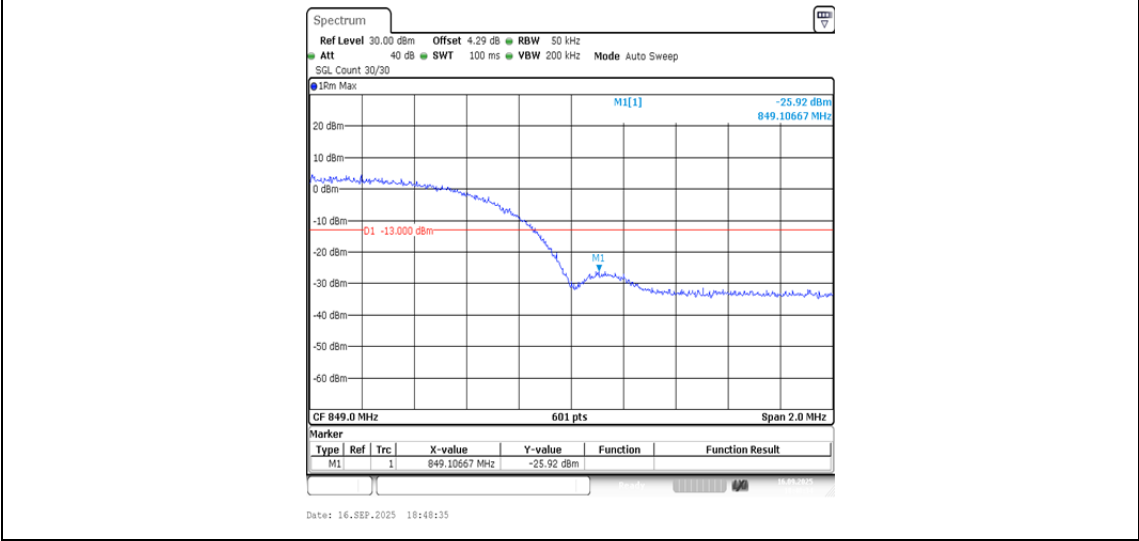
Band5-4132-3-PASS



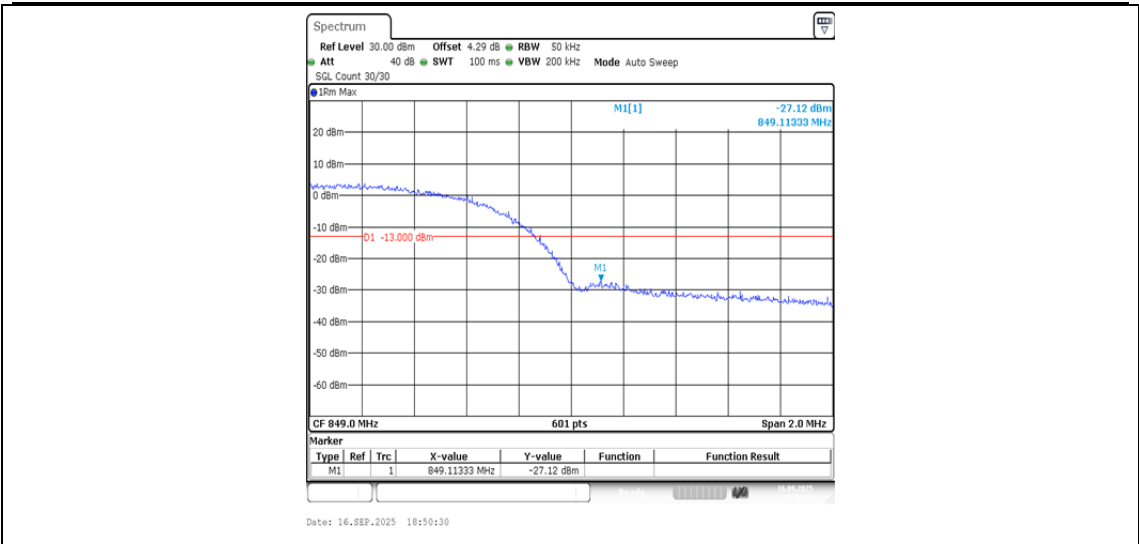
Band5-4132-4-PASS



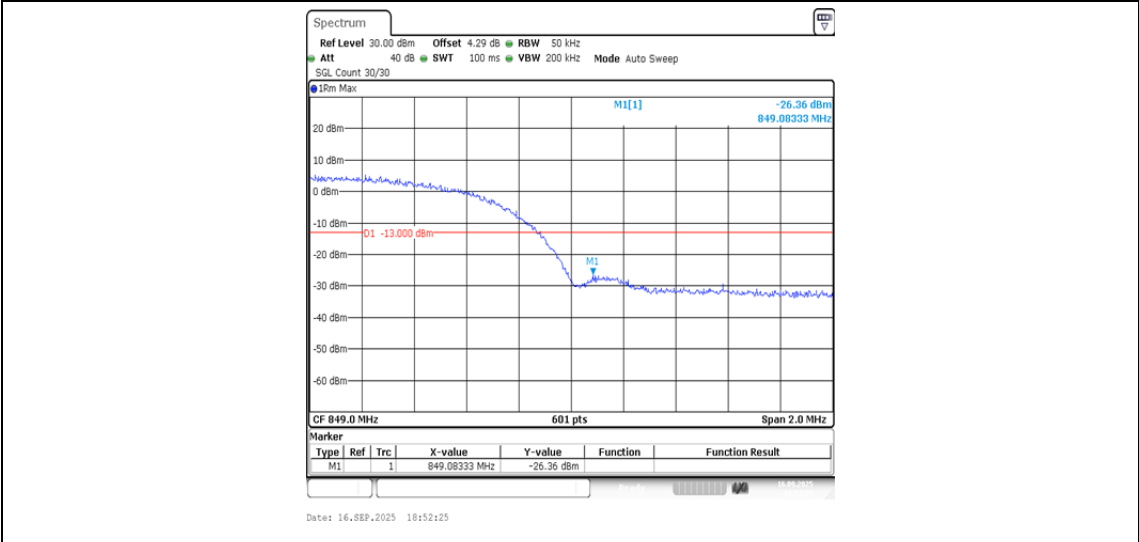
Band5-4132-5-PASS



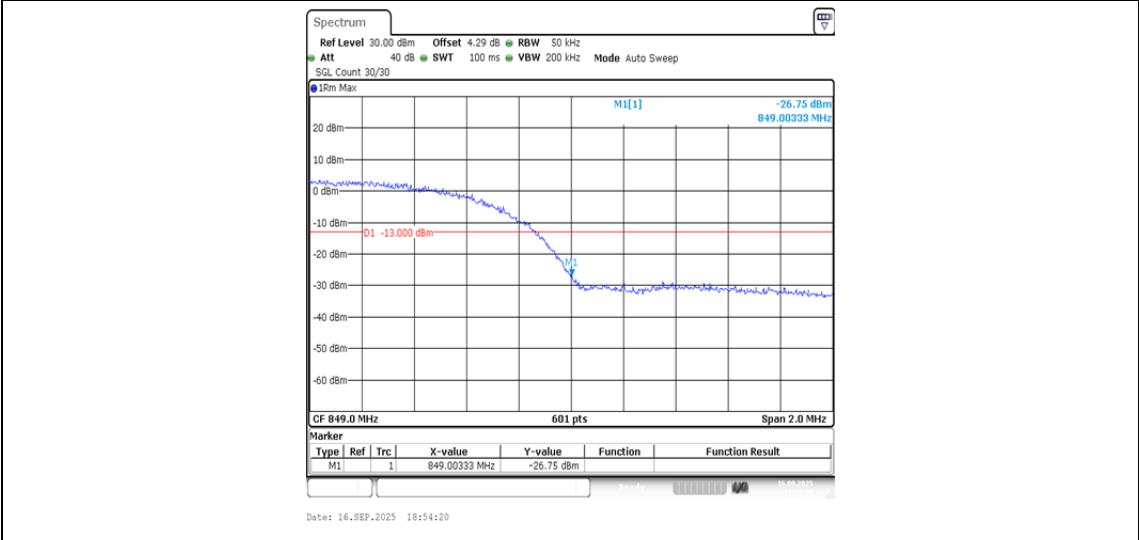
Band5-4233-1-PASS



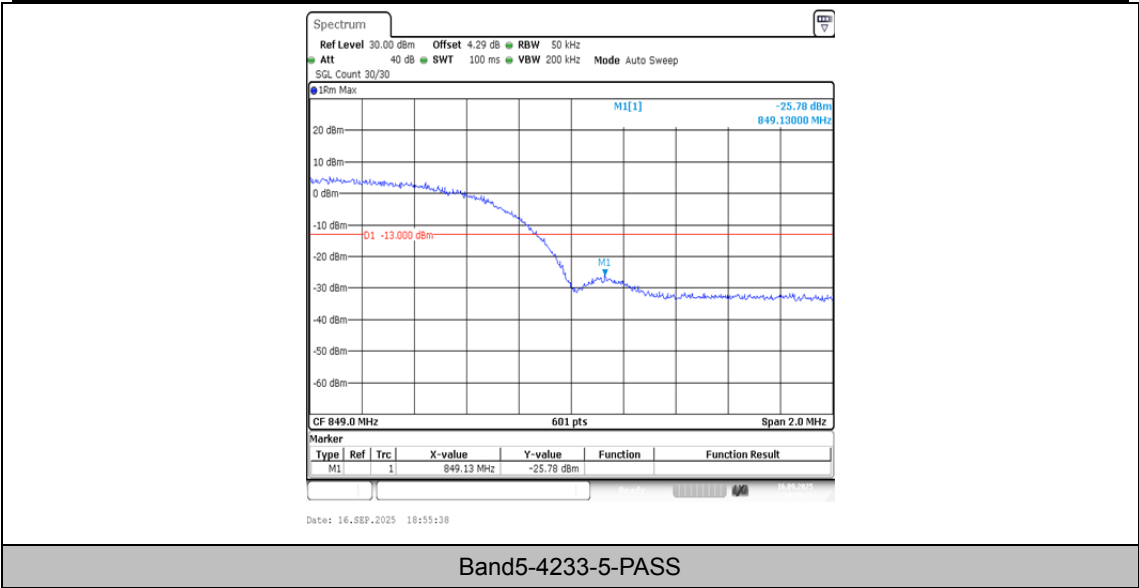
Band5-4233-2-PASS



Band5-4233-3-PASS



Band5-4233-4-PASS



AppendixE:Conducted SpuriousEmission

Test Result

Band	Channel	Frequency Range (Mhz)	Frequency (dBm)	Result (dBm)	Limit (dBm)	Verdict
Band5	4132	0.009~0.15MHz	0.01	-69.64	-33	PASS
Band5	4132	0.15~30MHz	27.69	-65.18	-23	PASS
Band5	4132	30~1000MHz	977.59	-58.07	-13	PASS
Band5	4132	1000~10000MHz	6542.6	-39.72	-13	PASS
Band5	4182	0.009~0.15MHz	0.02	-68.47	-33	PASS
Band5	4182	0.15~30MHz	22.88	-63.77	-23	PASS
Band5	4182	30~1000MHz	940.83	-57.55	-13	PASS
Band5	4182	1000~10000MHz	6859.38	-40.24	-13	PASS
Band5	4233	0.009~0.15MHz	0.01	-70.08	-33	PASS
Band5	4233	0.15~30MHz	26.55	-65.27	-23	PASS
Band5	4233	30~1000MHz	986.91	-57.49	-13	PASS
Band5	4233	1000~10000MHz	6780.64	-40.03	-13	PASS

Band	Channel	SubTest	Frequency Range (Mhz)	Frequency (dBm)	Result (dBm)	Limit (dBm)	Verdict
Band5	4132	1	0.009~0.15MHz	0.01	-69.16	-33	PASS
Band5	4132	1	0.15~30MHz	27.09	-65.55	-23	PASS
Band5	4132	1	30~1000MHz	947.91	-57.83	-13	PASS
Band5	4132	1	1000~10000MHz	6867.48	-39.98	-13	PASS
Band5	4132	2	0.009~0.15MHz	0.02	-69.35	-33	PASS
Band5	4132	2	0.15~30MHz	26.01	-64.53	-23	PASS
Band5	4132	2	30~1000MHz	640.03	-58.2	-13	PASS
Band5	4132	2	1000~10000MHz	6555.65	-39.87	-13	PASS
Band5	4132	3	0.009~0.15MHz	0.01	-69.62	-33	PASS
Band5	4132	3	0.15~30MHz	28.89	-65.25	-23	PASS
Band5	4132	3	30~1000MHz	977.01	-57.45	-13	PASS
Band5	4132	3	1000~10000MHz	6568.7	-39.9	-13	PASS
Band5	4132	4	0.009~0.15MHz	0.01	-70.08	-33	PASS
Band5	4132	4	0.15~30MHz	24.22	-65.94	-23	PASS
Band5	4132	4	30~1000MHz	942.67	-57.58	-13	PASS
Band5	4132	4	1000~10000MHz	6851.28	-39.31	-13	PASS
Band5	4182	1	0.009~0.15MHz	0.01	-68.36	-33	PASS
Band5	4182	1	0.15~30MHz	29.13	-64.41	-23	PASS
Band5	4182	1	30~1000MHz	965.66	-58.12	-13	PASS
Band5	4182	1	1000~10000MHz	6274.86	-40.01	-13	PASS
Band5	4182	2	0.009~0.15MHz	0.01	-68.97	-33	PASS
Band5	4182	2	0.15~30MHz	29.72	-65	-23	PASS

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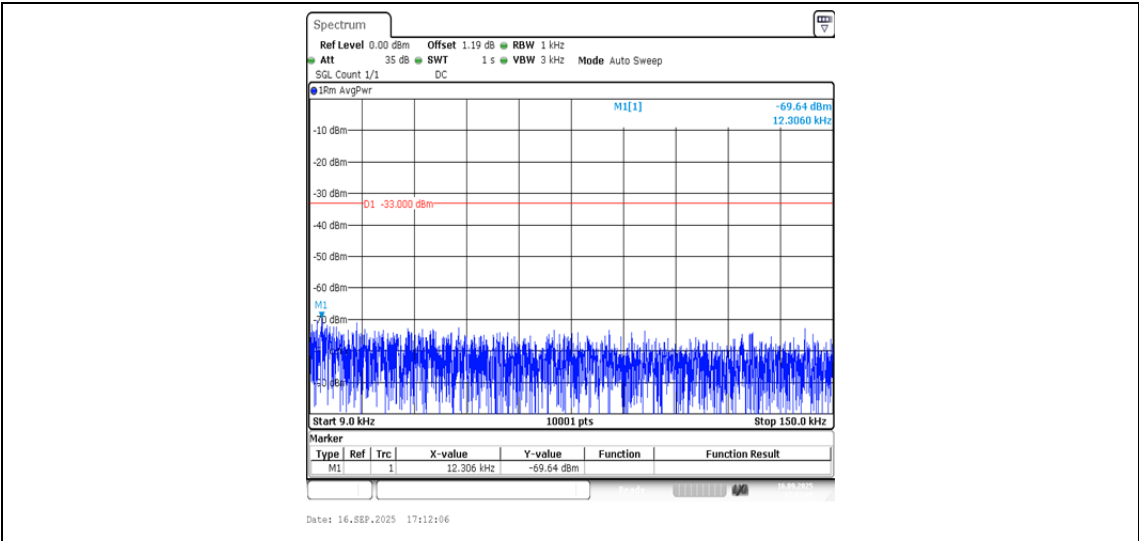
Band5	4182	2	30~1000MHz	941.02	-57.92	-13	PASS
Band5	4182	2	1000~10000MHz	6993.48	-40.09	-13	PASS
Band5	4182	3	0.009~0.15MHz	0.01	-71.03	-33	PASS
Band5	4182	3	0.15~30MHz	26.53	-65.78	-23	PASS
Band5	4182	3	30~1000MHz	972.84	-57.75	-13	PASS
Band5	4182	3	1000~10000MHz	6993.93	-39.9	-13	PASS
Band5	4182	4	0.009~0.15MHz	0.01	-69.17	-33	PASS
Band5	4182	4	0.15~30MHz	24.82	-65.71	-23	PASS
Band5	4182	4	30~1000MHz	965.47	-58.09	-13	PASS
Band5	4182	4	1000~10000MHz	6838.68	-39.96	-13	PASS
Band5	4233	1	0.009~0.15MHz	0.01	-68.3	-33	PASS
Band5	4233	1	0.15~30MHz	27.83	-65.86	-23	PASS
Band5	4233	1	30~1000MHz	990.4	-58.17	-13	PASS
Band5	4233	1	1000~10000MHz	6535.4	-39.8	-13	PASS
Band5	4233	2	0.009~0.15MHz	0.01	-66.3	-33	PASS
Band5	4233	2	0.15~30MHz	29.01	-64.96	-23	PASS
Band5	4233	2	30~1000MHz	988.85	-57.65	-13	PASS
Band5	4233	2	1000~10000MHz	6523.25	-39.94	-13	PASS
Band5	4233	3	0.009~0.15MHz	0.01	-69.7	-33	PASS
Band5	4233	3	0.15~30MHz	24.99	-64.69	-23	PASS
Band5	4233	3	30~1000MHz	994.76	-58.07	-13	PASS
Band5	4233	3	1000~10000MHz	6866.58	-39.75	-13	PASS
Band5	4233	4	0.009~0.15MHz	0.01	-67.54	-33	PASS
Band5	4233	4	0.15~30MHz	28.06	-65.8	-23	PASS
Band5	4233	4	30~1000MHz	990.01	-57.74	-13	PASS
Band5	4233	4	1000~10000MHz	6894.48	-40.01	-13	PASS

Band	Channel	SubTest	Frequency Range (Mhz)	Frequency (dBm)	Result (dBm)	Limit (dBm)	Verdict
Band5	4132	1	0.009~0.15MHz	0.01	-69.44	-33	PASS
Band5	4132	1	0.15~30MHz	22.22	-65.52	-23	PASS
Band5	4132	1	30~1000MHz	973.71	-58.44	-13	PASS
Band5	4132	1	1000~10000MHz	6835.08	-40.12	-13	PASS
Band5	4132	2	0.009~0.15MHz	0.01	-68.72	-33	PASS
Band5	4132	2	0.15~30MHz	25.43	-64.9	-23	PASS
Band5	4132	2	30~1000MHz	998.45	-58.02	-13	PASS
Band5	4132	2	1000~10000MHz	6873.78	-39.98	-13	PASS
Band5	4132	3	0.009~0.15MHz	0.01	-68.73	-33	PASS
Band5	4132	3	0.15~30MHz	21.63	-65.67	-23	PASS
Band5	4132	3	30~1000MHz	953.54	-57.94	-13	PASS
Band5	4132	3	1000~10000MHz	6872.88	-40.13	-13	PASS

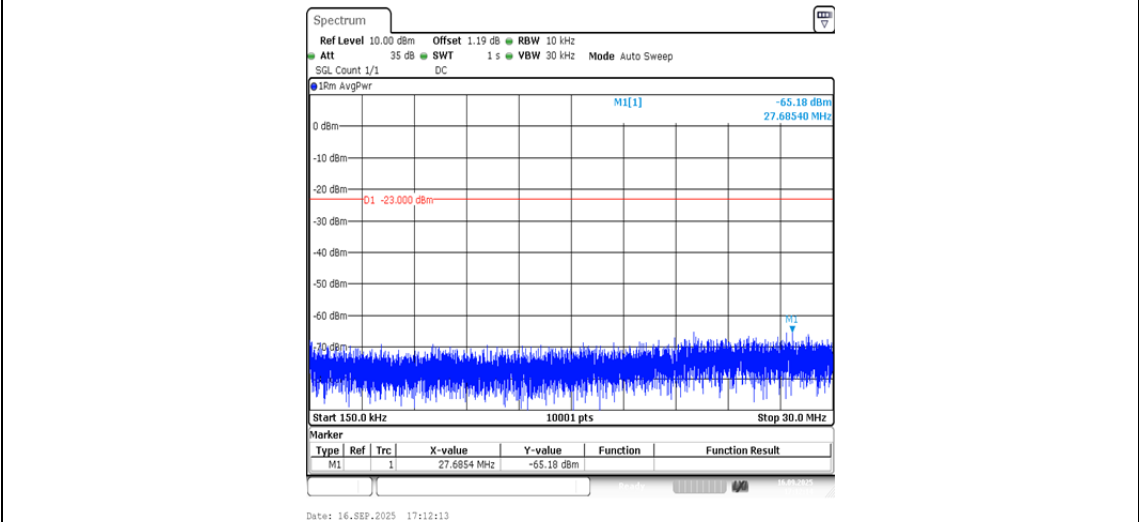
Band5	4132	4	0.009~0.15MHz	0.01	-68.65	-33	PASS
Band5	4132	4	0.15~30MHz	23.53	-65.08	-23	PASS
Band5	4132	4	30~1000MHz	995.05	-57.82	-13	PASS
Band5	4132	4	1000~10000MHz	6831.93	-40.03	-13	PASS
Band5	4132	5	0.009~0.15MHz	0.01	-68.93	-33	PASS
Band5	4132	5	0.15~30MHz	26.63	-64.89	-23	PASS
Band5	4132	5	30~1000MHz	961.3	-58.37	-13	PASS
Band5	4132	5	1000~10000MHz	6815.73	-40.1	-13	PASS
Band5	4182	1	0.009~0.15MHz	0.01	-69.1	-33	PASS
Band5	4182	1	0.15~30MHz	29.72	-64.91	-23	PASS
Band5	4182	1	30~1000MHz	943.26	-58	-13	PASS
Band5	4182	1	1000~10000MHz	6903.93	-40.04	-13	PASS
Band5	4182	2	0.009~0.15MHz	0.01	-70.14	-33	PASS
Band5	4182	2	0.15~30MHz	24.47	-64.93	-23	PASS
Band5	4182	2	30~1000MHz	971	-57.62	-13	PASS
Band5	4182	2	1000~10000MHz	6791.89	-40.11	-13	PASS
Band5	4182	3	0.009~0.15MHz	0.01	-68.9	-33	PASS
Band5	4182	3	0.15~30MHz	21.71	-65.64	-23	PASS
Band5	4182	3	30~1000MHz	997.58	-58.11	-13	PASS
Band5	4182	3	1000~10000MHz	6171.37	-40.13	-13	PASS
Band5	4182	4	0.009~0.15MHz	0.01	-69.15	-33	PASS
Band5	4182	4	0.15~30MHz	29.69	-64.66	-23	PASS
Band5	4182	4	30~1000MHz	982.15	-57.32	-13	PASS
Band5	4182	4	1000~10000MHz	6537.65	-40.06	-13	PASS
Band5	4182	5	0.009~0.15MHz	0.03	-69.08	-33	PASS
Band5	4182	5	0.15~30MHz	23.93	-65.41	-23	PASS
Band5	4182	5	30~1000MHz	956.35	-57.87	-13	PASS
Band5	4182	5	1000~10000MHz	6883.23	-39.94	-13	PASS
Band5	4233	1	0.009~0.15MHz	0.01	-70.07	-33	PASS
Band5	4233	1	0.15~30MHz	22.62	-65.81	-23	PASS
Band5	4233	1	30~1000MHz	951.02	-57.65	-13	PASS
Band5	4233	1	1000~10000MHz	6894.48	-40.13	-13	PASS
Band5	4233	2	0.009~0.15MHz	0.01	-70.34	-33	PASS
Band5	4233	2	0.15~30MHz	24.58	-65.83	-23	PASS
Band5	4233	2	30~1000MHz	989.04	-57.92	-13	PASS
Band5	4233	2	1000~10000MHz	6868.38	-40.11	-13	PASS
Band5	4233	3	0.009~0.15MHz	0.01	-69.15	-33	PASS
Band5	4233	3	0.15~30MHz	22.43	-64.83	-23	PASS
Band5	4233	3	30~1000MHz	970.22	-57.93	-13	PASS
Band5	4233	3	1000~10000MHz	6995.73	-39.95	-13	PASS
Band5	4233	4	0.009~0.15MHz	0.01	-70.92	-33	PASS
Band5	4233	4	0.15~30MHz	22.85	-65.99	-23	PASS

Band5	4233	4	30~1000MHz	971.09	-58.25	-13	PASS
Band5	4233	4	1000~10000MHz	6861.63	-39.94	-13	PASS
Band5	4233	5	0.009~0.15MHz	0.01	-70.8	-33	PASS
Band5	4233	5	0.15~30MHz	21.84	-63.41	-23	PASS
Band5	4233	5	30~1000MHz	984.09	-57.48	-13	PASS
Band5	4233	5	1000~10000MHz	6212.76	-39.92	-13	PASS

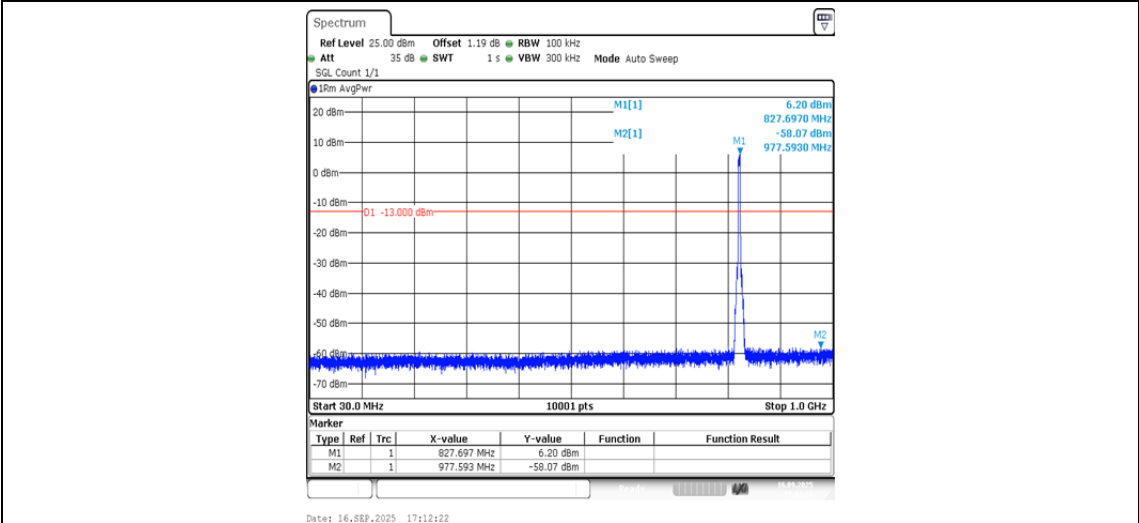
Test Graphs



Band5-4132-0.009~0.15MHz-PASS



Band5-4132-0.15~30MHz-PASS



Band5-4132-30~1000MHz-PASS