

Appendix for WCDMA Band 5

Product Name: Smart Phone

Model No: Black S

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	21.96	21.94	21.88
HSDPA Subtest-1	21.77	21.05	21.37
HSDPA Subtest-2	21.25	20.58	20.88
HSDPA Subtest-3	20.94	20.37	20.67
HSDPA Subtest-4	20.63	20.00	20.33
HSUPA Subtest-1	21.85	21.14	21.40
HSUPA Subtest-2	21.33	20.68	20.93
HSUPA Subtest-3	21.09	20.47	20.61
HSUPA Subtest-4	20.79	20.19	20.42
HSUPA Subtest-5	20.50	19.92	20.02

AppendixB:Peak-to-Average Ratio

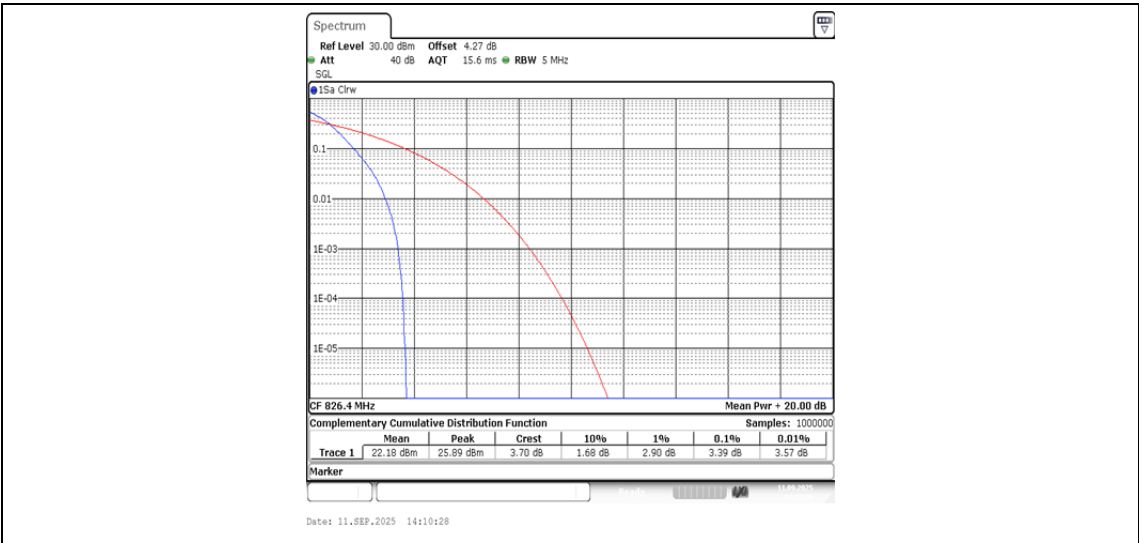
Test Result

Band	Channel	Peak-to-Average Ratio(dB)	Limit(dB)	Verdict
Band5	4132	3.39	13	PASS
Band5	4182	3.13	13	PASS
Band5	4233	3.33	13	PASS

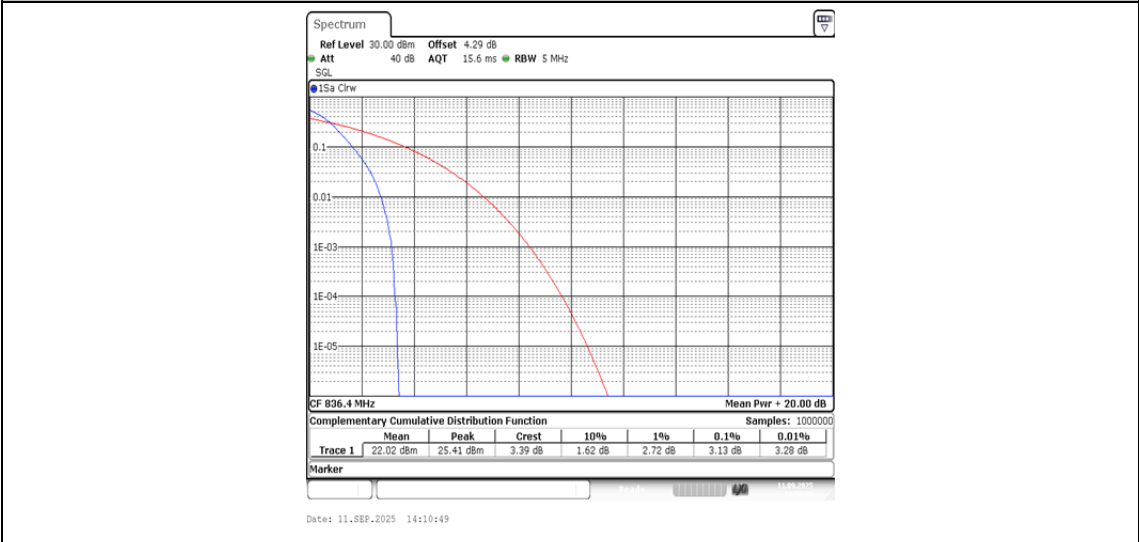
Band	Channel	SubTest	Peak-to-Average Ratio(dB)	Limit(dB)	Verdict
Band5	4132	1	3.39	13	PASS
Band5	4132	2	3.57	13	PASS
Band5	4132	3	3.71	13	PASS
Band5	4132	4	3.77	13	PASS
Band5	4182	1	3.25	13	PASS
Band5	4182	2	3.45	13	PASS
Band5	4182	3	3.59	13	PASS
Band5	4182	4	3.65	13	PASS
Band5	4233	1	3.36	13	PASS
Band5	4233	2	3.51	13	PASS
Band5	4233	3	3.68	13	PASS
Band5	4233	4	3.71	13	PASS

Band	Channel	SubTest	Peak-to-Average Ratio(dB)	Limit(dB)	Verdict
Band5	4132	1	4.7	13	PASS
Band5	4132	2	5.65	13	PASS
Band5	4132	3	5.33	13	PASS
Band5	4132	4	5.8	13	PASS
Band5	4132	5	4.49	13	PASS
Band5	4182	1	4.52	13	PASS
Band5	4182	2	5.39	13	PASS
Band5	4182	3	5.16	13	PASS
Band5	4182	4	5.62	13	PASS
Band5	4182	5	4.23	13	PASS
Band5	4233	1	4.64	13	PASS
Band5	4233	2	5.62	13	PASS
Band5	4233	3	5.3	13	PASS
Band5	4233	4	5.74	13	PASS
Band5	4233	5	4.43	13	PASS

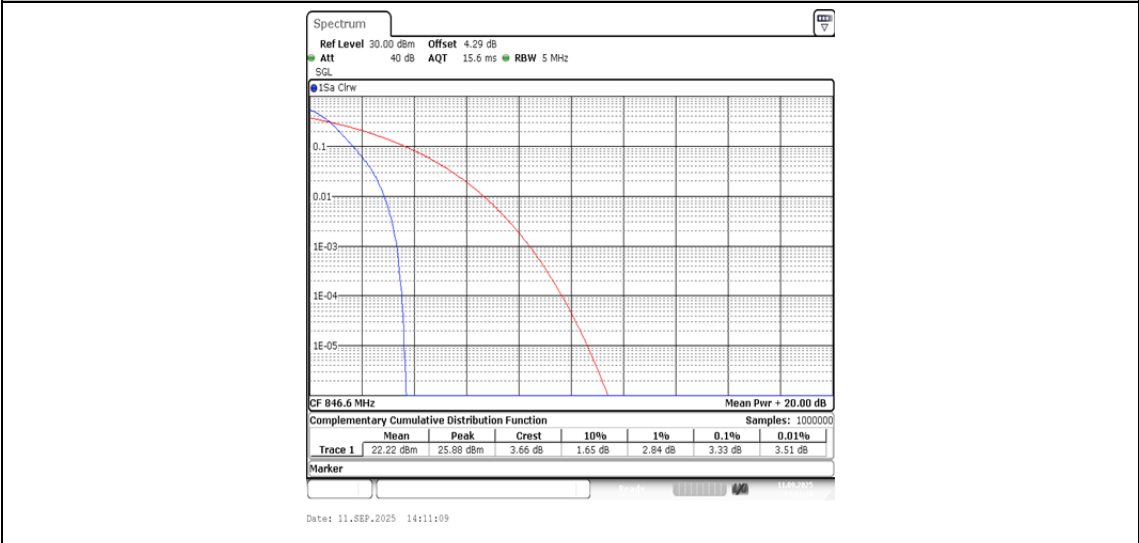
Test Graphs



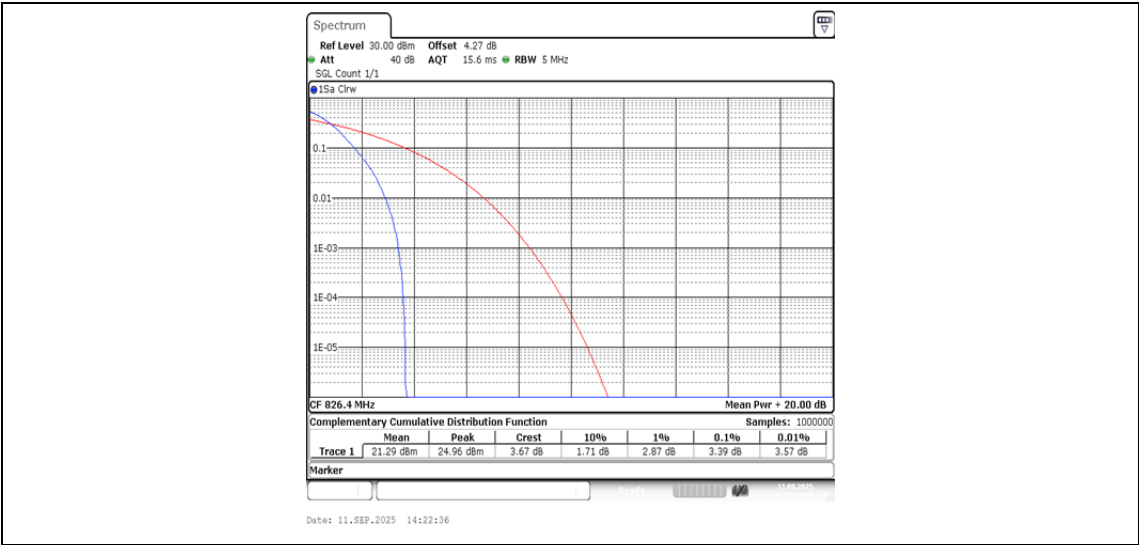
Band5-4132-PASS



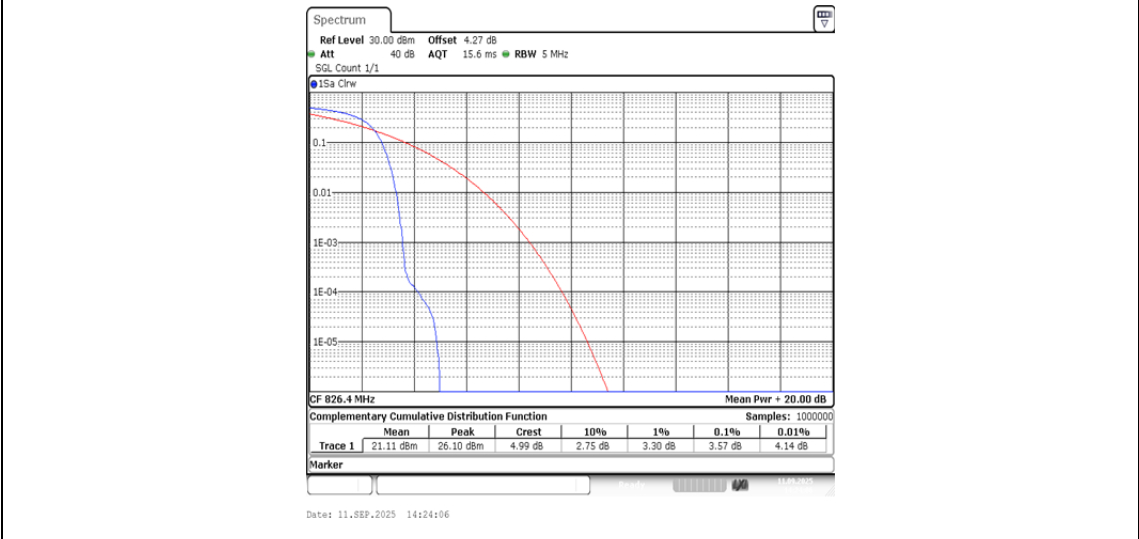
Band5-4182-PASS



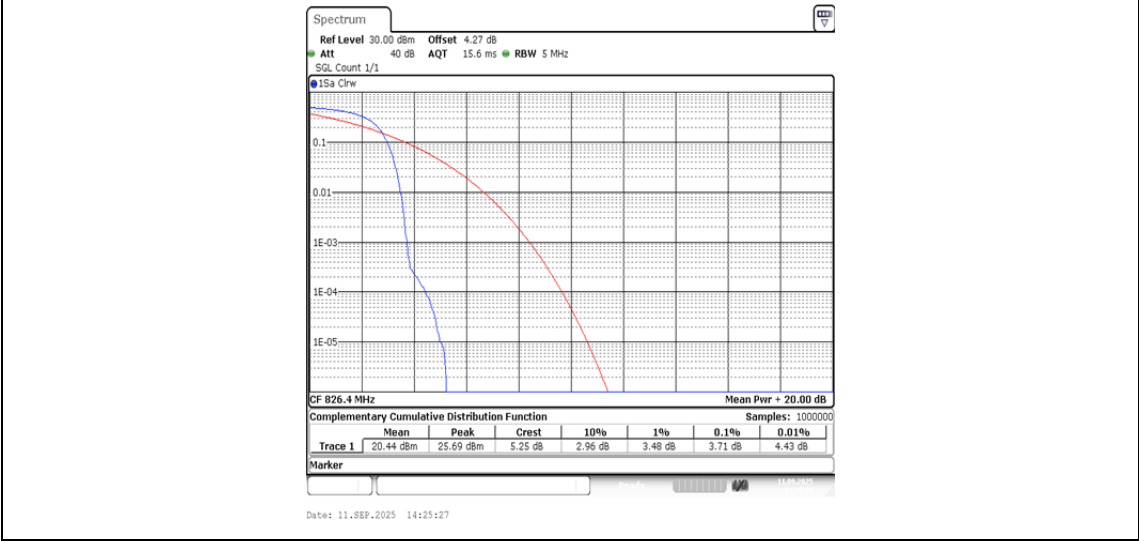
Band5-4233-PASS



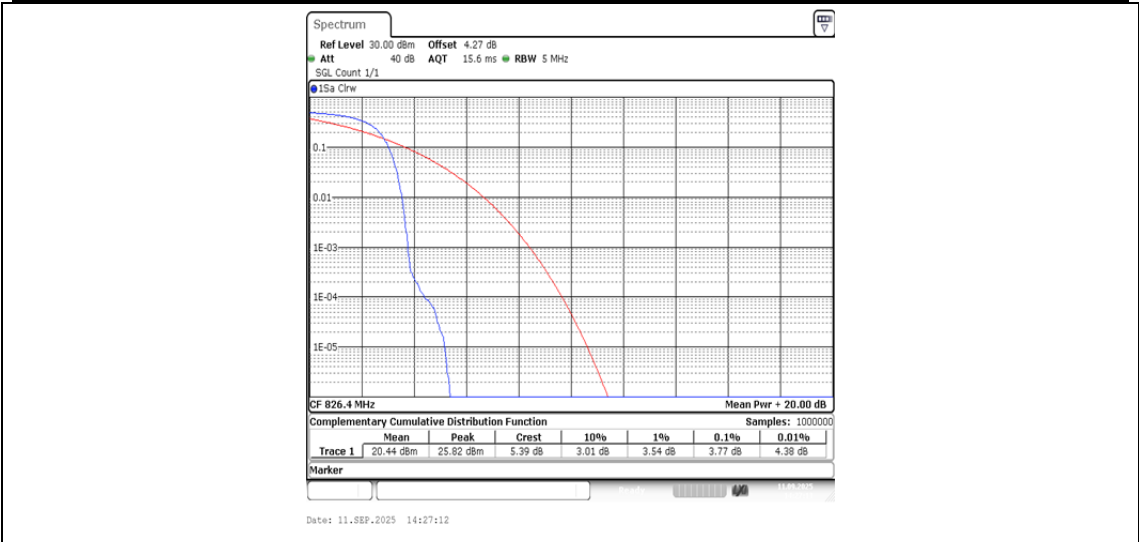
Band5-4132-1-PASS



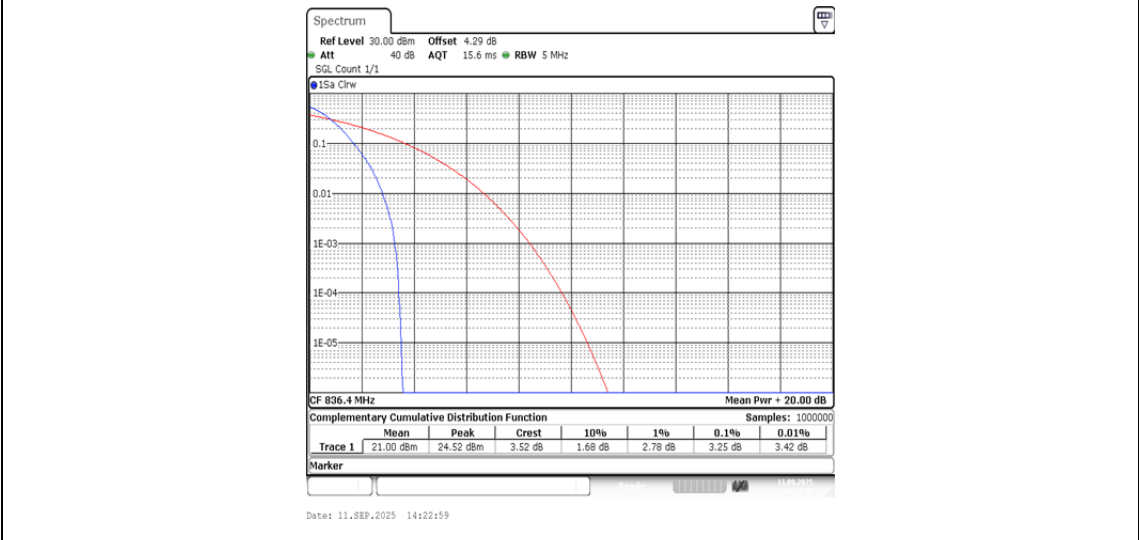
Band5-4132-2-PASS



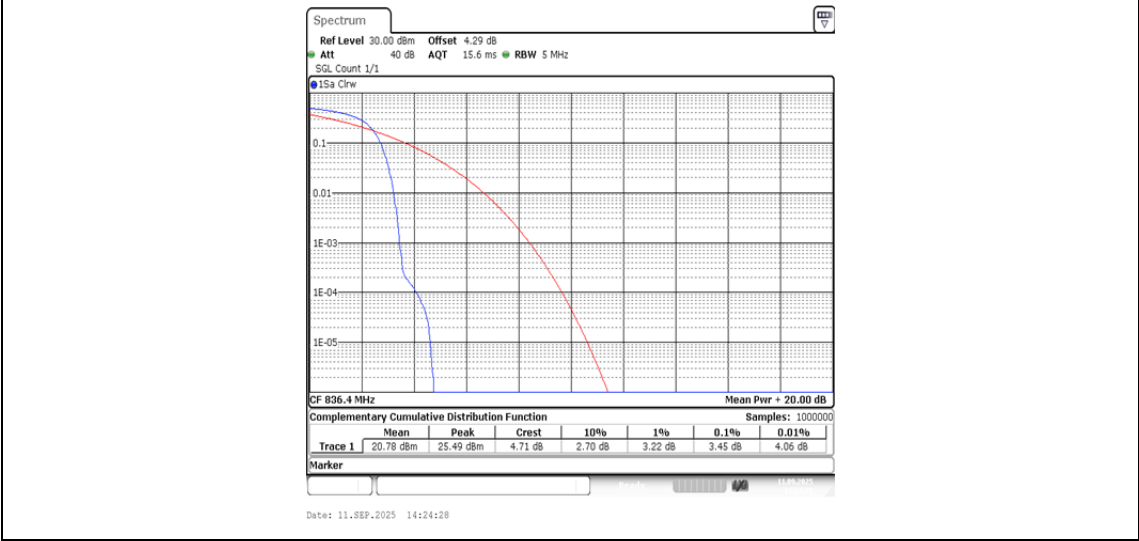
Band5-4132-3-PASS



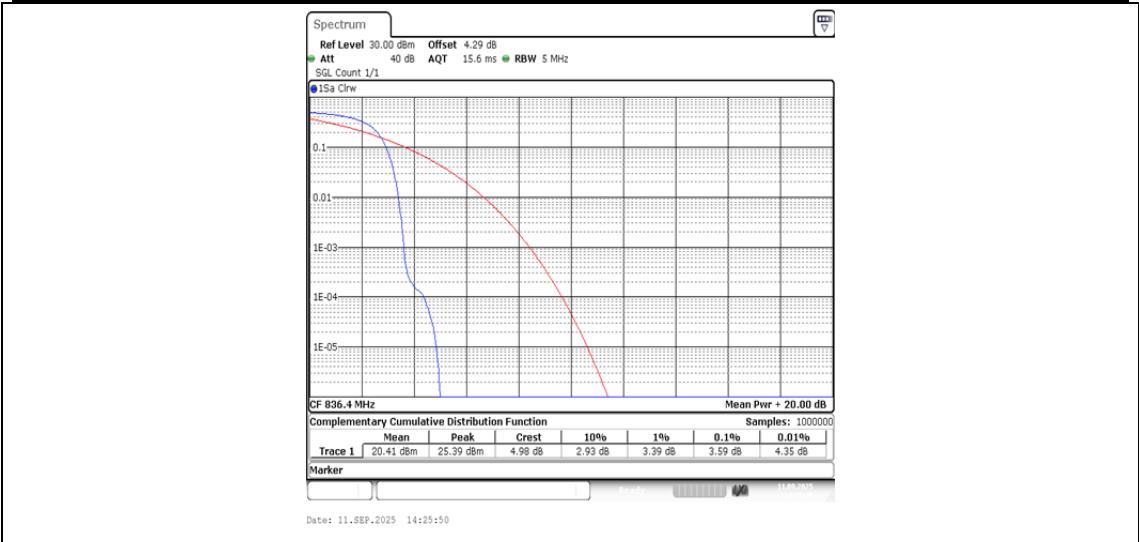
Band5-4132-4-PASS



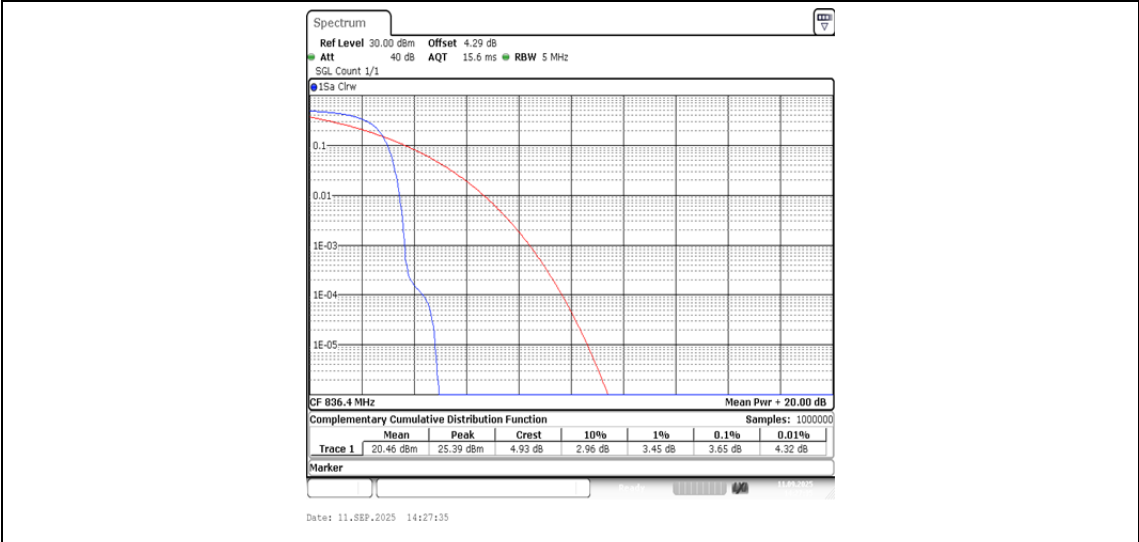
Band5-4182-1-PASS



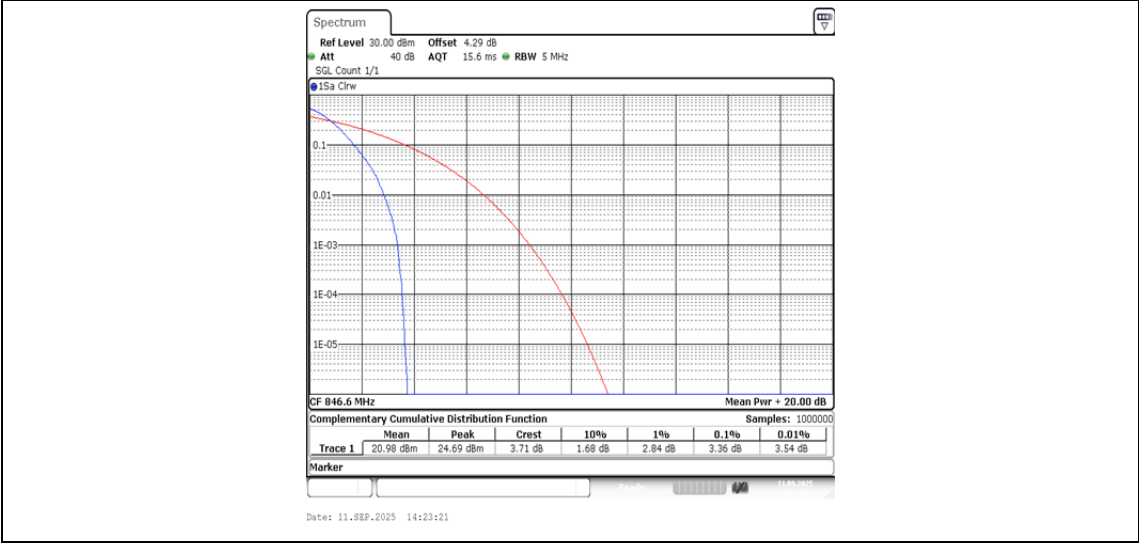
Band5-4182-2-PASS



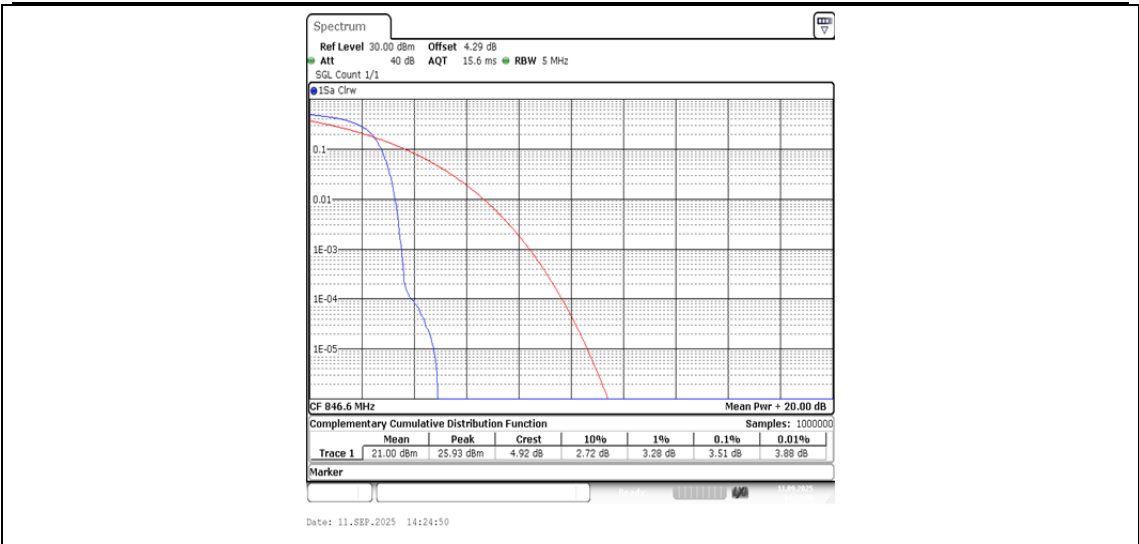
Band5-4182-3-PASS



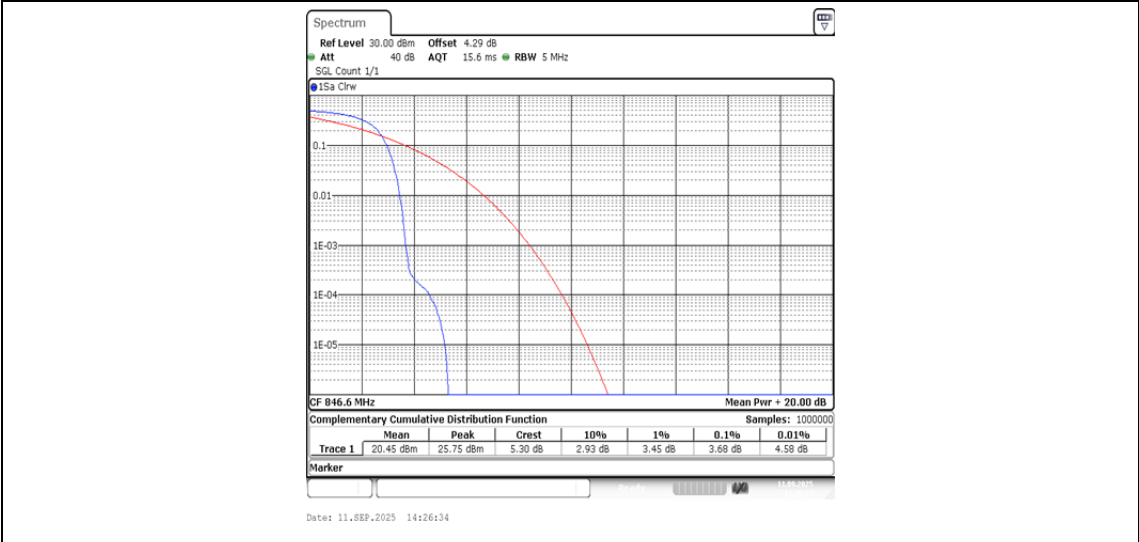
Band5-4182-4-PASS



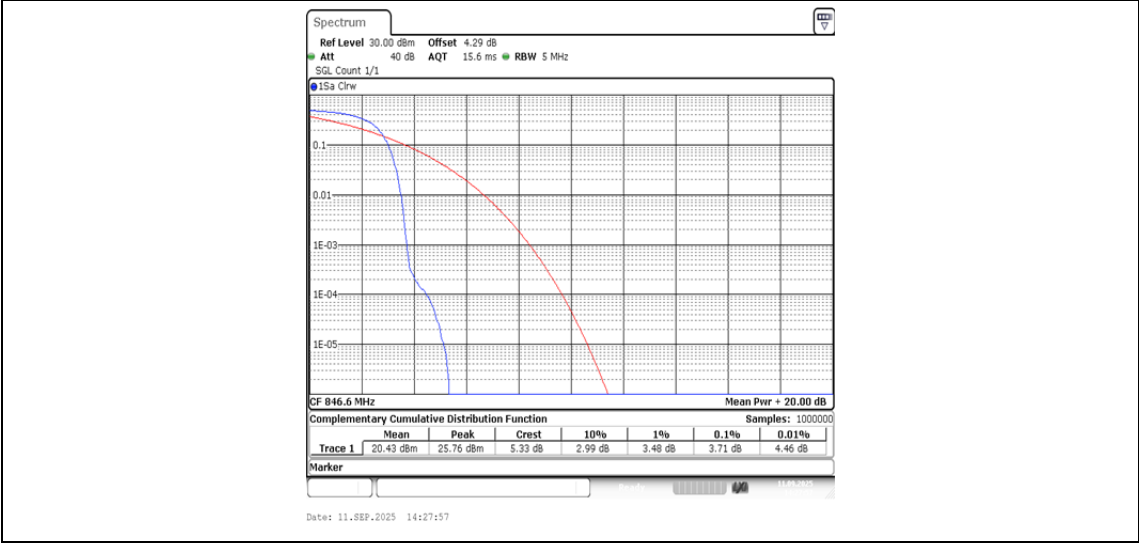
Band5-4233-1-PASS



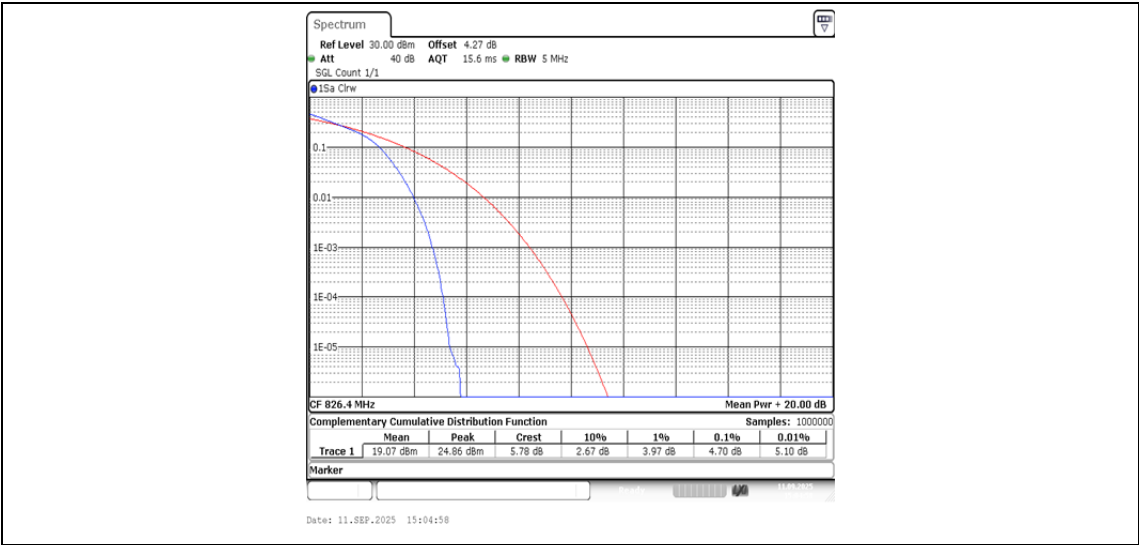
Band5-4233-2-PASS



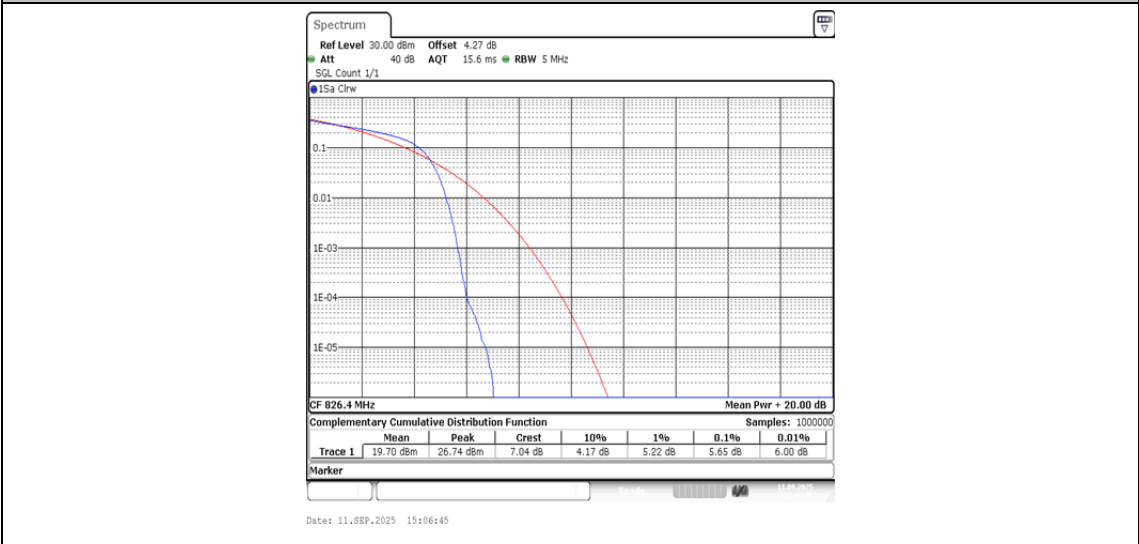
Band5-4233-3-PASS



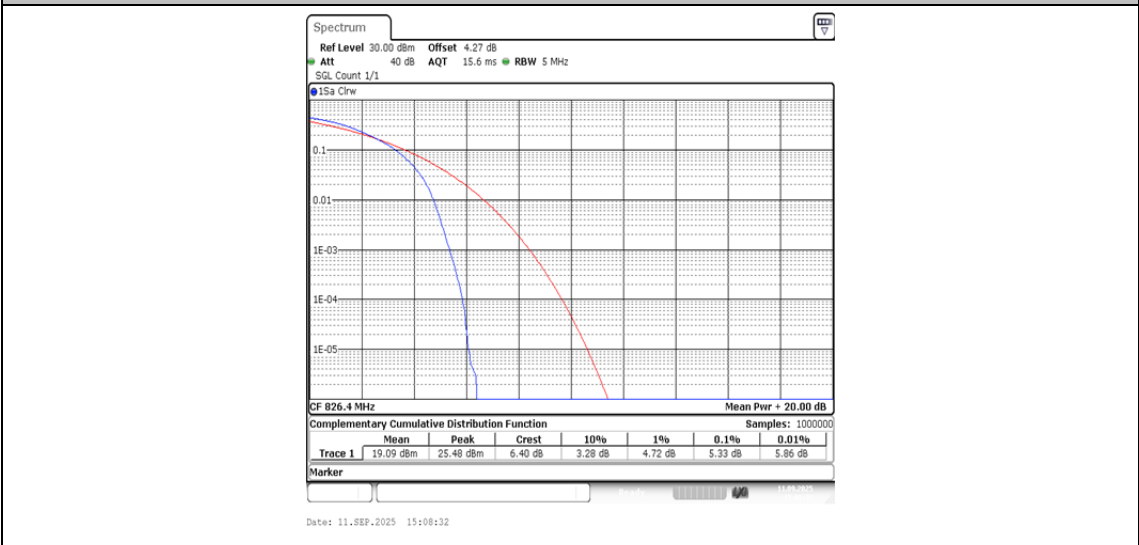
Band5-4233-4-PASS

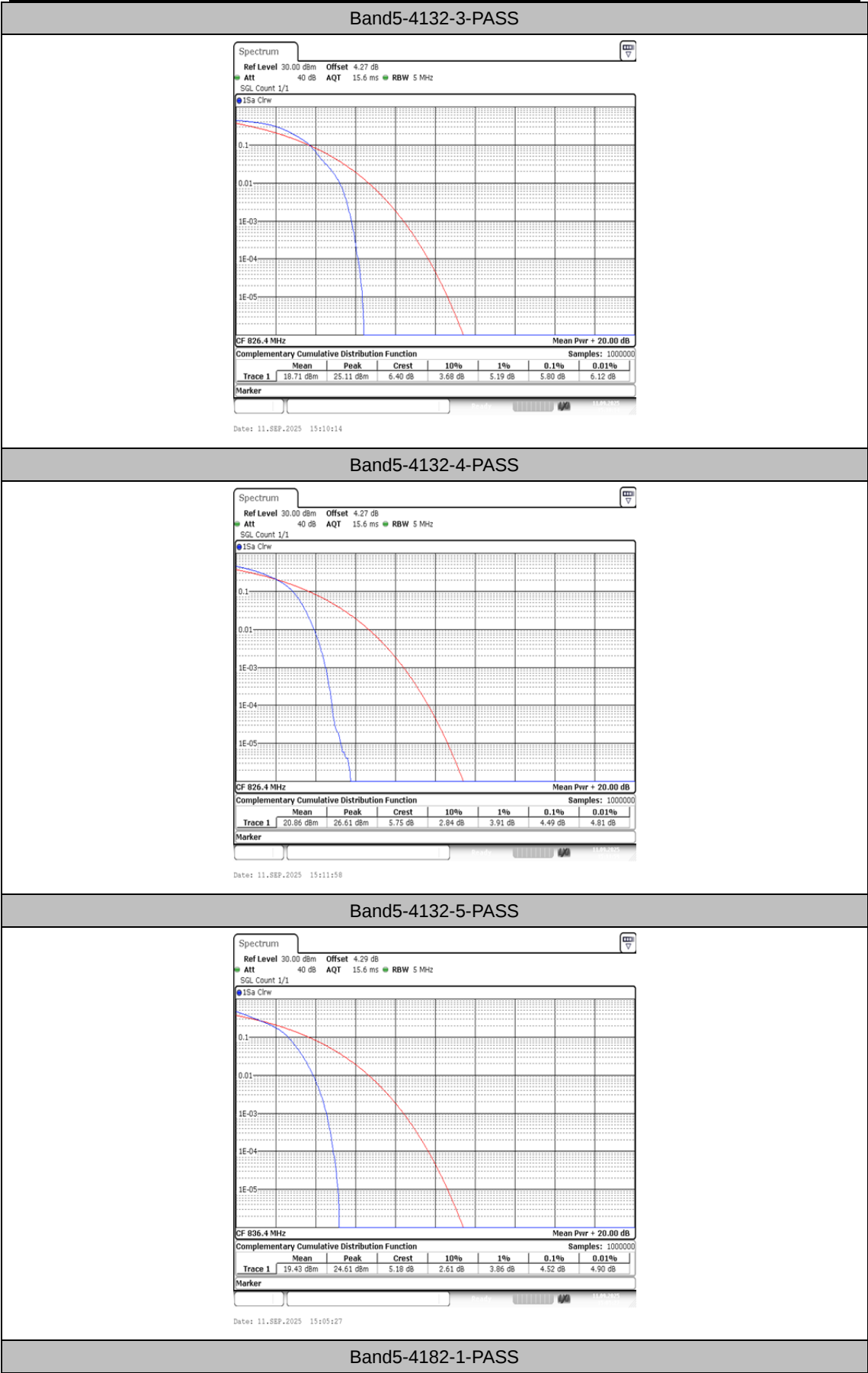


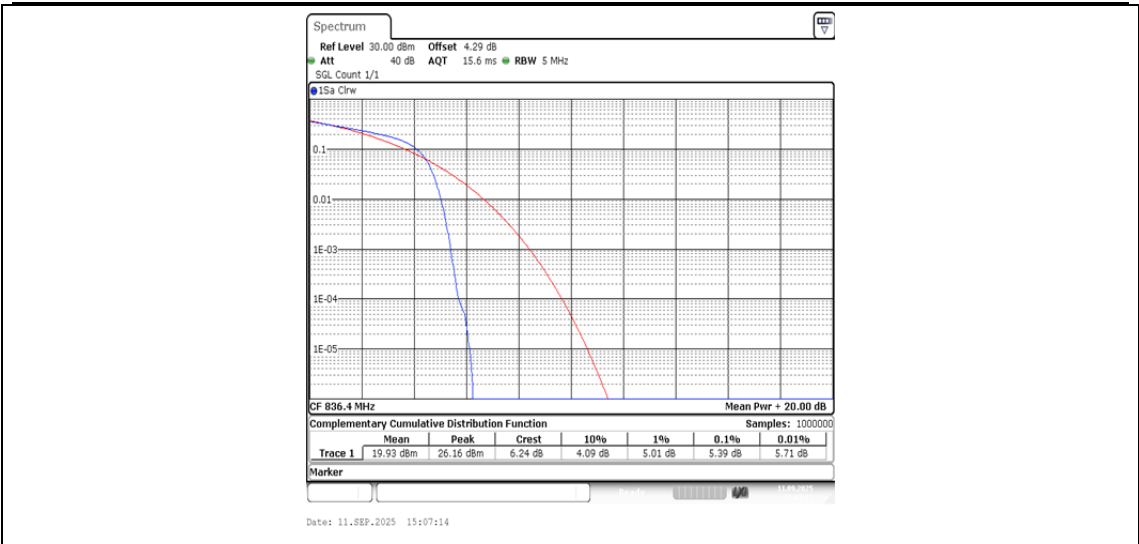
Band5-4132-1-PASS



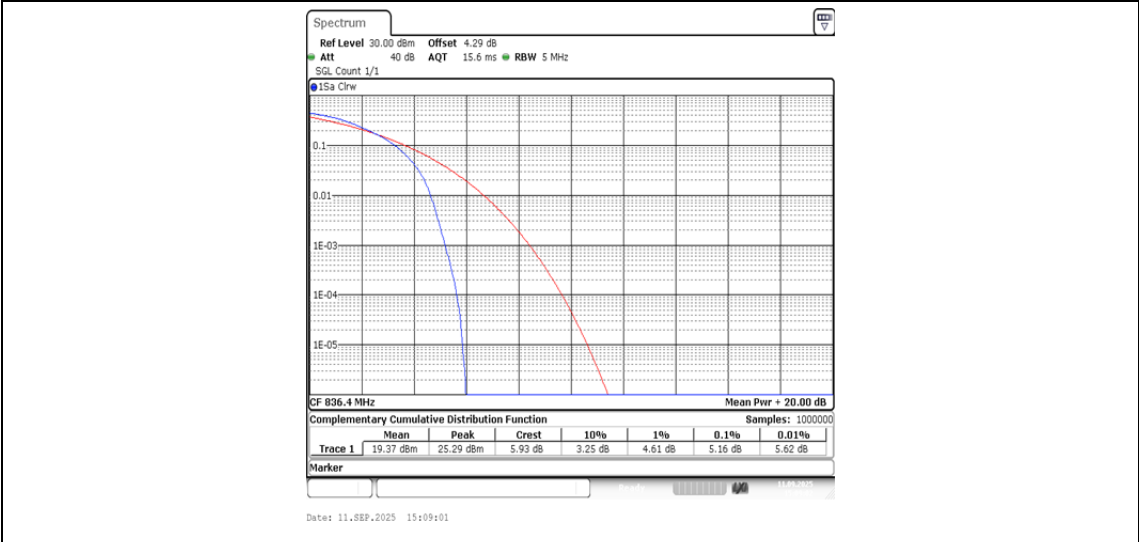
Band5-4132-2-PASS



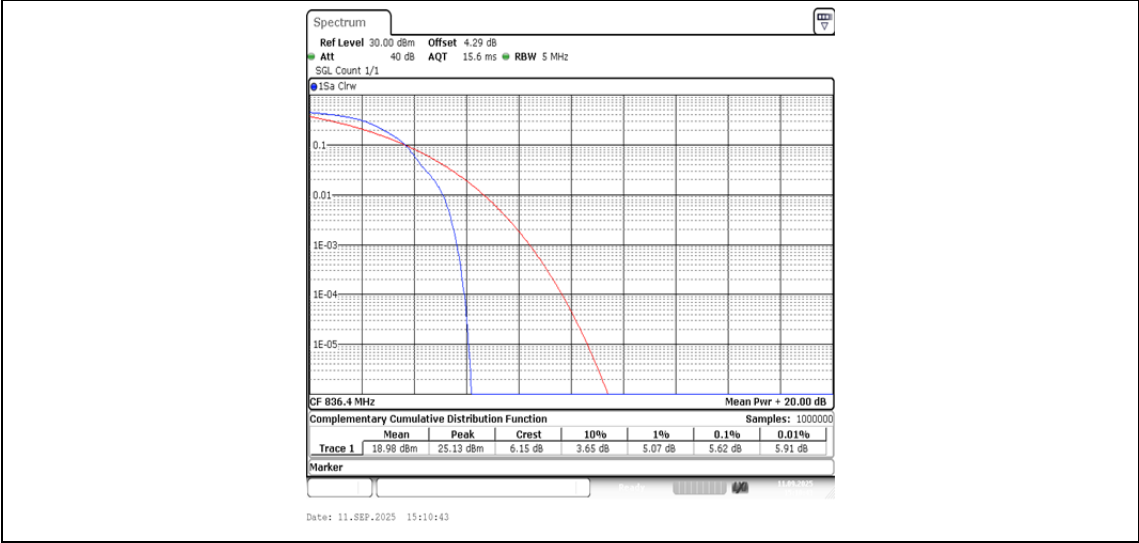




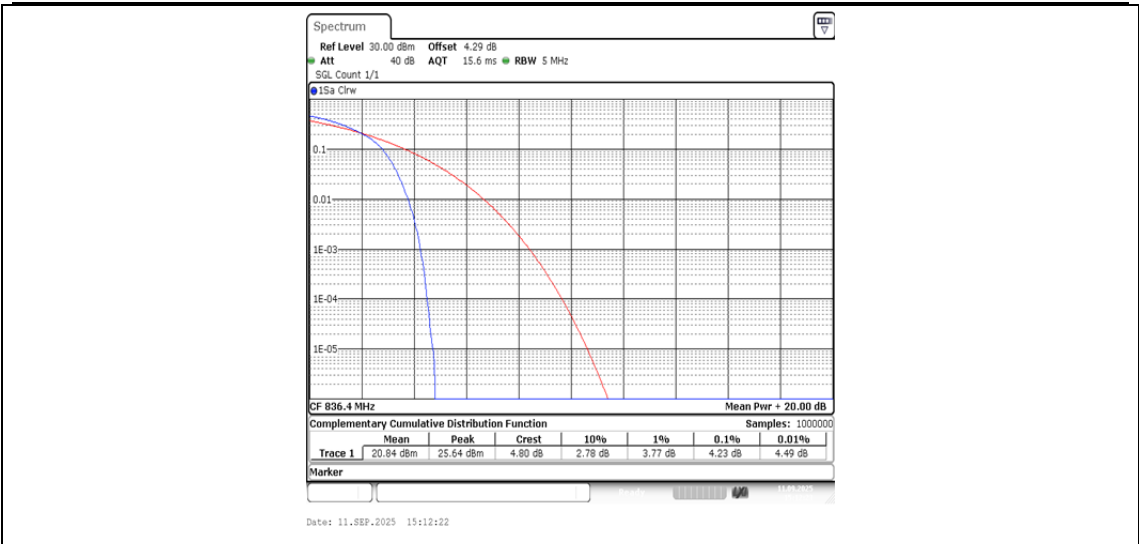
Band5-4182-2-PASS



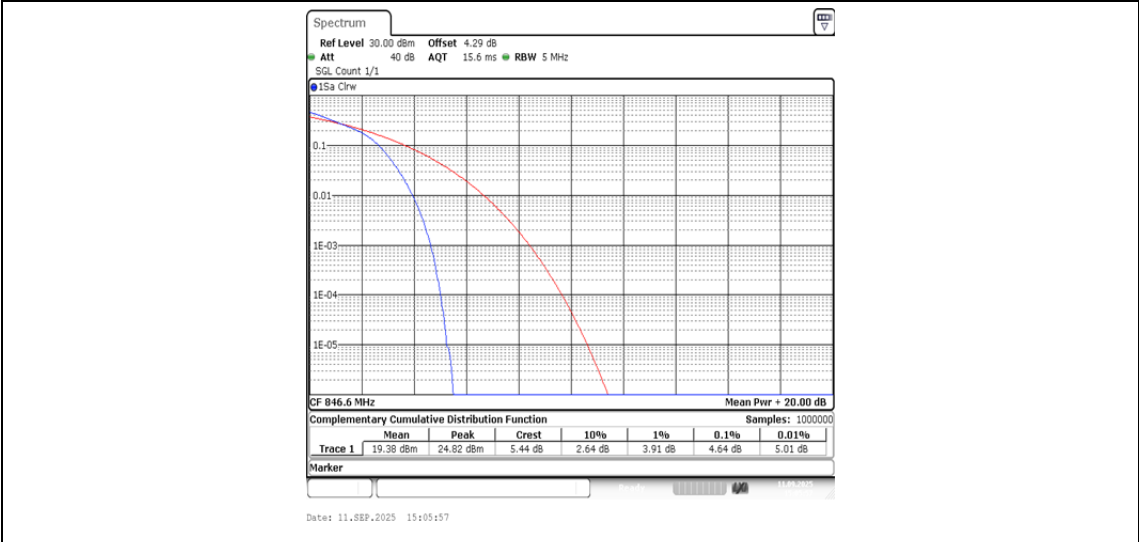
Band5-4182-3-PASS



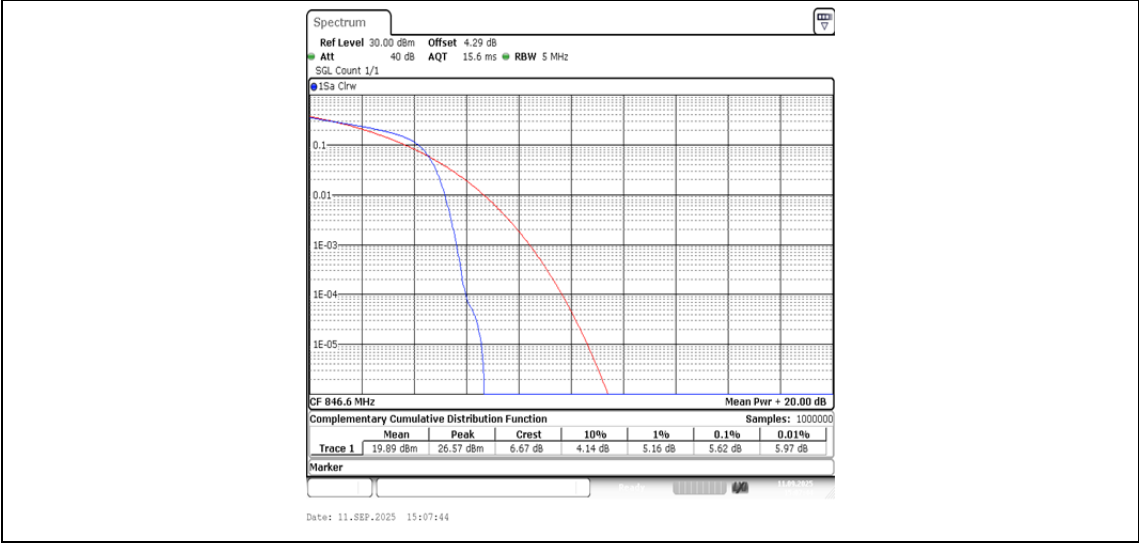
Band5-4182-4-PASS



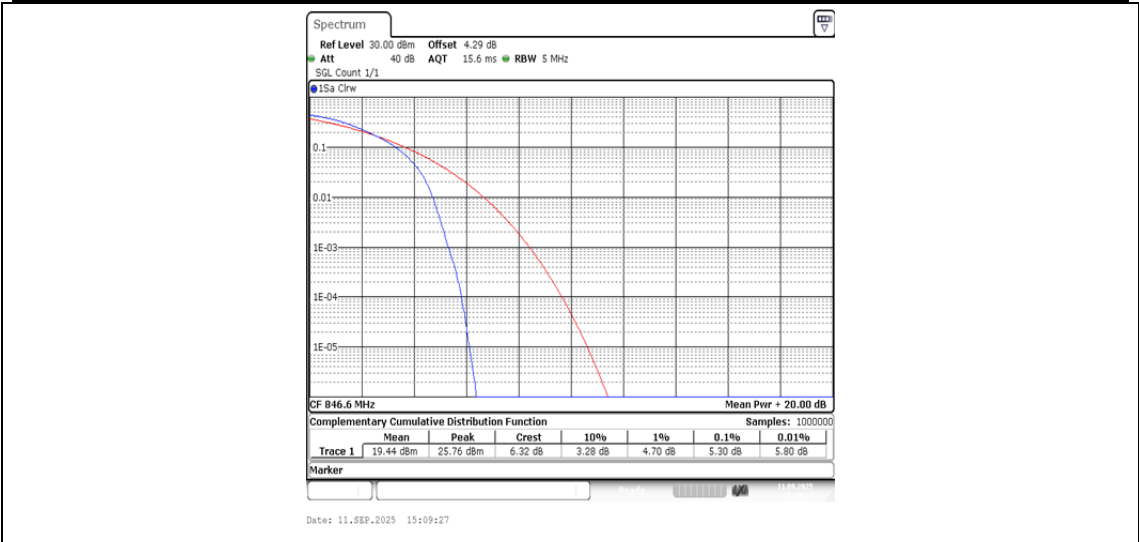
Band5-4182-5-PASS



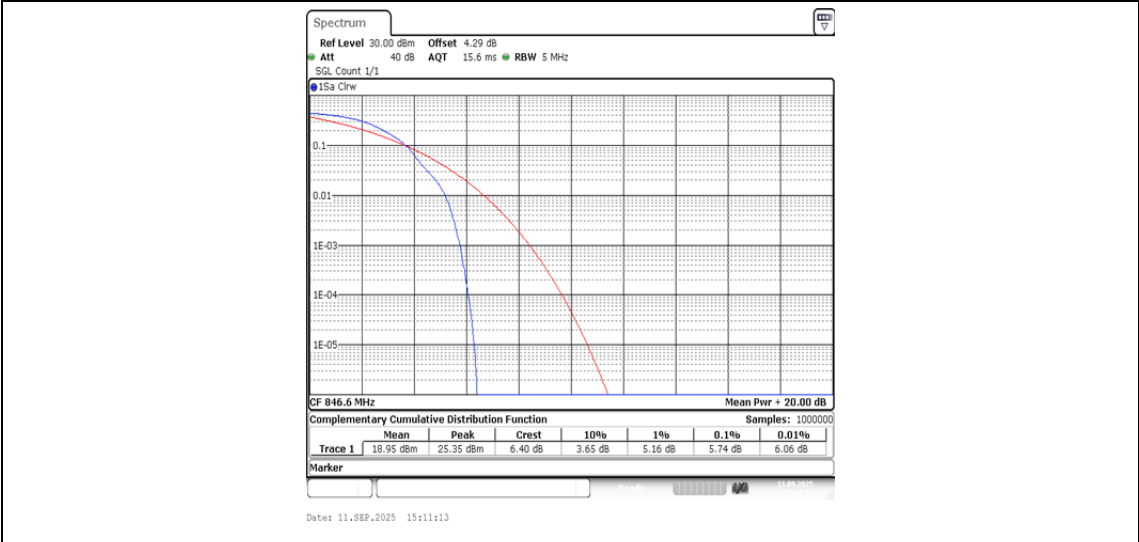
Band5-4233-1-PASS



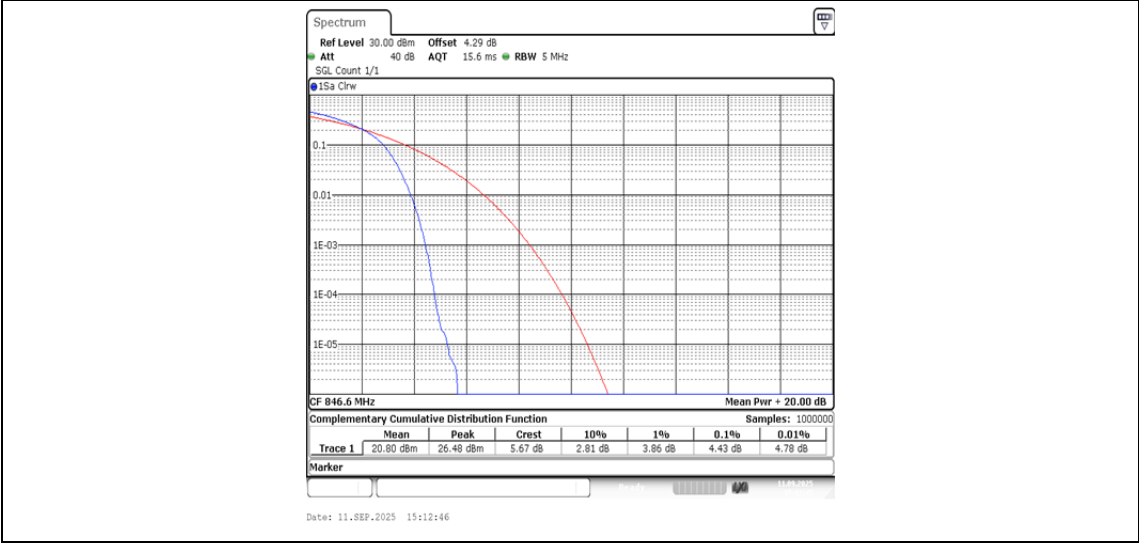
Band5-4233-2-PASS



Band5-4233-3-PASS



Band5-4233-4-PASS



Band5-4233-5-PASS

AppendixC:26dB Bandwidth andOccupied Bandwidth

Test Result

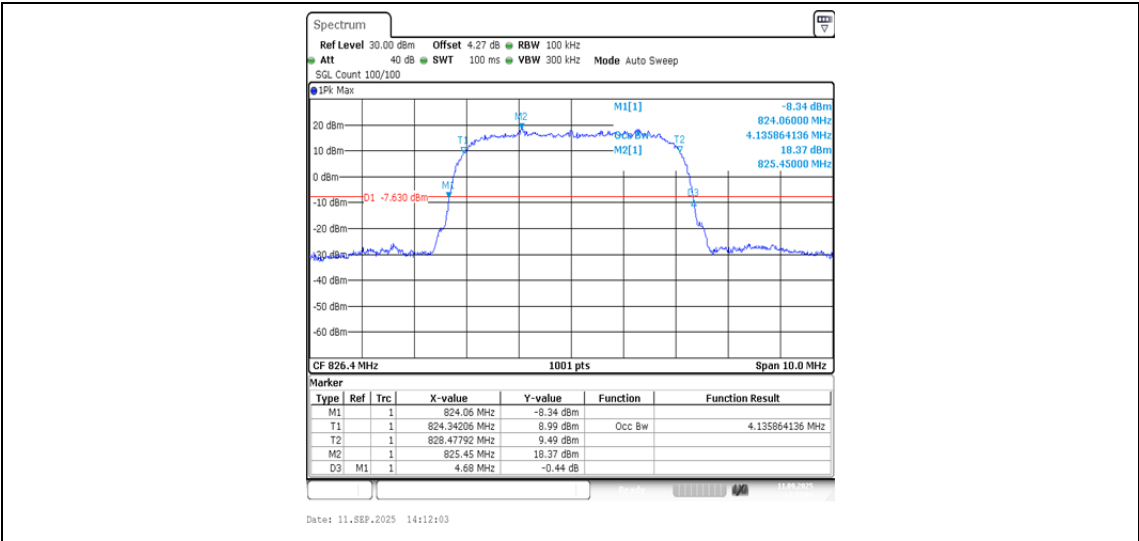
Band	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit(MHz)	Verdict
Band5	4132	4.136	4.68	---	PASS
Band5	4182	4.146	4.67	---	PASS
Band5	4233	4.146	4.68	---	PASS

Band	Channel	SubTest	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit(MHz)	Verdict
Band5	4132	1	4.136	4.68	---	PASS
Band5	4132	2	4.136	4.69	---	PASS
Band5	4132	3	4.156	4.69	---	PASS
Band5	4132	4	4.156	4.70	---	PASS
Band5	4182	1	4.136	4.67	---	PASS
Band5	4182	2	4.136	4.69	---	PASS
Band5	4182	3	4.146	4.69	---	PASS
Band5	4182	4	4.146	4.68	---	PASS
Band5	4233	1	4.136	4.68	---	PASS
Band5	4233	2	4.136	4.68	---	PASS
Band5	4233	3	4.146	4.69	---	PASS
Band5	4233	4	4.146	4.68	---	PASS

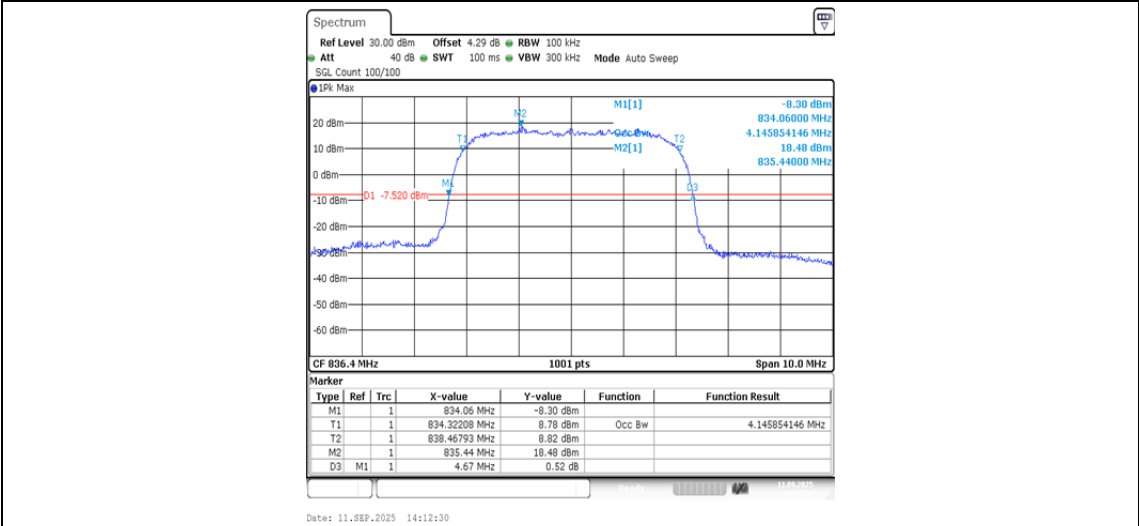
Band	Channel	SubTest	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit(MHz)	Verdict
Band5	4132	1	4.166	4.70	---	PASS
Band5	4132	2	4.166	4.72	---	PASS
Band5	4132	3	4.166	4.71	---	PASS
Band5	4132	4	4.166	4.70	---	PASS
Band5	4132	5	4.146	4.70	---	PASS
Band5	4182	1	4.146	4.69	---	PASS
Band5	4182	2	4.166	4.69	---	PASS
Band5	4182	3	4.166	4.70	---	PASS
Band5	4182	4	4.156	4.69	---	PASS
Band5	4182	5	4.146	4.69	---	PASS
Band5	4233	1	4.156	4.68	---	PASS

Band5	4233	2	4.176	4.70	---	PASS
Band5	4233	3	4.176	4.70	---	PASS
Band5	4233	4	4.166	4.70	---	PASS
Band5	4233	5	4.156	4.68	---	PASS

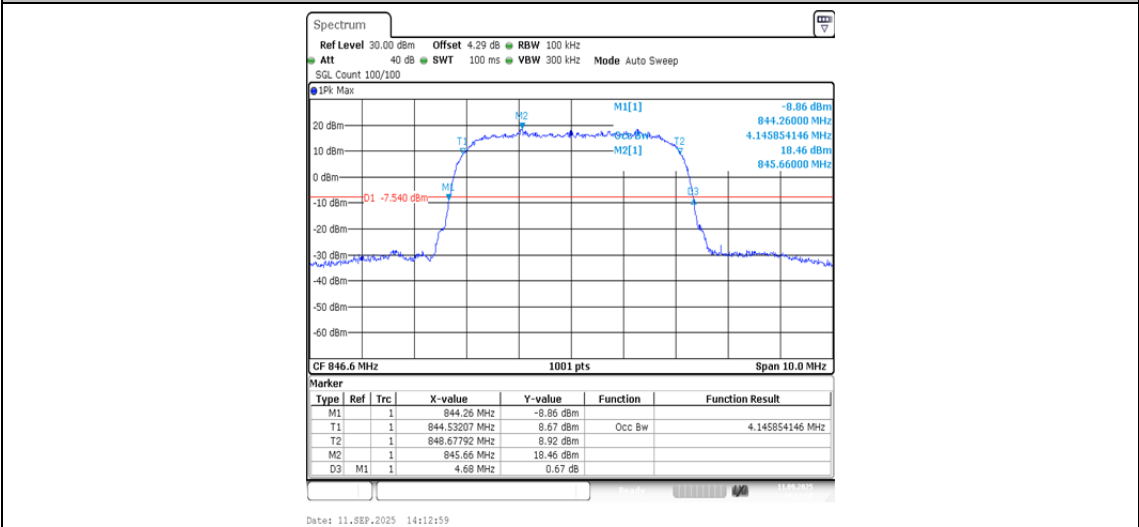
Test Graphs



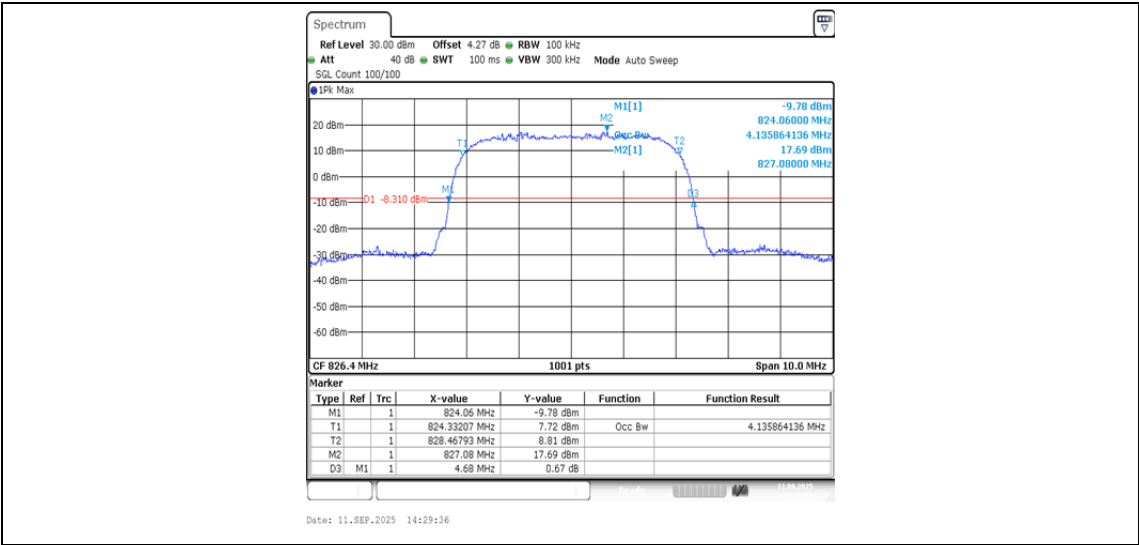
Band5-4132-PASS



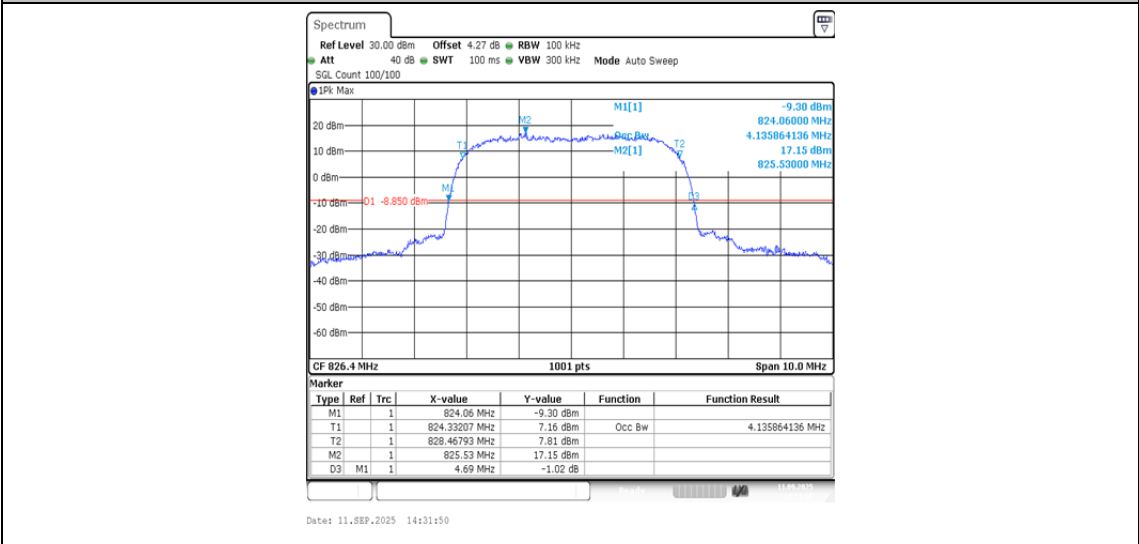
Band5-4182-PASS



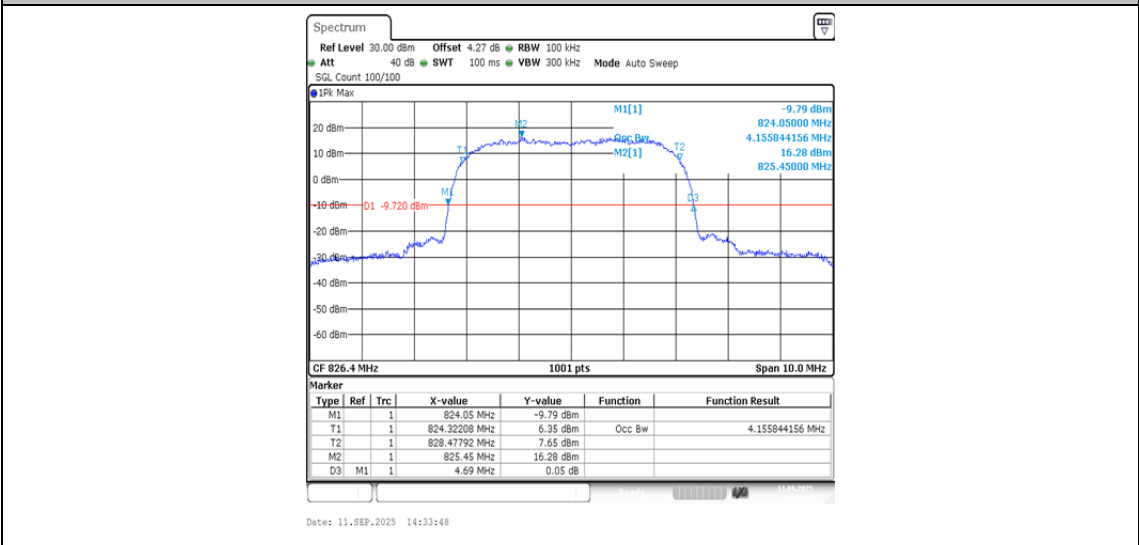
Band5-4233-PASS

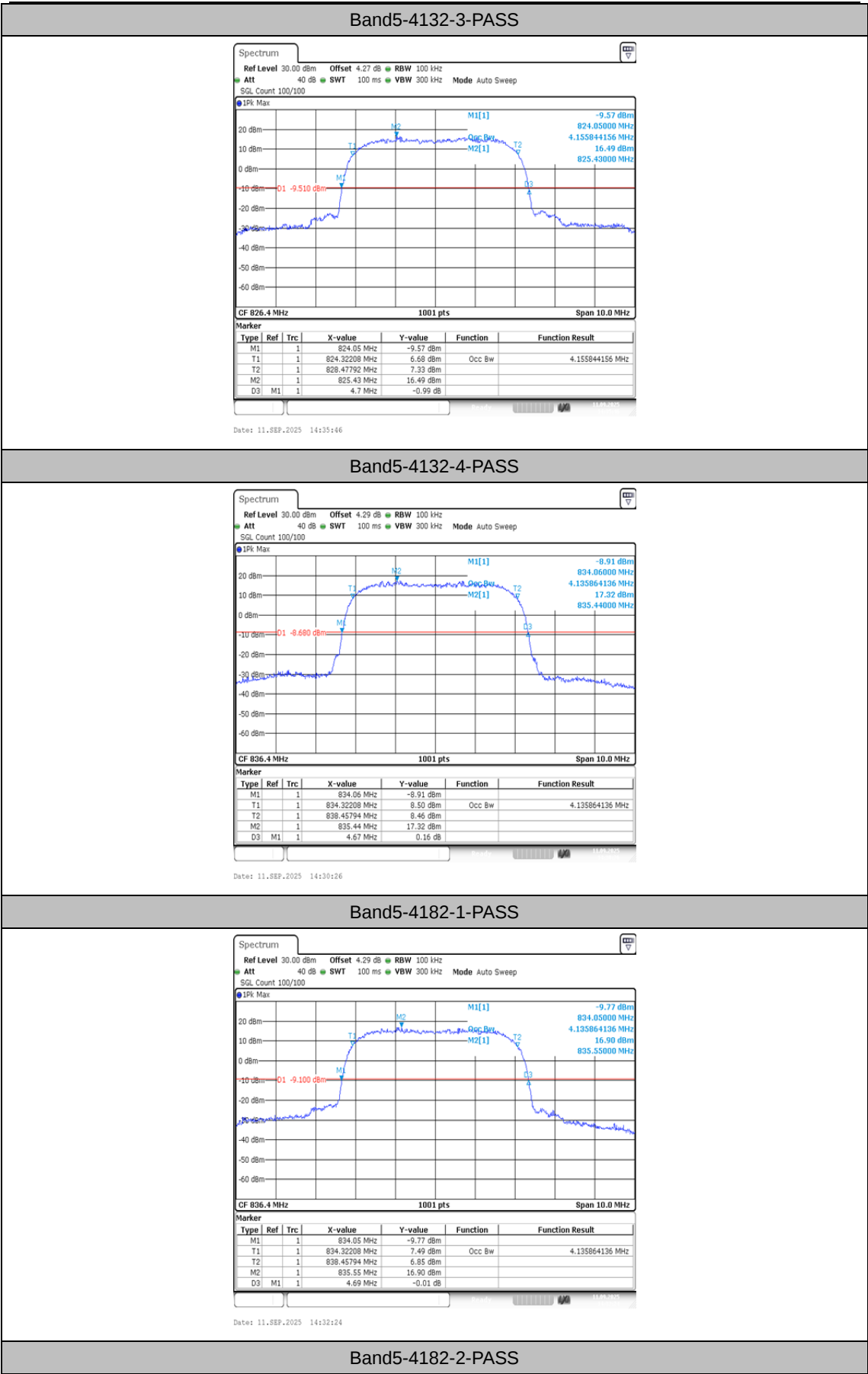


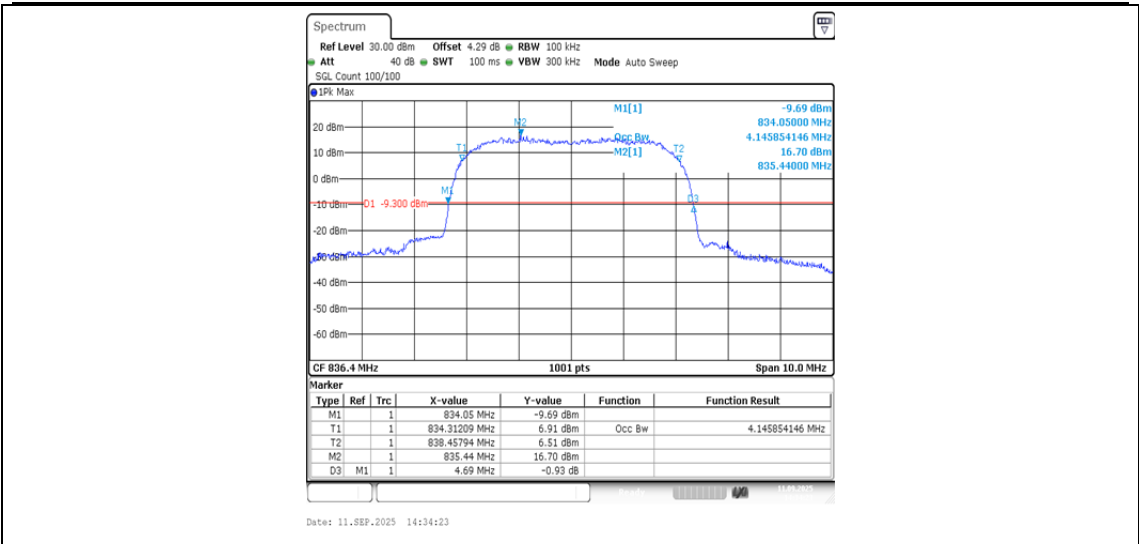
Band5-4132-1-PASS



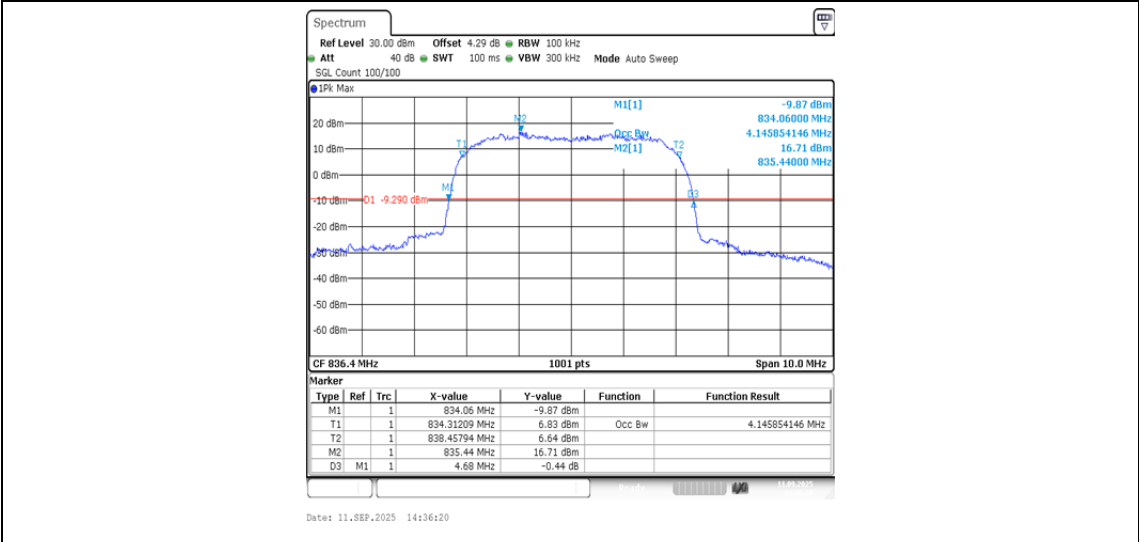
Band5-4132-2-PASS



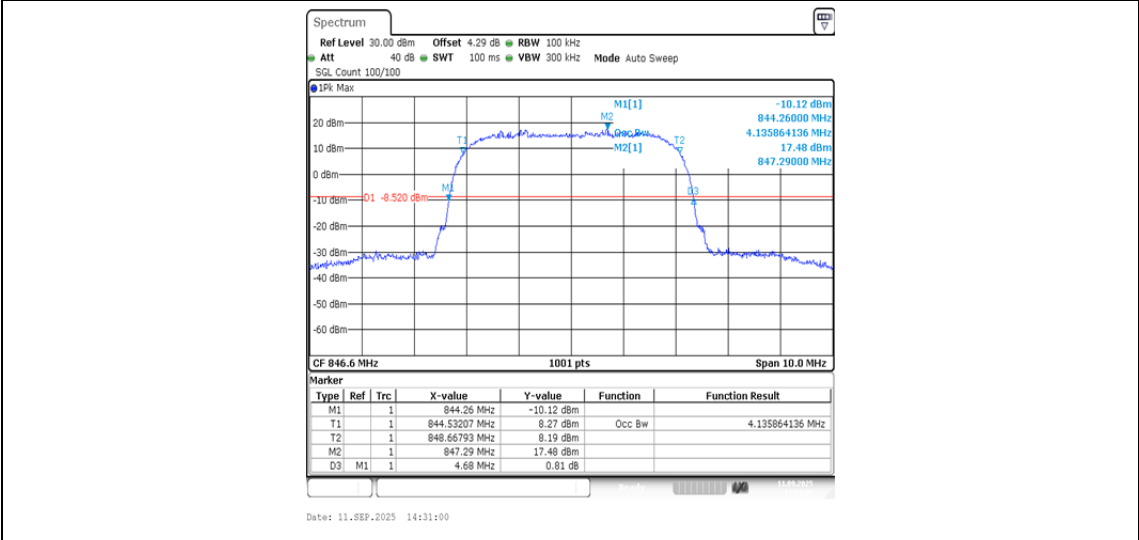




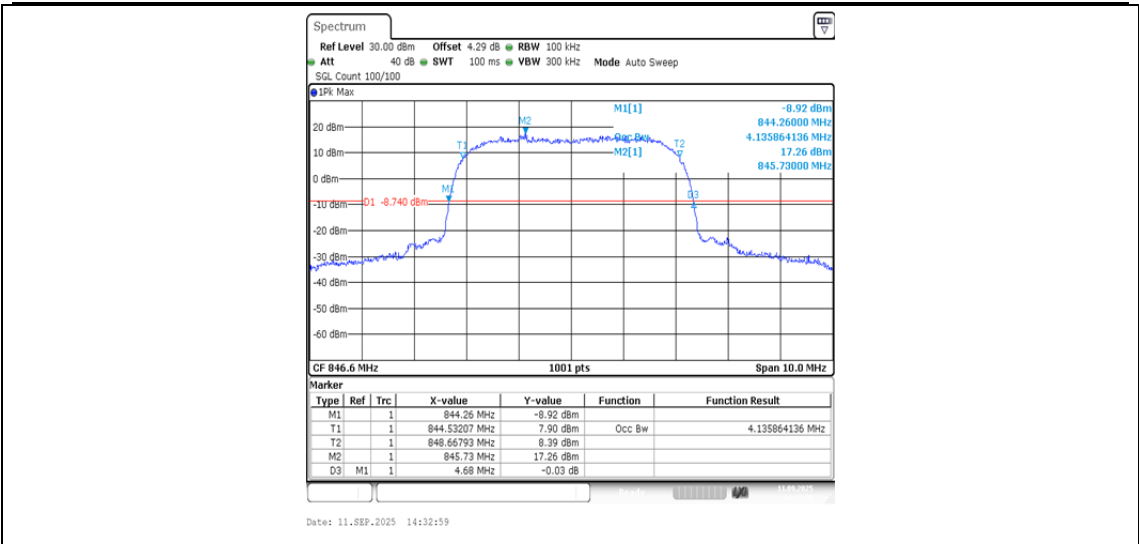
Band5-4182-3-PASS



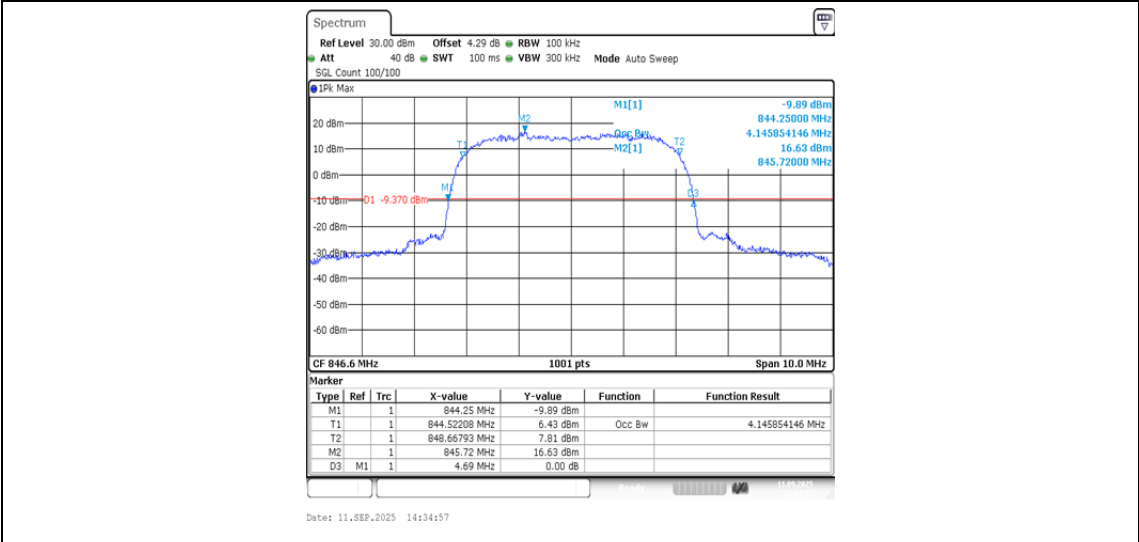
Band5-4182-4-PASS



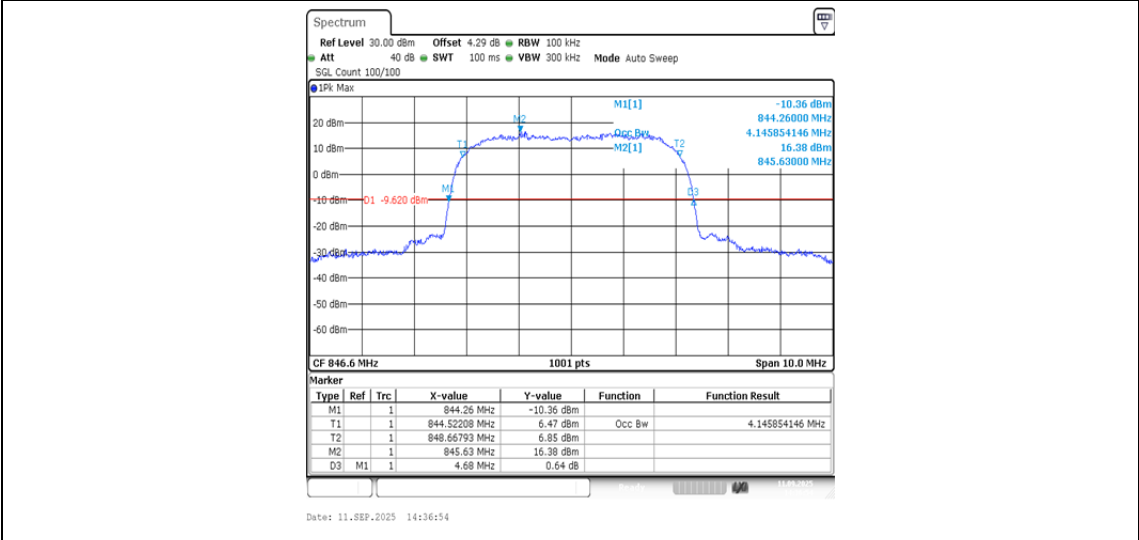
Band5-4233-1-PASS



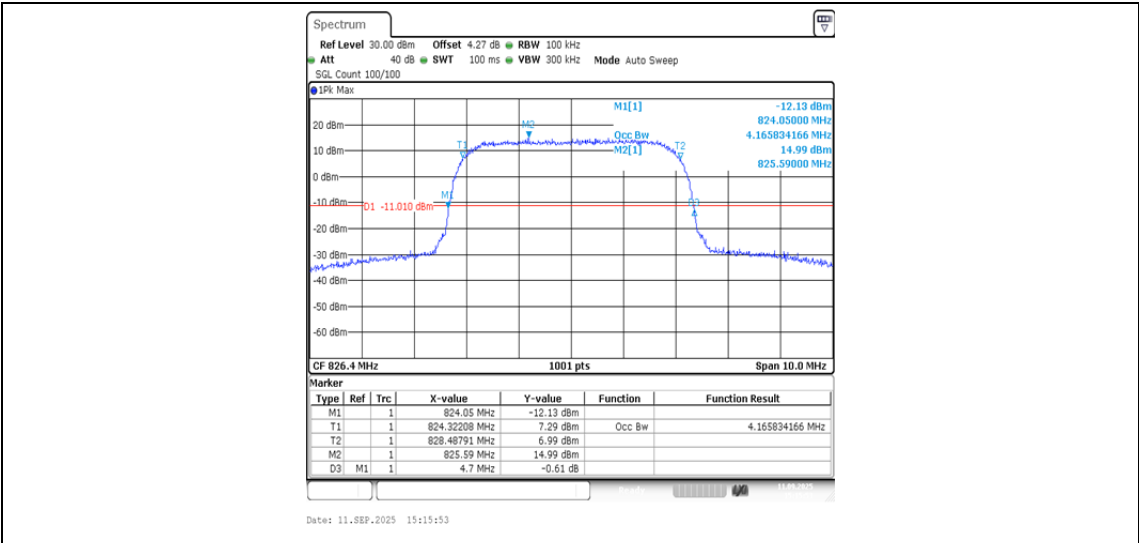
Band5-4233-2-PASS



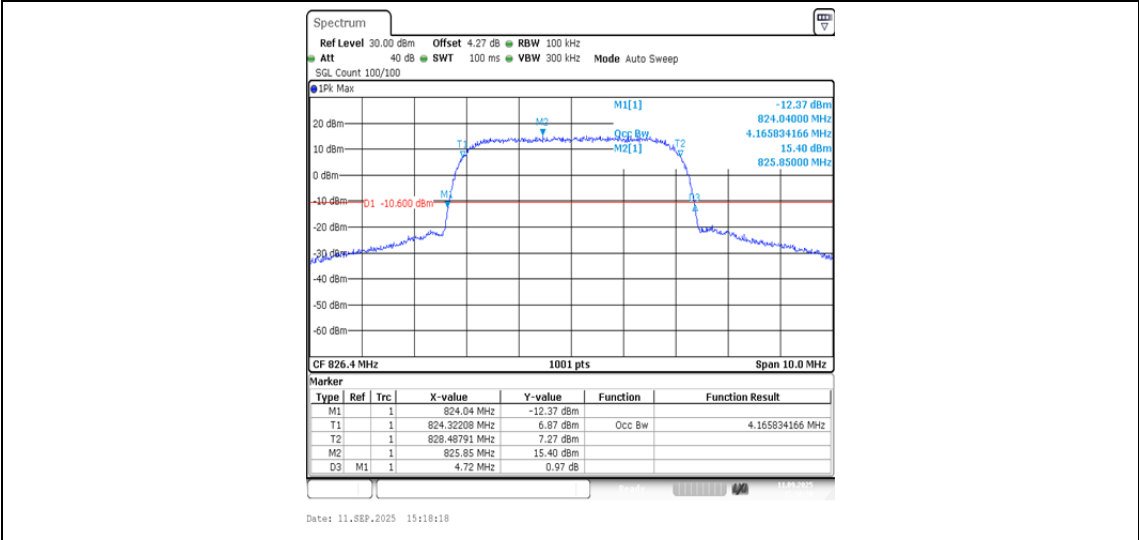
Band5-4233-3-PASS



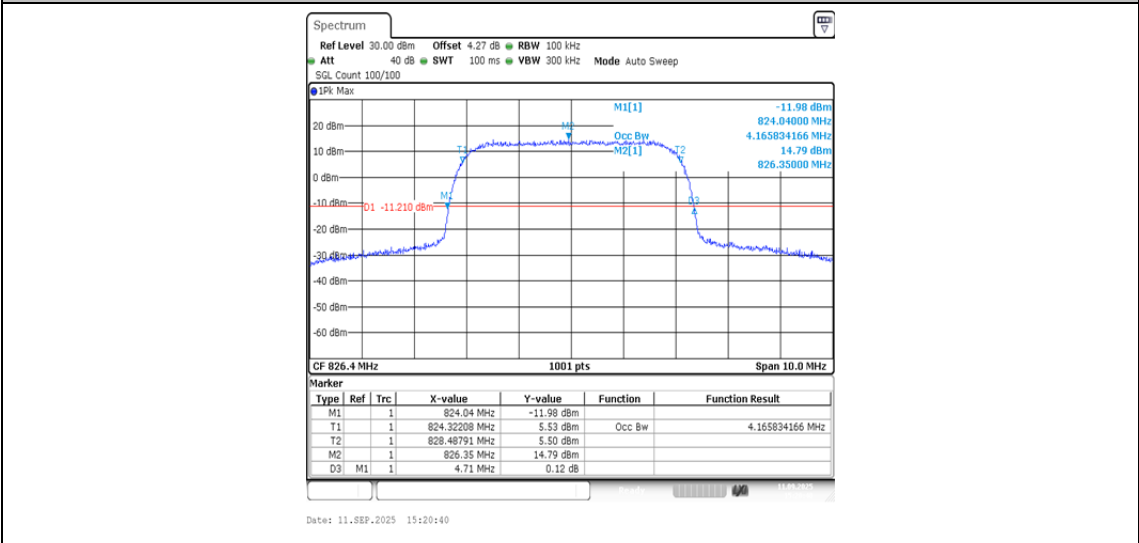
Band5-4233-4-PASS

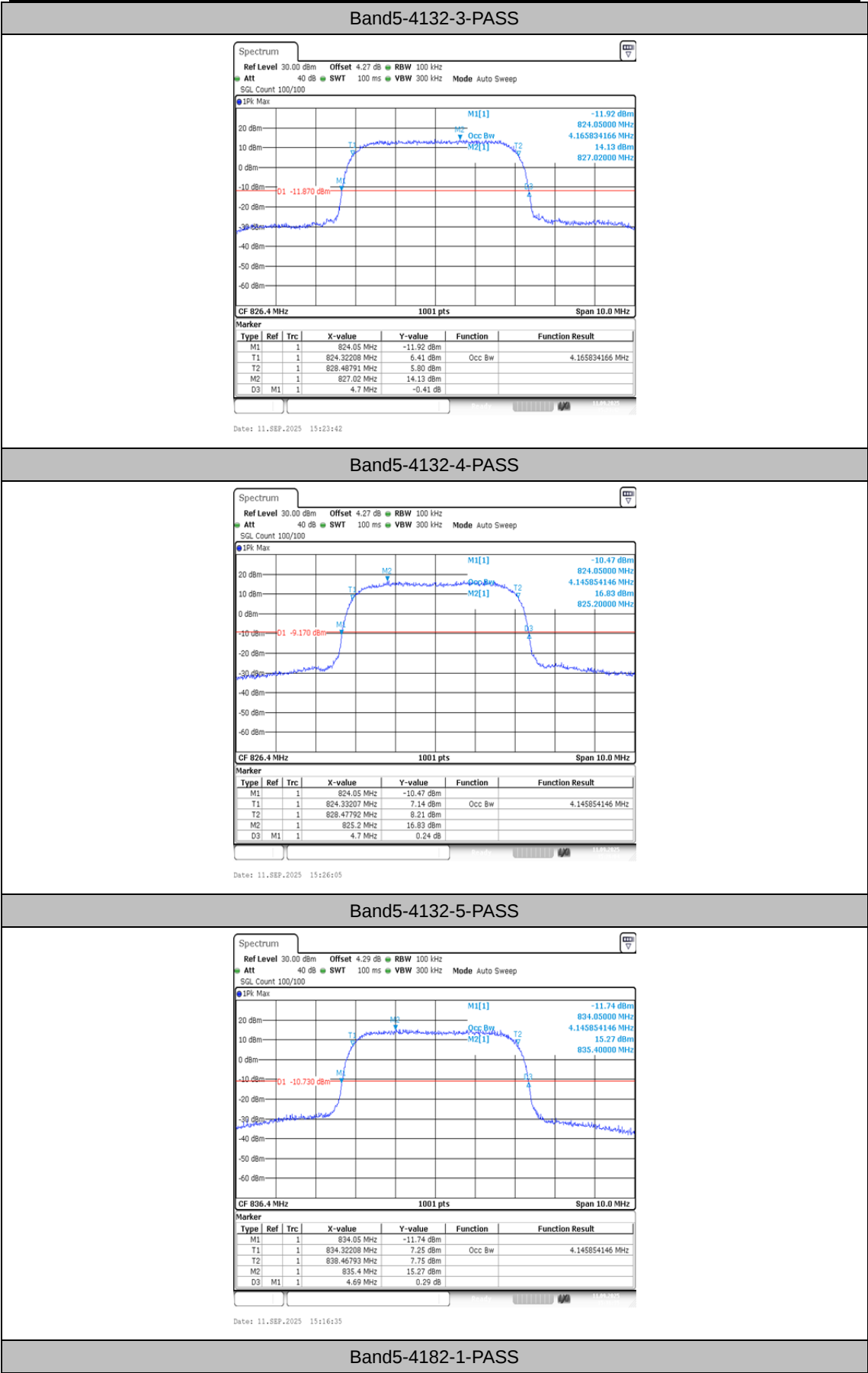


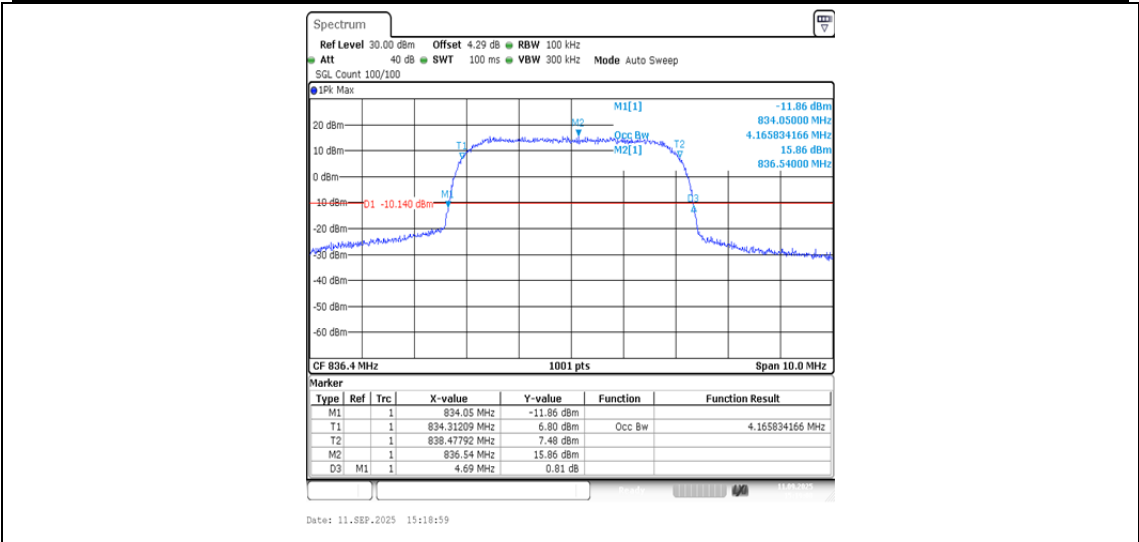
Band5-4132-1-PASS



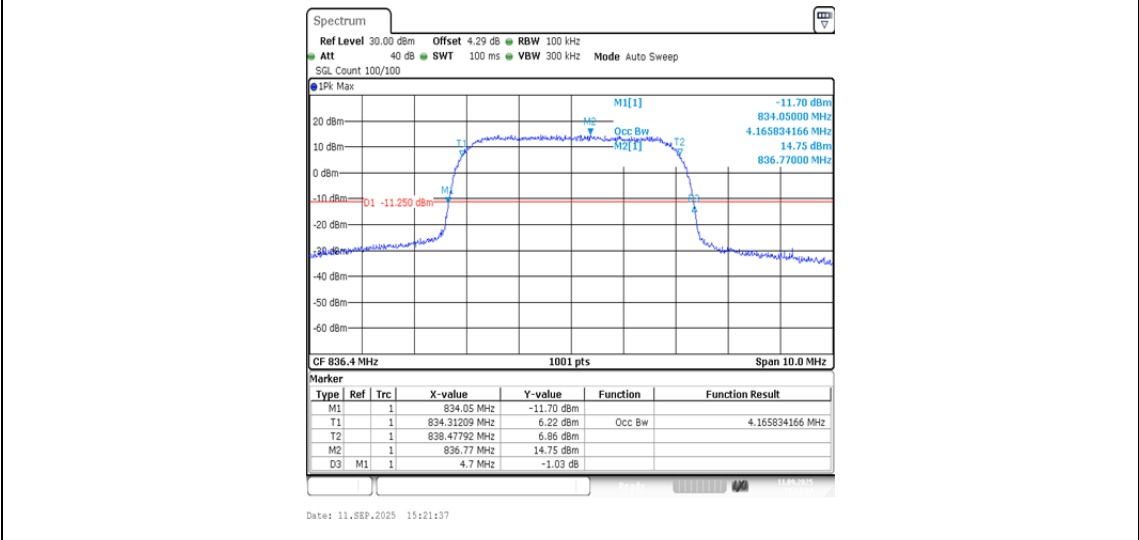
Band5-4132-2-PASS



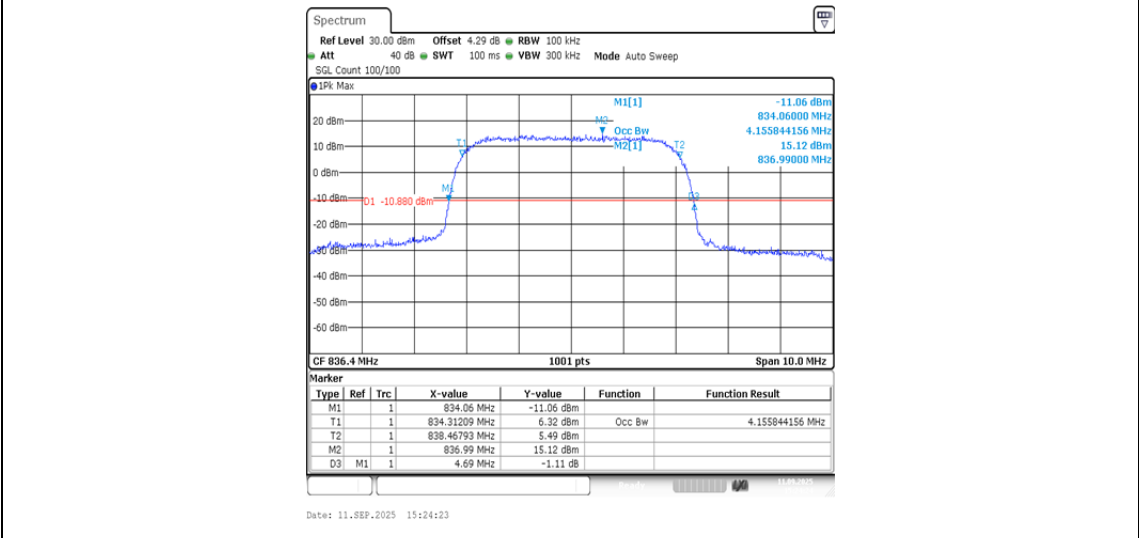




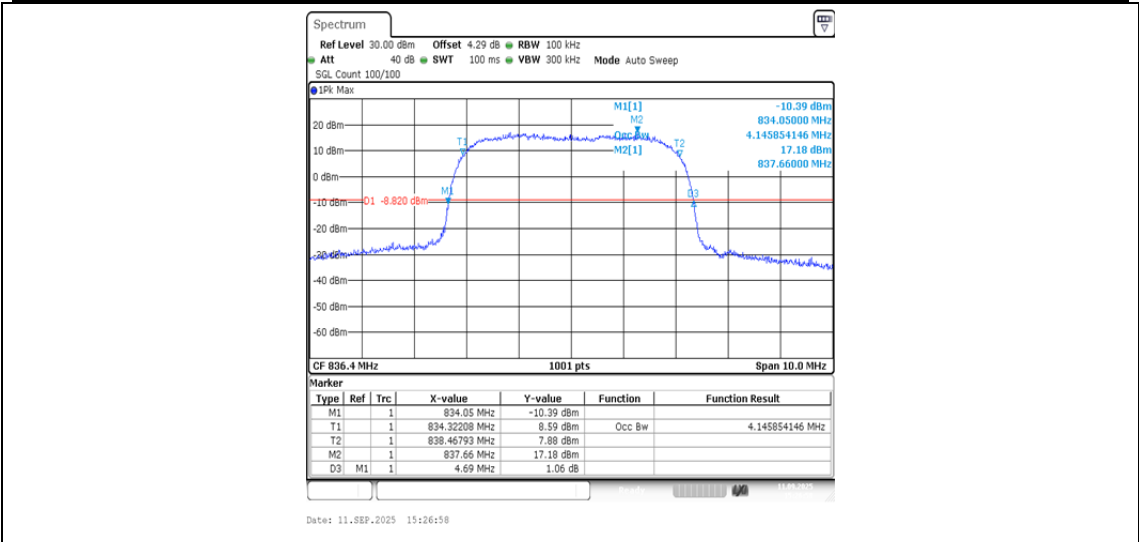
Band5-4182-2-PASS



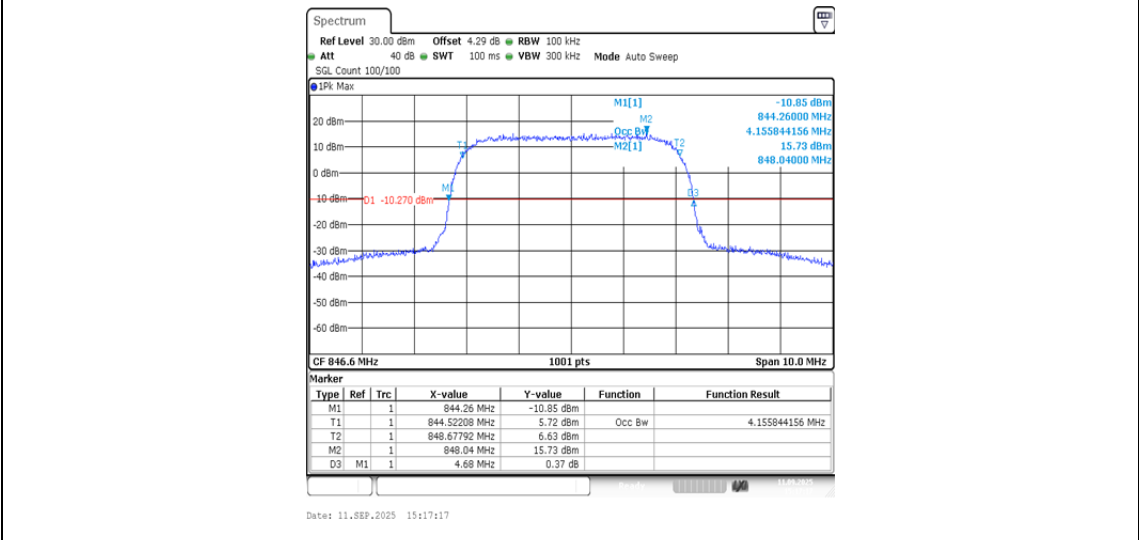
Band5-4182-3-PASS



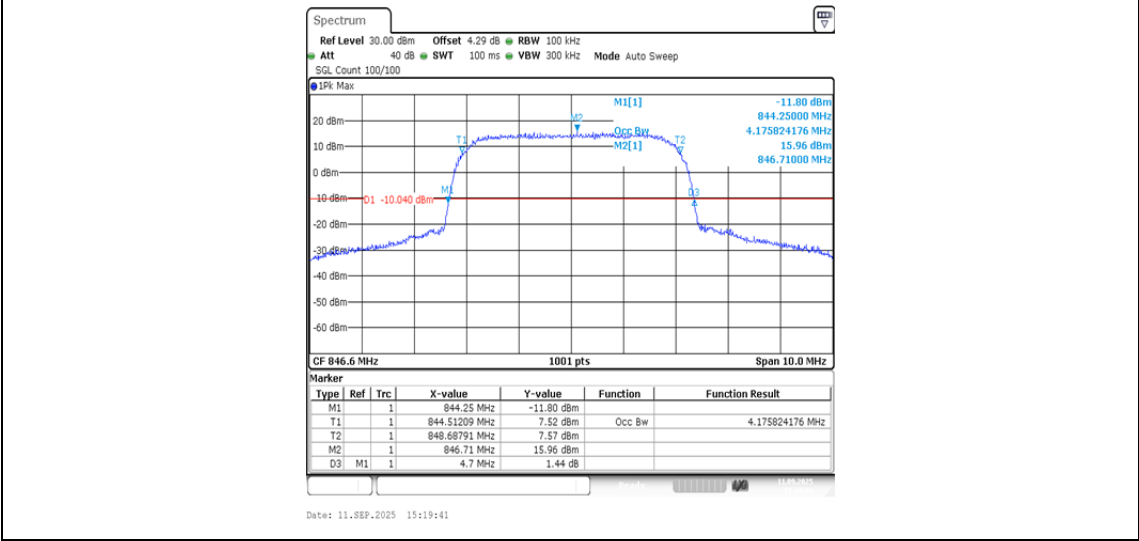
Band5-4182-4-PASS



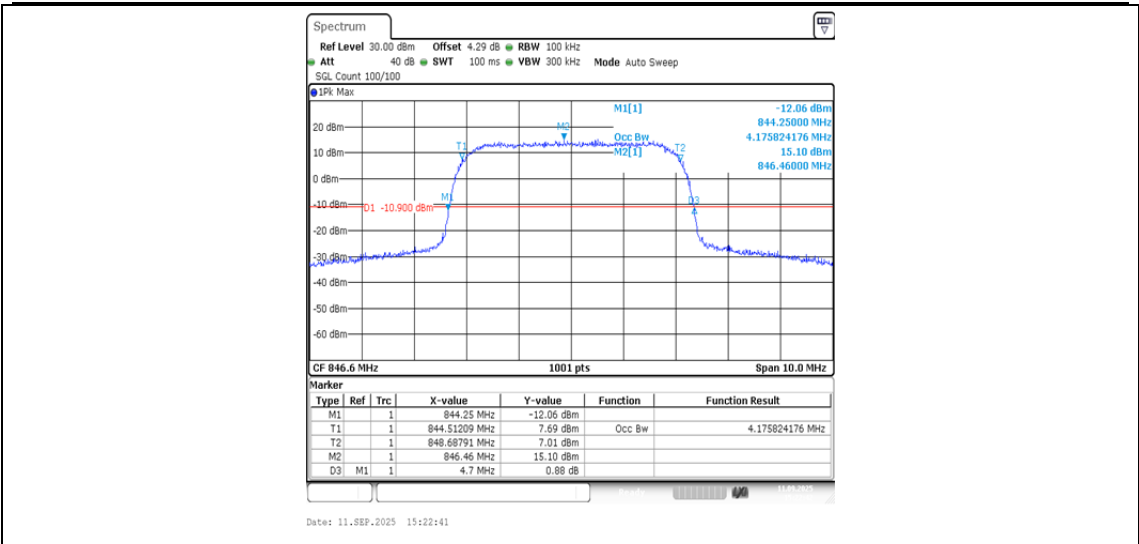
Band5-4182-5-PASS



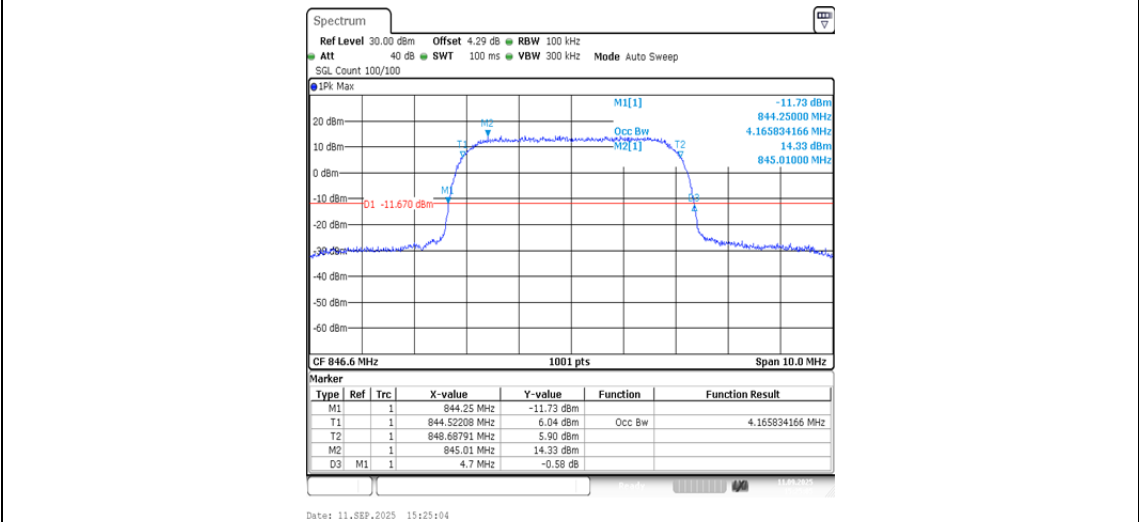
Band5-4233-1-PASS



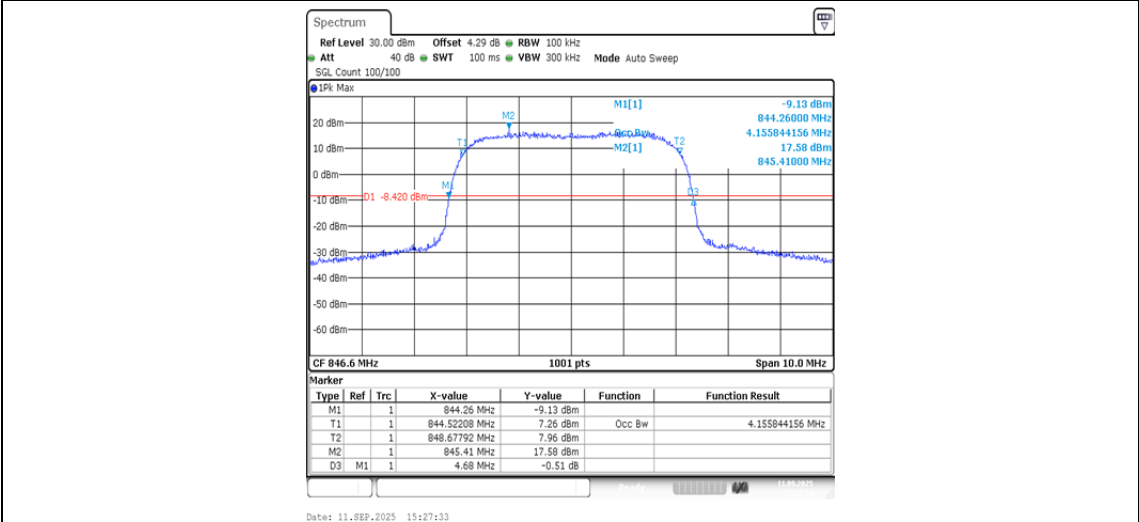
Band5-4233-2-PASS



Band5-4233-3-PASS



Band5-4233-4-PASS



Band5-4233-5-PASS

AppendixD:Band Edge

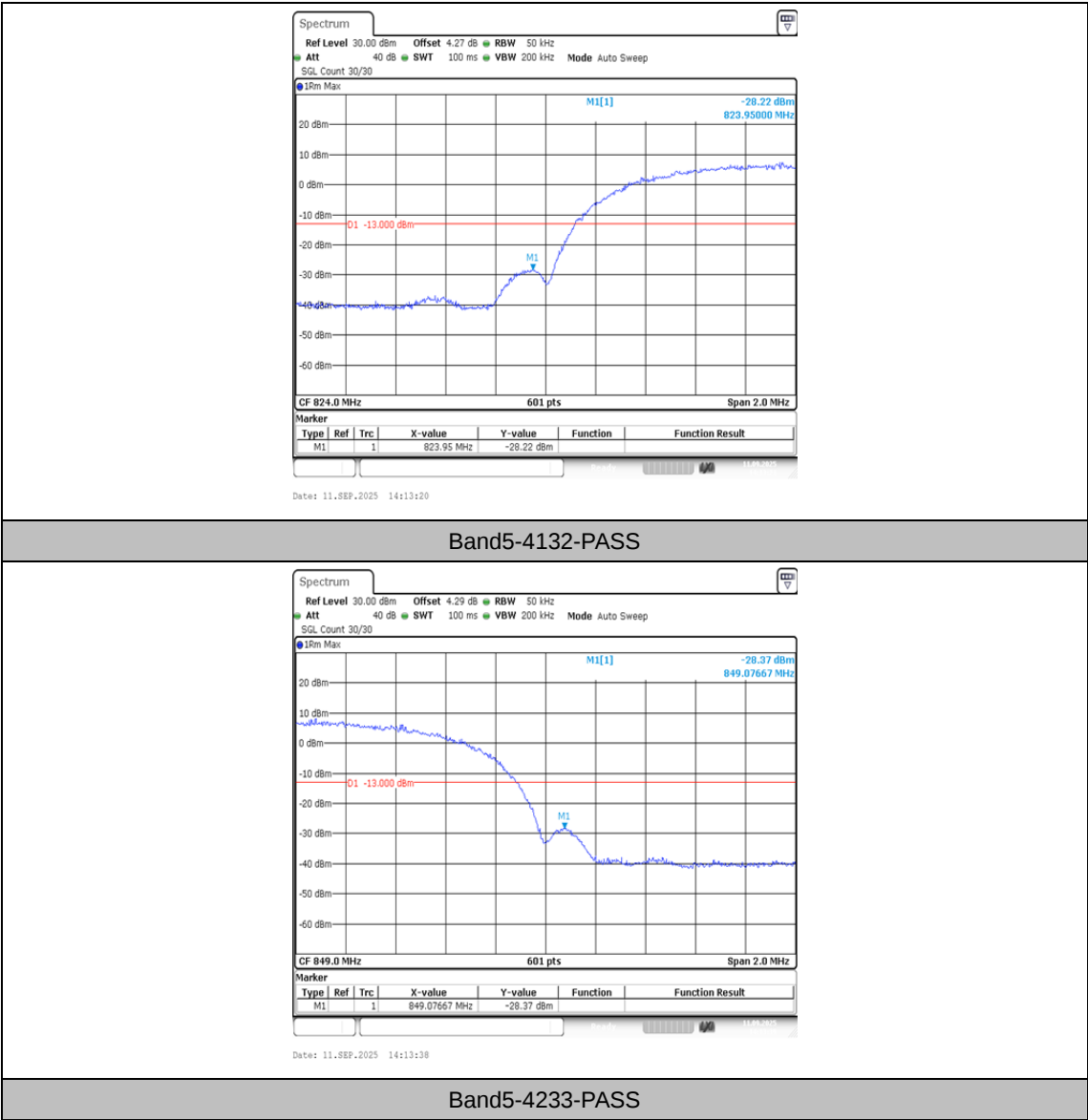
Test Result

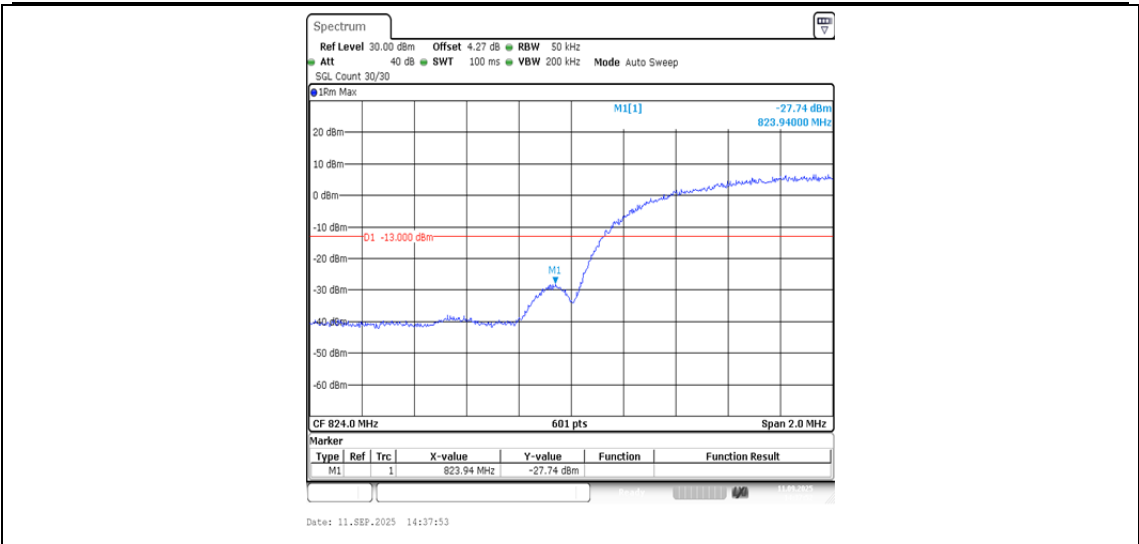
Band	Channel	Frequency (MHz)	Result (dBm)	Limit(dBm)	Verdict
Band5	4132	823.95	-28.22	-13	PASS
Band5	4233	849.08	-28.37	-13	PASS

Band	Channel	SubTest	Frequency (MHz)	Result (dBm)	Limit(dBm)	Verdict
Band5	4132	1	823.94	-27.74	-13	PASS
Band5	4132	2	823.75	-29.55	-13	PASS
Band5	4132	3	823.77	-30.02	-13	PASS
Band5	4132	4	823.76	-29.47	-13	PASS
Band5	4233	1	849.06	-28.16	-13	PASS
Band5	4233	2	849.31	-30.38	-13	PASS
Band5	4233	3	849.28	-30.55	-13	PASS
Band5	4233	4	849.30	-31.10	-13	PASS

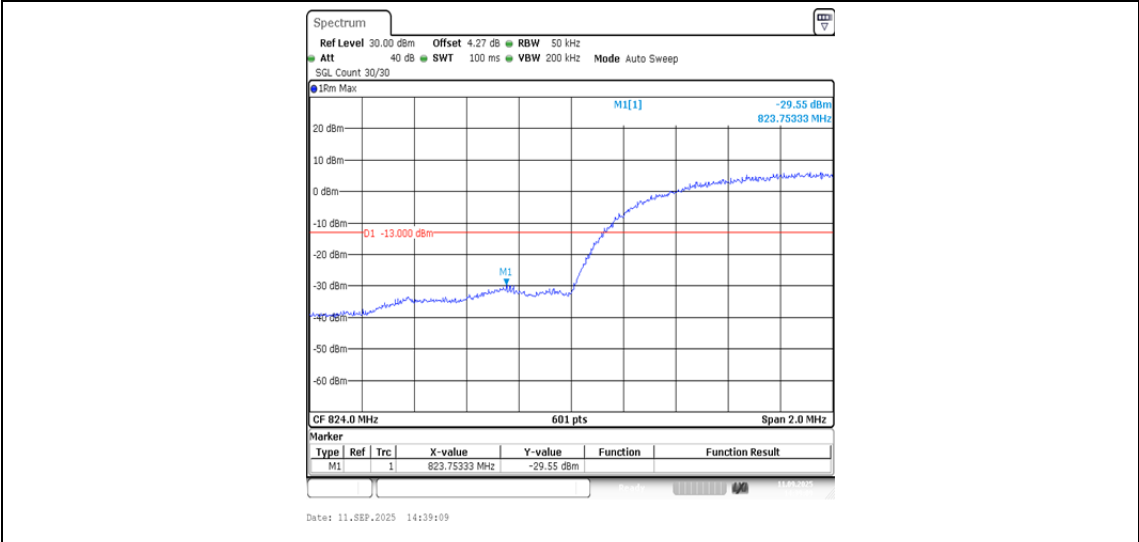
Band	Channel	SubTest	Frequency (MHz)	Result (dBm)	Limit(dBm)	Verdict
Band5	4132	1	823.92	-30.94	-13	PASS
Band5	4132	2	823.75	-30.81	-13	PASS
Band5	4132	3	823.93	-32.08	-13	PASS
Band5	4132	4	823.94	-34.08	-13	PASS
Band5	4132	5	823.93	-31.13	-13	PASS
Band5	4233	1	849.07	-31.01	-13	PASS
Band5	4233	2	849.27	-29.83	-13	PASS
Band5	4233	3	849.05	-31.85	-13	PASS
Band5	4233	4	849.09	-32.98	-13	PASS
Band5	4233	5	849.06	-30.90	-13	PASS

Test Graphs

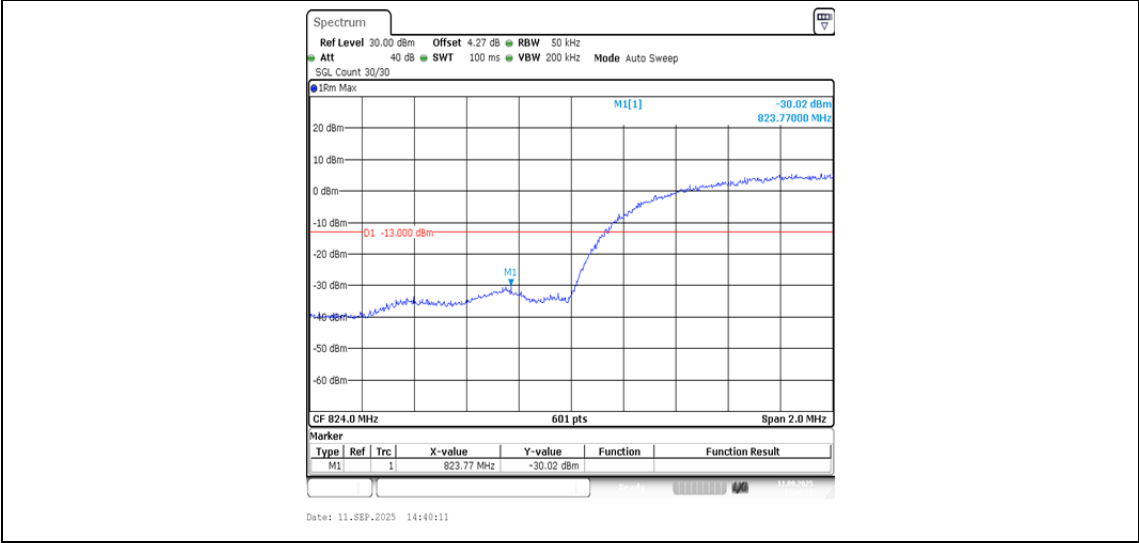




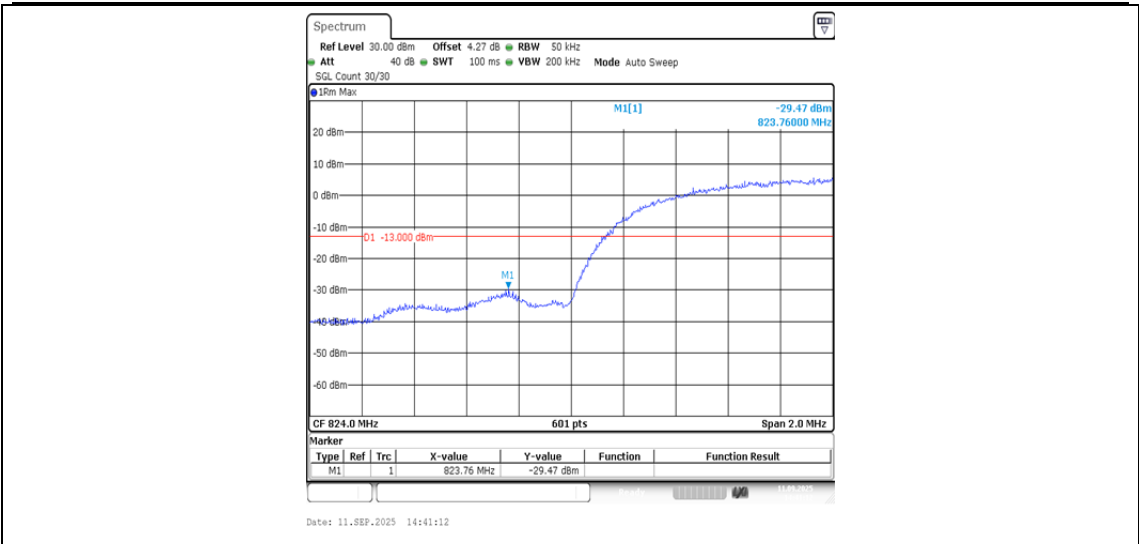
Band5-4132-1-PASS



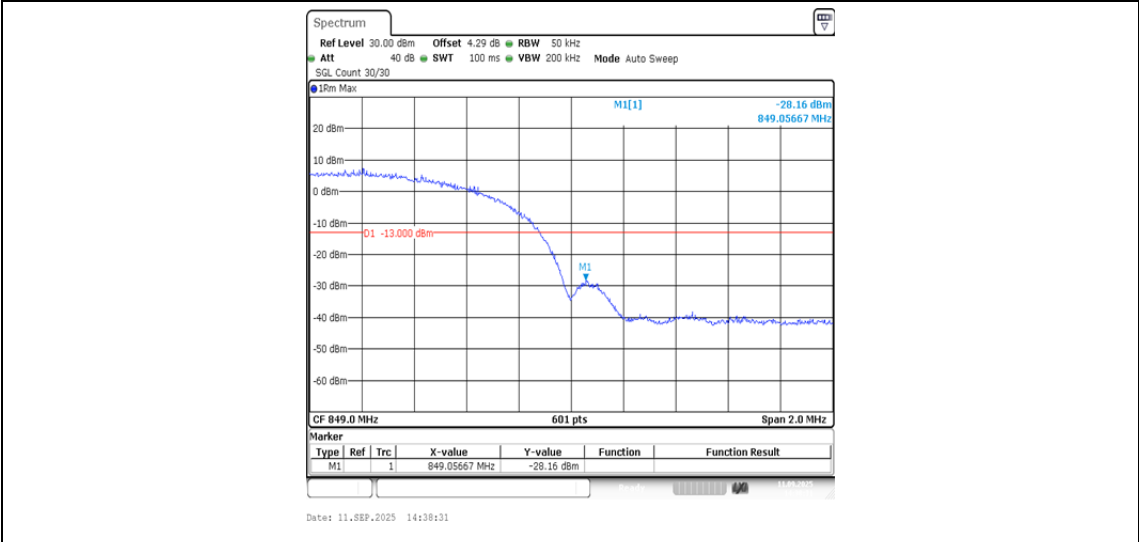
Band5-4132-2-PASS



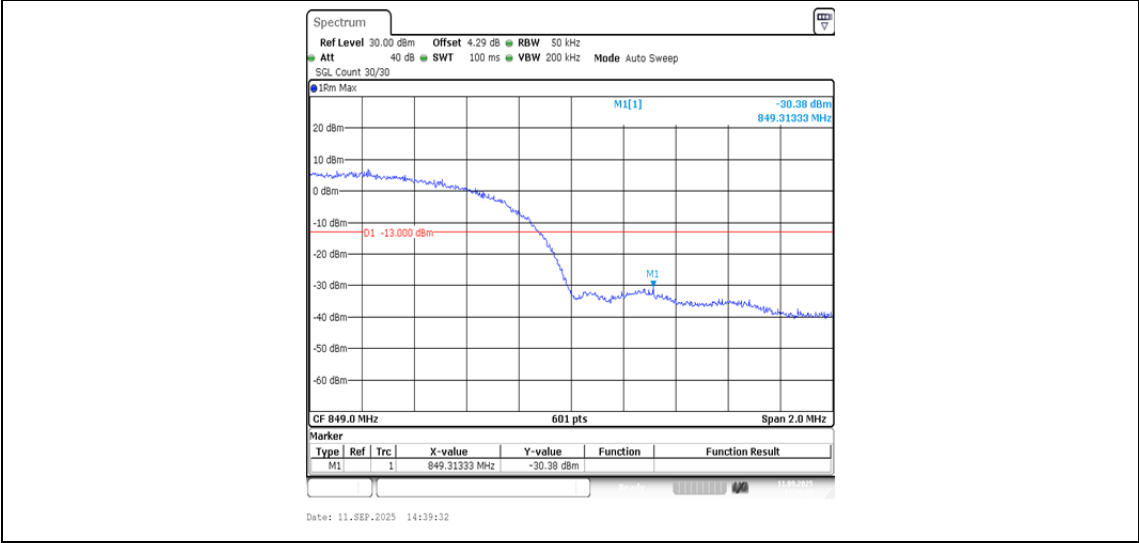
Band5-4132-3-PASS



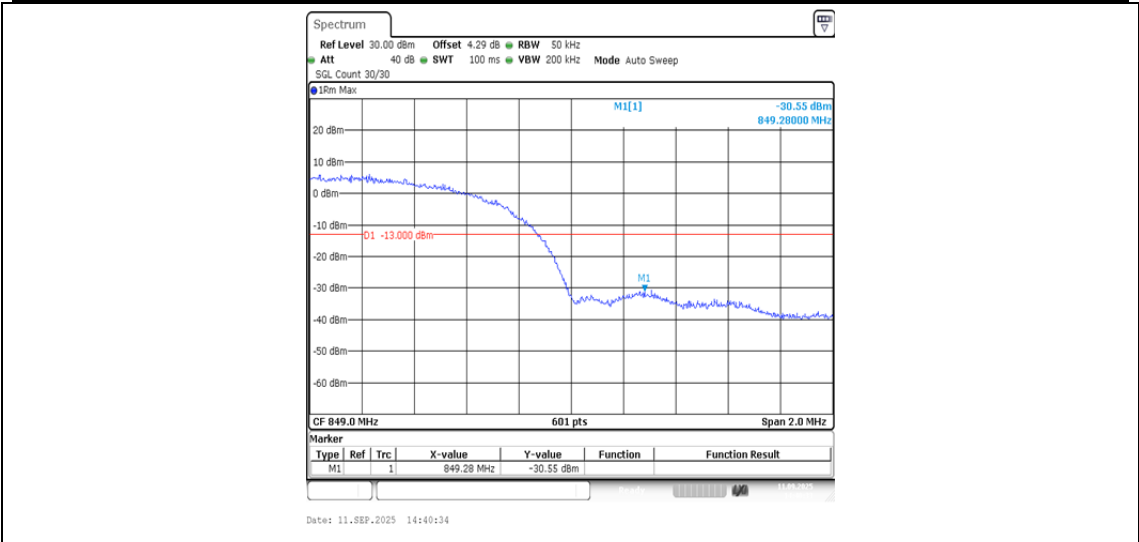
Band5-4132-4-PASS



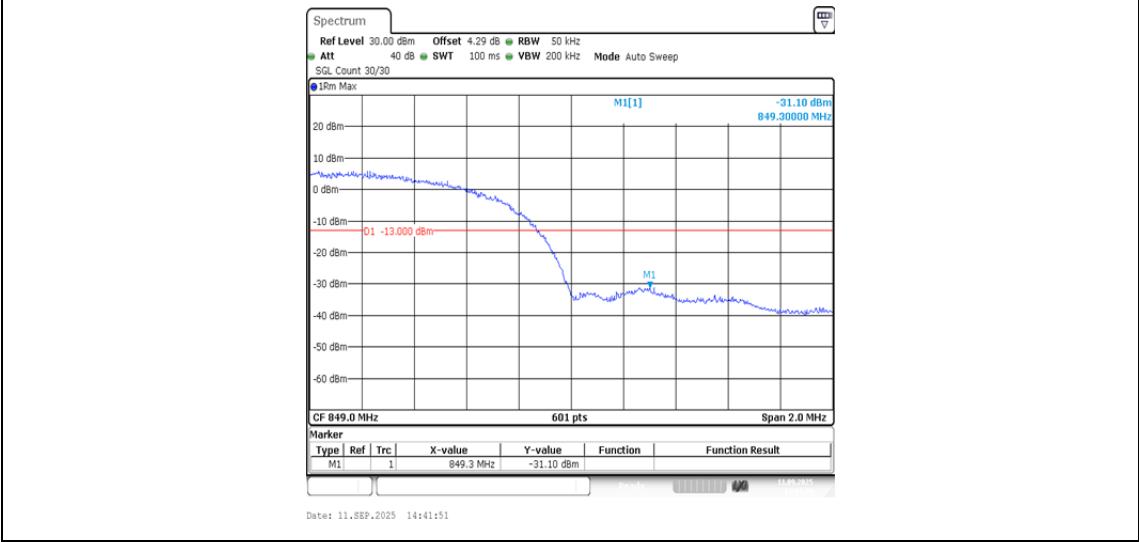
Band5-4233-1-PASS



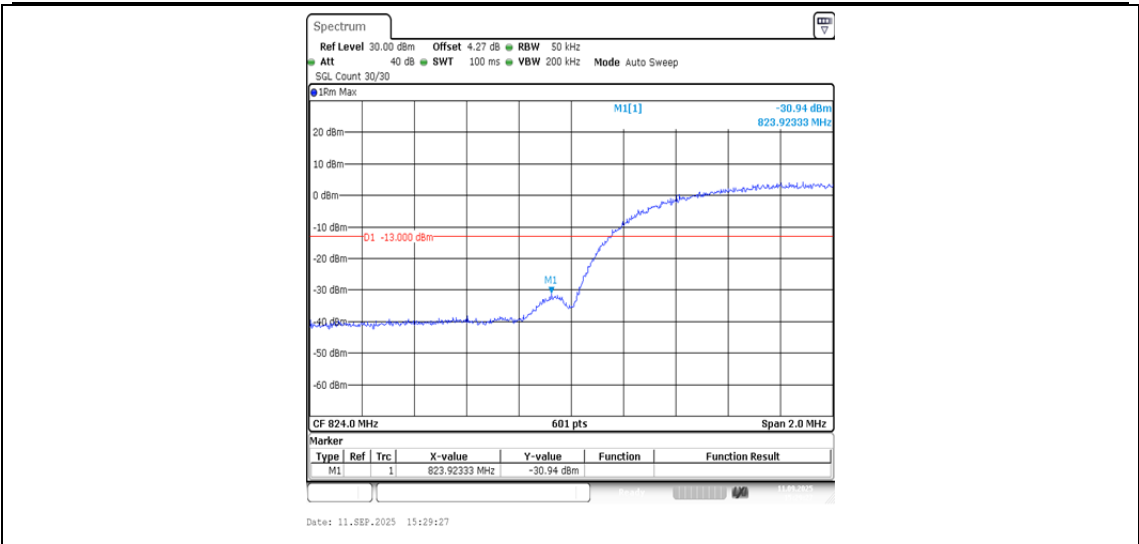
Band5-4233-2-PASS



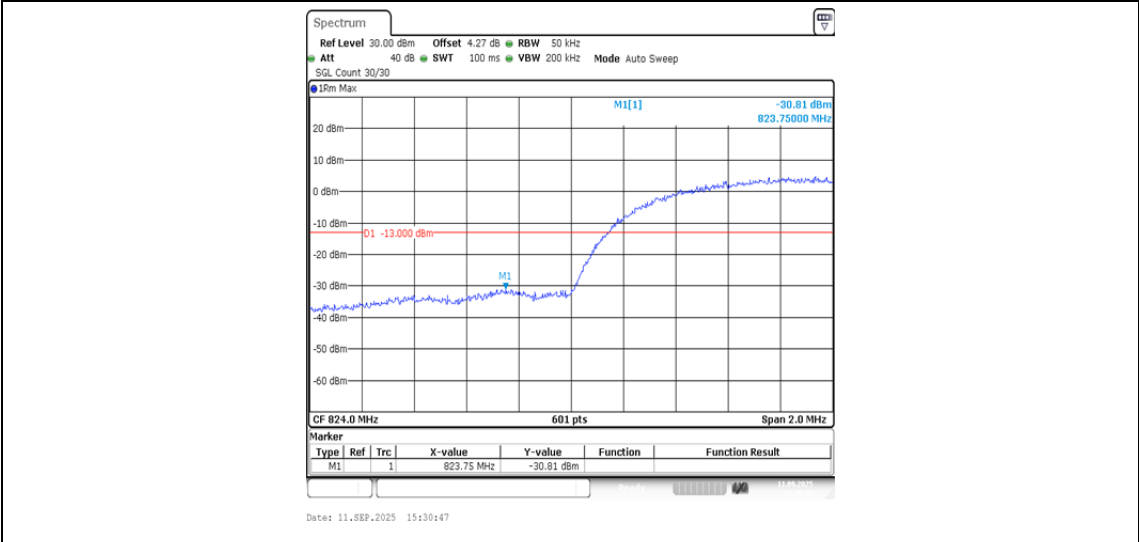
Band5-4233-3-PASS



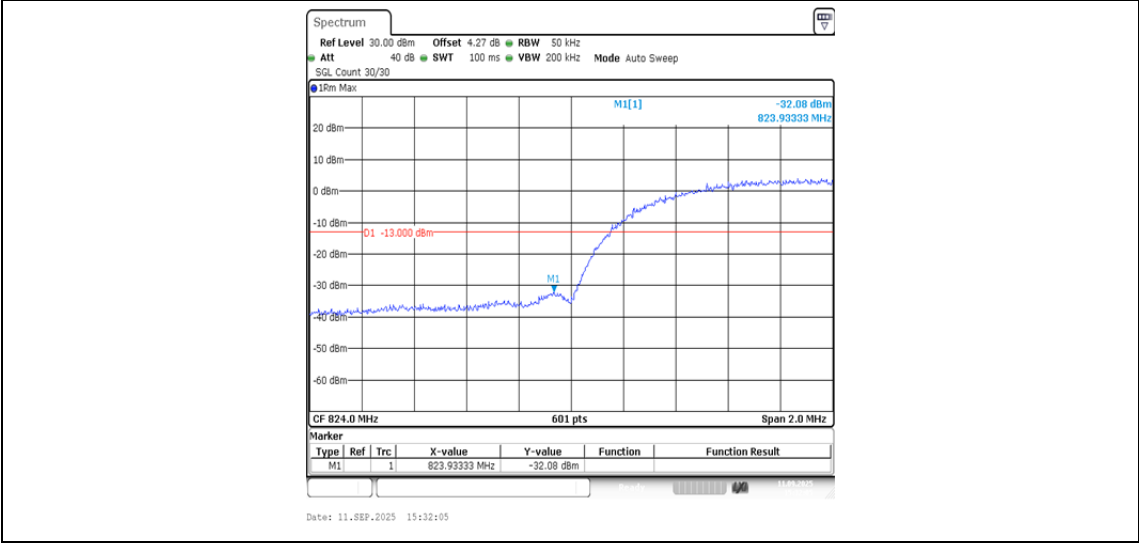
Band5-4233-4-PASS



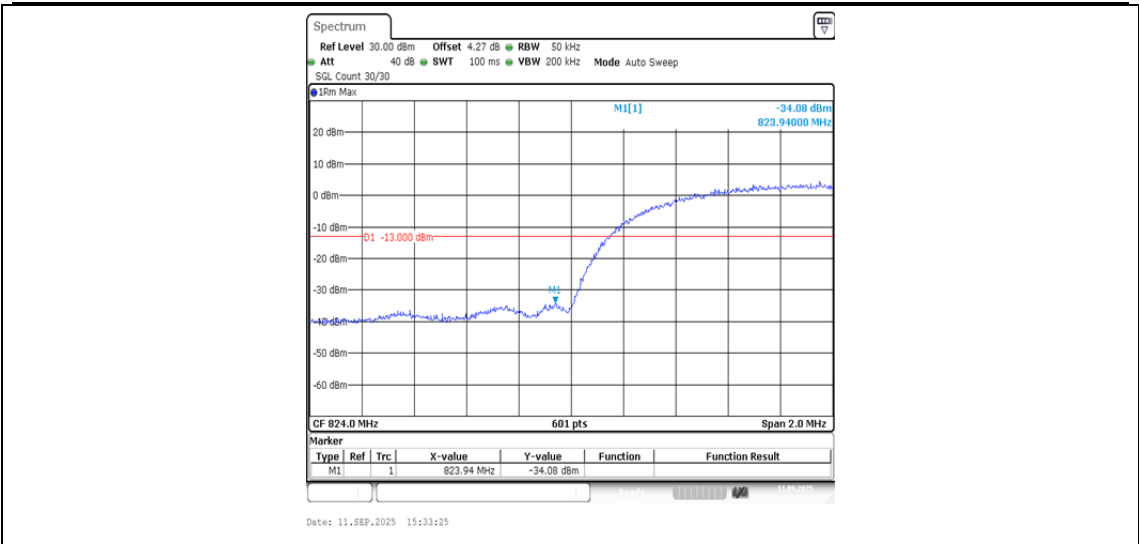
Band5-4132-1-PASS



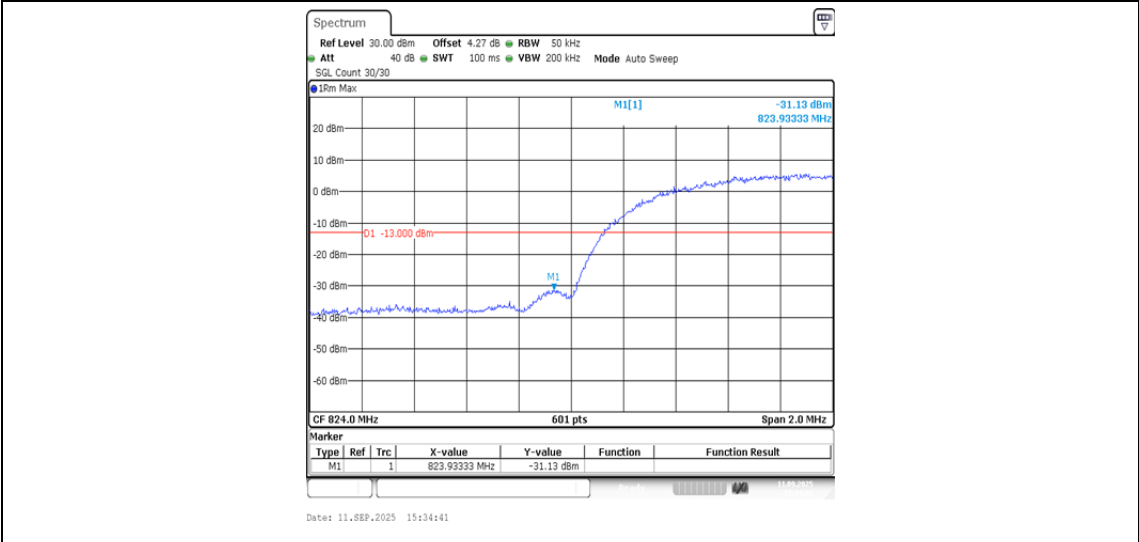
Band5-4132-2-PASS



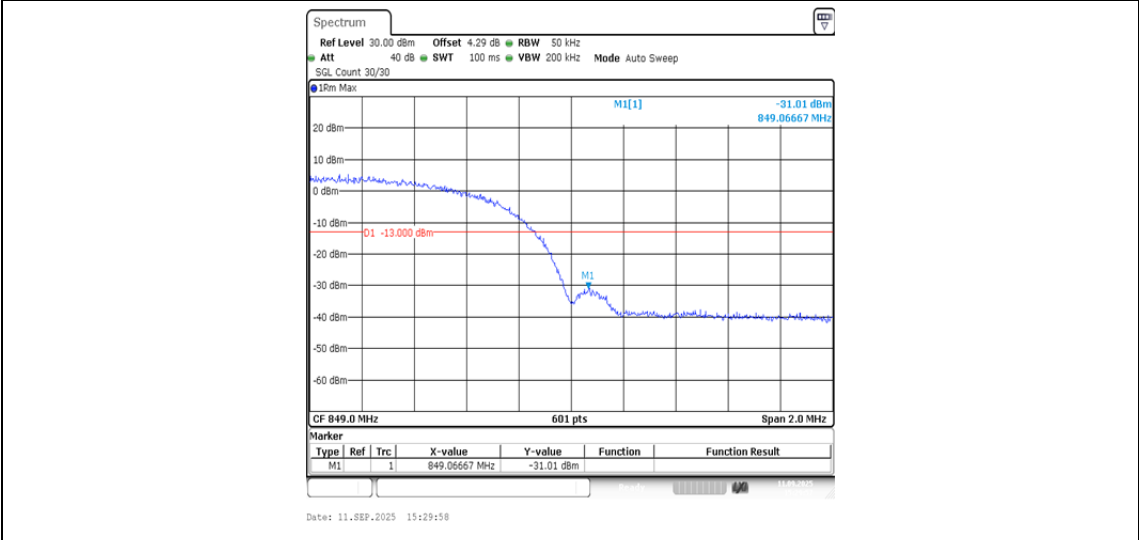
Band5-4132-3-PASS



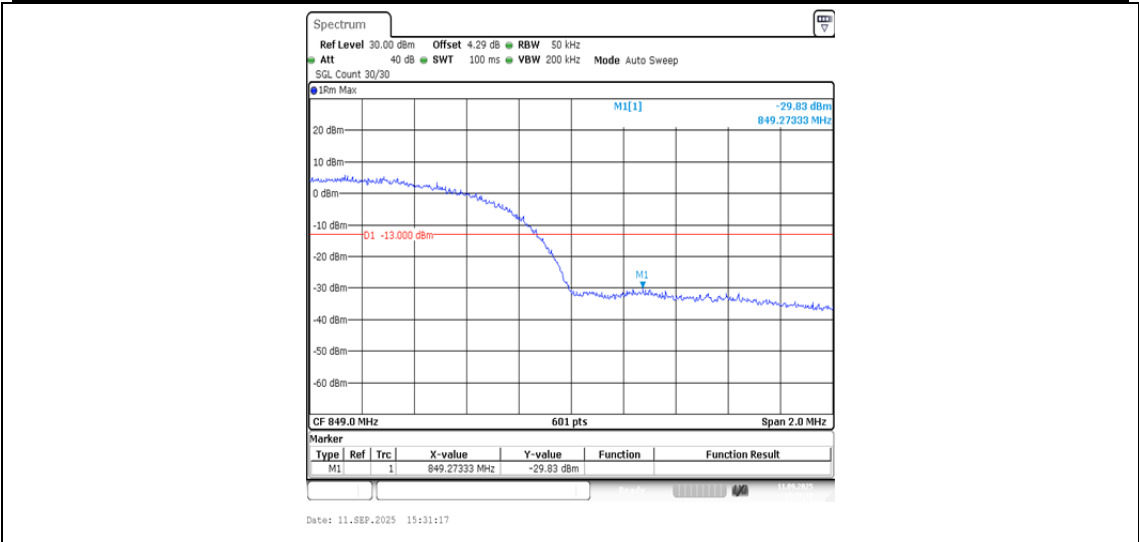
Band5-4132-4-PASS



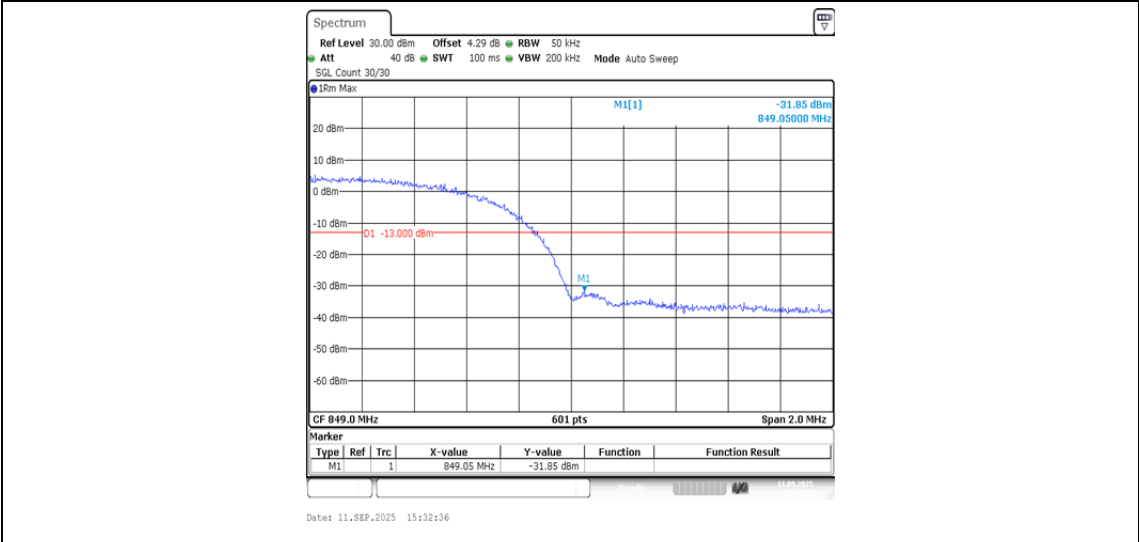
Band5-4132-5-PASS



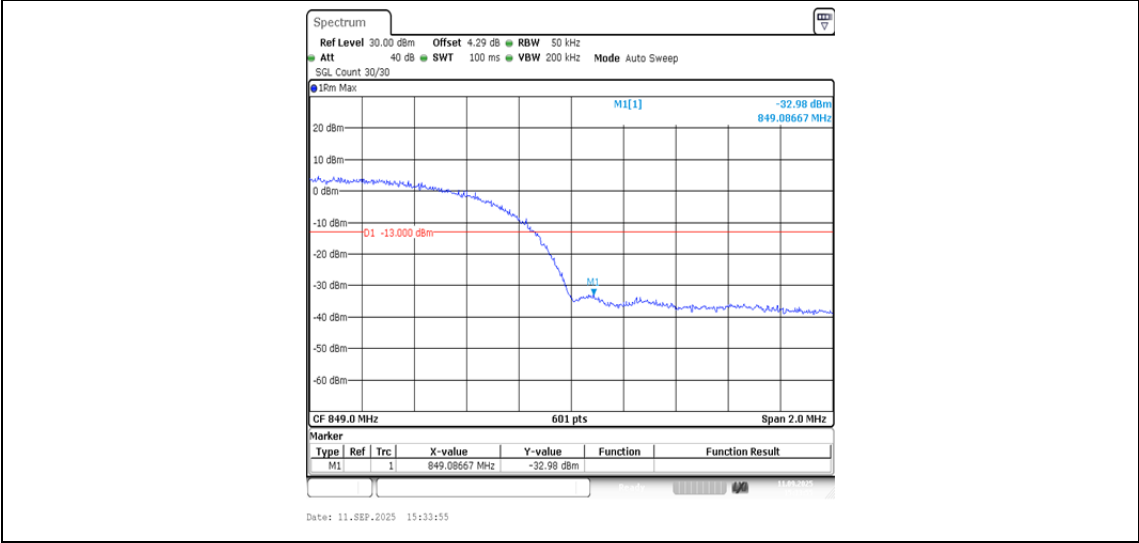
Band5-4233-1-PASS



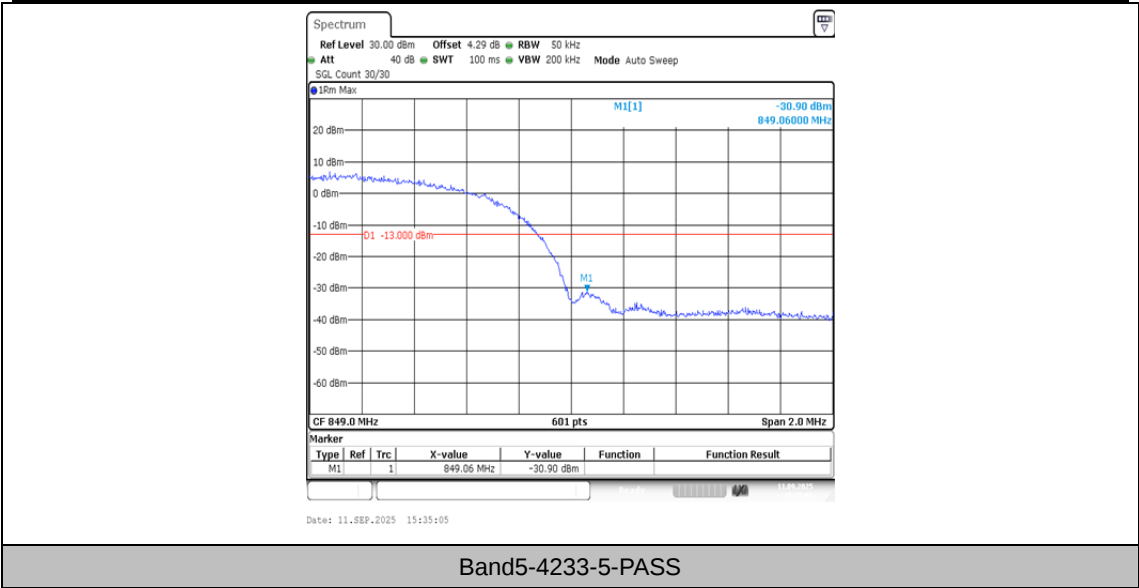
Band5-4233-2-PASS



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	-69.3	-33	PASS
Band5	4132	0.15~30MHz	24.73	-64.26	-23	PASS
Band5	4132	30~1000MHz	962.36	-57.97	-13	PASS
Band5	4132	1000~10000MHz	6561.05	-40.09	-13	PASS
Band5	4182	0.009~0.15MHz	0.01	-70.15	-33	PASS
Band5	4182	0.15~30MHz	26.95	-64.95	-23	PASS
Band5	4182	30~1000MHz	578.15	-58.19	-13	PASS
Band5	4182	1000~10000MHz	6204.21	-39.84	-13	PASS
Band5	4233	0.009~0.15MHz	0.01	-65.66	-33	PASS
Band5	4233	0.15~30MHz	25.23	-64.65	-23	PASS
Band5	4233	30~1000MHz	982.93	-57.83	-13	PASS
Band5	4233	1000~10000MHz	6937.68	-40.1	-13	PASS

Band	Channel	SubTest	Frequency Range (Mhz)	Frequency (dBm)	Result (dBm)	Limit (dBm)	Verdict
Band5	4132	1	0.009~0.15MHz	0.01	-69.64	-33	PASS
Band5	4132	1	0.15~30MHz	22.69	-65.09	-23	PASS
Band5	4132	1	30~1000MHz	956.84	-57.95	-13	PASS
Band5	4132	1	1000~10000MHz	6588.5	-40.09	-13	PASS
Band5	4132	2	0.009~0.15MHz	0.01	-69.23	-33	PASS
Band5	4132	2	0.15~30MHz	22.36	-64.59	-23	PASS
Band5	4132	2	30~1000MHz	966.54	-57.59	-13	PASS
Band5	4132	2	1000~10000MHz	6541.25	-40.06	-13	PASS
Band5	4132	3	0.009~0.15MHz	0.01	-67.31	-33	PASS
Band5	4132	3	0.15~30MHz	26.44	-63.82	-23	PASS
Band5	4132	3	30~1000MHz	928.32	-57.47	-13	PASS
Band5	4132	3	1000~10000MHz	6881.43	-39.53	-13	PASS
Band5	4132	4	0.009~0.15MHz	0.01	-70.03	-33	PASS
Band5	4132	4	0.15~30MHz	25.86	-64.08	-23	PASS
Band5	4132	4	30~1000MHz	972.45	-57.9	-13	PASS
Band5	4132	4	1000~10000MHz	6518.3	-40.18	-13	PASS
Band5	4182	1	0.009~0.15MHz	0.01	-67.48	-33	PASS
Band5	4182	1	0.15~30MHz	26.69	-65.08	-23	PASS
Band5	4182	1	30~1000MHz	965.86	-57.74	-13	PASS
Band5	4182	1	1000~10000MHz	6997.98	-39.87	-13	PASS
Band5	4182	2	0.009~0.15MHz	0.01	-68.49	-33	PASS
Band5	4182	2	0.15~30MHz	27.31	-66.14	-23	PASS

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Band5	4182	2	30~1000MHz	979.15	-57.84	-13	PASS
Band5	4182	2	1000~10000MHz	6930.03	-40.15	-13	PASS
Band5	4182	3	0.009~0.15MHz	0.02	-69.85	-33	PASS
Band5	4182	3	0.15~30MHz	27.6	-65.5	-23	PASS
Band5	4182	3	30~1000MHz	981.47	-57.21	-13	PASS
Band5	4182	3	1000~10000MHz	6888.18	-40.11	-13	PASS
Band5	4182	4	0.009~0.15MHz	0.01	-68.32	-33	PASS
Band5	4182	4	0.15~30MHz	24.61	-64.43	-23	PASS
Band5	4182	4	30~1000MHz	608.41	-57.83	-13	PASS
Band5	4182	4	1000~10000MHz	6940.83	-39.92	-13	PASS
Band5	4233	1	0.009~0.15MHz	0.02	-68.72	-33	PASS
Band5	4233	1	0.15~30MHz	25.86	-66.01	-23	PASS
Band5	4233	1	30~1000MHz	986.81	-58.15	-13	PASS
Band5	4233	1	1000~10000MHz	6810.78	-39.52	-13	PASS
Band5	4233	2	0.009~0.15MHz	0.02	-68.6	-33	PASS
Band5	4233	2	0.15~30MHz	26.43	-64.97	-23	PASS
Band5	4233	2	30~1000MHz	973.91	-57.5	-13	PASS
Band5	4233	2	1000~10000MHz	6464.3	-39.87	-13	PASS
Band5	4233	3	0.009~0.15MHz	0.01	-69.4	-33	PASS
Band5	4233	3	0.15~30MHz	25.56	-64.32	-23	PASS
Band5	4233	3	30~1000MHz	989.52	-58.21	-13	PASS
Band5	4233	3	1000~10000MHz	6516.05	-40.06	-13	PASS
Band5	4233	4	0.009~0.15MHz	0.01	-69.3	-33	PASS
Band5	4233	4	0.15~30MHz	28.43	-65.28	-23	PASS
Band5	4233	4	30~1000MHz	698.04	-57.53	-13	PASS
Band5	4233	4	1000~10000MHz	6853.08	-39.79	-13	PASS

Band	Channel	SubTest	Frequency Range (Mhz)	Frequency (dBm)	Result (dBm)	Limit (dBm)	Verdict
Band5	4132	1	0.009~0.15MHz	0.01	-68.03	-33	PASS
Band5	4132	1	0.15~30MHz	28.77	-65.36	-23	PASS
Band5	4132	1	30~1000MHz	972.26	-57.76	-13	PASS
Band5	4132	1	1000~10000MHz	6819.33	-40.18	-13	PASS
Band5	4132	2	0.009~0.15MHz	0.01	-68.86	-33	PASS
Band5	4132	2	0.15~30MHz	27.41	-65.69	-23	PASS
Band5	4132	2	30~1000MHz	957.9	-57.26	-13	PASS
Band5	4132	2	1000~10000MHz	6499.85	-39.84	-13	PASS
Band5	4132	3	0.009~0.15MHz	0.01	-66.03	-33	PASS
Band5	4132	3	0.15~30MHz	28.68	-65.94	-23	PASS
Band5	4132	3	30~1000MHz	959.94	-58.01	-13	PASS
Band5	4132	3	1000~10000MHz	6504.35	-39.54	-13	PASS

Band5	4132	4	0.009~0.15MHz	0.01	-68.29	-33	PASS
Band5	4132	4	0.15~30MHz	29.61	-64.96	-23	PASS
Band5	4132	4	30~1000MHz	937.14	-57.75	-13	PASS
Band5	4132	4	1000~10000MHz	6832.83	-39.88	-13	PASS
Band5	4132	5	0.009~0.15MHz	0.01	-69.18	-33	PASS
Band5	4132	5	0.15~30MHz	25.01	-65.85	-23	PASS
Band5	4132	5	30~1000MHz	937.05	-57.55	-13	PASS
Band5	4132	5	1000~10000MHz	6909.78	-39.85	-13	PASS
Band5	4182	1	0.009~0.15MHz	0.02	-64.38	-33	PASS
Band5	4182	1	0.15~30MHz	22.24	-65.72	-23	PASS
Band5	4182	1	30~1000MHz	985.94	-57.21	-13	PASS
Band5	4182	1	1000~10000MHz	6528.2	-40	-13	PASS
Band5	4182	2	0.009~0.15MHz	0.02	-70	-33	PASS
Band5	4182	2	0.15~30MHz	28.22	-65.94	-23	PASS
Band5	4182	2	30~1000MHz	969.64	-57.86	-13	PASS
Band5	4182	2	1000~10000MHz	6554.75	-39.99	-13	PASS
Band5	4182	3	0.009~0.15MHz	0.01	-68.97	-33	PASS
Band5	4182	3	0.15~30MHz	27.87	-65.45	-23	PASS
Band5	4182	3	30~1000MHz	944.23	-57.46	-13	PASS
Band5	4182	3	1000~10000MHz	6589.4	-40.1	-13	PASS
Band5	4182	4	0.009~0.15MHz	0.01	-66.41	-33	PASS
Band5	4182	4	0.15~30MHz	28.77	-65.43	-23	PASS
Band5	4182	4	30~1000MHz	962.46	-57.96	-13	PASS
Band5	4182	4	1000~10000MHz	6862.98	-39.74	-13	PASS
Band5	4182	5	0.009~0.15MHz	0.01	-69.62	-33	PASS
Band5	4182	5	0.15~30MHz	23.82	-64.77	-23	PASS
Band5	4182	5	30~1000MHz	952.57	-57.33	-13	PASS
Band5	4182	5	1000~10000MHz	6497.15	-39.78	-13	PASS
Band5	4233	1	0.009~0.15MHz	0.01	-67.82	-33	PASS
Band5	4233	1	0.15~30MHz	28.78	-65.83	-23	PASS
Band5	4233	1	30~1000MHz	954.12	-57.88	-13	PASS
Band5	4233	1	1000~10000MHz	6606.94	-39.93	-13	PASS
Band5	4233	2	0.009~0.15MHz	0.01	-65.23	-33	PASS
Band5	4233	2	0.15~30MHz	26.73	-64.69	-23	PASS
Band5	4233	2	30~1000MHz	955.48	-57.72	-13	PASS
Band5	4233	2	1000~10000MHz	6870.63	-39.94	-13	PASS
Band5	4233	3	0.009~0.15MHz	0.01	-68.4	-33	PASS
Band5	4233	3	0.15~30MHz	29.35	-64.59	-23	PASS
Band5	4233	3	30~1000MHz	981.47	-57.34	-13	PASS
Band5	4233	3	1000~10000MHz	6938.58	-39.94	-13	PASS
Band5	4233	4	0.009~0.15MHz	0.01	-67.82	-33	PASS
Band5	4233	4	0.15~30MHz	25.34	-65.18	-23	PASS

Band5	4233	4	30~1000MHz	982.73	-57.67	-13	PASS
Band5	4233	4	1000~10000MHz	6867.93	-39.88	-13	PASS
Band5	4233	5	0.009~0.15MHz	0.01	-66.19	-33	PASS
Band5	4233	5	0.15~30MHz	23.5	-65.13	-23	PASS
Band5	4233	5	30~1000MHz	714.92	-57.92	-13	PASS
Band5	4233	5	1000~10000MHz	6799.54	-40	-13	PASS

Test Graphs

