

Appendix for WCDMA Band 5

Product Name: Smart Phone

Model No: G96

AppendixA: Average Power Output Data

Test Result

Band	Channel	Power(dBm)	Limit(dBm)	Verdict
Band5	4132	23.13	38.45	PASS
Band5	4182	22.79	38.45	PASS
Band5	4233	22.86	38.45	PASS

Band	Channel	Power(dBm)	Limit(dBm)	Verdict
Band5	4132	22.13	38.5	PASS
Band5	4182	21.75	38.5	PASS
Band5	4233	21.82	38.5	PASS

Band	Channel	Power(dBm)	Limit(dBm)	Verdict
Band5	4132	20.14	38.5	PASS
Band5	4182	19.73	38.5	PASS
Band5	4233	19.83	38.5	PASS

AppendixB:Peak-to-Average Ratio**Test Result**

Band	Channel	Peak-to-Average Ratio(dB)	Limit(dB)	Verdict
Band5	4132	3.16	13	PASS
Band5	4182	3.28	13	PASS
Band5	4233	3.22	13	PASS

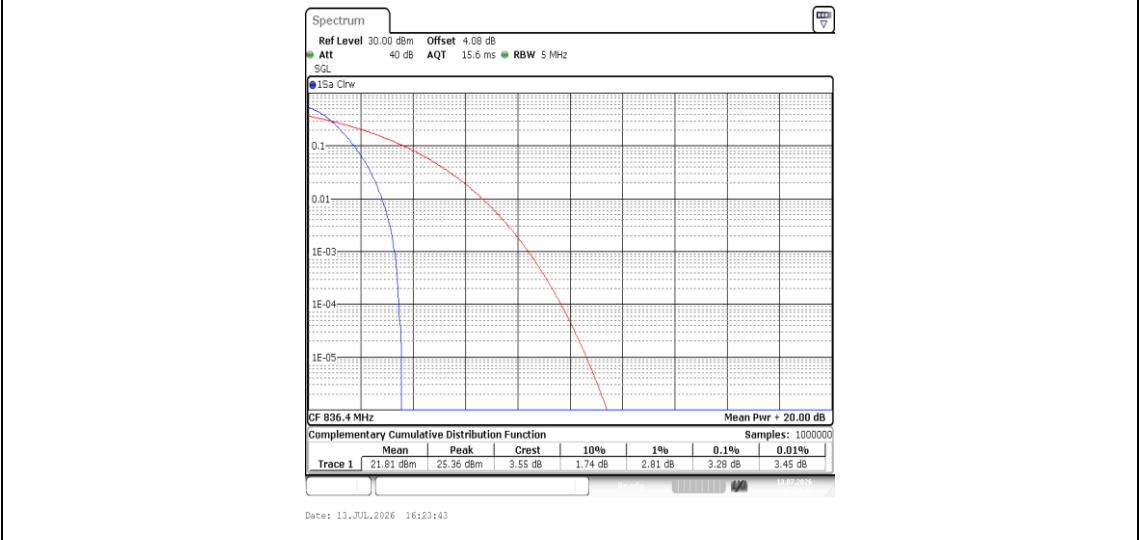
Band	Channel	Peak-to-Average Ratio(dB)	Limit(dB)	Verdict
Band5	4132	3.33	13	PASS
Band5	4182	3.36	13	PASS
Band5	4233	3.36	13	PASS

Band	Channel	Peak-to-Average Ratio(dB)	Limit(dB)	Verdict
Band5	4132	4.78	13	PASS
Band5	4182	4.78	13	PASS
Band5	4233	4.81	13	PASS

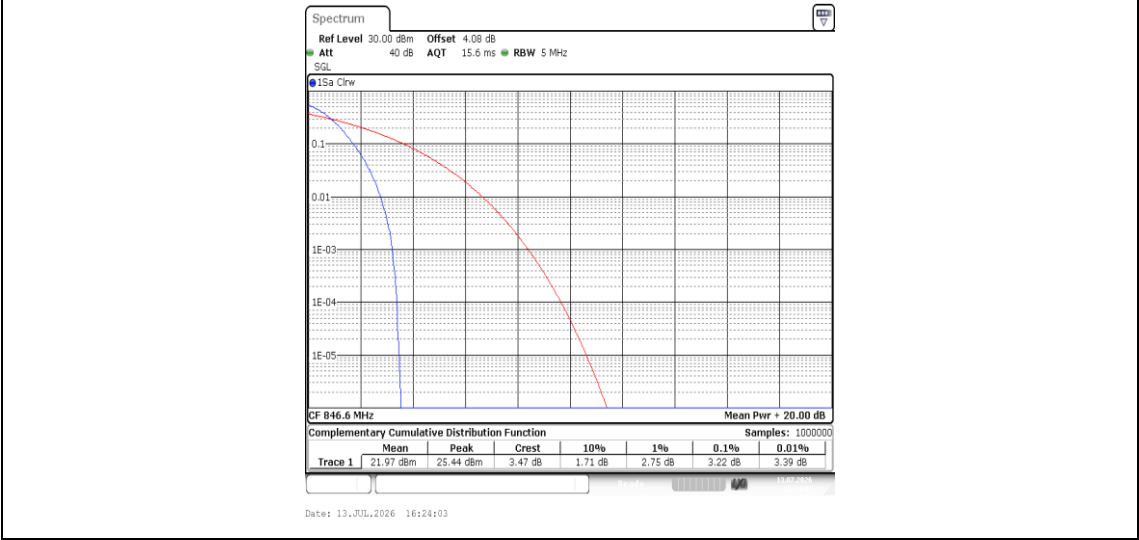
Test Graphs



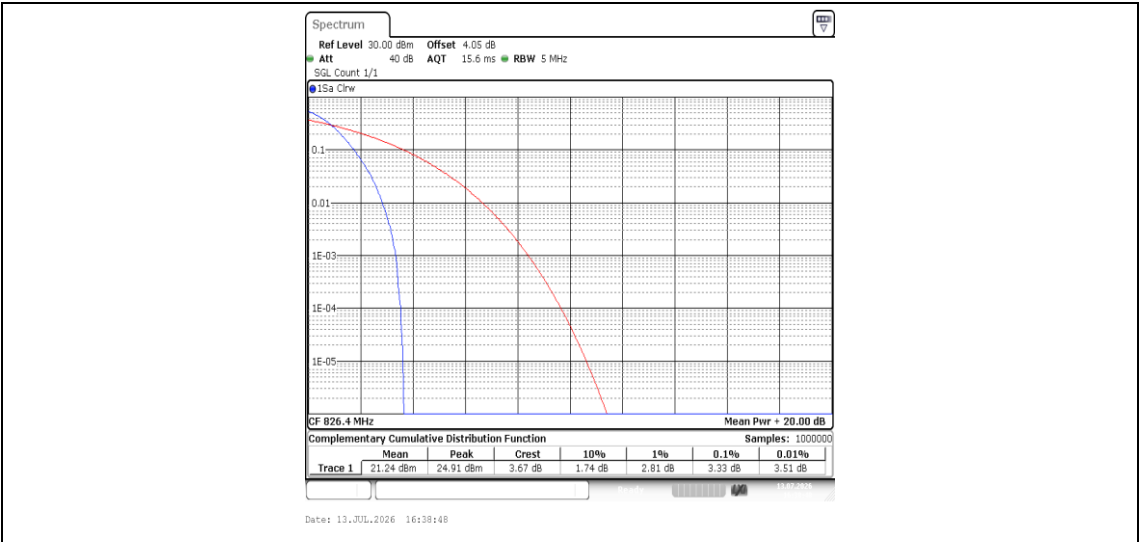
Band5-4132-PASS



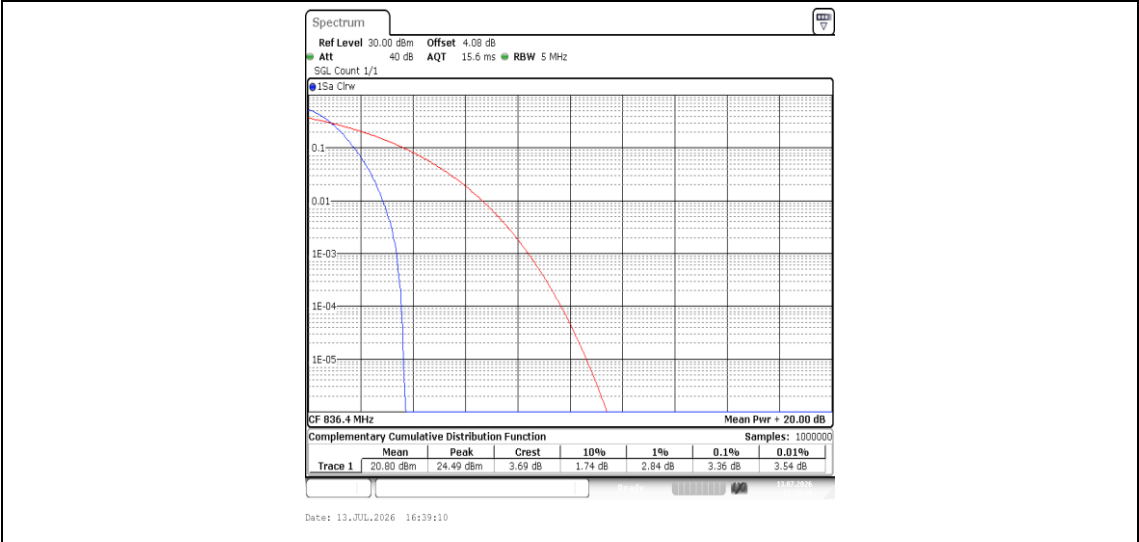
Band5-4182-PASS



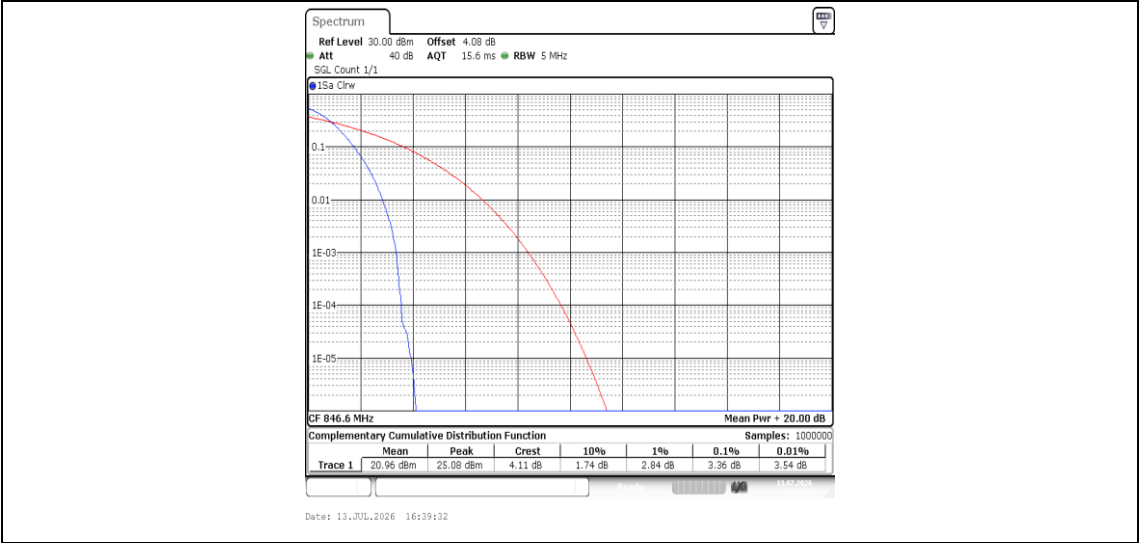
Band5-4233-PASS



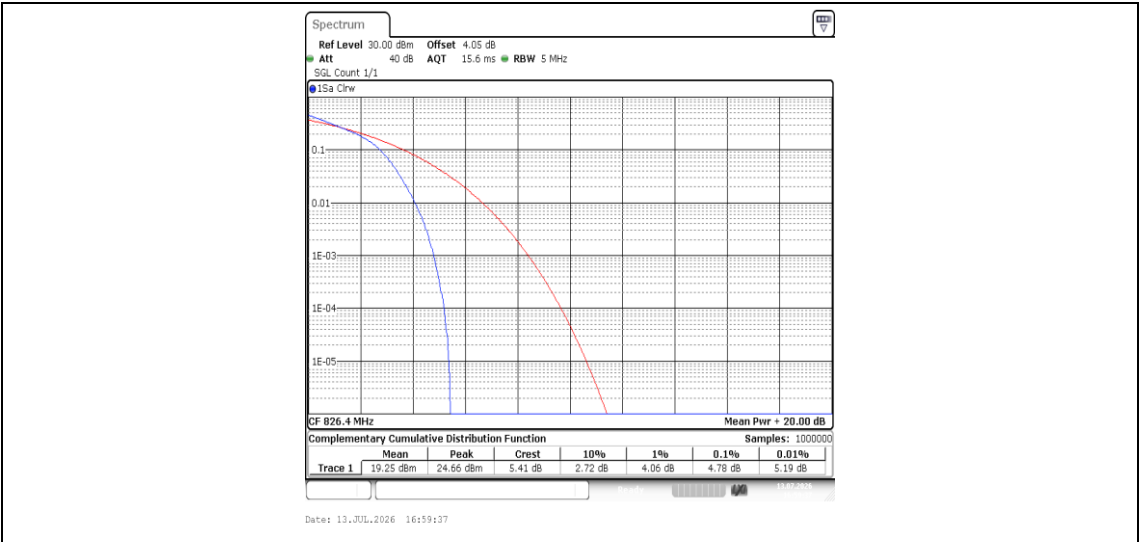
Band5-4132-PASS



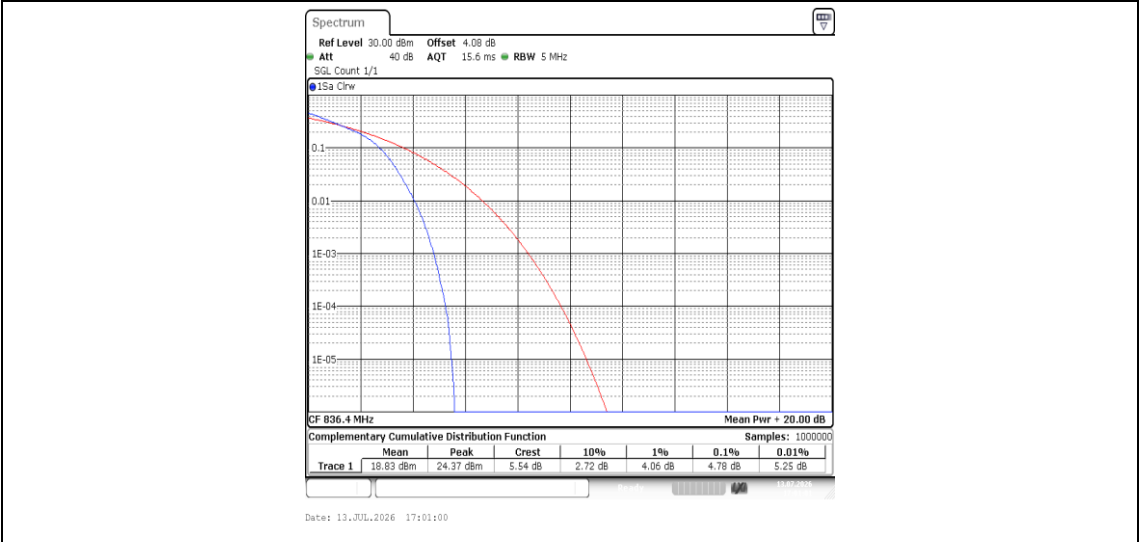
Band5-4182-PASS



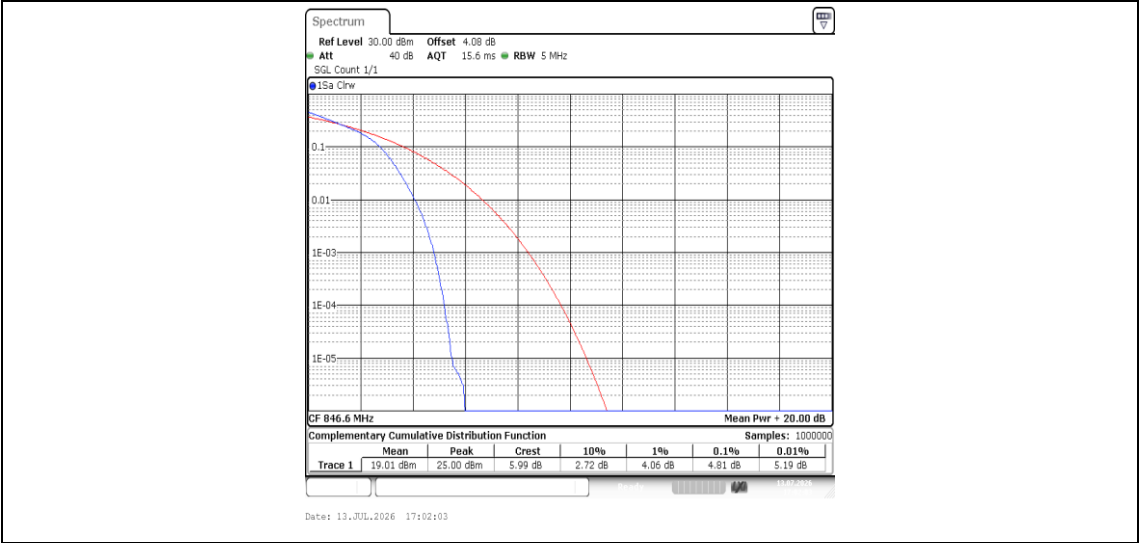
Band5-4233-PASS



Band5-4132-PASS



Band5-4182-PASS



Band5-4233-PASS

AppendixC:26dB Bandwidth andOccupied Bandwidth

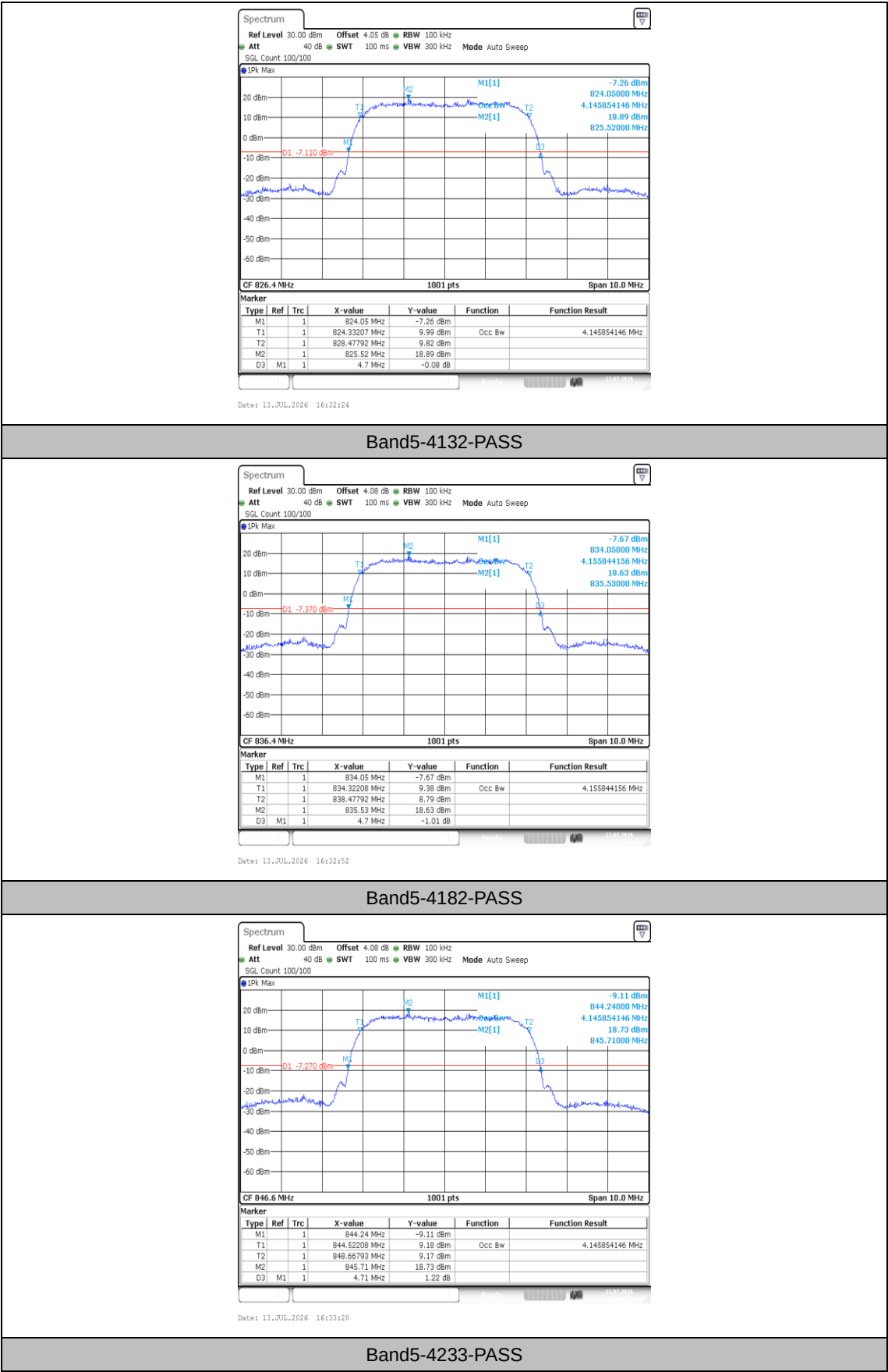
Test Result

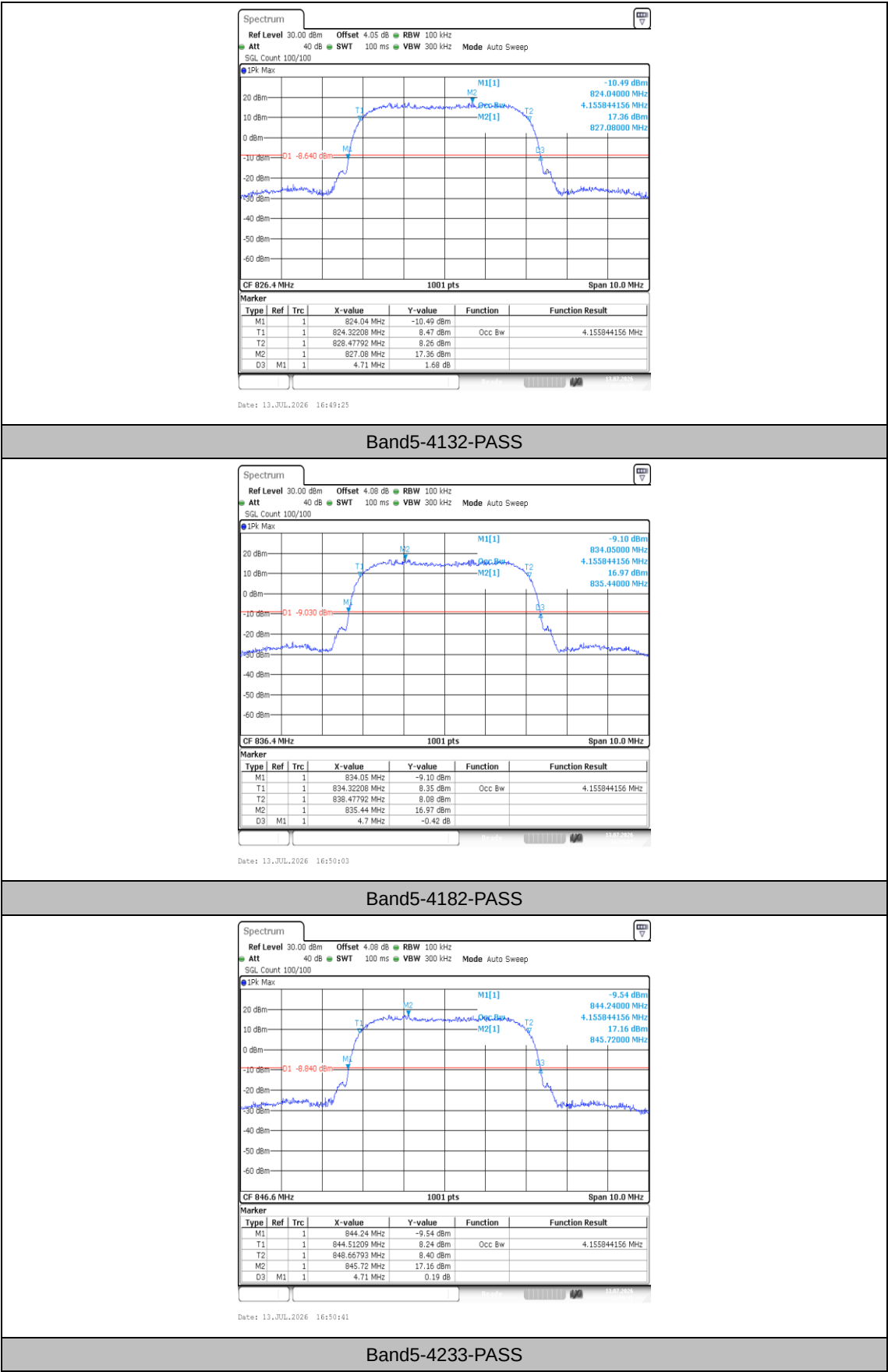
Band	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit(MHz)	Verdict
Band5	4132	4.1459	4.70	---	PASS
Band5	4182	4.1558	4.70	---	PASS
Band5	4233	4.1459	4.71	---	PASS

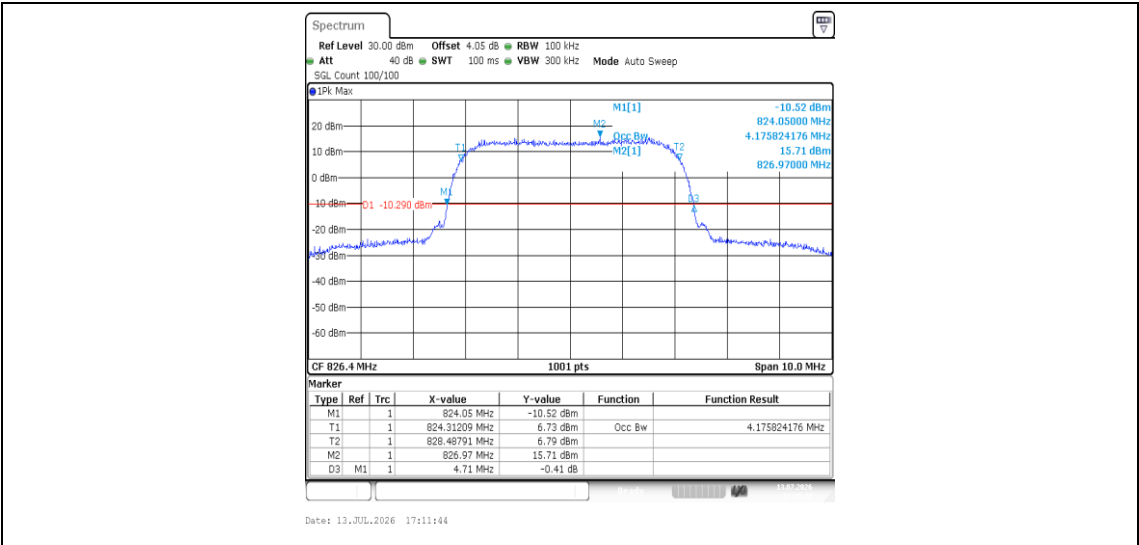
Band	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit(MHz)	Verdict
Band5	4132	4.1558	4.71	---	PASS
Band5	4182	4.1558	4.70	---	PASS
Band5	4233	4.1558	4.71	---	PASS

Band	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit(MHz)	Verdict
Band5	4132	4.1758	4.71	---	PASS
Band5	4182	4.1958	4.72	---	PASS
Band5	4233	4.1758	4.72	---	PASS

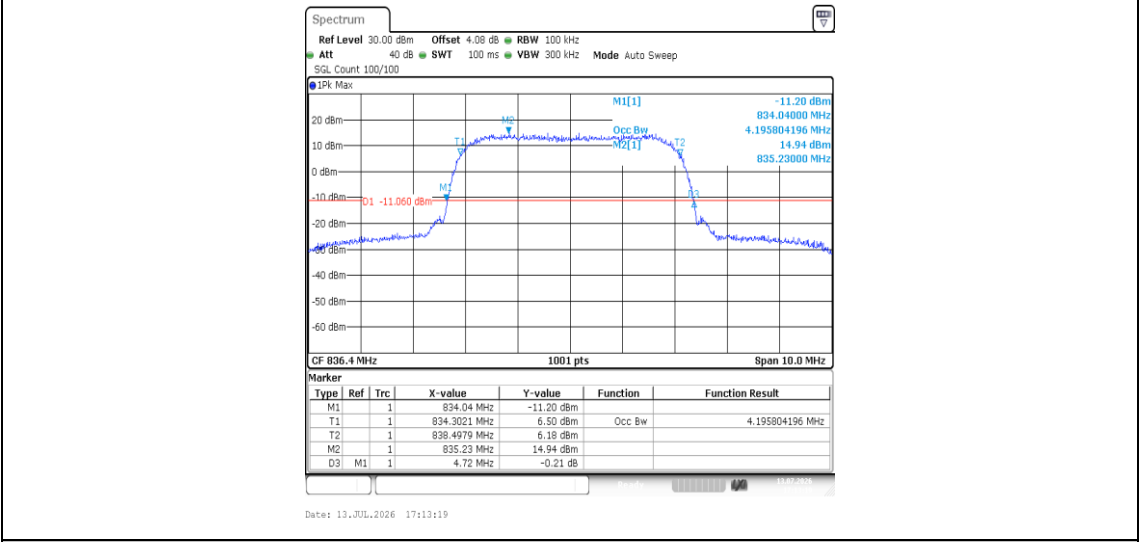
Test Graphs



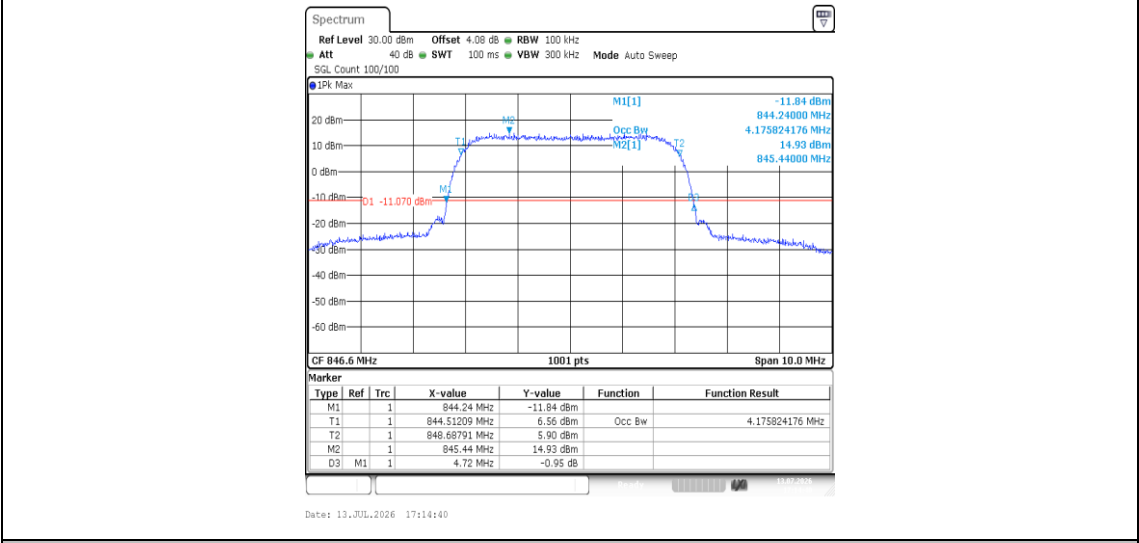




Band5-4132-PASS



Band5-4182-PASS



Band5-4233-PASS

AppendixD:Band Edge

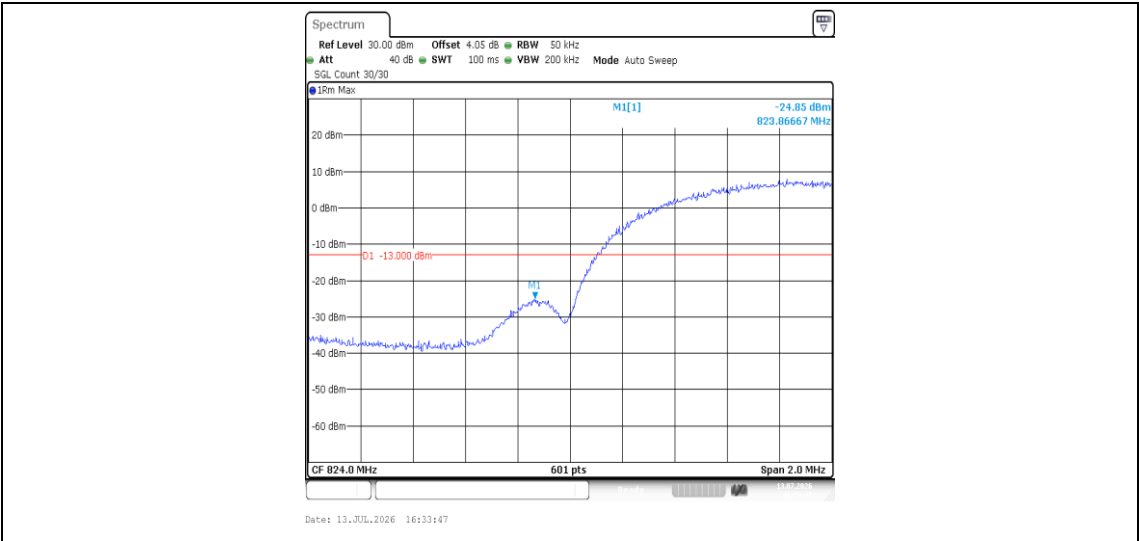
Test Result

Band	Channel	Frequency (MHz)	Result (dBm)	Limit(dBm)	Verdict
Band5	4132	823.87	-24.85	-13	PASS
Band5	4233	849.11	-26.00	-13	PASS

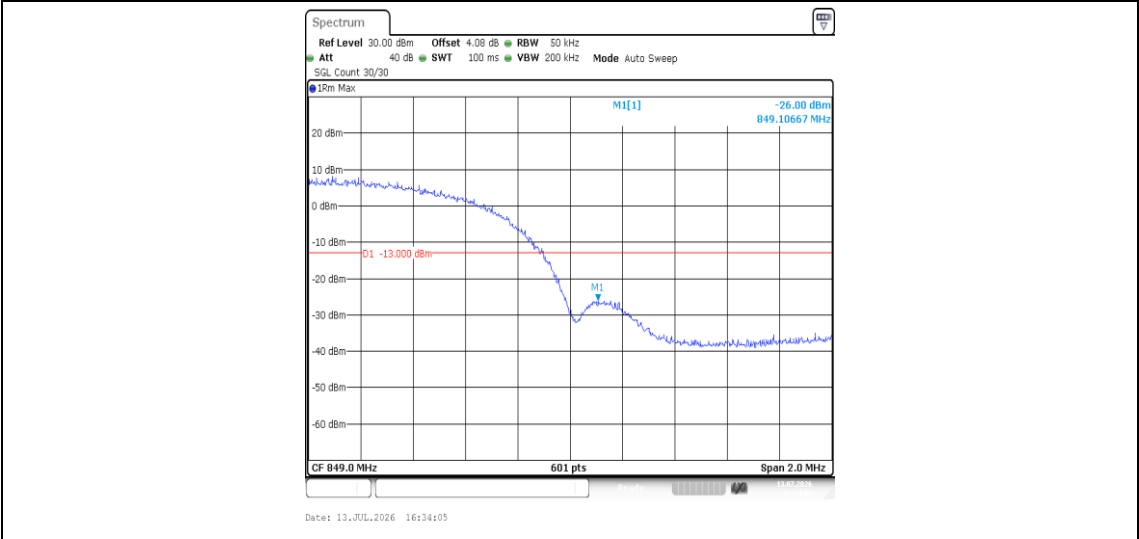
Band	Channel	Frequency (MHz)	Result (dBm)	Limit(dBm)	Verdict
Band5	4132	823.91	-24.97	-13	PASS
Band5	4233	849.12	-25.88	-13	PASS

Band	Channel	Frequency (MHz)	Result (dBm)	Limit(dBm)	Verdict
Band5	4132	823.91	-26.86	-13	PASS
Band5	4233	849.11	-27.06	-13	PASS

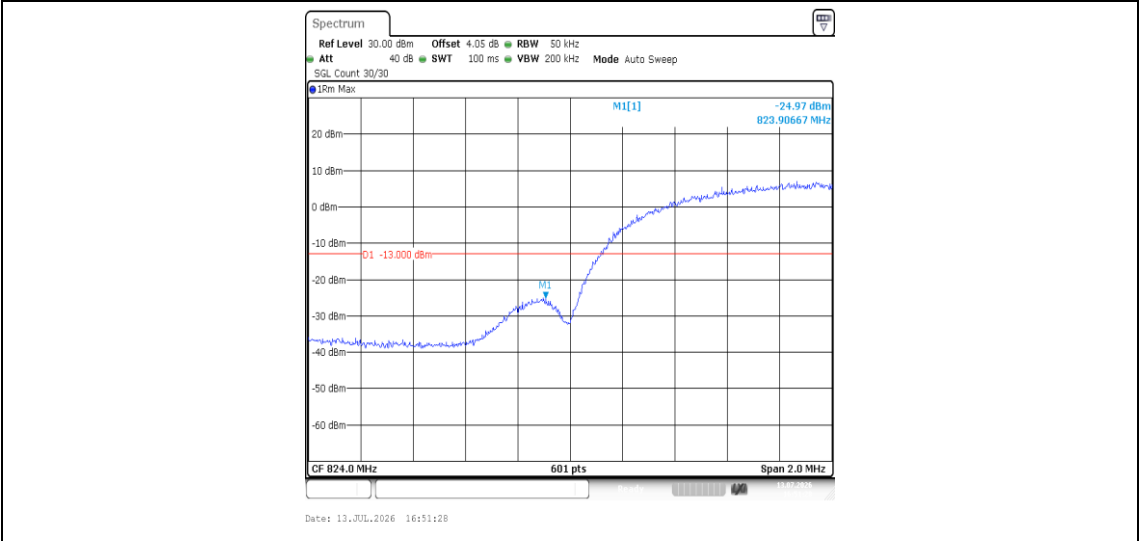
Test Graphs



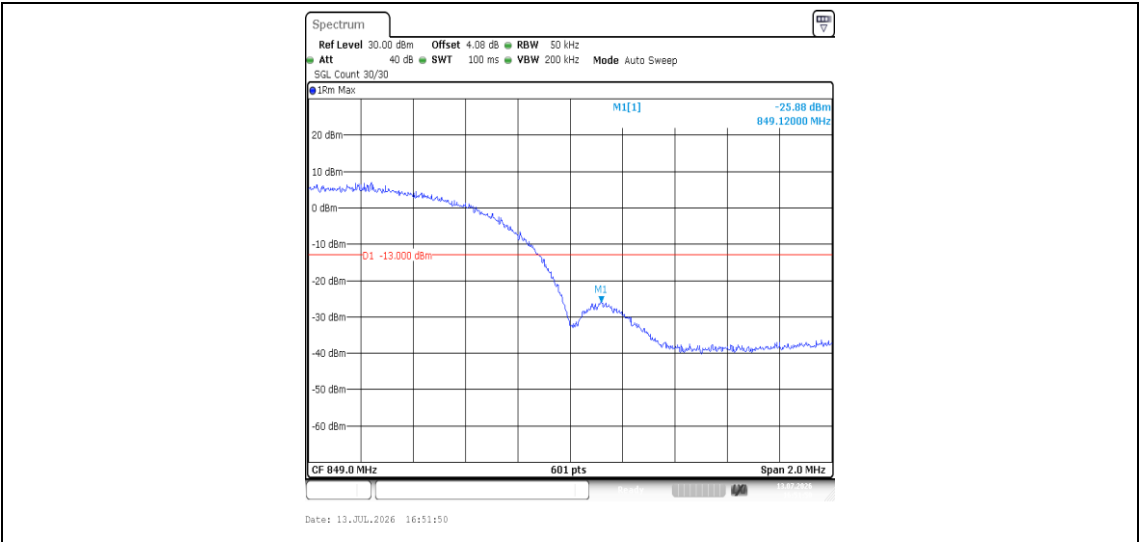
Band5-4132-PASS



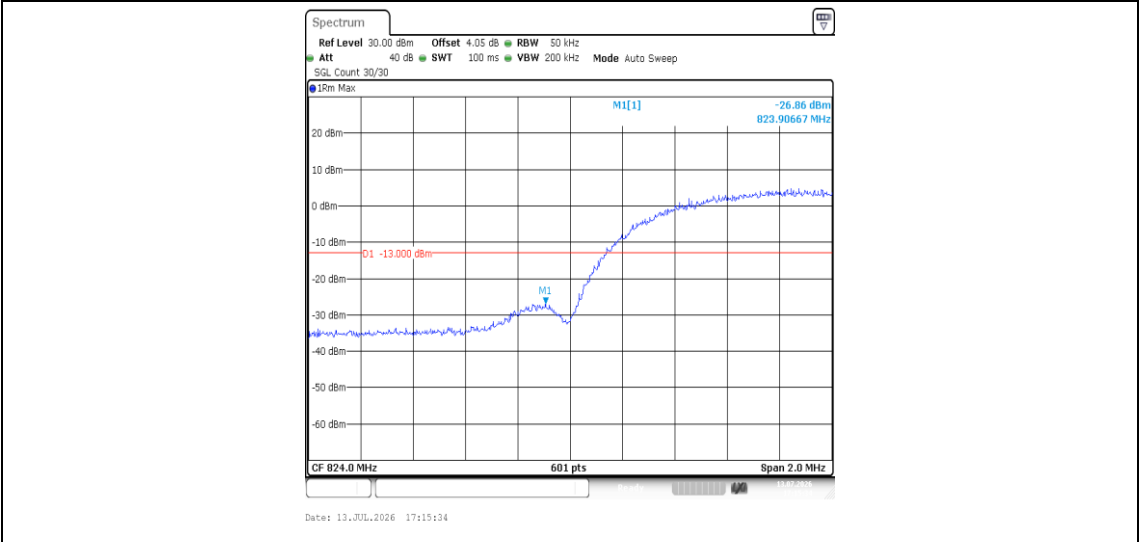
Band5-4233-PASS



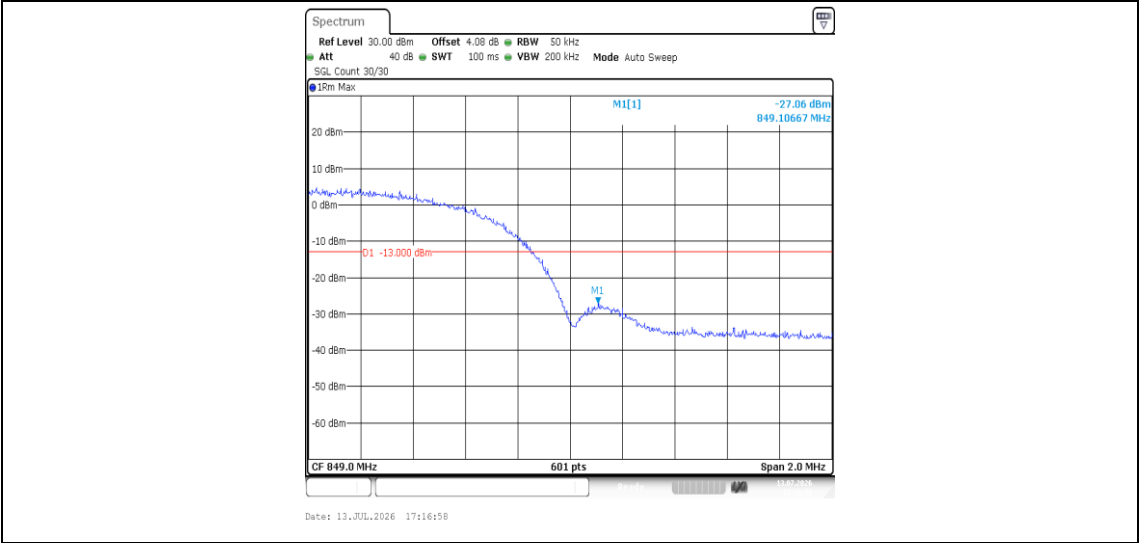
Band5-4132-PASS



Band5-4233-PASS



Band5-4132-PASS



Band5-4233-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	-68.98	-33	PASS
Band5	4132	0.15~30MHz	27.32	-63.6	-23	PASS
Band5	4132	30~1000MHz	960.72	-58.15	-13	PASS
Band5	4132	1000~10000MHz	6567.35	-39.97	-13	PASS
Band5	4182	0.009~0.15MHz	0.02	-68.99	-33	PASS
Band5	4182	0.15~30MHz	28.51	-65.56	-23	PASS
Band5	4182	30~1000MHz	717.83	-57.59	-13	PASS
Band5	4182	1000~10000MHz	6560.6	-39.93	-13	PASS
Band5	4233	0.009~0.15MHz	0.01	-69.73	-33	PASS
Band5	4233	0.15~30MHz	24.78	-66.01	-23	PASS
Band5	4233	30~1000MHz	969.25	-58.18	-13	PASS
Band5	4233	1000~10000MHz	6555.2	-40.1	-13	PASS

Band	Channel	Frequency Range (Mhz)	Frequency (dBm)	Result (dBm)	Limit (dBm)	Verdict
Band5	4132	0.009~0.15MHz	0.01	-69.19	-33	PASS
Band5	4132	0.15~30MHz	21.85	-64.54	-23	PASS
Band5	4132	30~1000MHz	713.75	-58.38	-13	PASS
Band5	4132	1000~10000MHz	6982.68	-40.04	-13	PASS
Band5	4182	0.009~0.15MHz	0.01	-69.76	-33	PASS
Band5	4182	0.15~30MHz	25.93	-65.35	-23	PASS
Band5	4182	30~1000MHz	955.38	-58	-13	PASS
Band5	4182	1000~10000MHz	6543.05	-39.92	-13	PASS
Band5	4233	0.009~0.15MHz	0.01	-69.32	-33	PASS
Band5	4233	0.15~30MHz	27.88	-65.54	-23	PASS
Band5	4233	30~1000MHz	983.8	-57.89	-13	PASS
Band5	4233	1000~10000MHz	6946.23	-39.95	-13	PASS

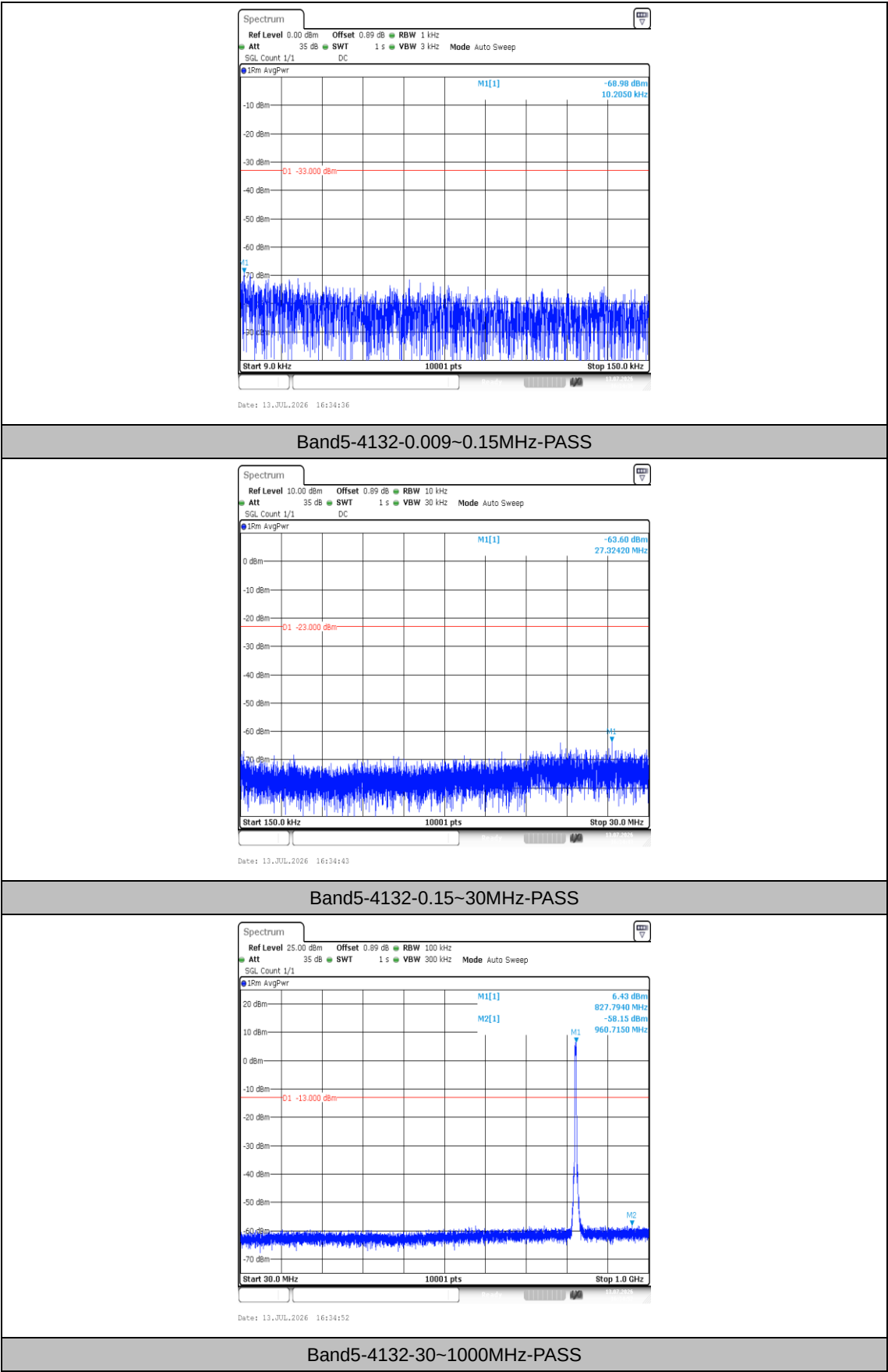
Band	Channel	Frequency Range (Mhz)	Frequency (dBm)	Result (dBm)	Limit (dBm)	Verdict
Band5	4132	0.009~0.15MHz	0.01	-70.59	-33	PASS
Band5	4132	0.15~30MHz	21.4	-65.33	-23	PASS
Band5	4132	30~1000MHz	943.35	-57.88	-13	PASS
Band5	4132	1000~10000MHz	6888.18	-39.64	-13	PASS
Band5	4182	0.009~0.15MHz	0.01	-70.56	-33	PASS

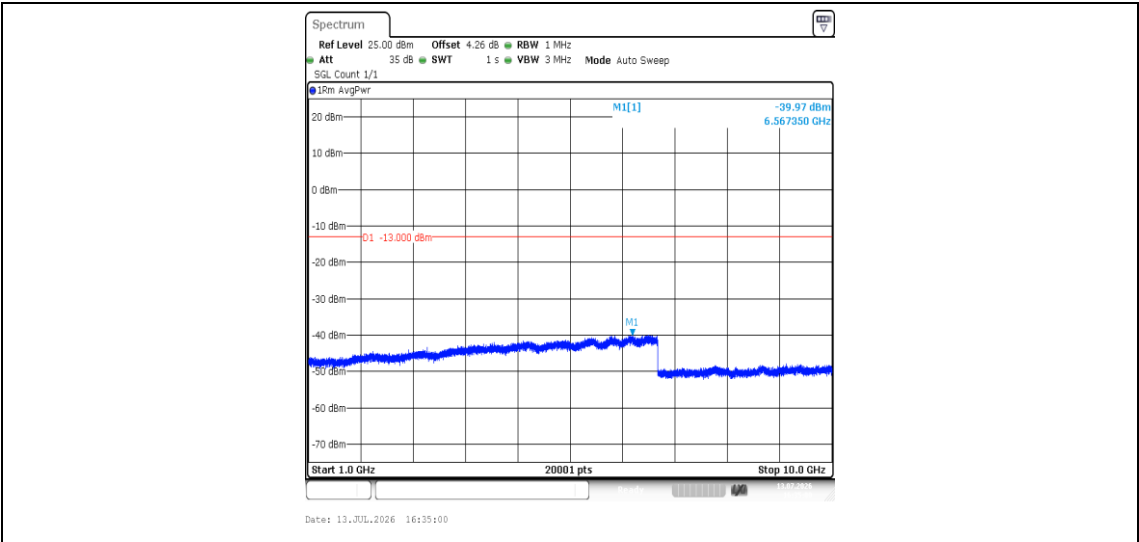
Waltek Testing Group (Shenzhen) Co., Ltd.

[Http://www.waltek.com.cn](http://www.waltek.com.cn)

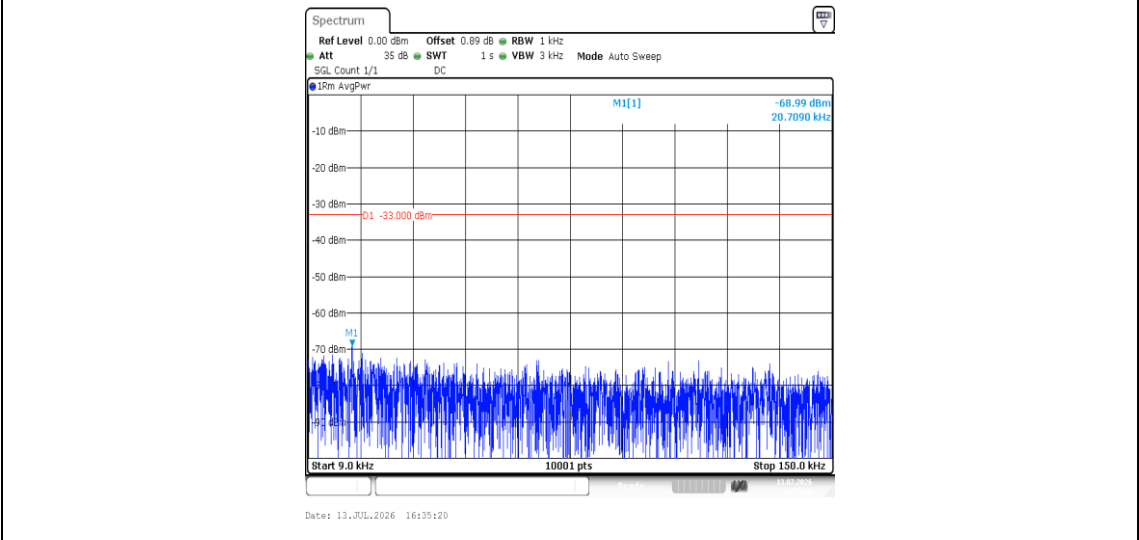
Band5	4182	0.15~30MHz	23.22	-65.08	-23	PASS
Band5	4182	30~1000MHz	966.05	-58.32	-13	PASS
Band5	4182	1000~10000MHz	6893.13	-39.82	-13	PASS
Band5	4233	0.009~0.15MHz	0.01	-70.92	-33	PASS
Band5	4233	0.15~30MHz	25.75	-65.43	-23	PASS
Band5	4233	30~1000MHz	998.25	-58.27	-13	PASS
Band5	4233	1000~10000MHz	6858.48	-39.97	-13	PASS

Test Graphs

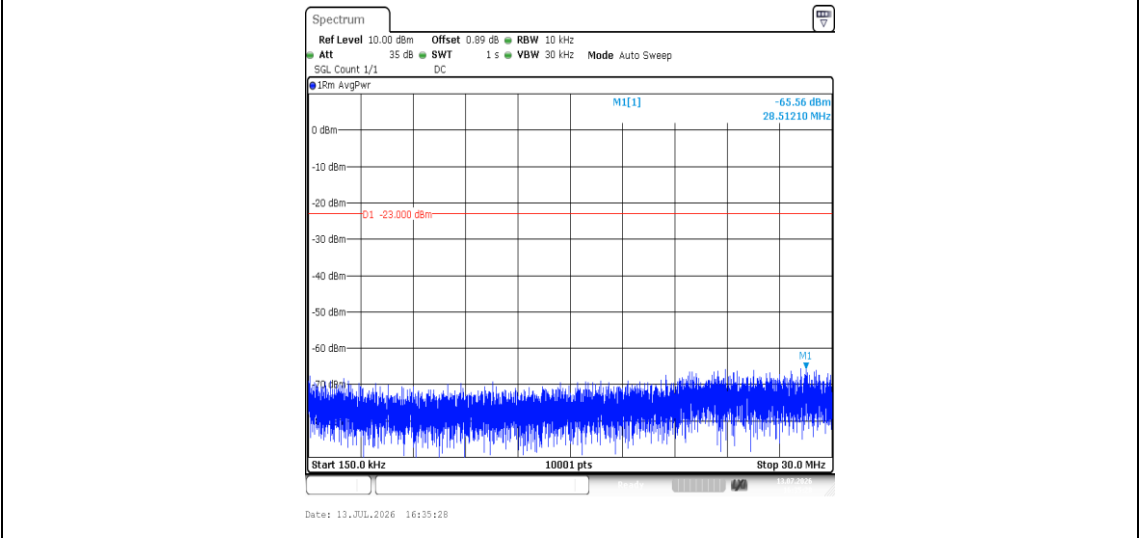




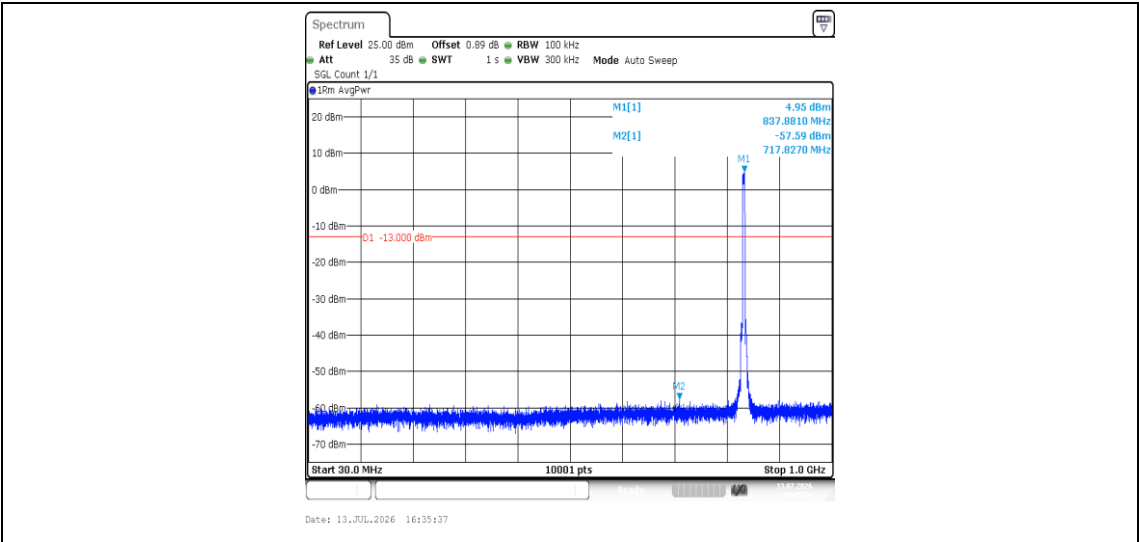
Band5-4132-1000~10000MHz-PASS



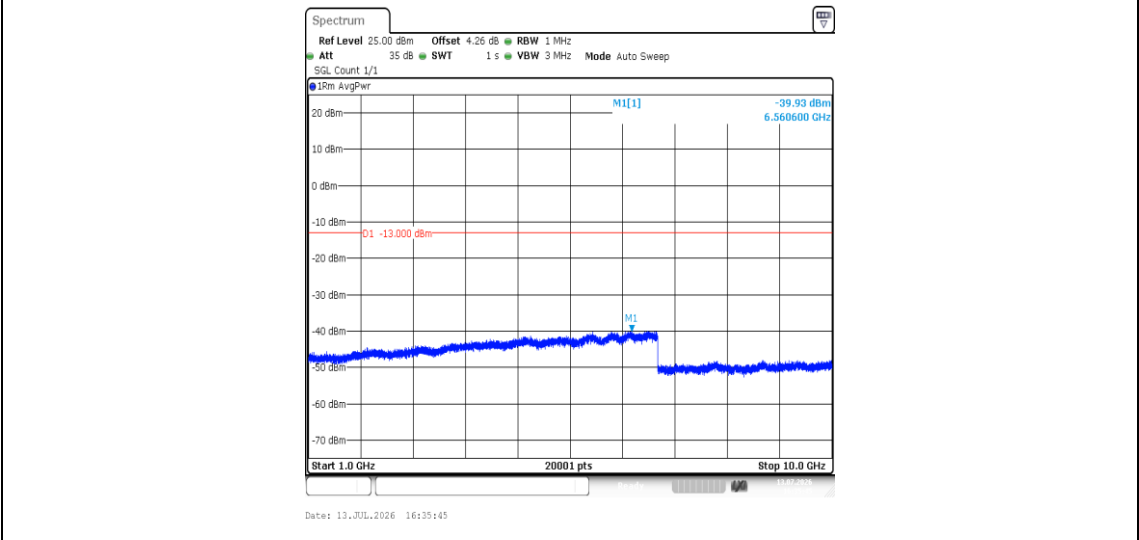
Band5-4182-0.009~0.15MHz-PASS



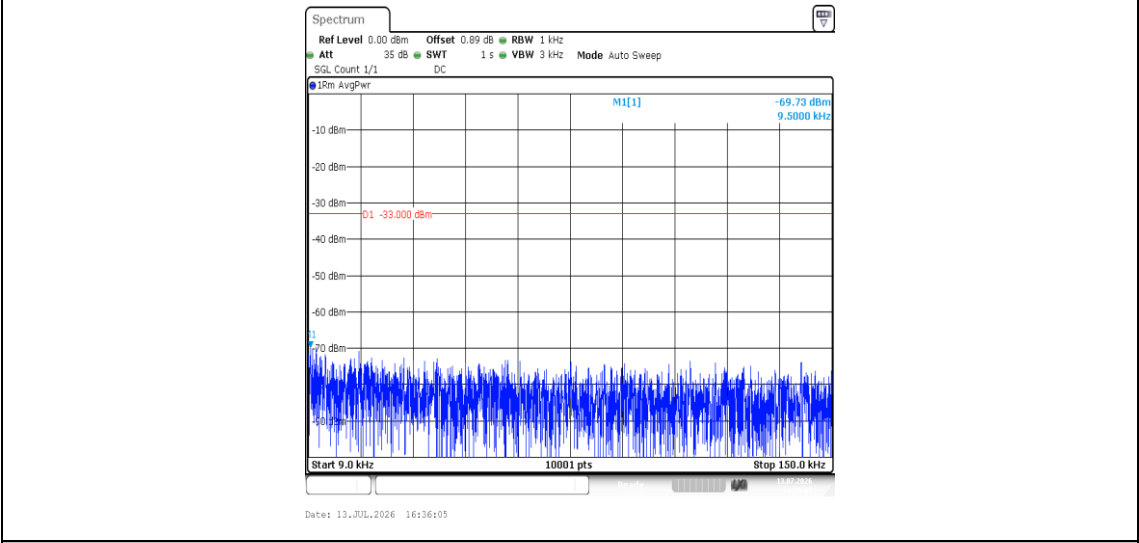
Band5-4182-0.15~30MHz-PASS



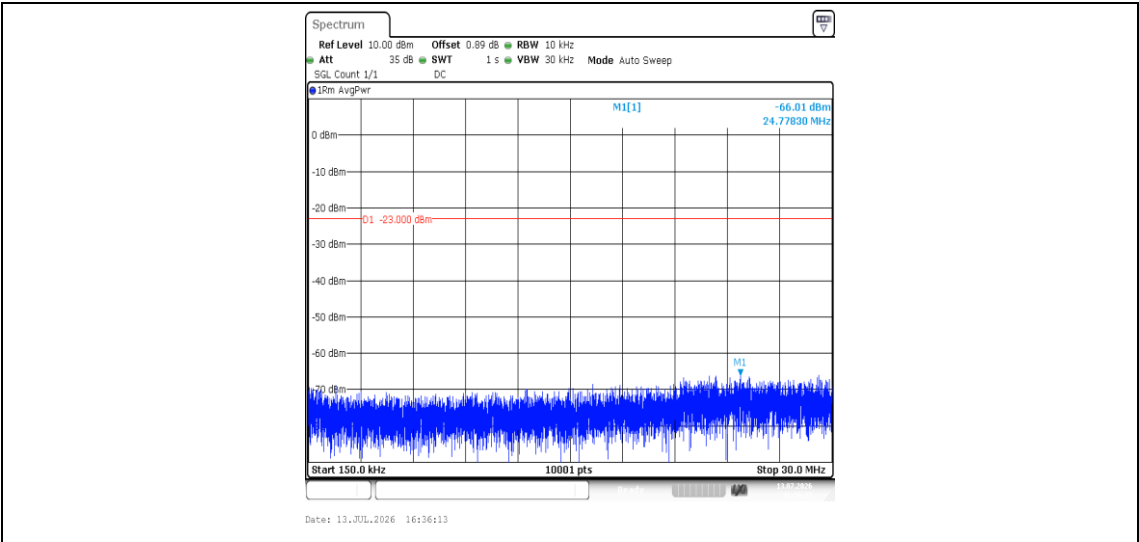
Band5-4182-30~1000MHz-PASS



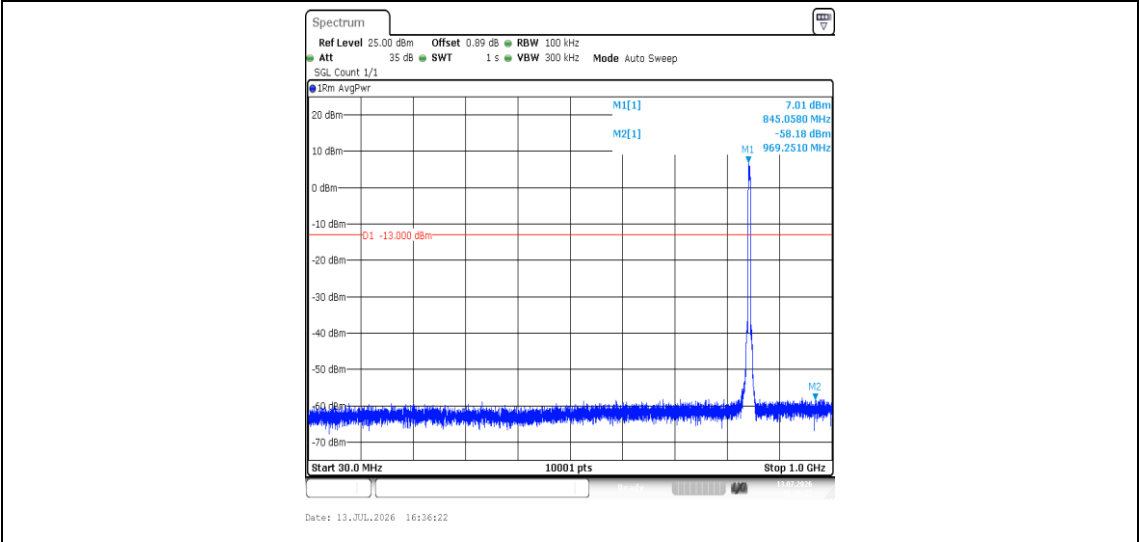
Band5-4182-1000~10000MHz-PASS



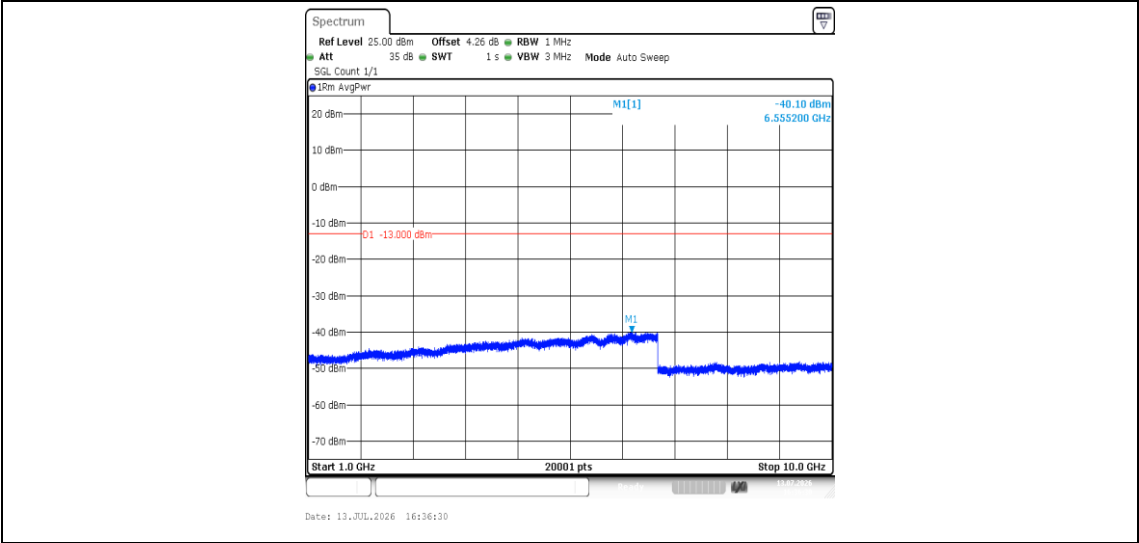
Band5-4233-0.009~0.15MHz-PASS



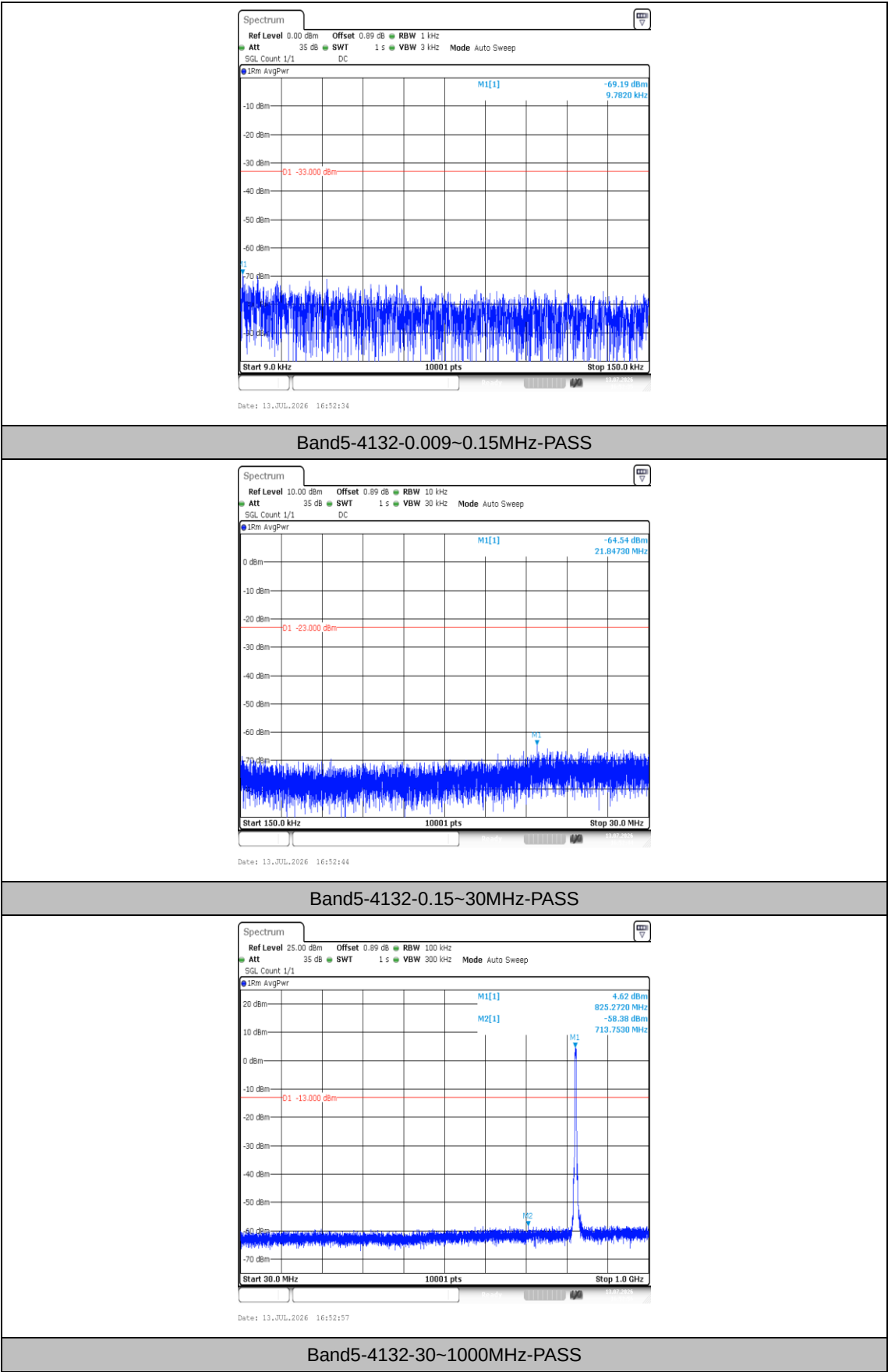
Band5-4233-0.15~30MHz-PASS

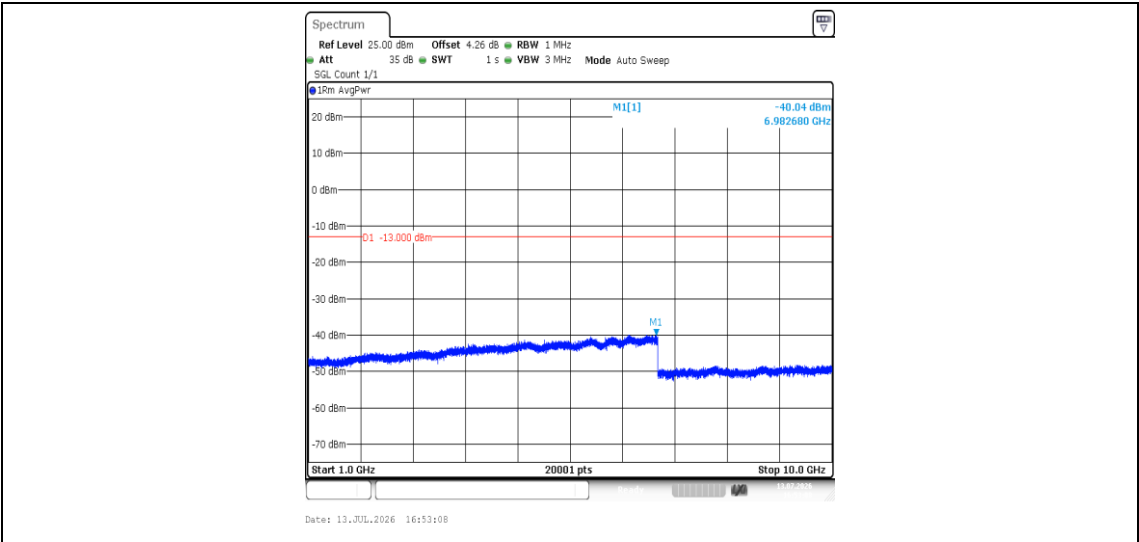


Band5-4233-30~1000MHz-PASS

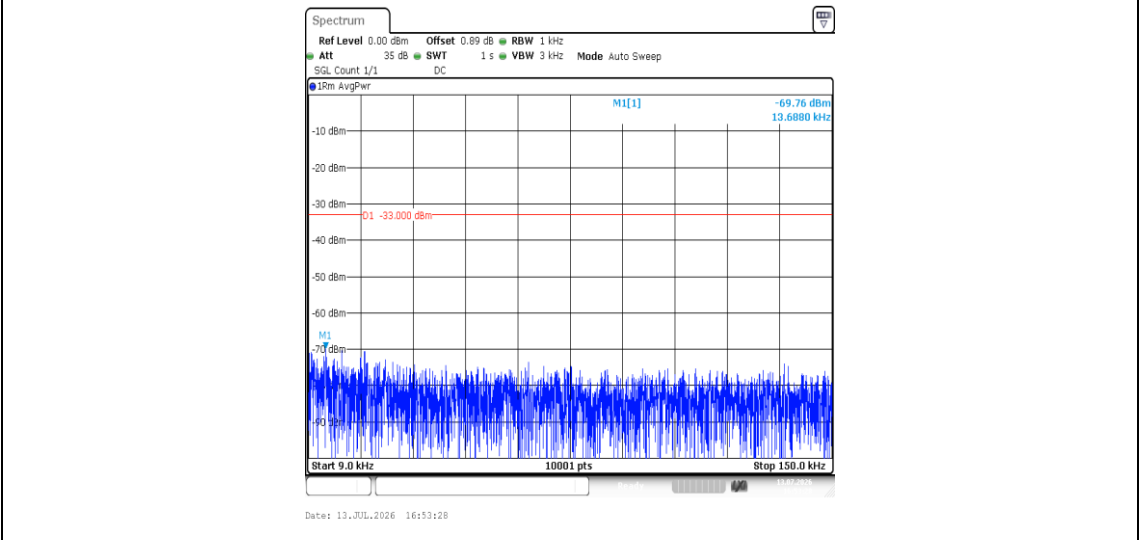


Band5-4233-1000~10000MHz-PASS

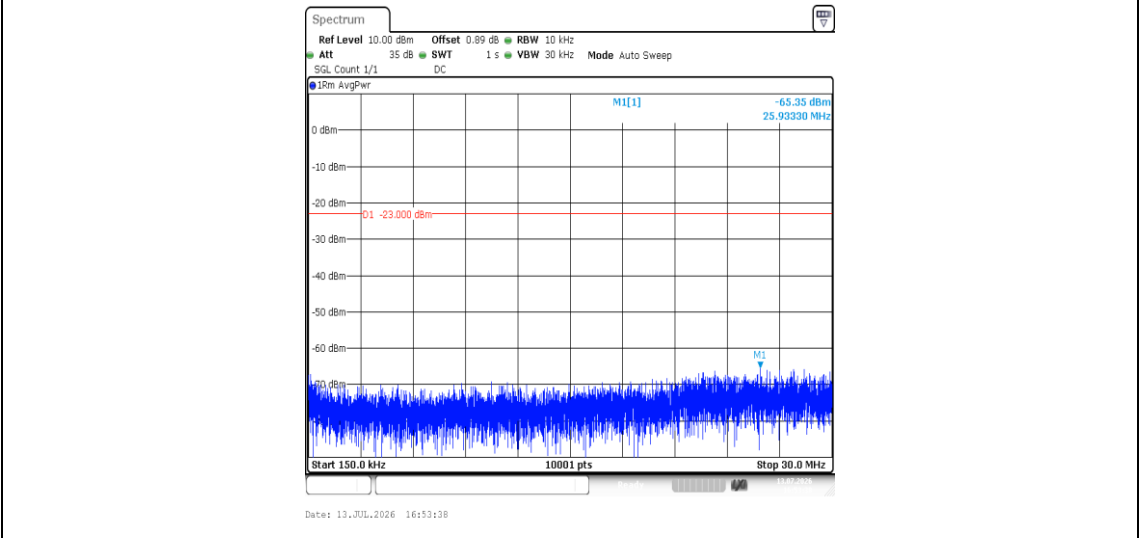




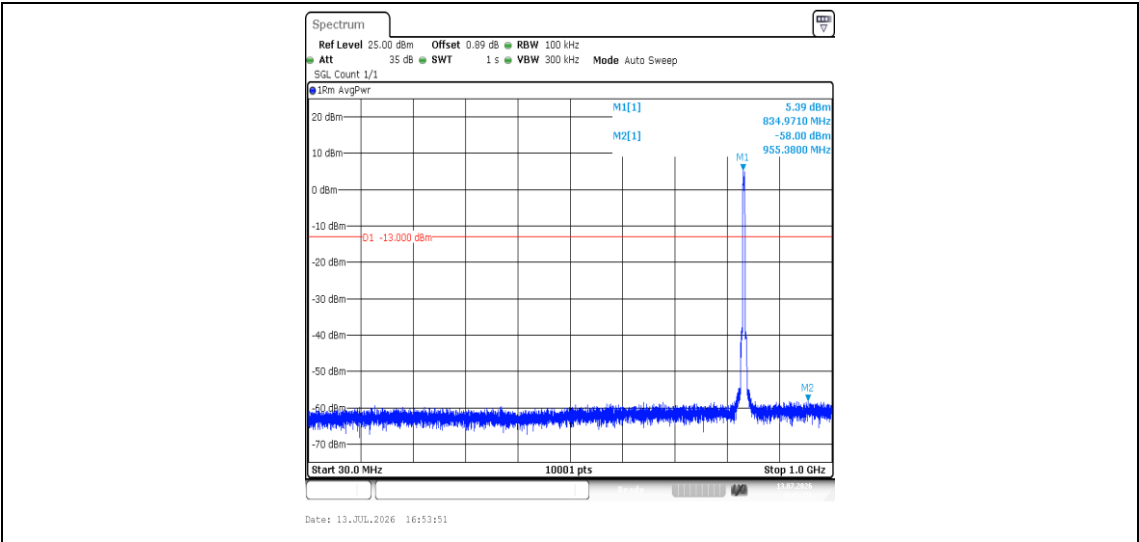
Band5-4132-1000~10000MHz-PASS



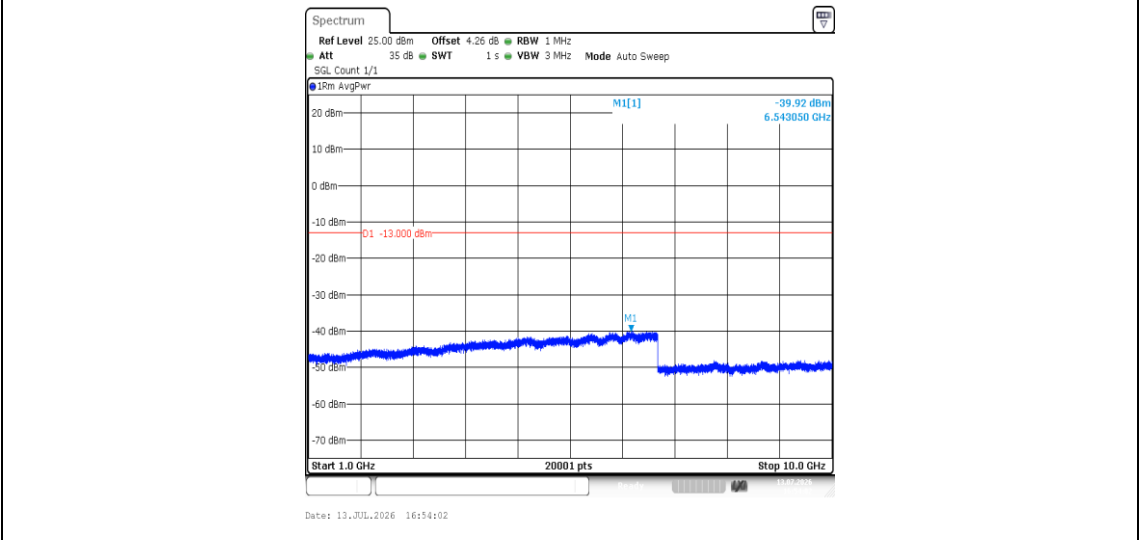
Band5-4182-0.009~0.15MHz-PASS



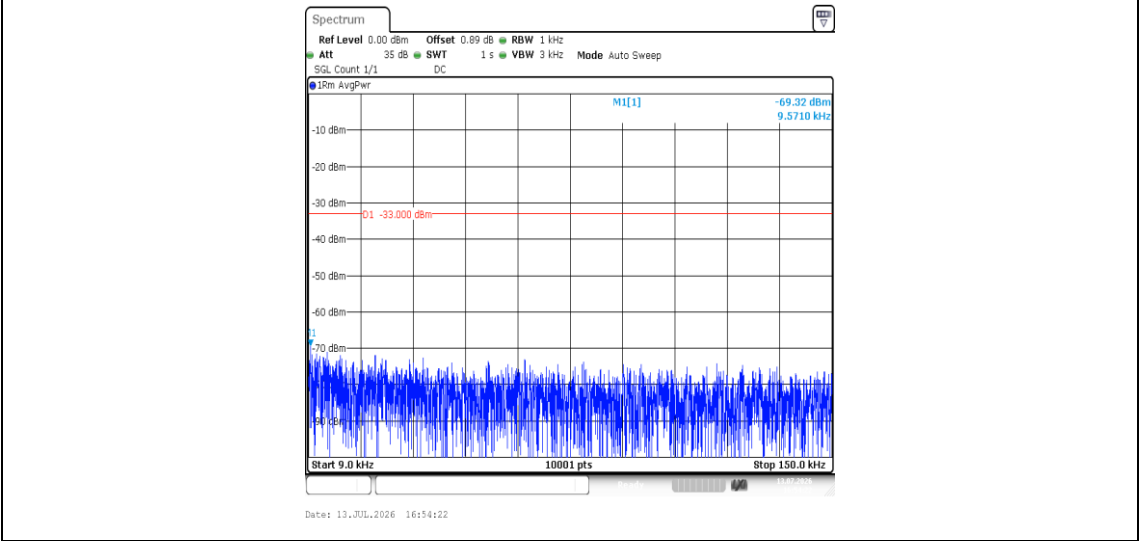
Band5-4182-0.15~30MHz-PASS



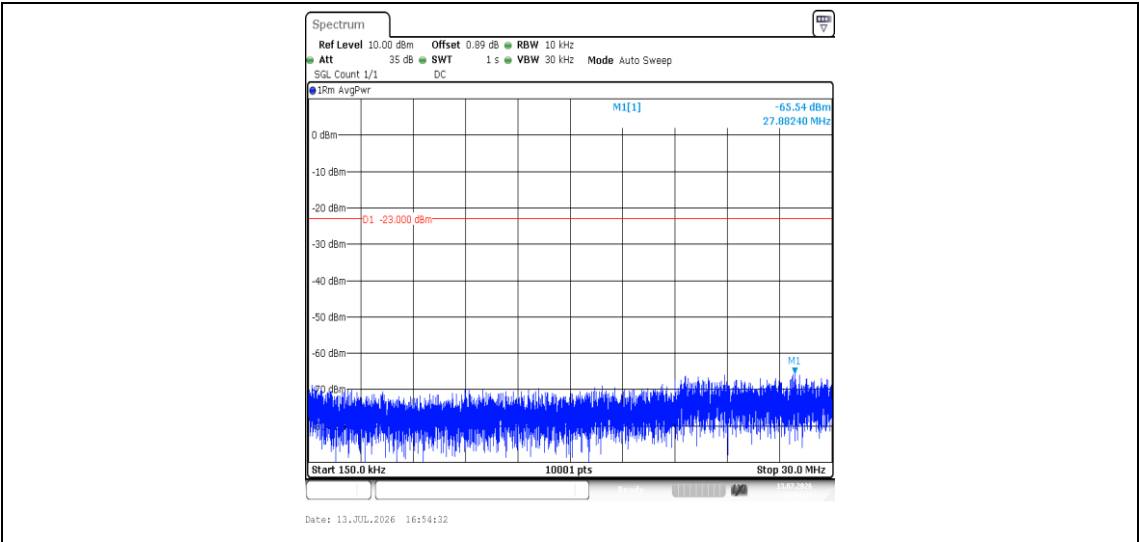
Band5-4182-30~1000MHz-PASS



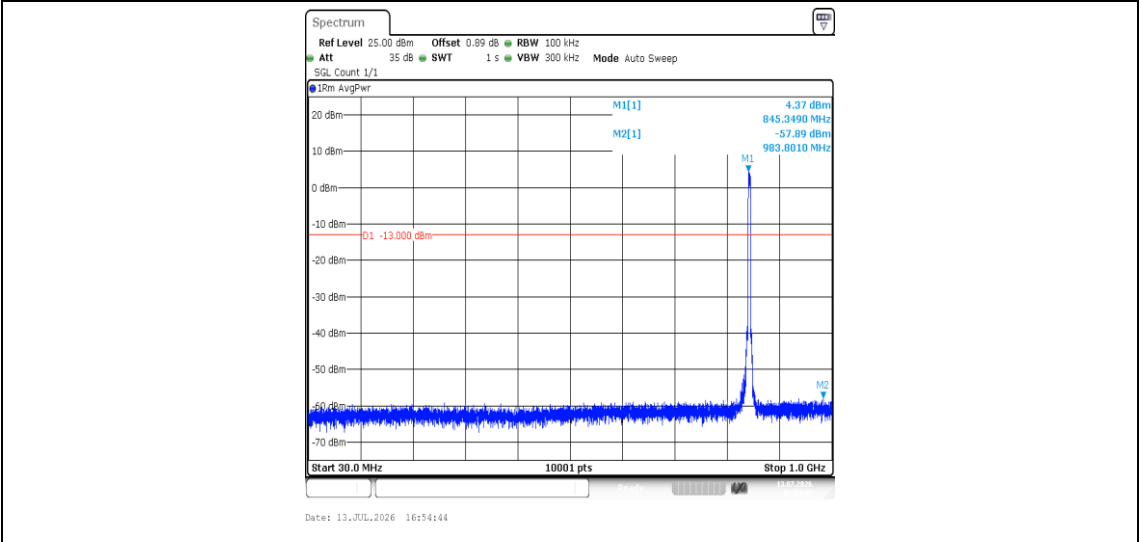
Band5-4182-1000~10000MHz-PASS



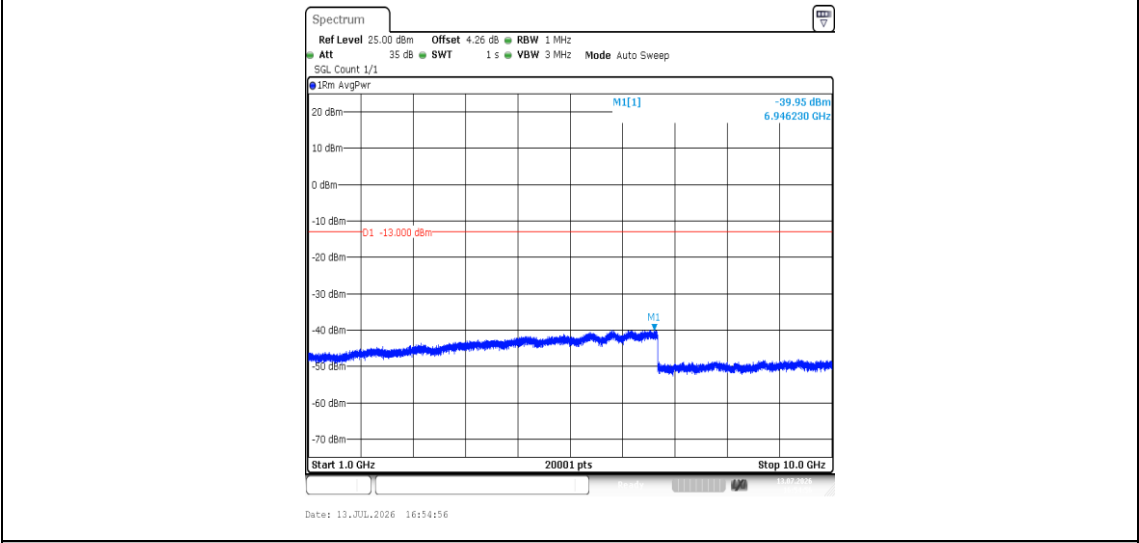
Band5-4233-0.009~0.15MHz-PASS



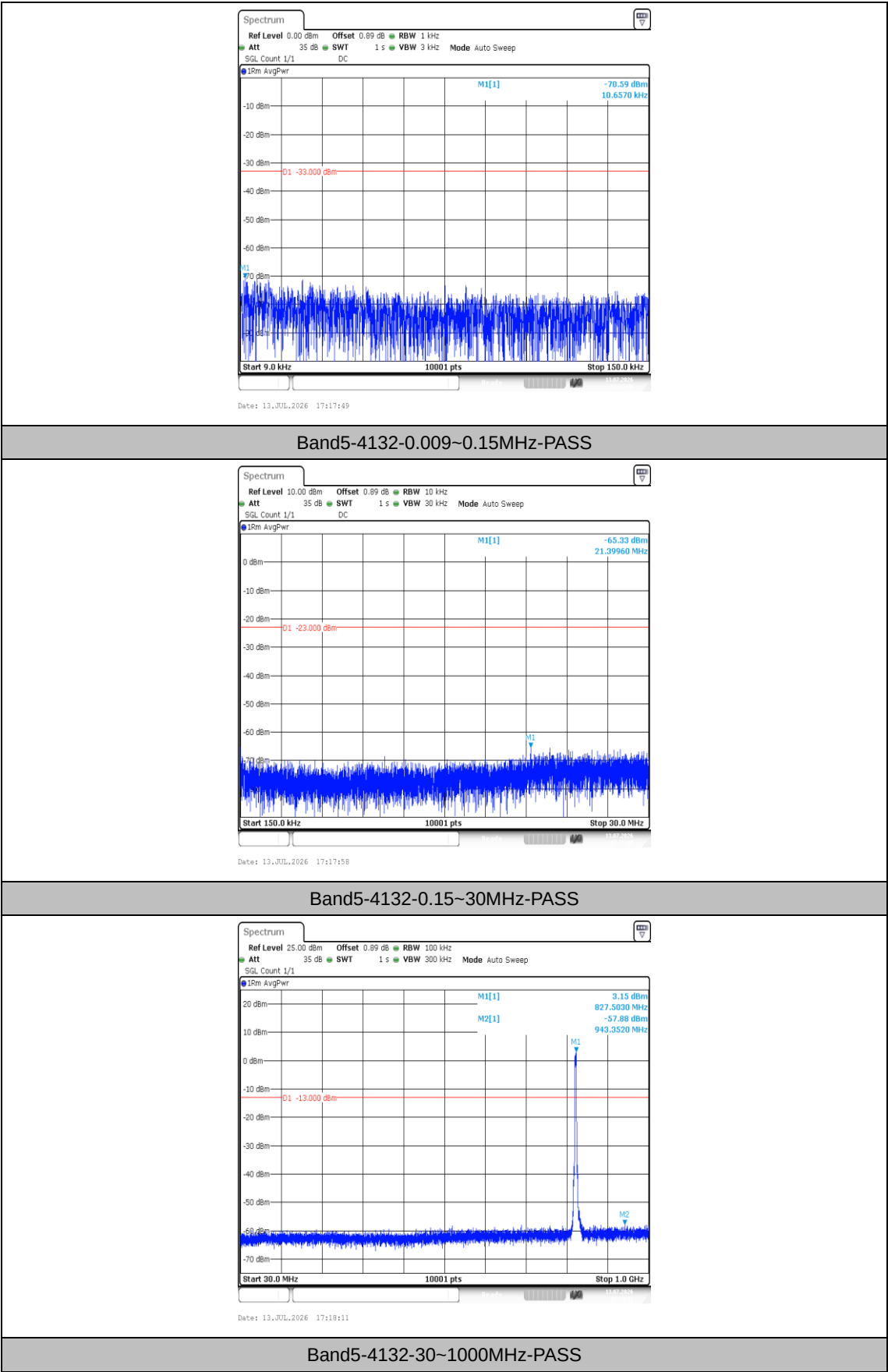
Band5-4233-0.15~30MHz-PASS

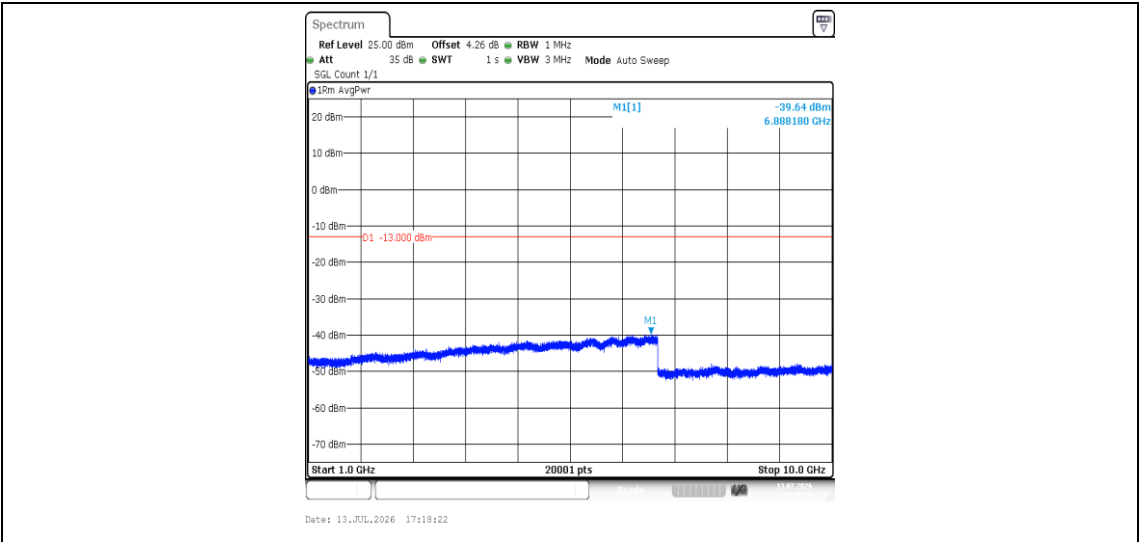


Band5-4233-30~1000MHz-PASS

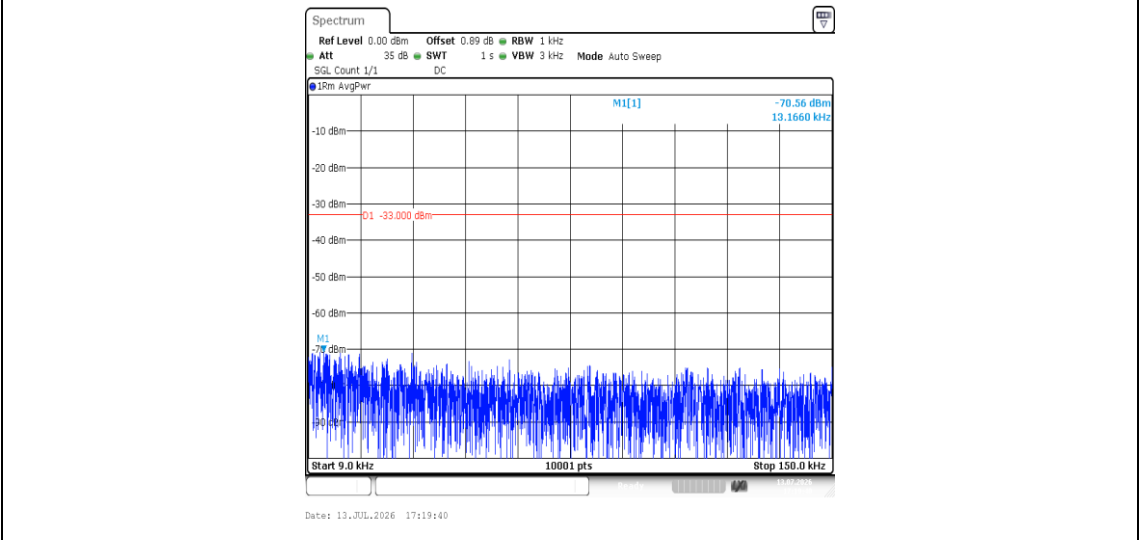


Band5-4233-1000~10000MHz-PASS

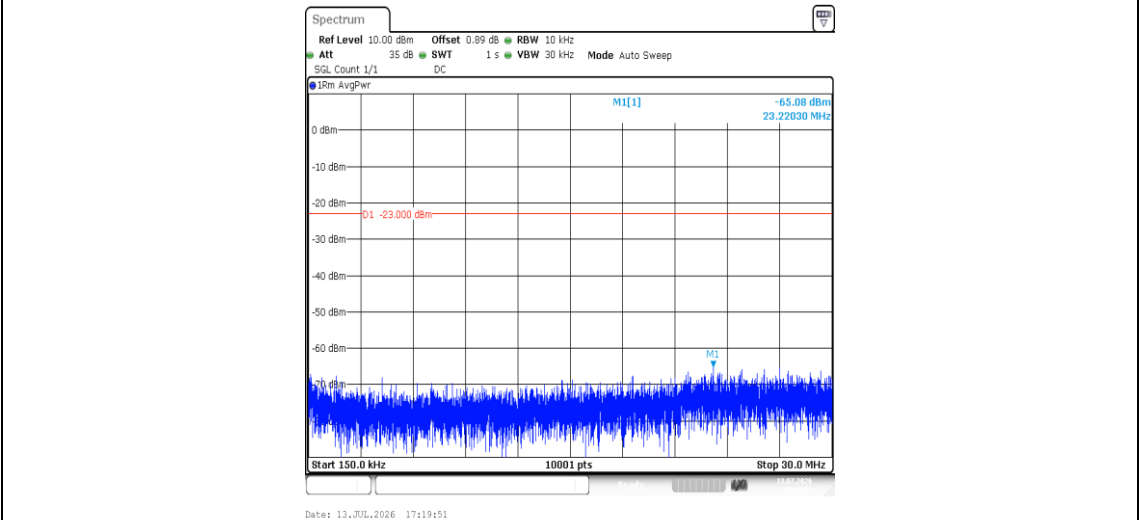




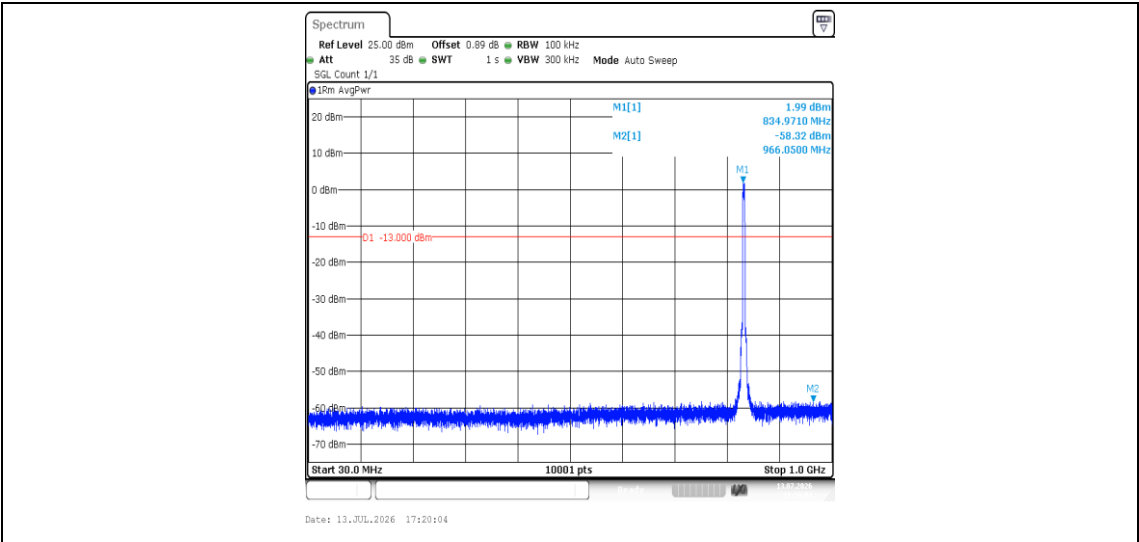
Band5-4132-1000~10000MHz-PASS



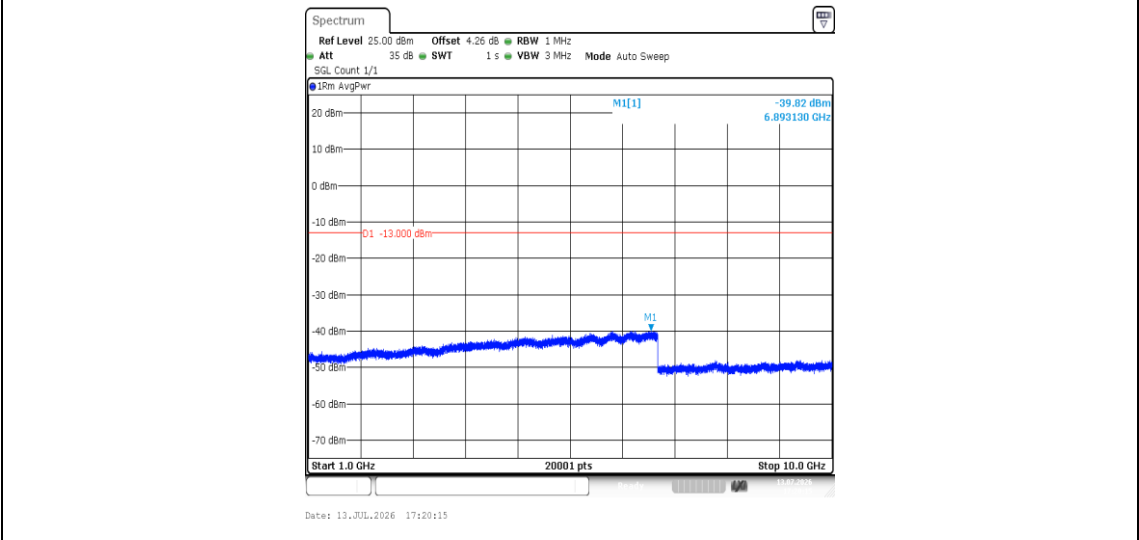
Band5-4182-0.009~0.15MHz-PASS



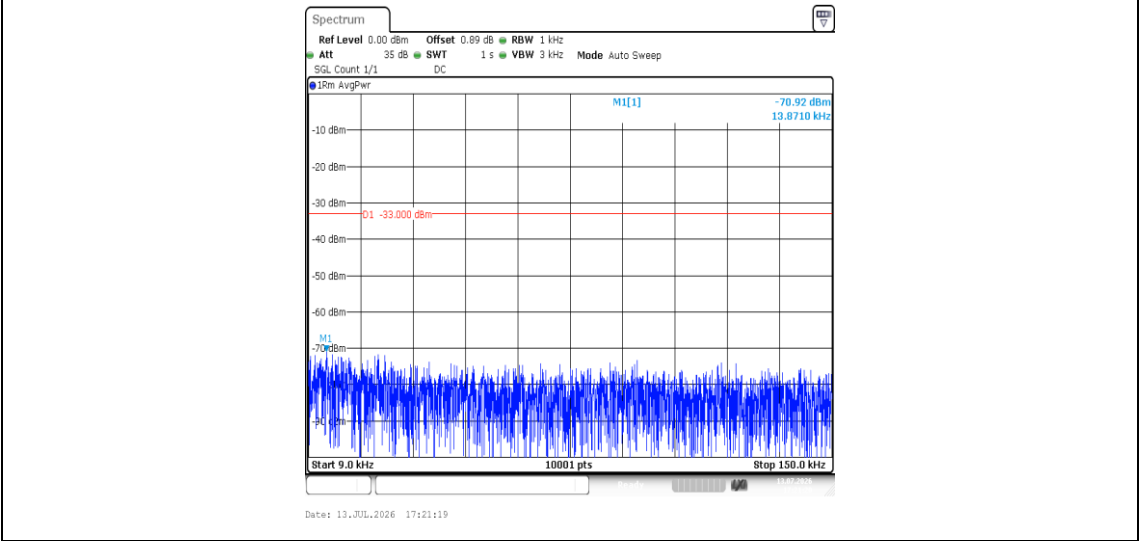
Band5-4182-0.15~30MHz-PASS



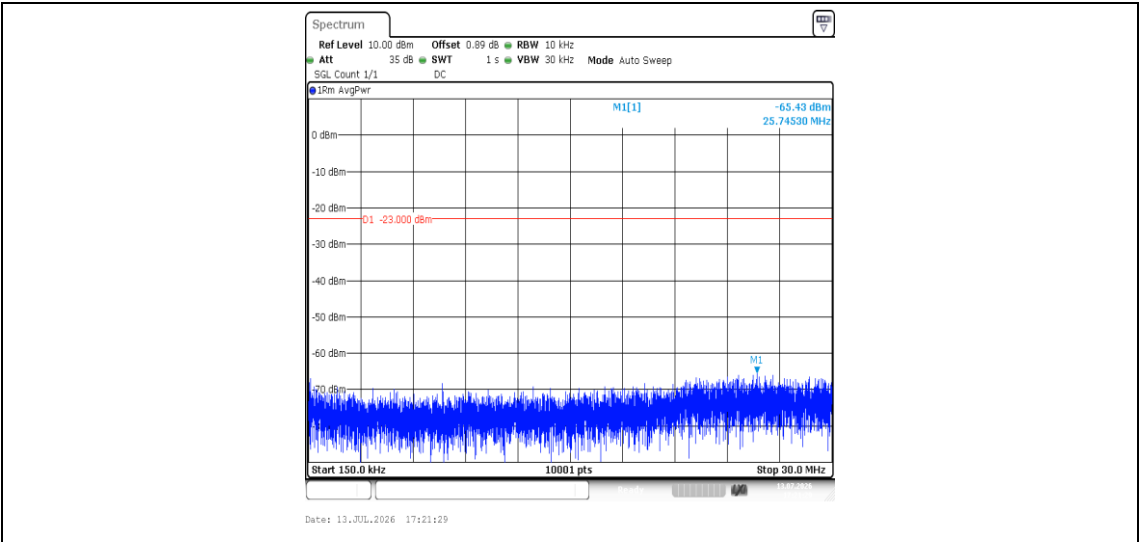
Band5-4182-30~1000MHz-PASS



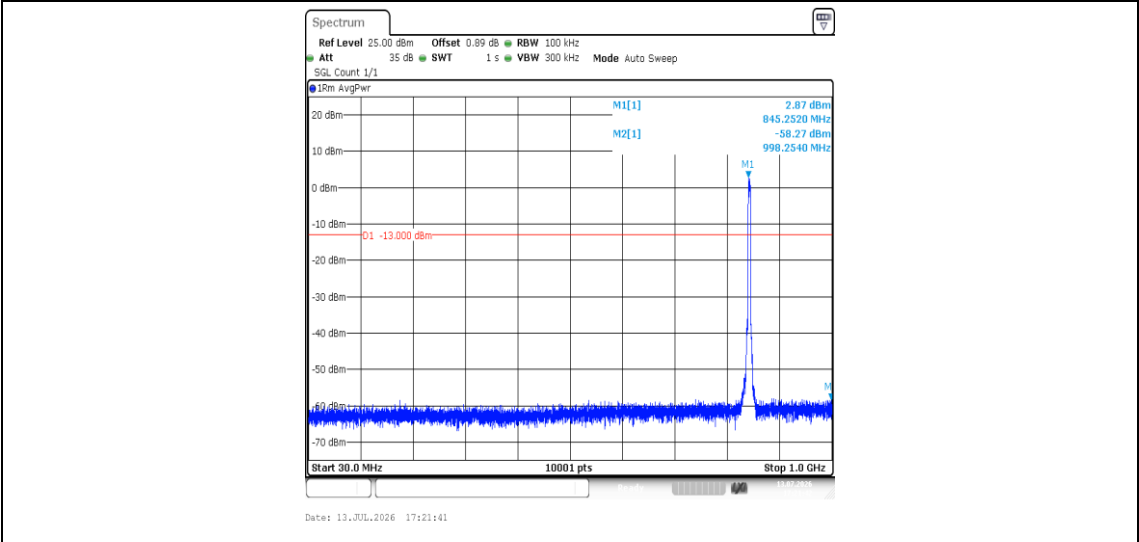
Band5-4182-1000~10000MHz-PASS



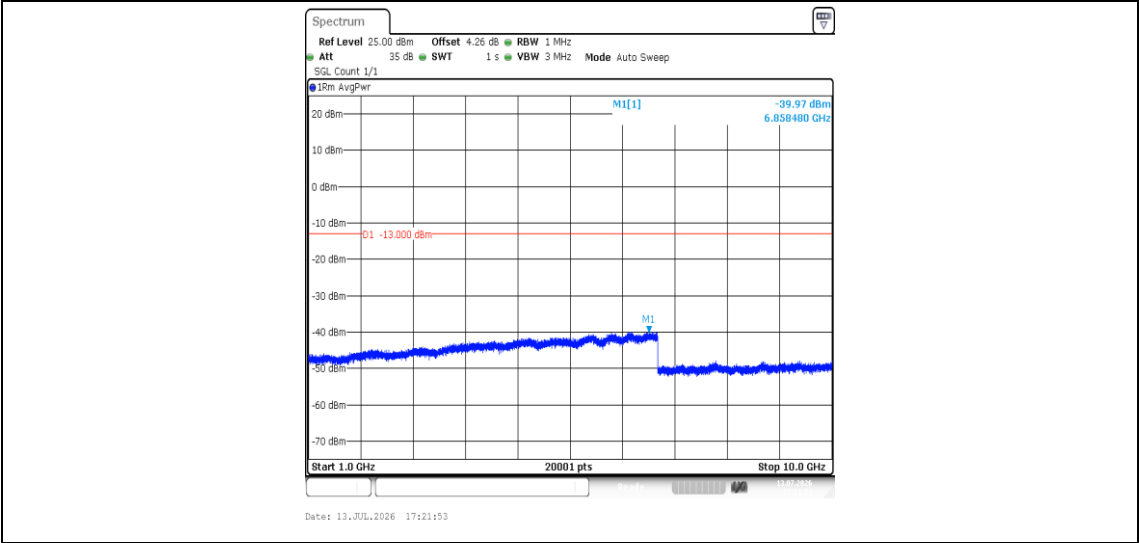
Band5-4233-0.009~0.15MHz-PASS



Band5-4233-0.15~30MHz-PASS



Band5-4233-30~1000MHz-PASS



Band5-4233-1000~10000MHz-PASS

AppendixF:Frequency Stability

Test Result

Voltage							
Band	Channel	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band5	4132	VN	NT	-5.79	-0.007006	±2	PASS
Band5	4132	VL	NT	-7.11	-0.008604	±2	PASS
Band5	4132	VH	NT	-2.95	-0.003570	±2	PASS
Band5	4182	VN	NT	-0.57	-0.000681	±2	PASS
Band5	4182	VL	NT	-1.01	-0.001208	±2	PASS
Band5	4182	VH	NT	-1.82	-0.002176	±2	PASS
Band5	4233	VN	NT	-3.71	-0.004382	±2	PASS
Band5	4233	VL	NT	-4.16	-0.004914	±2	PASS
Band5	4233	VH	NT	-2.74	-0.003236	±2	PASS

Temperature							
Band	Channel	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band5	4132	NV	-30	-4.32	-0.005227	±2	PASS
Band5	4132	NV	-20	-2.22	-0.002686	±2	PASS
Band5	4132	NV	-10	-3.05	-0.003691	±2	PASS
Band5	4132	NV	0	-1.79	-0.002166	±2	PASS
Band5	4132	NV	10	-2.94	-0.003558	±2	PASS
Band5	4132	NV	20	-4.02	-0.004864	±2	PASS
Band5	4132	NV	30	-4.11	-0.004973	±2	PASS
Band5	4132	NV	40	-3.55	-0.004296	±2	PASS
Band5	4132	NV	50	-3.68	-0.004453	±2	PASS
Band5	4182	NV	-30	-1.22	-0.001459	±2	PASS
Band5	4182	NV	-20	-2.90	-0.003467	±2	PASS
Band5	4182	NV	-10	-3.85	-0.004603	±2	PASS
Band5	4182	NV	0	-3.84	-0.004591	±2	PASS
Band5	4182	NV	10	-1.47	-0.001758	±2	PASS
Band5	4182	NV	20	-1.54	-0.001841	±2	PASS
Band5	4182	NV	30	-3.42	-0.004089	±2	PASS
Band5	4182	NV	40	-2.65	-0.003168	±2	PASS
Band5	4182	NV	50	-3.90	-0.004663	±2	PASS
Band5	4233	NV	-30	-3.35	-0.003957	±2	PASS
Band5	4233	NV	-20	-4.83	-0.005705	±2	PASS
Band5	4233	NV	-10	-1.45	-0.001713	±2	PASS

Band5	4233	NV	0	-1.96	-0.002315	±2	PASS
Band5	4233	NV	10	-3.36	-0.003969	±2	PASS
Band5	4233	NV	20	-3.68	-0.004347	±2	PASS
Band5	4233	NV	30	-1.29	-0.001524	±2	PASS
Band5	4233	NV	40	-2.14	-0.002528	±2	PASS
Band5	4233	NV	50	-3.17	-0.003744	±2	PASS

Band	Channel	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band5	4132	VN	NT	-6.96	-0.008422	±2	PASS
Band5	4132	VL	NT	-7.72	-0.009342	±2	PASS
Band5	4132	VH	NT	-2.89	-0.003497	±2	PASS
Band5	4182	VN	NT	-5.26	-0.006289	±2	PASS
Band5	4182	VL	NT	-5.24	-0.006265	±2	PASS
Band5	4182	VH	NT	-6.21	-0.007425	±2	PASS
Band5	4233	VN	NT	-4.33	-0.005115	±2	PASS
Band5	4233	VL	NT	-5.16	-0.006095	±2	PASS
Band5	4233	VH	NT	-4.83	-0.005705	±2	PASS

Band	Channel	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band5	4132	NV	-30	-2.60	-0.003146	±2	PASS
Band5	4132	NV	-20	-3.63	-0.004393	±2	PASS
Band5	4132	NV	-10	-7.06	-0.008543	±2	PASS
Band5	4132	NV	0	-5.11	-0.006183	±2	PASS
Band5	4132	NV	10	-3.81	-0.004610	±2	PASS
Band5	4132	NV	20	-5.01	-0.006062	±2	PASS
Band5	4132	NV	30	-5.77	-0.006982	±2	PASS
Band5	4132	NV	40	-3.64	-0.004405	±2	PASS
Band5	4132	NV	50	-3.43	-0.004151	±2	PASS
Band5	4182	NV	-30	-6.82	-0.008154	±2	PASS
Band5	4182	NV	-20	-1.65	-0.001973	±2	PASS
Band5	4182	NV	-10	-4.16	-0.004974	±2	PASS
Band5	4182	NV	0	-0.26	-0.000311	±2	PASS
Band5	4182	NV	10	-3.10	-0.003706	±2	PASS
Band5	4182	NV	20	-3.38	-0.004041	±2	PASS
Band5	4182	NV	30	-3.99	-0.004770	±2	PASS
Band5	4182	NV	40	-3.16	-0.003778	±2	PASS
Band5	4182	NV	50	-3.93	-0.004699	±2	PASS
Band5	4233	NV	-30	-3.65	-0.004311	±2	PASS
Band5	4233	NV	-20	-4.08	-0.004819	±2	PASS
Band5	4233	NV	-10	-3.78	-0.004465	±2	PASS
Band5	4233	NV	0	-2.98	-0.003520	±2	PASS
Band5	4233	NV	10	-3.85	-0.004548	±2	PASS
Band5	4233	NV	20	-5.75	-0.006792	±2	PASS
Band5	4233	NV	30	-2.95	-0.003485	±2	PASS

Band5	4233	NV	40	-3.22	-0.003803	±2	PASS
Band5	4233	NV	50	-4.97	-0.005871	±2	PASS

Band	Channel	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band5	4132	VN	NT	-9.31	-0.011266	±2	PASS
Band5	4132	VL	NT	-6.21	-0.007515	±2	PASS
Band5	4132	VH	NT	-5.89	-0.007127	±2	PASS
Band5	4182	VN	NT	-8.45	-0.010103	±2	PASS
Band5	4182	VL	NT	-3.78	-0.004519	±2	PASS
Band5	4182	VH	NT	-4.11	-0.004914	±2	PASS
Band5	4233	VN	NT	-7.51	-0.008871	±2	PASS
Band5	4233	VL	NT	-4.26	-0.005032	±2	PASS
Band5	4233	VH	NT	-3.88	-0.004583	±2	PASS

Band	Channel	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band5	4132	NV	-30	-5.27	-0.006377	±2	PASS
Band5	4132	NV	-20	-3.61	-0.004368	±2	PASS
Band5	4132	NV	-10	-5.19	-0.006280	±2	PASS
Band5	4132	NV	0	-3.97	-0.004804	±2	PASS
Band5	4132	NV	10	-6.22	-0.007527	±2	PASS
Band5	4132	NV	20	-3.14	-0.003800	±2	PASS
Band5	4132	NV	30	-3.82	-0.004622	±2	PASS
Band5	4132	NV	40	-5.56	-0.006728	±2	PASS
Band5	4132	NV	50	-3.65	-0.004417	±2	PASS
Band5	4182	NV	-30	-4.15	-0.004962	±2	PASS
Band5	4182	NV	-20	-3.23	-0.003862	±2	PASS
Band5	4182	NV	-10	-3.58	-0.004280	±2	PASS
Band5	4182	NV	0	-2.47	-0.002953	±2	PASS
Band5	4182	NV	10	-1.02	-0.001220	±2	PASS
Band5	4182	NV	20	-4.03	-0.004818	±2	PASS
Band5	4182	NV	30	-2.81	-0.003360	±2	PASS
Band5	4182	NV	40	-4.16	-0.004974	±2	PASS
Band5	4182	NV	50	-2.68	-0.003204	±2	PASS
Band5	4233	NV	-30	-4.26	-0.005032	±2	PASS
Band5	4233	NV	-20	-4.09	-0.004831	±2	PASS
Band5	4233	NV	-10	-3.62	-0.004276	±2	PASS
Band5	4233	NV	0	-3.66	-0.004323	±2	PASS
Band5	4233	NV	10	-4.47	-0.005280	±2	PASS
Band5	4233	NV	20	-2.59	-0.003059	±2	PASS
Band5	4233	NV	30	-2.25	-0.002658	±2	PASS

Band5	4233	NV	40	-1.75	-0.002067	±2	PASS
Band5	4233	NV	50	-4.62	-0.005457	±2	PASS