

Appendix for WCDMA Band 2

Product Name: Smart Phone
Model No: G96

AppendixA: Average Power Output Data

Test Result

Normal mode:

Band	Channel	Power(dBm)	Limit(dBm)	Verdict
Band2	9262	22.79	33.01	PASS
Band2	9400	22.43	33.01	PASS
Band2	9538	22.55	33.01	PASS

Band	Channel	Power(dBm)	Limit(dBm)	Verdict
Band2	9262	21.45	33.01	PASS
Band2	9400	21.03	33.01	PASS
Band2	9538	21.24	33.01	PASS

Band	Channel	Power(dBm)	Limit(dBm)	Verdict
Band2	9262	19.43	33.01	PASS
Band2	9400	19.02	33.01	PASS
Band2	9538	19.17	33.01	PASS

Hotspot mode:

Band	Channel	Power(dBm)	Limit(dBm)	Verdict
Band2	9262	18.88	33.01	PASS
Band2	9400	18.54	33.01	PASS
Band2	9538	18.60	33.01	PASS

Band	Channel	Power(dBm)	Limit(dBm)	Verdict
Band2	9262	17.92	33.01	PASS
Band2	9400	17.57	33.01	PASS
Band2	9538	17.67	33.01	PASS

Band	Channel	Power(dBm)	Limit(dBm)	Verdict
Band2	9262	15.92	33.01	PASS
Band2	9400	15.53	33.01	PASS
Band2	9538	15.62	33.01	PASS

Receiver ON:

Band	Channel	Power(dBm)	Limit(dBm)	Verdict
Band2	9262	16.39	33.01	PASS
Band2	9400	16.54	33.01	PASS
Band2	9538	16.69	33.01	PASS

Band	Channel	Power(dBm)	Limit(dBm)	Verdict
Band2	9262	15.75	33.01	PASS
Band2	9400	15.57	33.01	PASS
Band2	9538	15.71	33.01	PASS

Band	Channel	Power(dBm)	Limit(dBm)	Verdict
Band2	9262	13.93	33.01	PASS
Band2	9400	13.53	33.01	PASS
Band2	9538	13.62	33.01	PASS

Sensor:

Band	Channel	Power(dBm)	Limit(dBm)	Verdict
Band2	9262	19.16	33.01	PASS
Band2	9400	19.24	33.01	PASS
Band2	9538	19.56	33.01	PASS

Band	Channel	Power(dBm)	Limit(dBm)	Verdict
Band2	9262	18.60	33.01	PASS
Band2	9400	18.51	33.01	PASS
Band2	9538	18.43	33.01	PASS

Band	Channel	Power(dBm)	Limit(dBm)	Verdict
Band2	9262	16.23	33.01	PASS
Band2	9400	16.60	33.01	PASS
Band2	9538	16.57	33.01	PASS

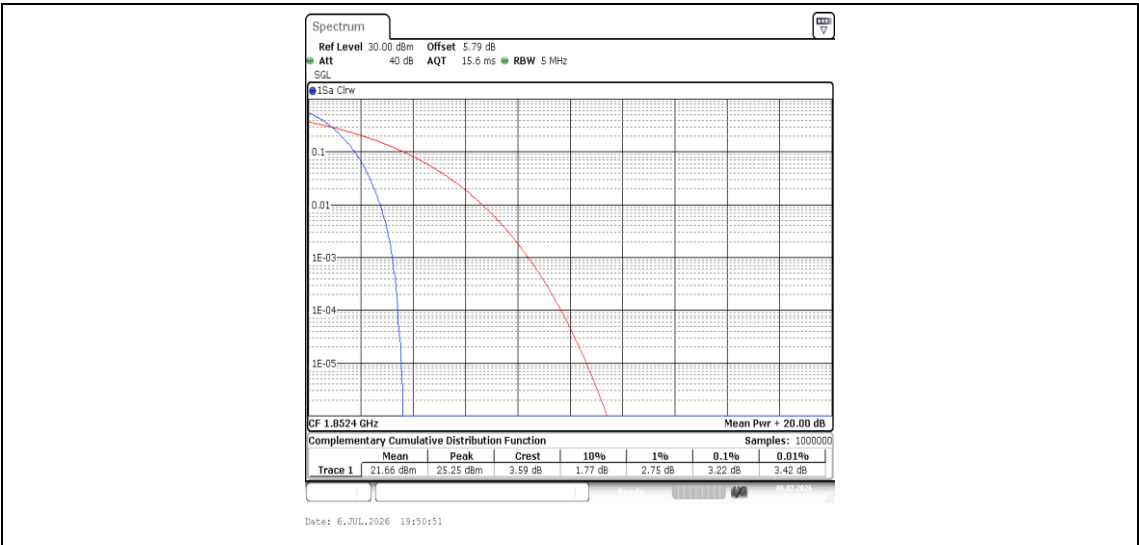
AppendixB:Peak-to-Average Ratio**Test Result**

Band	Channel	Peak-to-Average Ratio(dB)	Limit(dB)	Verdict
Band2	9262	3.22	13	PASS
Band2	9400	3.51	13	PASS
Band2	9538	3.45	13	PASS

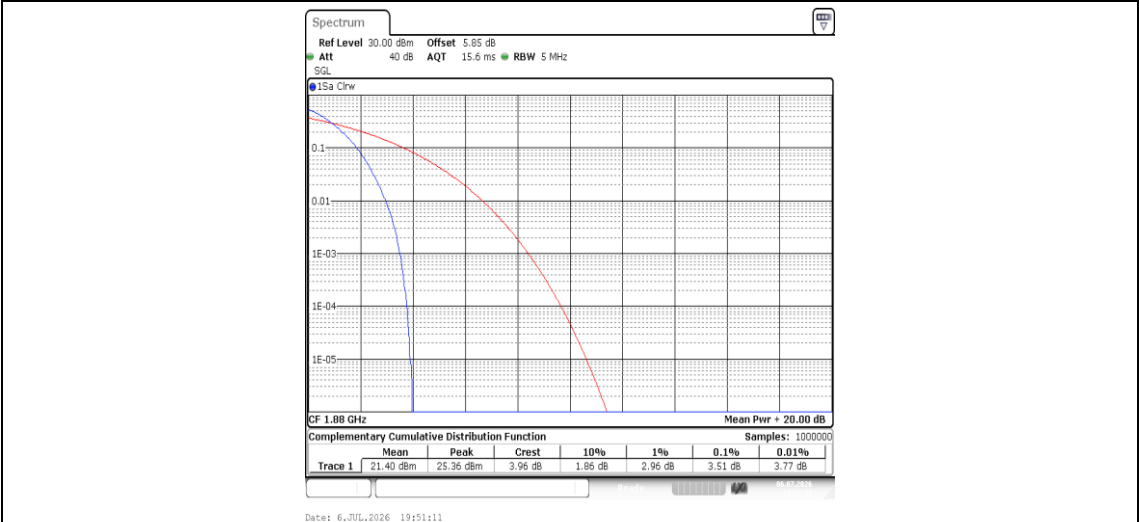
Band	Channel	Peak-to-Average Ratio(dB)	Limit(dB)	Verdict
Band2	9262	3.39	13	PASS
Band2	9400	3.57	13	PASS
Band2	9538	3.54	13	PASS

Band	Channel	Peak-to-Average Ratio(dB)	Limit(dB)	Verdict
Band2	9262	4.87	13	PASS
Band2	9400	4.96	13	PASS
Band2	9538	4.90	13	PASS

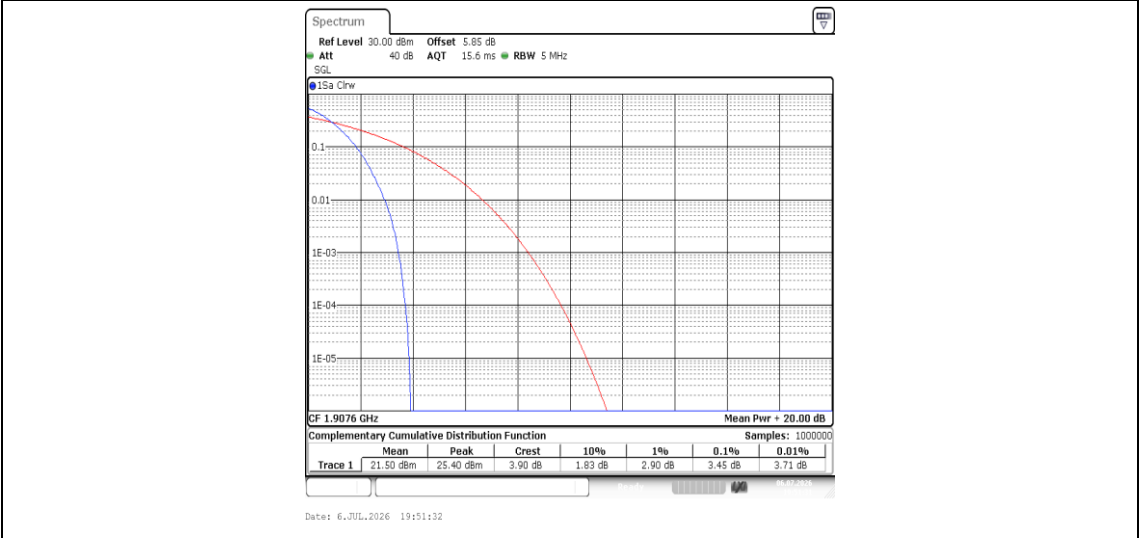
Test Graphs

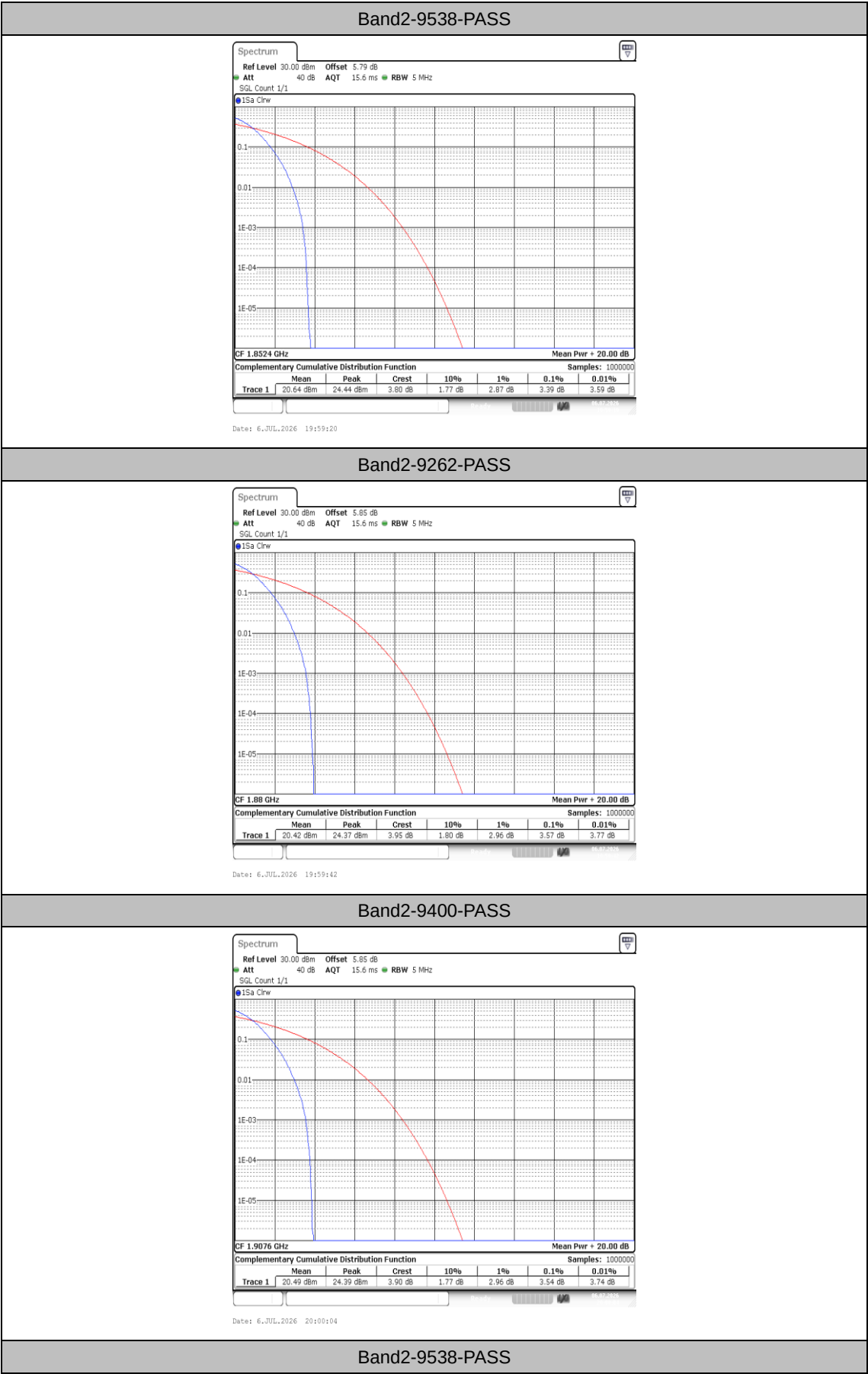


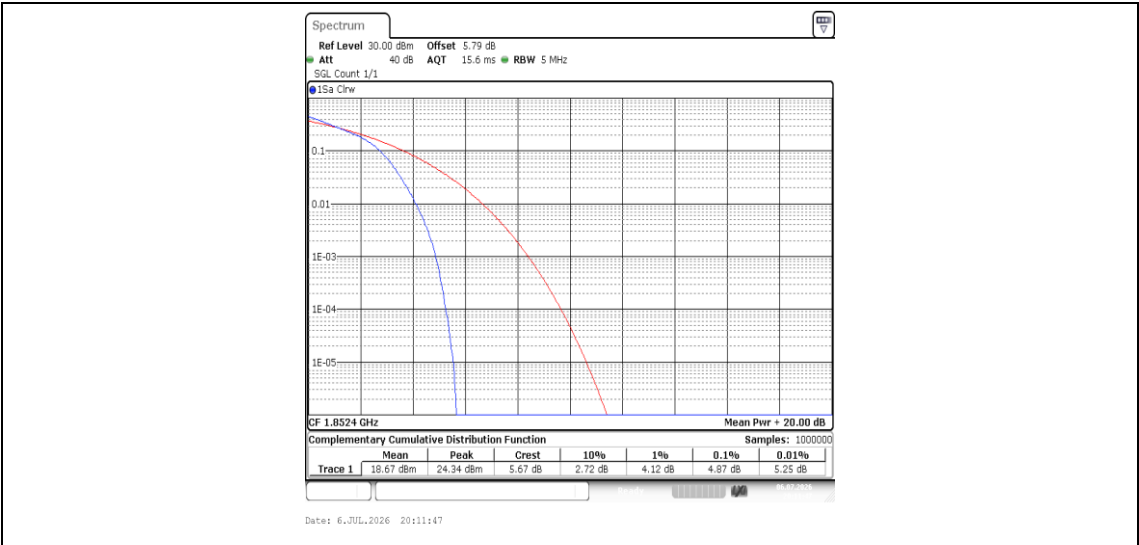
Band2-9262-PASS



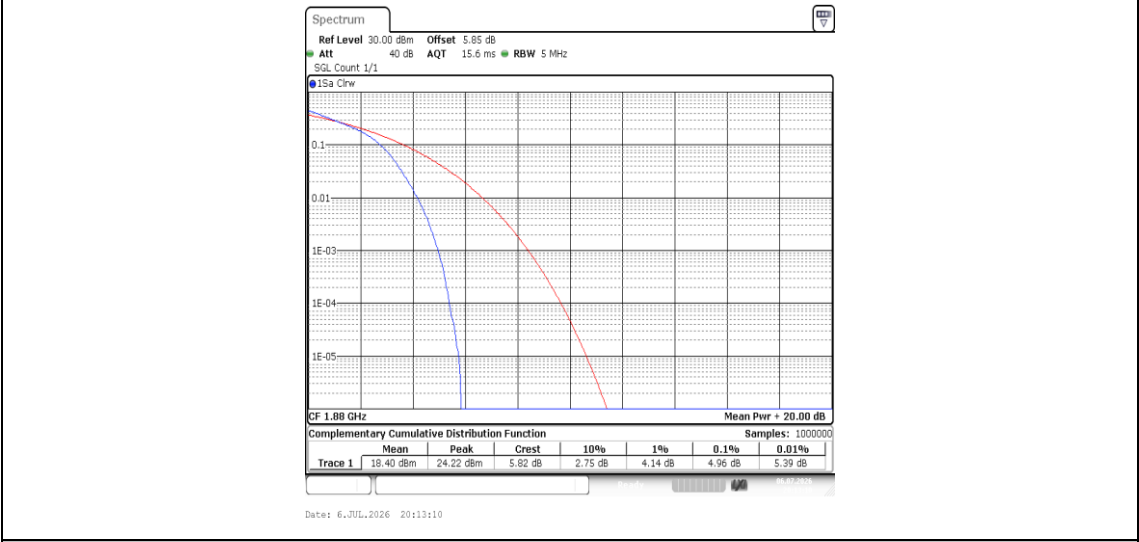
Band2-9400-PASS



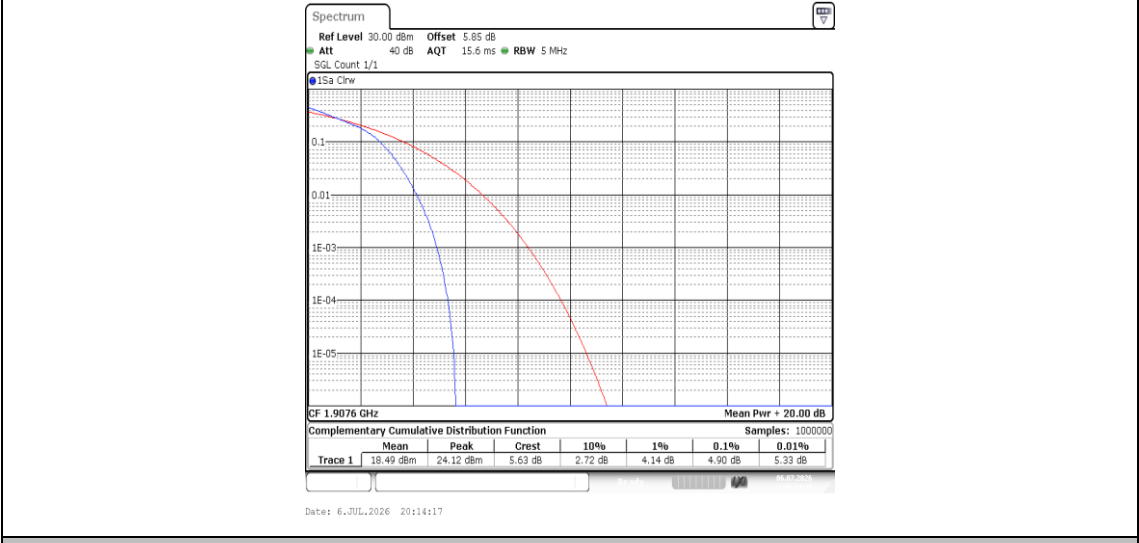




Band2-9262-PASS



Band2-9400-PASS



Band2-9538-PASS

AppendixC:26dB Bandwidth andOccupied Bandwidth

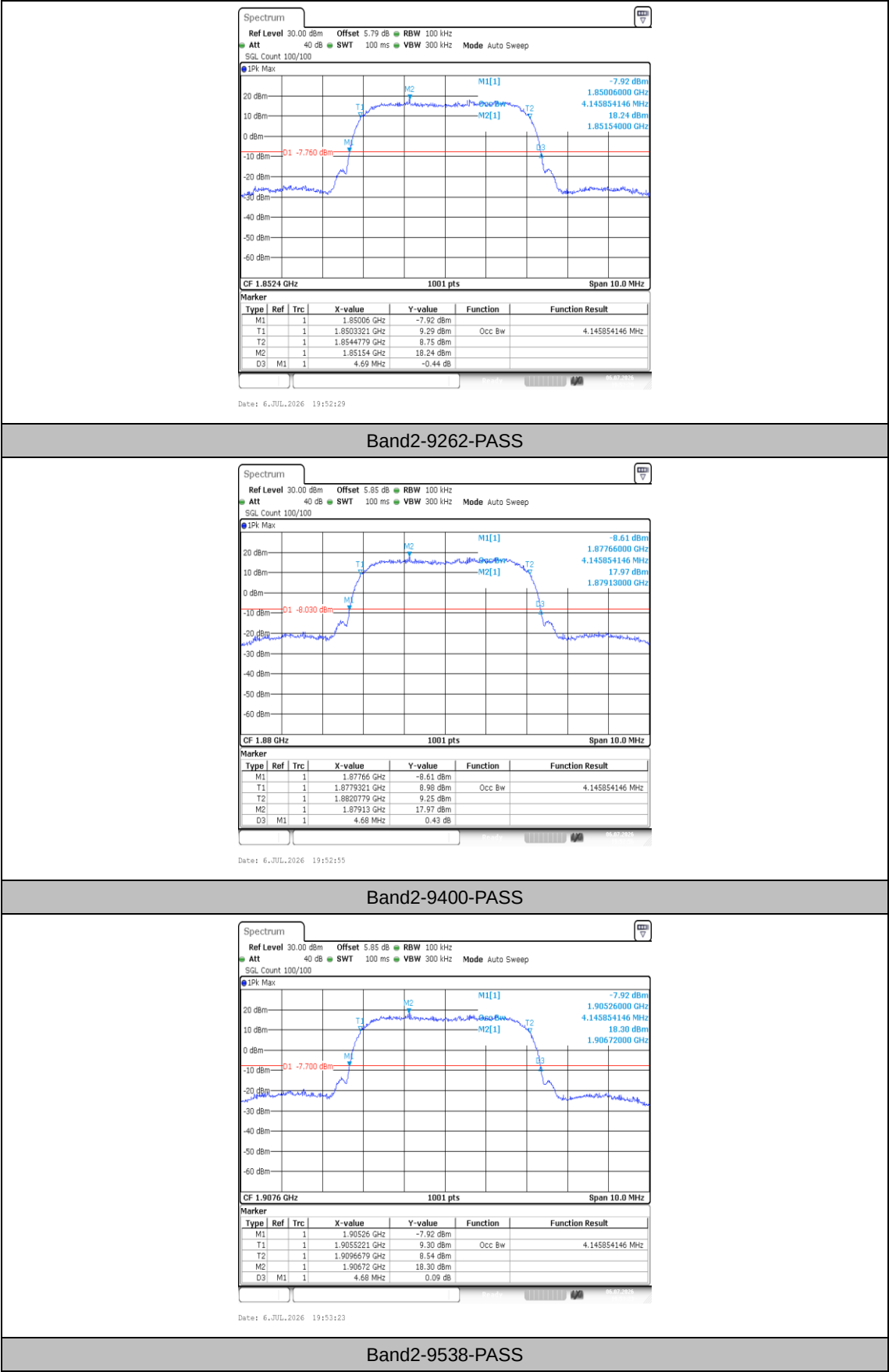
Test Result

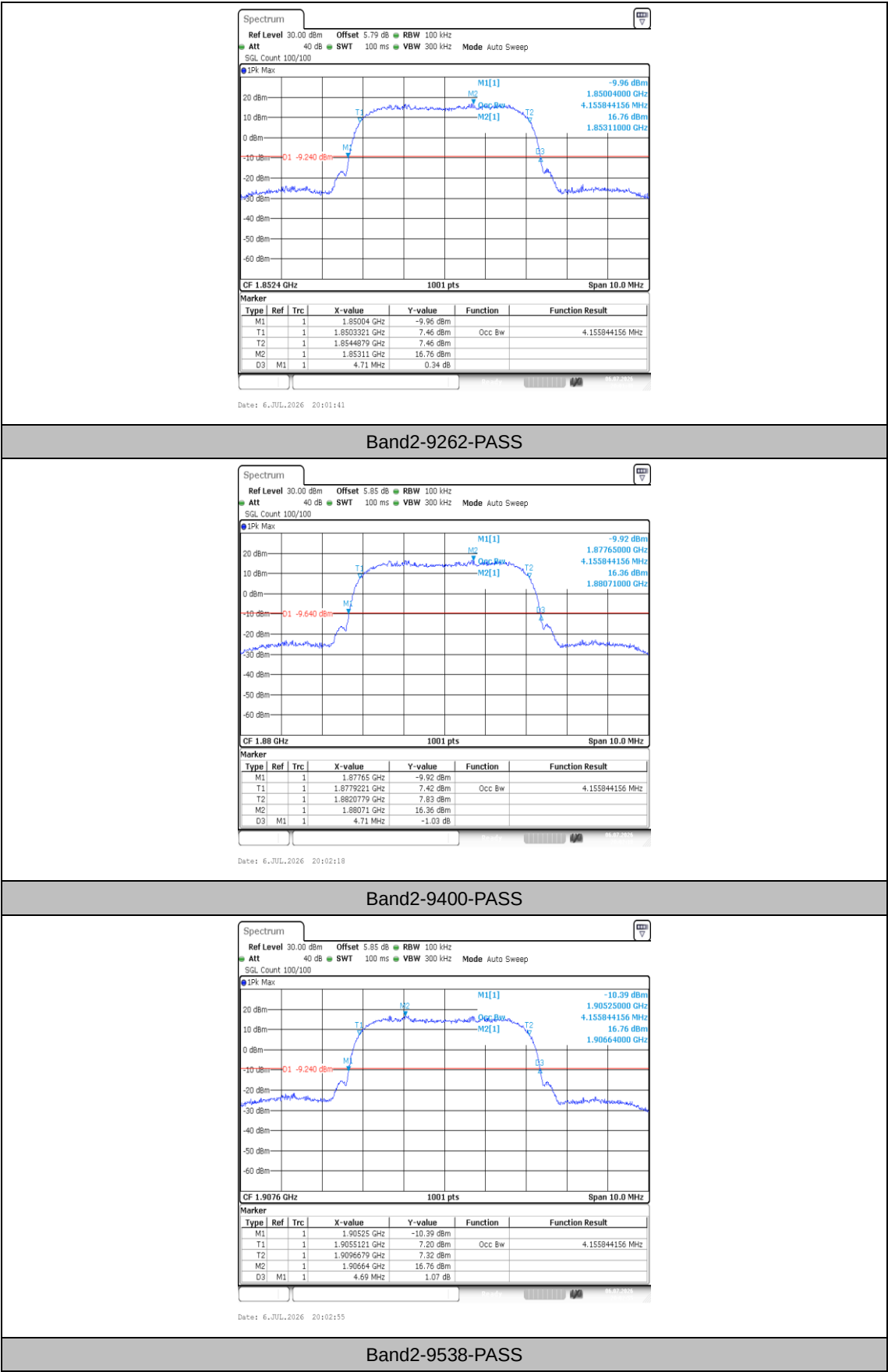
Band	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit(MHz)	Verdict
Band2	9262	4.1459	4.69	---	PASS
Band2	9400	4.1459	4.68	---	PASS
Band2	9538	4.1459	4.68	---	PASS

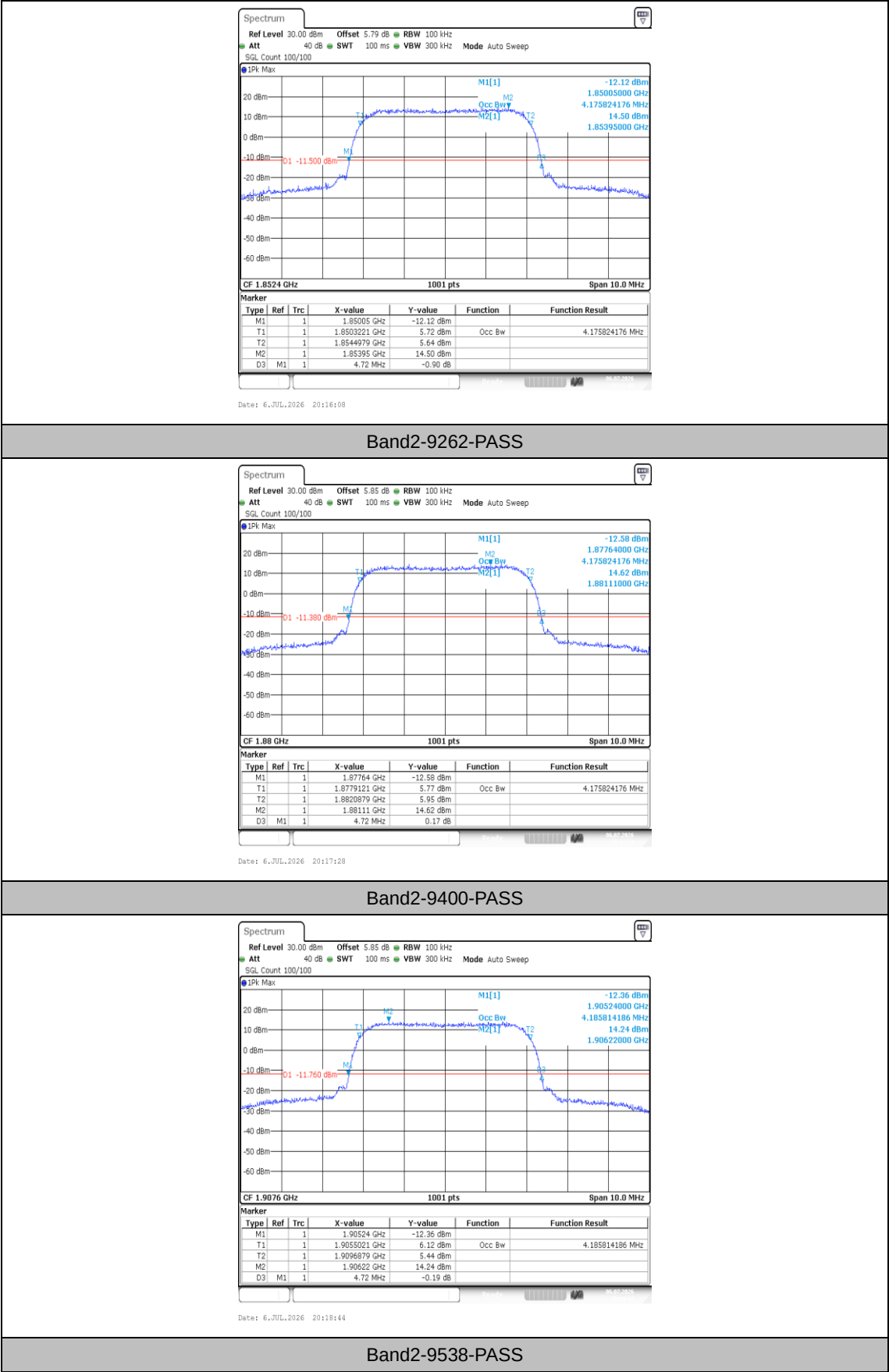
Band	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit(MHz)	Verdict
Band2	9262	4.1558	4.71	---	PASS
Band2	9400	4.1558	4.71	---	PASS
Band2	9538	4.1558	4.69	---	PASS

Band	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit(MHz)	Verdict
Band2	9262	4.1758	4.72	---	PASS
Band2	9400	4.1758	4.72	---	PASS
Band2	9538	4.1858	4.72	---	PASS

Test Graphs







AppendixD:Band Edge

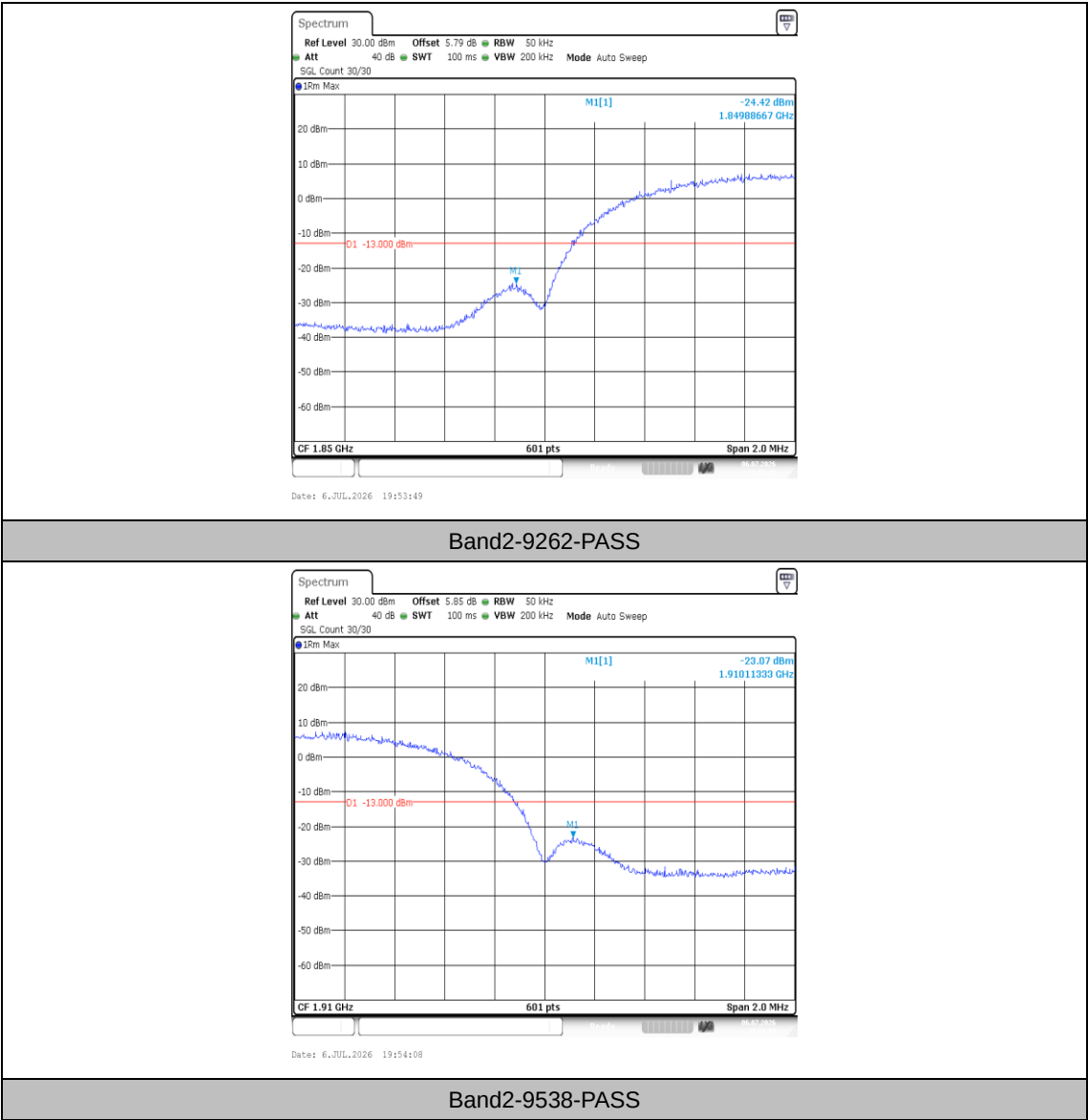
Test Result

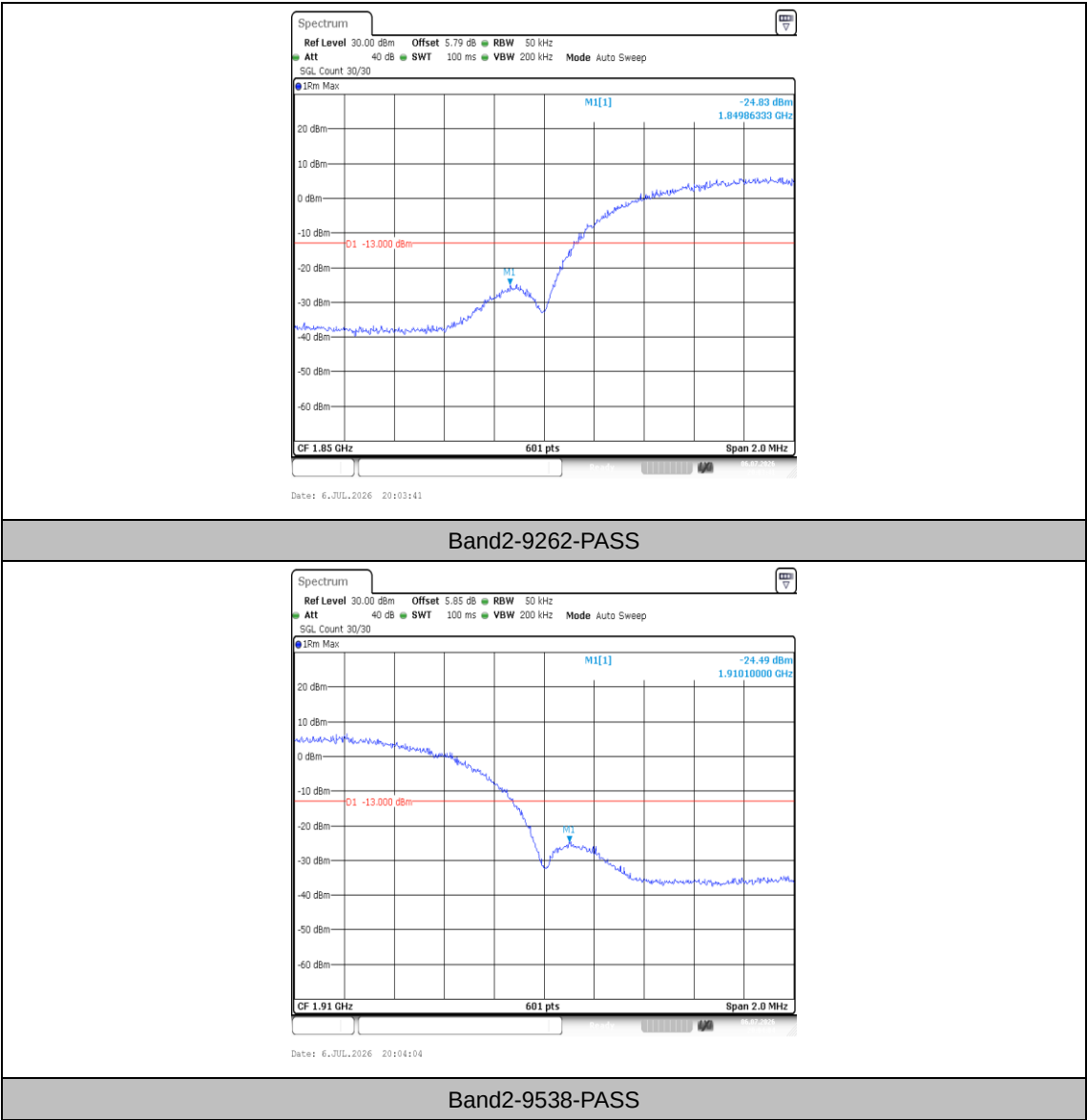
Band	Channel	Frequency (MHz)	Result (dBm)	Limit(dBm)	Verdict
Band2	9262	1849.89	-24.42	-13	PASS
Band2	9538	1910.11	-23.07	-13	PASS

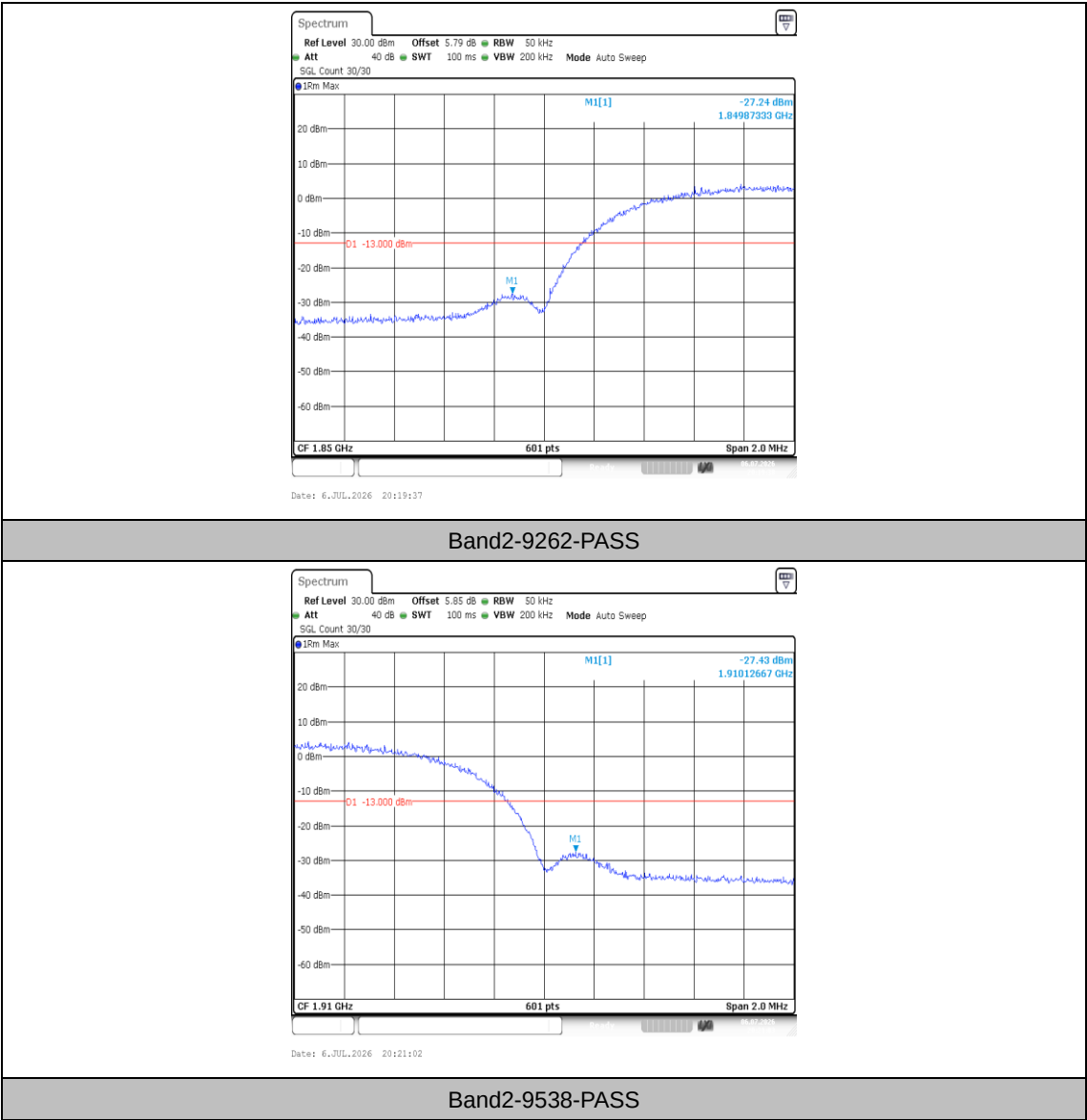
Band	Channel	Frequency (MHz)	Result (dBm)	Limit(dBm)	Verdict
Band2	9262	1849.86	-24.83	-13	PASS
Band2	9538	1910.10	-24.49	-13	PASS

Band	Channel	Frequency (MHz)	Result (dBm)	Limit(dBm)	Verdict
Band2	9262	1849.87	-27.24	-13	PASS
Band2	9538	1910.13	-27.43	-13	PASS

Test Graphs







AppendixE:Conducted SpuriousEmission

Test Result

Band	Channel	Frequency Range (Mhz)	Frequency (dBm)	Result (dBm)	Limit (dBm)	Verdict
Band2	9262	0.009~0.15MHz	0.01	-69.97	-43	PASS
Band2	9262	0.15~30MHz	26.99	-64.72	-33	PASS
Band2	9262	30~1000MHz	989.96	-49.83	-13	PASS
Band2	9262	1000~30000MHz	6512.9	-40.64	-13	PASS
Band2	9262	3000~20000MHz	6890.1	-37.49	-13	PASS
Band2	9400	0.009~0.15MHz	0.01	-67.23	-43	PASS
Band2	9400	0.15~30MHz	29.25	-66.28	-33	PASS
Band2	9400	30~1000MHz	943.12	-49.37	-13	PASS
Band2	9400	1000~30000MHz	6826.1	-40.59	-13	PASS
Band2	9400	3000~20000MHz	6555.2	-37.34	-13	PASS
Band2	9538	0.009~0.15MHz	0.01	-69.73	-43	PASS
Band2	9538	0.15~30MHz	21.67	-64.4	-33	PASS
Band2	9538	30~1000MHz	954.75	-49.5	-13	PASS
Band2	9538	1000~30000MHz	6823.2	-40.64	-13	PASS
Band2	9538	3000~20000MHz	6528	-37.31	-13	PASS

Band	Channel	Frequency Range (Mhz)	Frequency (dBm)	Result (dBm)	Limit (dBm)	Verdict
Band2	9262	0.009~0.15MHz	0.01	-68.48	-43	PASS
Band2	9262	0.15~30MHz	21.6	-64.31	-33	PASS
Band2	9262	30~1000MHz	979	-49.85	-13	PASS
Band2	9262	1000~30000MHz	6521.6	-40.34	-13	PASS
Band2	9262	3000~20000MHz	6827.2	-37.28	-13	PASS
Band2	9400	0.009~0.15MHz	0.01	-68.14	-43	PASS
Band2	9400	0.15~30MHz	27.6	-65.32	-33	PASS
Band2	9400	30~1000MHz	980.07	-49.83	-13	PASS
Band2	9400	1000~30000MHz	6858	-40.54	-13	PASS
Band2	9400	3000~20000MHz	6577.3	-37.55	-13	PASS
Band2	9538	0.009~0.15MHz	0.01	-67.38	-43	PASS
Band2	9538	0.15~30MHz	25.03	-64.46	-33	PASS
Band2	9538	30~1000MHz	973.67	-49.86	-13	PASS
Band2	9538	1000~30000MHz	6684	-40.68	-13	PASS
Band2	9538	3000~20000MHz	6859.5	-37.49	-13	PASS

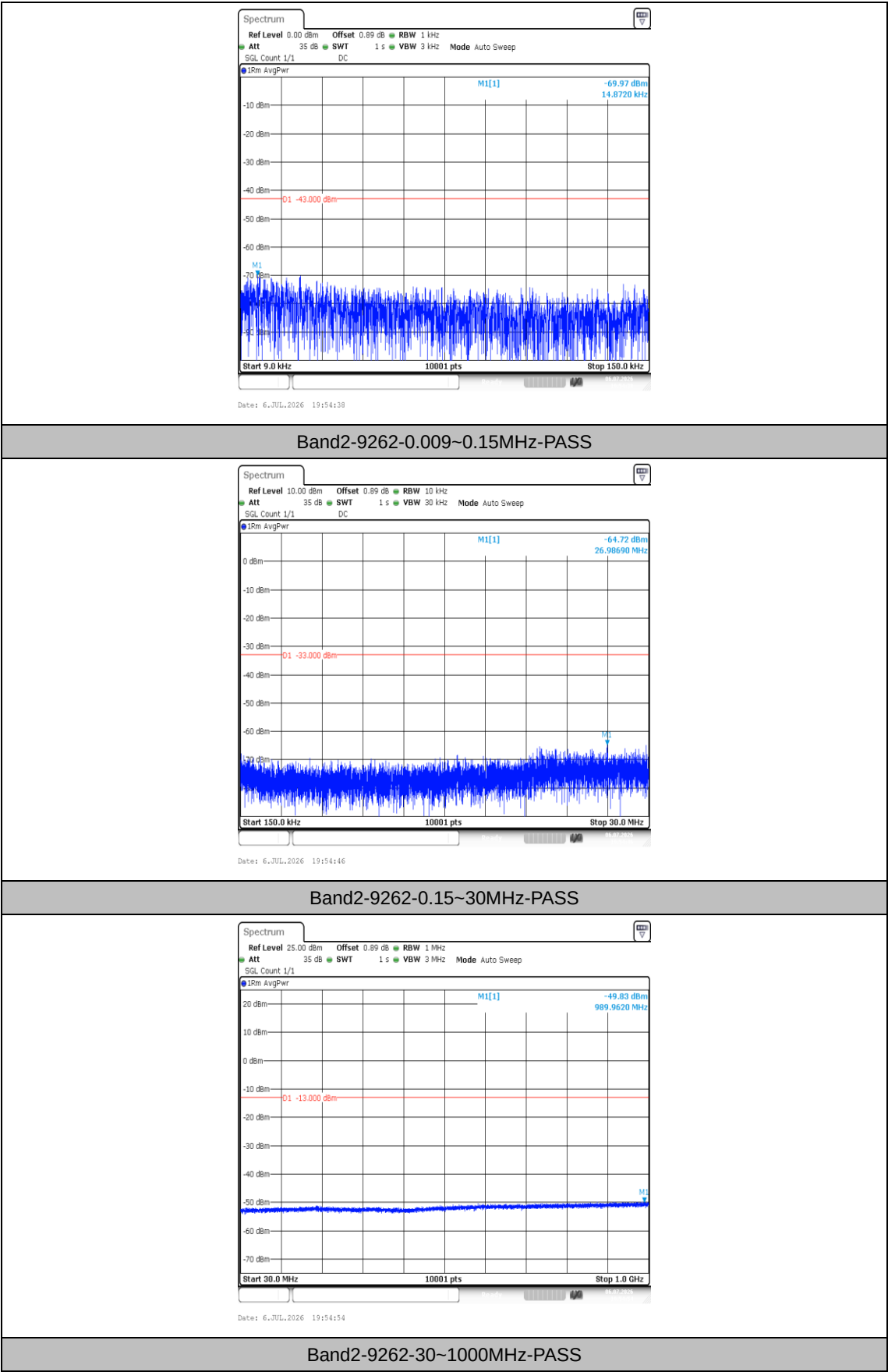
Band	Channel	Frequency Range (Mhz)	Frequency (dBm)	Result (dBm)	Limit (dBm)	Verdict
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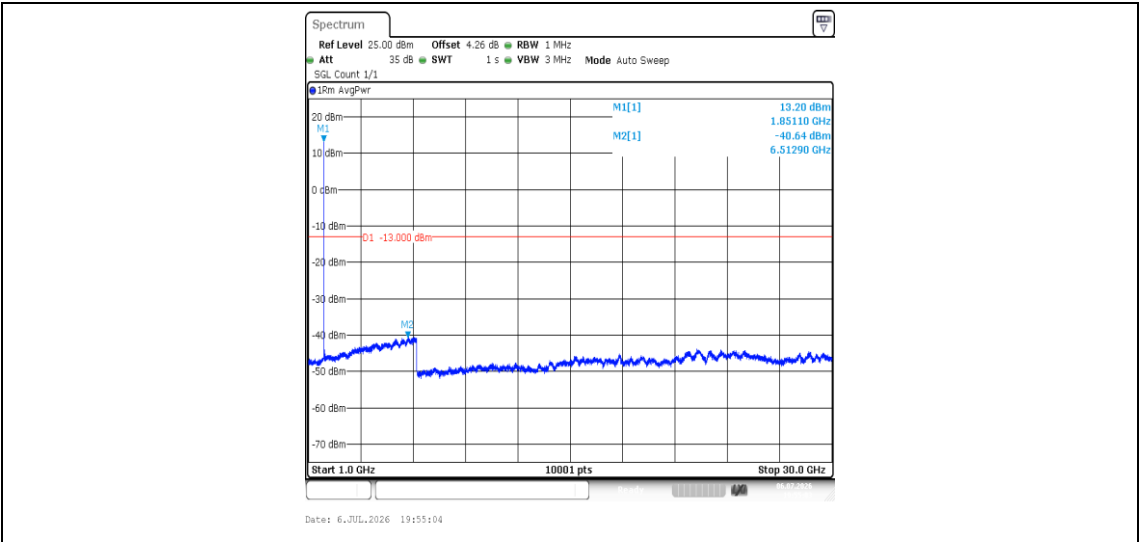
Waltek Testing Group (Shenzhen) Co., Ltd.

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

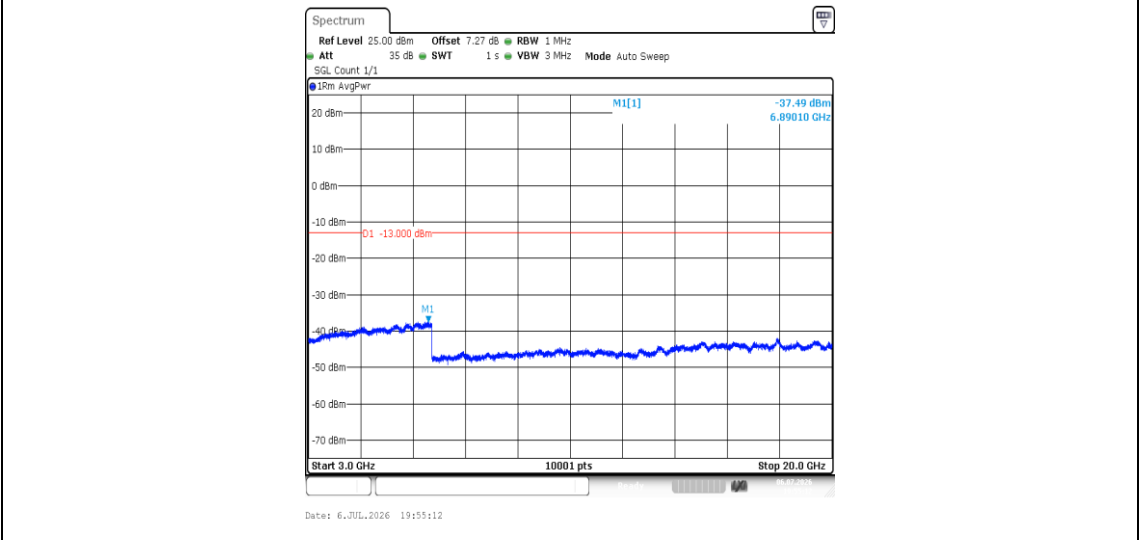
Band2	9262	0.009~0.15MHz	0.01	-68	-43	PASS
Band2	9262	0.15~30MHz	28.7	-65.14	-33	PASS
Band2	9262	30~1000MHz	951.46	-49.78	-13	PASS
Band2	9262	1000~30000MHz	6782.6	-40.5	-13	PASS
Band2	9262	3000~20000MHz	6800	-37.32	-13	PASS
Band2	9400	0.009~0.15MHz	0.01	-65.94	-43	PASS
Band2	9400	0.15~30MHz	22.69	-65.97	-33	PASS
Band2	9400	30~1000MHz	989.67	-49.81	-13	PASS
Band2	9400	1000~30000MHz	6495.5	-40.62	-13	PASS
Band2	9400	3000~20000MHz	6205	-37.48	-13	PASS
Band2	9538	0.009~0.15MHz	0.01	-69.15	-43	PASS
Band2	9538	0.15~30MHz	24.41	-63.77	-33	PASS
Band2	9538	30~1000MHz	978.61	-49.56	-13	PASS
Band2	9538	1000~30000MHz	6800	-40.65	-13	PASS
Band2	9538	3000~20000MHz	6856.1	-37.58	-13	PASS

Test Graphs

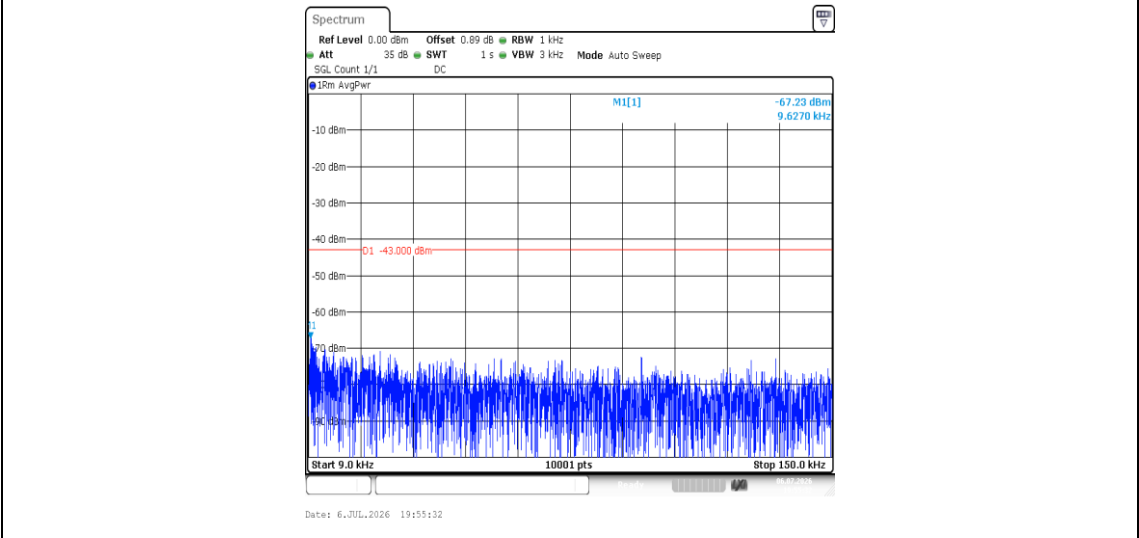




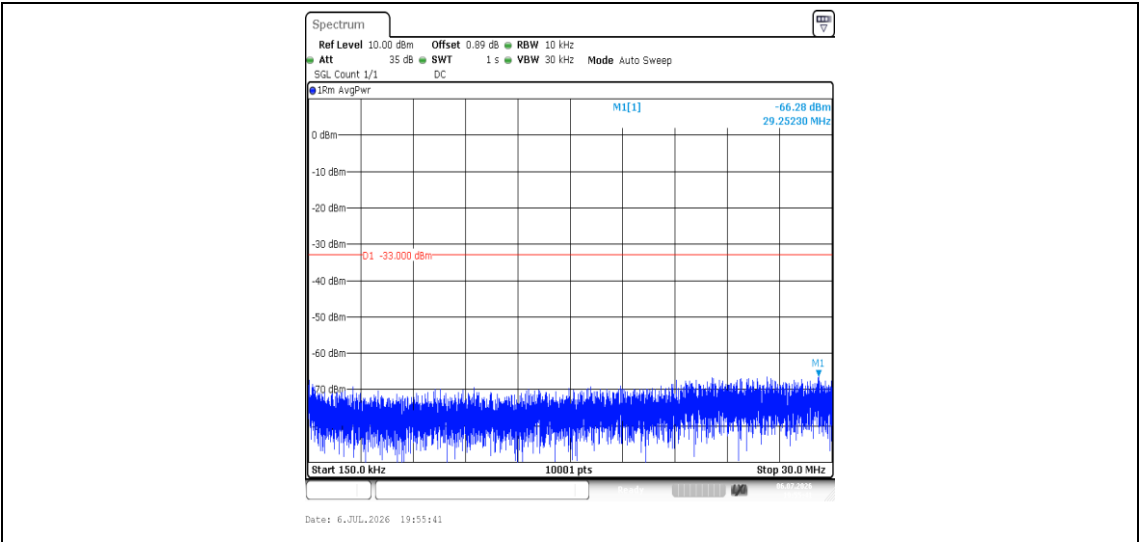
Band2-9262-1000~30000MHz-PASS



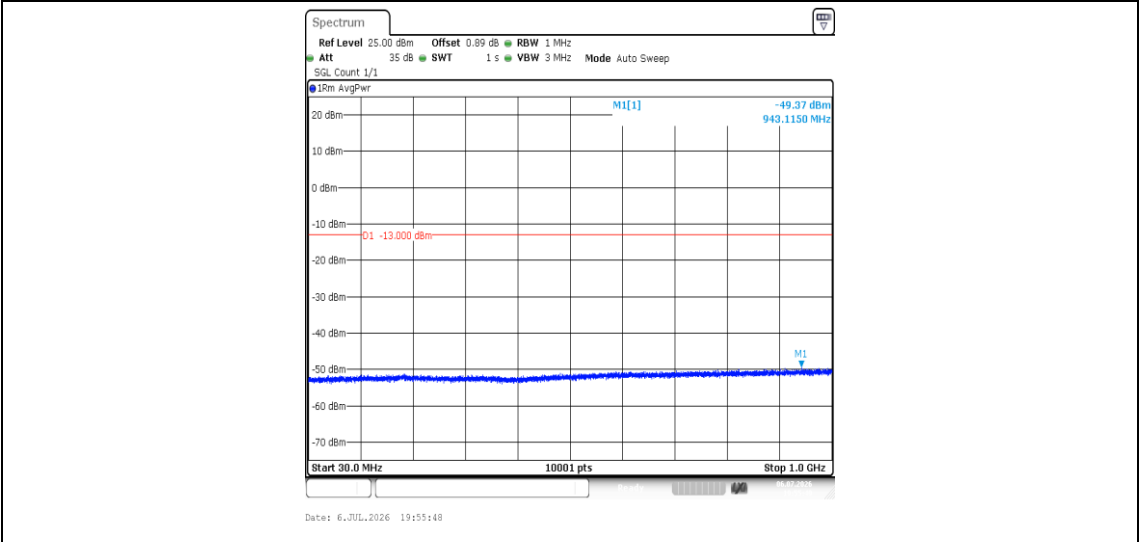
Band2-9262-3000~20000MHz-PASS



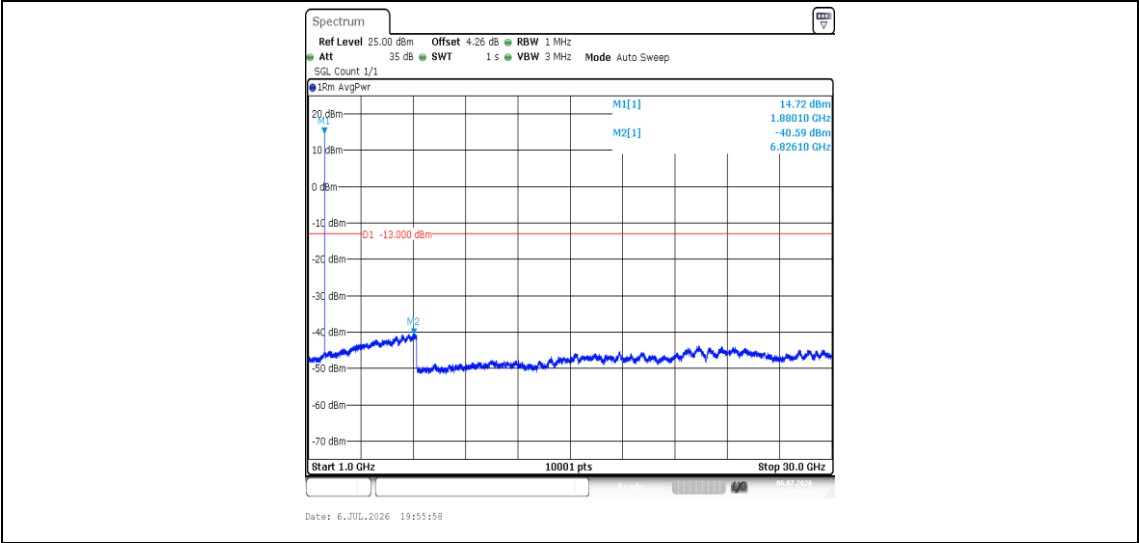
Band2-9400-0.009~0.15MHz-PASS



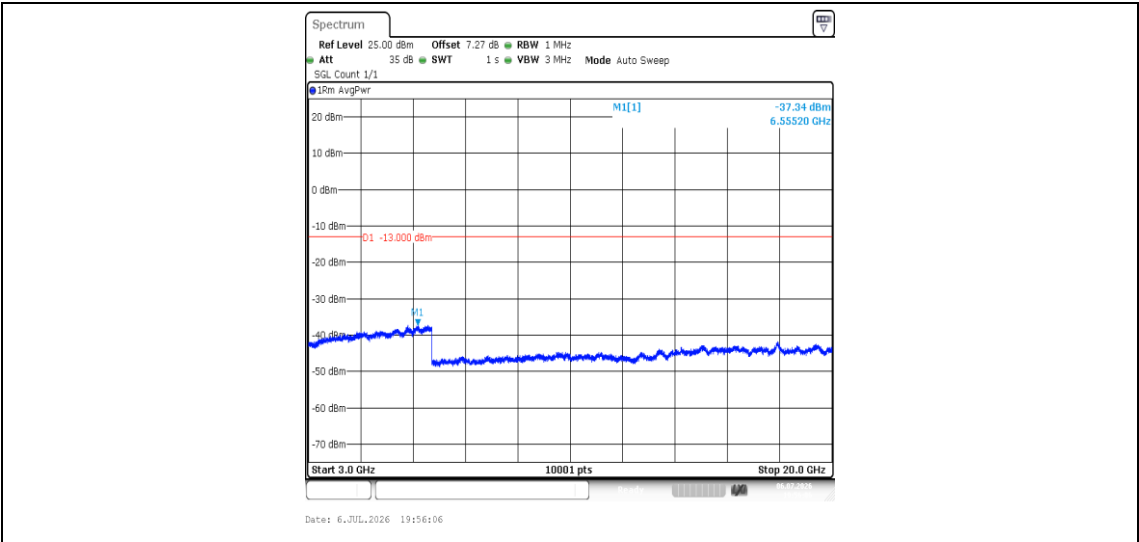
Band2-9400-0.15~30MHz-PASS



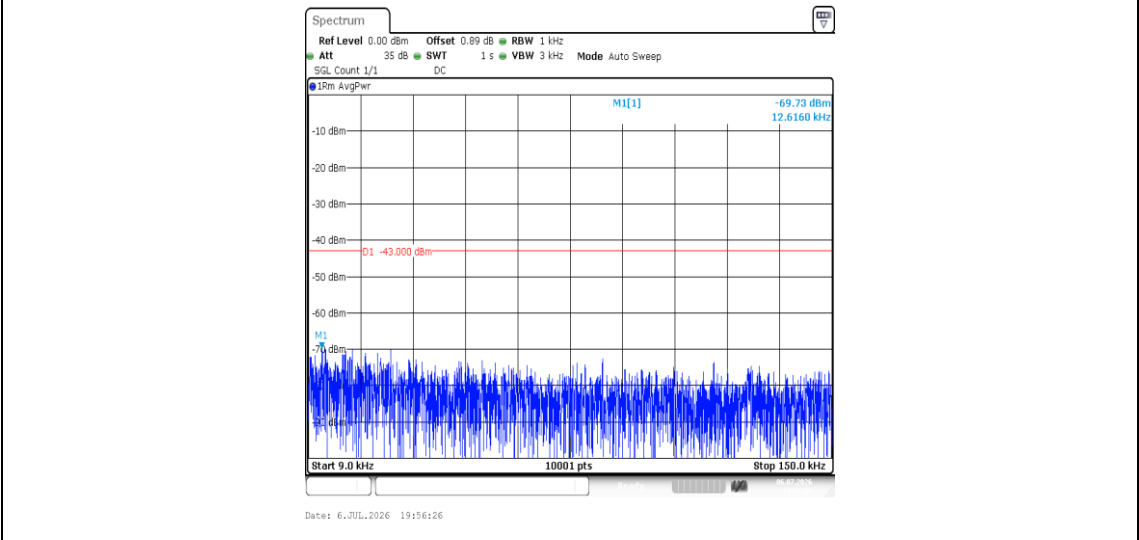
Band2-9400-30~1000MHz-PASS



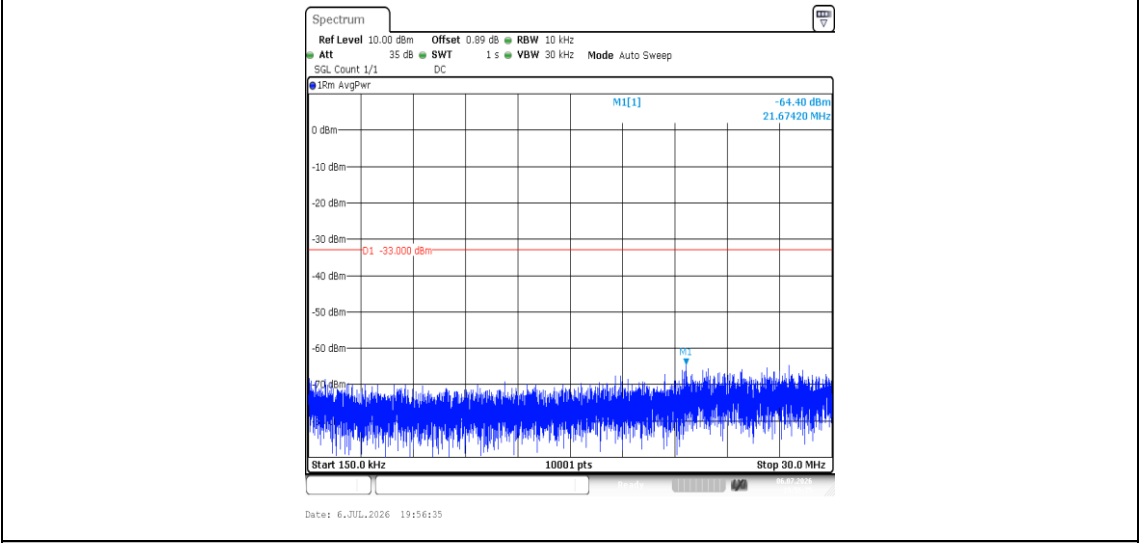
Band2-9400-1000~30000MHz-PASS



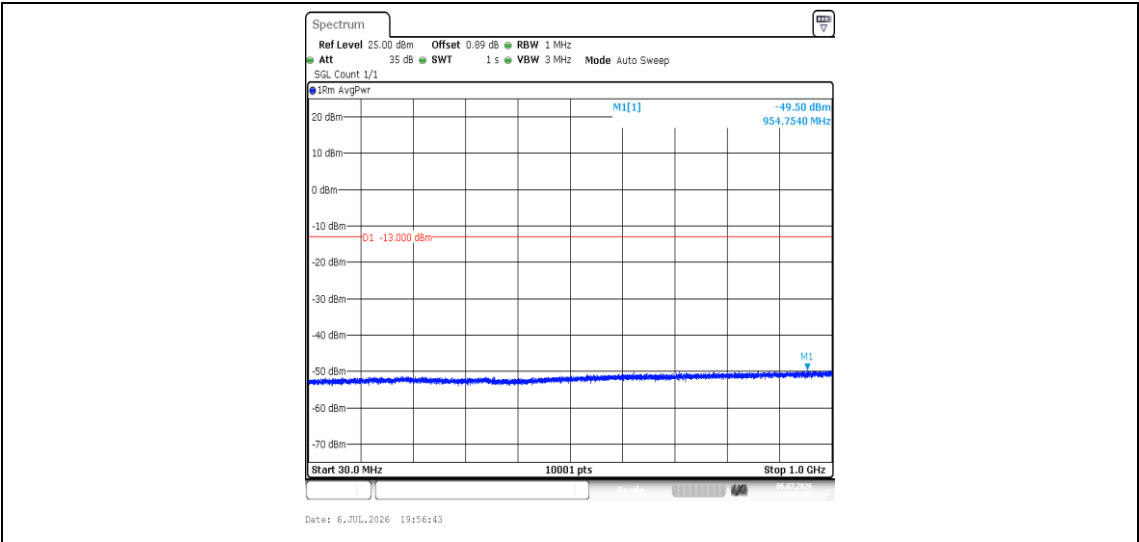
Band2-9400-3000~20000MHz-PASS



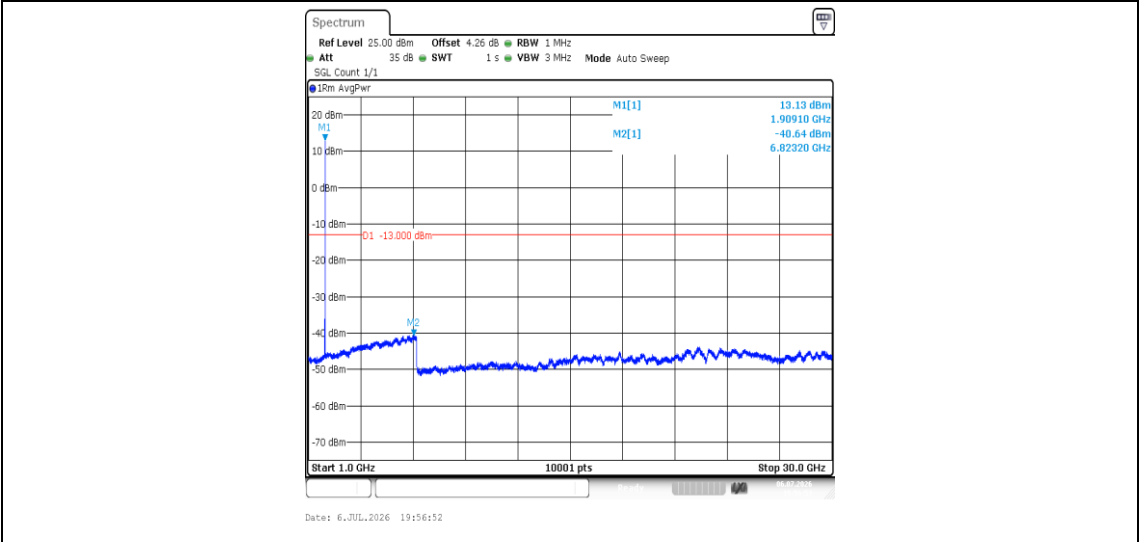
Band2-9538-0.009~0.15MHz-PASS



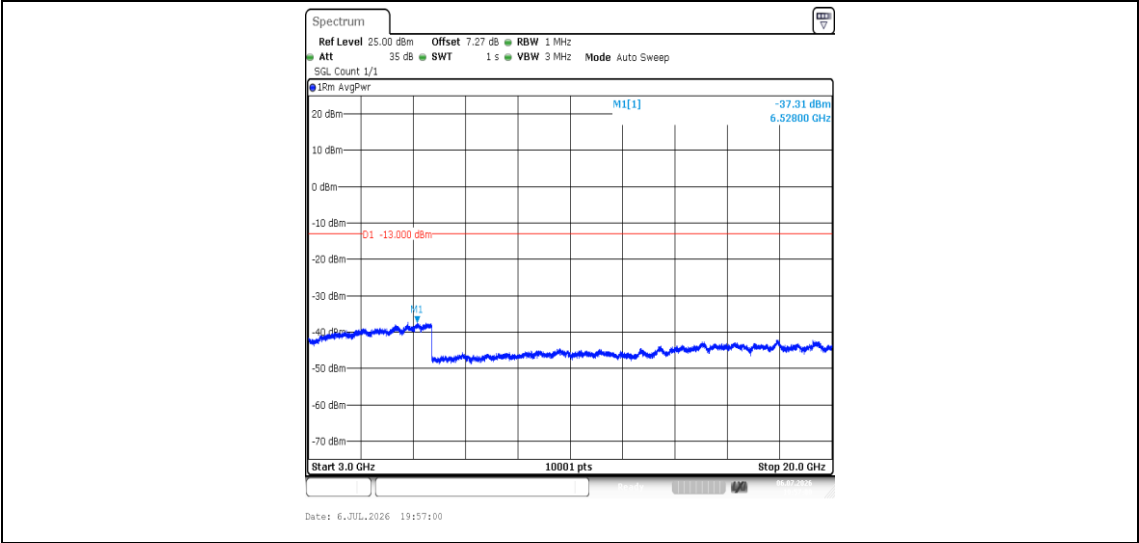
Band2-9538-0.15~30MHz-PASS



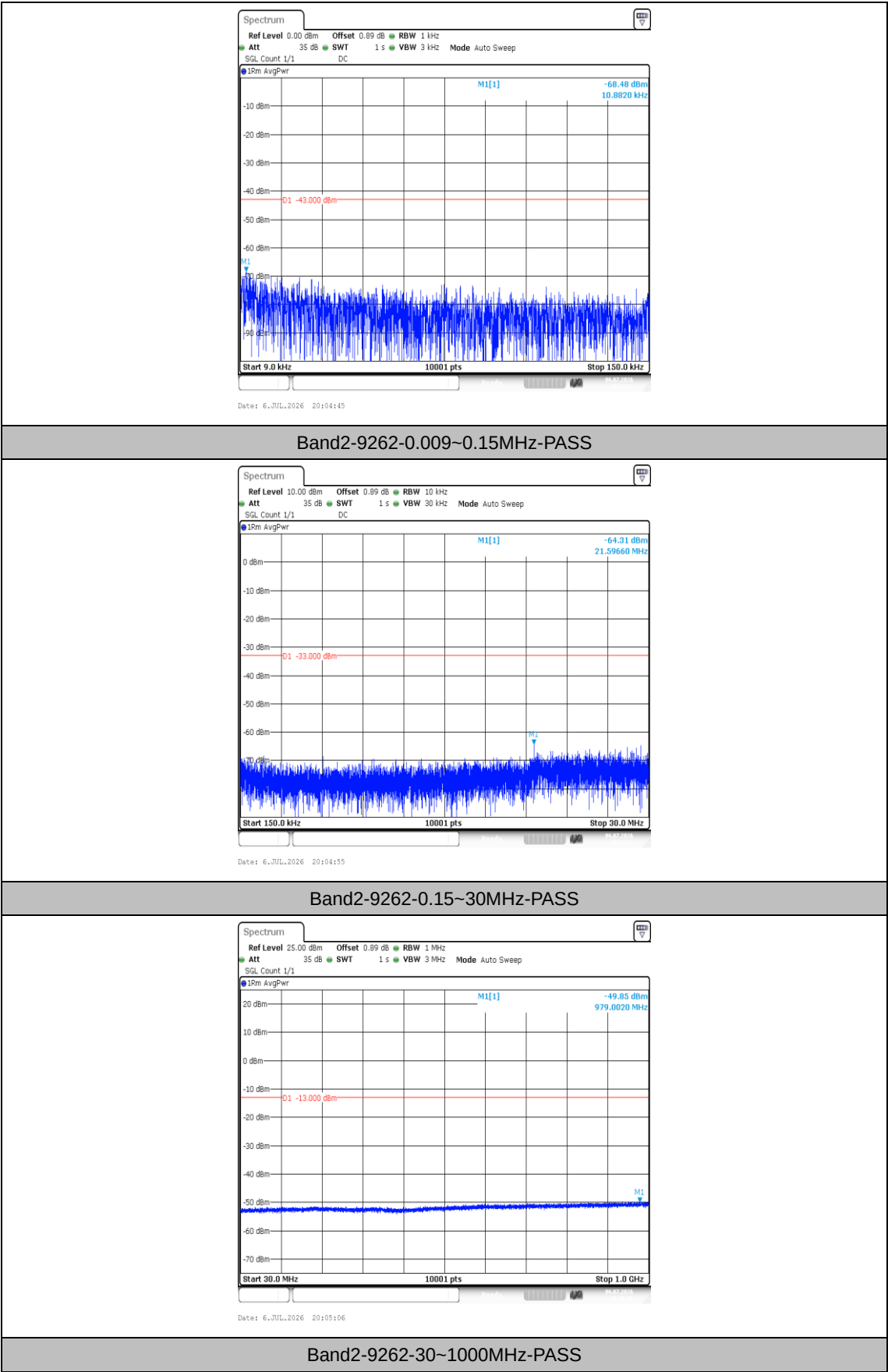
Band2-9538-30~1000MHz-PASS

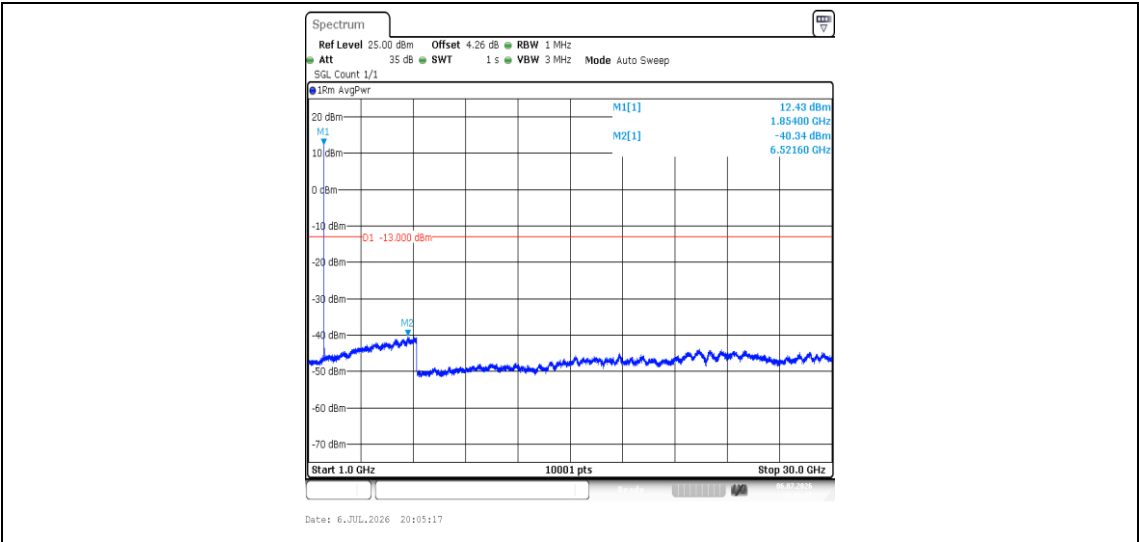


Band2-9538-1000~30000MHz-PASS

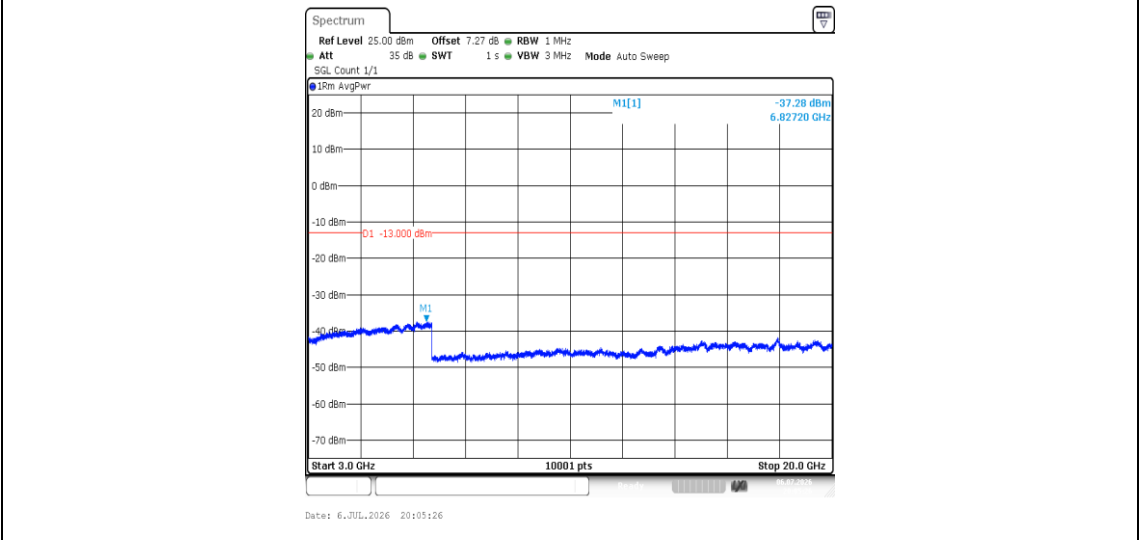


Band2-9538-3000~20000MHz-PASS

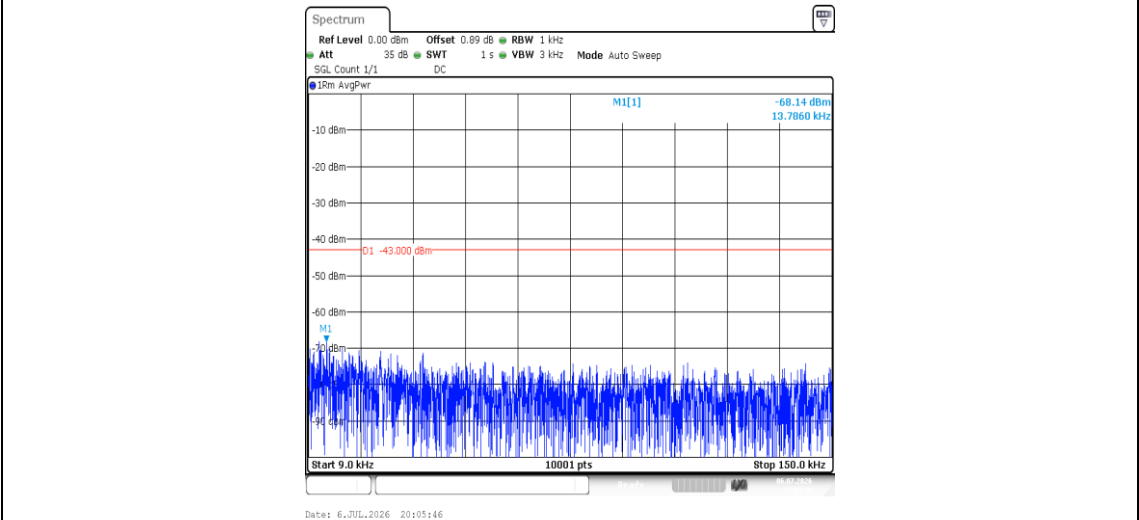




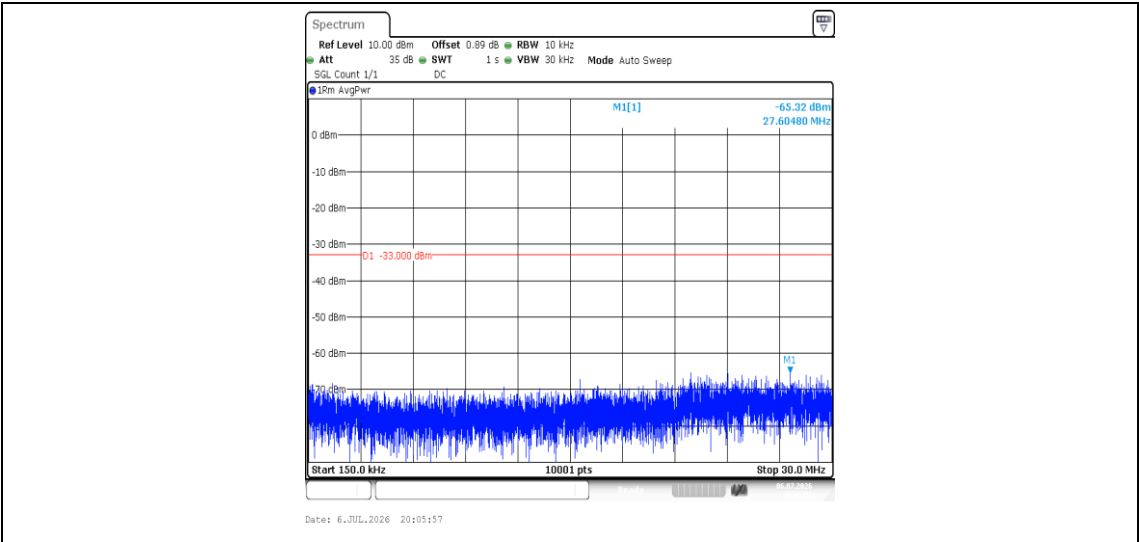
Band2-9262-1000~30000MHz-PASS



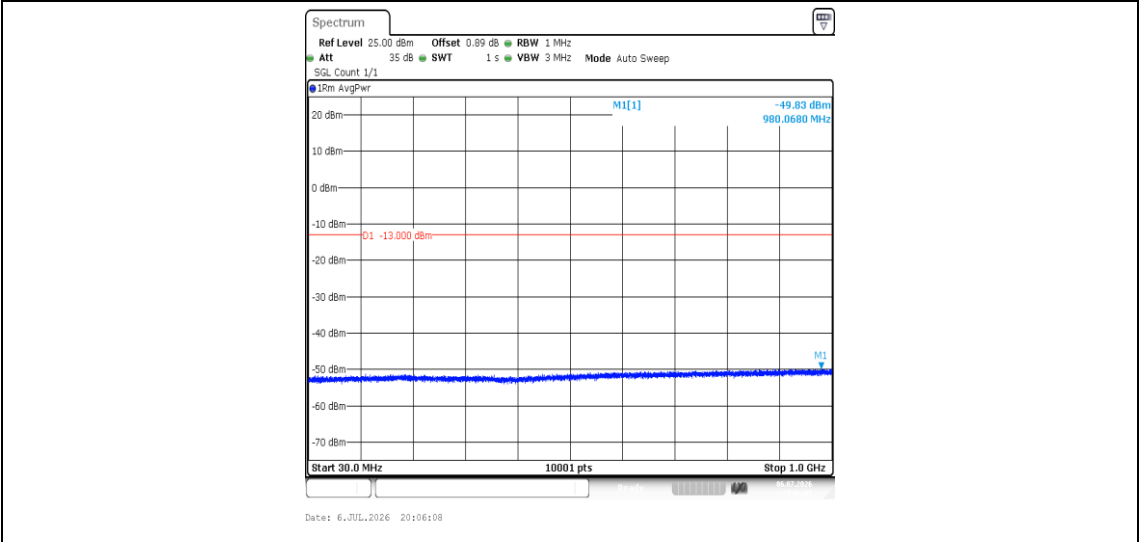
Band2-9262-3000~20000MHz-PASS



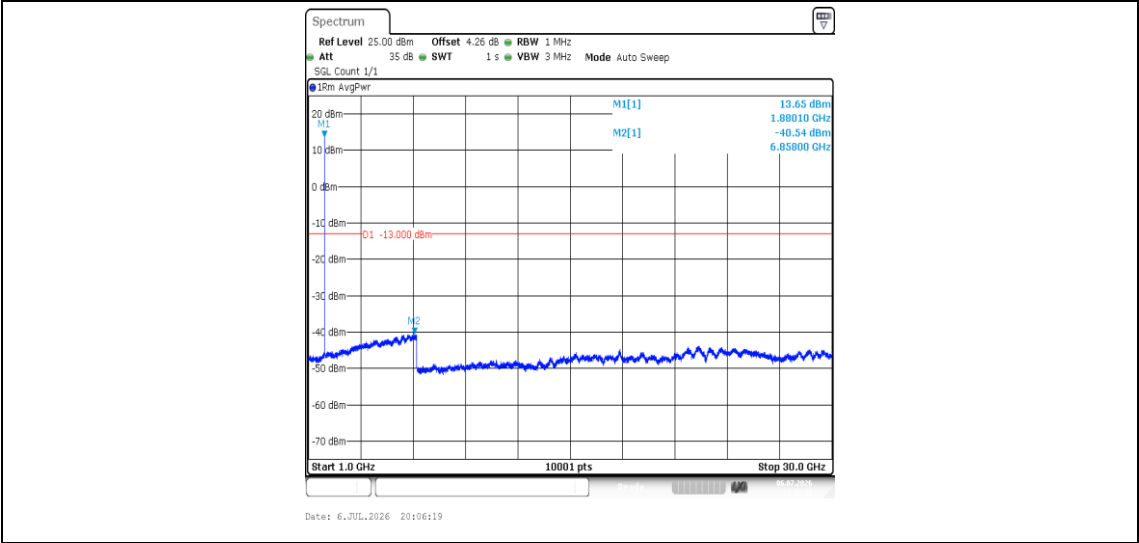
Band2-9400-0.009~0.15MHz-PASS



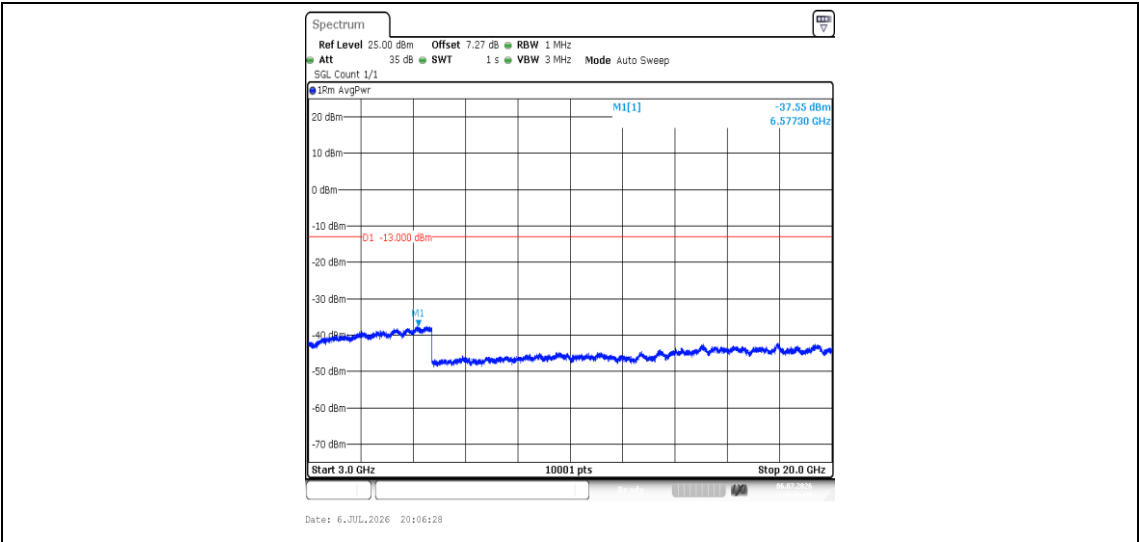
Band2-9400-0.15~30MHz-PASS



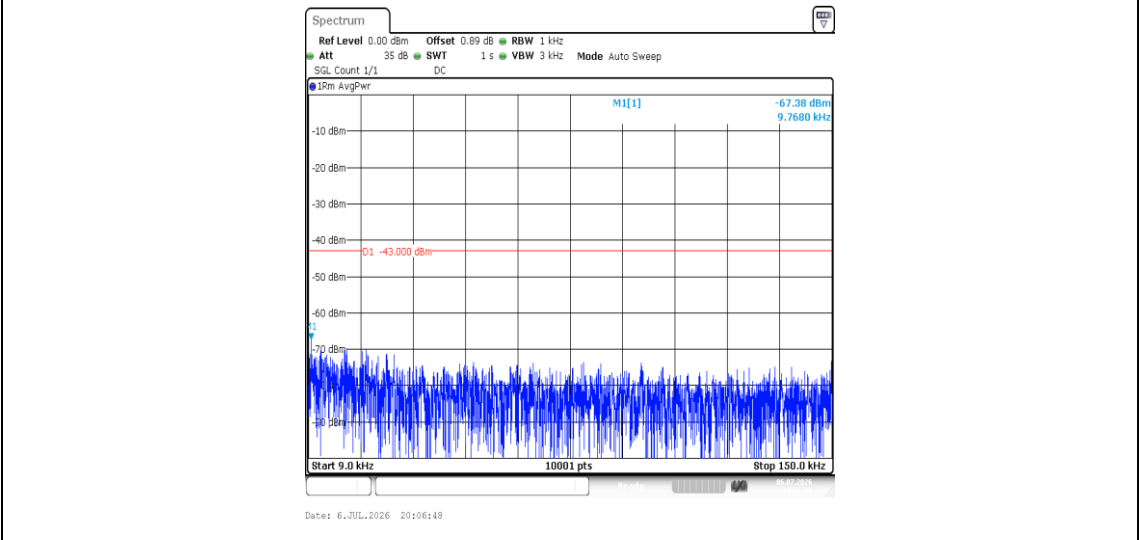
Band2-9400-30~1000MHz-PASS



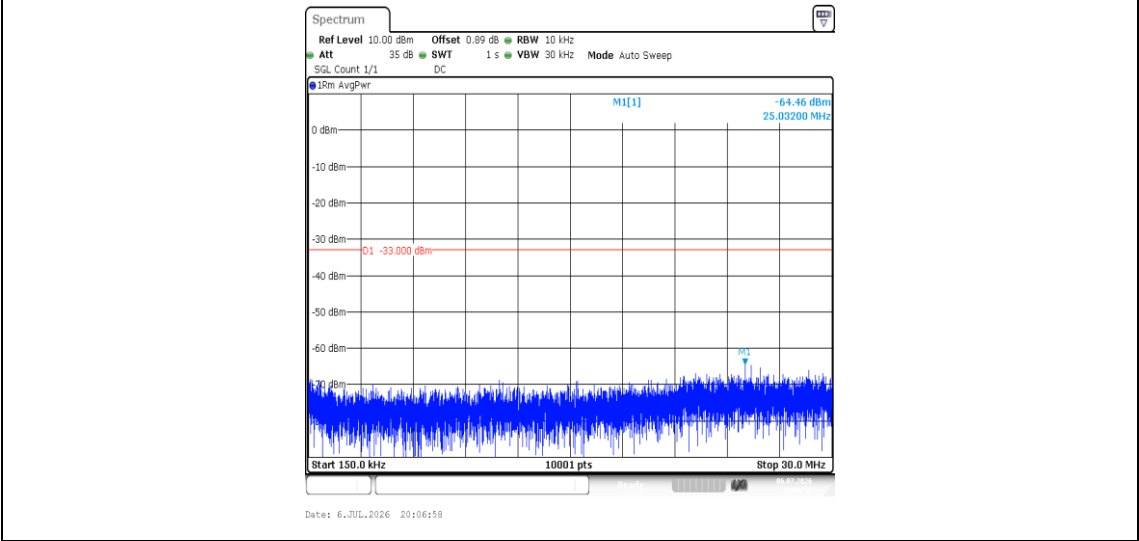
Band2-9400-1000~30000MHz-PASS



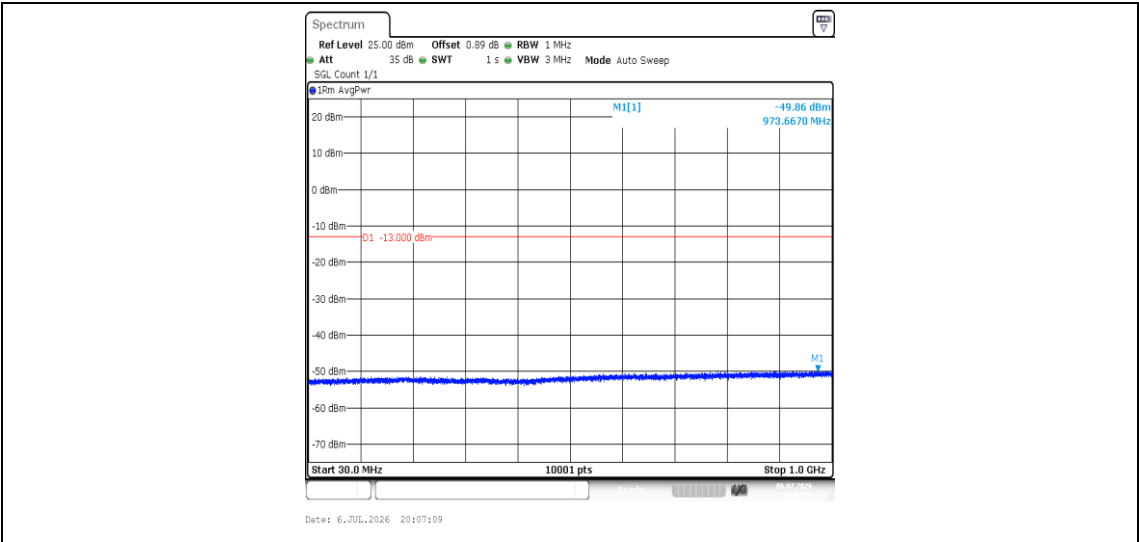
Band2-9400-3000~20000MHz-PASS



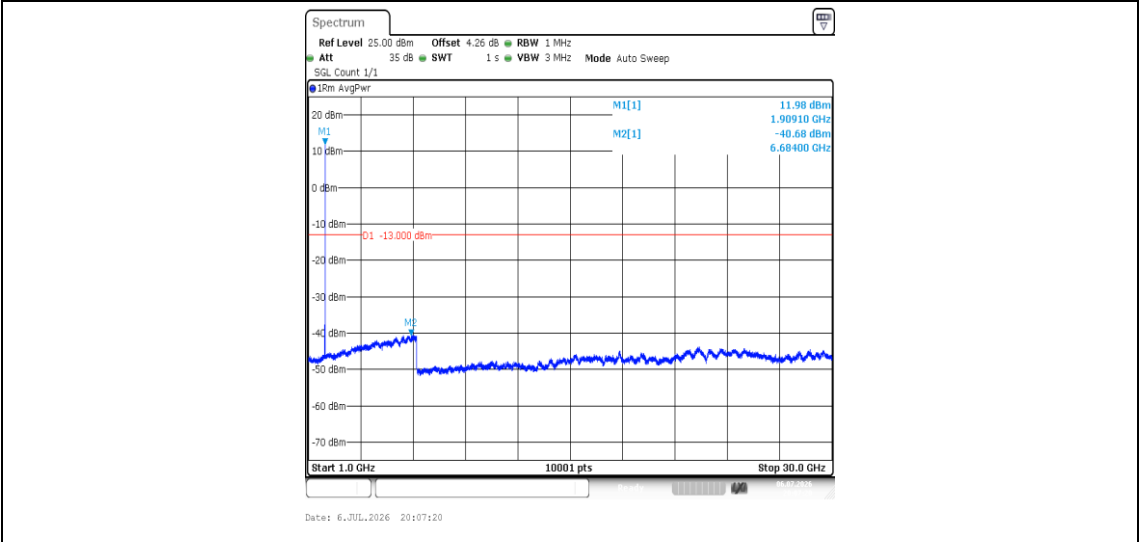
Band2-9538-0.009~0.15MHz-PASS



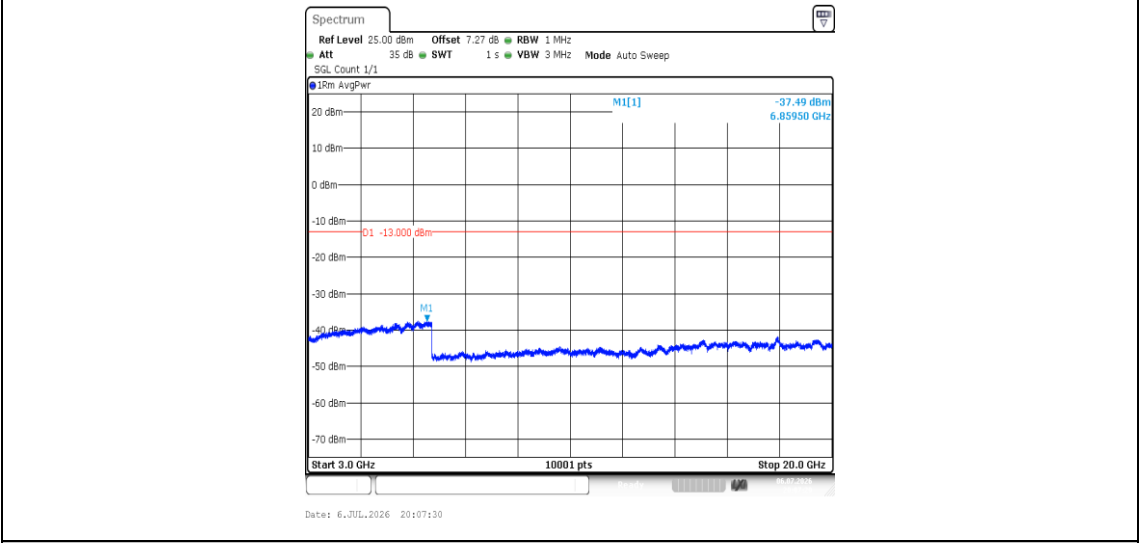
Band2-9538-0.15~30MHz-PASS



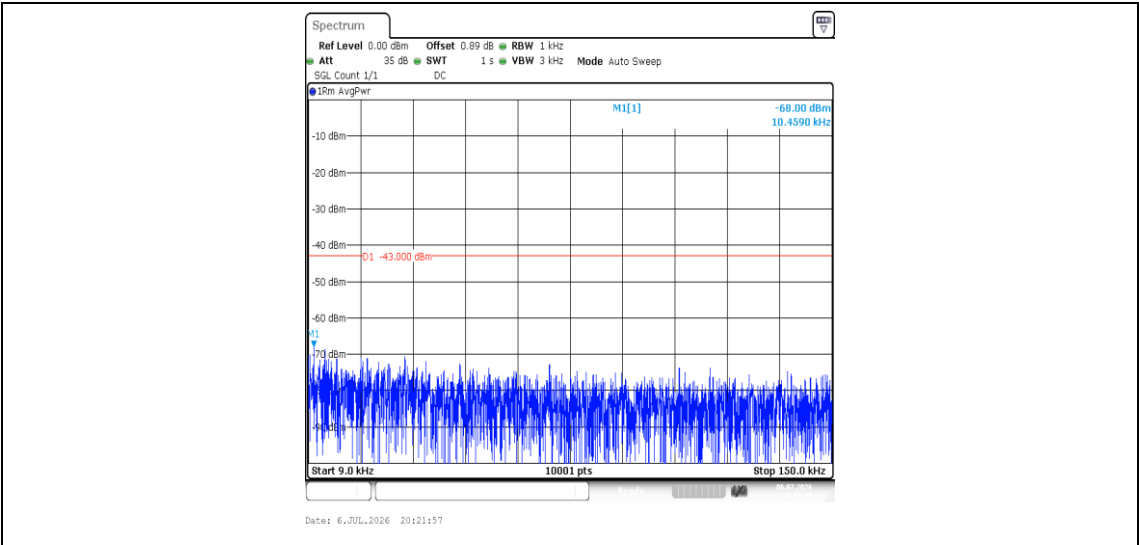
Band2-9538-30~1000MHz-PASS



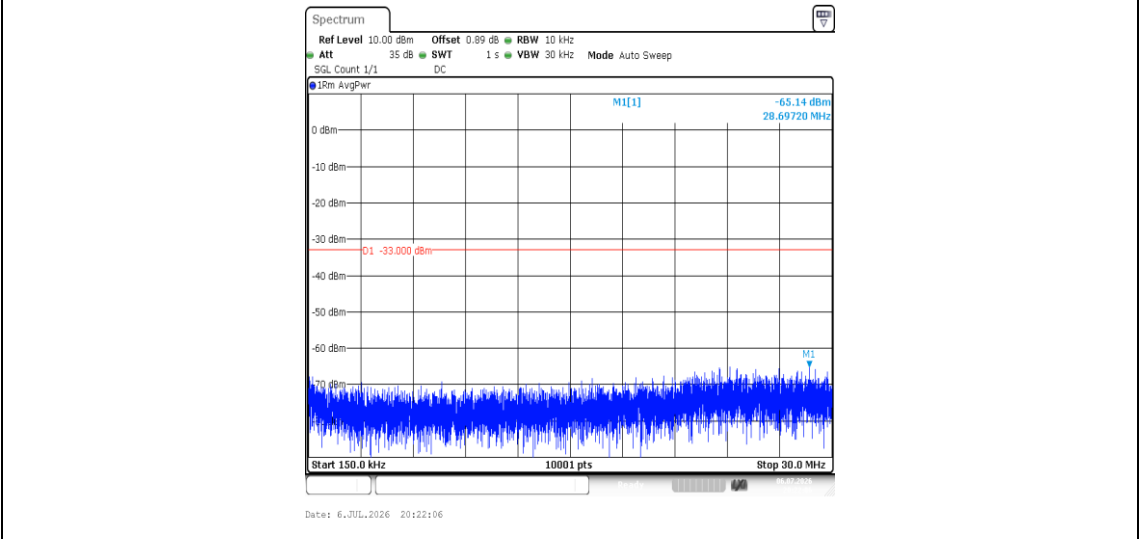
Band2-9538-1000~30000MHz-PASS



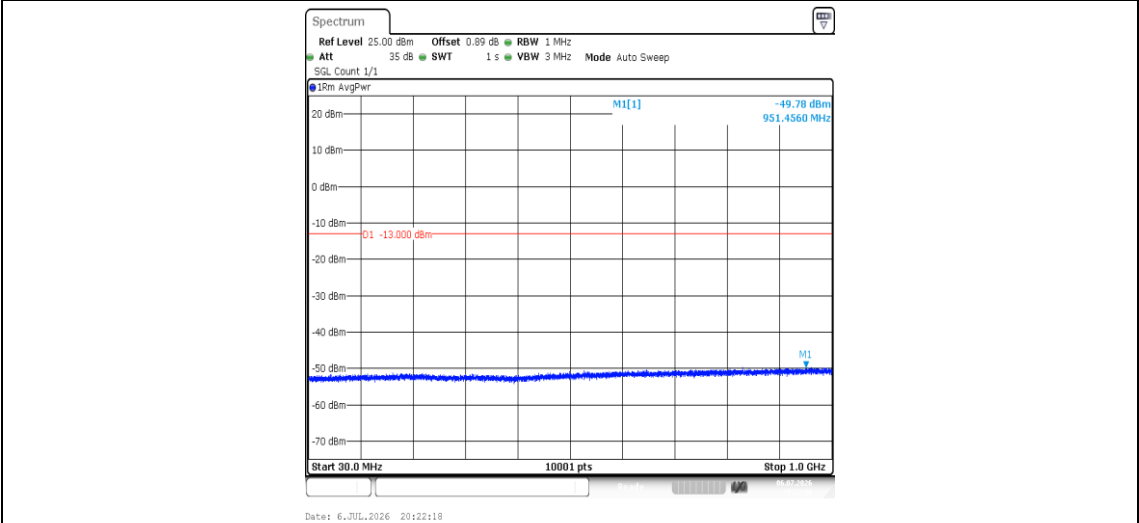
Band2-9538-3000~20000MHz-PASS



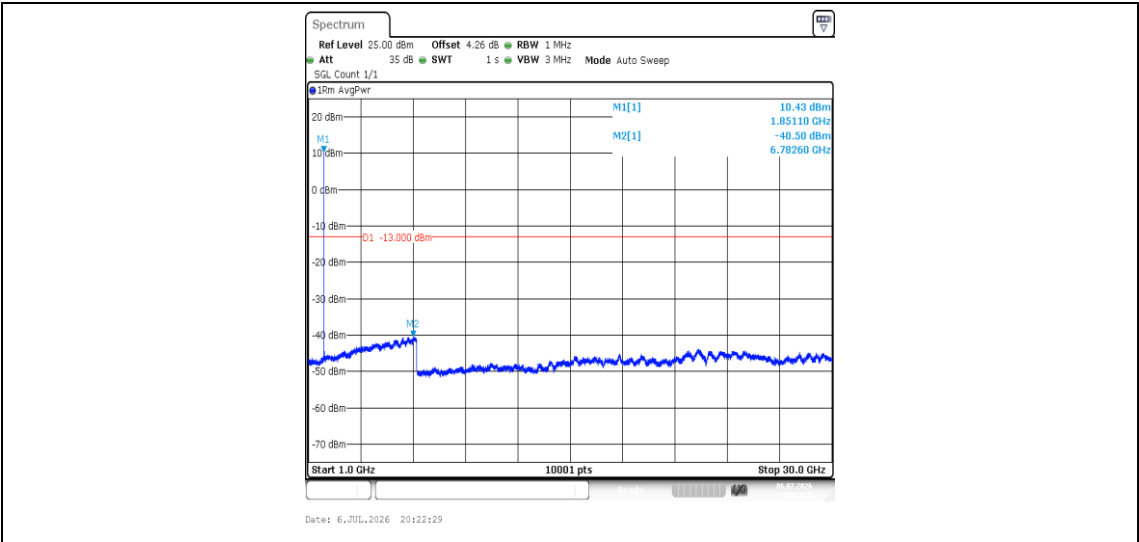
Band2-9262-0.009~0.15MHz-PASS



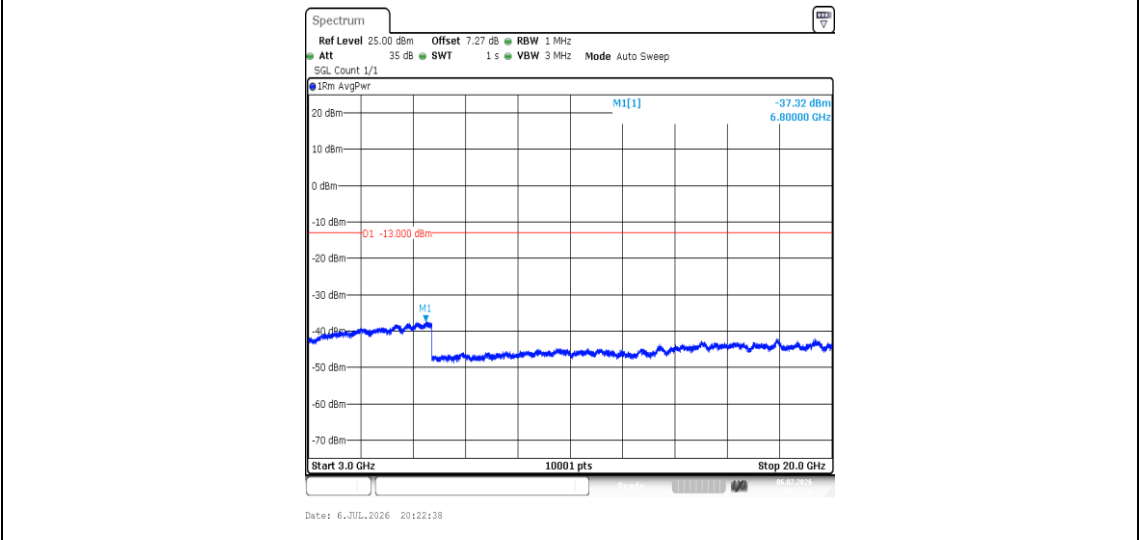
Band2-9262-0.15~30MHz-PASS



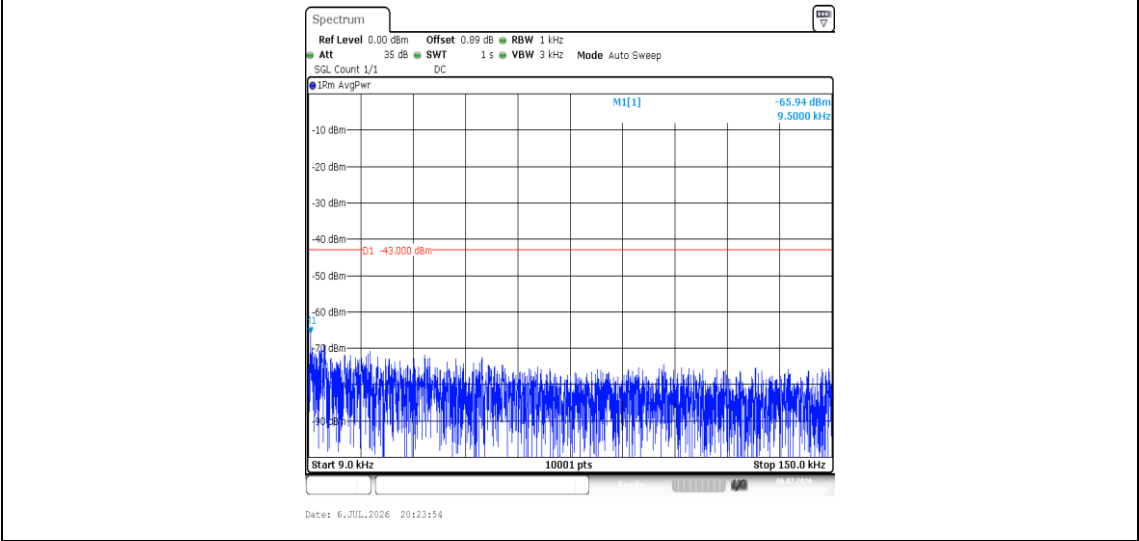
Band2-9262-30~1000MHz-PASS



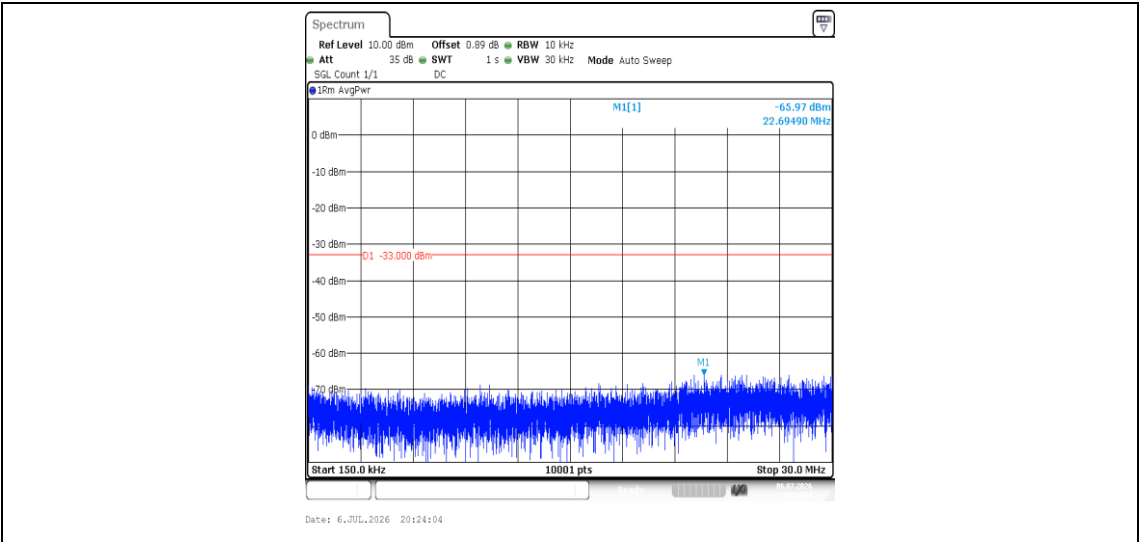
Band2-9262-1000~30000MHz-PASS



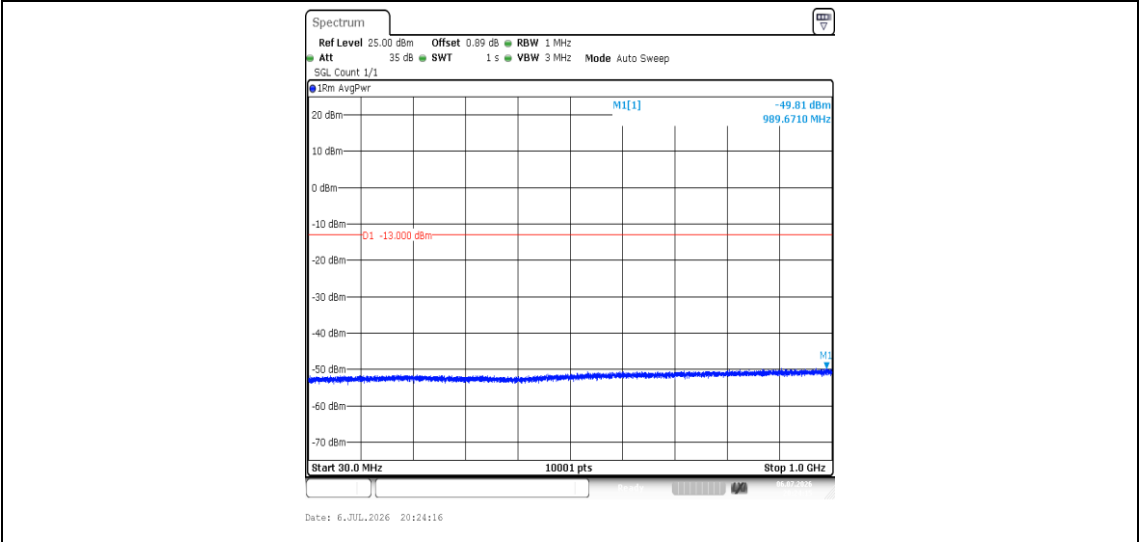
Band2-9262-3000~20000MHz-PASS



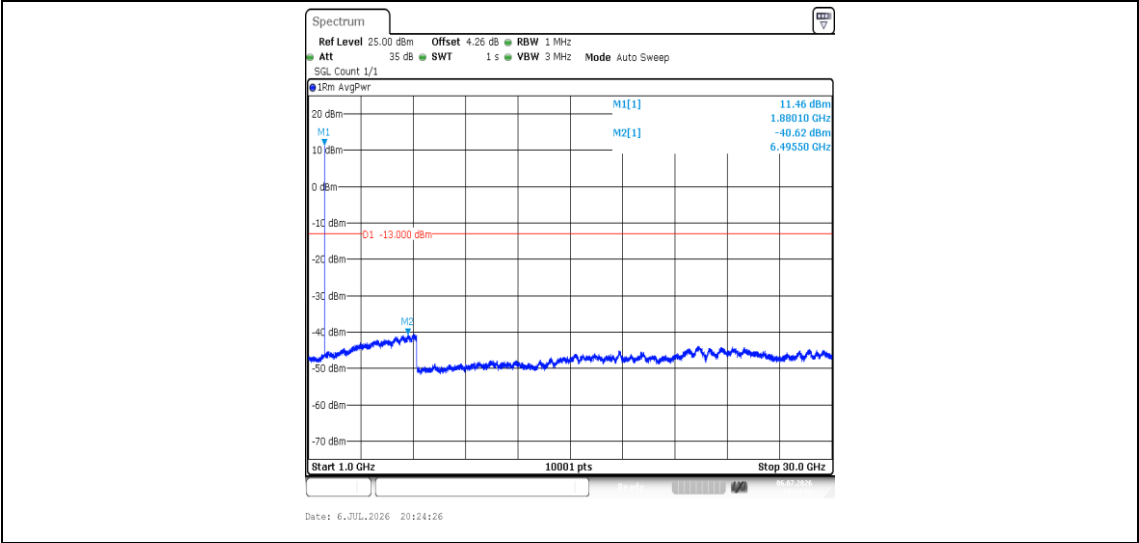
Band2-9400-0.009~0.15MHz-PASS



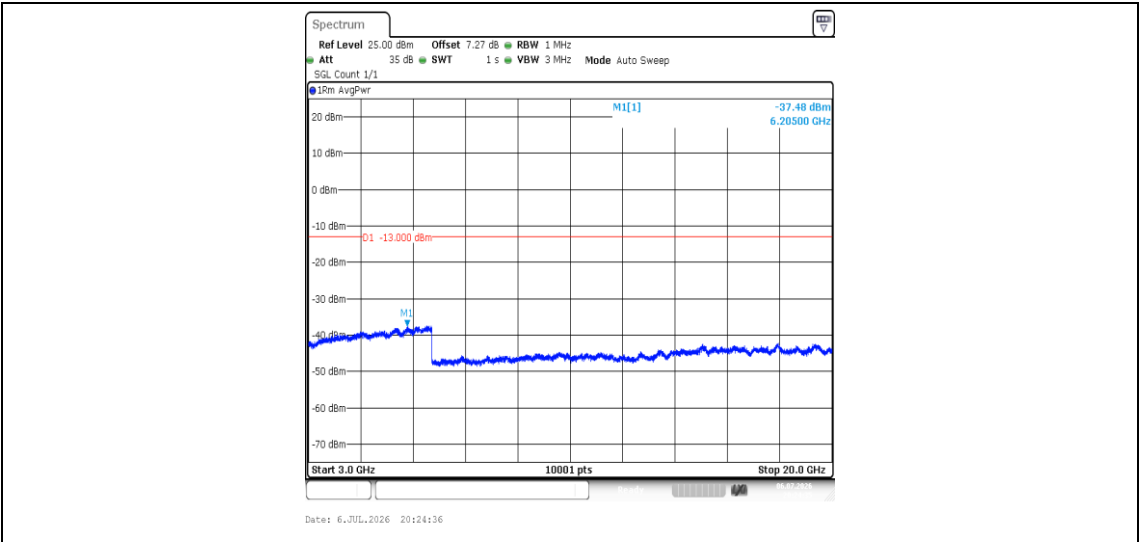
Band2-9400-0.15~30MHz-PASS



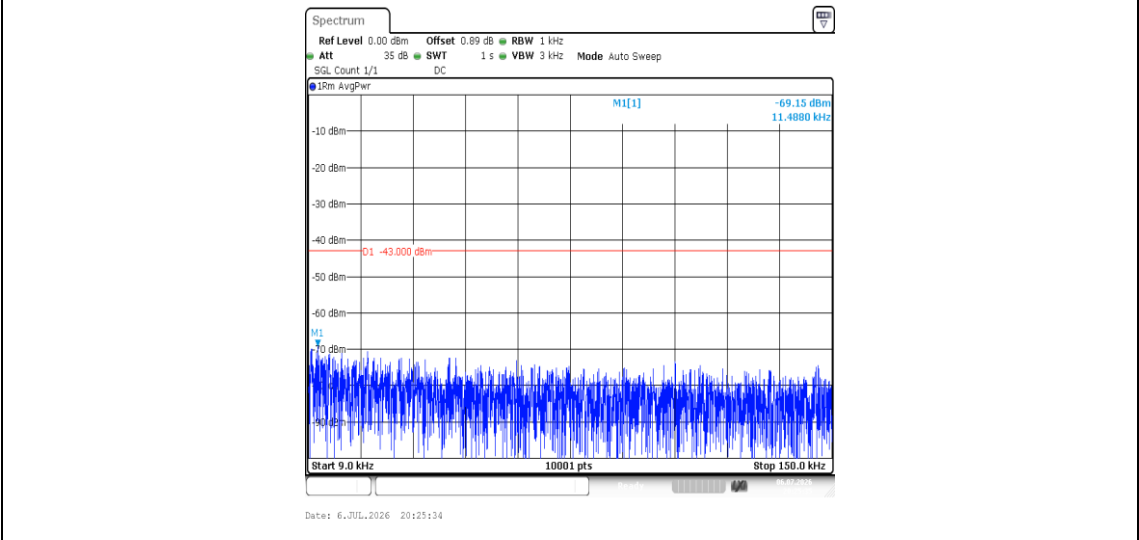
Band2-9400-30~1000MHz-PASS



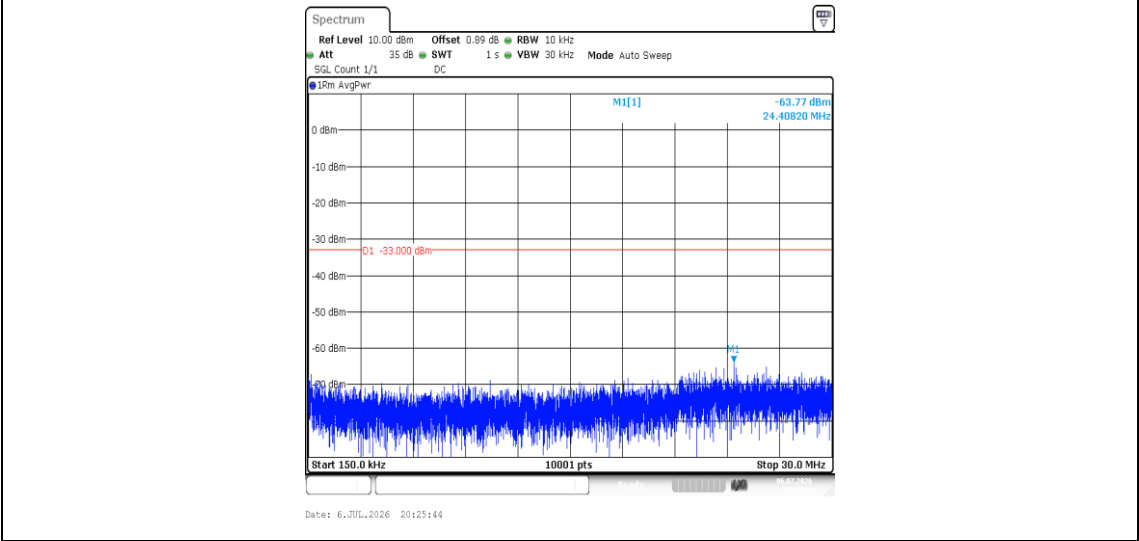
Band2-9400-1000~30000MHz-PASS



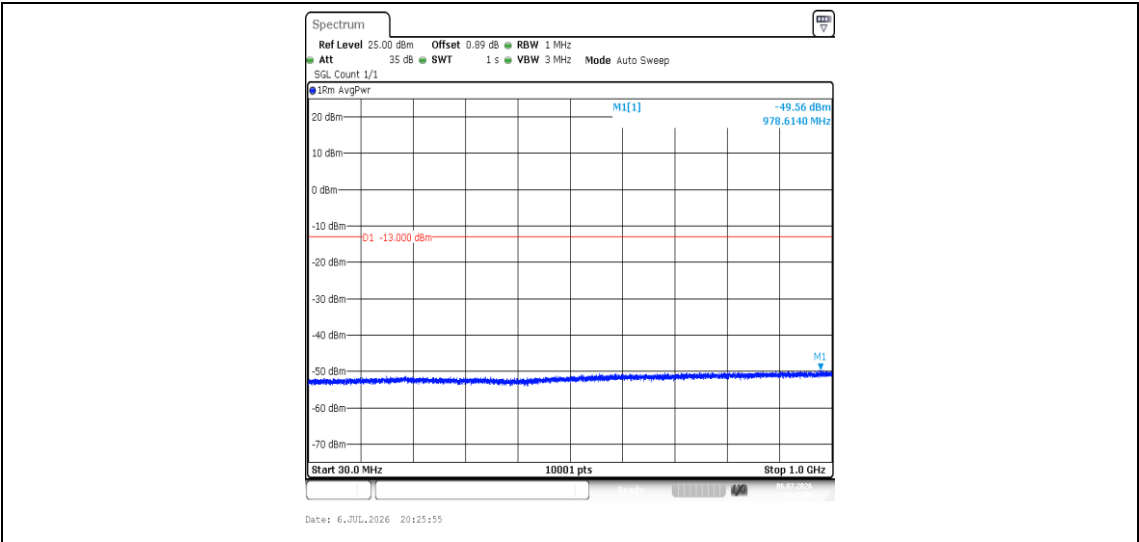
Band2-9400-3000~20000MHz-PASS



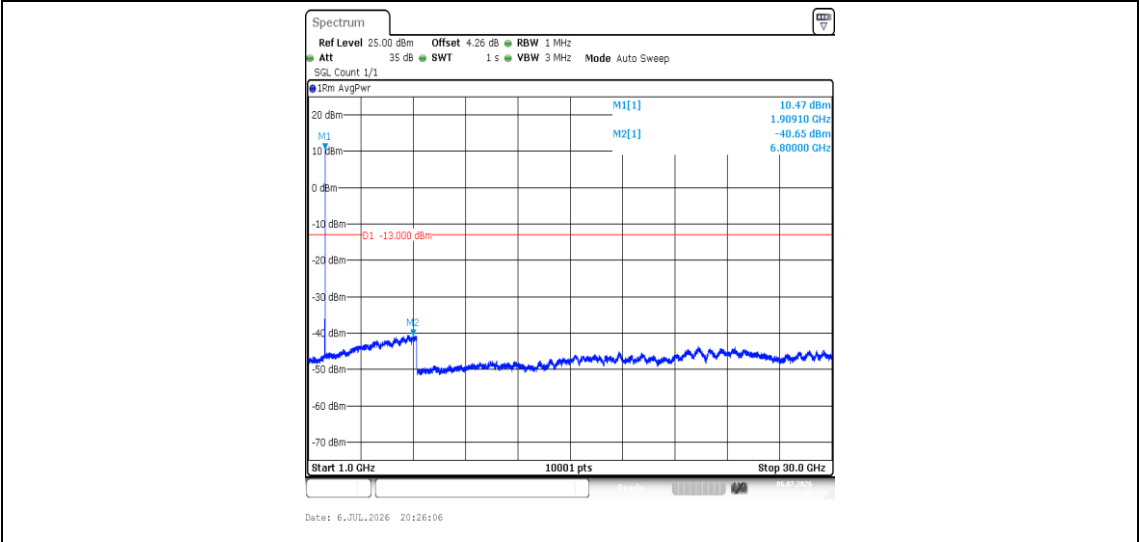
Band2-9538-0.009~0.15MHz-PASS



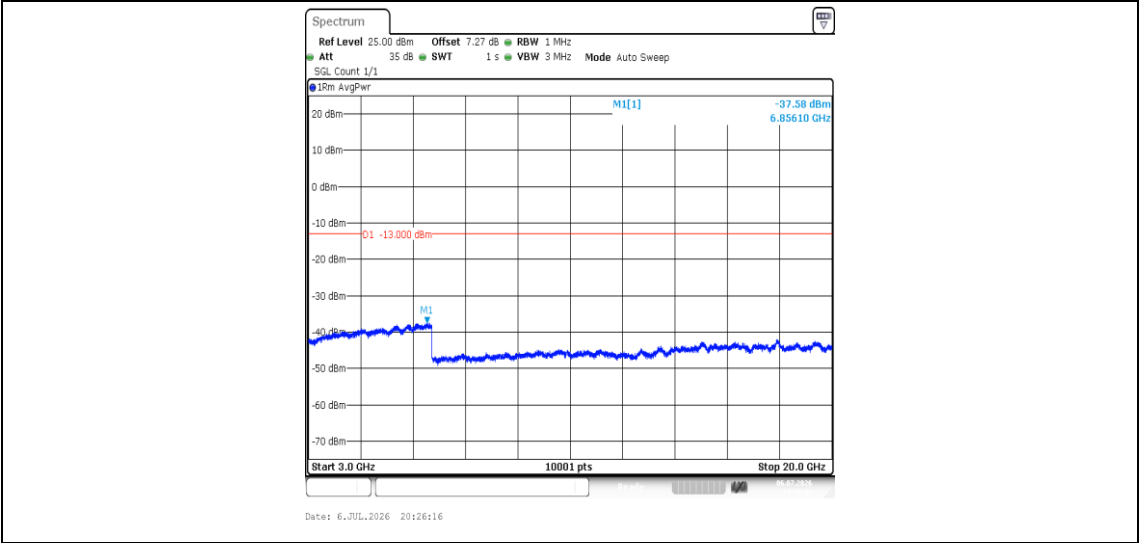
Band2-9538-0.15~30MHz-PASS



Band2-9538-30~1000MHz-PASS



Band2-9538-1000~30000MHz-PASS



Band2-9538-3000~20000MHz-PASS

Appendix F: Frequency Stability

Test Result

Voltage							
Band	Channel	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band2	9262	VN	NT	-12.18	-0.006575	±2	PASS
Band2	9262	VL	NT	-5.20	-0.002807	±2	PASS
Band2	9262	VH	NT	-3.70	-0.001997	±2	PASS
Band2	9400	VN	NT	-3.25	-0.001729	±2	PASS
Band2	9400	VL	NT	-5.35	-0.002846	±2	PASS
Band2	9400	VH	NT	0.09	0.000048	±2	PASS
Band2	9538	VN	NT	-2.85	-0.001494	±2	PASS
Band2	9538	VL	NT	-3.43	-0.001798	±2	PASS
Band2	9538	VH	NT	-1.46	-0.000765	±2	PASS

Temperature							
Band	Channel	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band2	9262	NV	-30	-3.45	-0.001862	±2	PASS
Band2	9262	NV	-20	-1.86	-0.001004	±2	PASS
Band2	9262	NV	-10	-0.21	-0.000113	±2	PASS
Band2	9262	NV	0	-2.68	-0.001447	±2	PASS
Band2	9262	NV	10	0.10	0.000054	±2	PASS
Band2	9262	NV	20	-2.02	-0.001090	±2	PASS
Band2	9262	NV	30	-4.11	-0.002219	±2	PASS
Band2	9262	NV	40	0.03	0.000016	±2	PASS
Band2	9262	NV	50	-1.60	-0.000864	±2	PASS
Band2	9400	NV	-30	-1.27	-0.000676	±2	PASS
Band2	9400	NV	-20	-1.88	-0.001000	±2	PASS
Band2	9400	NV	-10	-2.86	-0.001521	±2	PASS
Band2	9400	NV	0	-3.78	-0.002011	±2	PASS
Band2	9400	NV	10	-1.34	-0.000713	±2	PASS
Band2	9400	NV	20	0.64	0.000340	±2	PASS
Band2	9400	NV	30	-0.77	-0.000410	±2	PASS
Band2	9400	NV	40	-1.17	-0.000622	±2	PASS
Band2	9400	NV	50	-1.79	-0.000952	±2	PASS
Band2	9538	NV	-30	-3.13	-0.001641	±2	PASS
Band2	9538	NV	-20	-4.12	-0.002160	±2	PASS
Band2	9538	NV	-10	-1.22	-0.000640	±2	PASS

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Band2	9538	NV	0	-0.04	-0.000021	±2	PASS
Band2	9538	NV	10	-1.40	-0.000734	±2	PASS
Band2	9538	NV	20	-2.69	-0.001410	±2	PASS
Band2	9538	NV	30	-2.61	-0.001368	±2	PASS
Band2	9538	NV	40	-3.76	-0.001971	±2	PASS
Band2	9538	NV	50	-3.93	-0.002060	±2	PASS

Band	Channel	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band2	9262	VN	NT	-6.84	-0.003693	±2	PASS
Band2	9262	VL	NT	-5.30	-0.002861	±2	PASS
Band2	9262	VH	NT	-5.14	-0.002775	±2	PASS
Band2	9400	VN	NT	-6.44	-0.003426	±2	PASS
Band2	9400	VL	NT	0.97	0.000516	±2	PASS
Band2	9400	VH	NT	-2.73	-0.001452	±2	PASS
Band2	9538	VN	NT	-3.38	-0.001772	±2	PASS
Band2	9538	VL	NT	-3.45	-0.001809	±2	PASS
Band2	9538	VH	NT	0.39	0.000204	±2	PASS

Band	Channel	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band2	9262	NV	-30	-1.60	-0.000864	±2	PASS
Band2	9262	NV	-20	-5.32	-0.002872	±2	PASS
Band2	9262	NV	-10	3.53	0.001906	±2	PASS
Band2	9262	NV	0	-1.99	-0.001074	±2	PASS
Band2	9262	NV	10	-3.89	-0.002100	±2	PASS
Band2	9262	NV	20	-2.35	-0.001269	±2	PASS
Band2	9262	NV	30	-4.48	-0.002418	±2	PASS
Band2	9262	NV	40	0.43	0.000232	±2	PASS
Band2	9262	NV	50	1.16	0.000626	±2	PASS
Band2	9400	NV	-30	-4.28	-0.002277	±2	PASS
Band2	9400	NV	-20	-6.75	-0.003590	±2	PASS
Band2	9400	NV	-10	-0.98	-0.000521	±2	PASS
Band2	9400	NV	0	0.88	0.000468	±2	PASS
Band2	9400	NV	10	-1.65	-0.000878	±2	PASS
Band2	9400	NV	20	-0.88	-0.000468	±2	PASS
Band2	9400	NV	30	-2.05	-0.001090	±2	PASS
Band2	9400	NV	40	-3.92	-0.002085	±2	PASS
Band2	9400	NV	50	-4.63	-0.002463	±2	PASS
Band2	9538	NV	-30	-2.50	-0.001311	±2	PASS
Band2	9538	NV	-20	-4.50	-0.002359	±2	PASS
Band2	9538	NV	-10	-5.67	-0.002972	±2	PASS
Band2	9538	NV	0	-1.92	-0.001007	±2	PASS
Band2	9538	NV	10	-1.45	-0.000760	±2	PASS
Band2	9538	NV	20	0.74	0.000388	±2	PASS
Band2	9538	NV	30	-1.57	-0.000823	±2	PASS

Band2	9538	NV	40	-3.76	-0.001971	±2	PASS
Band2	9538	NV	50	-2.69	-0.001410	±2	PASS

Band	Channel	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band2	9262	VN	NT	-15.64	-0.008443	±2	PASS
Band2	9262	VL	NT	-5.27	-0.002845	±2	PASS
Band2	9262	VH	NT	-1.02	-0.000551	±2	PASS
Band2	9400	VN	NT	-11.69	-0.006218	±2	PASS
Band2	9400	VL	NT	-4.91	-0.002612	±2	PASS
Band2	9400	VH	NT	-2.47	-0.001314	±2	PASS
Band2	9538	VN	NT	-14.96	-0.007842	±2	PASS
Band2	9538	VL	NT	-4.21	-0.002207	±2	PASS
Band2	9538	VH	NT	-2.06	-0.001080	±2	PASS

Band	Channel	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band2	9262	NV	-30	-1.34	-0.000723	±2	PASS
Band2	9262	NV	-20	-3.84	-0.002073	±2	PASS
Band2	9262	NV	-10	-0.11	-0.000059	±2	PASS
Band2	9262	NV	0	-0.29	-0.000157	±2	PASS
Band2	9262	NV	10	-3.01	-0.001625	±2	PASS
Band2	9262	NV	20	-2.14	-0.001155	±2	PASS
Band2	9262	NV	30	0.32	0.000173	±2	PASS
Band2	9262	NV	40	-1.23	-0.000664	±2	PASS
Band2	9262	NV	50	-2.50	-0.001350	±2	PASS
Band2	9400	NV	-30	-4.61	-0.002452	±2	PASS
Band2	9400	NV	-20	-0.87	-0.000463	±2	PASS
Band2	9400	NV	-10	-2.85	-0.001516	±2	PASS
Band2	9400	NV	0	-2.44	-0.001298	±2	PASS
Band2	9400	NV	10	-5.20	-0.002766	±2	PASS
Band2	9400	NV	20	-6.59	-0.003505	±2	PASS
Band2	9400	NV	30	1.99	0.001059	±2	PASS
Band2	9400	NV	40	-2.57	-0.001367	±2	PASS
Band2	9400	NV	50	-2.89	-0.001537	±2	PASS
Band2	9538	NV	-30	0.90	0.000472	±2	PASS
Band2	9538	NV	-20	-2.90	-0.001520	±2	PASS
Band2	9538	NV	-10	-4.69	-0.002459	±2	PASS
Band2	9538	NV	0	1.26	0.000661	±2	PASS
Band2	9538	NV	10	1.28	0.000671	±2	PASS
Band2	9538	NV	20	-1.25	-0.000655	±2	PASS
Band2	9538	NV	30	0.34	0.000178	±2	PASS

Band2	9538	NV	40	-1.34	-0.000702	±2	PASS
Band2	9538	NV	50	-3.96	-0.002076	±2	PASS