

Appendix for WCDMA BAND 2

Product Name: CSX8

Model No: LGT-08QA-2301

AppendixA: Average Power Output Data

Test Result

WCDMA

Band	Channel	Power(dBm)	Verdict
Band2	9262	24.18	PASS
Band2	9400	24.27	PASS
Band2	9538	23.84	PASS

HSDPA

Band	Channel	SubTest	Power(dBm)	Verdict
Band2	9262	1	23.14	PASS
Band2	9262	2	22.65	PASS
Band2	9262	3	22.65	PASS
Band2	9262	4	22.66	PASS
Band2	9400	1	23.30	PASS
Band2	9400	2	22.76	PASS
Band2	9400	3	22.77	PASS
Band2	9400	4	22.79	PASS
Band2	9538	1	22.88	PASS
Band2	9538	2	22.36	PASS
Band2	9538	3	22.37	PASS
Band2	9538	4	22.36	PASS

HSUPA

Band	Channel	SubTest	Power(dBm)	Verdict
Band2	9262	1	23.14	PASS
Band2	9262	2	21.57	PASS
Band2	9262	3	22.19	PASS
Band2	9262	4	21.15	PASS
Band2	9262	5	23.17	PASS
Band2	9400	1	23.19	PASS
Band2	9400	2	21.80	PASS
Band2	9400	3	22.31	PASS
Band2	9400	4	21.26	PASS

Band2	9400	5	23.36	PASS
Band2	9538	1	22.76	PASS
Band2	9538	2	21.38	PASS
Band2	9538	3	21.81	PASS
Band2	9538	4	20.82	PASS
Band2	9538	5	22.94	PASS

AppendixB:Peak-to-Average Ratio

Test Result

WCAMA

Band	Channel	Peak-to-Average Ratio(dB)	Limit(dB)	Verdict
Band2	9262	3.16	13	PASS
Band2	9400	3.16	13	PASS
Band2	9538	3.22	13	PASS

HSDPA

Band	Channel	SubTest	Peak-to-Average Ratio(dB)	Limit(dB)	Verdict
Band2	9262	1	3.3	13	PASS
Band2	9262	2	3.45	13	PASS
Band2	9262	3	3.62	13	PASS
Band2	9262	4	3.65	13	PASS
Band2	9400	1	3.30	13	PASS
Band2	9400	2	3.48	13	PASS
Band2	9400	3	3.62	13	PASS
Band2	9400	4	3.68	13	PASS
Band2	9538	1	3.36	13	PASS
Band2	9538	2	3.59	13	PASS
Band2	9538	3	3.77	13	PASS
Band2	9538	4	3.83	13	PASS

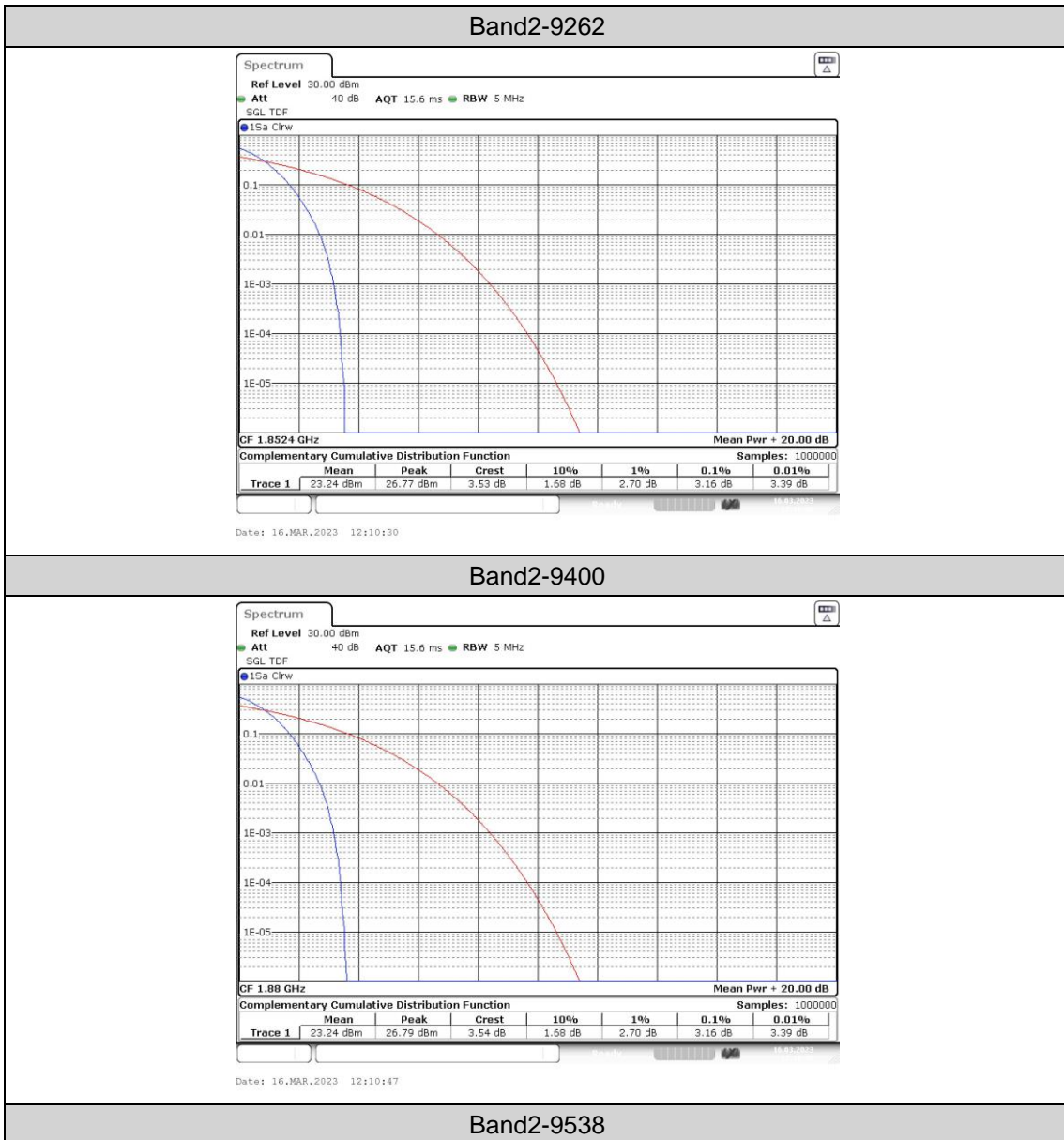
HSUPA

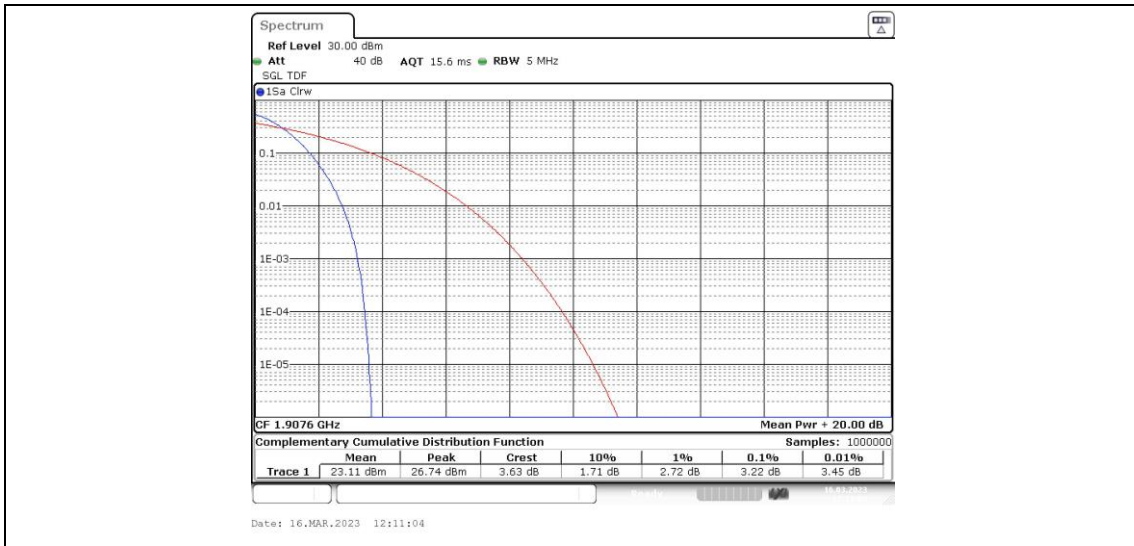
Band	Channel	SubTest	Peak-to-Average Ratio(dB)	Limit(dB)	Verdict
Band2	9262	1	4.52	13	PASS
Band2	9262	2	5.33	13	PASS
Band2	9262	3	5.33	13	PASS
Band2	9262	4	5.51	13	PASS
Band2	9262	5	4.38	13	PASS
Band2	9400	1	4.55	13	PASS
Band2	9400	2	5.33	13	PASS
Band2	9400	3	5.33	13	PASS
Band2	9400	4	5.48	13	PASS
Band2	9400	5	4.38	13	PASS

Band2	9538	1	4.72	13	PASS
Band2	9538	2	5.39	13	PASS
Band2	9538	3	5.39	13	PASS
Band2	9538	4	5.54	13	PASS
Band2	9538	5	4.43	13	PASS

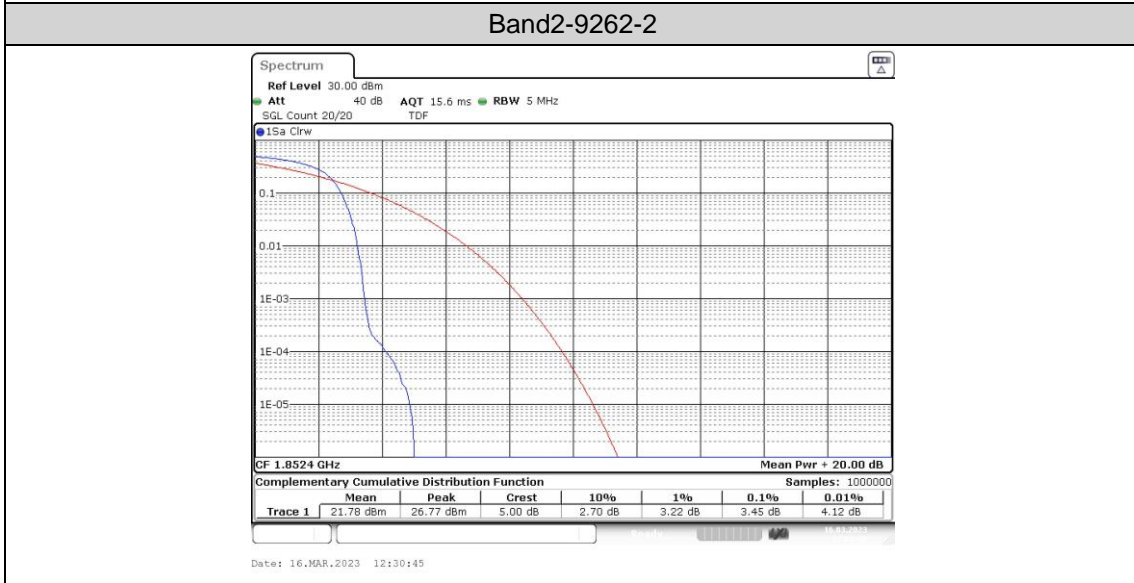
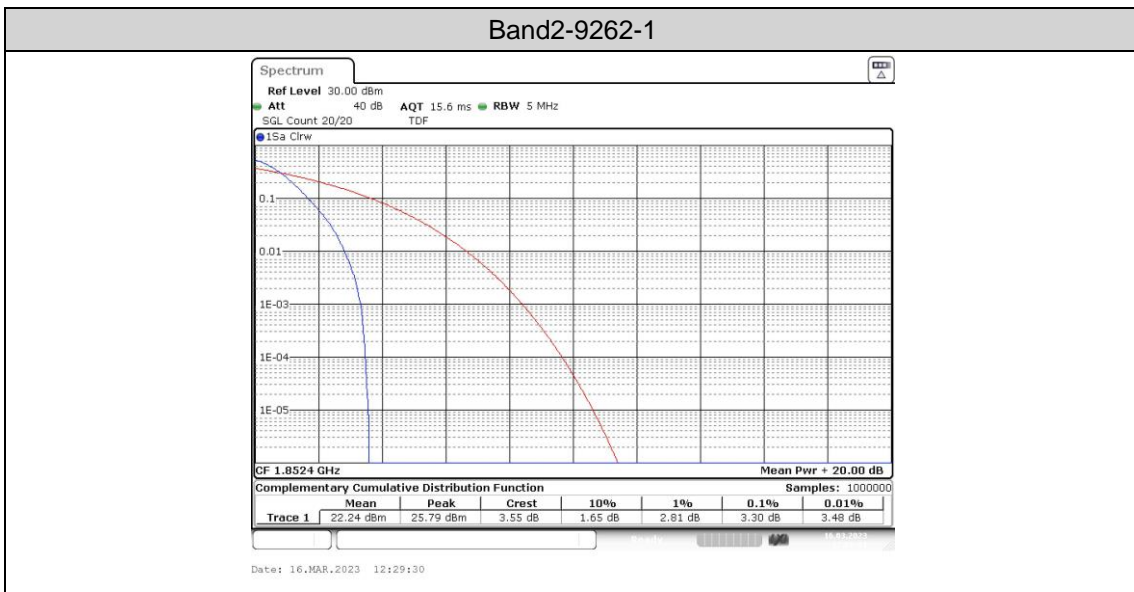
Test Graphs

WCDMA

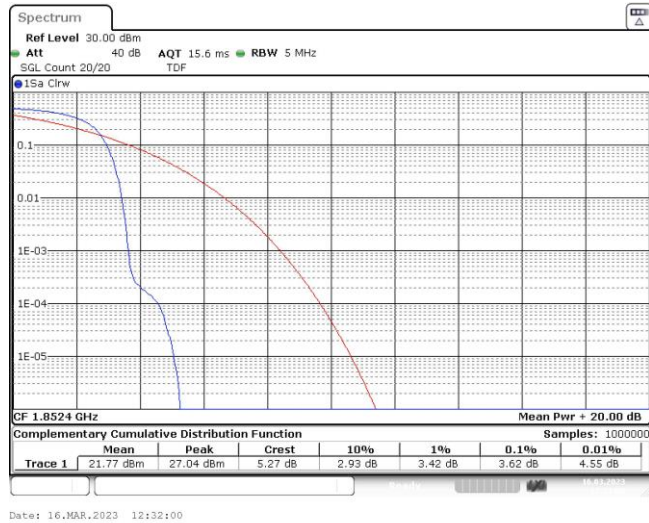




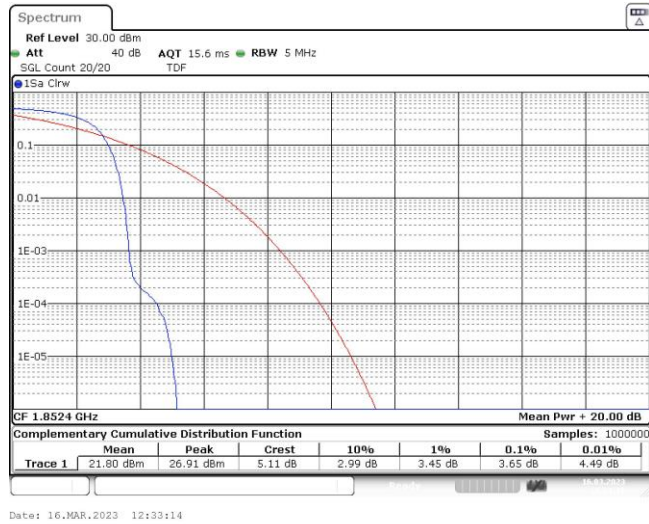
HSDPA



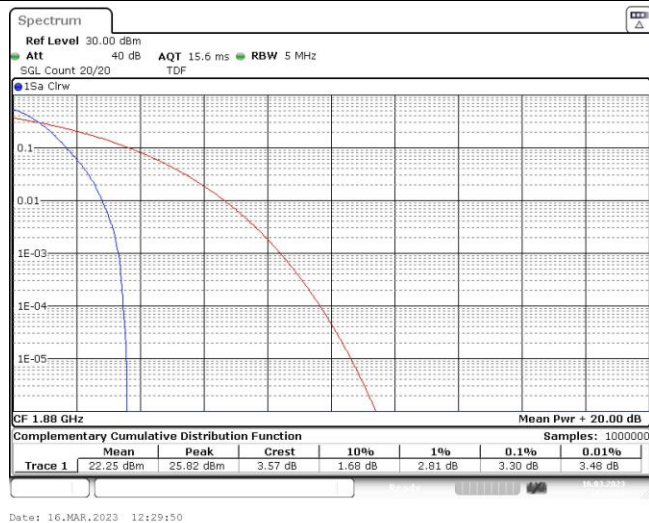
Band2-9262-3



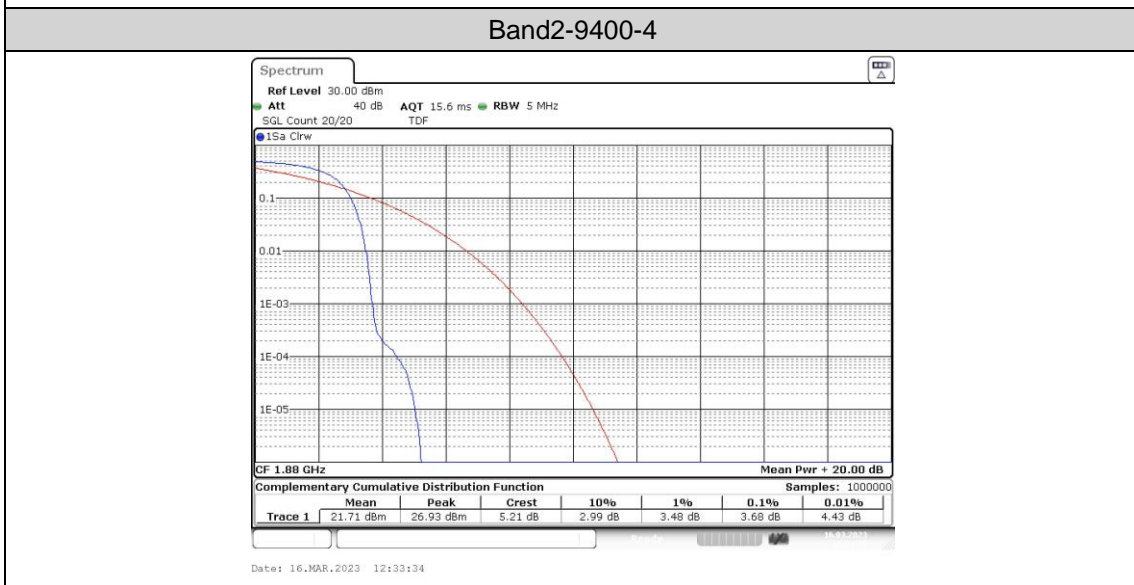
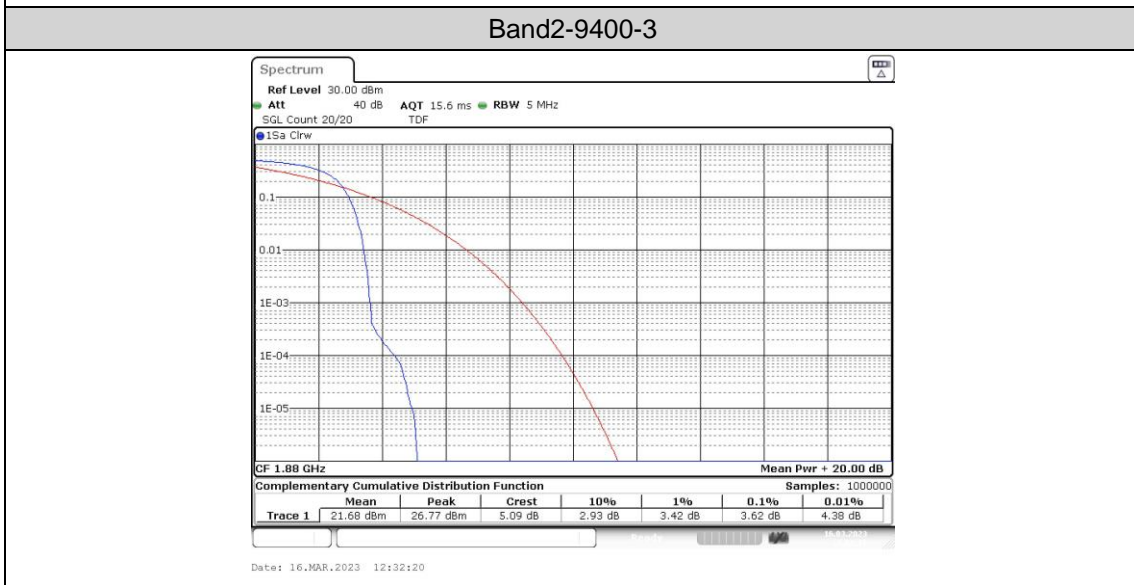
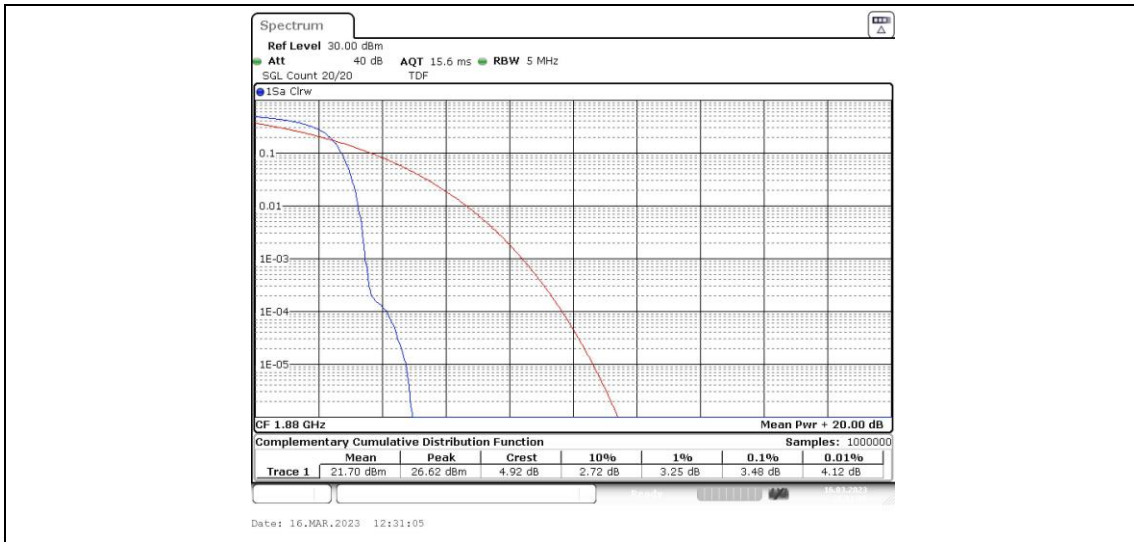
Band2-9262-4

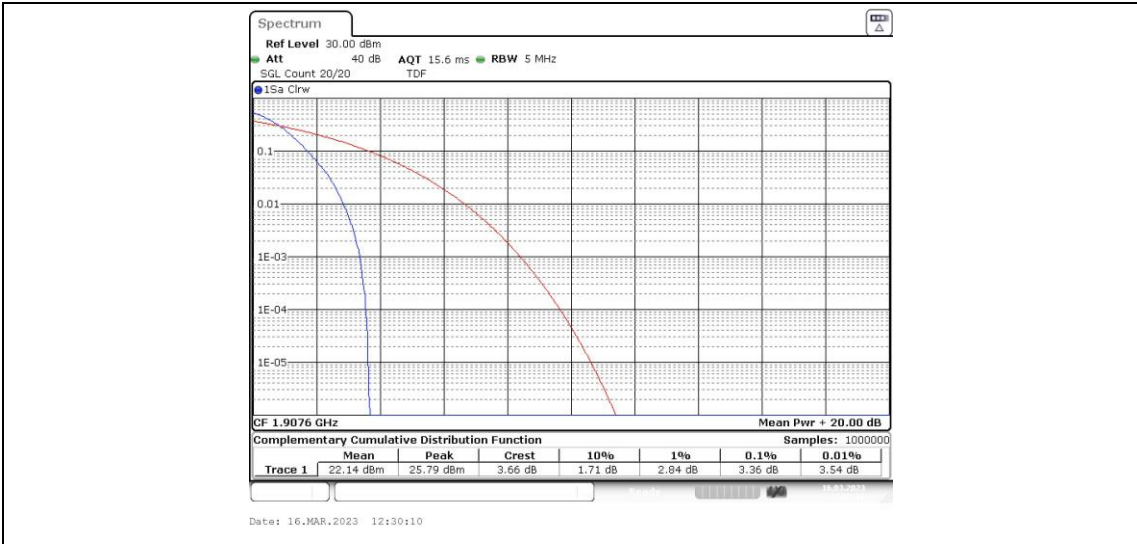


Band2-9400-1

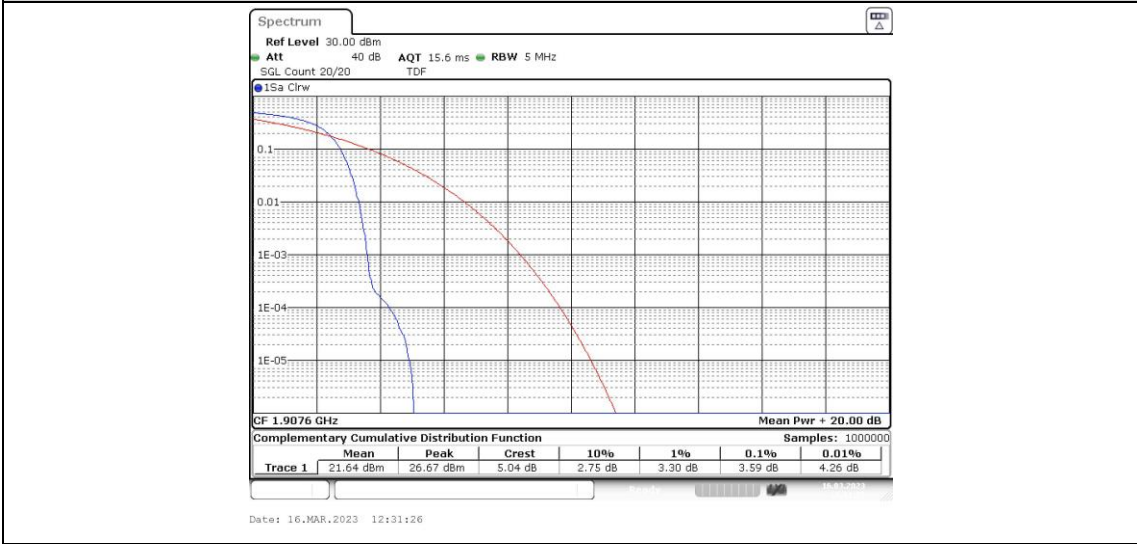


Band2-9400-2

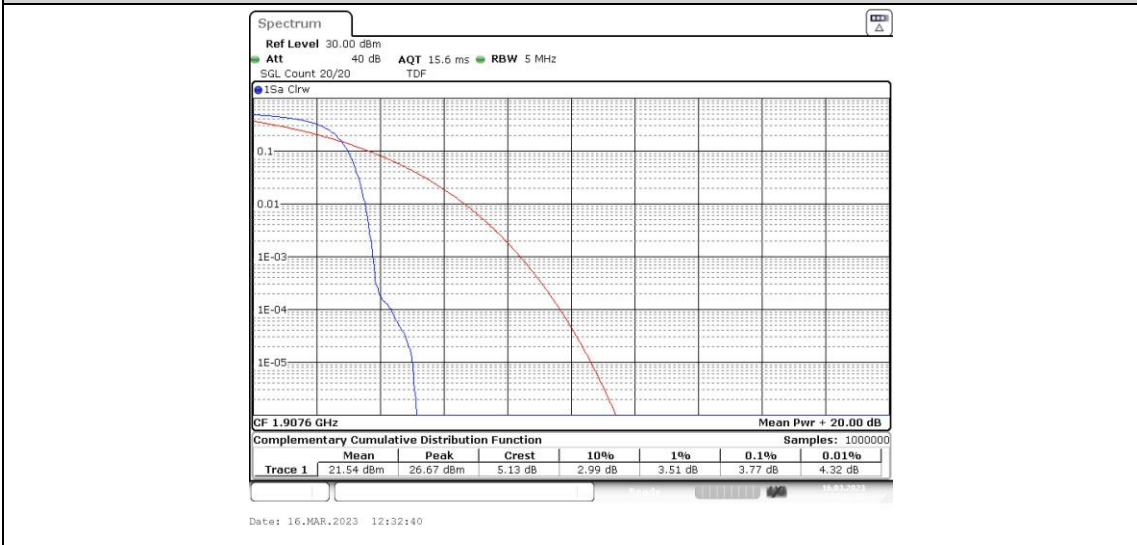




Band2-9538-2



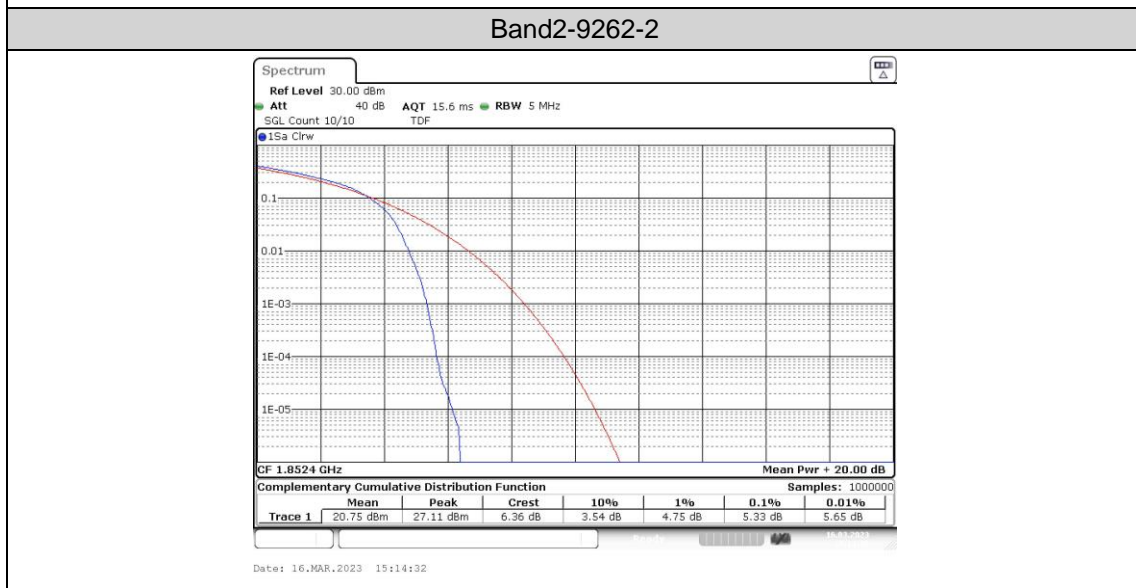
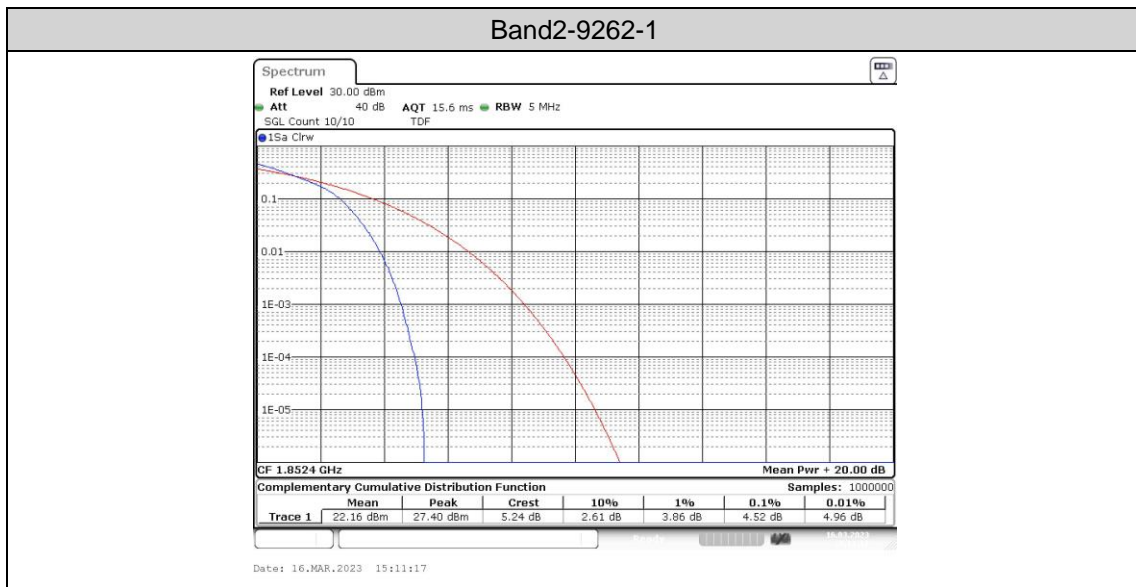
Band2-9538-3



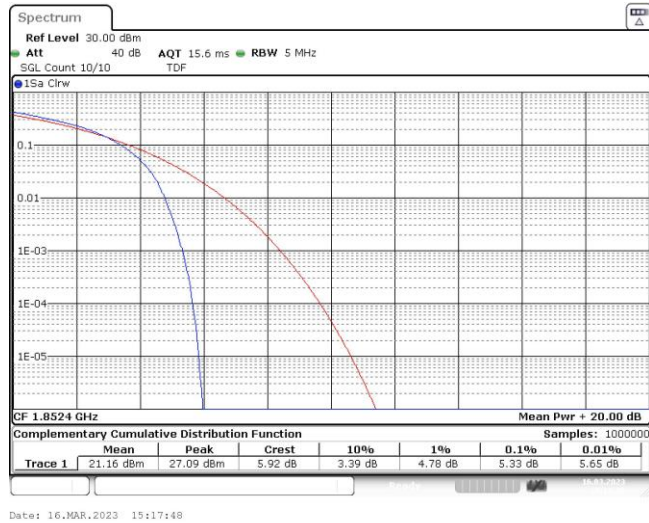
Band2-9538-4



HSUPA

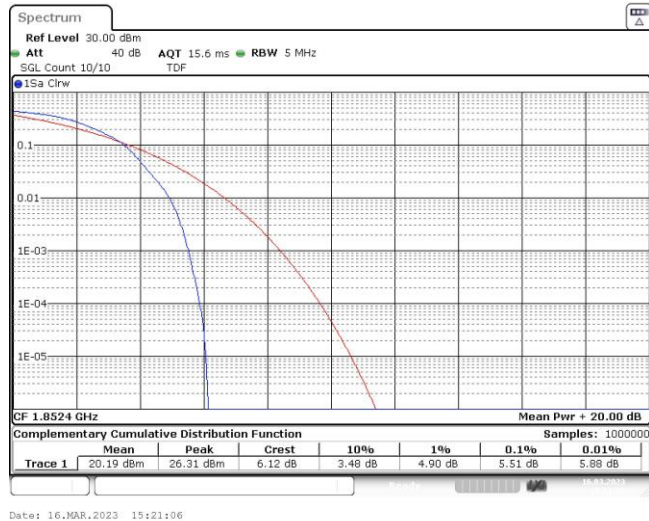


Band2-9262-3



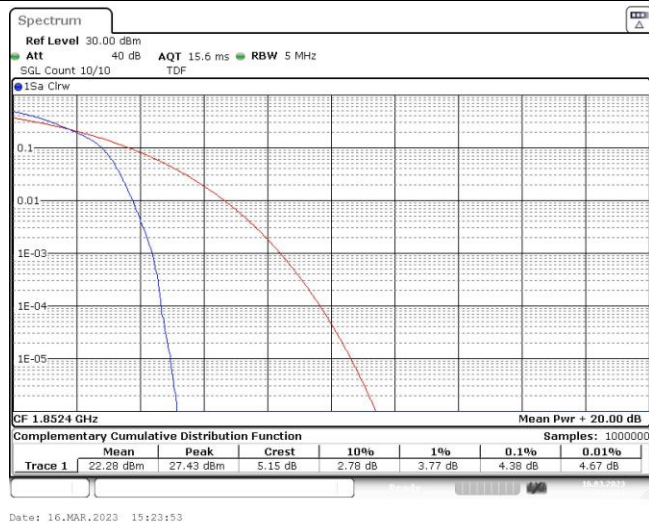
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Band2-9262-4



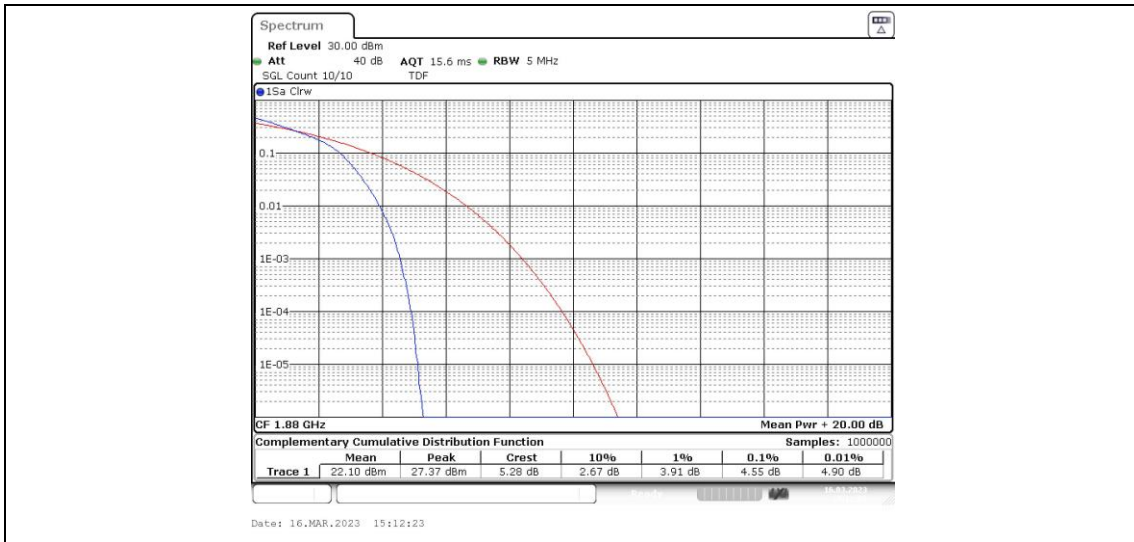
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Band2-9262-5

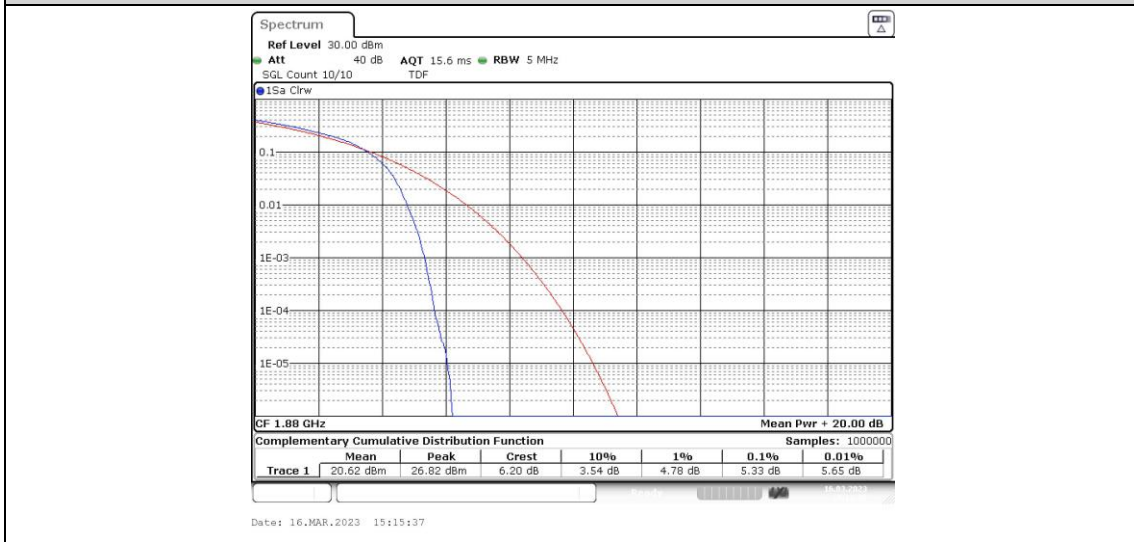


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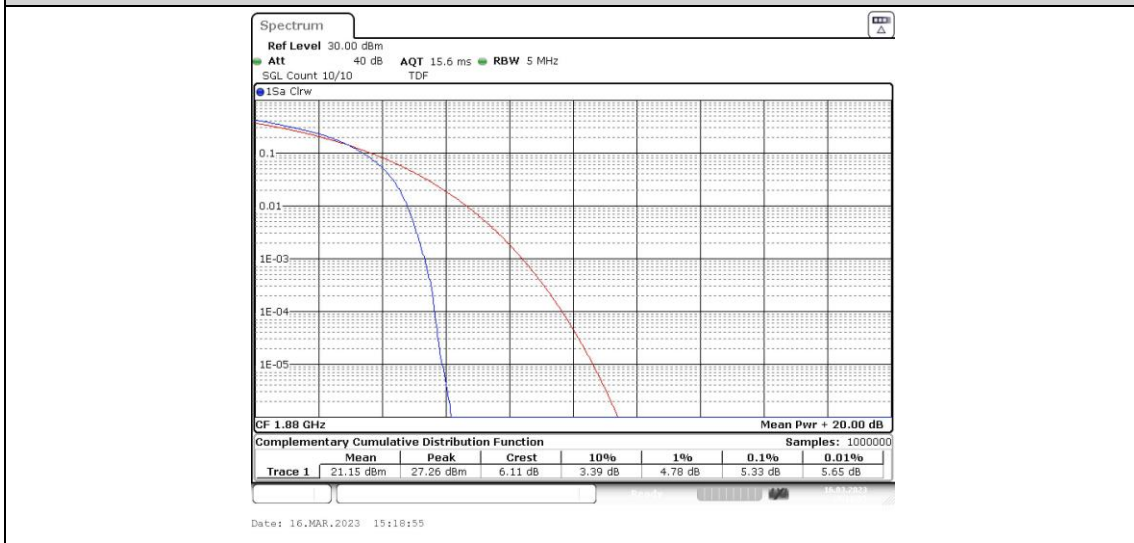
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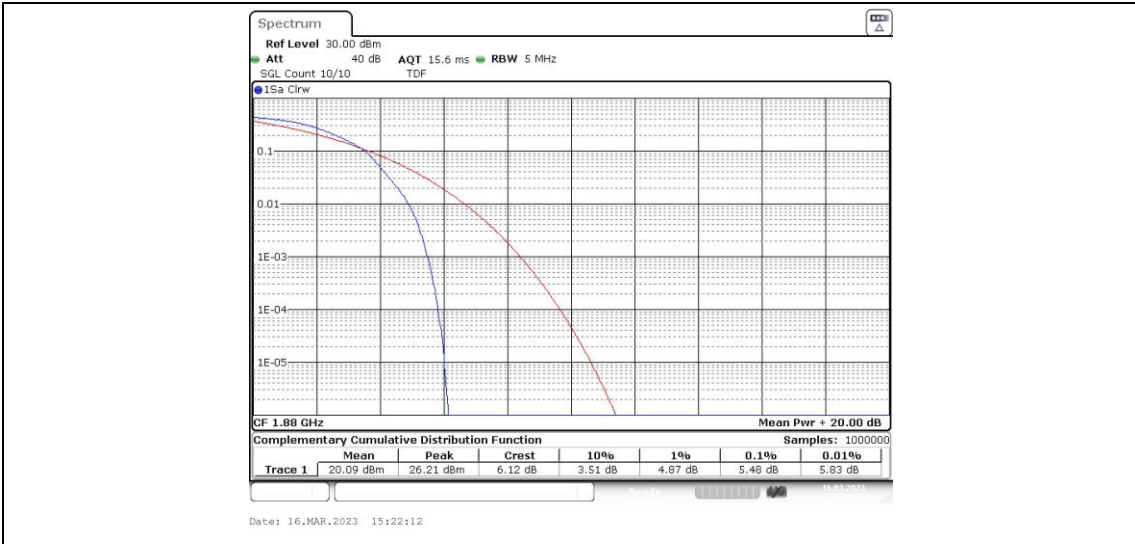
Band2-9400-2



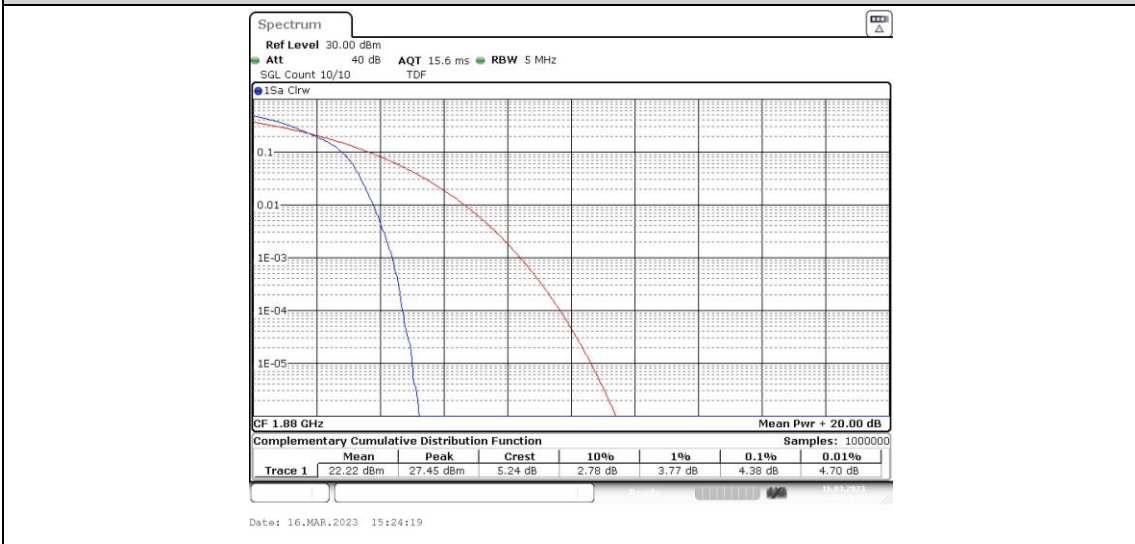
Band2-9400-3



Band2-9400-4



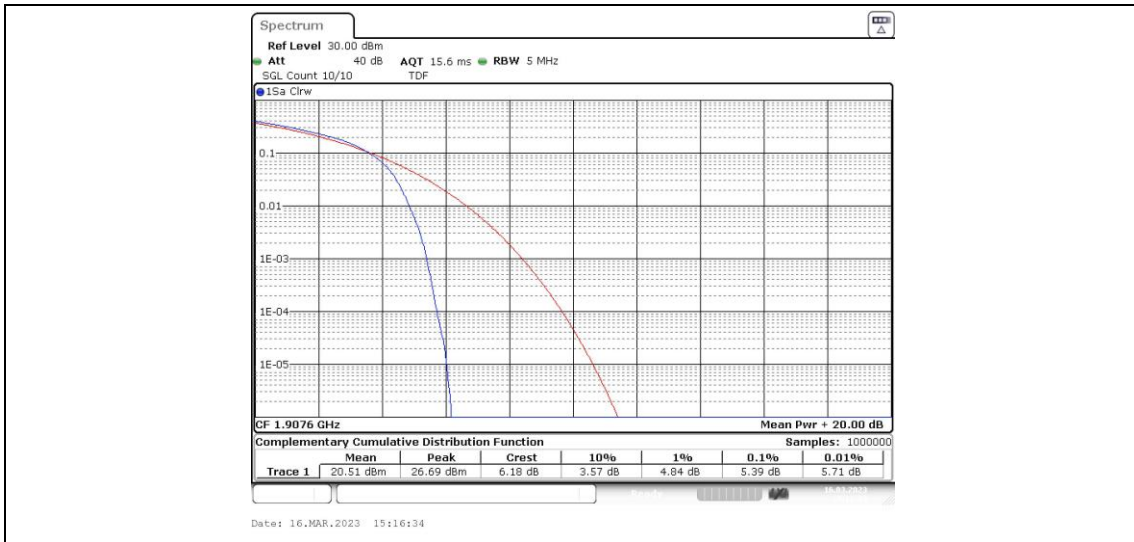
Band2-9400-5



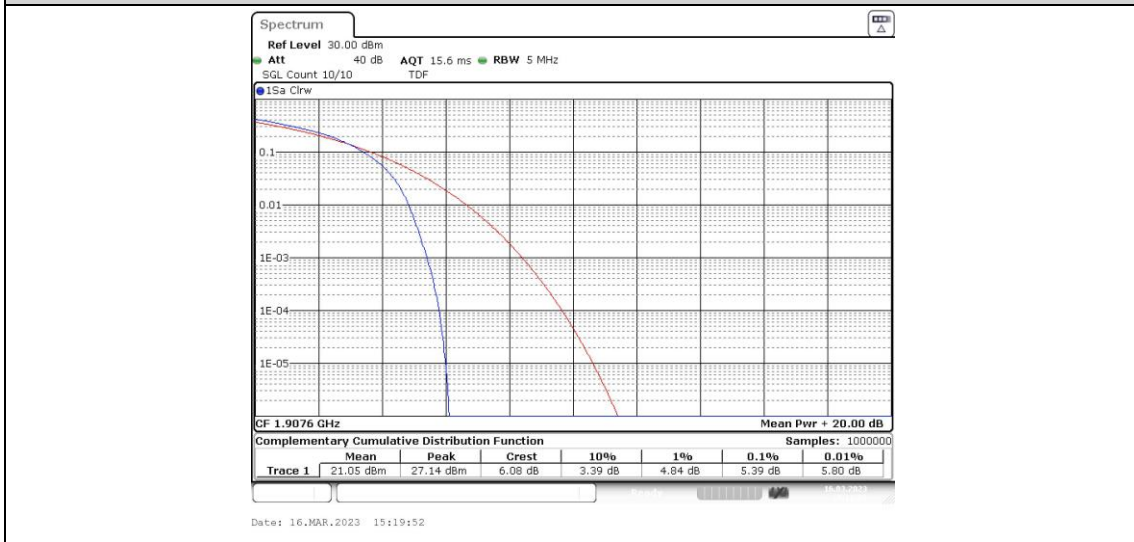
Band2-9538-1



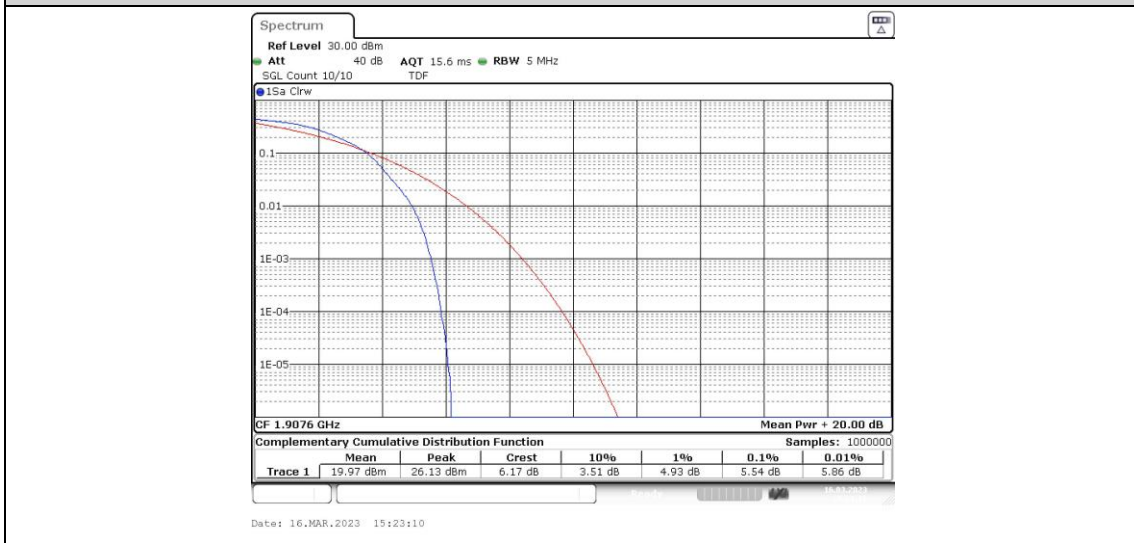
Band2-9538-2



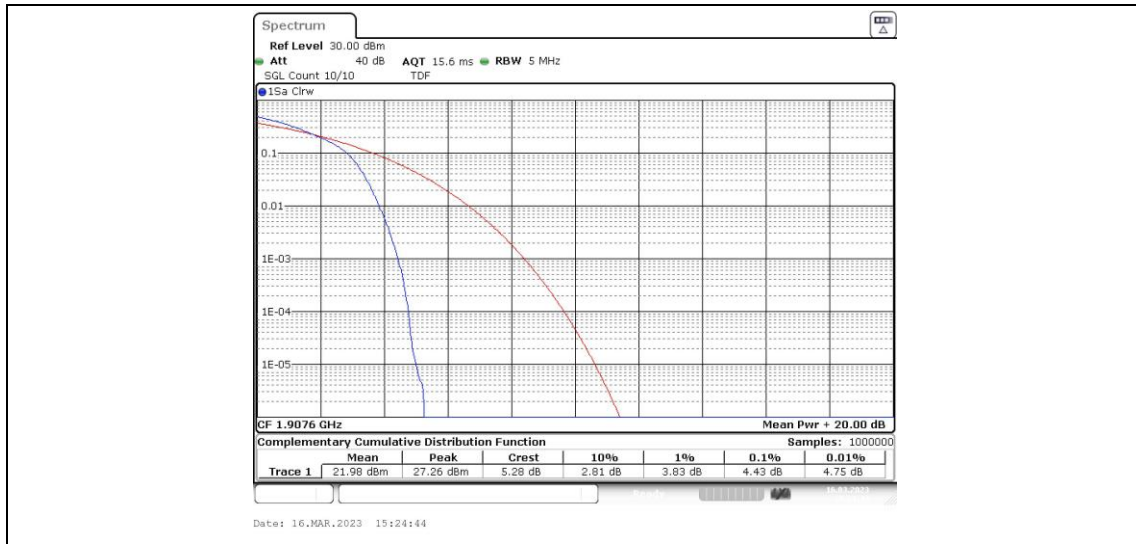
Band2-9538-3



Band2-9538-4



Band2-9538-5



AppendixC:26dB Bandwidth andOccupied Bandwidth

Test Result

WCDMA

Band	Channel	Occupied Bandwidth (kHz)	26dB Bandwidth (kHz)	Limit(kHz)	Verdict
Band2	9262	4.166	4.75	---	PASS
Band2	9400	4.166	4.75	---	PASS
Band2	9538	4.166	4.75	---	PASS

HSDPA

Band	Channel	SubTest	Occupied Bandwidth (kHz)	26dB Bandwidth (kHz)	Limit(kHz)	Verdict
Band2	9262	1	4.156	4.73	---	PASS
Band2	9262	2	4.166	4.75	---	PASS
Band2	9262	3	4.166	4.74	---	PASS
Band2	9262	4	4.166	4.74	---	PASS
Band2	9400	1	4.166	4.75	---	PASS
Band2	9400	2	4.166	4.76	---	PASS
Band2	9400	3	4.176	4.76	---	PASS
Band2	9400	4	4.166	4.75	---	PASS
Band2	9538	1	4.166	4.74	---	PASS
Band2	9538	2	4.166	4.74	---	PASS
Band2	9538	3	4.166	4.74	---	PASS
Band2	9538	4	4.166	4.75	---	PASS

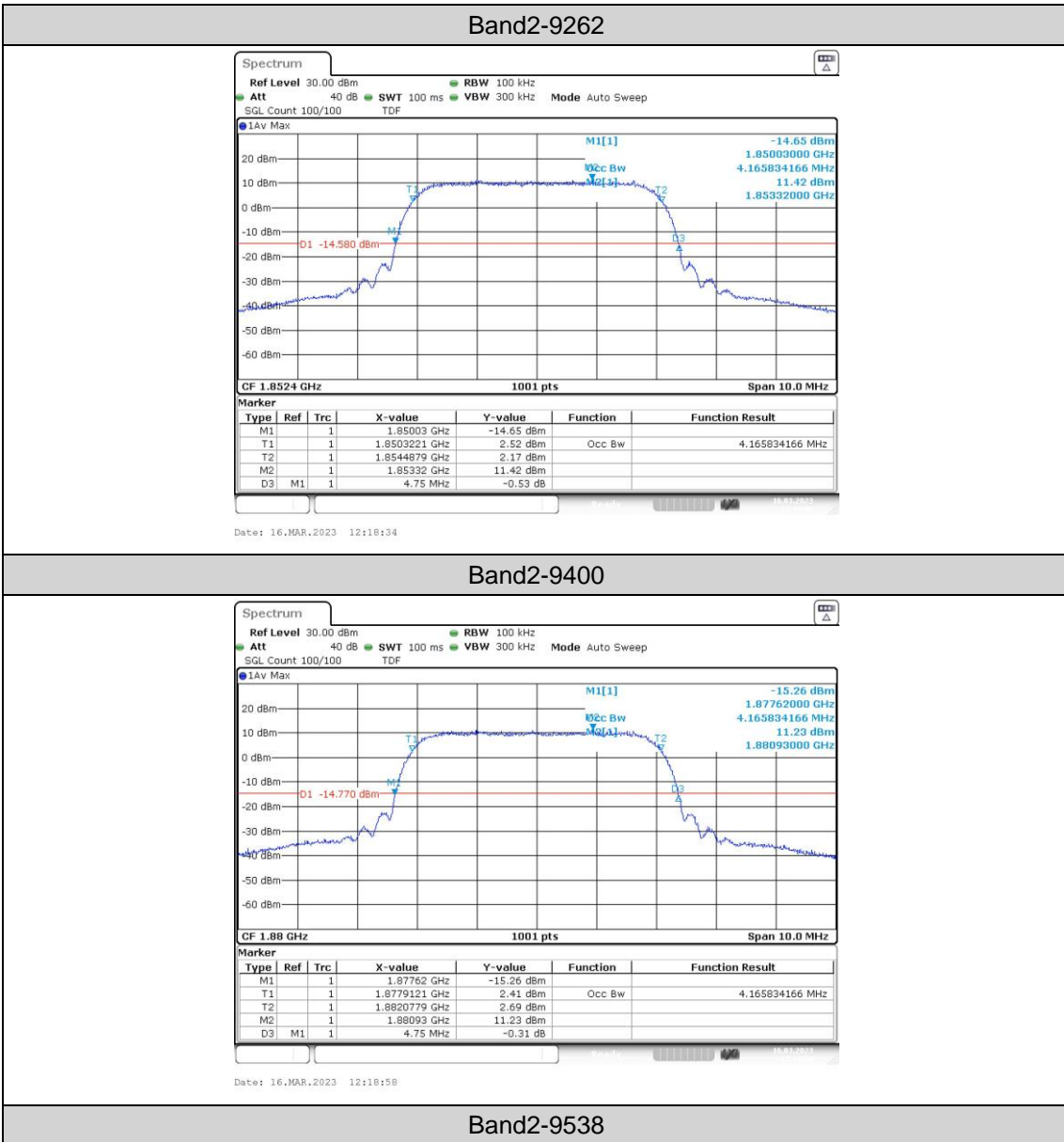
HSUPA

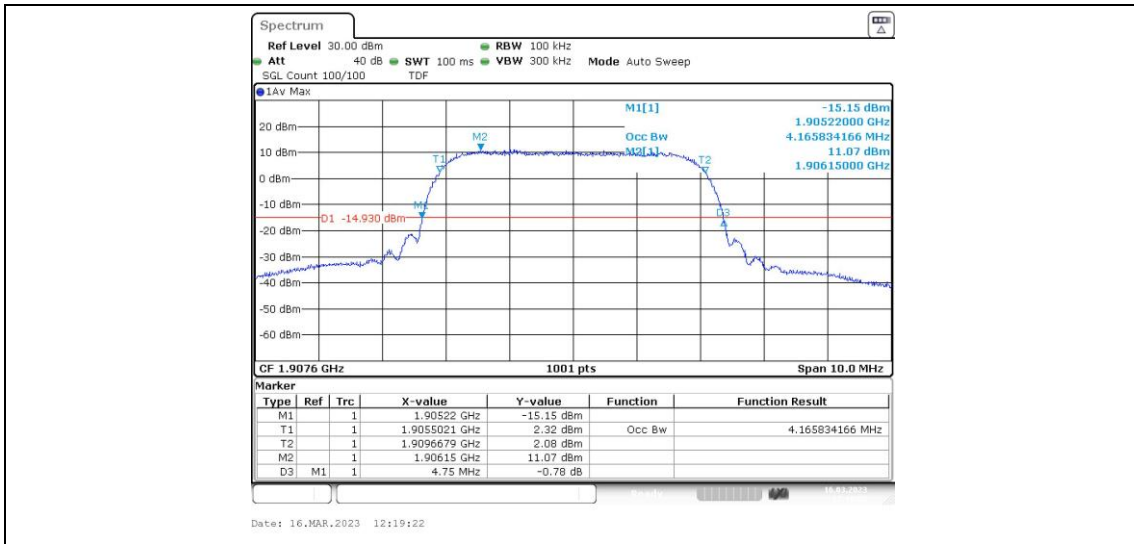
Band	Channel	SubTest	Occupied Bandwidth (kHz)	26dB Bandwidth (kHz)	Limit(kHz)	Verdict
Band2	9262	1	4.166	4.74	---	PASS
Band2	9262	2	4.176	4.75	---	PASS
Band2	9262	3	4.176	4.74	---	PASS
Band2	9262	4	4.176	4.77	---	PASS
Band2	9262	5	4.156	4.75	---	PASS
Band2	9400	1	4.166	4.76	---	PASS
Band2	9400	2	4.166	4.76	---	PASS
Band2	9400	3	4.176	4.75	---	PASS
Band2	9400	4	4.166	4.74	---	PASS

Band2	9400	5	4.166	4.75	---	PASS
Band2	9538	1	4.176	4.76	---	PASS
Band2	9538	2	4.176	4.77	---	PASS
Band2	9538	3	4.166	4.75	---	PASS
Band2	9538	4	4.166	4.75	---	PASS
Band2	9538	5	4.156	4.75	---	PASS

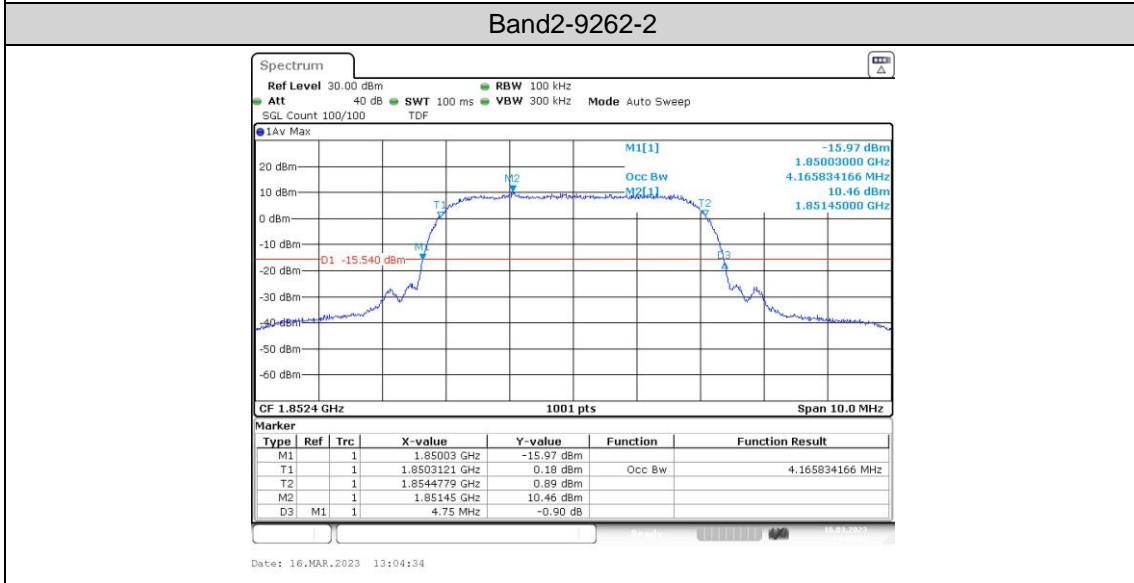
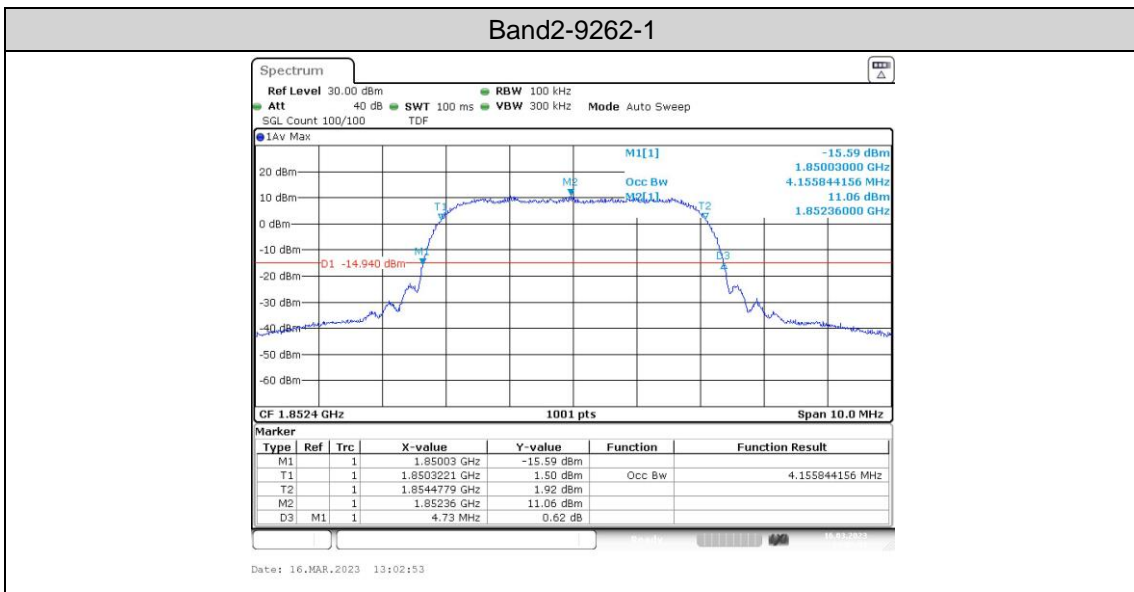
Test Graphs

WCDMA

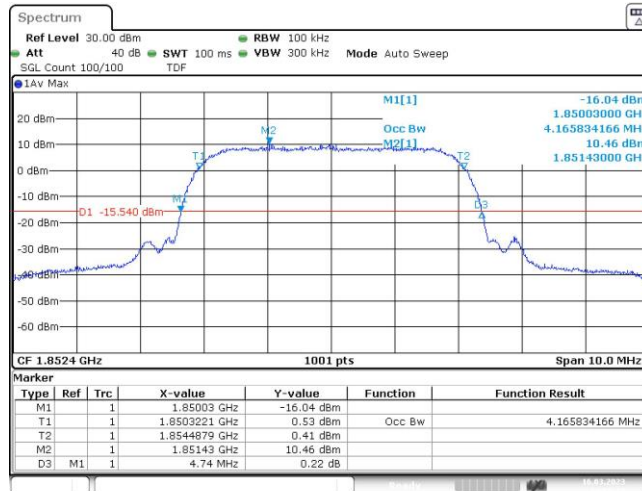
**Band2-9538**



HSDPA

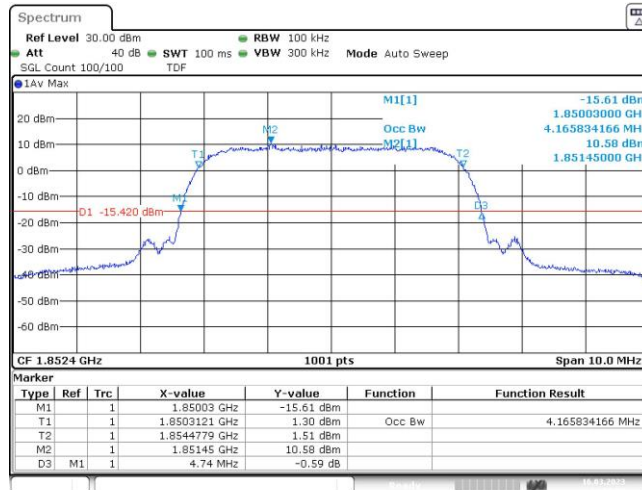


Band2-9262-3



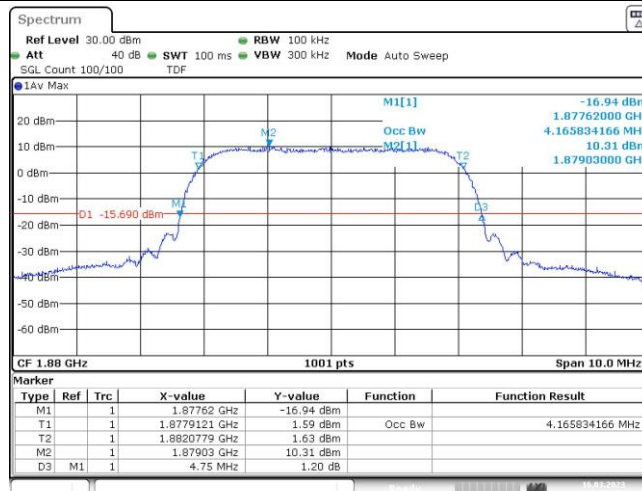
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Band2-9262-4



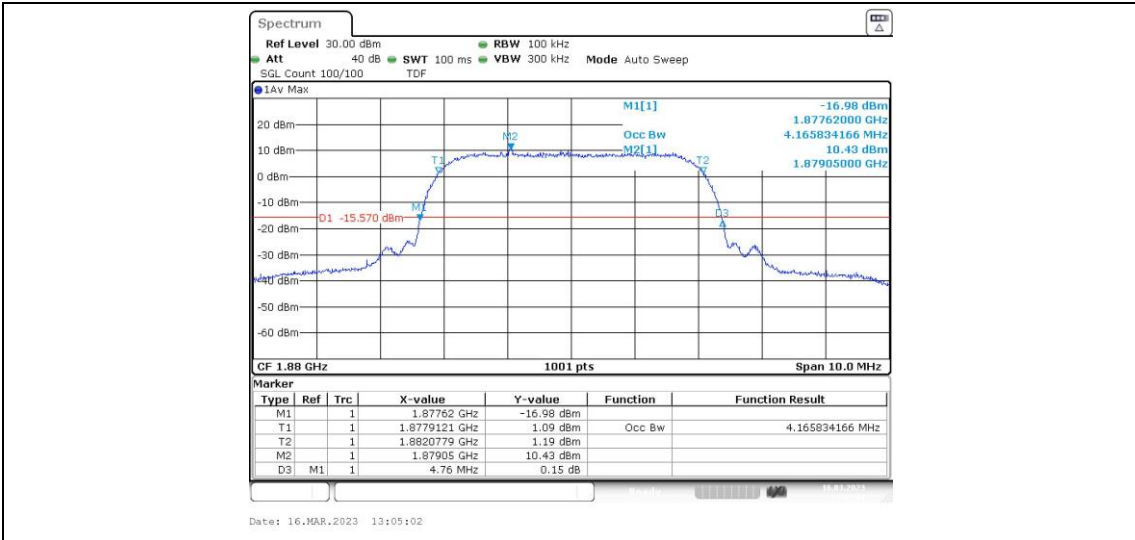
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Band2-9400-1

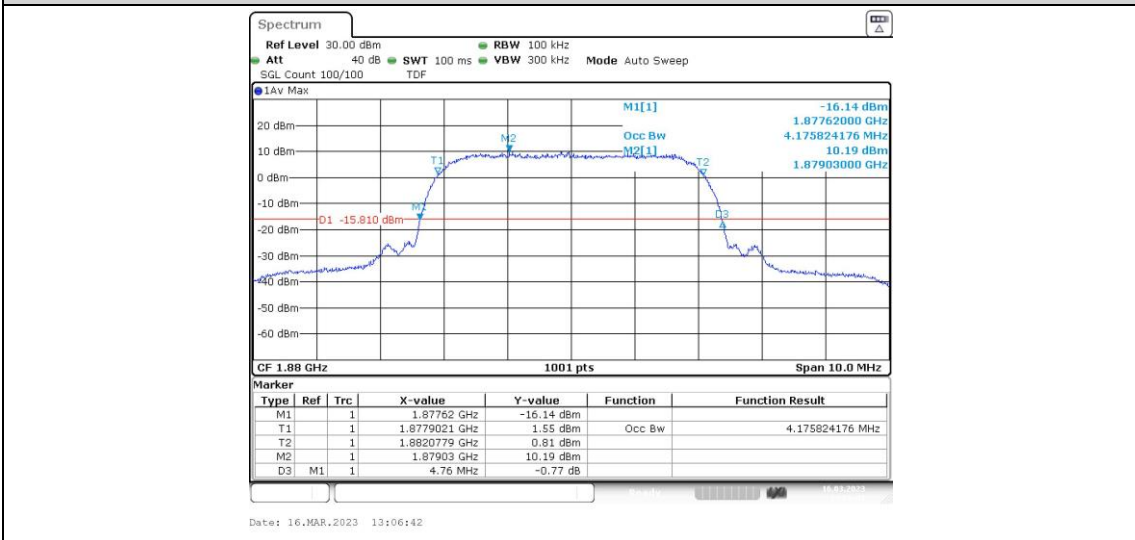


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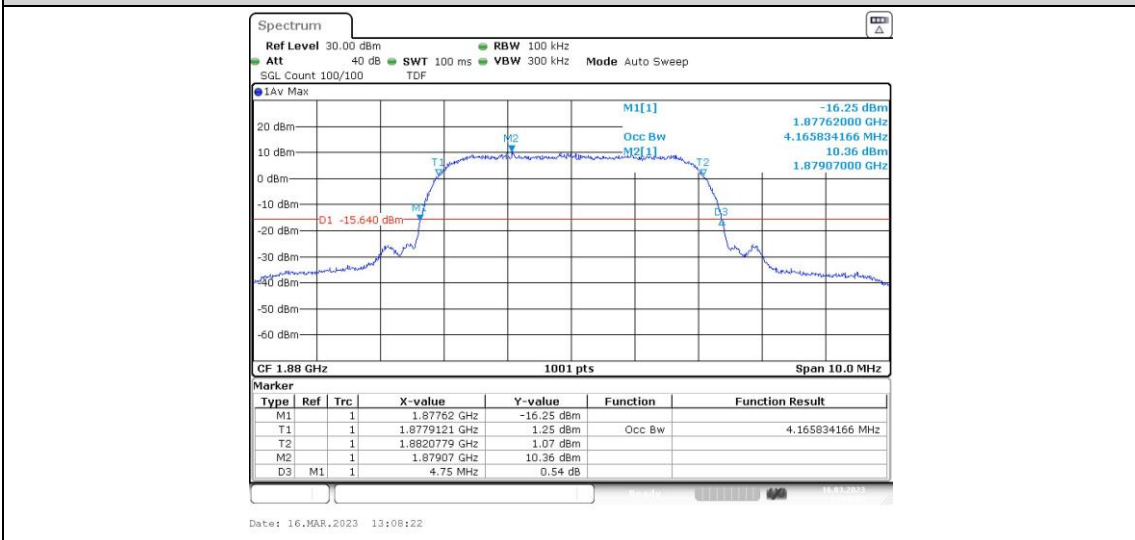
Band2-9400-2



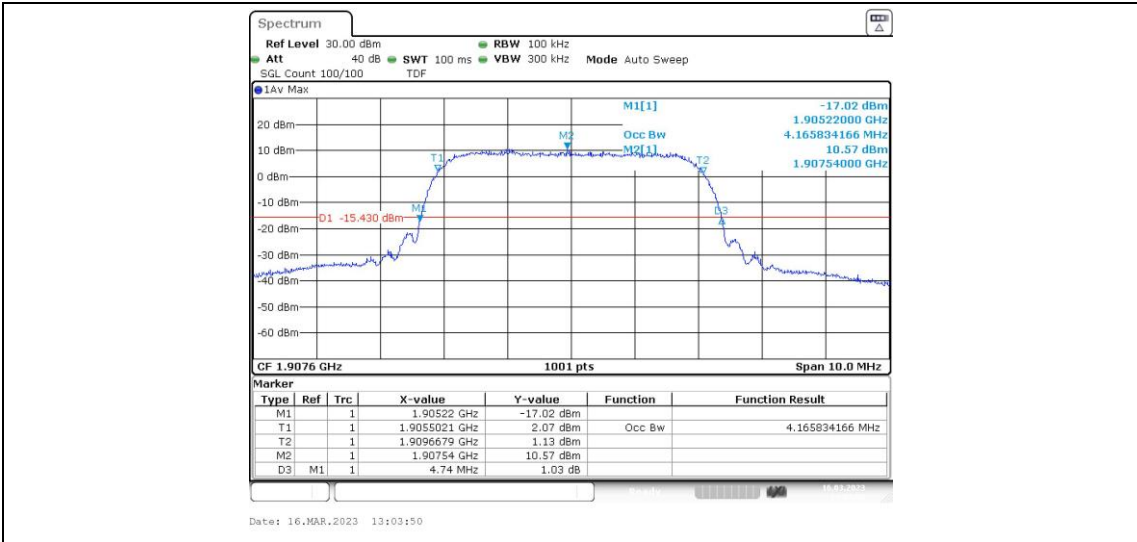
Band2-9400-3



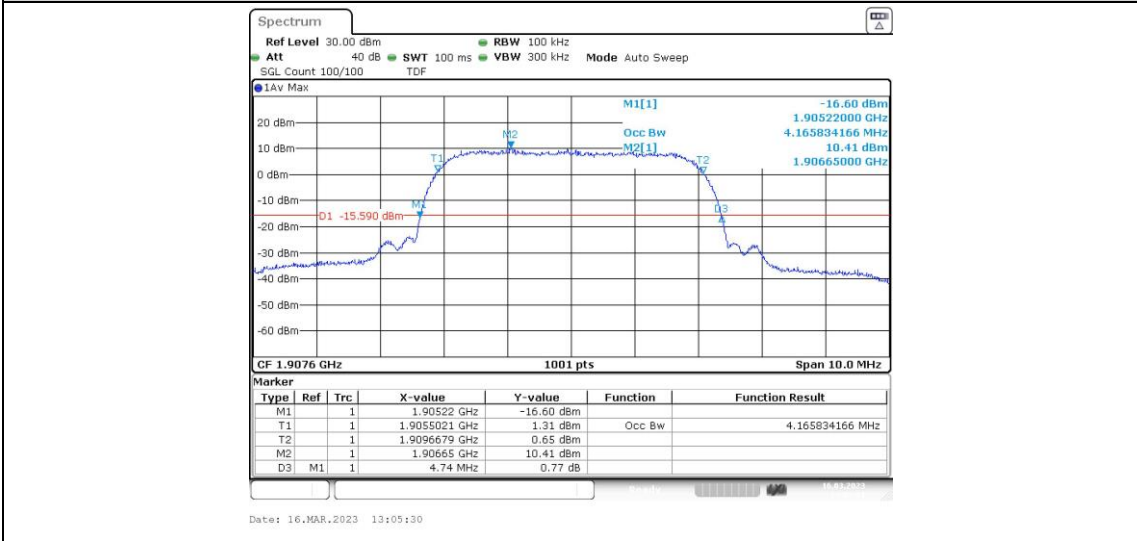
Band2-9400-4



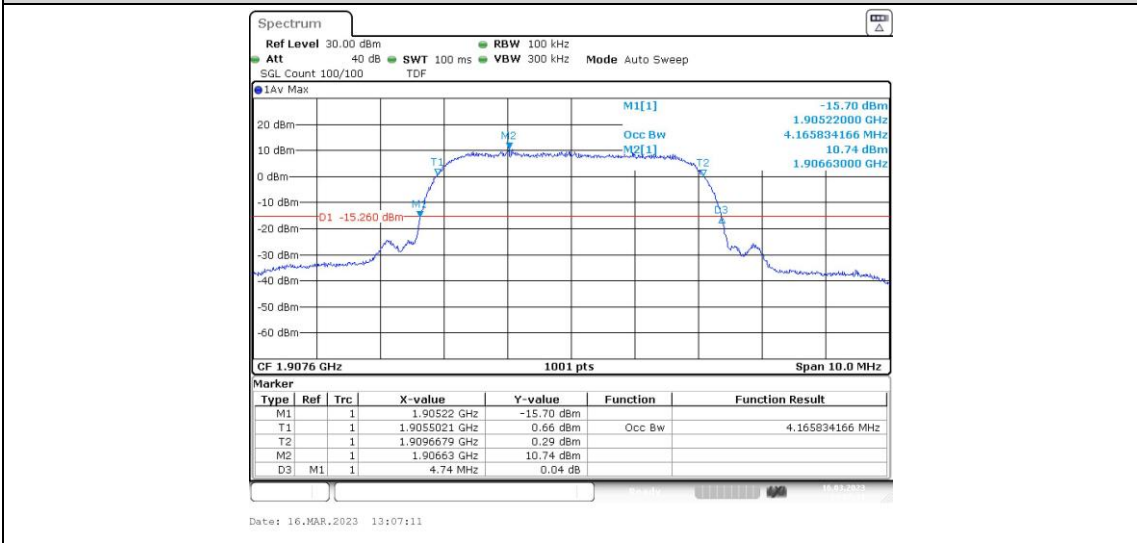
Band2-9538-1



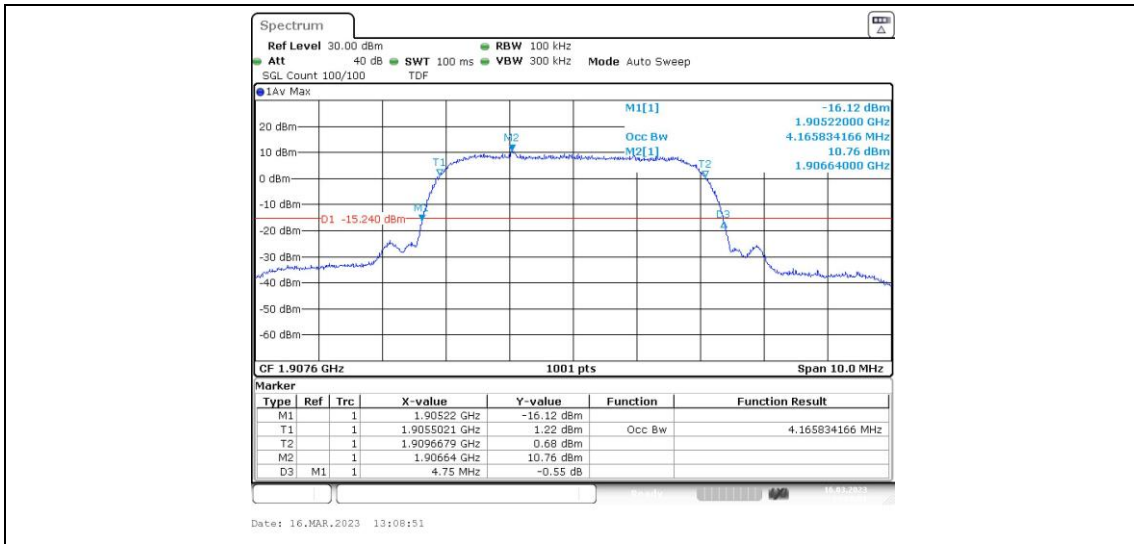
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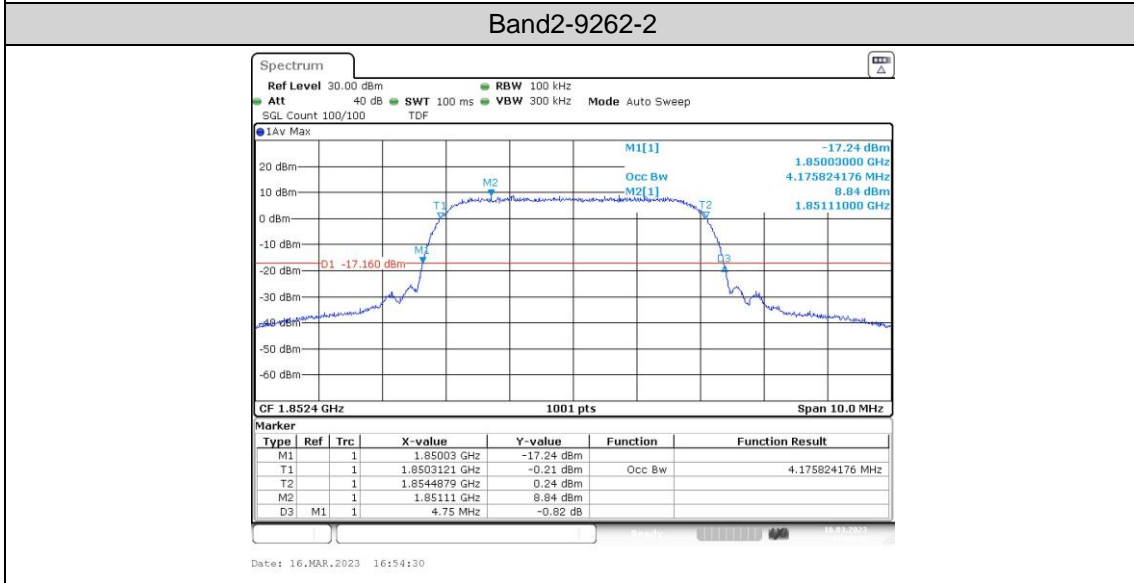
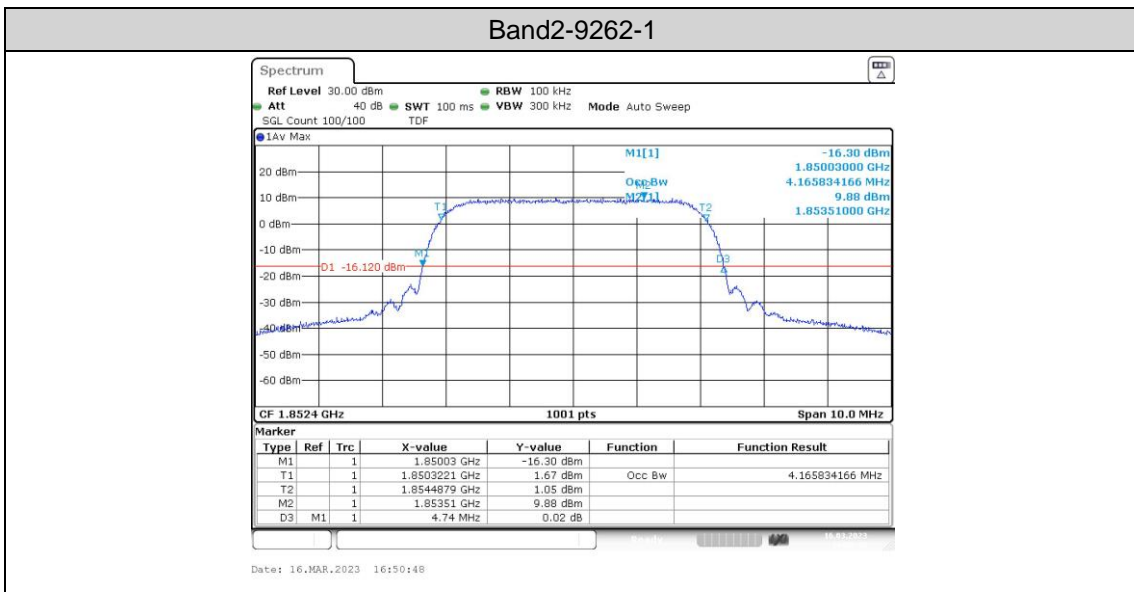
Band2-9538-3



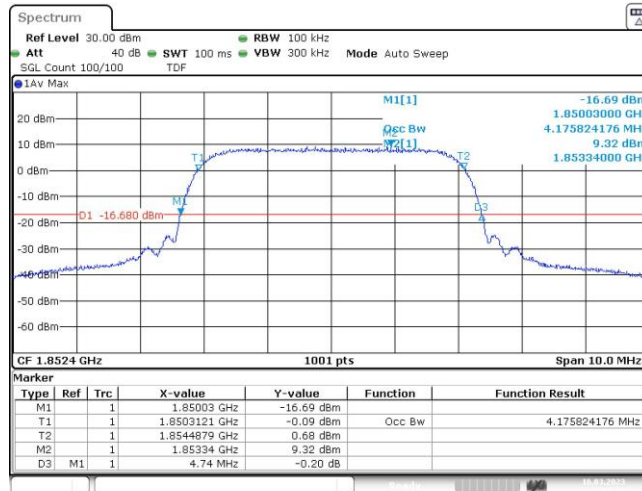
Band2-9538-4



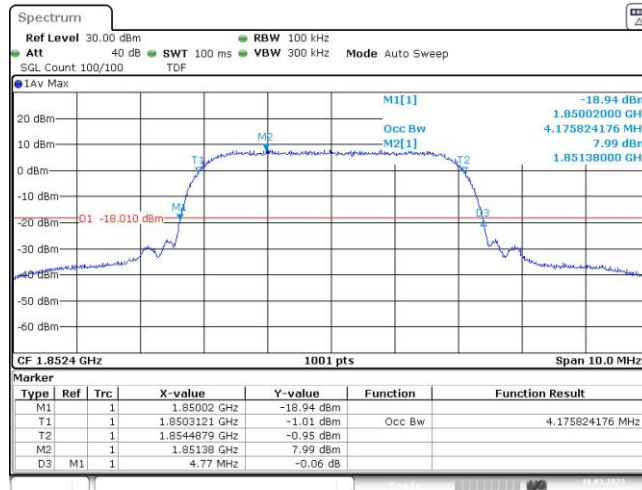
HSUPA



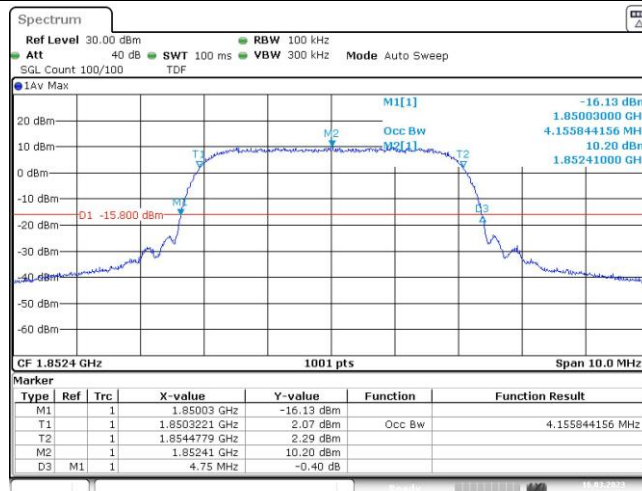
Band2-9262-3



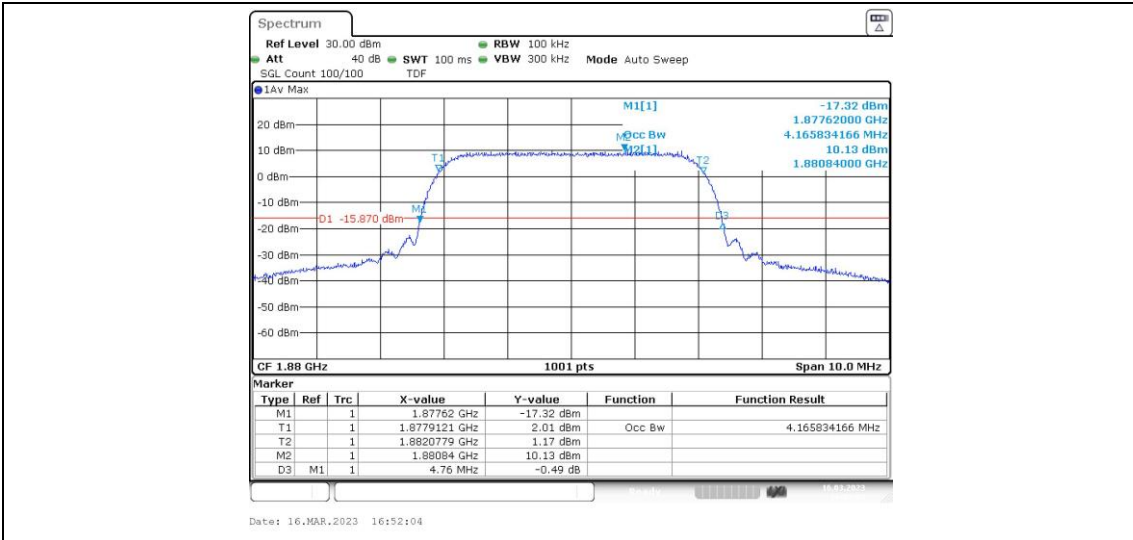
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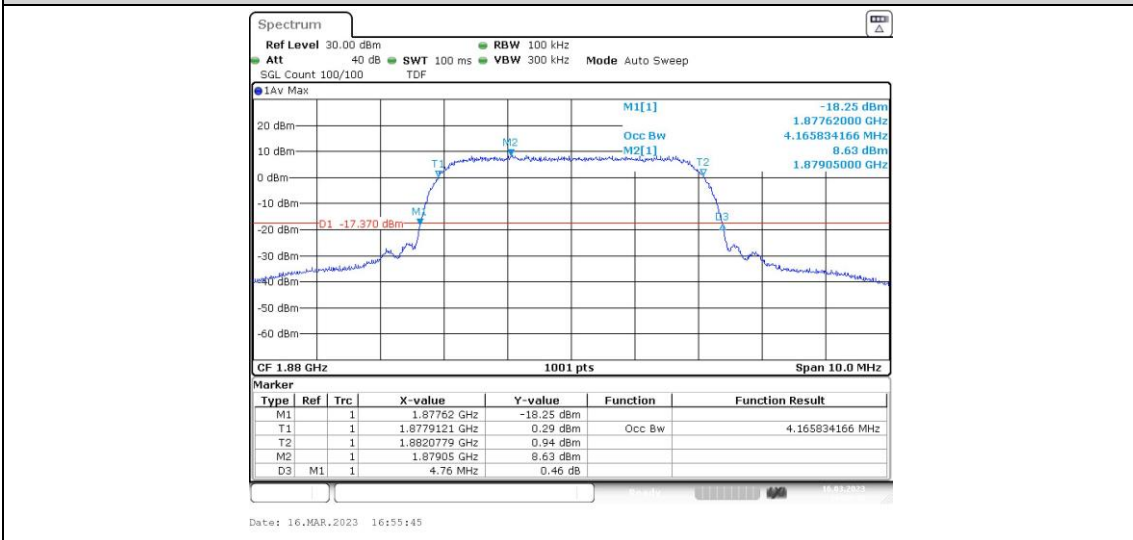
Band2-9262-5



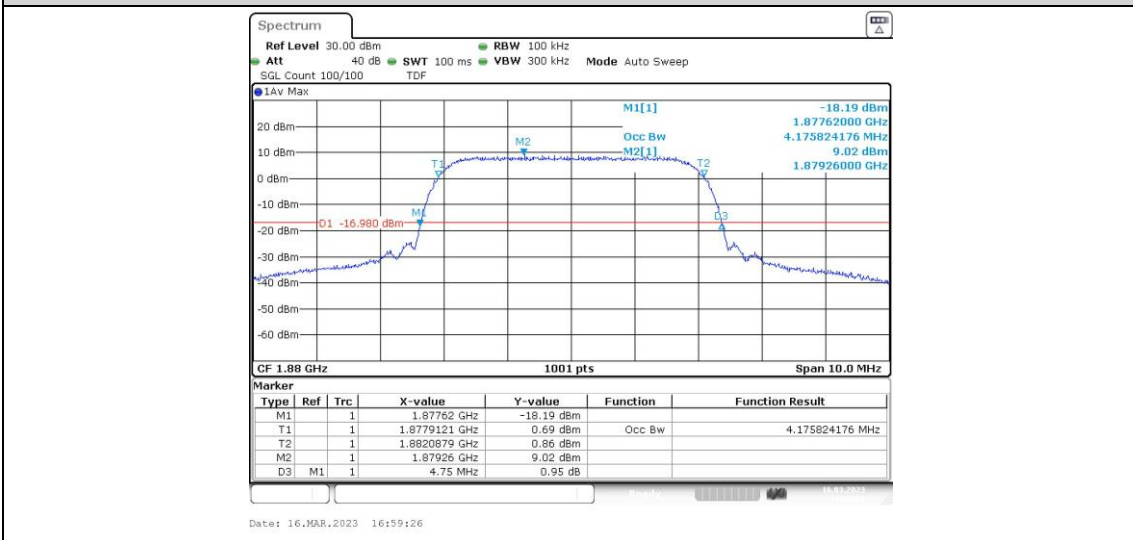
Band2-9400-1



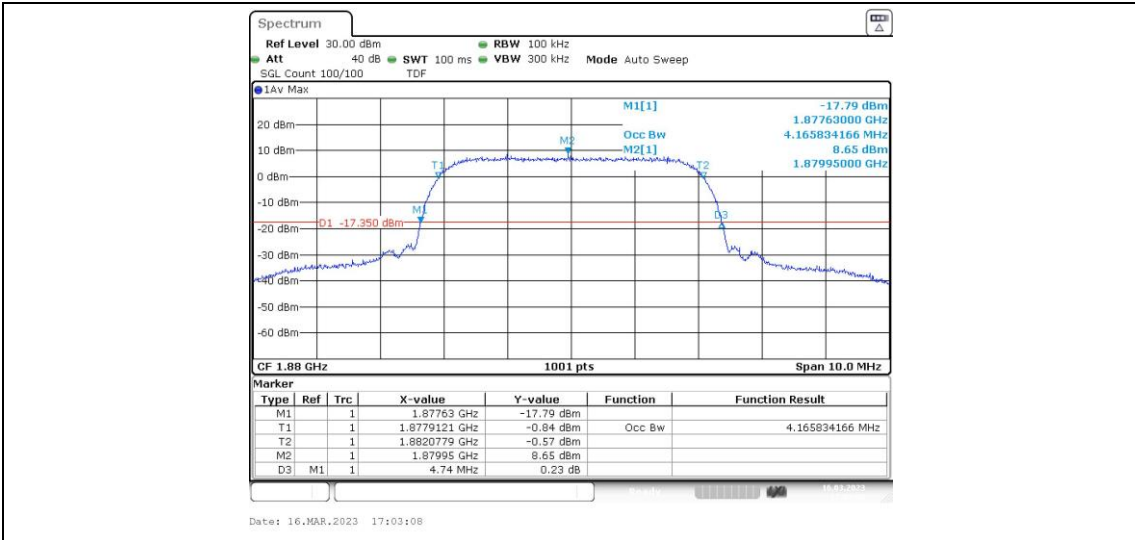
Band2-9400-2



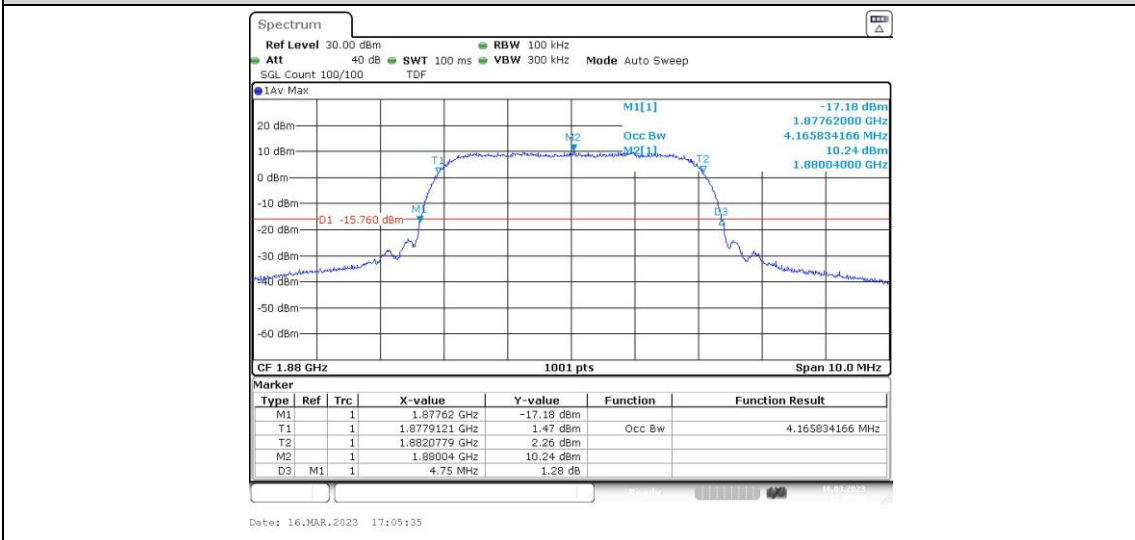
Band2-9400-3



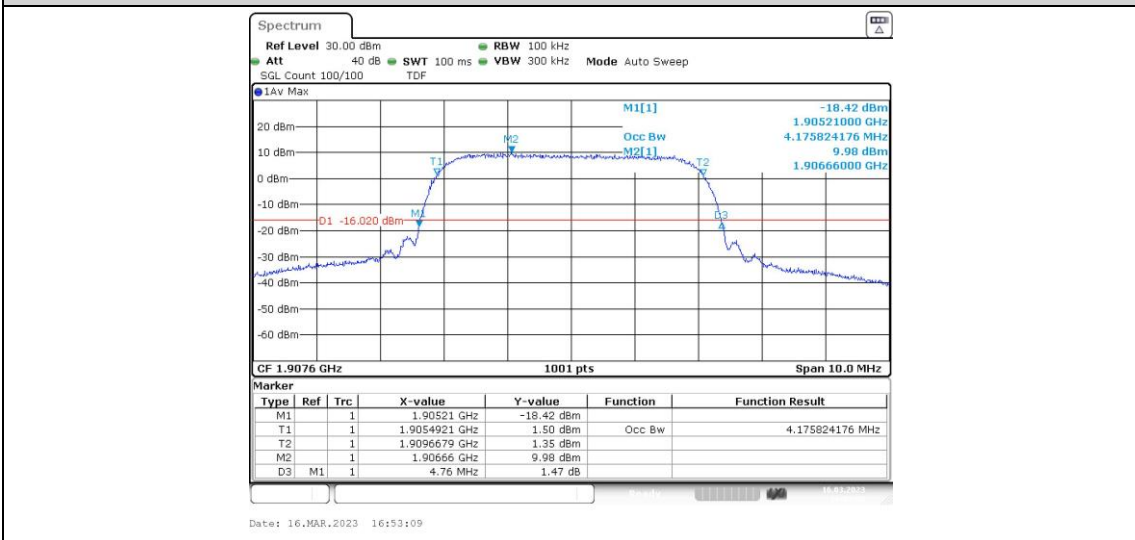
Band2-9400-4



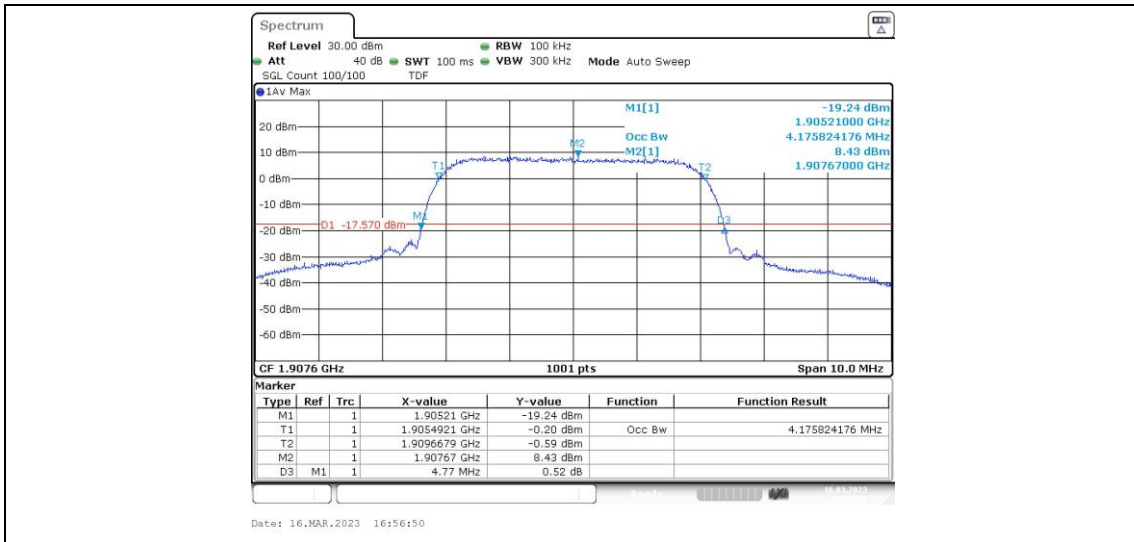
Band2-9400-5



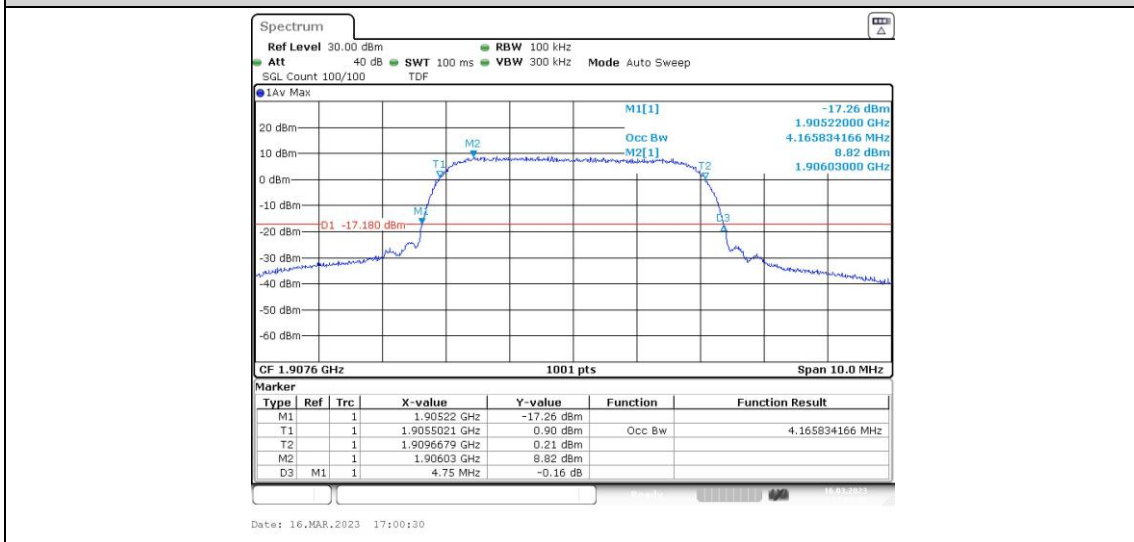
Band2-9538-1



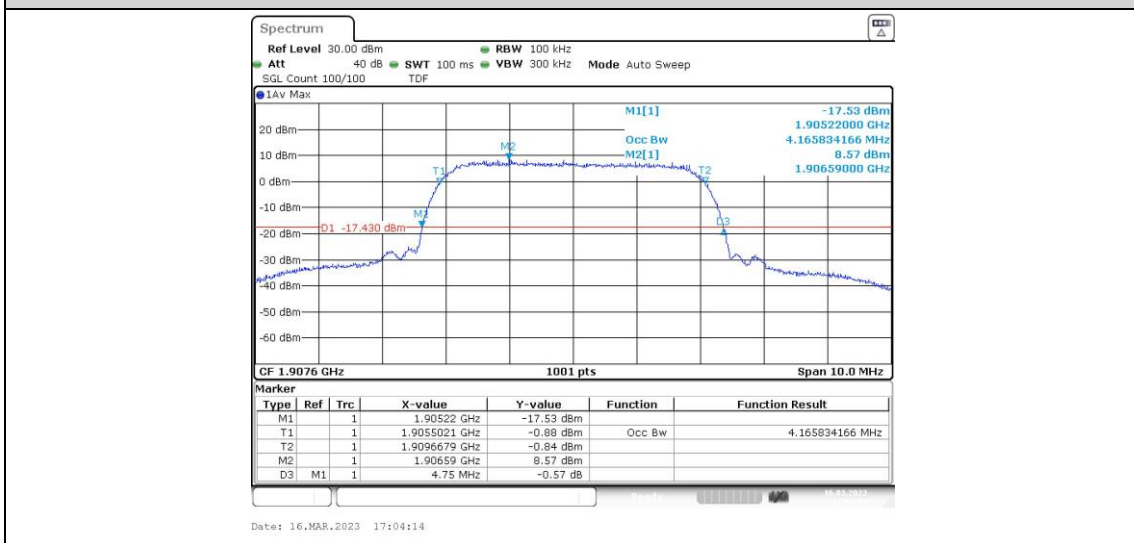
Band2-9538-2



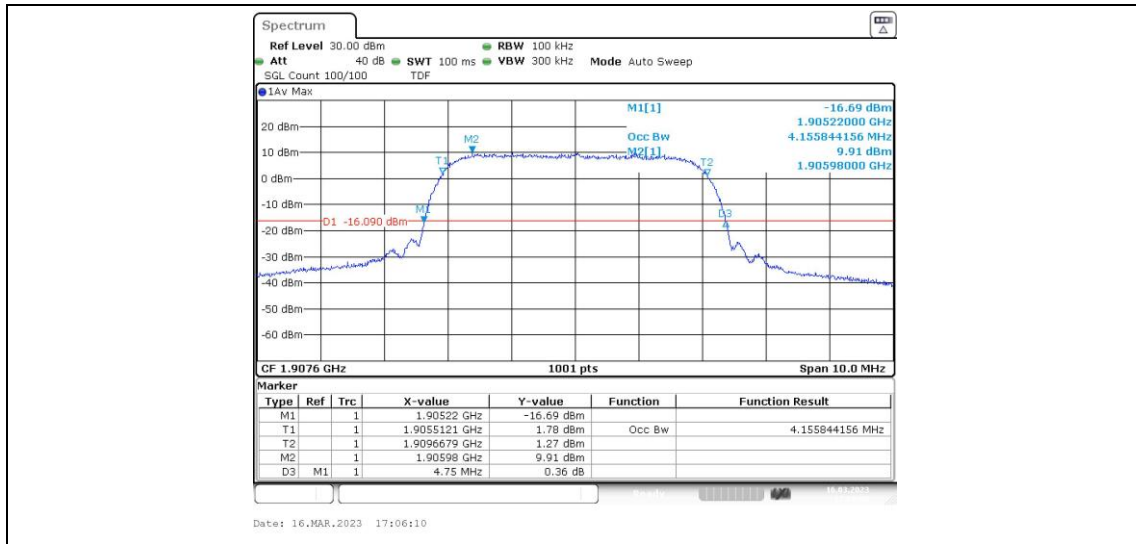
Band2-9538-3



Band2-9538-4



Band2-9538-5



AppendixD:Band Edge

Test Result

WCDMA

Band	Channel	Frequency (MHz)	Result (dBm)	Limit(dBm)	Verdict
Band2	9262	1849.83	-24.77	-13	PASS
Band2	9538	1910.14	-24.82	-13	PASS

HSDPA

Band	Channel	SubTest	Frequency (MHz)	Result (dBm)	Limit(dBm)	Verdict
Band2	9262	1	1849.80	-26.08	-13	PASS
Band2	9262	2	1850.00	-25.90	-13	PASS
Band2	9262	3	1850.00	-25.40	-13	PASS
Band2	9262	4	1850.00	-24.41	-13	PASS
Band2	9538	1	1910.20	-26.44	-13	PASS
Band2	9538	2	1910.00	-24.95	-13	PASS
Band2	9538	3	1910.00	-24.65	-13	PASS
Band2	9538	4	1910.00	-25.29	-13	PASS

HSDPA

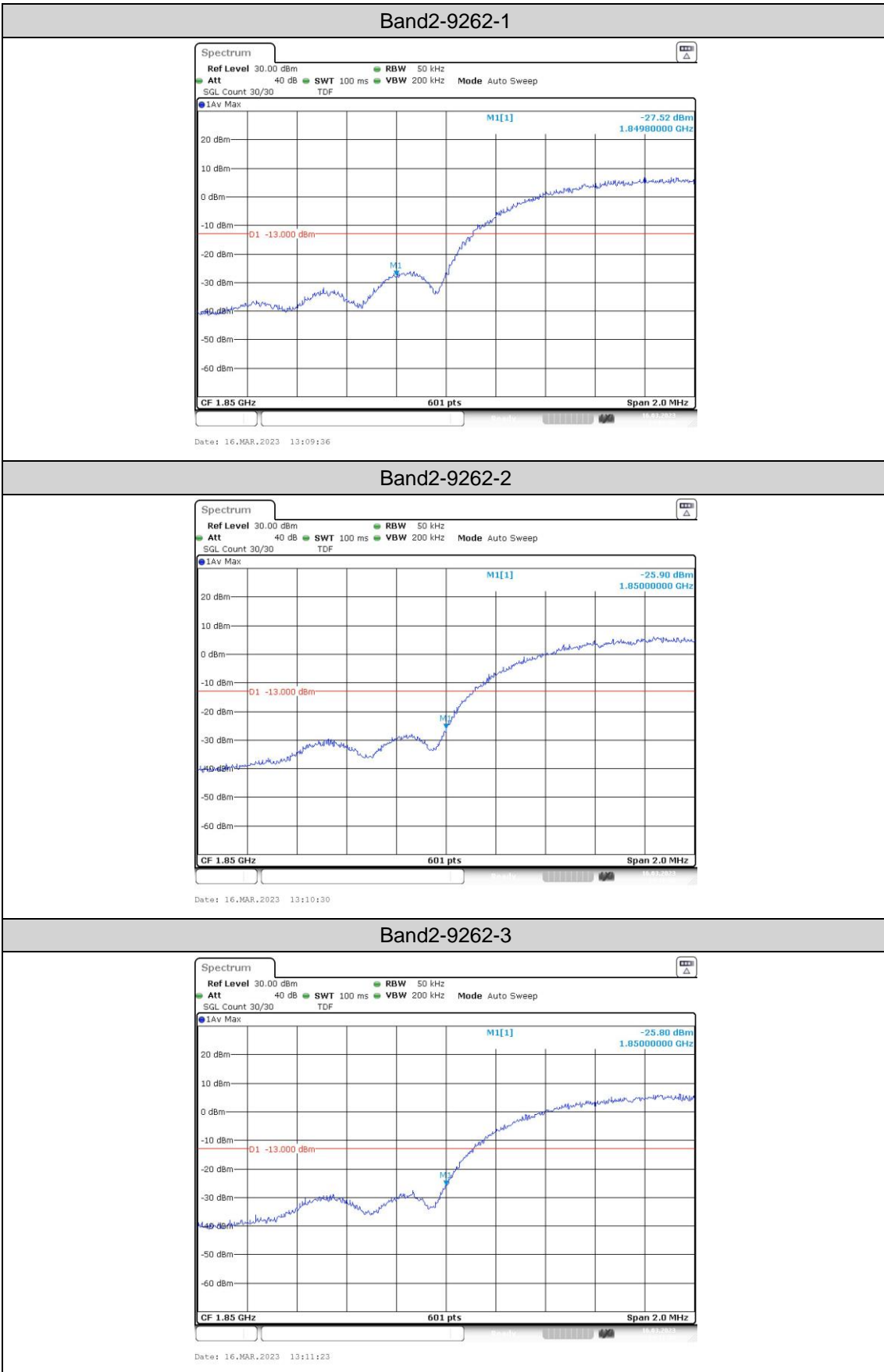
Band	Channel	SubTest	Frequency (MHz)	Result (dBm)	Limit(dBm)	Verdict
Band2	9262	1	1849.86	-25.61	-13	PASS
Band2	9262	2	1849.99	-26.98	-13	PASS
Band2	9262	3	1850.00	-26.54	-13	PASS
Band2	9262	4	1850.00	-26.79	-13	PASS
Band2	9262	5	1850.00	-26.14	-13	PASS
Band2	9538	1	1910.17	-26.59	-13	PASS
Band2	9538	2	1910.16	-27.42	-13	PASS
Band2	9538	3	1910.00	-27.34	-13	PASS
Band2	9538	4	1910.00	-28.82	-13	PASS
Band2	9538	5	1910.00	-26.07	-13	PASS

Test Graphs

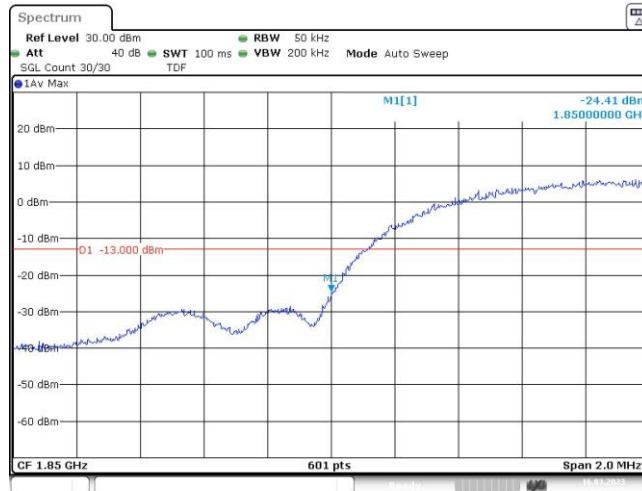
WCDMA



HSDPA

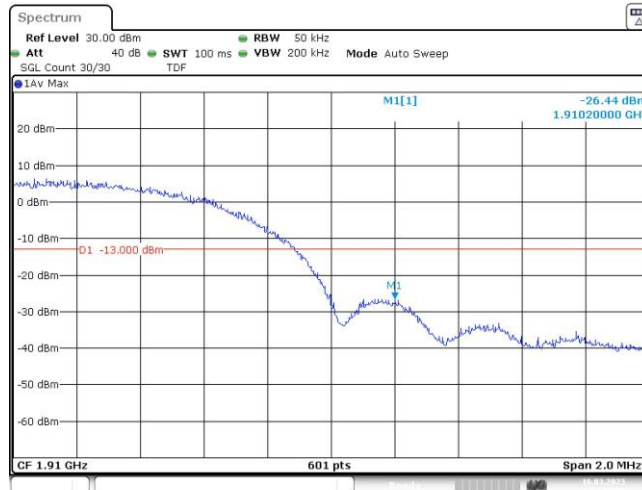


Band2-9262-4



Date: 16.MAR.2023 13:12:17

Band2-9538-1



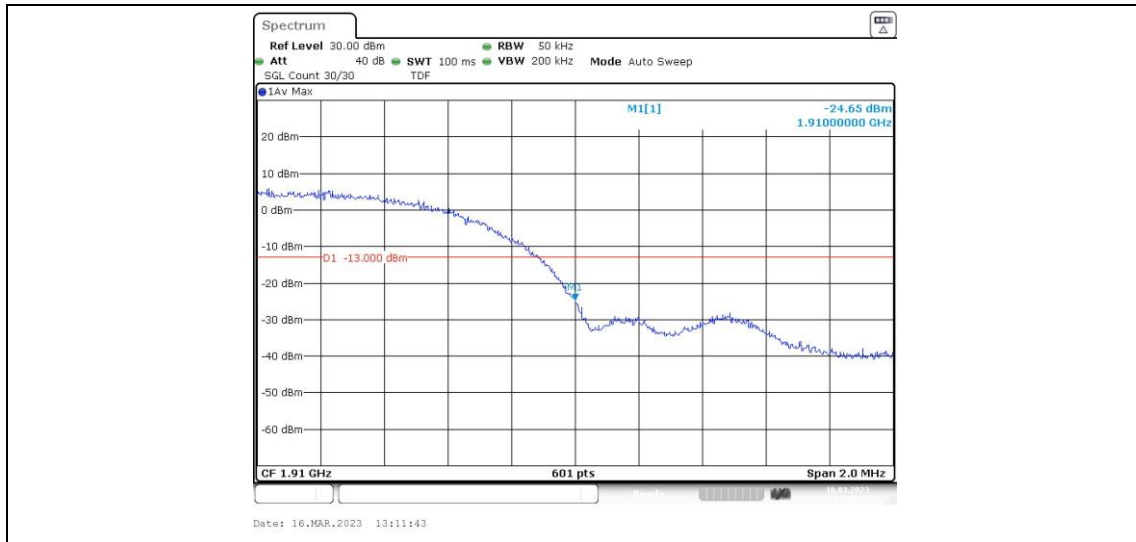
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Band2-9538-2

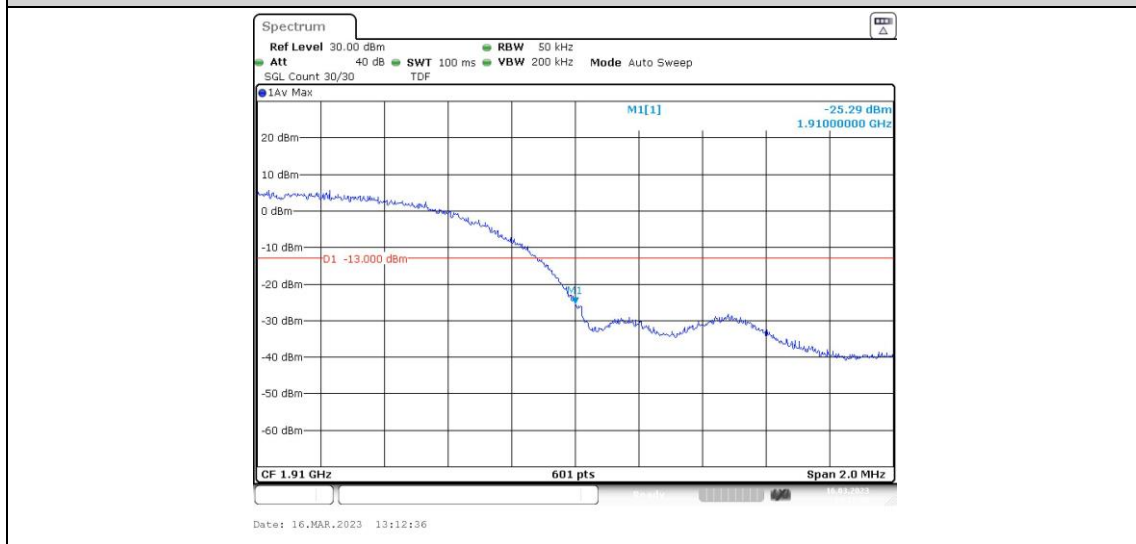


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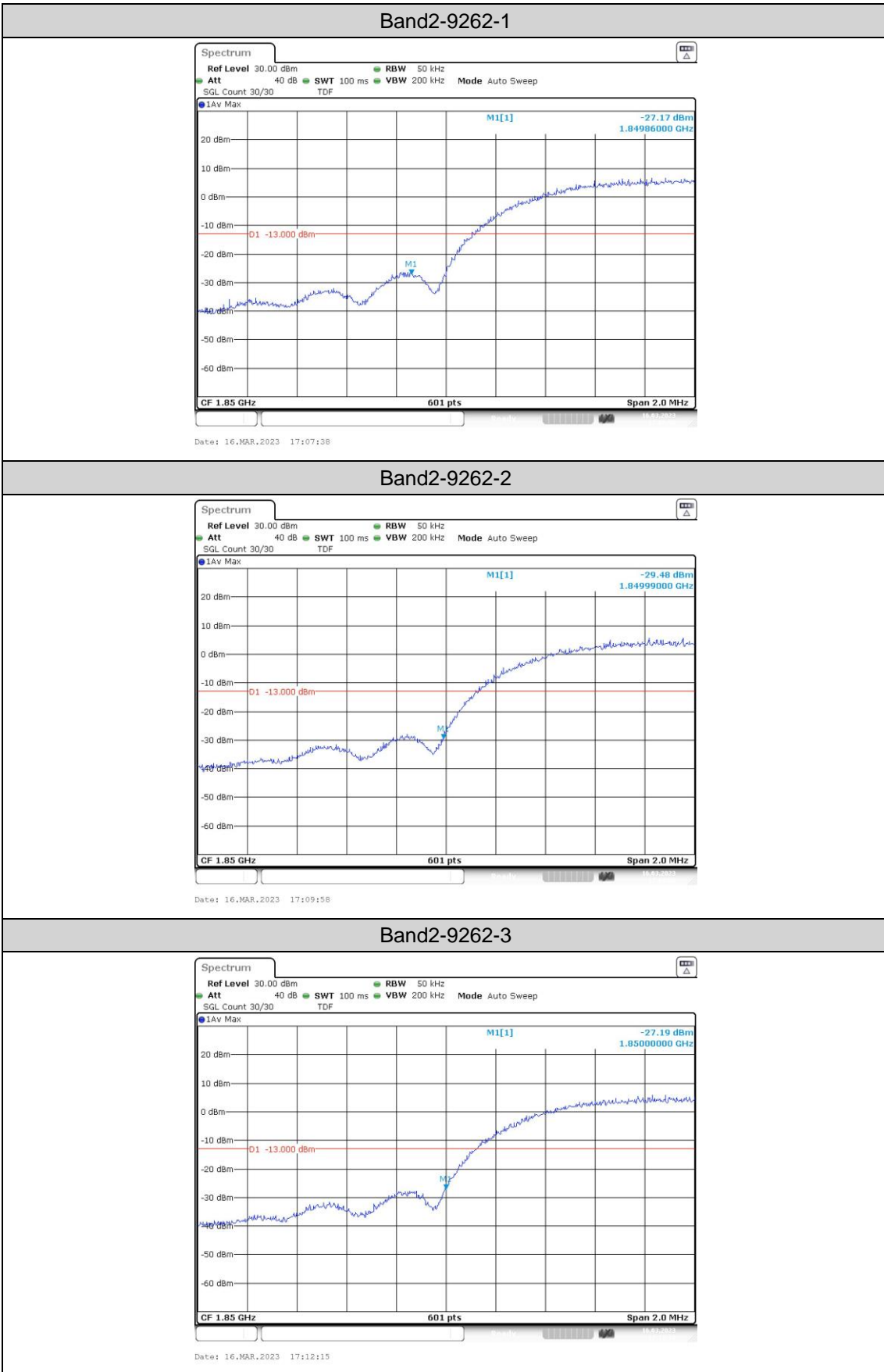
Band2-9538-3



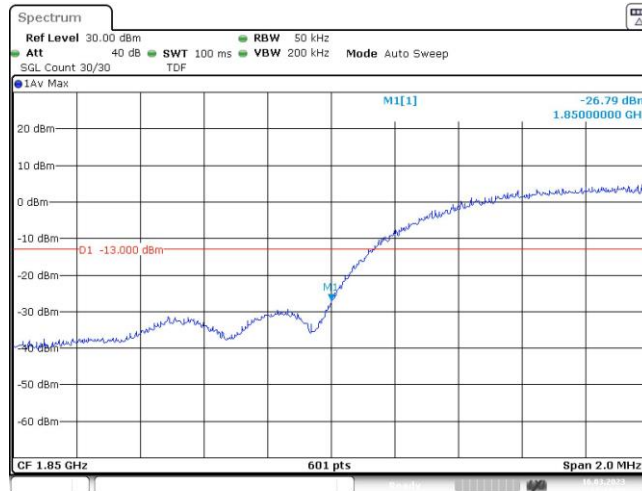
Band2-9538-4



HSUAP

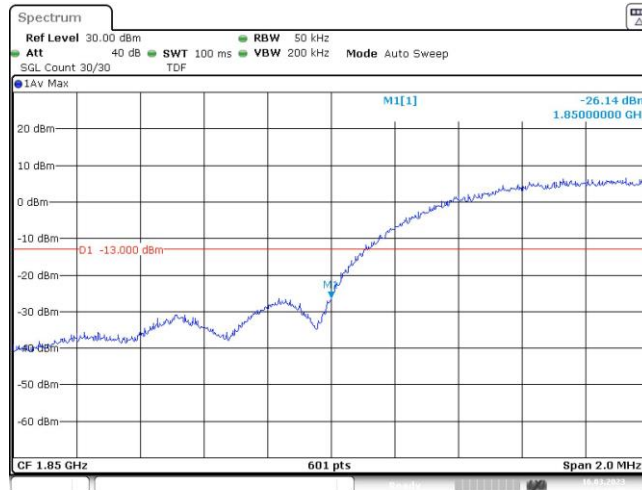


Band2-9262-4



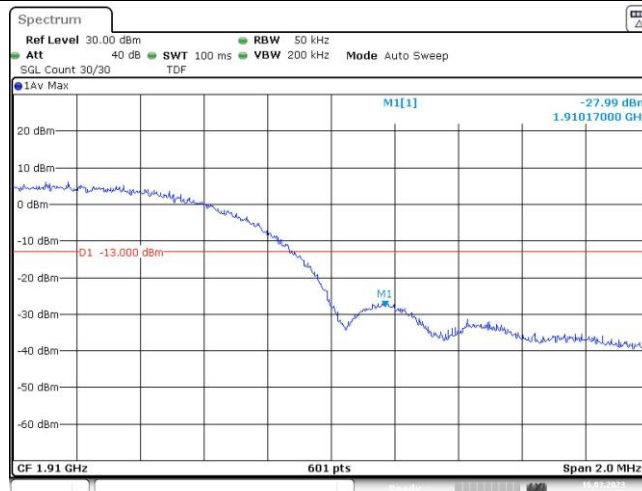
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Band2-9262-5



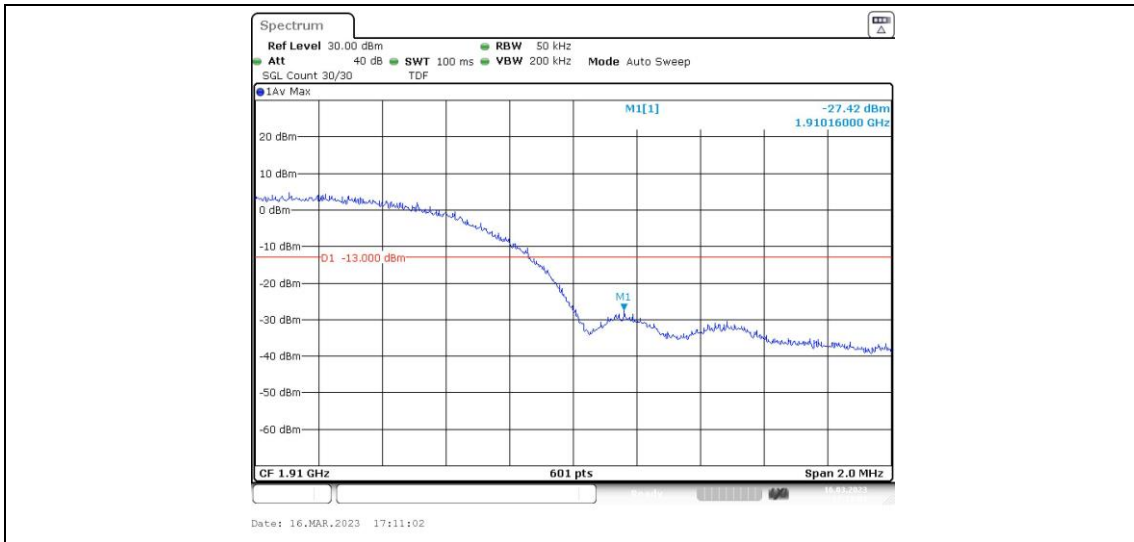
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Band2-9538-1

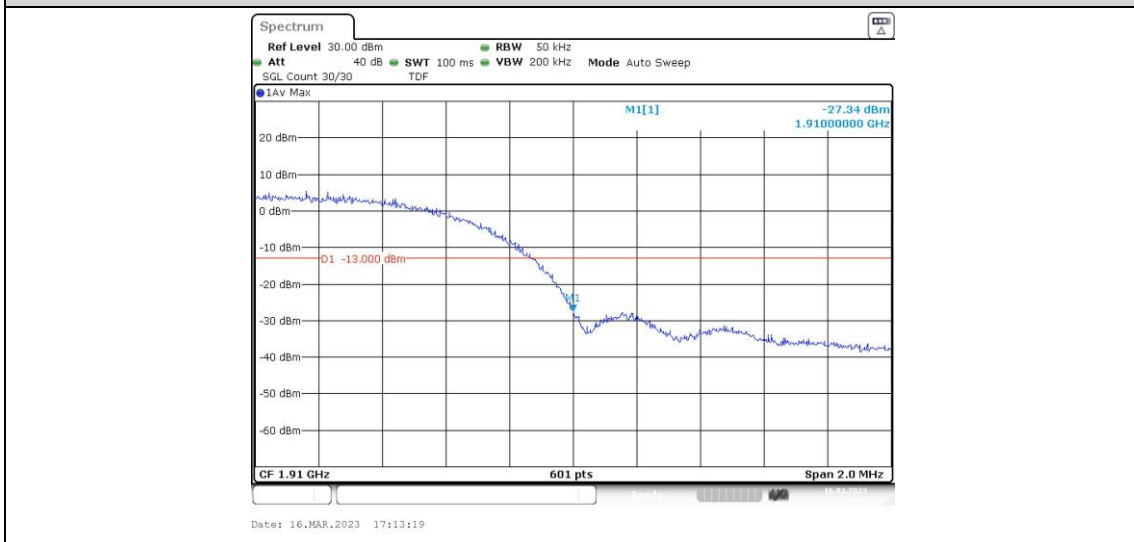


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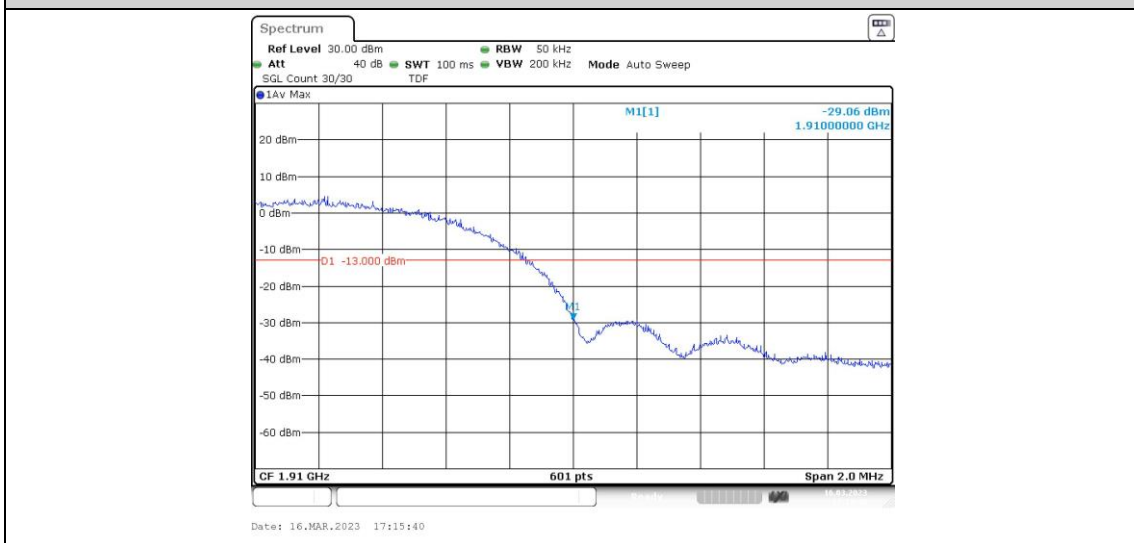
Band2-9538-2



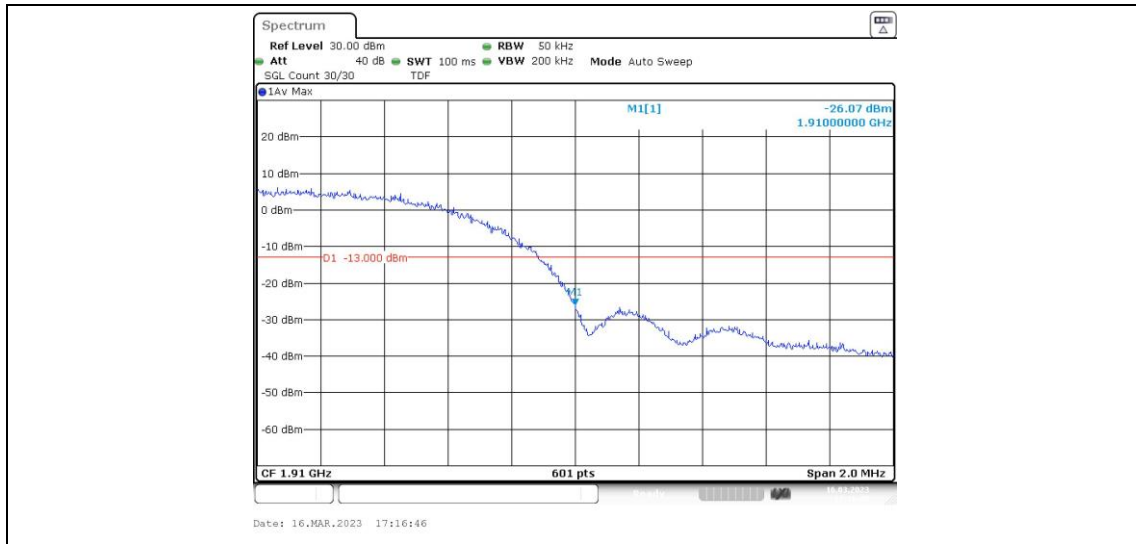
Band2-9538-3



Band2-9538-4



Band2-9538-5



Appendix E: Conducted Spurious Emission

Test Result

WCDMA

Band	Channel	Frequency Range (Mhz)	Frequency (dBm)	Result (dBm)	Limit (dBm)	Verdict
Band2	9262	0.009~0.15MHz	0.08	-73.04	-43	PASS
Band2	9262	0.15~30MHz	0.23	-63.84	-23	PASS
Band2	9262	30~1000MHz	972.13	-49.01	-13	PASS
Band2	9262	1000~20000MHz	12438	-42.42	-13	PASS
Band2	9400	0.009~0.15MHz	0.04	-73.31	-43	PASS
Band2	9400	0.15~30MHz	2.49	-65.12	-23	PASS
Band2	9400	30~1000MHz	997.33	-48.06	-13	PASS
Band2	9400	1000~20000MHz	12685	-42.4	-13	PASS
Band2	9538	0.009~0.15MHz	0.15	-72.45	-43	PASS
Band2	9538	0.15~30MHz	0.34	-61.95	-23	PASS
Band2	9538	30~1000MHz	975.03	-48.71	-13	PASS
Band2	9538	1000~20000MHz	12343	-42.19	-13	PASS

HSDPA

Band	Channel	SubTest	Frequency Range (Mhz)	Frequency (dBm)	Result (dBm)	Limit (dBm)	Verdict
Band2	9262	1	0.15~30MHz	0.17	-64.29	-23	PASS
Band2	9262	1	30~1000MHz	898.93	-47.49	-13	PASS
Band2	9262	1	1000~20000MHz	12656.5	-42.4	-13	PASS
Band2	9262	1	0.009~0.15MHz	0.01	-75.06	-43	PASS
Band2	9262	2	0.15~30MHz	0.97	-58.37	-23	PASS
Band2	9262	2	30~1000MHz	743.81	-48.84	-13	PASS
Band2	9262	2	1000~20000MHz	12362	-42.49	-13	PASS
Band2	9262	2	0.009~0.15MHz	0.01	-75.14	-43	PASS
Band2	9262	3	0.15~30MHz	0.97	-55.87	-23	PASS
Band2	9262	3	0.009~0.15MHz	0.01	-68.51	-43	PASS
Band2	9262	3	1000~20000MHz	12400	-42.37	-13	PASS
Band2	9262	3	30~1000MHz	810.22	-48.76	-13	PASS
Band2	9262	4	0.15~30MHz	0.97	-56.72	-23	PASS
Band2	9262	4	1000~20000MHz	12675.5	-42.52	-13	PASS
Band2	9262	4	0.009~0.15MHz	0.09	-76.14	-43	PASS
Band2	9262	4	30~1000MHz	960.01	-48.74	-13	PASS
Band2	9400	1	1000~20000MHz	12675.5	-42.24	-13	PASS
Band2	9400	1	30~1000MHz	862.09	-48.66	-13	PASS
Band2	9400	1	0.009~0.15MHz	0.07	-76.64	-43	PASS

Band2	9400	1	0.15~30MHz	1	-64.87	-23	PASS
Band2	9400	2	0.15~30MHz	0.97	-57.95	-23	PASS
Band2	9400	2	30~1000MHz	994.43	-48.53	-13	PASS
Band2	9400	2	0.009~0.15MHz	0.07	-75.48	-43	PASS
Band2	9400	2	1000~20000MHz	12409.5	-42.31	-13	PASS
Band2	9400	3	30~1000MHz	933.35	-49.09	-13	PASS
Band2	9400	3	0.15~30MHz	0.97	-57.46	-23	PASS
Band2	9400	3	1000~20000MHz	12694.5	-42.56	-13	PASS
Band2	9400	3	0.009~0.15MHz	0.1	-74.77	-43	PASS
Band2	9400	4	0.009~0.15MHz	0.04	-75.02	-43	PASS
Band2	9400	4	0.15~30MHz	0.97	-57.56	-23	PASS
Band2	9400	4	30~1000MHz	884.87	-48.84	-13	PASS
Band2	9400	4	1000~20000MHz	12381	-42.54	-13	PASS
Band2	9538	1	0.15~30MHz	0.49	-64.29	-23	PASS
Band2	9538	1	30~1000MHz	831.06	-48.03	-13	PASS
Band2	9538	1	1000~20000MHz	12666	-42.37	-13	PASS
Band2	9538	1	0.009~0.15MHz	0.01	-77.25	-43	PASS
Band2	9538	2	0.009~0.15MHz	0.07	-75.84	-43	PASS
Band2	9538	2	0.15~30MHz	0.97	-59.59	-23	PASS
Band2	9538	2	1000~20000MHz	12694.5	-42.55	-13	PASS
Band2	9538	2	30~1000MHz	967.76	-48.13	-13	PASS
Band2	9538	3	0.009~0.15MHz	0.09	-74.72	-43	PASS
Band2	9538	3	0.15~30MHz	0.97	-57.72	-23	PASS
Band2	9538	3	30~1000MHz	961.46	-48.78	-13	PASS
Band2	9538	3	1000~20000MHz	12400	-42.57	-13	PASS
Band2	9538	4	1000~20000MHz	12419	-42.47	-13	PASS
Band2	9538	4	0.009~0.15MHz	0.04	-73.67	-43	PASS
Band2	9538	4	0.15~30MHz	0.97	-56.51	-23	PASS
Band2	9538	4	30~1000MHz	778.71	-48.66	-13	PASS

HSUPA

Band	Channel	SubTest	Frequency Range (Mhz)	Frequency (dBm)	Result (dBm)	Limit (dBm)	Verdict
Band2	9262	1	0.15~30MHz	0.94	-62.77	-23	PASS
Band2	9262	1	30~1000MHz	962.43	-47.48	-13	PASS
Band2	9262	1	1000~20000MHz	12371.5	-42.37	-13	PASS
Band2	9262	1	0.009~0.15MHz	0.06	-71.87	-43	PASS
Band2	9262	2	30~1000MHz	732.66	-48.07	-13	PASS
Band2	9262	2	1000~20000MHz	12371.5	-42.53	-13	PASS
Band2	9262	2	0.15~30MHz	0.97	-61.53	-23	PASS
Band2	9262	2	0.009~0.15MHz	0.01	-68.77	-43	PASS
Band2	9262	3	1000~20000MHz	12381	-42.58	-13	PASS

Band2	9262	3	0.009~0.15MHz	0.01	-71.13	-43	PASS
Band2	9262	3	0.15~30MHz	0.97	-63.33	-23	PASS
Band2	9262	3	30~1000MHz	949.83	-48.56	-13	PASS
Band2	9262	4	1000~20000MHz	12571	-42.62	-13	PASS
Band2	9262	4	0.009~0.15MHz	0.01	-71.06	-43	PASS
Band2	9262	4	30~1000MHz	948.86	-48.42	-13	PASS
Band2	9262	4	0.15~30MHz	0.94	-61.57	-23	PASS
Band2	9262	5	0.009~0.15MHz	0.11	-74.1	-43	PASS
Band2	9262	5	1000~20000MHz	12400	-42.59	-13	PASS
Band2	9262	5	0.15~30MHz	0.88	-61.34	-23	PASS
Band2	9262	5	30~1000MHz	939.65	-48.75	-13	PASS
Band2	9400	1	1000~20000MHz	12685	-42.31	-13	PASS
Band2	9400	1	30~1000MHz	644.92	-49.03	-13	PASS
Band2	9400	1	0.009~0.15MHz	0.15	-72.36	-43	PASS
Band2	9400	1	0.15~30MHz	0.94	-63.91	-23	PASS
Band2	9400	2	0.009~0.15MHz	0.01	-65.17	-43	PASS
Band2	9400	2	30~1000MHz	779.68	-48.85	-13	PASS
Band2	9400	2	0.15~30MHz	0.94	-60.84	-23	PASS
Band2	9400	2	1000~20000MHz	12390.5	-42.53	-13	PASS
Band2	9400	3	0.15~30MHz	0.97	-62.38	-23	PASS
Band2	9400	3	30~1000MHz	965.34	-48.74	-13	PASS
Band2	9400	3	1000~20000MHz	12409.5	-42.47	-13	PASS
Band2	9400	3	0.009~0.15MHz	0.01	-70.79	-43	PASS
Band2	9400	4	0.009~0.15MHz	0.01	-71.08	-43	PASS
Band2	9400	4	1000~20000MHz	12371.5	-42.62	-13	PASS
Band2	9400	4	0.15~30MHz	0.23	-62.4	-23	PASS
Band2	9400	4	30~1000MHz	972.61	-48.45	-13	PASS
Band2	9400	5	1000~20000MHz	12637.5	-42.56	-13	PASS
Band2	9400	5	0.15~30MHz	0.49	-60.42	-23	PASS
Band2	9400	5	30~1000MHz	893.11	-47.92	-13	PASS
Band2	9400	5	0.009~0.15MHz	0.07	-75.32	-43	PASS
Band2	9538	1	1000~20000MHz	12409.5	-42.58	-13	PASS
Band2	9538	1	30~1000MHz	992.49	-48.1	-13	PASS
Band2	9538	1	0.15~30MHz	0.7	-63.39	-23	PASS
Band2	9538	1	0.009~0.15MHz	0.01	-71.85	-43	PASS
Band2	9538	2	0.009~0.15MHz	0.01	-70.27	-43	PASS
Band2	9538	2	0.15~30MHz	0.97	-62.18	-23	PASS
Band2	9538	2	30~1000MHz	916.38	-49.24	-13	PASS
Band2	9538	2	1000~20000MHz	12628	-42.26	-13	PASS
Band2	9538	3	30~1000MHz	985.21	-48.13	-13	PASS
Band2	9538	3	1000~20000MHz	12400	-42.48	-13	PASS
Band2	9538	3	0.009~0.15MHz	0.01	-71.77	-43	PASS

Band2	9538	3	0.15~30MHz	0.37	-63.55	-23	PASS
Band2	9538	4	0.009~0.15MHz	0.13	-78.32	-43	PASS
Band2	9538	4	1000~20000MHz	12495	-42.45	-13	PASS
Band2	9538	4	0.15~30MHz	0.64	-63.8	-23	PASS
Band2	9538	4	30~1000MHz	853.85	-48.37	-13	PASS
Band2	9538	5	1000~20000MHz	12685	-42.19	-13	PASS
Band2	9538	5	0.009~0.15MHz	0.12	-73.92	-43	PASS
Band2	9538	5	0.15~30MHz	0.49	-62.53	-23	PASS
Band2	9538	5	30~1000MHz	901.35	-48.85	-13	PASS