

Appendix for WCMDA Band 2

Product Name: Zenius08

Model No: GMT-08QA-2301

Appendix A: Average Power Output Data

Test Result

WCDMA

Band	Channel	Power(dBm)	Verdict
Band2	9262	23.04	PASS
Band2	9400	23.46	PASS
Band2	9538	22.99	PASS

HSDPA

Band	Channel	SubTest	Power(dBm)	Verdict
Band2	9262	1	22.02	PASS
Band2	9262	2	21.54	PASS
Band2	9262	3	21.52	PASS
Band2	9262	4	21.54	PASS
Band2	9400	1	22.46	PASS
Band2	9400	2	21.96	PASS
Band2	9400	3	21.94	PASS
Band2	9400	4	21.92	PASS
Band2	9538	1	22.01	PASS
Band2	9538	2	21.44	PASS
Band2	9538	3	21.47	PASS
Band2	9538	4	21.45	PASS

HSUPA

Band	Channel	SubTest	Power(dBm)	Limit(dBm)	Verdict
Band2	9262	1	21.99	33.01	PASS
Band2	9262	2	20.62	33.01	PASS
Band2	9262	3	21.03	33.01	PASS
Band2	9262	4	20.95	33.01	PASS
Band2	9262	5	22.06	33.01	PASS
Band2	9400	1	22.32	33.01	PASS
Band2	9400	2	20.96	33.01	PASS
Band2	9400	3	21.50	33.01	PASS
Band2	9400	4	20.31	33.01	PASS
Band2	9400	5	22.47	33.01	PASS

Band2	9538	1	21.87	33.01	PASS
Band2	9538	2	20.60	33.01	PASS
Band2	9538	3	20.91	33.01	PASS
Band2	9538	4	20.95	33.01	PASS
Band2	9538	5	21.87	33.01	PASS

AppendixB:Peak-to-Average Ratio

Test Result

WCDMA

Band	Channel	Peak-to-Average Ratio(dB)	Limit(dB)	Verdict
Band2	9262	3.19	13	PASS
Band2	9400	3.19	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	3.48	13	PASS
Band2	9262	3	3.65	13	PASS
Band2	9262	4	3.68	13	PASS
Band2	9400	1	3.3	13	PASS
Band2	9400	2	3.48	13	PASS
Band2	9400	3	3.65	13	PASS
Band2	9400	4	3.68	13	PASS
Band2	9538	1	3.33	13	PASS
Band2	9538	2	3.59	13	PASS
Band2	9538	3	3.77	13	PASS
Band2	9538	4	3.86	13	PASS

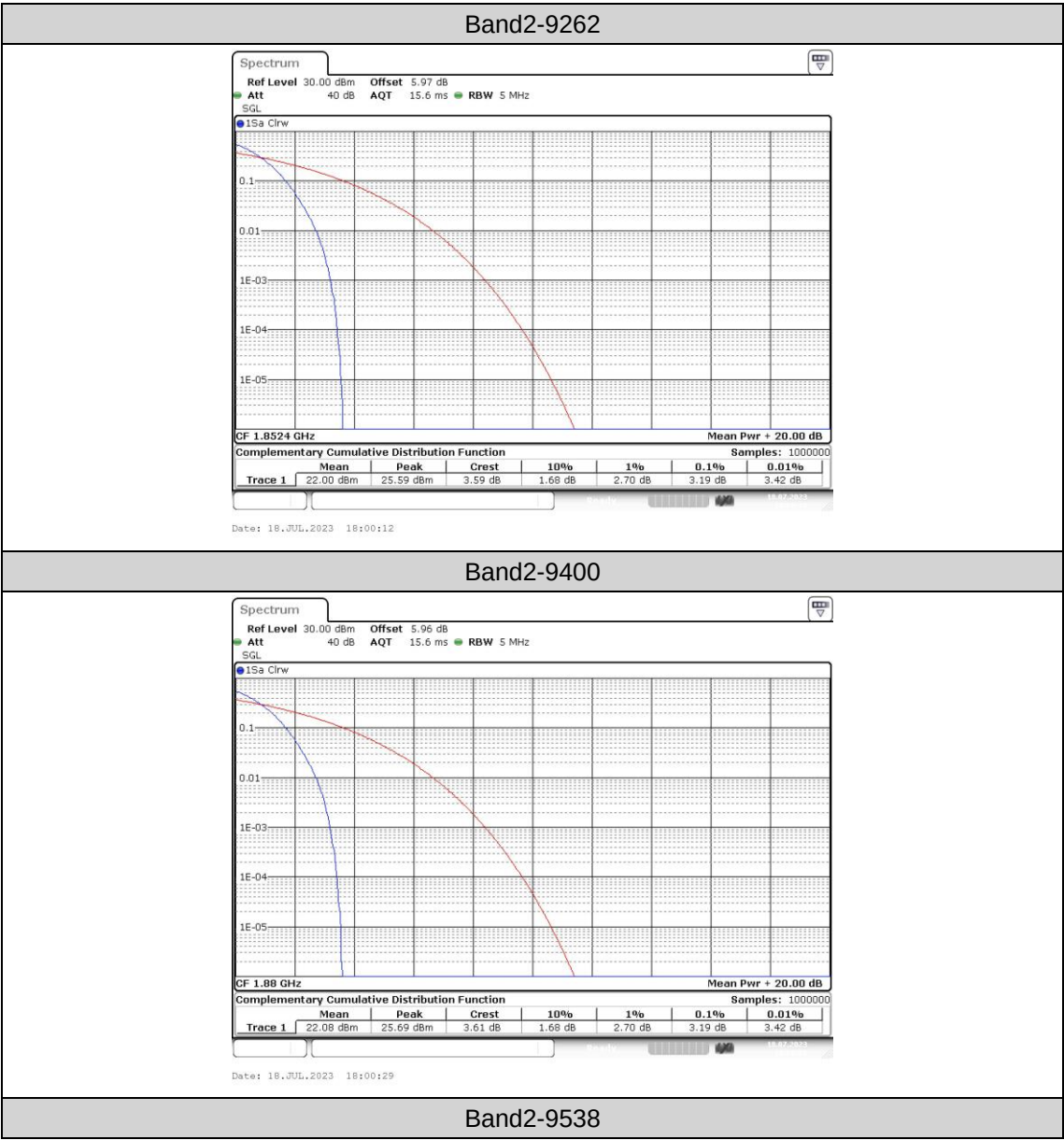
HSUPA

Band	Channel	SubTest	Peak-to-Average Ratio(dB)	Limit(dB)	Verdict
Band2	9262	1	4.55	13	PASS
Band2	9262	2	5.33	13	PASS
Band2	9262	3	5.36	13	PASS
Band2	9262	4	5.51	13	PASS
Band2	9262	5	4.41	13	PASS
Band2	9400	1	4.49	13	PASS
Band2	9400	2	5.36	13	PASS
Band2	9400	3	5.36	13	PASS
Band2	9400	4	5.48	13	PASS
Band2	9400	5	4.41	13	PASS
Band2	9538	1	4.67	13	PASS

Band2	9538	2	5.39	13	PASS
Band2	9538	3	5.39	13	PASS
Band2	9538	4	5.51	13	PASS
Band2	9538	5	4.46	13	PASS

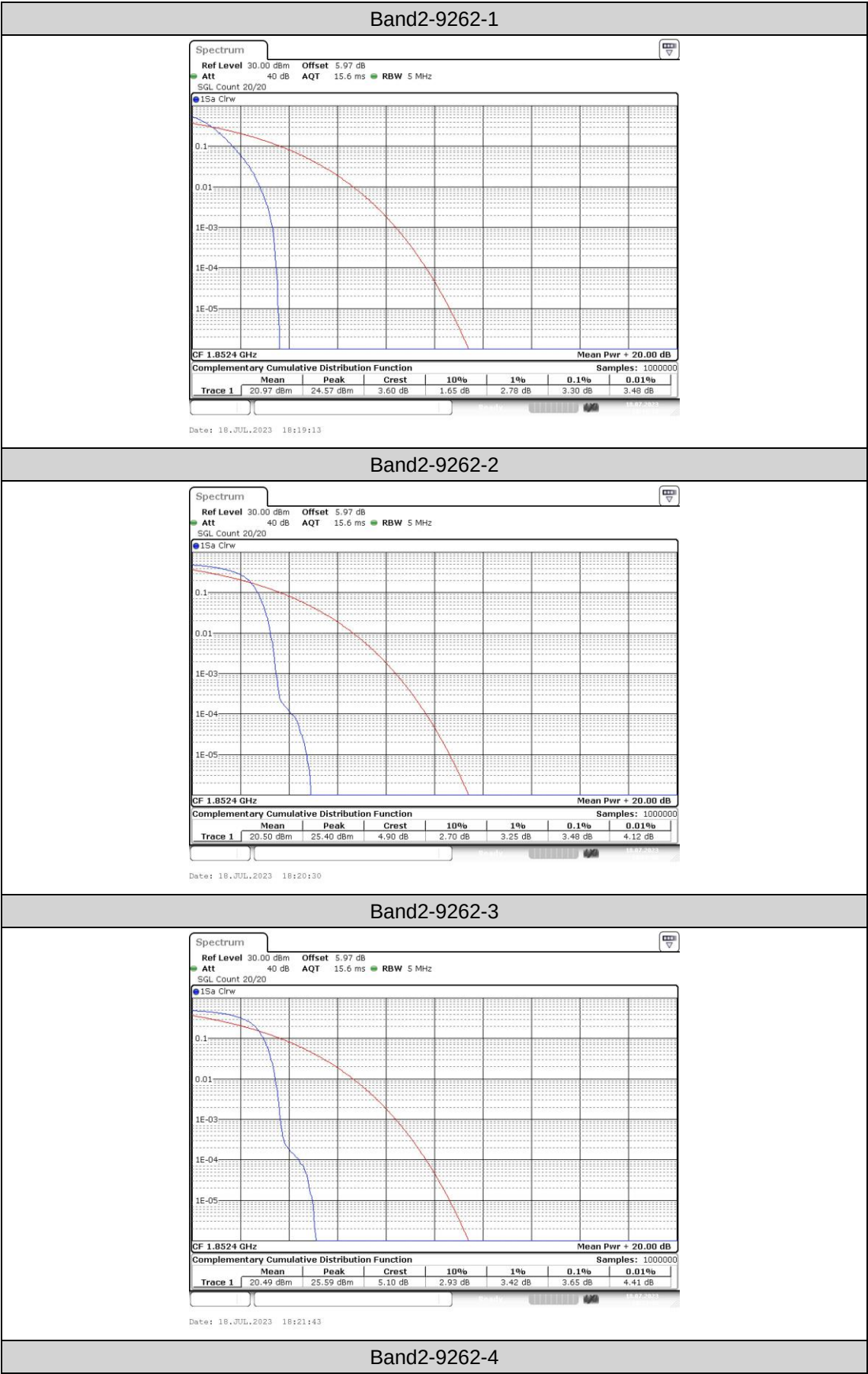
Test Graphs

WCDMA



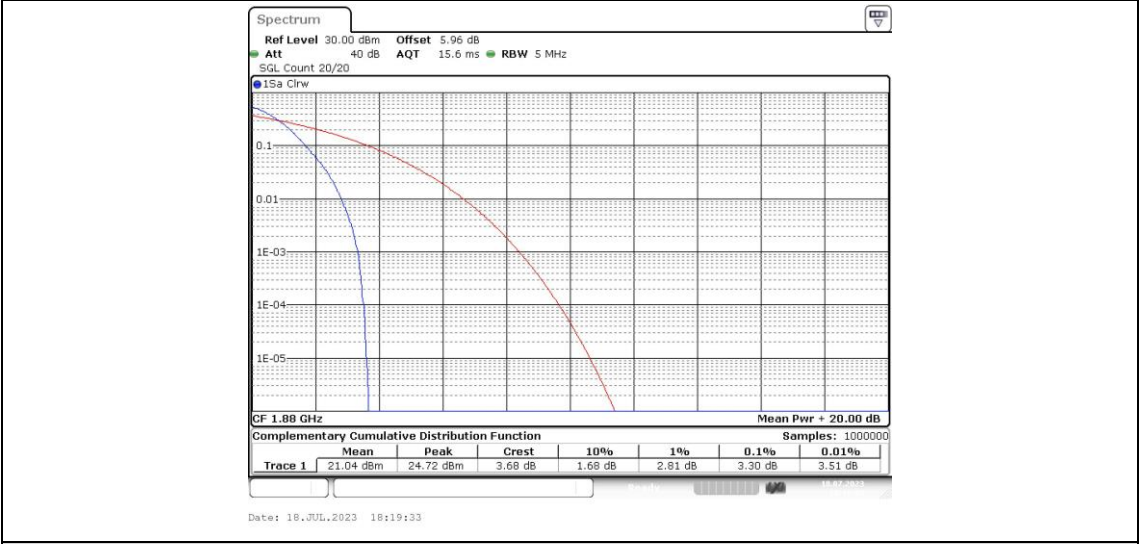


HSDPA

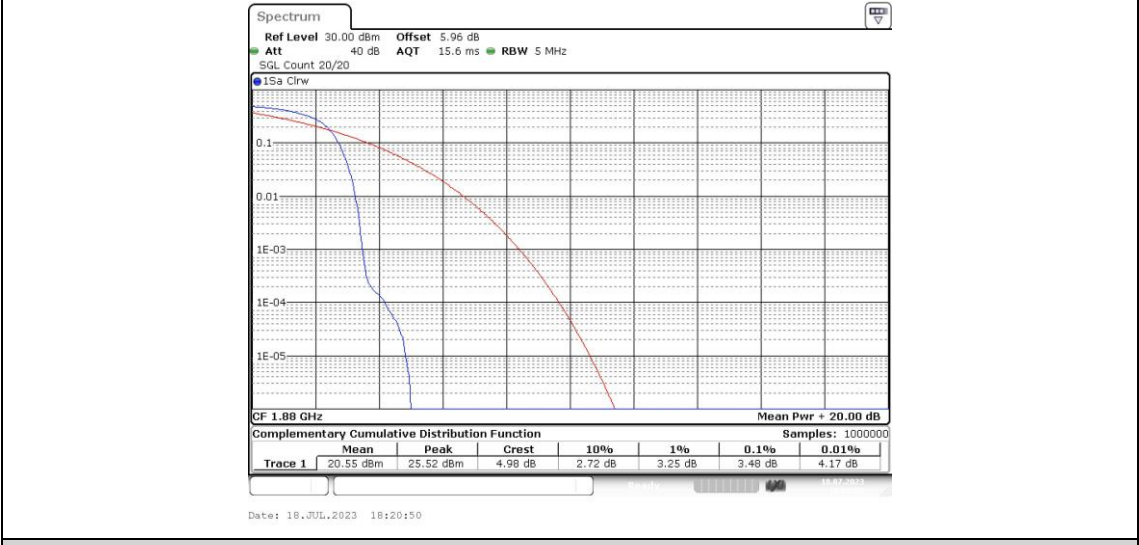




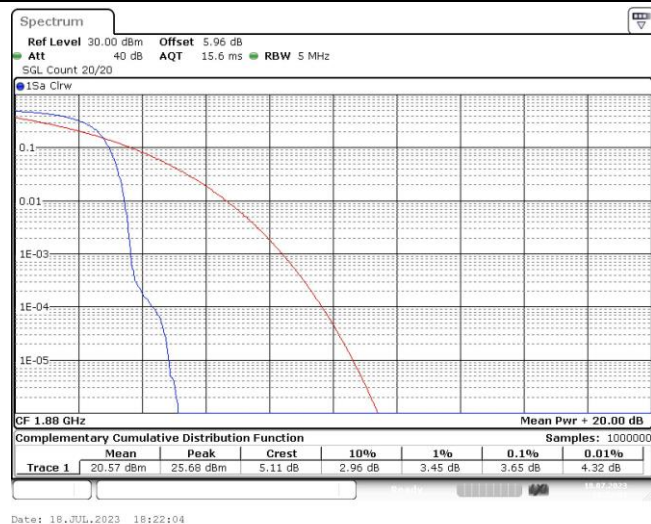
Band2-9400-1



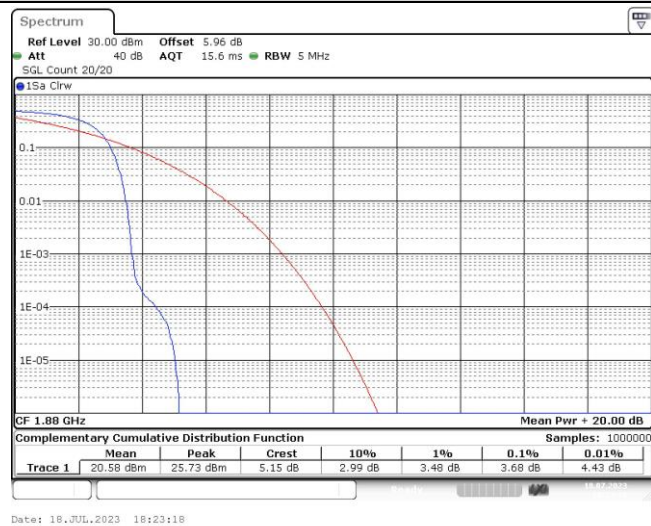
Band2-9400-2



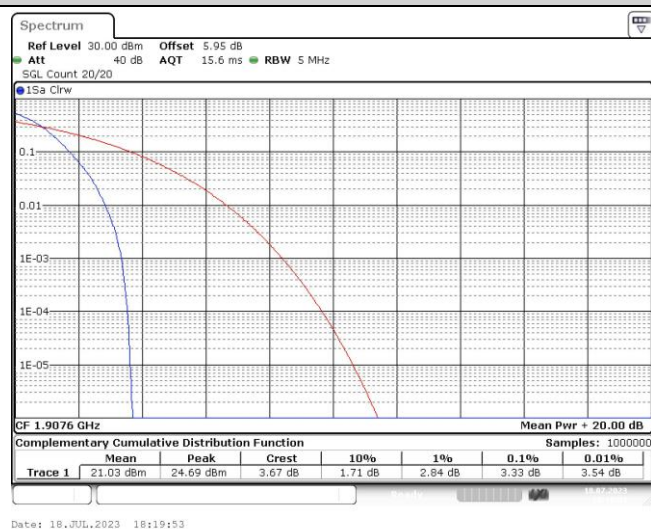
Band2-9400-3



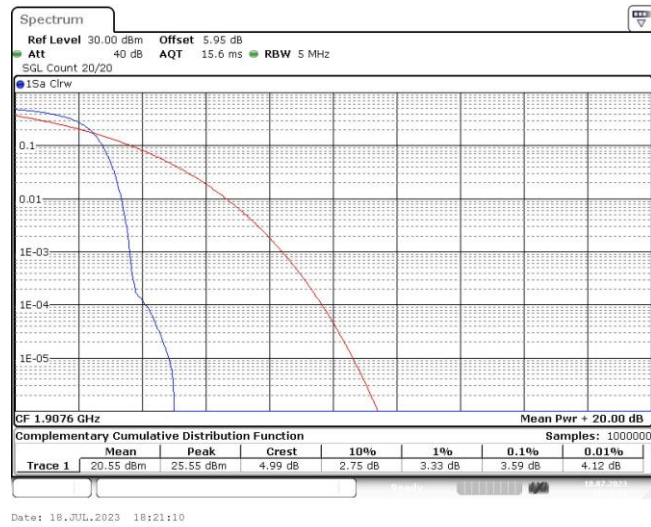
Band2-9400-4



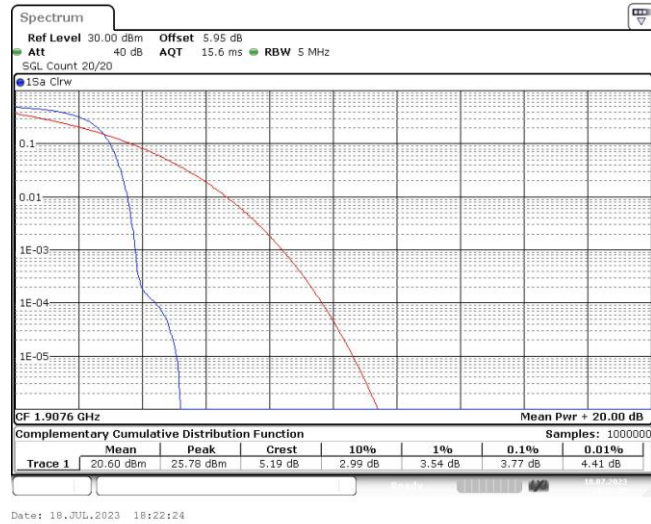
Band2-9538-1



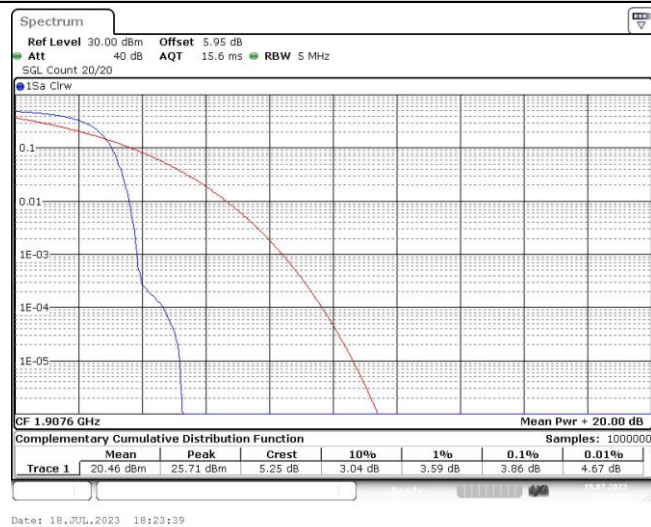
Band2-9538-2



Band2-9538-3

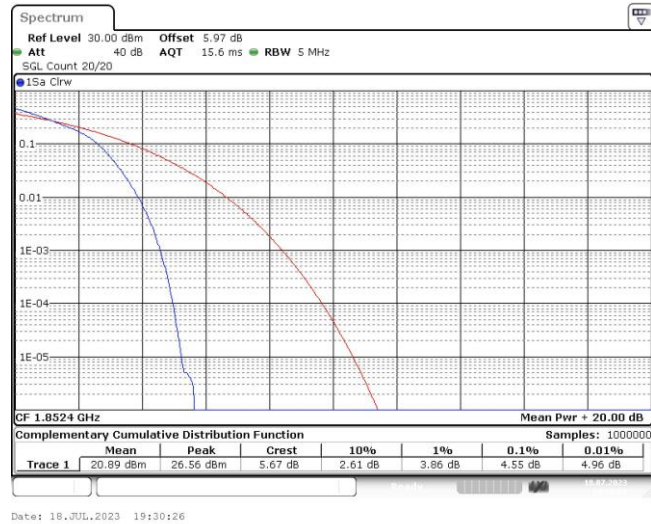


Band2-9538-4

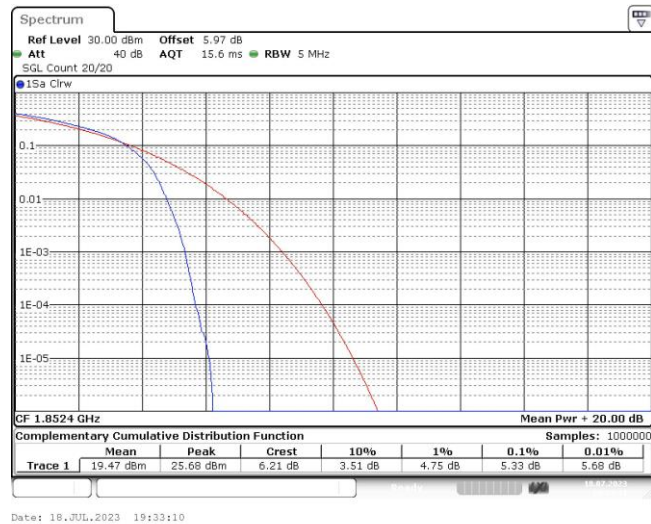


HSUPA

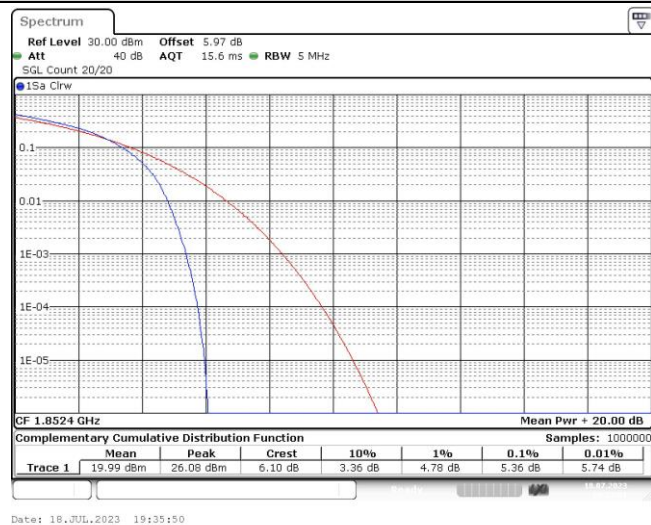
Band2-9262-1



Band2-9262-2



Band2-9262-3



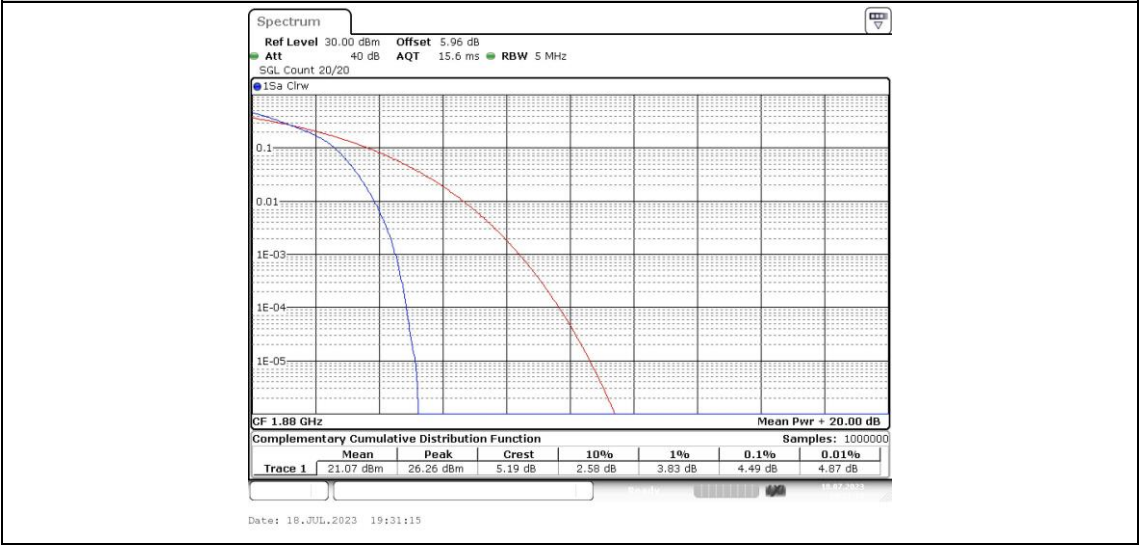
Band2-9262-4



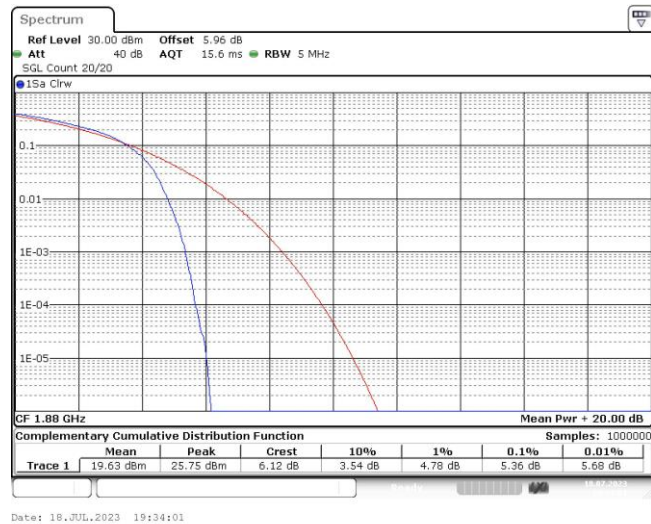
Band2-9262-5



Band2-9400-1



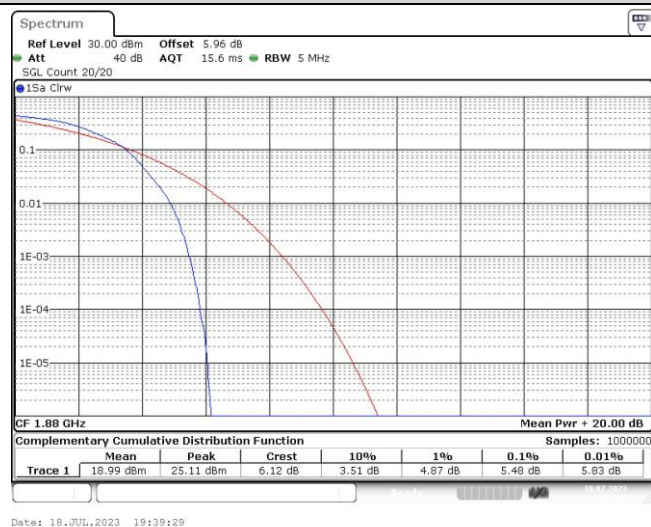
Band2-9400-2



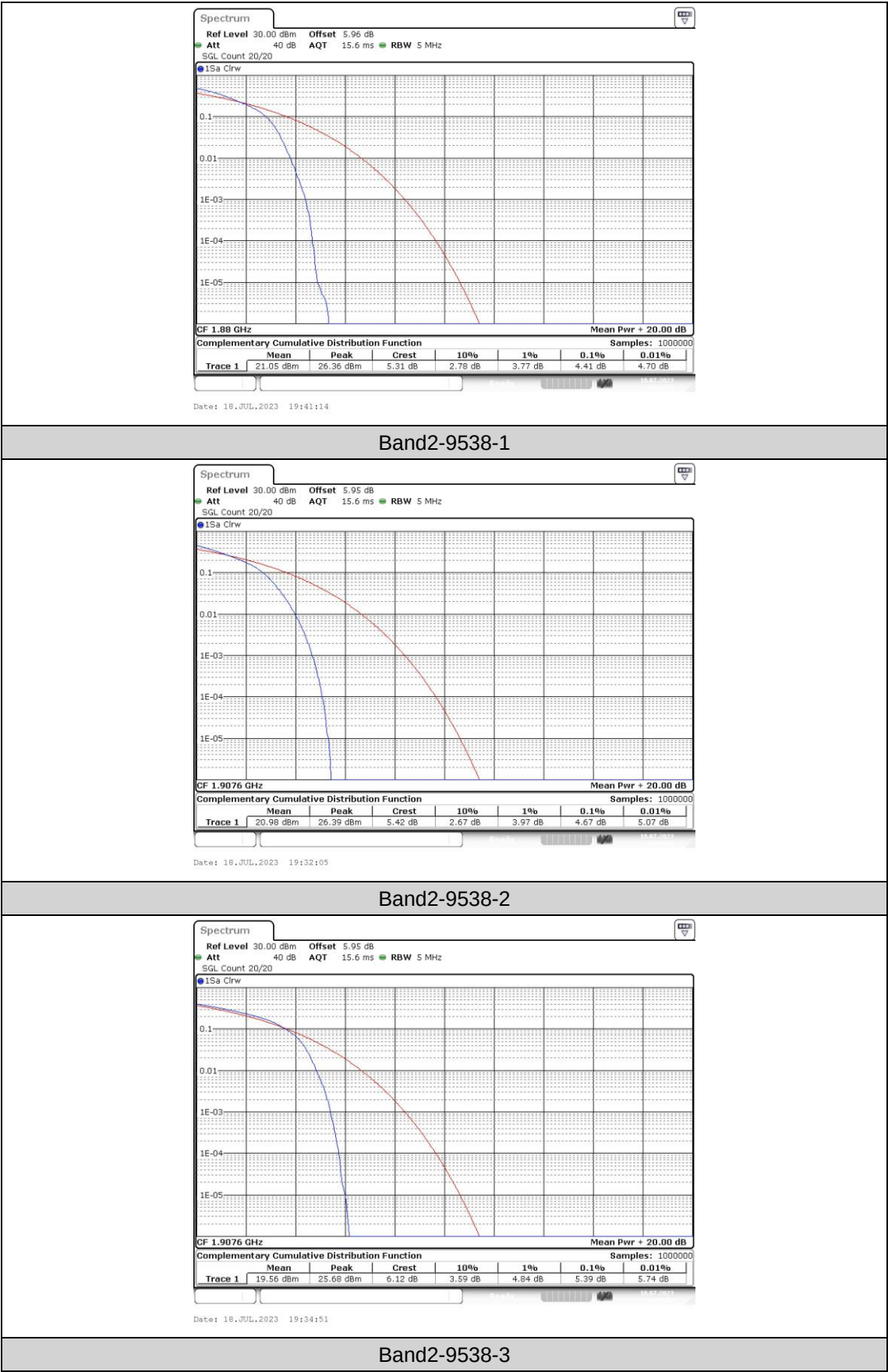
Band2-9400-3

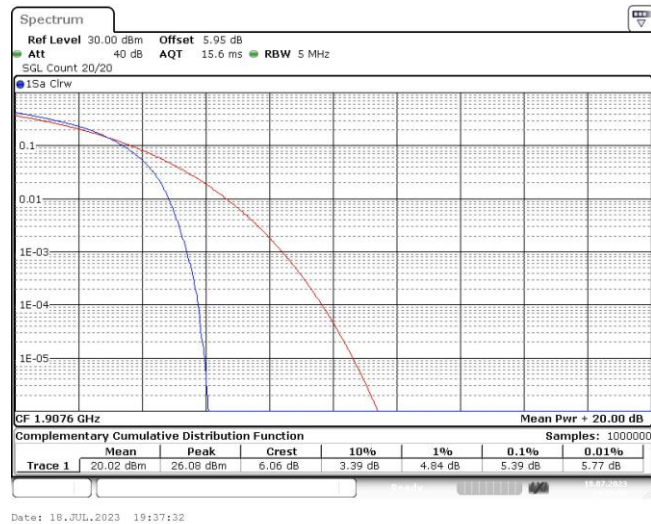


Band2-9400-4

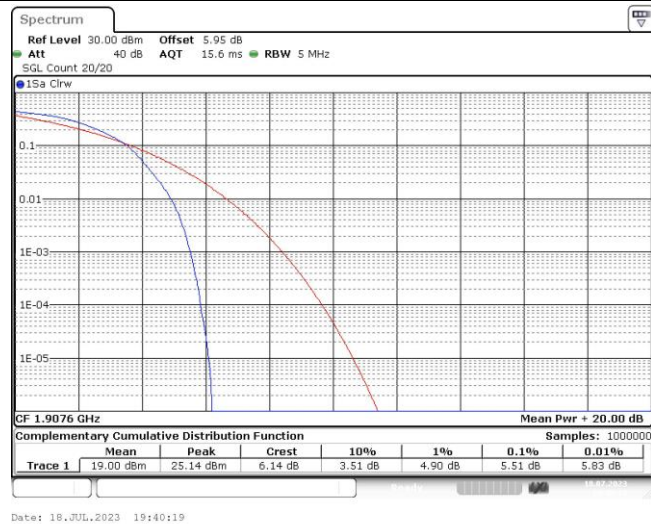


Band2-9400-5

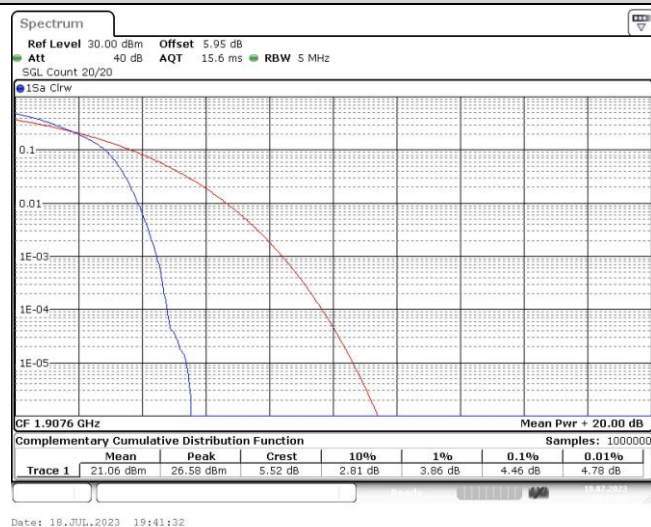




Band2-9538-4



Band2-9538-5



AppendixC:26dB Bandwidth andOccupied Bandwidth

Test Result

WCDMA

Band	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit(MHz)	Verdict
Band2	9262	4.166	4.75	---	PASS
Band2	9400	4.176	4.76	---	PASS
Band2	9538	4.166	4.75	---	PASS

HSDPA

Band	Channel	SubTest	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit(MHz)	Verdict
Band2	9262	1	4.176	4.74	---	PASS
Band2	9262	2	4.166	4.74	---	PASS
Band2	9262	3	4.166	4.75	---	PASS
Band2	9262	4	4.186	4.75	---	PASS
Band2	9400	1	4.166	4.75	---	PASS
Band2	9400	2	4.166	4.75	---	PASS
Band2	9400	3	4.166	4.74	---	PASS
Band2	9400	4	4.176	4.74	---	PASS
Band2	9538	1	4.166	4.74	---	PASS
Band2	9538	2	4.166	4.74	---	PASS
Band2	9538	3	4.176	4.74	---	PASS
Band2	9538	4	4.176	4.75	---	PASS

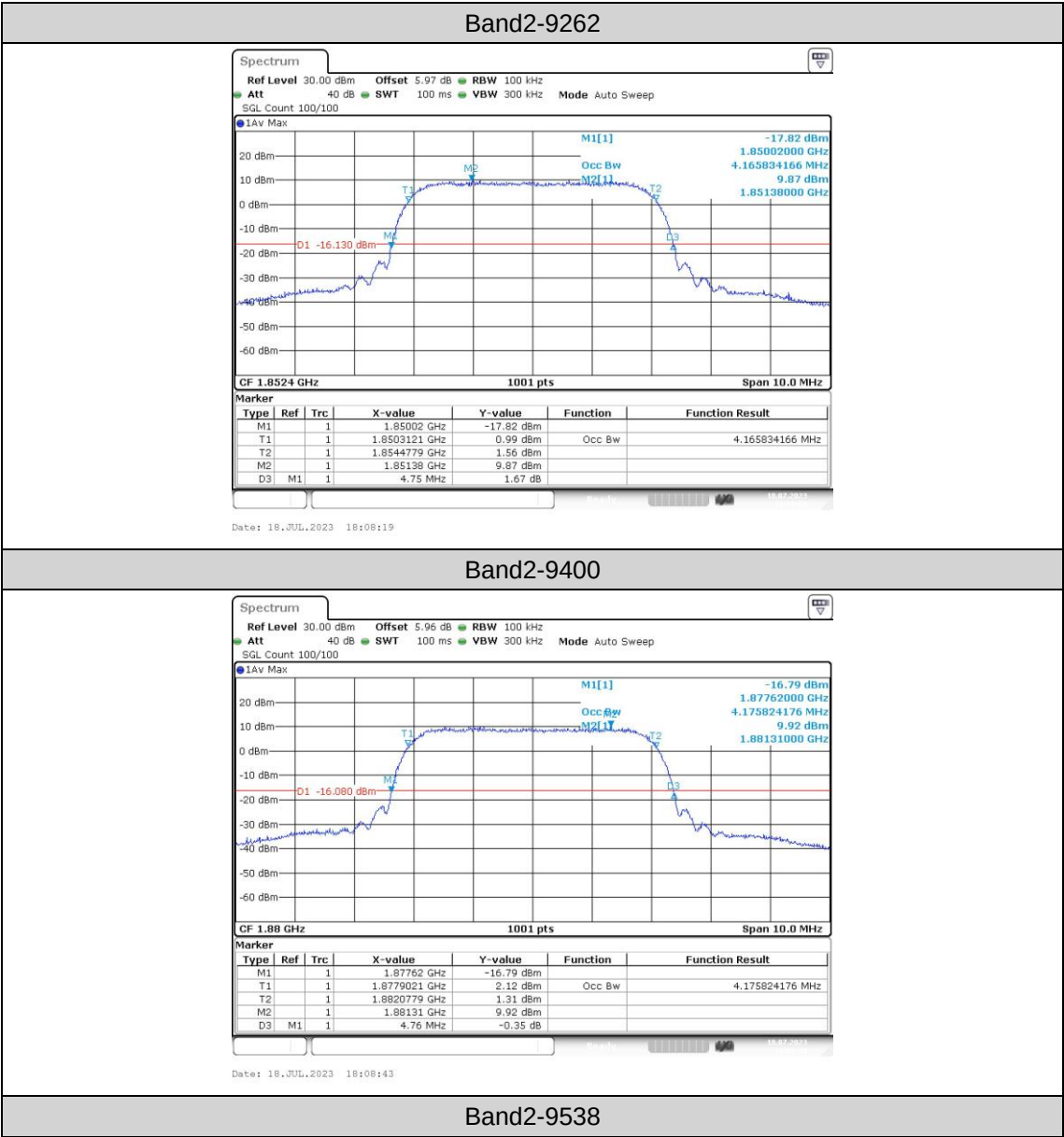
HSUPA

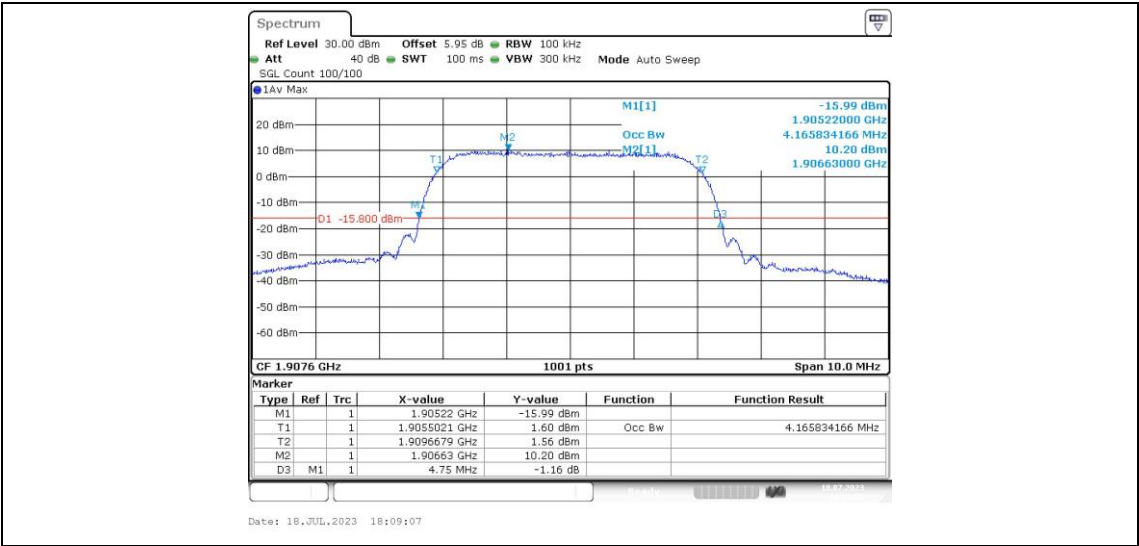
Band	Channel	SubTest	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit(MHz)	Verdict
Band2	9262	1	4.166	4.76	---	PASS
Band2	9262	2	4.176	4.75	---	PASS
Band2	9262	3	4.166	4.76	---	PASS
Band2	9262	4	4.166	4.76	---	PASS
Band2	9262	5	4.166	4.74	---	PASS
Band2	9400	1	4.176	4.76	---	PASS
Band2	9400	2	4.166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

Band2	9538	1	4.176	4.75	---	PASS
Band2	9538	2	4.186	4.76	---	PASS
Band2	9538	3	4.166	4.75	---	PASS
Band2	9538	4	4.166	4.74	---	PASS
Band2	9538	5	4.166	4.76	---	PASS

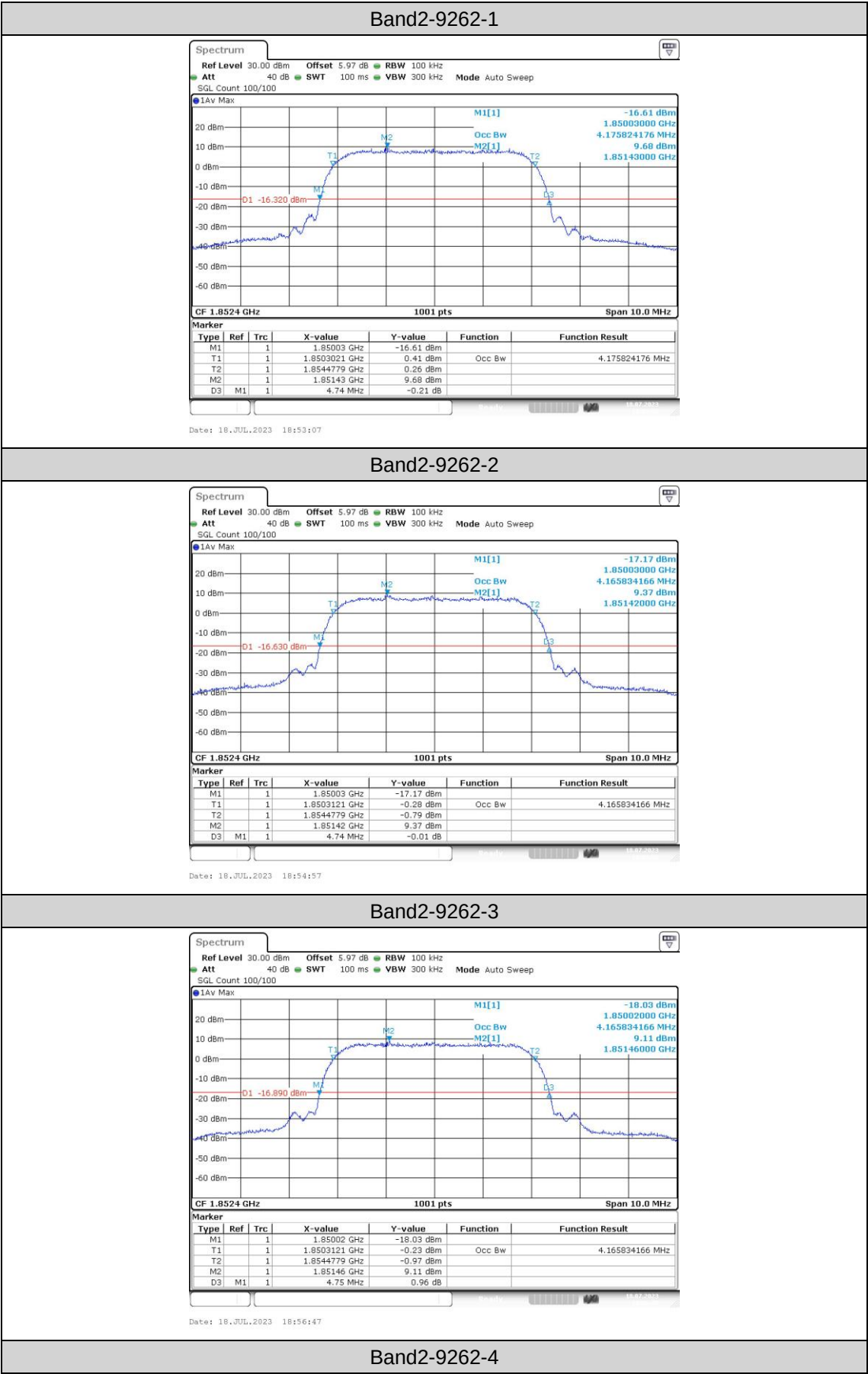
Test Graphs

WCDMA

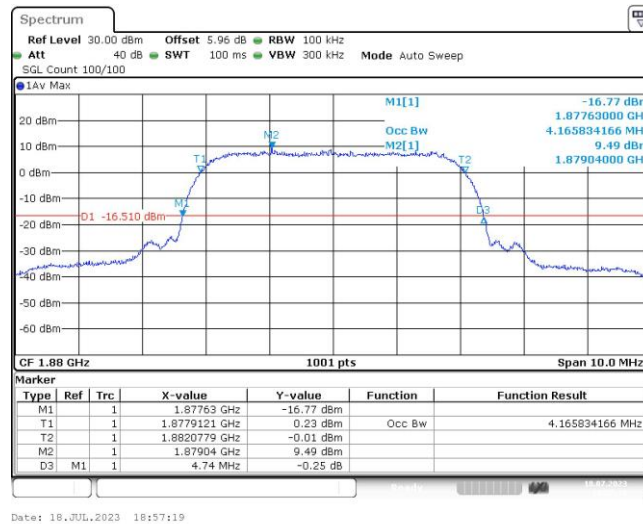




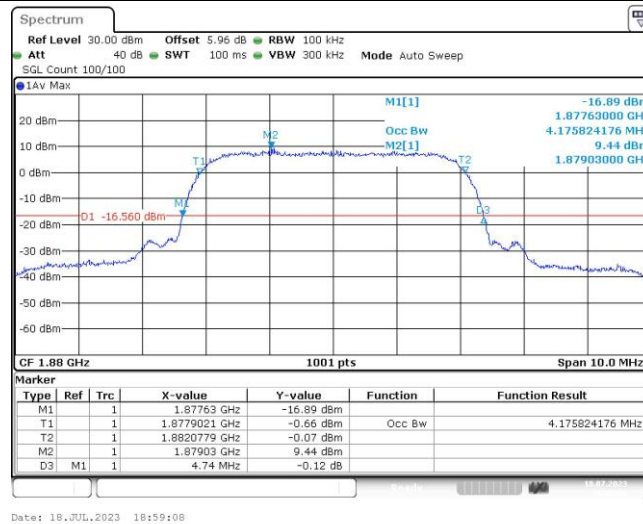
HSDPA



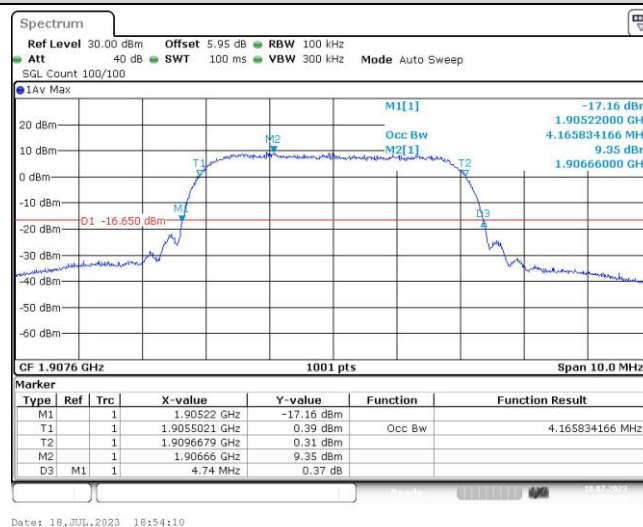




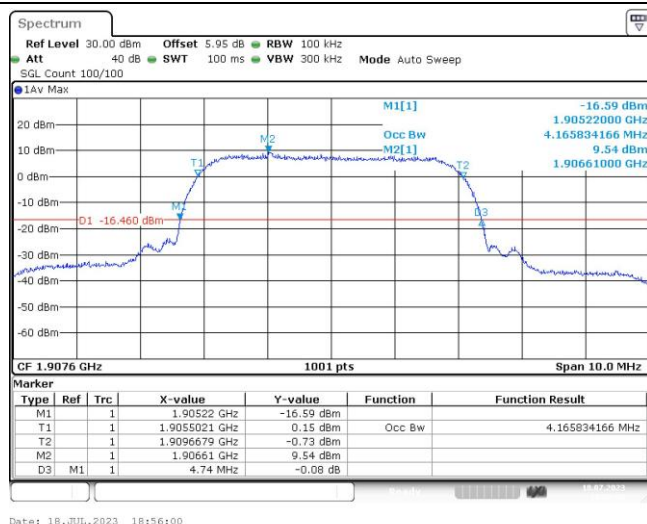
Band2-9400-4



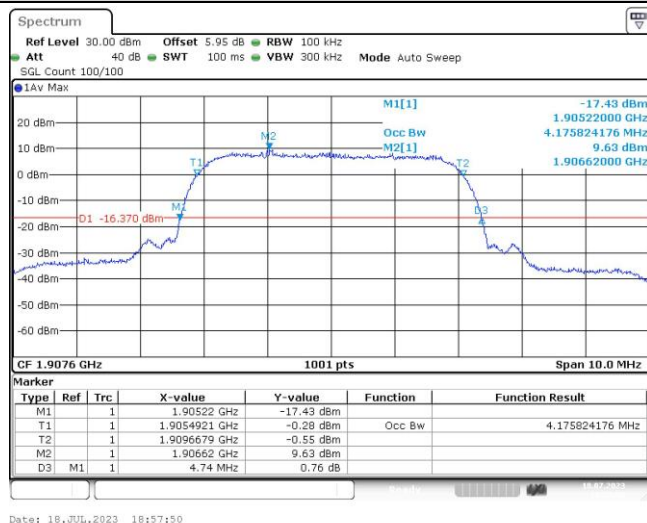
Band2-9538-1



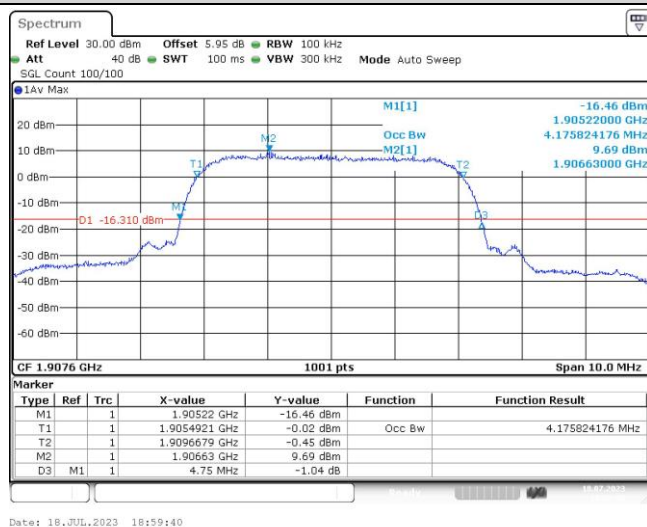
Band2-9538-2



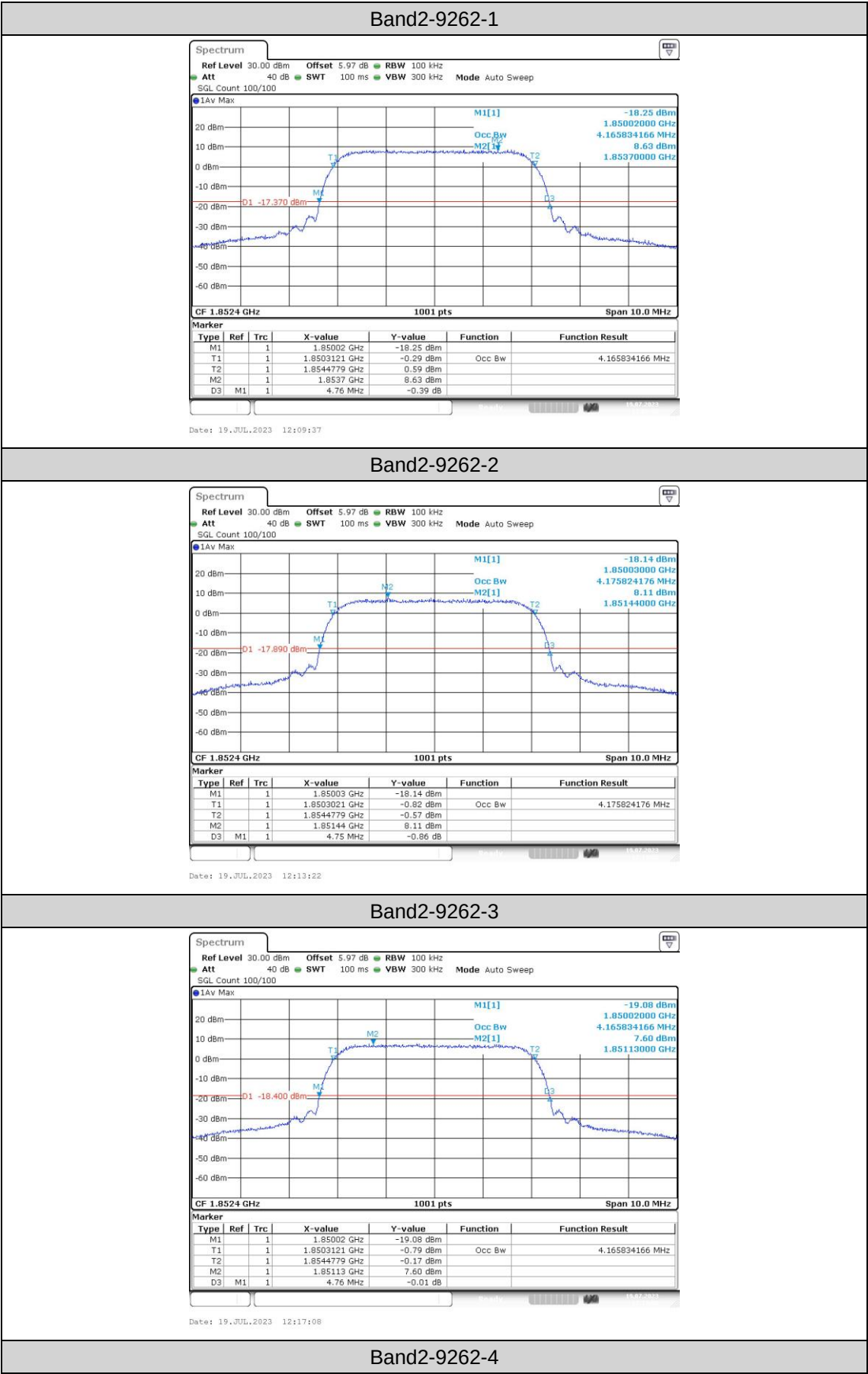
Band2-9538-3

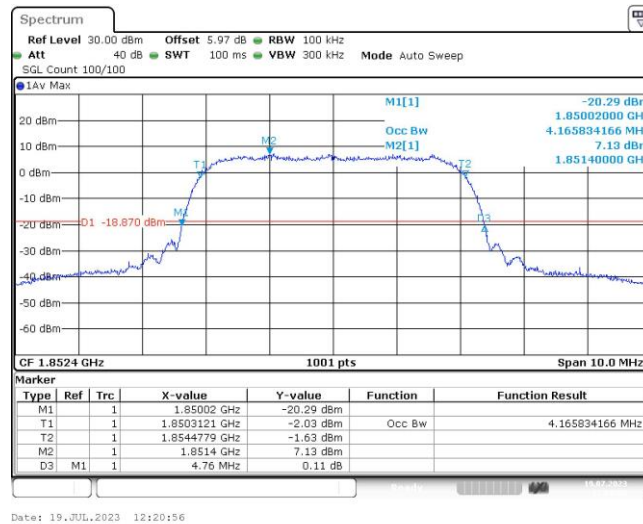


Band2-9538-4

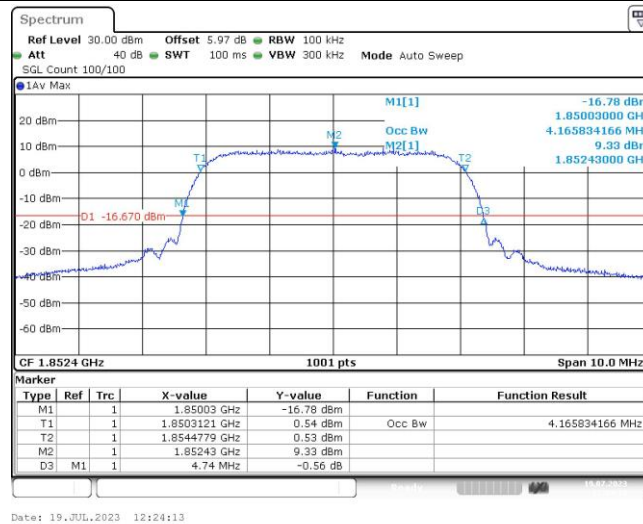


HSUPA

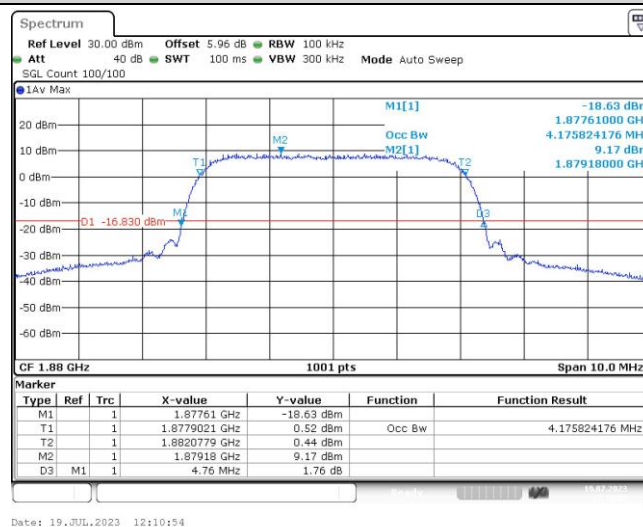




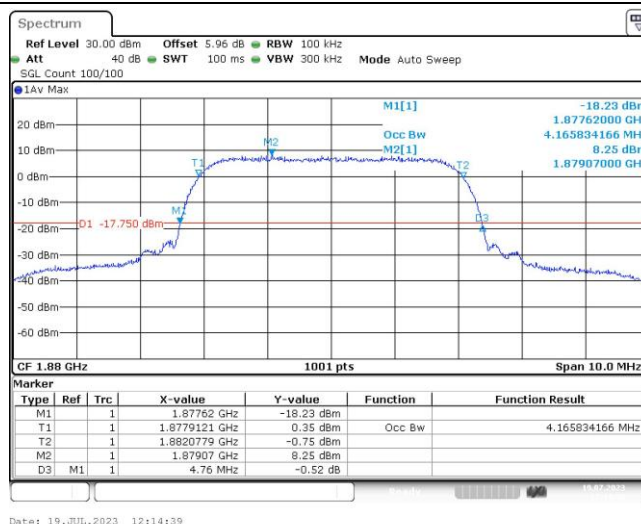
Band2-9262-5



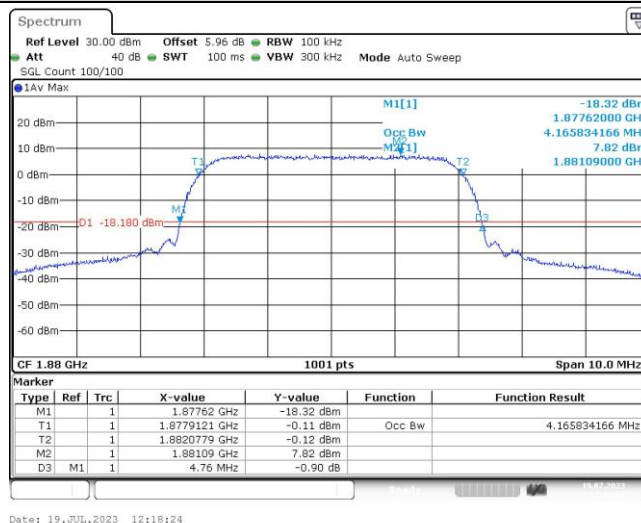
Band2-9400-1



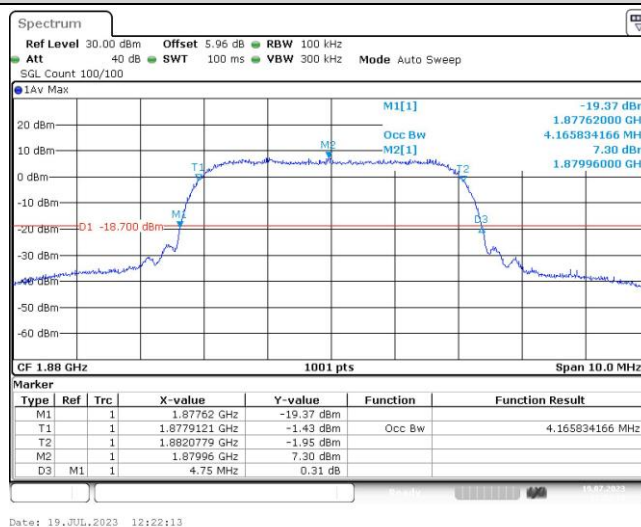
Band2-9400-2



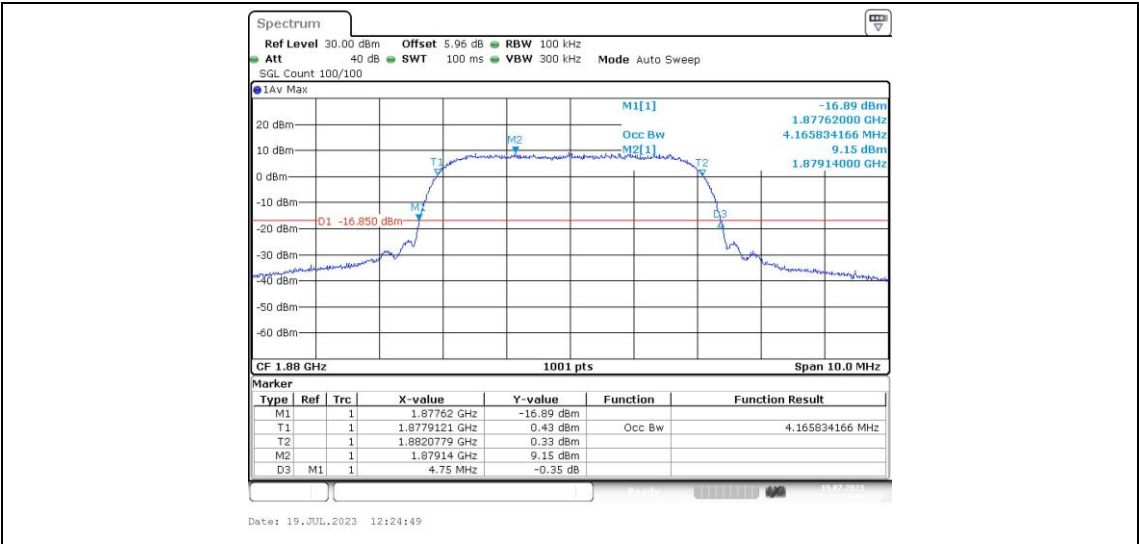
Band2-9400-3



Band2-9400-4



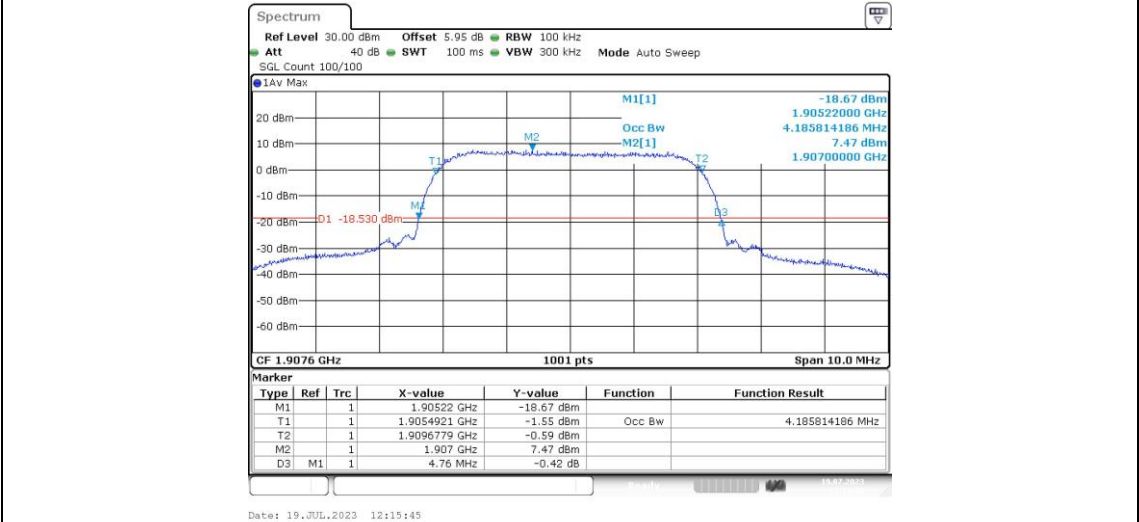
Band2-9400-5



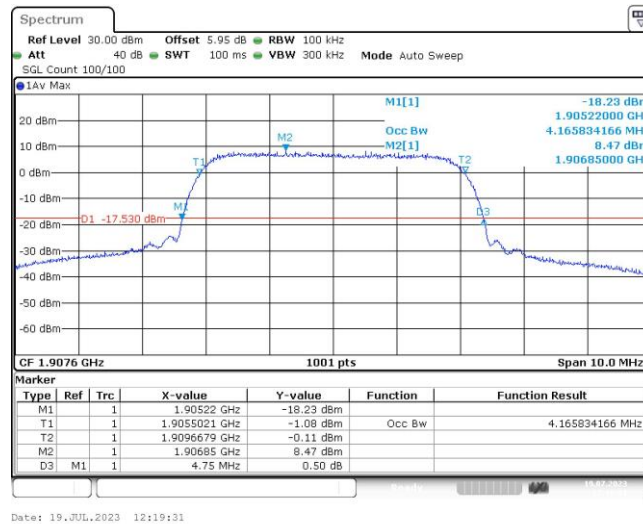
Band2-9538-1



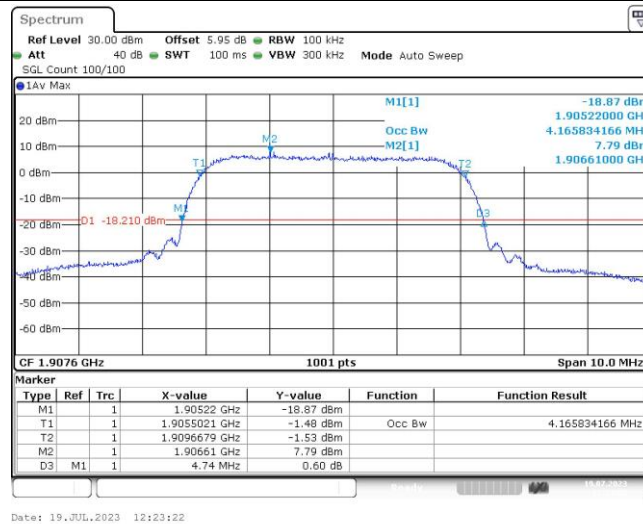
Band2-9538-2



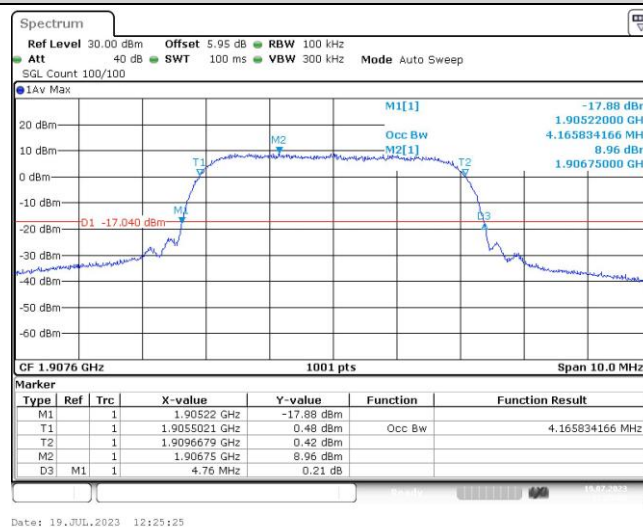
Band2-9538-3



Band2-9538-4



Band2-9538-5



AppendixD:Band Edge

Test Result

WCDMA

Band	Channel	Frequency (MHz)	Result (dBm)	Limit(dBm)	Verdict
Band2	9262	1849.86	-25.45	-13	PASS
Band2	9538	1910.00	-26.14	-13	PASS

HSDPA

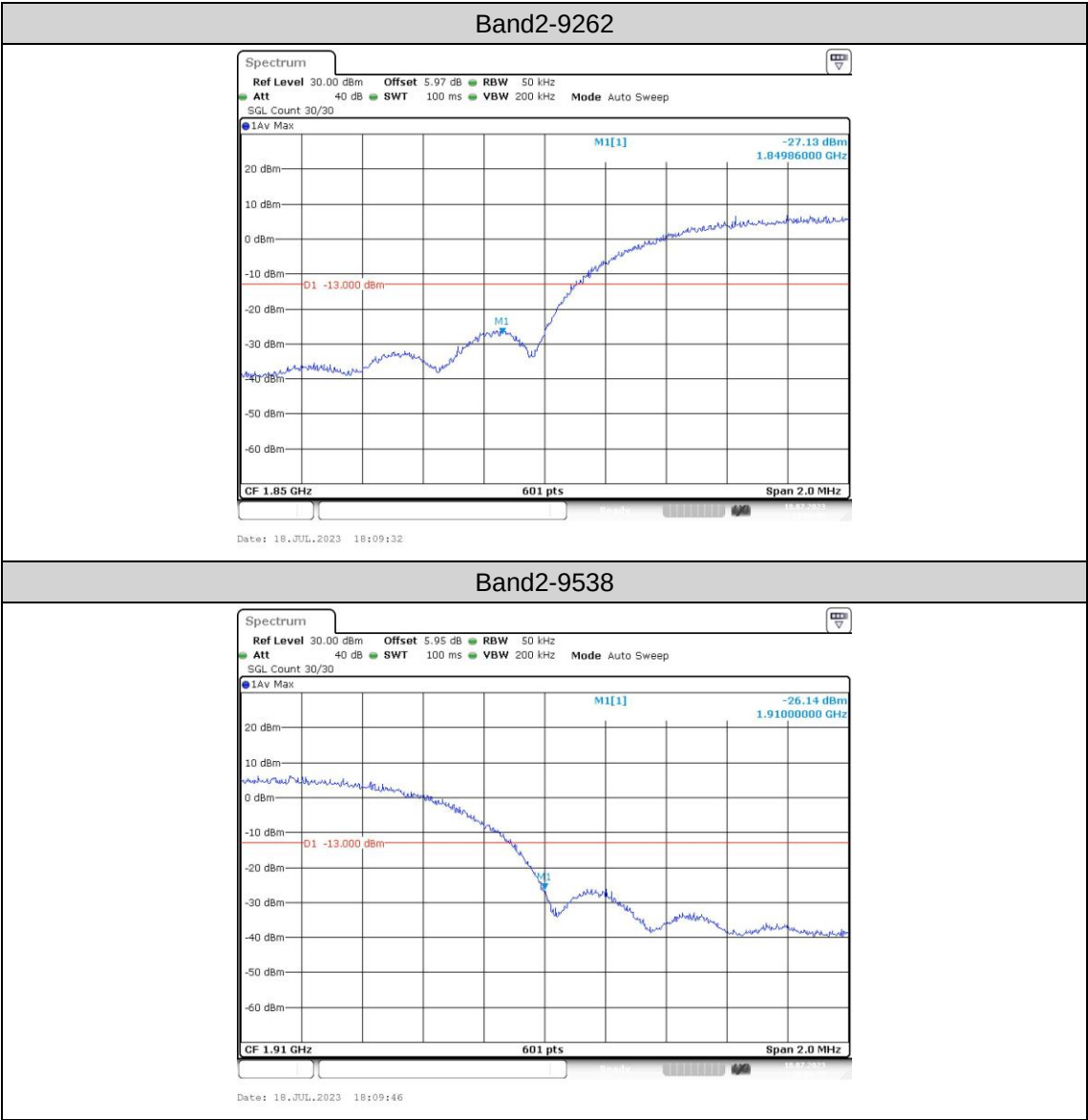
Band	Channel	SubTest	Frequency (MHz)	Result (dBm)	Limit(dBm)	Verdict
Band2	9262	1	1849.87	-26.23	-13	PASS
Band2	9262	2	1850.00	-26.69	-13	PASS
Band2	9262	3	1849.99	-26.05	-13	PASS
Band2	9262	4	1850.00	-26.38	-13	PASS
Band2	9538	1	1910.13	-27.40	-13	PASS
Band2	9538	2	1910.00	-25.77	-13	PASS
Band2	9538	3	1910.00	-25.11	-13	PASS
Band2	9538	4	1910.00	-25.91	-13	PASS

HSUPA

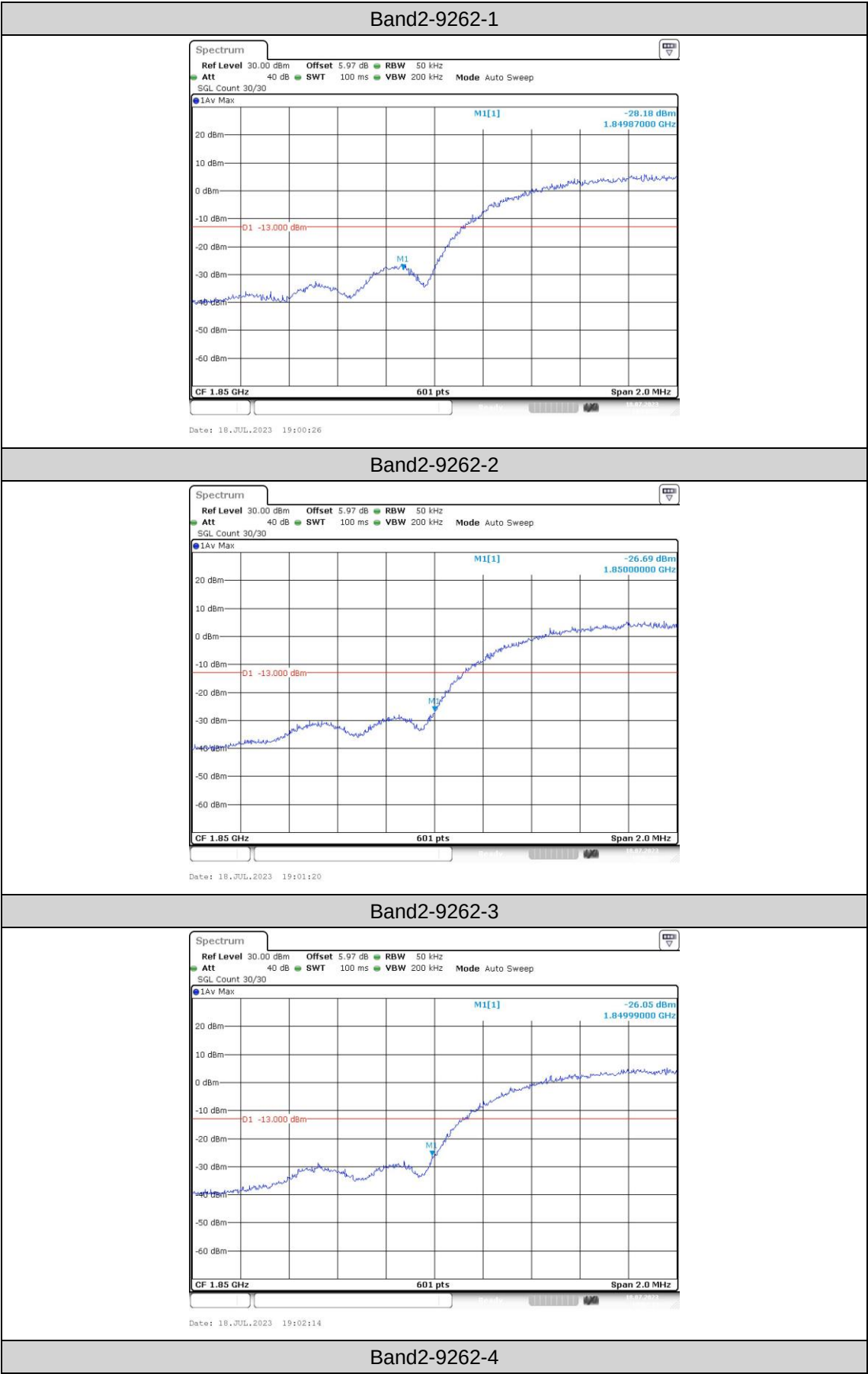
Band	Channel	SubTest	Frequency (MHz)	Result (dBm)	Limit(dBm)	Verdict
Band2	9262	1	1850.00	-26.28	-13	PASS
Band2	9262	2	1850.00	-27.76	-13	PASS
Band2	9262	3	1850.00	-26.99	-13	PASS
Band2	9262	4	1850.00	-27.55	-13	PASS
Band2	9262	5	1850.00	-25.61	-13	PASS
Band2	9538	1	1910.17	-26.42	-13	PASS
Band2	9538	2	1910.00	-27.97	-13	PASS
Band2	9538	3	1910.00	-27.59	-13	PASS
Band2	9538	4	1910.00	-26.50	-13	PASS
Band2	9538	5	1910.00	-27.21	-13	PASS

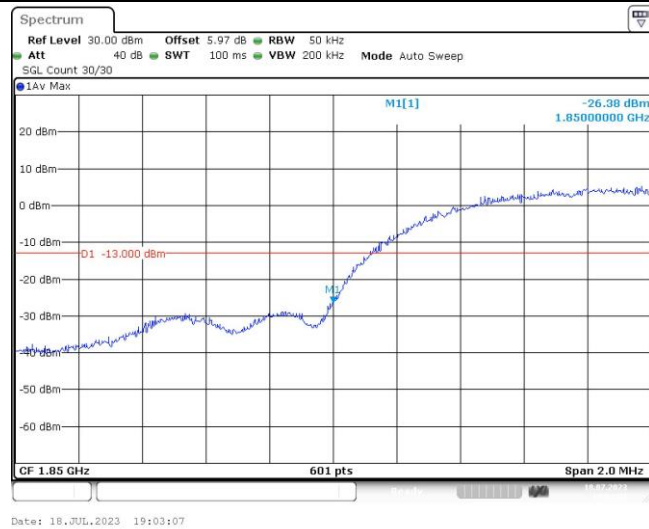
Test Graphs

WCDMA



HSDPA

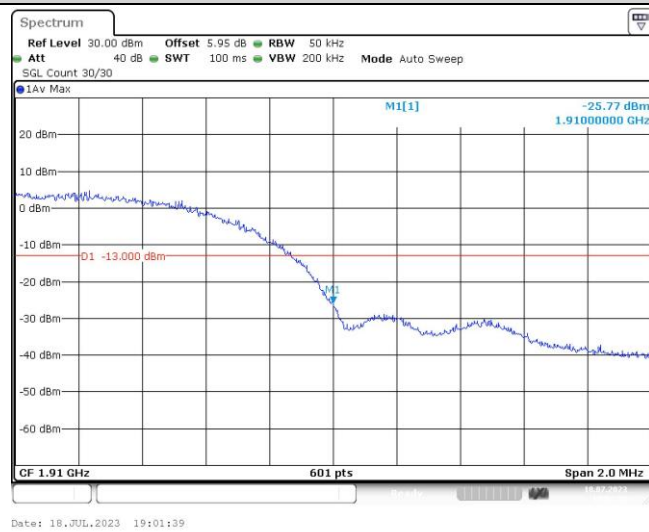




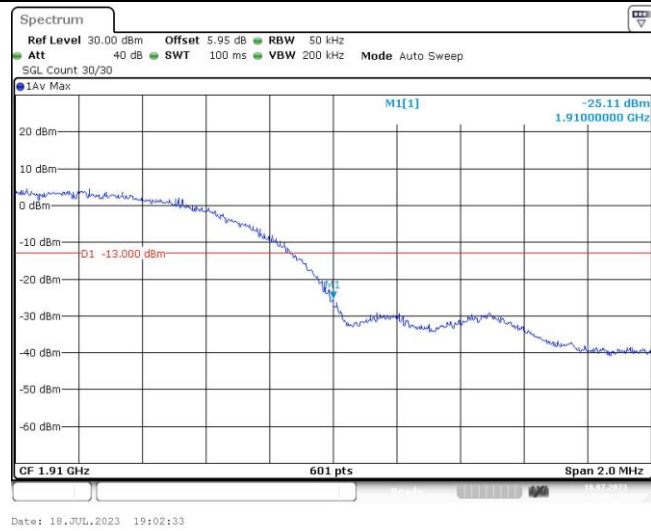
Band2-9538-1



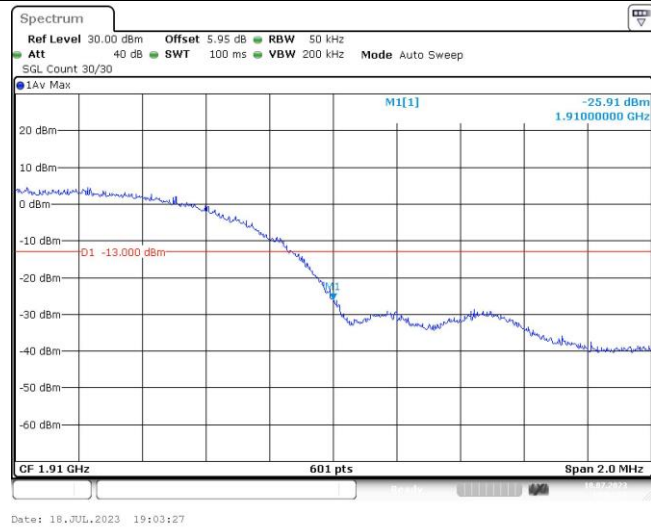
Band2-9538-2



Band2-9538-3

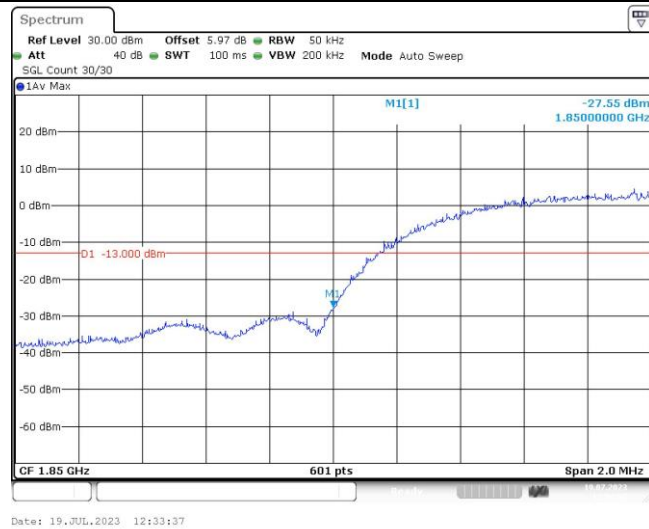


Band2-9538-4

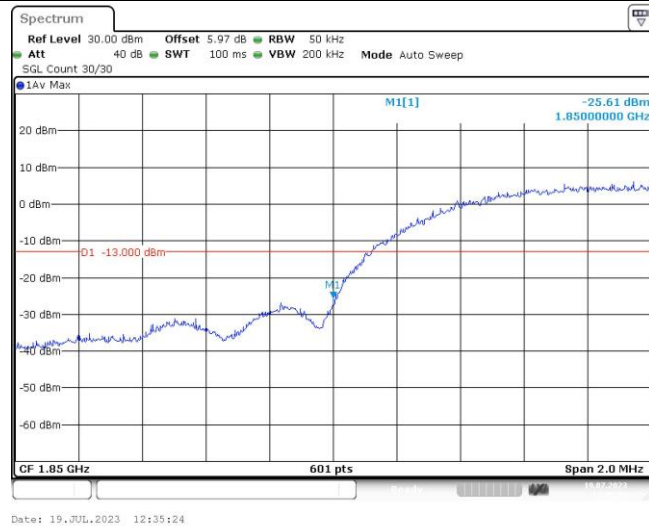


HSUPA

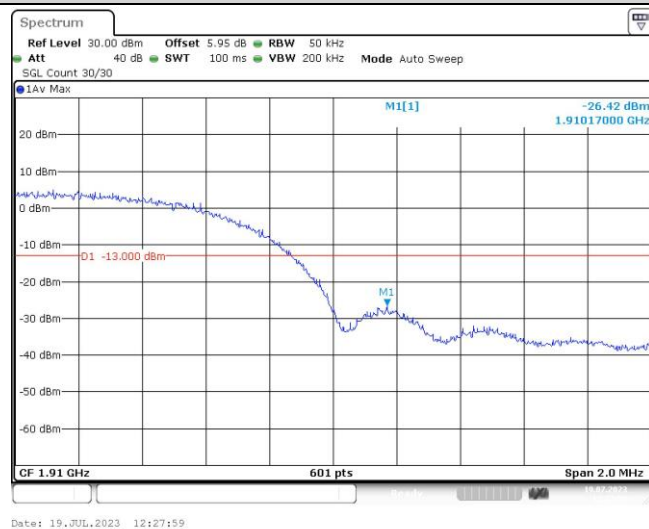




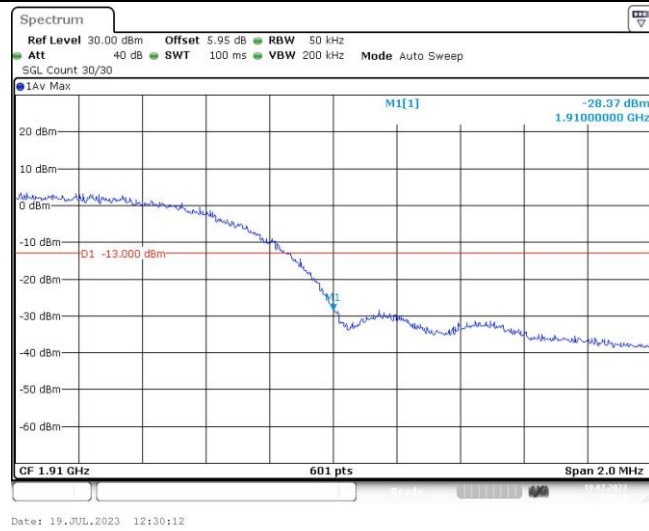
Band2-9262-5



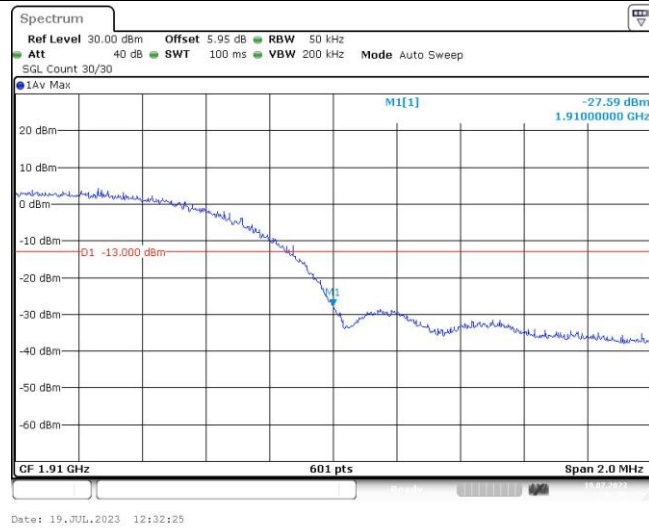
Band2-9538-1



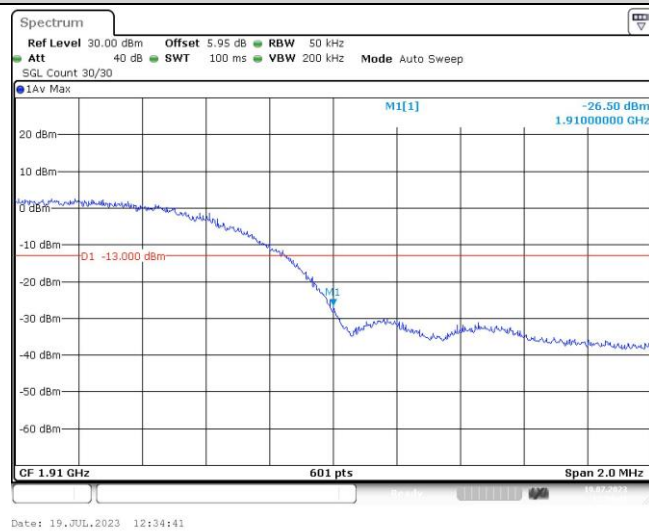
Band2-9538-2



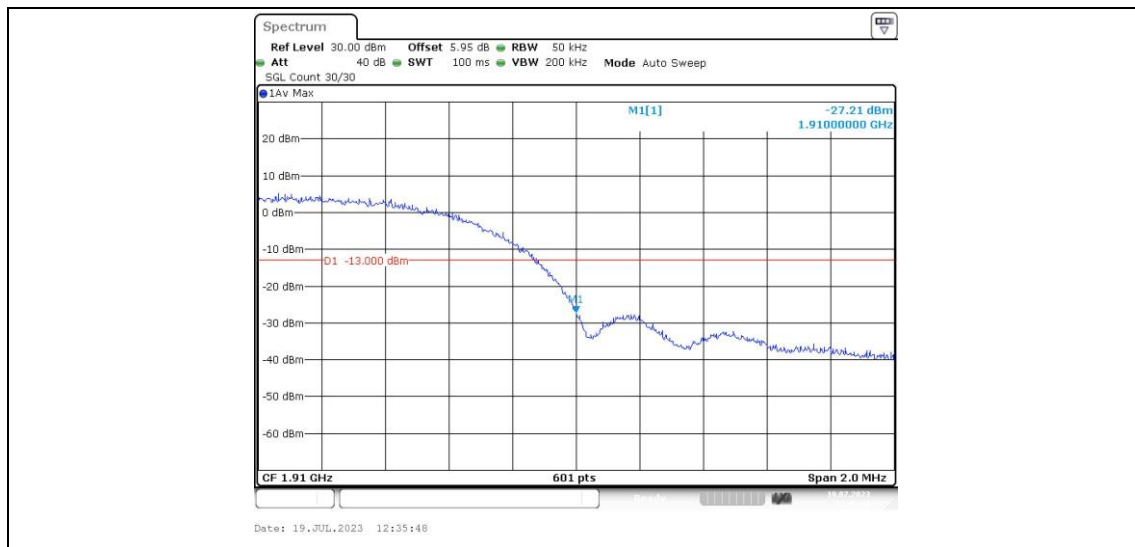
Band2-9538-3



Band2-9538-4



Band2-9538-5



AppendixE:Conducted SpuriousEmission

Test Result

WCDMA

Band	Channel	Frequency Range (Mhz)	Frequency (dBm)	Result (dBm)	Limit (dBm)	Verdict
Band2	9262	0.009~0.15MHz	0.07	-78.31	-43	PASS
Band2	9262	0.15~30MHz	3.83	-64.57	-23	PASS
Band2	9262	30~1000MHz	991.52	-50.6	-13	PASS
Band2	9262	1000~20000MHz	18233	-49.13	-13	PASS
Band2	9400	0.009~0.15MHz	0.1	-77.56	-43	PASS
Band2	9400	0.15~30MHz	0.37	-64.62	-23	PASS
Band2	9400	30~1000MHz	735.08	-51.76	-13	PASS
Band2	9400	1000~20000MHz	3755	-48.38	-13	PASS
Band2	9538	0.009~0.15MHz	0.09	-76.25	-43	PASS
Band2	9538	0.15~30MHz	0.85	-64.05	-23	PASS
Band2	9538	30~1000MHz	919.77	-50.56	-13	PASS
Band2	9538	1000~20000MHz	3812	-48.96	-13	PASS

HSDPA

Band	Channel	SubTest	Frequency Range (Mhz)	Frequency (dBm)	Result (dBm)	Limit (dBm)	Verdict
Band2	9262	1	0.15~30MHz	0.25	-65.08	-23	PASS
Band2	9262	1	30~1000MHz	793.25	-51.86	-13	PASS
Band2	9262	1	1000~20000MHz	18233	-49.15	-13	PASS
Band2	9262	1	0.009~0.15MHz	0.02	-82.53	-43	PASS
Band2	9262	2	0.15~30MHz	0.97	-59.64	-23	PASS
Band2	9262	2	30~1000MHz	813.13	-51.2	-13	PASS
Band2	9262	2	1000~20000MHz	18242.5	-49.27	-13	PASS
Band2	9262	2	0.009~0.15MHz	0.01	-79.95	-43	PASS
Band2	9262	3	0.15~30MHz	0.97	-58.67	-23	PASS
Band2	9262	3	0.009~0.15MHz	0.01	-80.33	-43	PASS
Band2	9262	3	1000~20000MHz	18233	-49.08	-13	PASS
Band2	9262	3	30~1000MHz	815.55	-51.42	-13	PASS
Band2	9262	4	0.15~30MHz	0.97	-58.53	-23	PASS
Band2	9262	4	1000~20000MHz	18233	-49.1	-13	PASS
Band2	9262	4	0.009~0.15MHz	0.01	-78.82	-43	PASS
Band2	9262	4	30~1000MHz	578.99	-52.1	-13	PASS
Band2	9400	1	1000~20000MHz	18233	-49.21	-13	PASS
Band2	9400	1	30~1000MHz	899.41	-52.28	-13	PASS
Band2	9400	1	0.009~0.15MHz	0.02	-82.52	-43	PASS
Band2	9400	1	0.15~30MHz	0.85	-65.53	-23	PASS

Band2	9400	2	0.15~30MHz	0.97	-61.35	-23	PASS
Band2	9400	2	30~1000MHz	967.28	-51.28	-13	PASS
Band2	9400	2	0.009~0.15MHz	0.01	-78.27	-43	PASS
Band2	9400	2	1000~20000MHz	18233	-49.14	-13	PASS
Band2	9400	3	30~1000MHz	769.5	-51.93	-13	PASS
Band2	9400	3	0.15~30MHz	0.97	-58.31	-23	PASS
Band2	9400	3	1000~20000MHz	18223.5	-49.2	-13	PASS
Band2	9400	3	0.009~0.15MHz	0.01	-77.38	-43	PASS
Band2	9400	4	0.009~0.15MHz	0.03	-78.75	-43	PASS
Band2	9400	4	0.15~30MHz	0.97	-58.68	-23	PASS
Band2	9400	4	30~1000MHz	899.41	-51.92	-13	PASS
Band2	9400	4	1000~20000MHz	18233	-49.07	-13	PASS
Band2	9538	1	0.15~30MHz	0.17	-64.39	-23	PASS
Band2	9538	1	30~1000MHz	999.27	-51.67	-13	PASS
Band2	9538	1	1000~20000MHz	18242.5	-49.18	-13	PASS
Band2	9538	1	0.009~0.15MHz	0.1	-80.73	-43	PASS
Band2	9538	2	0.009~0.15MHz	0.08	-79.47	-43	PASS
Band2	9538	2	0.15~30MHz	0.97	-60.72	-23	PASS
Band2	9538	2	1000~20000MHz	18214	-49.35	-13	PASS
Band2	9538	2	30~1000MHz	815.06	-51.66	-13	PASS
Band2	9538	3	0.009~0.15MHz	0.01	-79.52	-43	PASS
Band2	9538	3	0.15~30MHz	0.97	-59.39	-23	PASS
Band2	9538	3	30~1000MHz	829.12	-51.34	-13	PASS
Band2	9538	3	1000~20000MHz	18233	-49.04	-13	PASS
Band2	9538	4	1000~20000MHz	18223.5	-49.06	-13	PASS
Band2	9538	4	0.009~0.15MHz	0.03	-77.68	-43	PASS
Band2	9538	4	0.15~30MHz	0.97	-58.47	-23	PASS
Band2	9538	4	30~1000MHz	758.83	-51.51	-13	PASS

HSUPA

Band	Channel	SubTest	Frequency Range (Mhz)	Frequency (dBm)	Result (dBm)	Limit (dBm)	Verdict
Band2	9262	1	0.15~30MHz	0.23	-61.95	-23	PASS
Band2	9262	1	30~1000MHz	989.58	-51.83	-13	PASS
Band2	9262	1	1000~20000MHz	18242.5	-49.32	-13	PASS
Band2	9262	1	0.009~0.15MHz	0.04	-76.51	-43	PASS
Band2	9262	2	30~1000MHz	633.77	-50.88	-13	PASS
Band2	9262	2	1000~20000MHz	18242.5	-49.23	-13	PASS
Band2	9262	2	0.15~30MHz	0.17	-63.04	-23	PASS
Band2	9262	2	0.009~0.15MHz	0.01	-75.42	-43	PASS
Band2	9262	3	1000~20000MHz	18223.5	-49.24	-13	PASS
Band2	9262	3	0.009~0.15MHz	0.02	-74.82	-43	PASS
Band2	9262	3	0.15~30MHz	0.23	-63.33	-23	PASS

Band2	9262	3	30~1000MHz	977.94	-51.63	-13	PASS
Band2	9262	4	1000~20000MHz	18252	-49.15	-13	PASS
Band2	9262	4	0.009~0.15MHz	0.01	-82.41	-43	PASS
Band2	9262	4	30~1000MHz	801.98	-50.42	-13	PASS
Band2	9262	4	0.15~30MHz	0.61	-63.43	-23	PASS
Band2	9262	5	0.009~0.15MHz	0.04	-78.31	-43	PASS
Band2	9262	5	1000~20000MHz	18223.5	-49.2	-13	PASS
Band2	9262	5	0.15~30MHz	0.46	-60.89	-23	PASS
Band2	9262	5	30~1000MHz	838.33	-51.09	-13	PASS
Band2	9400	1	1000~20000MHz	18242.5	-49.35	-13	PASS
Band2	9400	1	30~1000MHz	947.4	-50.71	-13	PASS
Band2	9400	1	0.009~0.15MHz	0.08	-74.68	-43	PASS
Band2	9400	1	0.15~30MHz	0.43	-65.08	-23	PASS
Band2	9400	2	0.009~0.15MHz	0.02	-74.93	-43	PASS
Band2	9400	2	30~1000MHz	647.34	-51.23	-13	PASS
Band2	9400	2	0.15~30MHz	0.97	-62.27	-23	PASS
Band2	9400	2	1000~20000MHz	18233	-49.34	-13	PASS
Band2	9400	3	0.15~30MHz	1.3	-64.15	-23	PASS
Band2	9400	3	30~1000MHz	957.1	-50.41	-13	PASS
Band2	9400	3	1000~20000MHz	18233	-49.05	-13	PASS
Band2	9400	3	0.009~0.15MHz	0.01	-73.95	-43	PASS
Band2	9400	4	0.009~0.15MHz	0.12	-81.7	-43	PASS
Band2	9400	4	1000~20000MHz	18252	-49.07	-13	PASS
Band2	9400	4	0.15~30MHz	0.73	-62.18	-23	PASS
Band2	9400	4	30~1000MHz	906.2	-51.49	-13	PASS
Band2	9400	5	1000~20000MHz	18252	-49.14	-13	PASS
Band2	9400	5	0.15~30MHz	0.25	-62.73	-23	PASS
Band2	9400	5	30~1000MHz	884.39	-51.63	-13	PASS
Band2	9400	5	0.009~0.15MHz	0.02	-77.33	-43	PASS
Band2	9538	1	1000~20000MHz	18223.5	-49.05	-13	PASS
Band2	9538	1	30~1000MHz	806.34	-50.48	-13	PASS
Band2	9538	1	0.15~30MHz	0.17	-63.63	-23	PASS
Band2	9538	1	0.009~0.15MHz	0.1	-73.57	-43	PASS
Band2	9538	2	0.009~0.15MHz	0.01	-73.84	-43	PASS
Band2	9538	2	0.15~30MHz	0.52	-63.02	-23	PASS
Band2	9538	2	30~1000MHz	893.11	-51.6	-13	PASS
Band2	9538	2	1000~20000MHz	18233	-49.08	-13	PASS
Band2	9538	3	30~1000MHz	905.23	-51.68	-13	PASS
Band2	9538	3	1000~20000MHz	18233	-49.31	-13	PASS
Band2	9538	3	0.009~0.15MHz	0.01	-73.85	-43	PASS
Band2	9538	3	0.15~30MHz	0.46	-64.29	-23	PASS
Band2	9538	4	0.009~0.15MHz	0.03	-82.12	-43	PASS
Band2	9538	4	1000~20000MHz	18233	-49.29	-13	PASS

Band2	9538	4	0.15~30MHz	1	-64.36	-23	PASS
Band2	9538	4	30~1000MHz	797.61	-50.72	-13	PASS
Band2	9538	5	1000~20000MHz	18252	-49.12	-13	PASS
Band2	9538	5	0.009~0.15MHz	0.14	-76.88	-43	PASS
Band2	9538	5	0.15~30MHz	0.34	-63.37	-23	PASS
Band2	9538	5	30~1000MHz	673.03	-51.92	-13	PASS