

Appendix for WCMDA Band 5

Product Name: Zenius08

Model No: GMT-08QA-2301

Appendix A: Average Power Output Data

Test Result

WCDMA

Band	Channel	Power(dBm)	Verdict
Band5	4132	24.35	PASS
Band5	4183	24.20	PASS
Band5	4233	23.86	PASS

HSDPA

Band	Channel	SubTest	Power(dBm)	Verdict
Band5	4132	1	23.33	PASS
Band5	4132	2	22.86	PASS
Band5	4132	3	22.86	PASS
Band5	4132	4	22.85	PASS
Band5	4183	1	23.19	PASS
Band5	4183	2	22.69	PASS
Band5	4183	3	22.69	PASS
Band5	4183	4	22.70	PASS
Band5	4233	1	22.87	PASS
Band5	4233	2	22.38	PASS
Band5	4233	3	22.38	PASS
Band5	4233	4	22.37	PASS

HSUPA

Band	Channel	SubTest	Power(dBm)	Verdict
Band5	4132	1	23.26	PASS
Band5	4132	2	21.87	PASS
Band5	4132	3	22.34	PASS
Band5	4132	4	21.29	PASS
Band5	4132	5	23.35	PASS
Band5	4183	1	23.17	PASS
Band5	4183	2	21.68	PASS
Band5	4183	3	22.22	PASS
Band5	4183	4	21.14	PASS
Band5	4183	5	23.19	PASS

Band5	4233	1	22.83	PASS
Band5	4233	2	21.33	PASS
Band5	4233	3	21.86	PASS
Band5	4233	4	20.79	PASS
Band5	4233	5	22.86	PASS

AppendixB:Peak-to-Average Ratio

Test Result

WCDMA

Band	Channel	Peak-to-Average Ratio(dB)	Limit(dB)	Verdict
Band5	4132	3.04	13	PASS
Band5	4183	3.1	13	PASS
Band5	4233	3.13	13	PASS

HSDPA

Band	Channel	SubTest	Peak-to-Average Ratio(dB)	Limit(dB)	Verdict
Band5	4132	1	3.25	13	PASS
Band5	4132	2	3.45	13	PASS
Band5	4132	3	3.59	13	PASS
Band5	4132	4	3.65	13	PASS
Band5	4183	1	3.3	13	PASS
Band5	4183	2	3.48	13	PASS
Band5	4183	3	3.62	13	PASS
Band5	4183	4	3.68	13	PASS
Band5	4233	1	3.3	13	PASS
Band5	4233	2	3.54	13	PASS
Band5	4233	3	3.68	13	PASS
Band5	4233	4	3.74	13	PASS

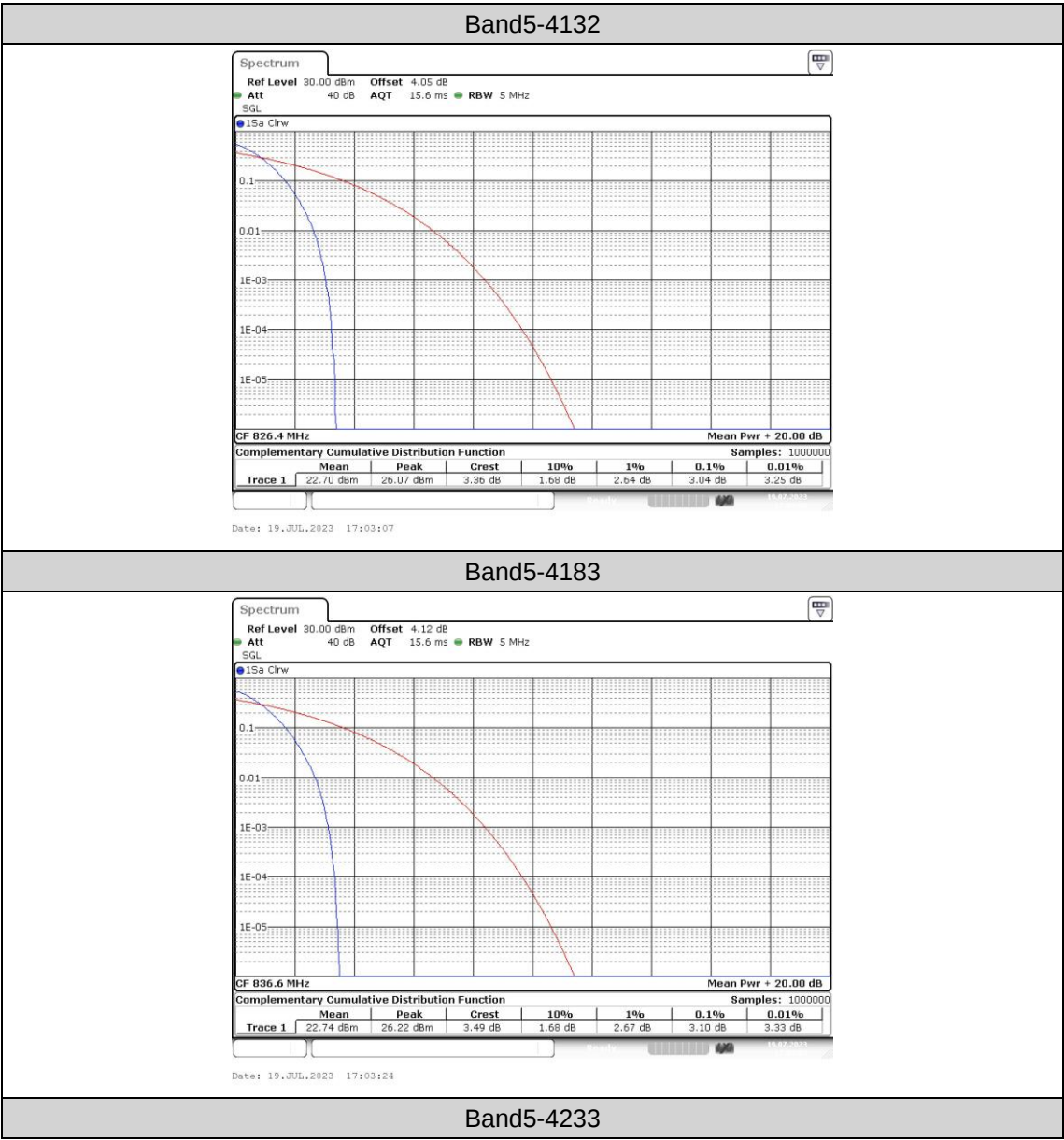
HSUPA

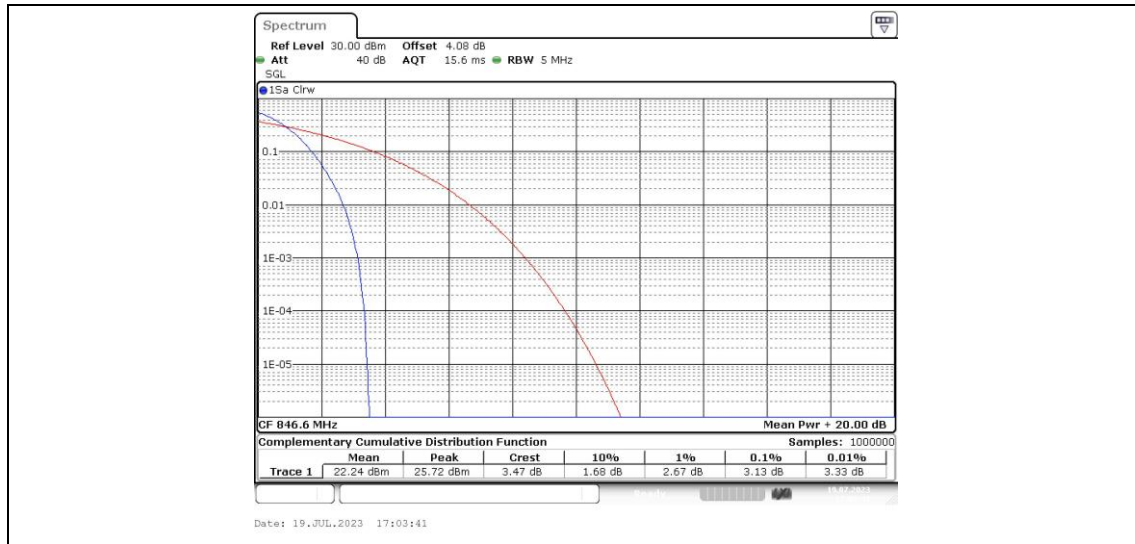
Band	Channel	SubTest	Peak-to-Average Ratio(dB)	Limit(dB)	Verdict
Band5	4132	1	4.35	13	PASS
Band5	4132	2	5.25	13	PASS
Band5	4132	3	5.19	13	PASS
Band5	4132	4	5.48	13	PASS
Band5	4132	5	4.23	13	PASS
Band5	4183	1	4.46	13	PASS
Band5	4183	2	5.33	13	PASS
Band5	4183	3	5.33	13	PASS
Band5	4183	4	5.54	13	PASS
Band5	4183	5	4.38	13	PASS
Band5	4233	1	4.49	13	PASS

Band5	4233	2	5.3	13	PASS
Band5	4233	3	5.28	13	PASS
Band5	4233	4	5.51	13	PASS
Band5	4233	5	4.32	13	PASS

Test Graphs

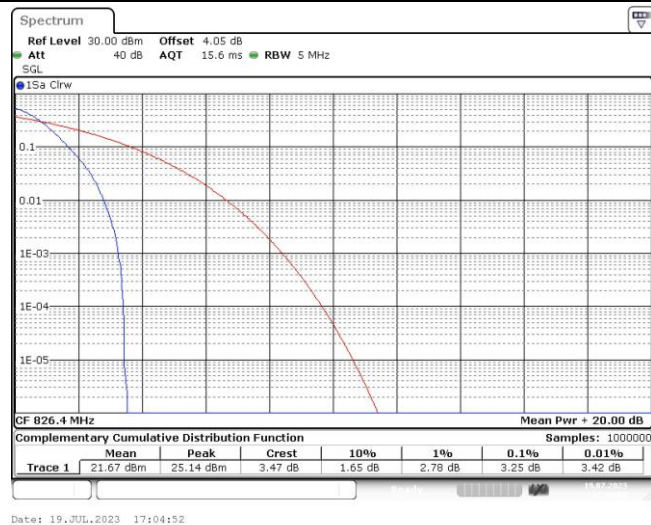
WCDMA



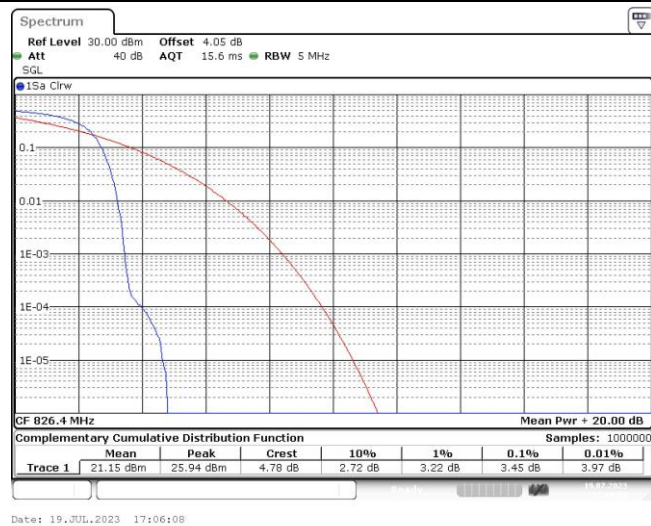


HSDPA

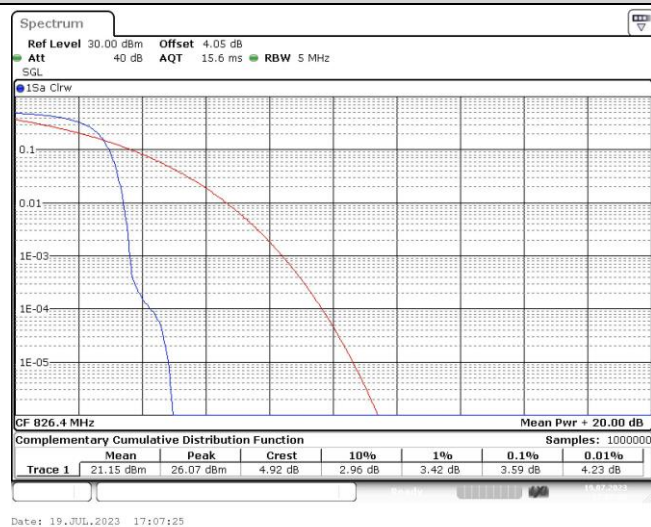
Band5-4132-1



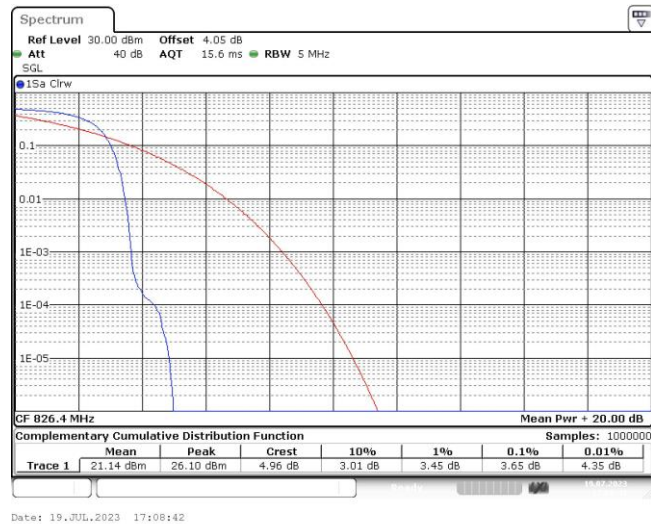
Band5-4132-2



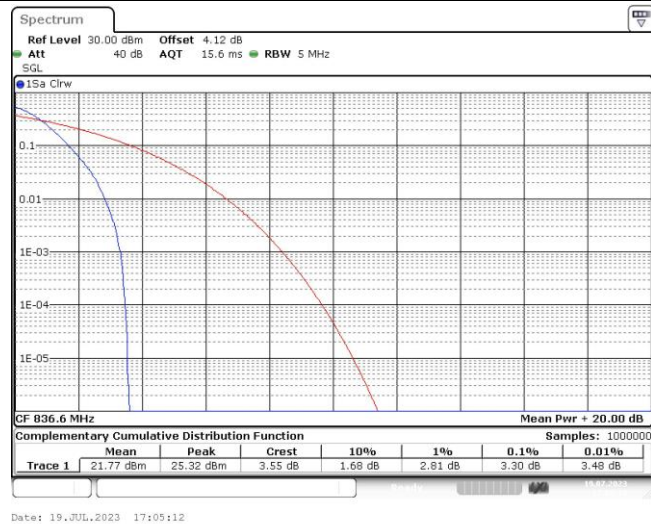
Band5-4132-3



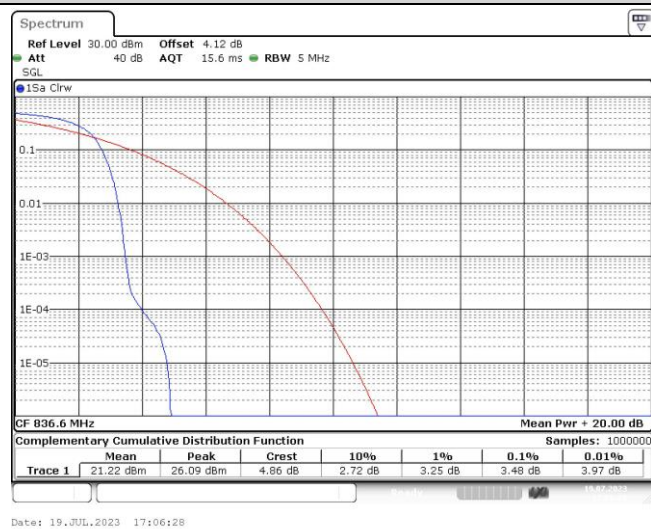
Band5-4132-4



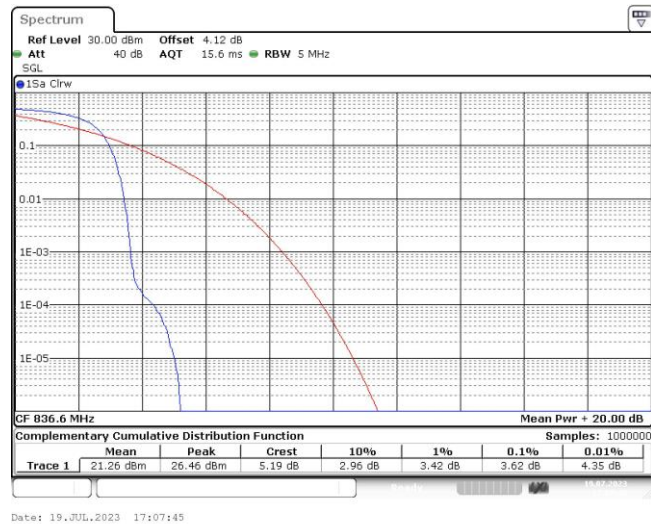
Band5-4183-1



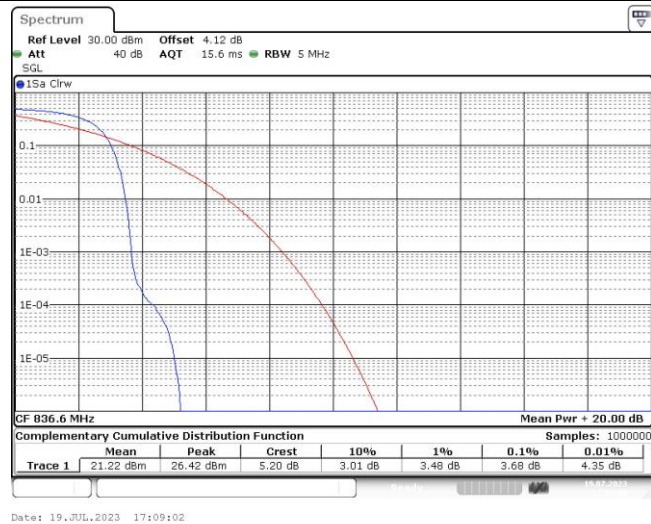
Band5-4183-2



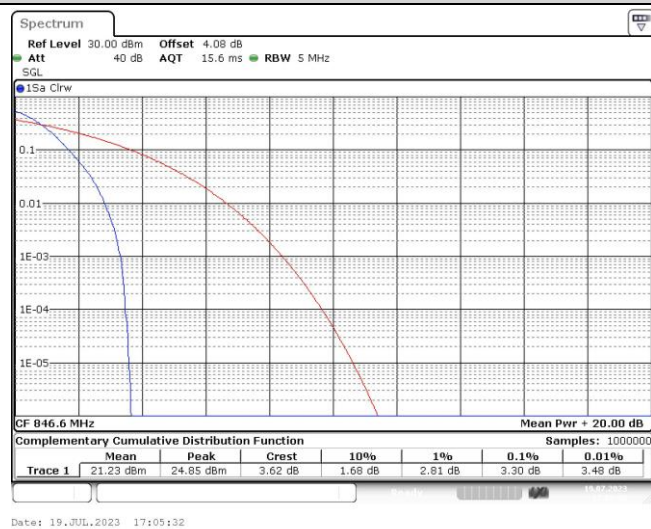
Band5-4183-3



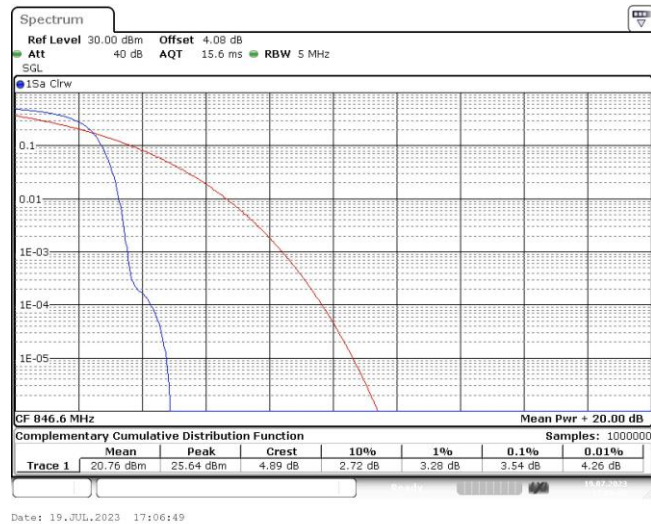
Band5-4183-4



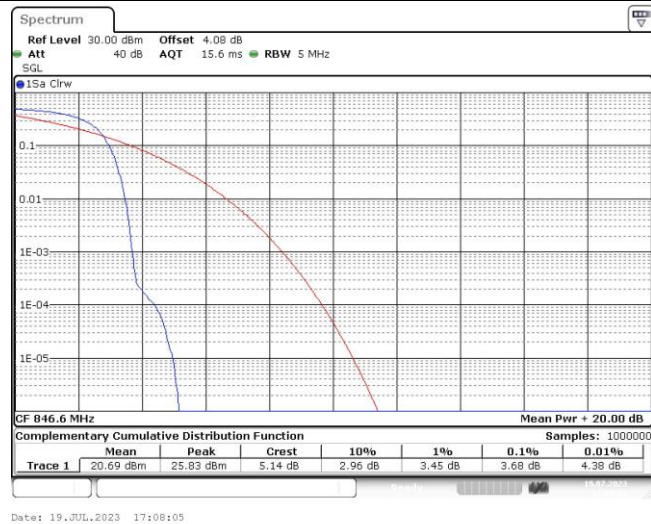
Band5-4233-1



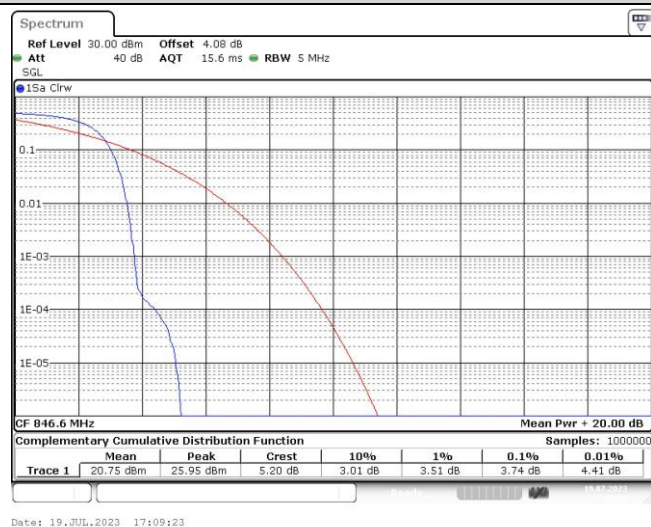
Band5-4233-2



Band5-4233-3

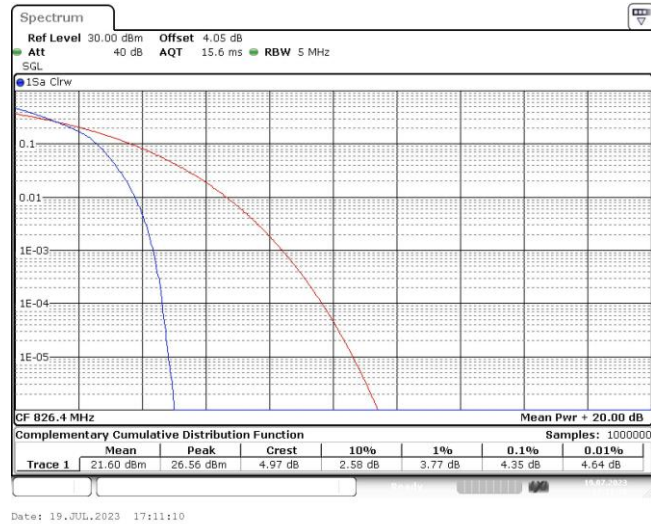


Band5-4233-4

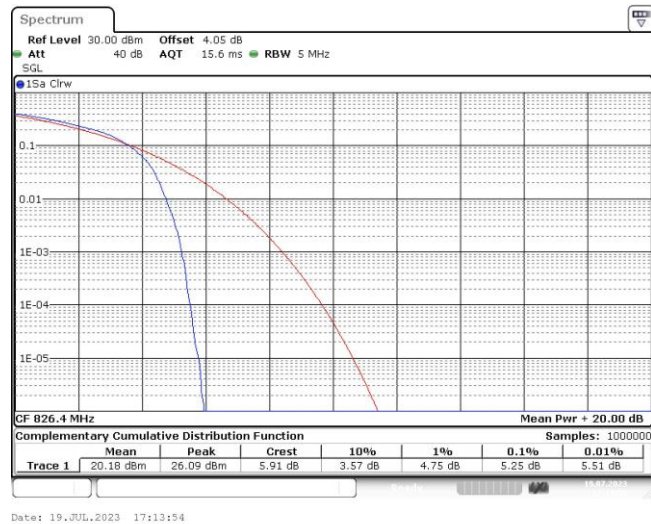


HSUPA

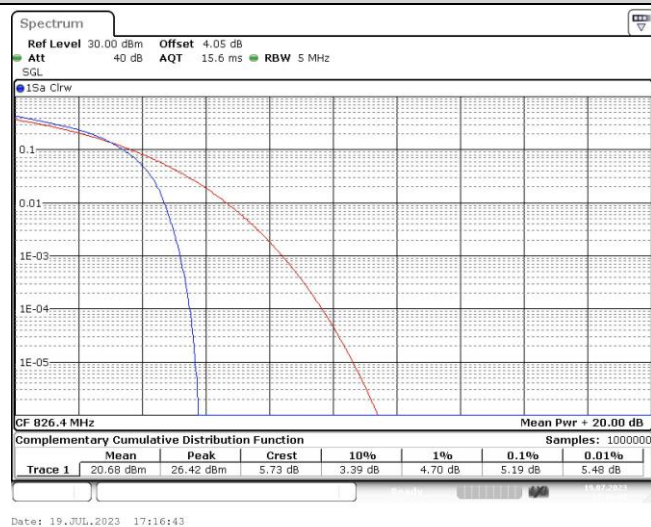
Band5-4132-1



Band5-4132-2



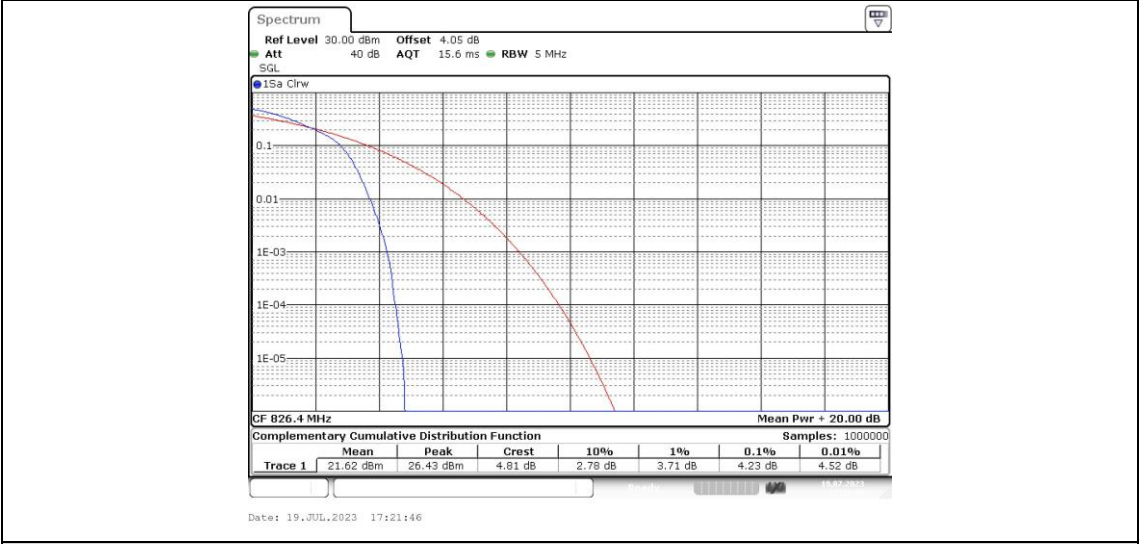
Band5-4132-3



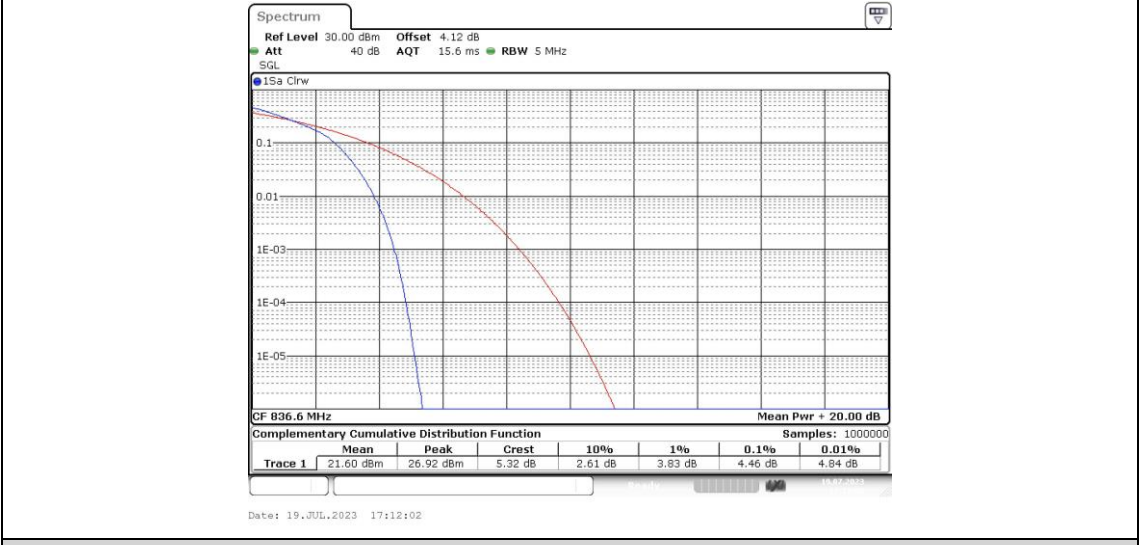
Band5-4132-4



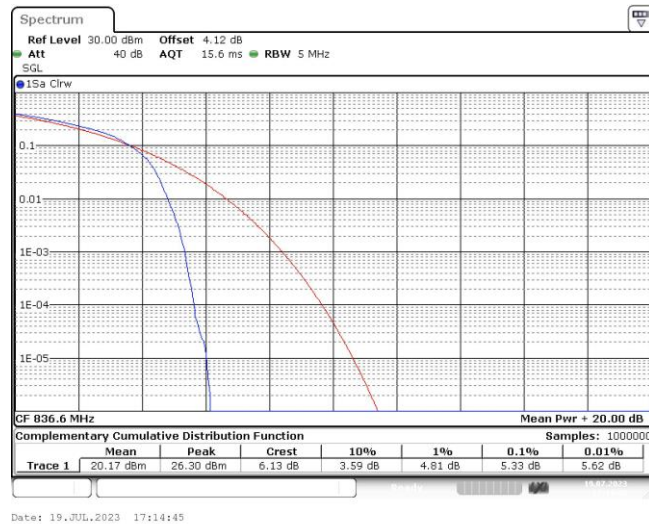
Band5-4132-5



Band5-4183-1



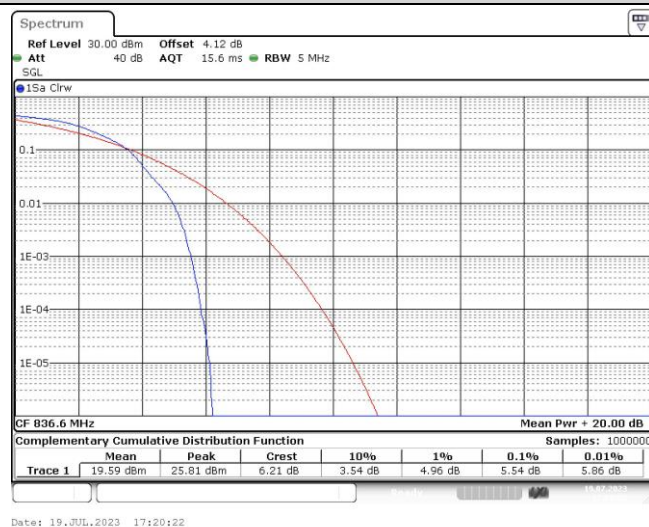
Band5-4183-2



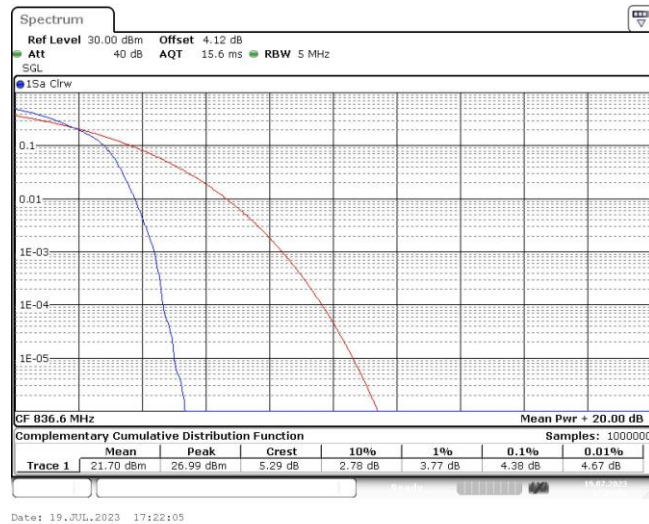
Band5-4183-3



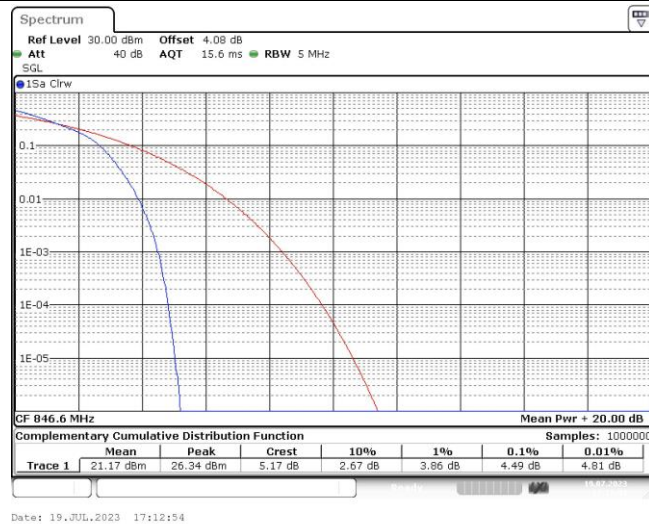
Band5-4183-4



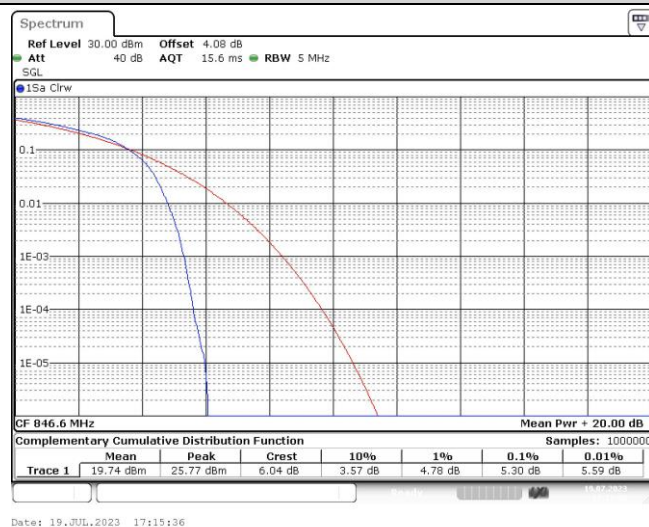
Band5-4183-5



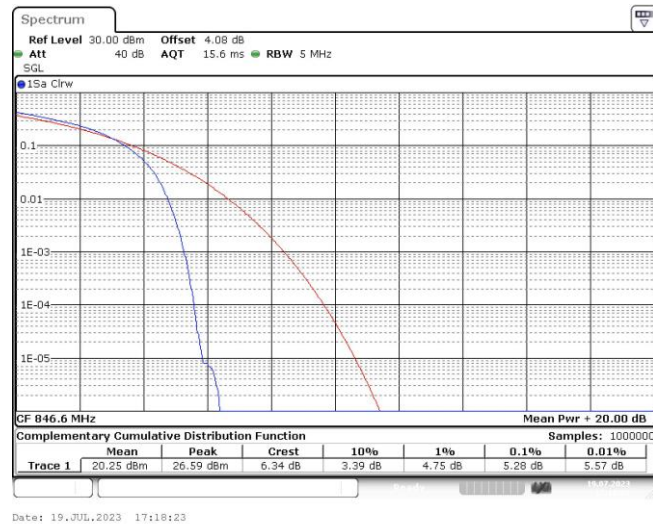
Band5-4233-1



Band5-4233-2



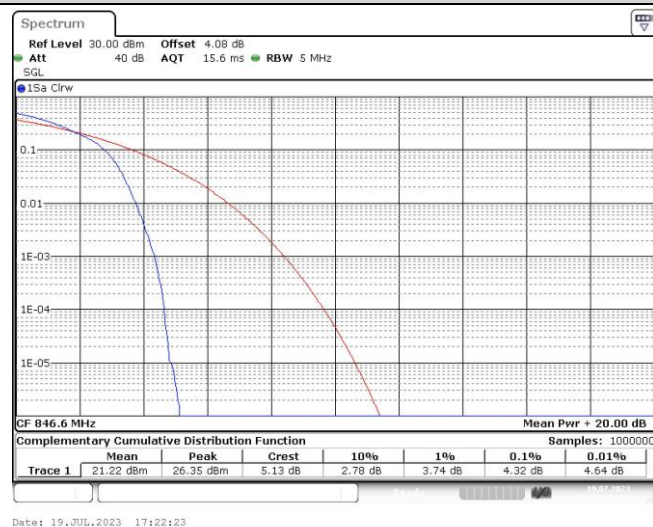
Band5-4233-3



Band5-4233-4



Band5-4233-5



AppendixC:26dB Bandwidth andOccupied Bandwidth

Test Result

WCDMA

Band	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit(MHz)	Verdict
Band5	4132	4.146	4.72	---	PASS
Band5	4183	4.146	4.74	---	PASS
Band5	4233	4.146	4.73	---	PASS

HSDPA

Band	Channel	SubTest	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit(MHz)	Verdict
Band5	4132	1	4.156	4.74	---	PASS
Band5	4132	2	4.146	4.73	---	PASS
Band5	4132	3	4.156	4.73	---	PASS
Band5	4132	4	4.156	4.74	---	PASS
Band5	4183	1	4.156	4.74	---	PASS
Band5	4183	2	4.156	4.74	---	PASS
Band5	4183	3	4.146	4.75	---	PASS
Band5	4183	4	4.156	4.74	---	PASS
Band5	4233	1	4.156	4.72	---	PASS
Band5	4233	2	4.156	4.74	---	PASS
Band5	4233	3	4.156	4.74	---	PASS
Band5	4233	4	4.156	4.74	---	PASS

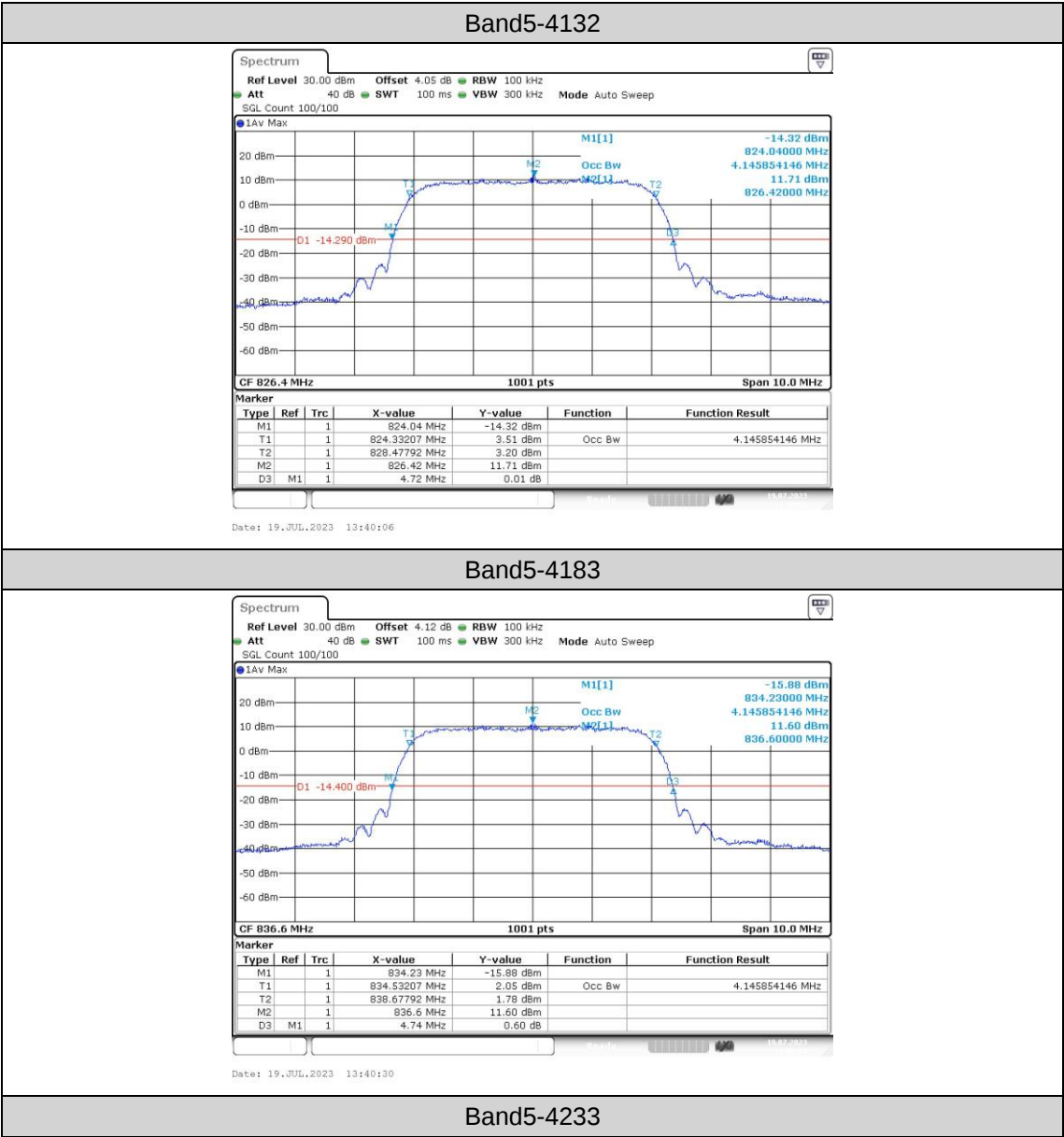
HSUPA

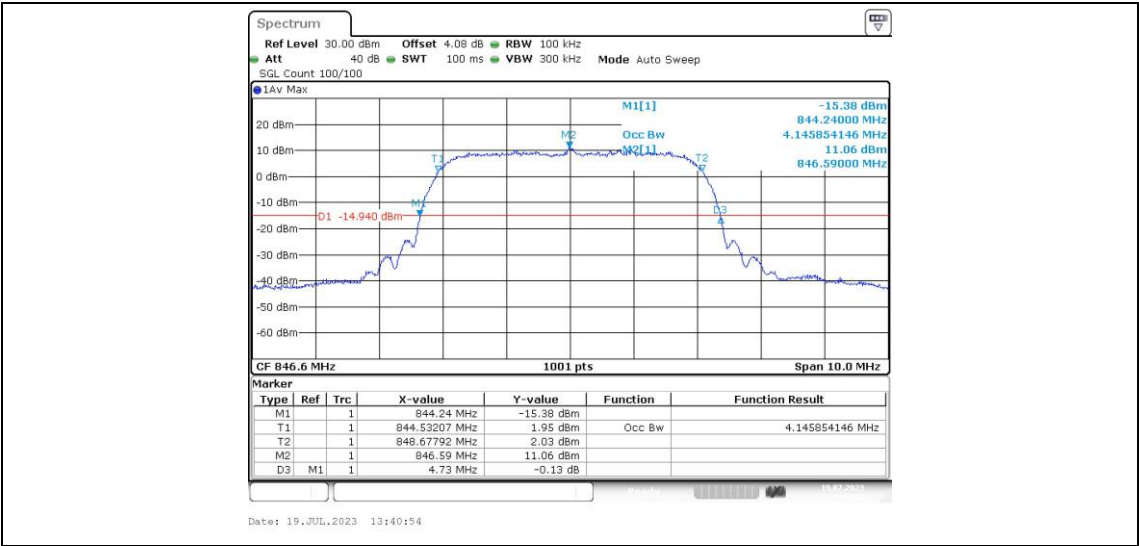
Band	Channel	SubTest	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit(MHz)	Verdict
Band5	4132	1	4.166	4.75	---	PASS
Band5	4132	2	4.166	4.76	---	PASS
Band5	4132	3	4.156	4.76	---	PASS
Band5	4132	4	4.166	4.77	---	PASS
Band5	4132	5	4.146	4.74	---	PASS
Band5	4183	1	4.166	4.74	---	PASS
Band5	4183	2	4.166	4.76	---	PASS
Band5	4183	3	4.156	4.75	---	PASS
Band5	4183	4	4.166	4.75	---	PASS
Band5	4183	5	4.146	4.74	---	PASS

Band5	4233	1	4.156	4.74	---	PASS
Band5	4233	2	4.156	4.77	---	PASS
Band5	4233	3	4.176	4.76	---	PASS
Band5	4233	4	4.156	4.76	---	PASS
Band5	4233	5	4.146	4.74	---	PASS

Test Graphs

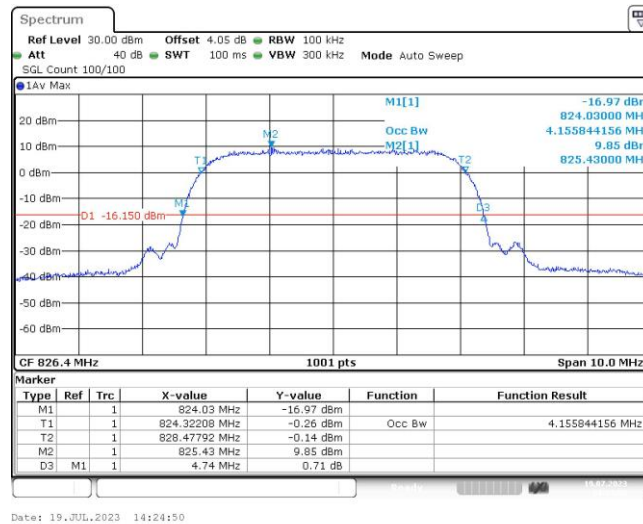
WCDMA



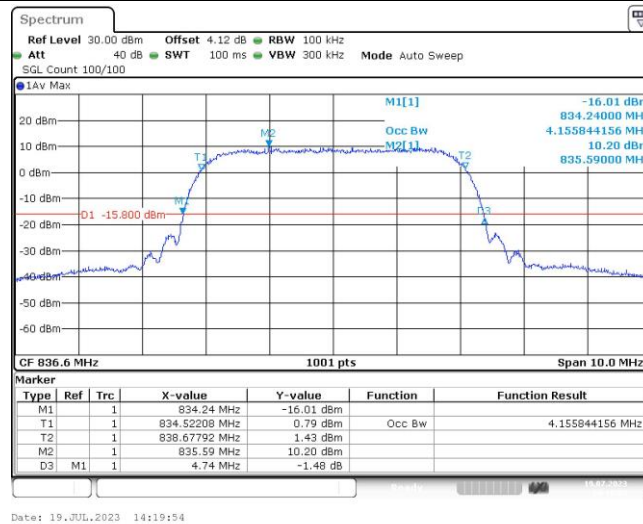


HSDPA

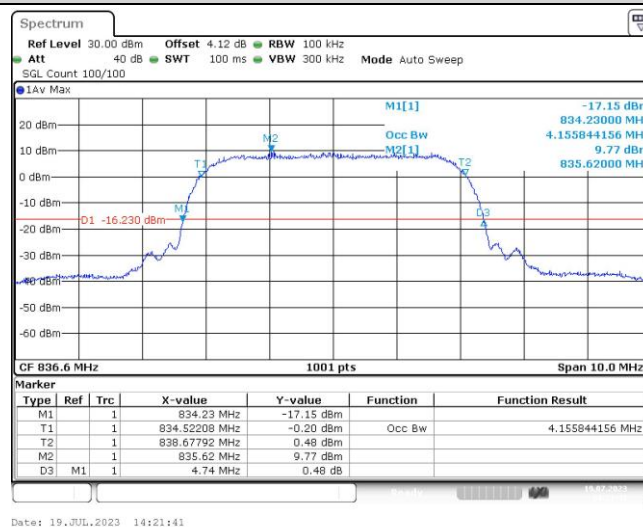




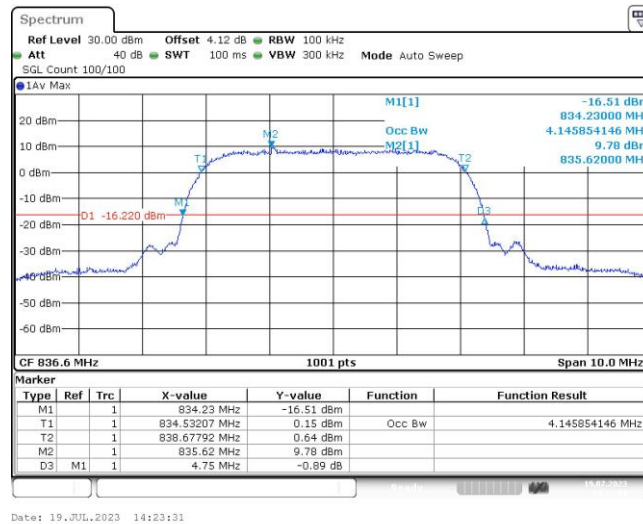
Band5-4183-1



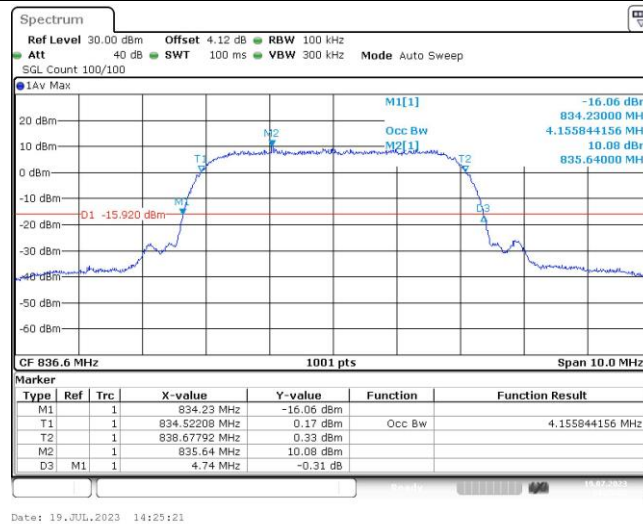
Band5-4183-2



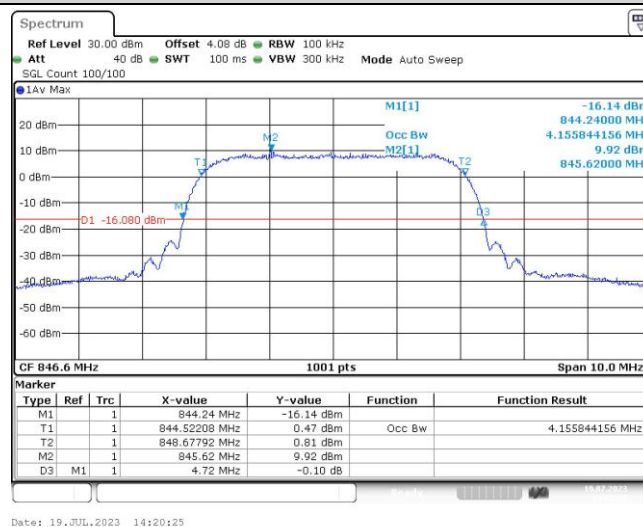
Band5-4183-3



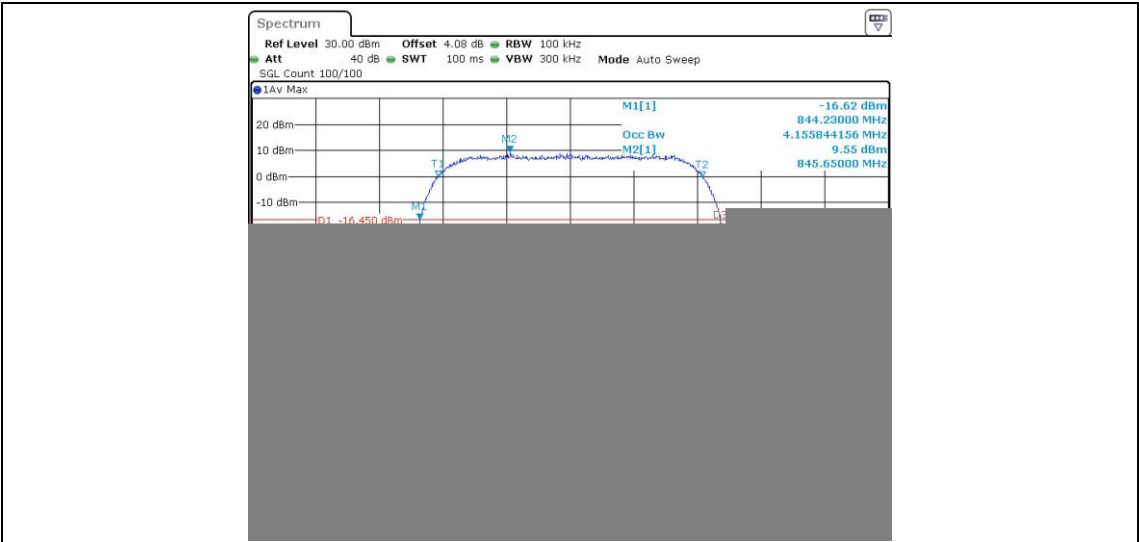
Band5-4183-4



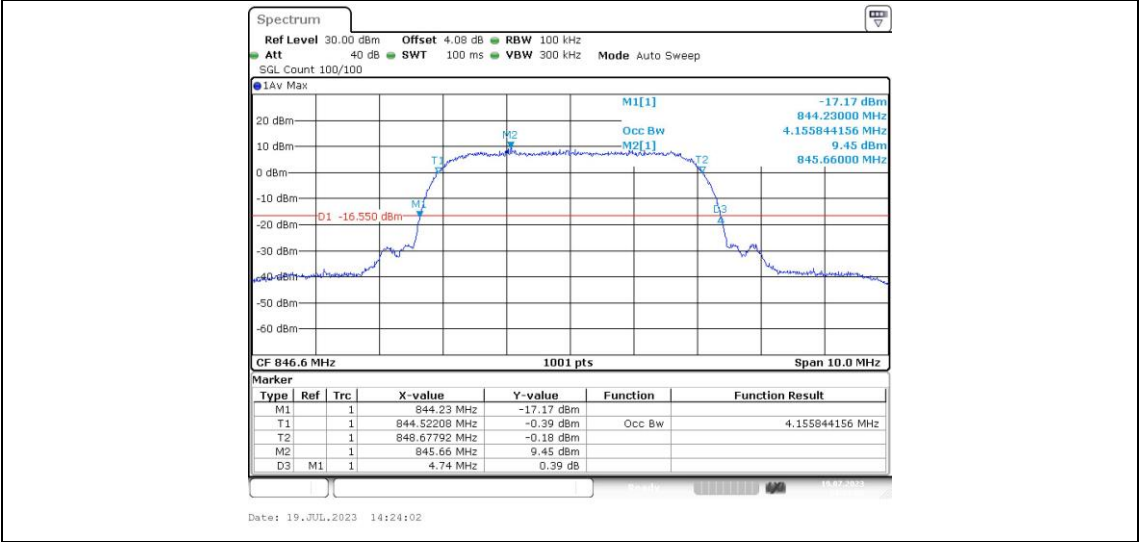
Band5-4233-1



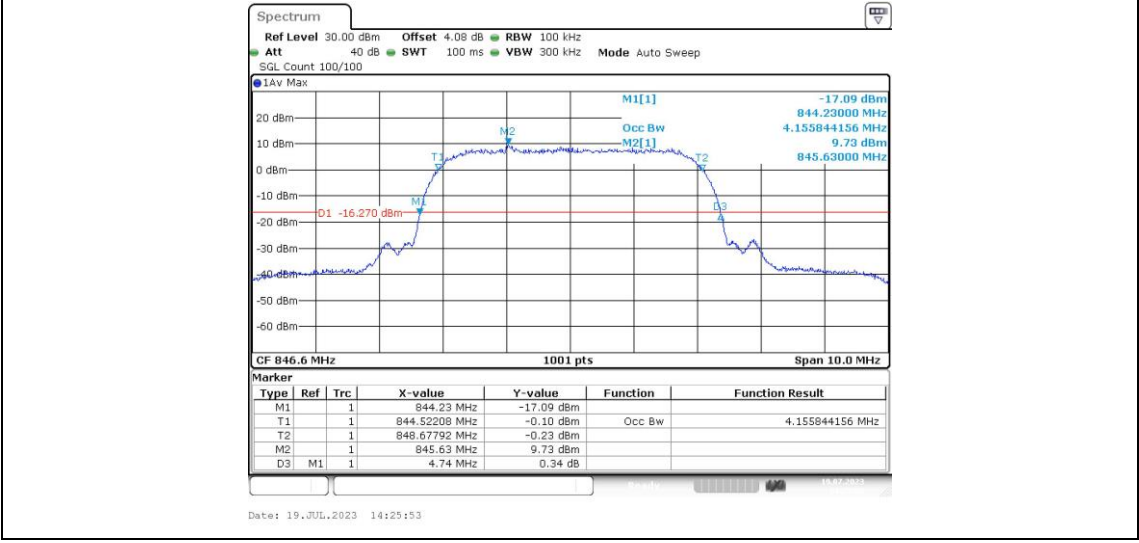
Band5-4233-2



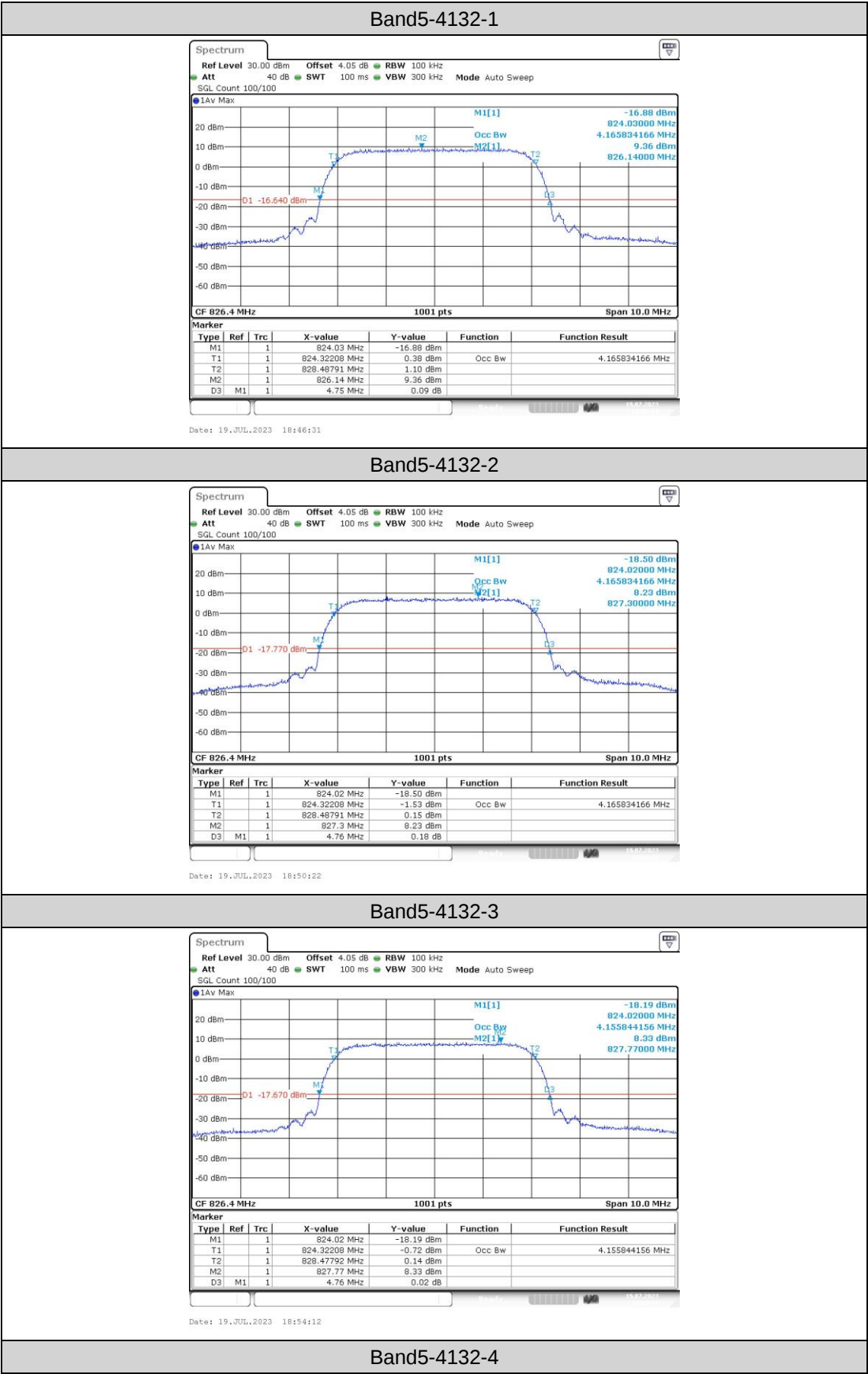
Band5-4233-3

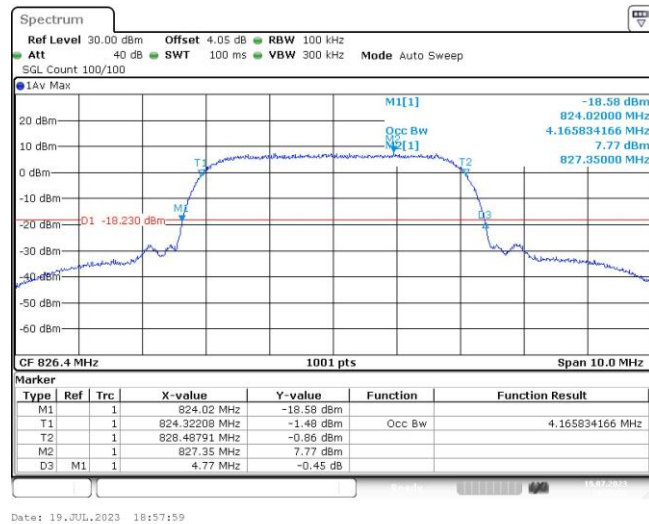


Band5-4233-4

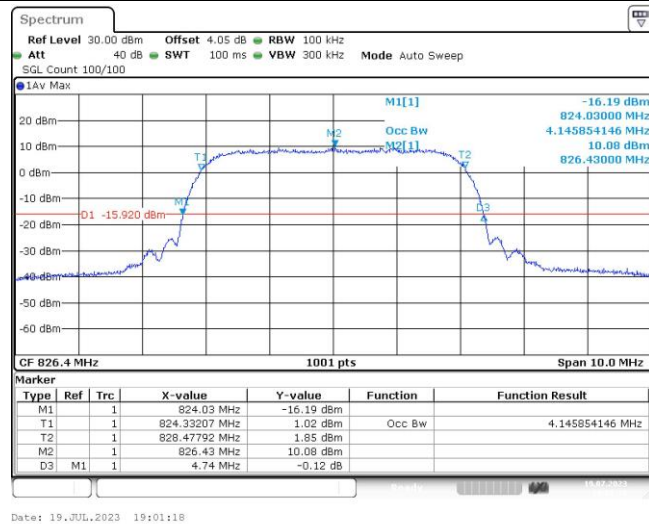


HSUPA

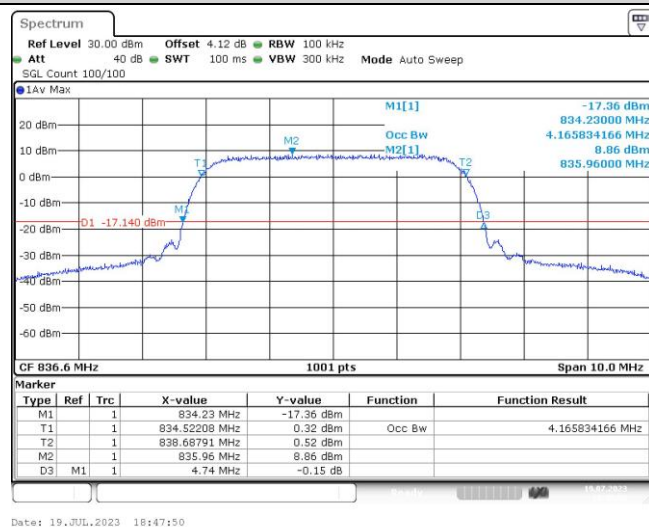




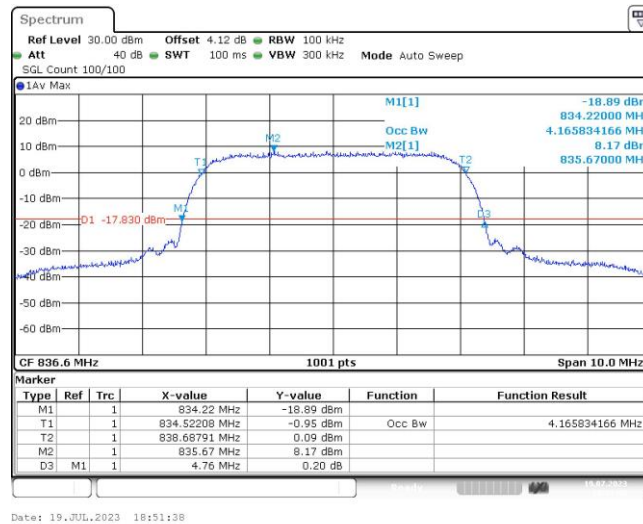
Band5-4132-5



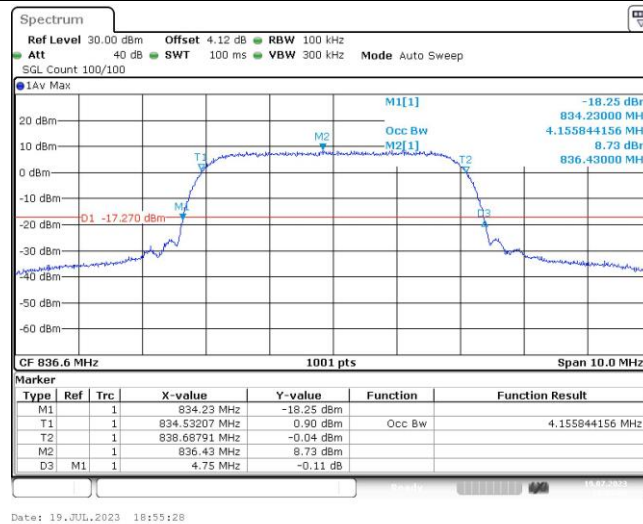
Band5-4183-1



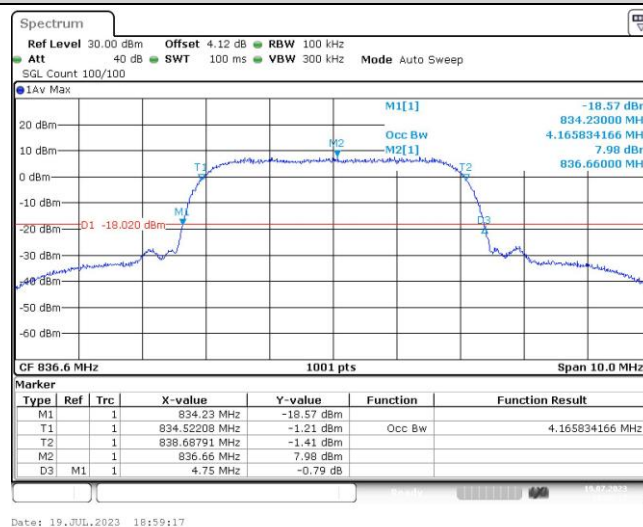
Band5-4183-2



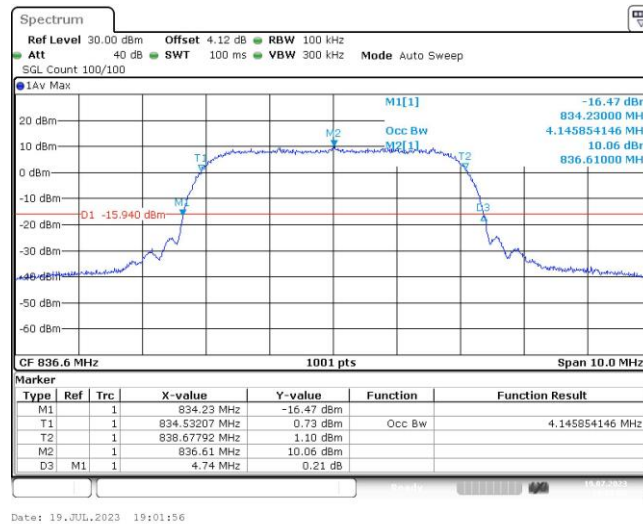
Band5-4183-3



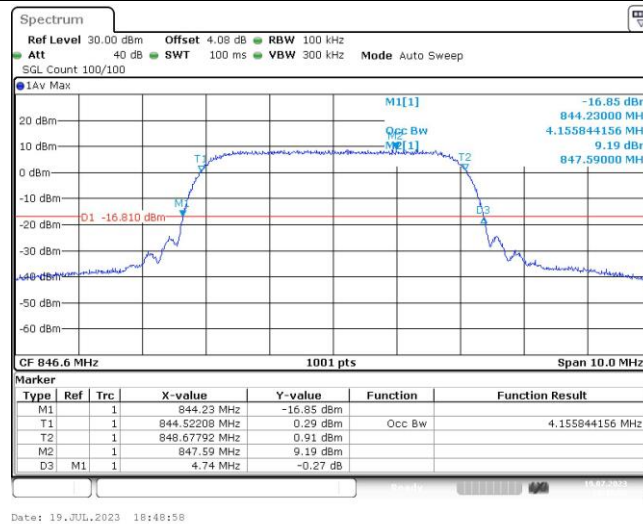
Band5-4183-4



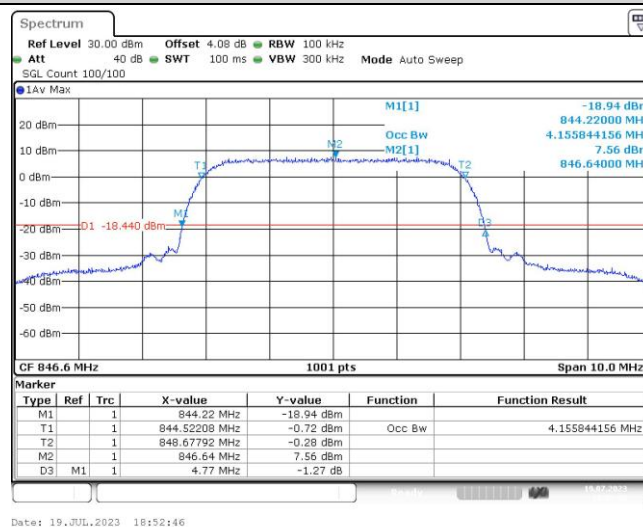
Band5-4183-5



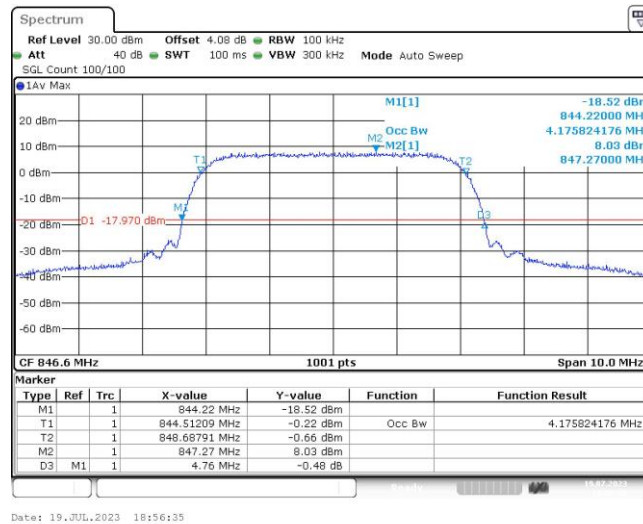
Band5-4233-1



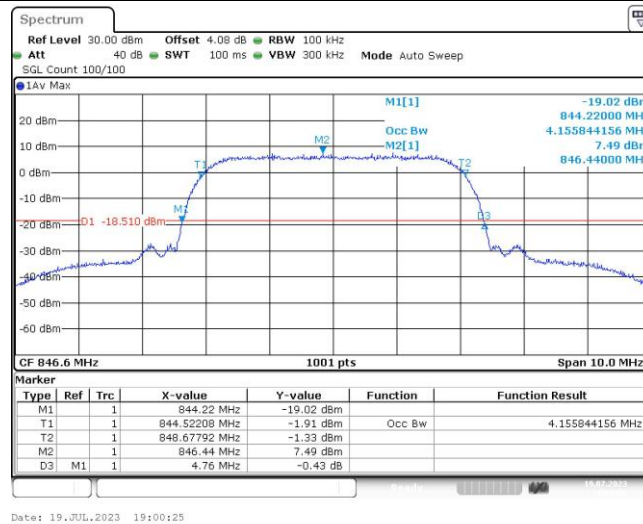
Band5-4233-2



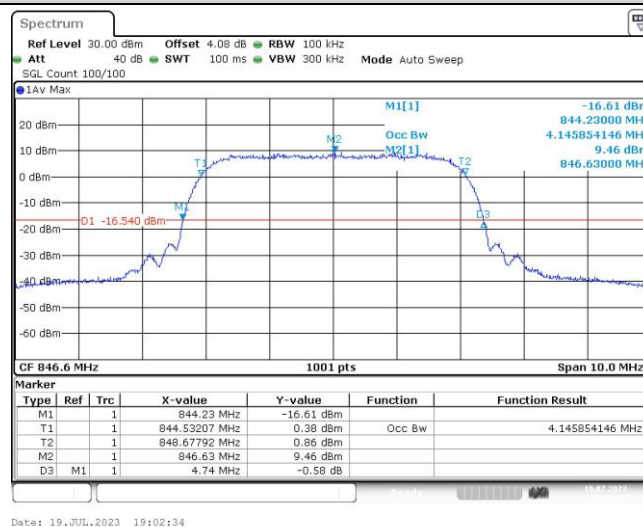
Band5-4233-3



Band5-4233-4



Band5-4233-5



AppendixD:Band Edge

Test Result

WCDMA

Band	Channel	Frequency (MHz)	Result (dBm)	Limit(dBm)	Verdict
Band5	4132	824.00	-24.94	-13	PASS
Band5	4233	849.13	-26.62	-13	PASS

HSDPA

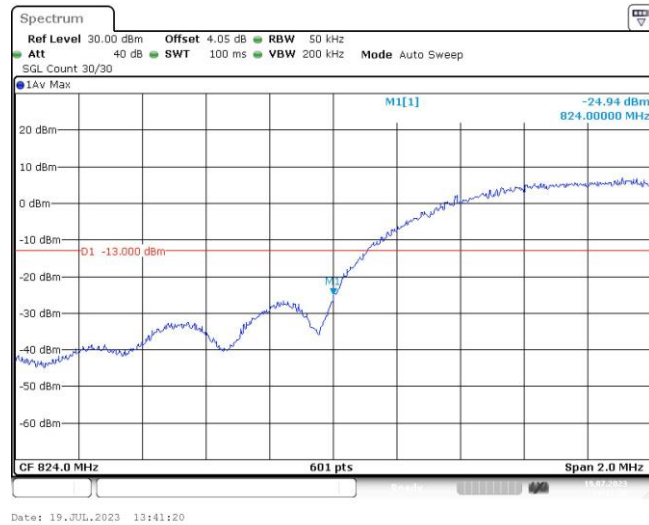
Band	Channel	SubTest	Frequency (MHz)	Result (dBm)	Limit(dBm)	Verdict
Band5	4132	1	823.88	-26.42	-13	PASS
Band5	4132	2	824.00	-26.68	-13	PASS
Band5	4132	3	824.00	-25.62	-13	PASS
Band5	4132	4	824.00	-25.37	-13	PASS
Band5	4233	1	849.17	-27.15	-13	PASS
Band5	4233	2	849.00	-26.01	-13	PASS
Band5	4233	3	849.00	-25.41	-13	PASS
Band5	4233	4	849.00	-25.57	-13	PASS

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Band	Channel	SubTest	Frequency (MHz)	Result (dBm)	Limit(dBm)	Verdict
Band5	4132	1	824.00	-26.74	-13	PASS
Band5	4132	2	824.00	-27.35	-13	PASS
Band5	4132	3	824.00	-27.35	-13	PASS
Band5	4132	4	823.83	-28.08	-13	PASS
Band5	4132	5	824.00	-26.00	-13	PASS
Band5	4233	1	849.00	-27.45	-13	PASS
Band5	4233	2	849.00	-27.73	-13	PASS
Band5	4233	3	849.00	-27.12	-13	PASS
Band5	4233	4	849.00	-27.14	-13	PASS
Band5	4233	5	849.00	-27.37	-13	PASS

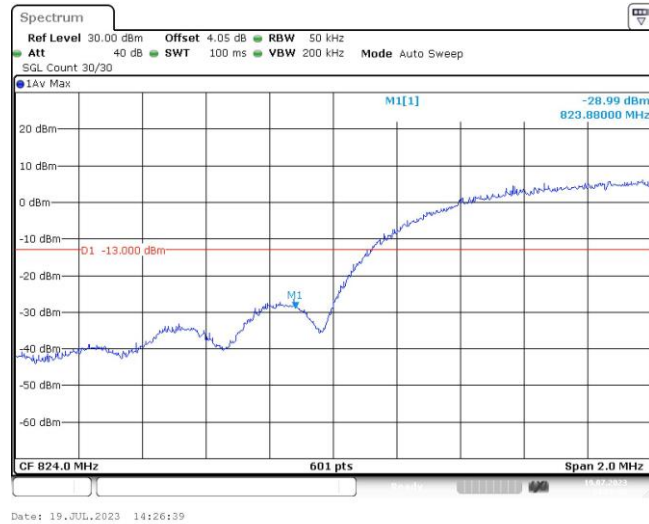
Test Graphs

WCDMA

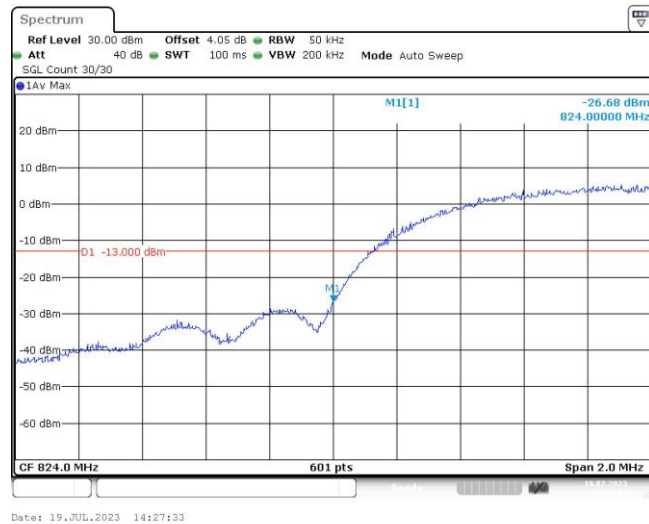
Band5-4132**Band5-4233**

HSDPA

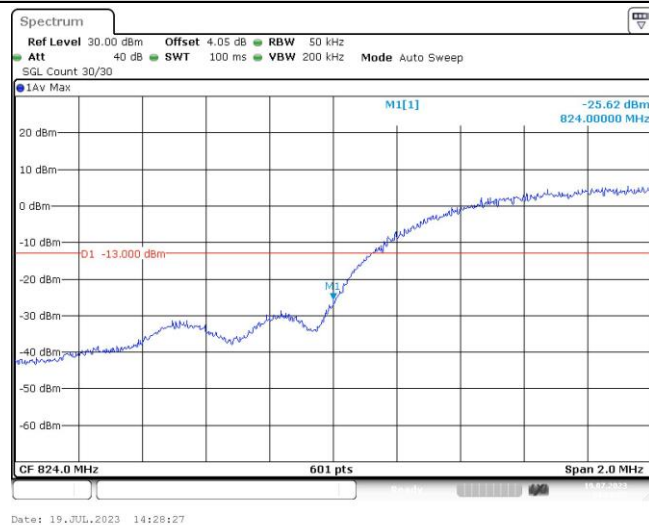
Band5-4132-1



Band5-4132-2



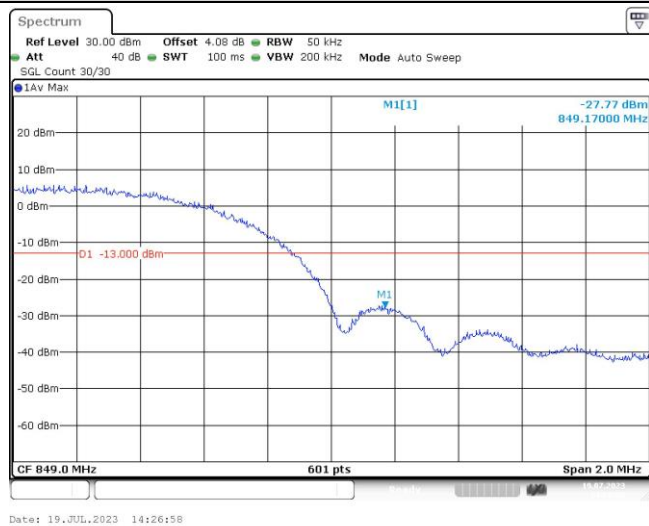
Band5-4132-3



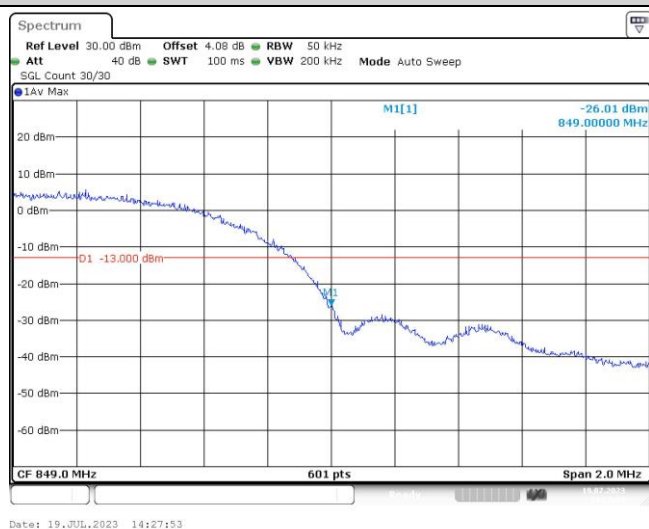
Band5-4132-4



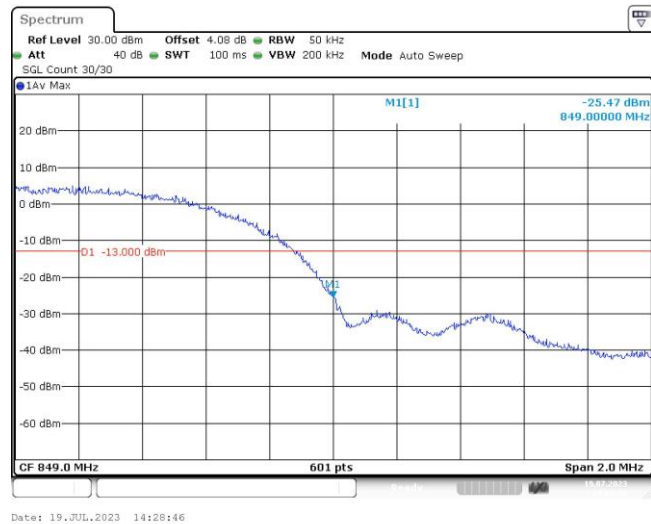
Band5-4233-1



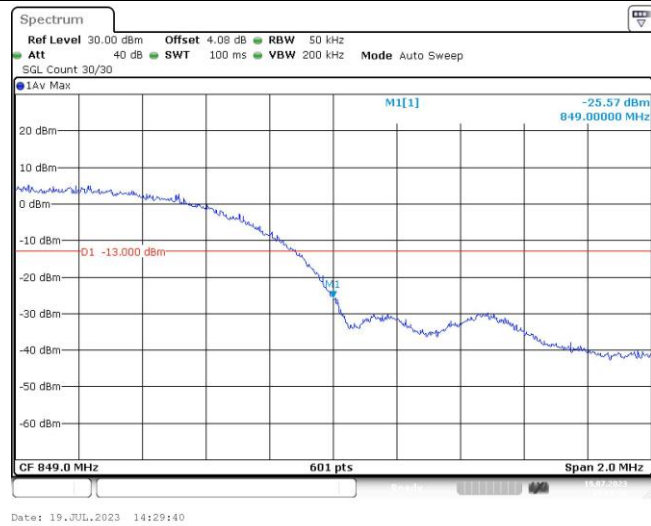
Band5-4233-2



Band5-4233-3

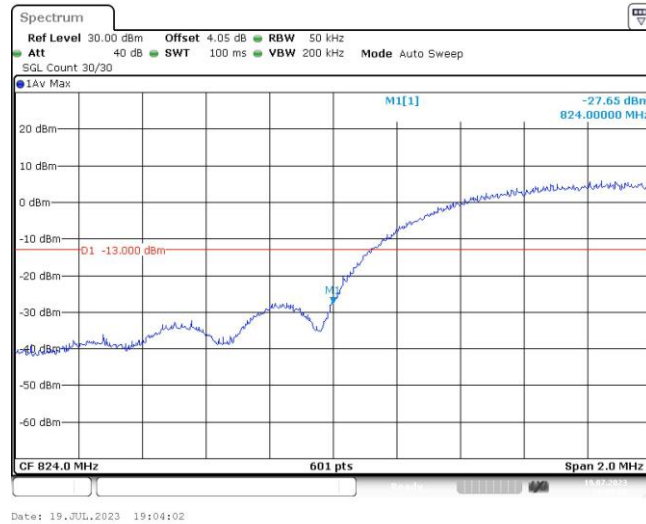


Band5-4233-4

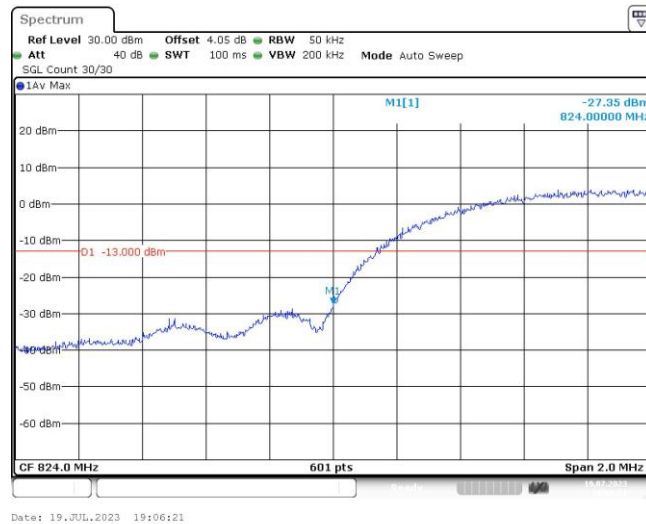


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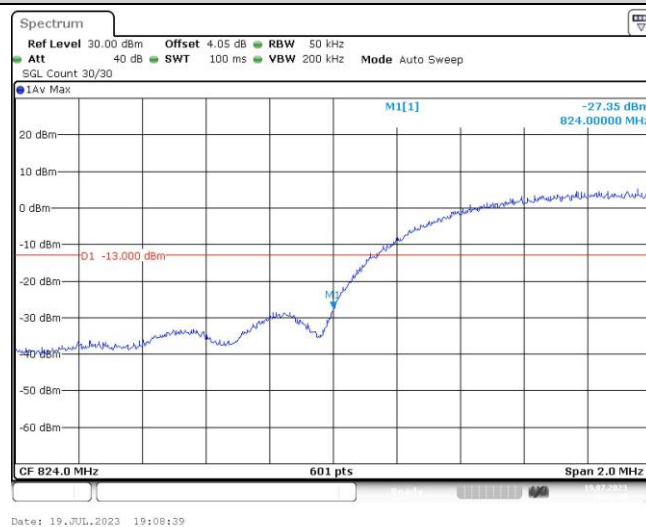
Band5-4132-1



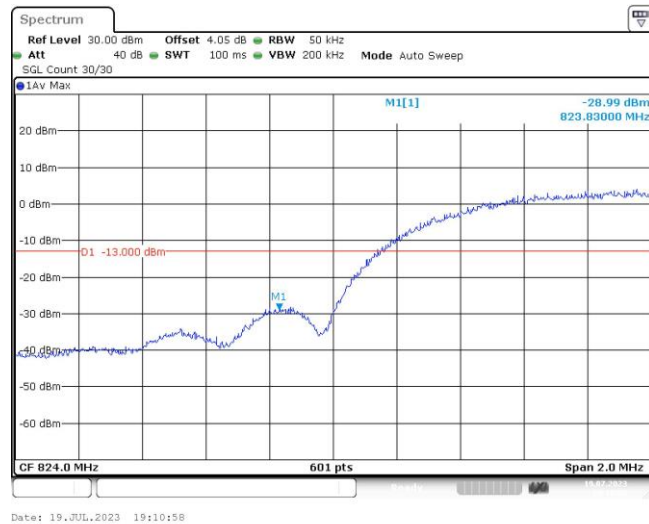
Band5-4132-2



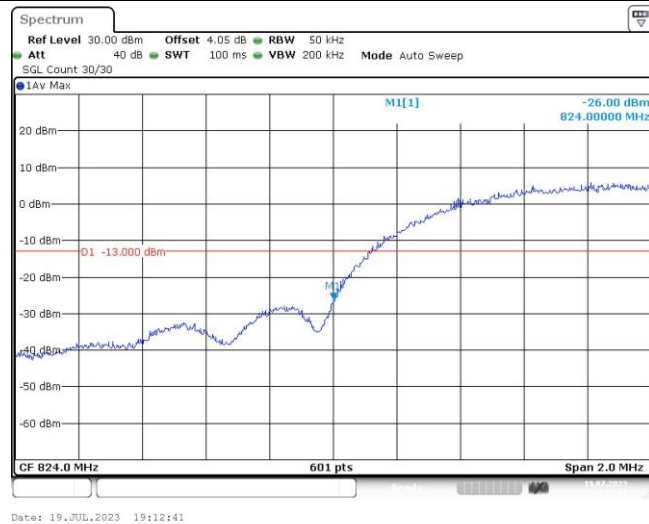
Band5-4132-3



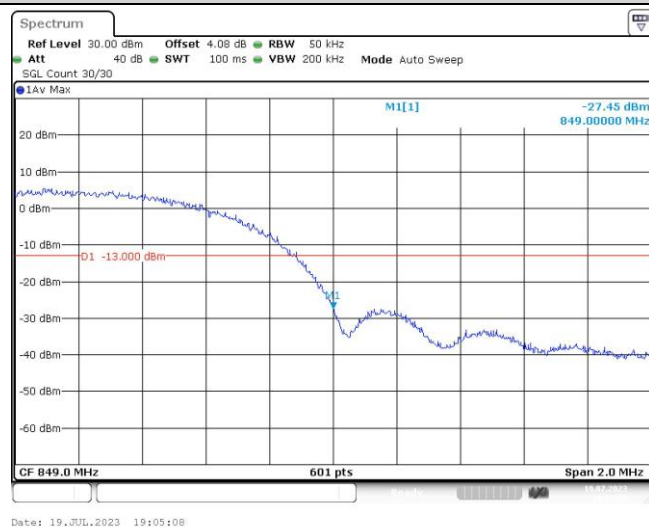
Band5-4132-4



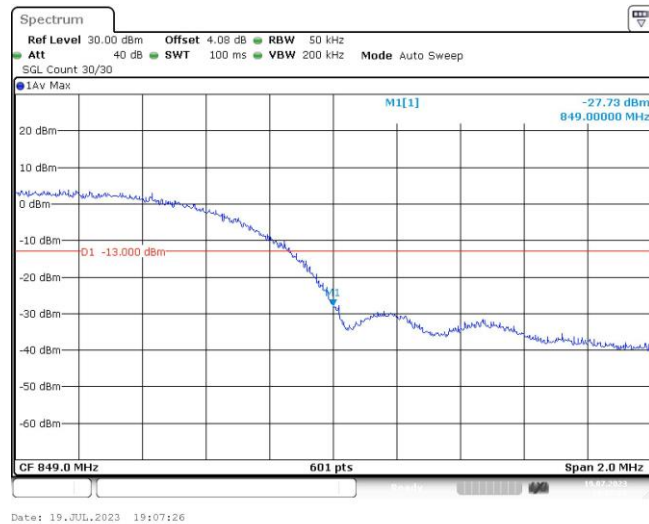
Band5-4132-5



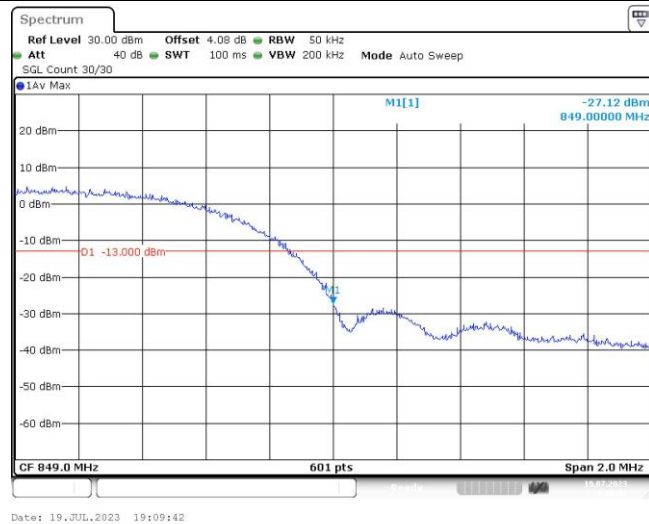
Band5-4233-1



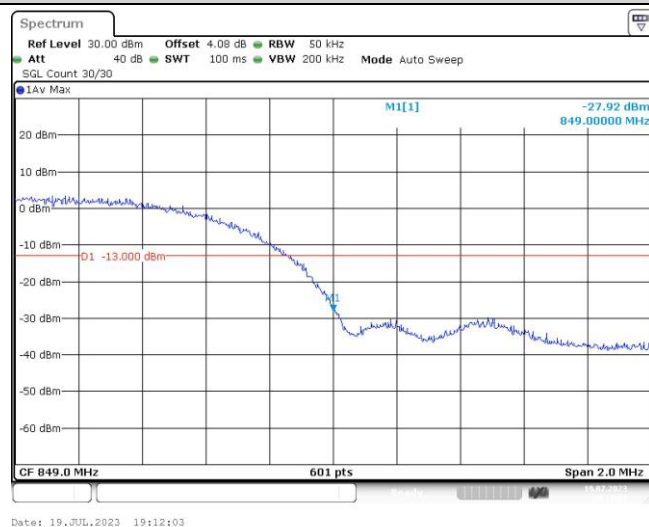
Band5-4233-2



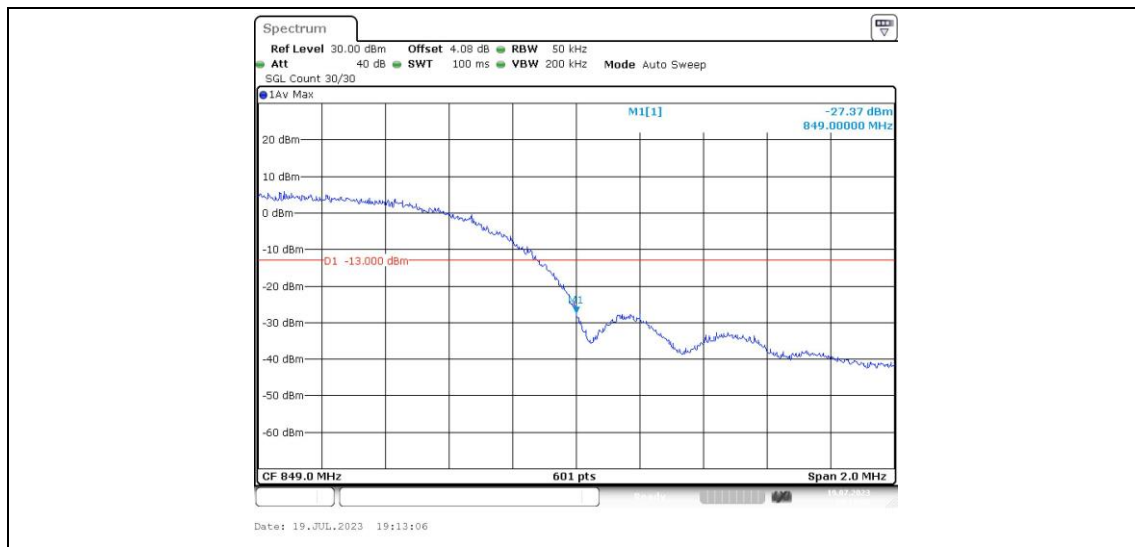
Band5-4233-3



Band5-4233-4



Band5-4233-5



AppendixE:Conducted SpuriousEmission

Test Result

WCDMA

Band	Channel	Frequency Range (Mhz)	Frequency (dBm)	Result (dBm)	Limit (dBm)	Verdict
Band5	4132	0.009~0.15MHz	0.11	-70.88	-33	PASS
Band5	4132	0.15~30MHz	0.17	-63.81	-13	PASS
Band5	4132	30~1000MHz	987.39	-63.4	-13	PASS
Band5	4132	1000~10000MHz	6660.04	-47.69	-13	PASS
Band5	4183	0.009~0.15MHz	0.13	-71.66	-33	PASS
Band5	4183	0.15~30MHz	0.17	-64.22	-13	PASS
Band5	4183	30~1000MHz	191.51	-62.61	-13	PASS
Band5	4183	1000~10000MHz	6575.45	-47.64	-13	PASS
Band5	4233	0.009~0.15MHz	0.15	-73.73	-33	PASS
Band5	4233	0.15~30MHz	0.23	-63.06	-13	PASS
Band5	4233	30~1000MHz	661.96	-63.48	-13	PASS
Band5	4233	1000~10000MHz	6622.24	-48.19	-13	PASS

HSDPA

Band	Channel	SubTest	Frequency Range (Mhz)	Frequency (dBm)	Result (dBm)	Limit (dBm)	Verdict
Band5	4132	1	0.15~30MHz	0.2	-65.05	-13	PASS
Band5	4132	1	30~1000MHz	979.63	-63.13	-13	PASS
Band5	4132	1	1000~10000MHz	6817.53	-47.82	-13	PASS
Band5	4132	1	0.009~0.15MHz	0.06	-74.56	-33	PASS
Band5	4132	2	0.15~30MHz	0.85	-64.54	-13	PASS
Band5	4132	2	30~1000MHz	705.61	-63.06	-13	PASS
Band5	4132	2	1000~10000MHz	6590.75	-47.79	-13	PASS
Band5	4132	2	0.009~0.15MHz	0.1	-74.49	-33	PASS
Band5	4132	3	0.15~30MHz	0.17	-62.59	-13	PASS
Band5	4132	3	0.009~0.15MHz	0.1	-73.98	-33	PASS
Band5	4132	3	1000~10000MHz	6812.58	-47.57	-13	PASS
Band5	4132	3	30~1000MHz	985.94	-63.92	-13	PASS
Band5	4132	4	0.15~30MHz	0.2	-65.65	-13	PASS
Band5	4132	4	1000~10000MHz	6659.14	-47.51	-13	PASS
Band5	4132	4	0.009~0.15MHz	0.07	-74.6	-33	PASS
Band5	4132	4	30~1000MHz	966.05	-63.62	-13	PASS
Band5	4183	1	1000~10000MHz	6947.58	-47.87	-13	PASS
Band5	4183	1	30~1000MHz	597.45	-62.84	-13	PASS
Band5	4183	1	0.009~0.15MHz	0.01	-75.08	-33	PASS
Band5	4183	1	0.15~30MHz	0.17	-64.64	-13	PASS

Band5	4183	2	0.15~30MHz	0.46	-65.28	-13	PASS
Band5	4183	2	30~1000MHz	277.84	-63.18	-13	PASS
Band5	4183	2	0.009~0.15MHz	0.04	-75.01	-33	PASS
Band5	4183	2	1000~10000MHz	6996.18	-47.74	-13	PASS
Band5	4183	3	30~1000MHz	961.69	-63.59	-13	PASS
Band5	4183	3	0.15~30MHz	1.33	-65.6	-13	PASS
Band5	4183	3	1000~10000MHz	6555.65	-47.72	-13	PASS
Band5	4183	3	0.009~0.15MHz	0.01	-70.77	-33	PASS
Band5	4183	4	0.009~0.15MHz	0.1	-73.46	-33	PASS
Band5	4183	4	0.15~30MHz	0.31	-65.05	-13	PASS
Band5	4183	4	30~1000MHz	698.82	-63.33	-13	PASS
Band5	4183	4	1000~10000MHz	5399.66	-48.2	-13	PASS
Band5	4233	1	0.15~30MHz	0.17	-65.19	-13	PASS
Band5	4233	1	30~1000MHz	998.06	-63.15	-13	PASS
Band5	4233	1	1000~10000MHz	6577.25	-48.17	-13	PASS
Band5	4233	1	0.009~0.15MHz	0.01	-78.08	-33	PASS
Band5	4233	2	0.009~0.15MHz	0.04	-78.19	-33	PASS
Band5	4233	2	0.15~30MHz	0.31	-64.8	-13	PASS
Band5	4233	2	1000~10000MHz	6853.08	-47.5	-13	PASS
Band5	4233	2	30~1000MHz	981.09	-62.57	-13	PASS
Band5	4233	3	0.009~0.15MHz	0.04	-76.65	-33	PASS
Band5	4233	3	0.15~30MHz	0.23	-65.45	-13	PASS
Band5	4233	3	30~1000MHz	723.07	-62.84	-13	PASS
Band5	4233	3	1000~10000MHz	6960.18	-48.08	-13	PASS
Band5	4233	4	1000~10000MHz	6552.95	-47.72	-13	PASS
Band5	4233	4	0.009~0.15MHz	0.1	-75.6	-33	PASS
Band5	4233	4	0.15~30MHz	0.25	-65.23	-13	PASS
Band5	4233	4	30~1000MHz	951.99	-62.58	-13	PASS

HSUPA

Band	Channel	SubTest	Frequency Range (Mhz)	Frequency (dBm)	Result (dBm)	Limit (dBm)	Verdict
Band5	4132	1	0.15~30MHz	0.34	-65.09	-13	PASS
Band5	4132	1	30~1000MHz	935.5	-63.63	-13	PASS
Band5	4132	1	1000~10000MHz	6598.4	-48.04	-13	PASS
Band5	4132	1	0.009~0.15MHz	0.1	-71.32	-33	PASS
Band5	4132	2	30~1000MHz	583.39	-62.75	-13	PASS
Band5	4132	2	1000~10000MHz	6551.6	-47.17	-13	PASS
Band5	4132	2	0.15~30MHz	0.2	-63.39	-13	PASS
Band5	4132	2	0.009~0.15MHz	0.02	-68.48	-33	PASS
Band5	4132	3	1000~10000MHz	6576.35	-47.67	-13	PASS
Band5	4132	3	0.009~0.15MHz	0.1	-69.69	-33	PASS
Band5	4132	3	0.15~30MHz	0.23	-64.17	-13	PASS

Band5	4132	3	30~1000MHz	652.26	-63.79	-13	PASS
Band5	4132	4	1000~10000MHz	6652.39	-48	-13	PASS
Band5	4132	4	0.009~0.15MHz	0.01	-74.5	-33	PASS
Band5	4132	4	30~1000MHz	471.84	-63.47	-13	PASS
Band5	4132	4	0.15~30MHz	0.25	-62.49	-13	PASS
Band5	4132	5	0.009~0.15MHz	0.15	-69.89	-33	PASS
Band5	4132	5	1000~10000MHz	6619.99	-47.82	-13	PASS
Band5	4132	5	0.15~30MHz	0.17	-64.83	-13	PASS
Band5	4132	5	30~1000MHz	967.02	-63.52	-13	PASS
Band5	4183	1	1000~10000MHz	6590.75	-47.94	-13	PASS
Band5	4183	1	30~1000MHz	640.62	-63.17	-13	PASS
Band5	4183	1	0.009~0.15MHz	0.1	-69.36	-33	PASS
Band5	4183	1	0.15~30MHz	0.64	-64.5	-13	PASS
Band5	4183	2	0.009~0.15MHz	0.01	-66.49	-33	PASS
Band5	4183	2	30~1000MHz	970.9	-62.8	-13	PASS
Band5	4183	2	0.15~30MHz	0.43	-63.21	-13	PASS
Band5	4183	2	1000~10000MHz	6956.13	-47.41	-13	PASS
Band5	4183	3	0.15~30MHz	0.17	-64.73	-13	PASS
Band5	4183	3	30~1000MHz	947.62	-63.2	-13	PASS
Band5	4183	3	1000~10000MHz	6845.88	-47.82	-13	PASS
Band5	4183	3	0.009~0.15MHz	0.13	-68.21	-33	PASS
Band5	4183	4	0.009~0.15MHz	0.13	-74.12	-33	PASS
Band5	4183	4	1000~10000MHz	6549.35	-47.99	-13	PASS
Band5	4183	4	0.15~30MHz	0.34	-63.6	-13	PASS
Band5	4183	4	30~1000MHz	686.69	-62.93	-13	PASS
Band5	4183	5	1000~10000MHz	6608.29	-47.96	-13	PASS
Band5	4183	5	0.15~30MHz	0.31	-64.39	-13	PASS
Band5	4183	5	30~1000MHz	977.21	-63.34	-13	PASS
Band5	4183	5	0.009~0.15MHz	0.12	-68.93	-33	PASS
Band5	4233	1	1000~10000MHz	6878.28	-47.32	-13	PASS
Band5	4233	1	30~1000MHz	974.3	-63.01	-13	PASS
Band5	4233	1	0.15~30MHz	0.17	-65.09	-13	PASS
Band5	4233	1	0.009~0.15MHz	0.09	-72.71	-33	PASS
Band5	4233	2	0.009~0.15MHz	0.02	-69.73	-33	PASS
Band5	4233	2	0.15~30MHz	0.28	-64.26	-13	PASS
Band5	4233	2	30~1000MHz	979.63	-63	-13	PASS
Band5	4233	2	1000~10000MHz	6554.3	-47.64	-13	PASS
Band5	4233	3	30~1000MHz	965.57	-62.93	-13	PASS
Band5	4233	3	1000~10000MHz	6566	-47.9	-13	PASS
Band5	4233	3	0.009~0.15MHz	0.11	-73.12	-33	PASS
Band5	4233	3	0.15~30MHz	0.34	-64.53	-13	PASS
Band5	4233	4	0.009~0.15MHz	0.13	-77.93	-33	PASS
Band5	4233	4	1000~10000MHz	6554.75	-47.69	-13	PASS

Band5	4233	4	0.15~30MHz	0.17	-63.45	-13	PASS
Band5	4233	4	30~1000MHz	973.33	-63.81	-13	PASS
Band5	4233	5	1000~10000MHz	6611.89	-47.77	-13	PASS
Band5	4233	5	0.009~0.15MHz	0.13	-71.7	-33	PASS
Band5	4233	5	0.15~30MHz	0.2	-61.52	-13	PASS
Band5	4233	5	30~1000MHz	973.81	-62.56	-13	PASS