

Appendix for WCDMA BAND 5

Product Name: CSX8

Model No: LGT-08QA-2301

AppendixA: Average Power Output Data

Test Result

WCDMA

Band	Channel	Power(dBm)	Verdict
Band5	4132	24.13	PASS
Band5	4182	24.30	PASS
Band5	4233	24.59	PASS

HSDPA

Band	Channel	SubTest	Power(dBm)	Verdict
Band5	4132	1	23.10	PASS
Band5	4132	2	22.54	PASS
Band5	4132	3	22.50	PASS
Band5	4132	4	22.62	PASS
Band5	4182	1	23.29	PASS
Band5	4182	2	22.80	PASS
Band5	4182	3	22.80	PASS
Band5	4182	4	22.80	PASS
Band5	4233	1	23.58	PASS
Band5	4233	2	23.11	PASS
Band5	4233	3	23.11	PASS
Band5	4233	4	23.09	PASS

HSUPA

Band	Channel	SubTest	Power(dBm)	Verdict
Band5	4132	1	23.05	PASS
Band5	4132	2	21.62	PASS
Band5	4132	3	22.13	PASS
Band5	4132	4	21.02	PASS
Band5	4132	5	23.07	PASS
Band5	4182	1	23.21	PASS
Band5	4182	2	21.82	PASS
Band5	4182	3	22.32	PASS
Band5	4182	4	21.27	PASS
Band5	4182	5	23.35	PASS

Band5	4233	1	23.52	PASS
Band5	4233	2	22.13	PASS
Band5	4233	3	22.62	PASS
Band5	4233	4	21.57	PASS
Band5	4233	5	23.58	PASS

AppendixB:Peak-to-Average Ratio

Test Result

WCDMA

Band	Channel	Peak-to-Average Ratio(dB)	Limit(dB)	Verdict
Band5	4132	3.07	13	PASS
Band5	4182	3.22	13	PASS
Band5	4233	3.22	13	PASS

HSDPA

Band	Channel	SubTest	Peak-to-Average Ratio(dB)	Limit(dB)	Verdict
Band5	4132	1	3.25	13	PASS
Band5	4132	2	3.42	13	PASS
Band5	4132	3	3.57	13	PASS
Band5	4132	4	3.62	13	PASS
Band5	4182	1	3.28	13	PASS
Band5	4182	2	3.51	13	PASS
Band5	4182	3	3.68	13	PASS
Band5	4182	4	3.71	13	PASS
Band5	4233	1	3.30	13	PASS
Band5	4233	2	3.57	13	PASS
Band5	4233	3	3.77	13	PASS
Band5	4233	4	3.80	13	PASS

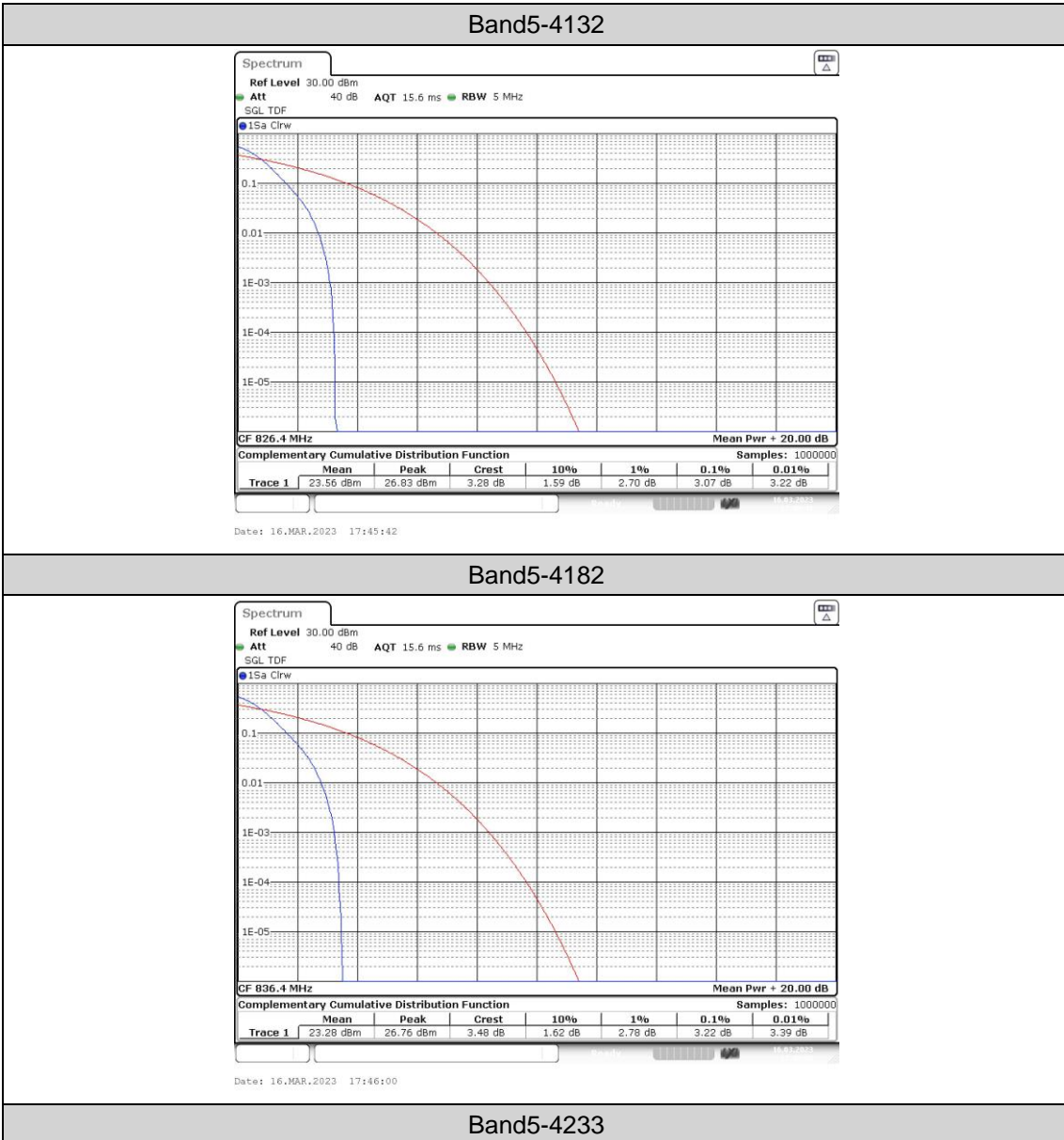
HSUPA

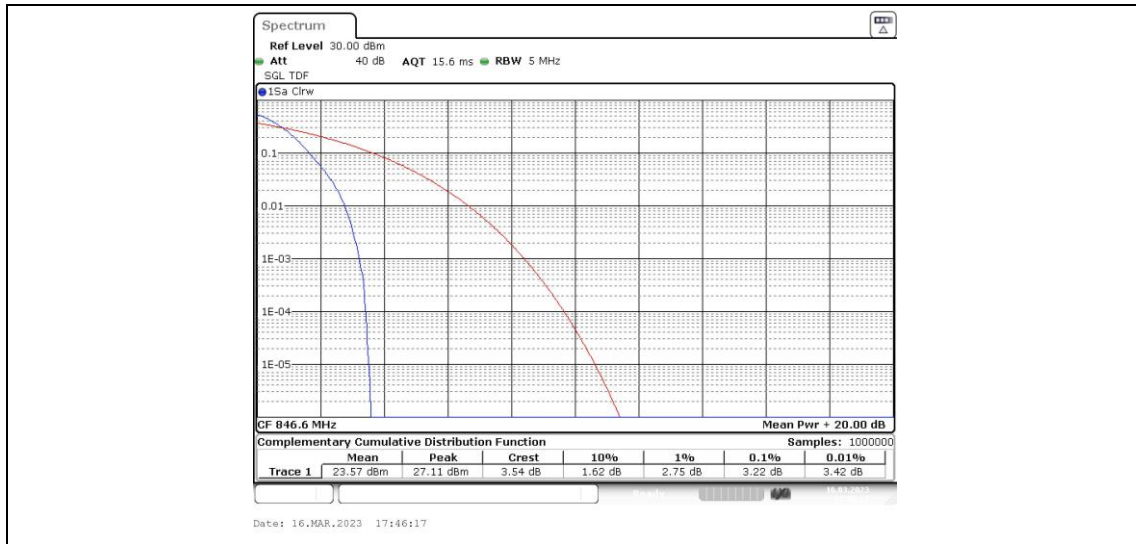
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Band5	4132	1	4.32	13	PASS
Band5	4132	2	5.25	13	PASS
Band5	4132	3	5.16	13	PASS
Band5	4132	4	5.45	13	PASS
Band5	4132	5	4.20	13	PASS
Band5	4182	1	4.46	13	PASS
Band5	4182	2	5.33	13	PASS
Band5	4182	3	5.30	13	PASS
Band5	4182	4	5.54	13	PASS
Band5	4182	5	4.35	13	PASS

Band5	4233	1	4.38	13	PASS
Band5	4233	2	5.25	13	PASS
Band5	4233	3	5.19	13	PASS
Band5	4233	4	5.45	13	PASS
Band5	4233	5	4.29	13	PASS

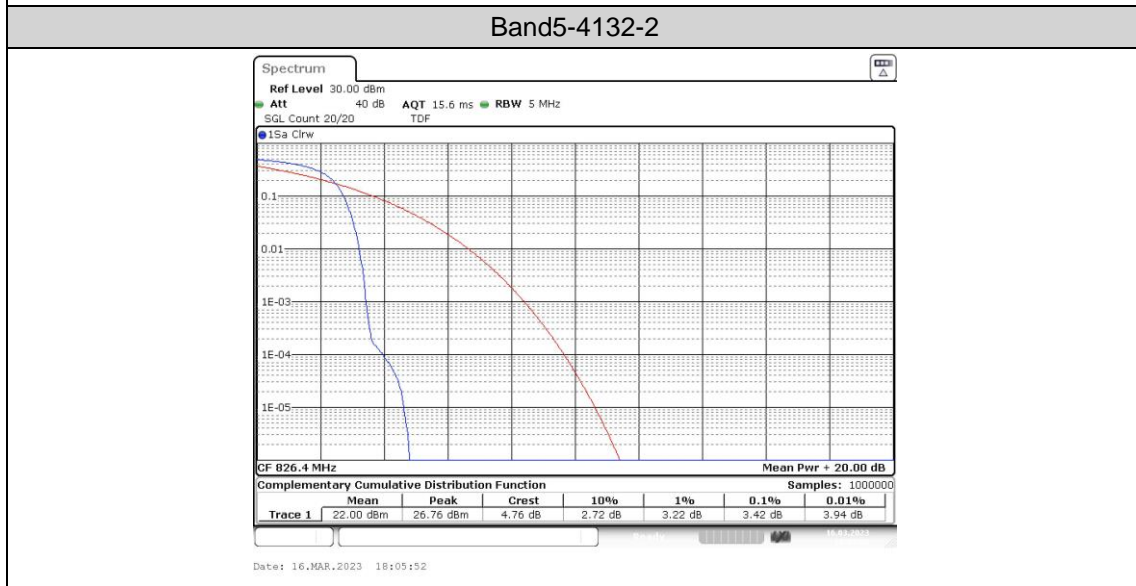
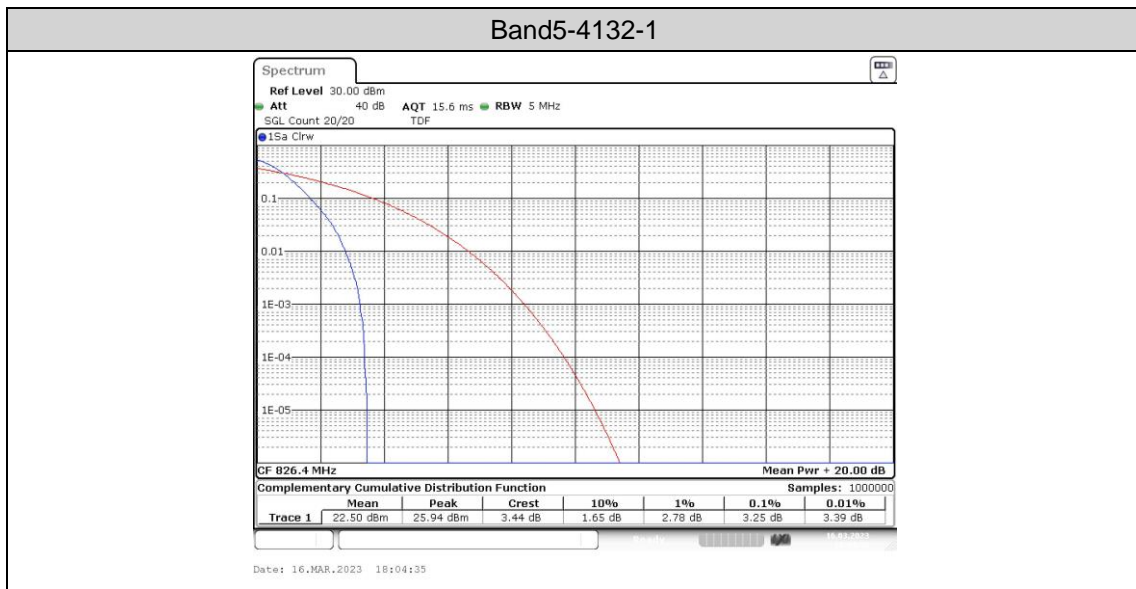
Test Graphs

WCDMA

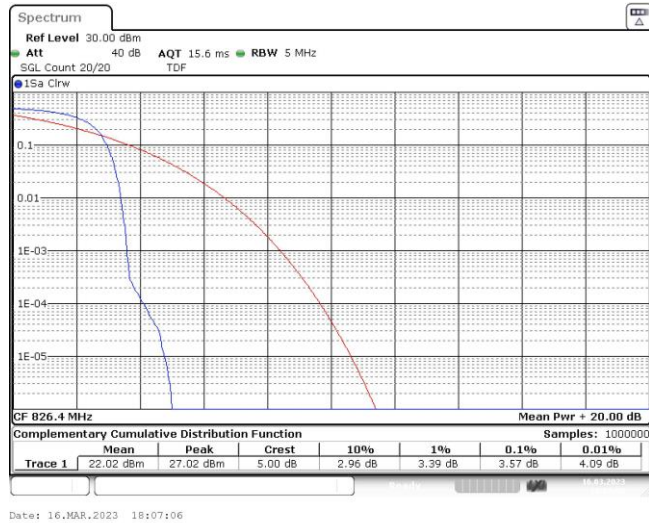




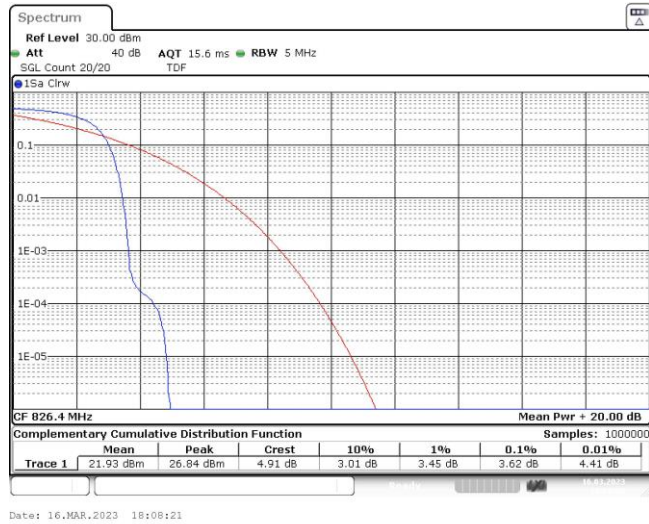
HSDPA



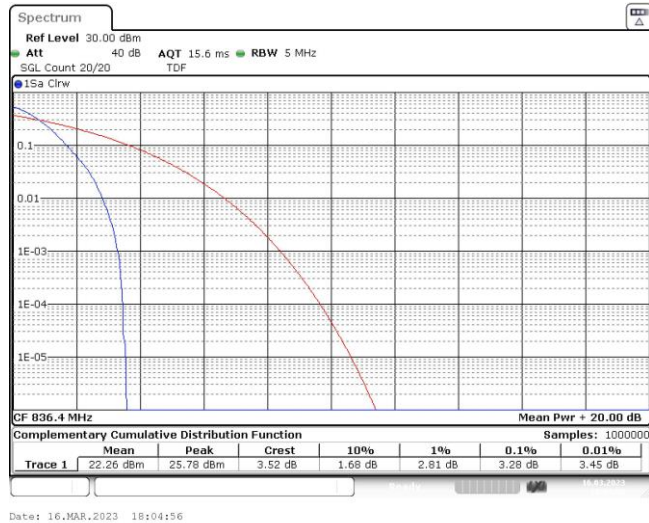
Band5-4132-3



Band5-4132-4



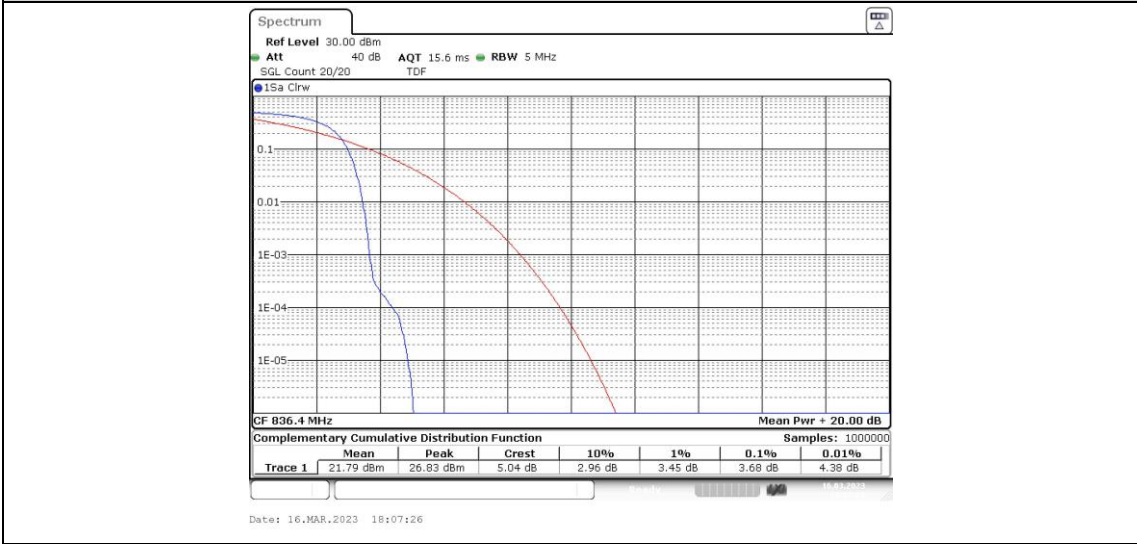
Band5-4182-1



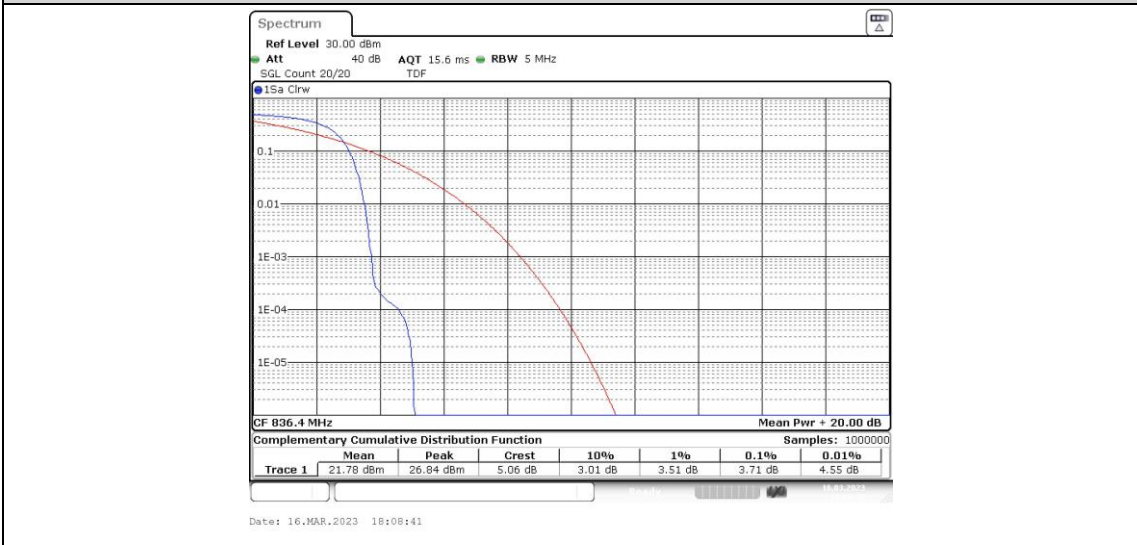
Band5-4182-2



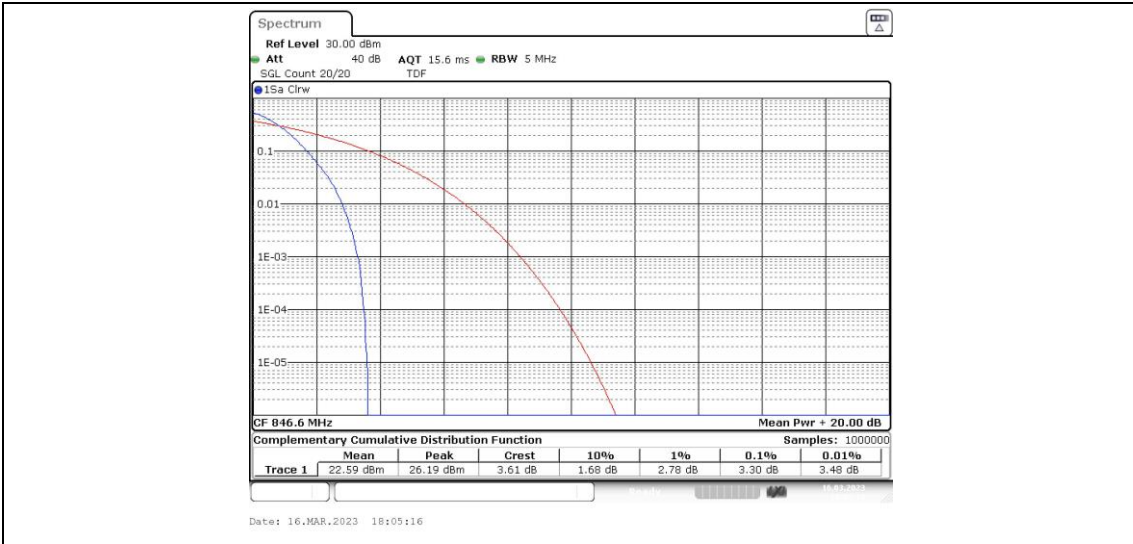
Band5-4182-3



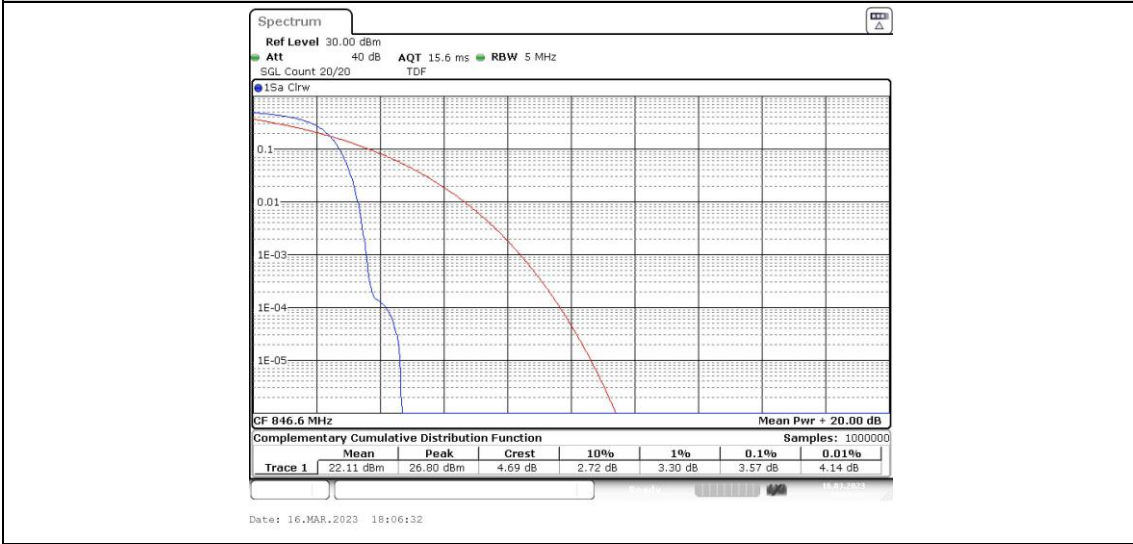
Band5-4182-4



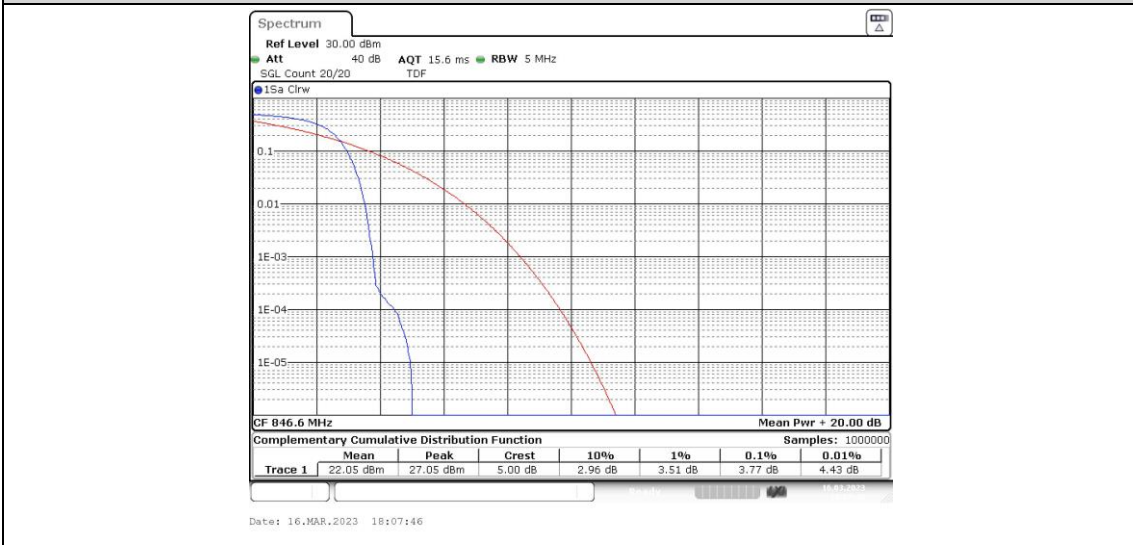
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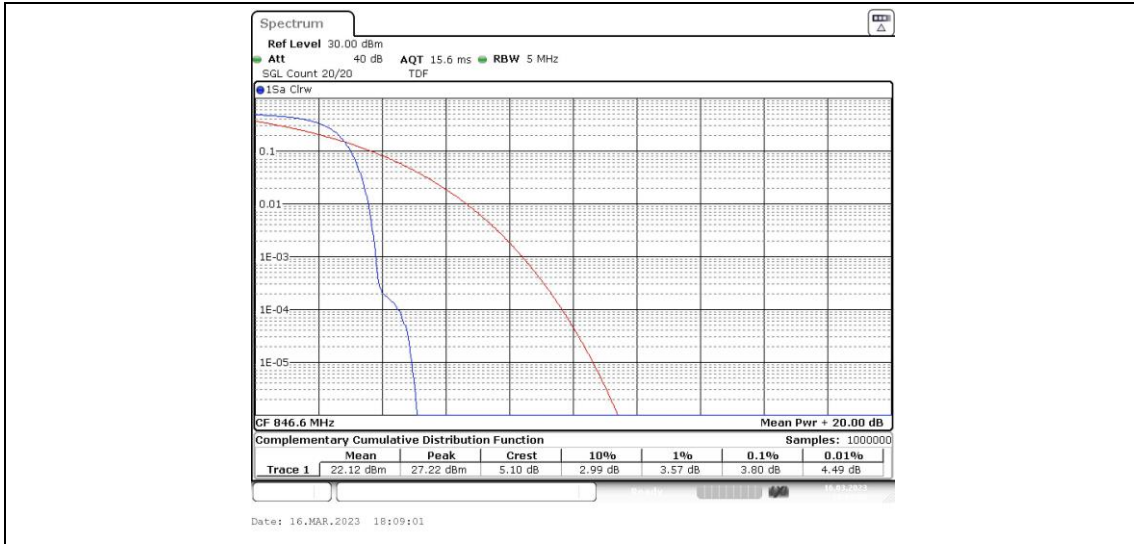
Band5-4233-2



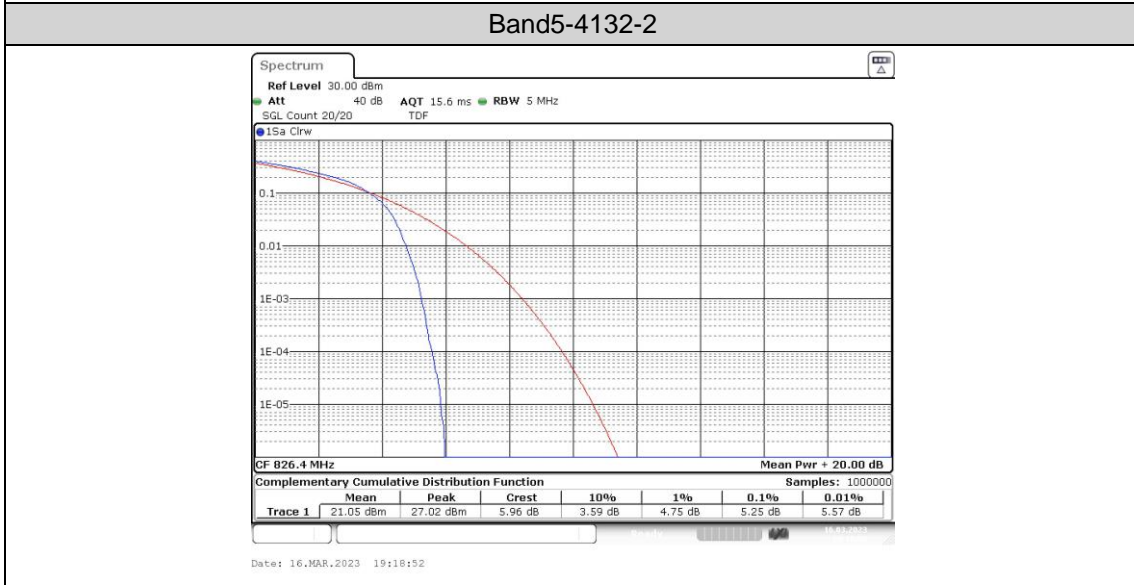
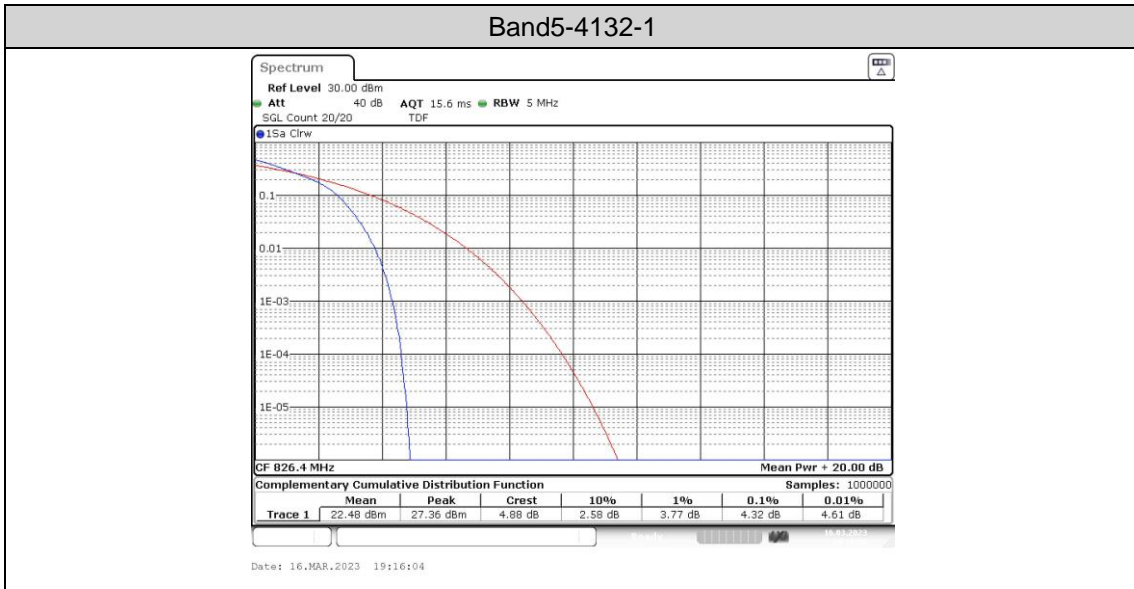
Band5-4233-3



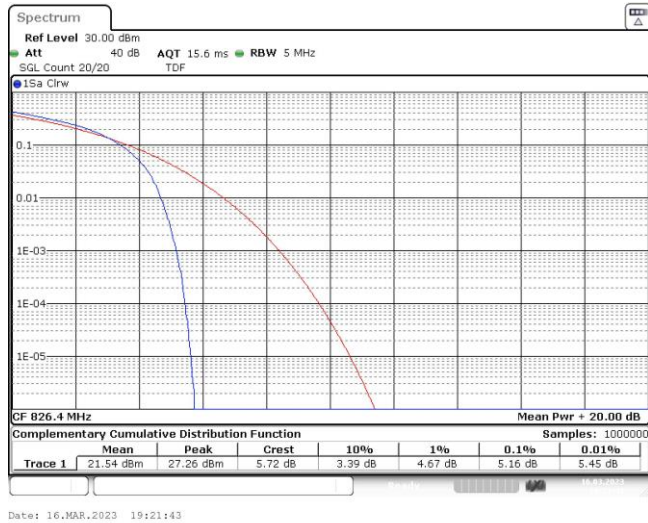
Band5-4233-4



HSUPA

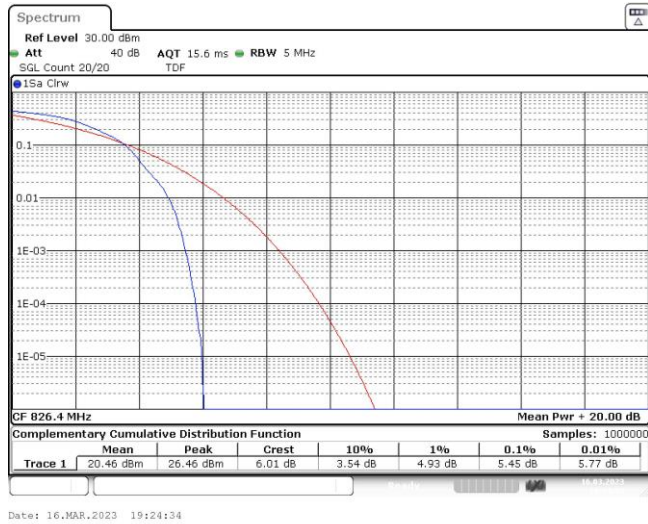


Band5-4132-3



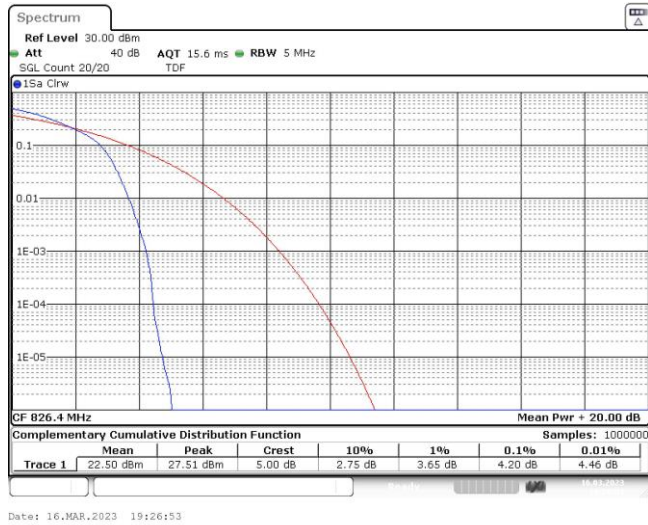
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Band5-4132-4



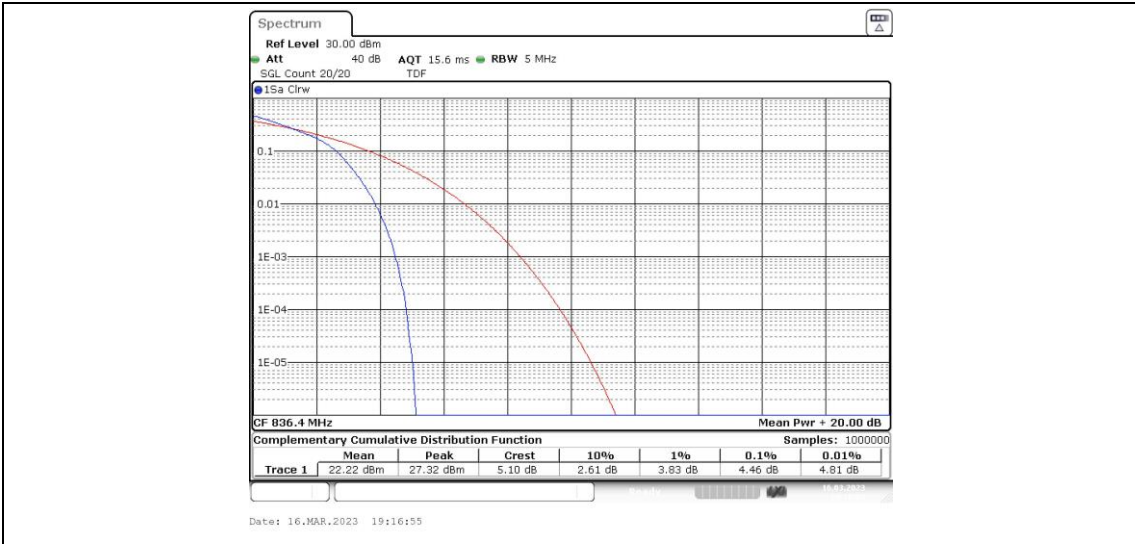
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Band5-4132-5

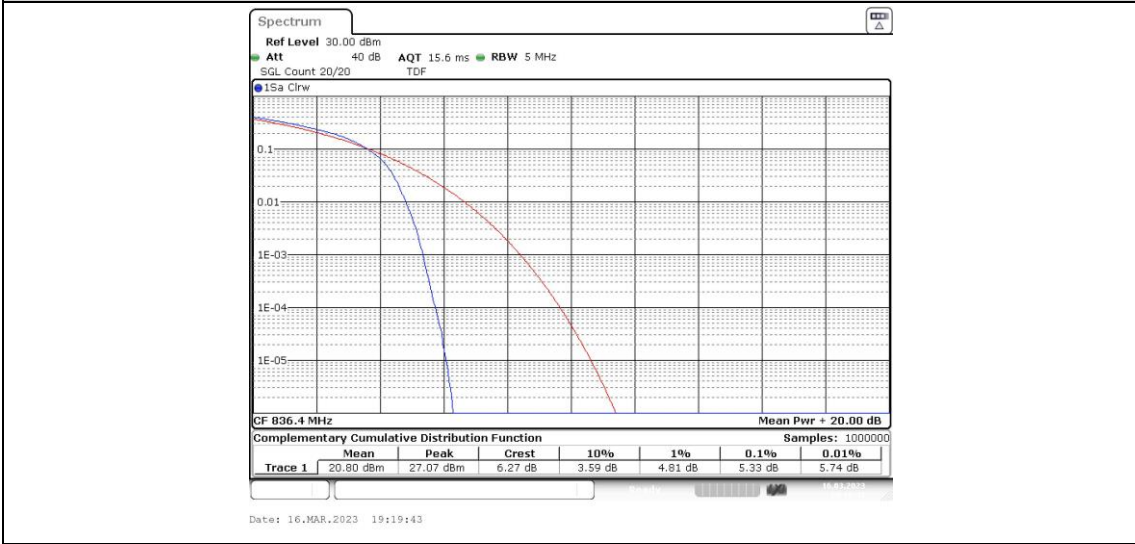


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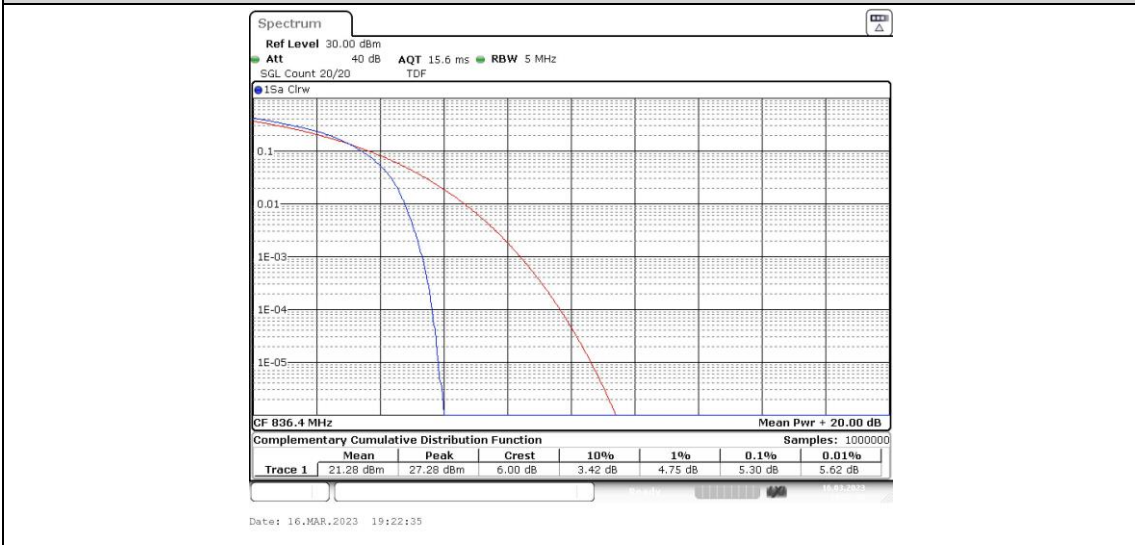
Band5-4182-1



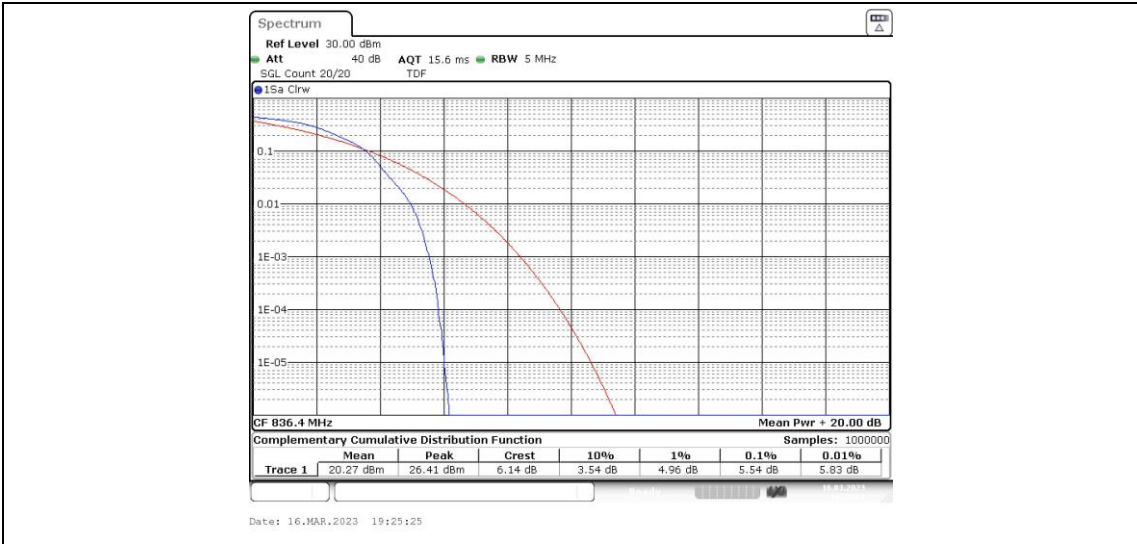
Band5-4182-2



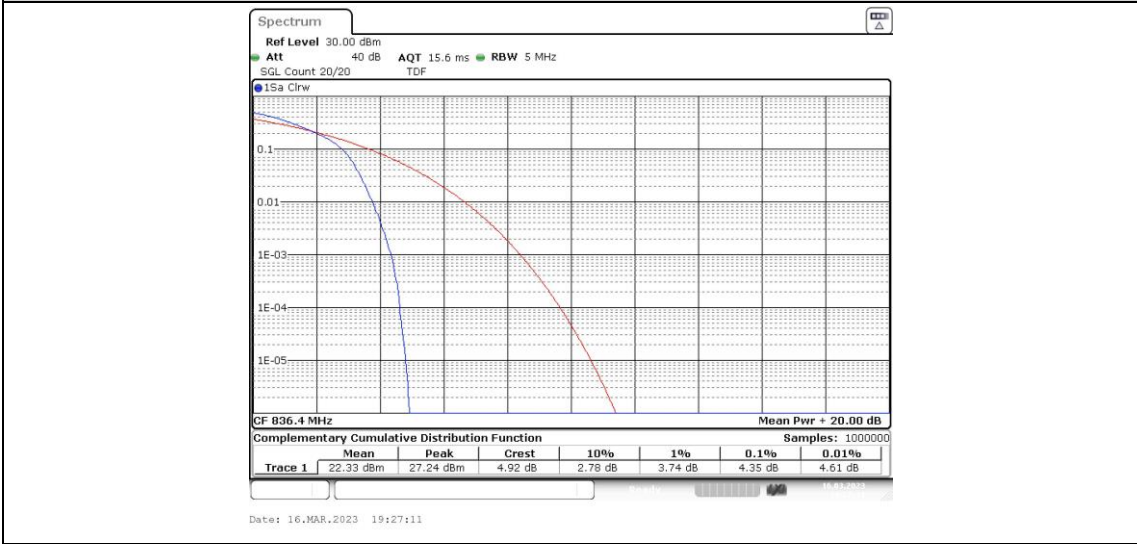
Band5-4182-3



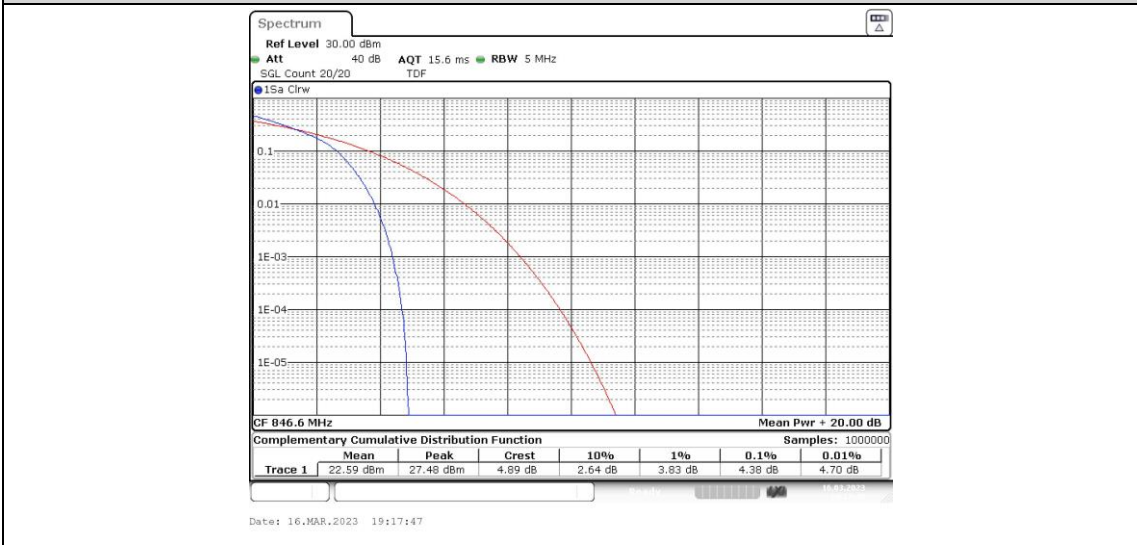
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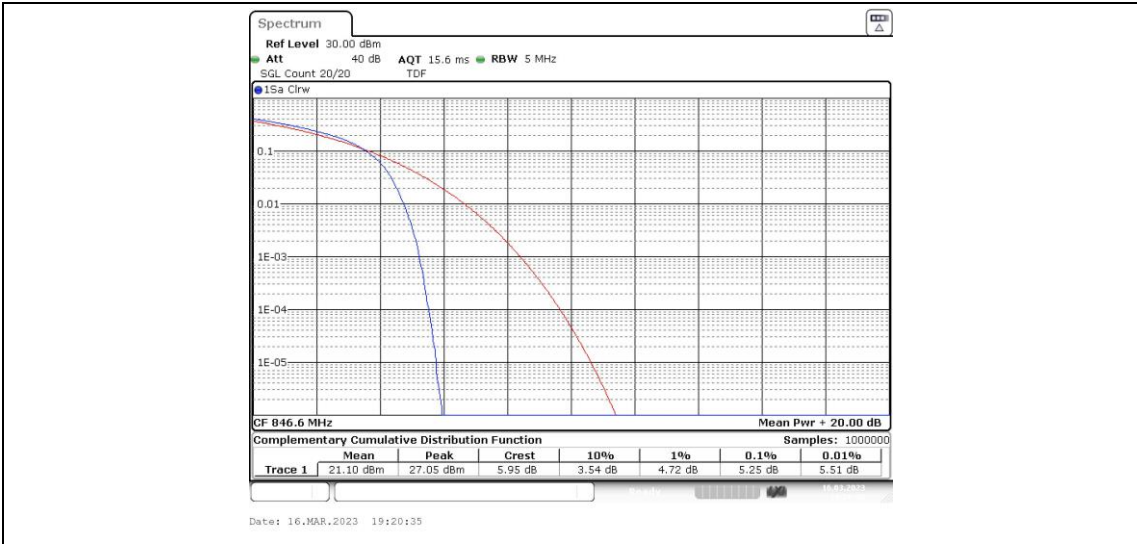
Band5-4182-5



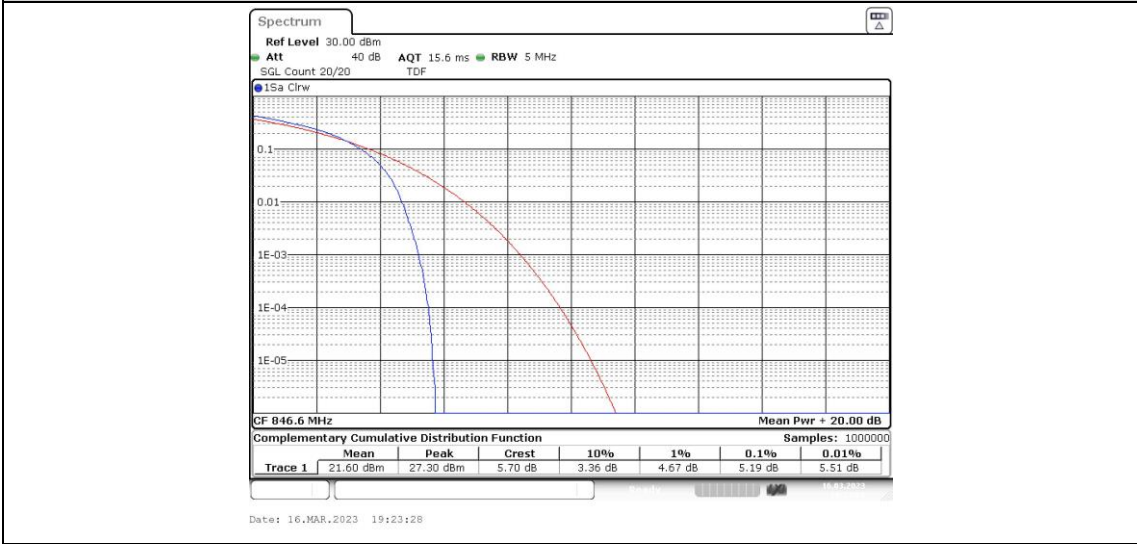
Band5-4233-1



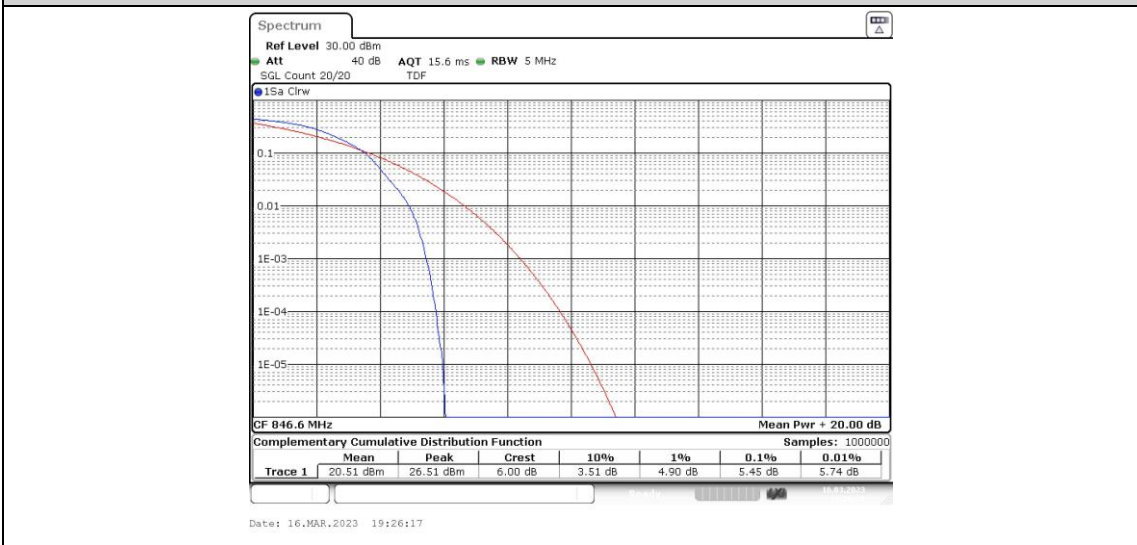
Band5-4233-2



Band5-4233-3



Band5-4233-4



Band5-4233-5



AppendixC:26dB Bandwidth andOccupied Bandwidth

Test Result

WCDMA

Band	Channel	Occupied Bandwidth (kHz)	26dB Bandwidth (kHz)	Limit(kHz)	Verdict
Band5	4132	4.146	4.74	---	PASS
Band5	4182	4.146	4.72	---	PASS
Band5	4233	4.136	4.74	---	PASS

HSDPA

Band	Channel	SubTest	Occupied Bandwidth (kHz)	26dB Bandwidth (kHz)	Limit(kHz)	Verdict
Band5	4132	1	4.156	4.74	---	PASS
Band5	4132	2	4.156	4.74	---	PASS
Band5	4132	3	4.156	4.75	---	PASS
Band5	4132	4	4.156	4.75	---	PASS
Band5	4182	1	4.156	4.74	---	PASS
Band5	4182	2	4.156	4.73	---	PASS
Band5	4182	3	4.166	4.76	---	PASS
Band5	4182	4	4.156	4.74	---	PASS
Band5	4233	1	4.156	4.74	---	PASS
Band5	4233	2	4.146	4.75	---	PASS
Band5	4233	3	4.156	4.74	---	PASS
Band5	4233	4	4.146	4.74	---	PASS

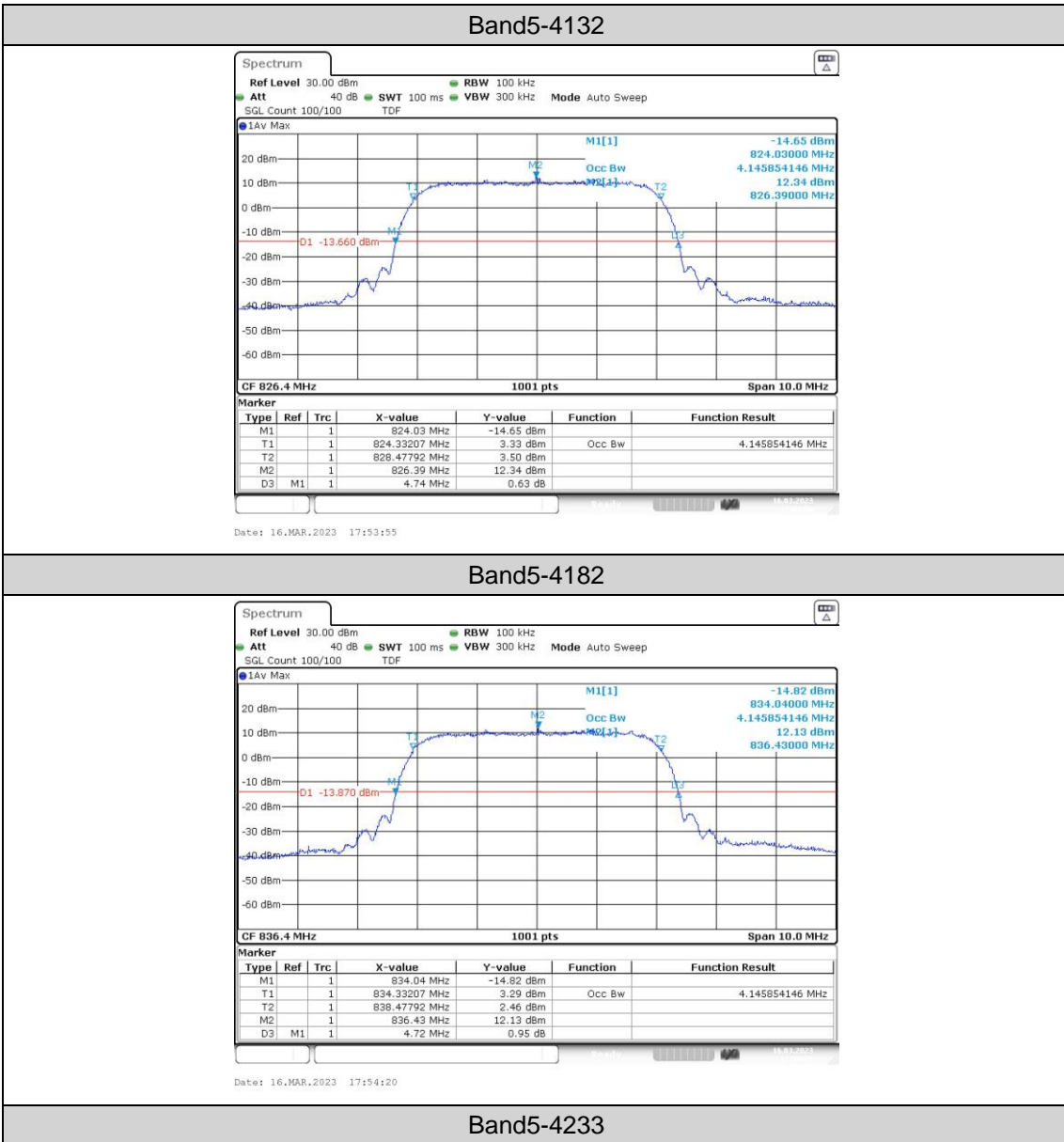
HSUPA

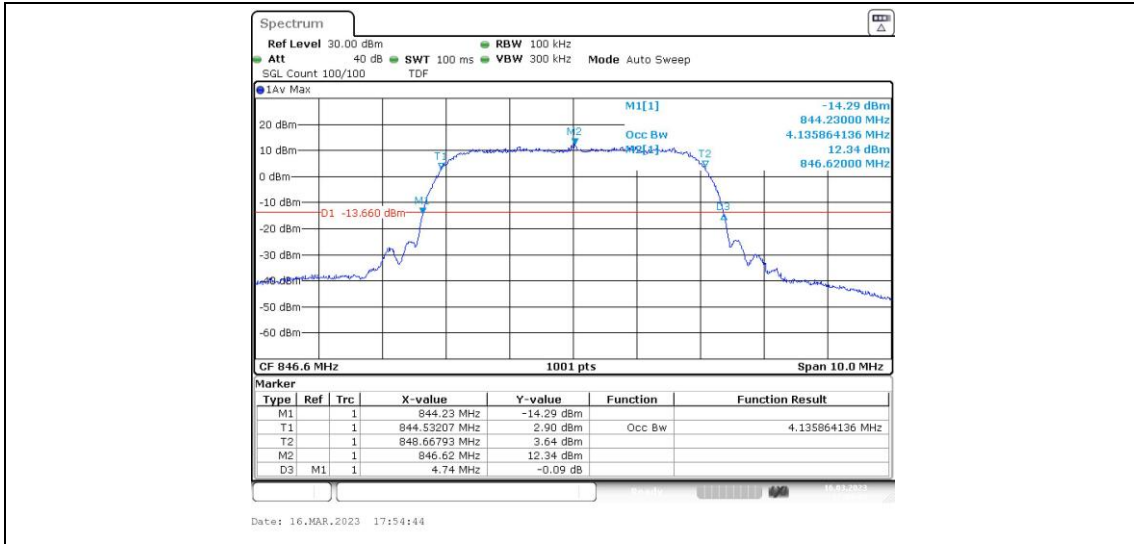
Band	Channel	SubTest	Occupied Bandwidth (kHz)	26dB Bandwidth (kHz)	Limit(kHz)	Verdict
Band5	4132	1	4.156	4.74	---	PASS
Band5	4132	2	4.166	4.77	---	PASS
Band5	4132	3	4.166	4.76	---	PASS
Band5	4132	4	4.166	4.75	---	PASS
Band5	4132	5	4.146	4.75	---	PASS
Band5	4182	1	4.146	4.74	---	PASS
Band5	4182	2	4.166	4.75	---	PASS
Band5	4182	3	4.166	4.76	---	PASS
Band5	4182	4	4.146	4.73	---	PASS

Band5	4182	5	4.156	4.74	---	PASS
Band5	4233	1	4.156	4.75	---	PASS
Band5	4233	2	4.156	4.74	---	PASS
Band5	4233	3	4.156	4.77	---	PASS
Band5	4233	4	4.156	4.73	---	PASS
Band5	4233	5	4.146	4.75	---	PASS

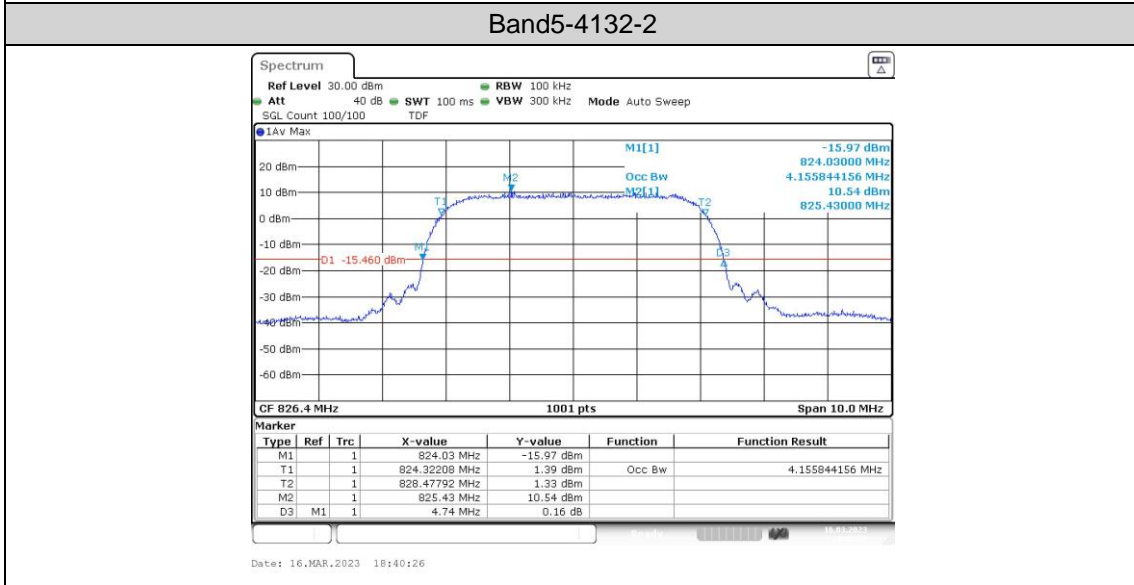
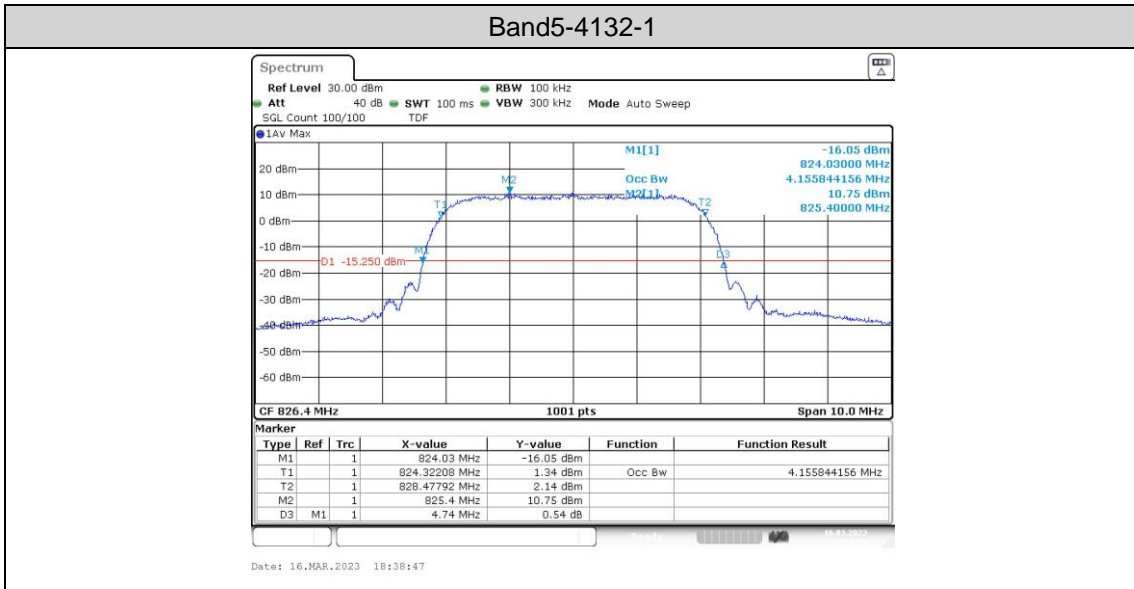
Test Graphs

WCDMA

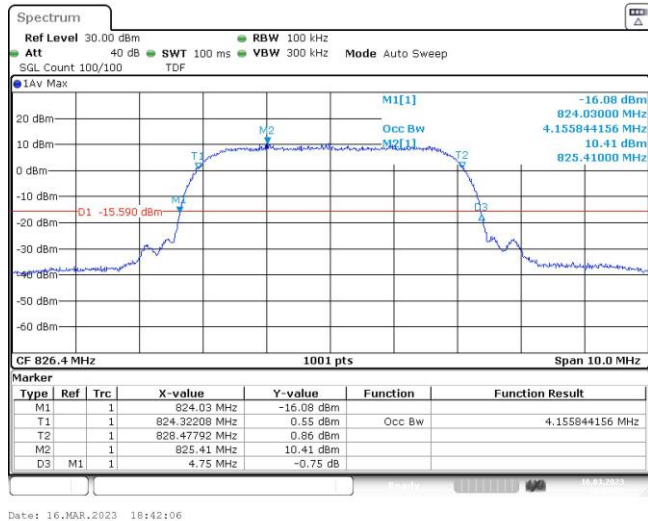




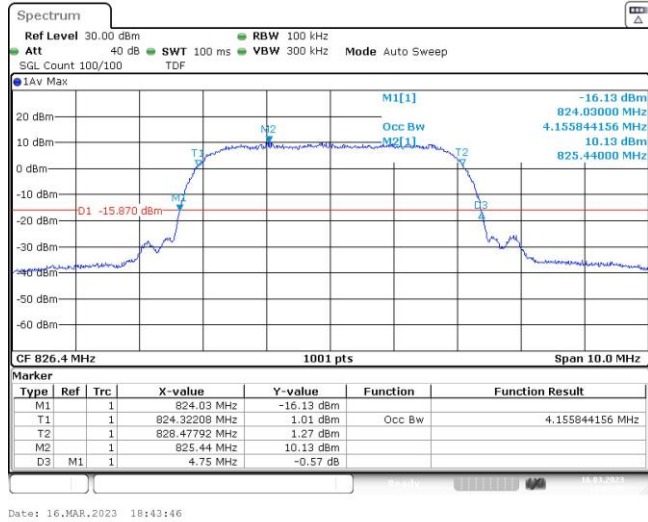
HSDPA



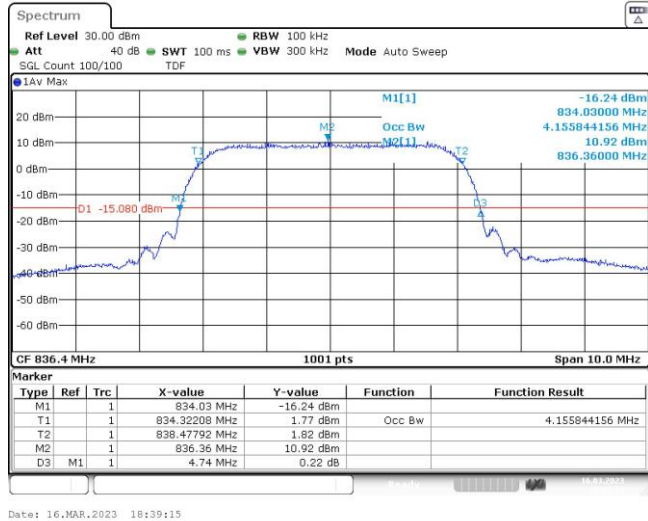
Band5-4132-3



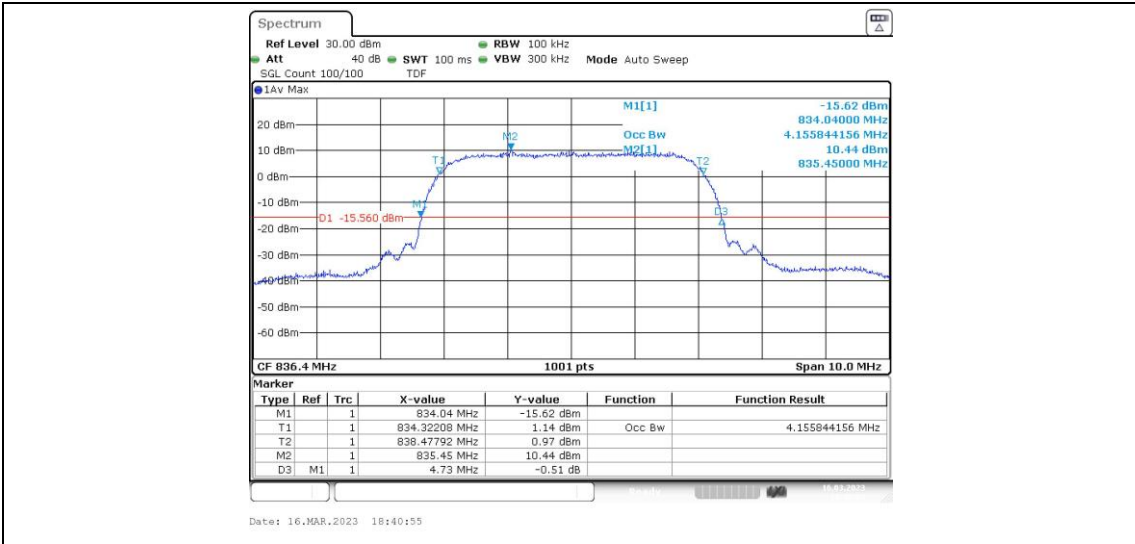
Band5-4132-4



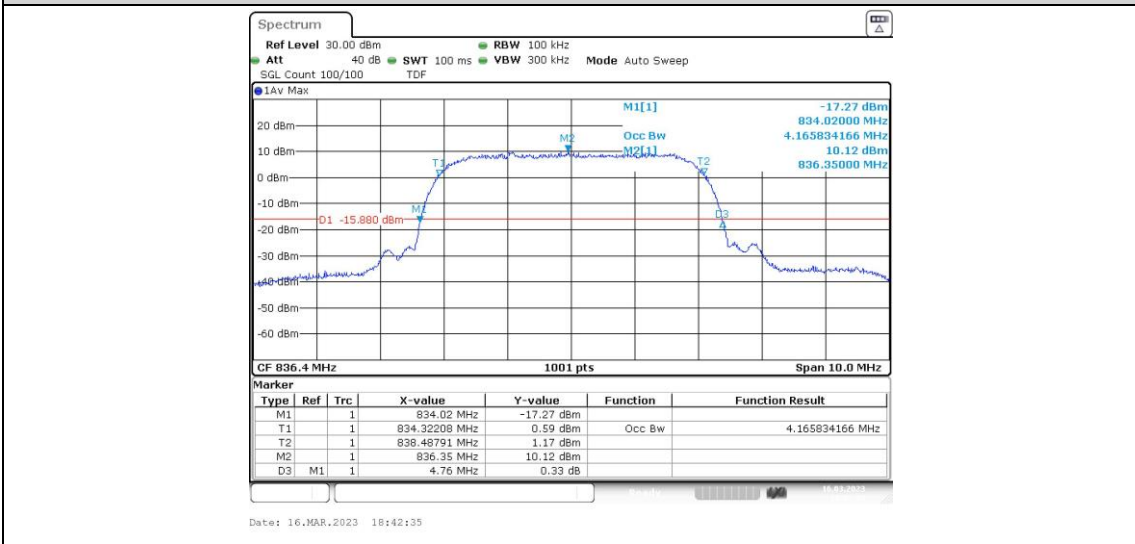
Band5-4182-1



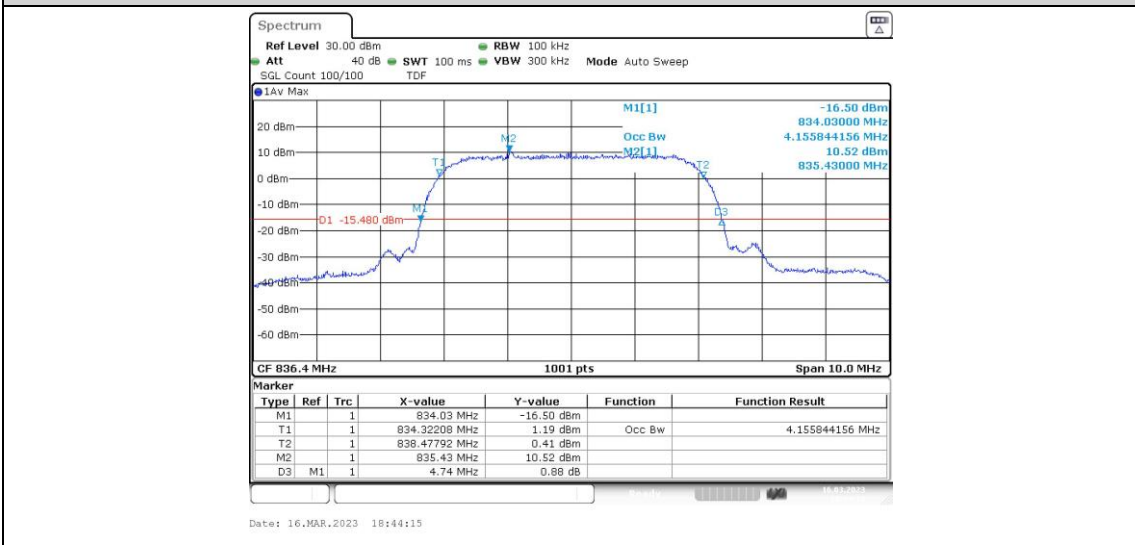
Band5-4182-2



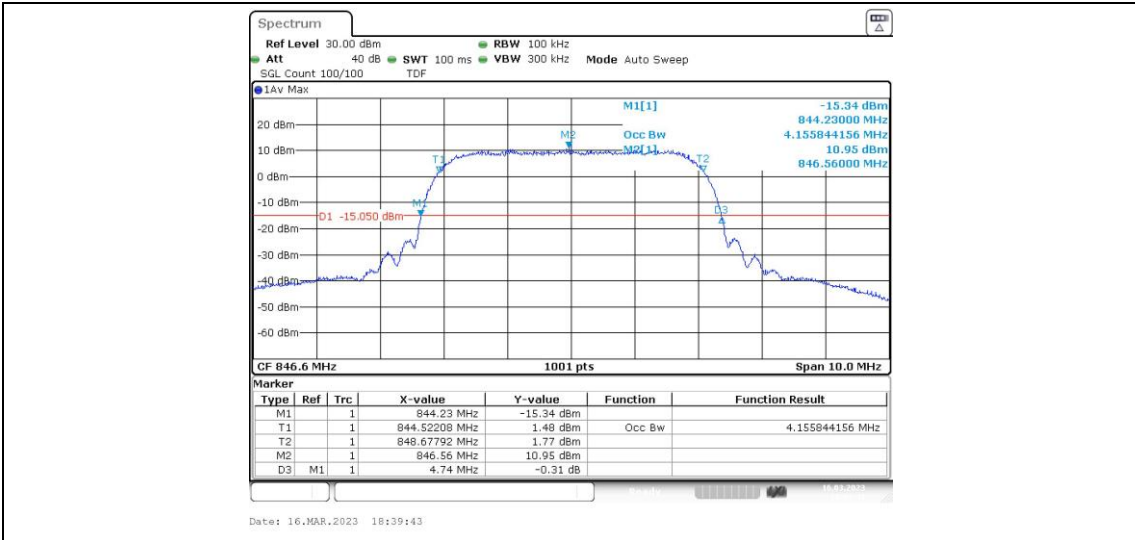
Band5-4182-3



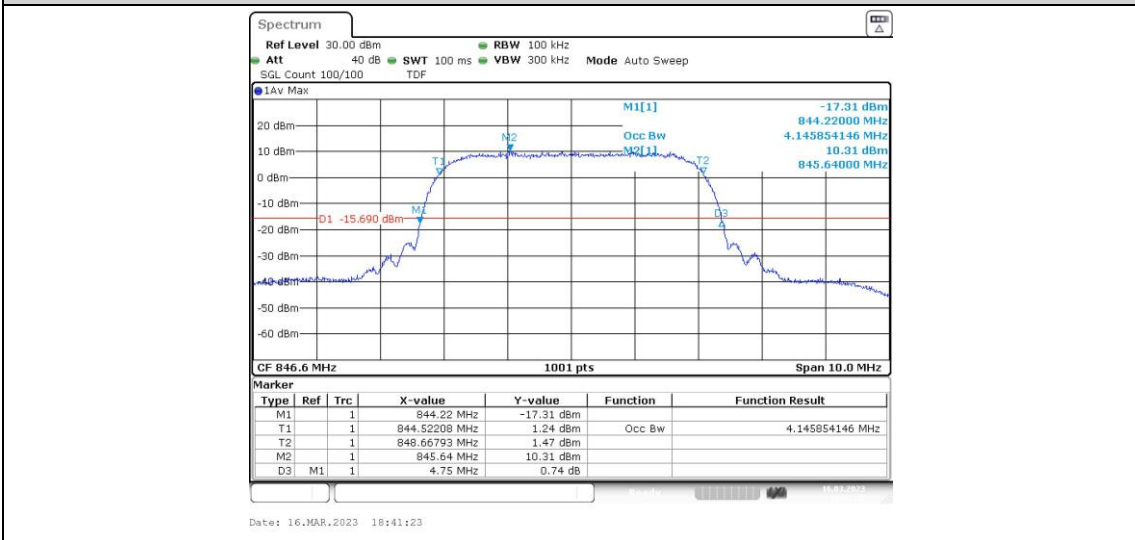
Band5-4182-4



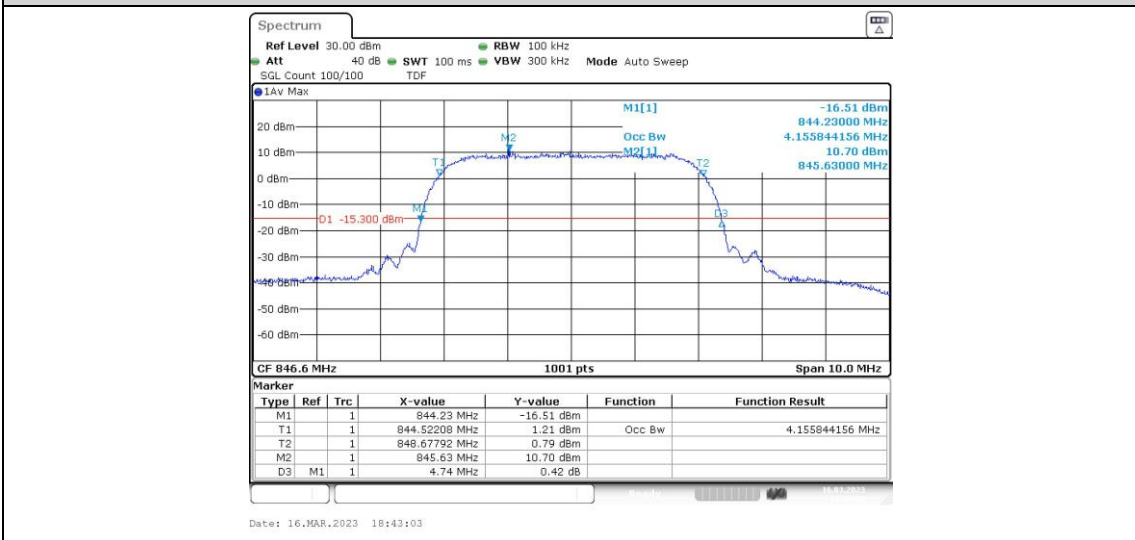
Band5-4233-1



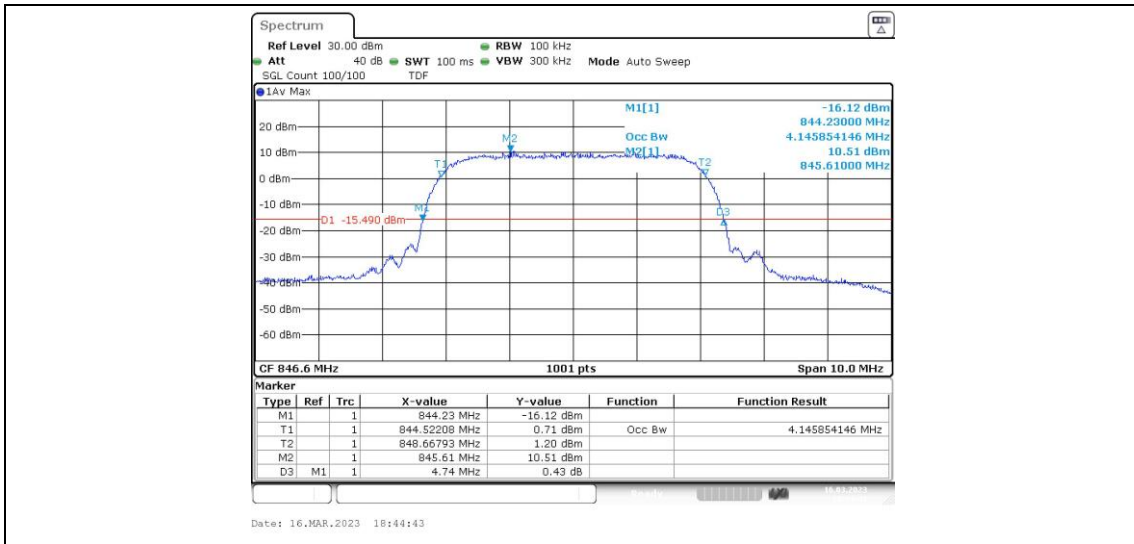
Band5-4233-2



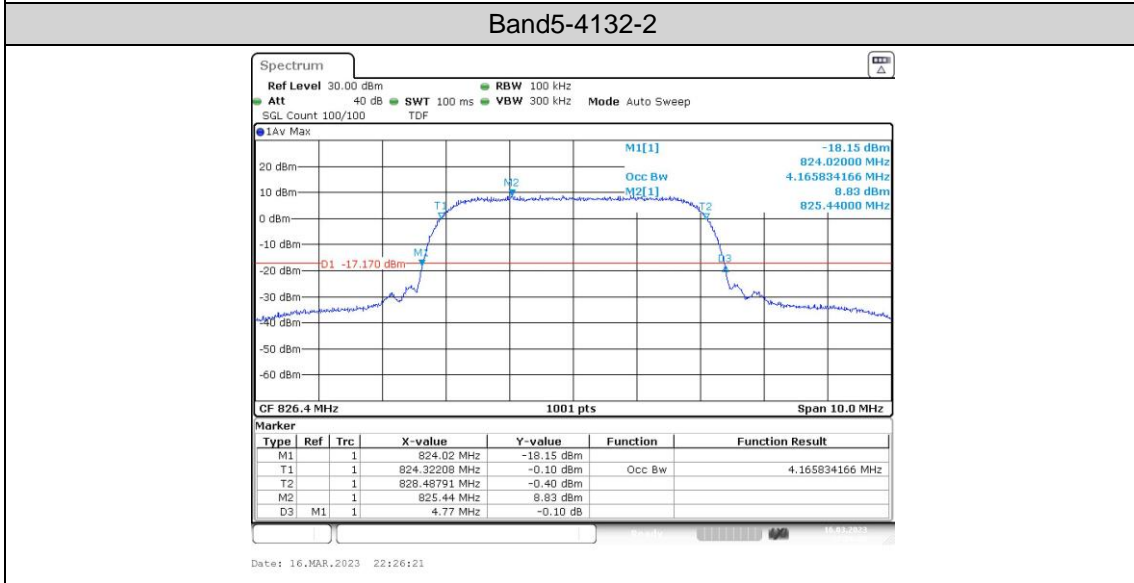
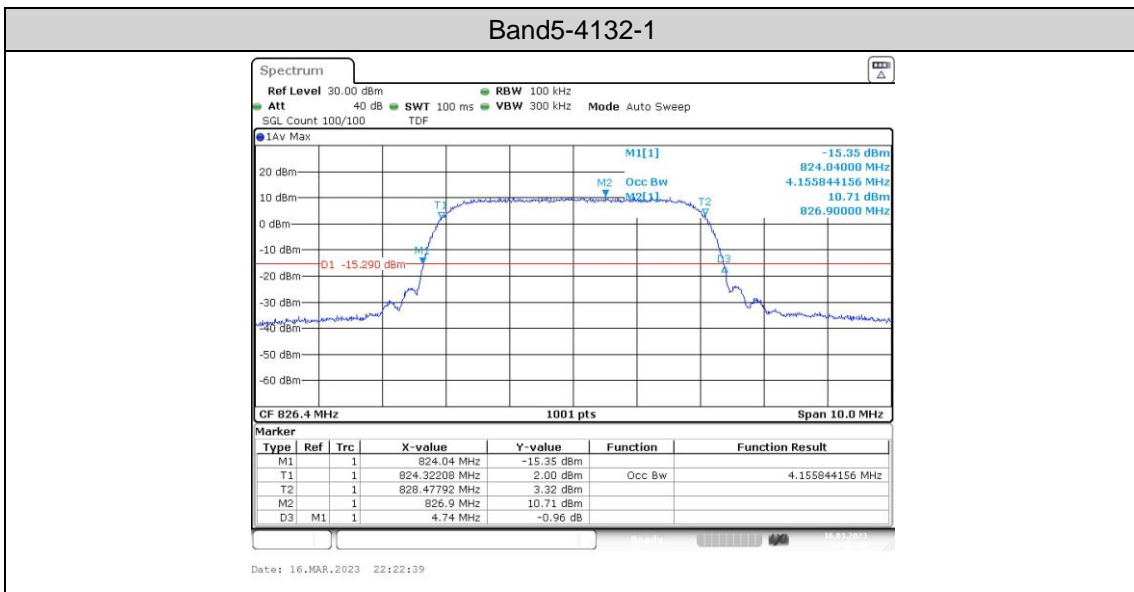
Band5-4233-3



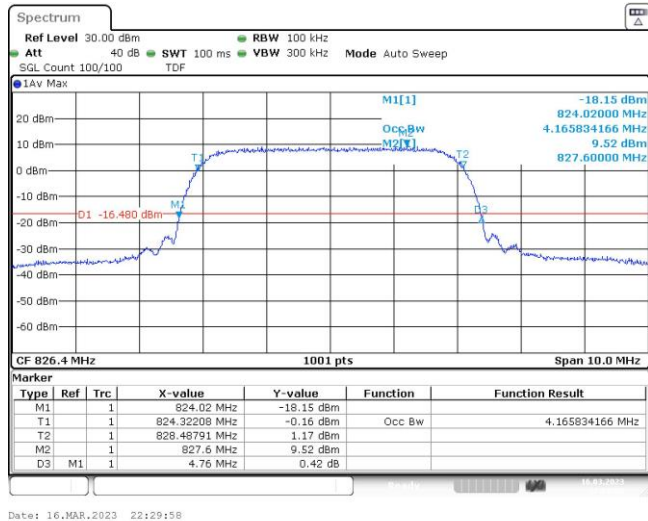
Band5-4233-4



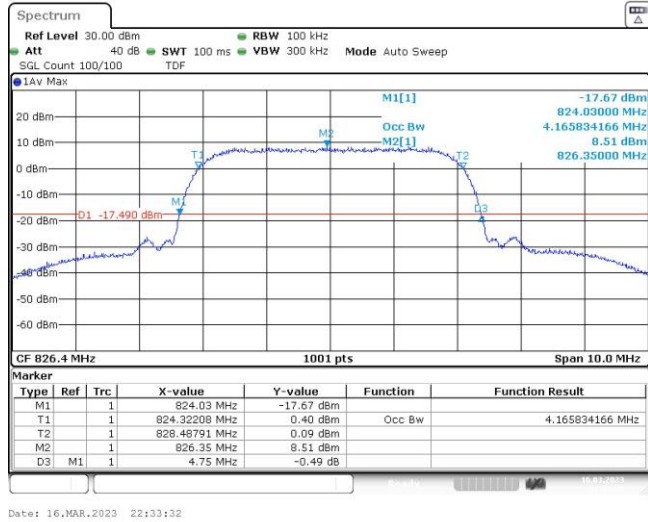
HSUPA



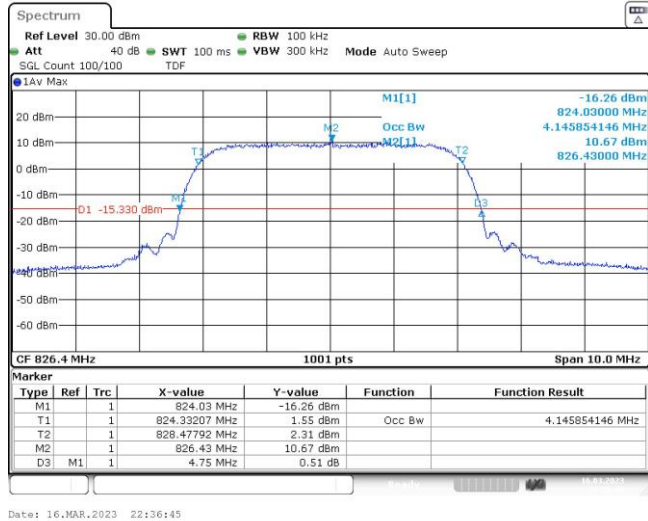
Band5-4132-3



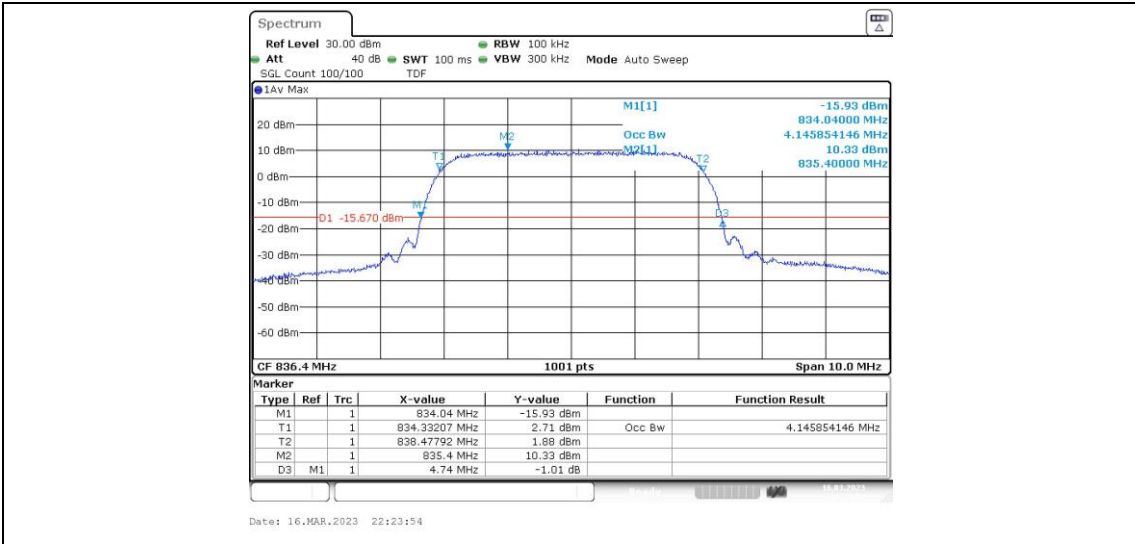
Band5-4132-4



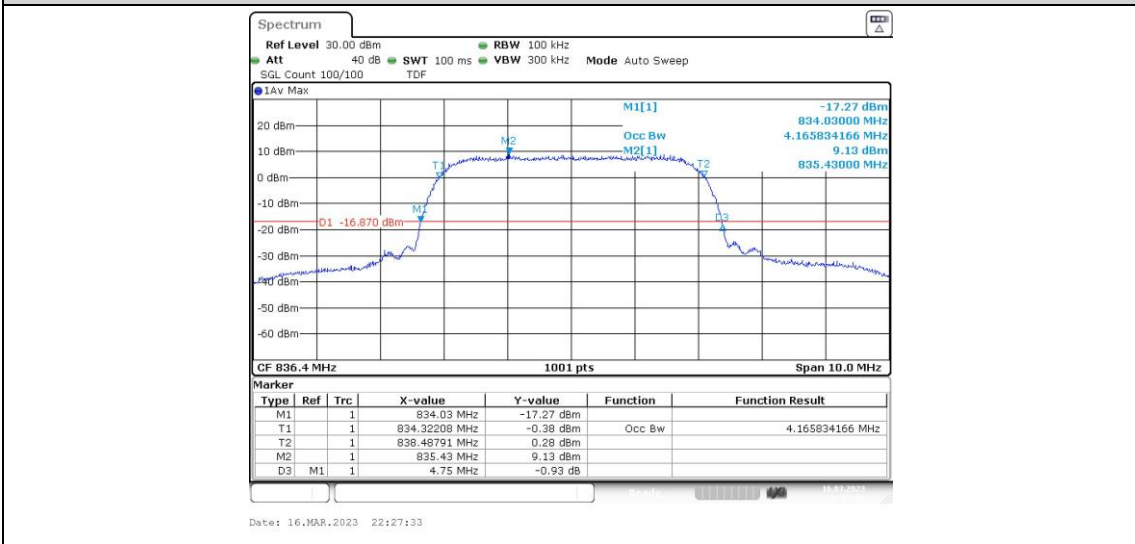
Band5-4132-5



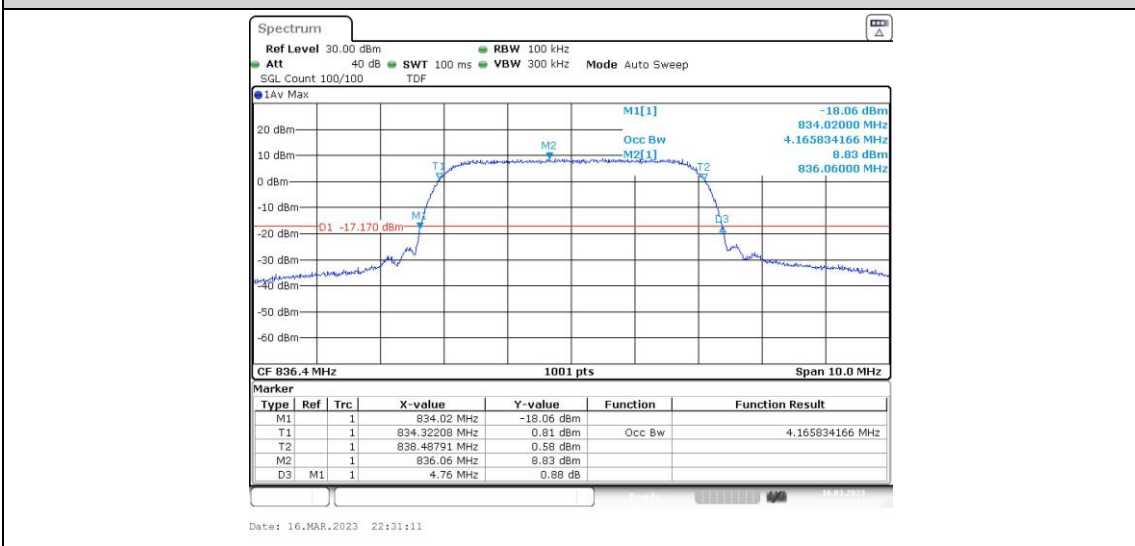
Band5-4182-1



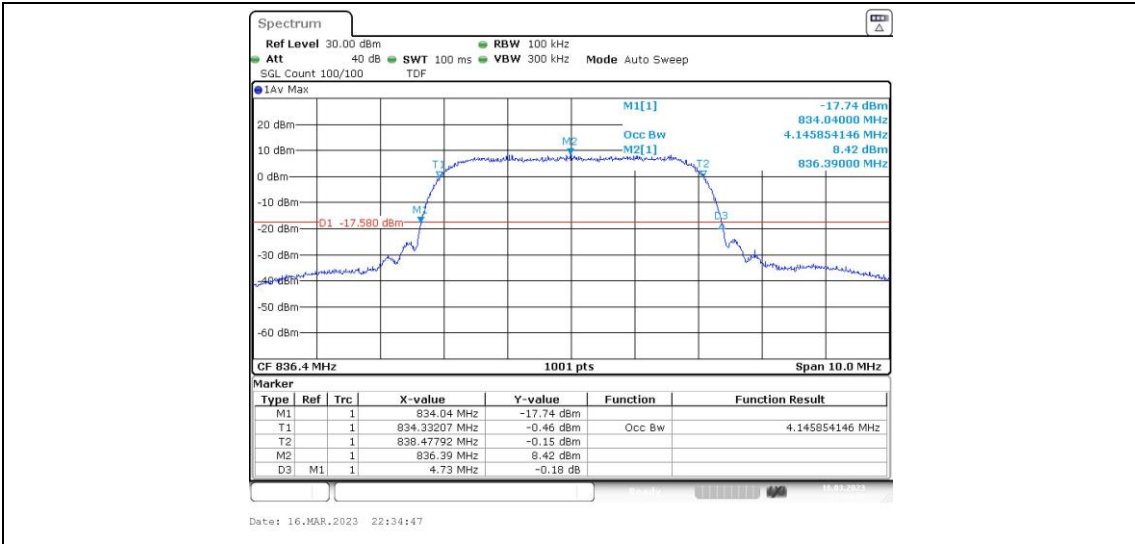
Band5-4182-2



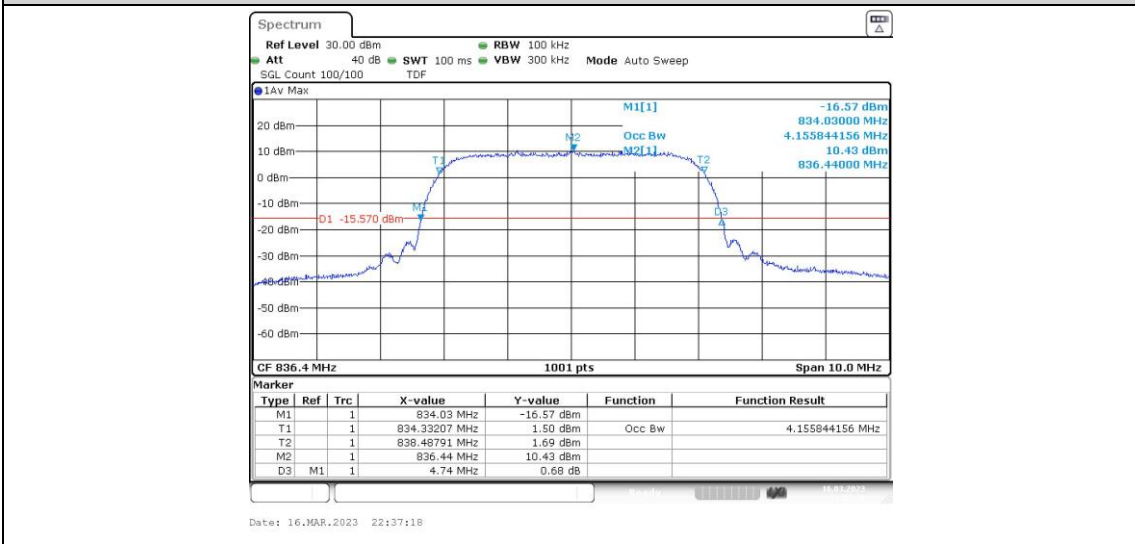
Band5-4182-3



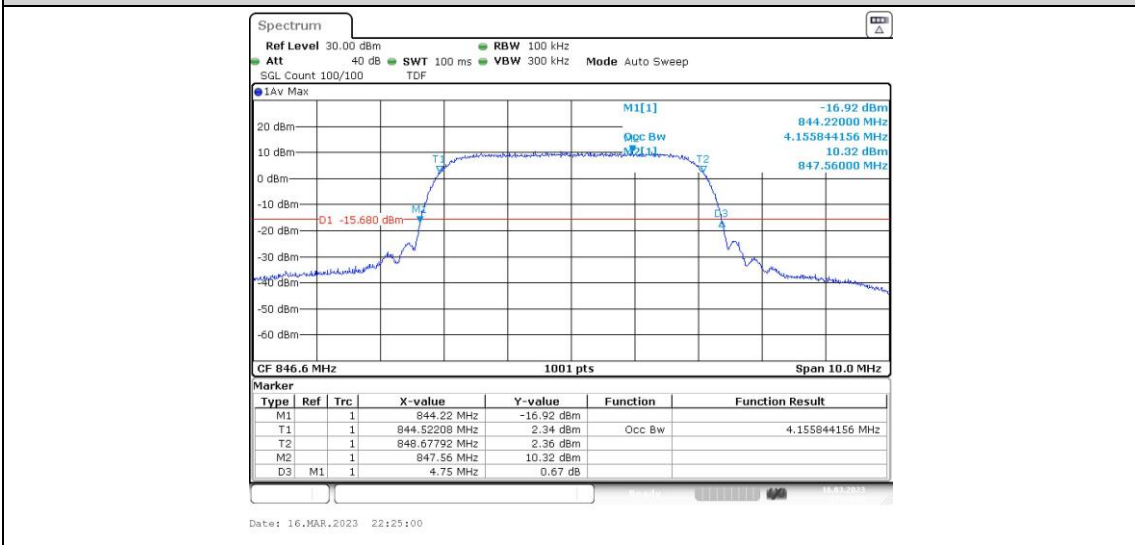
Band5-4182-4



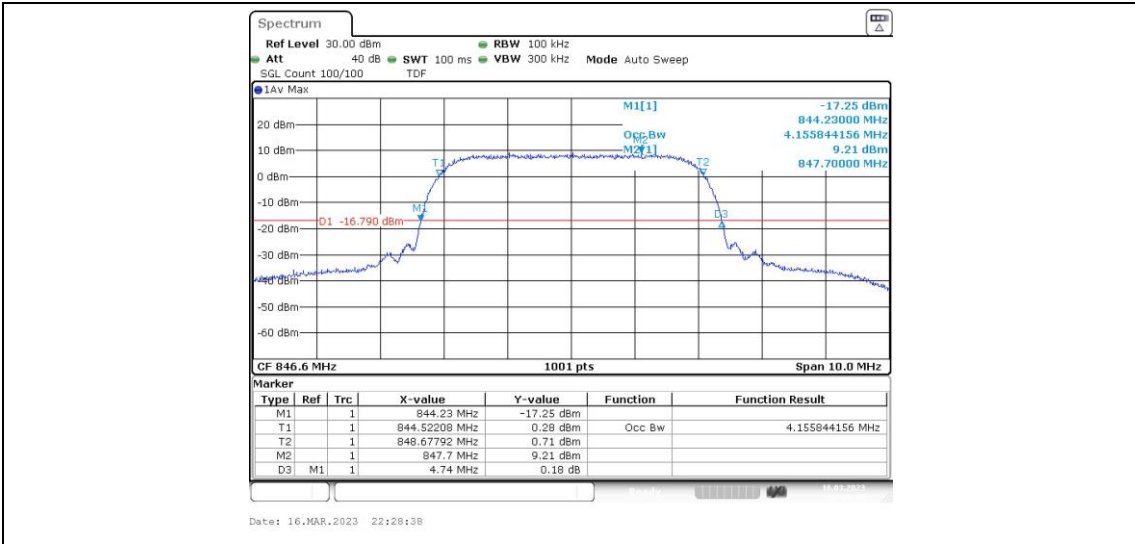
Band5-4182-5



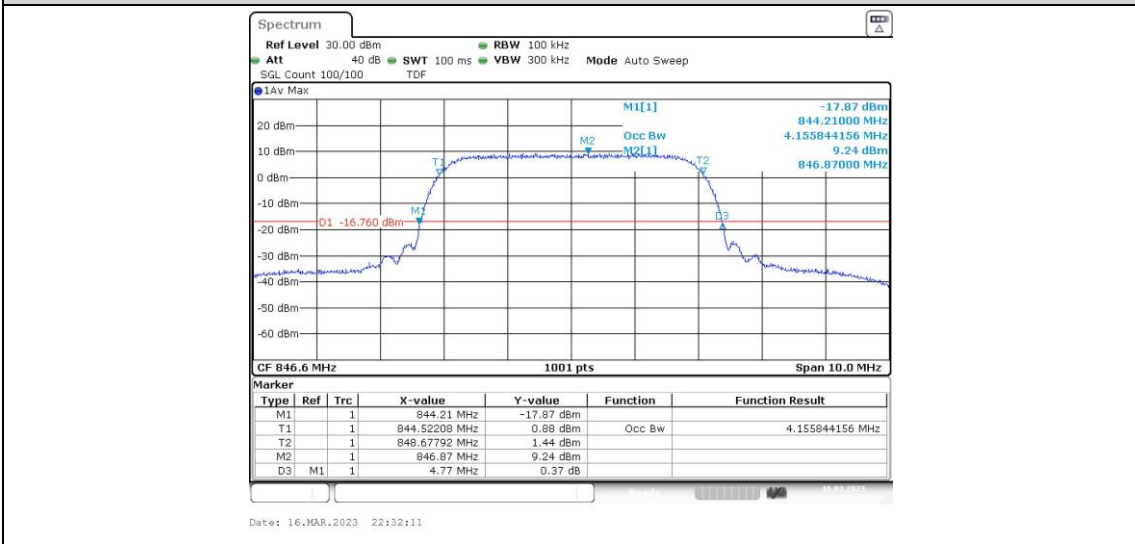
Band5-4233-1



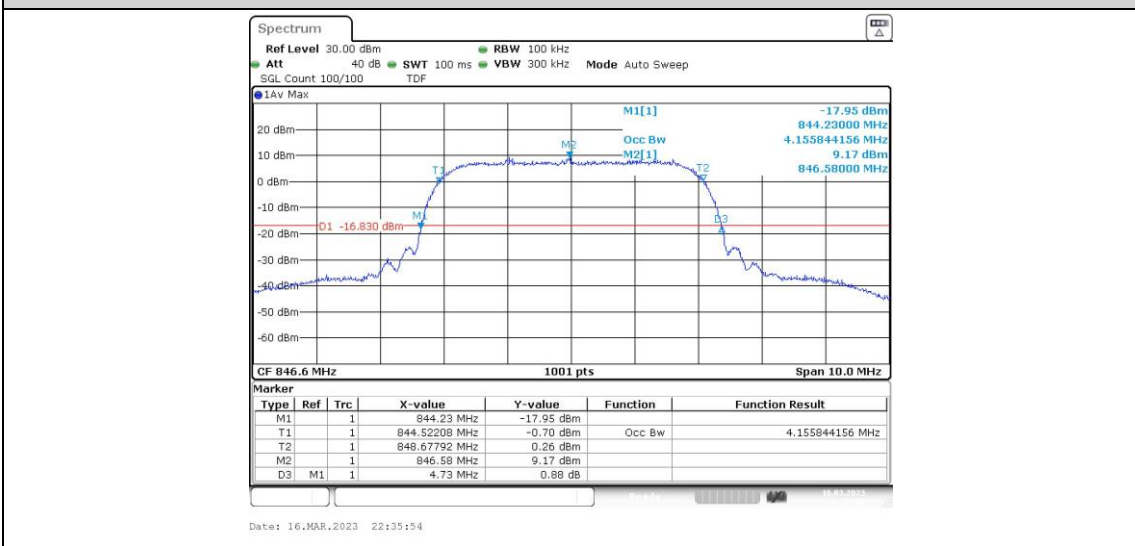
Band5-4233-2



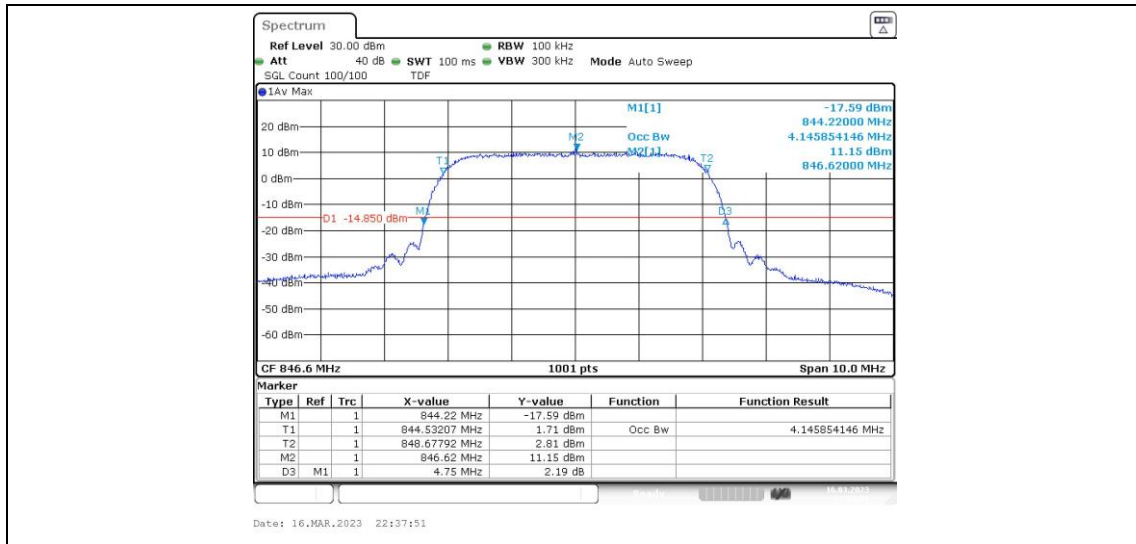
Band5-4233-3



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	-24.83	-13	PASS
Band5	4233	849.00	-24.96	-13	PASS

HSDPA

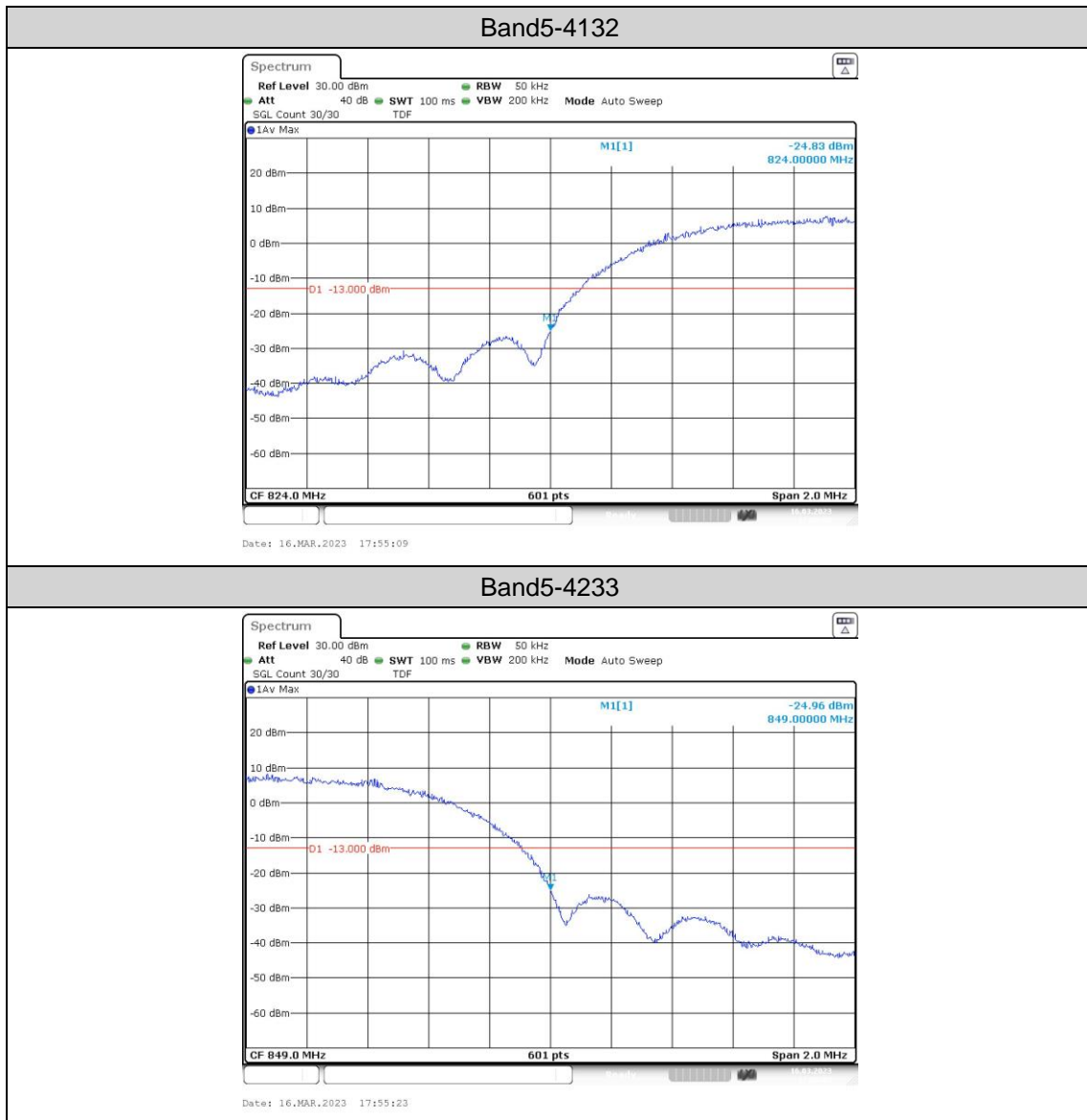
Band	Channel	SubTest	Frequency (MHz)	Result (dBm)	Limit(dBm)	Verdict
Band5	4132	1	823.87	-26.42	-13	PASS
Band5	4132	2	824.00	-26.04	-13	PASS
Band5	4132	3	824.00	-25.28	-13	PASS
Band5	4132	4	824.00	-25.56	-13	PASS
Band5	4233	1	849.01	-26.36	-13	PASS
Band5	4233	2	849.00	-24.63	-13	PASS
Band5	4233	3	849.00	-24.07	-13	PASS
Band5	4233	4	849.00	-24.69	-13	PASS

HSUPA

Band	Channel	SubTest	Frequency (MHz)	Result (dBm)	Limit(dBm)	Verdict
Band5	4132	1	823.83	-26.63	-13	PASS
Band5	4132	2	824.00	-26.42	-13	PASS
Band5	4132	3	824.00	-27.09	-13	PASS
Band5	4132	4	824.00	-25.50	-13	PASS
Band5	4132	5	824.00	-25.42	-13	PASS
Band5	4233	1	849.00	-25.64	-13	PASS
Band5	4233	2	849.00	-24.63	-13	PASS
Band5	4233	3	849.00	-26.38	-13	PASS
Band5	4233	4	849.01	-25.05	-13	PASS
Band5	4233	5	849.00	-24.94	-13	PASS

Test Graphs

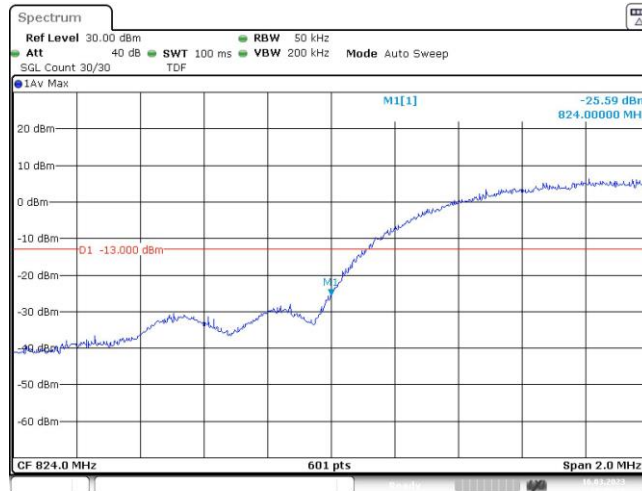
WCDMA



HSDPA

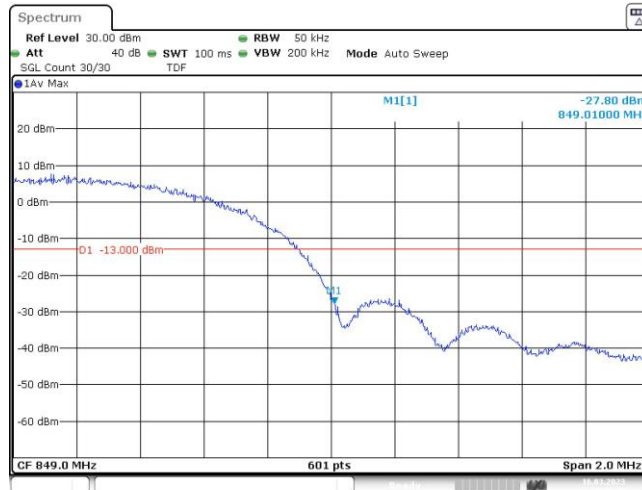


Band5-4132-4



Date: 16.MAR.2023 18:48:10

Band5-4233-1



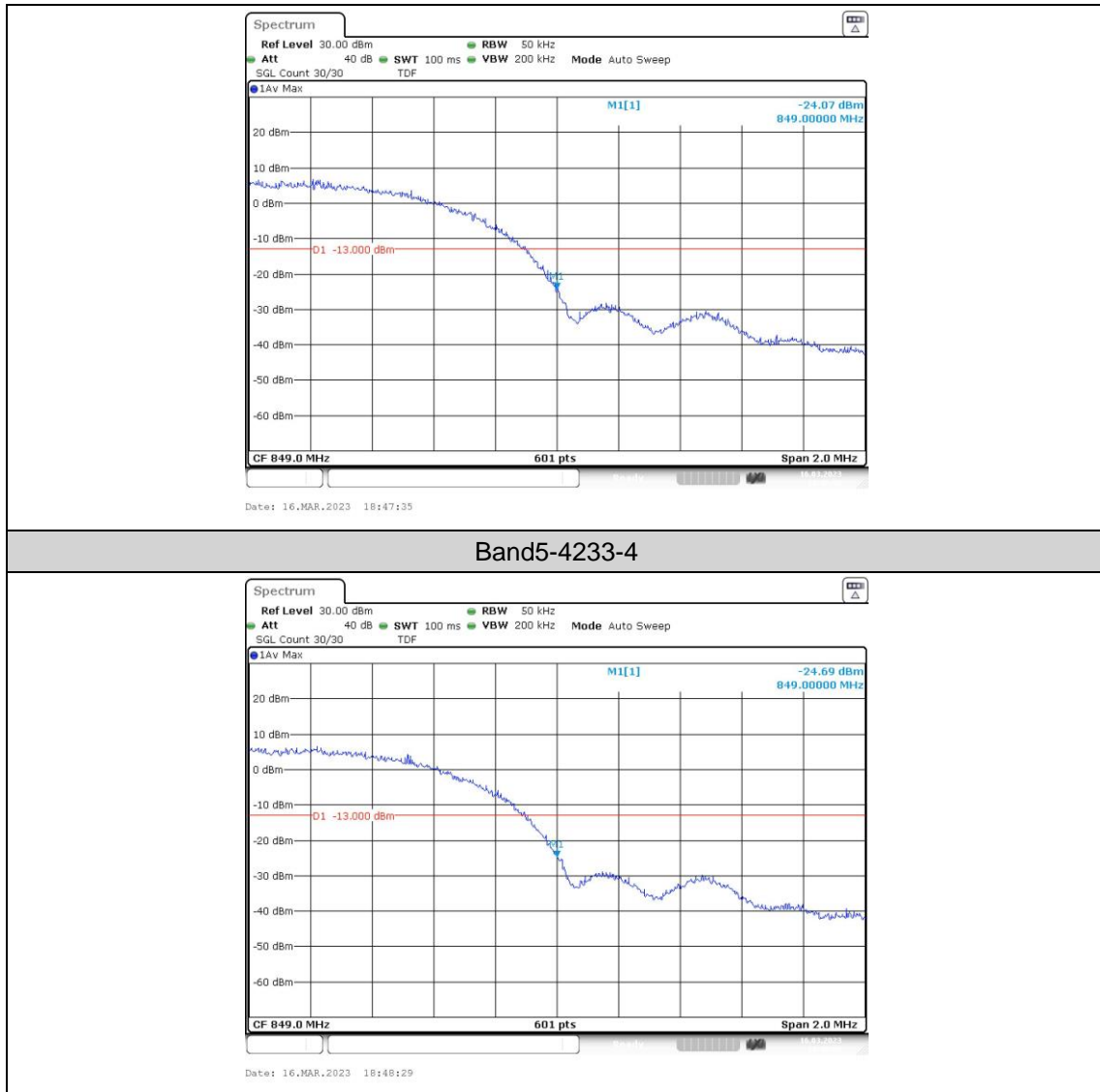
Date: 16.MAR.2023 18:45:48

Band5-4233-2

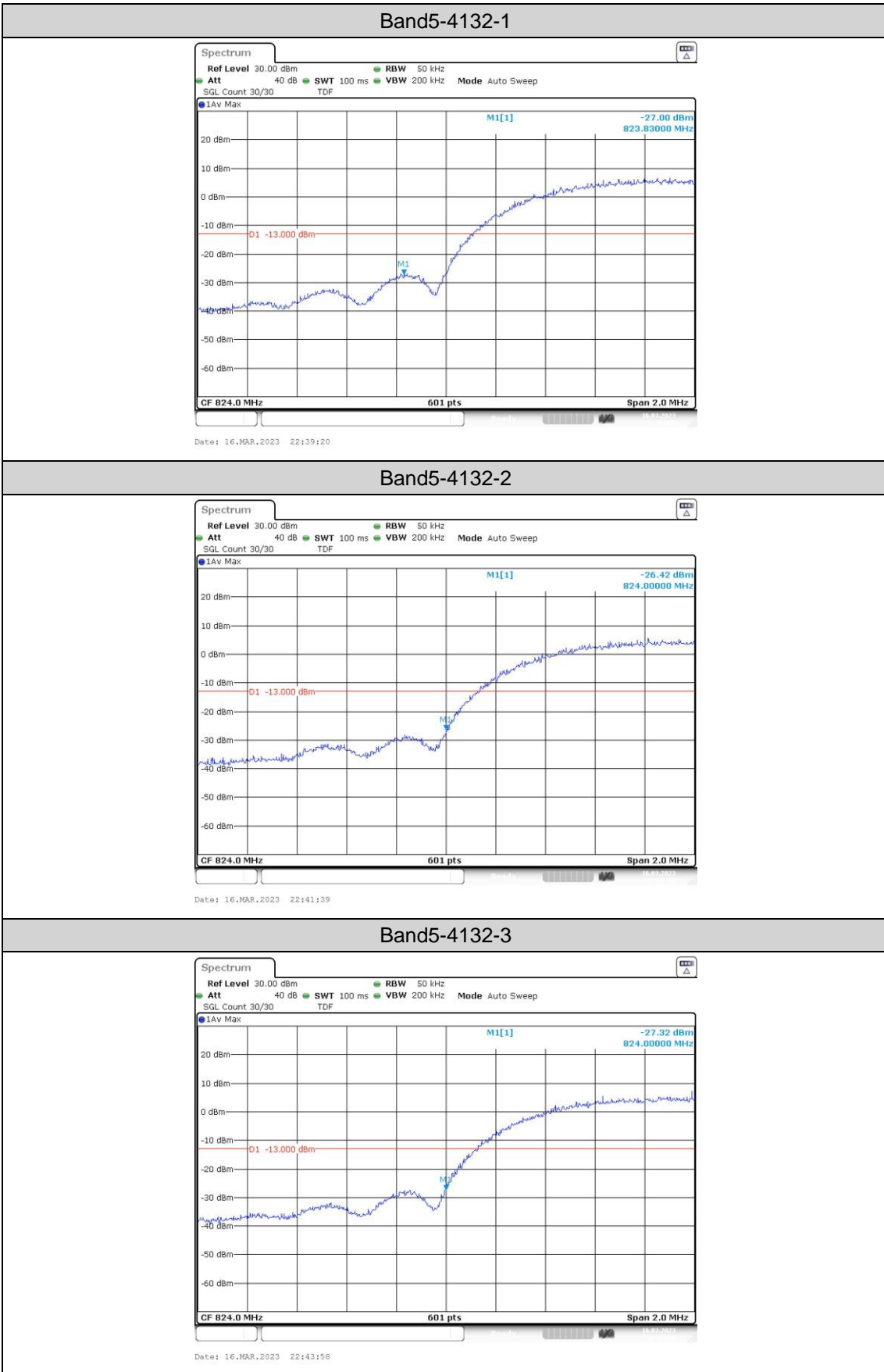


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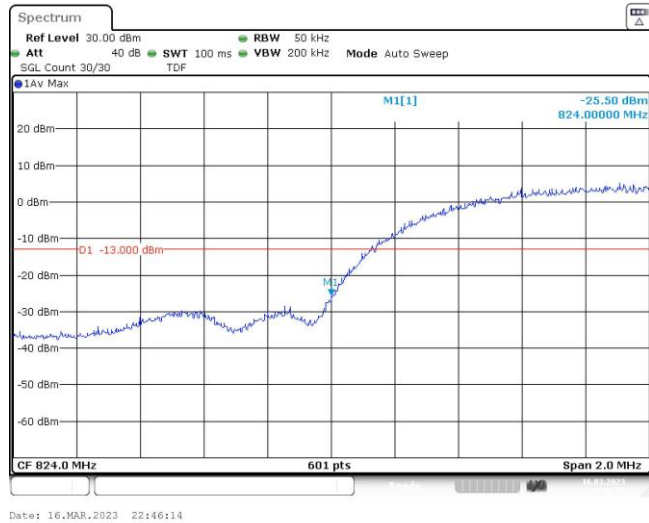
Band5-4233-3



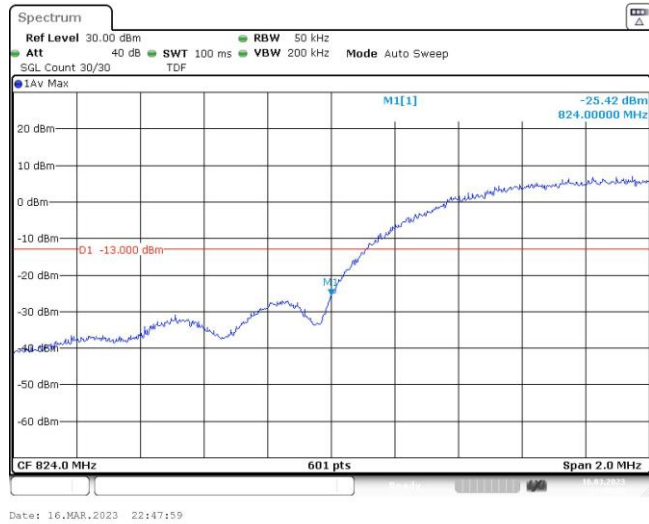
HSUPA



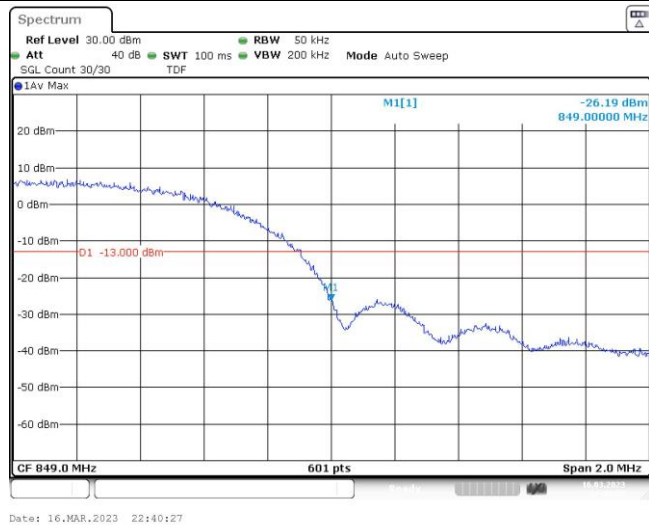
Band5-4132-4



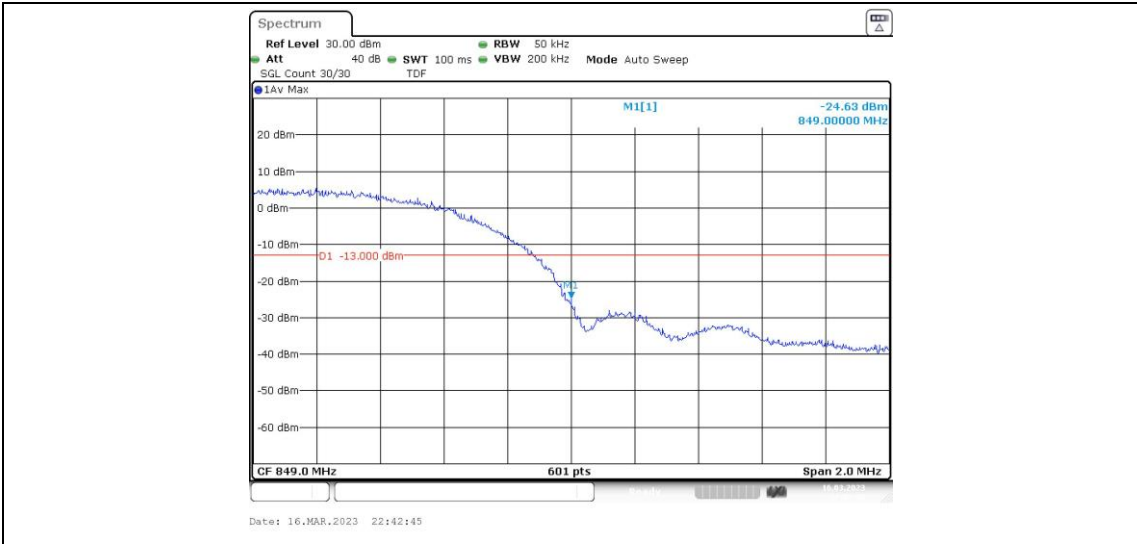
Band5-4132-5



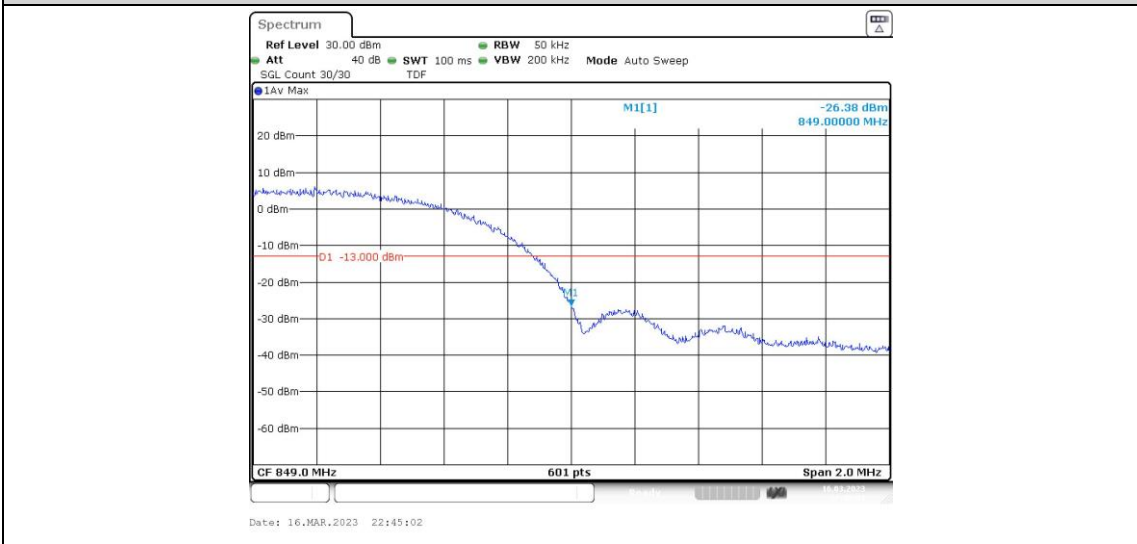
Band5-4233-1



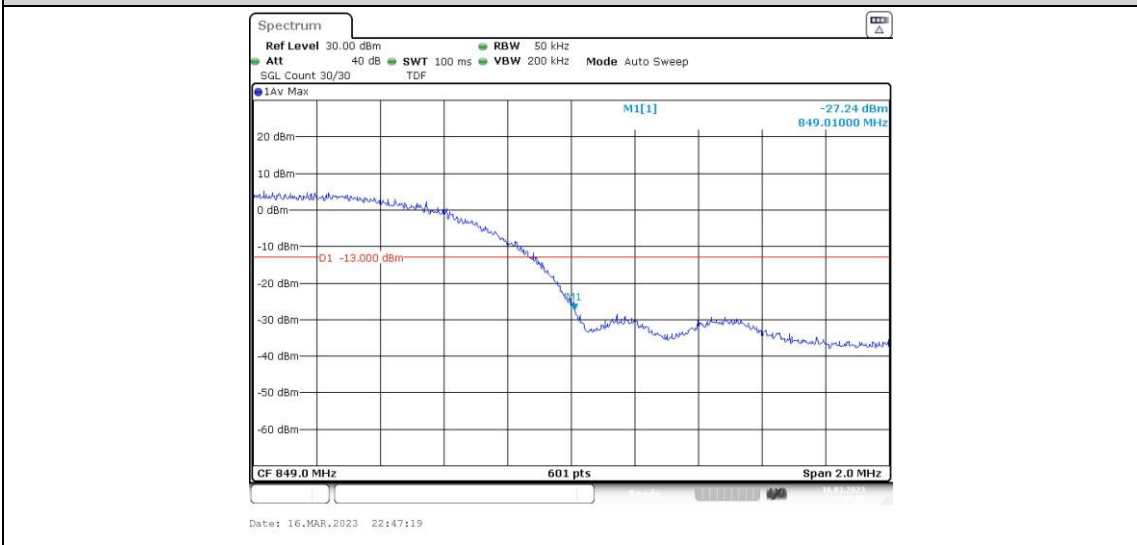
Band5-4233-2



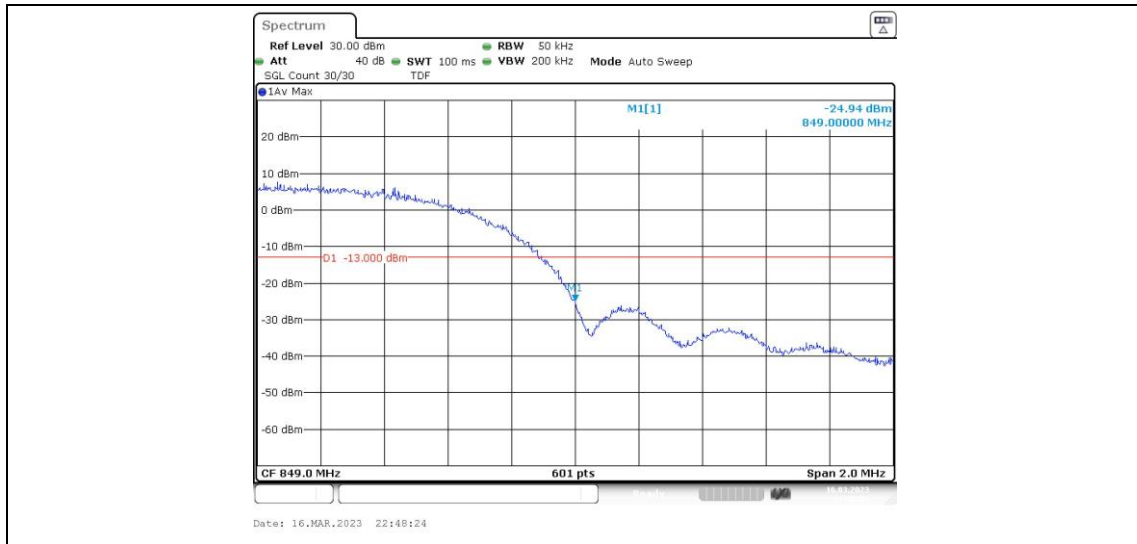
Band5-4233-3



Band5-4233-4



Band5-4233-5



Appendix E: Conducted Spurious Emission

Test Result

WCDMA

Band	Channel	Frequency Range (Mhz)	Frequency (dBm)	Result (dBm)	Limit (dBm)	Verdict
Band5	4132	0.009~0.15MHz	0.01	-67.42	-33	PASS
Band5	4132	0.15~30MHz	0.58	-64.69	-13	PASS
Band5	4132	30~1000MHz	993.21	-60.52	-13	PASS
Band5	4132	1000~10000MHz	6666.79	-41.43	-13	PASS
Band5	4182	0.009~0.15MHz	0.05	-67.5	-33	PASS
Band5	4182	0.15~30MHz	0.17	-64.04	-13	PASS
Band5	4182	30~1000MHz	954.41	-60.98	-13	PASS
Band5	4182	1000~10000MHz	6882.33	-41.42	-13	PASS
Band5	4233	0.009~0.15MHz	0.15	-64.8	-33	PASS
Band5	4233	0.15~30MHz	0.4	-64.64	-13	PASS
Band5	4233	30~1000MHz	982.54	-60.26	-13	PASS
Band5	4233	1000~10000MHz	6686.14	-40.93	-13	PASS

HSDPA

Band	Channel	SubTest	Frequency Range (Mhz)	Frequency (dBm)	Result (dBm)	Limit (dBm)	Verdict
Band5	4132	1	0.15~30MHz	0.55	-64.08	-13	PASS
Band5	4132	1	30~1000MHz	935.5	-59.87	-13	PASS
Band5	4132	1	1000~10000MHz	6540.35	-41.43	-13	PASS
Band5	4132	1	0.009~0.15MHz	0.01	-69.5	-33	PASS
Band5	4132	2	0.15~30MHz	0.34	-64.25	-13	PASS
Band5	4132	2	30~1000MHz	933.07	-60.41	-13	PASS
Band5	4132	2	1000~10000MHz	6672.19	-39.74	-13	PASS
Band5	4132	2	0.009~0.15MHz	0.01	-67.14	-33	PASS
Band5	4132	3	0.15~30MHz	0.34	-63.63	-13	PASS
Band5	4132	3	0.009~0.15MHz	0.01	-66.31	-33	PASS
Band5	4132	3	1000~10000MHz	6639.34	-41.07	-13	PASS
Band5	4132	3	30~1000MHz	940.35	-60.74	-13	PASS
Band5	4132	4	0.15~30MHz	0.88	-63.82	-13	PASS
Band5	4132	4	1000~10000MHz	6933.18	-41.35	-13	PASS
Band5	4132	4	0.009~0.15MHz	0.02	-68.2	-33	PASS
Band5	4132	4	30~1000MHz	983.03	-60.58	-13	PASS
Band5	4182	1	1000~10000MHz	6627.19	-41.51	-13	PASS
Band5	4182	1	30~1000MHz	948.59	-60.16	-13	PASS
Band5	4182	1	0.009~0.15MHz	0.01	-68.11	-33	PASS

Band5	4182	1	0.15~30MHz	0.17	-64.89	-13	PASS
Band5	4182	2	0.15~30MHz	0.2	-63.67	-13	PASS
Band5	4182	2	30~1000MHz	709.49	-60.37	-13	PASS
Band5	4182	2	0.009~0.15MHz	0.01	-68.68	-33	PASS
Band5	4182	2	1000~10000MHz	6942.18	-41.33	-13	PASS
Band5	4182	3	30~1000MHz	988.36	-59.21	-13	PASS
Band5	4182	3	0.15~30MHz	0.31	-65.15	-13	PASS
Band5	4182	3	1000~10000MHz	6987.63	-41.45	-13	PASS
Band5	4182	3	0.009~0.15MHz	0.01	-68.02	-33	PASS
Band5	4182	4	0.009~0.15MHz	0.02	-70.54	-33	PASS
Band5	4182	4	0.15~30MHz	0.2	-62.98	-13	PASS
Band5	4182	4	30~1000MHz	937.44	-60.82	-13	PASS
Band5	4182	4	1000~10000MHz	6690.64	-41.16	-13	PASS
Band5	4233	1	0.15~30MHz	0.17	-63.56	-13	PASS
Band5	4233	1	30~1000MHz	965.57	-60.12	-13	PASS
Band5	4233	1	1000~10000MHz	6708.19	-40.91	-13	PASS
Band5	4233	1	0.009~0.15MHz	0.13	-70.98	-33	PASS
Band5	4233	2	0.009~0.15MHz	0.06	-70.56	-33	PASS
Band5	4233	2	0.15~30MHz	1.12	-64.16	-13	PASS
Band5	4233	2	1000~10000MHz	6606.04	-41.28	-13	PASS
Band5	4233	2	30~1000MHz	990.79	-59.47	-13	PASS
Band5	4233	3	0.009~0.15MHz	0.01	-66.25	-33	PASS
Band5	4233	3	0.15~30MHz	0.17	-63.42	-13	PASS
Band5	4233	3	30~1000MHz	985.45	-59.67	-13	PASS
Band5	4233	3	1000~10000MHz	6637.54	-41.23	-13	PASS
Band5	4233	4	1000~10000MHz	6650.14	-41.45	-13	PASS
Band5	4233	4	0.009~0.15MHz	0.02	-67.3	-33	PASS
Band5	4233	4	0.15~30MHz	0.17	-64.02	-13	PASS
Band5	4233	4	30~1000MHz	985.45	-60.19	-13	PASS

HSUPA

Band	Channel	SubTest	Frequency Range (Mhz)	Frequency (dBm)	Result (dBm)	Limit (dBm)	Verdict
Band5	4132	1	0.15~30MHz	0.17	-63.42	-13	PASS
Band5	4132	1	30~1000MHz	634.31	-60.7	-13	PASS
Band5	4132	1	1000~10000MHz	6614.59	-41.26	-13	PASS
Band5	4132	1	0.009~0.15MHz	0.01	-64.4	-33	PASS
Band5	4132	2	30~1000MHz	962.66	-60.84	-13	PASS
Band5	4132	2	1000~10000MHz	6688.84	-41.51	-13	PASS
Band5	4132	2	0.15~30MHz	0.17	-64.06	-13	PASS
Band5	4132	2	0.009~0.15MHz	0.01	-61.95	-33	PASS
Band5	4132	3	1000~10000MHz	6694.24	-41.1	-13	PASS

Band5	4132	3	0.009~0.15MHz	0.01	-63.83	-33	PASS
Band5	4132	3	0.15~30MHz	0.17	-61.63	-13	PASS
Band5	4132	3	30~1000MHz	687.18	-60.44	-13	PASS
Band5	4132	4	1000~10000MHz	6634.39	-40.91	-13	PASS
Band5	4132	4	0.009~0.15MHz	0.01	-69.02	-33	PASS
Band5	4132	4	30~1000MHz	935.5	-60.35	-13	PASS
Band5	4132	4	0.15~30MHz	0.64	-65.31	-13	PASS
Band5	4132	5	0.009~0.15MHz	0.12	-63.43	-33	PASS
Band5	4132	5	1000~10000MHz	6662.74	-41.29	-13	PASS
Band5	4132	5	0.15~30MHz	0.25	-64.25	-13	PASS
Band5	4132	5	30~1000MHz	961.2	-60.76	-13	PASS
Band5	4182	1	1000~10000MHz	6608.29	-40.93	-13	PASS
Band5	4182	1	30~1000MHz	981.09	-60.68	-13	PASS
Band5	4182	1	0.009~0.15MHz	0.02	-65.07	-33	PASS
Band5	4182	1	0.15~30MHz	0.23	-64.75	-13	PASS
Band5	4182	2	0.009~0.15MHz	0.01	-64.55	-33	PASS
Band5	4182	2	30~1000MHz	958.78	-60.31	-13	PASS
Band5	4182	2	0.15~30MHz	0.2	-64.05	-13	PASS
Band5	4182	2	1000~10000MHz	6604.24	-40.64	-13	PASS
Band5	4182	3	0.15~30MHz	0.17	-63.79	-13	PASS
Band5	4182	3	30~1000MHz	975.27	-60.08	-13	PASS
Band5	4182	3	1000~10000MHz	6714.04	-41.46	-13	PASS
Band5	4182	3	0.009~0.15MHz	0.02	-64.56	-33	PASS
Band5	4182	4	0.009~0.15MHz	0.01	-70.72	-33	PASS
Band5	4182	4	1000~10000MHz	6739.24	-41.23	-13	PASS
Band5	4182	4	0.15~30MHz	0.17	-64.19	-13	PASS
Band5	4182	4	30~1000MHz	985.94	-60.58	-13	PASS
Band5	4182	5	1000~10000MHz	6656.44	-41.08	-13	PASS
Band5	4182	5	0.15~30MHz	0.31	-64.74	-13	PASS
Band5	4182	5	30~1000MHz	955.87	-59.88	-13	PASS
Band5	4182	5	0.009~0.15MHz	0.13	-65.43	-33	PASS
Band5	4233	1	1000~10000MHz	6679.39	-41.29	-13	PASS
Band5	4233	1	30~1000MHz	988.36	-59.88	-13	PASS
Band5	4233	1	0.15~30MHz	0.31	-63.43	-13	PASS
Band5	4233	1	0.009~0.15MHz	0.07	-63.2	-33	PASS
Band5	4233	2	0.009~0.15MHz	0.02	-61.67	-33	PASS
Band5	4233	2	0.15~30MHz	0.17	-64.53	-13	PASS
Band5	4233	2	30~1000MHz	967.99	-60.24	-13	PASS
Band5	4233	2	1000~10000MHz	6627.64	-41.24	-13	PASS
Band5	4233	3	30~1000MHz	968.96	-59.69	-13	PASS
Band5	4233	3	1000~10000MHz	6538.1	-41.28	-13	PASS
Band5	4233	3	0.009~0.15MHz	0.01	-63.17	-33	PASS

Band5	4233	3	0.15~30MHz	0.2	-64.99	-13	PASS
Band5	4233	4	0.009~0.15MHz	0.01	-68.27	-33	PASS
Band5	4233	4	1000~10000MHz	6985.38	-41.31	-13	PASS
Band5	4233	4	0.15~30MHz	0.23	-63.82	-13	PASS
Band5	4233	4	30~1000MHz	686.21	-60.99	-13	PASS
Band5	4233	5	1000~10000MHz	6695.14	-41.25	-13	PASS
Band5	4233	5	0.009~0.15MHz	0.14	-62.9	-33	PASS
Band5	4233	5	0.15~30MHz	0.23	-64.86	-13	PASS
Band5	4233	5	30~1000MHz	718.7	-60.55	-13	PASS