

Appendix: LORA DTS

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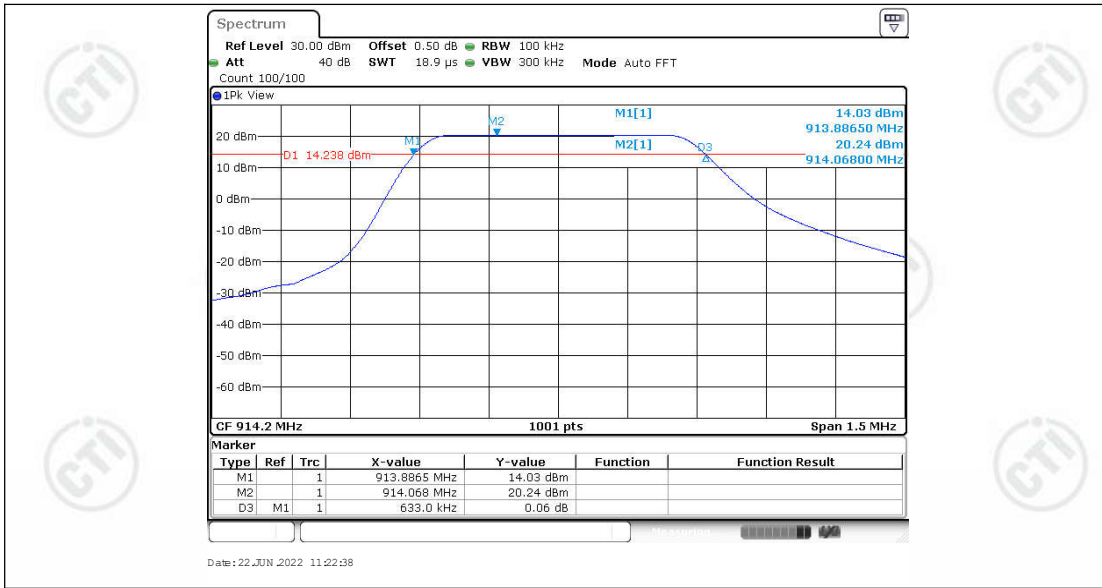
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Appendix A: DTS Bandwidth**Test Result**

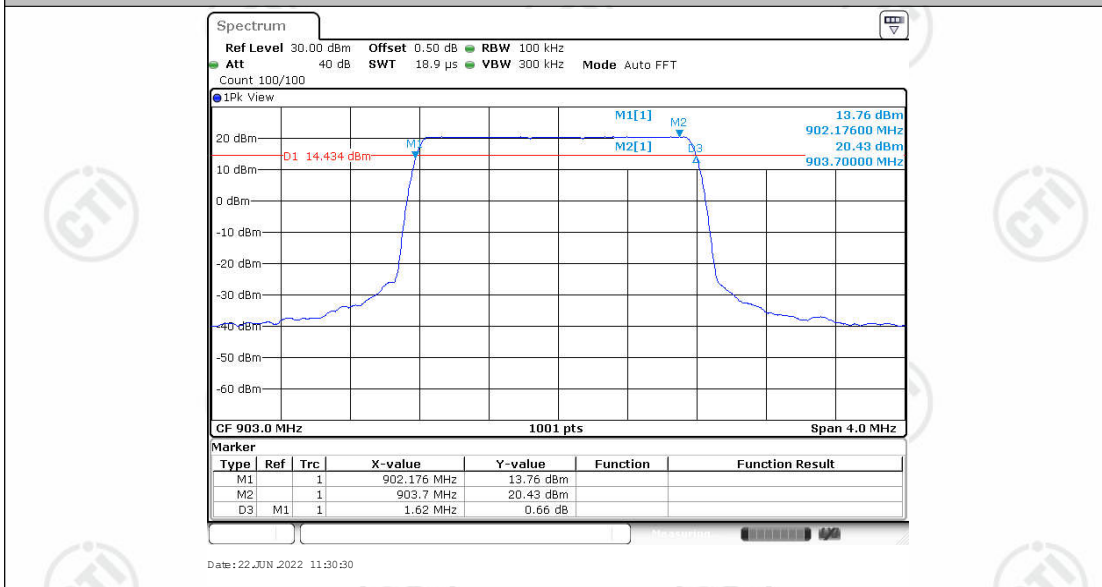
Test Mode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BW500K	Ant1	903	0.635	902.685	903.320	0.5	PASS
		907.8	0.633	907.487	908.120	0.5	PASS
		914.2	0.633	913.887	914.520	0.5	PASS
BW1523.4K	Ant1	903	1.620	902.176	903.796	0.5	PASS
		907.8	1.648	906.976	908.624	0.5	PASS
		914.2	1.648	913.376	915.024	0.5	PASS

Test Graphs

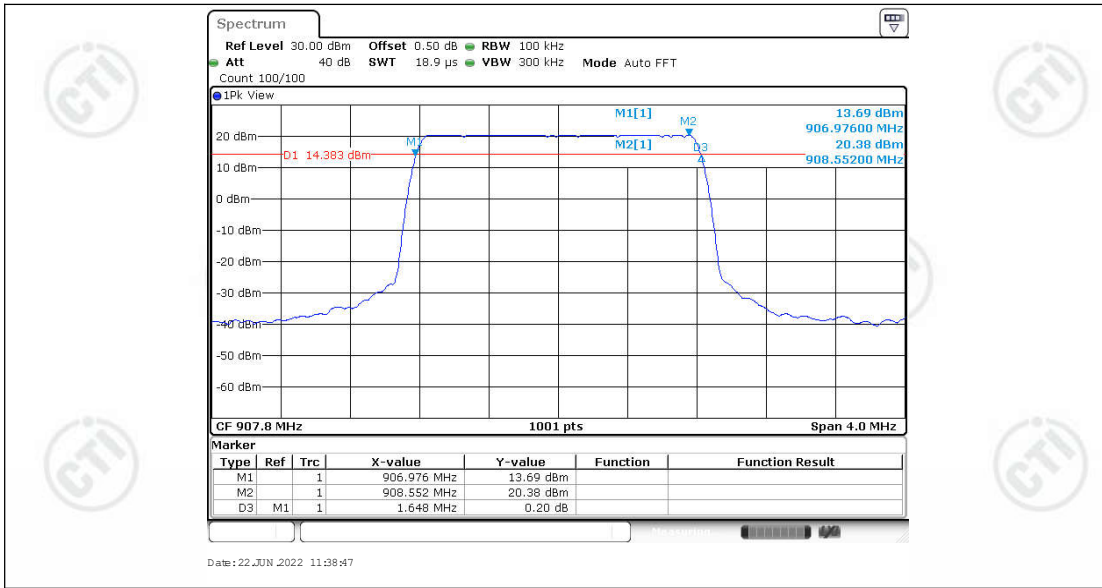




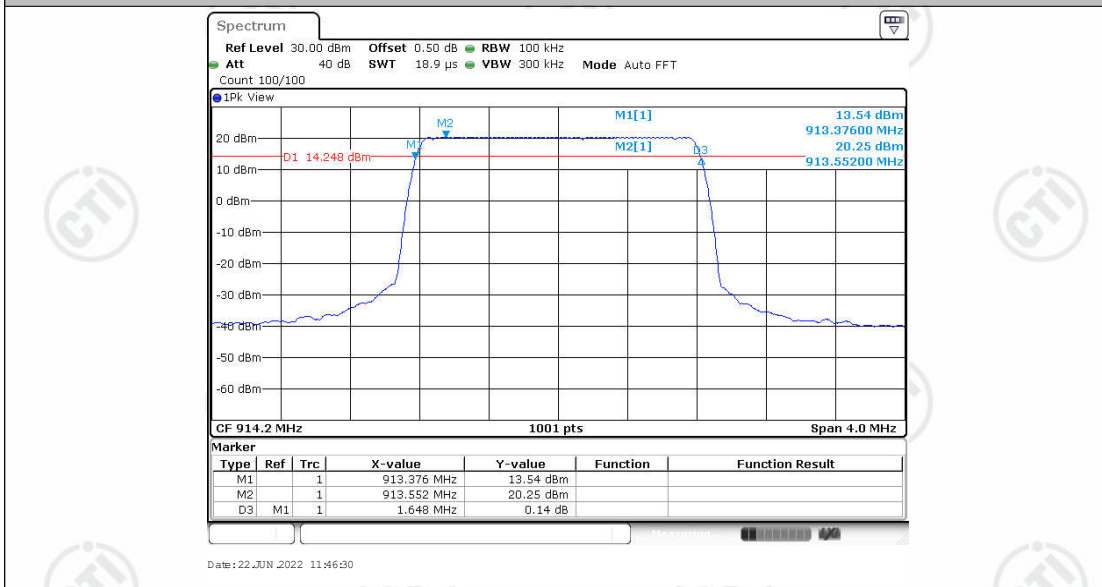
BW500K_Ant1_914.2



BW1523.4K_Ant1_903



BW1523.4K_Ant1_907.8

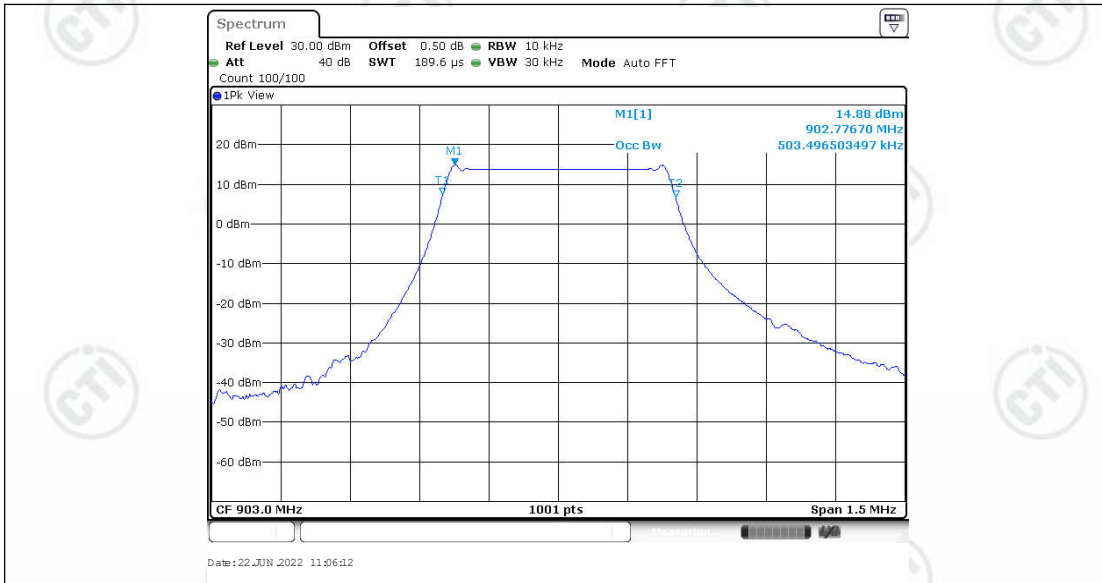


BW1523.4K_Ant1_914.2

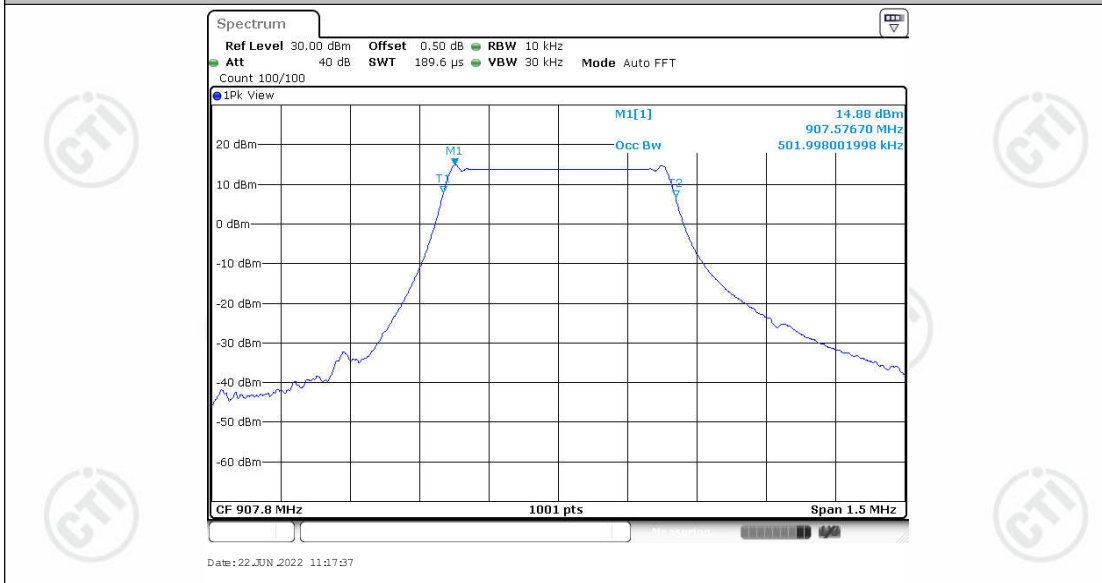
Appendix B: Occupied Channel Bandwidth**Test Result**

Test Mode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BW500K	Ant1	903	0.503	902.750	903.253	---	PASS
		907.8	0.502	907.551	908.053	---	PASS
		914.2	0.502	913.951	914.453	---	PASS
BW1523.4K	Ant1	903	1.542	902.229	903.771	---	PASS
		907.8	1.546	907.029	908.575	---	PASS
		914.2	1.542	913.429	914.971	---	PASS

Test Graphs



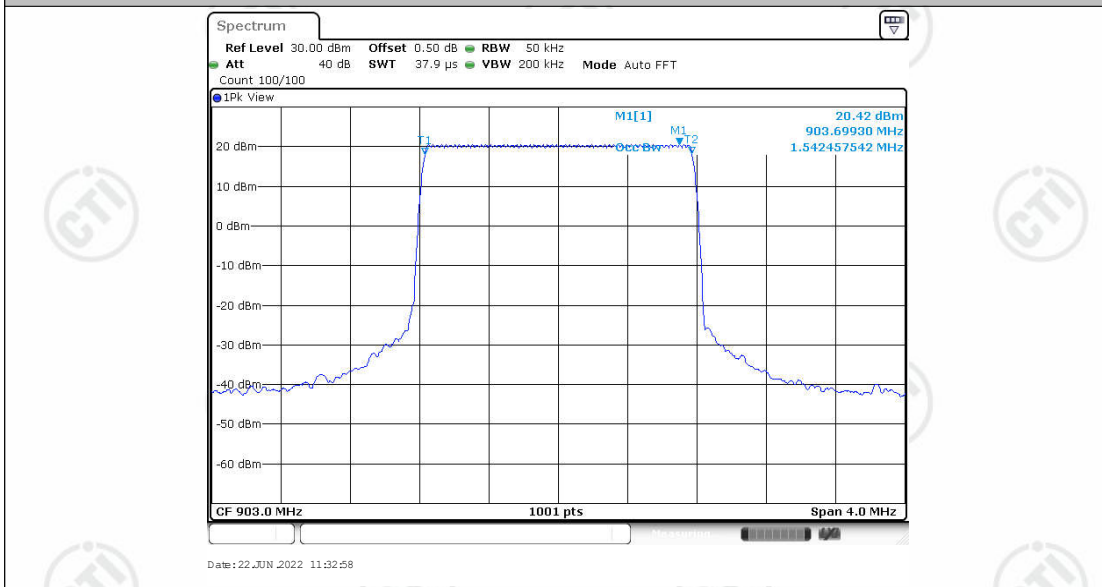
BW500K_Ant1_903



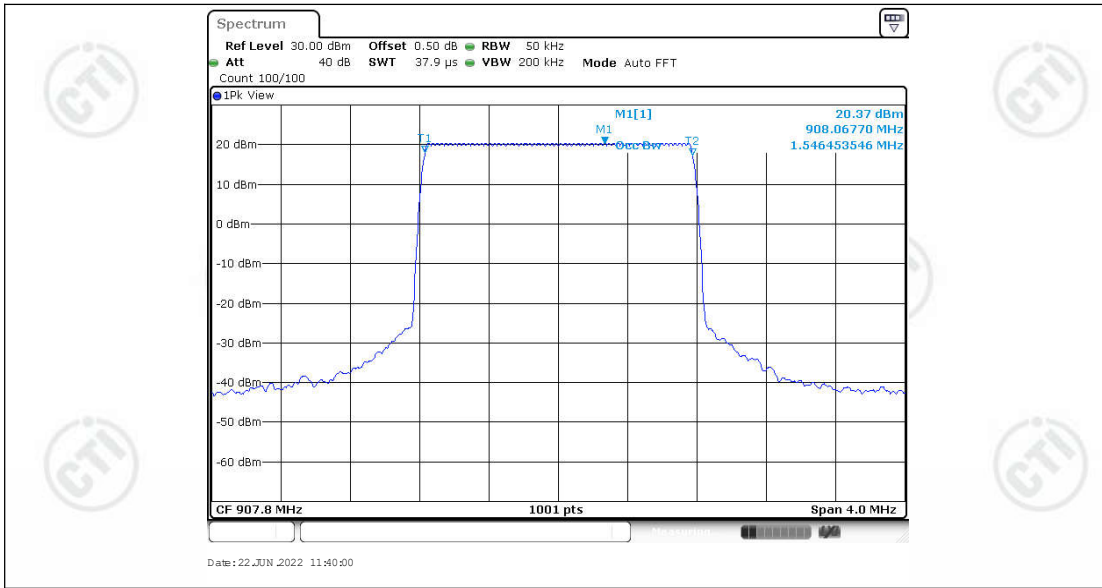
BW500K_Ant1_907.8



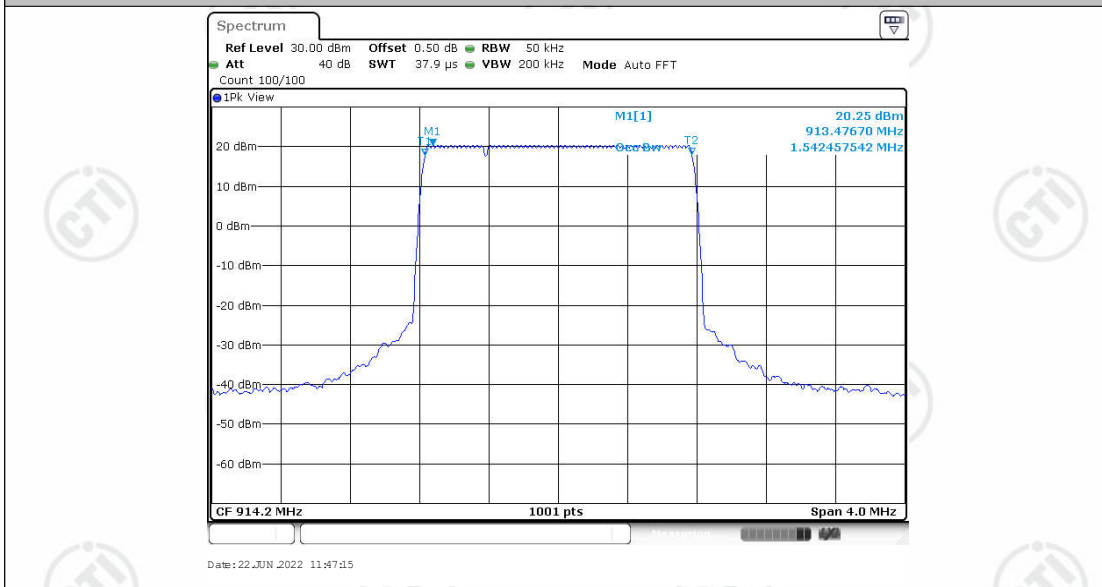
BW500K_Ant1_914.2



BW1523.4K_Ant1_903



BW1523.4K_Ant1_907.8

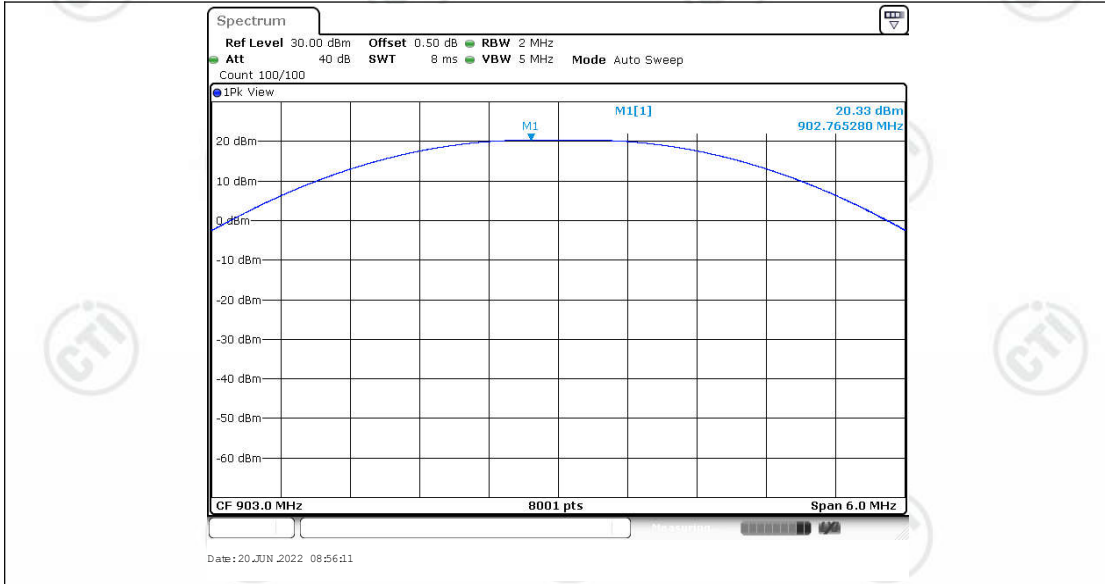


BW1523.4K_Ant1_914.2

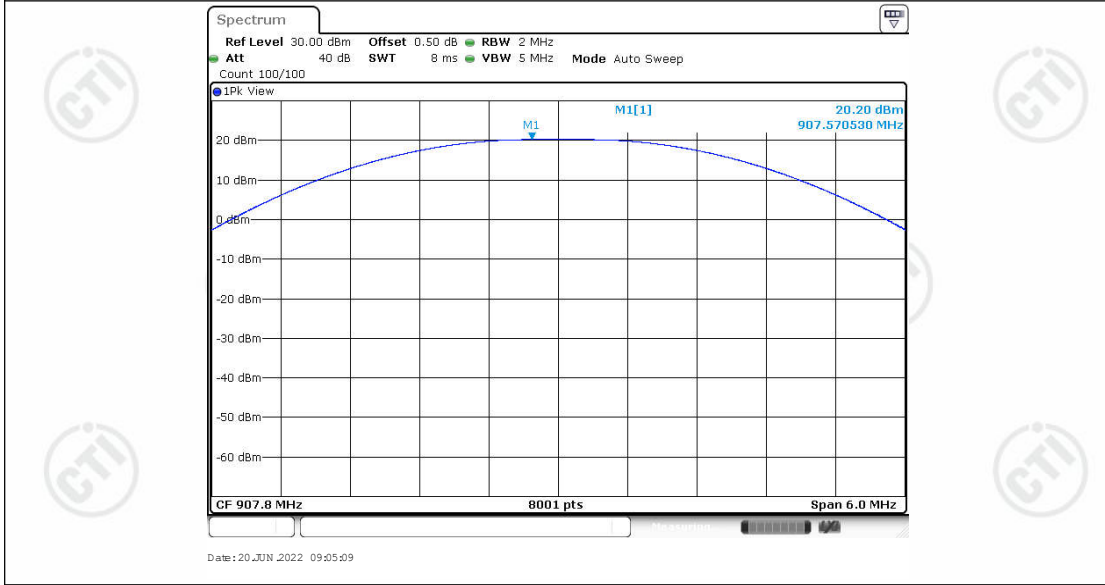
Appendix C: Maximum conducted output power**Test Result**

Test Mode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
BW500K	Ant1	903	20.33	<=30	PASS
		907.8	20.2	<=30	PASS
		914.2	20.12	<=30	PASS
BW1523.4K	Ant1	903	20.21	<=30	PASS
		907.8	20.18	<=30	PASS
		914.2	20.12	<=30	PASS

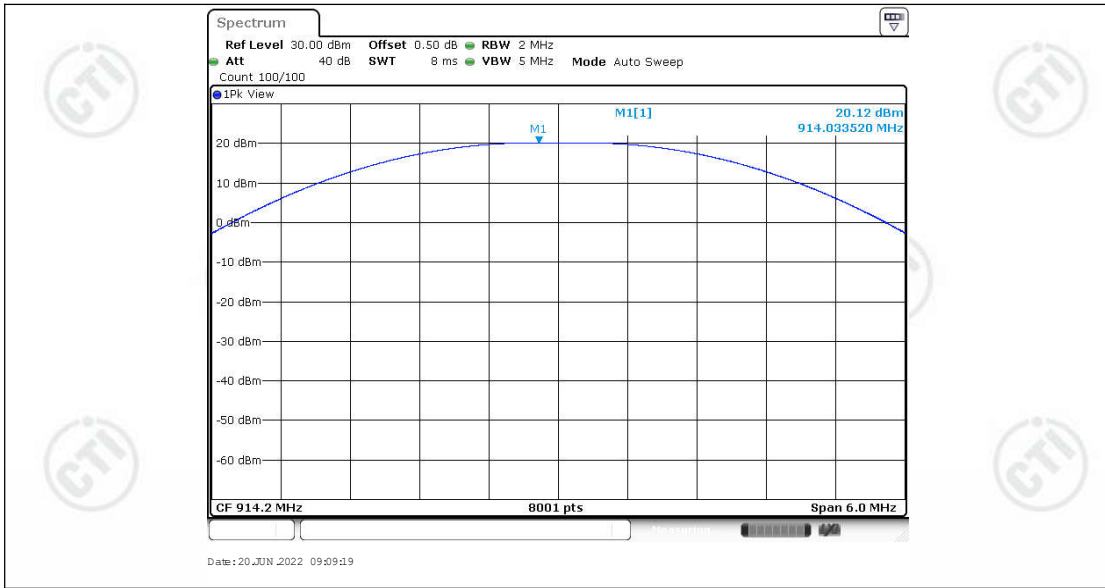
Test Graphs



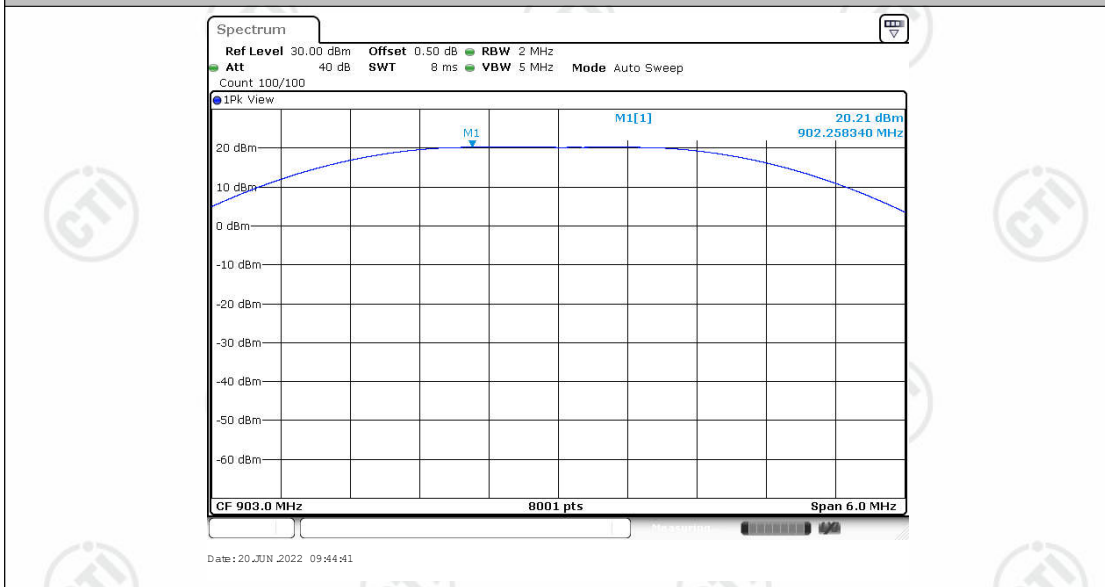
BW500K_Ant1_903



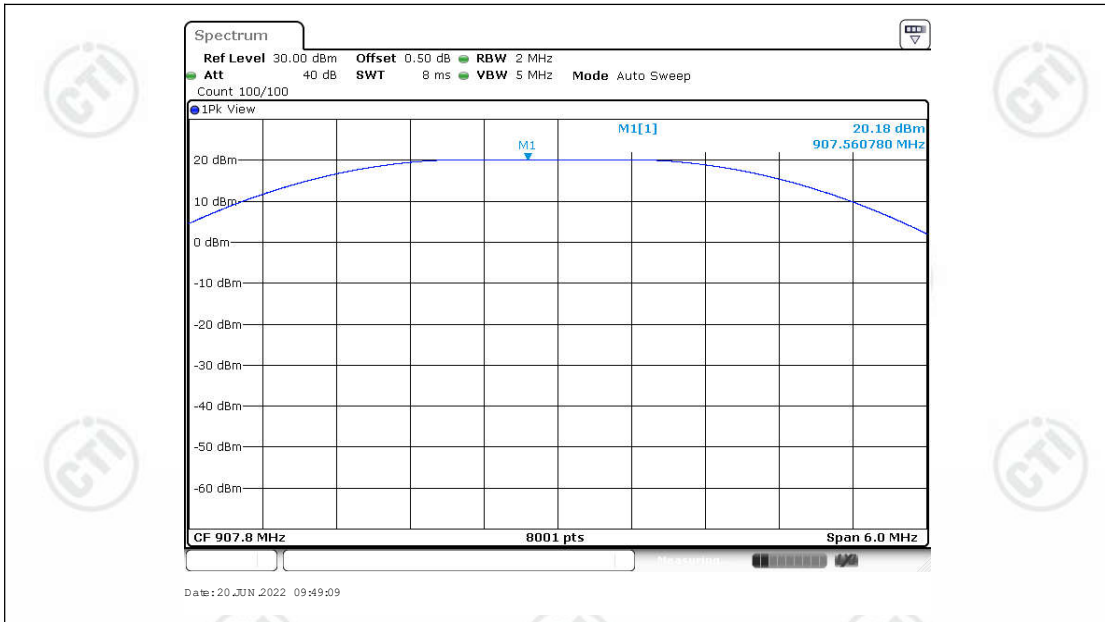
BW500K_Ant1_907.8



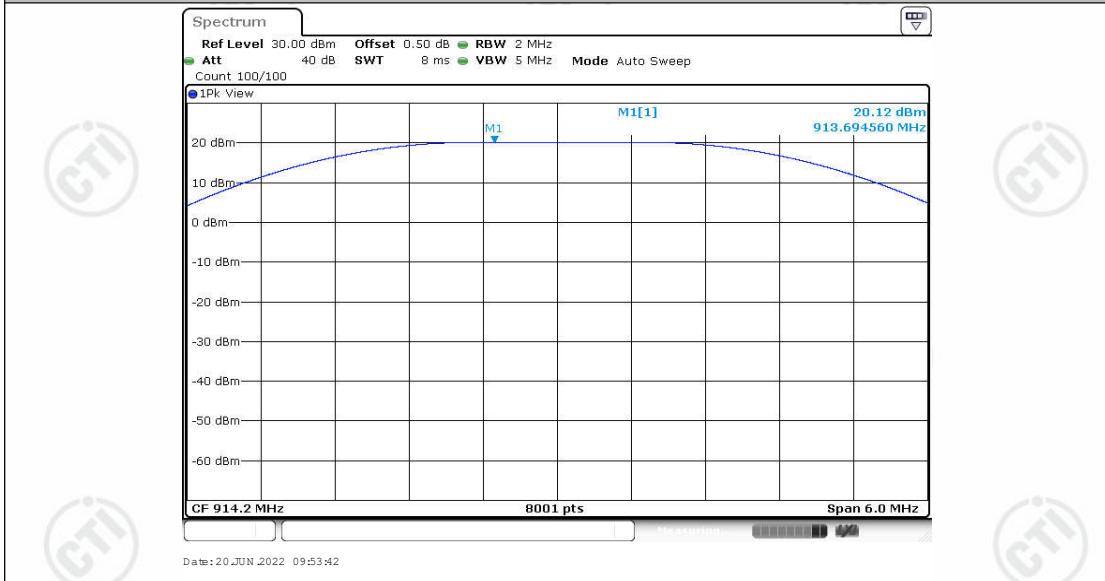
BW500K_Ant1_914.2



BW1523.4K_Ant1_903



BW1523.4K_Ant1_907.8



BW1523.4K_Ant1_914.2

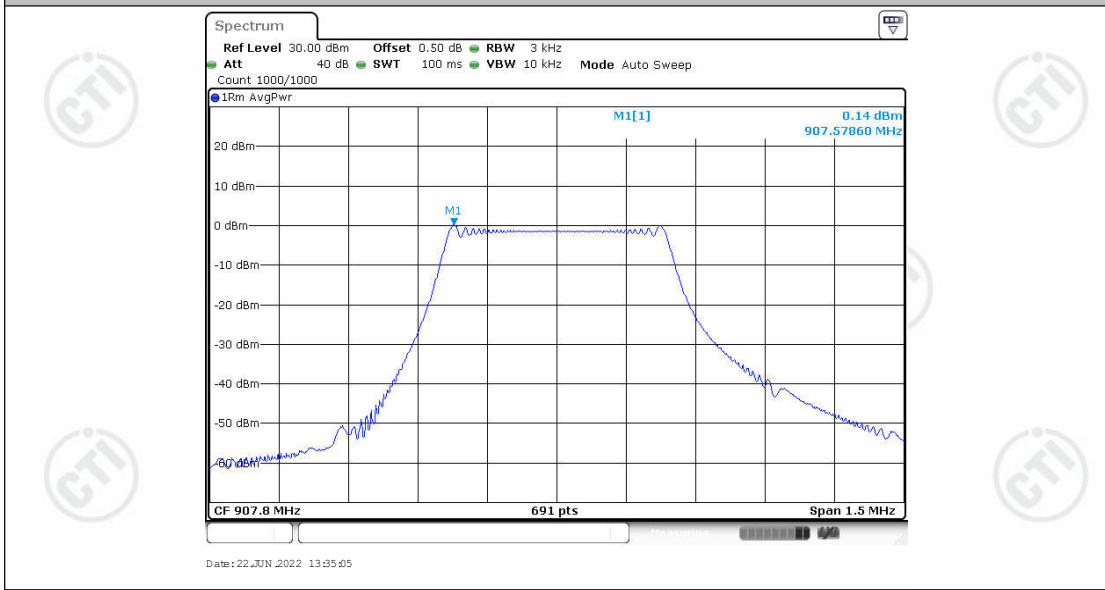
Appendix D: Maximum power spectral density**Test Result**

Test Mode	Antenna	Channel	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BW500K	Ant1	903	0.16	<=8	PASS
		907.8	0.14	<=8	PASS
		914.2	0.18	<=8	PASS
BW1523.4K	Ant1	903	4.05	<=8	PASS
		907.8	3.26	<=8	PASS
		914.2	3.89	<=8	PASS

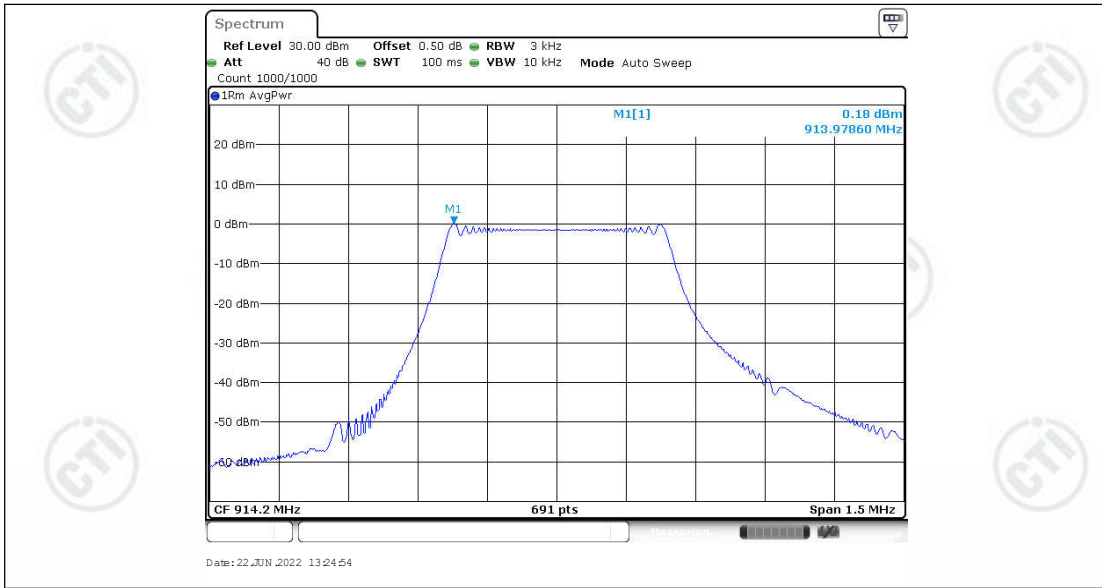
Test Graphs



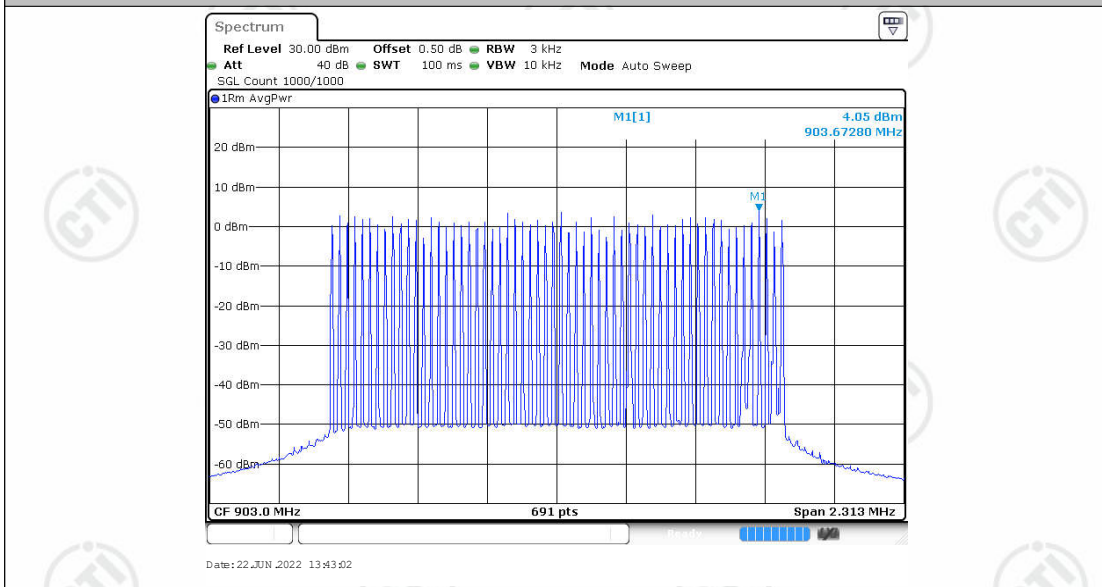
BW500K_Ant1_903



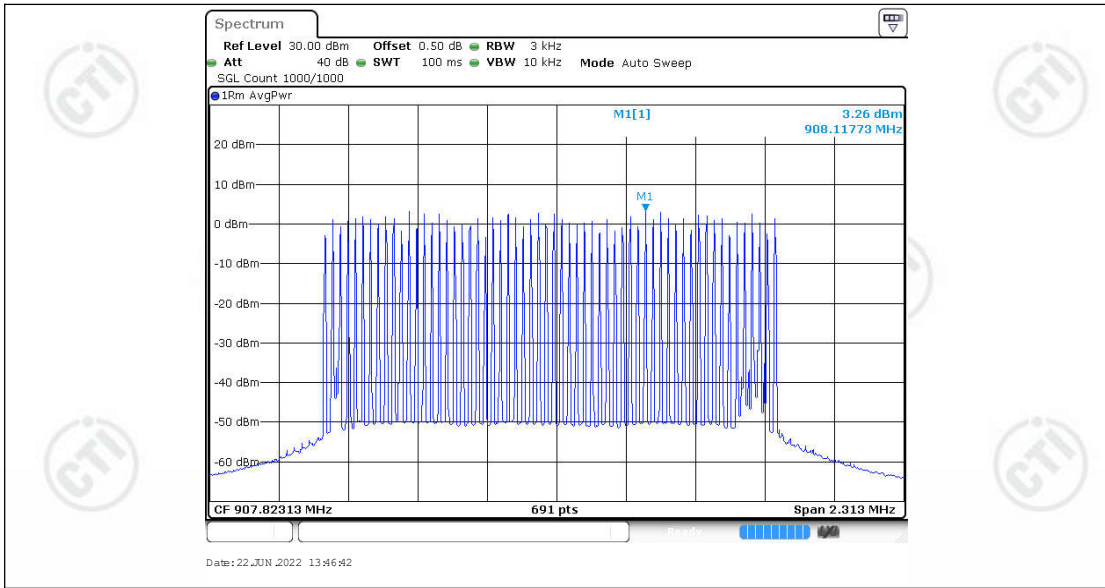
BW500K_Ant1_907.8



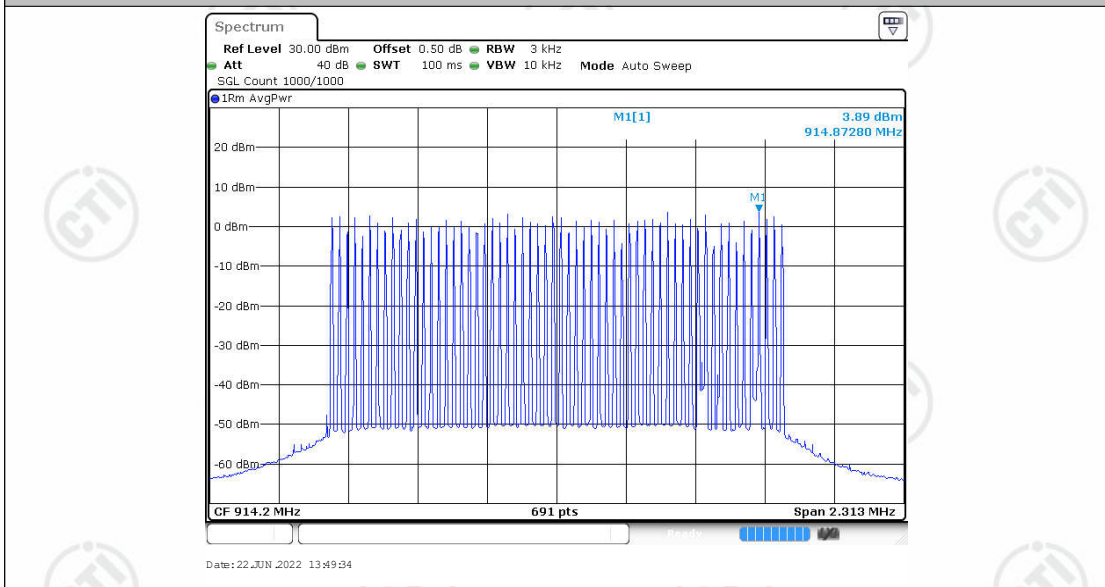
BW500K_Ant1_914.2



BW1523.4K_Ant1_903



BW1523.4K_Ant1_907.8

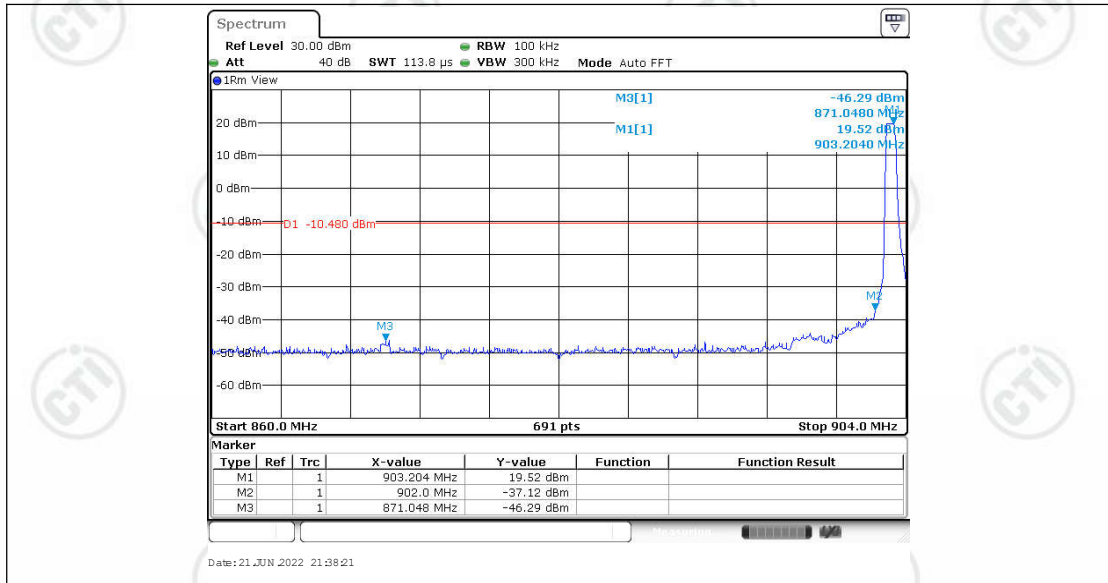


BW1523.4K_Ant1_914.2

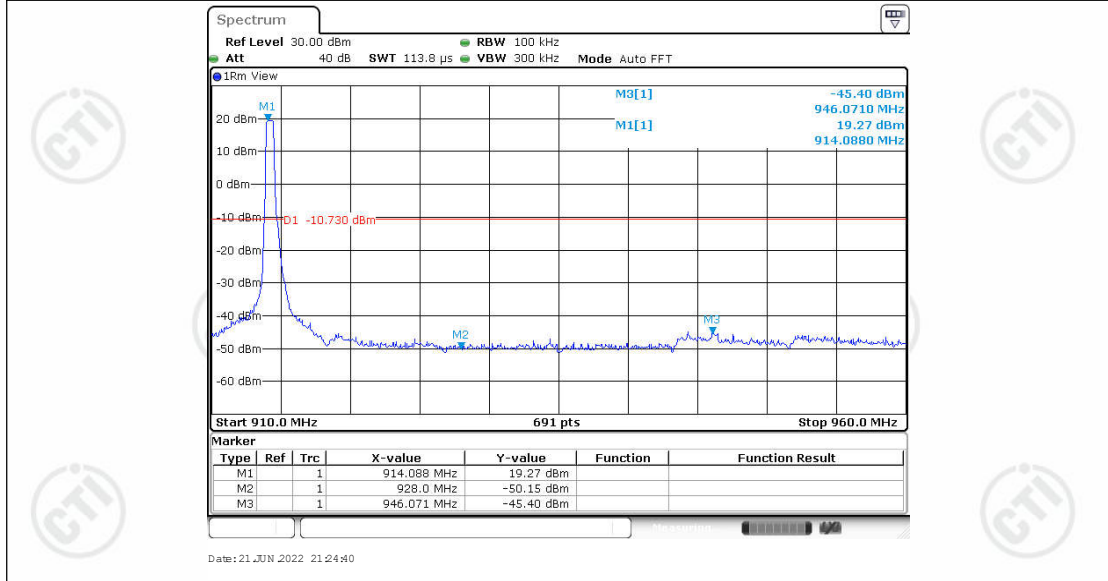
Appendix E: Band edge measurements**Test Result**

Test Mode	Antenna	ChName	Channel	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
BW500K	Ant1	Low	903	19.52	-37.12	<=-10.48	PASS
		High	914.2	19.27	--50.15	<=-10.73	PASS
BW1523.4K	Ant1	Low	903	19.53	-30.39	<=-10.47	PASS
		High	914.2	19.31	-50.19	<=-10.69	PASS

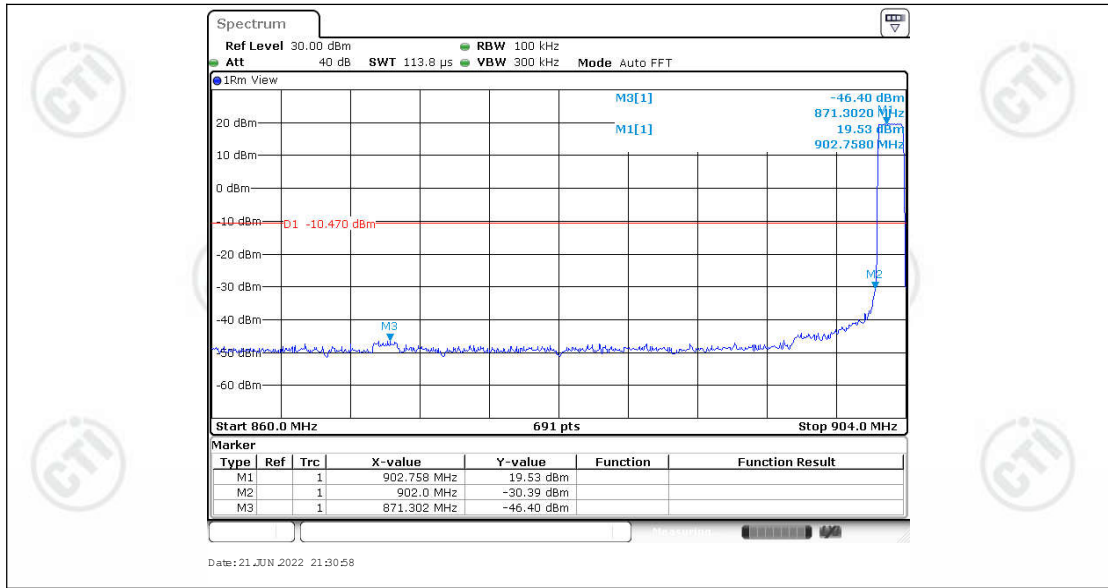
Test Graphs



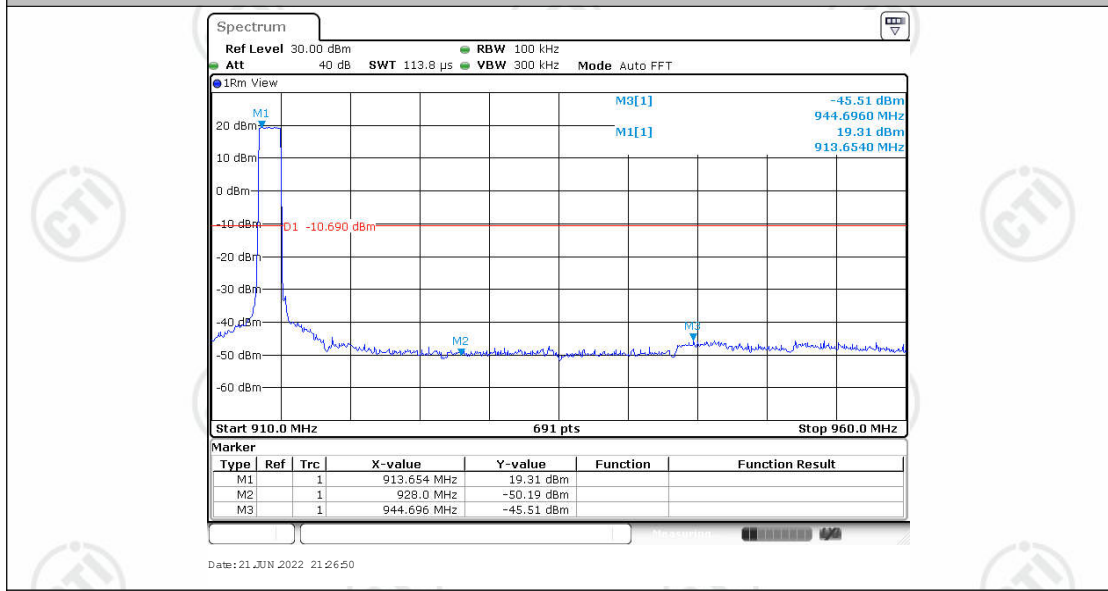
BW500K_Ant1_903



BW500K_Ant1_914.2



BW1523.4K_Ant1_903



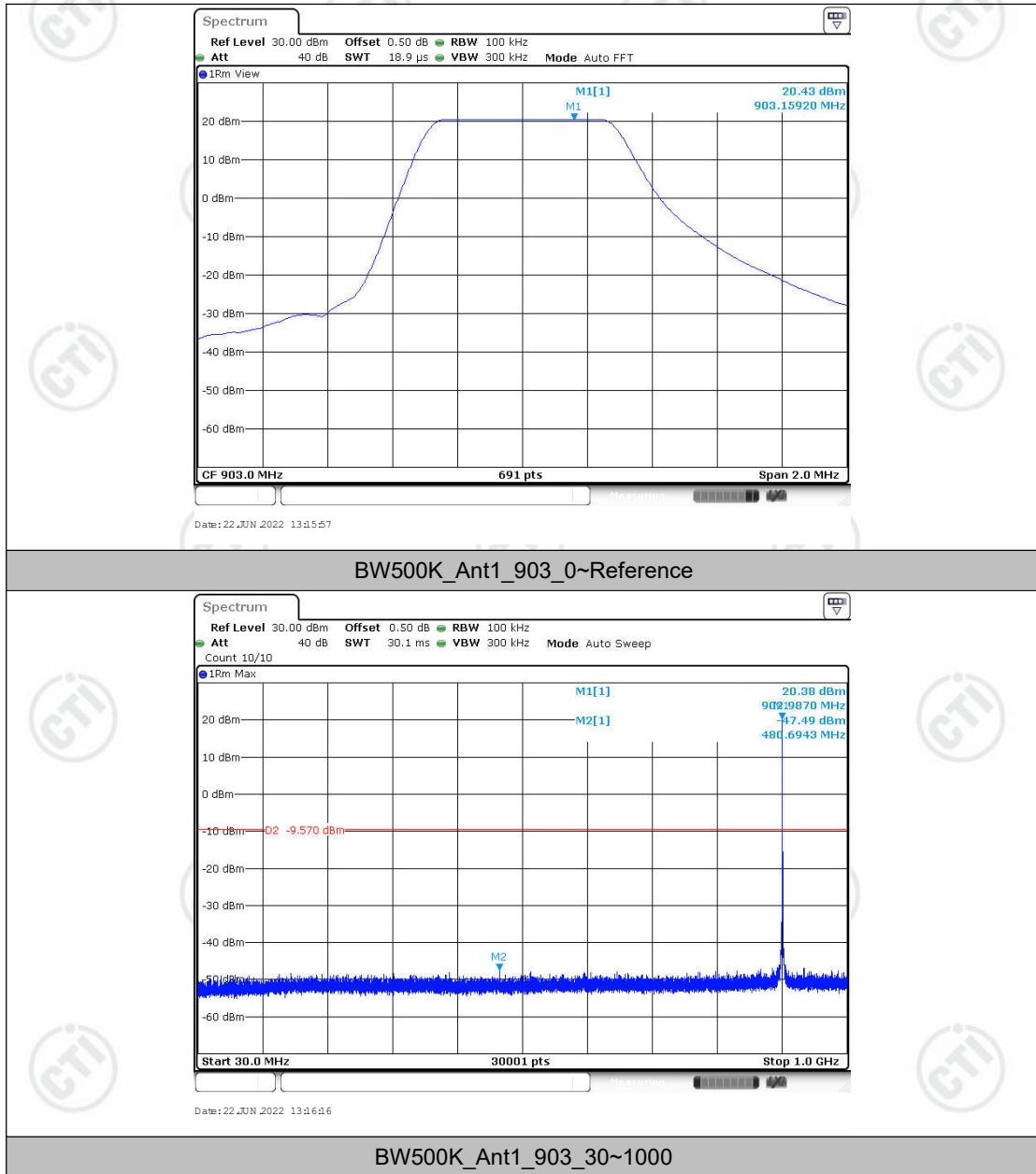
BW1523.4K_Ant1_914.2

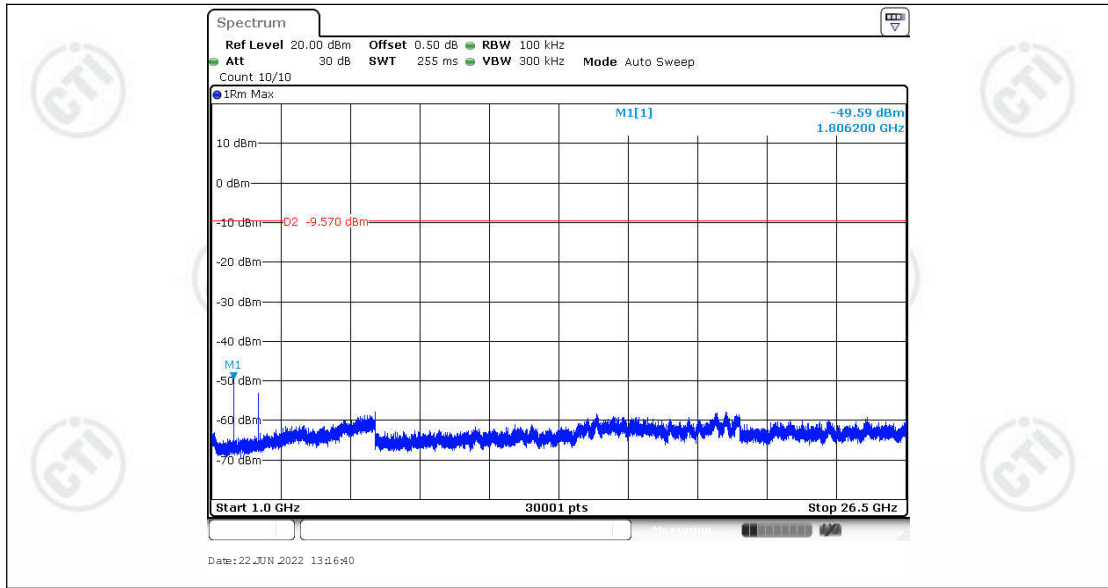
Appendix F: Conducted Spurious Emission

Test Result

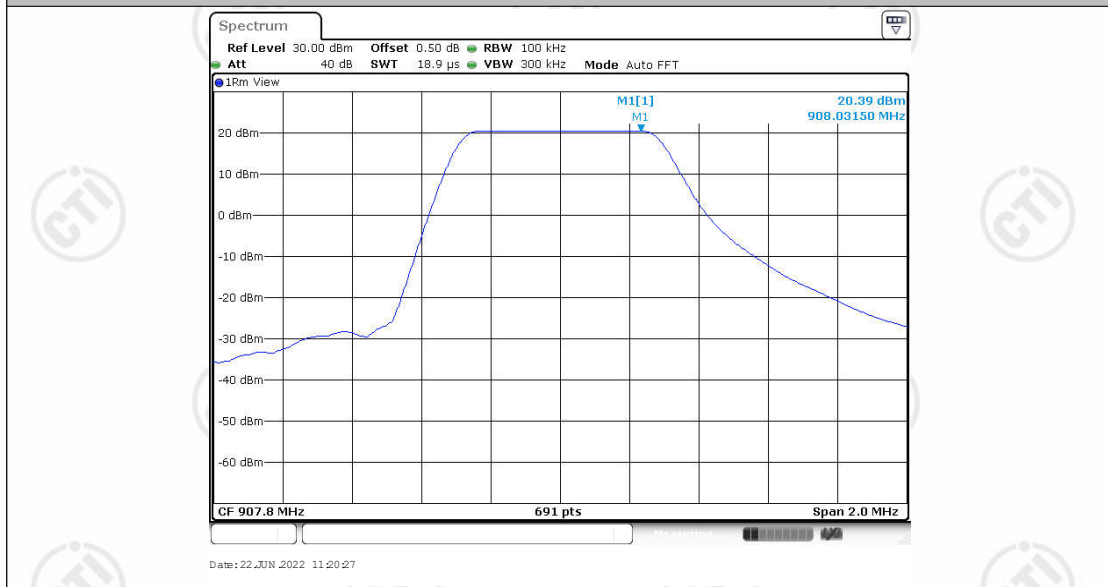
Test Mode	Antenna	Channel	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
BW500K	Ant1	903	Reference	20.43	20.43	---	PASS
			30~1000	---	-47.49	<=-9.57	PASS
			1000~26500	---	-49.59	<=-9.57	PASS
		907.8	Reference	20.39	20.39	---	PASS
			30~1000	---	-50.62	<=-9.61	PASS
			1000~26500	---	-50.07	<=-9.61	PASS
		914.2	Reference	20.22	20.22	---	PASS
			30~1000	---	-46.57	<=-9.78	PASS
			1000~26500	---	-49.93	<=-9.78	PASS
BW1523.4K	Ant1	903	Reference	20.42	20.42	---	PASS
			30~1000	---	-47.41	<=-9.58	PASS
			1000~26500	---	-49.98	<=-9.58	PASS
		907.8	Reference	20.36	20.36	---	PASS
			30~1000	---	-47.45	<=-9.64	PASS
			1000~26500	---	-49.91	<=-9.64	PASS
		914.2	Reference	20.28	20.28	---	PASS
			30~1000	---	-47.49	<=-9.72	PASS
			1000~26500	---	-49.97	<=-9.72	PASS

Test Graphs

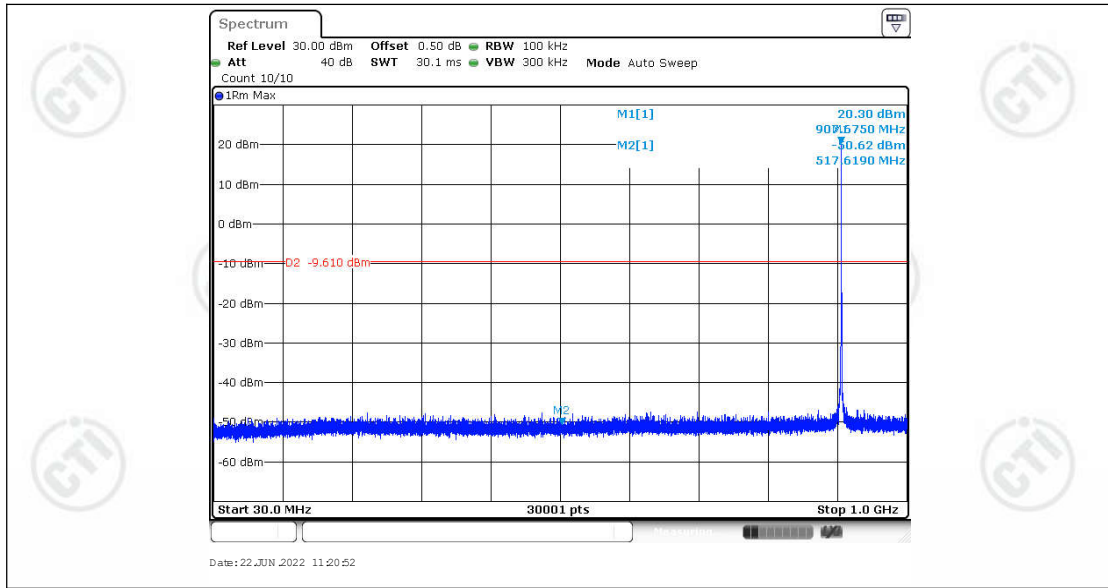




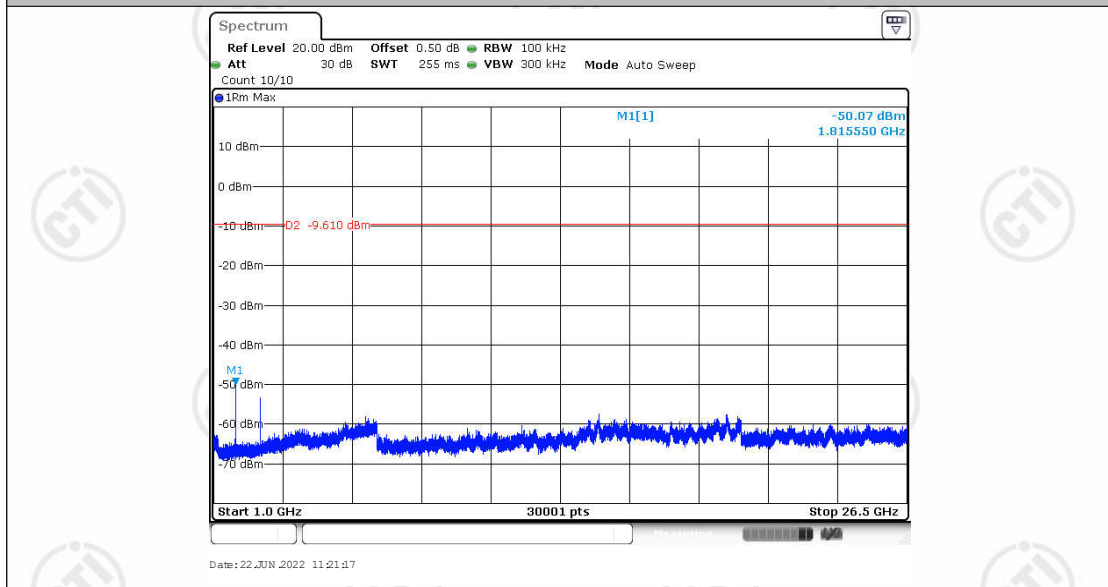
BW500K_Ant1_903_1000~26500



BW500K_Ant1_907.8_0~Reference



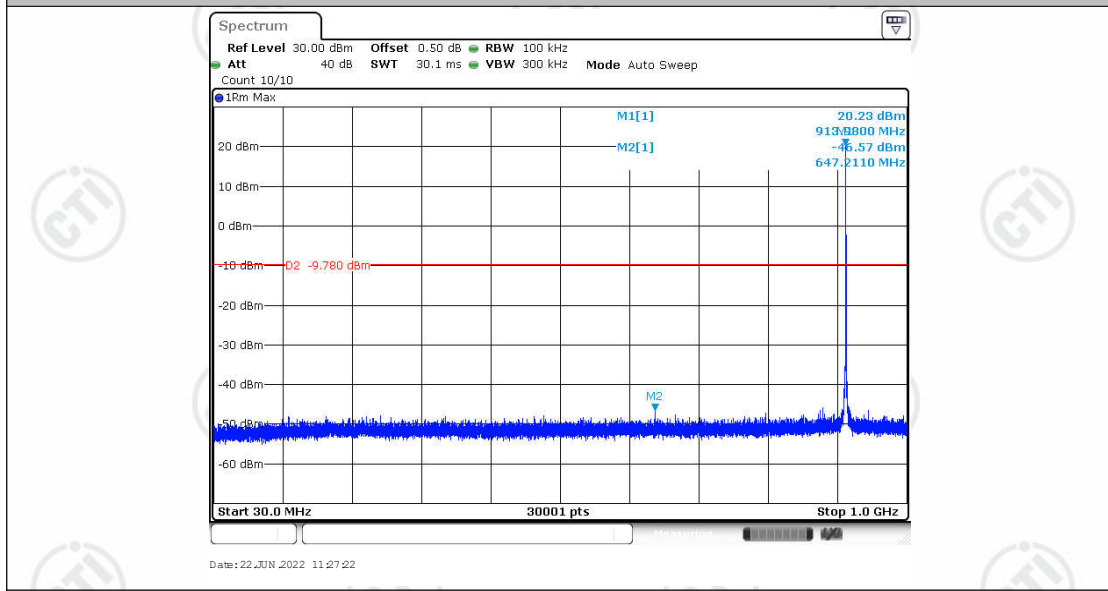
BW500K_Ant1_907.8_30~1000



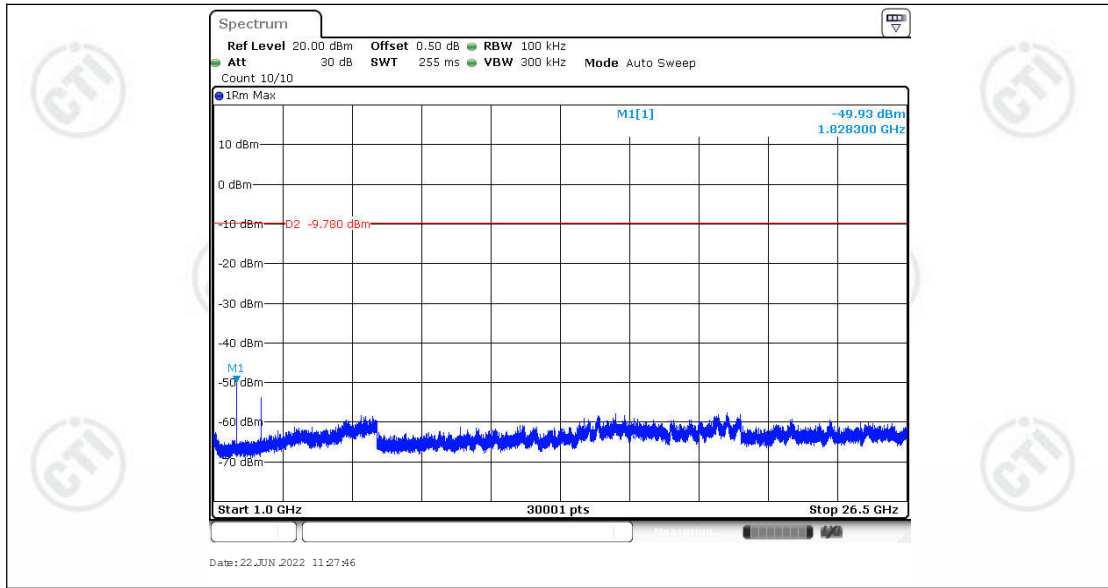
BW500K_Ant1_907.8_1000~26500



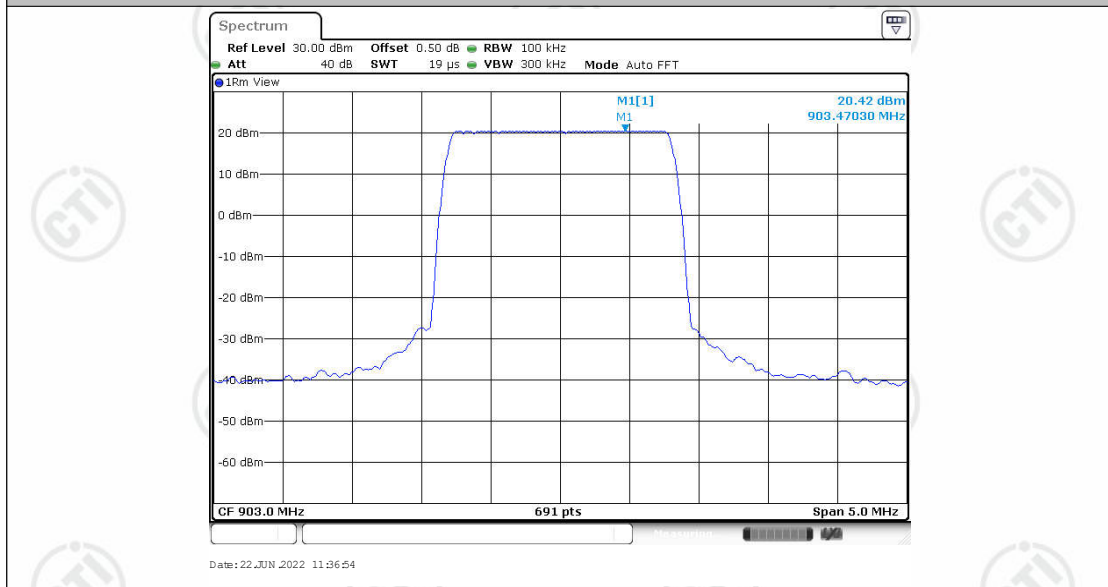
BW500K_Ant1_914.2_0~Reference



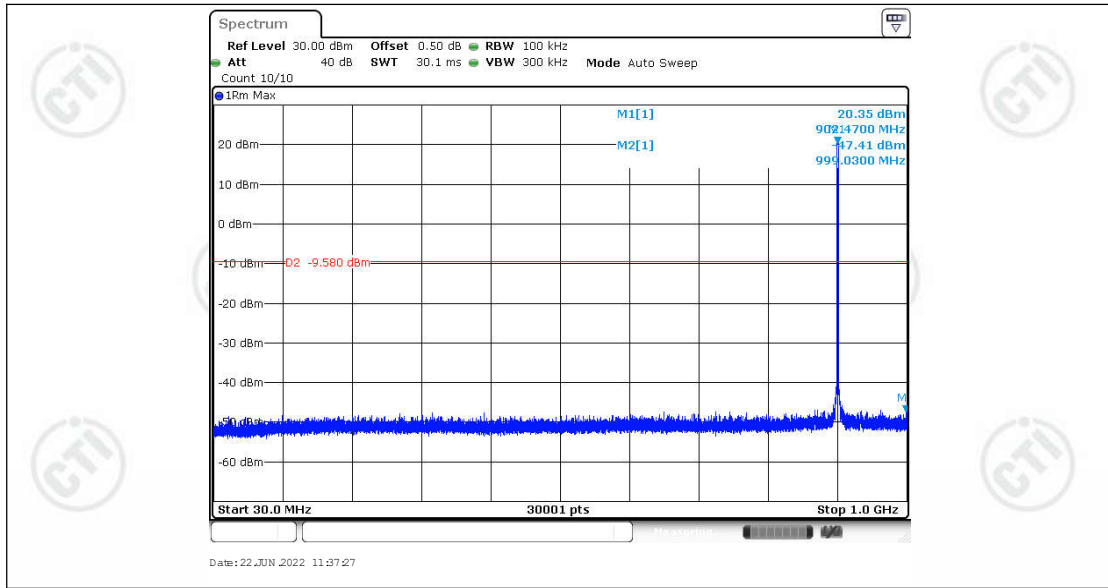
BW500K_Ant1_914.2_30~1000



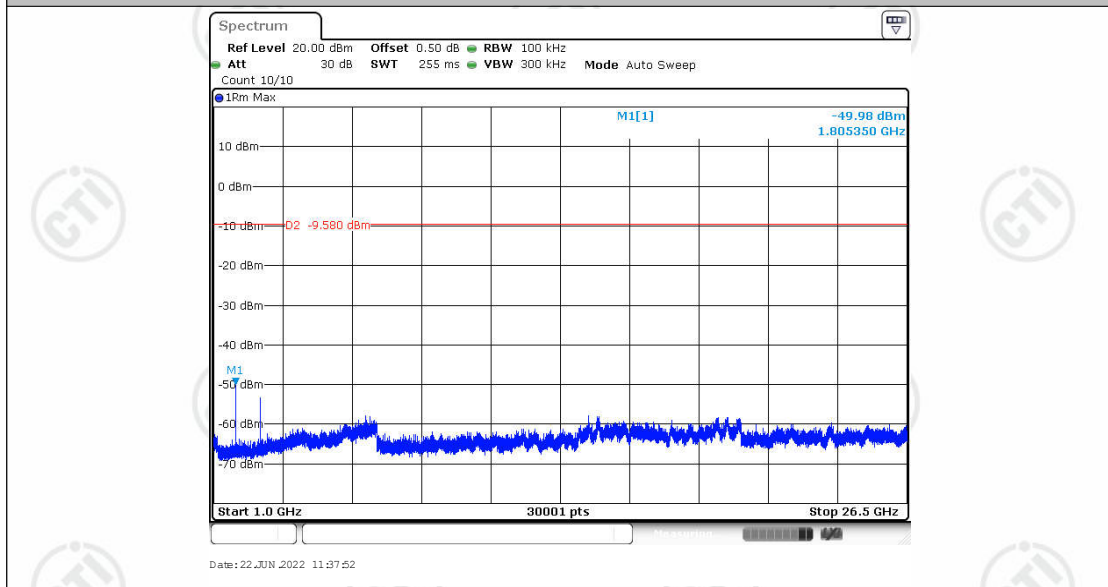
BW500K_Ant1_914.2_1000~26500



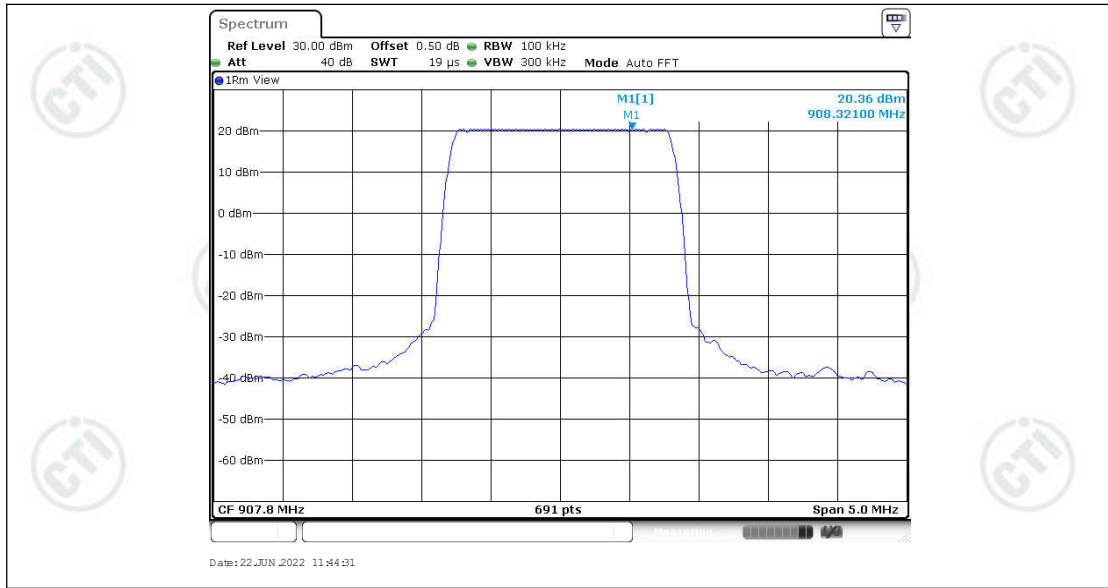
BW1523.4K_Ant1_903_0-Reference



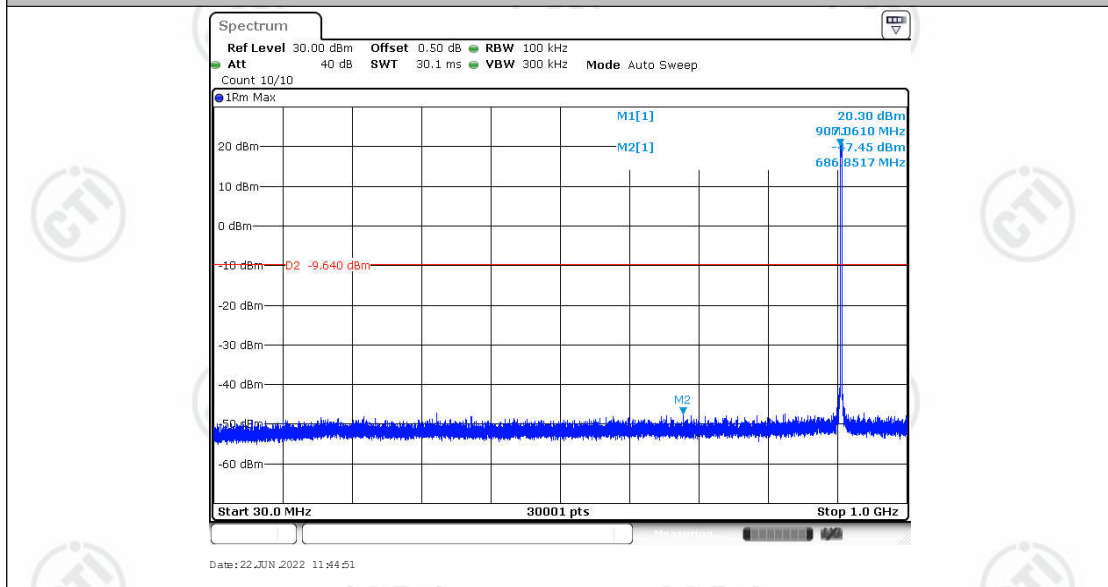
BW1523.4K_Ant1_903_30~1000



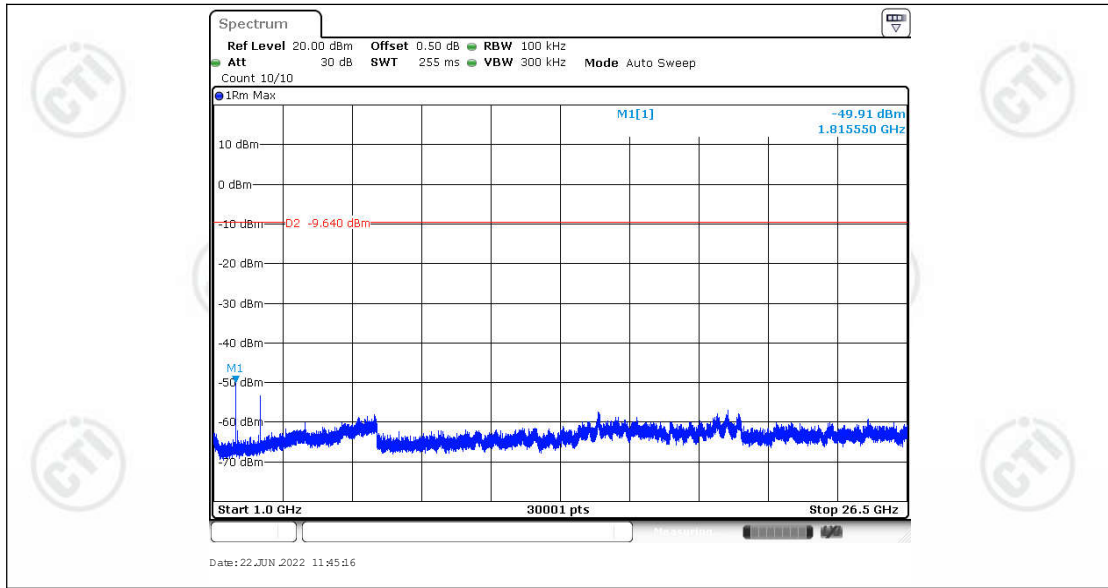
BW1523.4K_Ant1_903_1000~26500



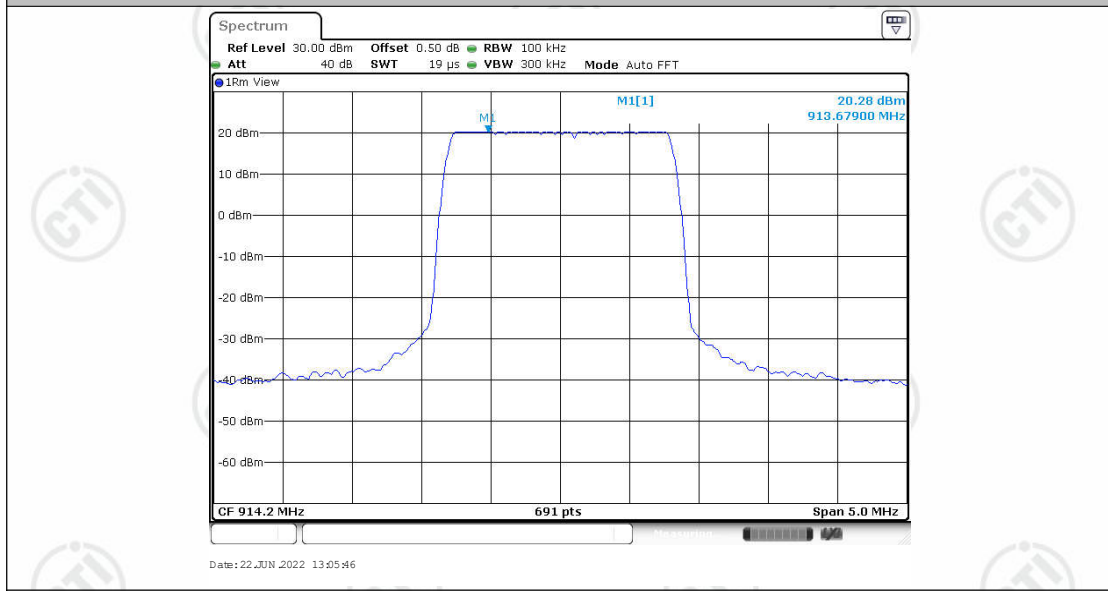
BW1523.4K_Ant1_907.8_0~Reference



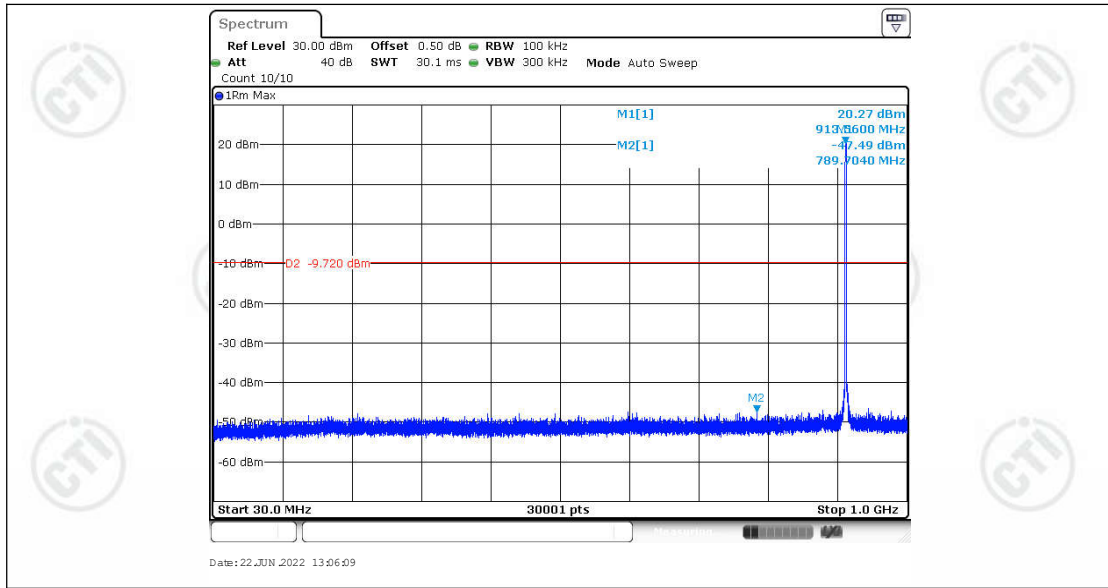
BW1523.4K_Ant1_907.8_30~1000



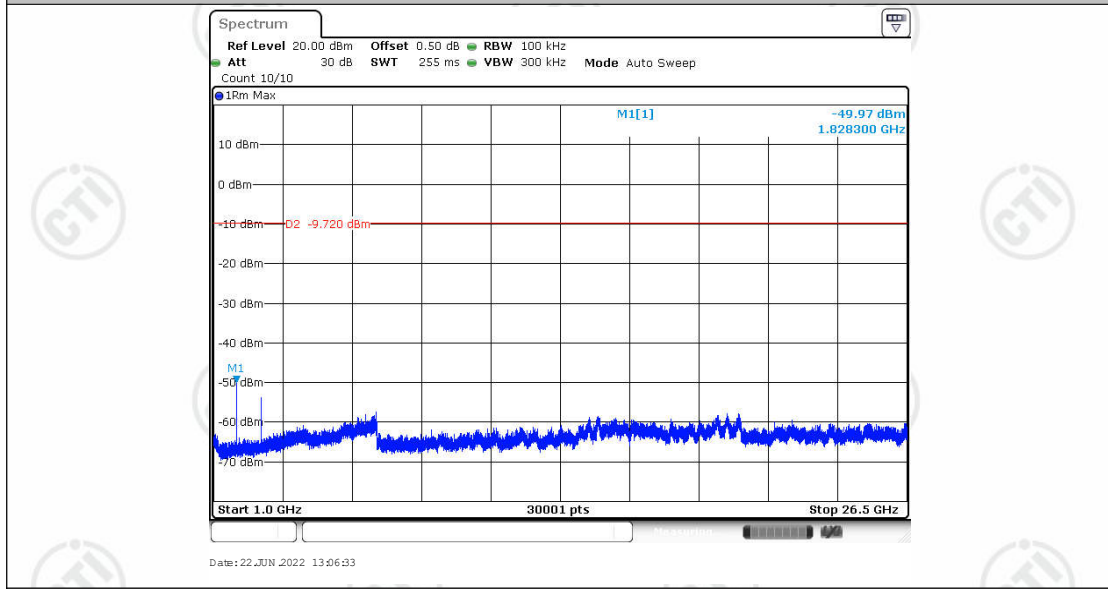
BW1523.4K_Ant1_907.8_1000~26500



BW1523.4K_Ant1_914.2_0~Reference



BW1523.4K_Ant1_914.2_30~1000

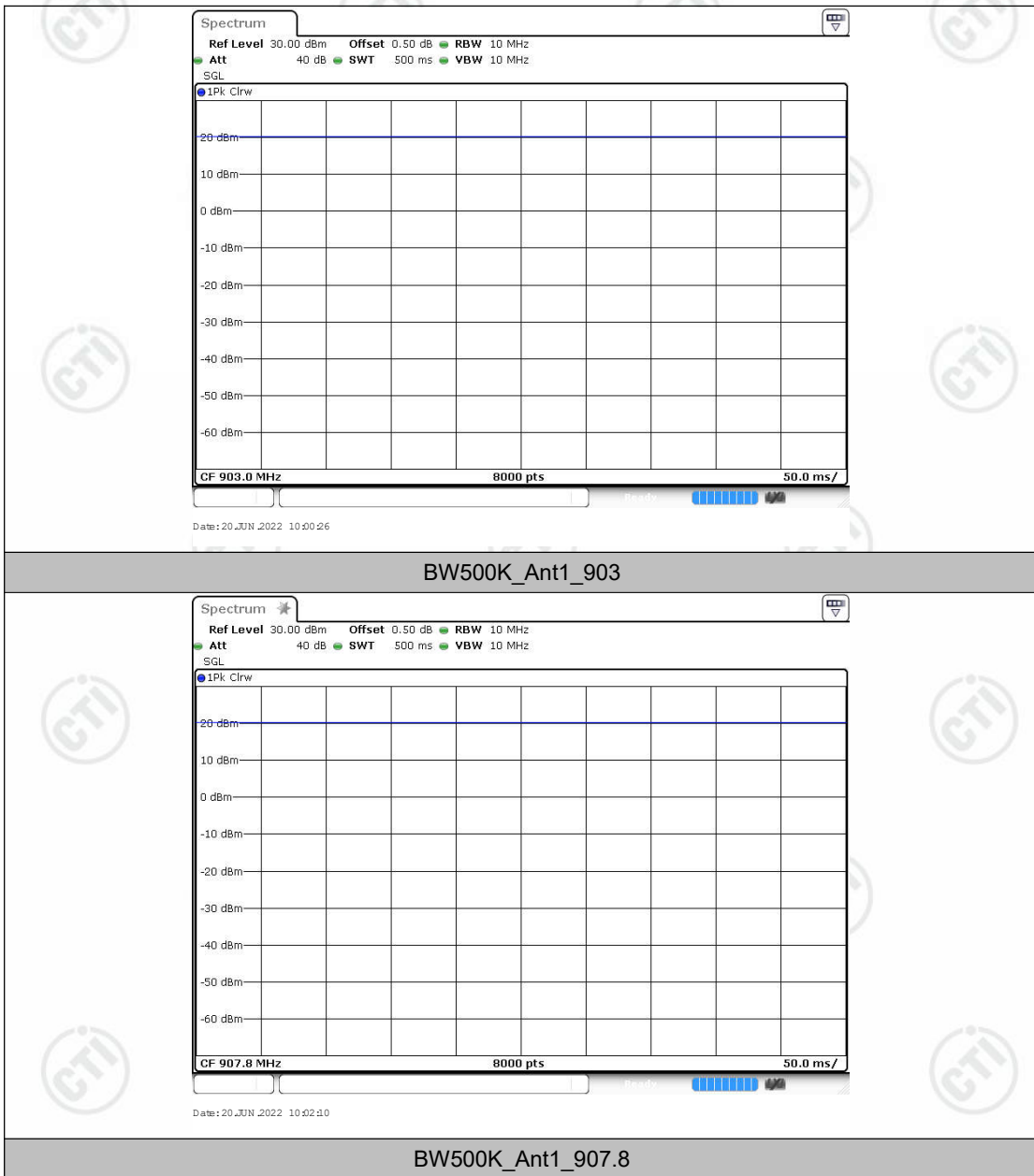


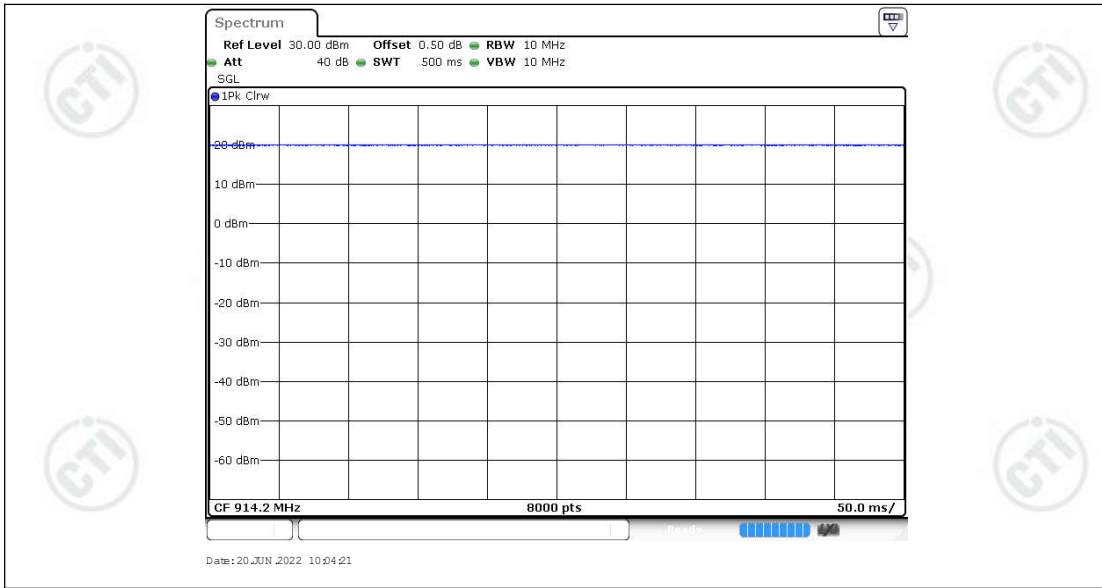
BW1523.4K_Ant1_914.2_1000~26500

Appendix G: Duty Cycle**Test Result**

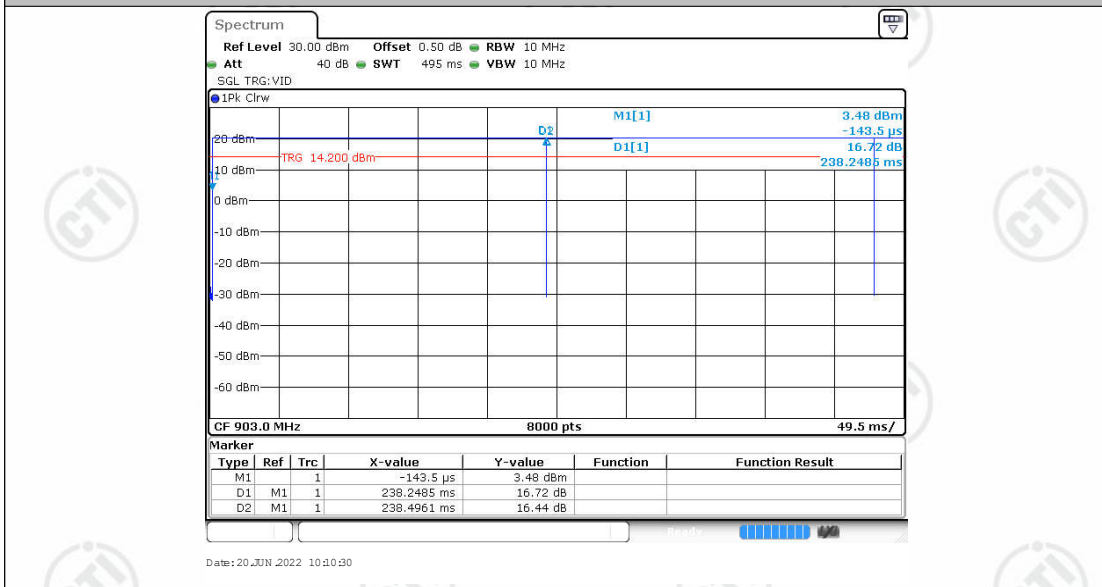
Test Mode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Limit	Verdict
BW500K	Ant1	903	500.00	500.00	100.00	---	PASS
		907.8	500.00	500.00	100.00	---	PASS
		914.2	500.00	500.00	100.00	---	PASS
BW1523.4K	Ant1	903	238.25	238.50	99.90	---	PASS
		907.8	238.25	238.50	99.90	---	PASS
		914.2	238.25	238.50	99.90	---	PASS

Test Graphs

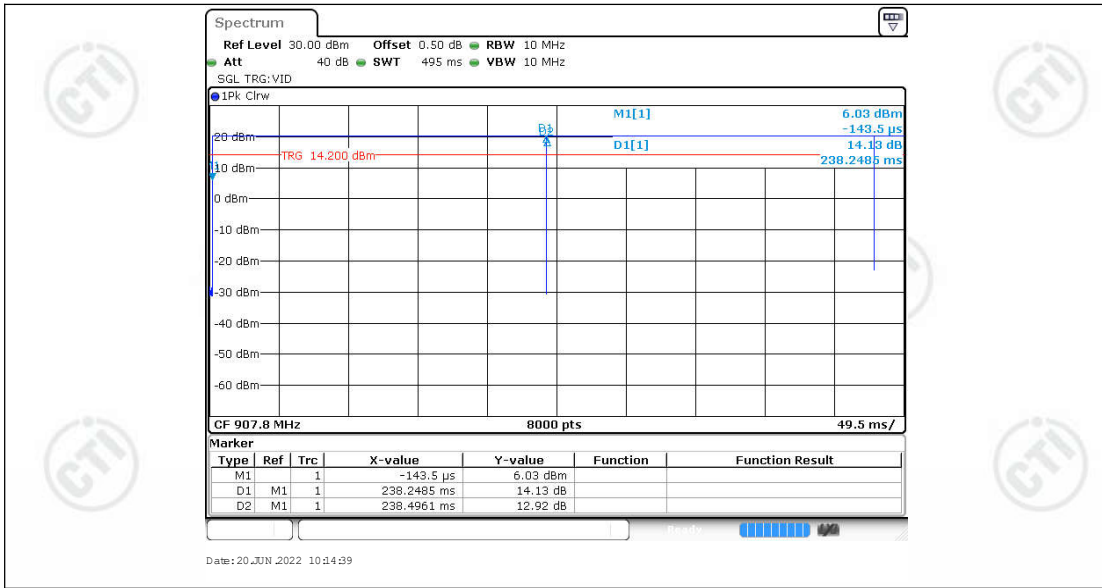




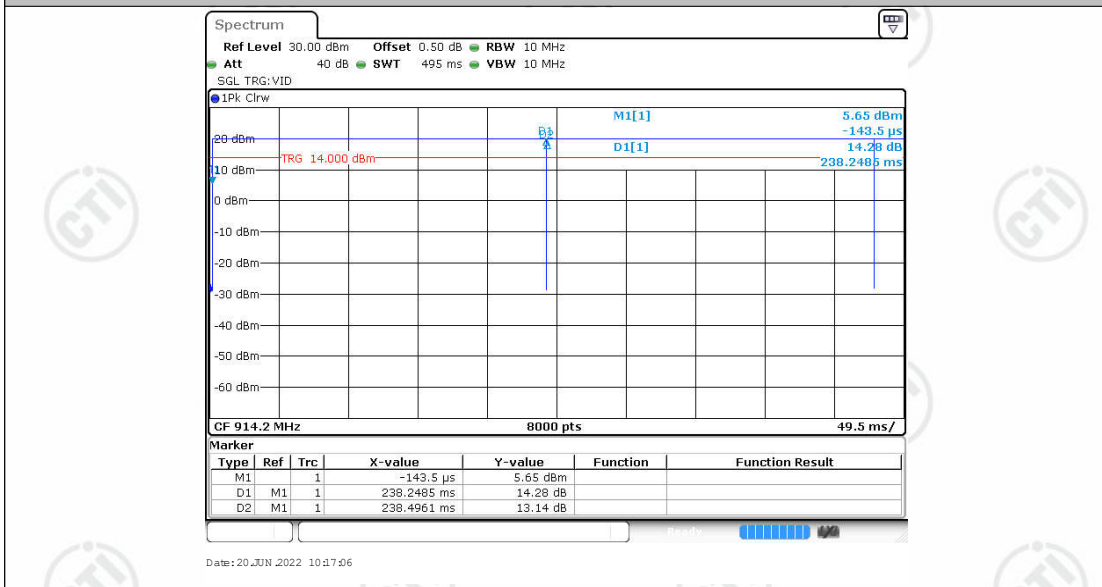
BW500K_Ant1_914.2



BW1523.4K_Ant1_903



BW1523.4K_Ant1_907.8



BW1523.4K_Ant1_914.2

*** End of Report ***