

Appendix for 902.5-926.6MHz

Product Name: Meshify Defender Slim

Model No: LDMX001

Appendix A: DTS Bandwidth

Test Result

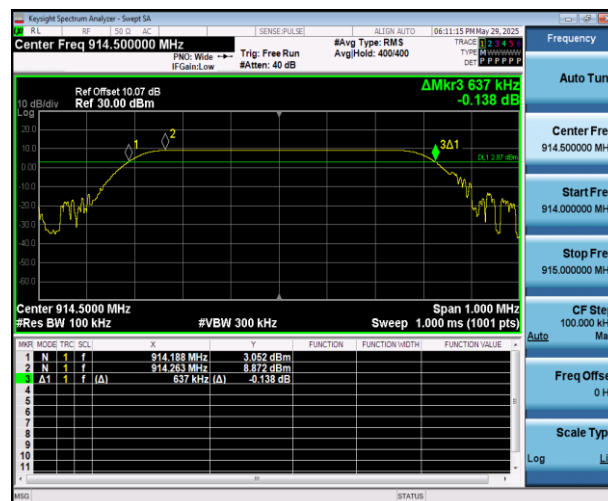
TestMode	Antenna	Freq(MHz)	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
LORA_DTS	Ant1		0.620	902.199	902.819	0.5	PASS
			0.637	914.188	914.825	0.5	PASS
			0.637	926.188	926.825	0.5	PASS

Test Graphs

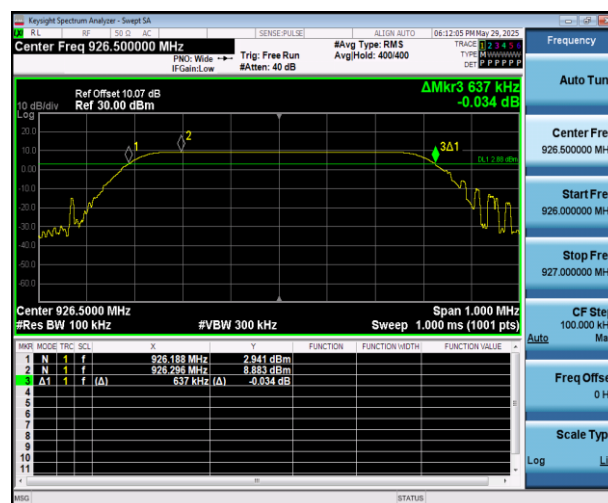
LORA_DTS_902.5



LORA_DTS_914.5



LORA_DTS_926.5

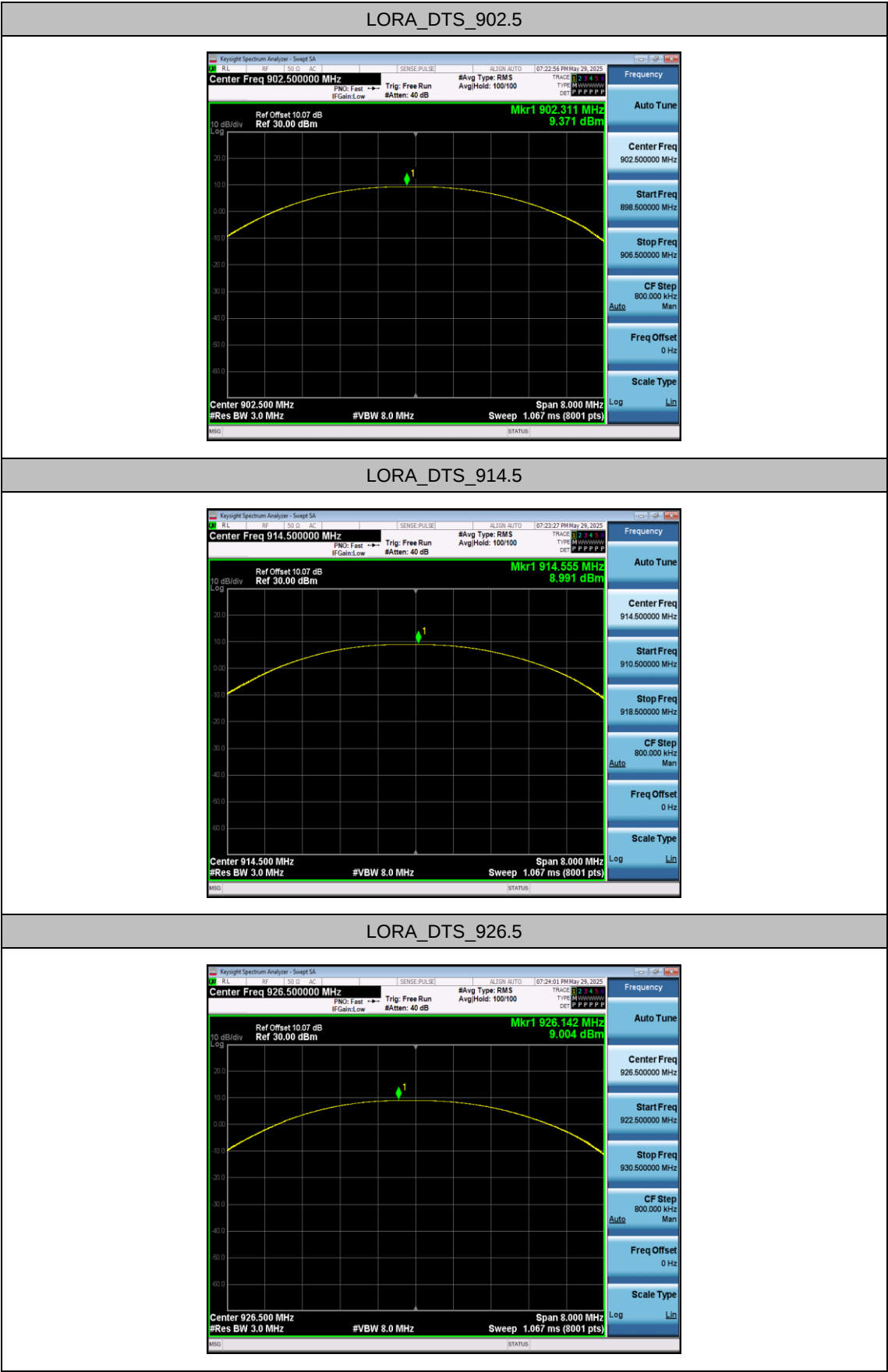


Appendix B: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Freq(MHz)	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
LORA_DTS	Ant1	902.5	9.37	≤30	PASS
		914.5	8.99	≤30	PASS
		926.5	9.00	≤30	PASS

Test Graphs Peak



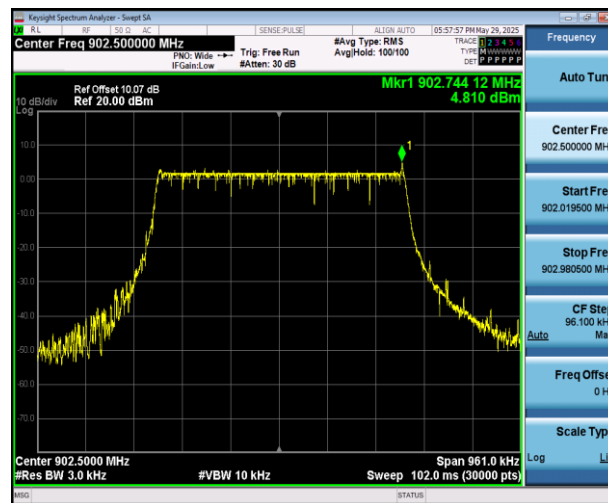
Appendix C: Maximum power spectral density

Test Result

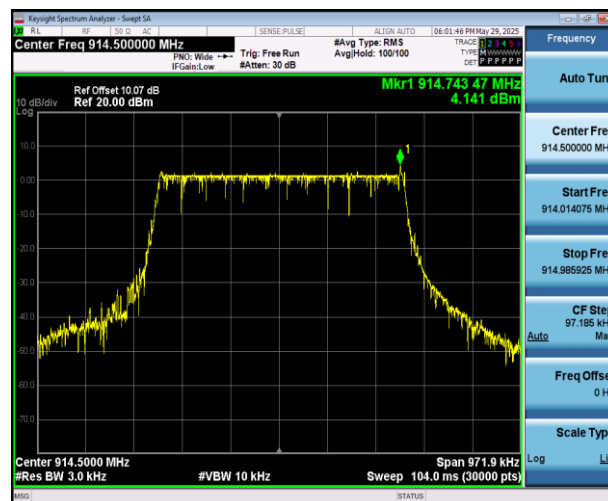
TestMode	Antenna	Freq(MHz)	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
LORA_DTS	Ant1		4.81	≤8.00	PASS
			4.14	≤8.00	PASS
			3.16	≤8.00	PASS

Test Graphs

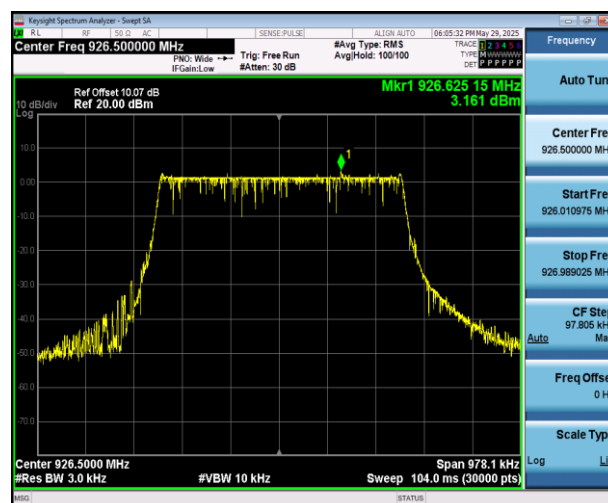
LORA_DTS_902.5



LORA_DTS_914.5



LORA_DTS_926.5



ppendix D: Reference level measurement**Test Result**

TestMode	Antenna	Freq(MHz)	Max.Point[MHz]	Result[dBm]
LORA_DTS	Ant1		902.30	9.17
			914.31	8.80
			926.27	8.83

Test Graphs

LORA_DTS_902.5



LORA_DTS_914.5



LORA_DTS_926.5



Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Freq (MHz)	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
LORA_DTS	Ant1			9.29	-33.59	≤-10.71	PASS
				8.84	-40.93	≤-11.16	PASS

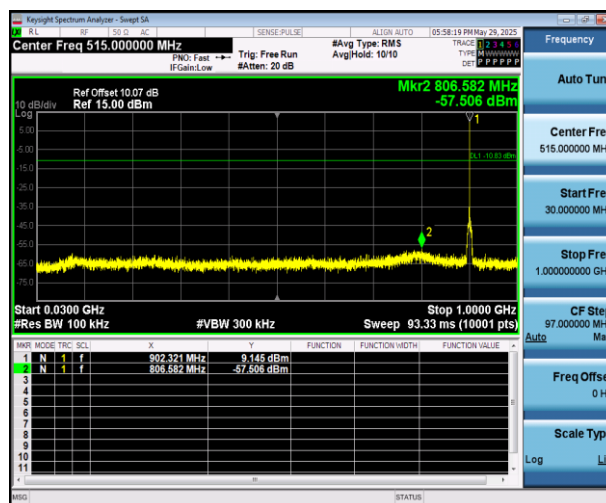
Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Freq (MHz)	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
LORA_DTS	Ant1	902.5	30~1000	9.17	-57.51	≤-10.83	PASS
			1000~26500	9.17	-42.12	≤-10.83	PASS
		914.5	30~1000	8.80	-57.51	≤-11.2	PASS
			1000~26500	8.80	-43.52	≤-11.2	PASS
		926.5	30~1000	8.83	-57.31	≤-11.17	PASS
			1000~26500	8.83	-44.27	≤-11.17	PASS

Test Graphs

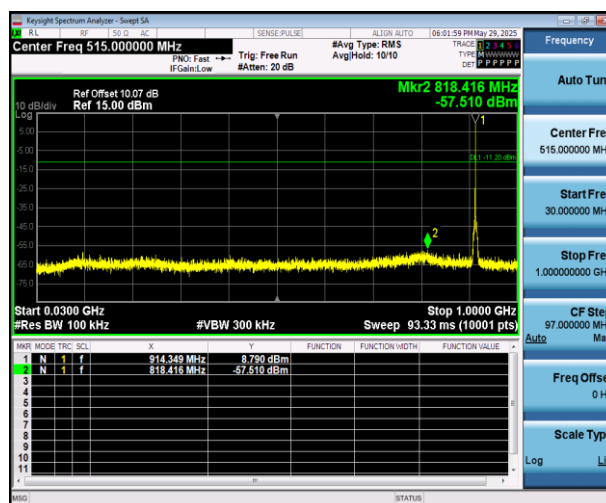
LORA_DTS_902.5_30~1000



LORA_DTS_902.5_1000~26500



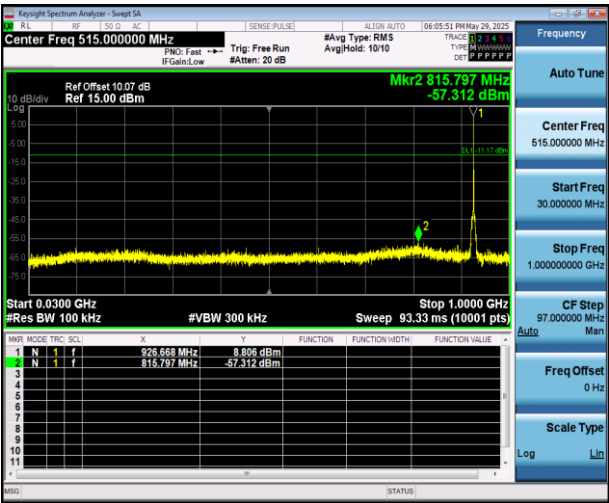
LORA_DTS_914.5_30~1000



LORA_DTS_914.5_1000~26500



LORA_DTS_926.5_30~1000



LORA_DTS_926.5_1000~26500

