

Appendix: LoRa(DTS) 500KHz

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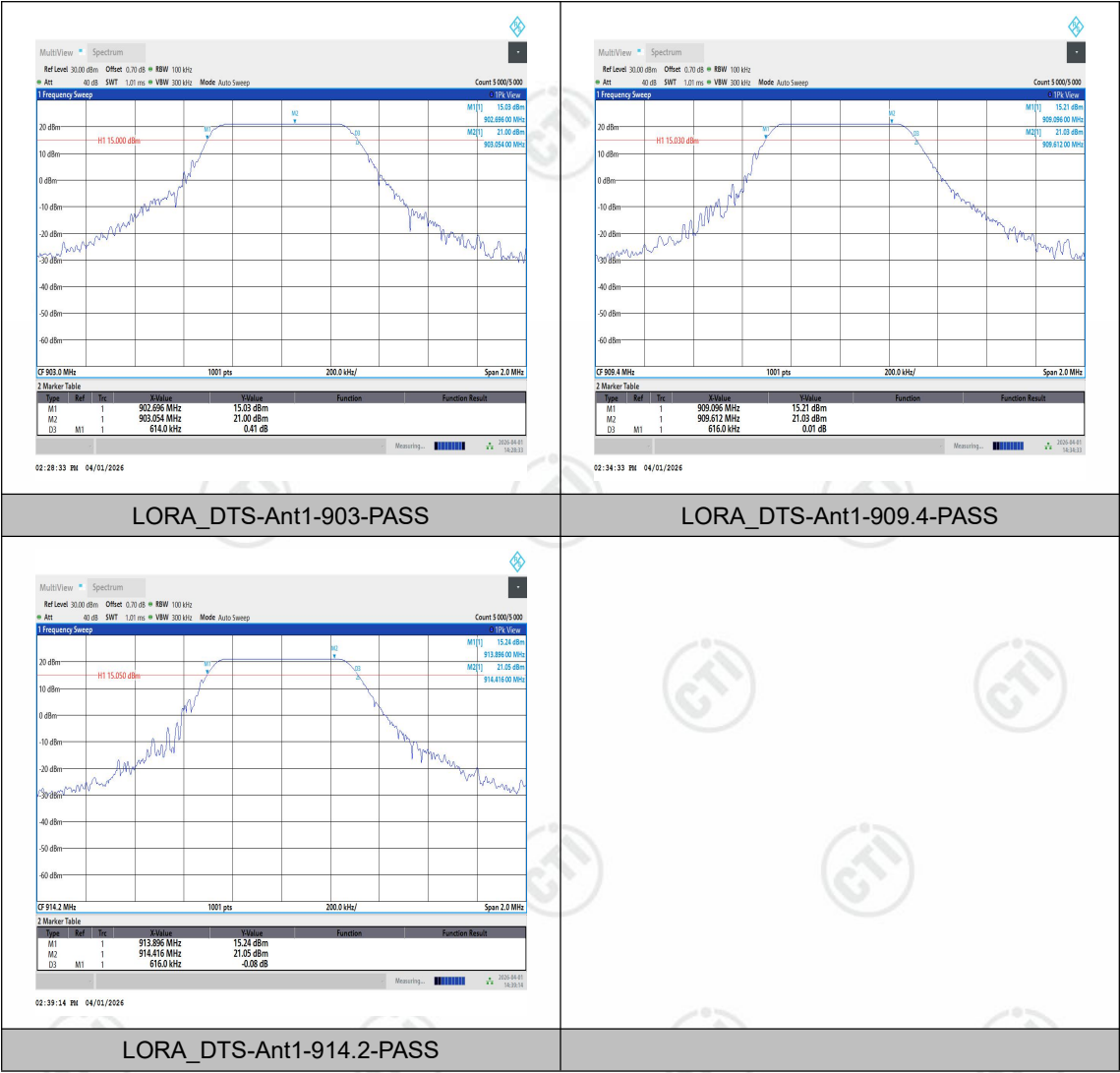
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Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency [MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
LORA_DTS	Ant1	903	0.61	902.70	903.31	0.5	PASS
LORA_DTS	Ant1	909.4	0.62	909.10	909.71	0.5	PASS
LORA_DTS	Ant1	914.2	0.62	913.90	914.51	0.5	PASS

Test Graphs

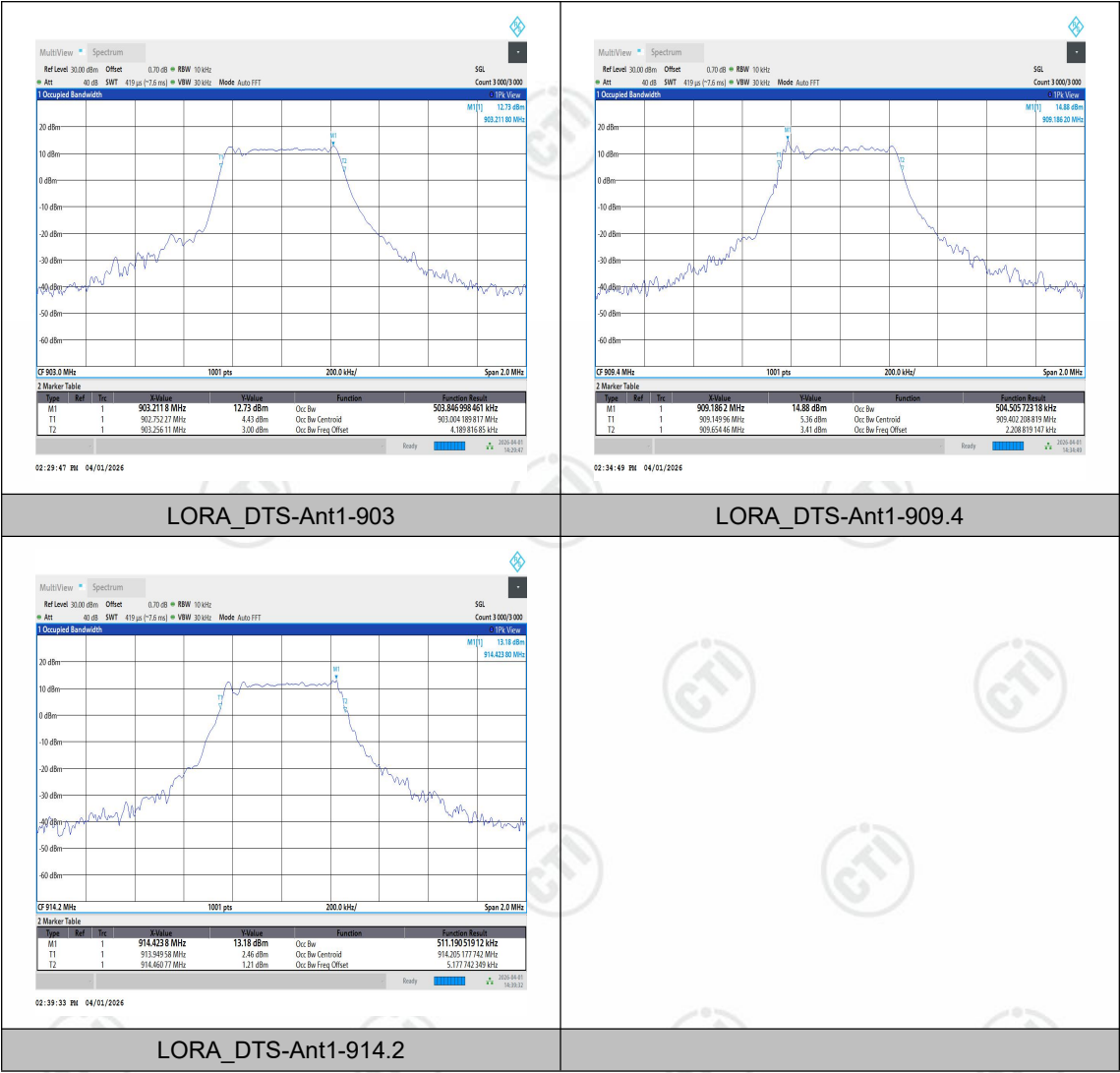


Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
LORA_DTS	Ant1	903	0.50385	902.7523	903.2561	---	---
LORA_DTS	Ant1	909.4	0.50451	909.1500	909.6545	---	---
LORA_DTS	Ant1	914.2	0.51119	913.9496	914.4608	---	---

Test Graphs

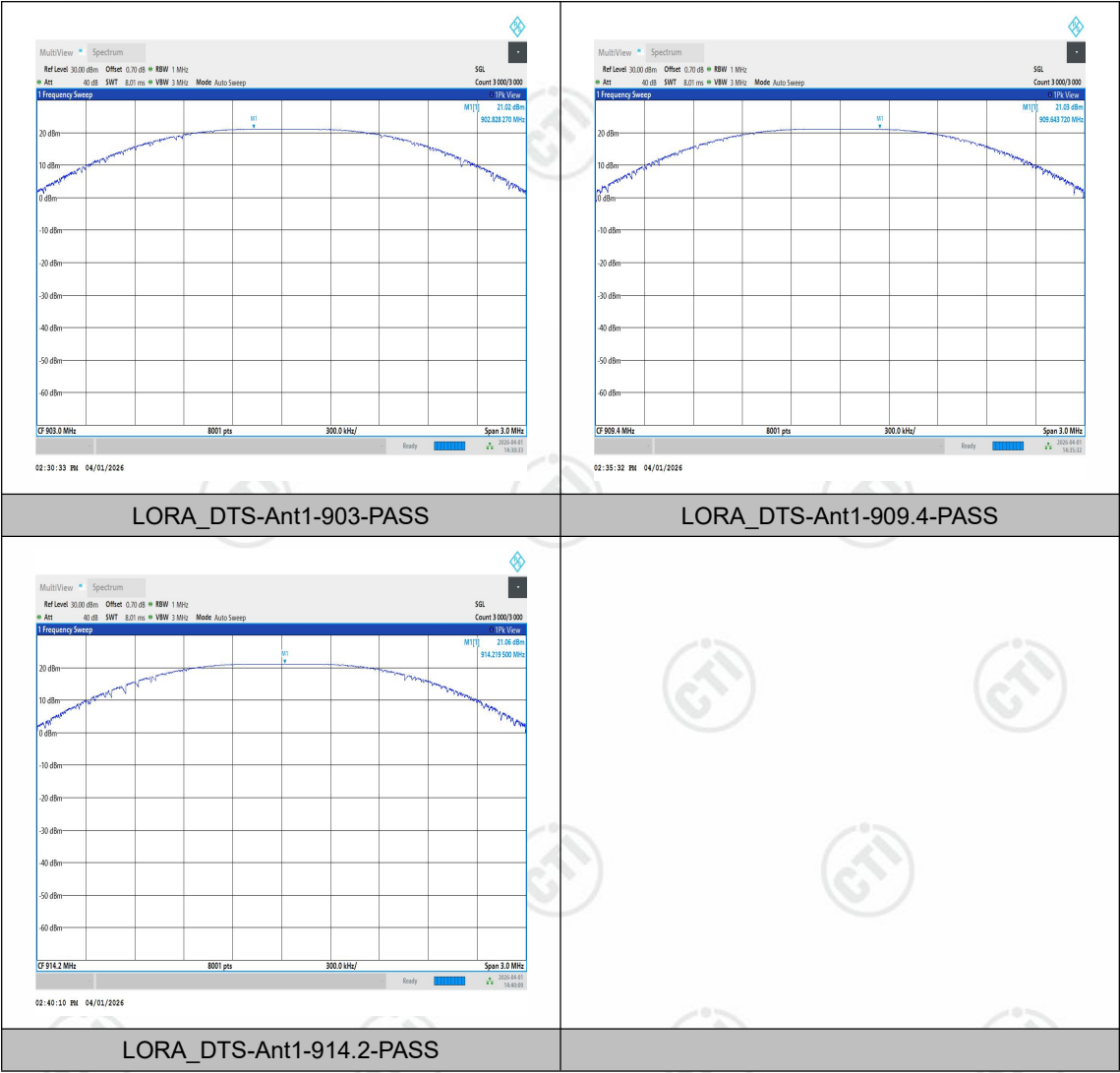


Appendix C: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequenc y[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
LORA_DTS	Ant1	903	21.02	≤30	PASS
LORA_DTS	Ant1	909.4	21.03	≤30	PASS
LORA_DTS	Ant1	914.2	21.06	≤30	PASS

Test Graphs Peak

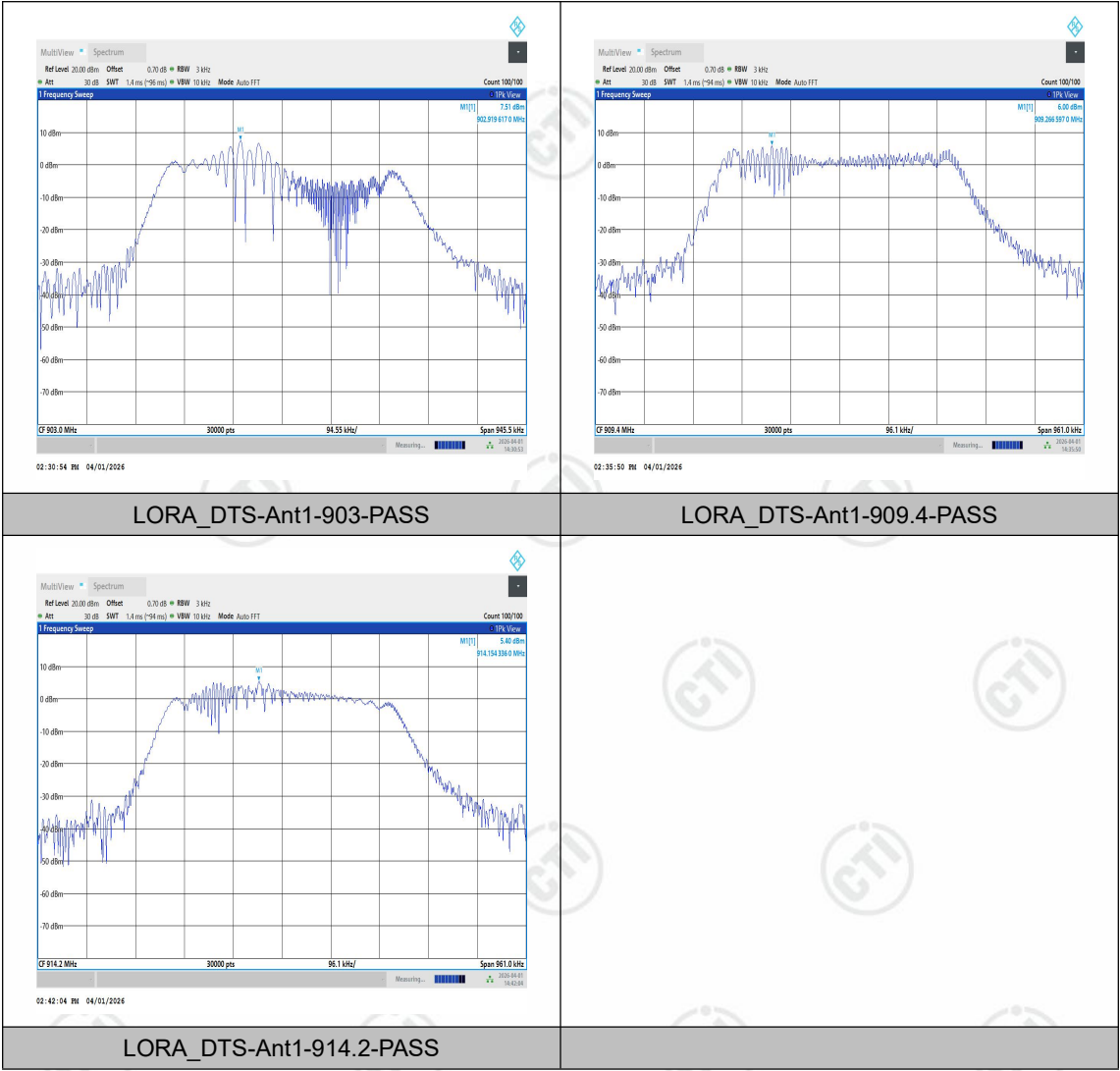


Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
LORA_DTS	Ant1	903	7.51	≤8.00	PASS
LORA_DTS	Ant1	909.4	6.00	≤8.00	PASS
LORA_DTS	Ant1	914.2	5.40	≤8.00	PASS

Test Graphs

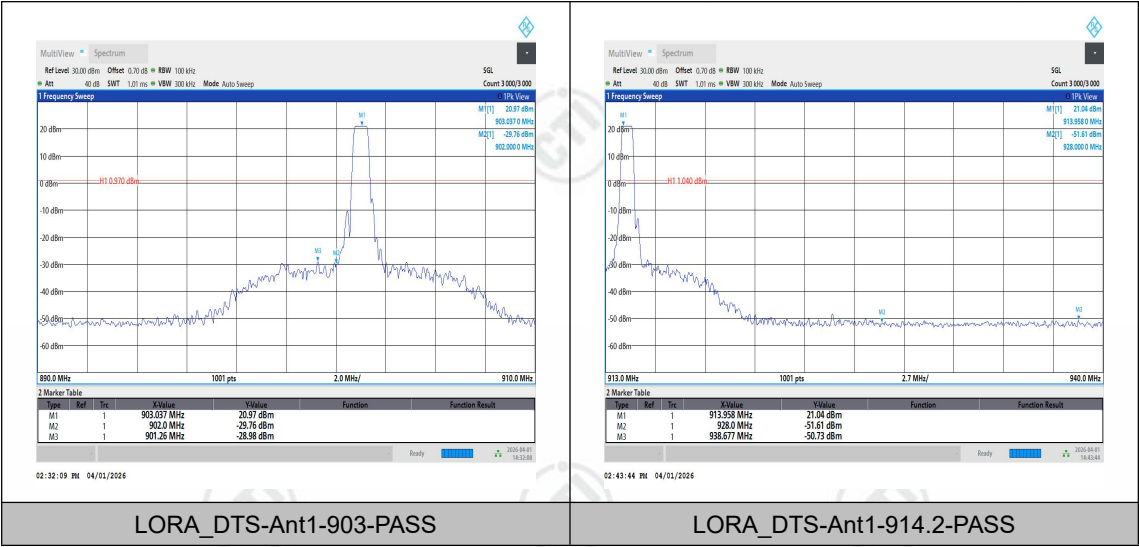


Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Frequency [MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
LORA_DTS	Ant1	Low	903	20.97	-28.98	≤0.97	PASS
LORA_DTS	Ant1	High	914.2	21.04	-50.73	≤1.04	PASS

Test Graphs

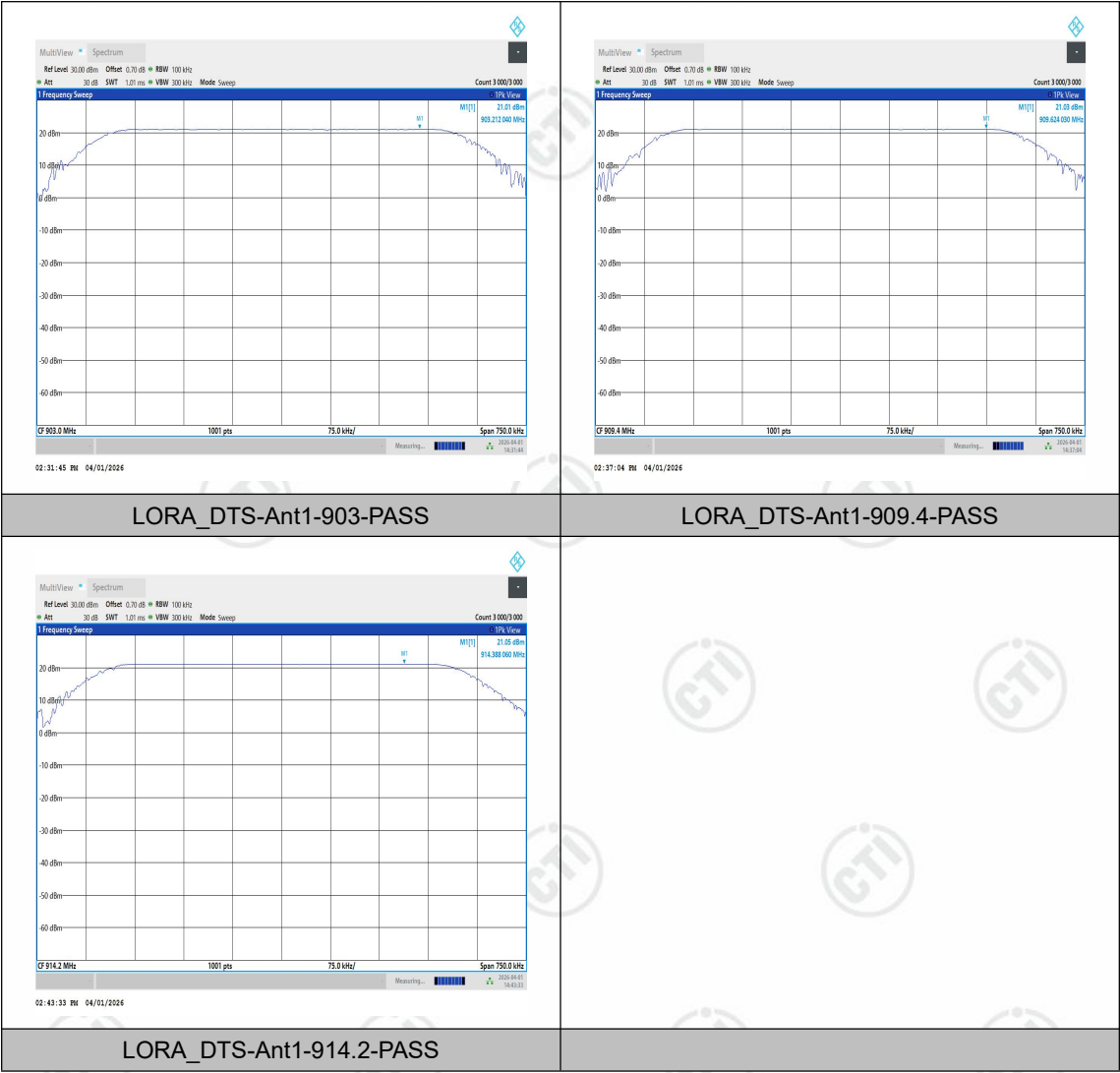


ppendix E: Reference level measurement

Test Result

TestMode	Antenna	Frequency [MHz]	Result[dBm]	Limit[dBm]	Verdict
LORA_DTS	Ant1	903	21.01	---	PASS
LORA_DTS	Ant1	909.4	21.03	---	PASS
LORA_DTS	Ant1	914.2	21.05	---	PASS

Test Graphs



Appendix G: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency [MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
LORA_DTS	Ant1	903	30~1000	21.01	-48.29	≤1.01	PASS
LORA_DTS	Ant1	903	1000~26500	21.01	-42.74	≤1.01	PASS
LORA_DTS	Ant1	909.4	30~1000	21.03	-48.82	≤1.03	PASS
LORA_DTS	Ant1	909.4	1000~26500	21.03	-42.04	≤1.03	PASS
LORA_DTS	Ant1	914.2	30~1000	21.05	-47.9	≤1.05	PASS
LORA_DTS	Ant1	914.2	1000~26500	21.05	-42.82	≤1.05	PASS