

Appendix A

RF Test Data for Lora-DTS (902-928MHz DTS Mode)

Product Name: LoRa module

Trade Mark: RAK

Test Model: RAK4260(H)

FCC ID: 2AF6B-RAK4260H

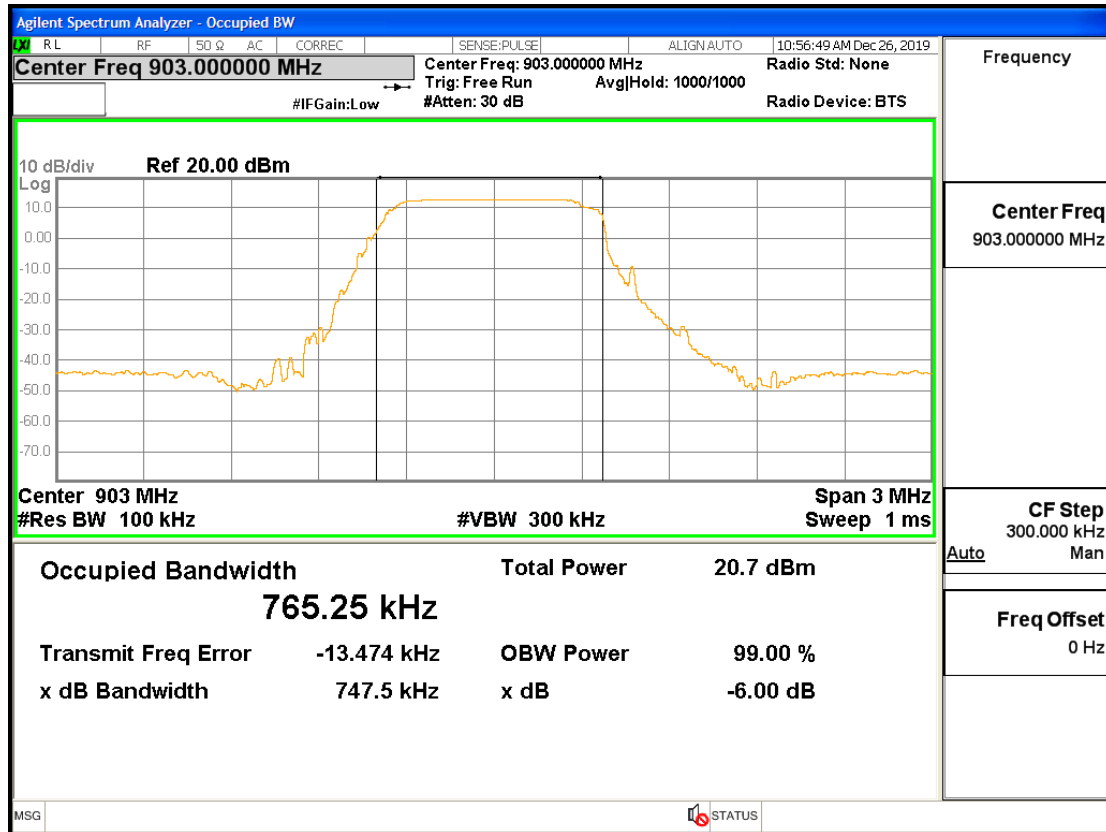
Environmental Conditions

Temperature:	24.5° C
Relative Humidity:	60%
ATM Pressure:	100.0 kPa
Test Engineer:	Gary Qian
Supervised by:	Eden Hu

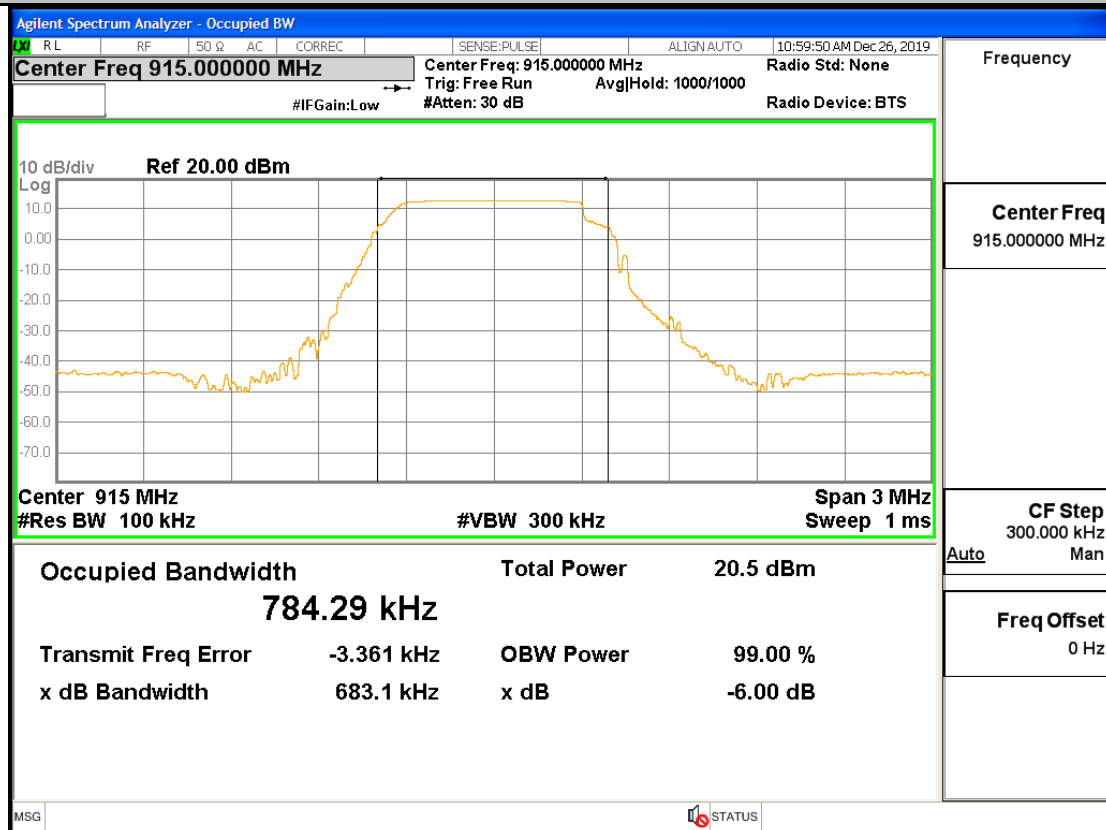
1.6dB Bandwidth

Test Mode	Test Channel	Ant	EBW[MHz]	Limit	Verdict
Lora-DTS	LCH	Ant1	0.748	0.5	PASS
Lora-DTS	MCH	Ant1	0.683	0.5	PASS
Lora-DTS	HCH	Ant1	0.686	0.5	PASS

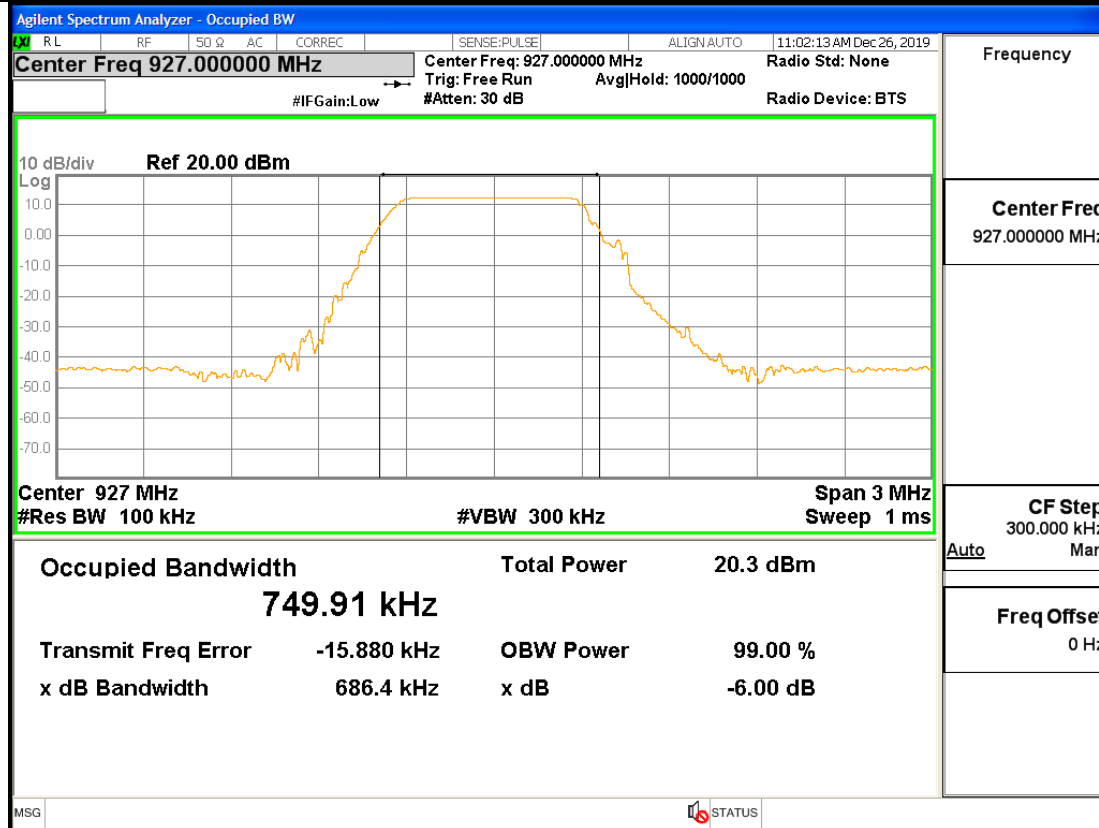
6dB Bandwidth_LCH_Ant1



6dB Bandwidth_MCH_Ant1



6dB Bandwidth_HCH_Ant1



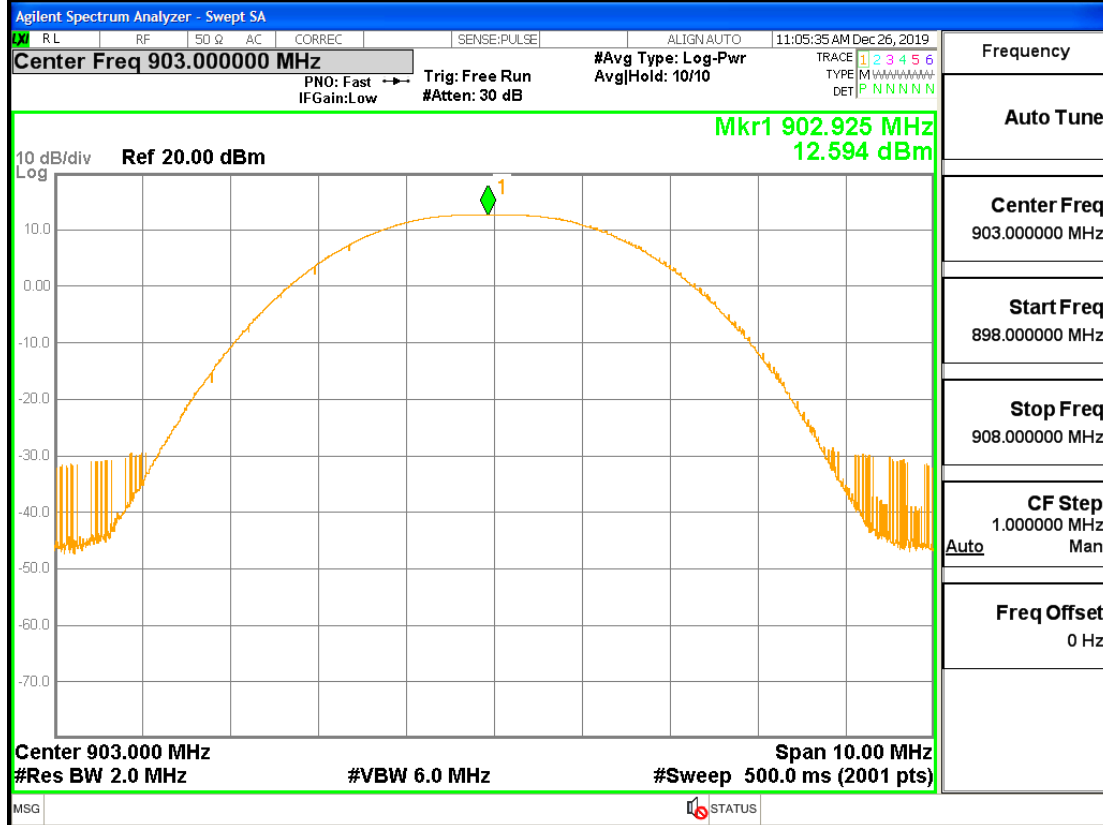
2.Occupied Bandwidth

Test Mode	Test Channel	Ant	OBW[MHz]	Limit[MHz]	Verdict
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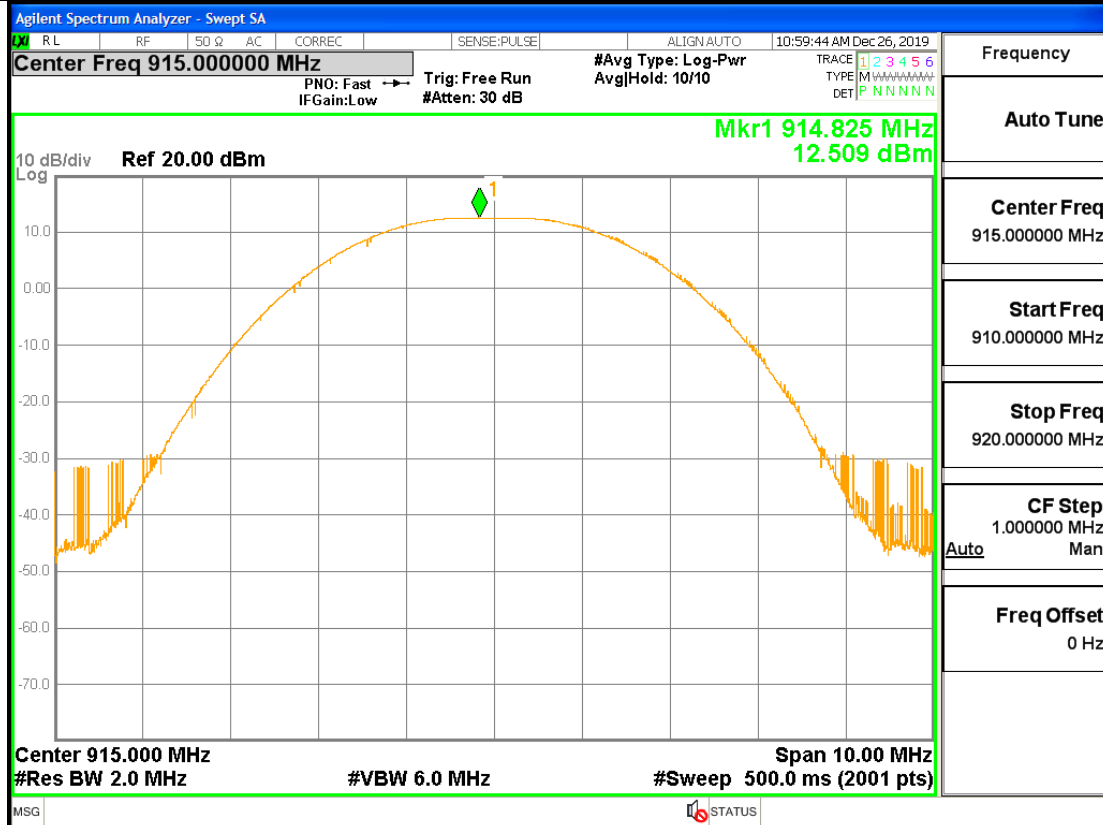
3.Maximum peak conducted output power

Test Mode	Channel	Ant	Power[dBm]	Limit[dBm]	Verdict
Lora-DTS	LCH	Ant1	12.594	30	PASS
Lora-DTS	MCH	Ant1	12.509	30	PASS
Lora-DTS	HCH	Ant1	12.341	30	PASS

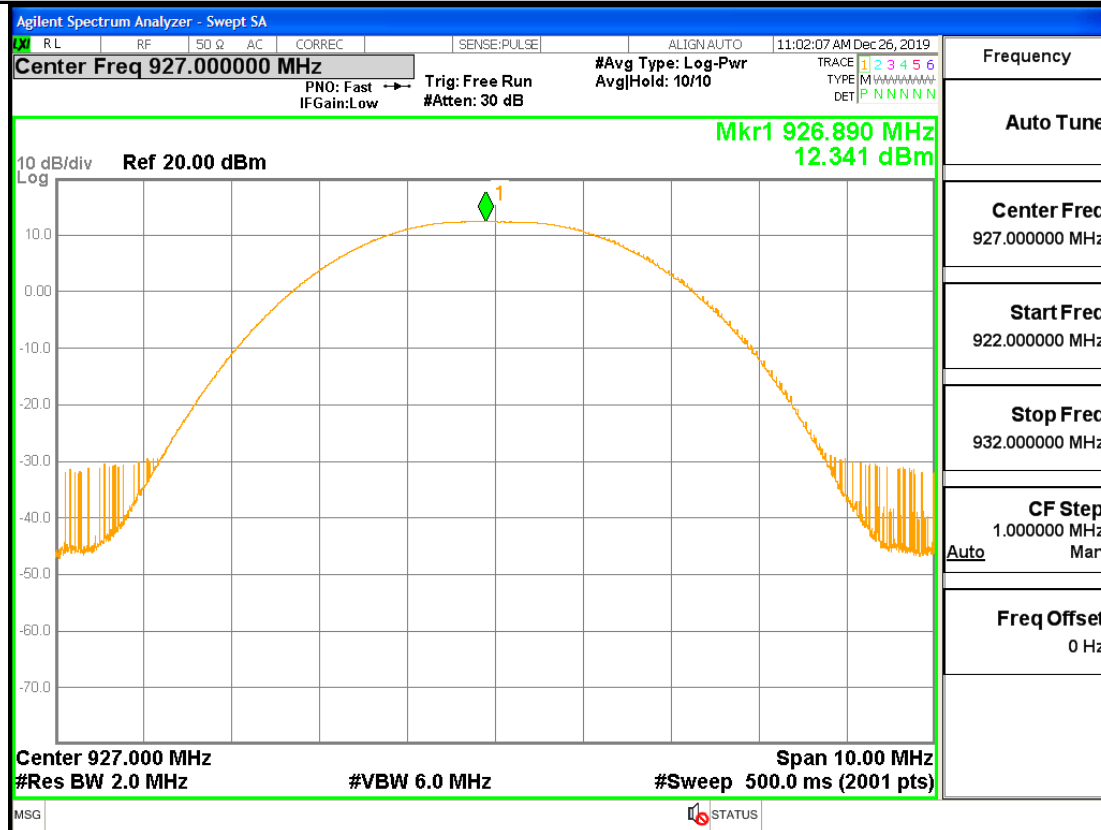
Maximum peak conducted output power_LCH_Ant1



Maximum peak conducted output power_MCH_Ant1



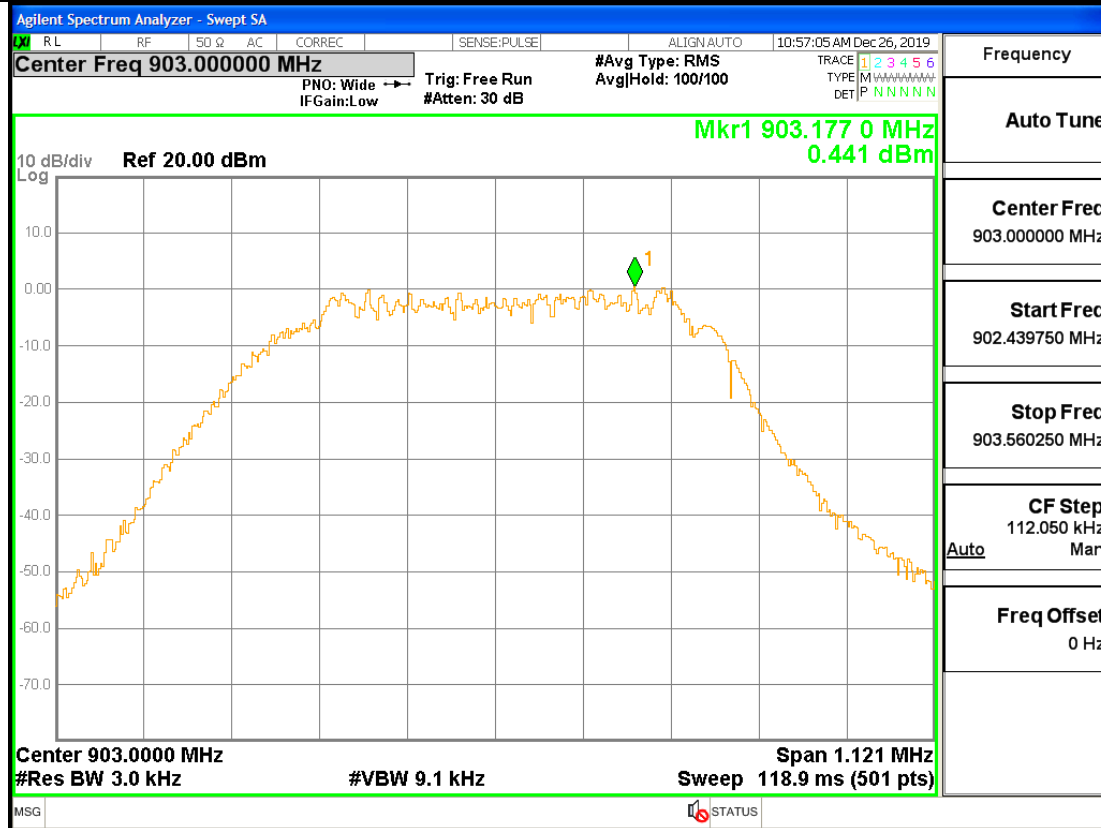
Maximum peak conducted output power_HCH_Ant1



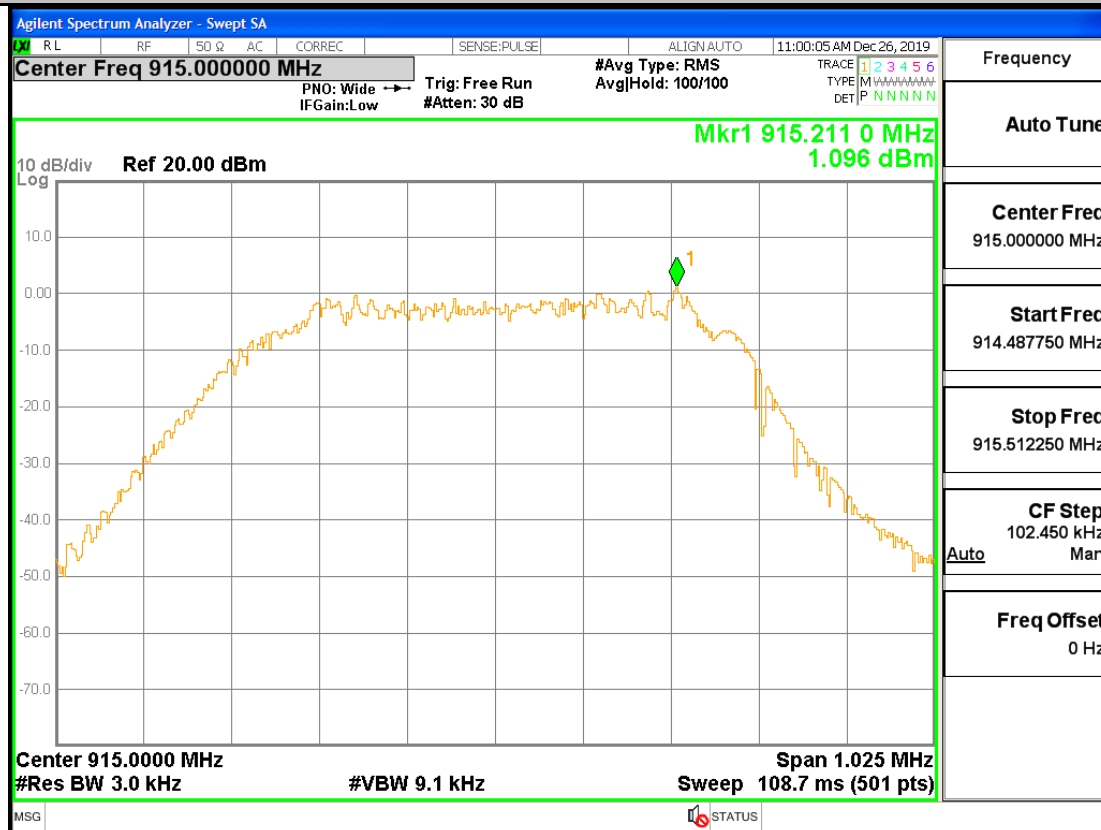
4.Maximum Peak power spectral density

Test Mode	Test Channel	Ant	PSD[dBm/3KHz]	Limit[dBm/3KHz]	Verdict
Lora-DTS	LCH	Ant1	0.441	8.00	PASS
Lora-DTS	MCH	Ant1	1.096	8.00	PASS
Lora-DTS	HCH	Ant1	0.984	8.00	PASS

Maximum Peak power spectral density_LCH_Ant1



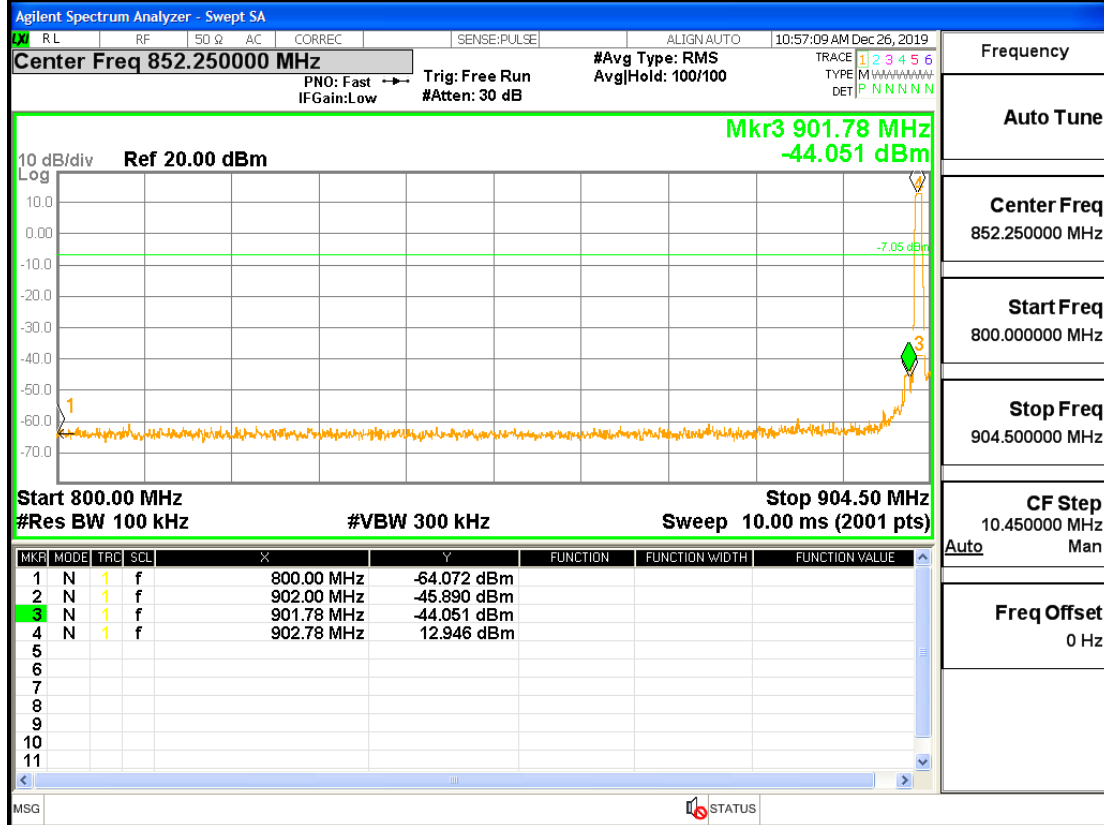
Maximum Peak power spectral density_MCH_Ant1



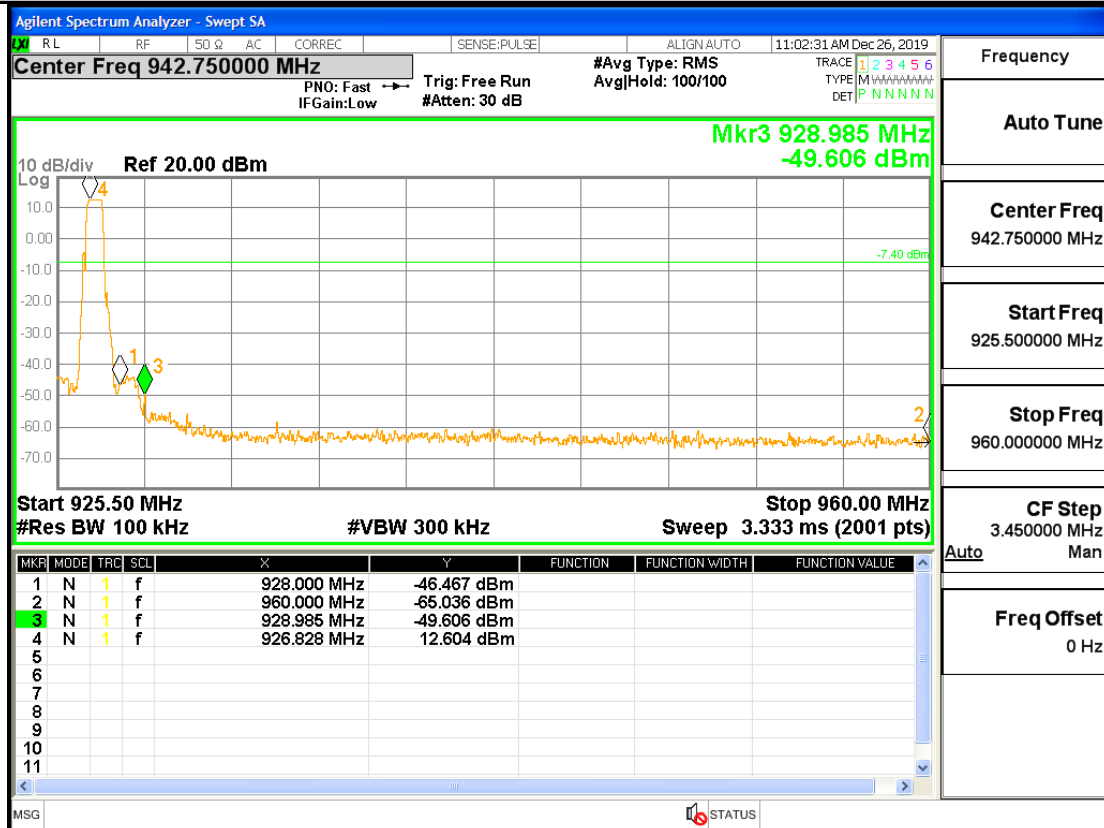
5.Band-edge for RF Conducted Emissions

Type	Carrier Frequency(MHz)	Frequency(MHz)	Carrier Frequency Power [dBm]	Bandedge Peak(dBm)	Upper limit(dBm)	Conclusion
Lora-DTS	903	901.783	12.946	-44.051	-7.054	Pass
Lora-DTS	927	928	12.604	-46.47	-7.396	Pass

Band-edge for RF Conducted Emissions_LCH_Ant1

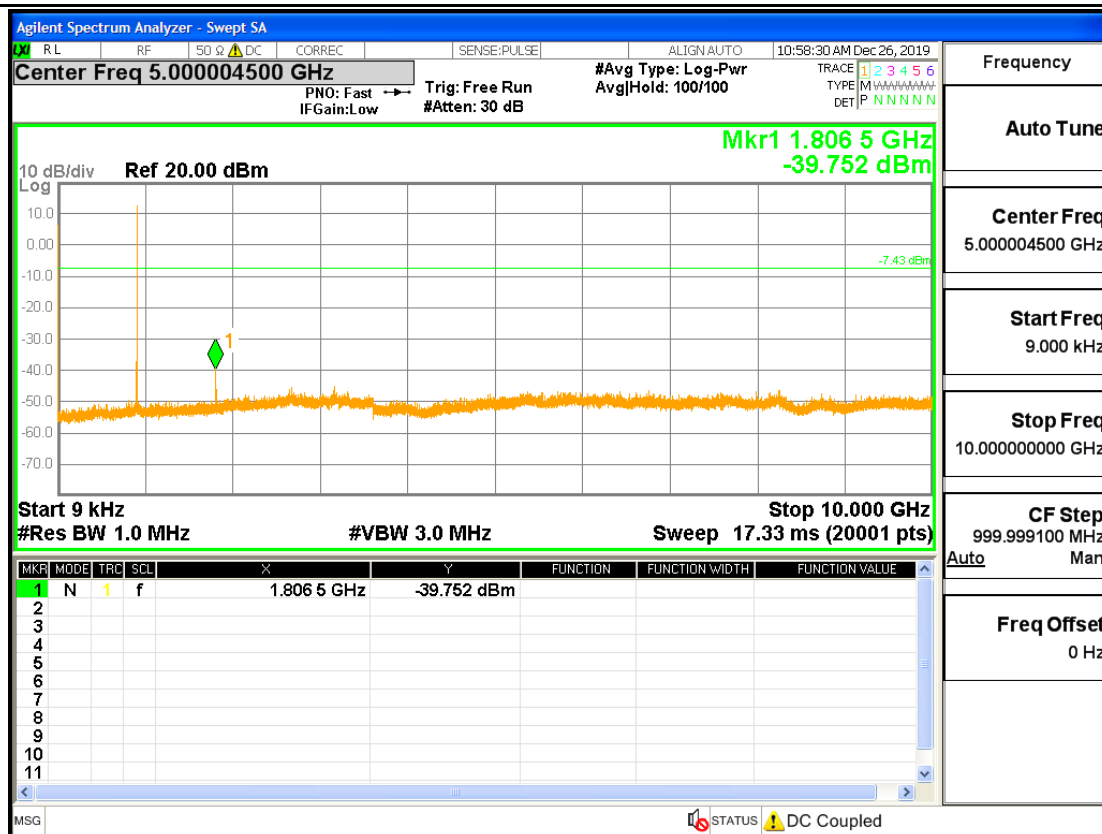
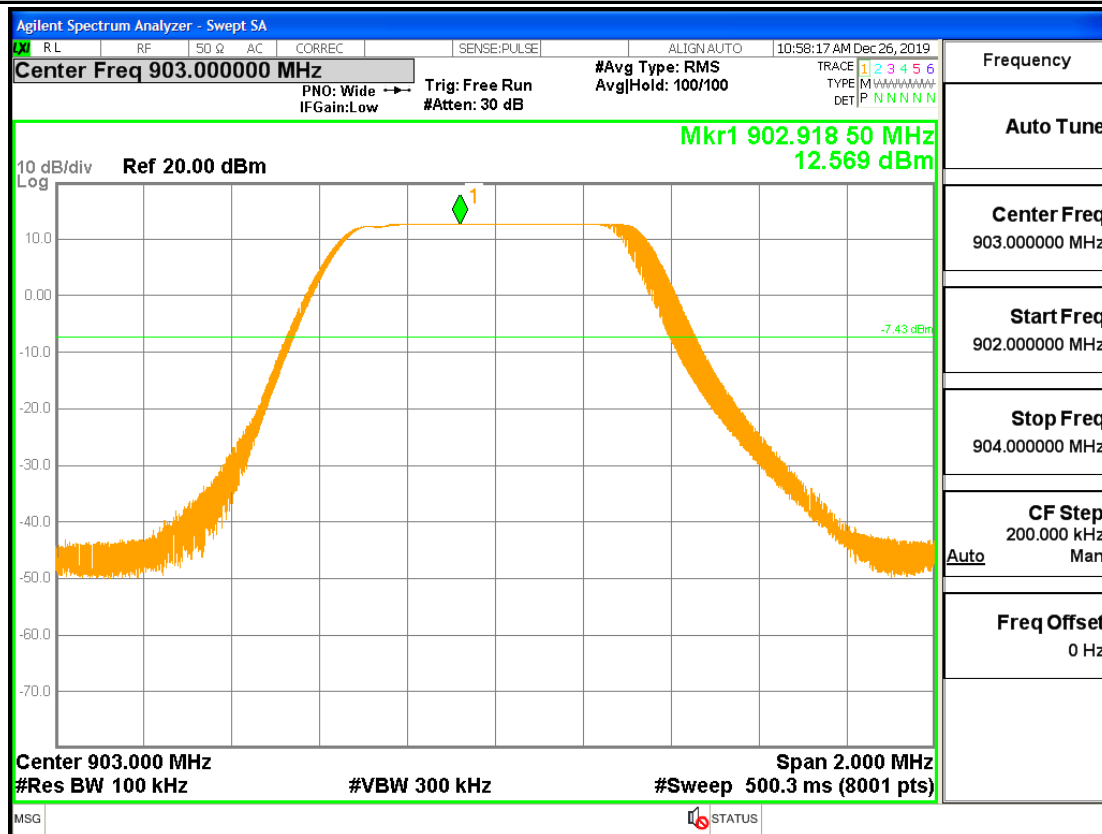


Band-edge for RF Conducted Emissions_HCH_Ant1

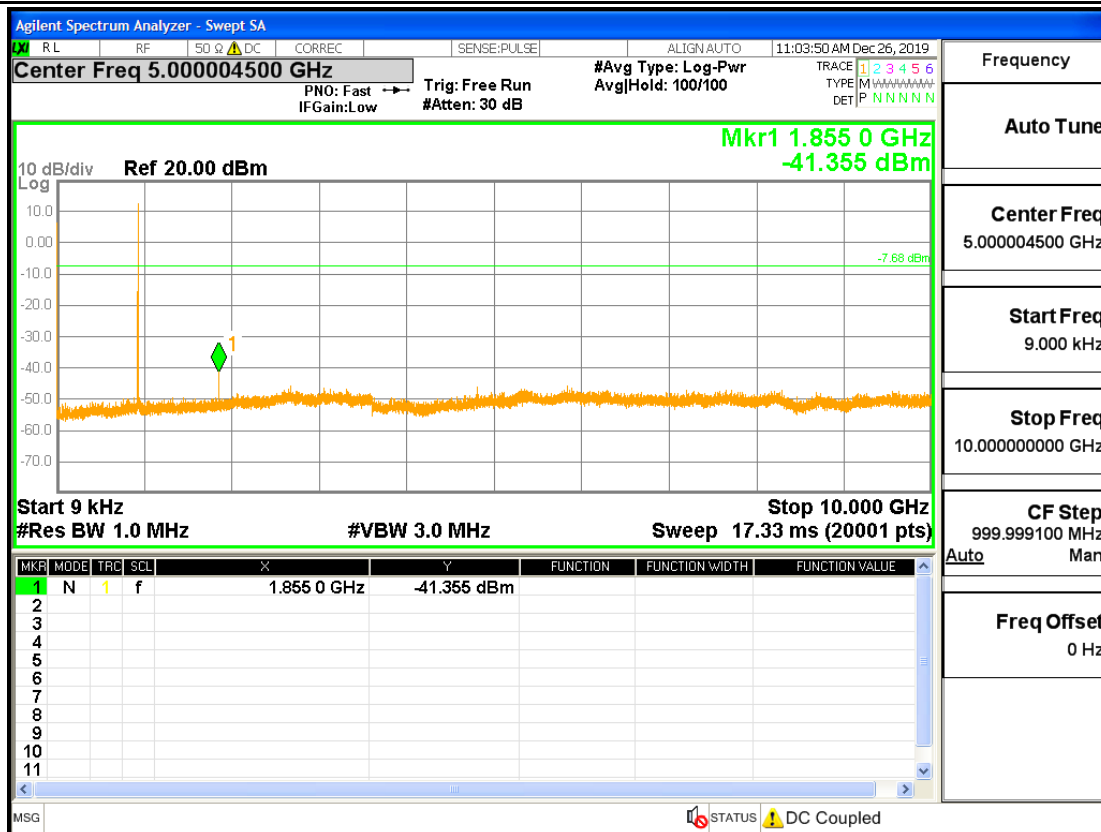
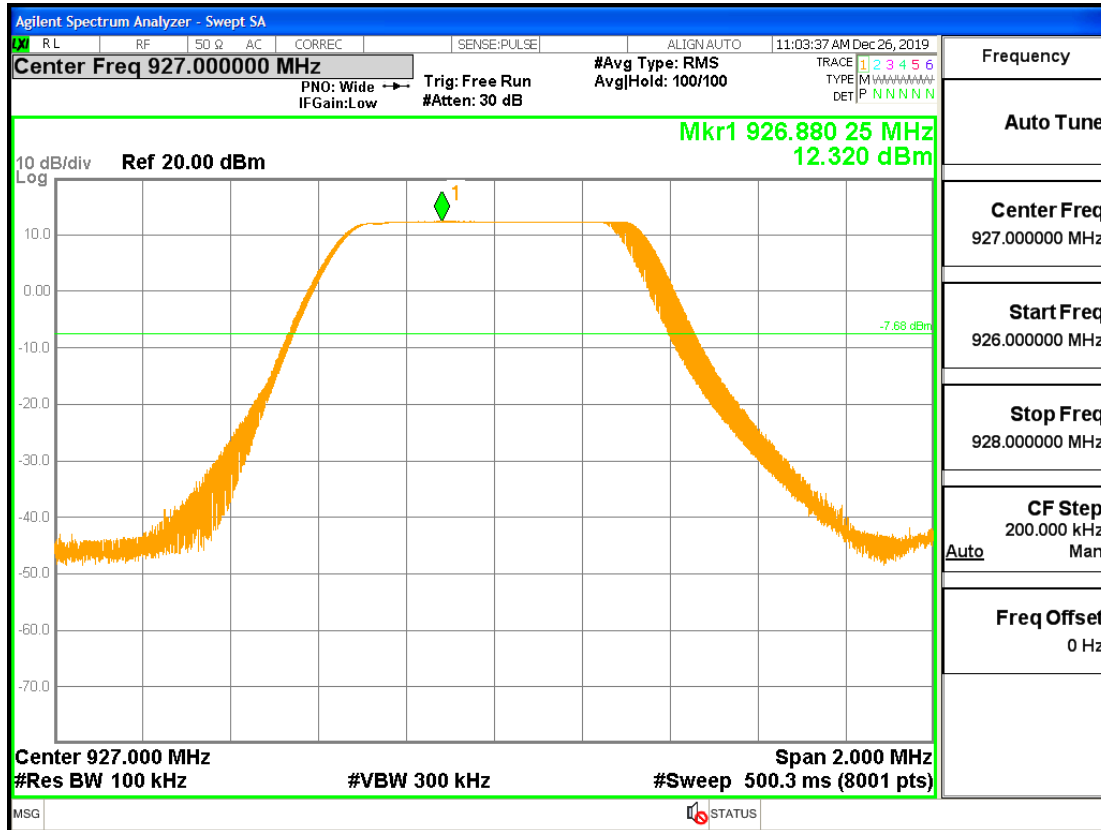


6.RF Conducted Spurious Emissions

RF Conducted Spurious Emissions_LCH_Ant1



RF Conducted Spurious Emissions_HCH_Ant1



8.Duty Cycle

Test Mode	Test Channel	Ant	Duty Cycle[%]	Verdict
BLE	915	Ant1	60.33	PASS

