

Appendix Test Data for BT(BDR/EDR) (Conducted Measurement)**Product Name: Smart Linux Gateway****Trade Mark: Dusun****Test Model: DSGW-091****FCC ID: 2AUXBDSGW-091****Environmental Conditions**

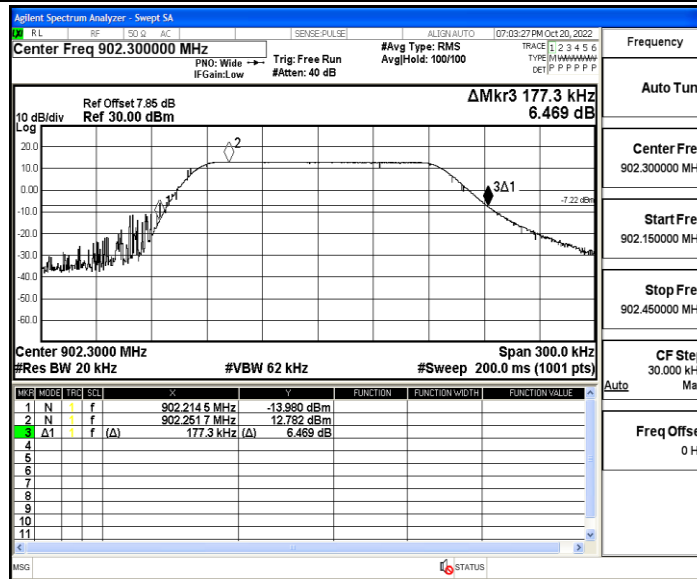
Temperature:	22.7℃
Relative Humidity:	56%
ATM Pressure:	100.0 kPa
Test Engineer:	Anna Hu
Supervised by:	Hugo Chen
NOTE	N/A

Appendix A.1: 20dB Emission Bandwidth**Test Result**

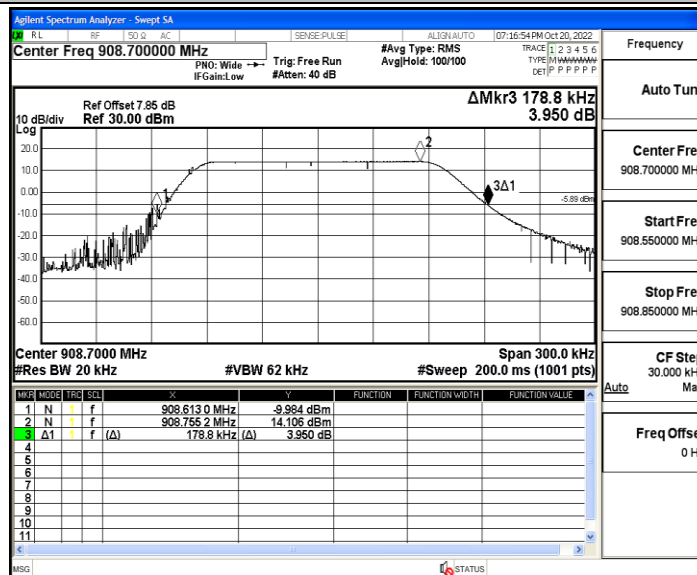
TestMode	Antenna	Channel	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
LoRa-Hybrid	Ant1	902.3	0.177	902.215	902.392	---	---
		908.7	0.179	908.613	908.792	---	---
		914.9	0.175	914.816	914.992	---	---

Test Graphs

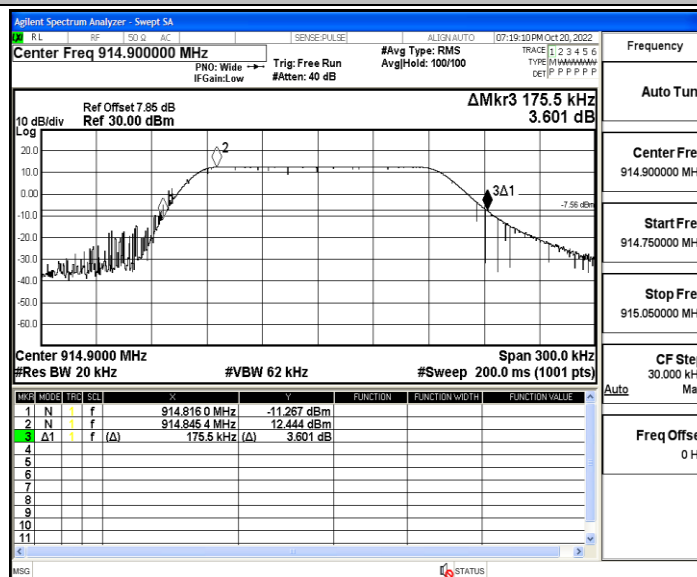
LoRa-Hybrid_Ant1_902.3



LoRa-Hybrid_Ant1_908.7



LoRa-Hybrid_Ant1_914.9



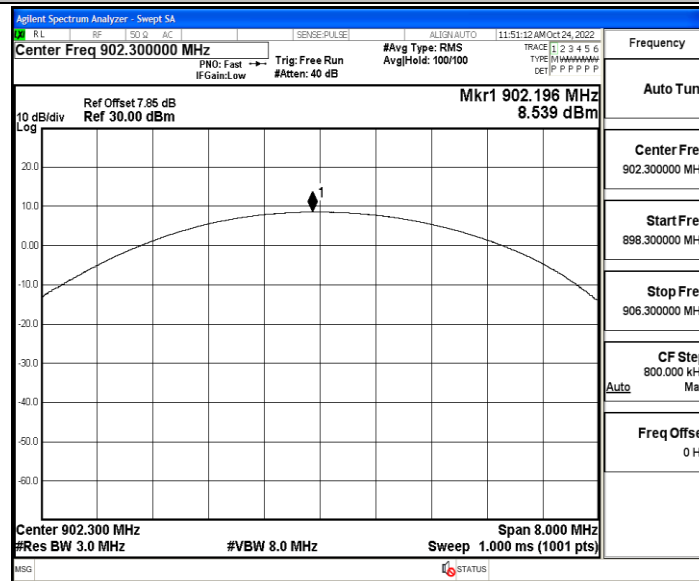
Appendix B: Maximum Peak conducted output power

Test Result

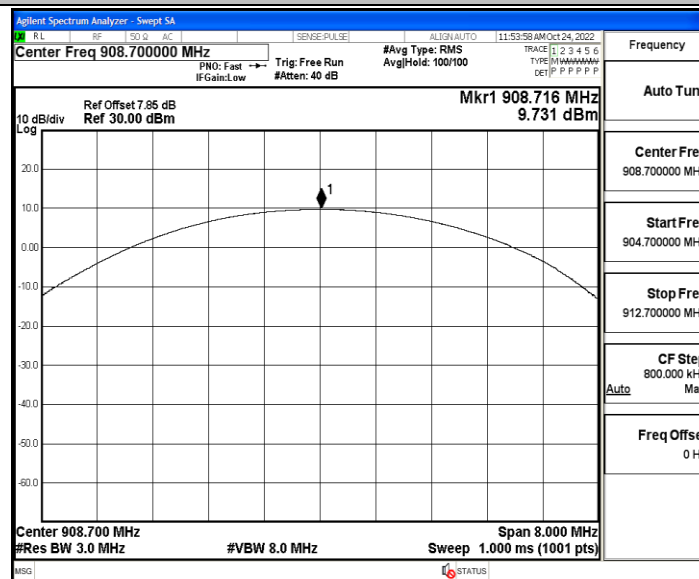
TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
LoRa-Hybrid	Ant1	902.3	8.54	≤30	PASS
		908.7	9.73	≤30	PASS
		914.9	8.22	≤30	PASS

Test Graphs

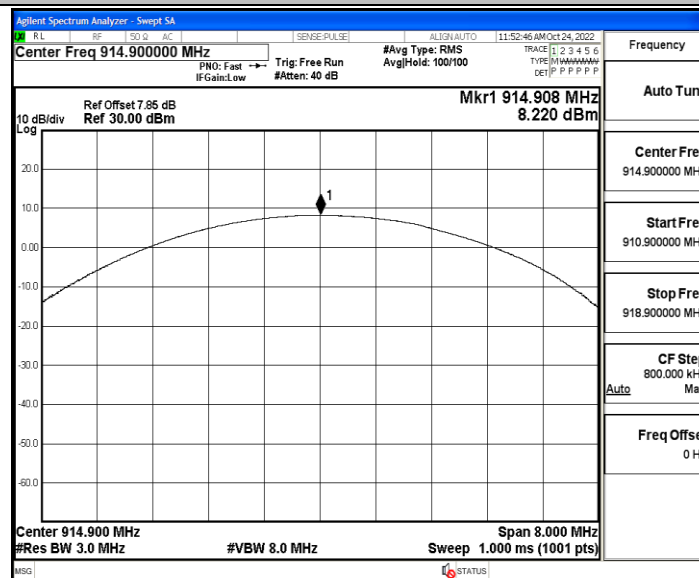
LoRa-Hybrid_Ant1_902.3



LoRa-Hybrid_Ant1_908.7



LoRa-Hybrid_Ant1_914.9

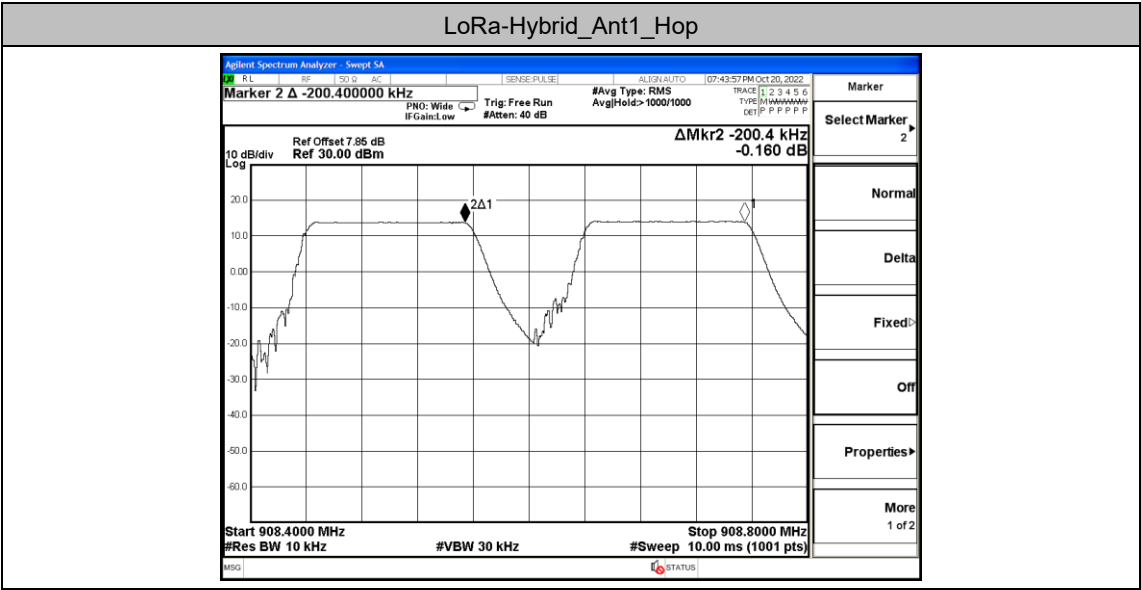


Appendix C: Carrier frequency separation

Test Result

TestMode	Antenna	Channel	Result[MHz]	Limit[MHz]	Verdict
LoRa-Hybrid	Ant1	Hop	0.2004	≥0.179	PASS

Test Graphs

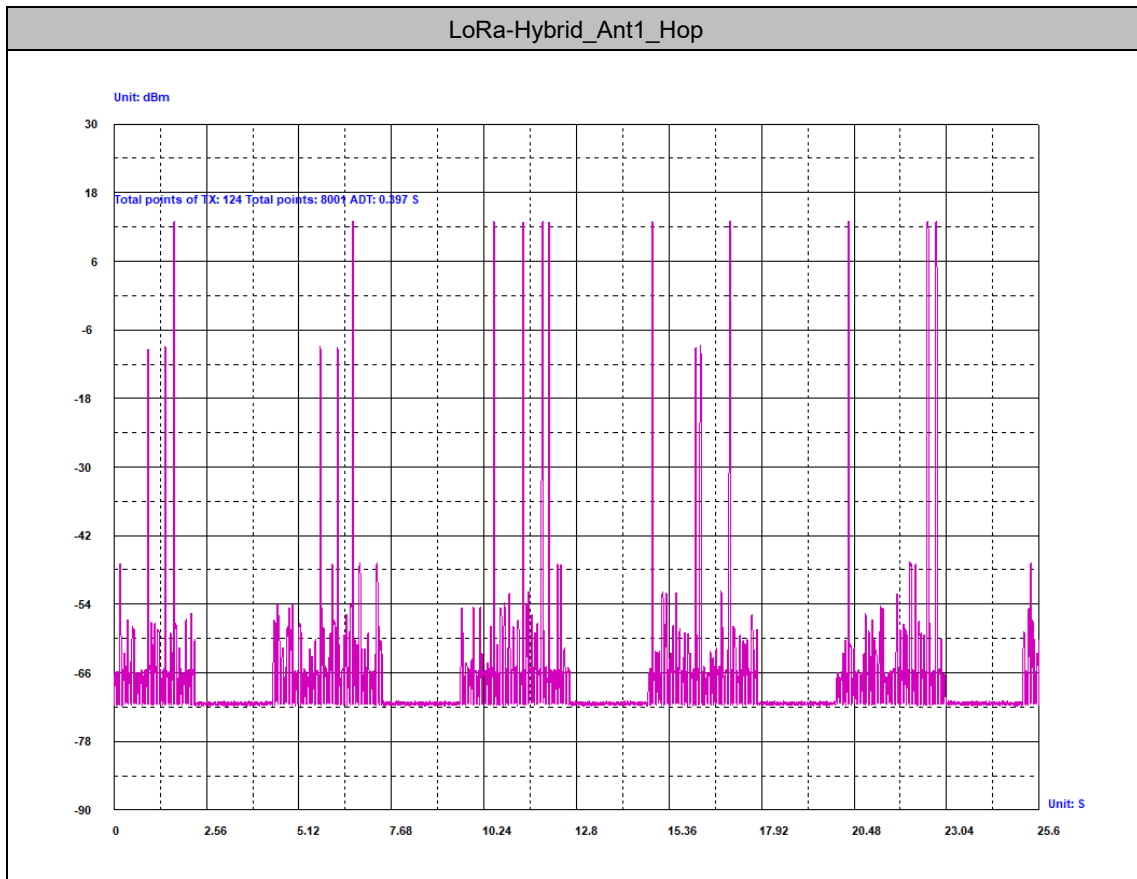


Appendix D: Time of occupancy

Test Result

TestMode	Antenna	Channel	Total Points	TX Points	Result[s]	Limit[s]	Verdict
LoRa-Hybrid	Ant1	Hop	8001	124	0.397	<=0.4	PASS

Test Graphs

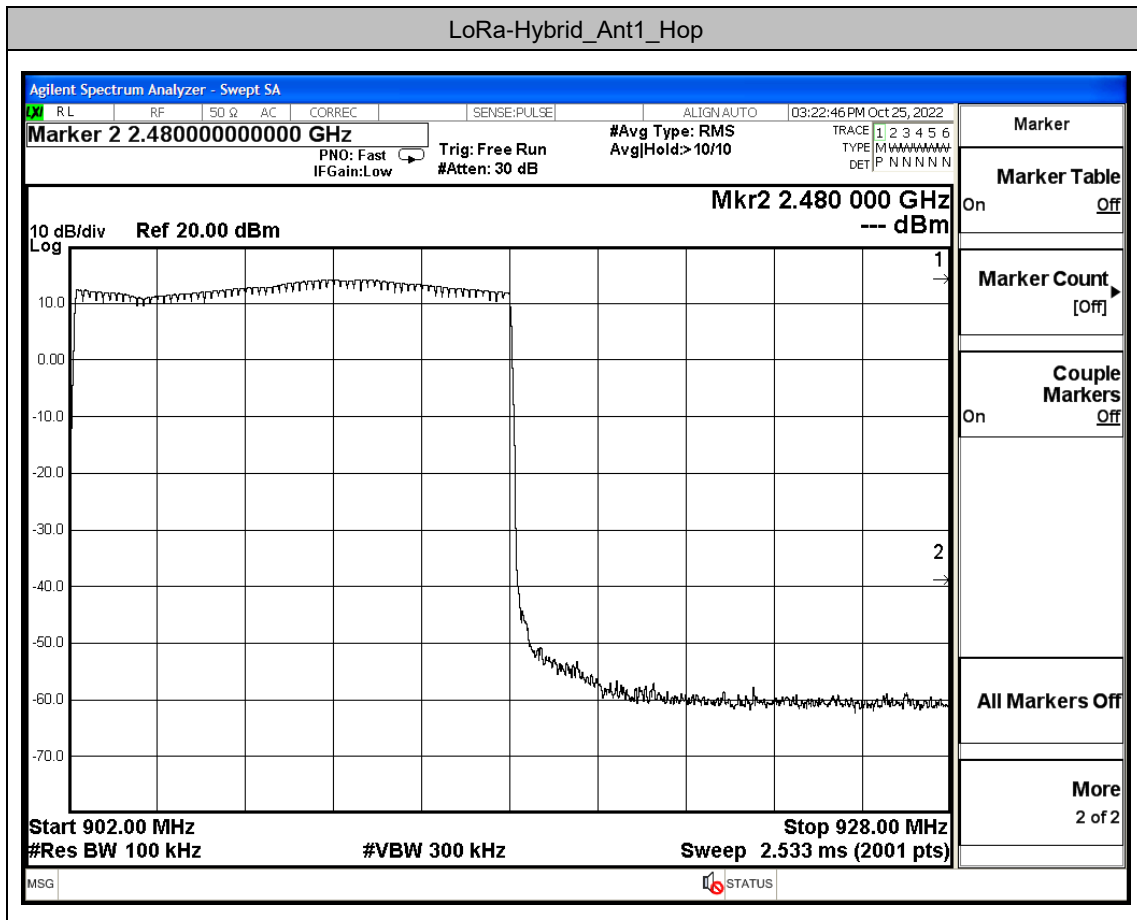


Appendix E: Number of hopping channels

Test Result

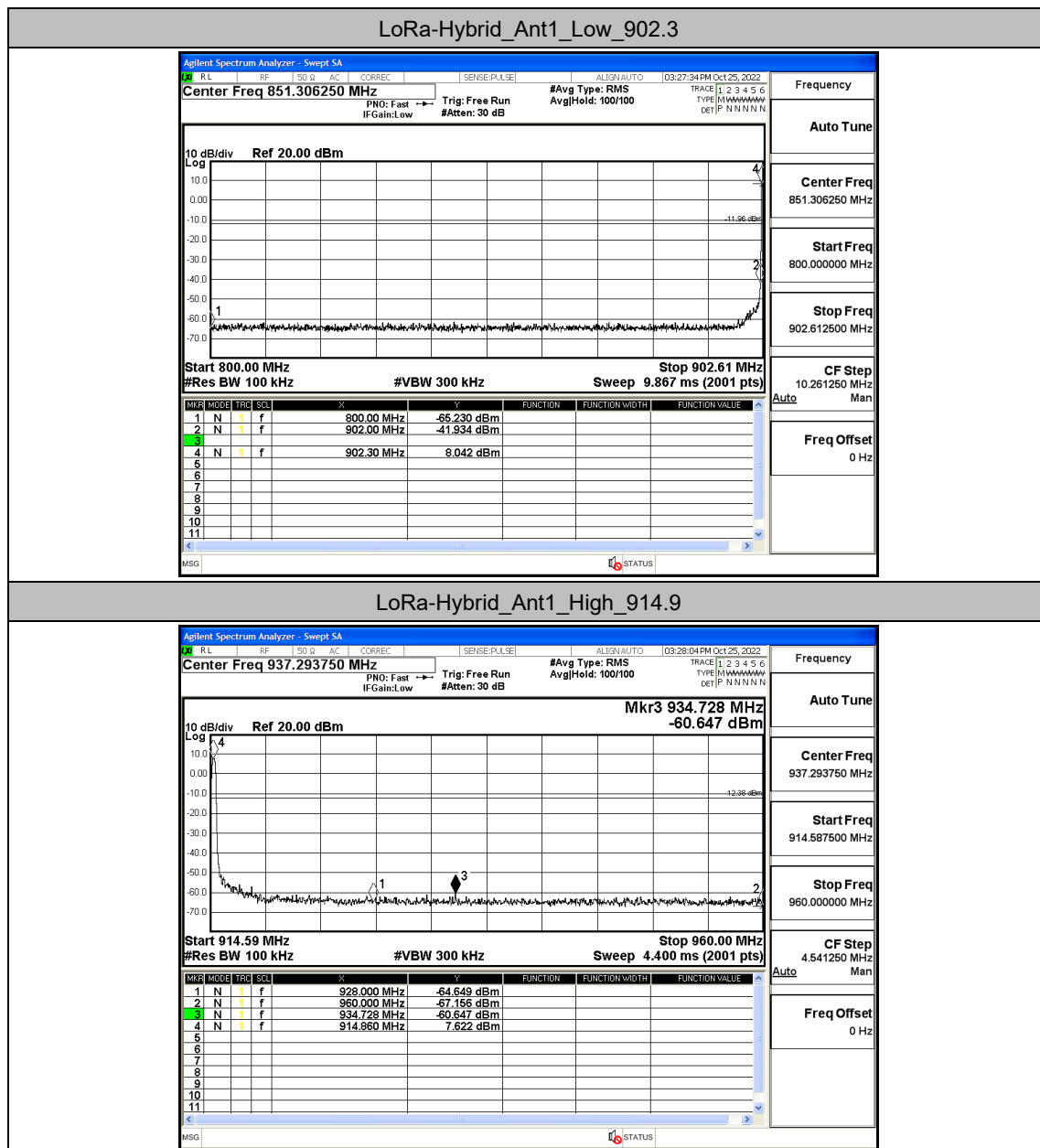
TestMode	Antenna	Channel	Result[Num]	Limit[Num]	Verdict
LoRa-Hybrid	Ant1	Hop	64	>=15	PASS

Test Graphs



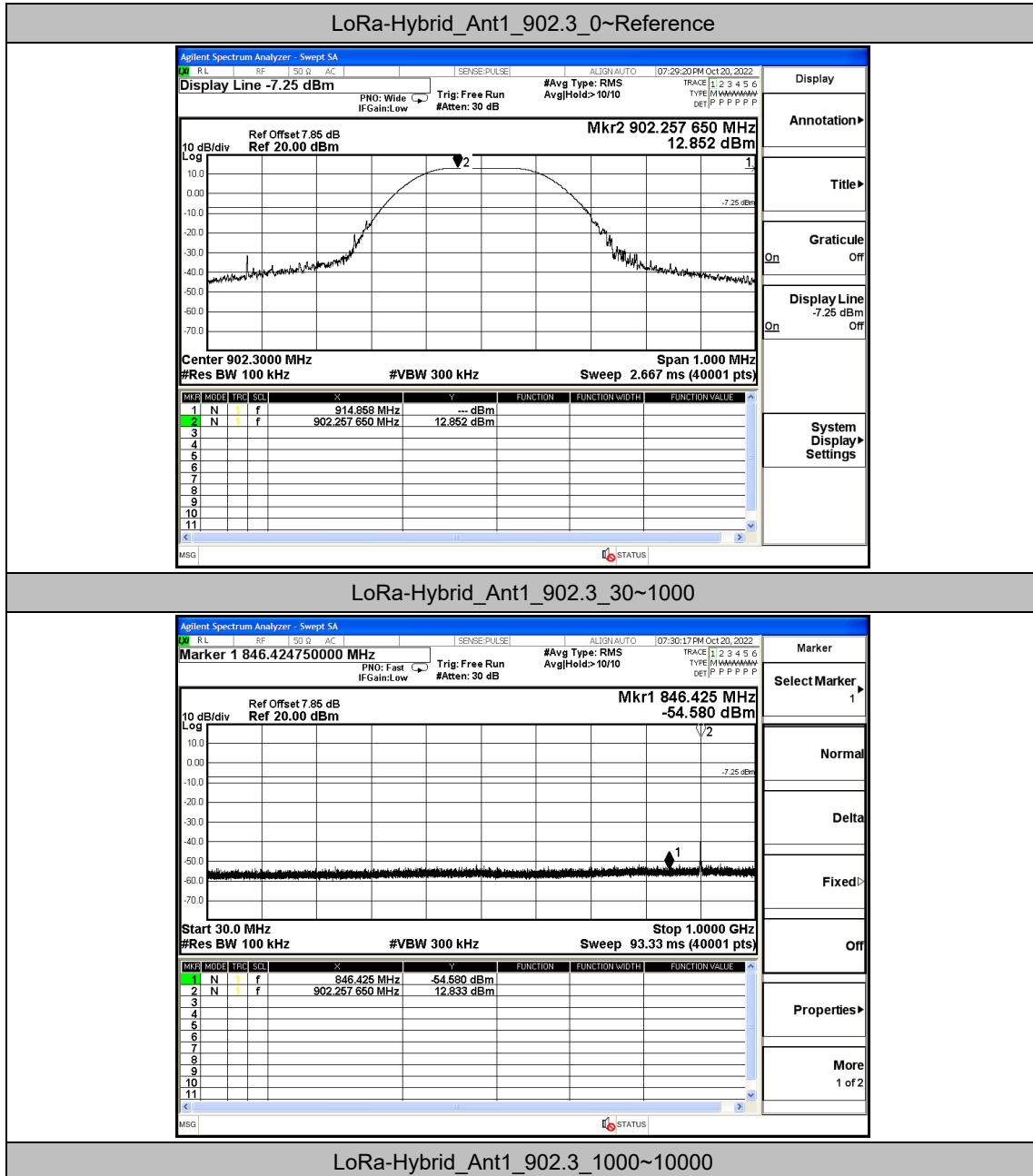
Appendix F: Band edge measurements

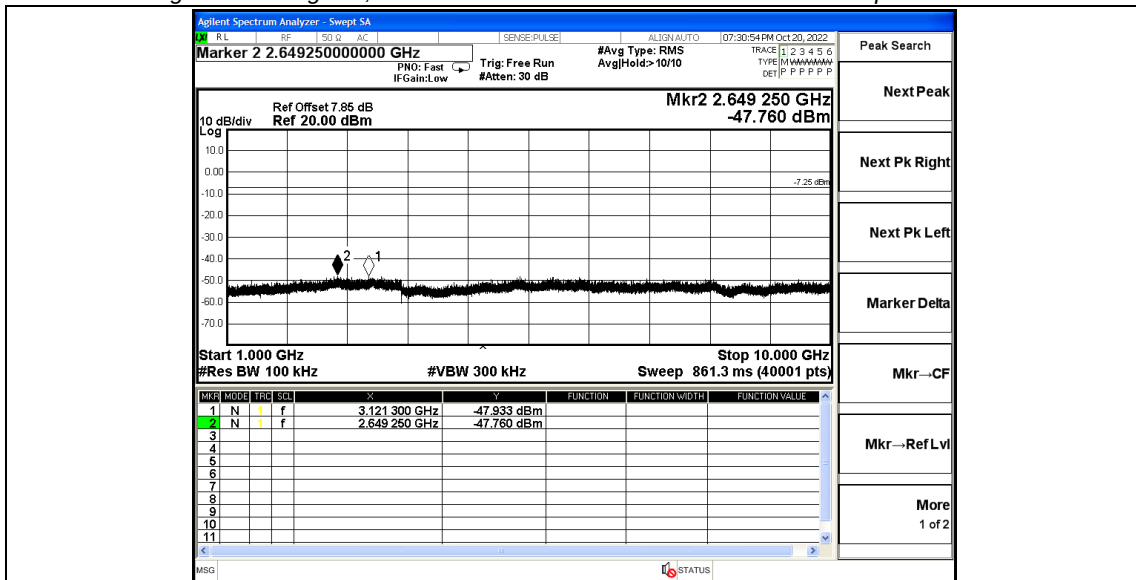
Test Graphs



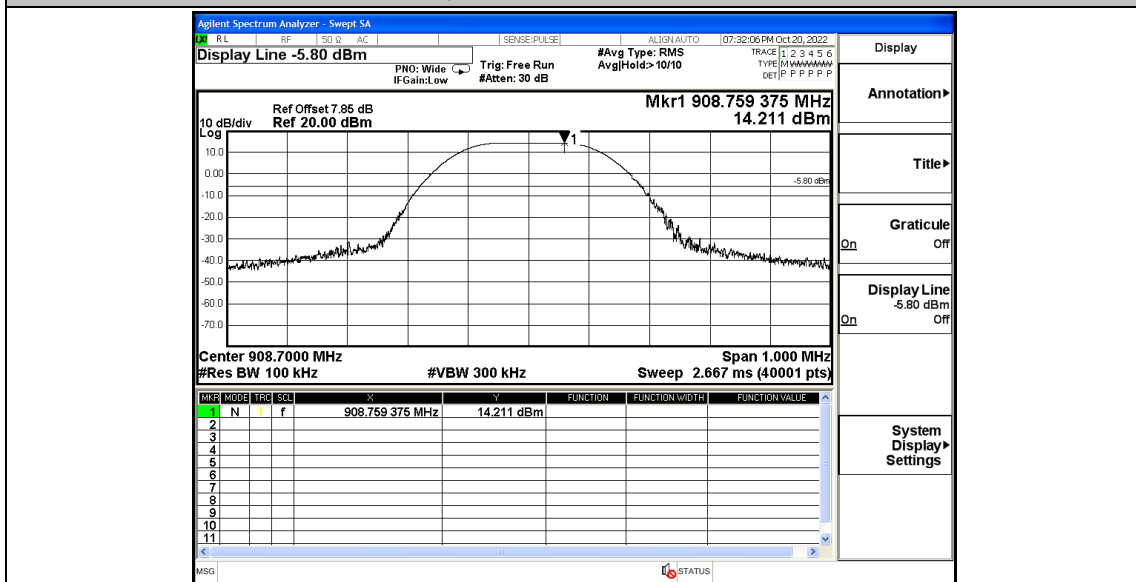
Appendix G: Conducted Spurious Emission

Test Graphs

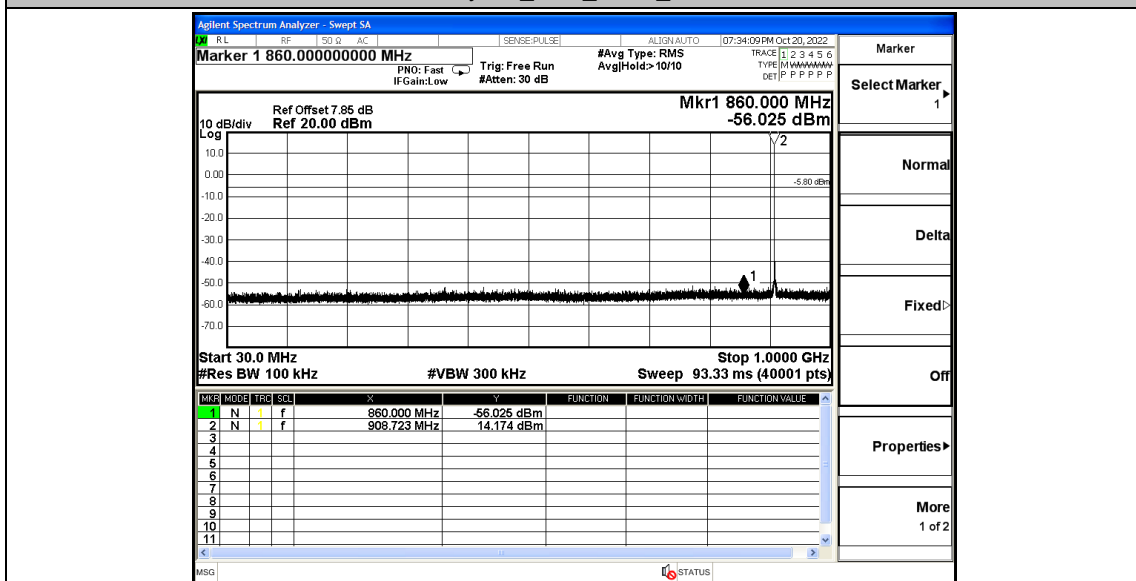




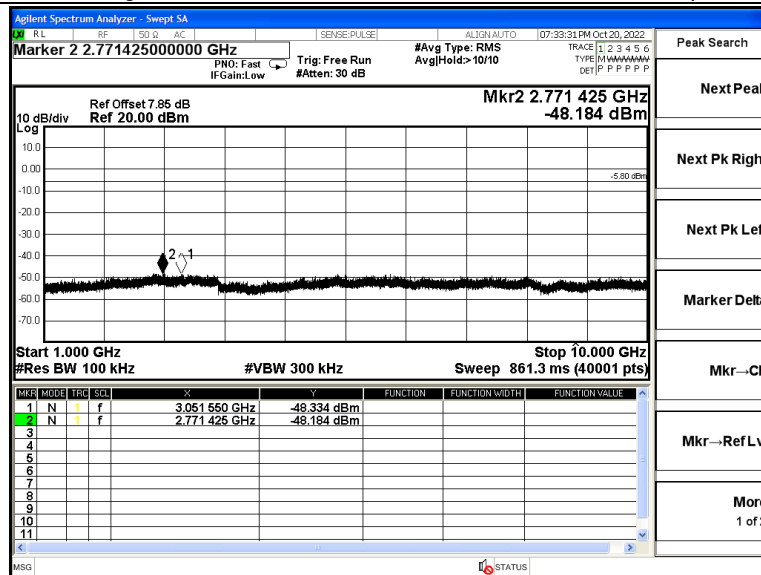
LoRa-Hybrid_Ant1_908.7_0~Reference



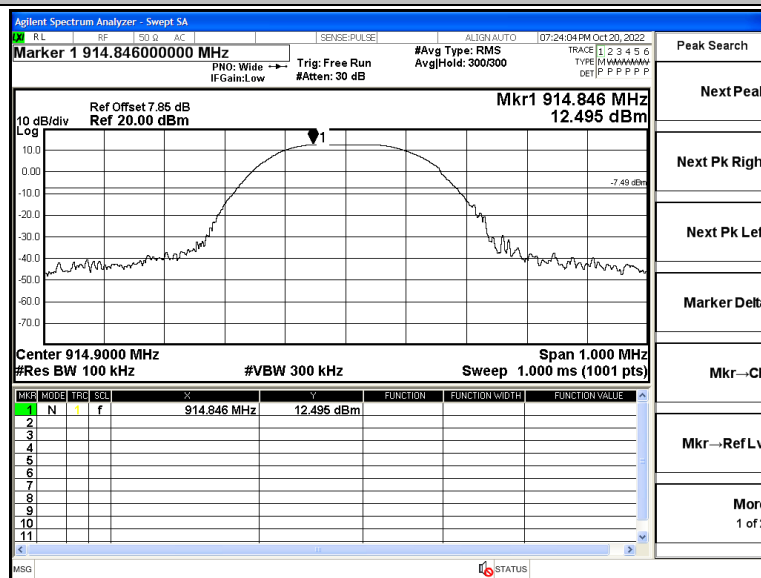
LoRa-Hybrid_Ant1_908.7_30~1000



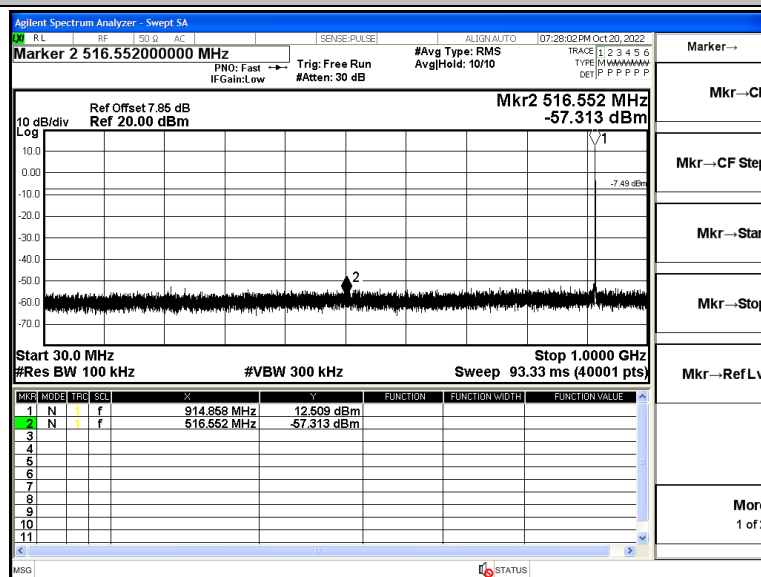
LoRa-Hybrid_Ant1_908.7_1000~10000



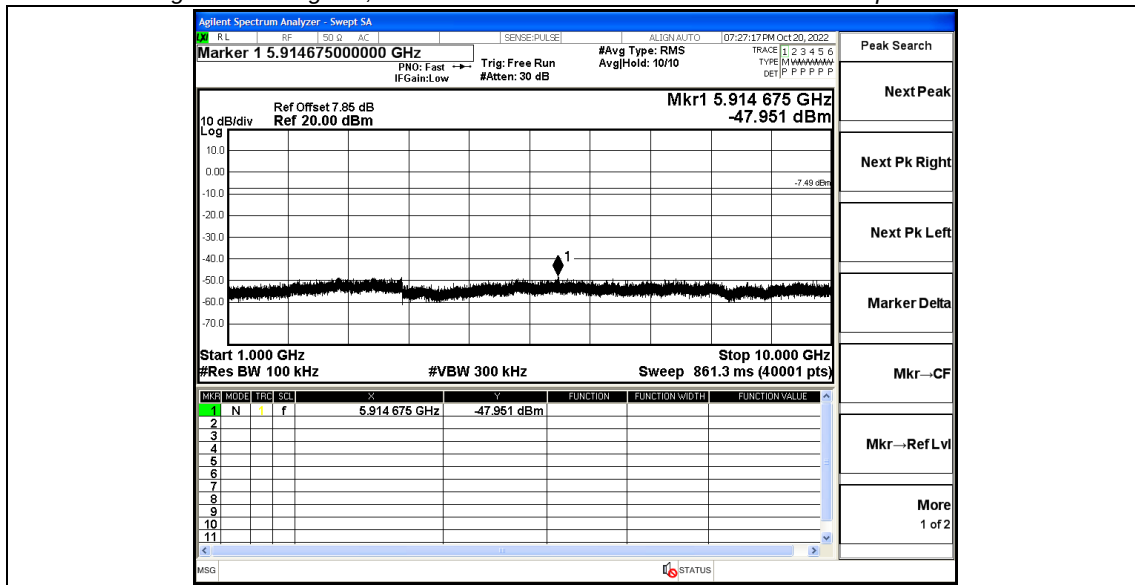
LoRa-Hybrid_Ant1_914.9_0~Reference



LoRa-Hybrid_Ant1_914.9_30~1000



LoRa-Hybrid_Ant1_914.9_1000~26500



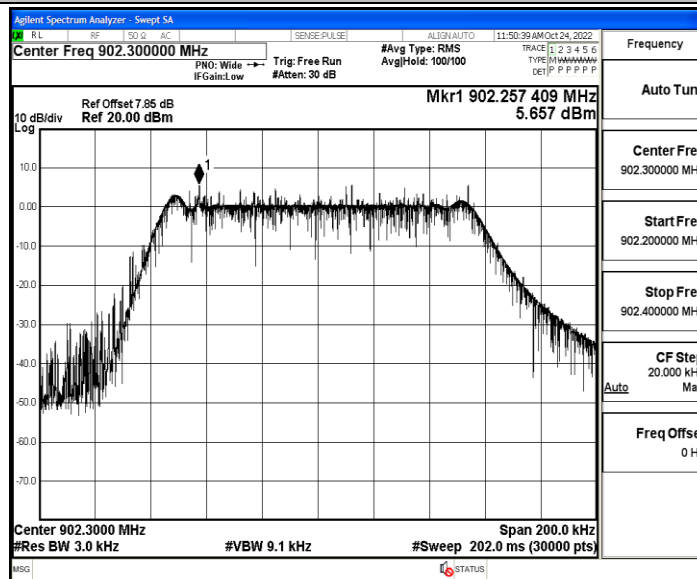
Appendix H: Peak power spectral density

Test Result

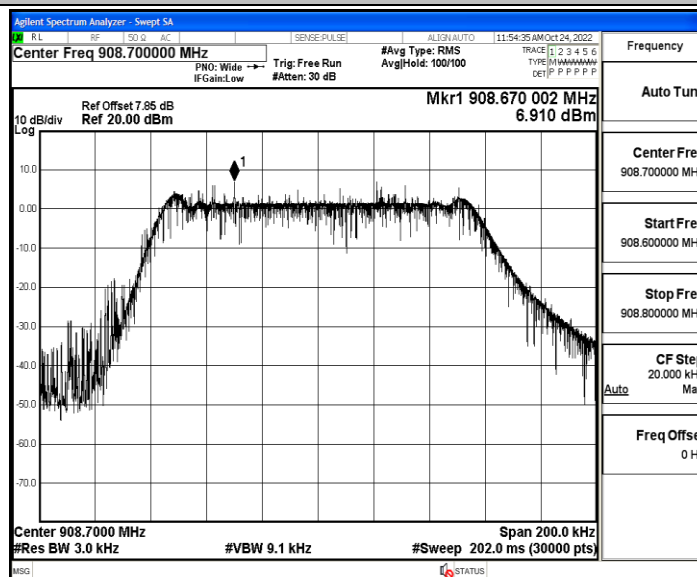
TestMode	Antenna	Channel	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
LoRa-Hybrid	Ant1	902.3	5.66	<=8	PASS
		908.7	6.91	<=8	PASS
		914.9	5.2	<=8	PASS

Test Graphs

LoRa-Hybrid_1M_Ant1_902.3



LoRa-Hybrid_1M_Ant1_908.7



LoRa-Hybrid_1M_Ant1_914.9

