



Appendix A

RF Test Data for 900MHz (Conducted Measurement)

Product Name: Door /Window Magnetic Contact + Zone Controller

Test Model: DCT12M

Environmental Conditions

Temperature:	23.7°C
Relative Humidity:	53.5%
ATM Pressure:	100.0 kPa
Test Engineer:	Billy Yu
Supervised by:	Paddi Chen



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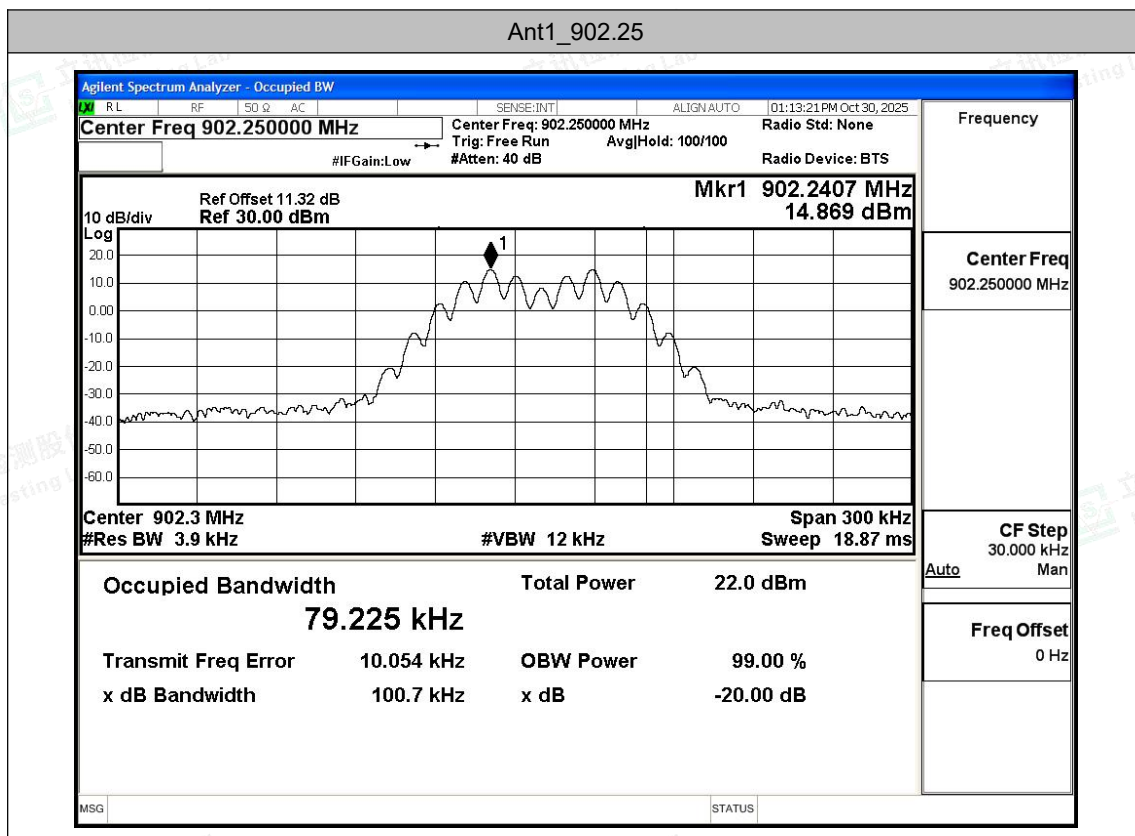


A.1 20dB Emission Bandwidth

Test Result

Antenna	Channel[MHz]	20db EBW[kHz]	Limit[MHz]	Verdict
Ant1	902.25	100.7	---	PASS
	914.85	101.0	---	PASS
	927.55	100.7	---	PASS

Test Graphs



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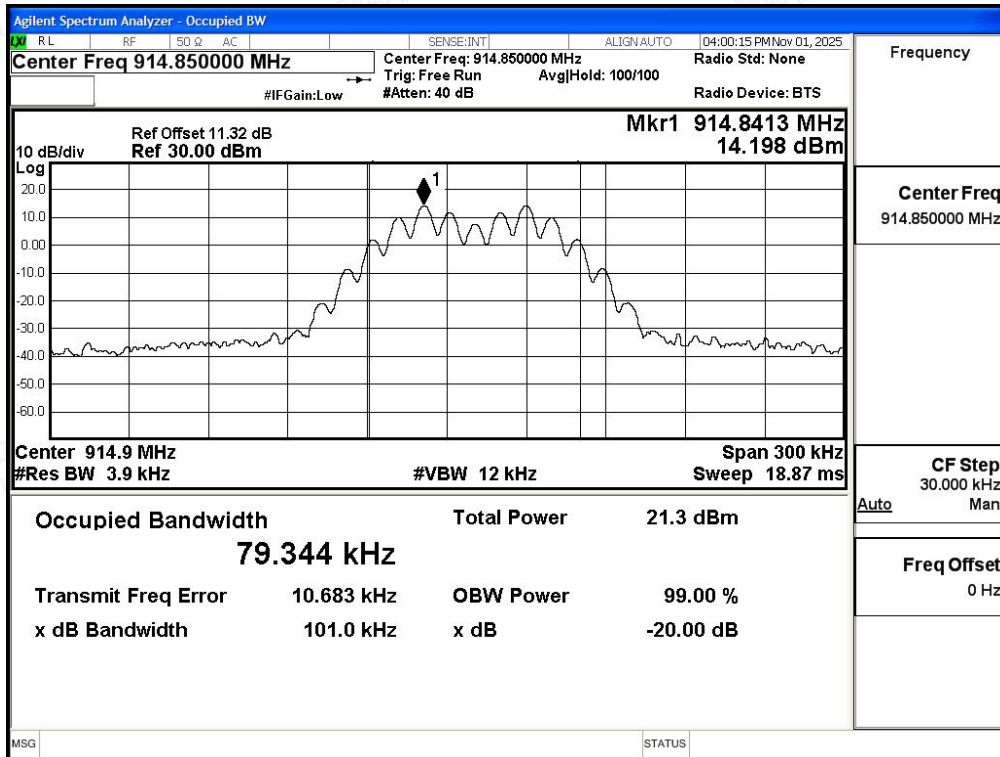
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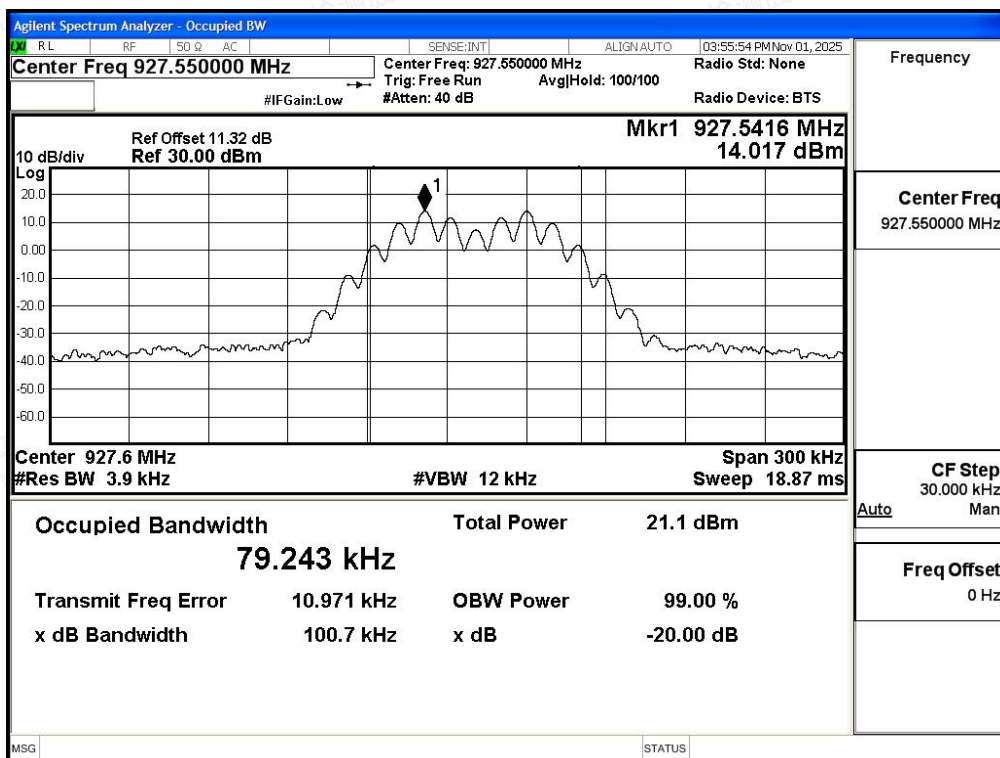
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Ant1_914.85



Ant1_927.55



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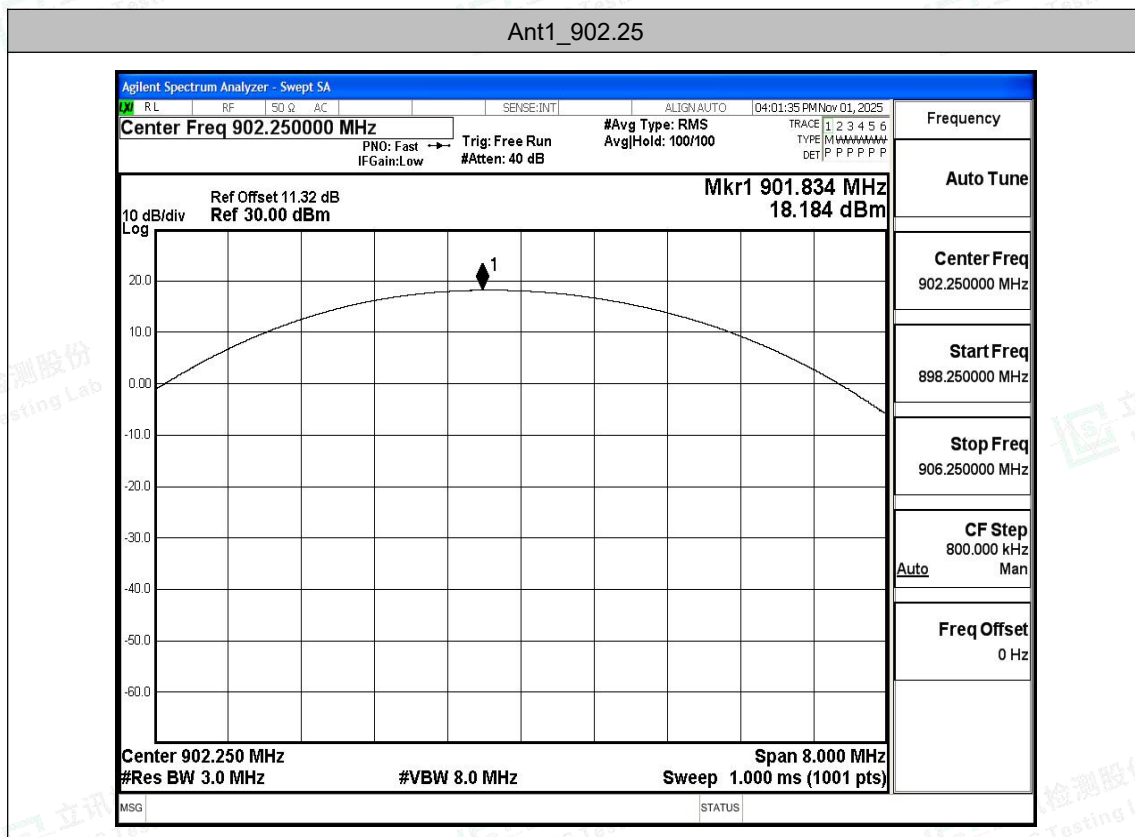


A.2 Maximum Peak Conducted Output Power

Test Result Peak

Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
Ant1	902.25	18.18	≤30	PASS
	914.85	17.57	≤30	PASS
	927.55	17.37	≤30	PASS

Test Graphs



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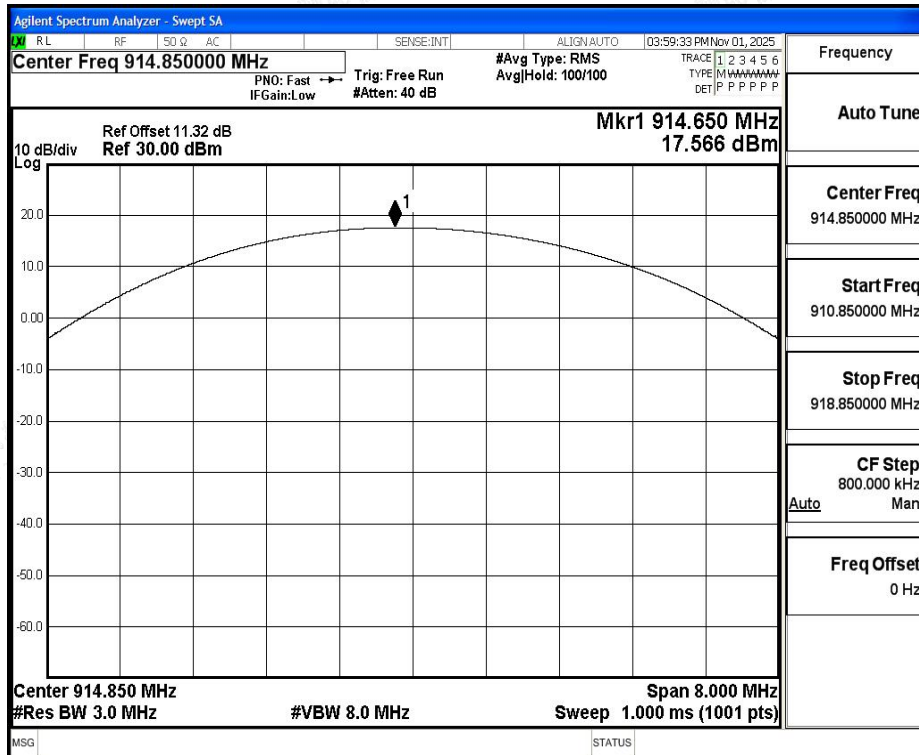
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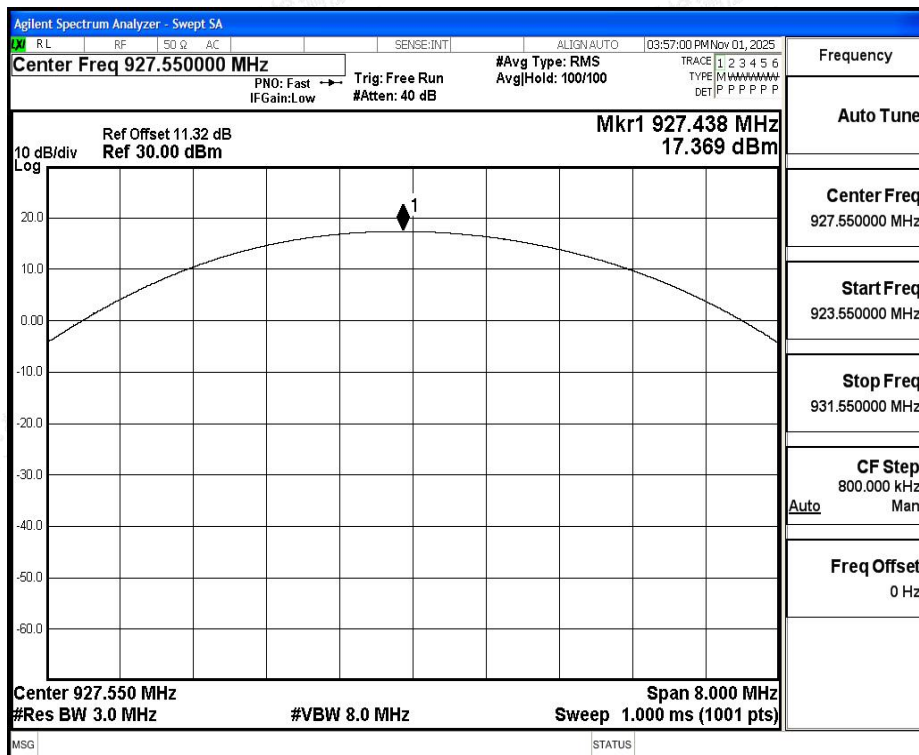
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Ant1_914.85



Ant1_927.55



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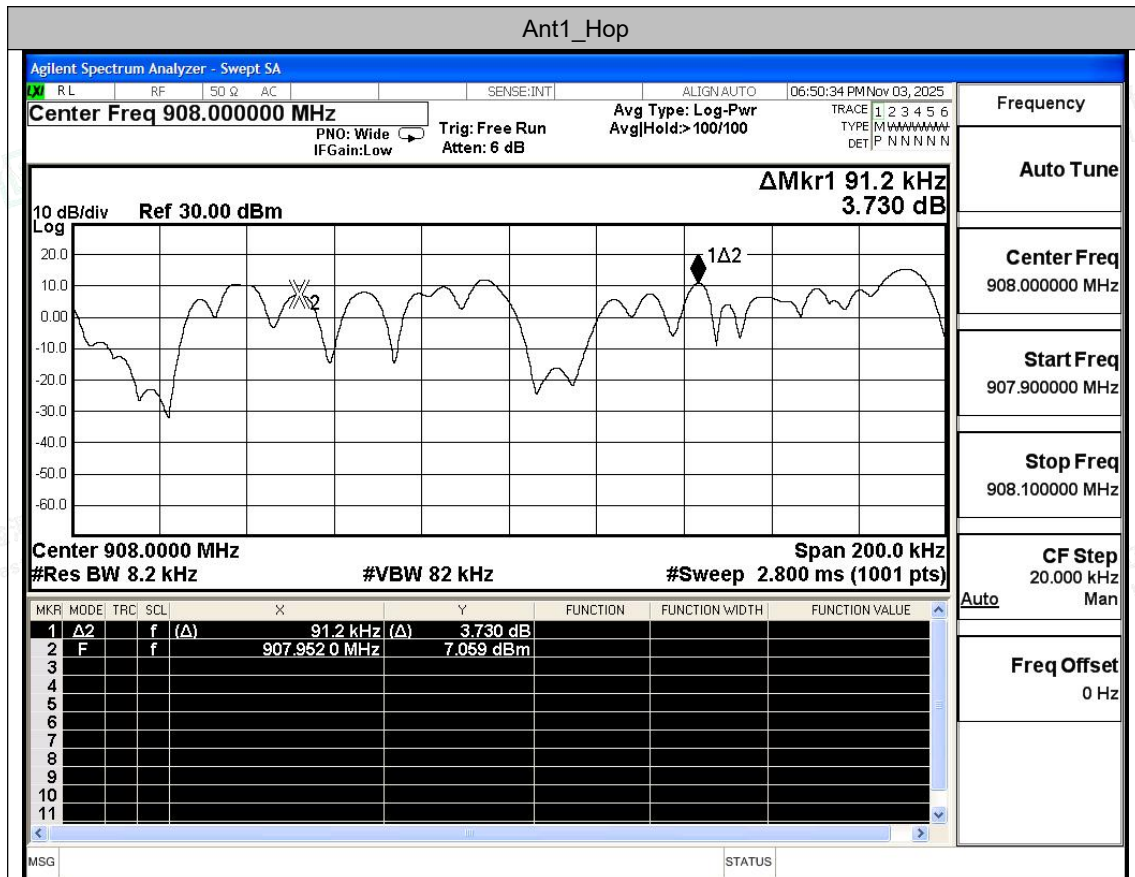


A.3 Carrier frequency separation

Test Result

Antenna	Channel[MHz]	Result[kHz]	Limit[kHz]	Verdict
Ant1	Hop	91.2	83.61	PASS

Test Graphs



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A.4 Time of occupancy

Test Result

Antenna	Channel[MHz]	Burst Width[ms]	Total Hops[Num]	Result[ms]	Limit[ms]	Verdict
Ant1	Hop	8.550	3	25.65	<=400	PASS



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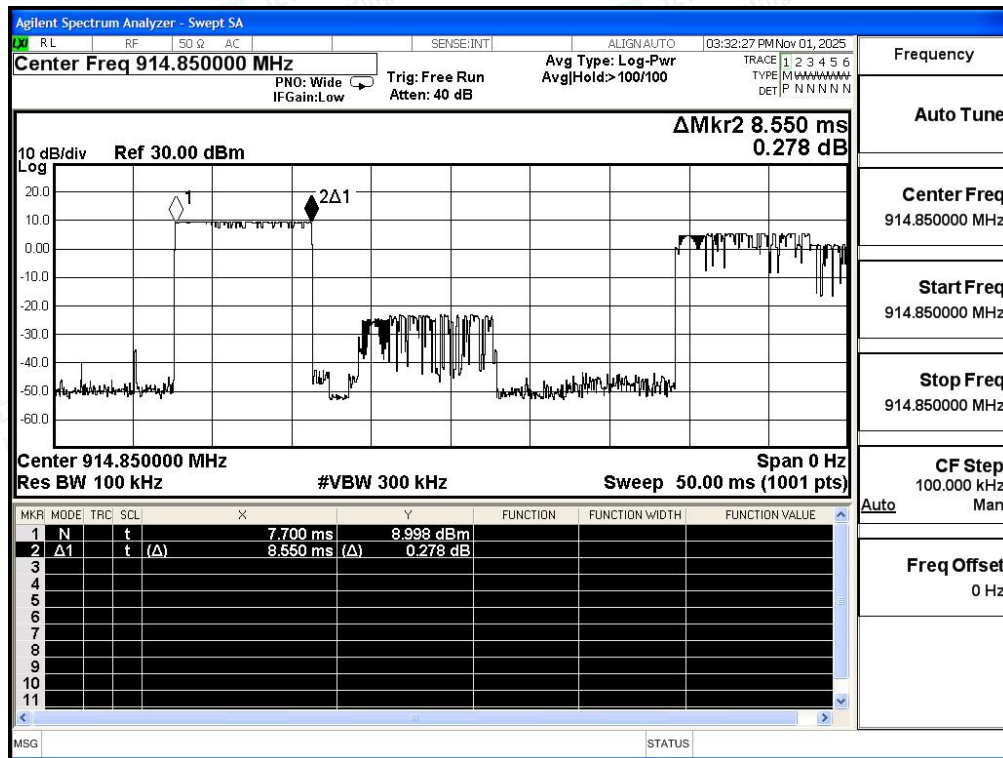
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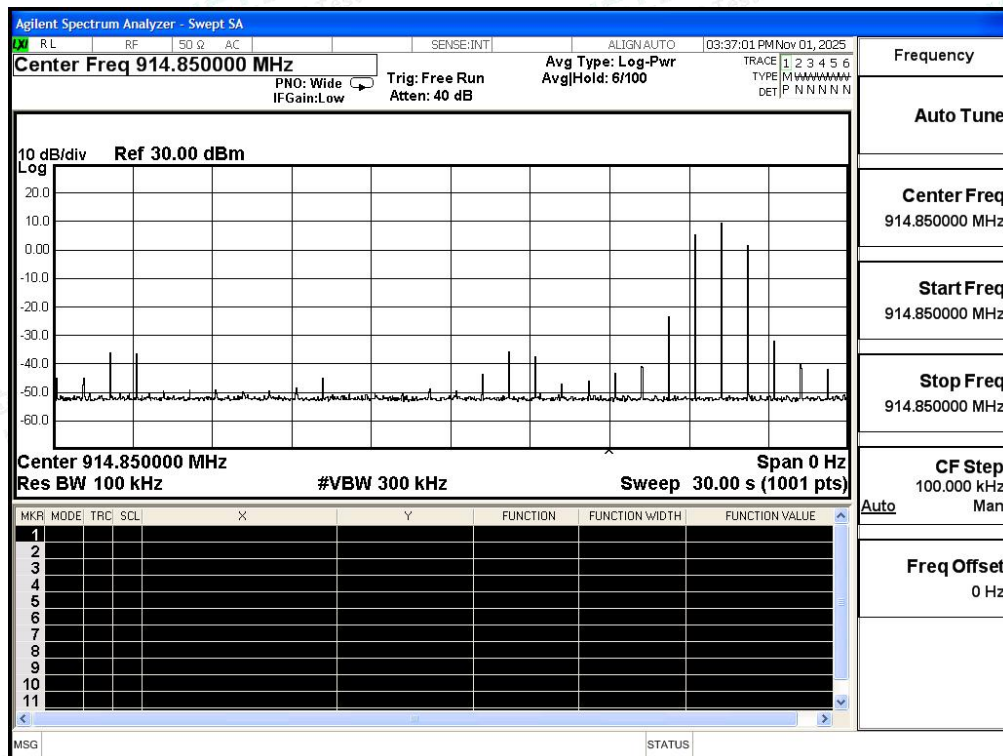


Test Graphs

Ant1_Hop



Ant1_Hop



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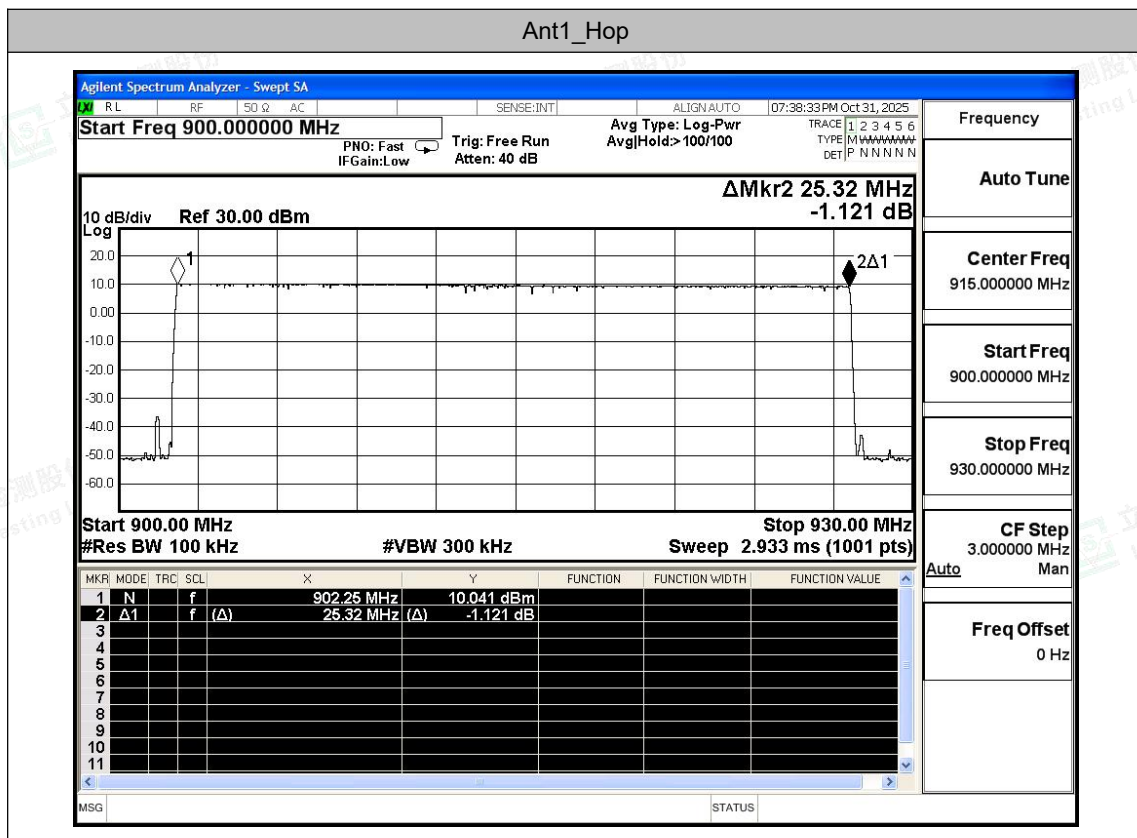


A.5 Number of hopping channels

Test Result

Antenna	Channel	Result[Num]	Limit[Num]	Verdict
Ant1	Hop	254	>=50	PASS

Test Graphs



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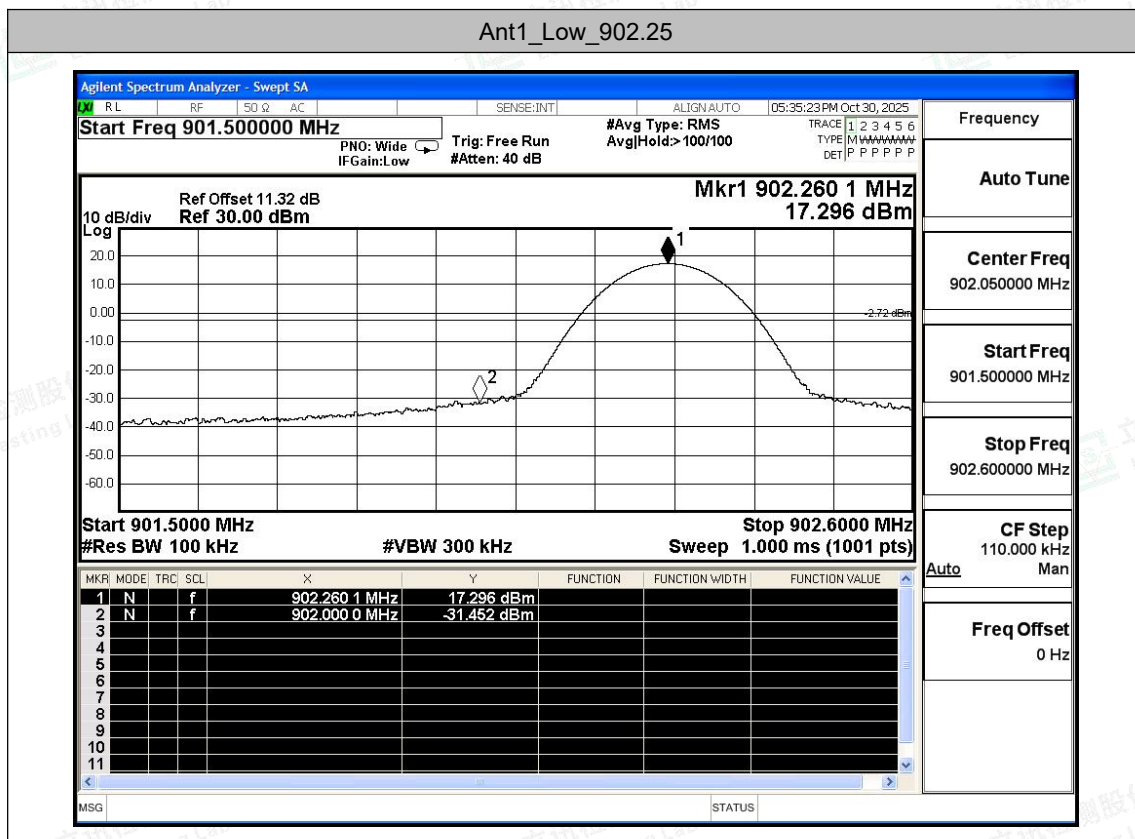


A.6 Band edge measurements

Test Result

Antenna	Ch Name	Channel[MHz]	Ref Level[dBm]	Result[dBm]	Limit[dBm]	Verdict
Ant1	Low	902.25	17.296	-31.452	<=-2.72	PASS
	High	927.55	17.539	-30.564	<=2.40	PASS
	Low	902.25	10.154	-48.039	<=-9.85	PASS
	High	927.55	9.319	-41.455	<=-10.70	PASS

Test Graphs



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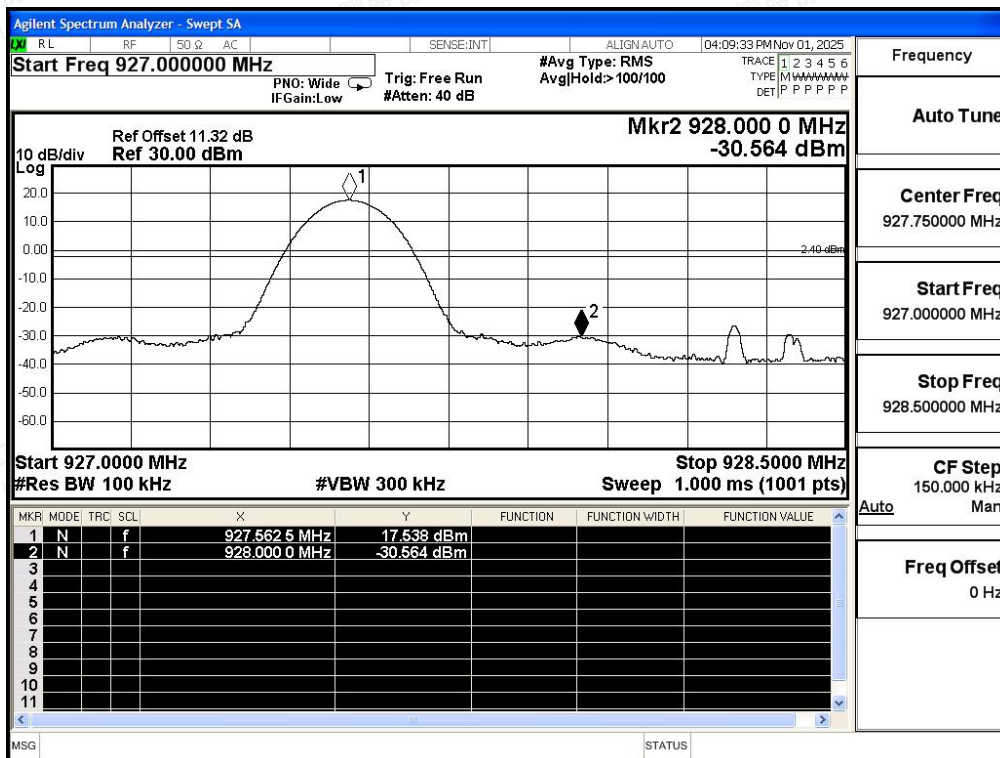
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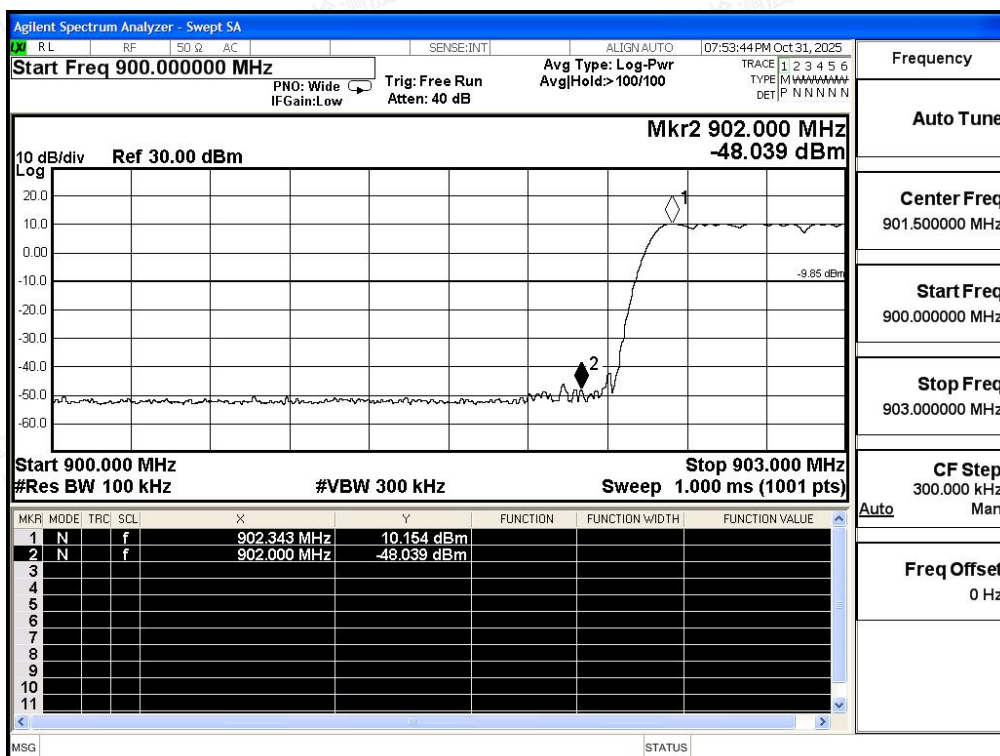
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Ant1_High_927.55



Ant1_Low_Hop_902.25



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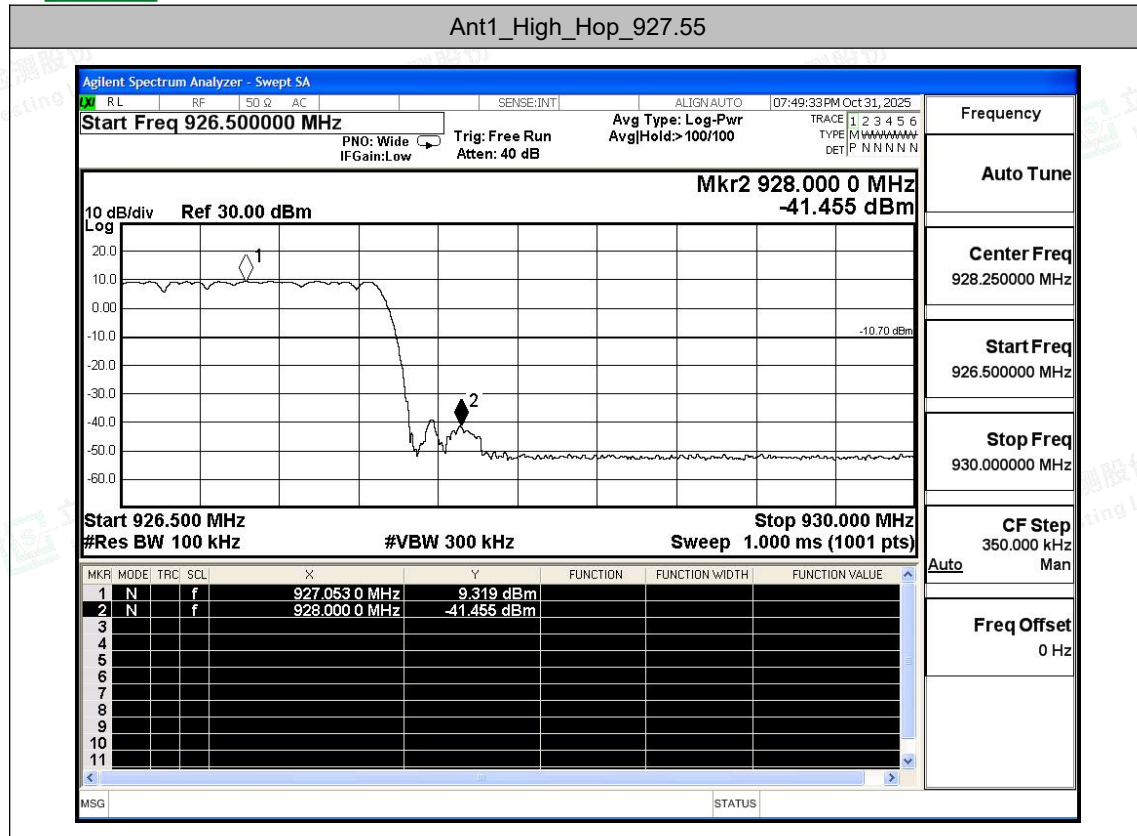
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Ant1_High_Hop_927.55



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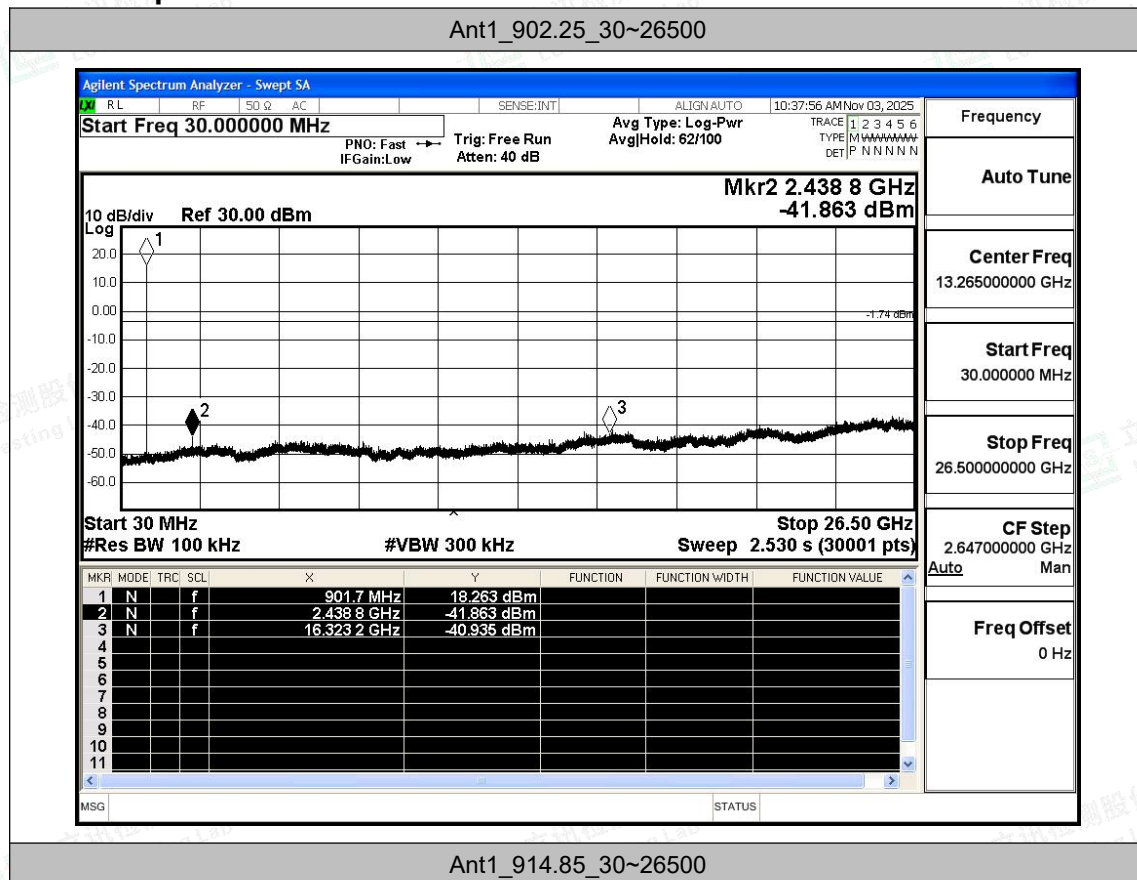


A.7 Conducted Spurious Emission

Test Result

Antenna	Channel[MHz]	Freq Range [MHz]	Ref Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
Ant1	902.25	30~26500	18.263	-40.935	<=-1.74	PASS
	914.85	30~26500	17.579	-35.264	<=-2.42	PASS
	927.55	30~26500	17.617	-35.520	<=-2.38	PASS

Test Graphs

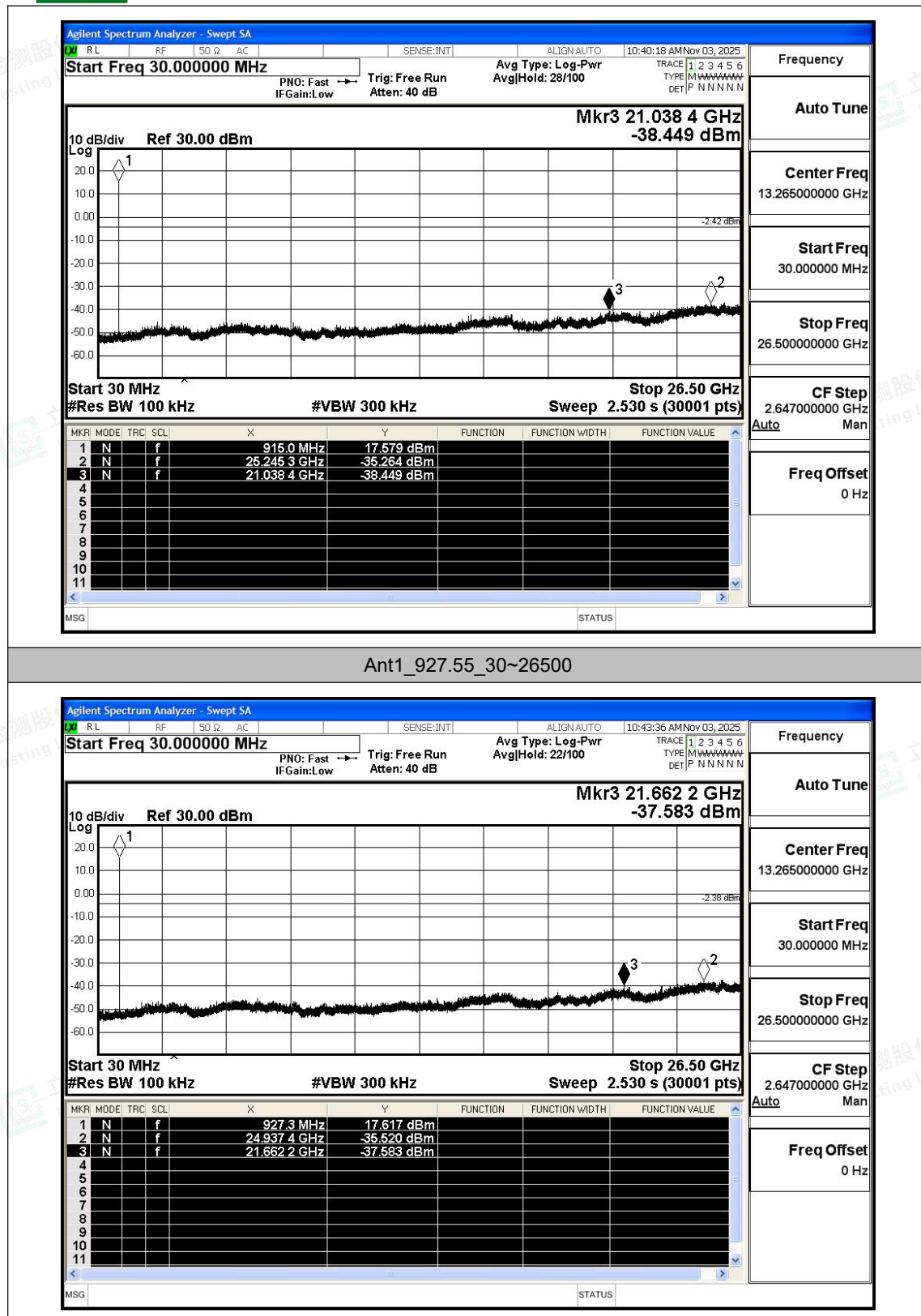


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