



Appendix A

RF Test Data for 900MHz (Conducted Measurement)

Product Name: Door/Window Magnetic Contact

Test Model: DCT6M

Environmental Conditions

Temperature:	24.2°C
Relative Humidity:	52.9%
ATM Pressure:	100.0 kPa
Test Engineer:	Billy Yu
Supervised by:	Paddi Chen



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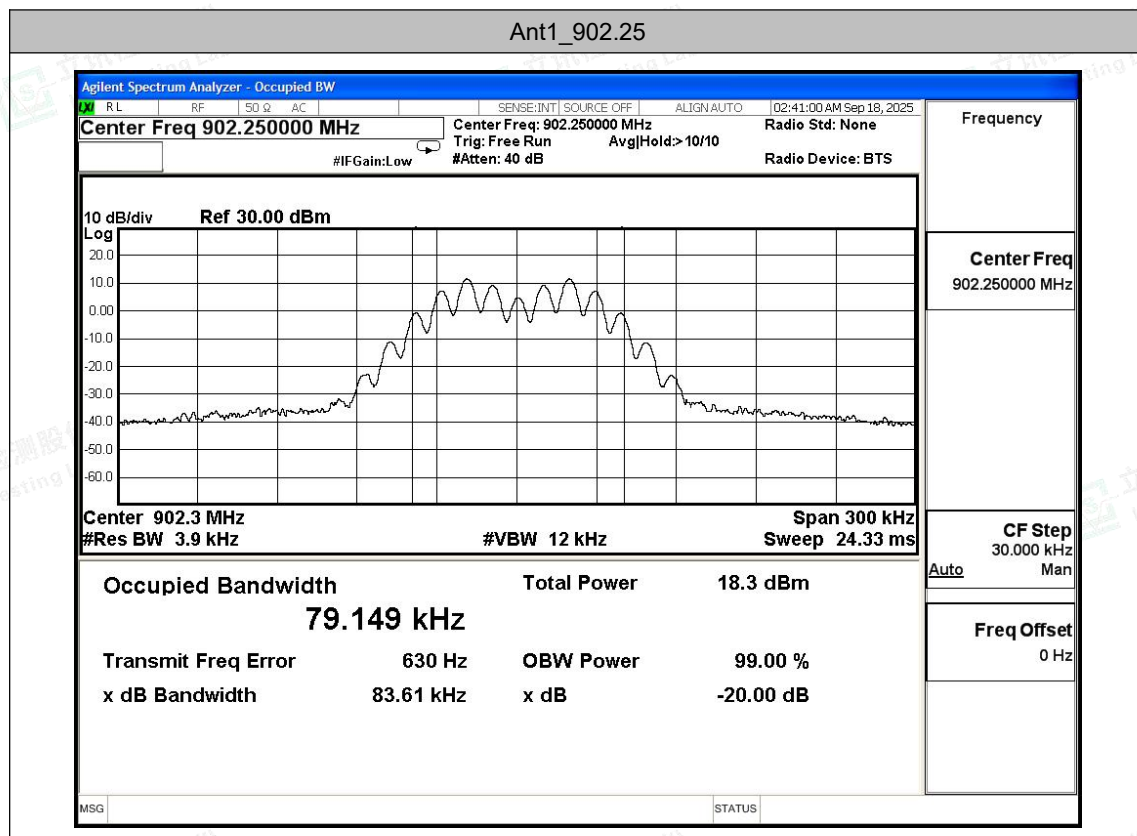


A.1 20dB Emission Bandwidth

Test Result

Antenna	Channel[MHz]	20db EBW[kHz]	Limit[MHz]	Verdict
Ant1	902.25	83.61	---	PASS
	914.85	83.54	---	PASS
	927.55	83.47	---	PASS

Test Graphs



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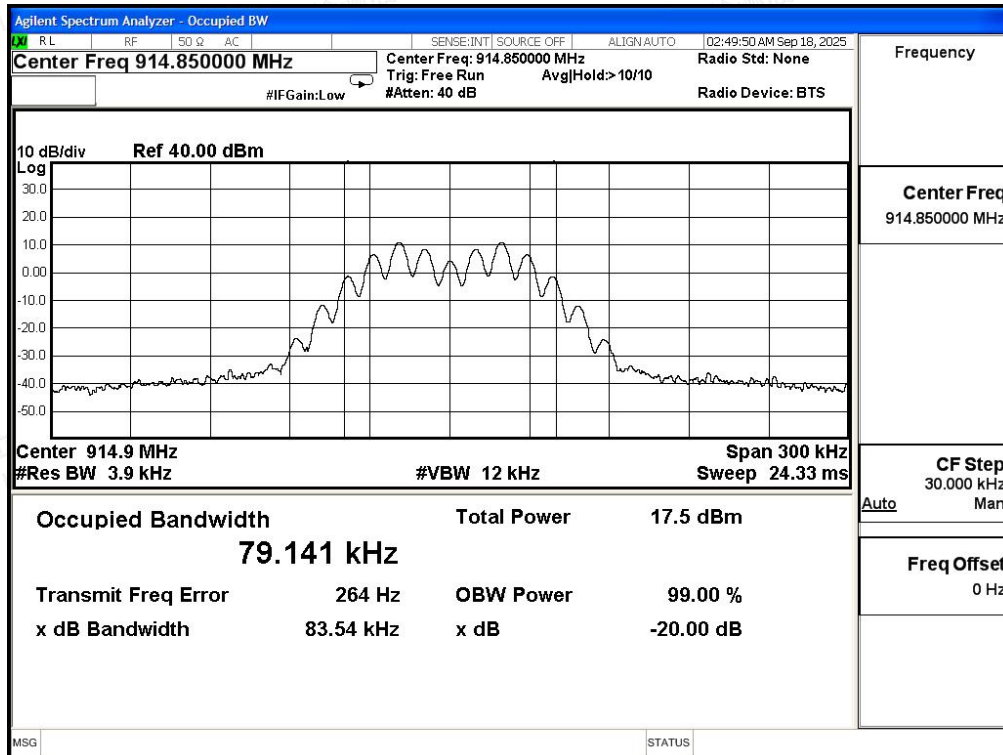
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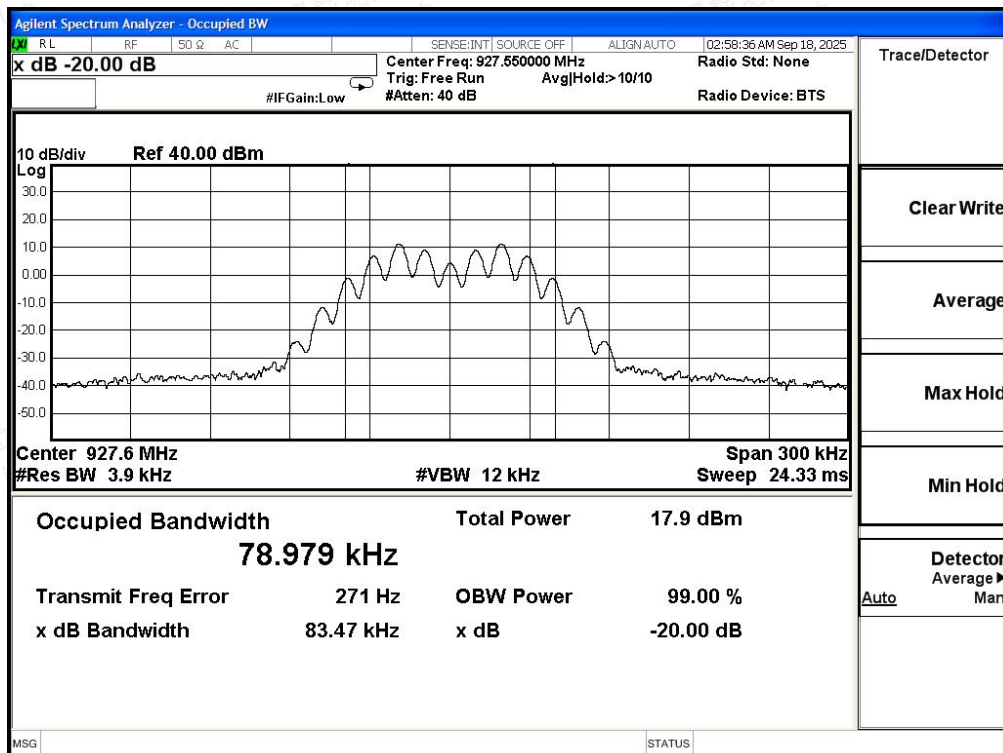
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Ant1_914.85



Ant1_927.55



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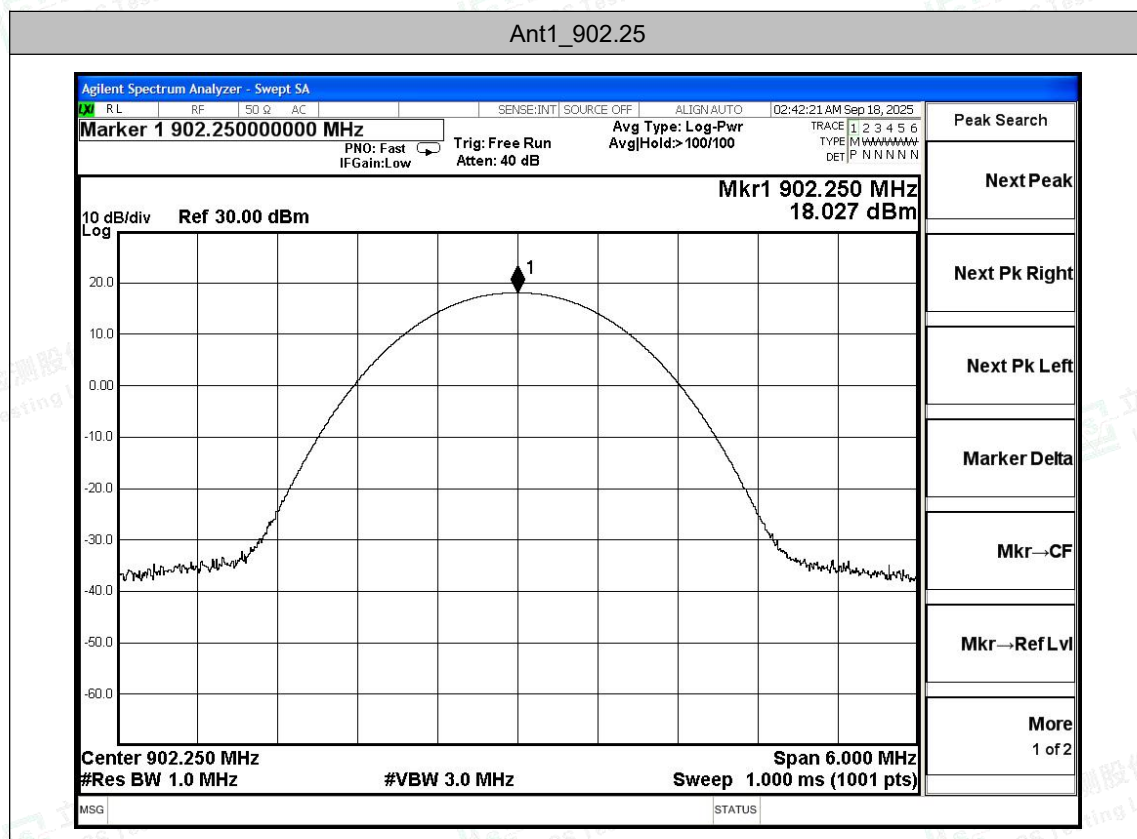


A.2 Maximum Peak Conducted Output Power

Test Result Peak

Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
Ant1	902.25	18.027	≤30	PASS
	914.85	17.359	≤30	PASS
	927.55	17.690	≤30	PASS

Test Graphs



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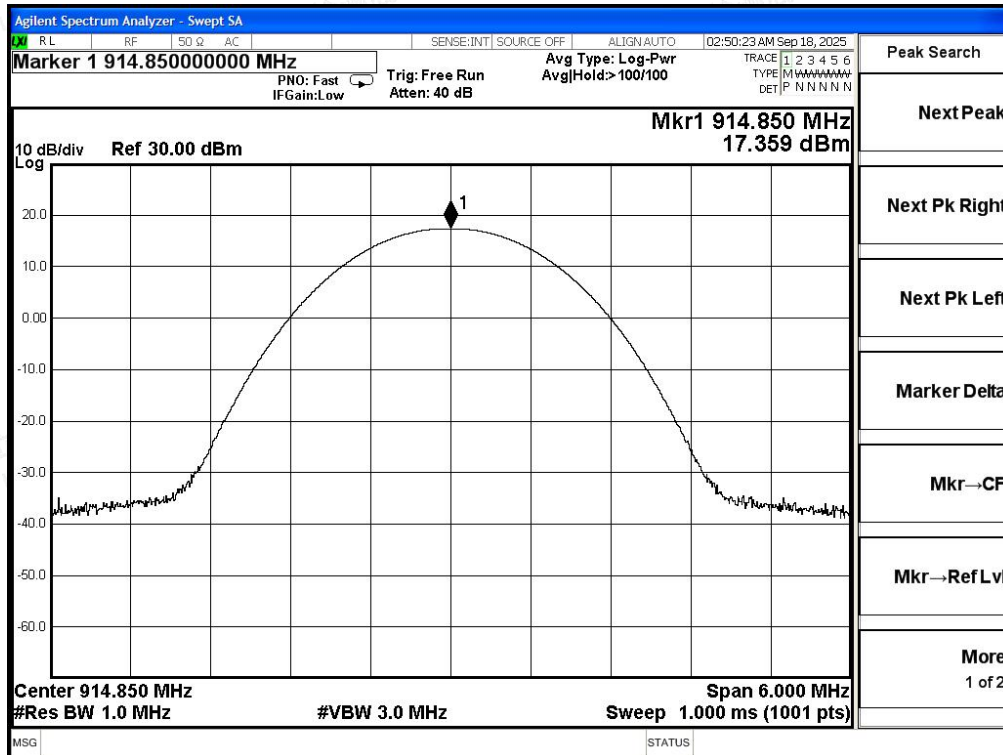
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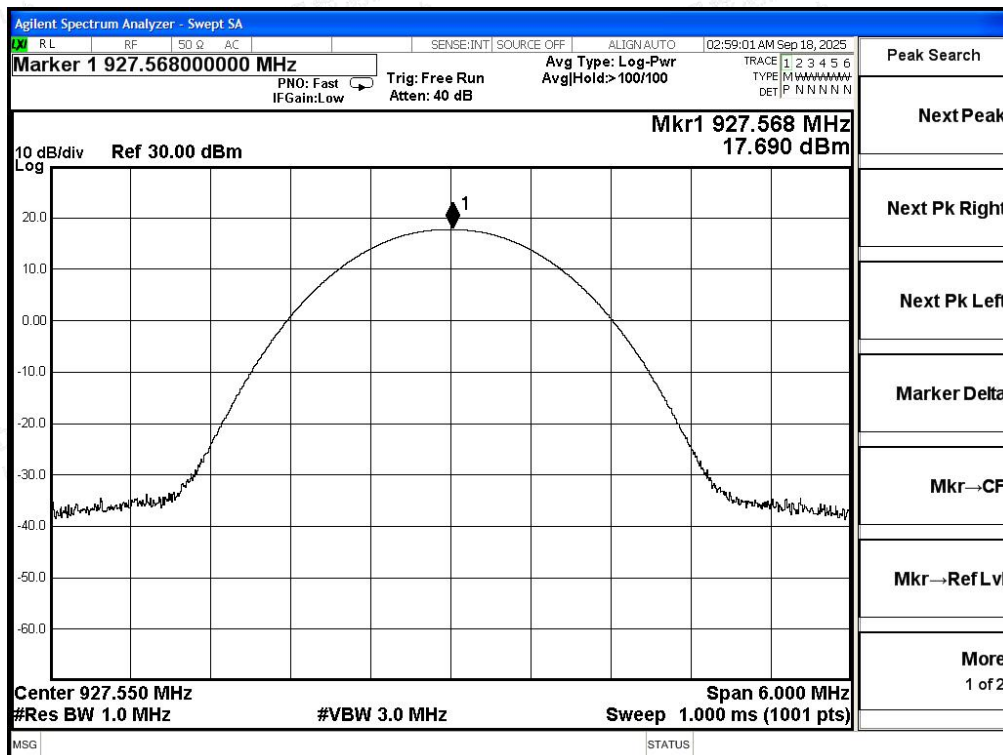
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Ant1_914.85



Ant1_927.55



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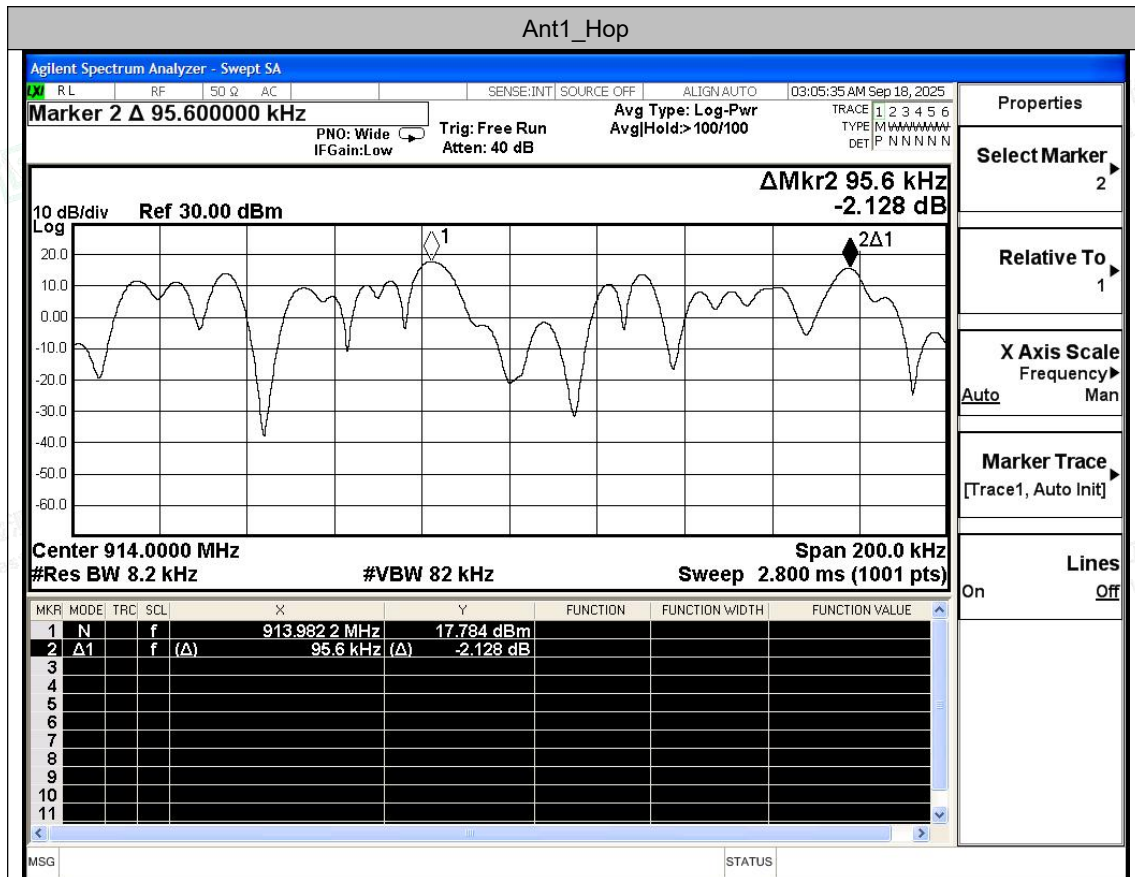


A.3 Carrier frequency separation

Test Result

Antenna	Channel[MHz]	Result[kHz]	Limit[kHz]	Verdict
Ant1	Hop	95.6	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	20	171.00	<=400	PASS



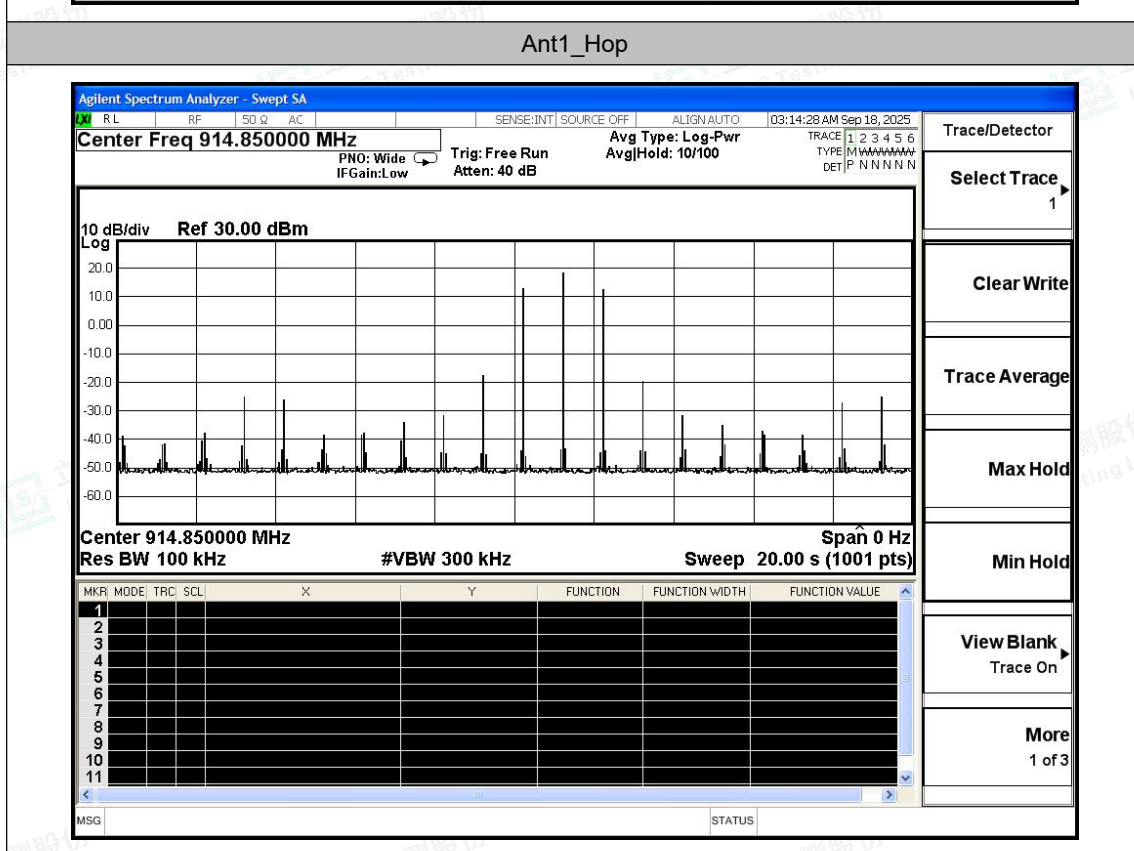
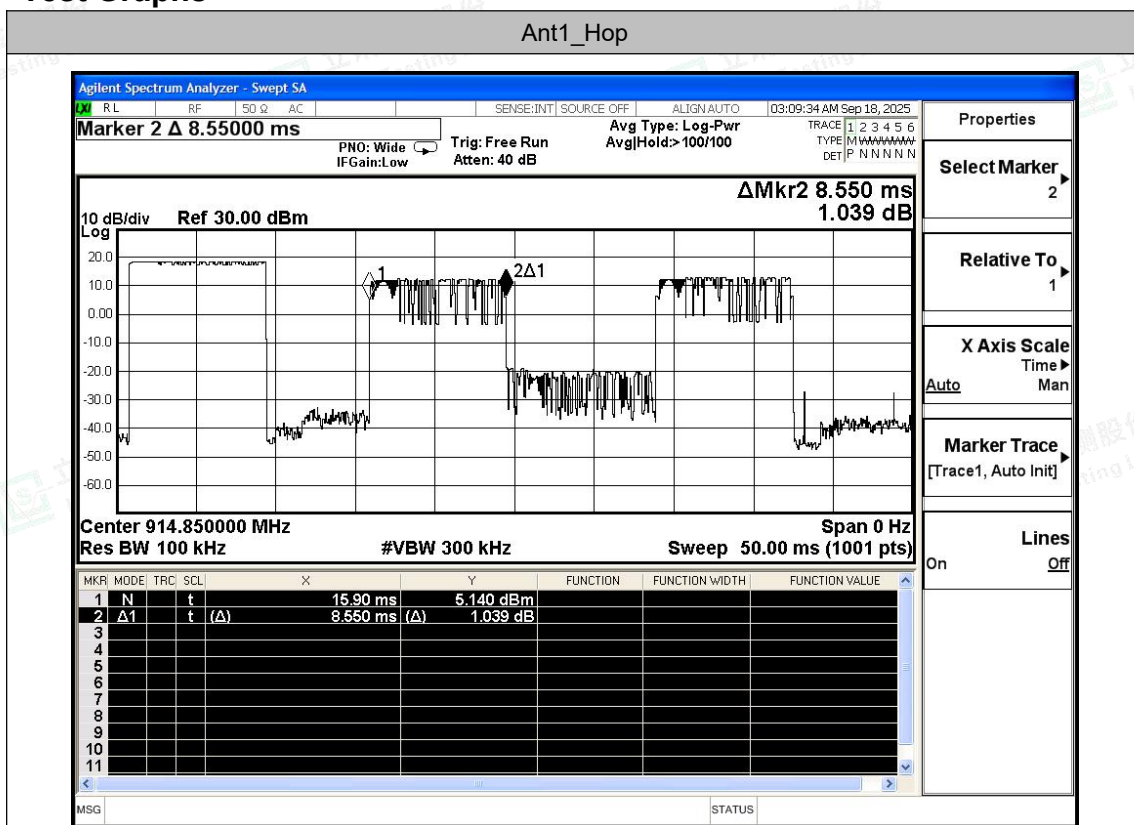
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Test Graphs



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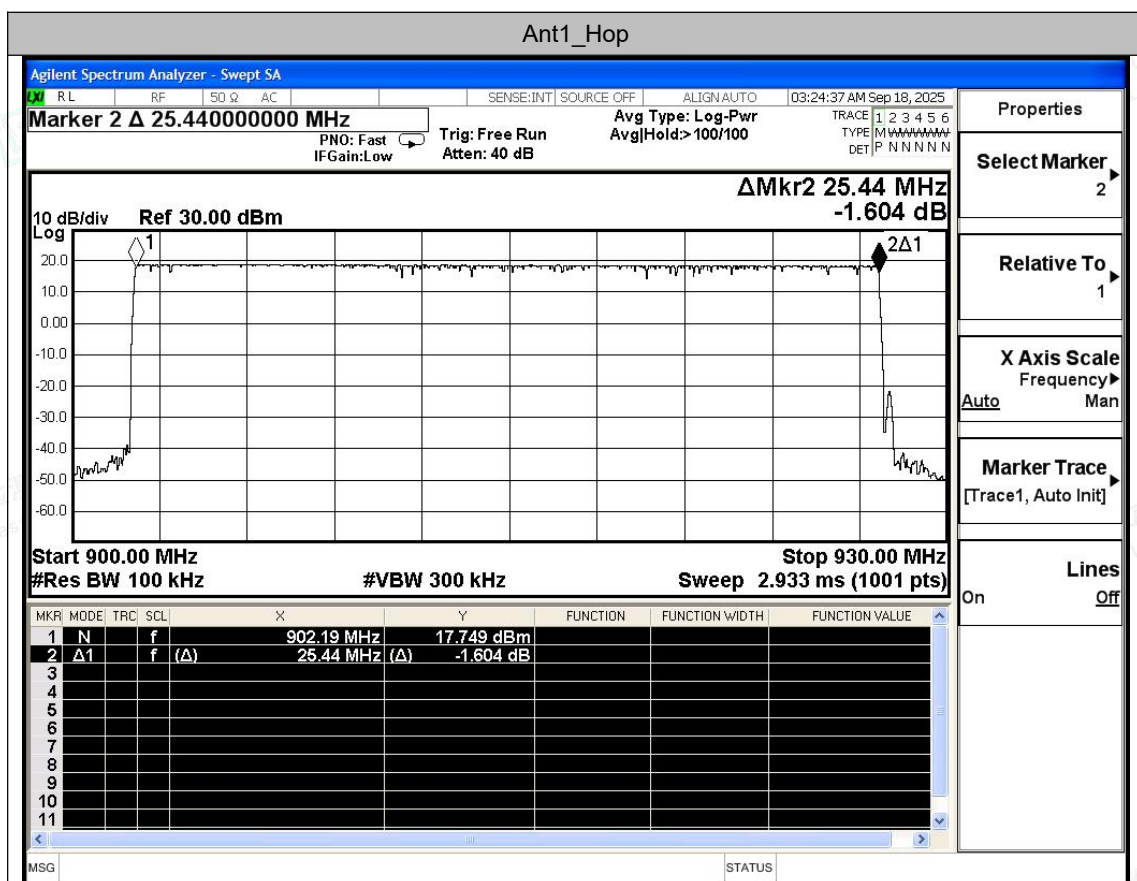


A.5 Number of hopping channels

Test Result

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

Test Graphs



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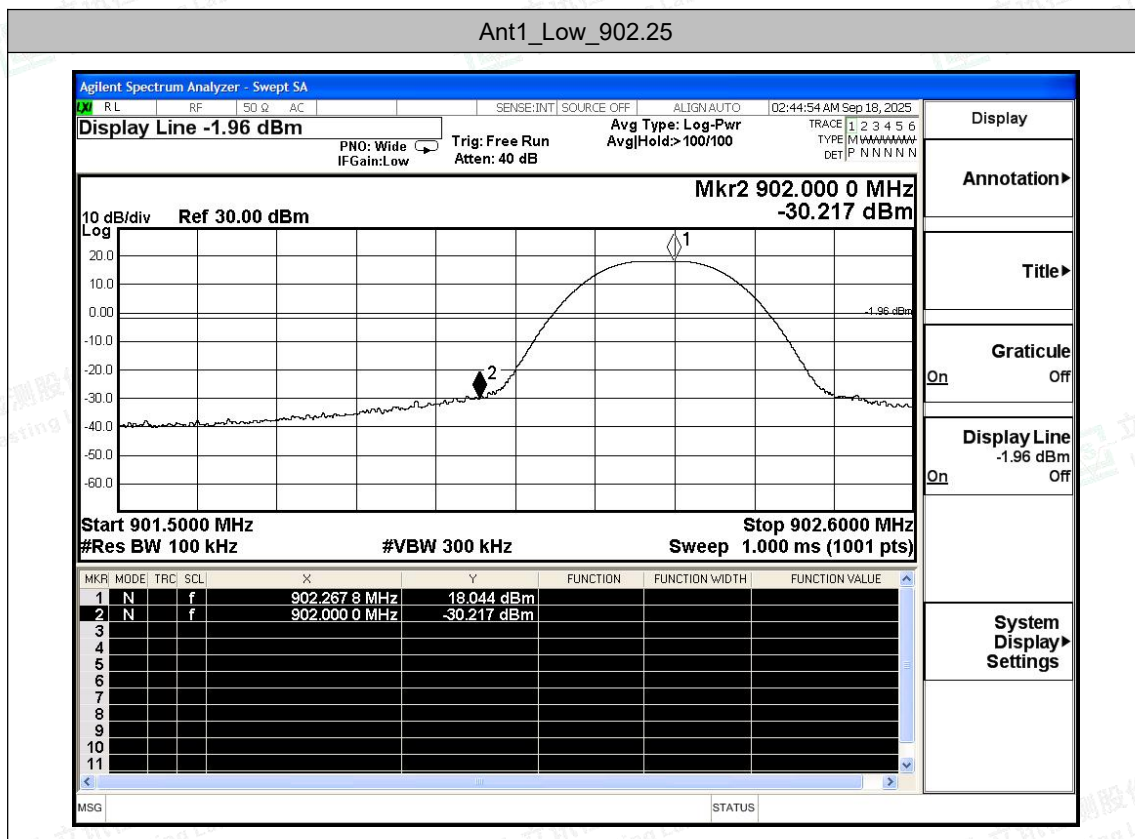


A.6 Band edge measurements

Test Result

Antenna	Ch Name	Channel[MHz]	Ref Level[dBm]	Result[dBm]	Limit[dBm]	Verdict
Ant1	Low	902.25	18.044	-30.217	<=-1.96	PASS
	High	927.55	17.682	-21.456	<=2.32	PASS
	Low	902.25	18.412	-37.524	<=-1.59	PASS
	High	927.55	18.155	-30.172	<=-1.85	PASS

Test Graphs



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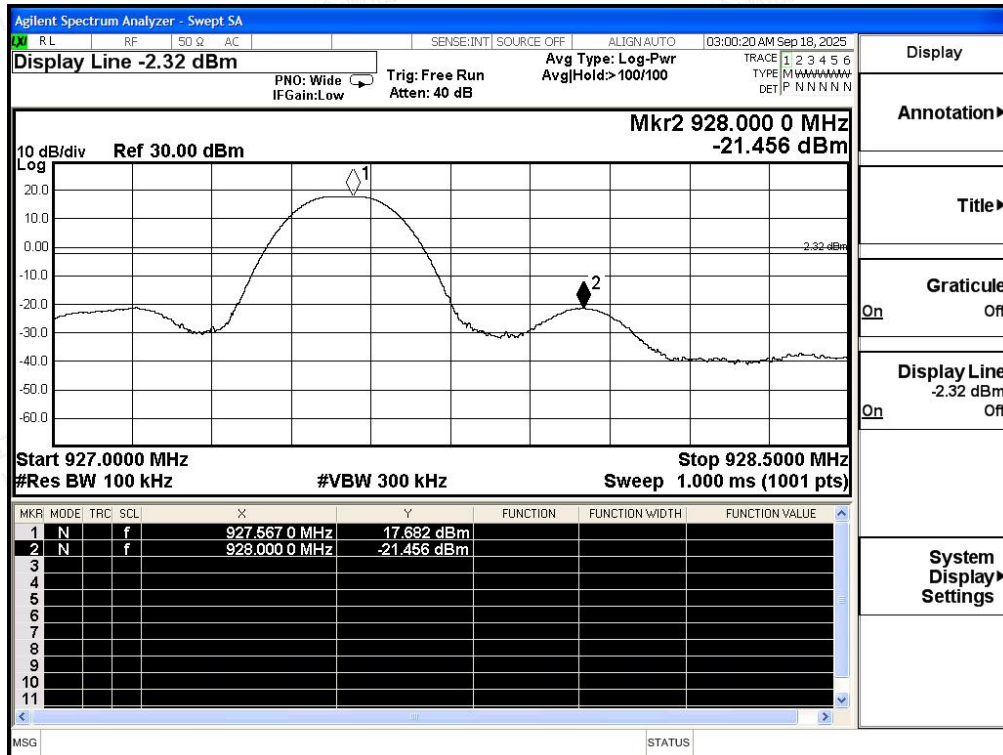
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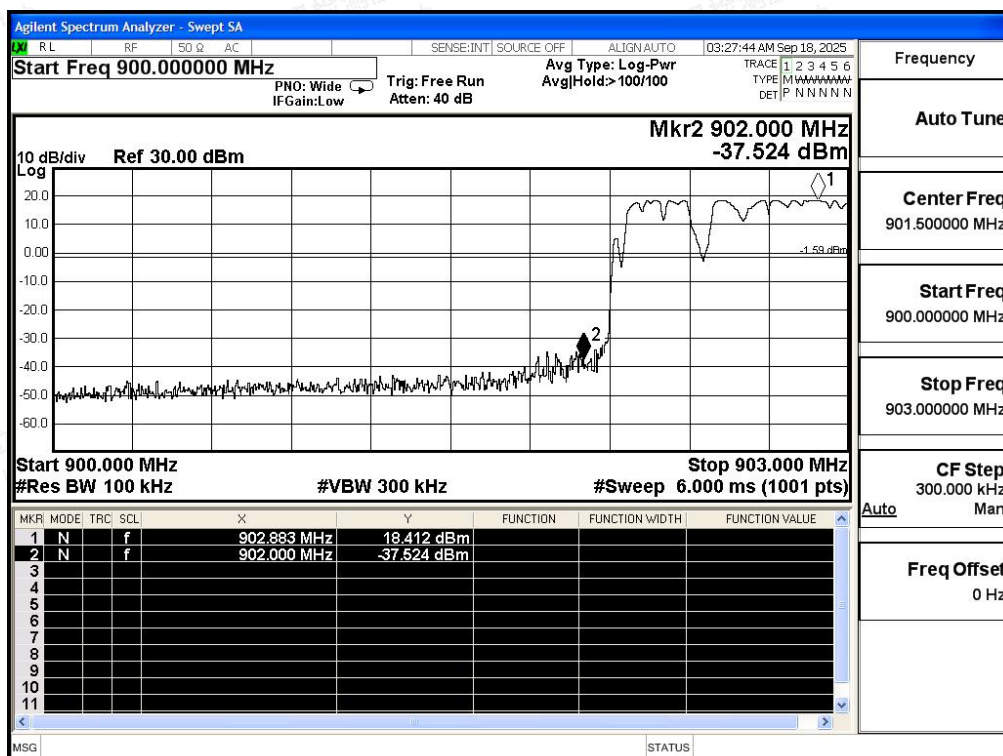
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Ant1_High_927.55



Ant1_Low_Hop_902.25



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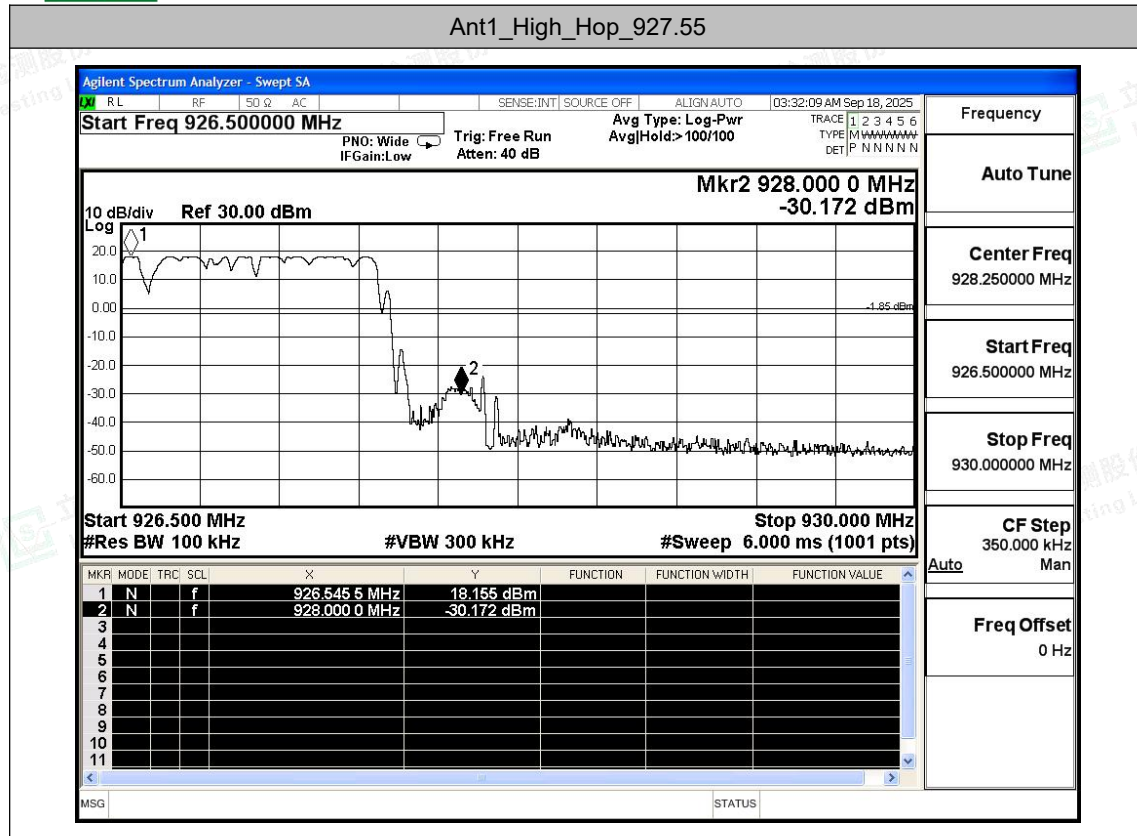
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Ant1_High_Hop_927.55



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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	18.196	-33.443	<=-1.80	PASS
	914.85	30~26500	17.440	-34.516	<=-2.56	PASS
	927.55	30~26500	17.772	-33.012	<=2.27	PASS



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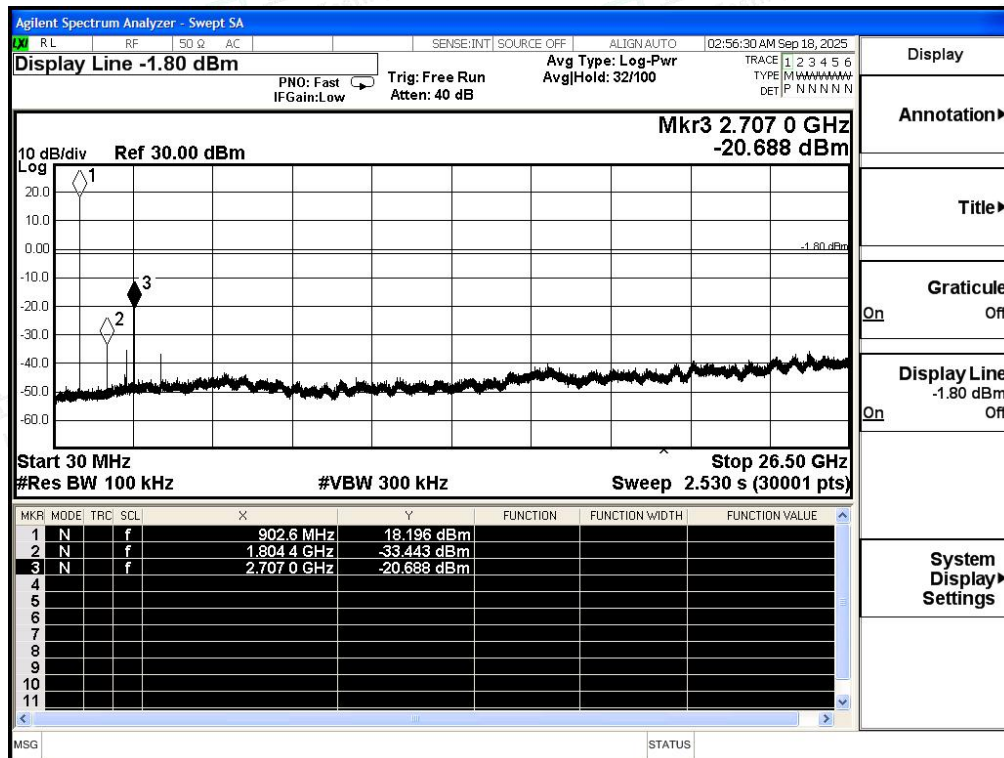
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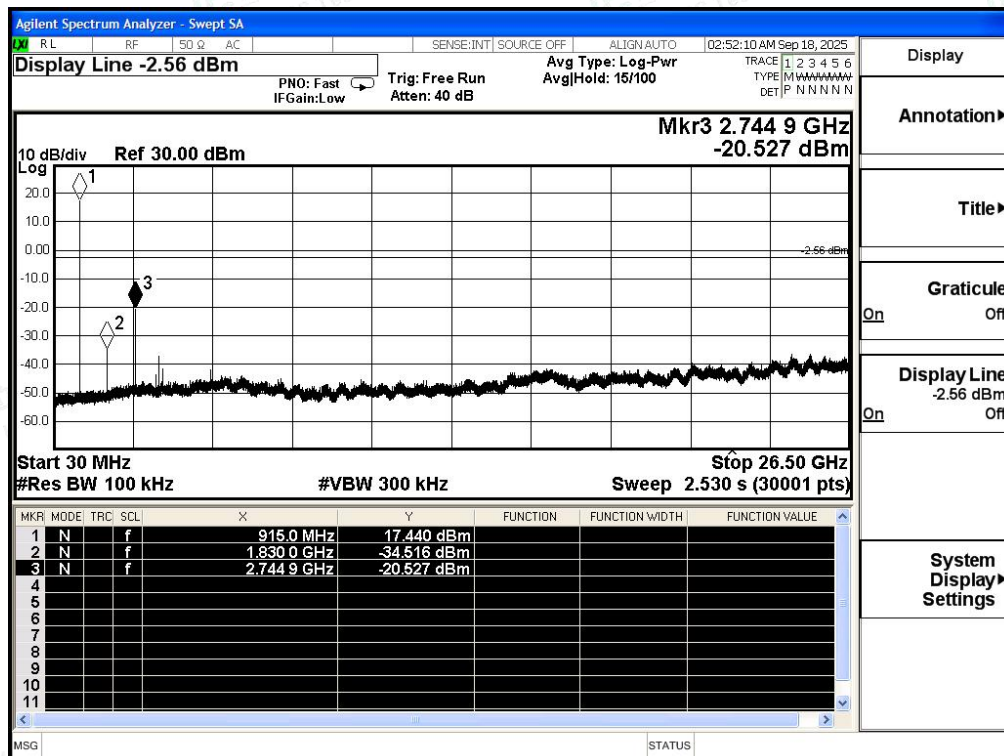


Test Graphs

Ant1_902.25_30~26500



Ant1_914.85_30~26500



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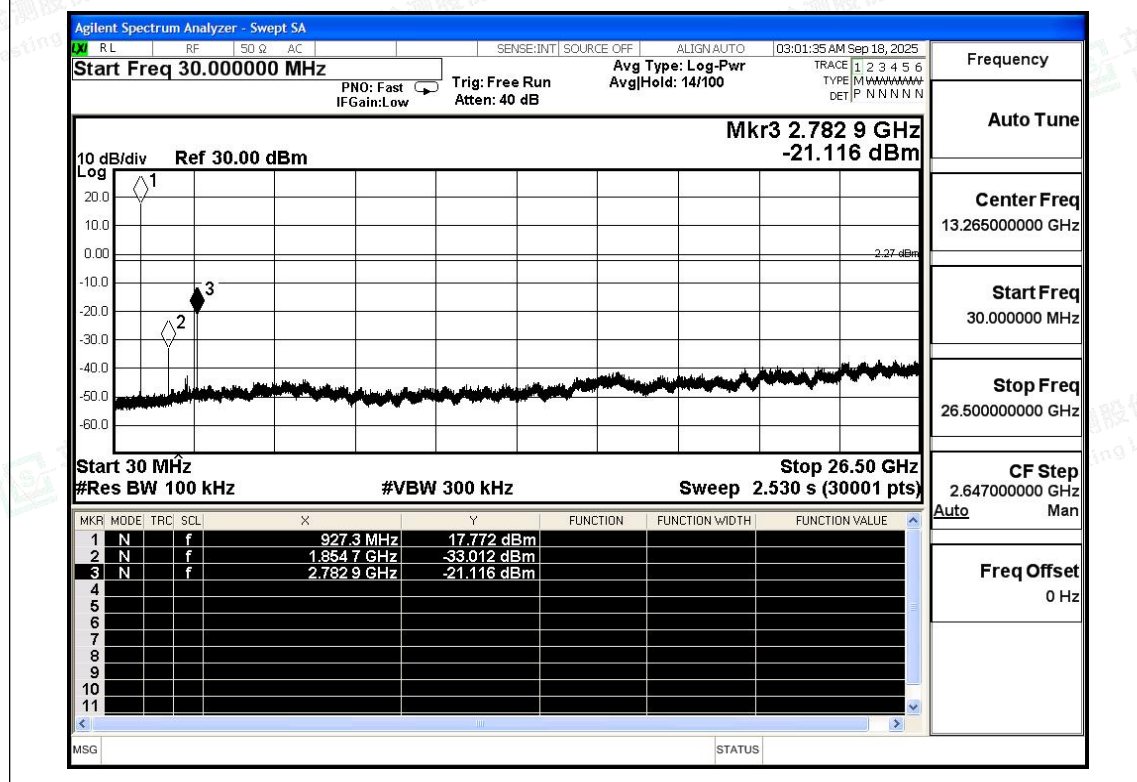
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Ant1_927.55_30~26500



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