



Appendix A

RF Test Data for 900MHz (Conducted Measurement)

Product Name: Wireless Electronic Water Valve

Test Model: WV2M

Environmental Conditions

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



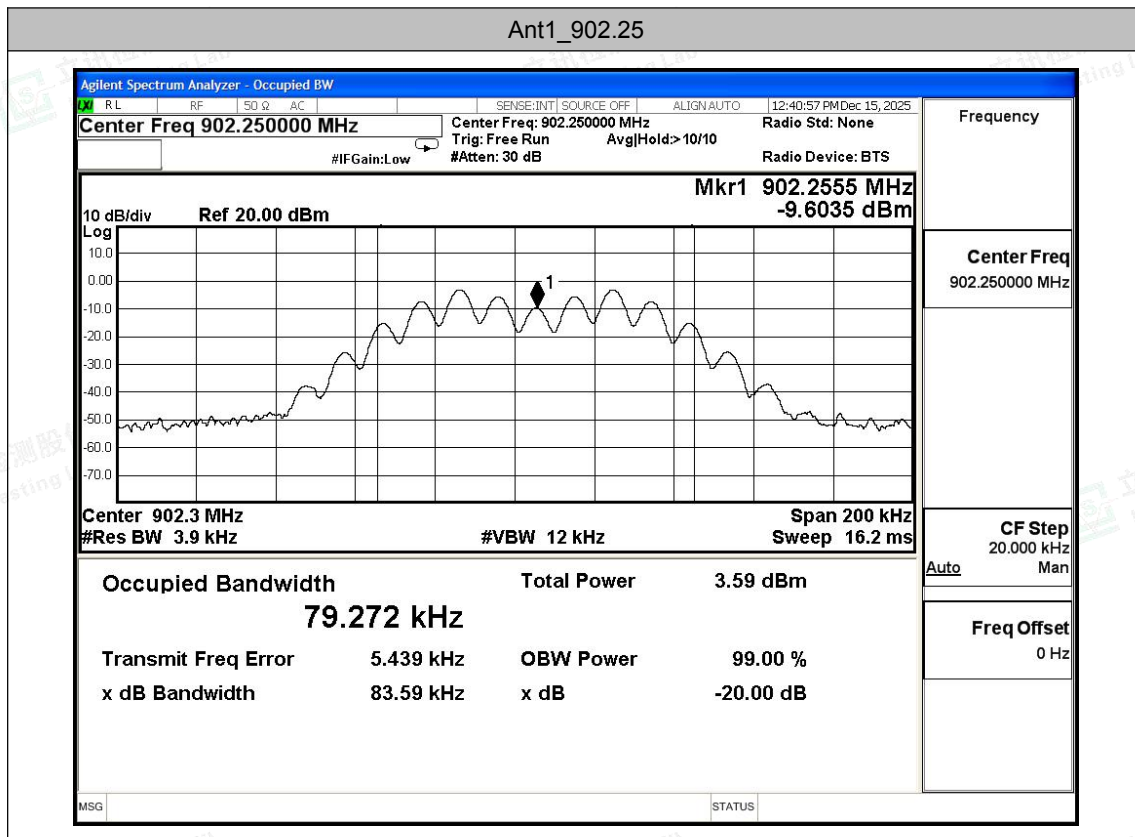


A.1 20dB Emission Bandwidth

Test Result

Antenna	Channel[MHz]	20db EBW[kHz]	Limit[MHz]	Verdict
Ant1	902.25	83.59	---	PASS
	914.85	83.69	---	PASS
	927.55	82.12	---	PASS

Test Graphs



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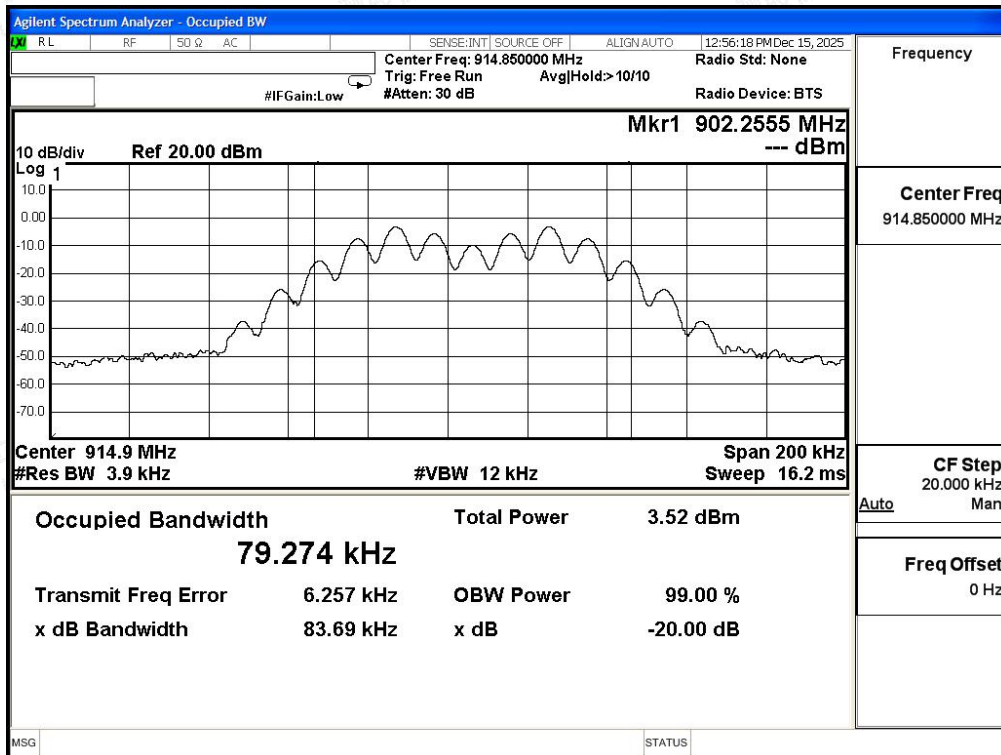
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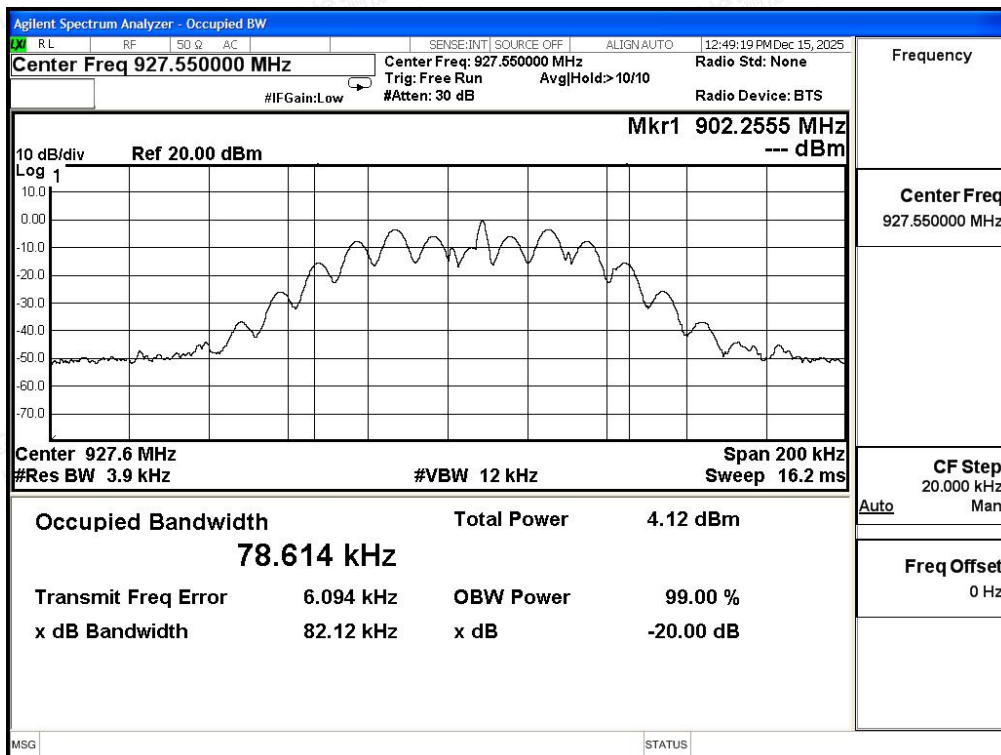
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Ant1_914.85



Ant1_927.55



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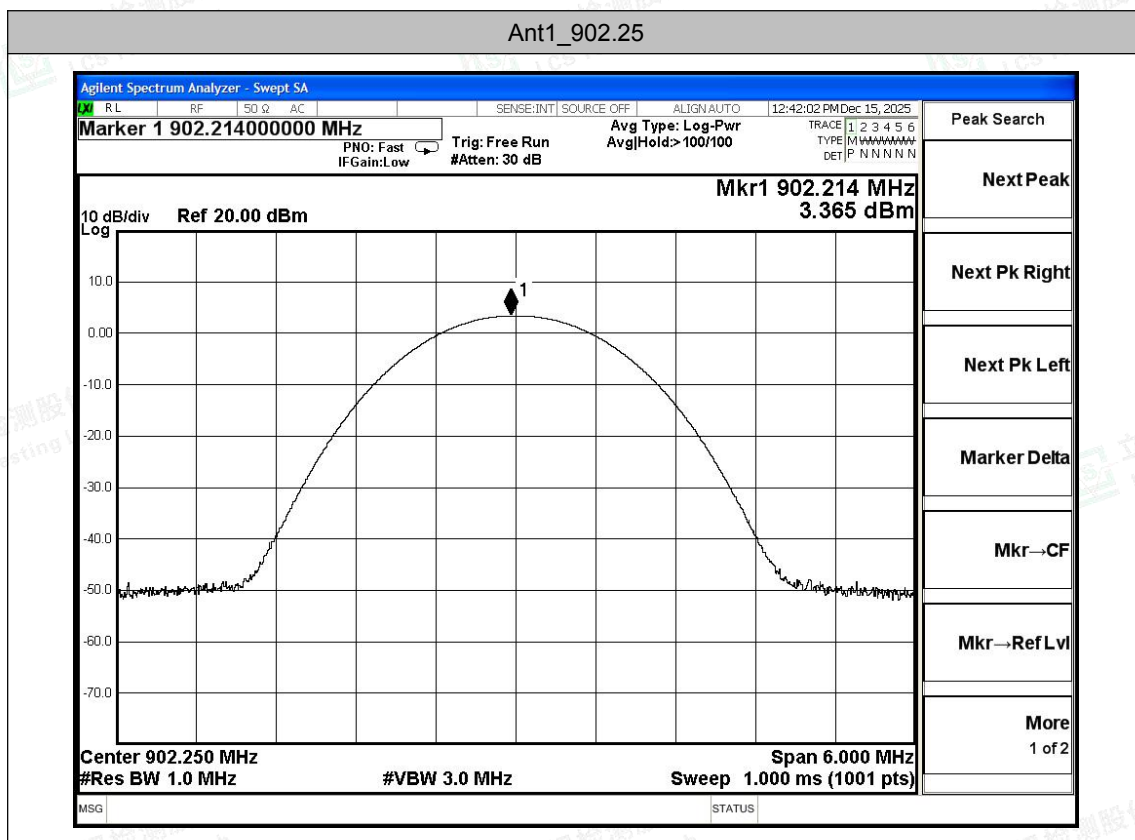


A.2 Maximum Peak Conducted Output Power

Test Result Peak

Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
Ant1	902.25	3.37	≤30	PASS
	914.85	3.15	≤30	PASS
	927.55	2.95	≤30	PASS

Test Graphs



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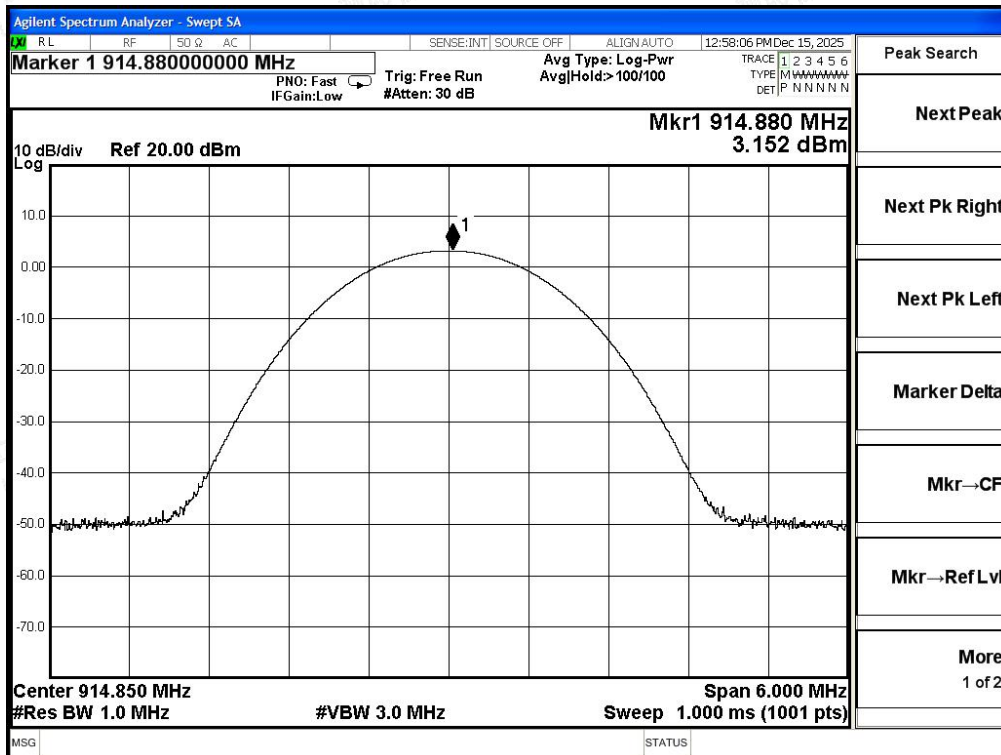
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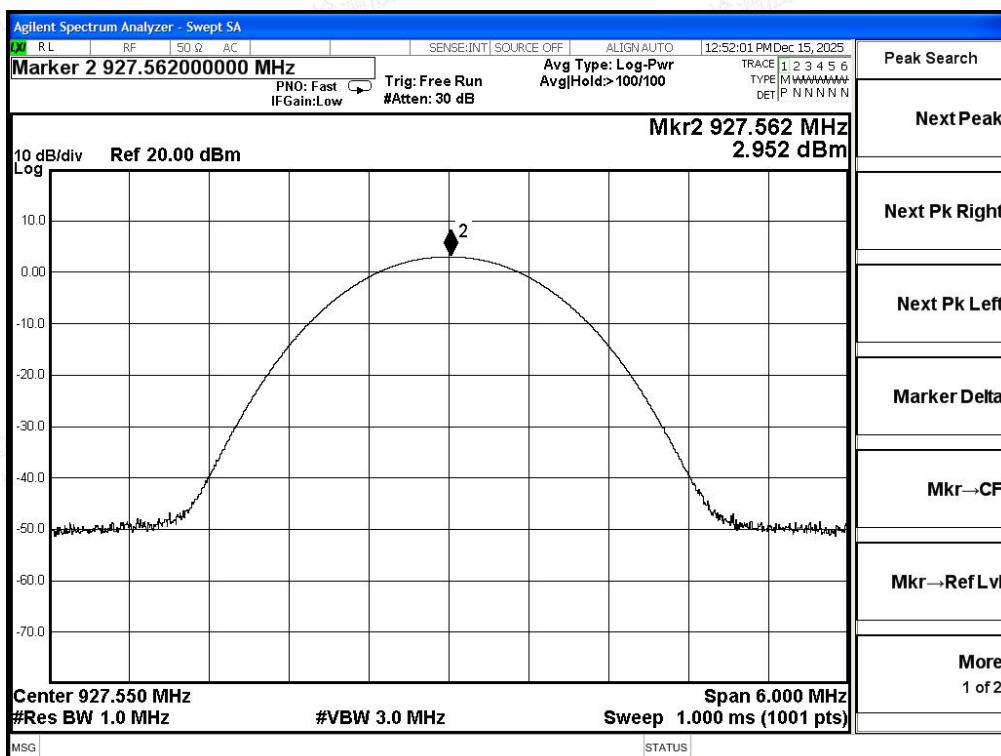
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Ant1_914.85



Ant1_927.55



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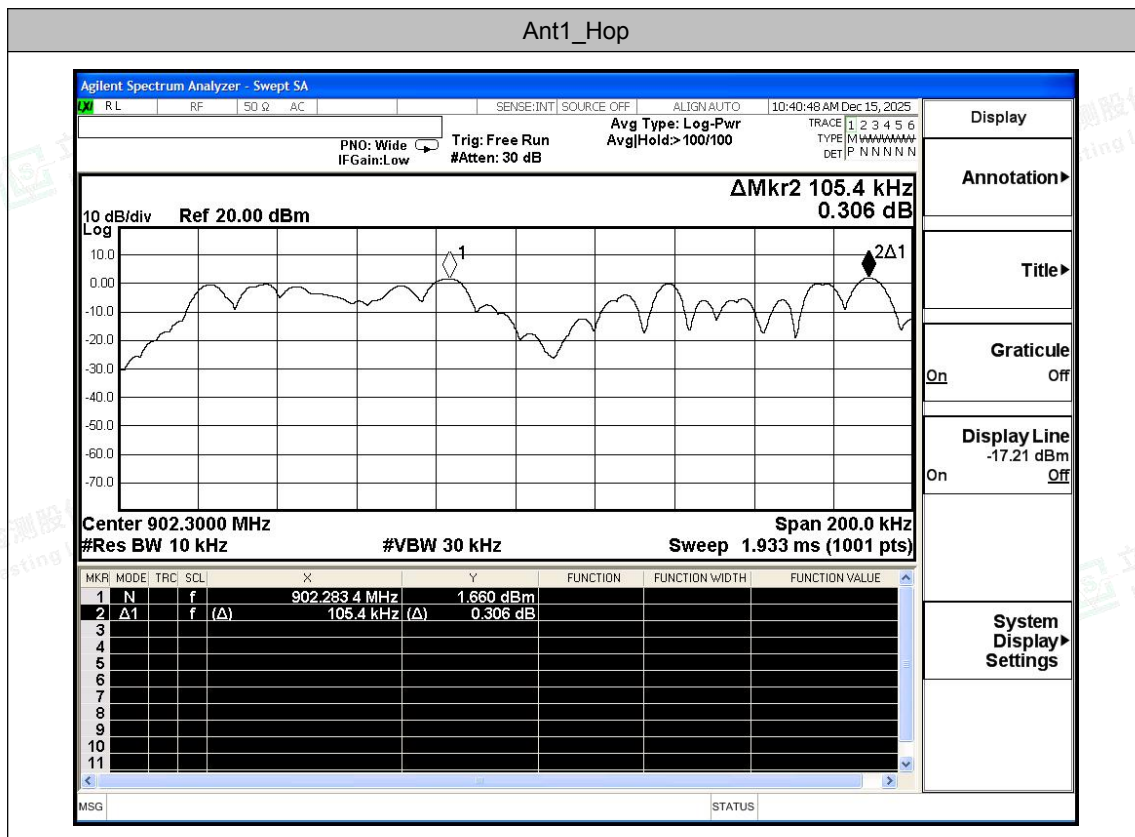


A.3 Carrier frequency separation

Test Result

Antenna	Channel[MHz]	Result[kHz]	Limit[kHz]	Verdict
Ant1	Hop	105.4	83.61	PASS

Test Graphs



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A.4 Time of occupancy

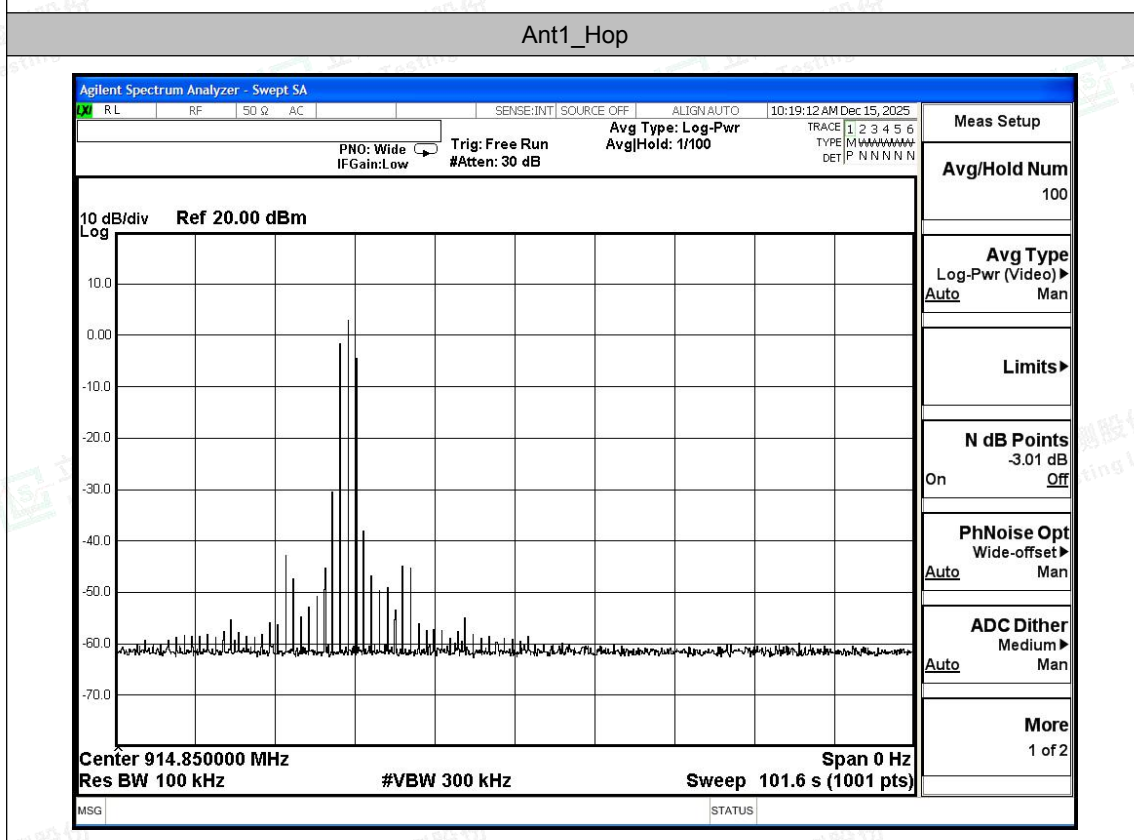
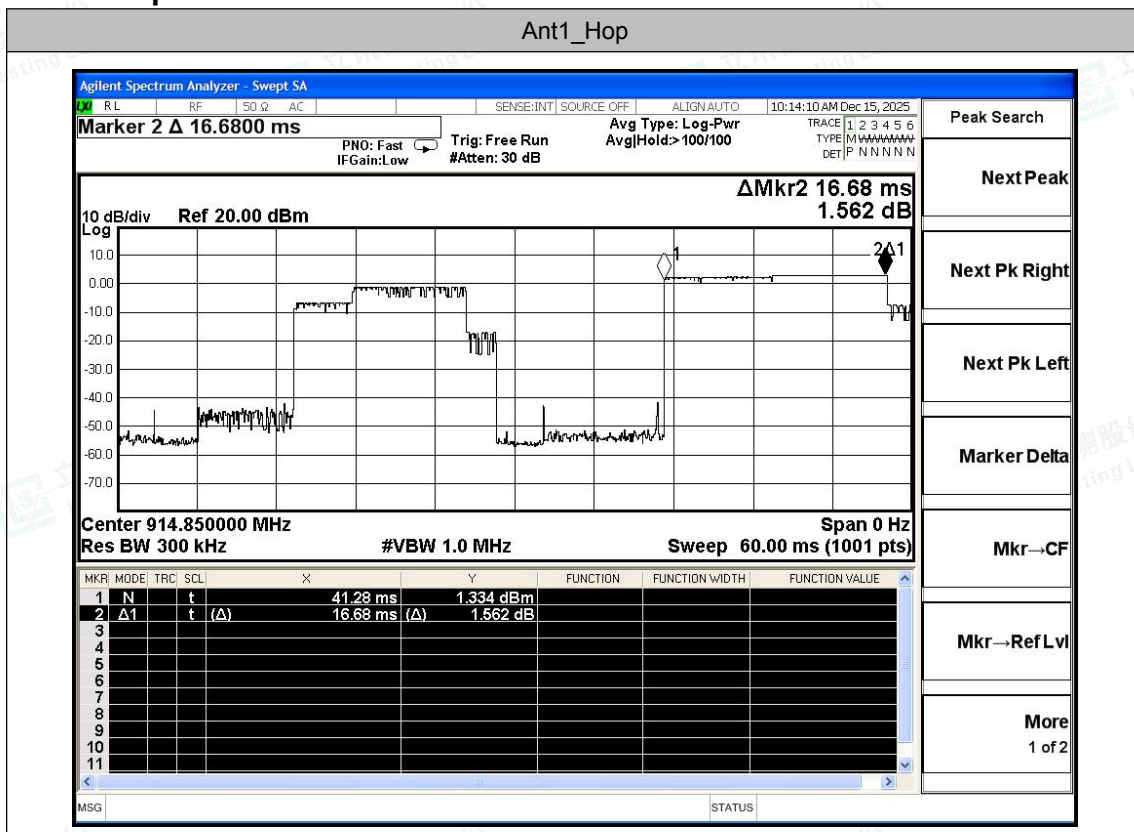
Test Result

Antenna	Channel[MHz]	Burst Width[ms]	Total Hops[Num]	Result[ms]	Limit[ms]	Verdict
Ant1	Hop	16.68	3	50.4	<=400	PASS





Test Graphs



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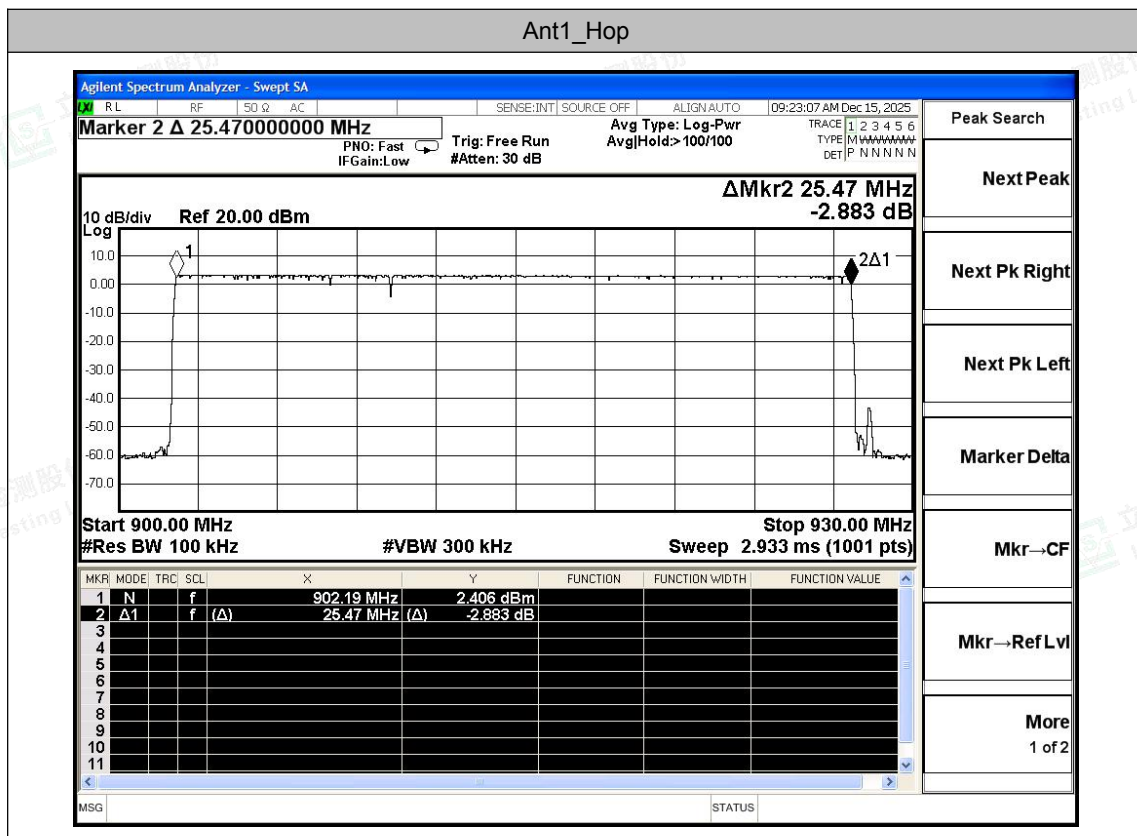


A.5 Number of hopping channels

Test Result

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

Test Graphs



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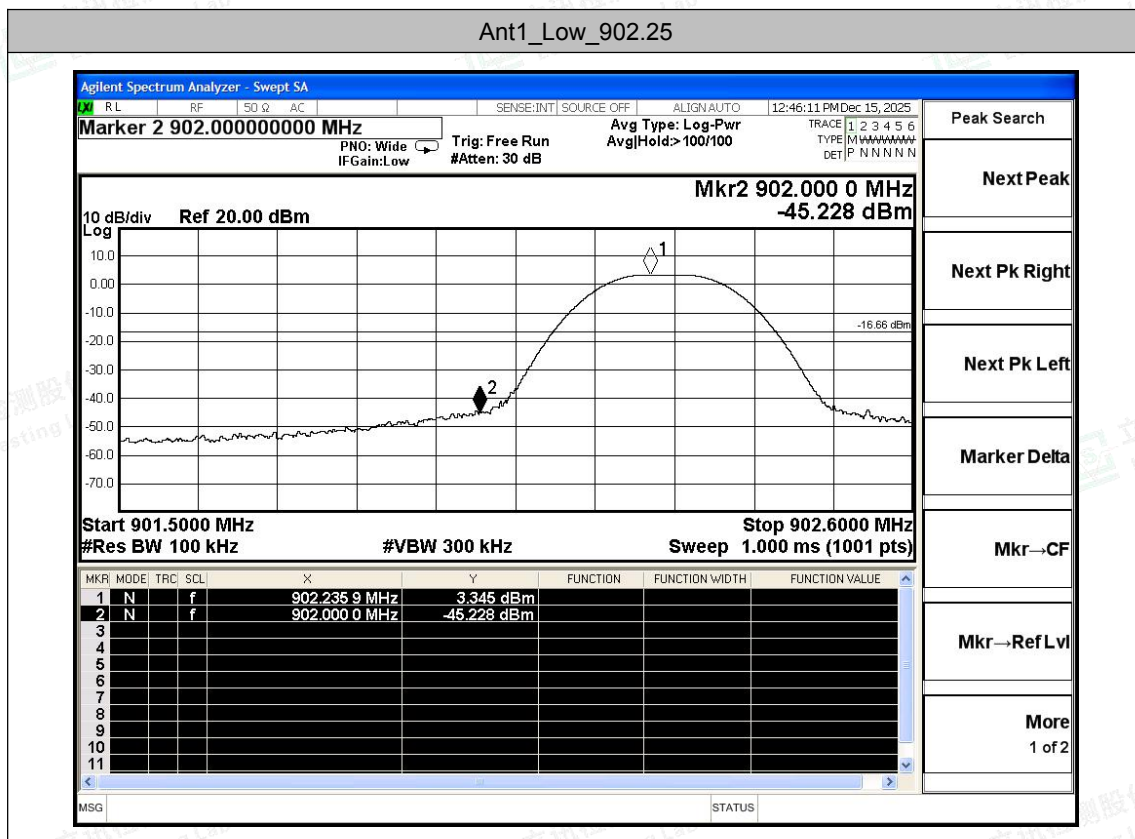


A.6 Band edge measurements

Test Result

Antenna	Ch Name	Channel[MHz]	Ref Level[dBm]	Result[dBm]	Limit[dBm]	Verdict
Ant1	Low	902.25	16.66	-45.228	<=-3.34	PASS
	High	927.55	17.06	-47.776	<=2.94	PASS
	Low	Hop_902.25	16.81	-60.012	<=-3.19	PASS
	High	Hop_927.55	17.21	-55.50	<=-2.79	PASS

Test Graphs



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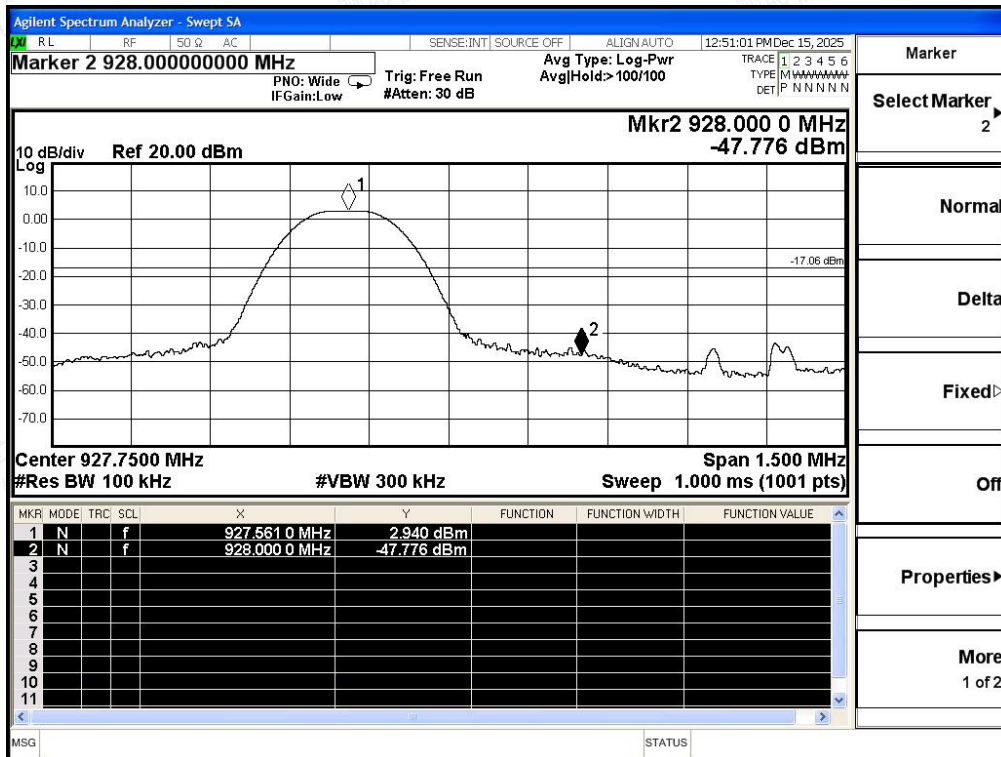
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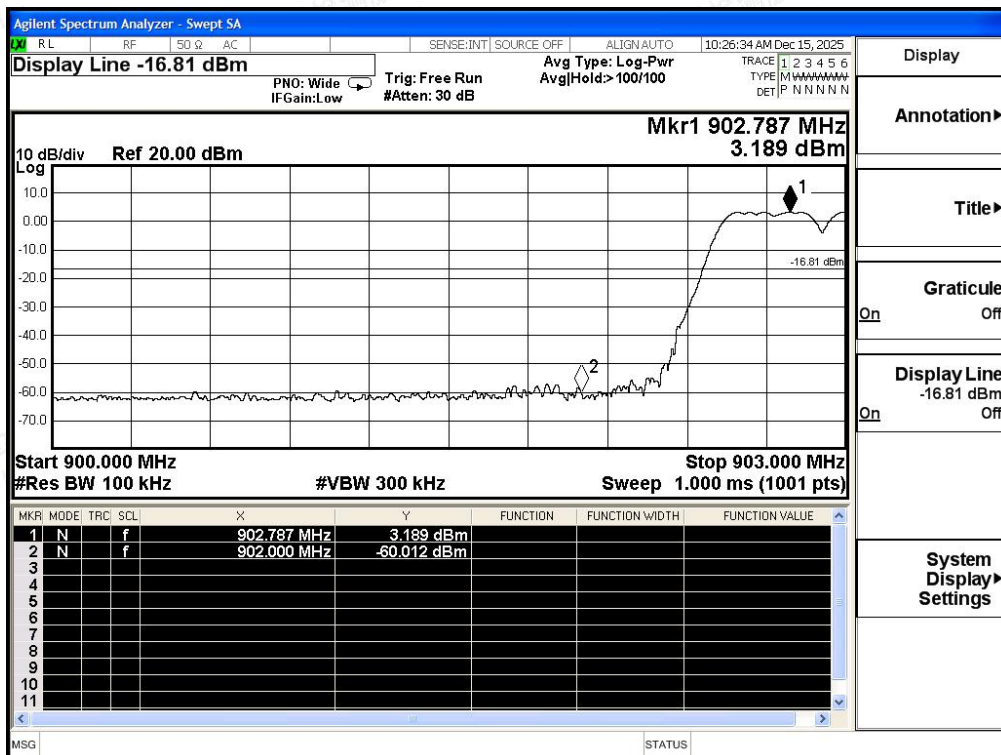
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Ant1_High_927.55



Ant1_Low_Hop_902.25



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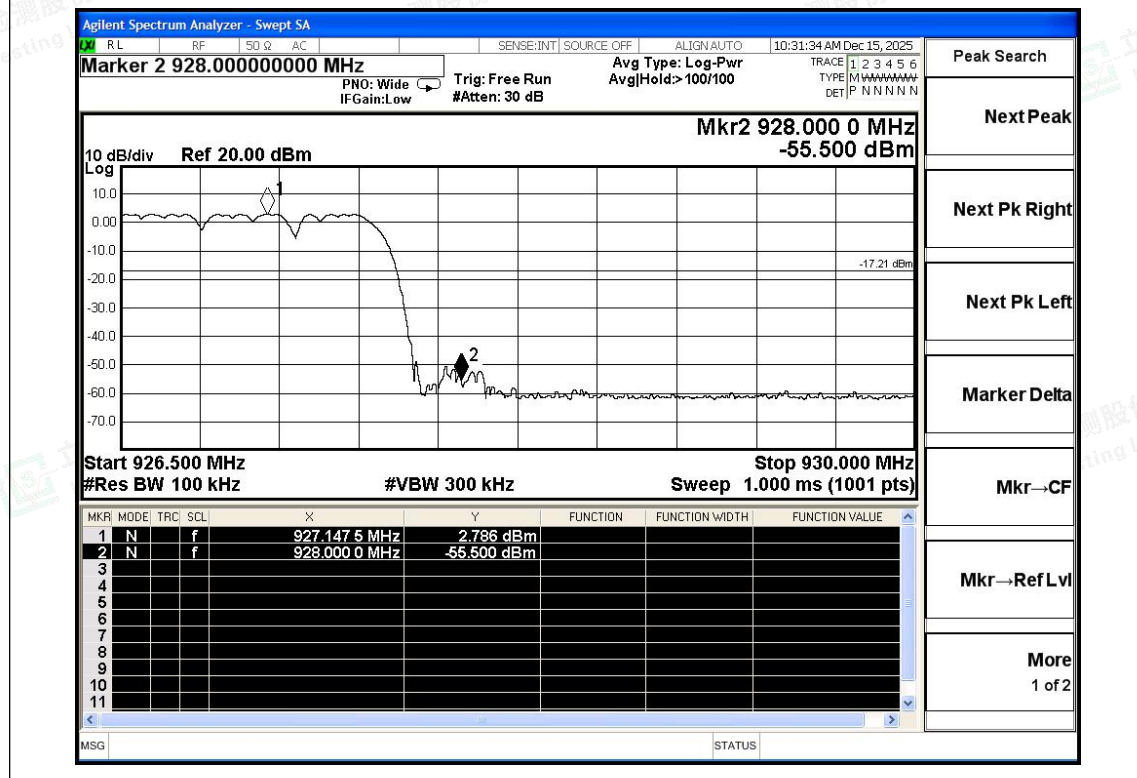
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Ant1_High_Hop_927.55



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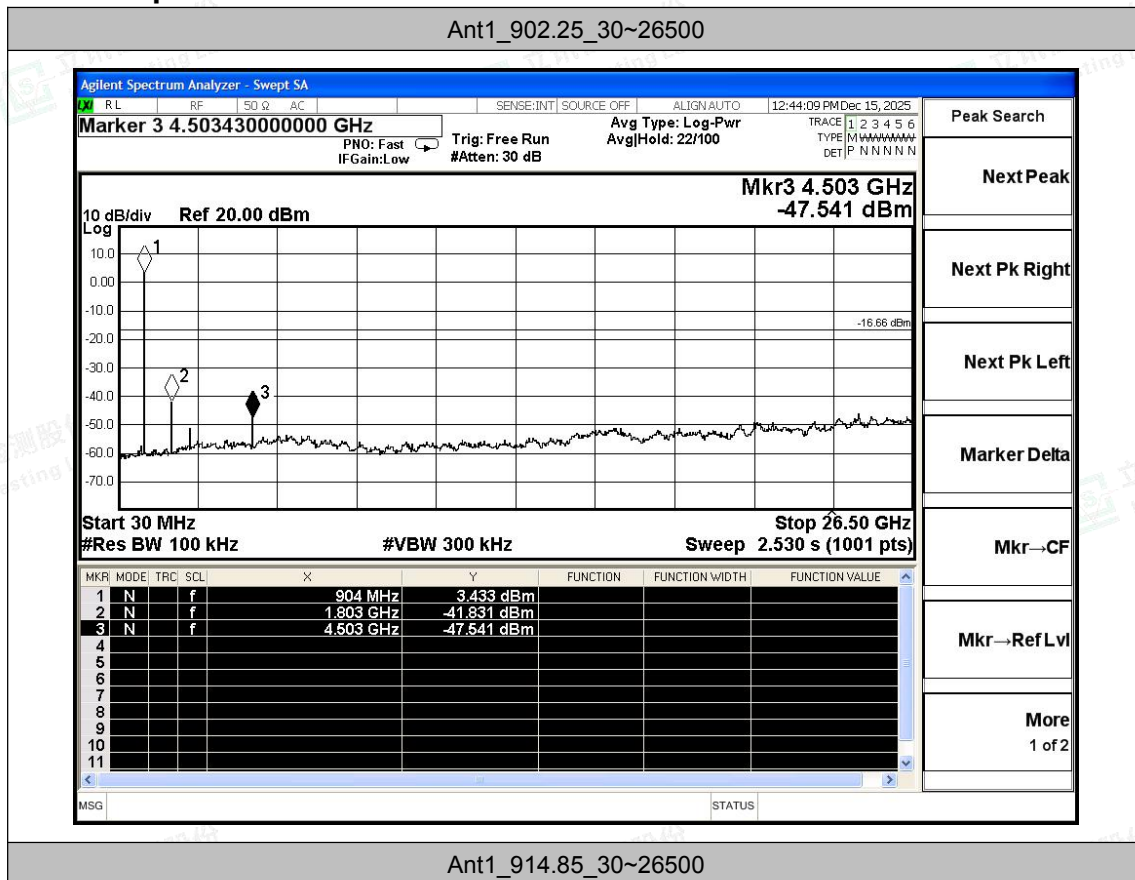


A.7 Conducted Spurious Emission

Test Result

Antenna	Channel[MHz]	Freq Range [MHz]	Ref Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
Ant1	902.25	30~26500	16.66	-47.541	<=-3.44	PASS
	914.85	30~26500	16.76	-48.542	<=-3.24	PASS
	927.55	30~26500	17.03	-50.715	<=-2.99	PASS

Test Graphs

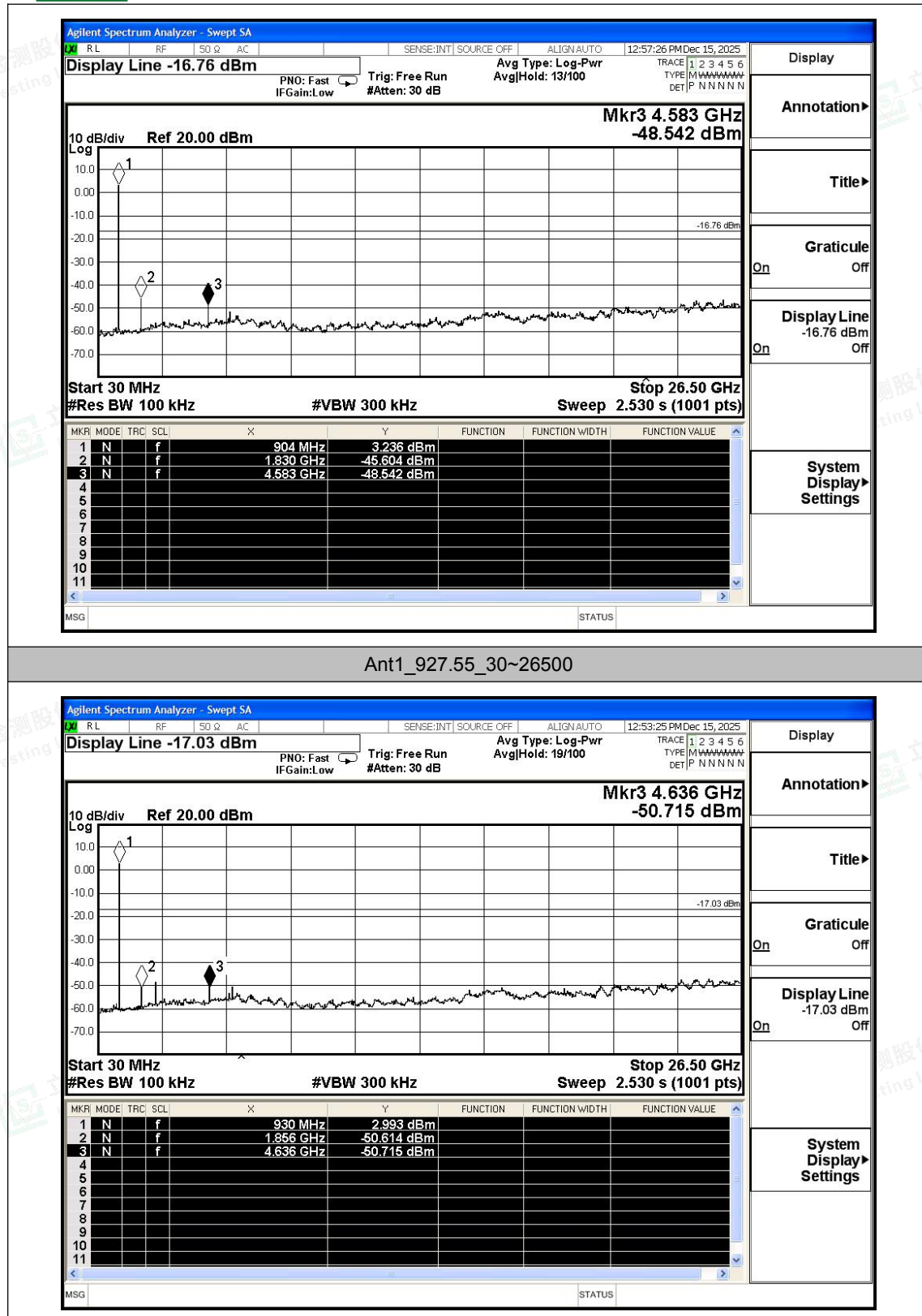


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