



Appendix A

RF Test Data for 900MHz (Conducted Measurement)

Product Name: AXON

Test Model: AXON

Environmental Conditions

Temperature:	23.7°C
Relative Humidity:	52.8%
ATM Pressure:	100.0 kPa
Test Engineer:	Can Kun
Supervised by:	Paddi Chen



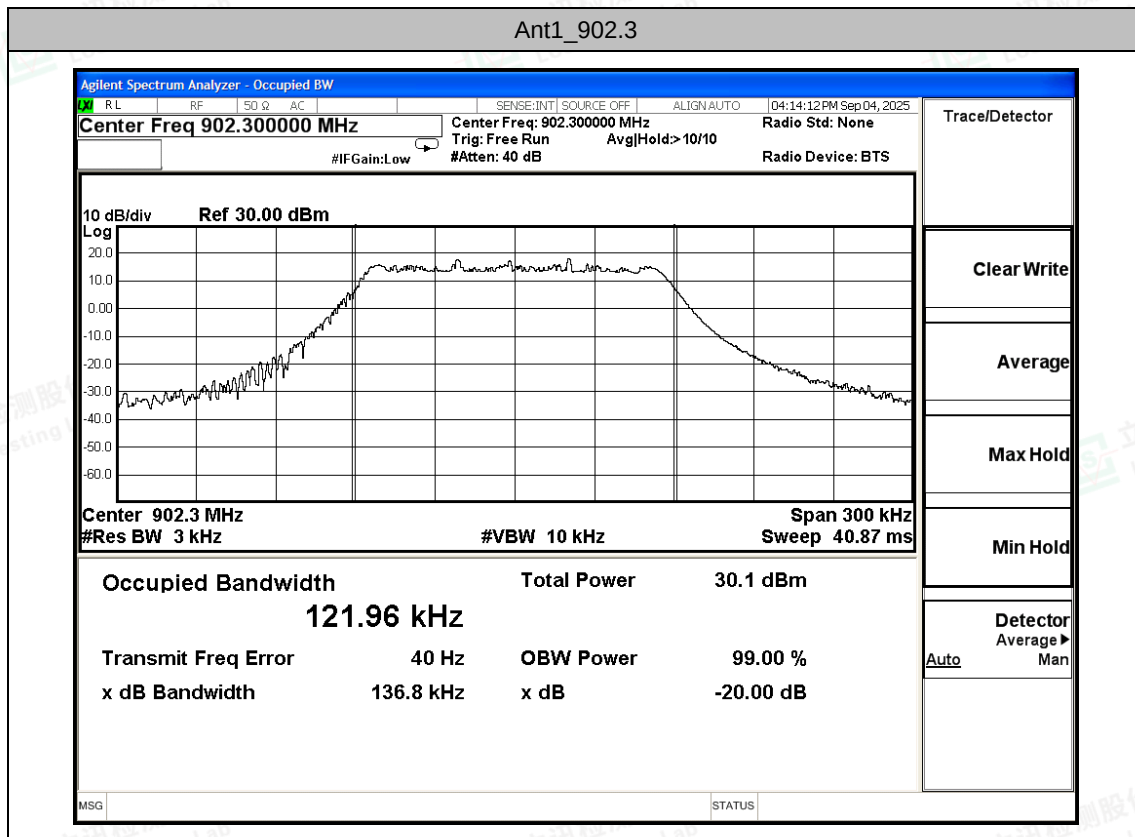


A.1 20dB Emission Bandwidth

Test Result

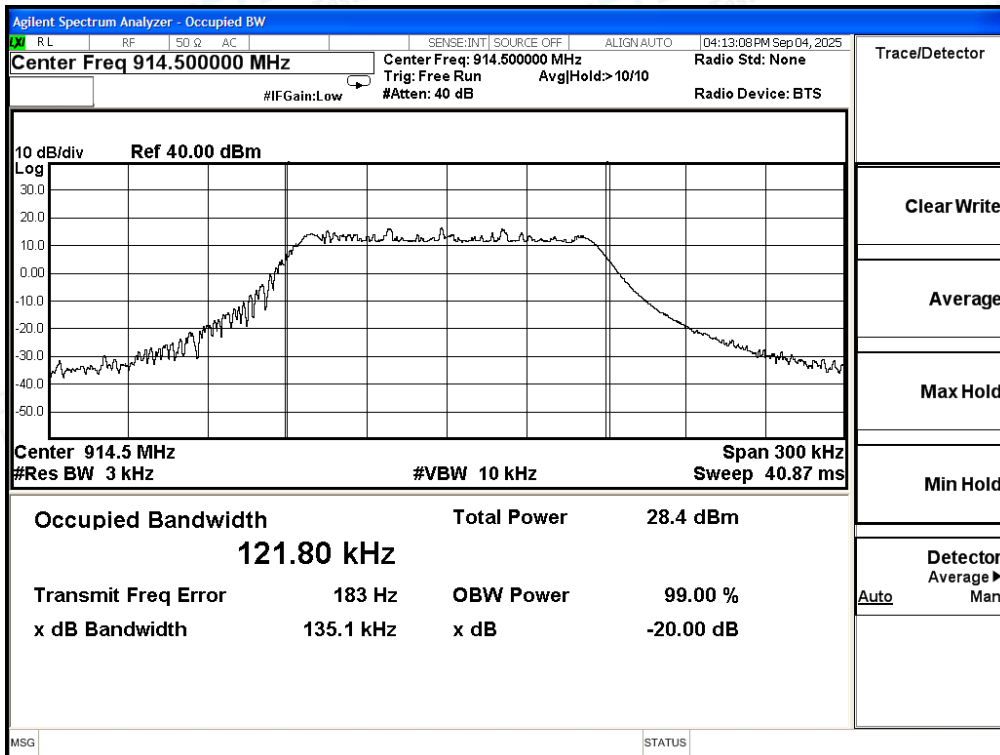
Antenna	Channel[MHz]	20db EBW[kHz]	Limit[MHz]	Verdict
Ant1	902.3	136.8	No Limit	PASS
	914.5	135.1	No Limit	PASS
	926.8	135.0	No Limit	PASS

Test Graphs

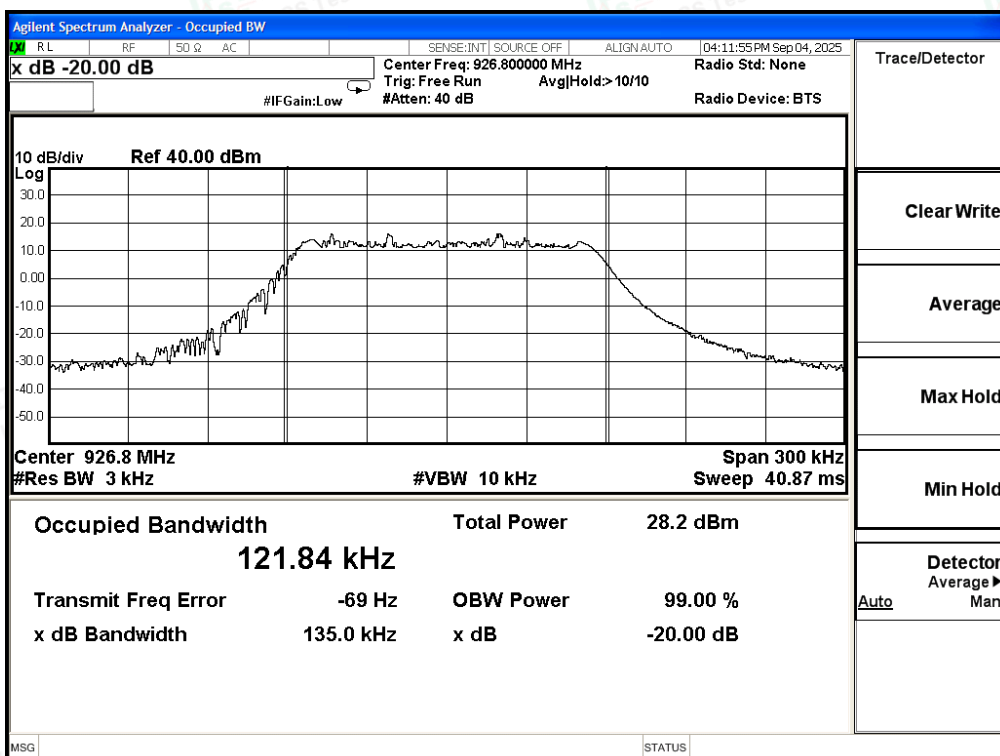




Ant1_914.5



Ant1_926.8



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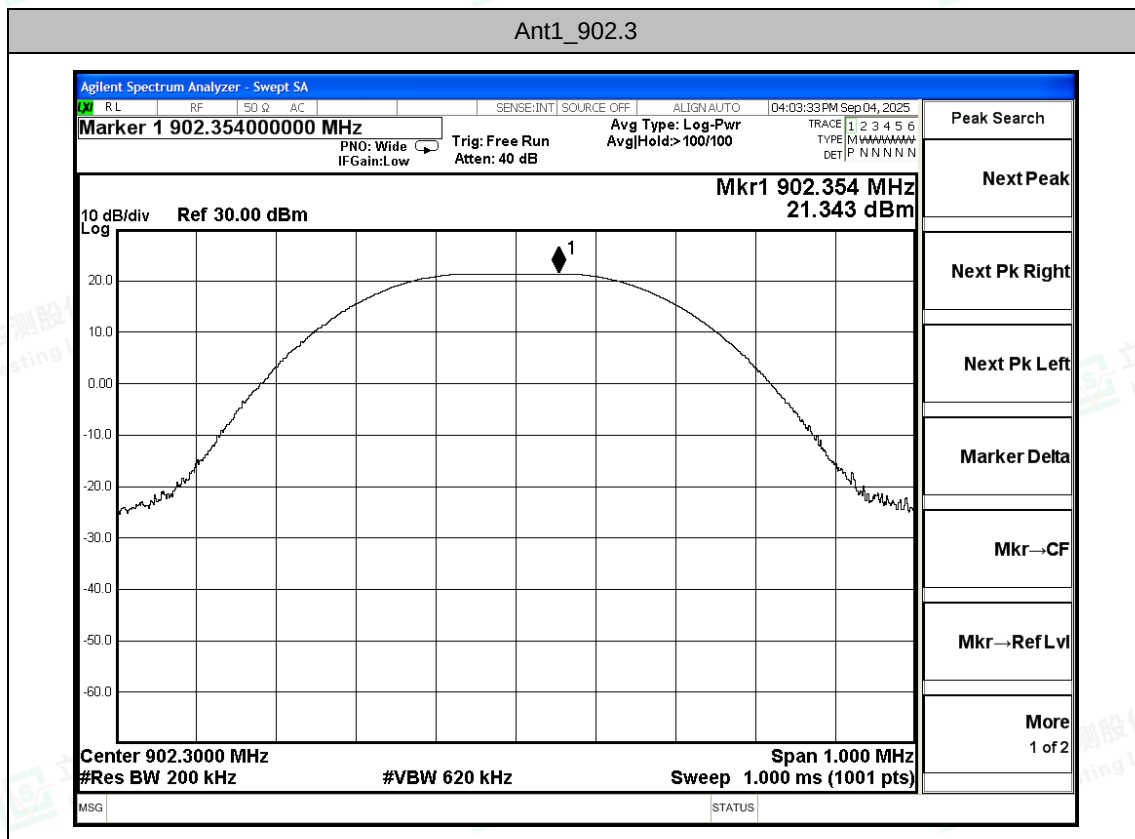


A.2 Maximum Peak Conducted Output Power

Test Result Peak

Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
Ant1	902.3	21.343	≤30	PASS
	914.5	19.671	≤30	PASS
	926.8	19.367	≤30	PASS

Test Graphs



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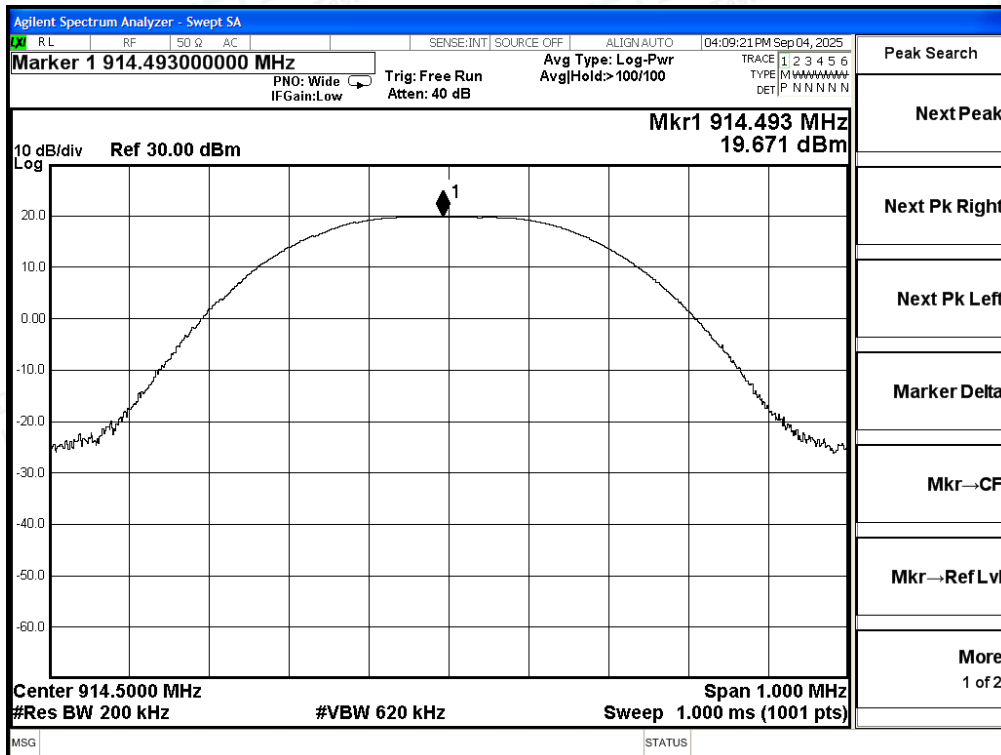
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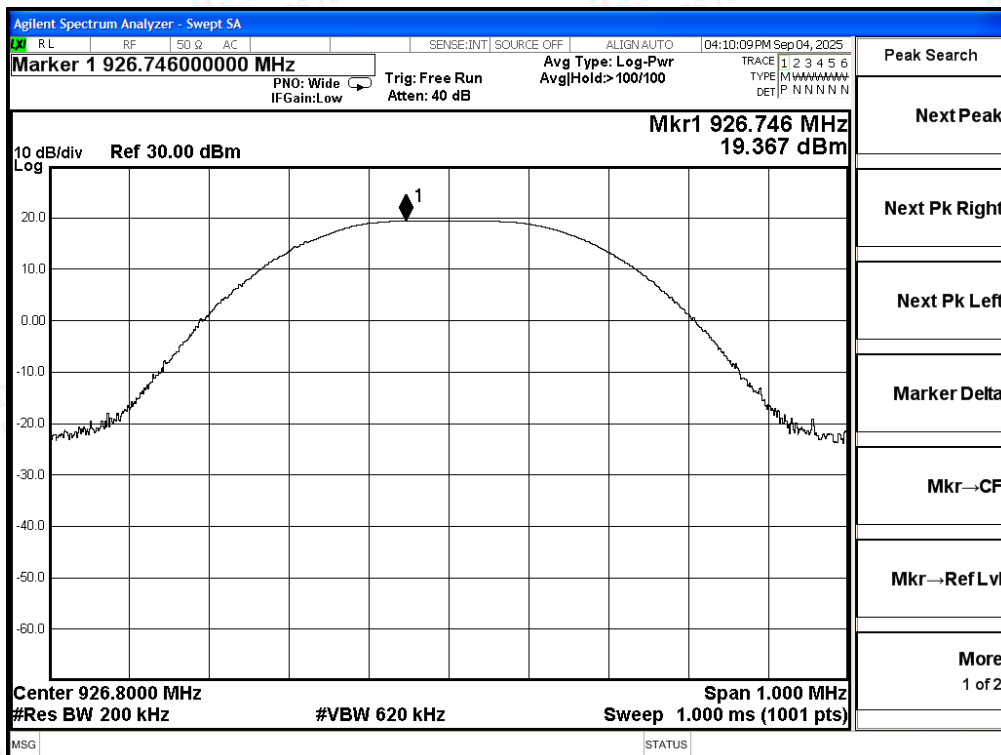
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Ant1_914.5



Ant1_926.8



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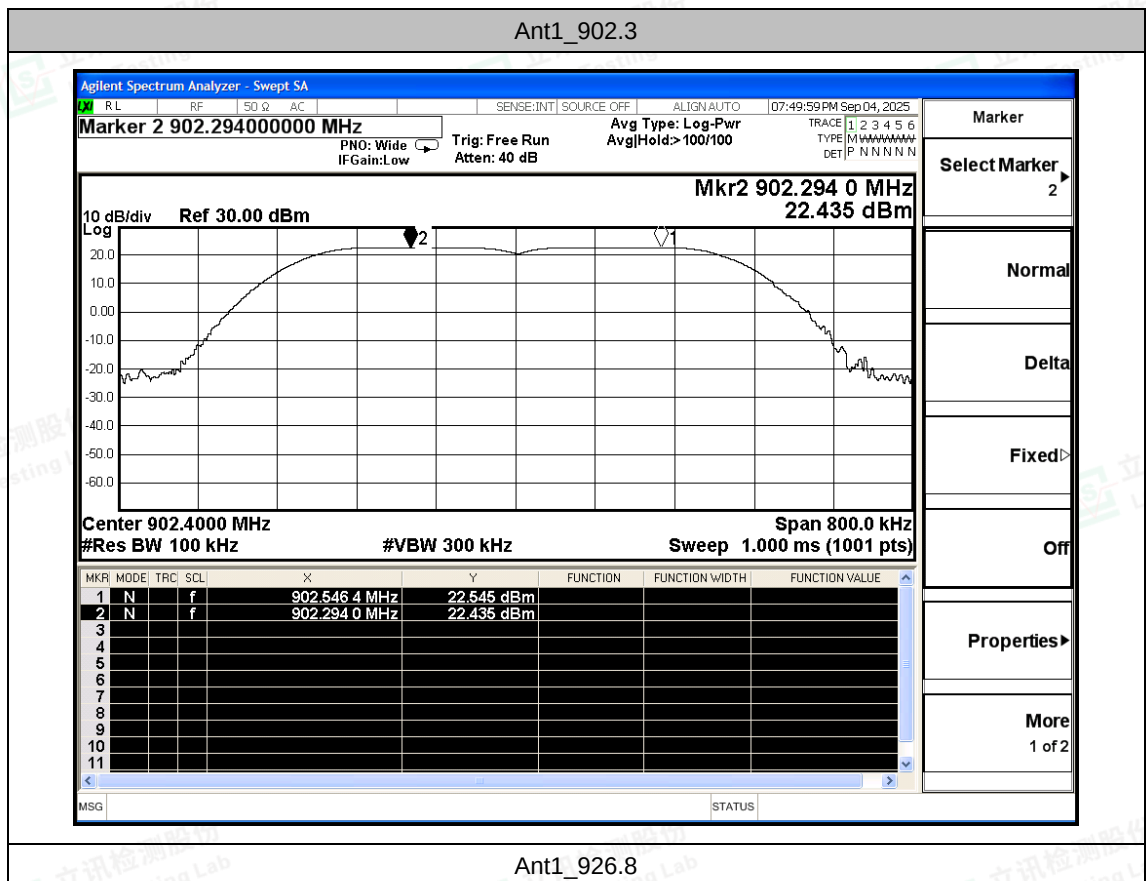


A.3 Carrier frequency separation

Test Result

Antenna	Frequency[MHz]	Result[kHz]	Limit[kHz]	Verdict
Ant1	902.3	252.4	91.2	PASS
Ant1	926.8	210.4	90.0	PASS

Test Graphs

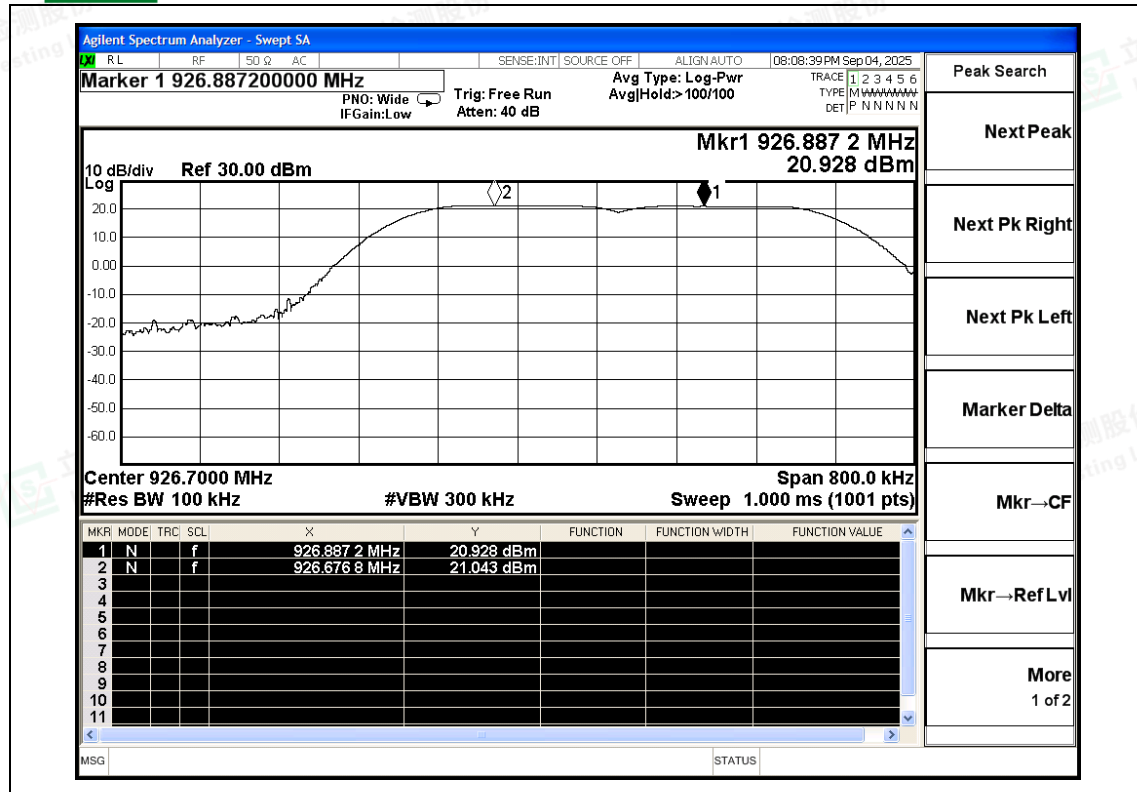


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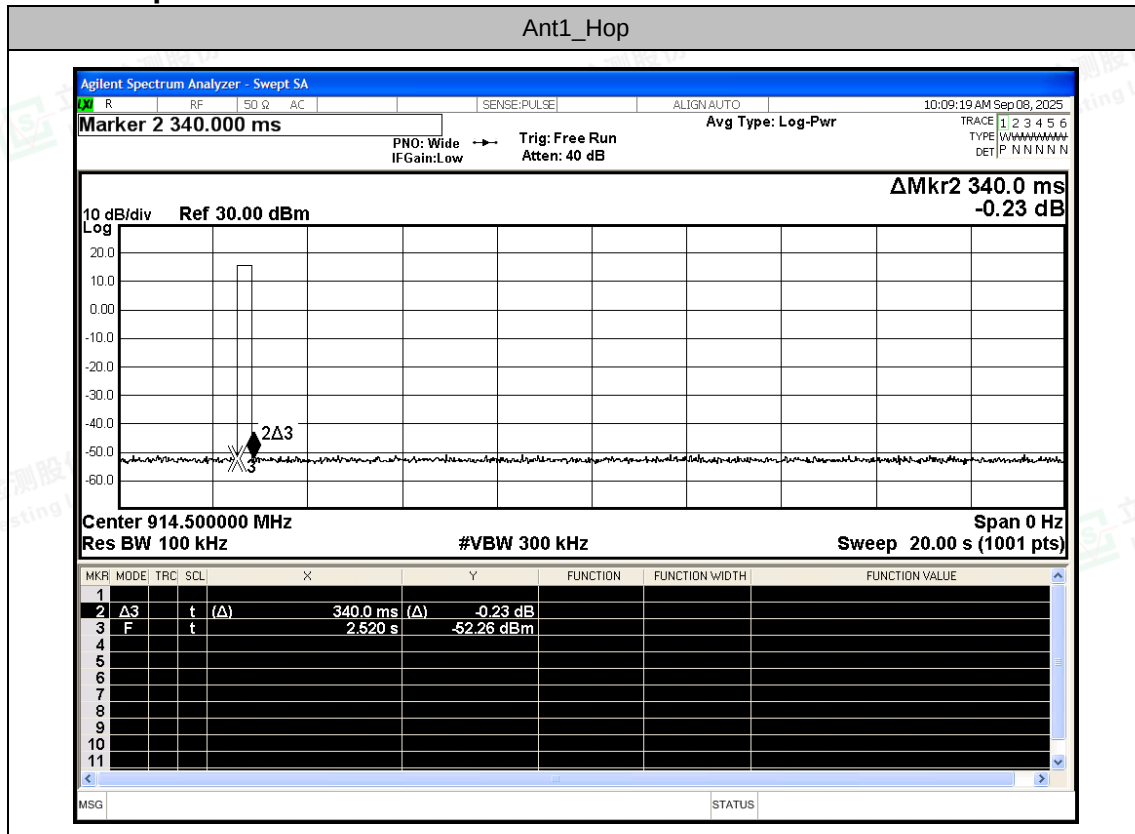


A.4 Time of occupancy

Test Result

Antenna	Channel[MHz]	Result[ms]	Limit[ms]	Verdict
Ant1	Hop	340	<=400	PASS

Test Graphs



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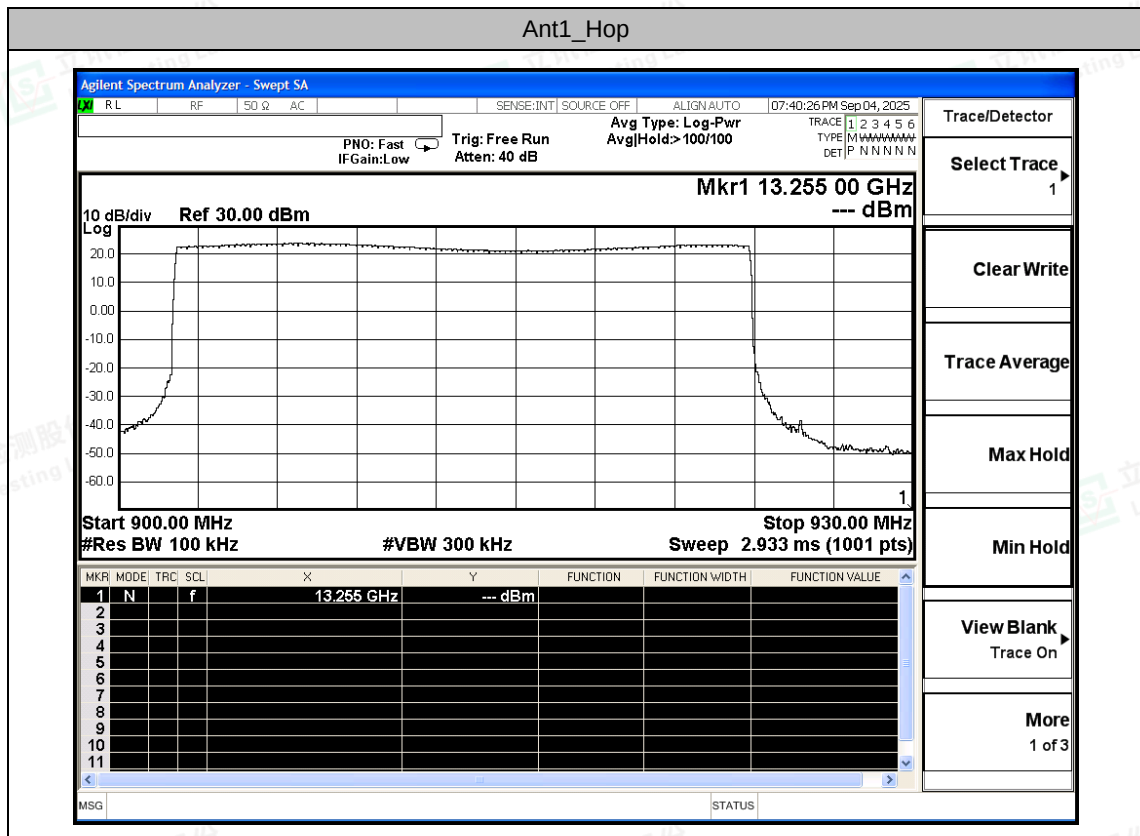


A.5 Number of hopping channels

Test Result

Antenna	Channel	Result[Num]	Limit[Num]	Verdict
Ant1	Hop	124	>=50	PASS

Test Graphs



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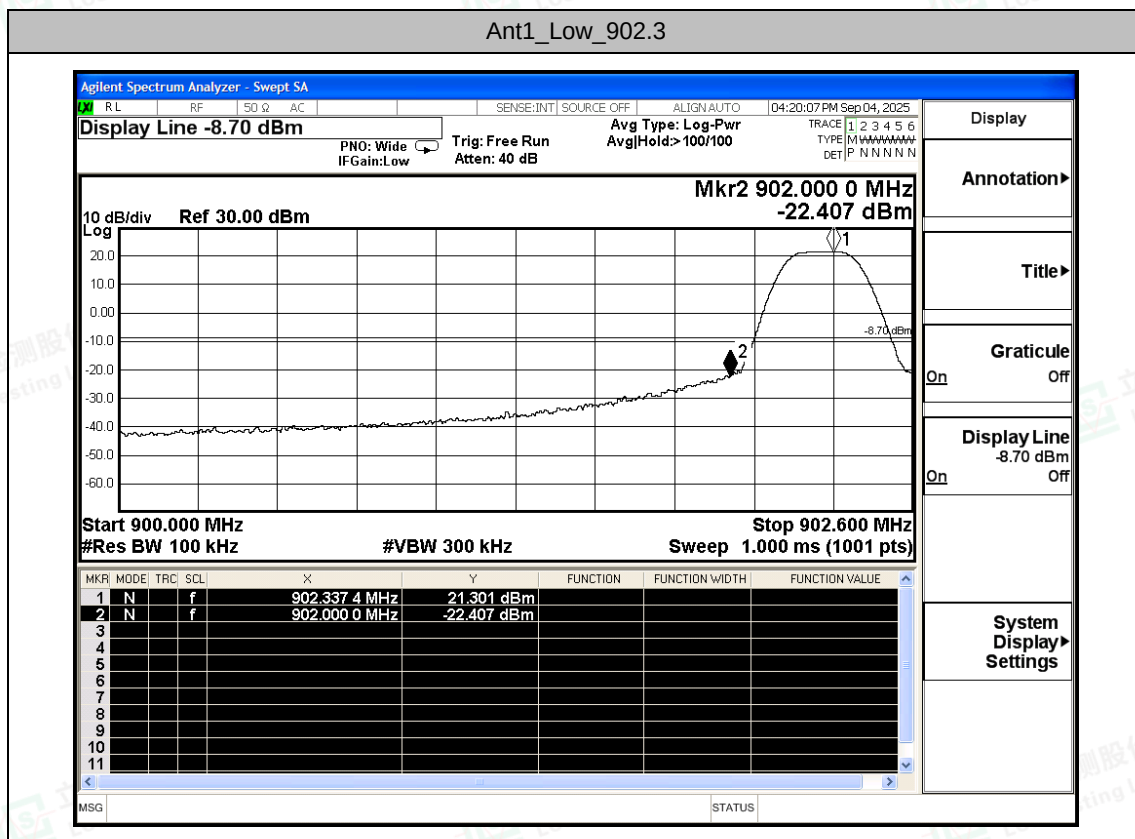


A.6 Band edge measurements

Test Result

Antenna	Ch Name	Channel[MHz]	Ref Level[dBm]	Result[dBm]	Limit[dBm]	Verdict
Ant1	Low	902.3	21.301	-22.407	<=-8.70	PASS
	High	926.8	19.143	-37.698	<=-10.86	PASS
	Low-Hop	902.3	22.561	-27.368	<=-7.44	PASS
	High-Hop	926.8	21.150	-37.252	<=-8.85	PASS

Test Graphs



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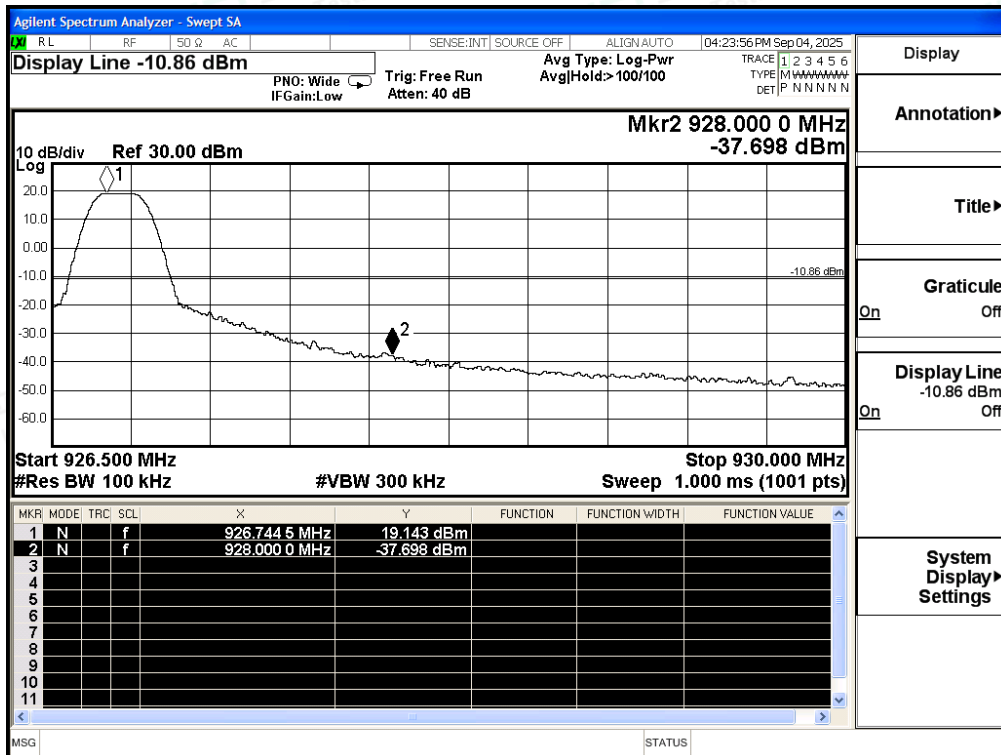
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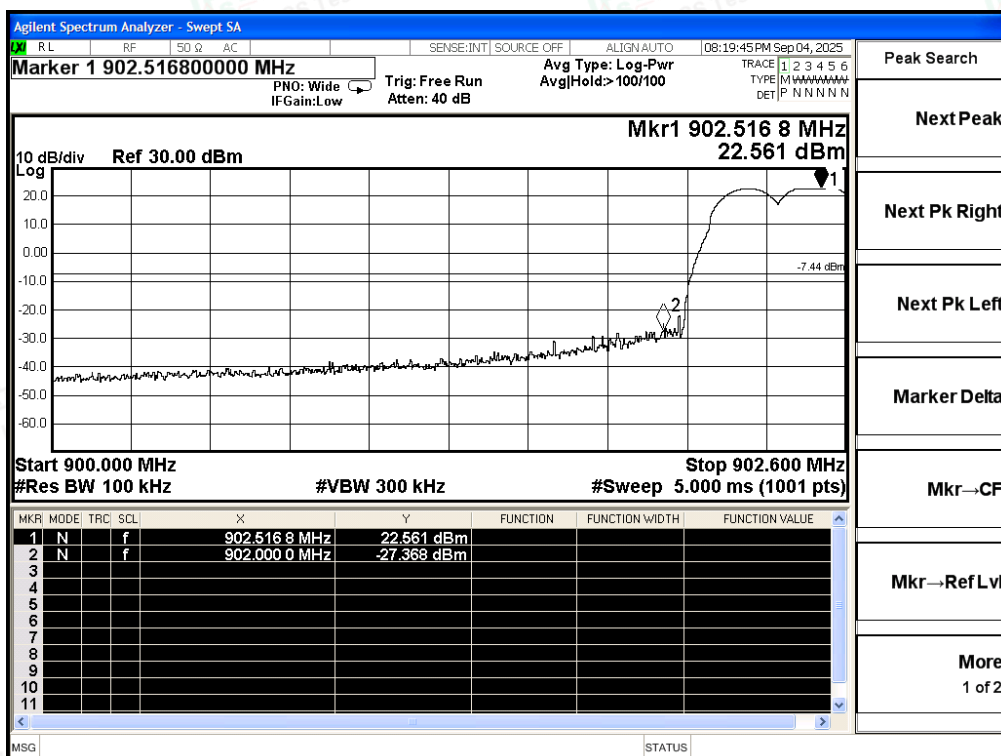
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Ant1_High_926.8



Ant1_Low_Hop_902.3



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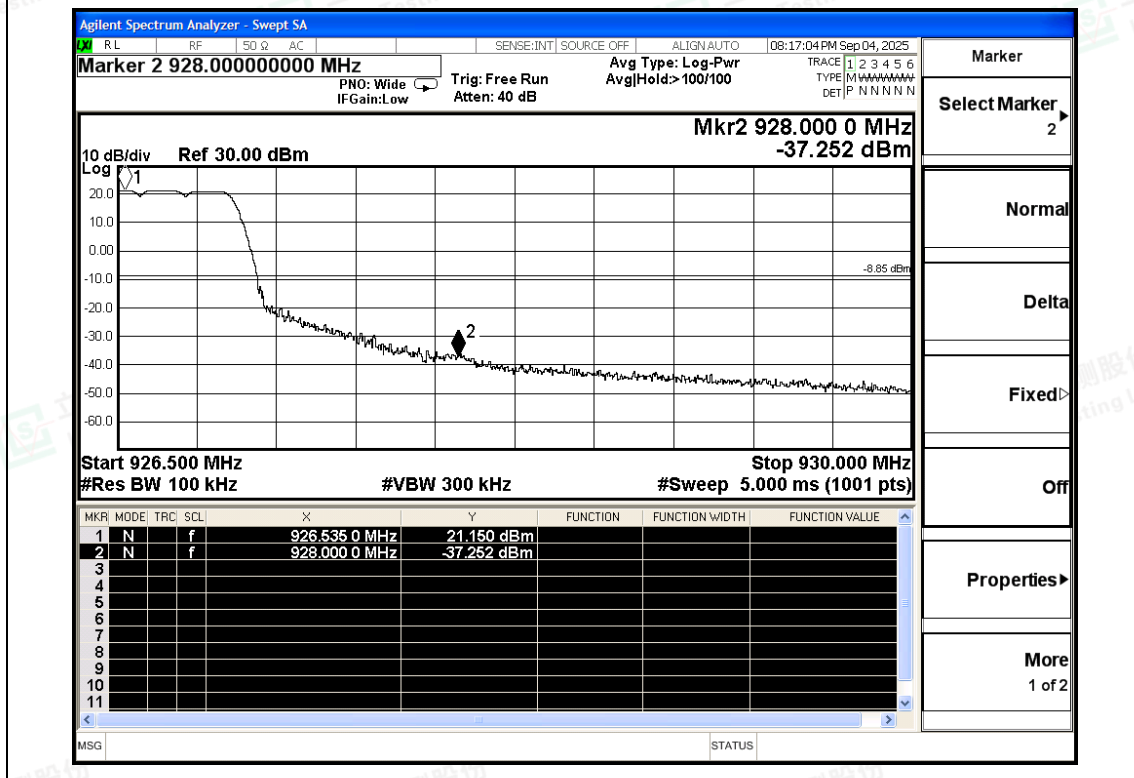
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Ant1_High_Hop_926.8



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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	902.3	30~26500	21.304	-34.710	<=-8.70	PASS
	914.5	30~26500	19.511	-38.043	<=-10.49	PASS
	926.8	30~26500	19.124	-40.975	<=-10.88	PASS

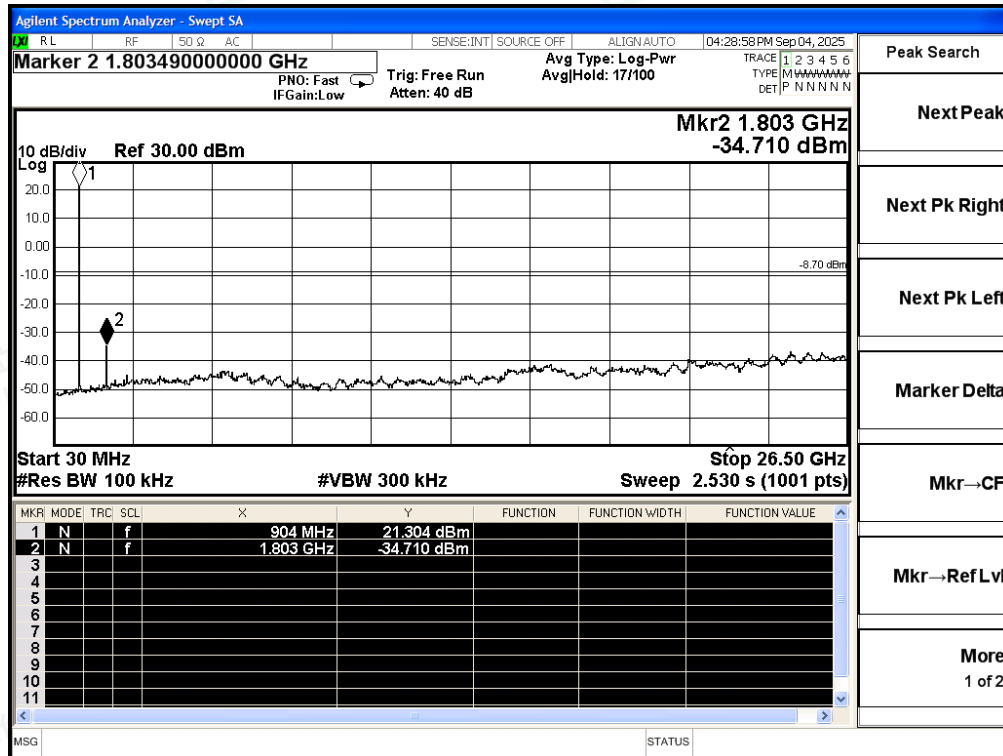


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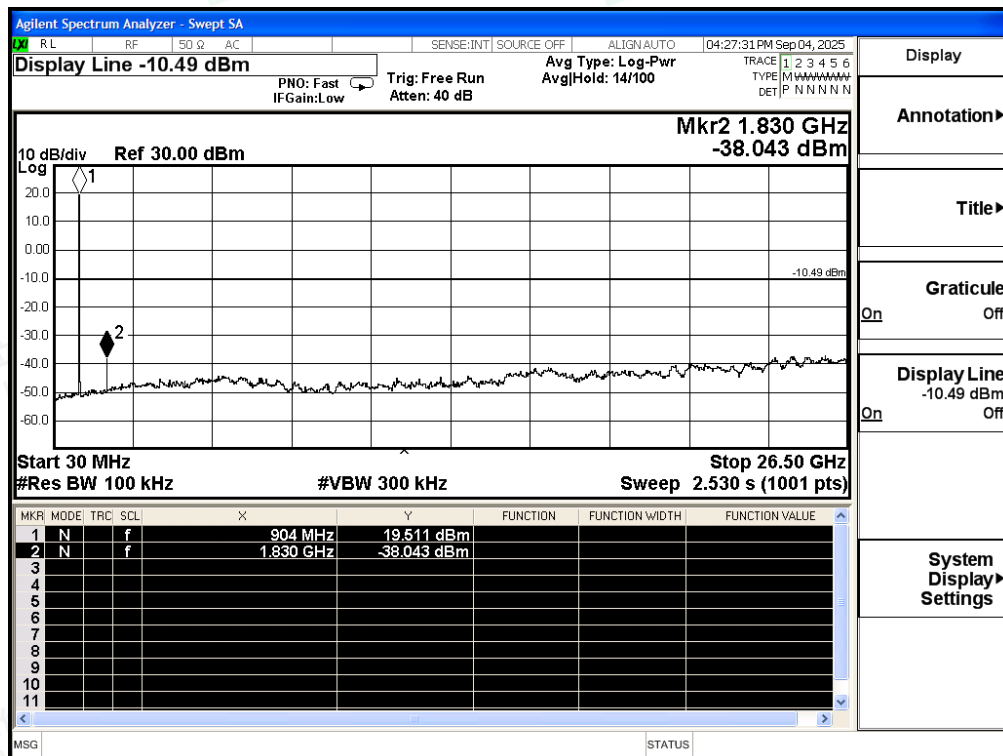


Test Graphs

Ant1_902.3_30~26500



Ant1_914.5_30~26500



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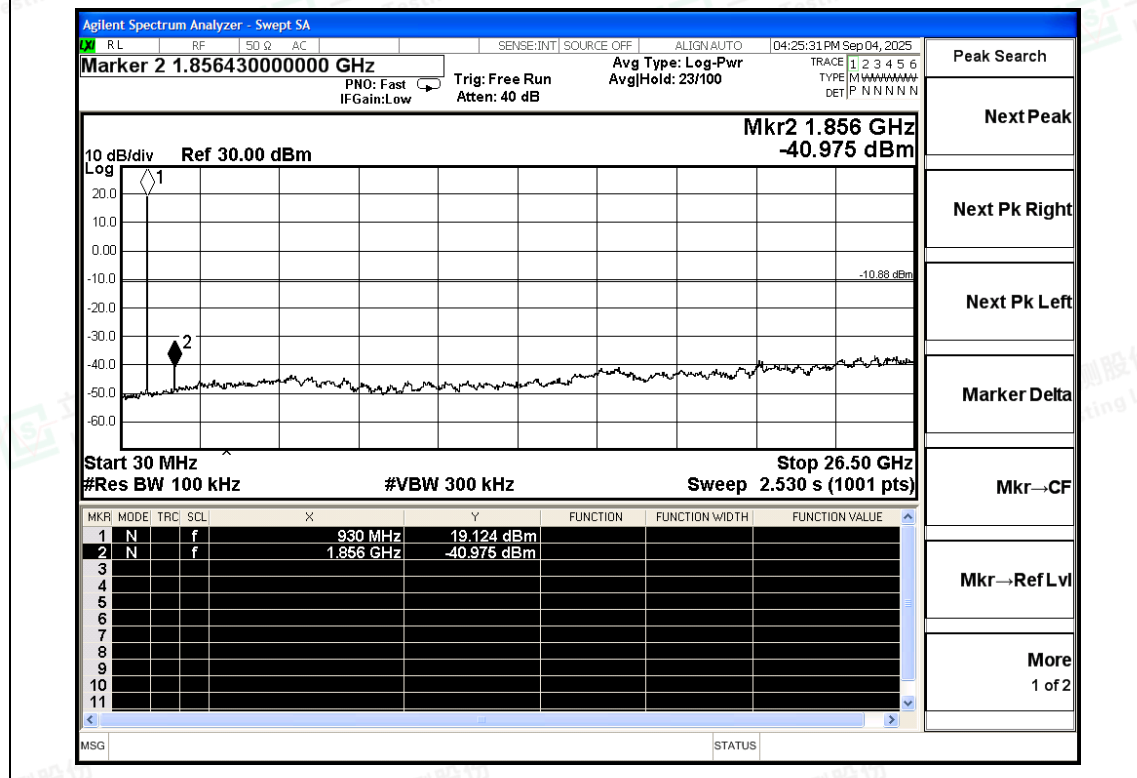
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Ant1_926.8_30~26500



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