



Appendix A

RF Test Data for 900MHz (Conducted Measurement)

Product Name: Motion Sensor

Test Model: AMD12M

Environmental Conditions

Temperature:	23.9°C
Relative Humidity:	52.6%
ATM Pressure:	100.0 kPa
Test Engineer:	Can Kun
Supervised by:	Nick Peng



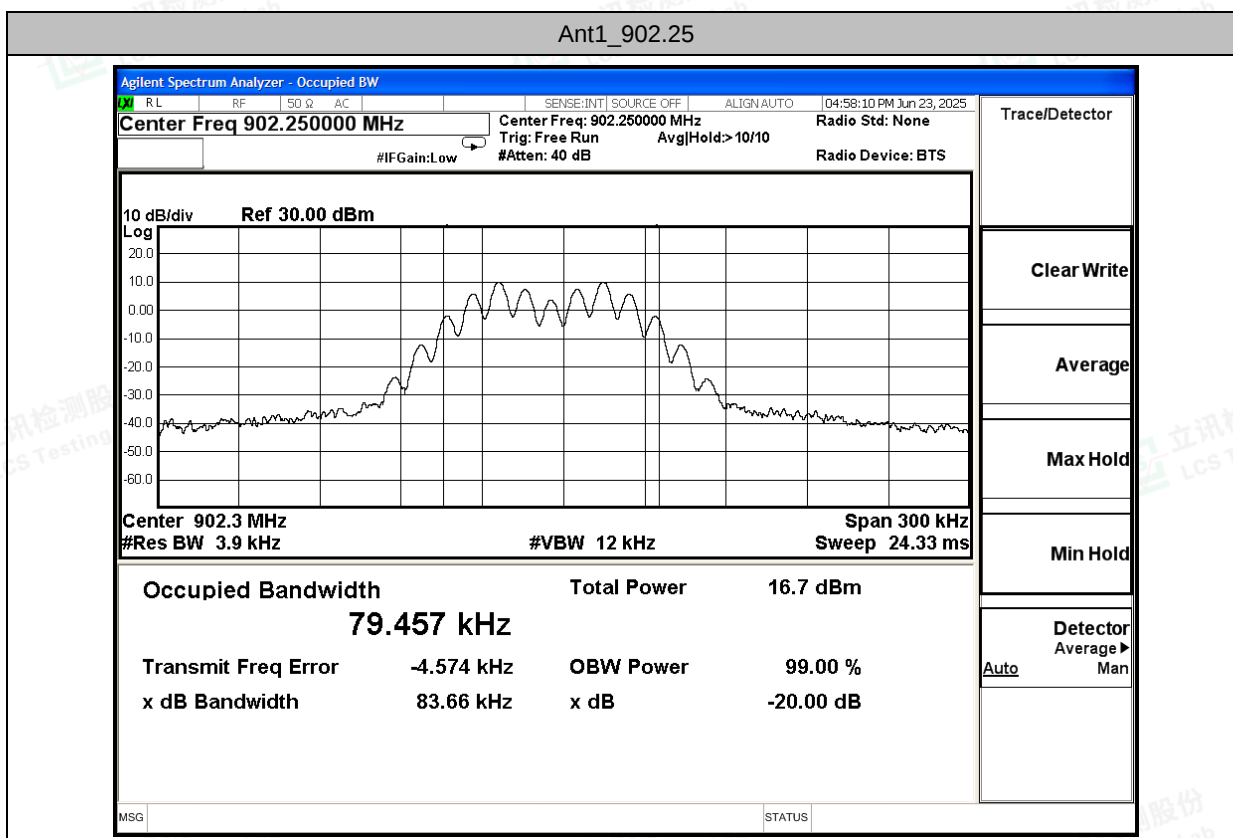


A.1 20dB Emission Bandwidth

Test Result

Antenna	Channel[MHz]	20db EBW[kHz]	Limit[MHz]	Verdict
Ant1	902.25	83.66	---	PASS
	914.85	83.65	---	PASS
	927.55	83.63	---	PASS

Test Graphs



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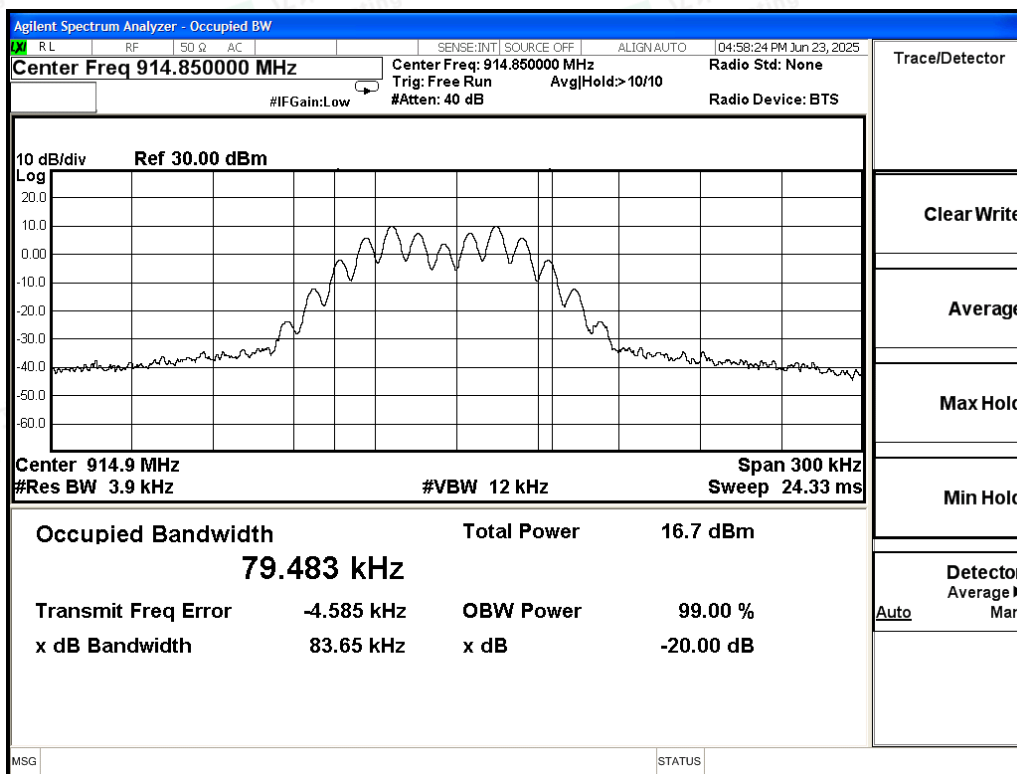
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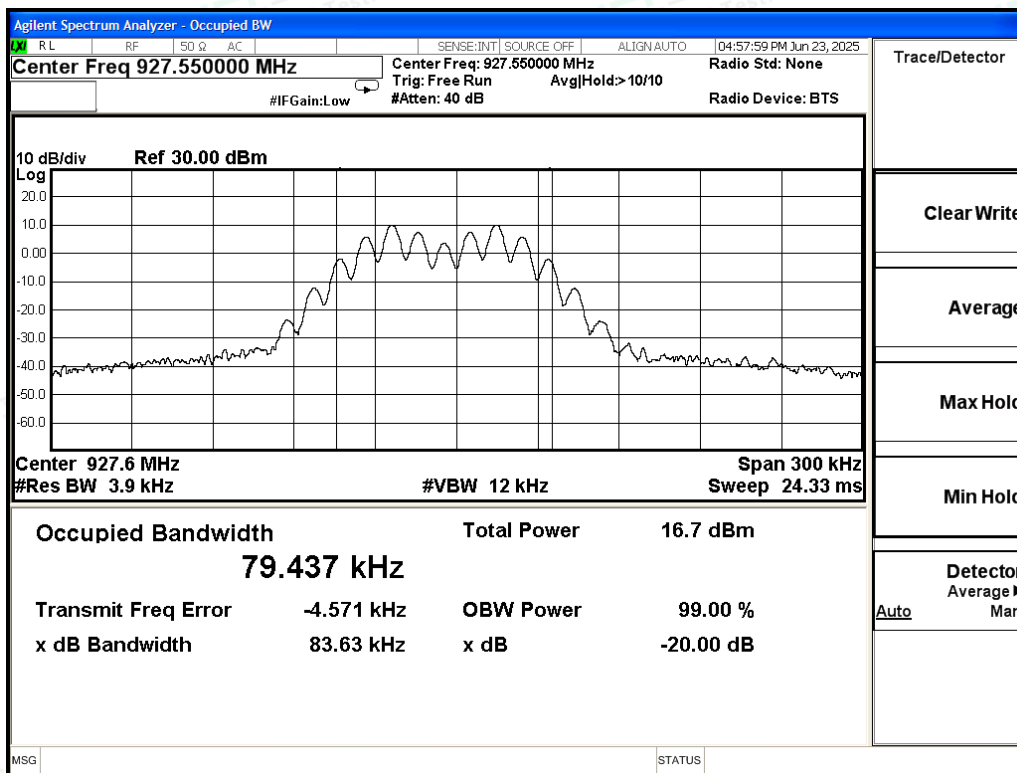
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Ant1_914.85



Ant1_927.55



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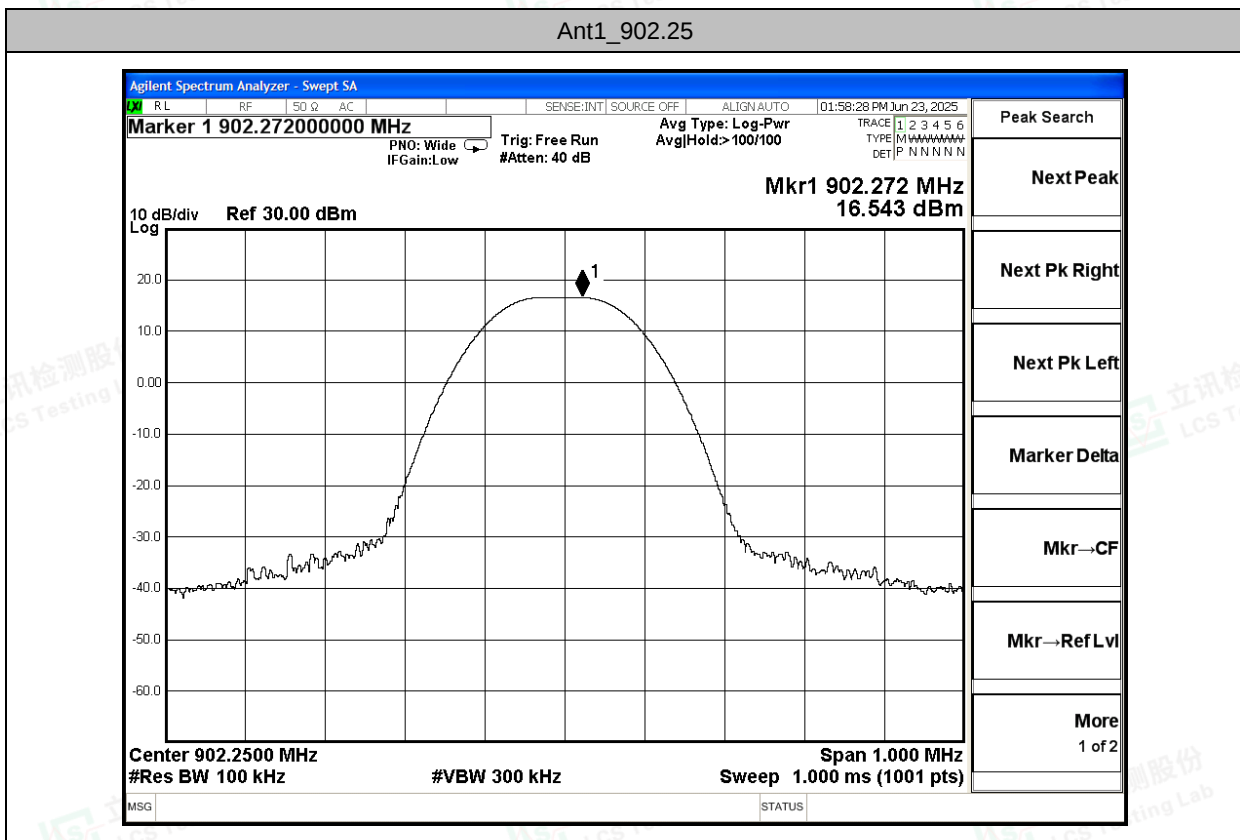


A.2 Maximum Peak Conducted Output Power

Test Result Peak

Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
Ant1	902.25	16.543	≤30	PASS
	914.85	16.935	≤30	PASS
	927.55	17.270	≤30	PASS

Test Graphs



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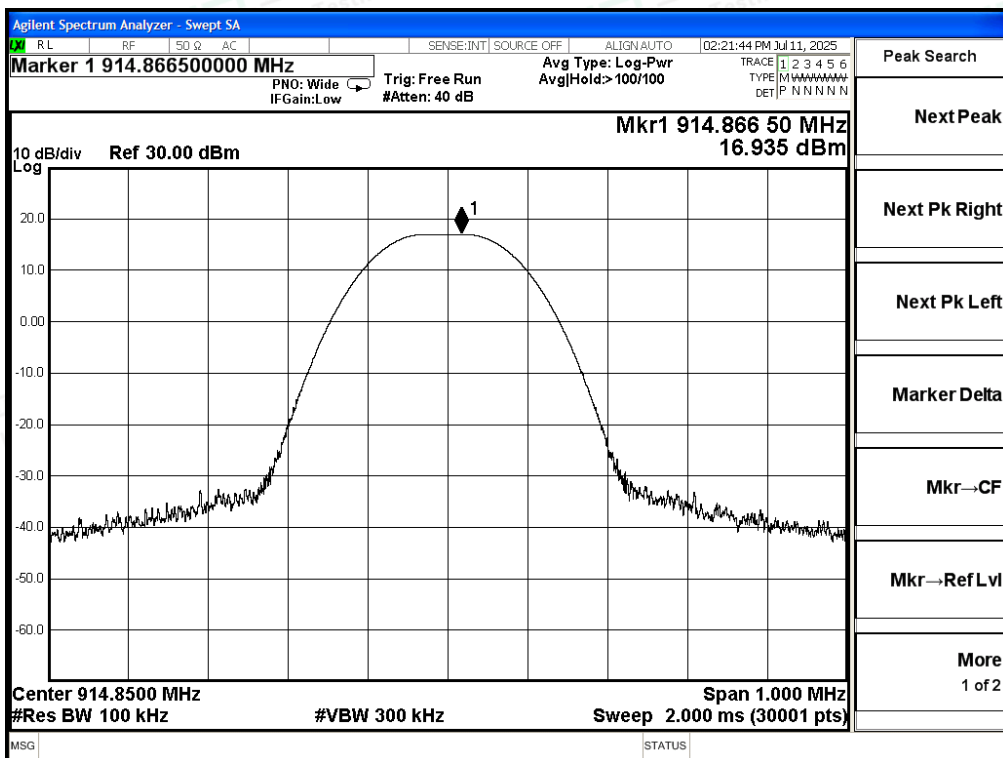
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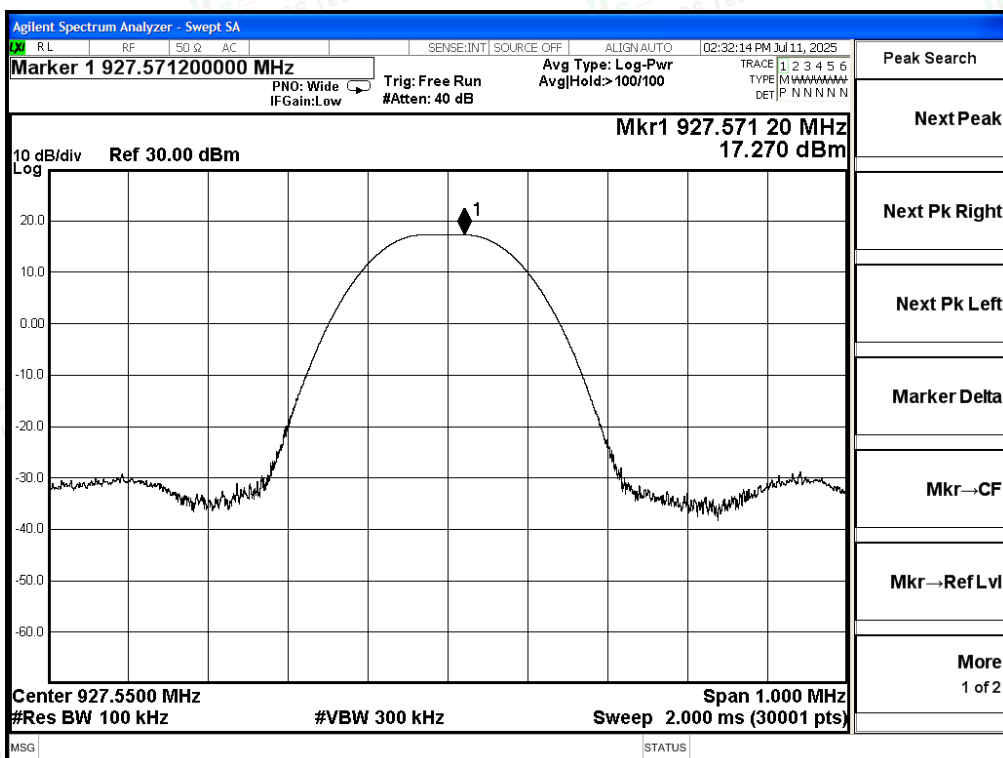
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Ant1_914.85



Ant1_927.55



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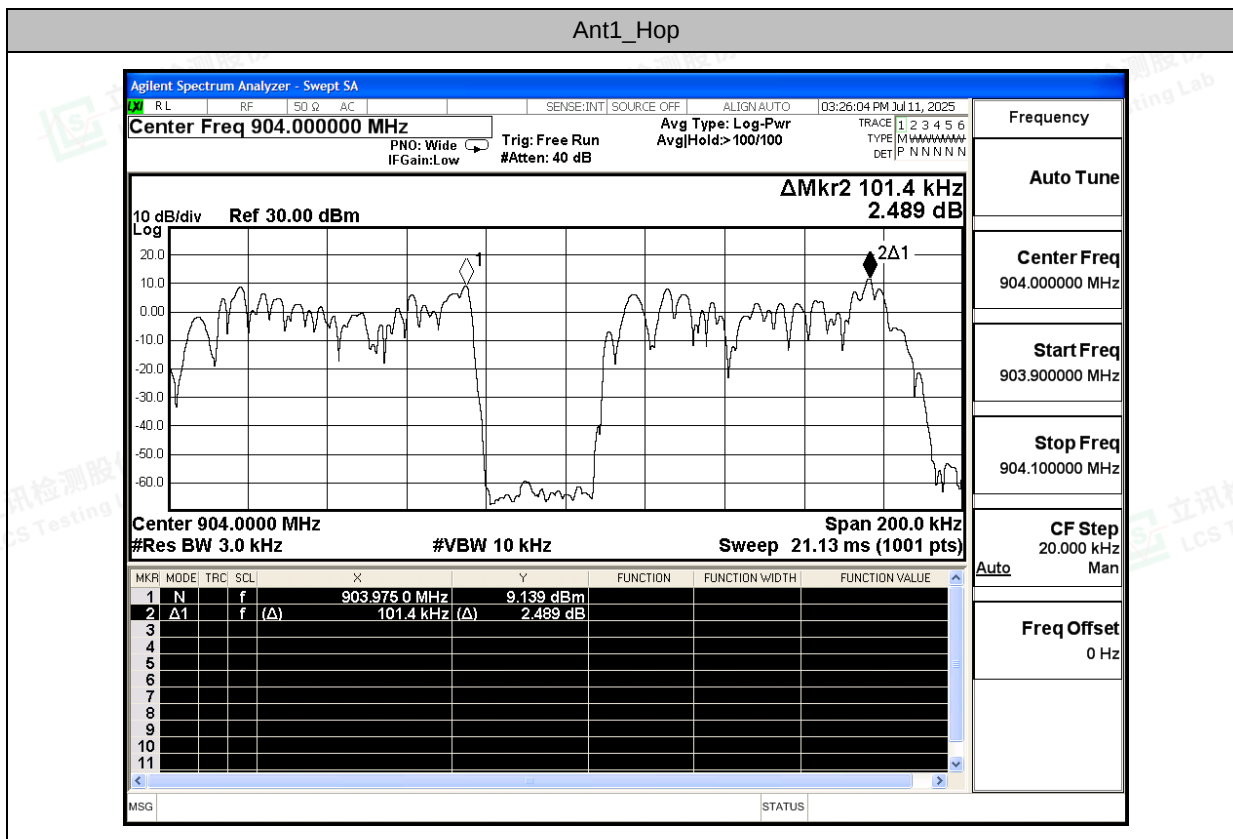


A.3 Carrier frequency separation

Test Result

Antenna	Channel[MHz]	Result[kHz]	Limit[kHz]	Verdict
Ant1	Hop	101.4	55.77	PASS

Test Graphs



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A.4 Time of occupancy

Test Result

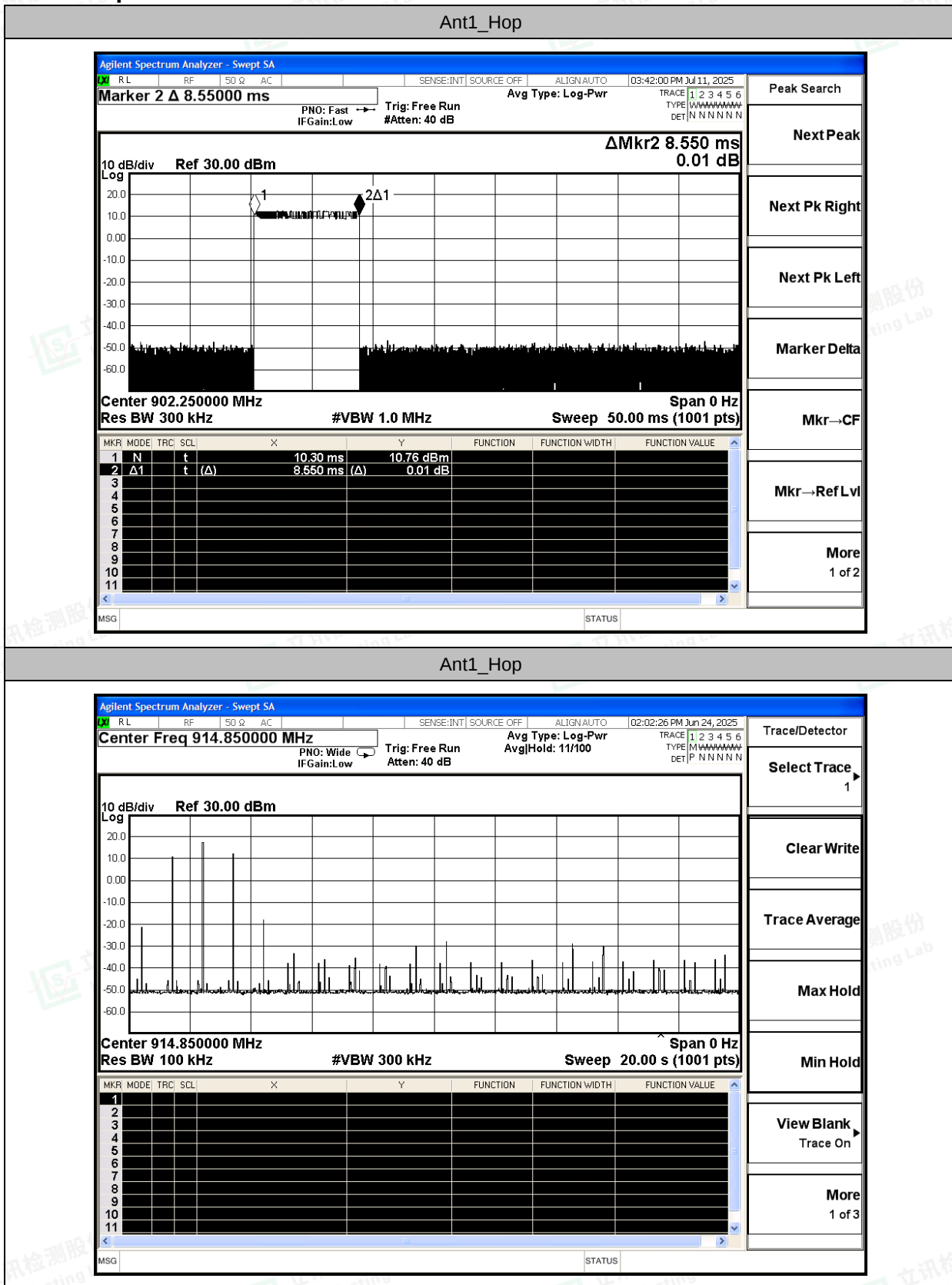
Antenna	Channel[MHz]	Burst Width[ms]	Total Hops[Num]	Result[ms]	Limit[ms]	Verdict
Ant1	Hop	8.55	3	25.65	<=400	PASS



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Test Graphs



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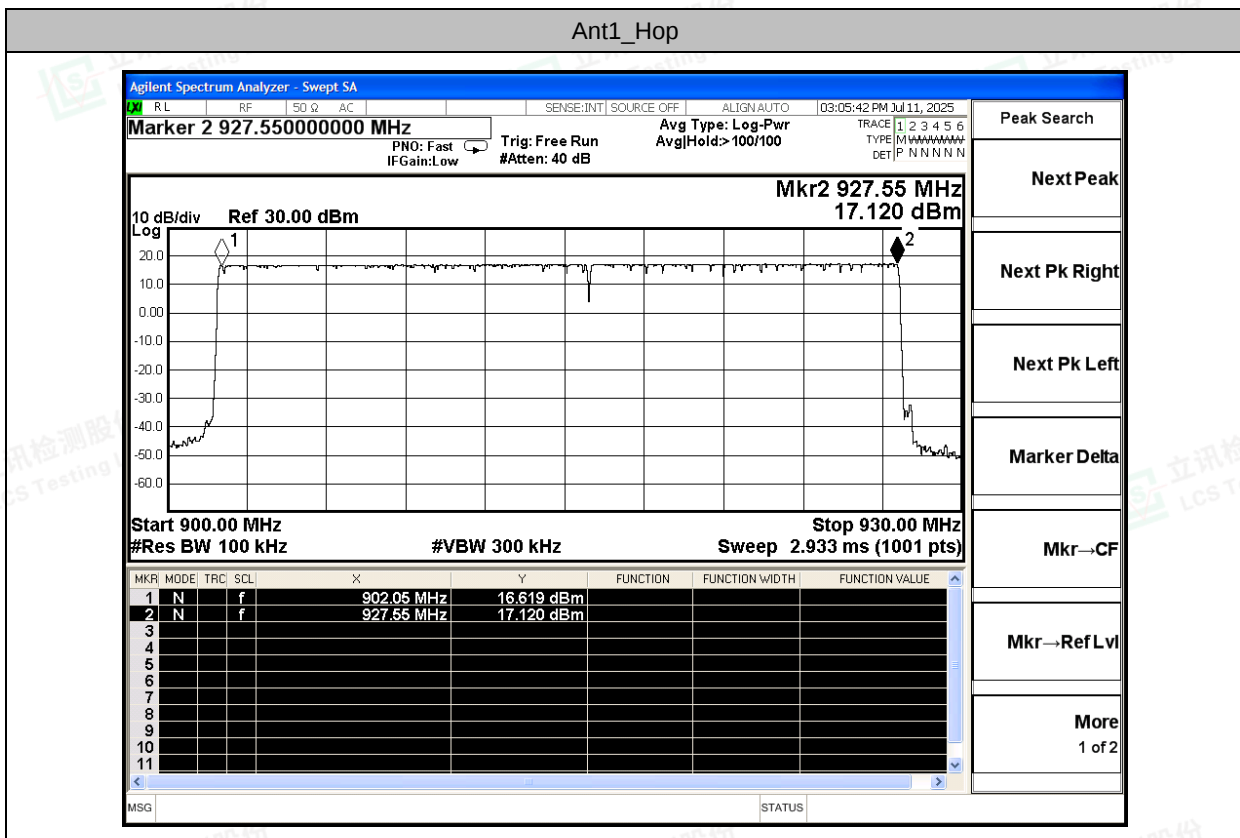


A.5 Number of hopping channels

Test Result

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

Test Graphs



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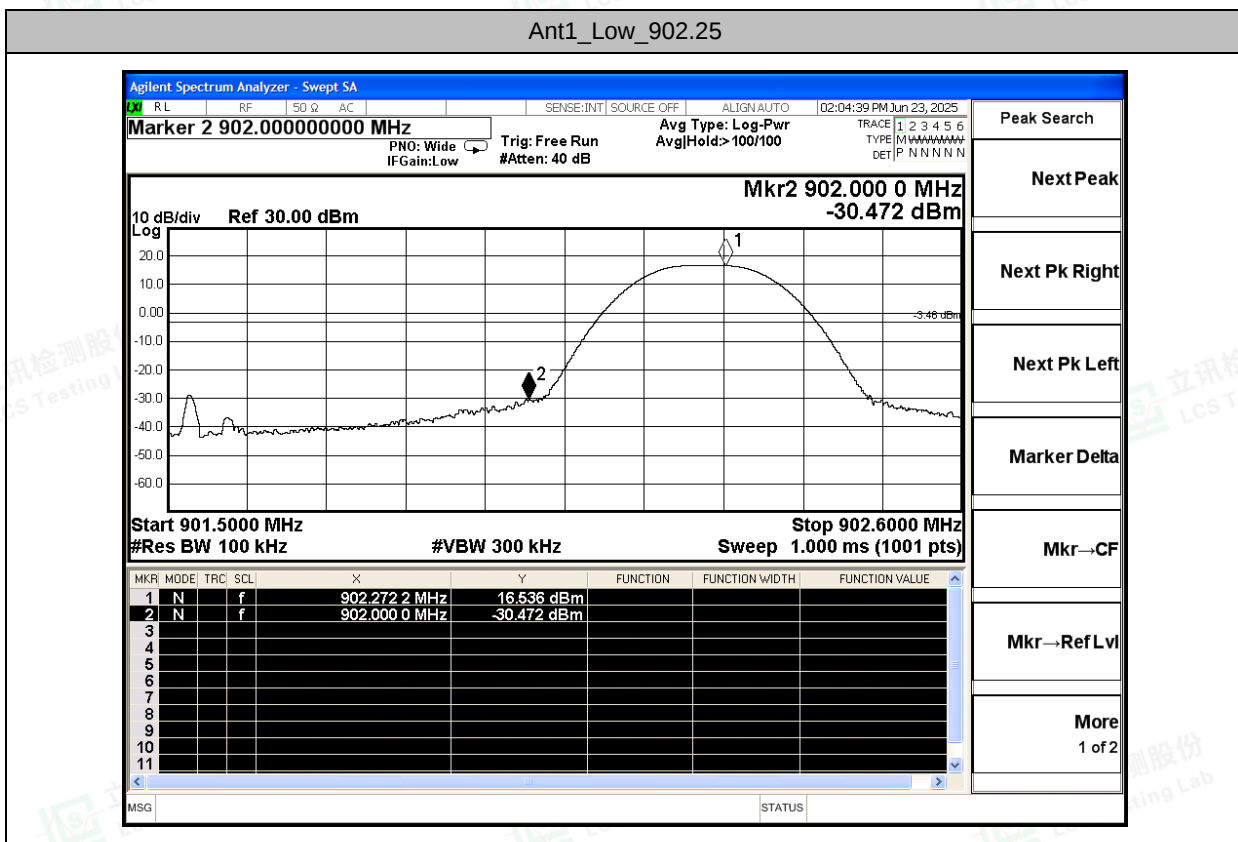


A.6 Band edge measurements

Test Result

Antenna	Ch Name	Channel[MHz]	Ref Level[dBm]	Result[dBm]	Limit[dBm]	Verdict
Ant1	Low	902.25	16.536	-30.472	<=-3.46	PASS
	High	927.55	17.383	-30.027	<=-2.62	PASS
	Low	902.25	16.778	-35.540	<=-3.22	PASS
	High	927.55	17.562	-30.438	<=-2.43	PASS

Test Graphs



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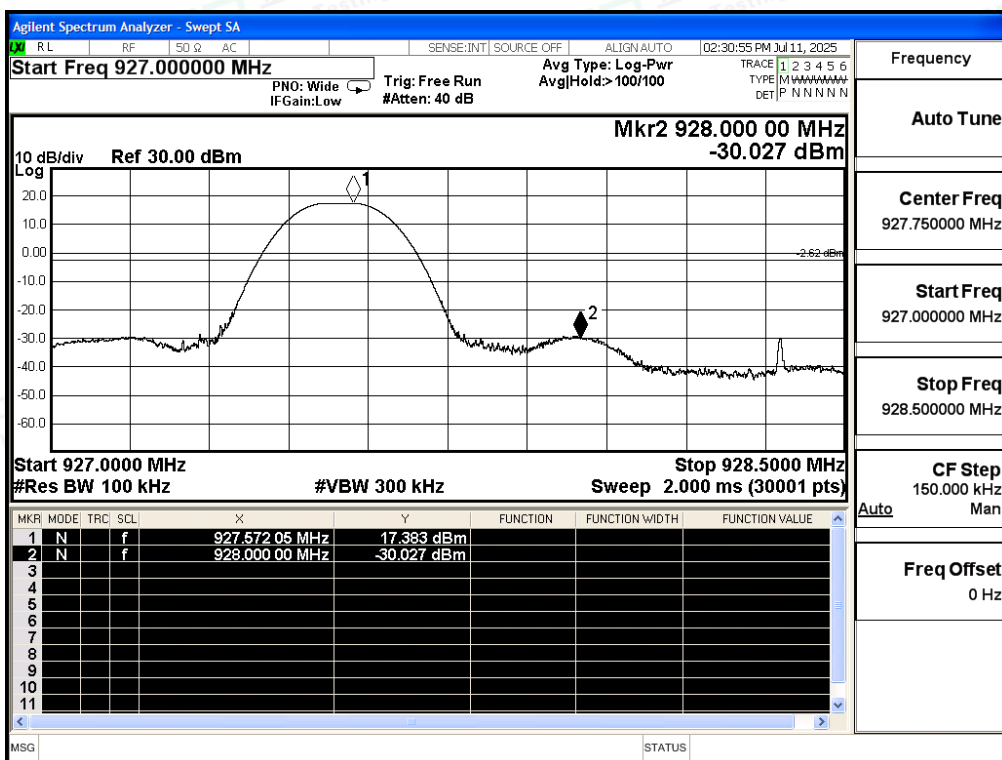
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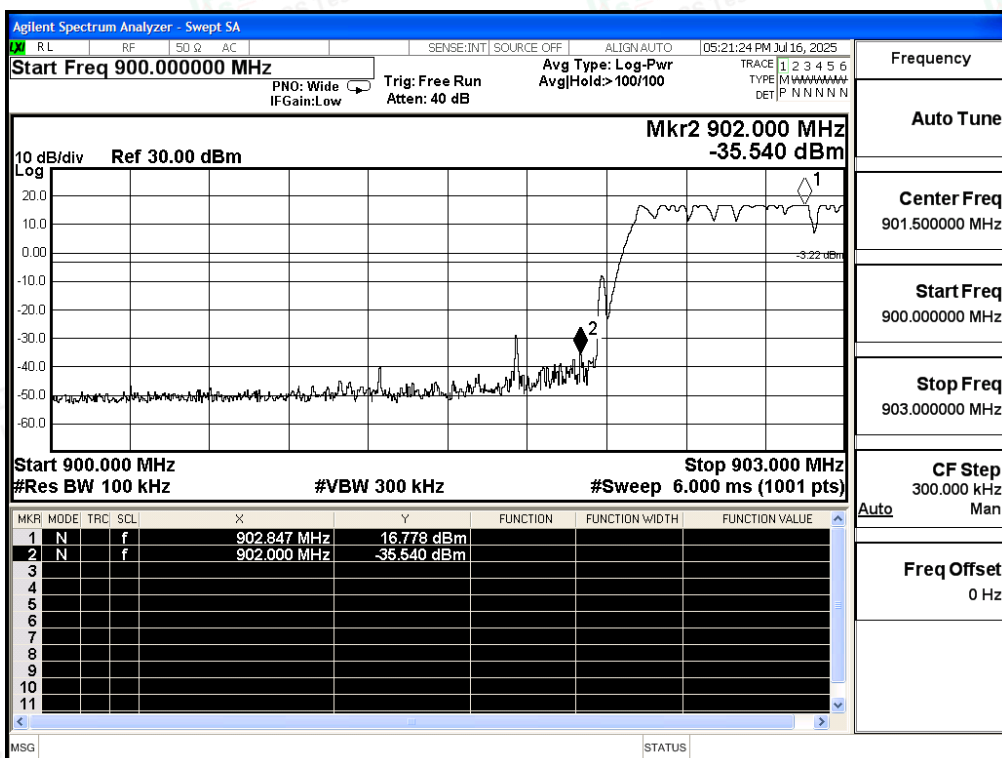
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Ant1_High_927.55



Ant1_Low_Hop_902.25



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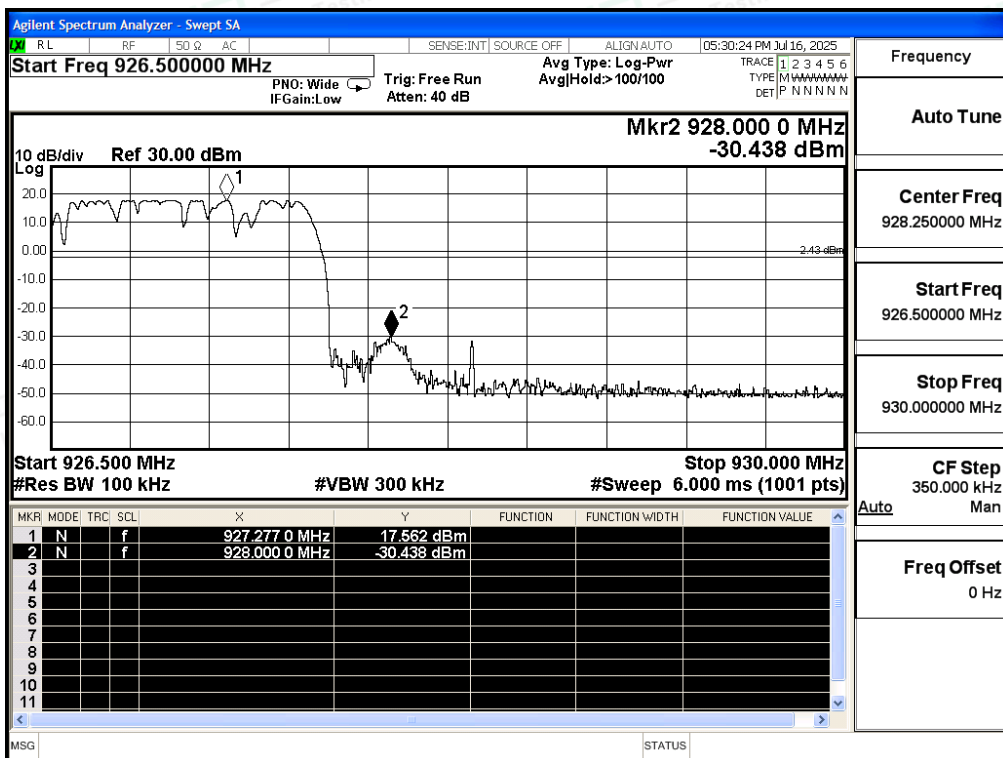
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Ant1_High_Hop_927.55



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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	16.646	-21.140	<=-3.35	PASS
	914.85	30~26500	17.263	-23.980	<=-2.73	PASS
	927.55	30~26500	17.498	-28.903	<=-2.50	PASS

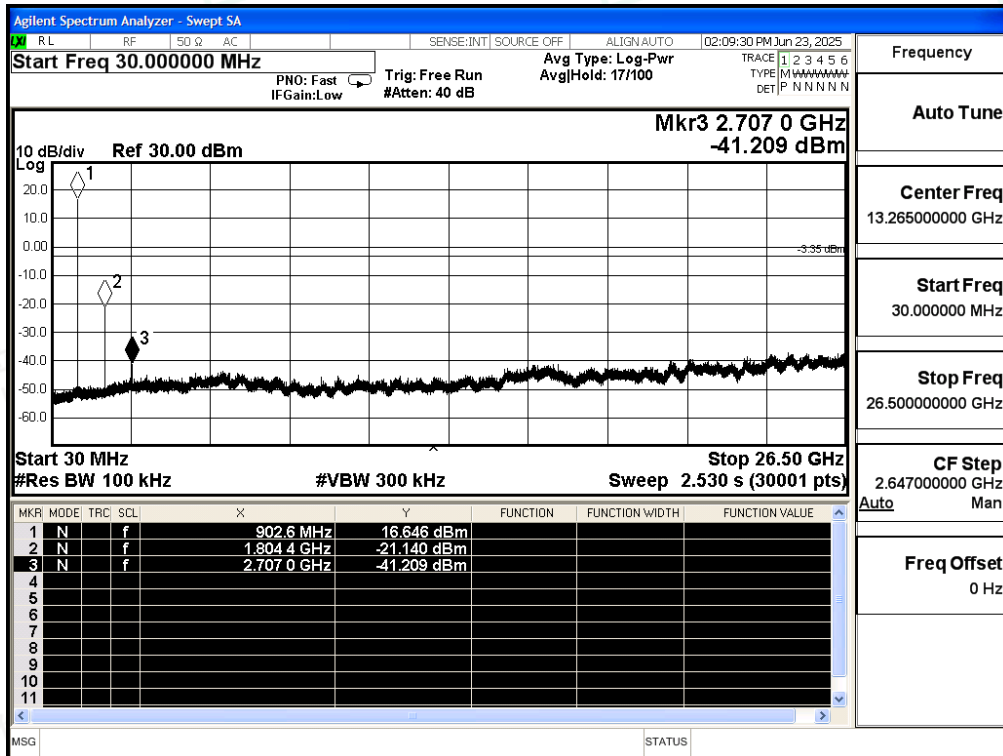


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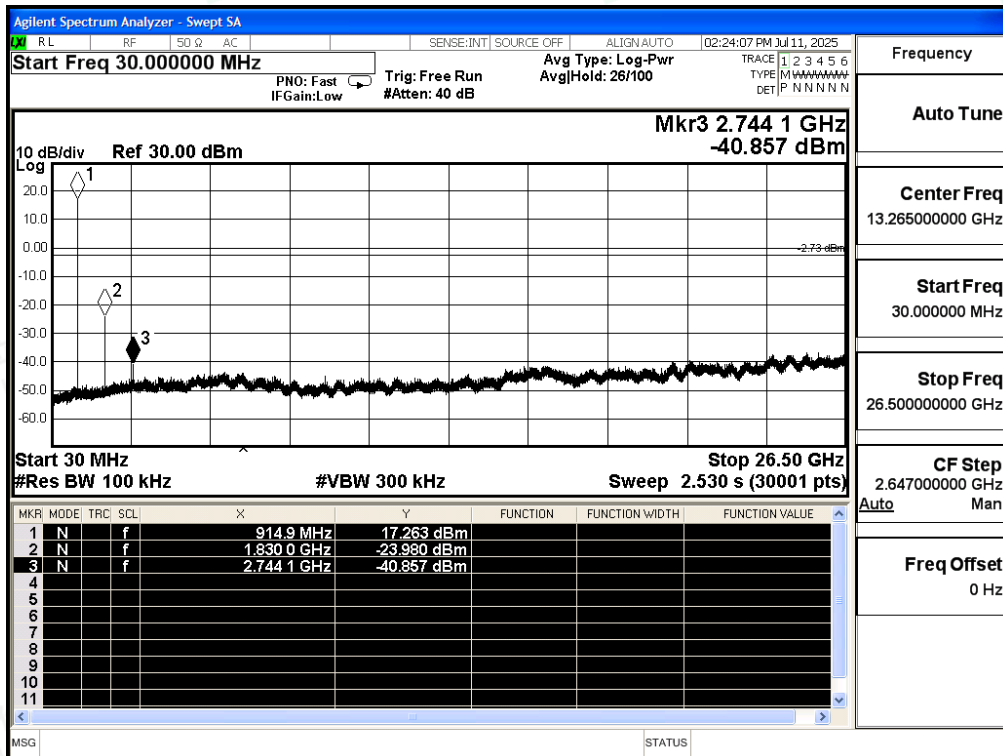


Test Graphs

Ant1_902.25_30~26500



Ant1_914.85_30~26500



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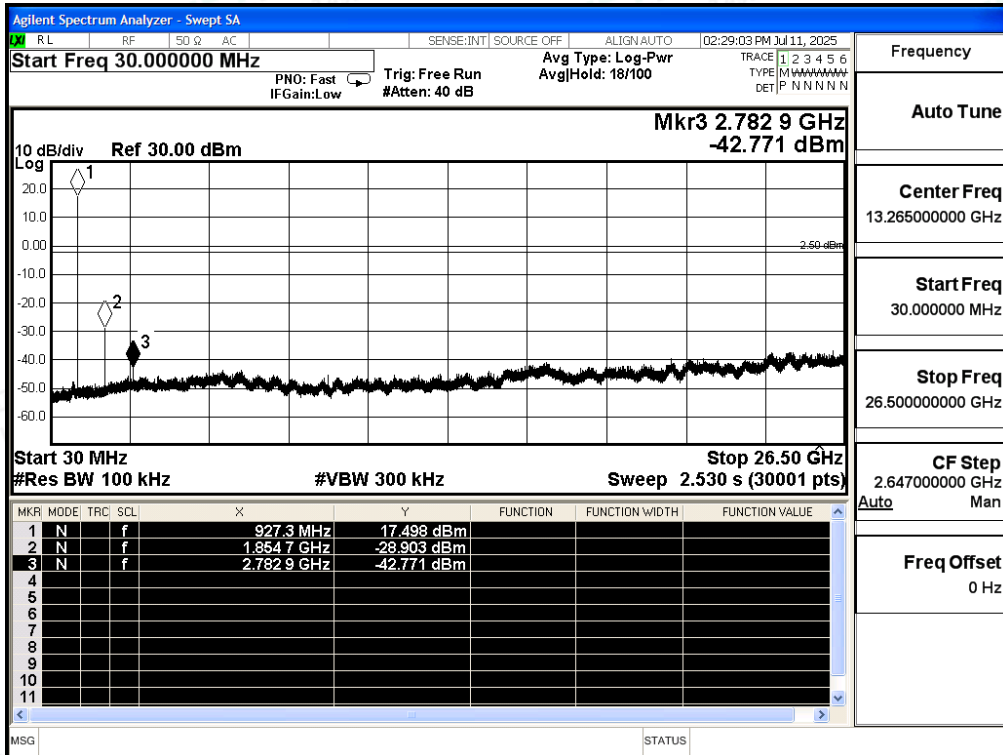
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Ant1_927.55_30~26500



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