



Appendix R

RF Test Data for 900MHz (Conducted Measurement)

Product Name: Rugged Handheld Computer

Test Model: EA530 UHF

Environmental Conditions

Temperature:	24.4°C
Relative Humidity:	53.2%
ATM Pressure:	100.0 kPa
Test Engineer:	Can Kun
Supervised by:	Paddi Chen



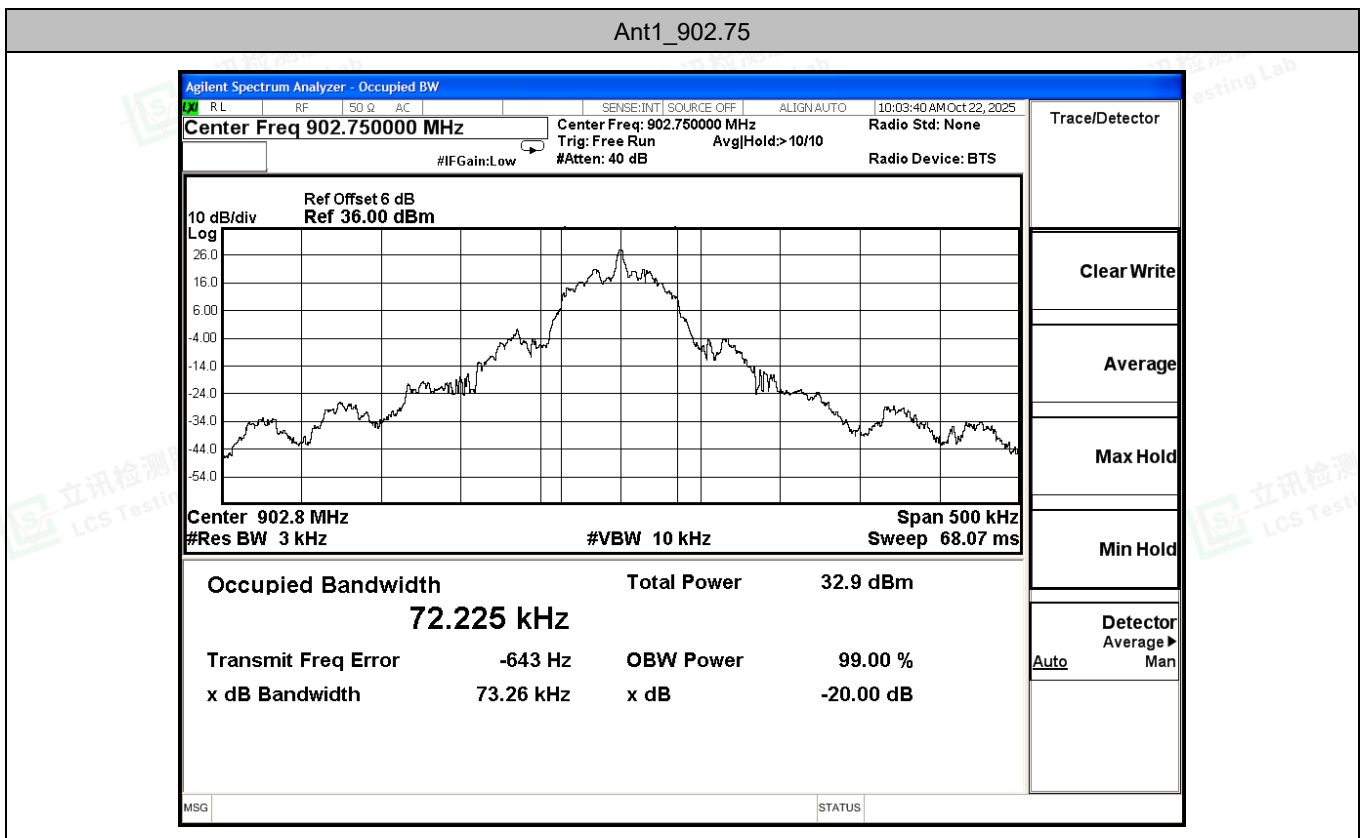


R.1 20dB Emission Bandwidth

Test Result

Antenna	Channel [MHz]	20db EBW [kHz]	Limit [MHz]	Verdict
Ant1	902.75	73.26	---	PASS
	915.25	76..93	---	PASS
	927.25	69.41	---	PASS

Test Graphs



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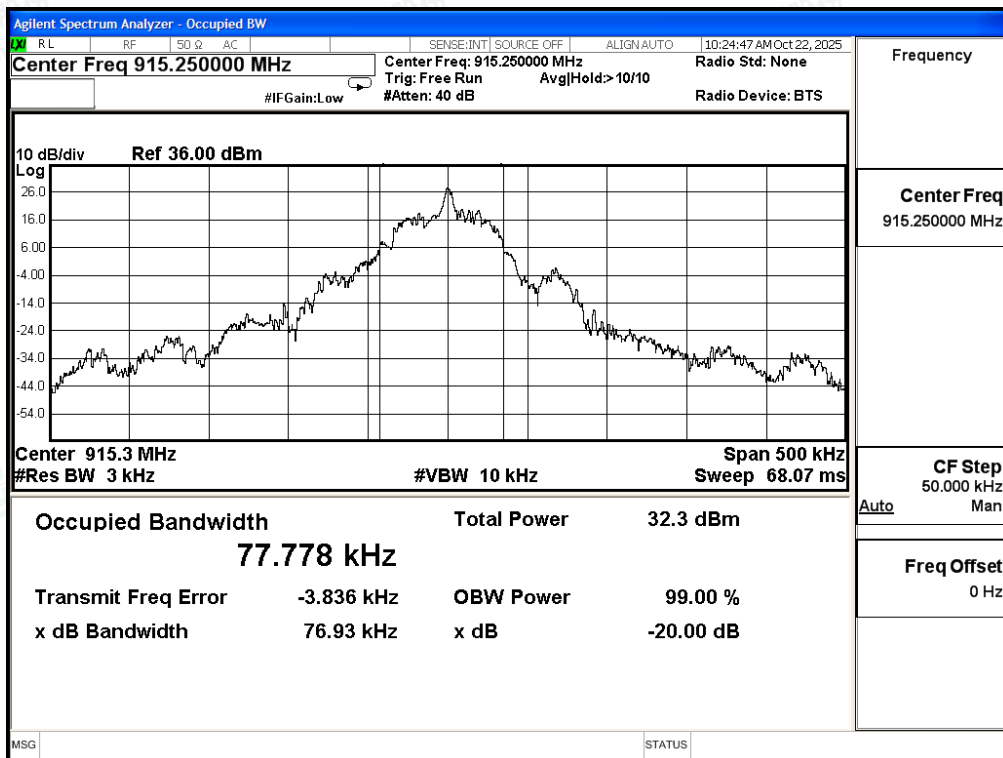
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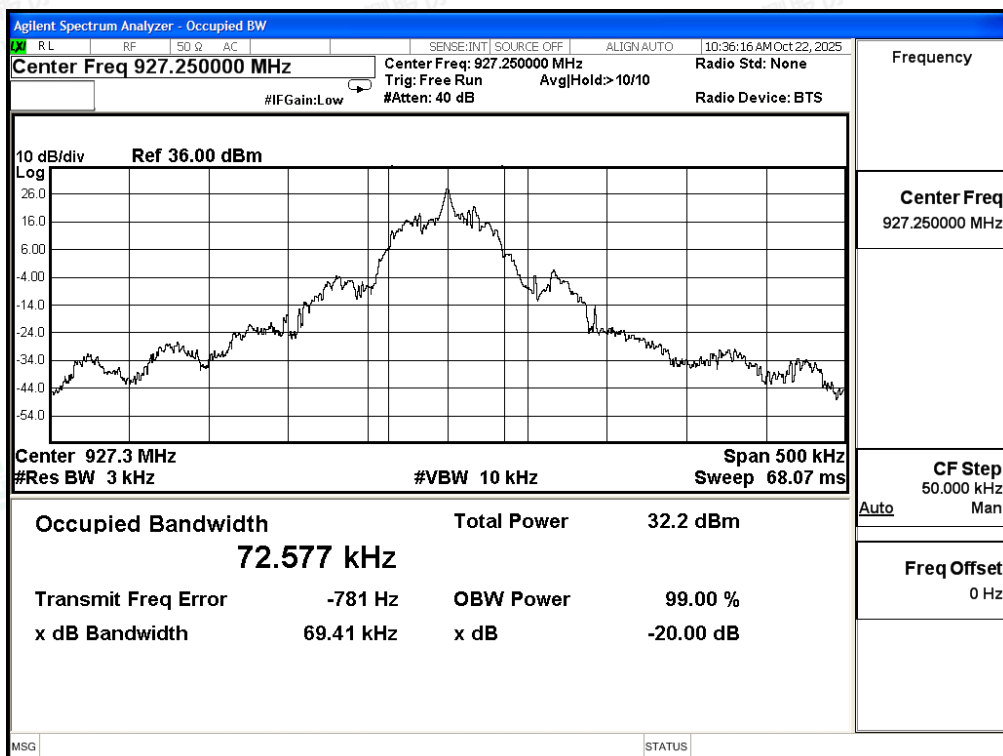
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Ant1_915.25



Ant1_927.25



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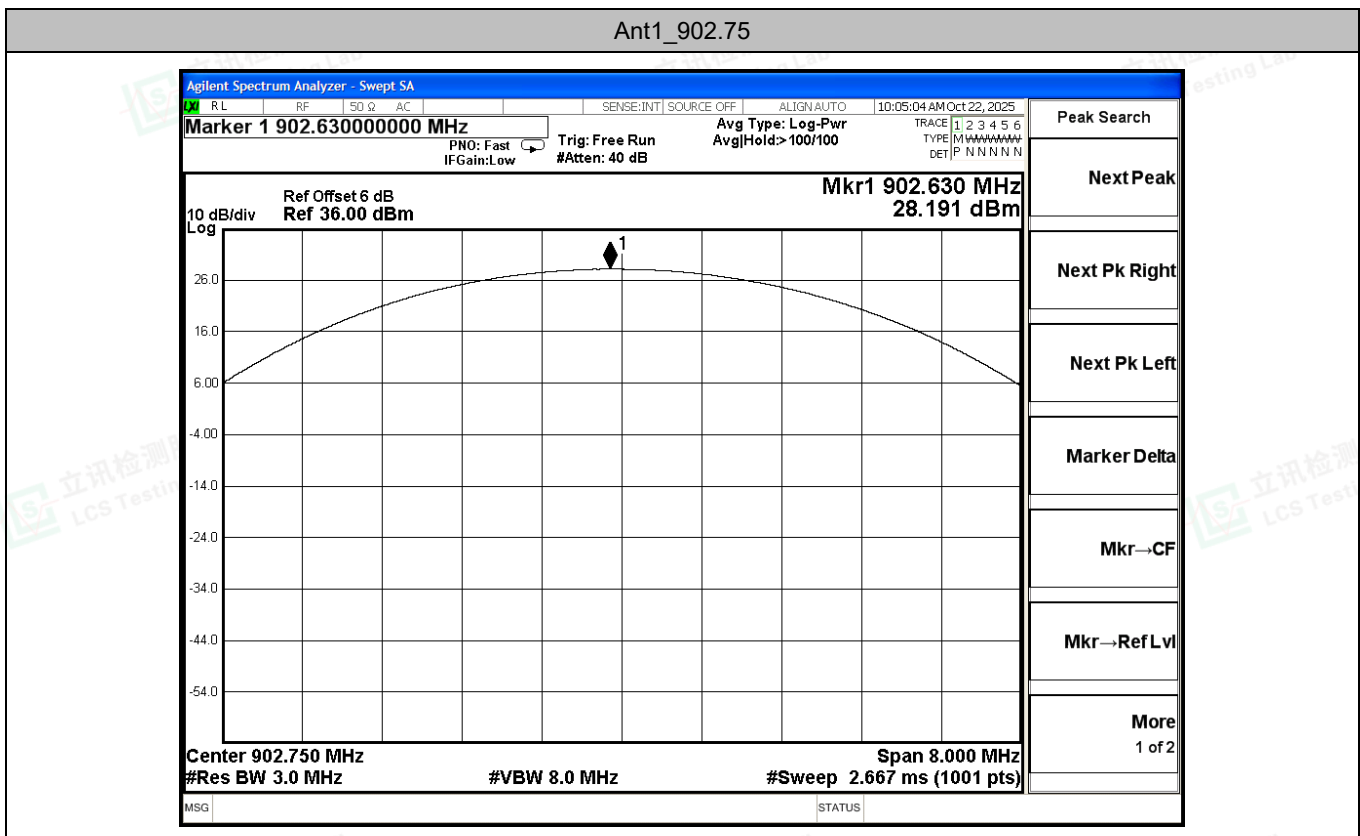


R.2 Maximum Peak Conducted Output Power

Test Result

Antenna	Frequency [MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
Ant1	902.75	28.191	≤30	PASS
	915.25	28.366	≤30	PASS
	927.25	28.120	≤30	PASS

Test Graphs



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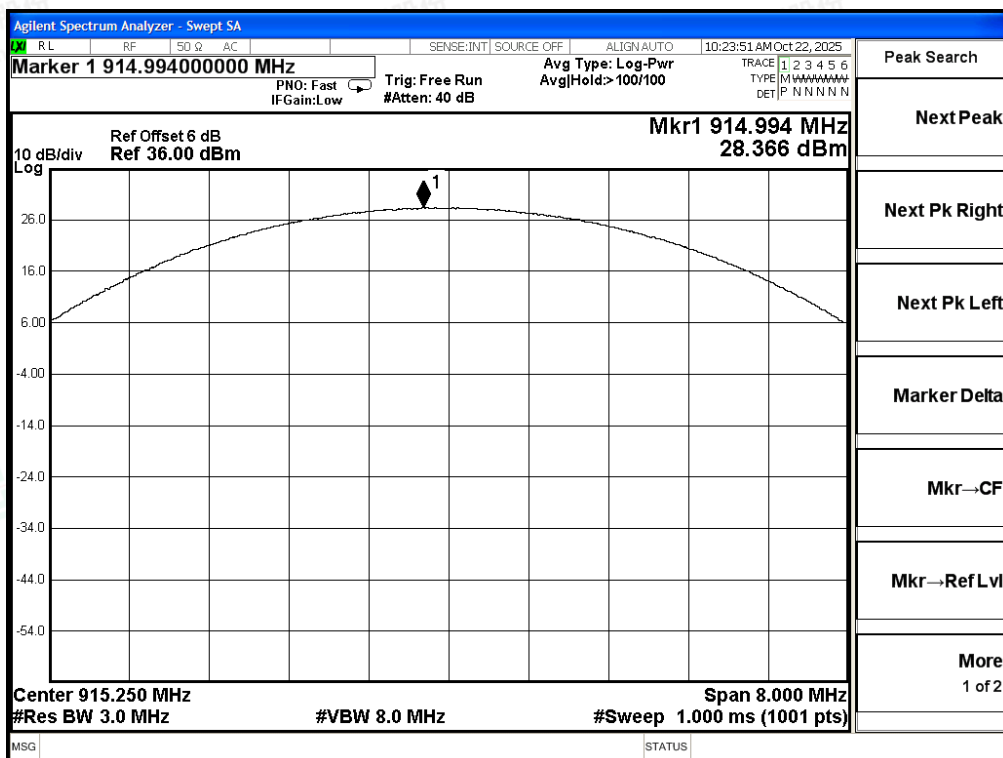
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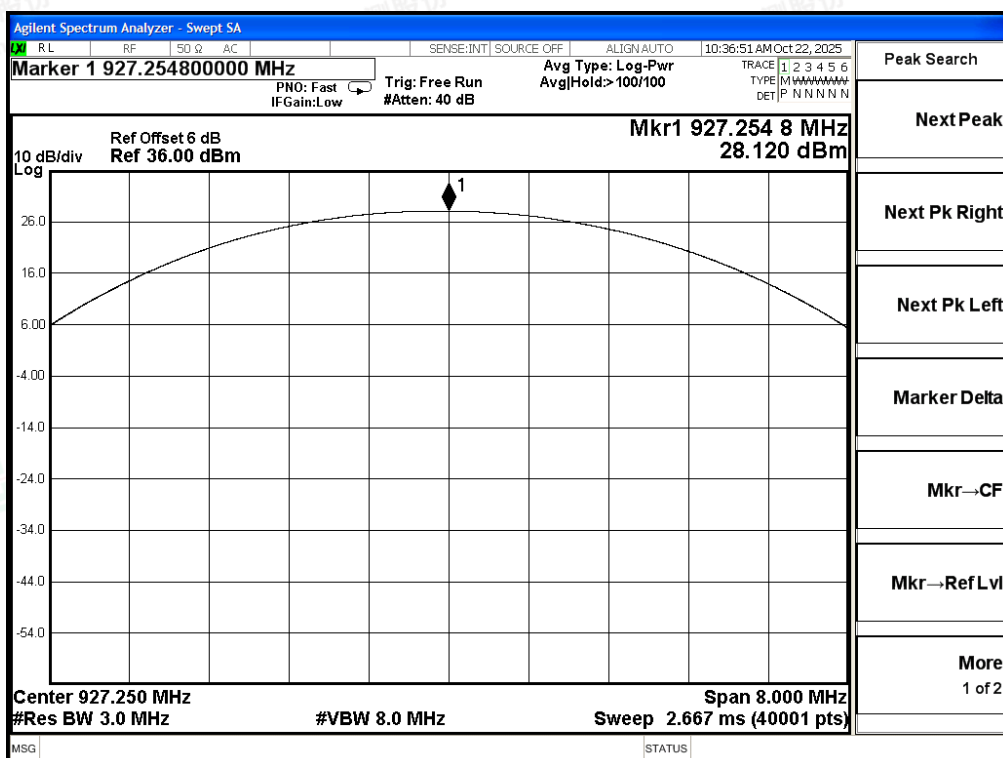
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Ant1_915.25



Ant1_927.25



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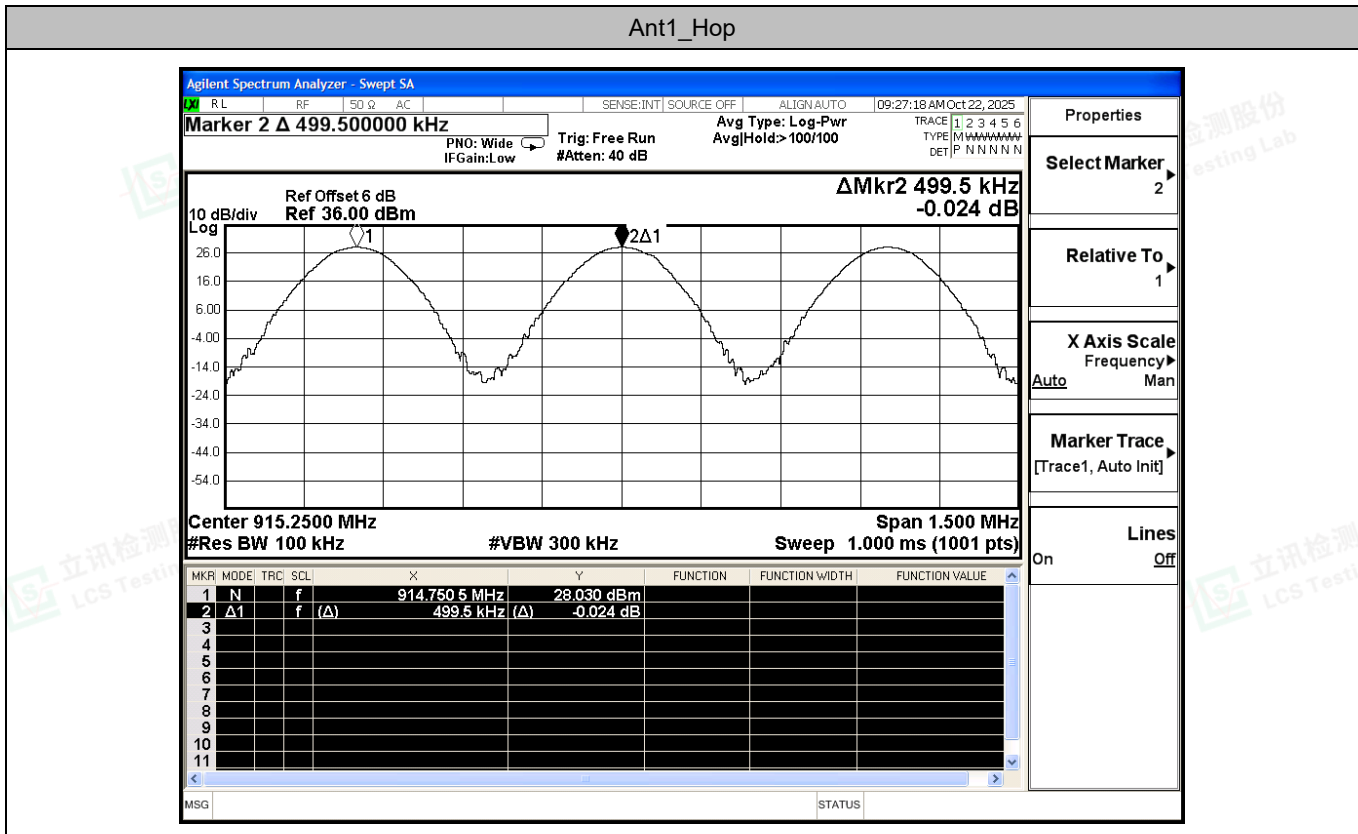


R.3 Carrier frequency separation

Test Result

Antenna	Channel [MHz]	Result[kHz]	Limit[kHz]	Verdict
Ant1	Hop	499.5	--	PASS

Test Graphs



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R.4 Time of occupancy

Test Result

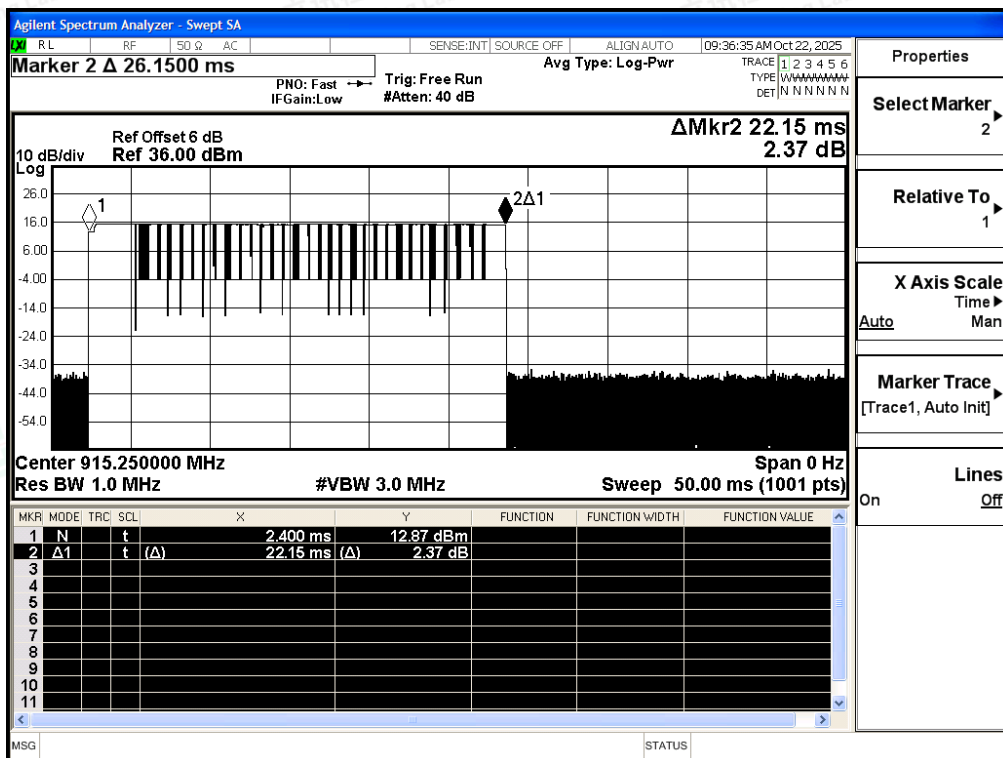
Antenna	Channel [MHz]	Burst Width[ms]	Total Hops [Num]	Result[ms]	Limit[ms]	Verdict
Ant1	Hop	22.15	16	354.4	<=400	PASS



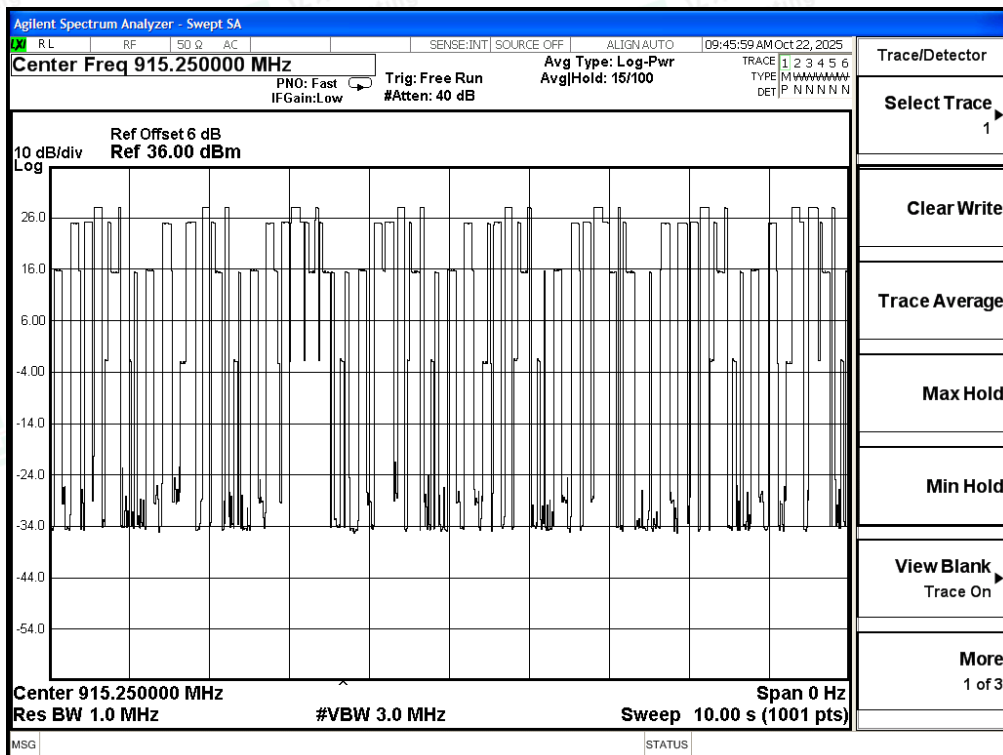


Test Graphs

Ant1_Hop



Ant1_Hop



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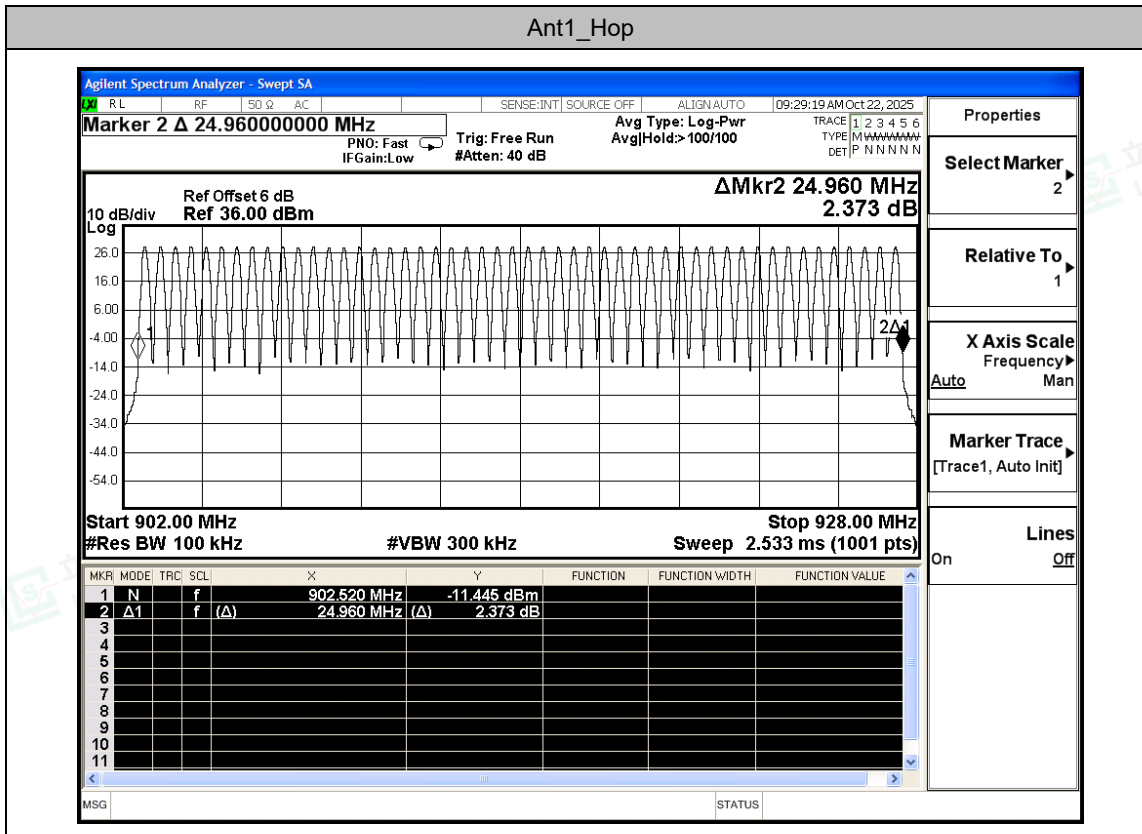


R.5 Number of hopping channels

Test Result

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

Test Graphs



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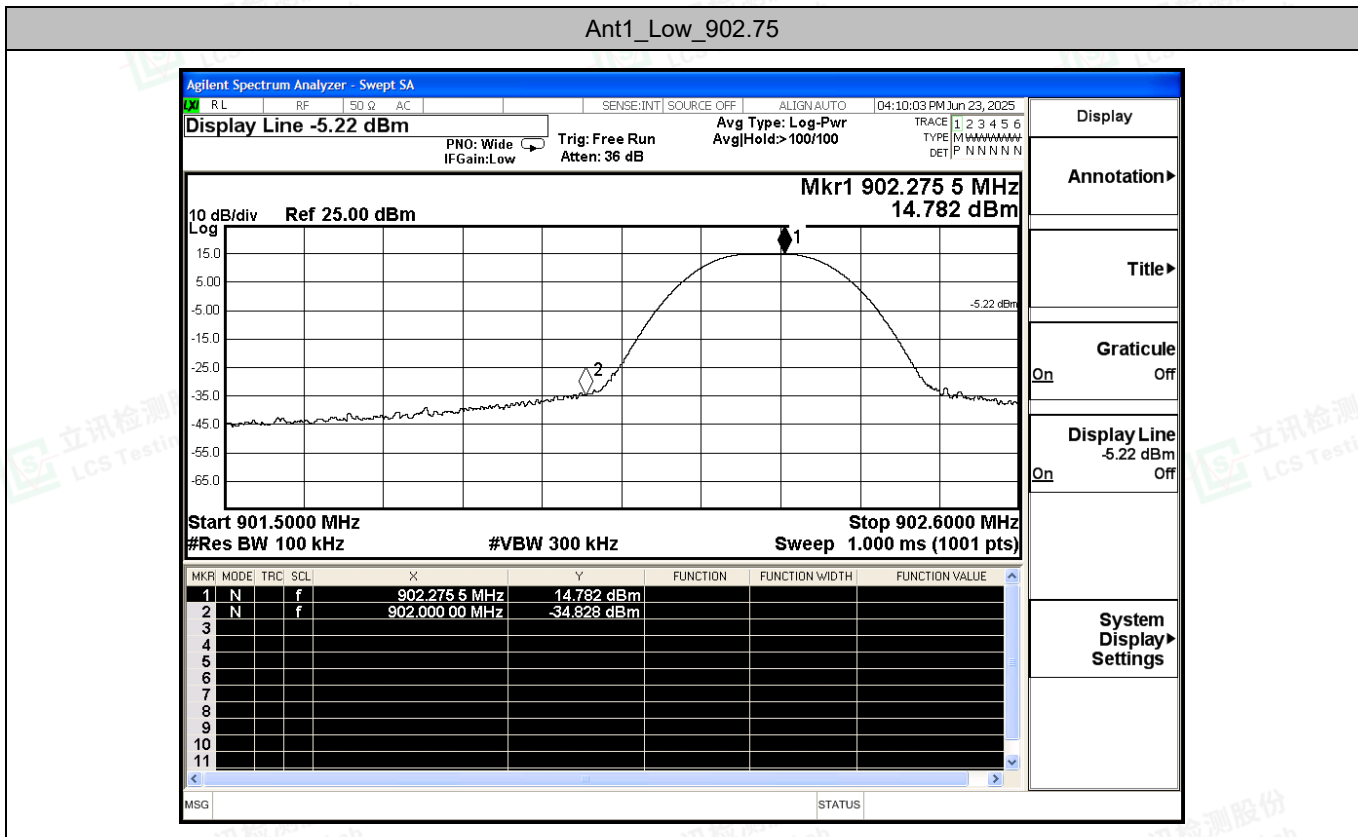


R.6 Band edge measurements

Test Result

Antenna	Ch Name	Channel [MHz]	Ref Level[dBm]	Result[dBm]	Limit[dBm]	Verdict
Ant1	Low	902.75	14.78	-34.828	<=-5.22	PASS
	High	927.25	14.61	-30.032	<=-5.39	PASS
	Low	902.75	14.78	-42.463	<=-5.22	PASS
	High	927.25	14.60	-31.246	<=-5.40	PASS

Test Graphs



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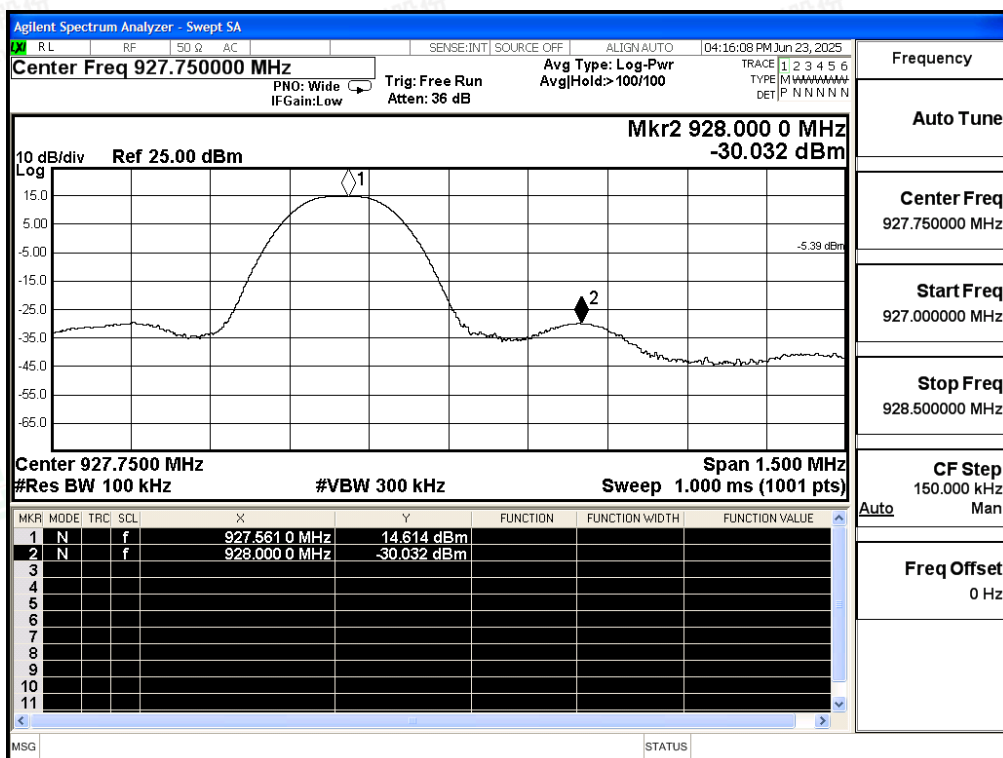
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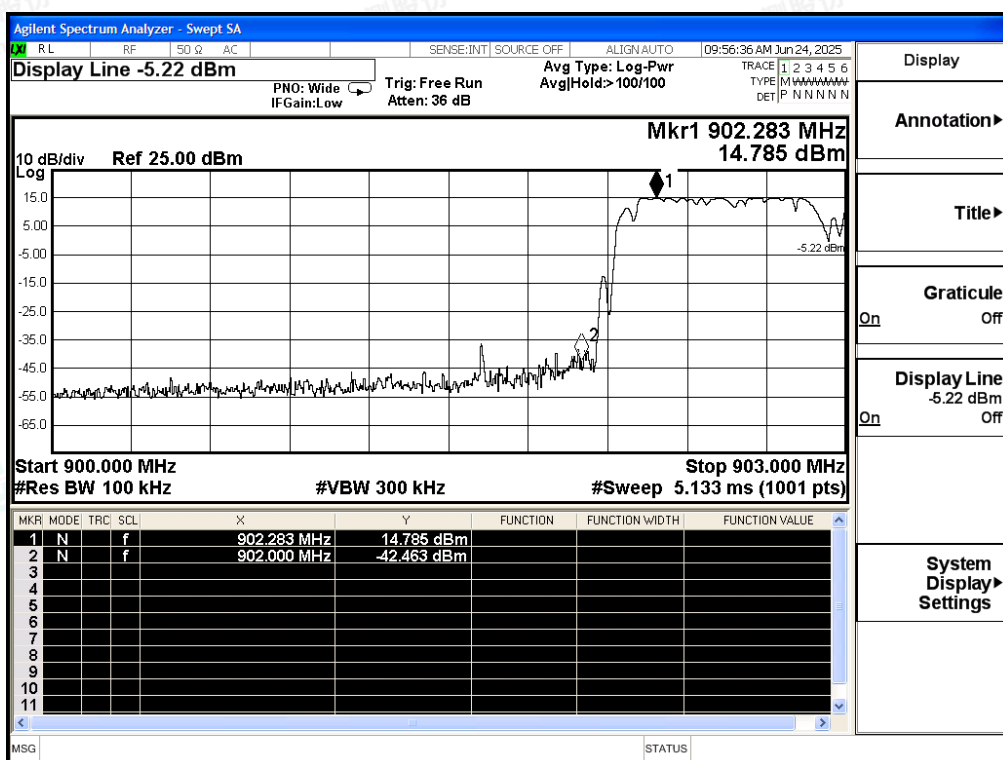
Scan code to check authenticity



Ant1_High_927.25



Ant1_Low_Hop_902.75



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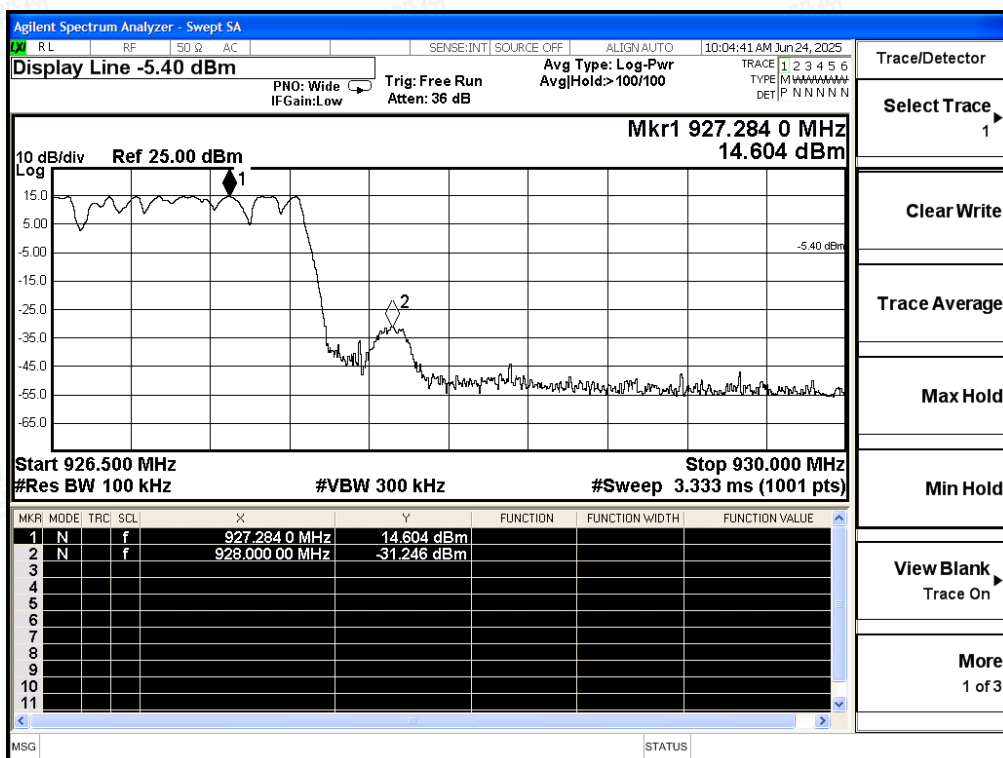
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Ant1_High_Hop_927.25



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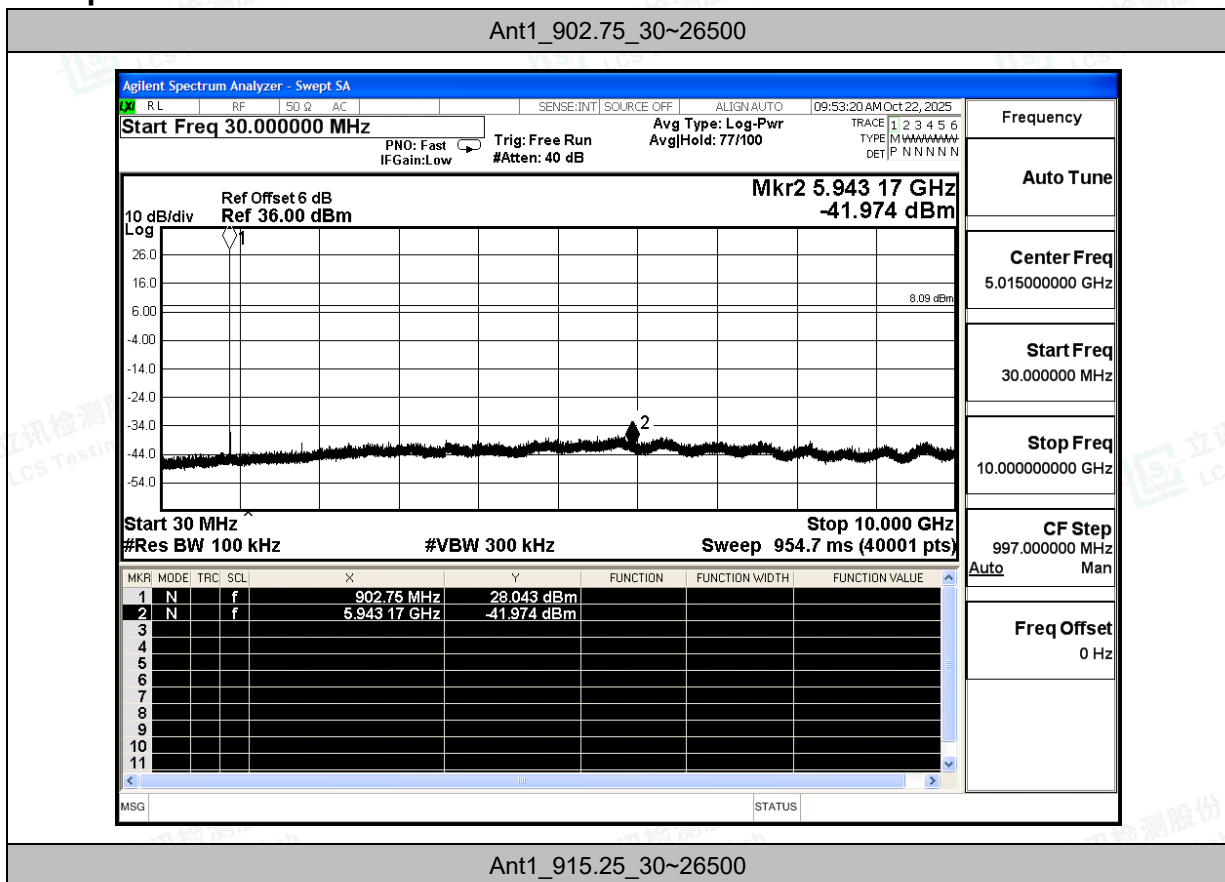


R.7 Conducted Spurious Emission

Test Result

Antenna	Channel [MHz]	Freq Range [MHz]	Ref Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
Ant1	902.75	30~26500	28.043	-41.974	<=-3.50	PASS
	915.25	30~26500	28.018	-40.835	<=-3.14	PASS
	927.25	30~26500	27.980	-40.357	<=-3.10	PASS

Test Graphs

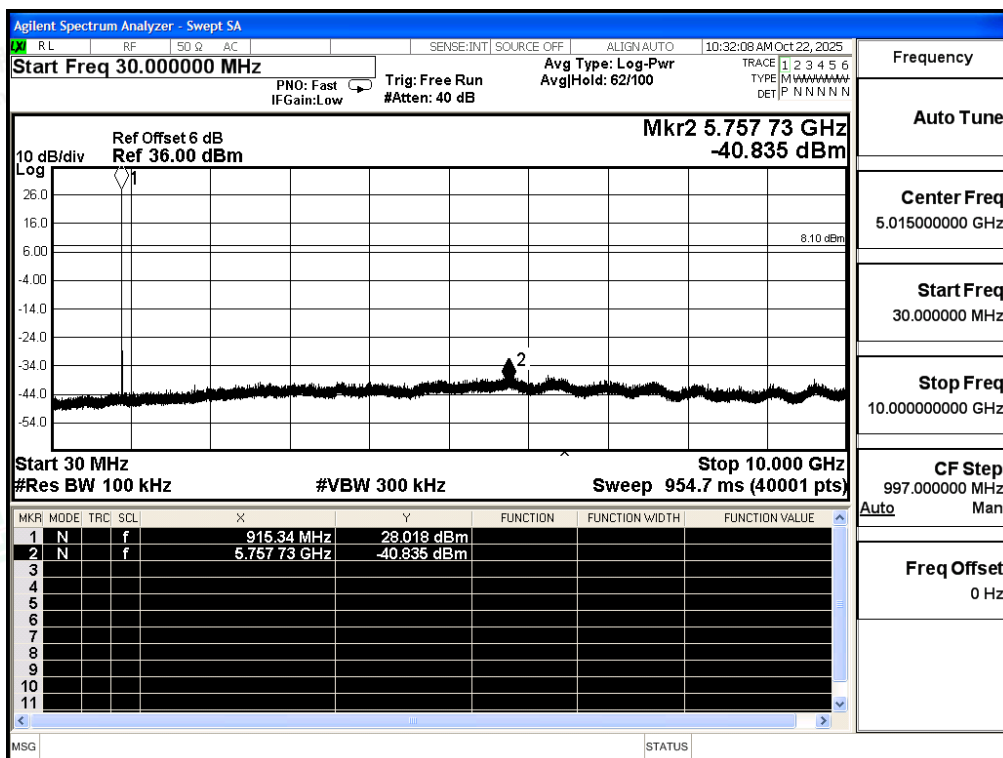


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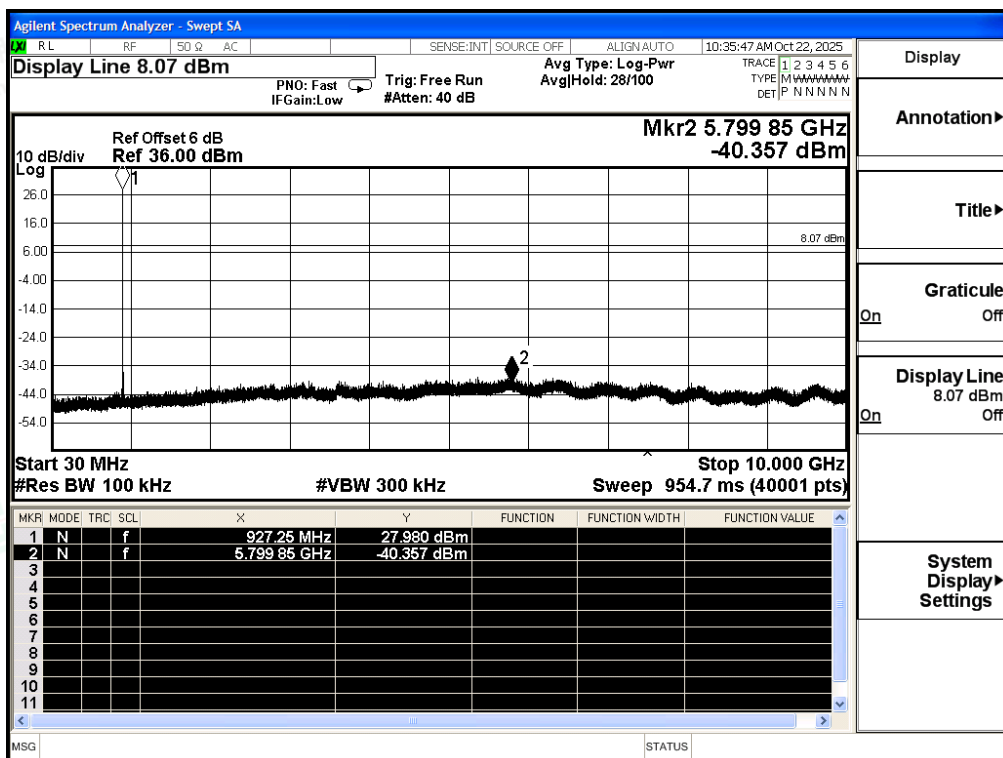
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Ant1_927.25_30~26500



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