



Appendix A

RF Test Data for 900MHz (Conducted Measurement)

Product Name: Outdoor/Indoor Sirens

Test Model: SR40M-SL

Environmental Conditions

Temperature:	23.6°C
Relative Humidity:	53.2%
ATM Pressure:	100.0 kPa
Test Engineer:	Jerry Chu
Supervised by:	Can Kun



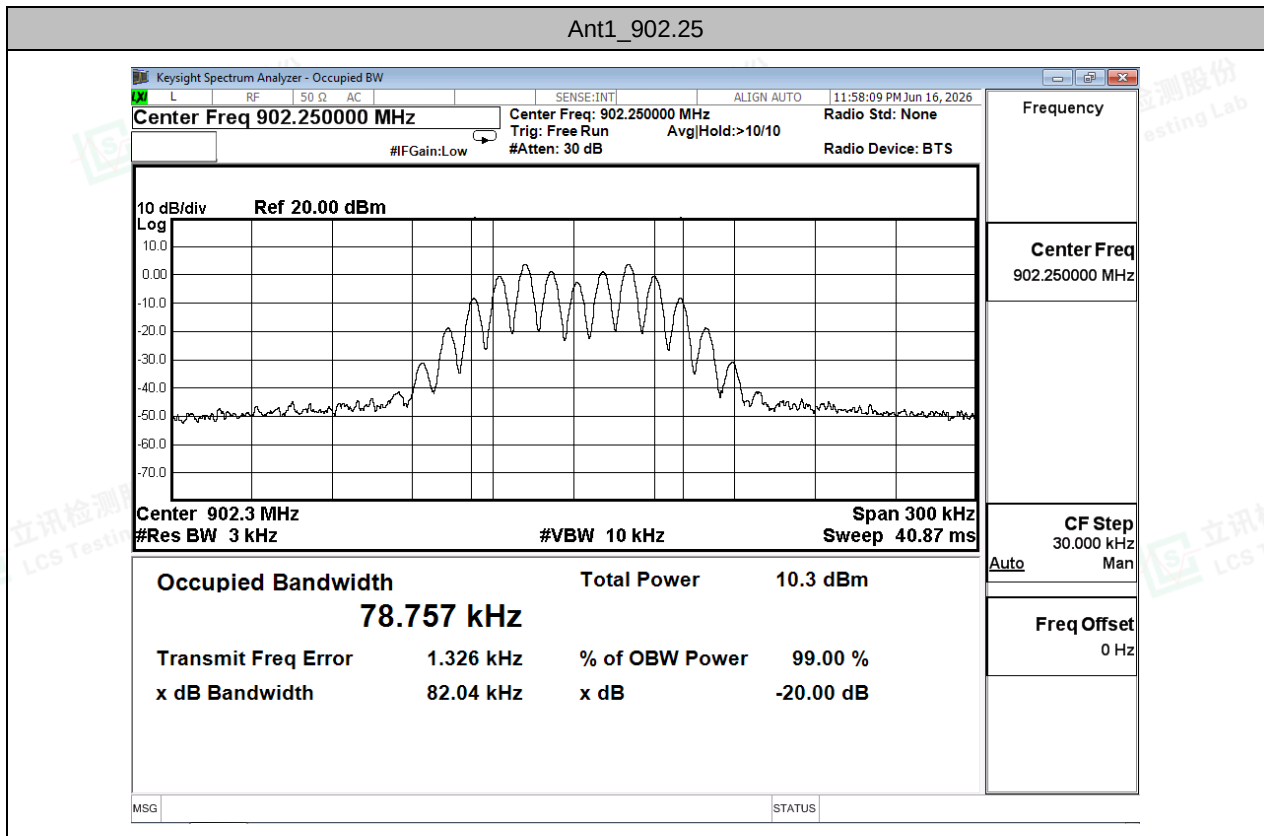


A.1 20dB Emission Bandwidth

Test Result

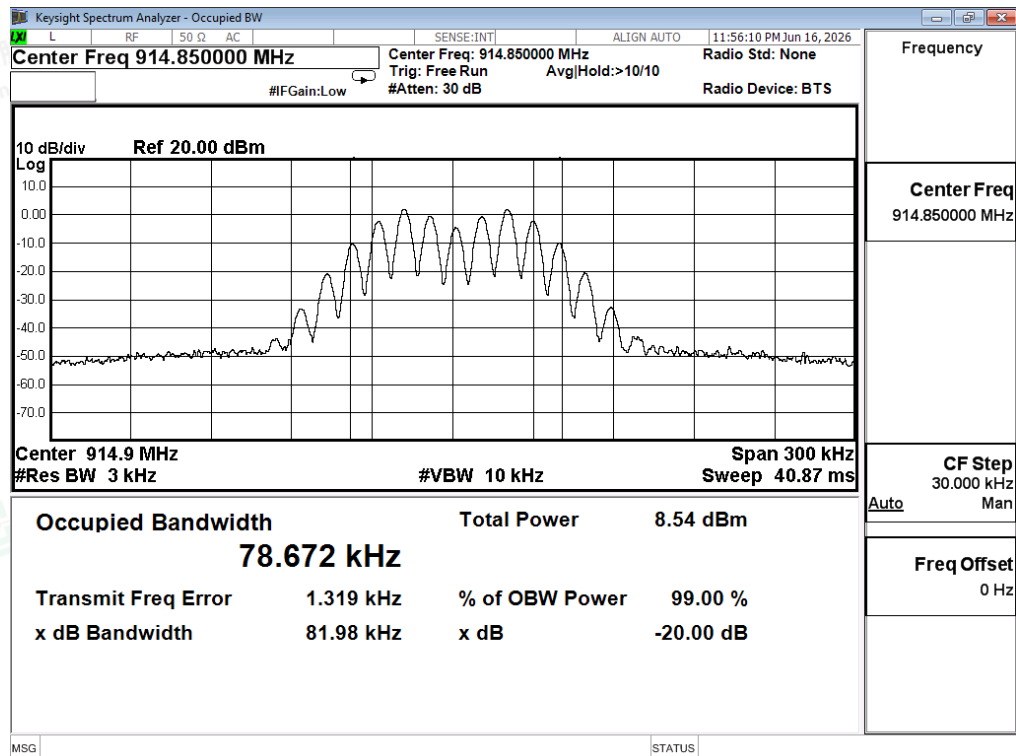
Antenna	Channel[MHz]	20db EBW[kHz]	Limit[MHz]	Verdict
Ant1	902.25	82.04	---	PASS
	914.85	81.98	---	PASS
	927.55	81.94	---	PASS

Test Graphs

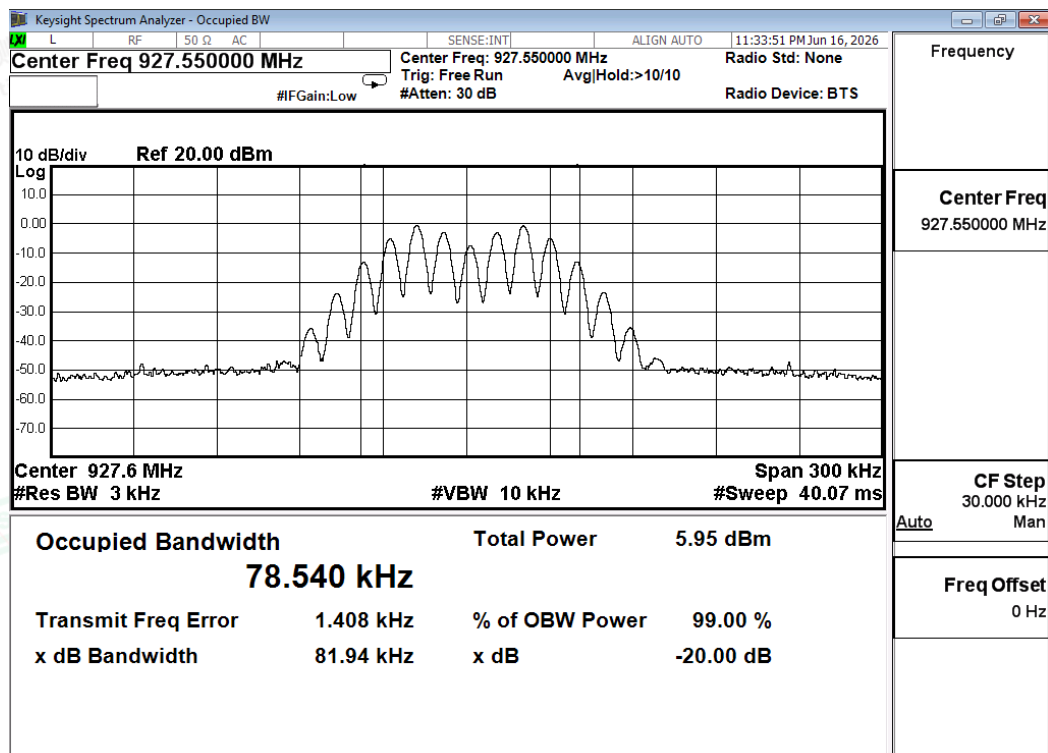




Ant1_914.85



Ant1_927.55



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A.2 Maximum Peak Conducted Output Power

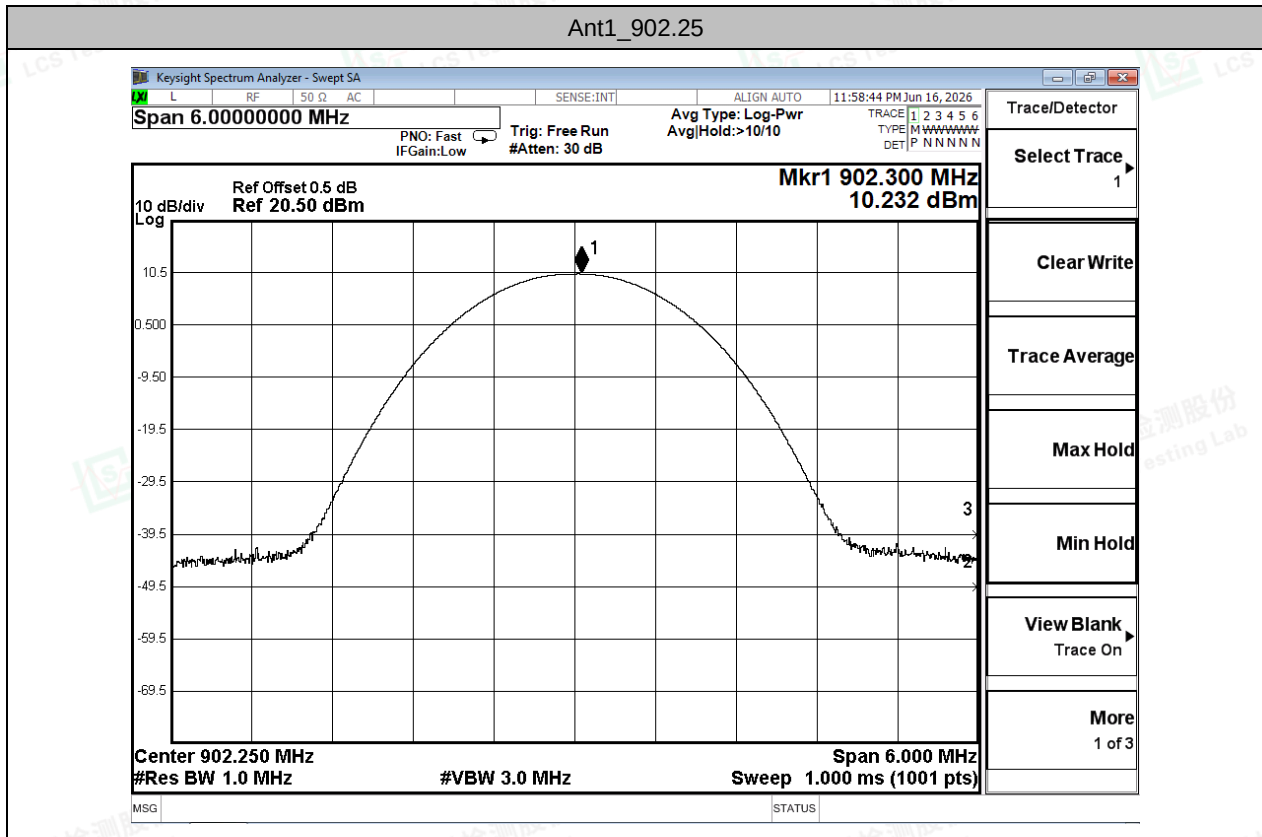
Test Result Peak

Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
Ant1	902.25	10.23	≤30	PASS
	914.85	8.53	≤30	PASS
	927.55	6.51	≤30	PASS



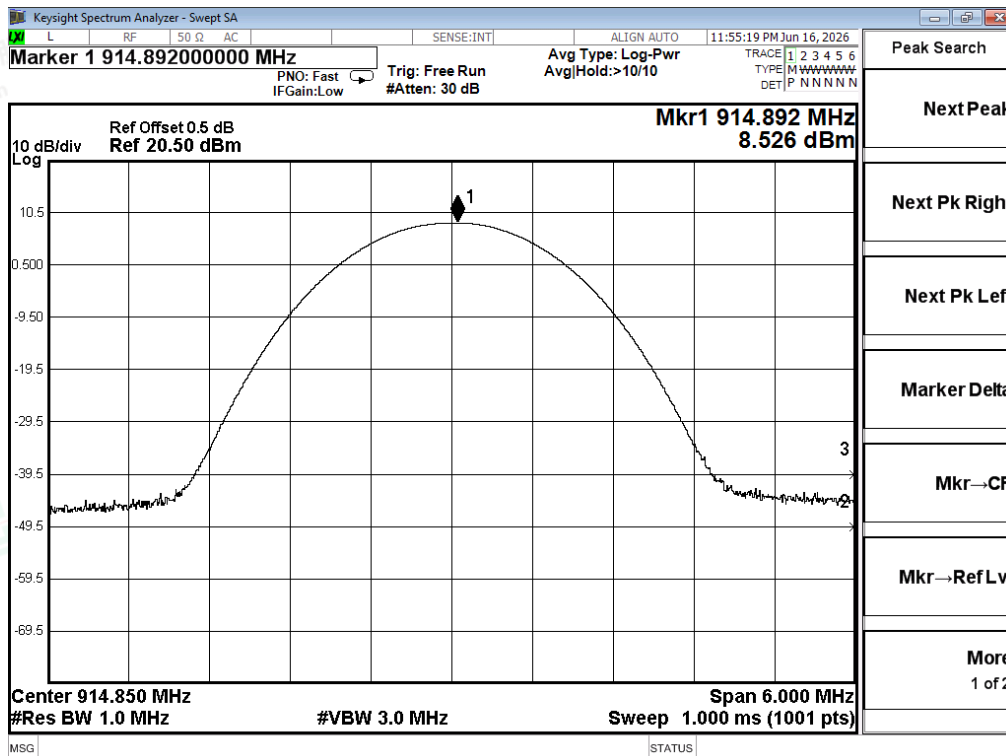


Test Graphs

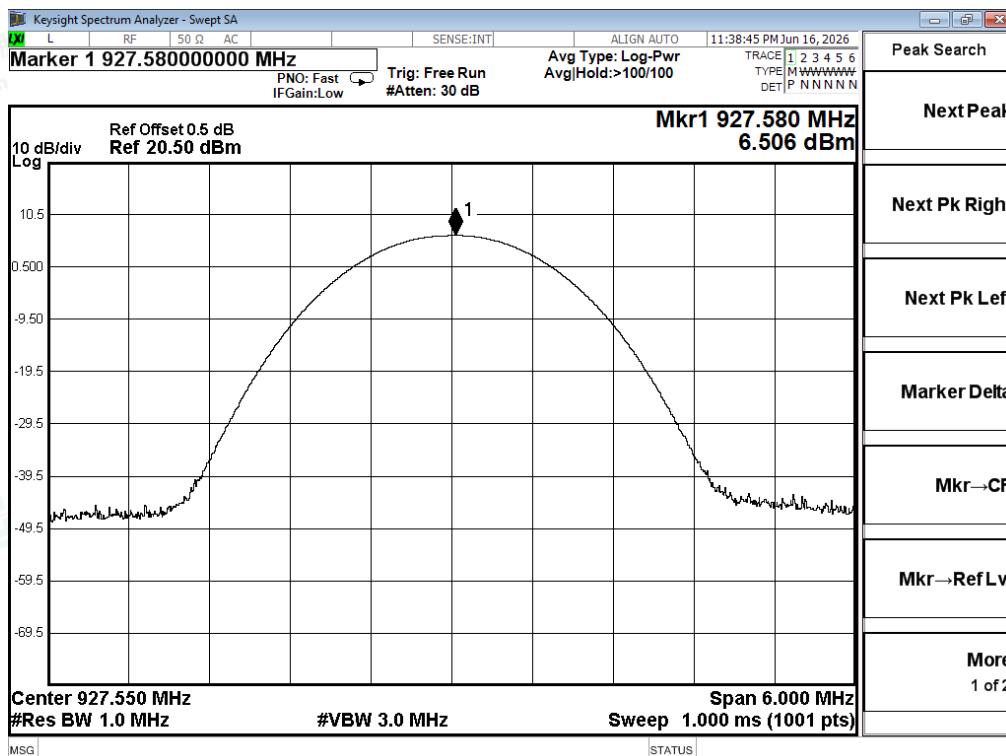




Ant1_914.85



Ant1_927.55



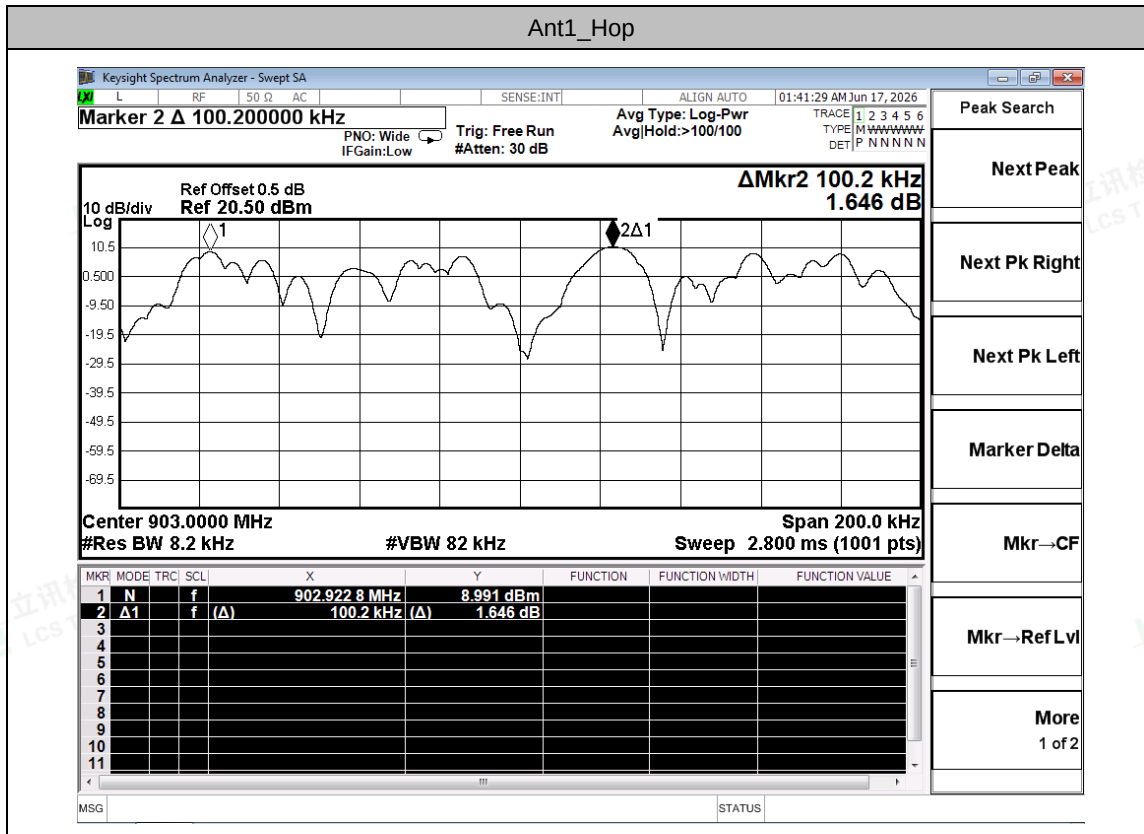


A.3 Carrier frequency separation

Test Result

Antenna	Channel[MHz]	Result[kHz]	Limit[kHz]	Verdict
Ant1	Hop	100.2	82.04	PASS

Test Graphs



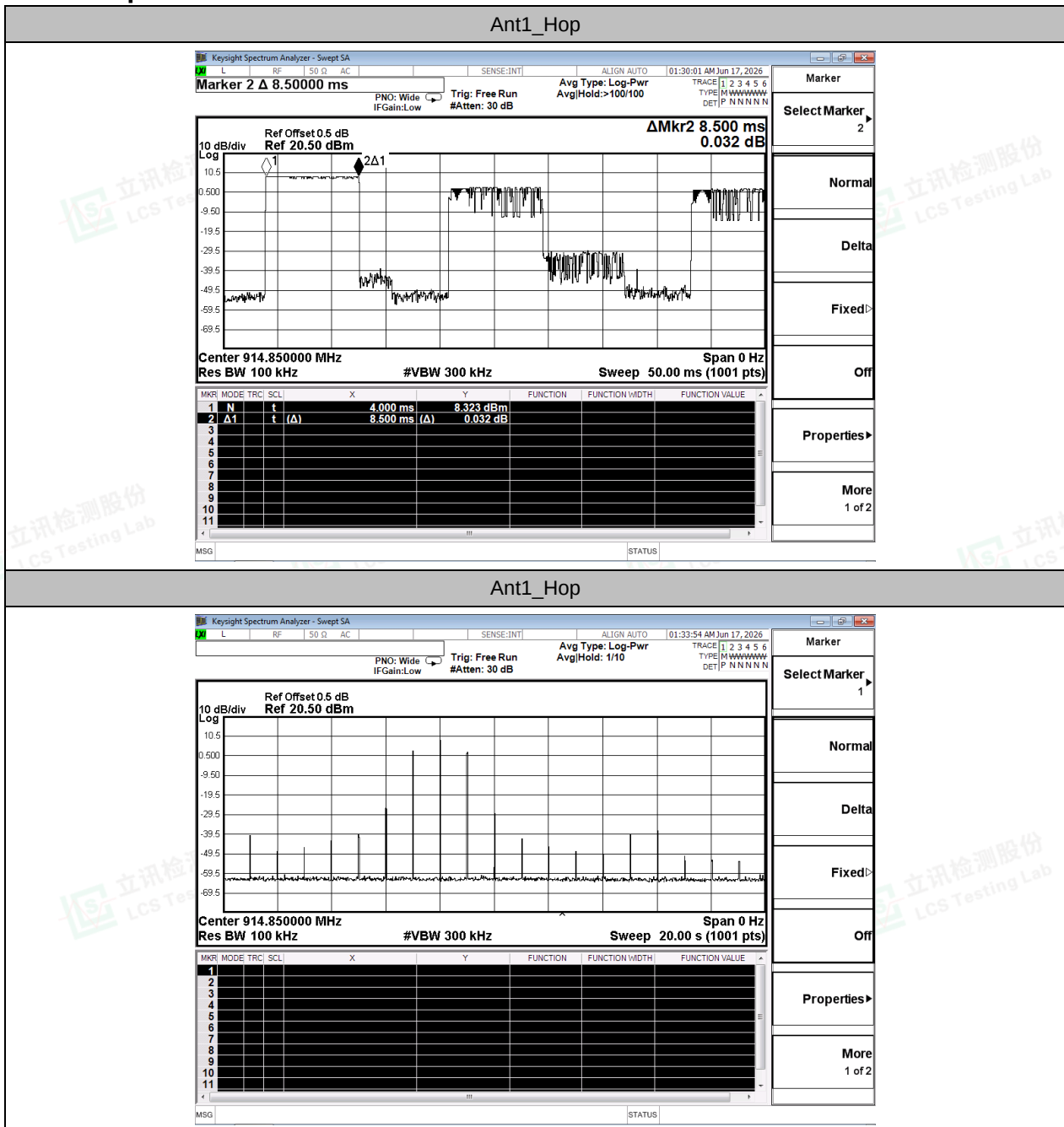


A.4 Time of occupancy

Test Result

Antenna	Channel[MHz]	Burst Width[ms]	Total Hops[Num]	Result[ms]	Limit[ms]	Verdict
Ant1	Hop	8.50	3	25.5	<=400	PASS

Test Graphs



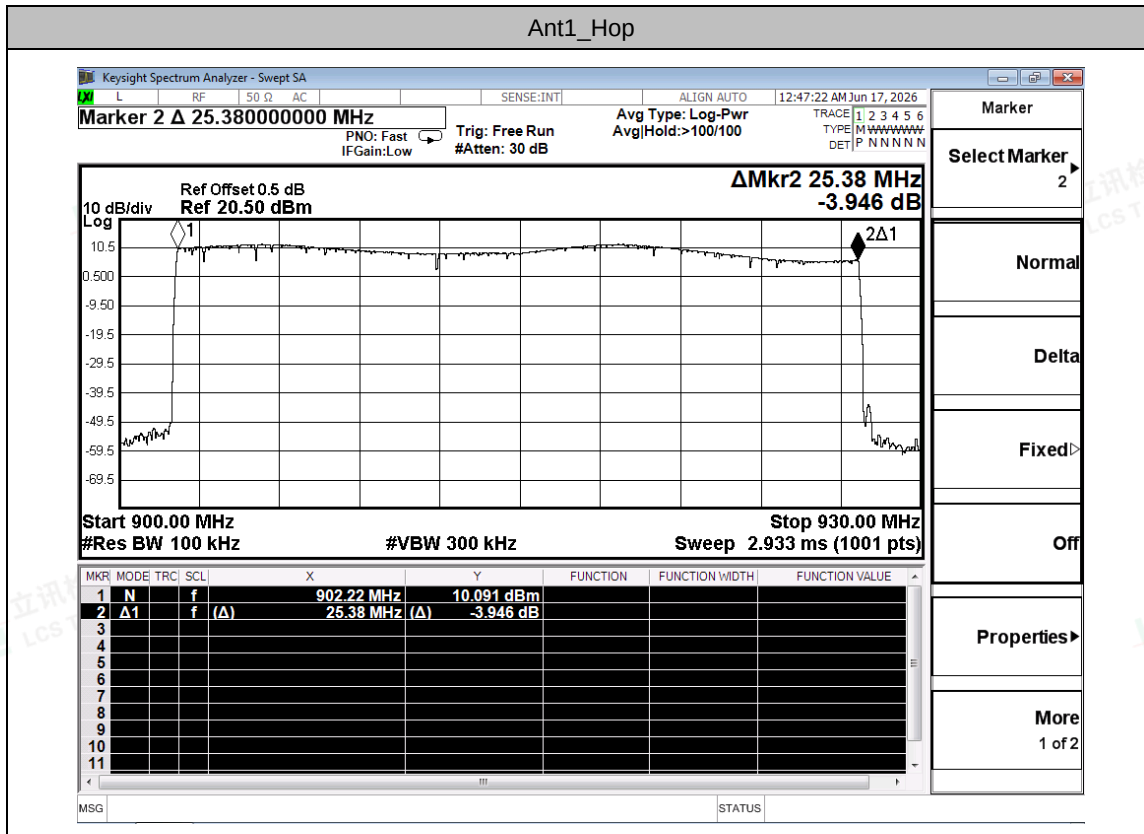


A.5 Number of hopping channels

Test Result

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

Test Graphs



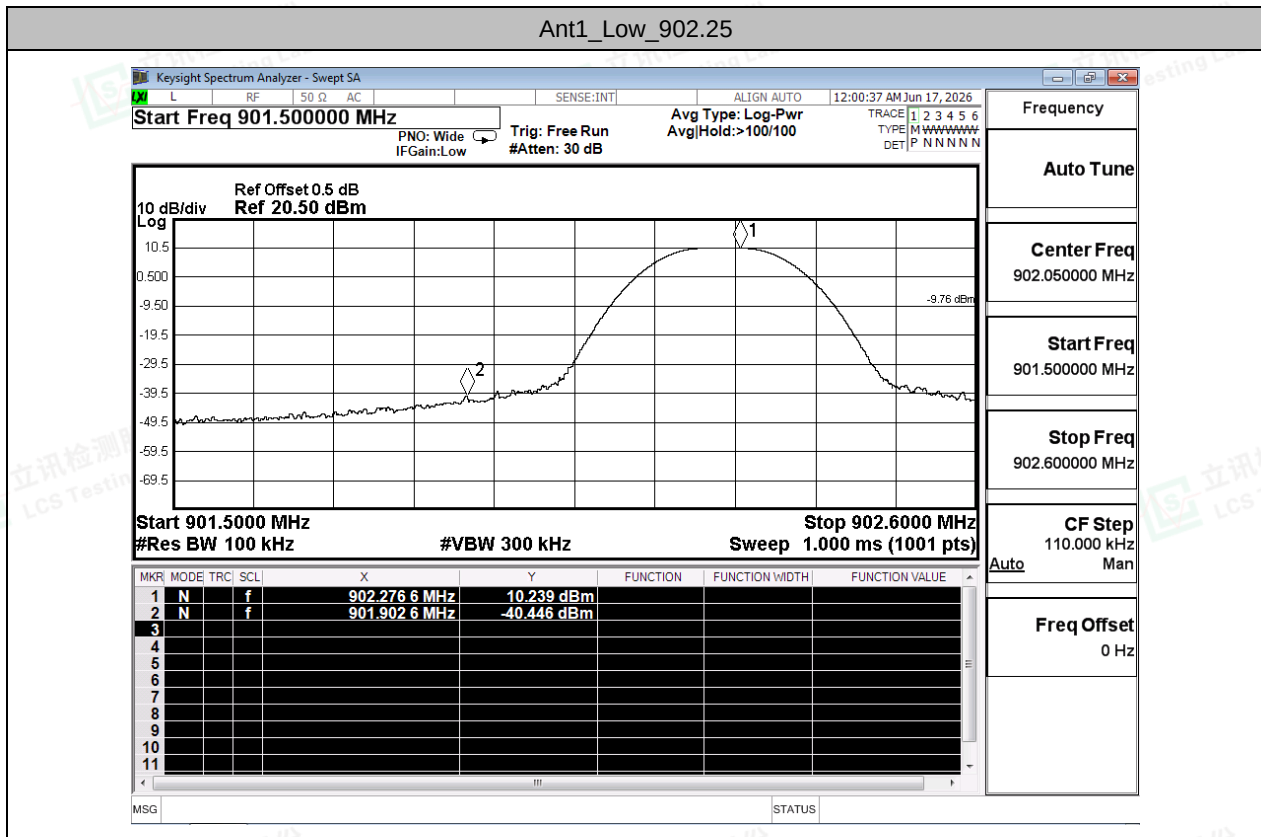


A.6 Band edge measurements

Test Result

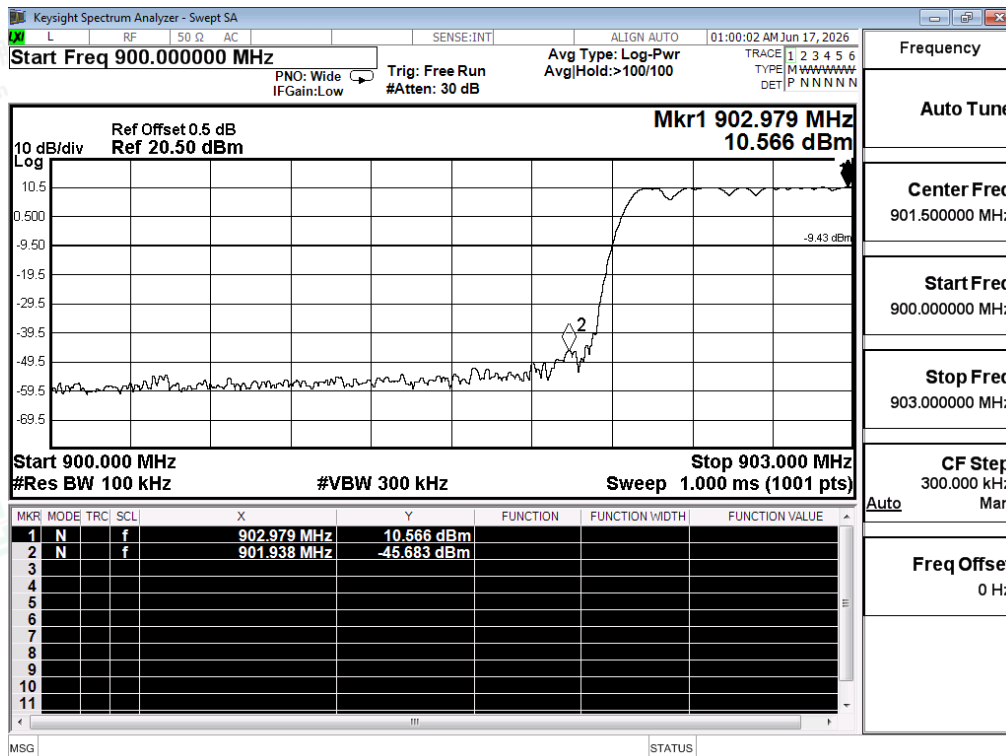
Antenna	Ch Name	Channel[MHz]	Ref Level[dBm]	Result[dBm]	Limit[dBm]	Verdict
Ant1	Low	902.25	10.239	-40.446	<=-9.76	PASS
	Low	Hop_902.25	10.566	-45.683	<=-9.43	PASS
	High	927.55	6.465	-39.815	<=-13.54	PASS
	High	Hop_927.55	6.088	-45.339	<=-13.91	PASS

Test Graphs

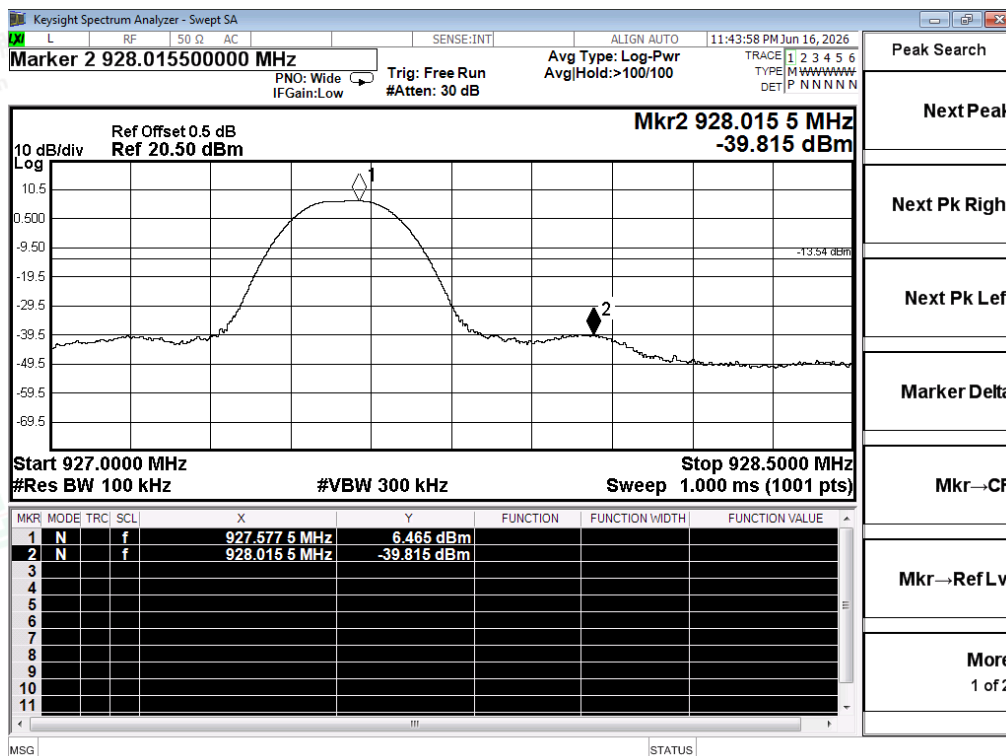




Ant1_High_927.55



Ant1_Low_Hop_902.25



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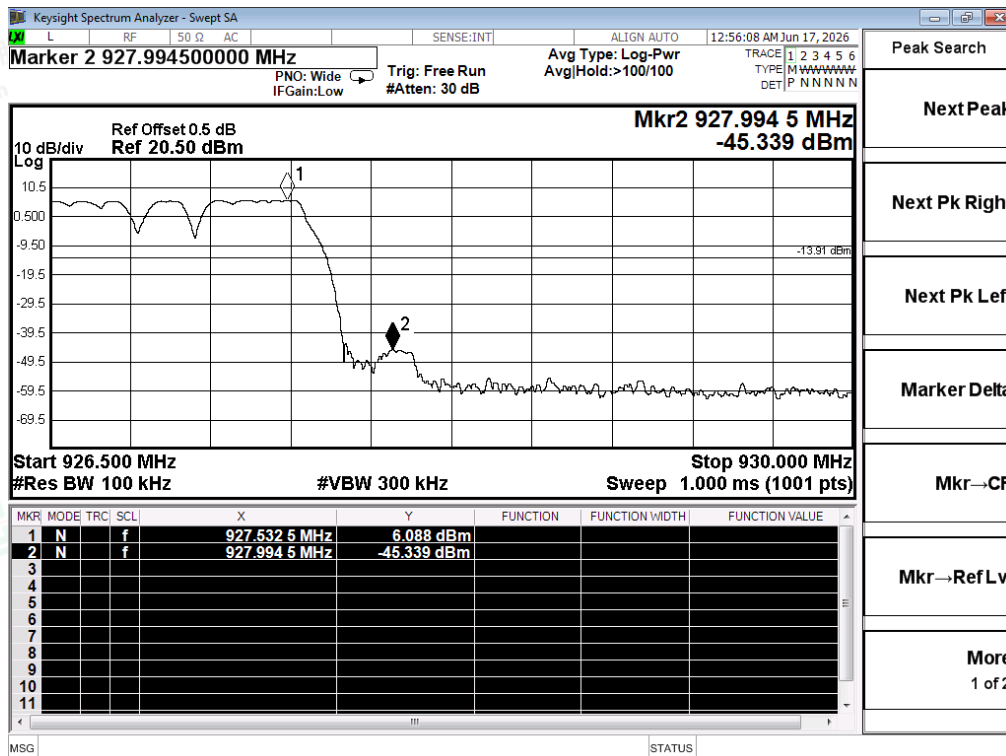
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Ant1_High_Hop_927.55



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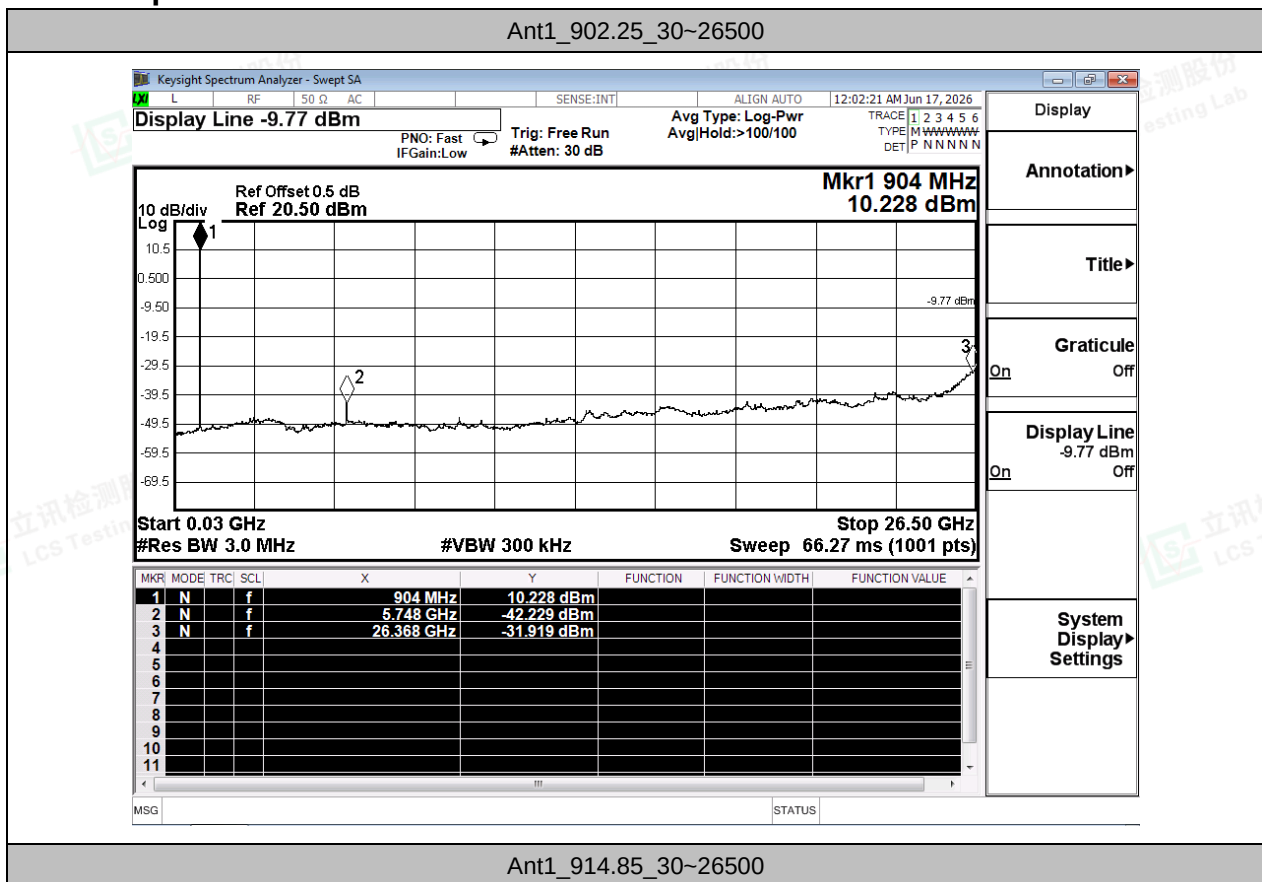


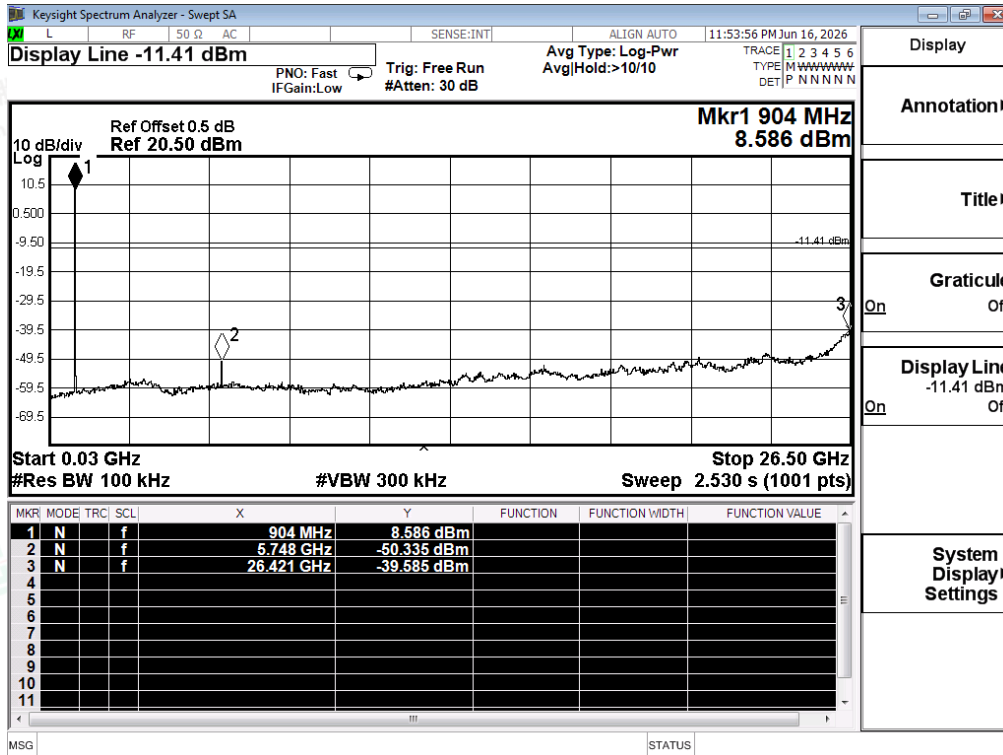
A.7 Conducted Spurious Emission

Test Result

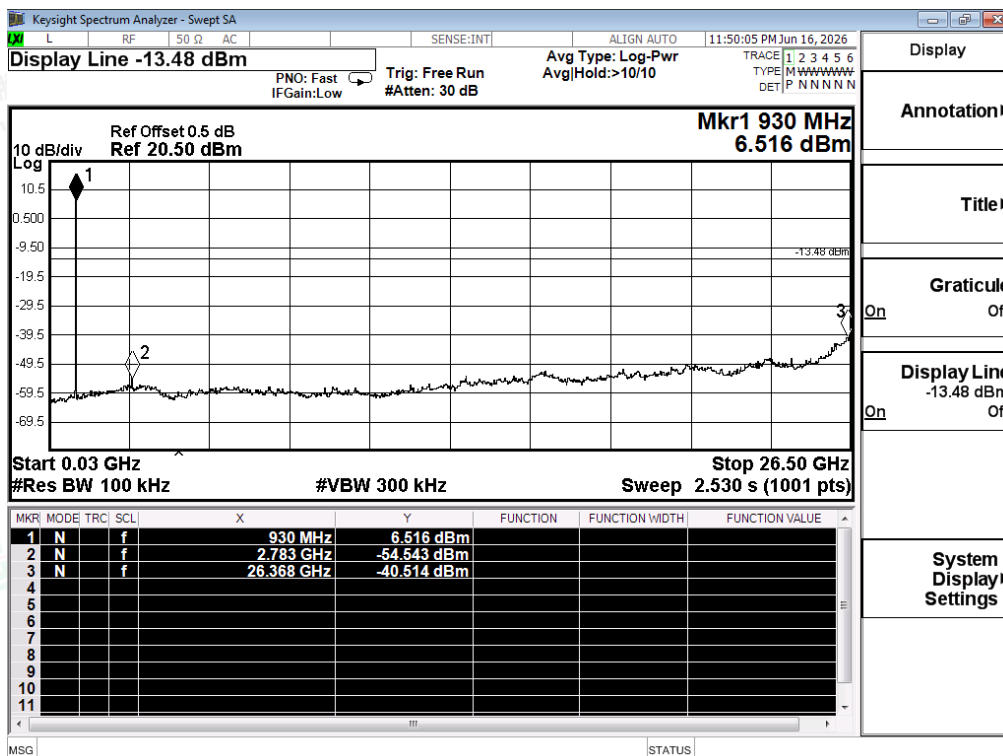
Antenna	Channel[MHz]	Freq Range [MHz]	Ref Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
Ant1	902.25	30~26500	10.228	-31.919	<=-9.77	PASS
	914.85	30~26500	8.586	-39.585	<=-11.41	PASS
	927.55	30~26500	6.516	-40.514	<=-13.48	PASS

Test Graphs





Ant1_927.55_30~26500



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