

Appendix for KSCR2305000877AT

1. Out of band rejection

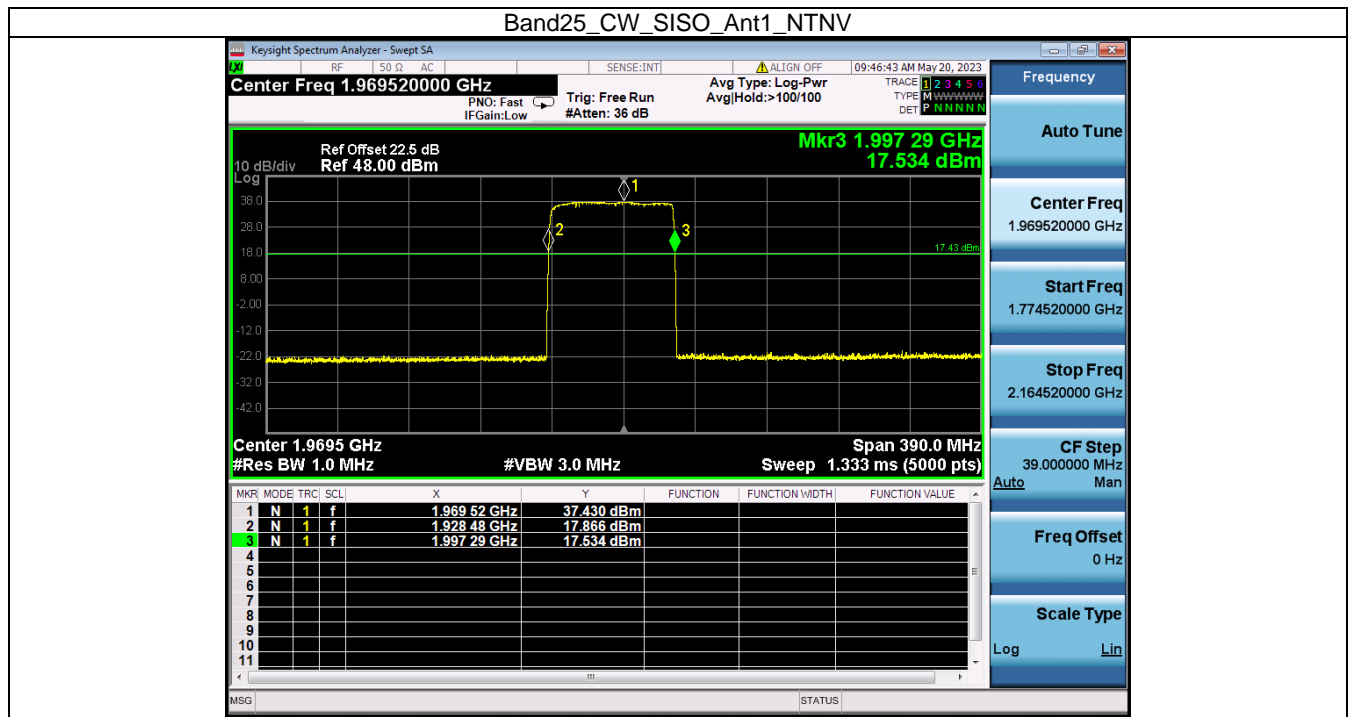
1.1 Test Result

For Band 25

Band: 25 / NTV							
Signal	Sweep Frequency Range (MHz)	TX Type	ANT	F0 (MHz)	FL (MHz)	FH (MHz)	Verdict
CW	1774.52- 2164.52	SISO	1	1969.52	1928.48	1997.29	Pass

1.1.2 Test Graph

For Band 25



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## 2. Input/output power and amplifier/booster gain

### 2.1. Test Result

For Band25\_EIRP

Band: 25 / NTV										
Signal			TX Type	ANT	Conducted Power (dBm/MHz)		EIRP (dBm/MHz)		Booster Gain (dB)	Verdict
Type	Level (dBm)	Frequency (MHz)			Output	Input	Result	Limit		
AWGN	0.1	1969.52	SISO	1	31.842	-6.09	43.842	<=62.15	37.932	Pass
	3.1	1969.52	SISO	1	31.786	-4.05	43.786	<=62.15	/	Pass
GMSK	0.1	1969.52	SISO	1	37.420	0.15	49.420	<=62.15	37.270	Pass
	3.1	1969.52	SISO	1	37.490	3.08	49.490	<=62.15	/	Pass

Band: 25 / NTV						
Signal			Conducted Power (dBm)	EIRP (dBm)	Limit (dBm)	Verdict
Type	Level (dBm)	Frequency (MHz)	SISO	SISO		
AWGN	0.1	1969.52	37.17	49.17	/	Pass
	3.1	1969.52	37.25	49.25	/	Pass
GMSK	0.1	1969.52	37.23	49.23	/	Pass
	3.1	1969.52	37.29	49.29	/	Pass

For 5GNR N25\_EIRP

N25 / NTV										
Signal			TX Type	ANT	Conducted Power (dBm/MHz)		EIRP (dBm/MHz)		Booster Gain (dB)	Verdict
Type	Level (dBm)	Frequency (MHz)			Output	Input	Result	Limit		
AWGN	0.1	1962.5	SISO	1	20.407	-17.01	32.407	<=62.15	37.417	Pass
	3.1	1962.5	SISO	1	20.743	-13.98	32.743	<=62.15	/	Pass

N25 / NTV						
Signal			Conducted Power (dBm)	EIRP (dBm)	Limit (dBm)	Verdict
Type	Level (dBm)	Frequency (MHz)	SISO	SISO		
AWGN	0.1	1969.52	37.07	49.07	/	Pass
	3.1	1969.52	37.15	49.15	/	Pass



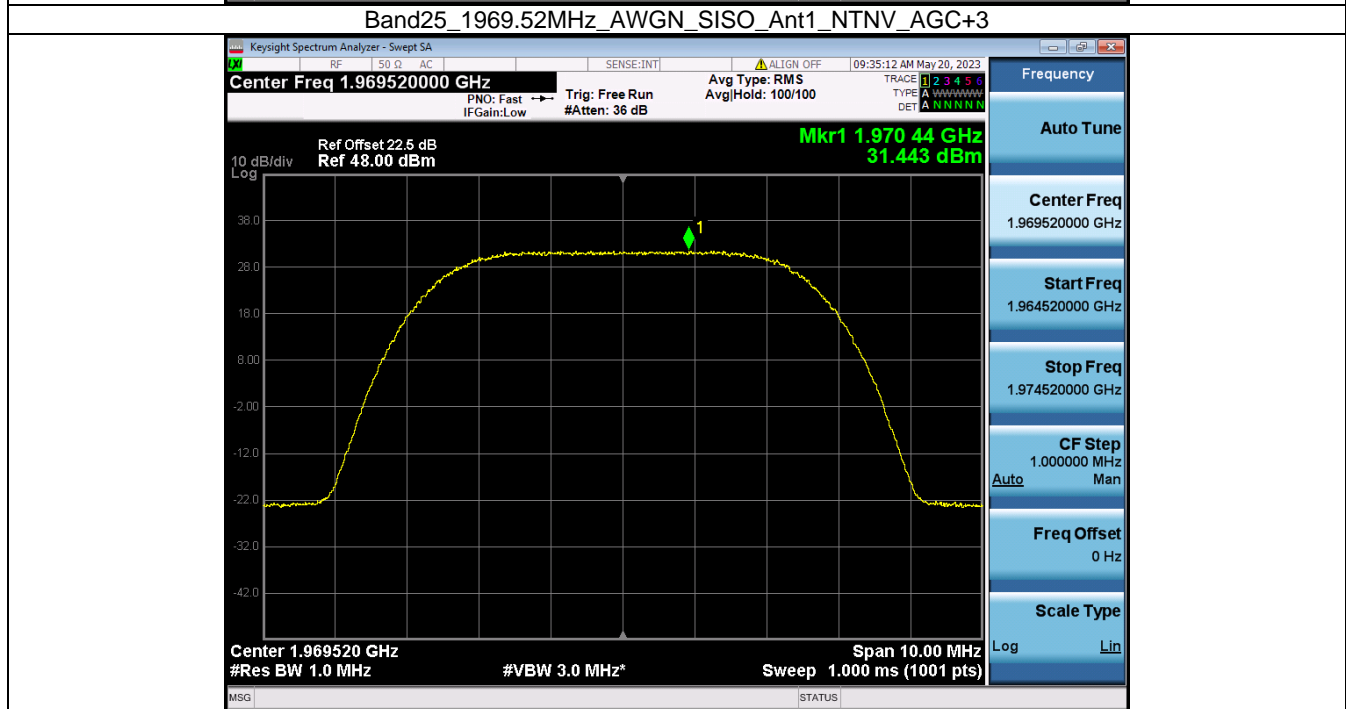
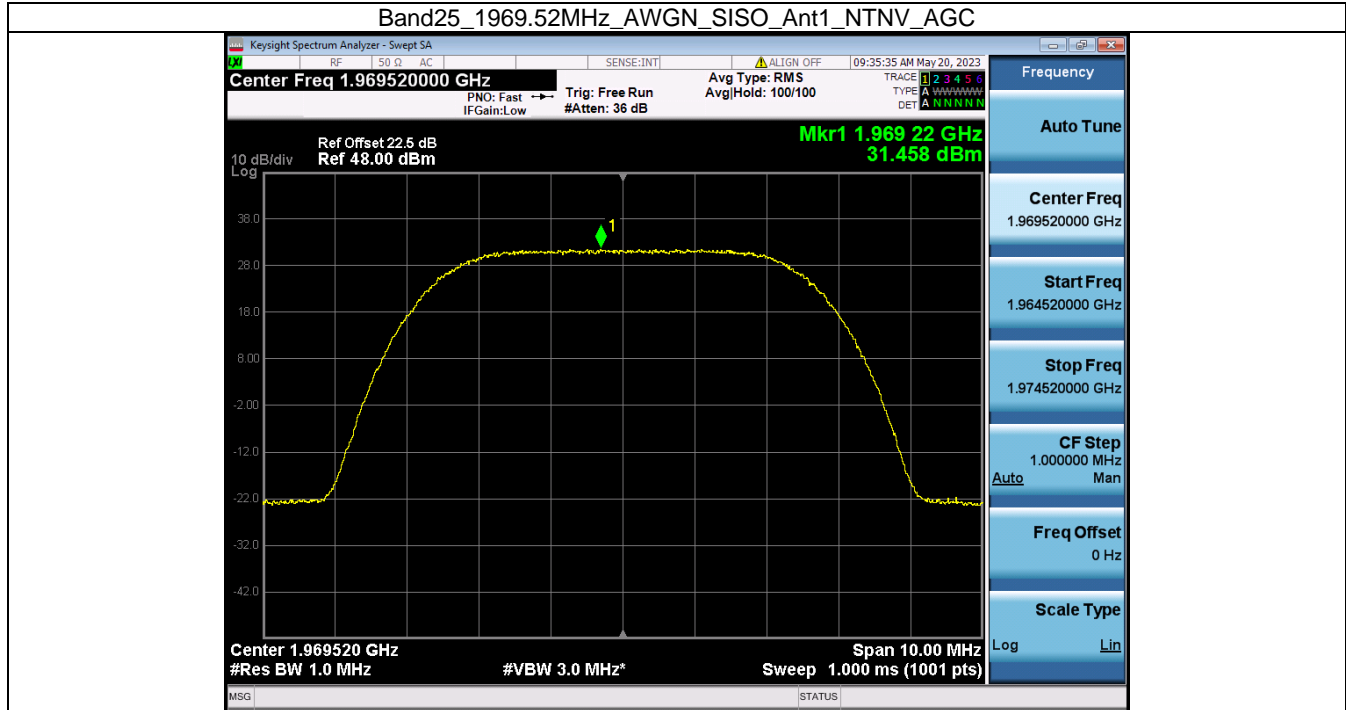
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2.1.1 Test Graph

For Band25

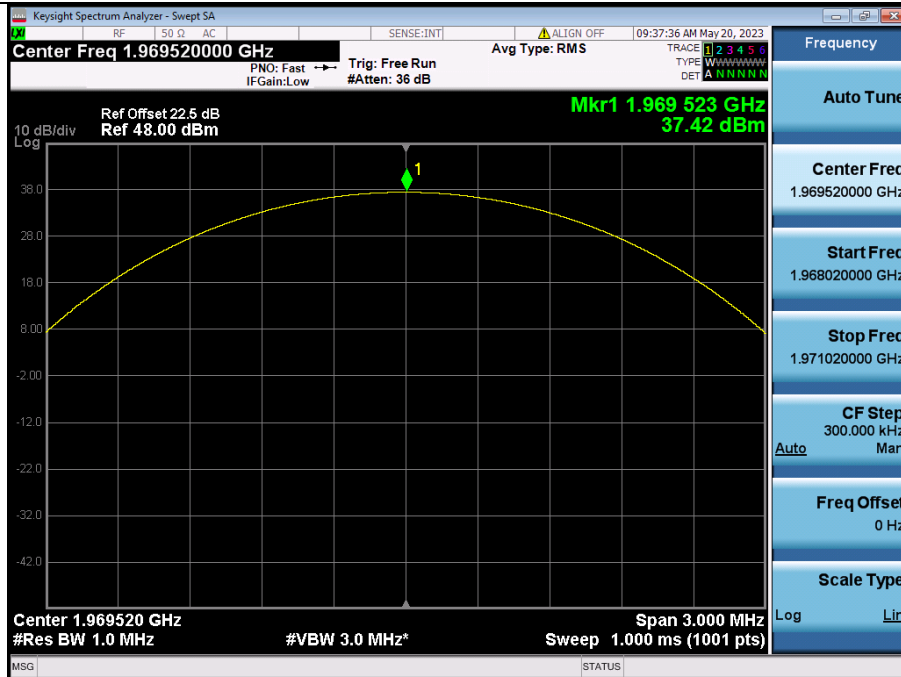


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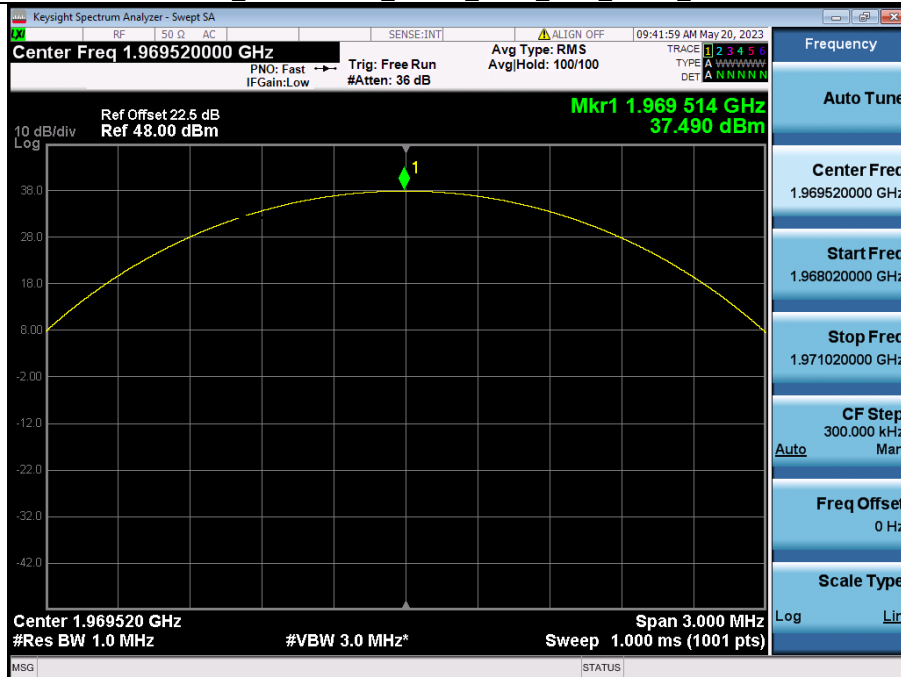
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Band25\_1969.52MHz\_GMSK\_SISO\_Ant1\_NTNV\_AGC



Band25\_1969.52MHz\_GMSK\_SISO\_Ant1\_NTNV\_AGC+3



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For N25



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### 3. Radiated Spurious Emissions

#### 3.1. Test Result

For Band 25

AWGN_Low channel					
Frequency	Spurious Emission		Limit	Over limit	Result
	Polarization and Level				
MHz	polarization	dBm	dBm	dB	
214.478	Horizontal	-62.71	-13	-49.71	pass
375.442	Horizontal	-62.83	-13	-49.83	pass
866.909	Horizontal	-55.43	-13	-42.43	pass
2514.970	Horizontal	-52.33	-13	-39.33	pass
9539.180	Horizontal	-48.38	-13	-35.38	pass
13368.970	Horizontal	-40.55	-13	-27.55	pass
227.299	Vertical	-64.70	-13	-51.70	pass
496.806	Vertical	-57.28	-13	-44.28	pass
670.512	Vertical	-69.05	-13	-56.05	pass
3600.480	Vertical	-53.27	-13	-40.27	pass
9172.770	Vertical	-54.75	-13	-41.75	pass
14367.720	Vertical	-39.89	-13	-26.89	pass

AWGN_Middle channel					
Frequency	Spurious Emission		Limit	Over limit	Result
	Polarization and Level				
MHz	polarization	dBm	dBm	dB	
134.699	Horizontal	-68.64	-13	-55.64	pass
507.666	Horizontal	-69.07	-13	-56.07	pass
794.272	Horizontal	-65.71	-13	-52.71	pass
3587.320	Horizontal	-47.11	-13	-34.11	pass
9554.470	Horizontal	-47.50	-13	-34.50	pass
12360.500	Horizontal	-41.26	-13	-28.26	pass
78.922	Vertical	-63.14	-13	-50.14	pass
570.199	Vertical	-58.35	-13	-45.35	pass
831.045	Vertical	-56.03	-13	-43.03	pass
2608.310	Vertical	-53.42	-13	-40.42	pass
9539.760	Vertical	-54.15	-13	-41.15	pass
13663.550	Vertical	-36.43	-13	-23.43	pass



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AWGN_High channel					
Frequency	Spurious Emission		Limit	Over limit	Result
	Polarization and Level				
MHz	polarization	dBm	dBm	dB	
202.796	Horizontal	-69.60	-13	-56.60	pass
709.752	Horizontal	-61.32	-13	-48.32	pass
909.726	Horizontal	-59.81	-13	-46.81	pass
3004.89	Horizontal	-50.35	-13	-37.35	pass
8562.29	Horizontal	-55.19	-13	-42.19	pass
13070.65	Horizontal	-40.25	-13	-27.25	pass
364.479	Vertical	-66.41	-13	-53.41	pass
682.225	Vertical	-55.18	-13	-42.18	pass
861.835	Vertical	-56.97	-13	-43.97	pass
2597.780	Vertical	-53.07	-13	-40.07	pass
7570.790	Vertical	-52.50	-13	-39.50	pass
12684.560	Vertical	-43.53	-13	-30.53	pass

GMSK_Low channel					
Frequency	Spurious Emission		Limit	Over limit	Result
	Polarization and Level				
MHz	polarization	dBm	dBm	dB	
178.258	Horizontal	-62.33	-13	-49.33	pass
395.942	Horizontal	-57.58	-13	-44.58	pass
582.169	Horizontal	-59.63	-13	-46.63	pass
2921.660	Horizontal	-49.47	-13	-36.47	pass
7583.090	Horizontal	-47.34	-13	-34.34	pass
12751.940	Horizontal	-38.06	-13	-25.06	pass
270.689	Vertical	-64.40	-13	-51.40	pass
500.906	Vertical	-55.06	-13	-42.06	pass
693.542	Vertical	-56.71	-13	-43.71	pass
1923.260	Vertical	-47.73	-13	-34.73	pass
8281.670	Vertical	-54.32	-13	-41.32	pass
13145.940	Vertical	-38.91	-13	-25.91	pass



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GMSK_Middle channel					
Frequency	Spurious Emission		Limit	Over limit	Result
	Polarization and Level				
MHz	polarization	dBm	dBm	dB	
189.676	Horizontal	-66.12	-13	-53.12	pass
679.542	Horizontal	-65.41	-13	-52.41	pass
916.146	Horizontal	-60.16	-13	-47.16	pass
2512.240	Horizontal	-47.25	-13	-34.25	pass
9440.010	Horizontal	-49.49	-13	-36.49	pass
13529.620	Horizontal	-42.06	-13	-29.06	pass
178.292	Vertical	-62.14	-13	-49.14	pass
600.049	Vertical	-55.07	-13	-42.07	pass
803.405	Vertical	-56.83	-13	-43.83	pass
3082.560	Vertical	-47.98	-13	-34.98	pass
9185.440	Vertical	-48.88	-13	-35.88	pass
13209.010	Vertical	-36.95	-13	-23.95	pass

GMSK_High channel					
Frequency	Spurious Emission		Limit	Over limit	Result
	Polarization and Level				
MHz	polarization	dBm	dBm	dB	
197.432	Horizontal	-63.10	-13	-50.1	pass
586.709	Horizontal	-58.14	-13	-45.14	pass
814.105	Horizontal	-58.75	-13	-45.75	pass
2080.400	Horizontal	-50.32	-13	-37.32	pass
9103.410	Horizontal	-47.87	-13	-34.87	pass
12870.990	Horizontal	-43.49	-13	-30.49	pass
252.439	Vertical	-65.78	-13	-52.78	pass
503.076	Vertical	-54.19	-13	-41.19	pass
878.032	Vertical	-56.29	-13	-43.29	pass
2505.610	Vertical	-51.73	-13	-38.73	pass
9452.180	Vertical	-53.03	-13	-40.03	pass
13158.730	Vertical	-36.71	-13	-23.71	pass



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For N25

AWGN_Low channel					
Frequency	Spurious Emission		Limit	Over limit	Result
	Polarization and Level				
MHz	polarization	dBm	dBm	dB	
182.982	Horizontal	-63.64	-13	-50.64	pass
560.529	Horizontal	-59.52	-13	-46.52	pass
852.515	Horizontal	-52.22	-13	-39.22	pass
2729.690	Horizontal	-49.32	-13	-36.32	pass
9765.820	Horizontal	-52.16	-13	-39.16	pass
11363.310	Horizontal	-44.17	-13	-31.17	pass
130.206	Vertical	-66.62	-13	-53.62	pass
683.402	Vertical	-59.76	-13	-46.76	pass
914.126	Vertical	-54.96	-13	-41.96	pass
2693.480	Vertical	-49.01	-13	-36.01	pass
9753.520	Vertical	-51.67	-13	-38.67	pass
11352.620	Vertical	-40.77	-13	-27.77	pass

AWGN_Middle channel					
Frequency	Spurious Emission		Limit	Over limit	Result
	Polarization and Level				
MHz	polarization	dBm	dBm	dB	
193.989	Horizontal	-64.14	-13	-51.14	pass
798.525	Horizontal	-56.09	-13	-43.09	pass
859.425	Horizontal	-57.72	-13	-44.72	pass
2698.000	Horizontal	-52.50	-13	-39.50	pass
9780.150	Horizontal	-50.09	-13	-37.09	pass
11361.220	Horizontal	-41.09	-13	-28.09	pass
112.886	Vertical	-65.42	-13	-52.42	pass
713.662	Vertical	-55.82	-13	-42.82	pass
919.466	Vertical	-54.81	-13	-41.81	pass
2621.510	Vertical	-52.00	-13	-39.00	pass
9647.640	Vertical	-55.14	-13	-42.14	pass
11257.130	Vertical	-42.01	-13	-29.01	pass



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AWGN_High channel					
Frequency	Spurious Emission		Limit	Over limit	Result
	Polarization and Level				
MHz	polarization	dBm	dBm	dB	
191.766	Horizontal	-62.34	-13	-49.34	pass
688.872	Horizontal	-57.14	-13	-44.14	pass
943.786	Horizontal	-54.72	-13	-41.72	pass
2720.150	Horizontal	-47.91	-13	-34.91	pass
9561.370	Horizontal	-48.27	-13	-35.27	pass
11360.130	Horizontal	-42.91	-13	-29.91	pass
187.236	Vertical	-63.83	-13	-50.83	pass
696.492	Vertical	-58.56	-13	-45.56	pass
922.256	Vertical	-56.79	-13	-43.79	pass
2641.280	Vertical	-49.31	-13	-36.31	pass
9616.800	Vertical	-49.46	-13	-36.46	pass
11484.440	Vertical	-42.74	-13	-29.74	pass



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