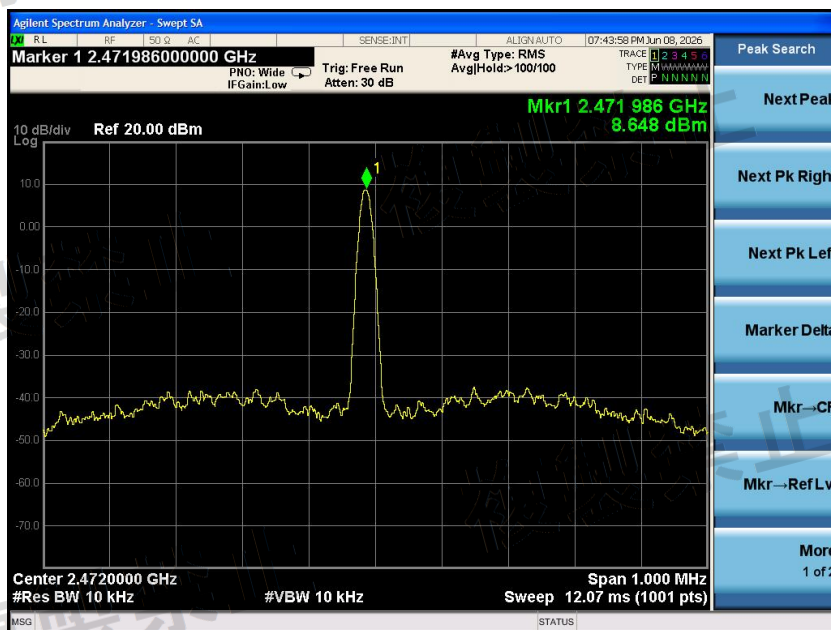


Channel: 2472MHz



6. OCCUPIED FREQUENCY BANDWIDTH

6.1 LIMIT

Item	Limits
Occupied Band Width(99%)	OFDM: 26MHz or less OFDM: 26MHz-40MHz DSSS: 26MHz or less
Spread-spectrum Bandwidth(90%)	N/A

6.2 TEST SETUP



6.3 MEASURING EQUIPMENT CONDITIONS

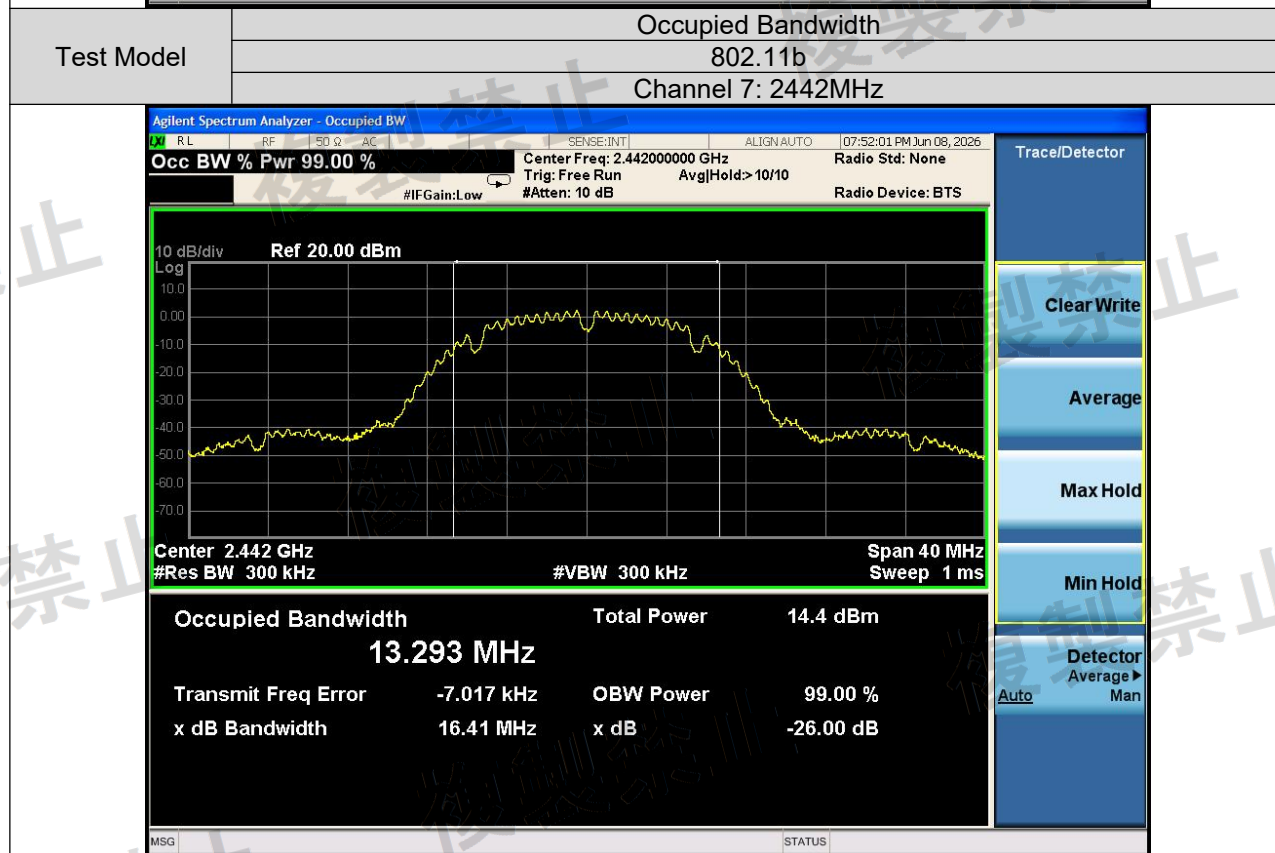
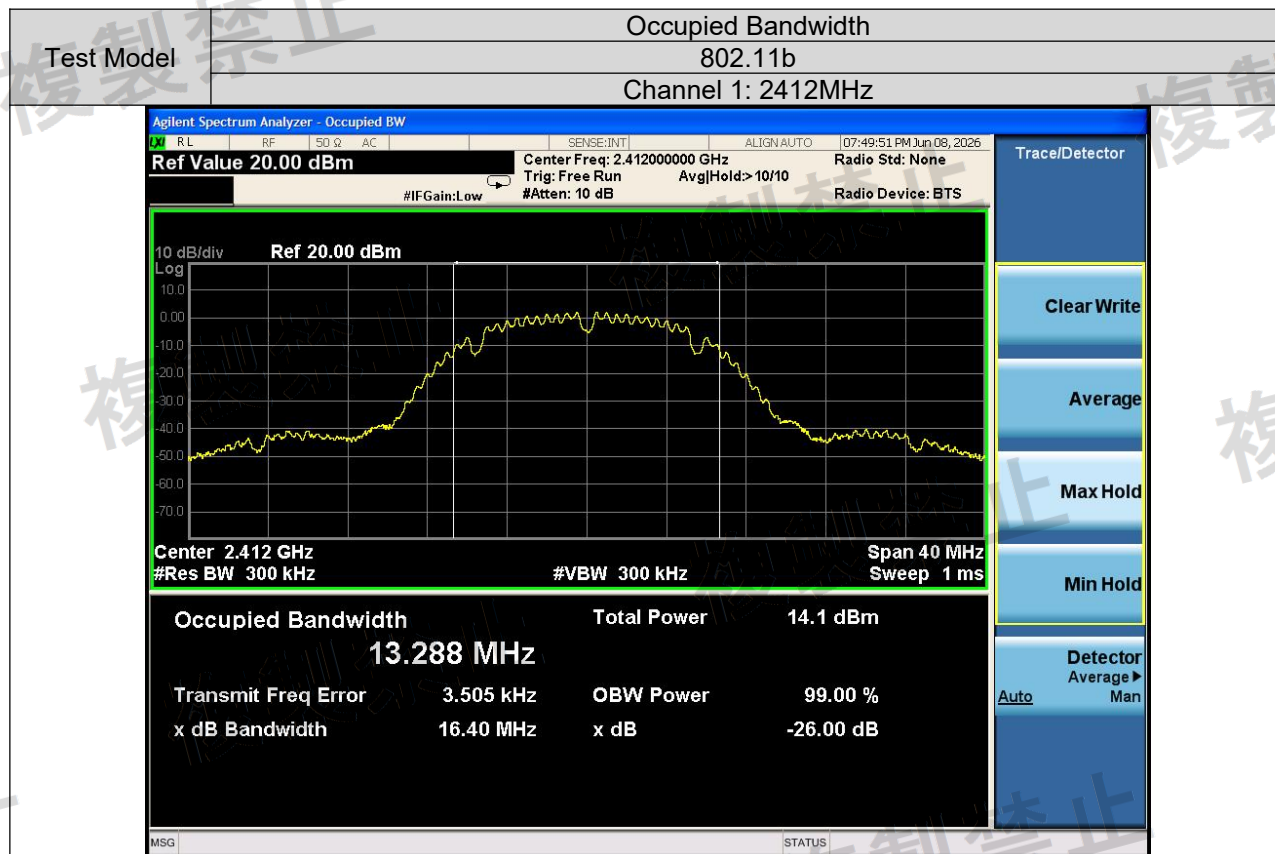
Spectrum Parameter	Setting
Attenuation	20dB
Span Frequency	40 MHz, 80MHz
Reference level	10 dBm
RB/VB	300KHz / 300KHz
Detector	Peak
Trace	Max hold
Sweep Time	Auto

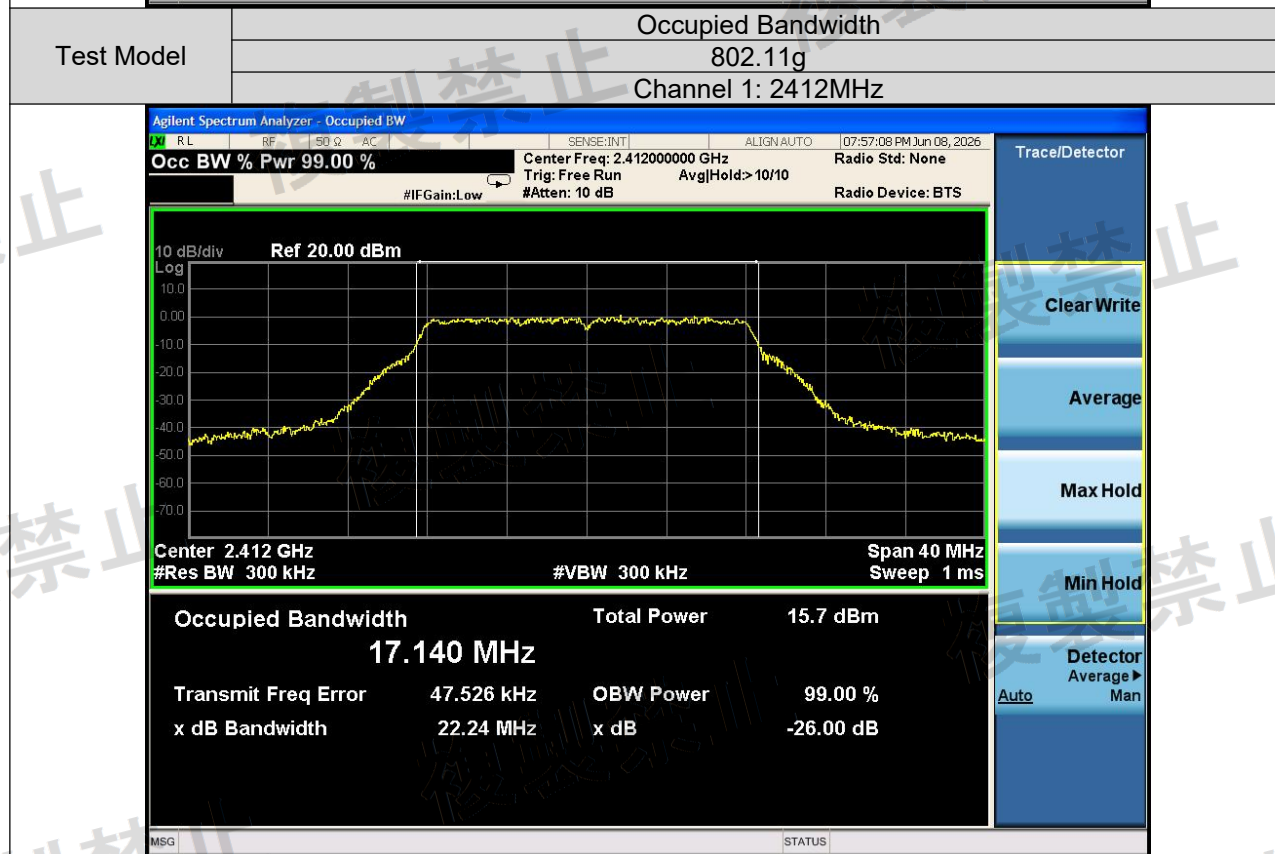
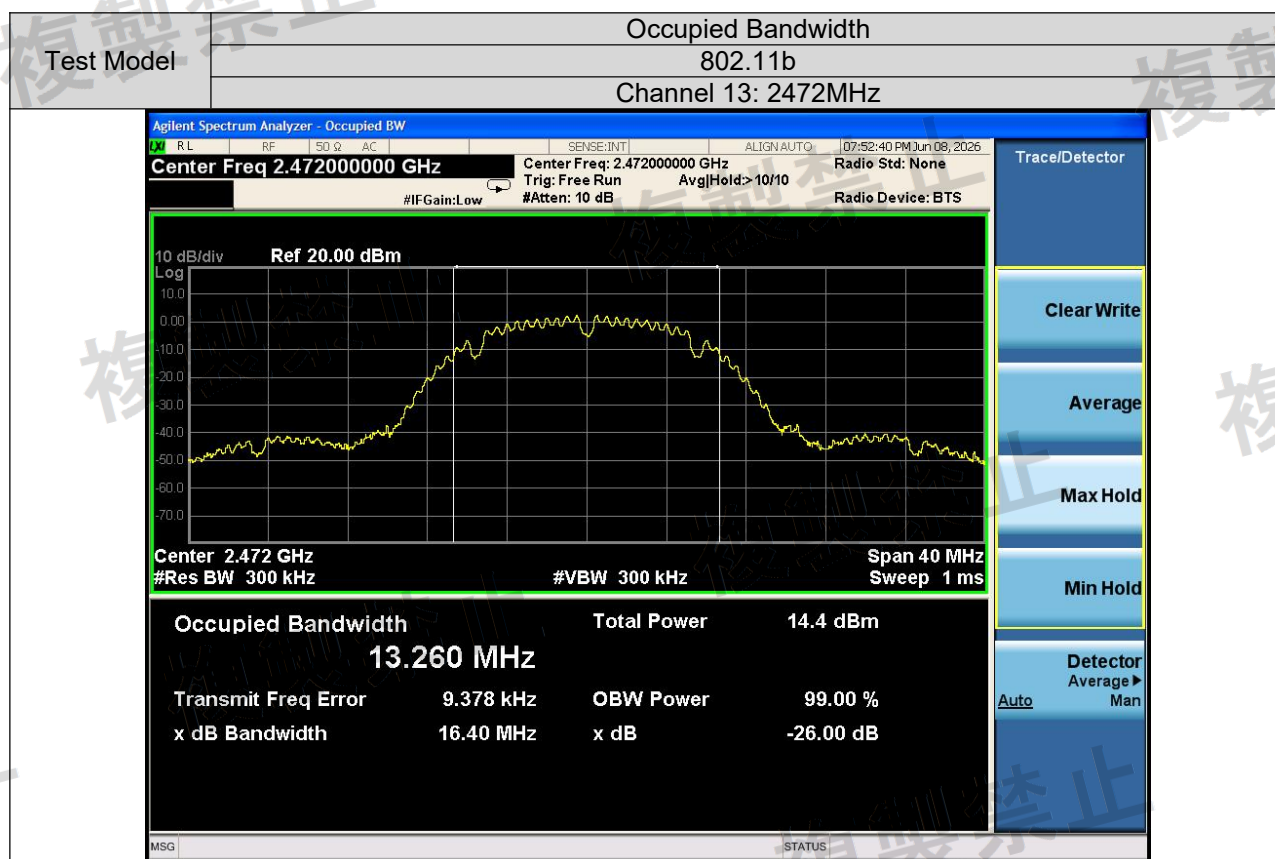
6.4 MEASURING OPERATION PROCEDURES

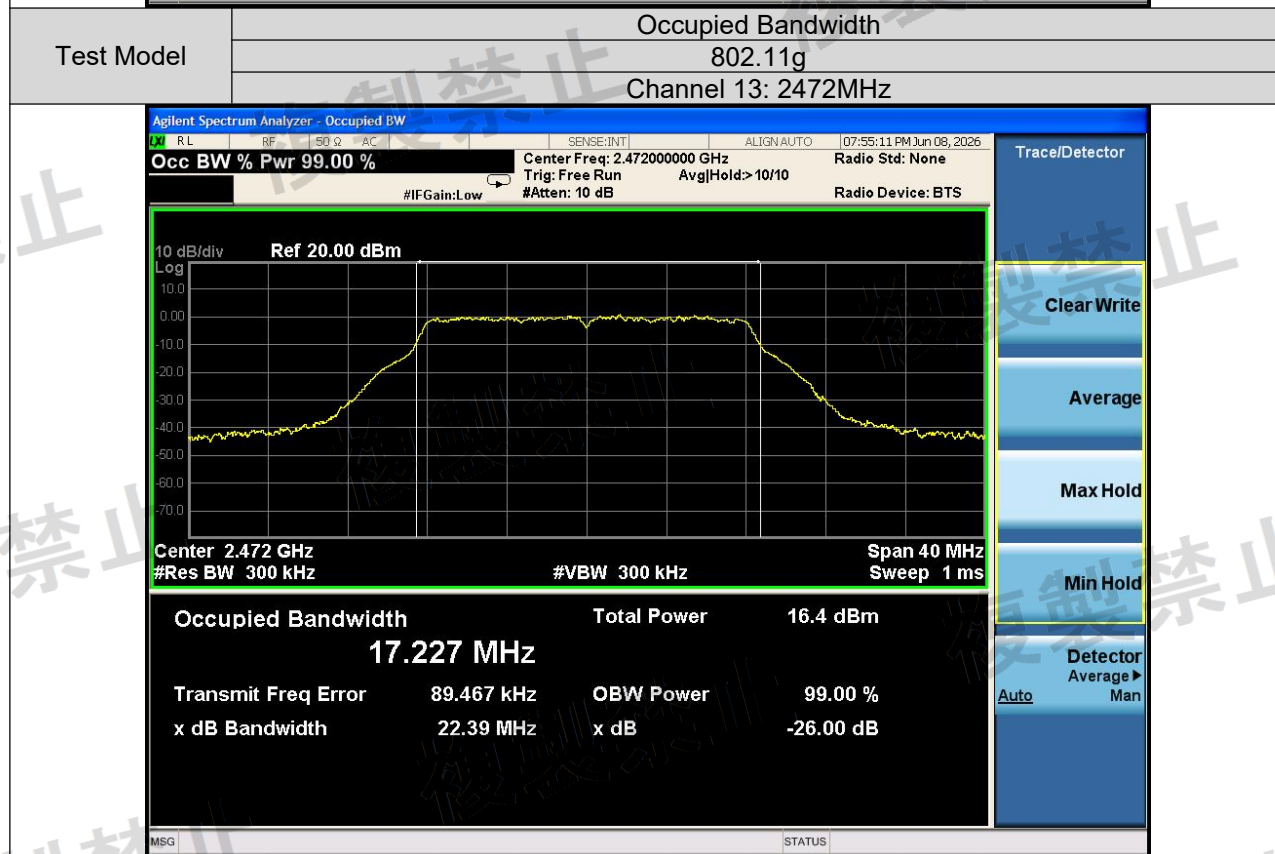
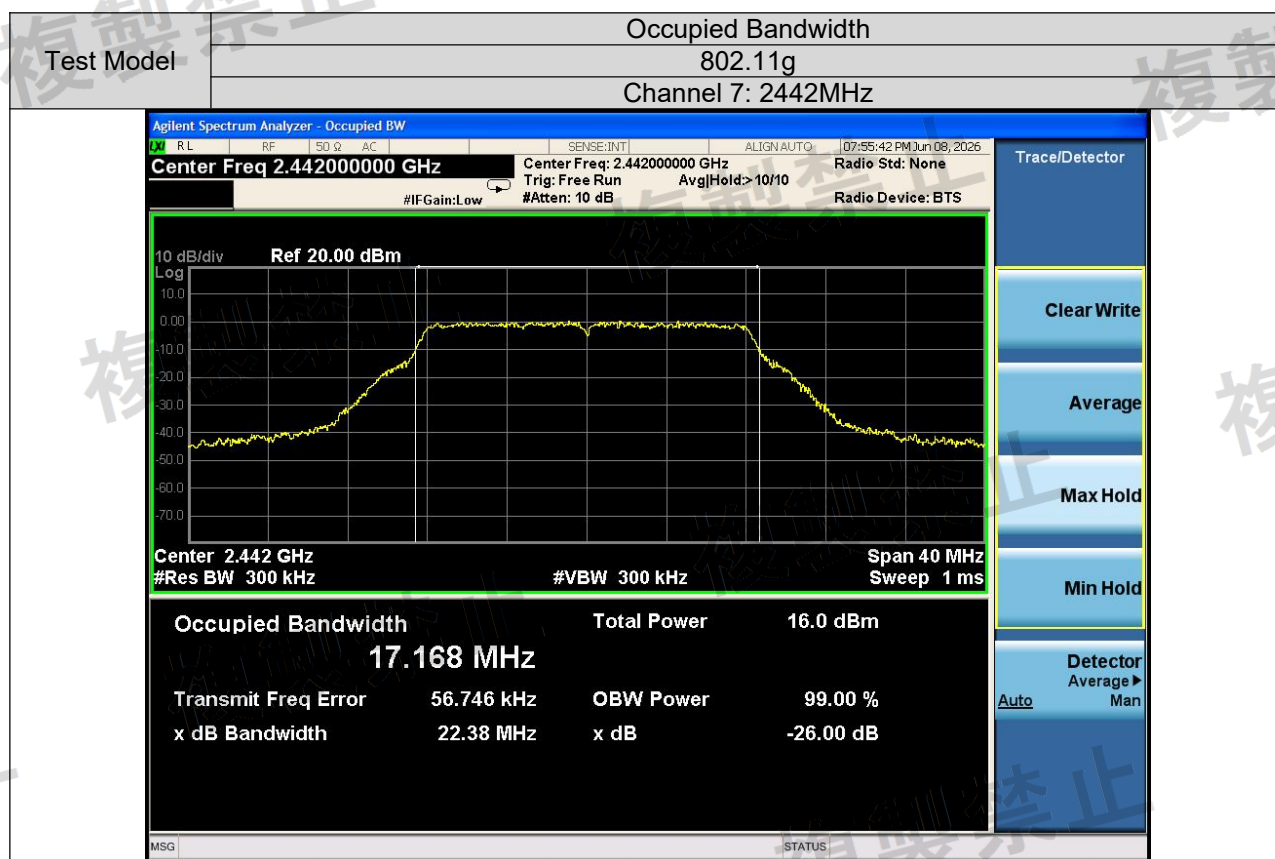
- Connect EUT antenna terminal to the spectrum analyzer with RF cable.
- Spectrum analyzer setting parameters in accordance with section 6.3
- Set the EUT transmit continuously with maximum output power.
- Allow trace to stabilize, use the 99% power bandwidth function to measure occupied bandwidth.
- Repeat step a to c, use the 90% power bandwidth function to measure spread bandwidth.
- Repeat above procedures until all channels were measured.
- Record the results in the test report.

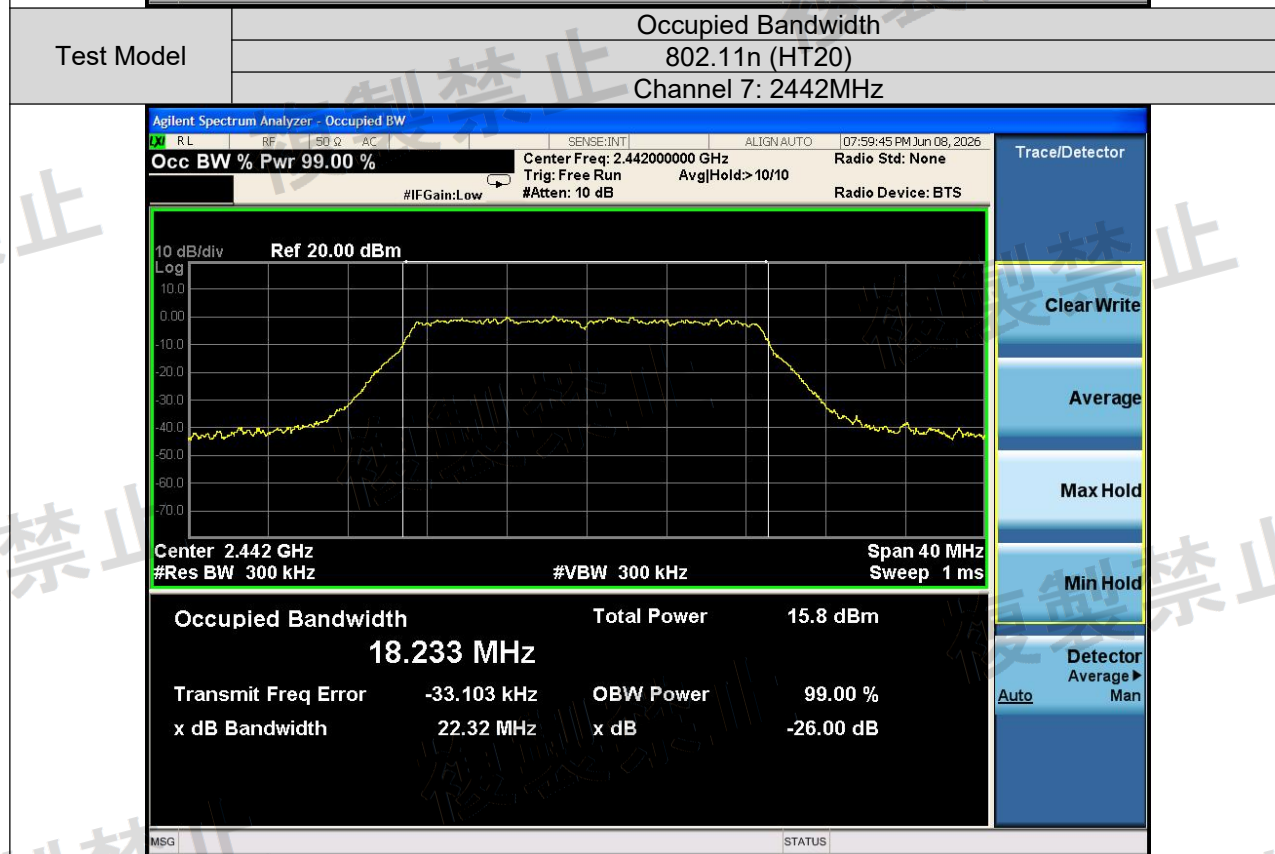
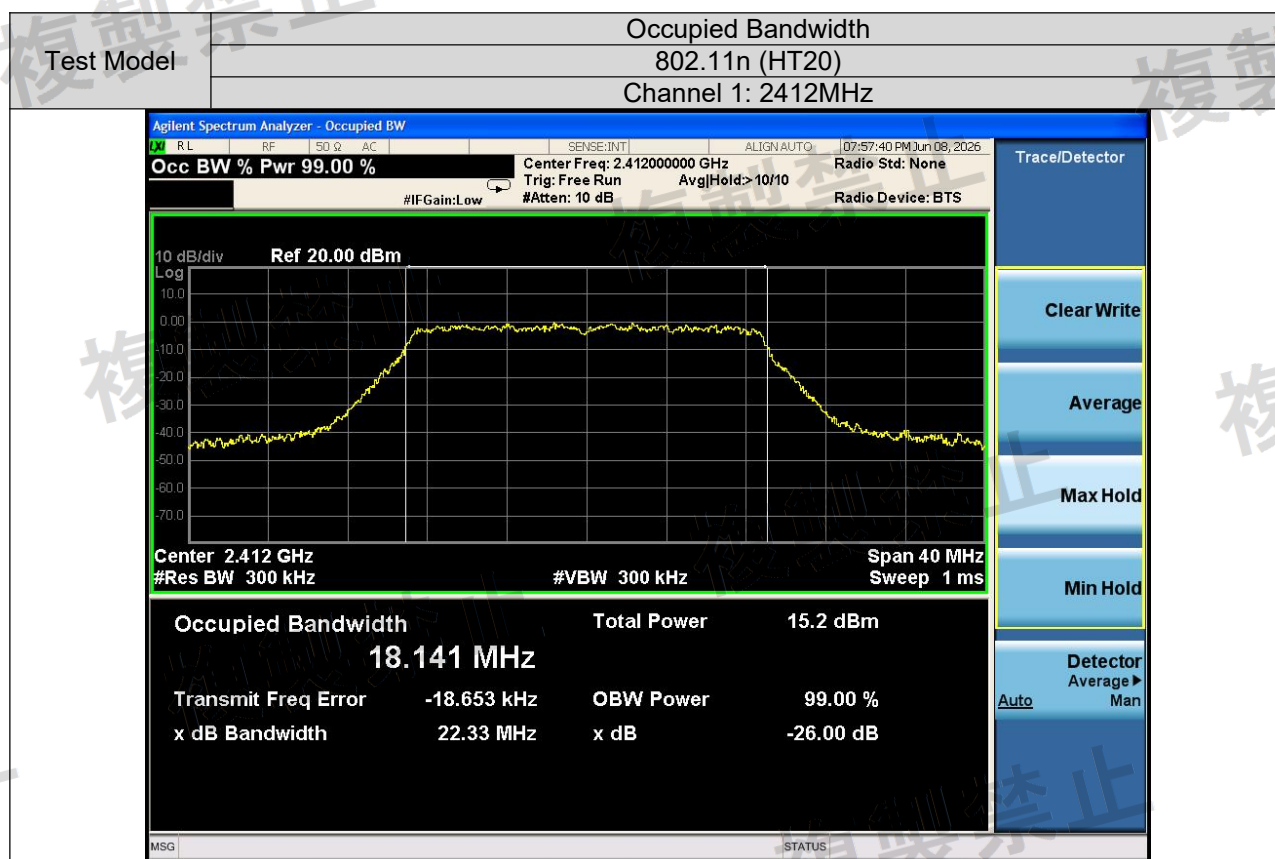
6.5 TEST RESULT

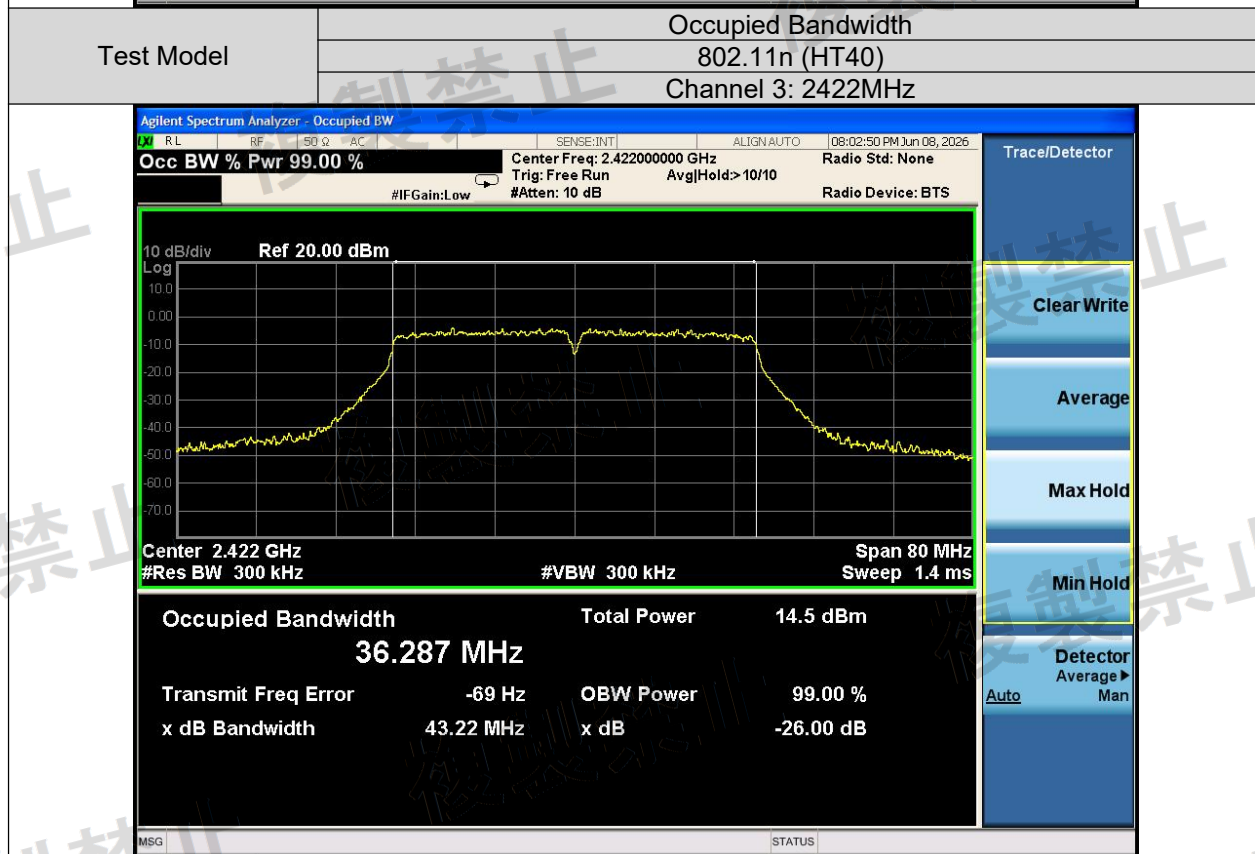
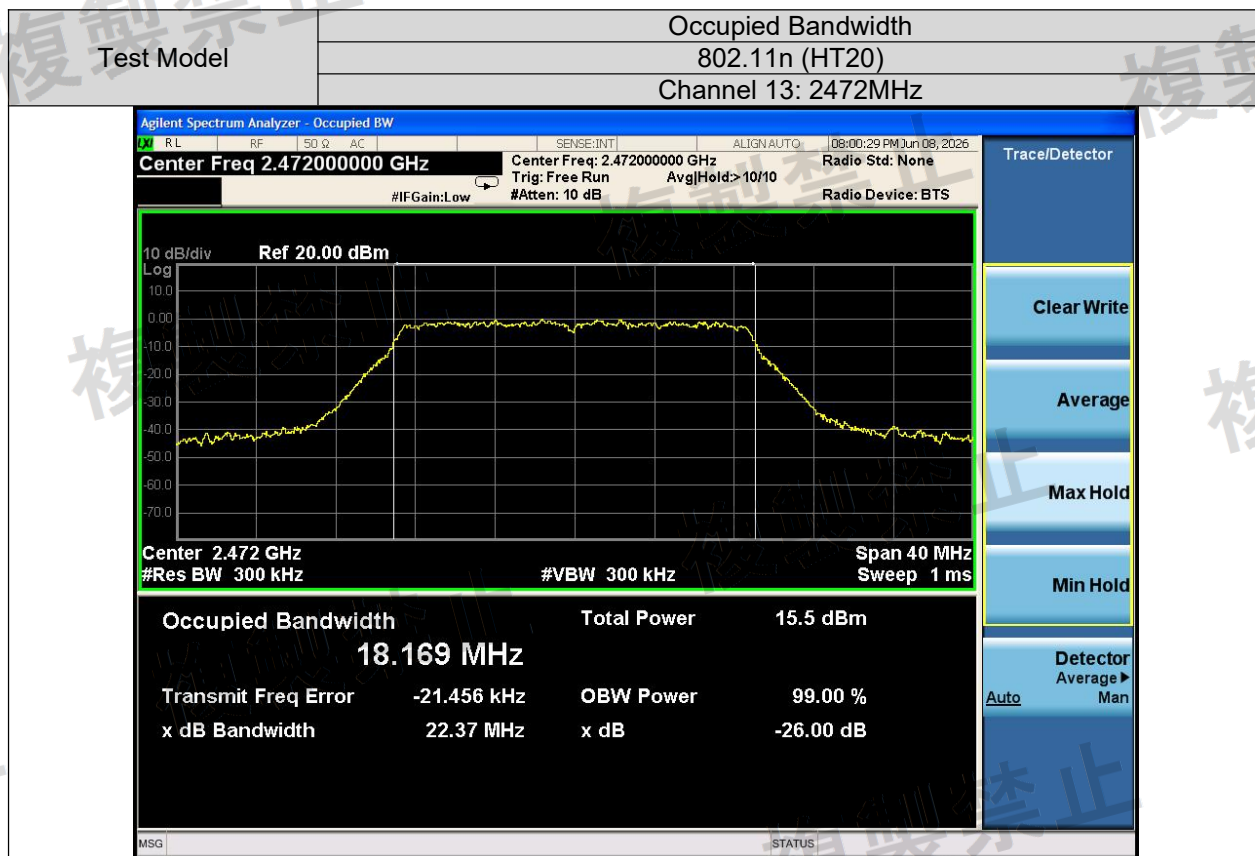
Test Mode	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Occupied Bandwidth Limit (MHz)	Result
802.11b	2412	13.288	≤ 26	Pass
	2442	13.293	≤ 26	Pass
	2472	13.260	≤ 26	Pass
802.11g	2412	17.140	≤ 26	Pass
	2442	17.168	≤ 26	Pass
	2472	17.227	≤ 26	Pass
802.11n (HT20)	2412	18.141	≤ 26	Pass
	2442	18.233	≤ 26	Pass
	2472	18.169	≤ 26	Pass
802.11n (HT40)	2422	36.287	26MHz-40MHz	Pass
	2442	36.234	26MHz-40MHz	Pass
	2462	36.321	26MHz-40MHz	Pass

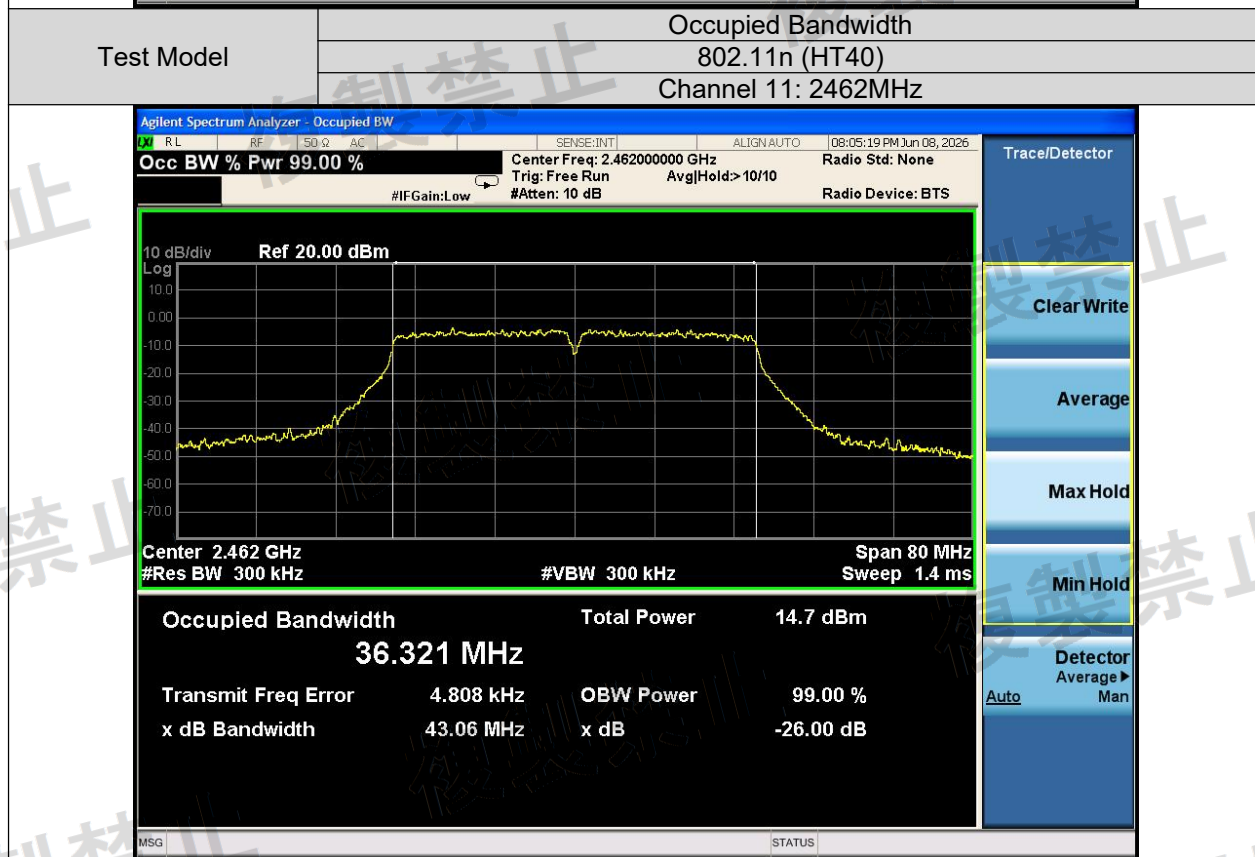
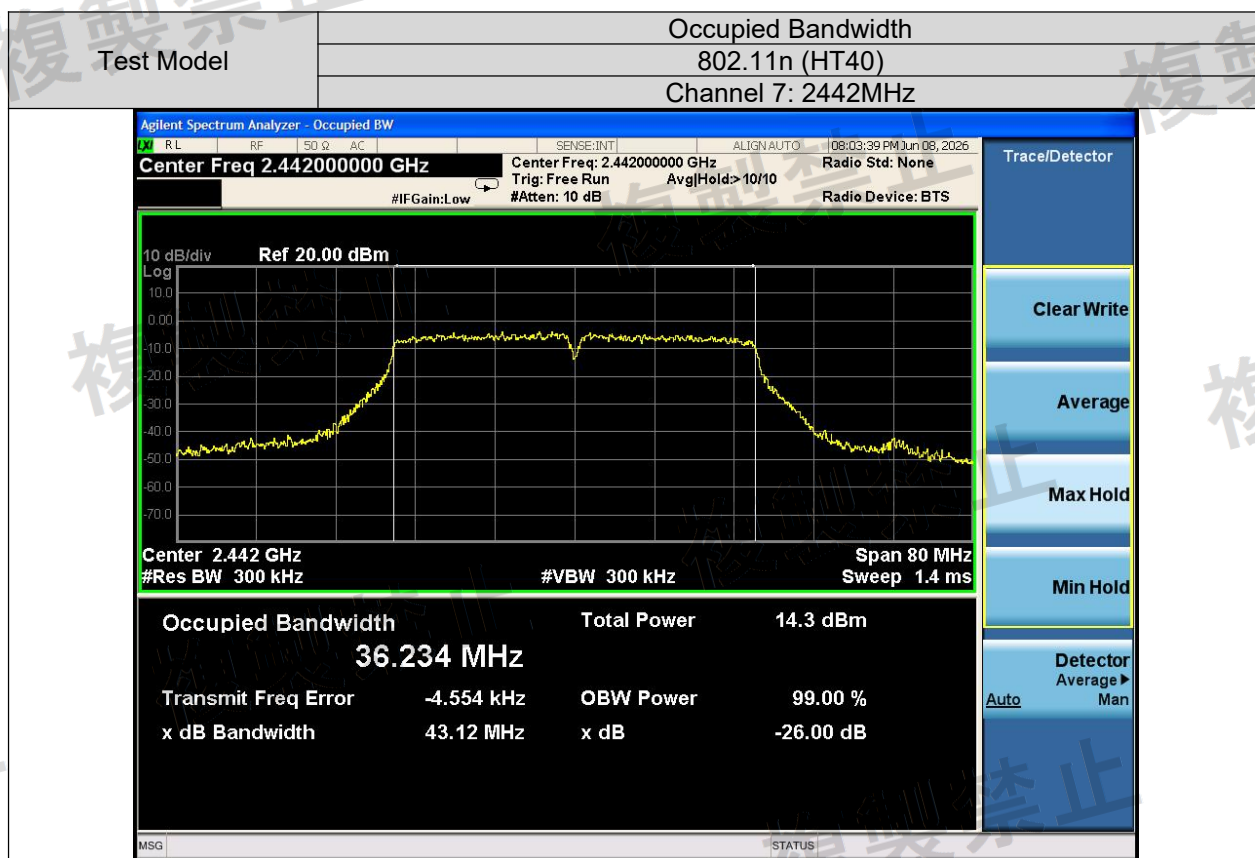












7. UNWANTED EMISSION INTENSITY MEASUREMENT

7.1 LIMIT

Item	Limits
Spurious Emission Intensity	30MHz~1000MHz: $\leq 0.25\mu\text{W}/\text{MHz}(-26\text{dBm}/\text{MHz})$
	1000MHz~2387MHz: $\leq 2.5\mu\text{W}/\text{MHz}(-26\text{dBm}/\text{MHz})$
	2387MHz~2400MHz: $\leq 25\mu\text{W}/\text{MHz}(-16\text{dBm}/\text{MHz})$
	2483.5MHz~2496.5MHz: $\leq 25\mu\text{W}/\text{MHz}(-16\text{dBm}/\text{MHz})$
	2496.5 MHz~12.5GHz: $\leq 2.5\mu\text{W}/\text{MHz}(-26\text{dBm}/\text{MHz})$

7.2 TEST SETUP



7.3 MEASURING EQUIPMENT CONDITIONS

Spectrum Parameter	Setting
Attenuation	Auto
RB/VB	1MHz / 1MHz (Below 1GHz)
	1MHz / 1 MHz (1 GHz or higher)
Detector	Peak
Trace	Max Hold
Sweep Time	Auto

7.4 MEASURING OPERATION PROCEDURES

- Connect EUT antenna terminal to the spectrum analyzer with RF cable.
- Spectrum analyzer setting parameters in accordance with section 7.3
- Set the EUT transmit continuously with maximum output power.
- Allow trace to stabilize, use the marker-to-peak function to set the marker to the peak of the emission.
- Repeat above procedures until all channels were measured.
- Record the results in the test report.

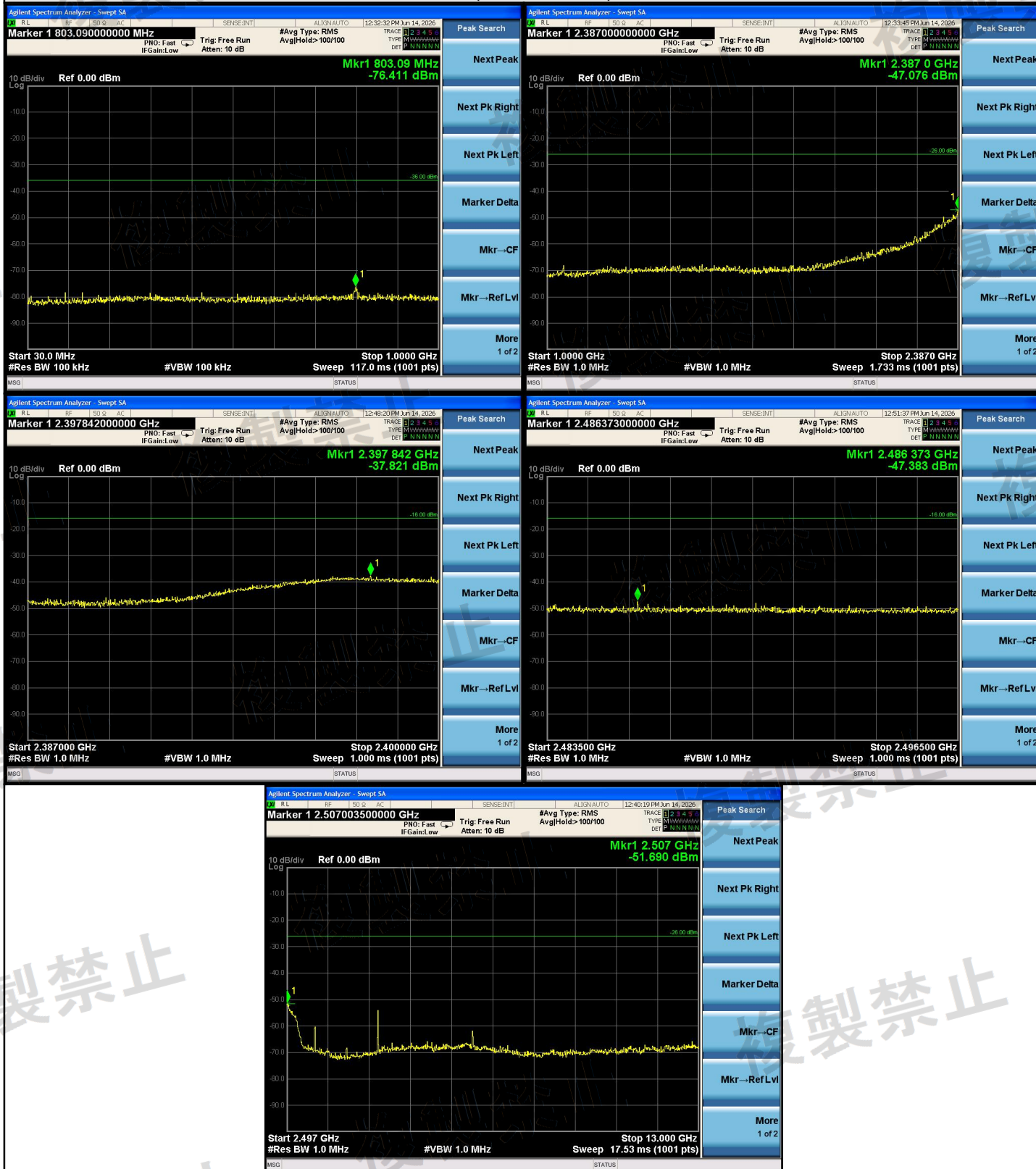
Test Data(worst case):

Test Model	Channel (MHz)	Band(MHz)	Frequency (MHz)	Max Value (dBm/MHz)	Max Value (uW/MHz)	Limit (uW/MHz)	Result
11b	2412	30-1000	803.09	-76.411	0.000023	0.25	PASS
		1000-2387	2387	-47.076	0.019606	2.5	PASS
		2387-2400	2397.842	-37.821	0.165158	25	PASS
		2483.5-2496.5	2486.373	-47.383	0.018268	25	PASS
		2496.5-13000	2507	-51.690	0.006776	2.5	PASS
	2442	30-1000	815.7	-76.440	0.000023	0.25	PASS
		1000-2387	2387	-50.684	0.008543	2.5	PASS
		2387-2400	2397.621	-48.053	0.015657	25	PASS
		2483.5-2496.5	2491.976	-48.216	0.015080	25	PASS
		2496.5-13000	2507	-50.315	0.009300	2.5	PASS
	2472	30-1000	826.37	-76.342	0.000023	0.25	PASS
		1000-2387	2378.7	-51.874	0.006495	2.5	PASS
		2387-2400	2398.44	-48.851	0.013029	25	PASS
		2483.5-2496.5	2483.812	-39.256	0.118686	25	PASS
		2496.5-13000	2497	-46.870	0.020559	2.5	PASS
11g	2412	30-1000	808.91	-76.590	0.000022	0.25	PASS
		1000-2387	2382.8	-43.947	0.040300	2.5	PASS
		2387-2400	2400	-22.948	5.072242	25	PASS
		2483.5-2496.5	2485.84	-48.351	0.014618	25	PASS
		2496.5-13000	2528	-51.017	0.007912	2.5	PASS
	2442	30-1000	812.79	-77.528	0.000018	0.25	PASS
		1000-2387	2380.1	-49.344	0.011631	2.5	PASS
		2387-2400	2399.779	-46.499	0.022392	25	PASS
		2483.5-2496.5	2484.072	-47.197	0.019068	25	PASS
		2496.5-13000	2497	-49.667	0.010797	2.5	PASS
	2472	30-1000	817.64	-77.065	0.000020	0.25	PASS
		1000-2387	2387	-50.583	0.008744	2.5	PASS
		2387-2400	2397.608	-49.018	0.012537	25	PASS
		2483.5-2496.5	2484.189	-39.579	0.110179	25	PASS
		2496.5-13000	2497	-46.864	0.020587	2.5	PASS
11n (HT20)	2412	30-1000	816.67	-78.523	0.000014	0.25	PASS
		1000-2387	2387	-43.938	0.040383	2.5	PASS
		2387-2400	2399.987	-25.566	2.775876	25	PASS
		2483.5-2496.5	2486.646	-48.761	0.013301	25	PASS
		2496.5-13000	2528	-51.584	0.006944	2.5	PASS
	2442	30-1000	159.98	-77.735	0.000017	0.25	PASS
		1000-2387	2381.5	-50.549	0.008813	2.5	PASS
		2387-2400	2399.792	-46.166	0.024177	25	PASS
		2483.5-2496.5	2483.656	-46.658	0.021587	25	PASS
		2496.5-13000	2507	-50.269	0.009399	2.5	PASS
	2472	30-1000	159.98	-77.805	0.000017	0.25	PASS
		1000-2387	2374.5	-52.885	0.005146	2.5	PASS
		2387-2400	2399.519	-51.221	0.007549	25	PASS
		2483.5-2496.5	2483.526	-19.097	12.311189	25	PASS
		2496.5-13000	2497	-42.600	0.054954	2.5	PASS
11n (HT40)	2422	30-1000	30	-65.698	0.000269	0.25	PASS
		1000-2387	2387	-42.008	0.062980	2.5	PASS
		2387-2400	2400	-23.528	4.438130	25	PASS

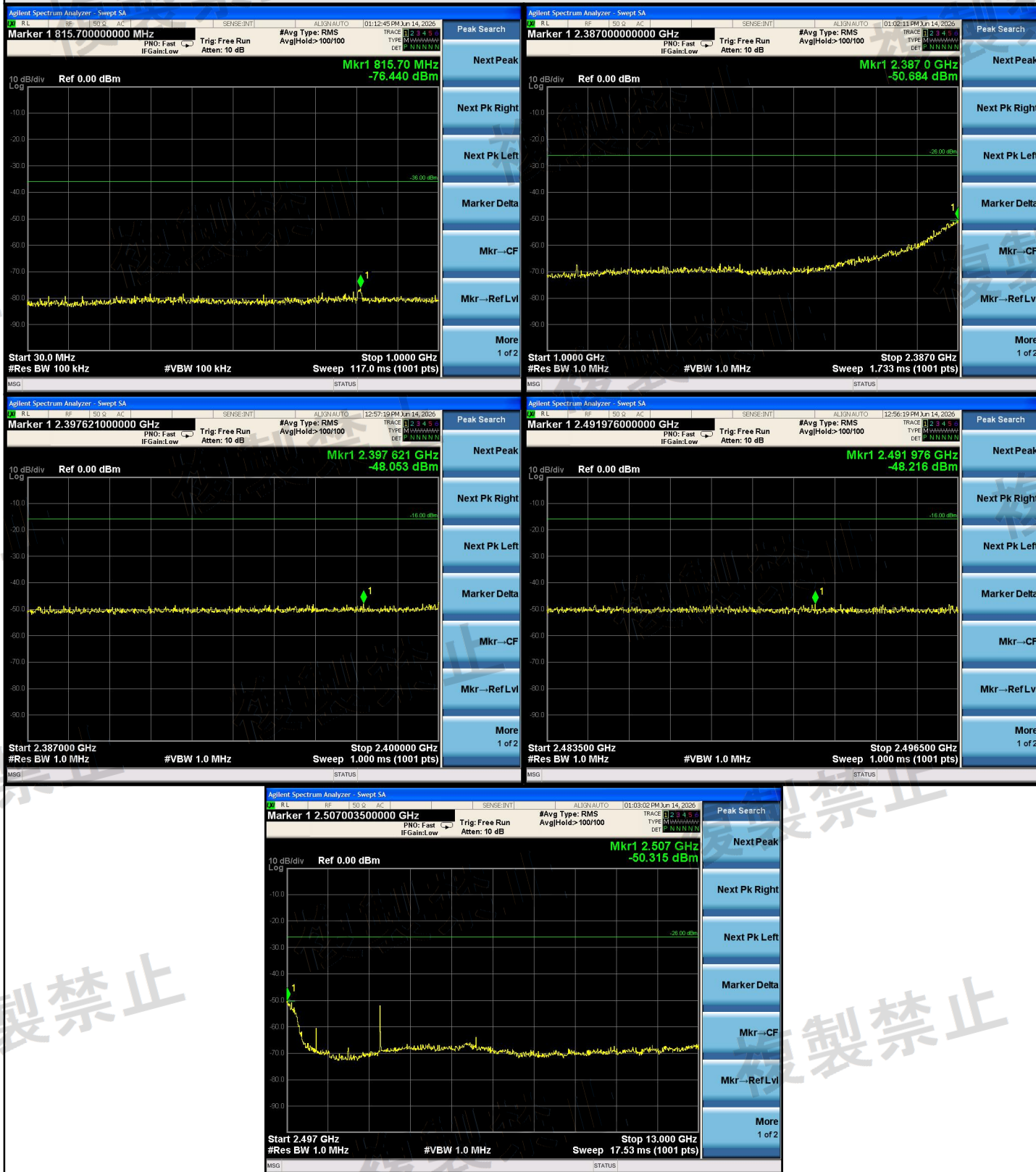
2442	2483.5-2496.5	2483.734	-49.475	0.011285	25	PASS
	2496.5-13000	2560	-53.925	0.004050	2.5	PASS
	30-1000	30	-67.445	0.000180	0.25	PASS
	1000-2387	2384.2	-42.068	0.062116	2.5	PASS
	2387-2400	2399.961	-20.938	8.057494	25	PASS
	2483.5-2496.5	2485.801	-41.799	0.066085	25	PASS
	2496.5-13000	5185	-49.644	0.010854	2.5	PASS
	30-1000	30	-64.185	0.000382	0.25	PASS
	1000-2387	2384.2	-52.292	0.005899	2.5	PASS
	2387-2400	2398.063	-47.203	0.019041	25	PASS
	2483.5-2496.5	2483.513	-19.472	11.292757	25	PASS
	2496.5-13000	2497	-41.356	0.073181	2.5	PASS

7.5 TEST RESULT

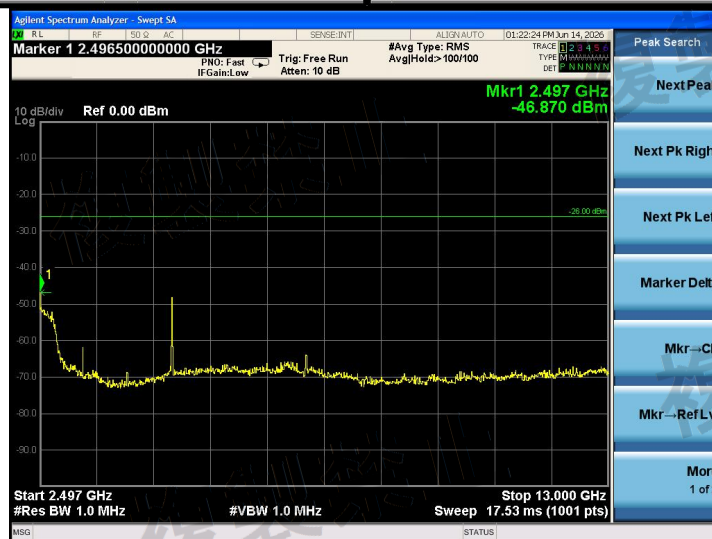
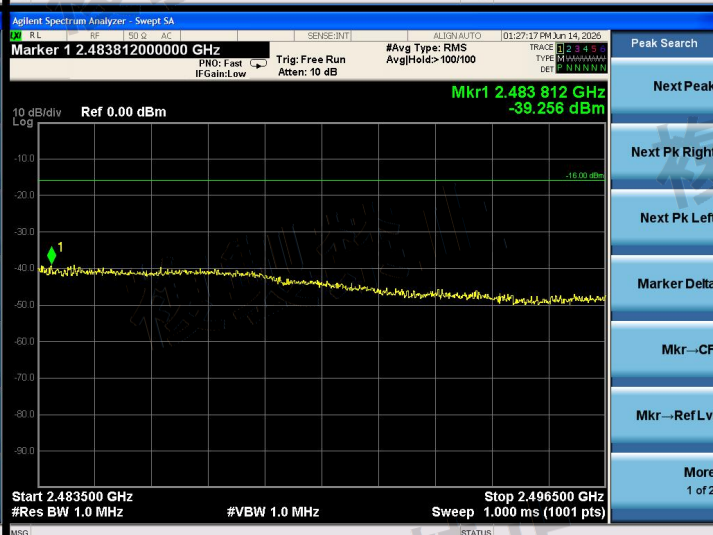
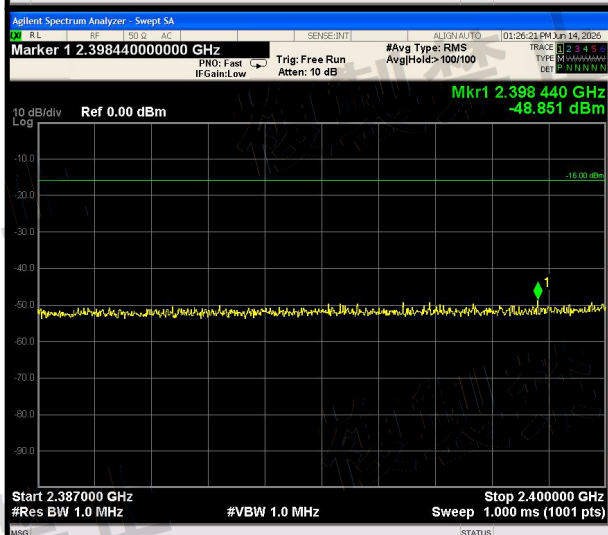
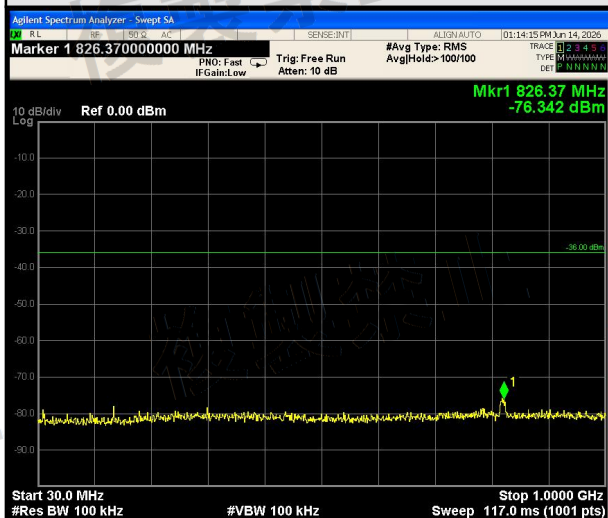
11b (Channel:2412)



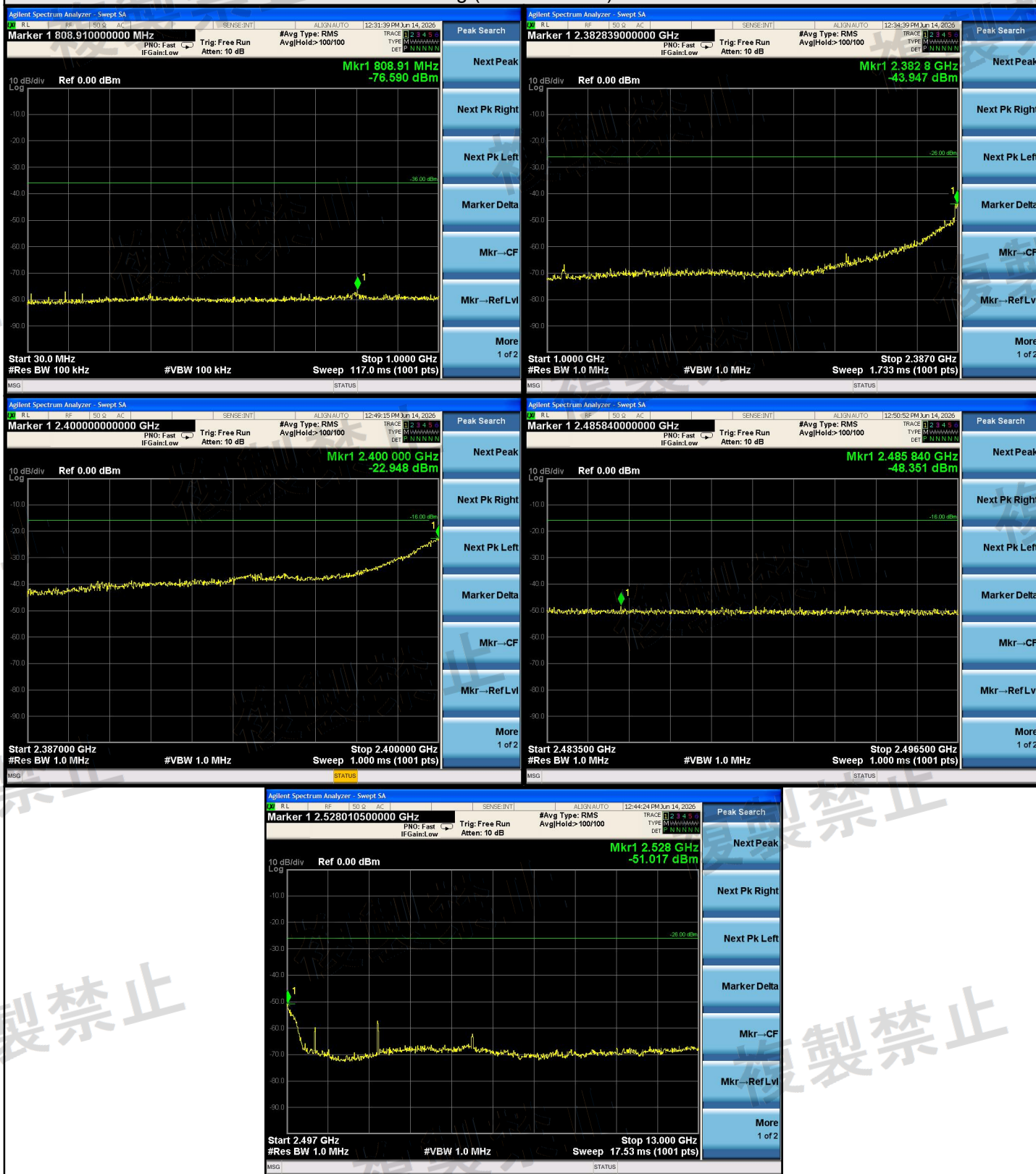
11b (Channel:2442)



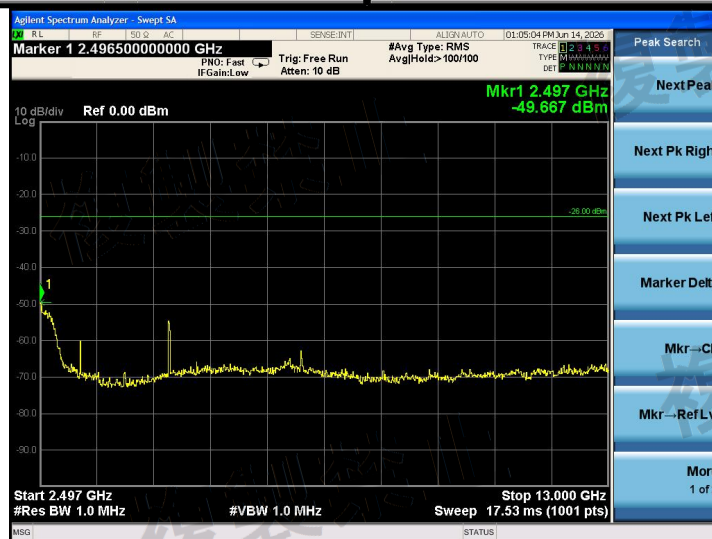
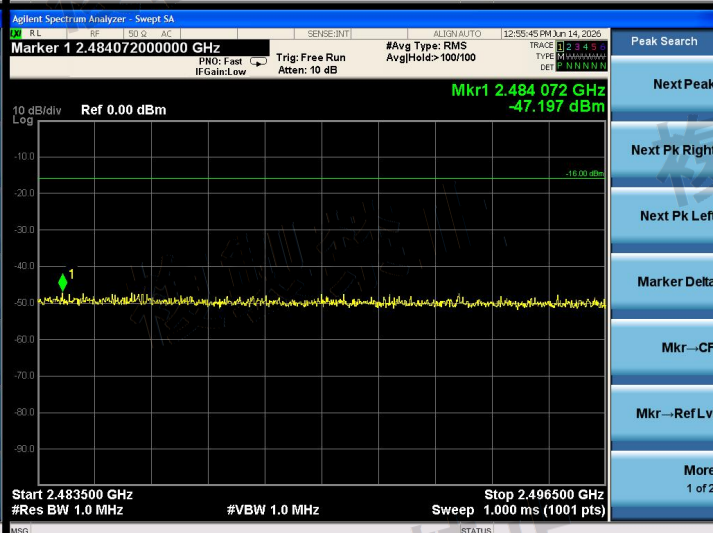
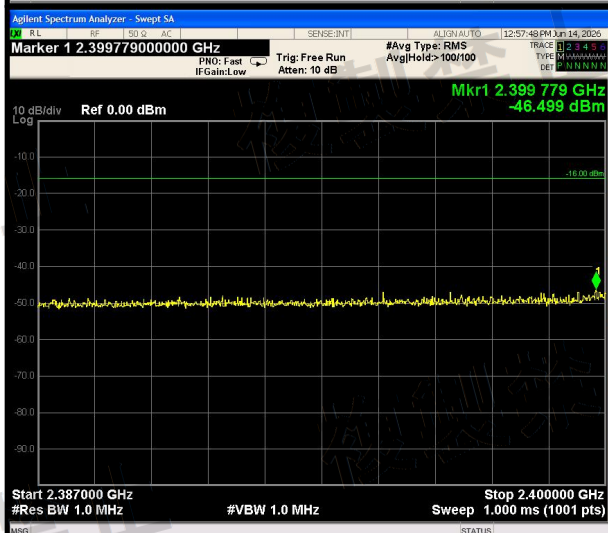
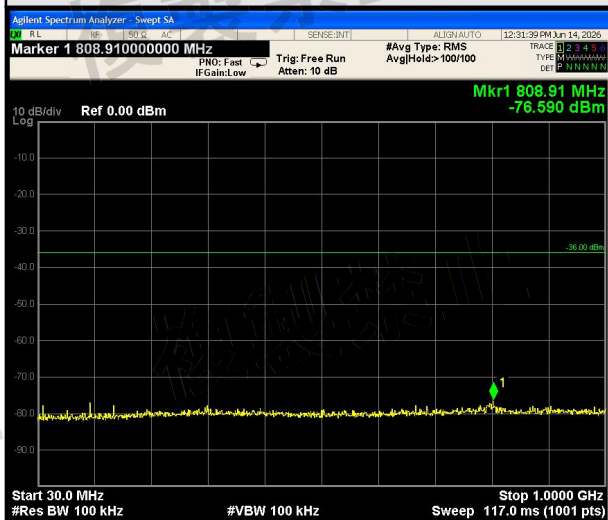
11b (Channel:2472)



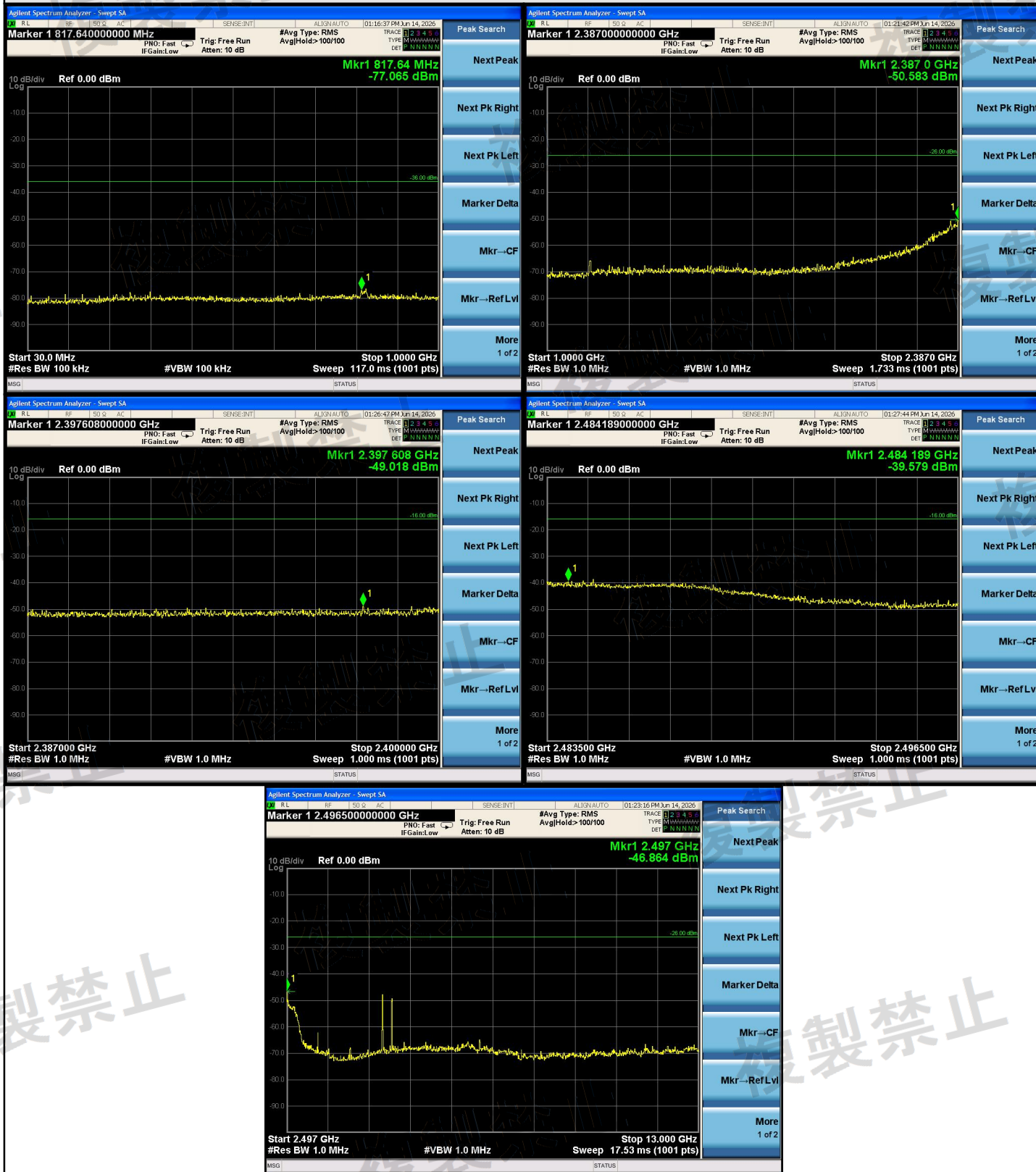
11g (Channel:2412)



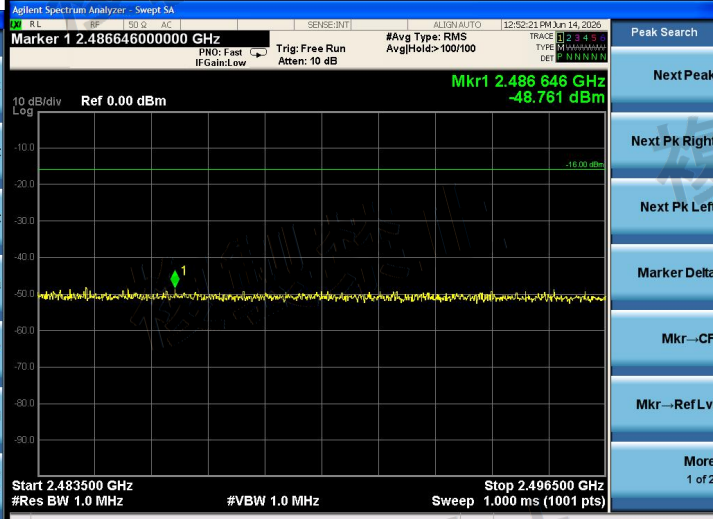
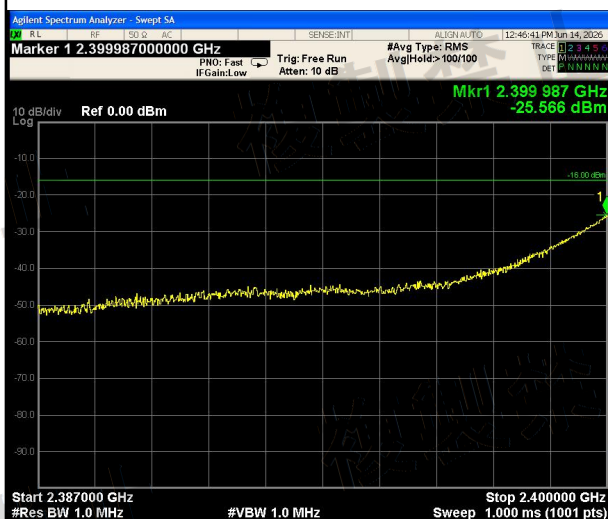
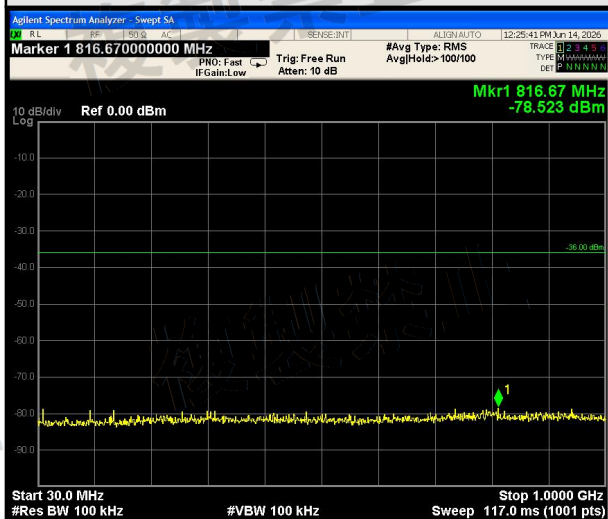
11g (Channel:2442)



11g (Channel:2472)



11n (HT20) (Channel:2412)



11n (HT20)(Channel:2442)

