

Test result and instruments about Type certificate

WiFi 2.4G 11b

1. General

Model name	UCA04A	Date	22 December 2020
Serial number	-	Place	SGS Hong Kong Ltd.
Class of emissions, Assigned frequency and Antenna power	G1D 2412-2472MHz(5MHz step 13ch) 0.01W/MHz	Remarks	WiFi 11b 1Mbps

2. Measuring Instruments

Equipment type	Model number	Serial number	Manufacturer	Calibrated Date	Calibration Authority	Remarks
Signal Analyzer	FSV40	101418	ROHDE & SCHWARZ	2020/8/31	CEPREI (c)	

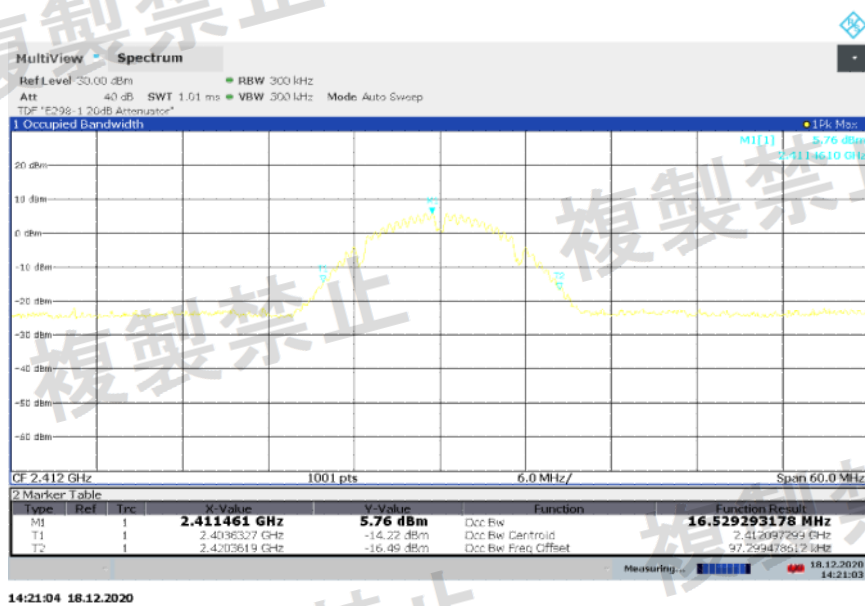
3. Test Result

1. Test Result															
Condition	Test Items *3		Unit	Normal Voltage + 10% (5.5VDC)			Normal Voltage (5VDC)			Normal Voltage - 10% (4.5VDC)			Judgment	Limit	Remarks
				2412	2442	2472	2412	2442	2472	2412	2442	2472			
Normal (23.1° C, 52.2%)	Frequency		MHz	2411.95400	2441.90300	2471.89900	2411.88600	2441.88650	2471.90300	2411.93200	2441.99900	2471.89200	Pass		
			ppm	-19.07131	-39.72154	-40.85761	-47.26368	-46.47830	-39.23948	-28.19237	-0.40950	-43.68932		50ppm	
	Occupied Bandwidth		MHz	16.65840	16.22680	16.32990	16.52929	16.29819	16.30120	16.44655	16.53581	16.53882	Pass	26MHz	
	Spread Bandwidth		MHz	9.08950	9.05040	9.06250	9.01144	9.07236	9.08445	9.22700	9.18900	9.00100	Pass	500kHz	
	Spurious	30MHz-2387MHz	dBm	-42.70420	-43.01420	-42.94420	-44.03000	-44.34000	-44.27000	-43.20100	-43.51100	-43.44100	Pass	-26dBm	
			MHz	2365.26640	2367.66640	2362.96640	2364.60000	2367.00000	2362.30000	2365.25500	2367.65500	2362.95500			
		2387MHz-2400MHz	dBm	-22.81420	-42.79420	-43.05420	-24.14000	-44.12000	-44.38000	-23.31100	-43.29100	-43.55100	Pass	-16dBm	
			MHz	2399.63440	2398.33540	2396.02340	2399.96800	2397.66900	2395.35700	2400.62300	2398.32400	2396.01200			
		2483.5MHz-2496.5MHz	dBm	-45.38420	-43.27930	-23.35990	-46.71000	-44.26000	-24.52000	-45.88100	-42.77700	-23.13500	Pass	-16dBm	
			MHz	2496.40470	2495.49570	2483.81000	2496.29900	2495.39000	2483.50600	2496.41800	2495.60500	2483.82300			
		2496.5MHz-12.5GHz	dBm	-41.37430	-43.47430	-42.57430	-41.48000	-43.58000	-42.68000	-41.26500	-43.36500	-42.46500	Pass	-26dBm	
			MHz	4820.48070	4942.36010	4880.82580	4819.50000	4941.20000	4879.50000	4820.98300	4942.58500	4880.32900			
	Antenna Power		W/MHz	0.00920	0.00873	0.00916	0.00957	0.00904	0.00955	0.00820	0.00942	0.00883	Pass	0.01W/MHz	
			%	-7.95505	-12.70287	-8.37796	-4.28060	-9.63510	-4.50080	-17.96490	-5.81105	-11.69210		+20 ~ -80%	
	Secondary Radiated Emissions	30MHz-1GHz	dBm	944.78000	923.85000	915.08000	944.67900	923.74000	914.97000	944.89400	923.95500	915.18500	Pass	-54dBm	
			MHz	-58.53000	-58.05800	-57.80300	-60.00000	-59.20000	-61.32000	-59.17900	-55.89500	-58.16900			
		1GHz-12.5GHz	dBm	1567.32000	2341.40000	4464.41000	1567.21900	2341.29400	4464.30000	1567.43400	2341.50900	4464.51500	Pass	-47dBm	
			MHz	-57.50000	-57.87800	-58.41000	-58.97000	-59.02000	-58.41000	-58.14900	-55.71500	-58.41000			
	Interference Prevention Function				Pass			Pass			Pass			Pass	

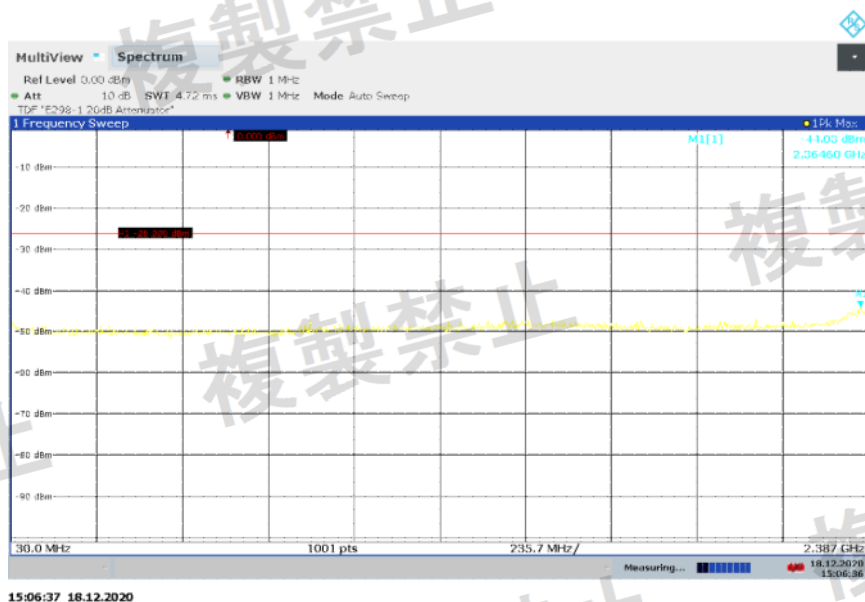
*1 Please describe the relevant clause in the remarks column. (Either of (a) ~ (d) of 2 paragraph 4 of Article 24 of the Radio Law)

11b

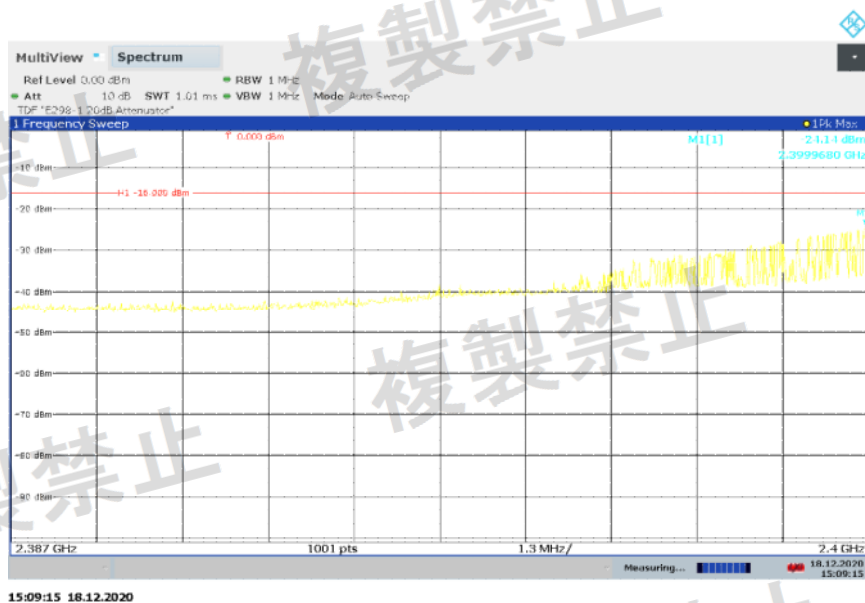
2412MHz



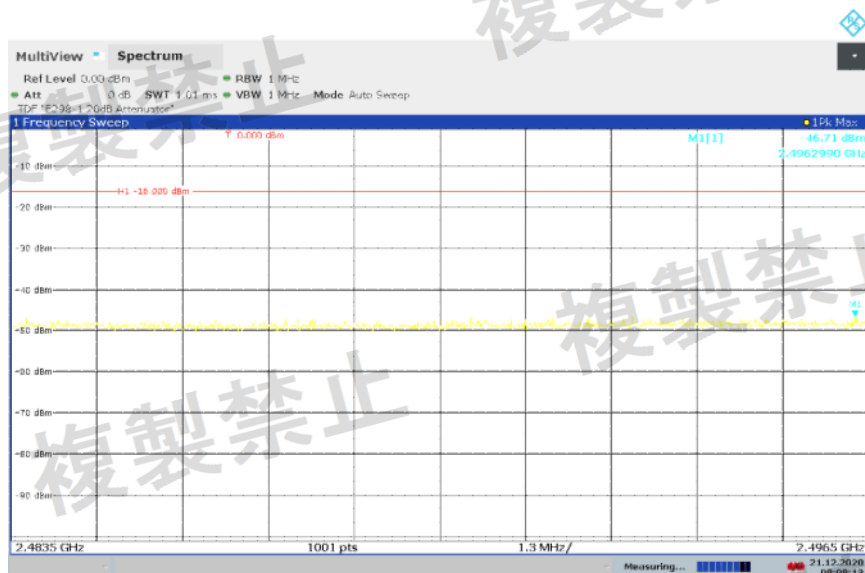
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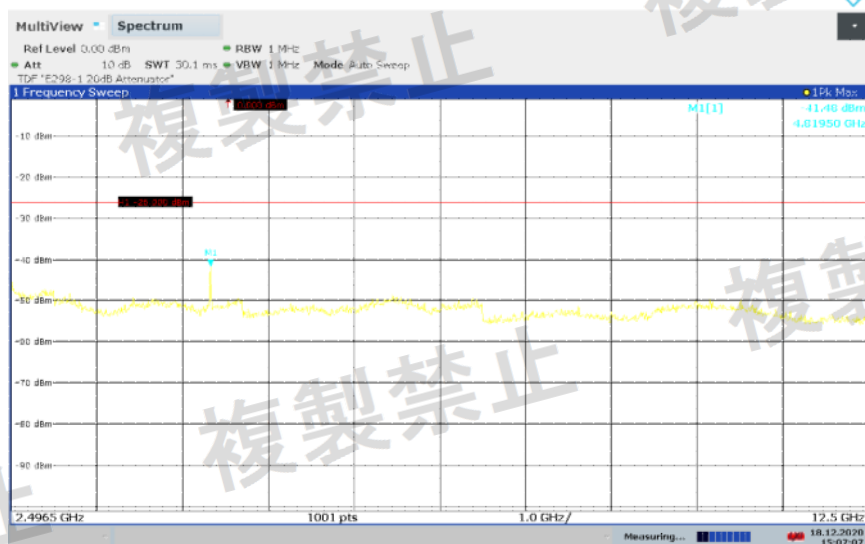
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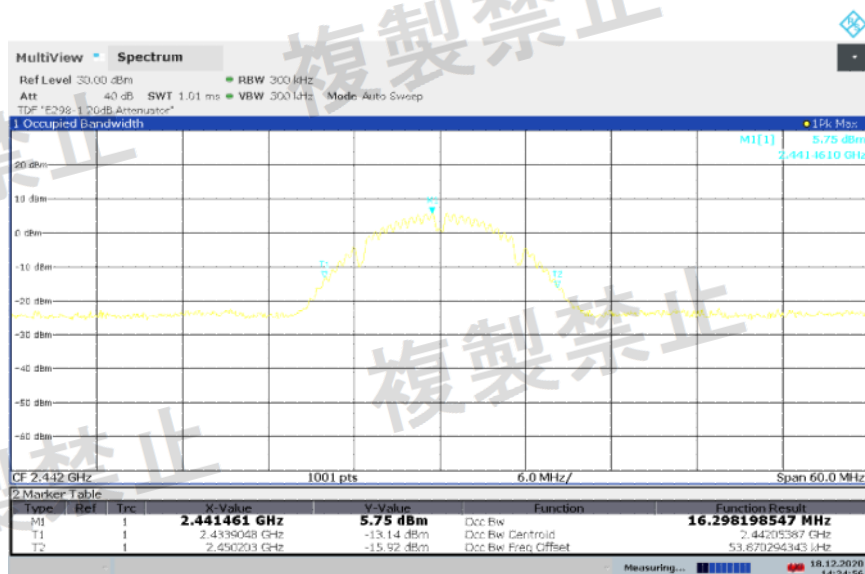


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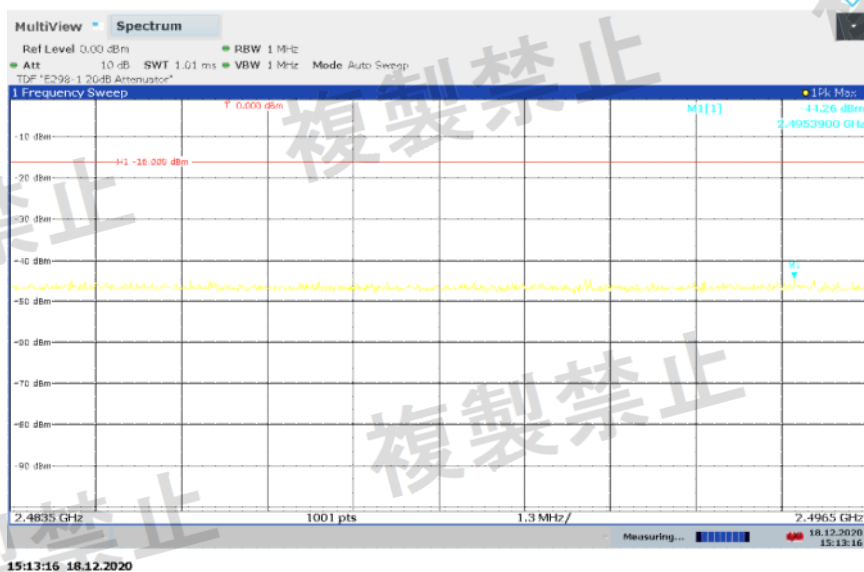
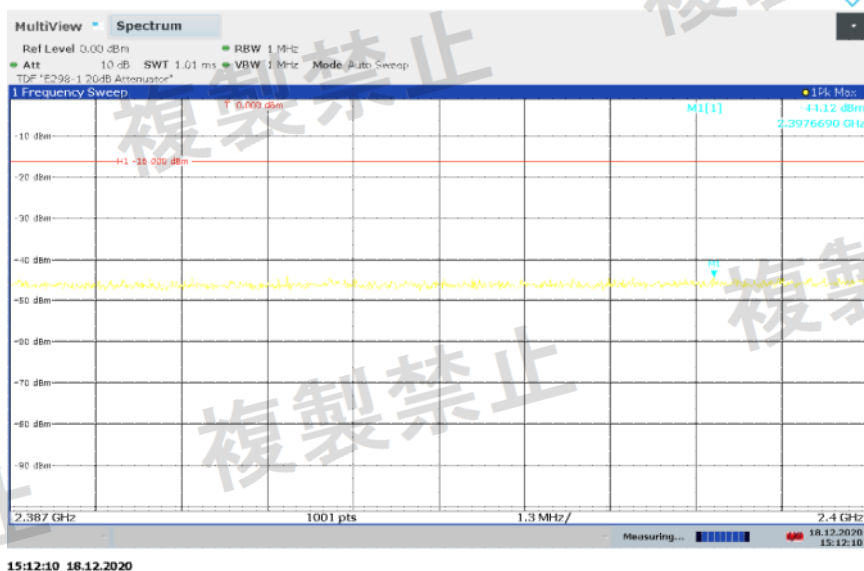
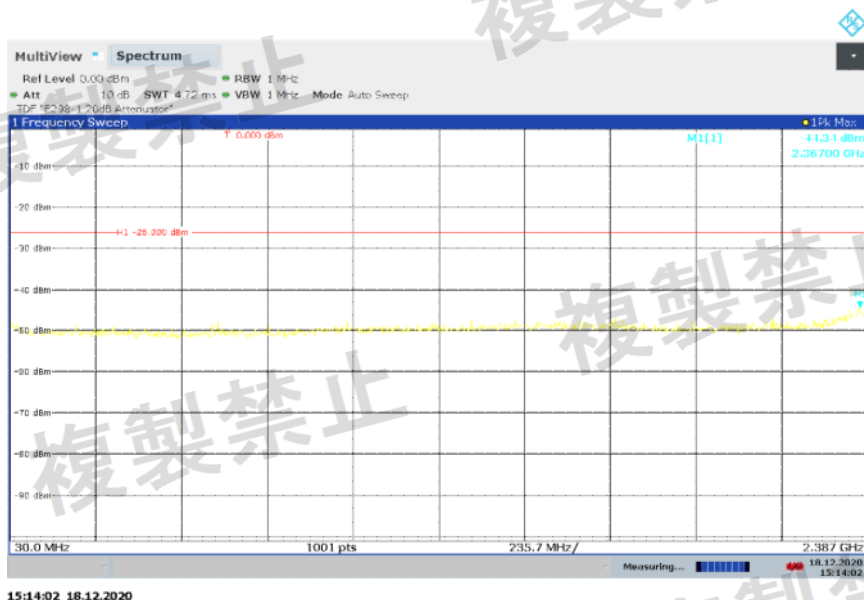


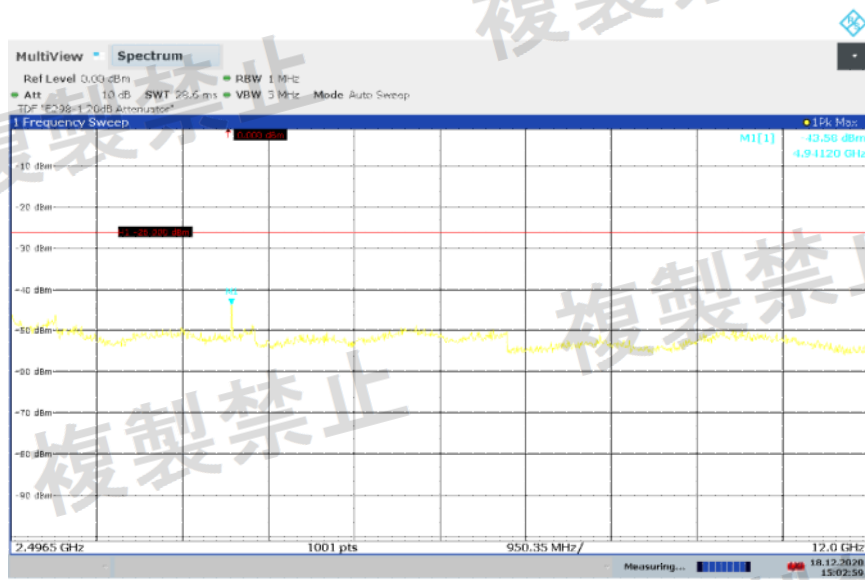
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2442MHz



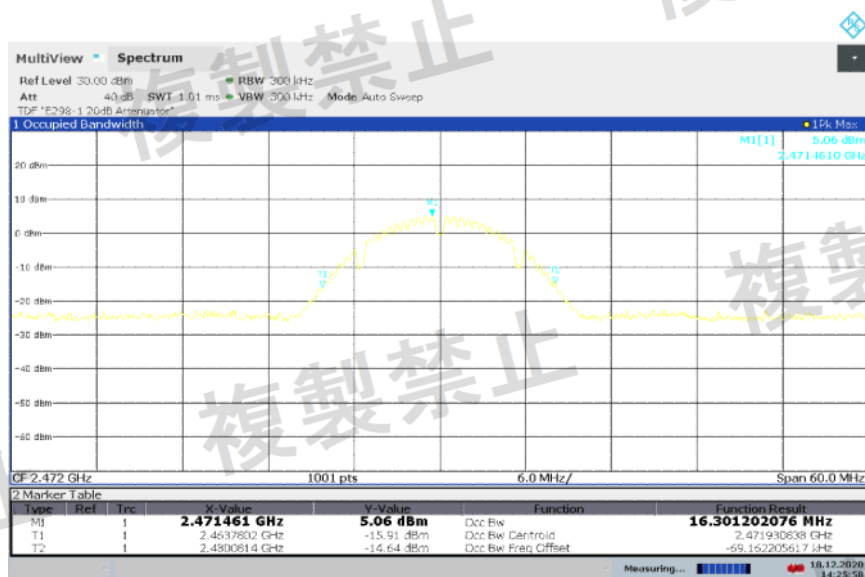
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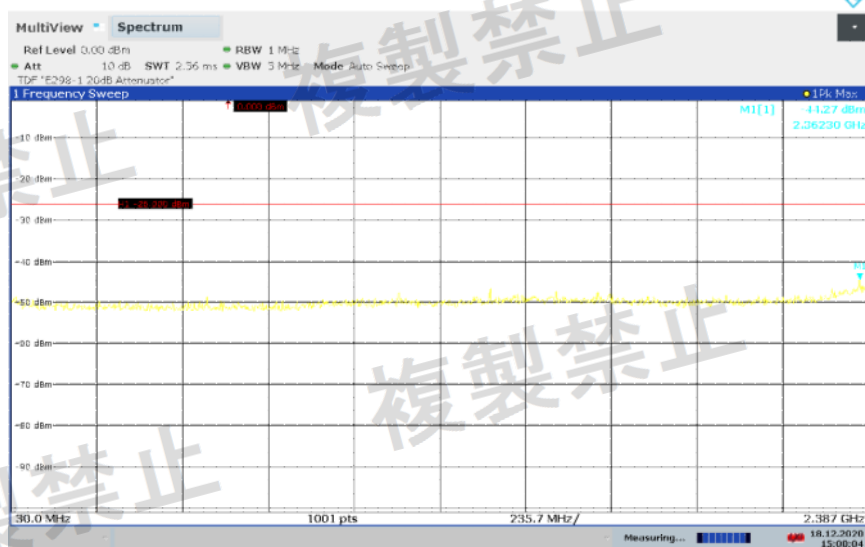


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2472MHz



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