

Test result and instruments about Type certificate

WiFi 2.4G 11b 14ch

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 2484MHz (14ch) 0.003W/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

Condition	Test Items	Unit	Normal Voltage + 10% (5.5VDC)			Normal Voltage (5VDC)			Normal Voltage - 10% (4.5VDC)			Judgment	Limit	Remarks
			-	2484MHz	-	-	2484MHz	-	-	2484MHz	-			
Normal (23.1° C, 52.2%)	Frequency	MHz	-	2484.05112	-	-	2484.04865	-	-	2484.10311	-	Pass		
		ppm	-	20.58156	-	-	19.58535	-	-	41.51065	-		50ppm	
	Occupied Bandwidth	MHz	-	21.02025	-	-	20.70013	-	-	21.00204	-	Pass	26MHz	
	Spread Bandwidth	MHz	-	14.72534	-	-	14.90585	-	-	15.10597	-	Pass	500kHz	
	Spreading rate			10.70934			10.84062			10.98616			>10	
	Spurious Emissions	30MHz-2458MHz	dBm	-45.11000	-	-	-46.24000	-	-	-45.24000	-	Pass	-26dBm	
			MHz	2457.46075	-	-	2456.80000	-	-	2457.49237	-			
		2458MHz-2471MHz	dBm	-21.43949	-	-	-22.57000	-	-	-21.56949	-	Pass	-16dBm	
			MHz	2470.65000	-	-	2470.99400	-	-	2470.69000	-			
		2497MHz-2510MHz	dBm	-22.95000	-	-	-24.32000	-	-	-23.11000	-	Pass	-16dBm	
			MHz	2497.33000	-	-	2497.00600	-	-	2497.31000	-			
	2510MHz-12.5GHz	dBm	-	-48.26000	-	-	-48.46000	-	-	-48.21000	-	Pass	-26dBm	
		MHz	-	4971.23051	-	-	4970.10000	-	-	4971.10051	-			
	Antenna Power	W/MHz	-	0.00343	-	-	0.00317	-	-	0.00311	-	Pass	0.01W/MHz	
		%	-	14.25593	-	-	5.65208	-	-	3.72388	-	Pass	+20 ~ -80%	
	Secondary Radiated Emissions	30MHz-1GHz	dBm	-56.04770	-	-	-56.28000	-	-	-56.15950	-	Pass	-54dBm	
			MHz	563.09050	-	-	560.54000	-	-	561.73680	-			
		1GHz-12.5GHz	dBm	-54.65770	-	-	-54.89000	-	-	-54.76950	-	Pass	-47dBm	
			MHz	2812.72200	-	-	1382.49200	-	-	1580.91300	-			
	Interference Prevention Function		-	Pass	-	-	Pass	-	-	Pass	-	Pass		

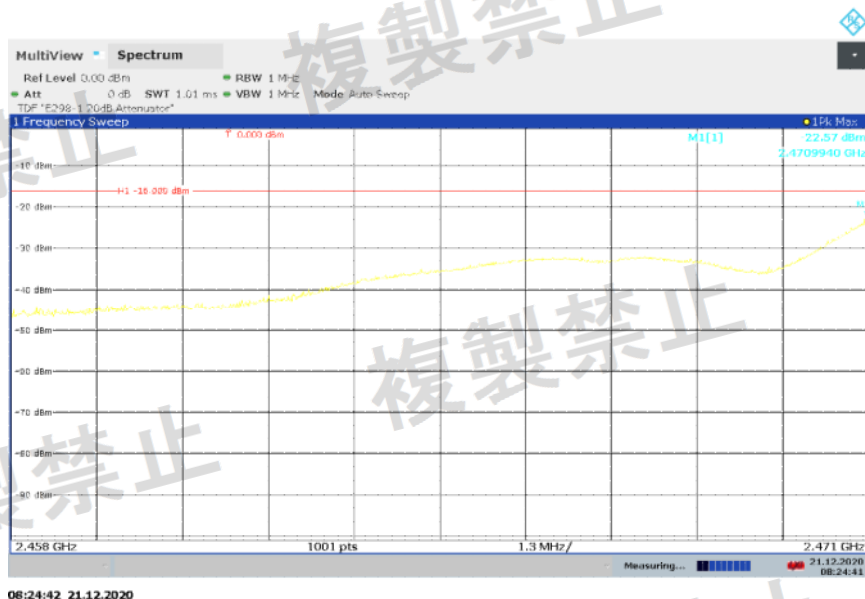
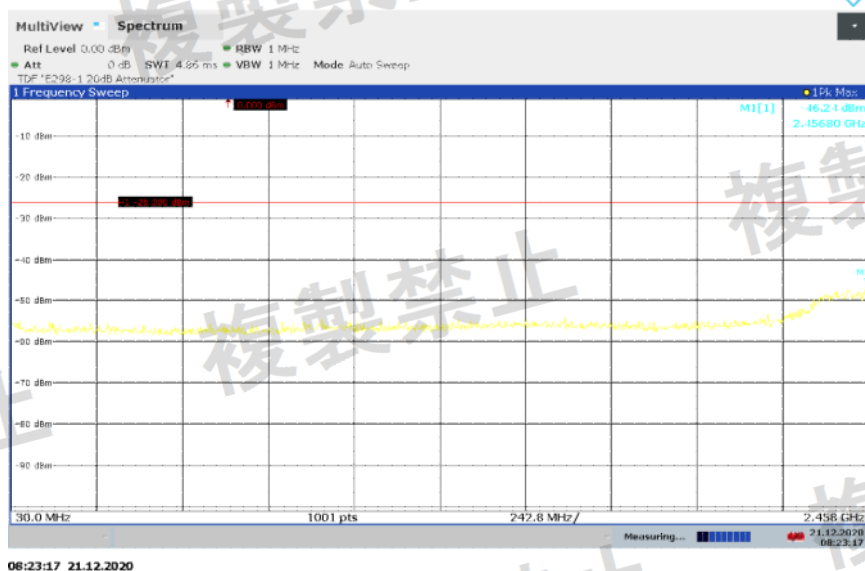
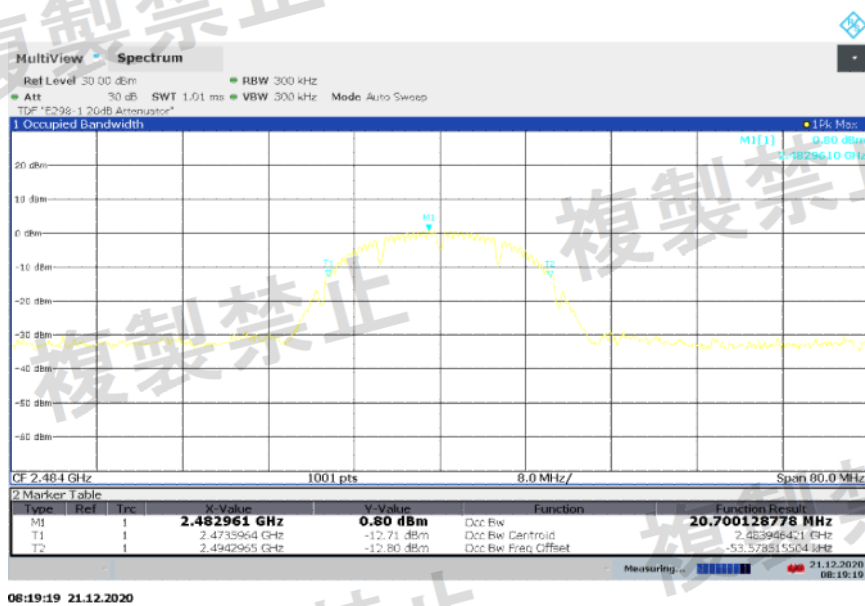
Note:

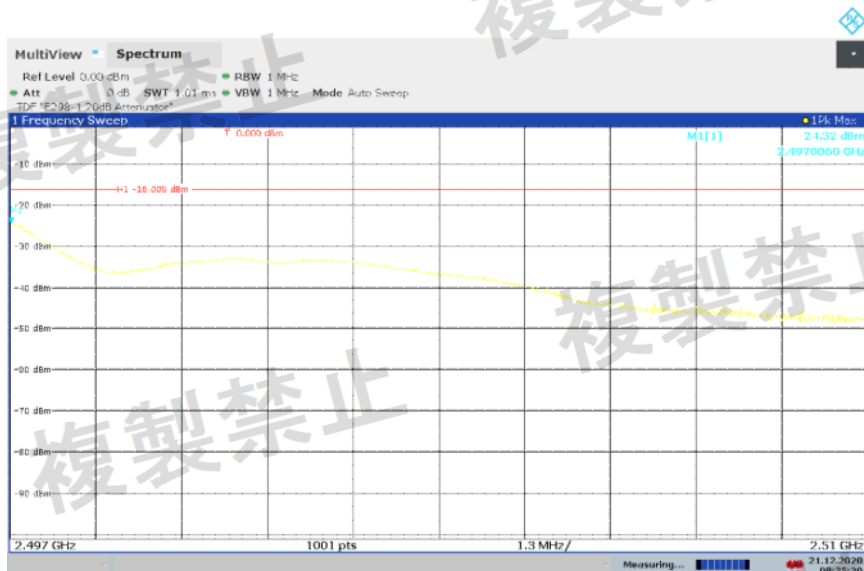
Spreading rate = spread bandwidth / (frequency equal to the transmission rate of the modulation signal)

Worse case mode is CCK : 1.375MHz

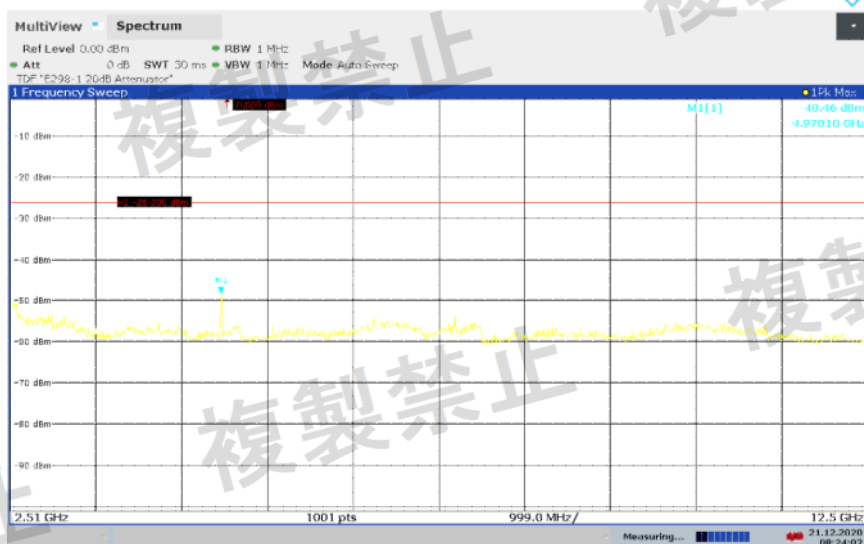
11b

2484MHz





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