

Test result and instruments about Type certificate

1. General

Model name	25081	Date	8 December 2021
Serial number	A1	Place	SGS Hong Kong Limit
Class of emissions, Assigned frequency and Antenna power	F1D 2402-2480MHz (2MHz Separation 40ch) 0.0006W	Remarks	

2. Measuring Instruments

Equipment type	Model number	Serial number	Manufacturer	Calibrated Date	Calibration Authority	Remarks
Signal and Spectrum Analyzer 2H	FSW26	101354	ROHDE & SCHWARZ	8/17/2021	CEPREI (C)	

3. Test Result

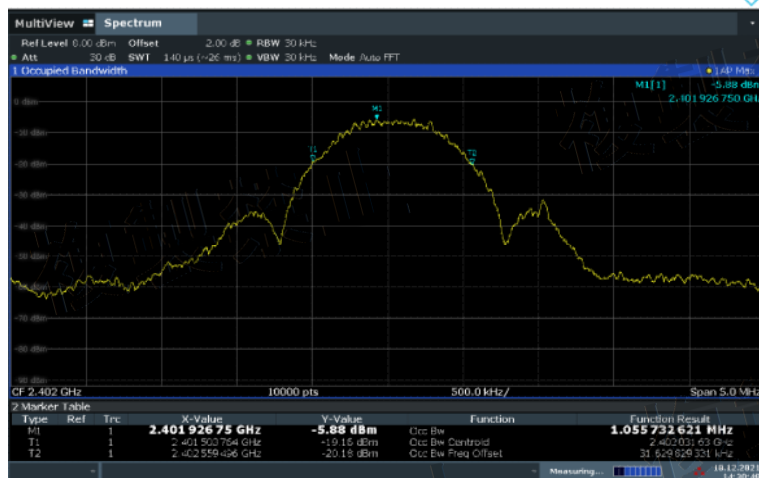
Condition	Test Items *3	Unit	Normal Voltage + 10% (52.8 V)			Normal Voltage (48 V)			Normal Voltage - 10% (43.2 V)			Judgment	Limit	Remarks	
			2402	2440	2480	2402	2440	2480	2402	2440	2480				
Normal (21.5 °C, 52.8 %)	Frequency	MHz	2402.031	2440.032	2480.032	2402.031	2440.031	2480.032	2402.032	2440.032	2480.033	Pass			
		ppm	13.093	13.012	13.004	12.843	12.889	12.923	13.135	13.135	13.125		50ppm		
	Occupied Bandwidth	MHz	1.056	1.051	1.060	1.058	1.053	1.058	1.060	1.064	1.062	Pass	26MHz		
	Spurious	30MHz-2387MHz	dBm	-35.540	-35.700	-34.260	-34.970	-34.570	-34.550	-36.070	-35.650	-35.430	Pass	-26dBm	
			MHz	63.710	63.710	63.710	63.710	63.710	63.710	63.710	64.180	63.710			
		2387MHz-2400MHz	dBm	-33.800	-46.170	-45.940	-31.460	-45.520	-45.890	-32.920	-45.590	-45.920	Pass	-16dBm	
			MHz	2399.994	2396.669	2396.071	2399.994	2399.721	2396.305	2399.994	2394.604	2393.110			
		2483.5MHz-2496.5MHz	dBm	-45.730	-45.370	-44.340	-44.860	-45.310	-43.830	-45.790	-45.740	-44.900	Pass	-16dBm	
			MHz	2492.519	2495.247	2483.532	2489.169	2487.974	2483.571	2494.364	2484.338	2483.506			
		2496.5MHz-12.5GHz	dBm	-49.390	-46.520	-45.490	-45.570	-47.590	-45.950	-45.910	-46.170	-46.420	Pass	-26dBm	
			MHz	2496.500	2958.330	2959.280	2978.810	2978.810	2943.080	2996.440	2964.040	2913.070			
	Antenna Power		W	0.000683	0.000588	0.000525	0.000678	0.000604	0.000542	0.000706	0.000627	0.000565	Pass	0.0006W	
			%	13.763	-2.002	-12.473	13.021	0.701	-9.709	17.599	4.547	-5.794		+20 ~ -80%	
	Secondary Radiated Emissions	30MHz-1GHz	dBm	-73.190	-73.510	-72.830	-73.250	-73.590	-73.330	-73.670	-72.950	-73.930	Pass	-54dBm	
			MHz	947.380	954.650	994.420	973.080	963.380	952.710	931.860	978.900	980.360			
		1GHz-12.5GHz	dBm	-64.660	-64.690	-64.700	-66.550	-66.110	-62.150	-65.950	-66.260	-65.130	Pass	-47dBm	
			MHz	2462.500	6998.250	4958.250	2982.750	4882.250	2425.750	2922.250	4881.750	4958.250			
	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)

High Voltage

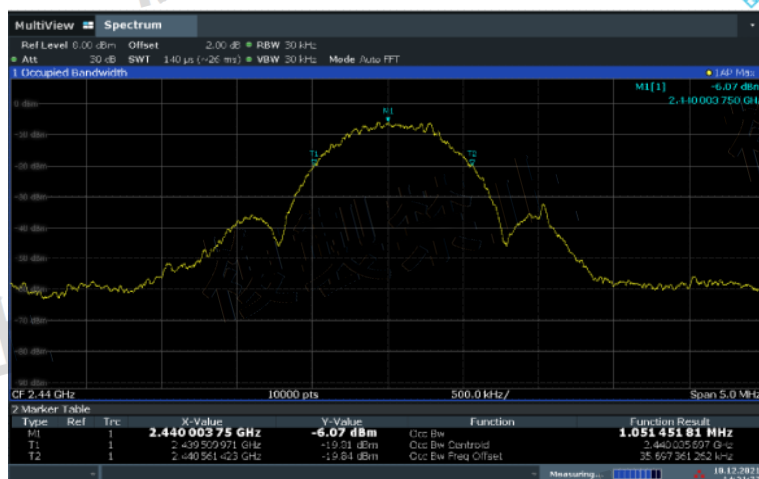
OBW

Low-ch



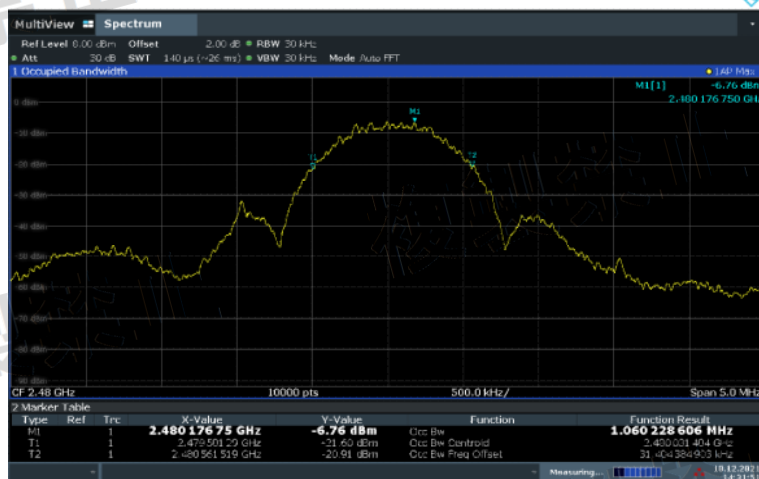
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Middle-ch



14:31:24 10.12.2021

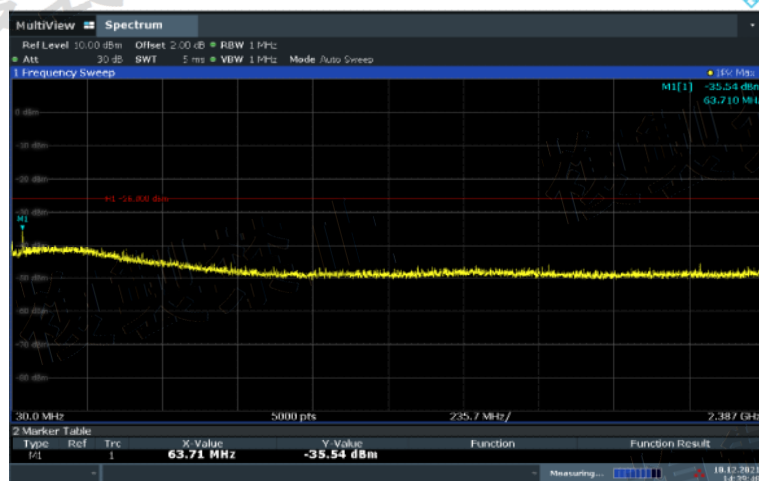
High -ch



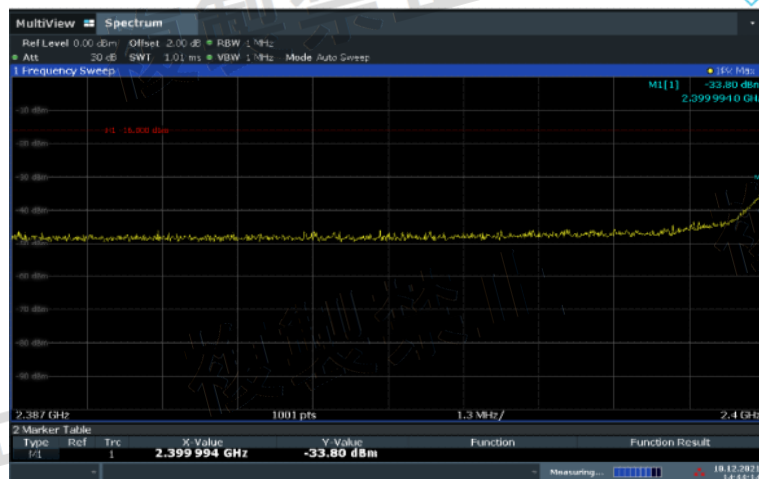
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Tx Spurious

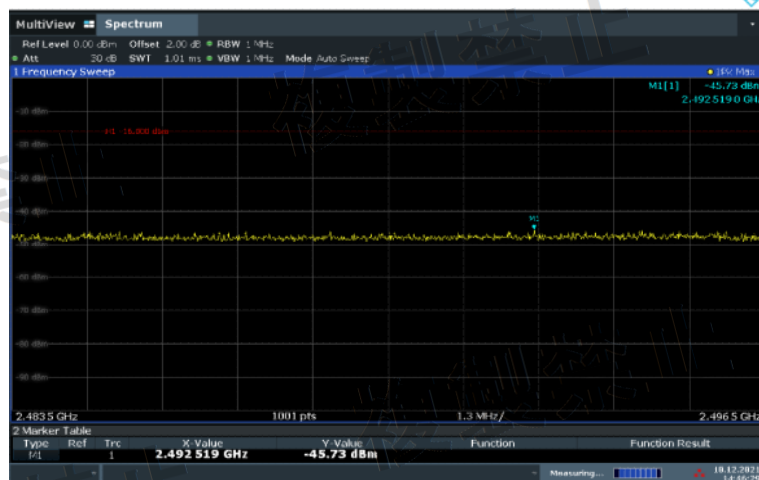
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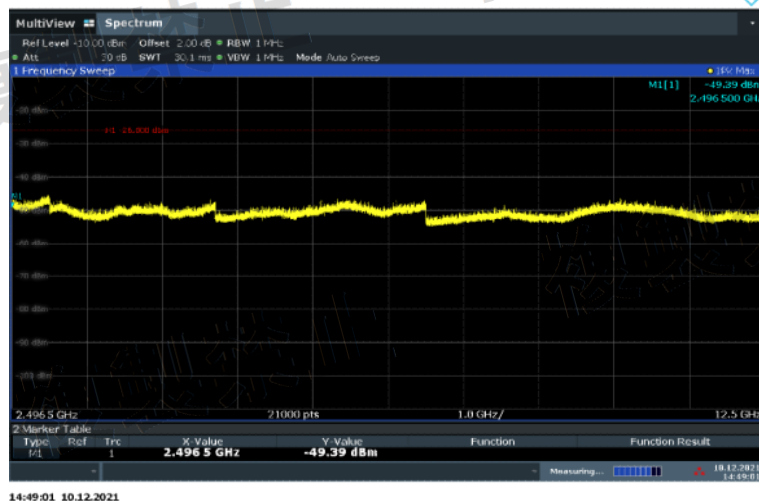
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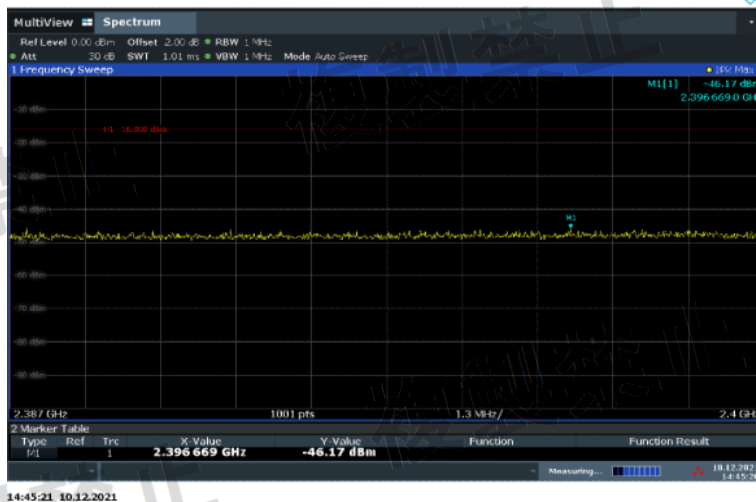
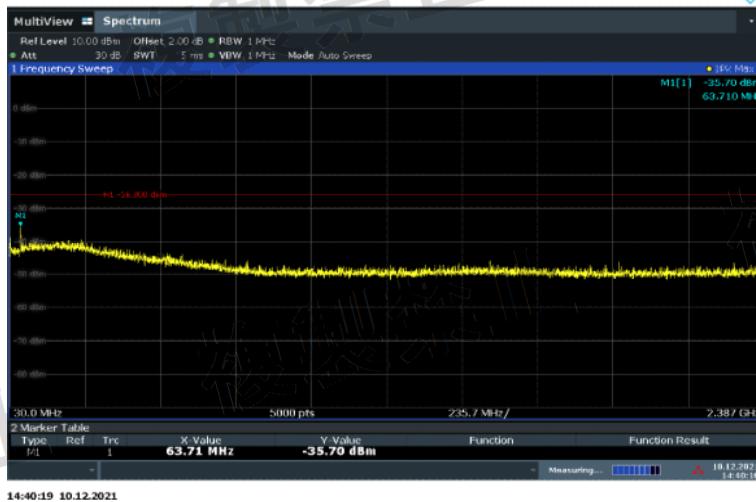
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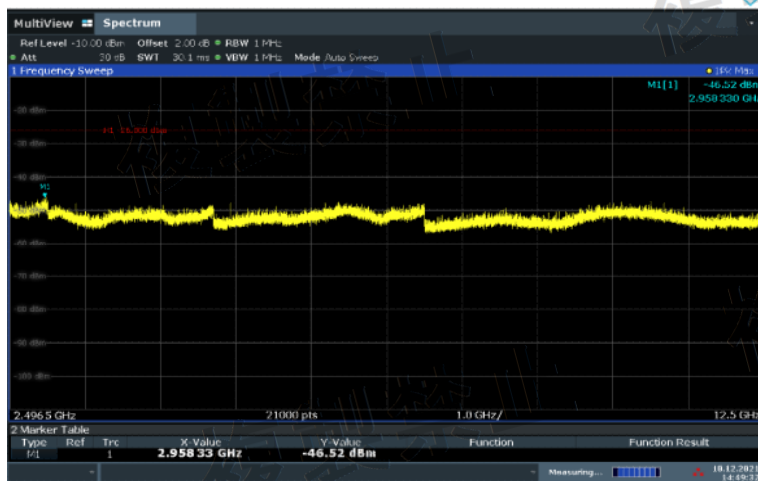


Middle-ch



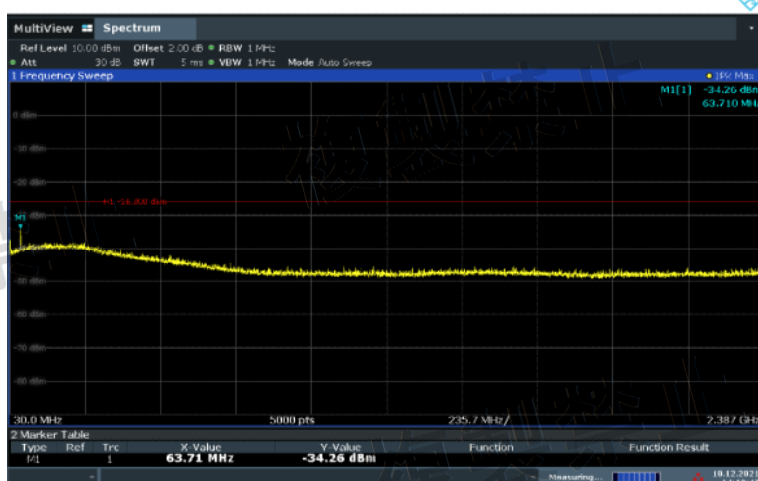


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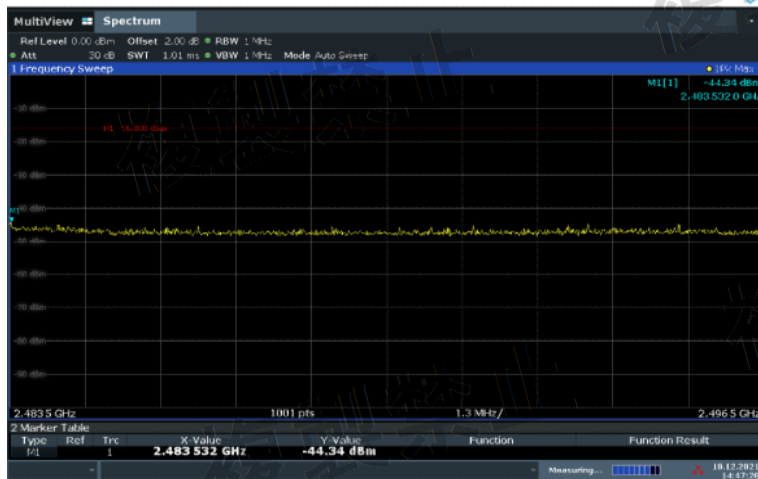
High -ch



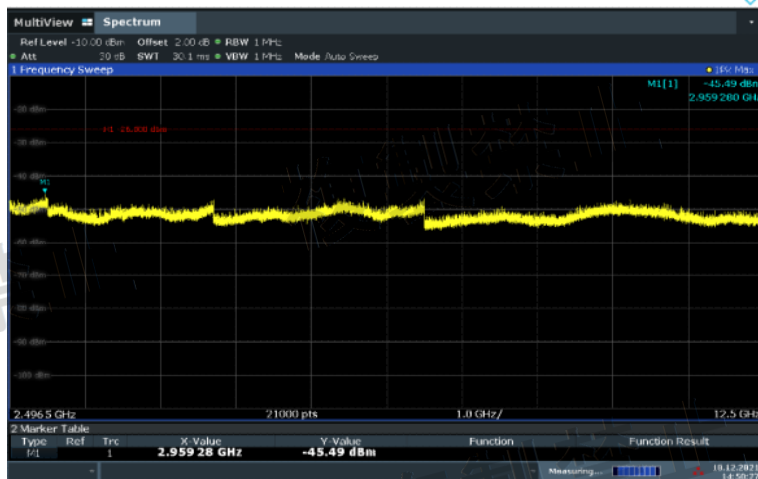
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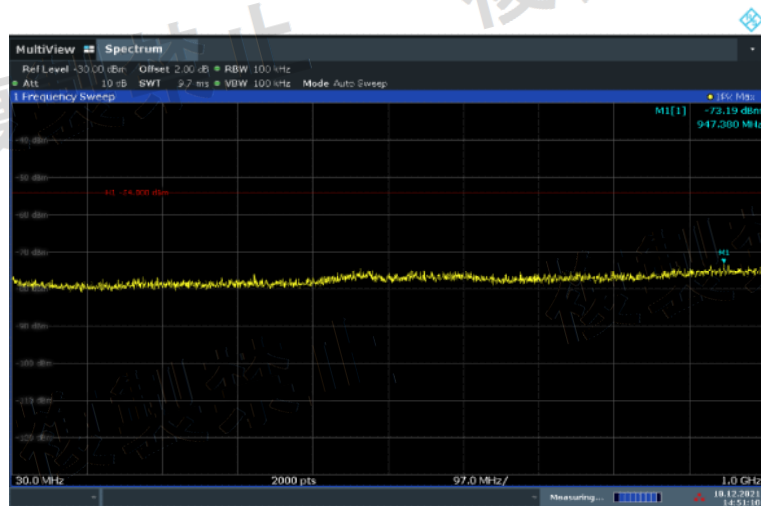


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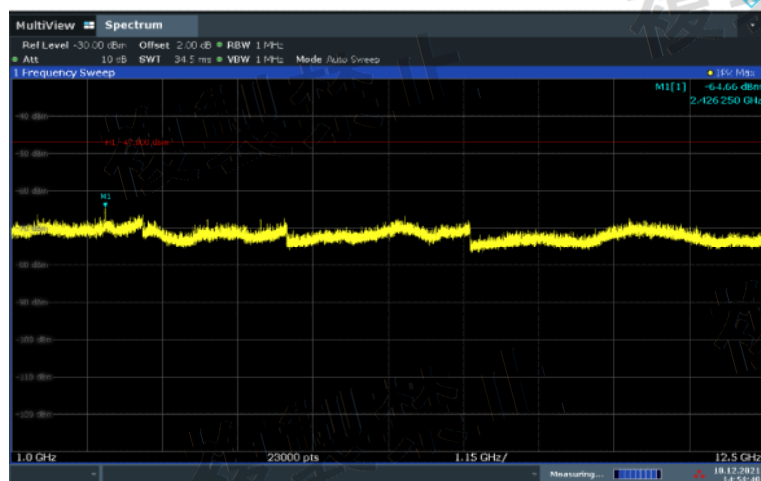


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Rx Spurious
Low-ch

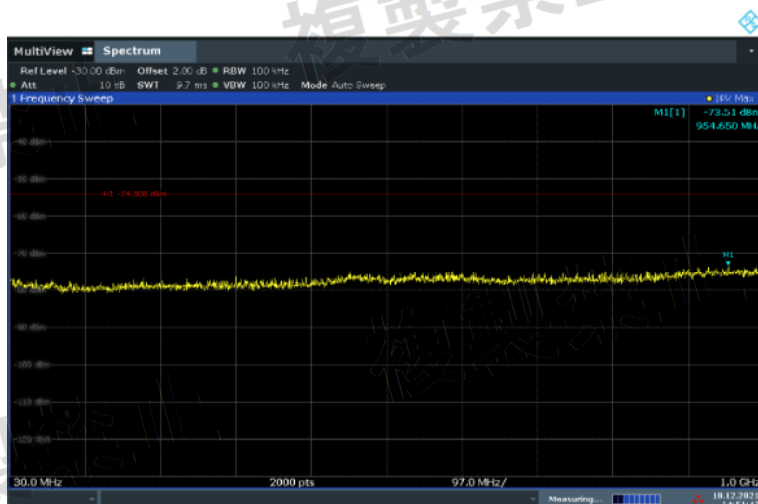


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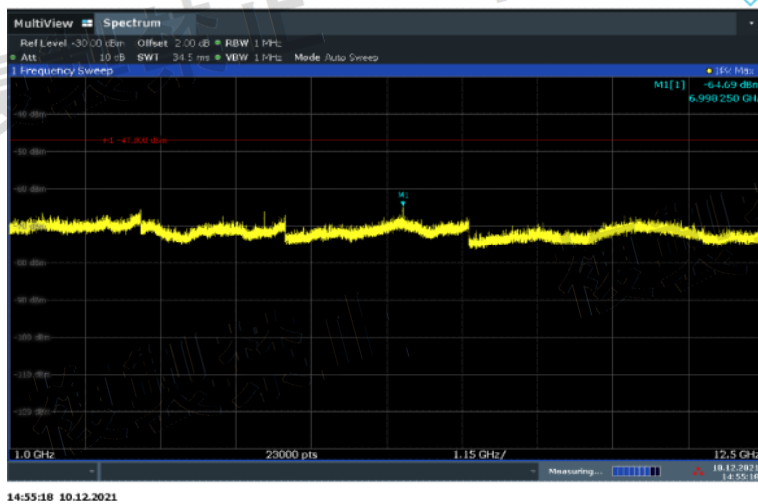


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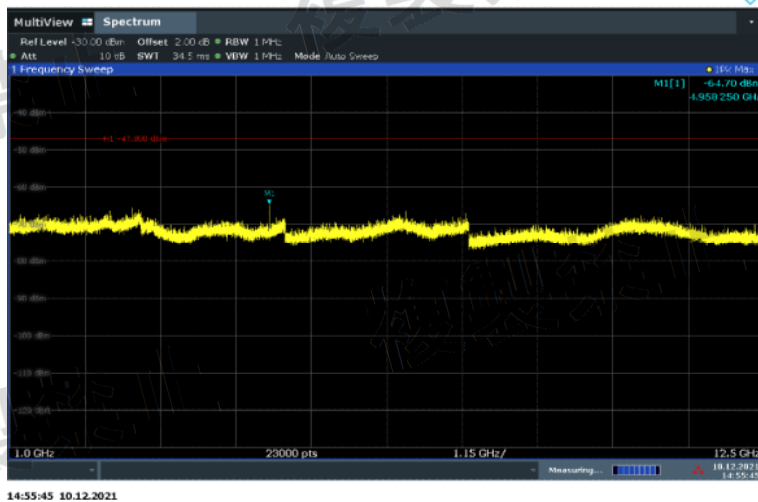
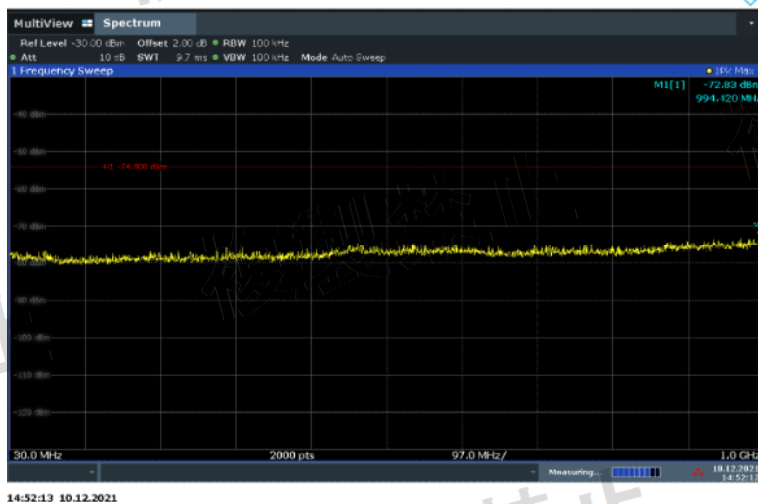
Middle-ch



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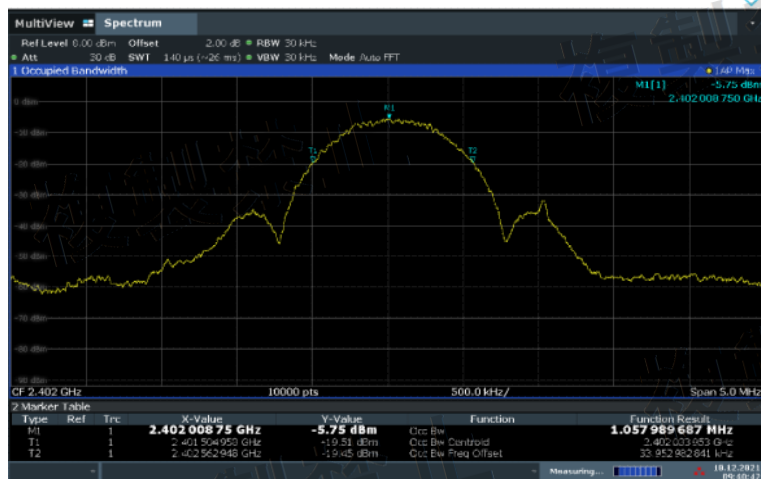
High -ch



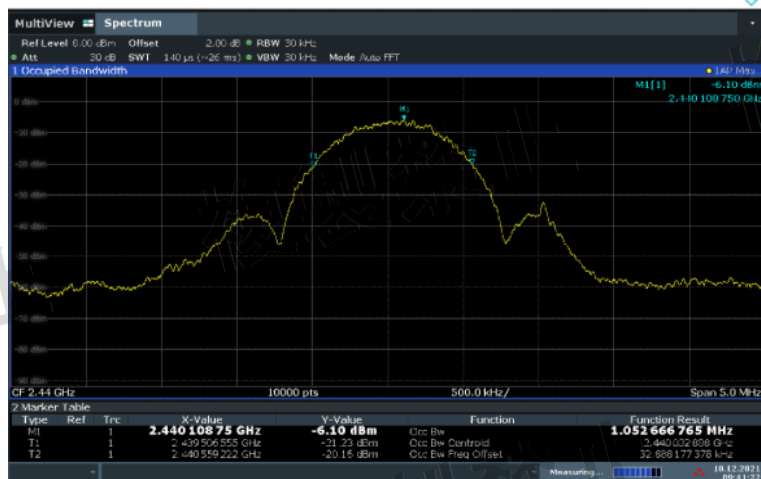
Normal Voltage

OBW

Low-ch



Middle-ch

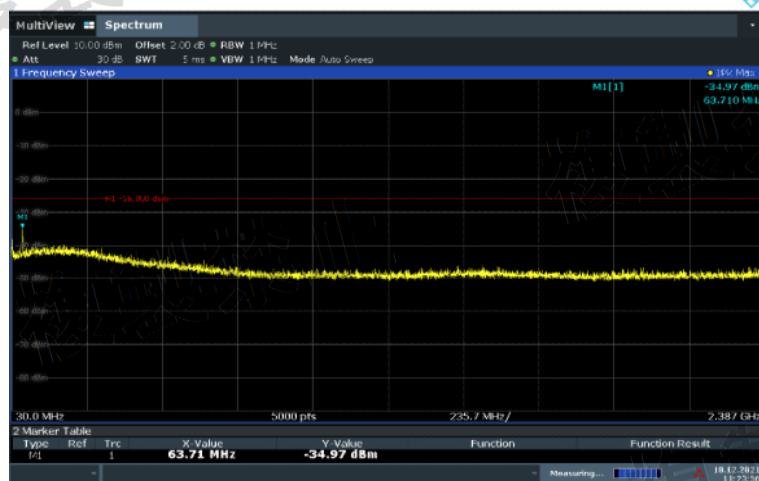


High -ch

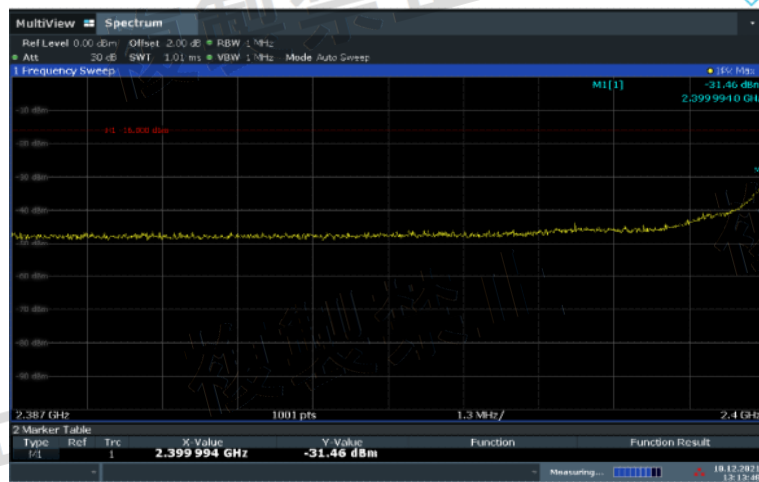


Tx Spurious

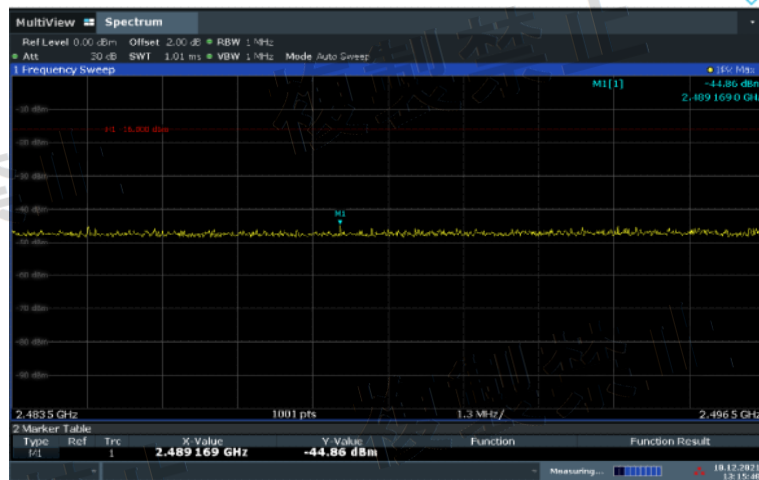
Low-ch



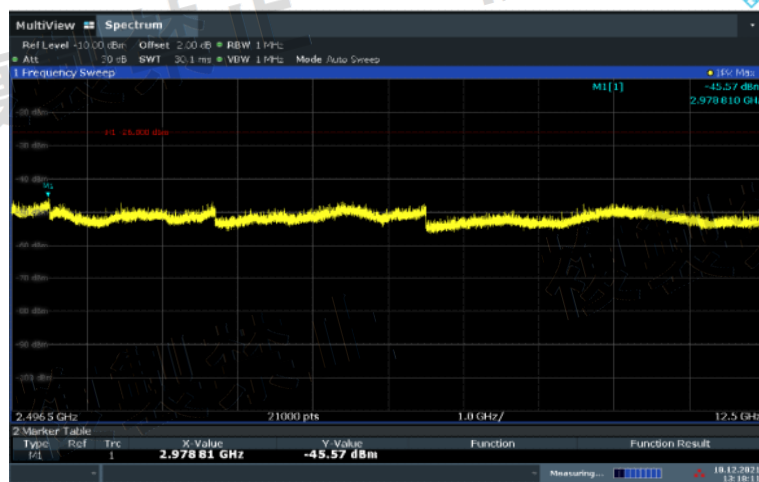
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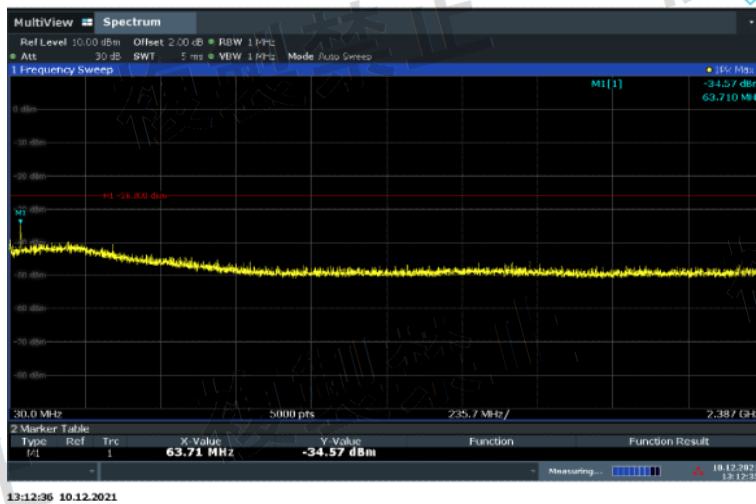
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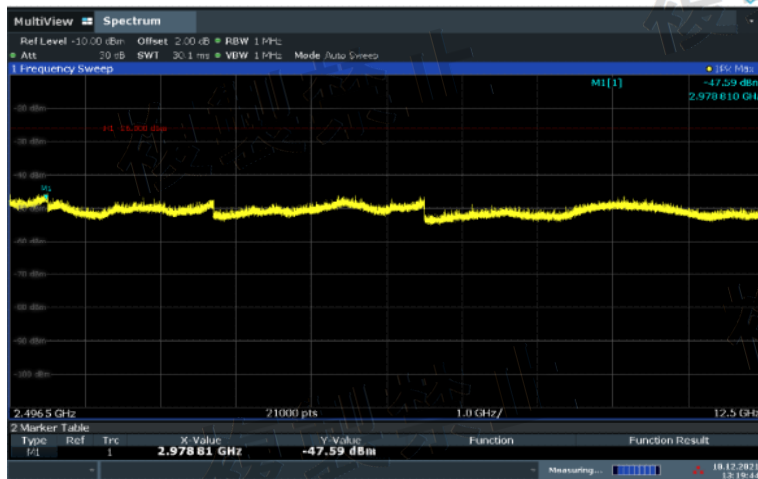


Middle-ch



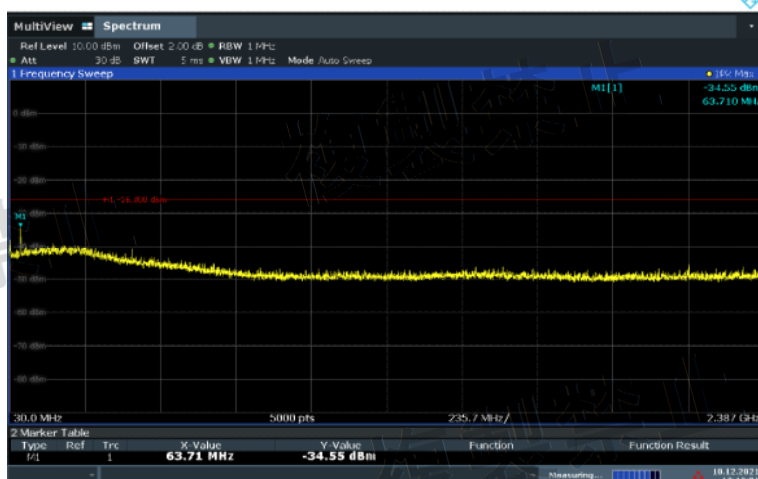


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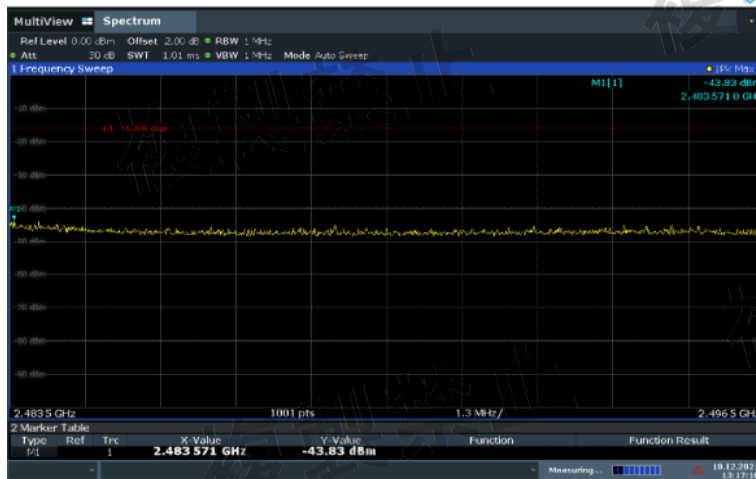
High -ch



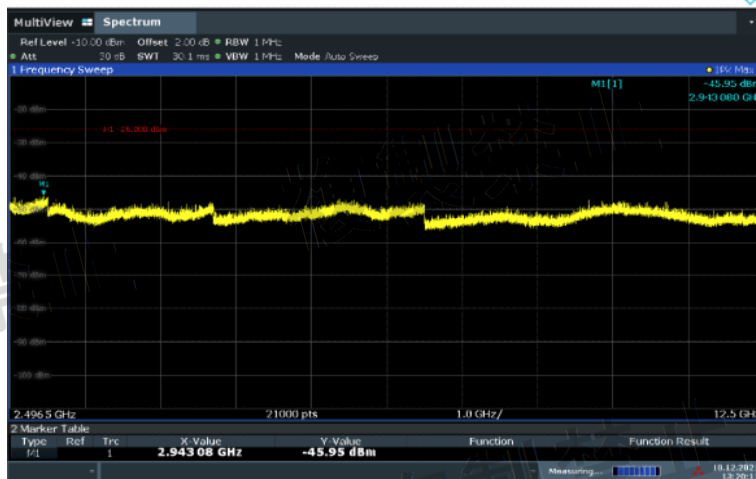
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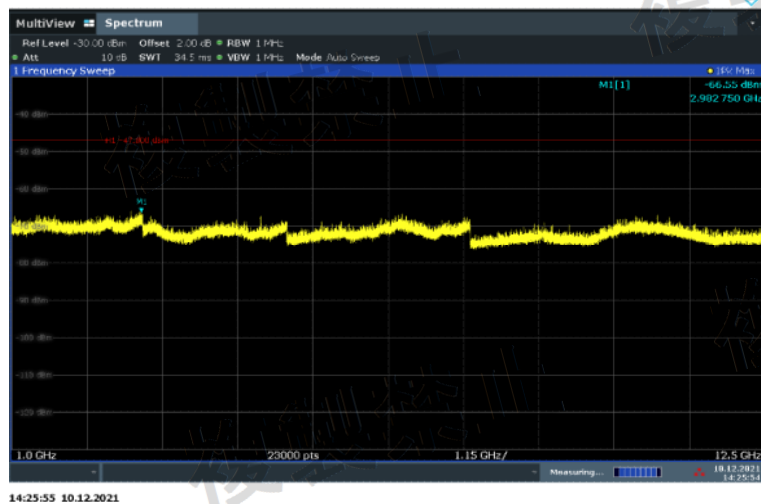
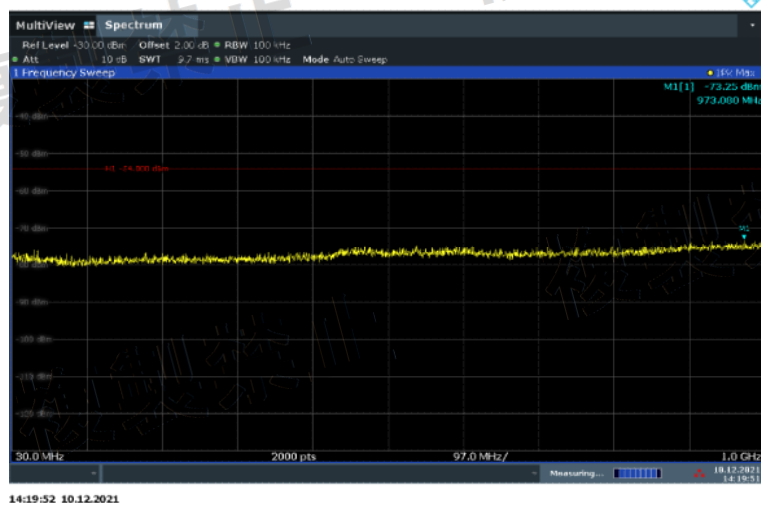


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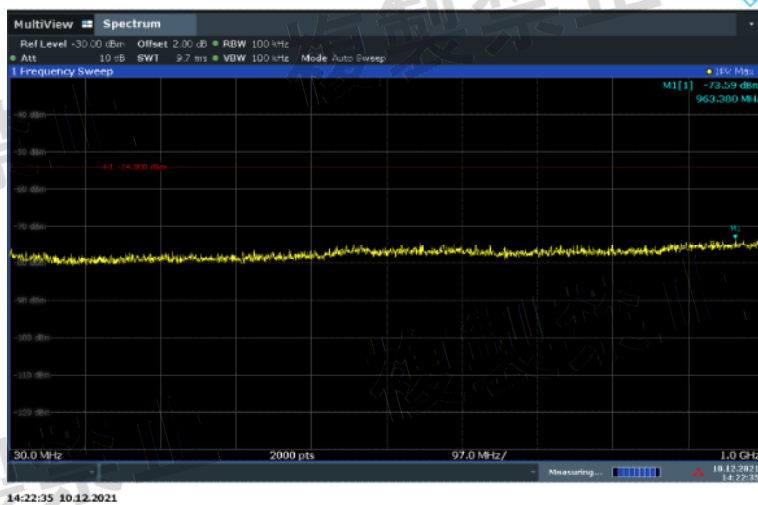


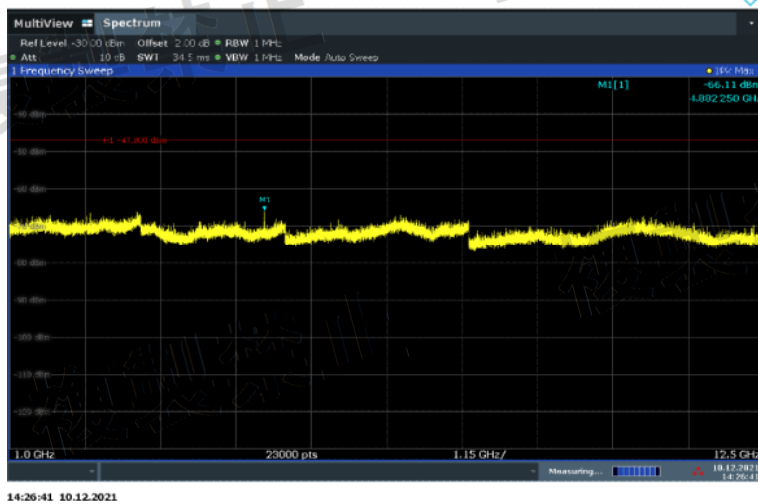
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Rx Spurious
Low-ch

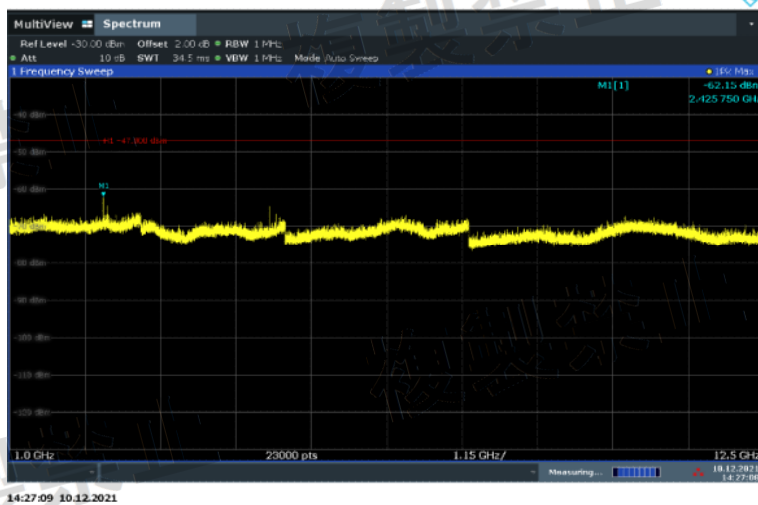
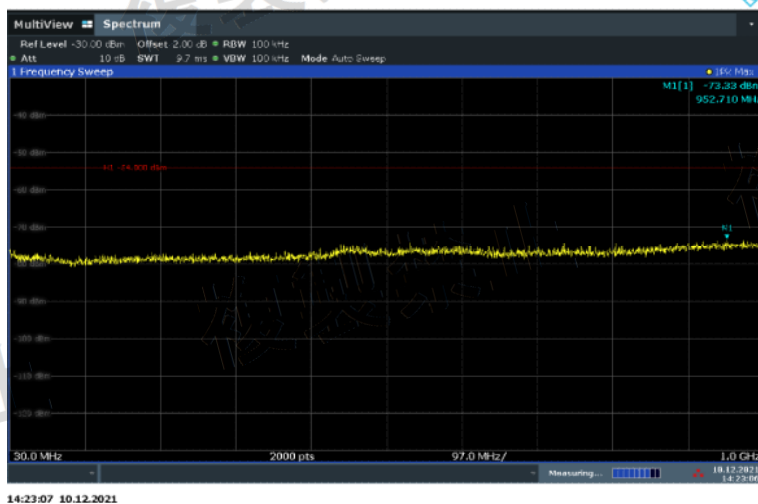


Middle-ch





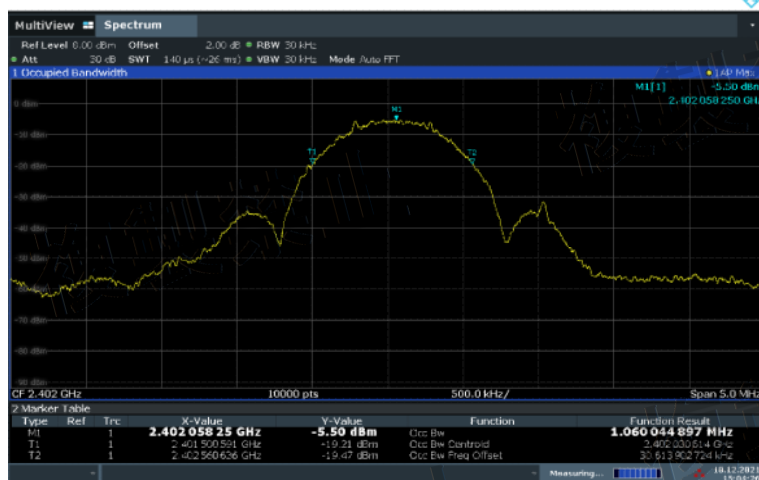
High -ch



Low Voltage

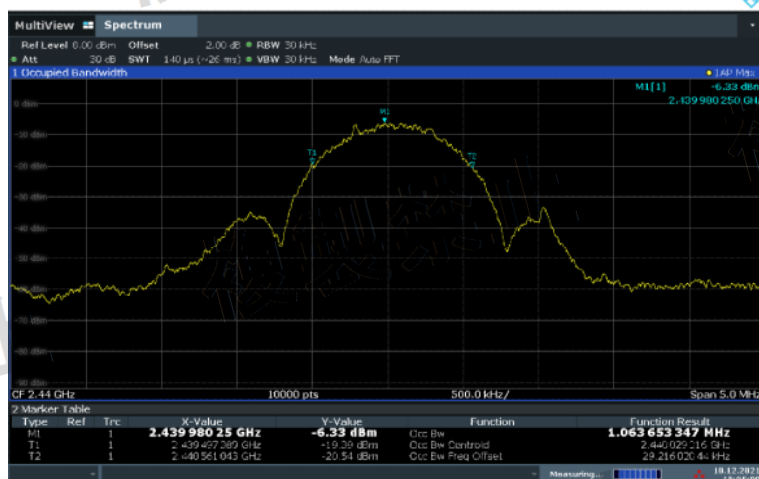
OBW

Low-ch



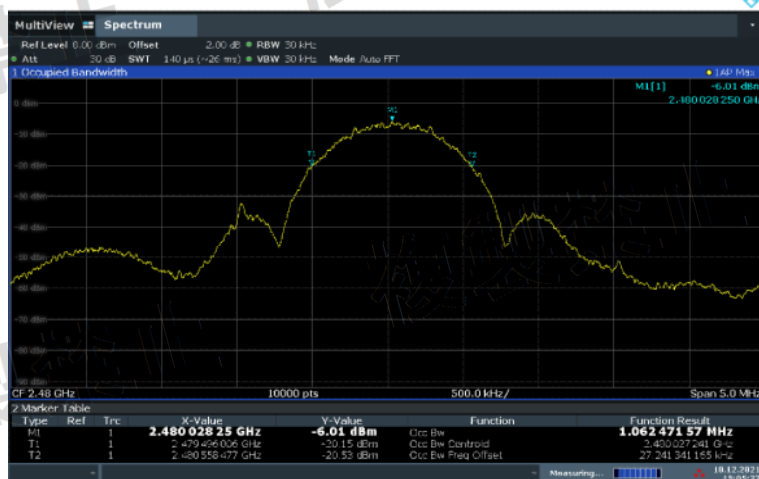
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Middle-ch



15:05:01 10.12.2021

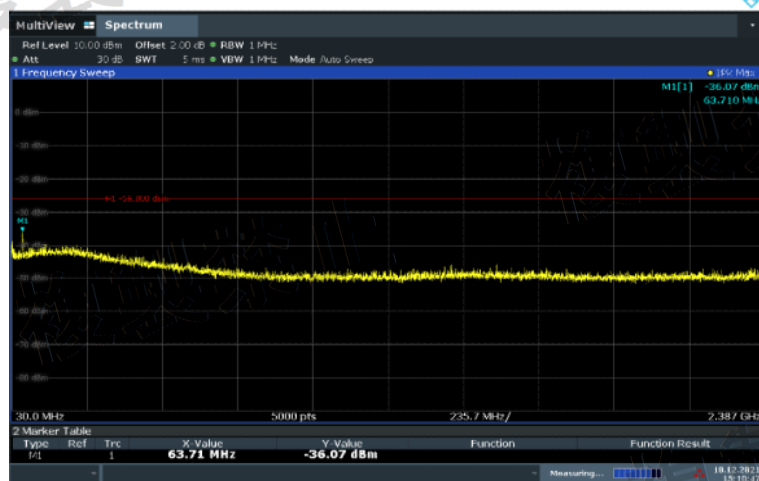
High -ch



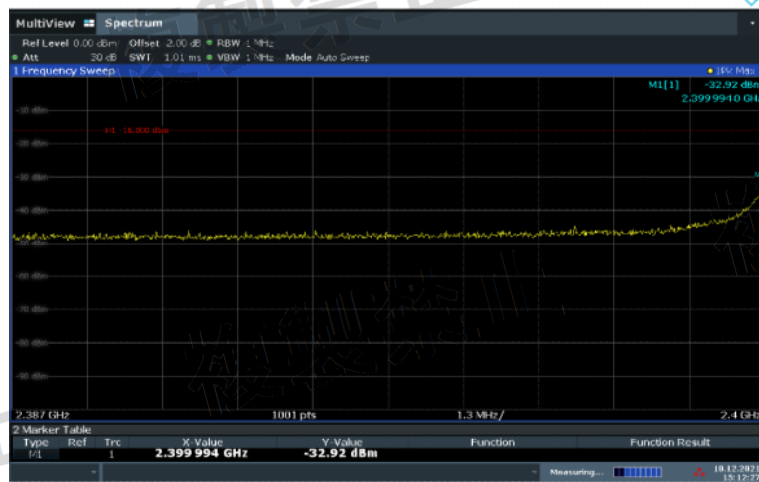
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Tx Spurious

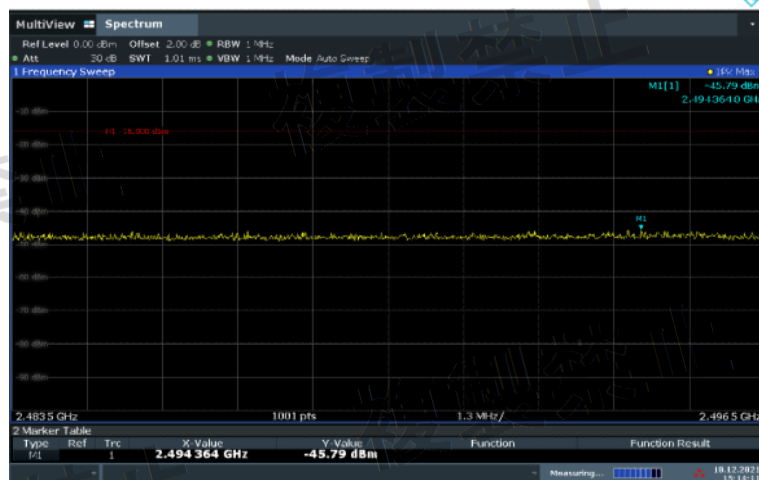
Low-ch



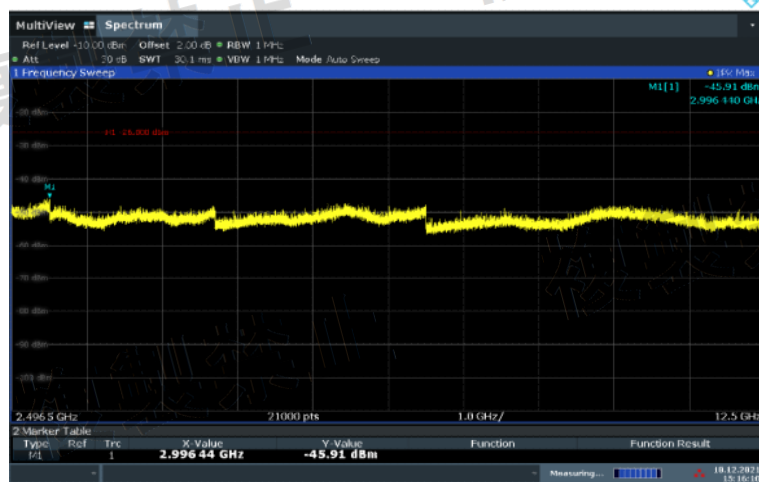
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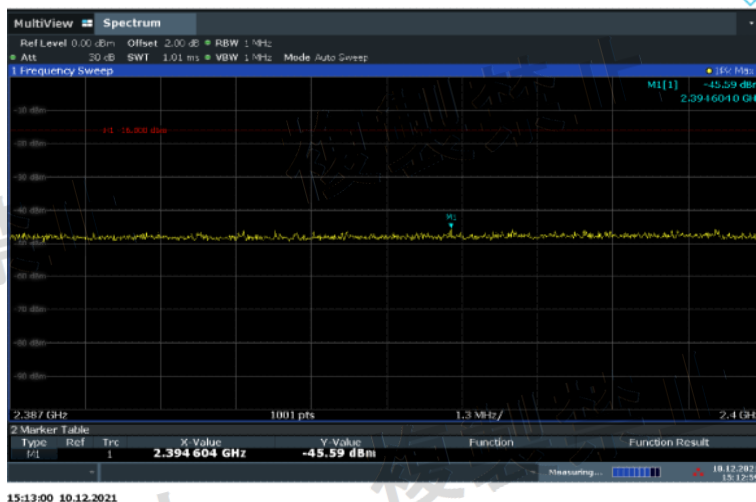
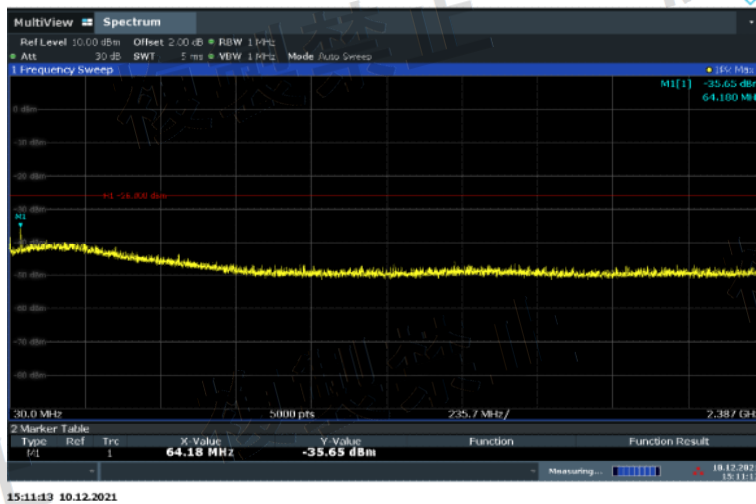
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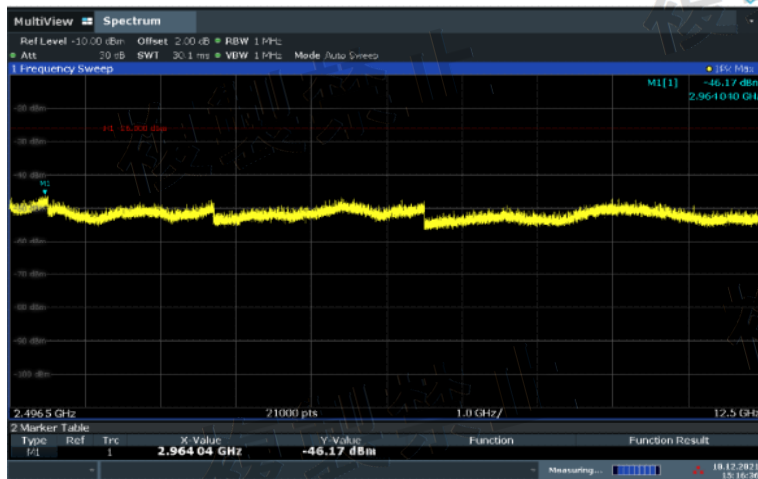


Middle-ch



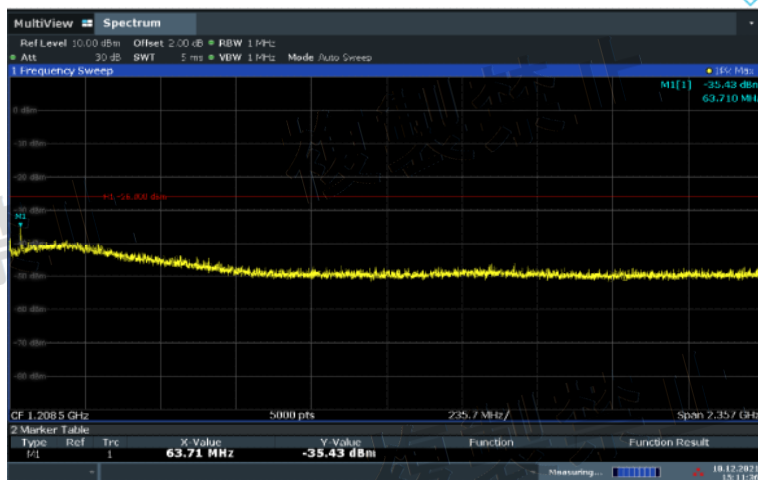


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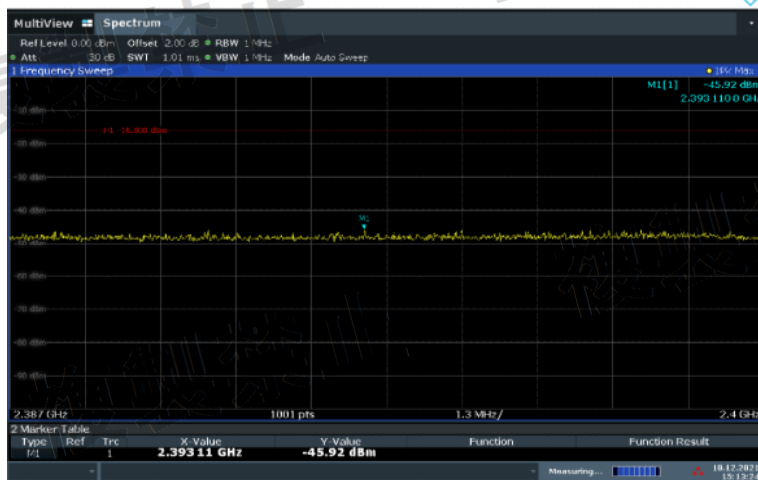


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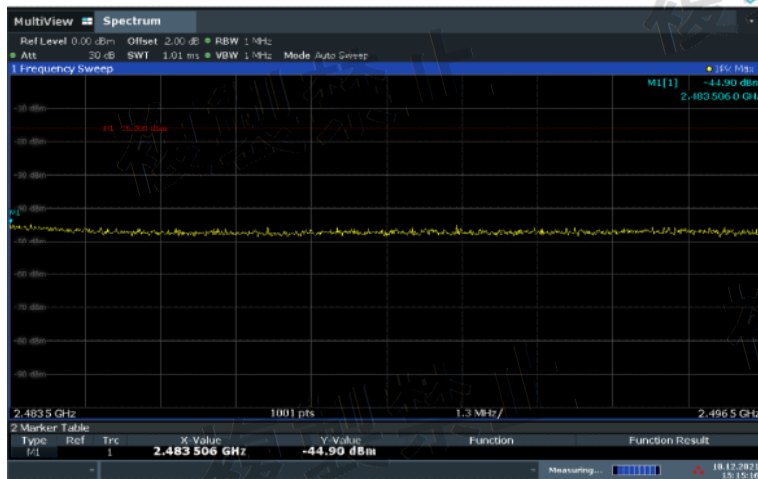
High -ch



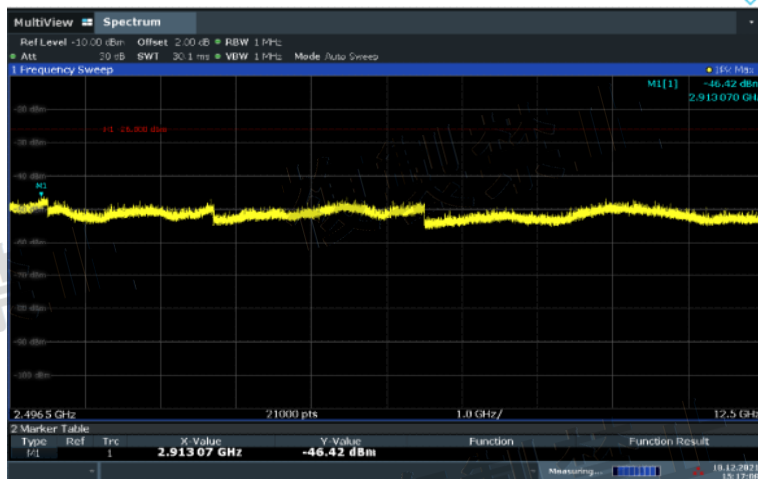
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15:13:25 10.12.2021

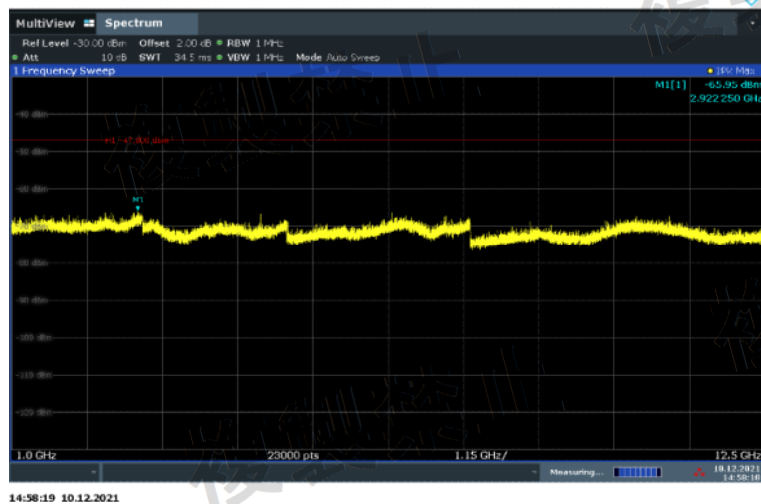
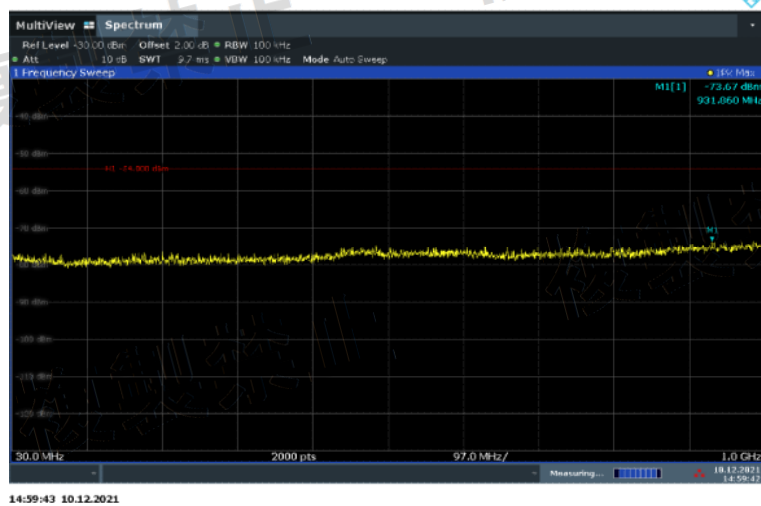


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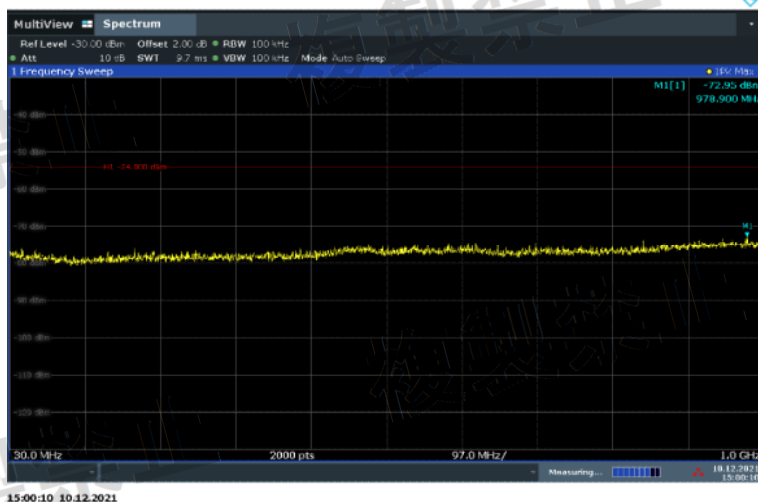


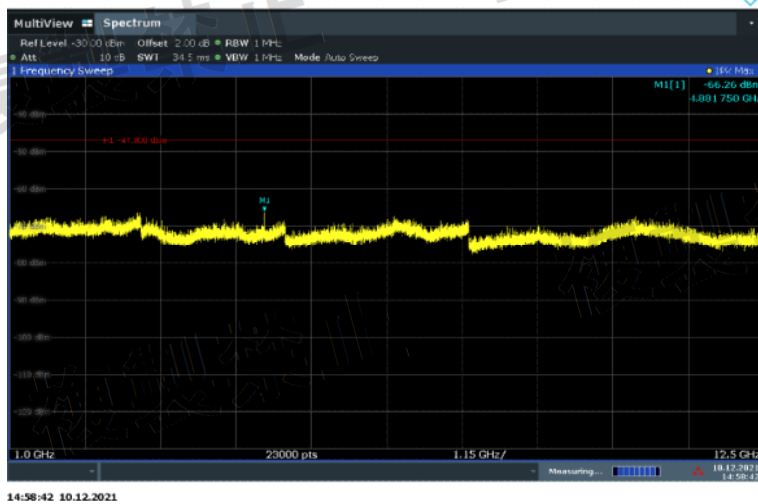
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Rx Spurious
Low-ch



Middle-ch





High -ch

