

別紙 TEST DATA

(for Bluetooth Classic)

1. 周波数の偏差

1.1. 試験結果

Test Voltage	Channel [MHz]	Read. Frequency [MHz]	Tolerance [kHz]	Tolerance [ppm]	Limit [ppm]
DC 3.70 V	2402	2401.99494	-5.06	-2.11	± 50.0
	2441	2440.99461	-5.39	-2.21	± 50.0
	2480	2479.99438	-5.62	-2.27	± 50.0

$$\text{Tolerance [kHz]} = (\text{Read. Frequency [MHz]} - \text{Channel [MHz]}) \times 10^3$$

$$\text{Tolerance [ppm]} = \text{Tolerance [kHz]} \times 10^{-3} / \text{Channel [MHz]} \times 10^6$$

1.2. 測定器画面データ

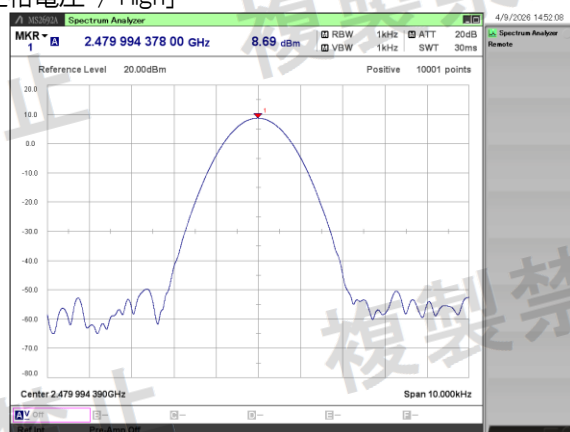
[定格電圧 / Low]



[定格電圧 / Mid]



[定格電圧 / High]



2. 占有周波数帯幅 / 拡散帯域幅

2.1. 試験結果

[BR / 占有周波数帯域幅 / 79 ホッピング]

Mode	Channel [MHz]	Result [MHz]	Limit [MHz]
DC 3.70 V	2441	78.139	≤ 83.5

[BR / 拡散帯域幅 / 79 ホッピング]

Mode	Channel [MHz]	Result [MHz]
DC 3.70 V	2441	71.042

[EDR / 占有周波数帯域幅 / 79 ホッピング]

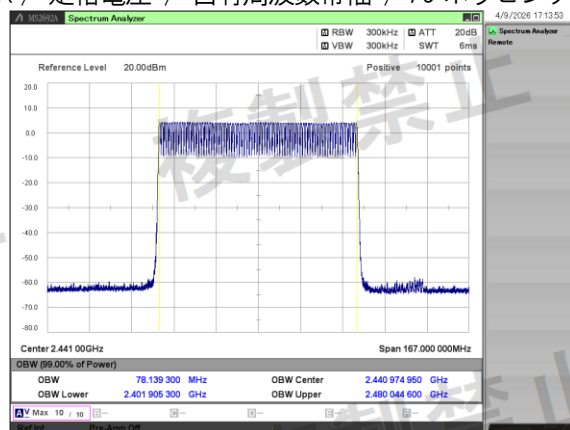
Mode	Channel [MHz]	Result [MHz]	Limit [MHz]
DC 3.70 V	2441	78.240	≤ 83.5

[EDR / 拡散帯域幅 / 79 ホッピング]

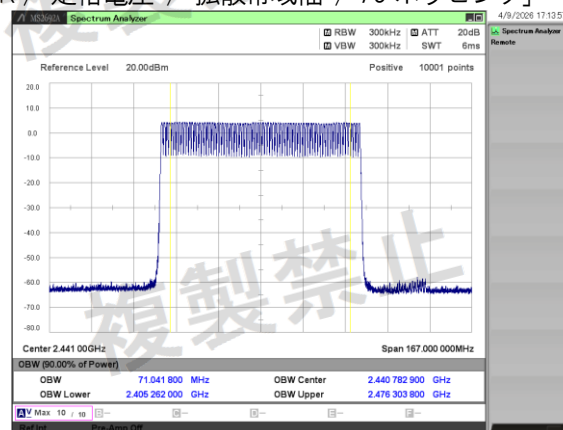
Mode	Channel [MHz]	Result [MHz]
DC 3.70 V	2441	71.226

2.2. 測定器画面データ

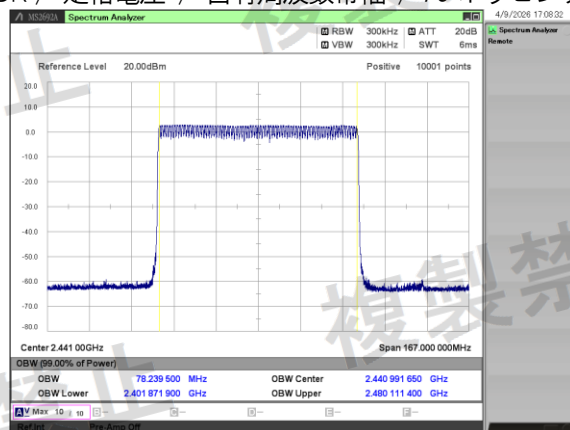
[BR / 定格電圧 / 占有周波数帯幅 / 79 ホッピング]



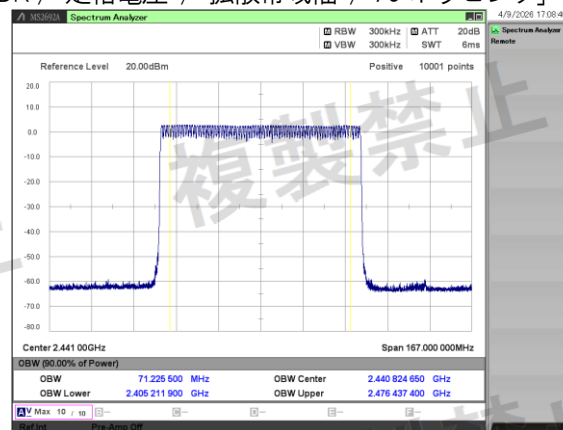
[BR / 定格電圧 / 拡散帯域幅 / 79 ホッピング]



[EDR / 定格電圧 / 占有周波数帯幅 / 79 ホッピング]



[EDR / 定格電圧 / 拡散帯域幅 / 79 ホッピング]



3. スプリアス発射または不要発射の強度

3.1. 試験結果

[BR]

Test Voltage	Channel [MHz]	Frequency [MHz]	S/A Read. [dBm]	C.F. [dB]	Result [dBm]	Result [uW]	Limit [dBm]	Limit [uW]	Margin [dB]
DC 3.70 V	2402	1514.45	-66.70	1.03	-65.67	0.00027	≤ -26.02	≤ 2.5	39.65
		1949.26	-67.18	1.06	-66.12	0.00024	≤ -26.02	≤ 2.5	40.10
		2337.90	-66.20	1.09	-65.11	0.00031	≤ -26.02	≤ 2.5	39.09
		2375.66	-54.04	1.10	-52.94	0.00509	≤ -26.02	≤ 2.5	26.92
		2399.89	-38.90	1.10	-37.80	0.16615	≤ -16.02	≤ 25.0	21.78
		2484.93	-55.60	1.11	-54.49	0.00355	≤ -16.02	≤ 25.0	38.47
		2496.51	-56.20	1.11	-55.09	0.00310	≤ -26.02	≤ 2.5	29.07
		4804.31	-55.20	1.30	-53.90	0.00408	≤ -26.02	≤ 2.5	27.88
	2441	7206.03	-68.09	1.42	-66.67	0.00022	≤ -26.02	≤ 2.5	40.65
		1606.80	-67.00	1.04	-65.96	0.00025	≤ -26.02	≤ 2.5	39.94
		1949.26	-68.14	1.06	-67.08	0.00020	≤ -26.02	≤ 2.5	41.06
		2376.62	-54.83	1.10	-53.73	0.00424	≤ -26.02	≤ 2.5	27.71
		2387.77	-55.06	1.10	-53.96	0.00401	≤ -16.02	≤ 25.0	37.94
		2495.16	-56.06	1.11	-54.95	0.00320	≤ -16.02	≤ 25.0	38.93
		2497.79	-56.03	1.11	-54.92	0.00322	≤ -26.02	≤ 2.5	28.90
		4882.24	-53.02	1.30	-51.72	0.00673	≤ -26.02	≤ 2.5	25.70
	2480	7322.92	-67.26	1.42	-65.84	0.00026	≤ -26.02	≤ 2.5	39.82
		1148.32	-67.20	1.01	-66.19	0.00024	≤ -26.02	≤ 2.5	40.17
		1530.39	-67.28	1.03	-66.25	0.00024	≤ -26.02	≤ 2.5	40.23
		2380.47	-54.51	1.10	-53.41	0.00456	≤ -26.02	≤ 2.5	27.39
		2395.47	-54.74	1.10	-53.64	0.00432	≤ -16.02	≤ 25.0	37.62
		2484.34	-50.88	1.11	-49.77	0.01055	≤ -16.02	≤ 25.0	33.75
		2505.93	-53.19	1.11	-52.08	0.00619	≤ -26.02	≤ 2.5	26.06
		2512.49	-63.34	1.11	-62.23	0.00060	≤ -26.02	≤ 2.5	36.21
		4960.16	-53.00	1.31	-51.69	0.00678	≤ -26.02	≤ 2.5	25.67

[EDR]

Test Voltage	Channel [MHz]	Frequency [MHz]	S/A Read. [dBm]	C.F. [dB]	Result [dBm]	Result [uW]	Limit [dBm]	Limit [uW]	Margin [dB]
DC 3.70 V	2402	1554.53	-67.16	1.03	-66.13	0.00024	≤ -26.02	≤ 2.5	40.11
		1946.68	-67.20	1.06	-66.14	0.00024	≤ -26.02	≤ 2.5	40.12
		2337.66	-64.98	1.09	-63.89	0.00041	≤ -26.02	≤ 2.5	37.87
		2386.34	-54.65	1.10	-53.55	0.00442	≤ -26.02	≤ 2.5	27.53
		2399.89	-36.02	1.10	-34.92	0.32203	≤ -16.02	≤ 25.0	18.90
		2495.48	-55.57	1.11	-54.46	0.00358	≤ -16.02	≤ 25.0	38.44
		2505.82	-55.52	1.11	-54.41	0.00363	≤ -26.02	≤ 2.5	28.39
		4803.31	-55.98	1.30	-54.68	0.00340	≤ -26.02	≤ 2.5	28.66
	2441	1092.53	-67.75	1.01	-66.74	0.00021	≤ -26.02	≤ 2.5	40.72
		1558.75	-67.31	1.03	-66.28	0.00024	≤ -26.02	≤ 2.5	40.26
		1947.62	-67.91	1.06	-66.85	0.00021	≤ -26.02	≤ 2.5	40.83
		2385.11	-54.74	1.10	-53.64	0.00432	≤ -26.02	≤ 2.5	27.62
		2397.48	-54.58	1.10	-53.48	0.00449	≤ -16.02	≤ 25.0	37.46
		2495.51	-56.06	1.11	-54.95	0.00320	≤ -16.02	≤ 25.0	38.93
		2505.10	-55.83	1.11	-54.72	0.00337	≤ -26.02	≤ 2.5	28.70
		4881.24	-54.59	1.30	-53.29	0.00469	≤ -26.02	≤ 2.5	27.27
	2480	1013.30	-67.15	1.00	-66.15	0.00024	≤ -26.02	≤ 2.5	40.13
		1598.60	-67.23	1.04	-66.19	0.00024	≤ -26.02	≤ 2.5	40.17
		2381.65	-55.11	1.10	-54.01	0.00397	≤ -26.02	≤ 2.5	27.99
		2394.30	-54.68	1.10	-53.58	0.00438	≤ -16.02	≤ 25.0	37.56
		2484.34	-51.50	1.11	-50.39	0.00913	≤ -16.02	≤ 25.0	34.37
		2505.89	-54.50	1.11	-53.39	0.00458	≤ -26.02	≤ 2.5	27.37
		2516.49	-64.09	1.11	-62.98	0.00050	≤ -26.02	≤ 2.5	36.96
		4959.17	-54.68	1.31	-53.37	0.00460	≤ -26.02	≤ 2.5	27.35

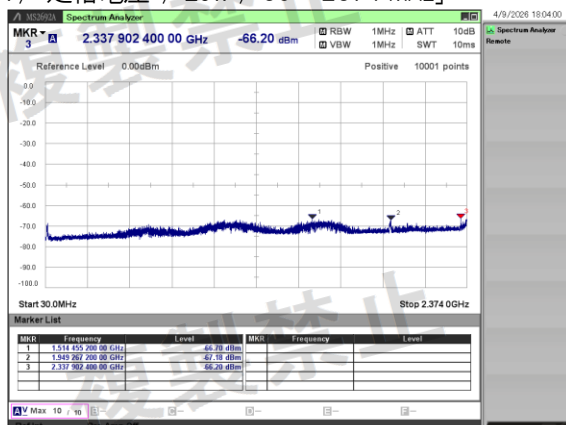
$$\text{Result [uW]} = 10^{\{(S/A \text{ Read. [dBm]} + C.F. [dB])/10\}} * 10^3$$

※ 1 GHz 未満は RBW : 1 MHz で実施した結果を記載

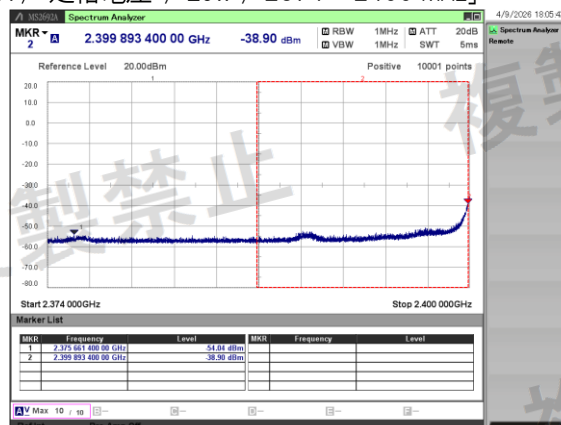
参照帯域幅 (RBW : 100 kHz) 当たりに換算した値、および RBW : 100 kHz で実施した結果を RBW : 1 MHz 当たりに換算した値については、上記結果より小さくなるため記載を省略

3.2. 測定器画面データ

[BR / 定格電圧 / Low / 30 - 2374 MHz]



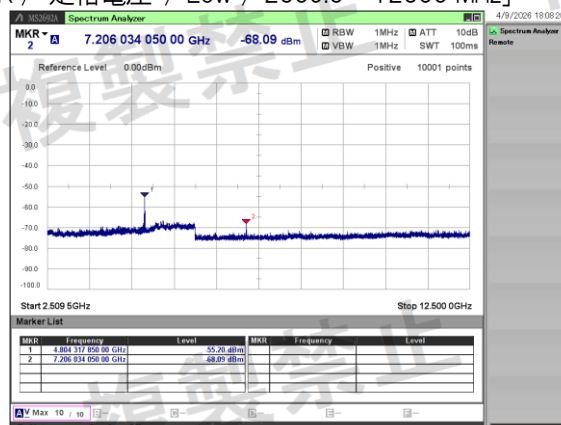
[BR / 定格電圧 / Low / 2374 - 2400 MHz]



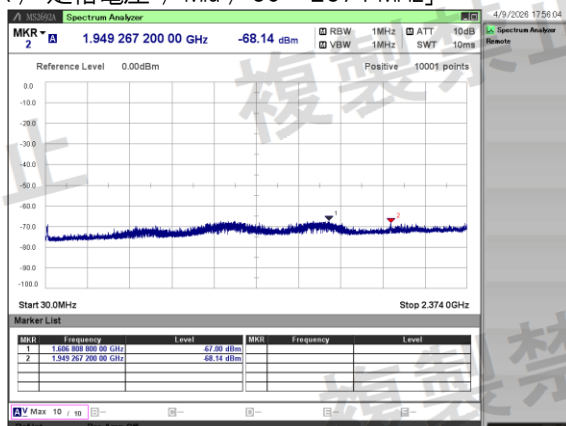
[BR / 定格電圧 / Low / 2483.5 - 2509.5 MHz]



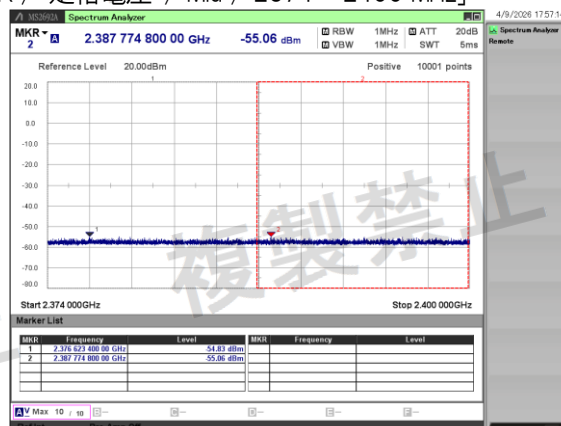
[BR / 定格電圧 / Low / 2509.5 - 12500 MHz]



[BR / 定格電圧 / Mid / 30 - 2374 MHz]



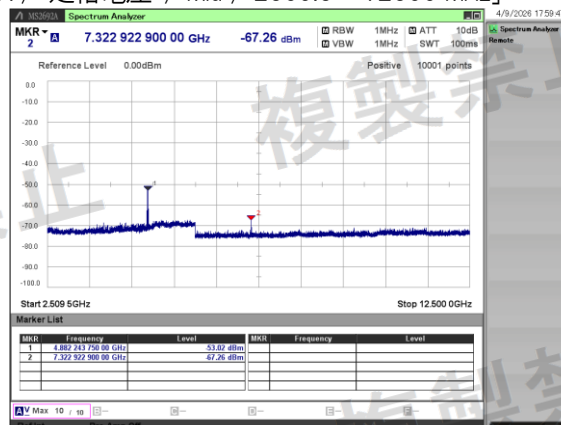
[BR / 定格電圧 / Mid / 2374 - 2400 MHz]



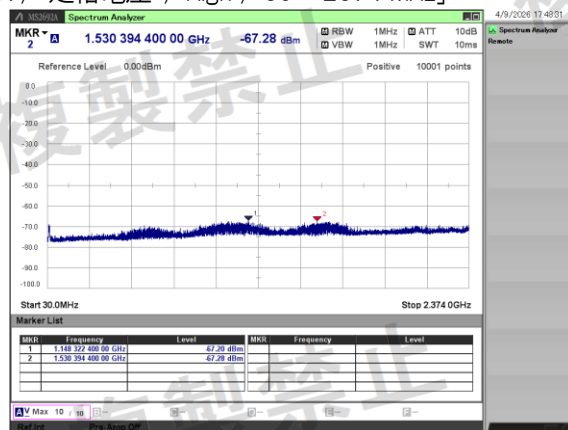
[BR / 定格電圧 / Mid / 2483.5 - 2509.5 MHz]



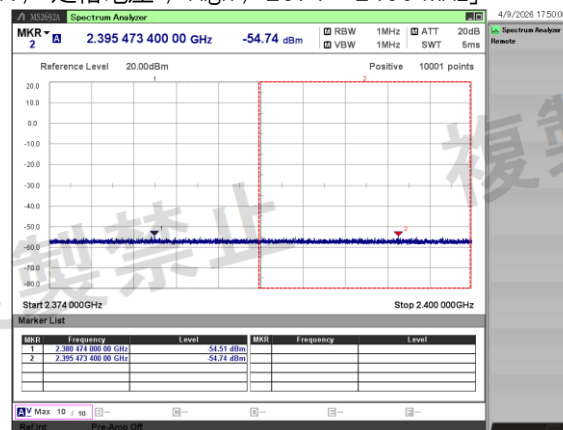
[BR / 定格電圧 / Mid / 2509.5 - 12500 MHz]



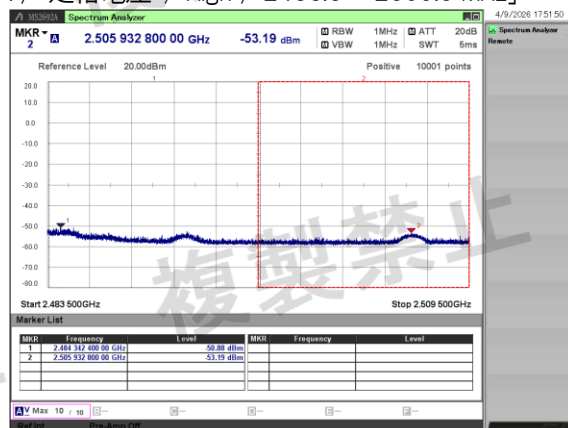
[BR / 定格電圧 / High / 30 - 2374 MHz]



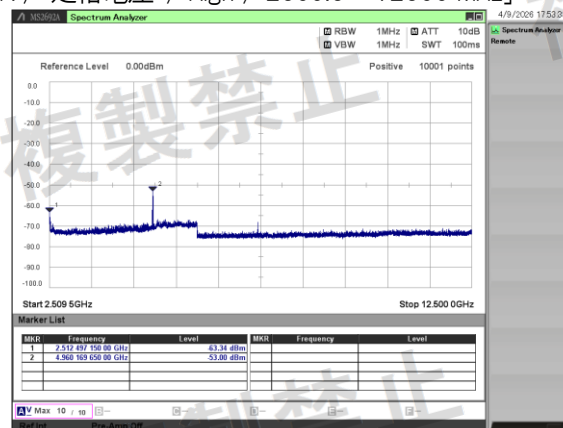
[BR / 定格電圧 / High / 2374 - 2400 MHz]



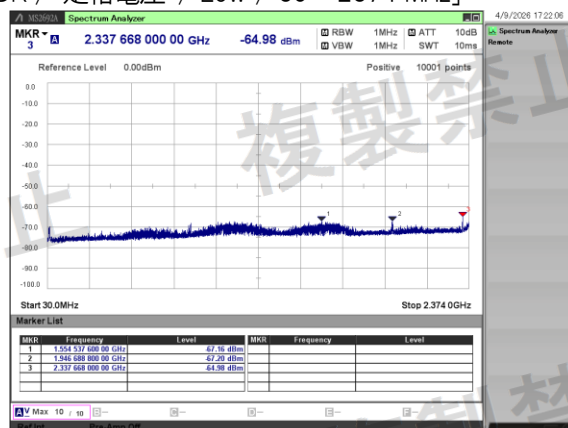
[BR / 定格電圧 / High / 2483.5 - 2509.5 MHz]



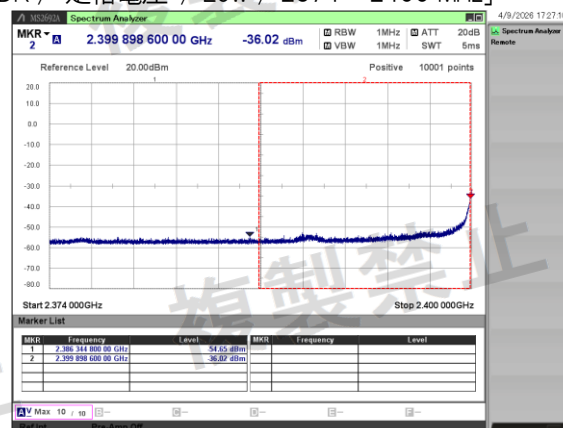
[BR / 定格電圧 / High / 2509.5 - 12500 MHz]



[EDR / 定格電圧 / Low / 30 - 2374 MHz]



[EDR / 定格電圧 / Low / 2374 - 2400 MHz]



[EDR / 定格電圧 / Low / 2483.5 - 2509.5 MHz]



[EDR / 定格電圧 / Low / 2509.5 - 12500 MHz]



[EDR / 定格電圧 / Mid / 30 - 2374 MHz]



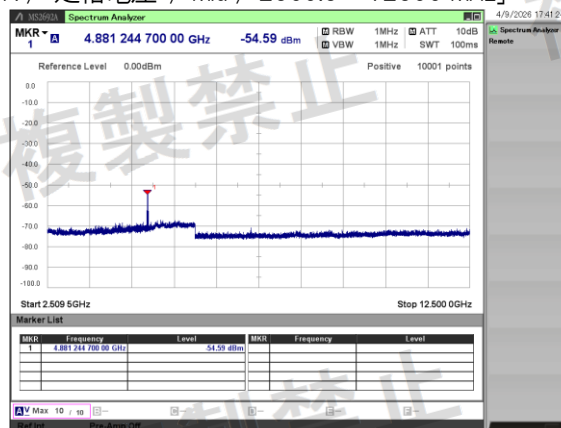
[EDR / 定格電圧 / Mid / 2374 - 2400 MHz]



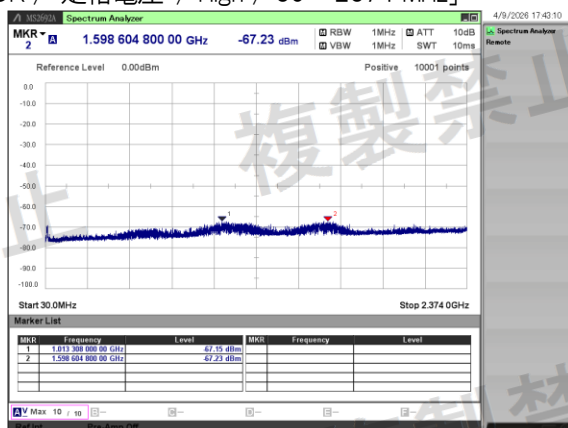
[EDR / 定格電圧 / Mid / 2483.5 - 2509.5 MHz]



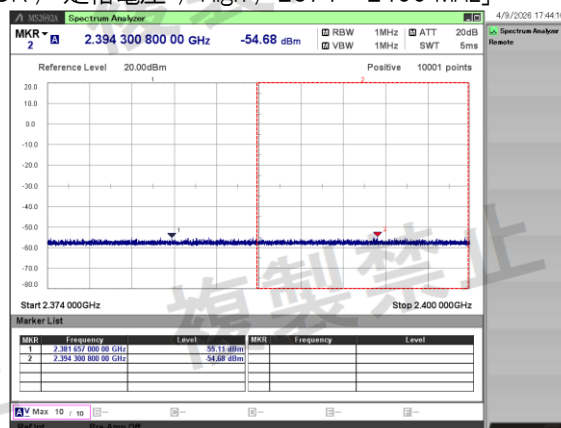
EDR / 定格電圧 / Mid / 2509.5 - 12500 MHz]



[EDR / 定格電圧 / High / 30 - 2374 MHz]



[EDR / 定格電圧 / High / 2374 - 2400 MHz]



[EDR / 定格電圧 / High / 2483.5 - 2509.5 MHz]



[EDR / 定格電圧 / High / 2509.5 - 12500 MHz]

