

4. 空中線電力の偏差

4.1. 試験結果

[BR]

Test Voltage	Channel [MHz]	S/A Read. [dBm]	C.F. [dB]	Spread BW [MHz]	Power [mW/MHz]	Power Limit [mW/MHz]	Tolerance [%]	Tolerance Limit [%]
DC 3.70 V	2402	4.10	1.10	71.042	0.0466	≤ 3.0000	-26.01	≤ +20
	2441	4.11	1.10	71.042	0.0467	≤ 3.0000	-25.84	≤ +20
	2480	3.86	1.11	71.042	0.0442	≤ 3.0000	-29.83	≤ +20
	* 20Hop	4.11	1.10	20.000	0.1659	≤ 3.0000	-33.62	≤ +20

[EDR]

Test Voltage	Channel [MHz]	S/A Read. [dBm]	C.F. [dB]	Spread BW [MHz]	Power [mW/MHz]	Power Limit [mW/MHz]	Tolerance [%]	Tolerance Limit [%]
DC 3.70 V	2402	1.41	1.10	71.226	0.0250	≤ 3.0000	-19.28	≤ +20
	2441	1.40	1.10	71.226	0.0250	≤ 3.0000	-19.46	≤ +20
	2480	1.18	1.11	71.226	0.0238	≤ 3.0000	-23.26	≤ +20
	* 20Hop	1.41	1.10	20.000	0.0891	≤ 3.0000	-25.73	≤ +20

Power [mW] = $10^{\{(S/A \text{ Read. [dBm]} + C.F. [dB])/10\}} / \text{Spread BW [MHz]}$

Tolerance [%] = $\text{Power [mW]} / \text{申請定格電力 [mW]} * 100 - 100$

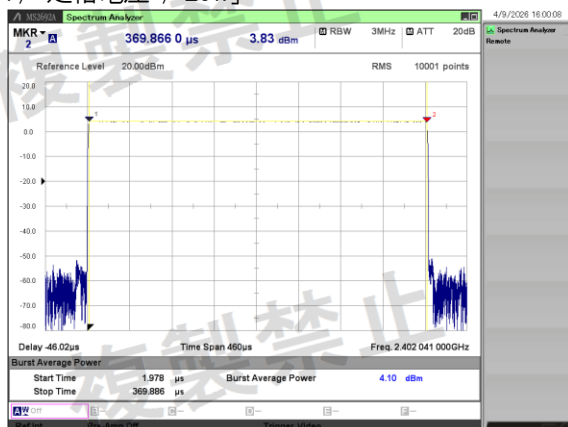
※ 20Hop の S/A Read. [dBm] は、各 Channel のワースト値を使用

4.2. ワーストモード確認

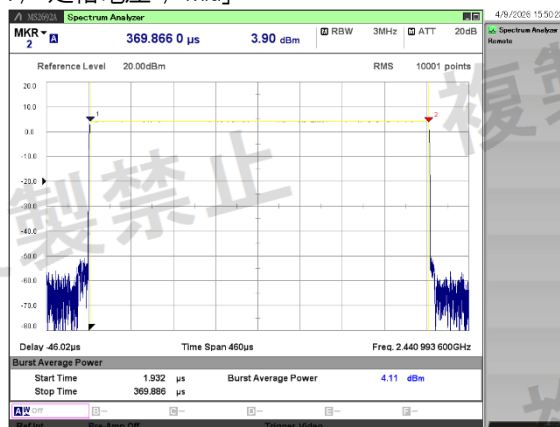
Mode	Channel [MHz]	S/A Read. [dBm]	C.F. [dB]	Power [dBm]	Power [mW]	Worst Mode
BR	DH1	2441	4.11	1.10	5.21	DH1
	DH3	2441	4.10	1.10	5.20	
	DH5	2441	4.10	1.10	5.20	
EDR	2DH1	2441	1.39	1.10	2.49	3DH1
	2DH3	2441	0.89	1.10	1.99	
	2DH5	2441	0.82	1.10	1.92	
	3DH1	2441	1.40	1.10	2.50	
	3DH3	2441	0.89	1.10	1.99	
	3DH5	2441	0.82	1.10	1.92	

4.3. 測定器画面データ

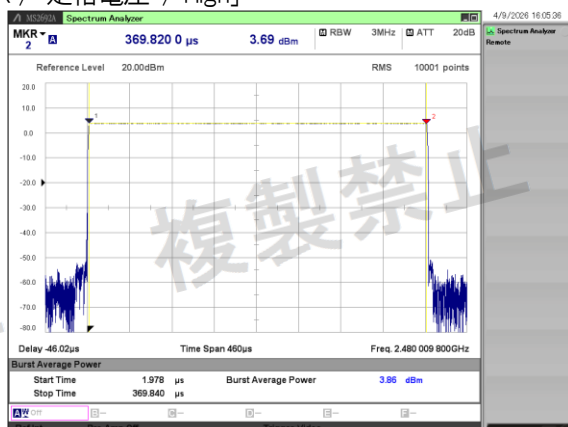
[BR / 定格電圧 / Low]



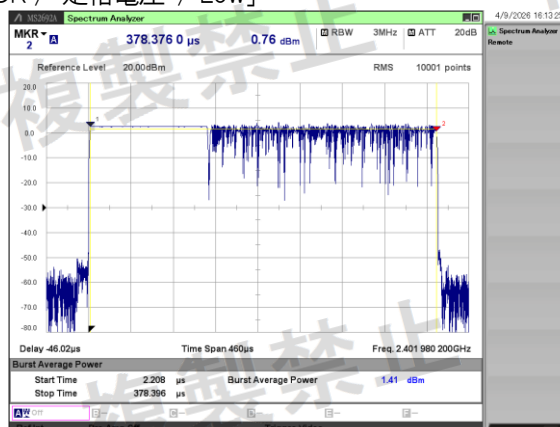
[BR / 定格電圧 / Mid]



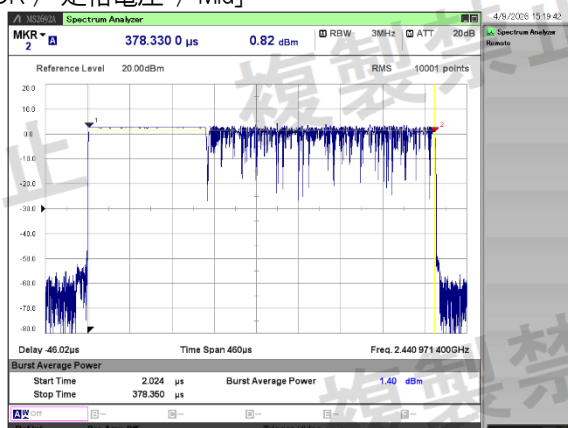
[BR / 定格電圧 / High]



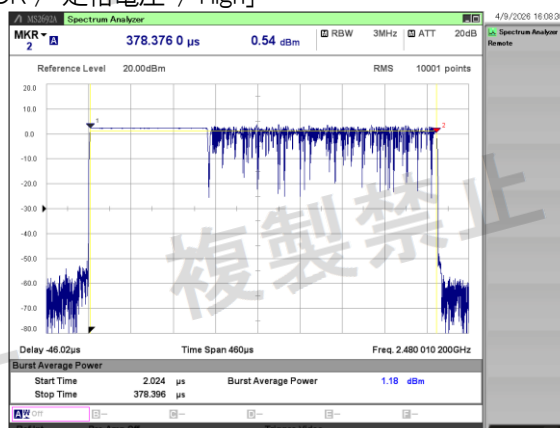
[EDR / 定格電圧 / Low]



[EDR / 定格電圧 / Mid]



[EDR / 定格電圧 / High]



5. 副次的に発する電波等の限度

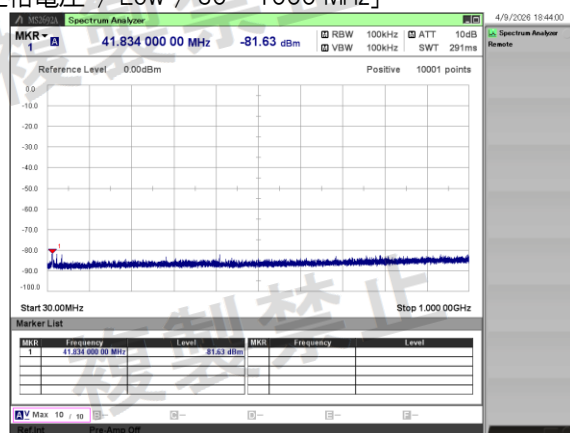
5.1. 試験結果

Test Voltage	Channel [MHz]	Frequency [MHz]	S/A Read. [dBm]	C.F. [dB]	Result [dBm]	Result [nW]	Limit [dBm]	Limit [nW]	Margin [dB]
DC 3.70 V	2402	41.83	-81.63	0.80	-80.83	0.00825	≤ -53.97	≤ 4.0	26.86
		5252.70	-67.24	1.32	-65.92	0.25580	≤ -46.98	≤ 20.0	18.94
	2441	41.54	-81.29	0.80	-80.49	0.00893	≤ -53.97	≤ 4.0	26.52
		828.98	-81.17	0.98	-80.19	0.00957	≤ -53.97	≤ 4.0	26.22
		5976.05	-67.40	1.36	-66.04	0.24877	≤ -46.98	≤ 20.0	19.06
	2480	41.54	-81.20	0.80	-80.40	0.00912	≤ -53.97	≤ 4.0	26.43
		5215.90	-67.31	1.32	-65.99	0.25206	≤ -46.98	≤ 20.0	19.01

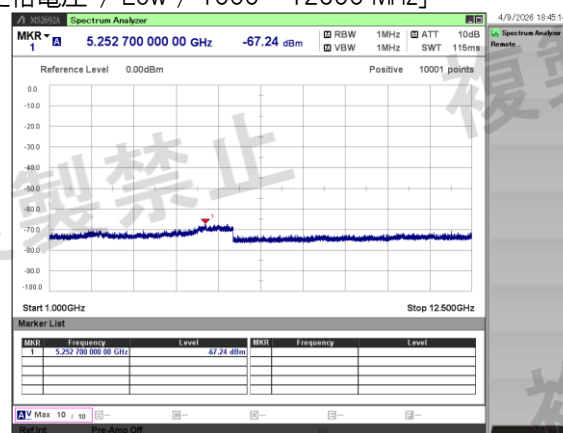
$$\text{Result [nW]} = 10^{\{(S/A \text{ Read. [dBm]} + C.F. [dB])/10\}} \times 10^6$$

5.2. 測定器画面データ

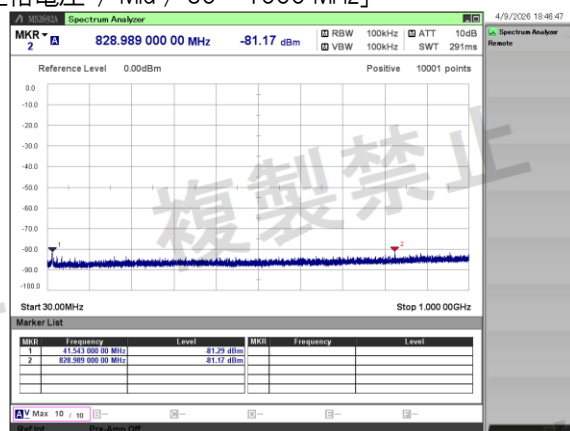
[定格電圧 / Low / 30 - 1000 MHz]



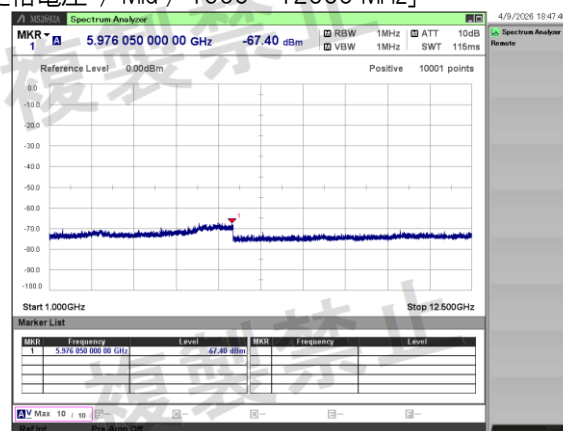
[定格電圧 / Low / 1000 - 12500 MHz]



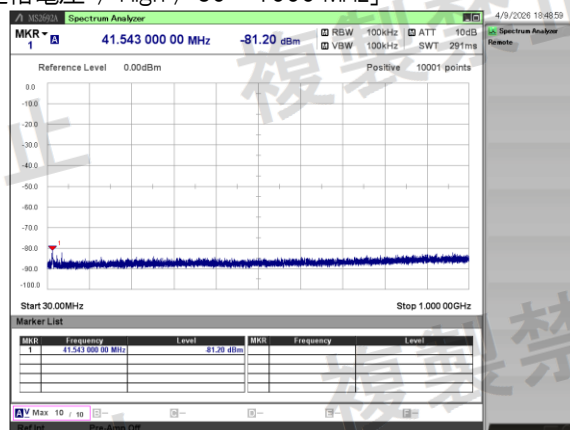
[定格電圧 / Mid / 30 - 1000 MHz]



[定格電圧 / Mid / 1000 - 12500 MHz]



[定格電圧 / High / 30 - 1000 MHz]



[定格電圧 / High / 1000 - 12500 MHz]



6. ホッピング周波数滞留時間

6.1. 試験結果

[BR]

Test Voltage	Mode	Channel [MHz]	ON Time [msec]	ON+OFF [msec]	送信速度に等しい周波数 [MHz]	Spread BW [MHz]	Hopping 数	Dwell Time [sec]	Limit [sec]
DC 3.70 V	DH1	2441	0.367	1.250	1.00	71.042	79	0.106	≤ 0.4
	DH3	2441	1.623	2.500	1.00	71.042	79	0.234	≤ 0.4
	DH5	2441	2.870	3.750	1.00	71.042	79	0.275	≤ 0.4

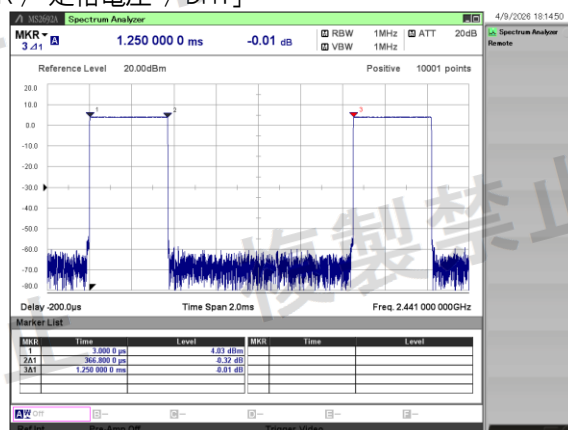
[EDR]

Test Voltage	Mode	Channel [MHz]	ON Time [msec]	ON+OFF [msec]	送信速度に等しい周波数 [MHz]	Spread BW [MHz]	Hopping 数	Dwell Time [sec]	Limit [sec]
DC 3.70 V	2DH1	2441	0.376	1.250	1.00	71.226	79	0.108	≤ 0.4
	2DH3	2441	1.625	2.500	1.00	71.226	79	0.234	≤ 0.4
	2DH5	2441	2.873	3.750	1.00	71.226	79	0.276	≤ 0.4
	3DH1	2441	0.376	1.250	1.00	71.226	79	0.108	≤ 0.4
	3DH3	2441	1.626	2.500	1.00	71.226	79	0.235	≤ 0.4
	3DH5	2441	2.875	3.750	1.00	71.226	79	0.276	≤ 0.4

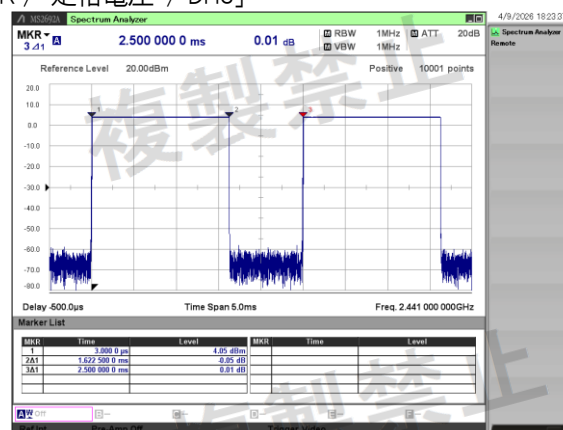
$$\text{Dwell Time [sec]} = 0.4 * (\text{Spread BW} / \text{送信速度に等しい周波数}) / (\text{ON+OFF [msec]} * \text{Hopping 数}) * \text{ON Time [msec]}$$

6.2. 測定器画面データ

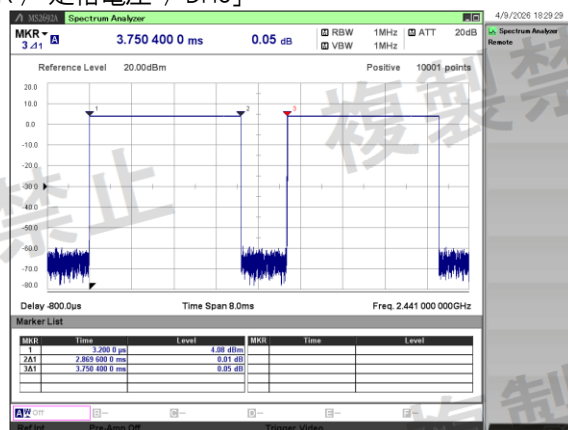
[BR / 定格電圧 / DH1]



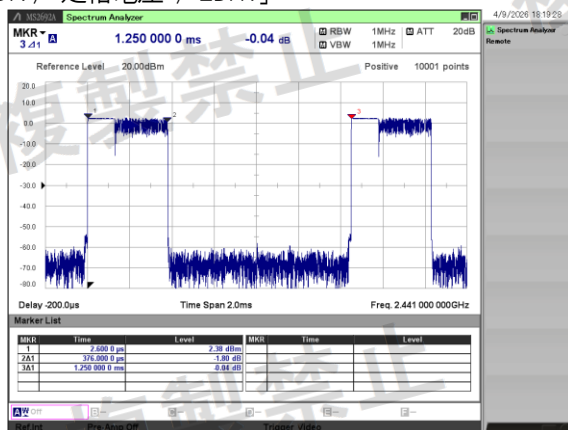
[BR / 定格電圧 / DH3]



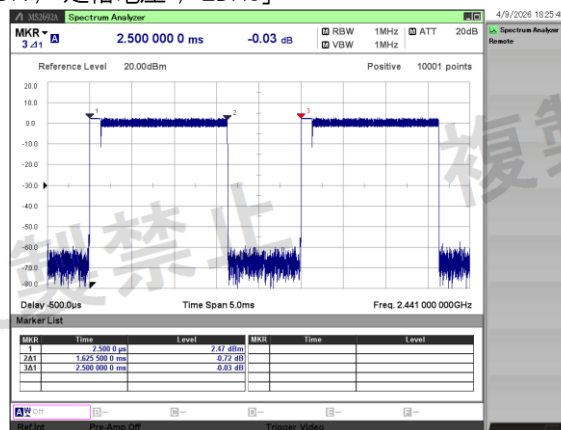
[BR / 定格電圧 / DH5]



[EDR / 定格電圧 / 2DH1]



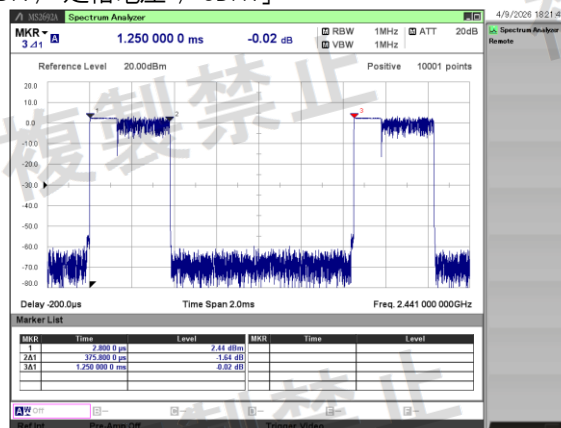
[EDR / 定格電圧 / 2DH3]



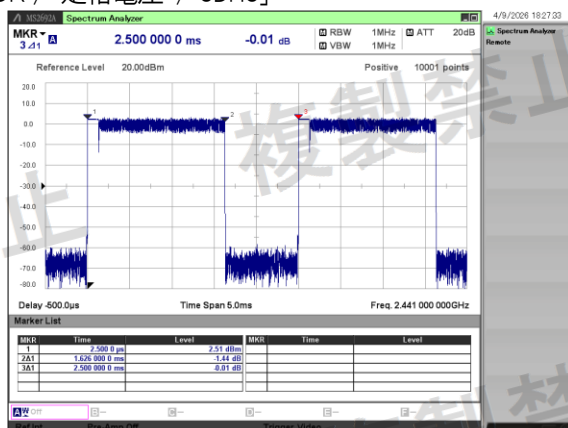
[EDR / 定格電圧 / 2DH5]



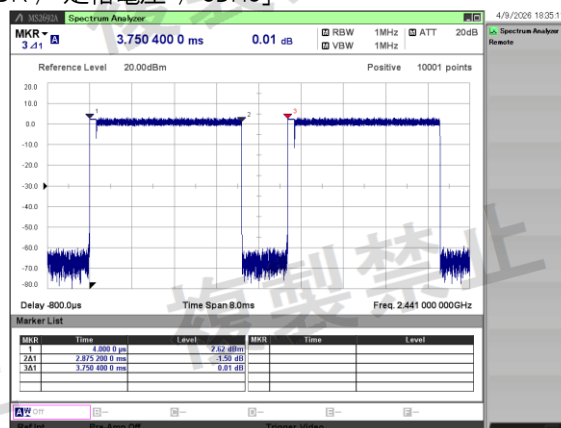
[EDR / 定格電圧 / 3DH1]



[EDR / 定格電圧 / 3DH3]



[EDR / 定格電圧 / 3DH5]



7. 混信防止機能

7.1. 試験結果

識別符号	58:18:62:67:D7:DC
良否判定	良

End of Test Report