

附錄一

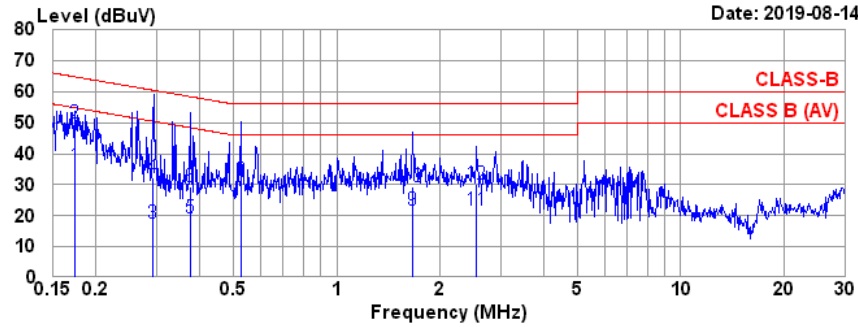
受測裝置之測試結果

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1. 電源線傳導干擾之量測

測試日期	2019/08/14	環境溫/濕度	27°C/55%
測試電壓	AC 110V/60Hz (透過筆記型電腦供電)		

Data: 10 File: D:\test data\REPORT\2019\C1M1907XXX\C1M1907043\C1M1907043-C-D.EM6 (10) Date: 2019-08-14



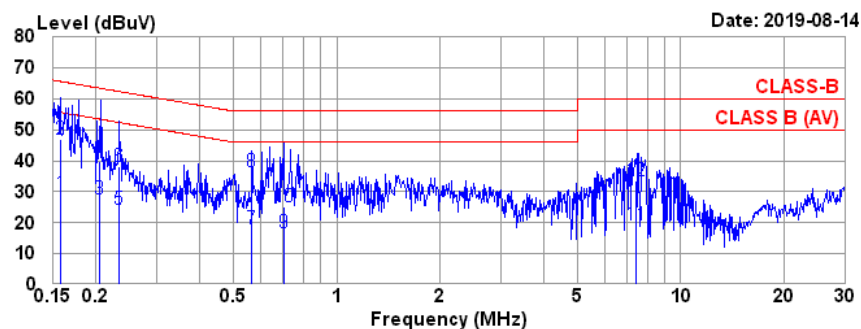
Site no. : No.7 Shielded Room Data no. : 10
 Condition : ESH2-Z5 366(ADAPTER) Phase : NEUTRAL
 Limit : CLASS-B
 Env. / Ins. : 27°C / 55% ESCI (1276) Engineer : Jemy Wang
 EUT : WW942051
 Power Rating : 110V/60Hz
 Test Mode : NORMAL

	Freq. (MHz)	AMN Factor (dB)	Cable Loss (dB)	Pulse Att. (dB)	Reading (dBμV)	Emission Level (dBμV)	Limits (dBμV)	Margin (dB)	Remark
1	0.174	0.16	0.04	9.86	25.82	35.88	54.77	18.89	Average
2	0.174	0.16	0.04	9.86	39.91	49.97	64.77	14.80	QP
3	0.291	0.17	0.03	9.86	7.55	17.61	50.49	32.88	Average
4	0.291	0.17	0.03	9.86	22.02	32.08	60.49	28.41	QP
5	0.375	0.17	0.04	9.86	9.36	19.43	48.39	28.96	Average
6	0.375	0.17	0.04	9.86	19.19	29.26	58.39	29.13	QP
7	0.527	0.18	0.04	9.86	18.16	28.24	46.00	17.76	Average
8	0.527	0.18	0.04	9.86	21.53	31.61	56.00	24.39	QP
9	1.662	0.22	0.06	9.86	11.64	21.78	46.00	24.22	Average
10	1.662	0.22	0.06	9.86	19.19	29.33	56.00	26.67	QP
11	2.554	0.25	0.08	9.86	11.40	21.59	46.00	24.41	Average
12	2.554	0.25	0.08	9.86	20.19	30.38	56.00	25.62	QP

Remarks: 1. Emission Level= AMN Factor + Cable Loss + Pulse Att. + Reading.
 2. If the average limit is met when using a quasi-peak detector,
 the EUT shall be deemed to meet both limits and measurement
 with average detector is unnecessary.

測試日期	2019/08/14	環境溫/濕度	27°C/55%
測試電壓	AC 110V/60Hz (透過筆記型電腦供電)		

Data: 9 File: D:\test data\REPORT\2019\C1M1907XXX\C1M1907043\C1M1907043-C-D.EM6 (10)

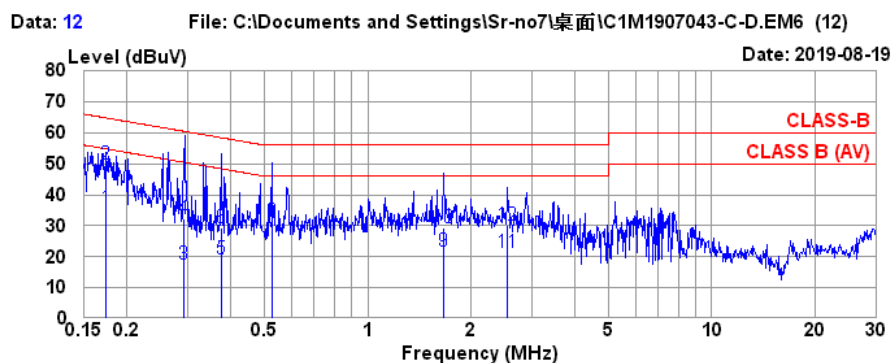


Site no. : No.7 Shielded Room Data no. : 9
Condition : ESH2-Z5 366(ADAPTER) Phase : LINE
Limit : CLASS-B
Env. / Ins. : 27°C / 55% ESCI (1276) Engineer : Jemy Wang
EUT : WW942051
Power Rating : 110V/60Hz
Test Mode : NORMAL

	Freq. (MHz)	AMN Factor (dB)	Cable Loss (dB)	Pulse Att. (dB)	Reading (dBuV)	Emission Level (dBuV)	Limits (dBuV)	Margin (dB)	Remark
1	0.157	0.06	0.04	9.86	19.39	29.35	55.60	26.25	Average
2	0.157	0.06	0.04	9.86	37.12	47.08	65.60	18.52	QP
3	0.205	0.06	0.03	9.86	17.53	27.48	53.39	25.91	Average
4	0.205	0.06	0.03	9.86	29.71	39.66	63.39	23.73	QP
5	0.234	0.06	0.03	9.86	14.19	24.14	52.30	28.16	Average
6	0.234	0.06	0.03	9.86	28.15	38.10	62.30	24.20	QP
7	0.565	0.09	0.04	9.86	8.23	18.22	46.00	27.78	Average
8	0.565	0.09	0.04	9.86	26.33	36.32	56.00	19.68	QP
9	0.701	0.10	0.05	9.86	6.96	16.97	46.00	29.03	Average
10	0.701	0.10	0.05	9.86	15.33	25.34	56.00	30.66	QP
11	7.440	0.28	0.13	9.88	8.82	19.11	50.00	30.89	Average
12	7.440	0.28	0.13	9.88	23.35	33.64	60.00	26.36	QP

Remarks: 1. Emission Level= AMN Factor + Cable Loss + Pulse Att. + Reading.
2. If the average limit is met when using a quasi-peak detector,
the EUT shall be deemed to meet both limits and measurement
with average detector is unnecessary.

測試日期	2019/08/19	環境溫/濕度	27°C/55%
測試電壓	AC 110V/60Hz (透過筆記型電腦供電)		

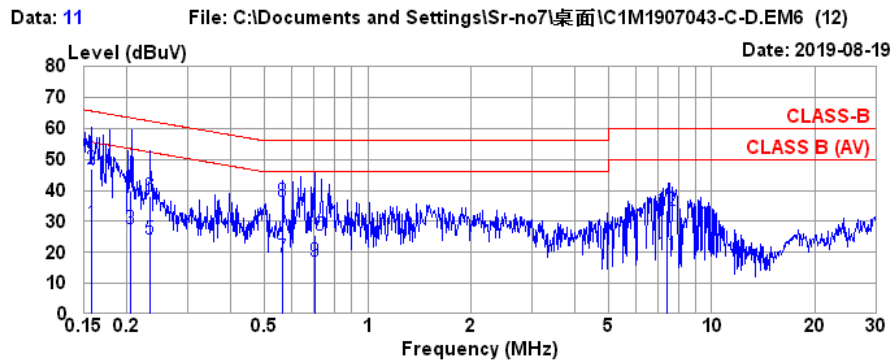


Site no. : No.7 Shielded Room Data no. : 12
 Condition : ESH2-Z5 366(ADAPTER) Phase : NEUTRAL
 Limit : CLASS-B
 Env. / Ins. : 27°C / 55% ESCI (1276) Engineer : Jemy Wang
 EUT : WW942051
 Power Rating : 110V/60Hz
 Test Mode : CHARGE

	Freq. (MHz)	ISN. Factor (dB)	Cable Loss (dB)	Pulse Att. (dB)	Reading (dBμV)	Emission Level (dBμV)	Limits (dBμV)	Margin (dB)	Remark
1	0.174	0.16	0.04	9.86	25.72	35.78	54.77	18.99	Average
2	0.174	0.16	0.04	9.86	39.81	49.87	64.77	14.90	QP
3	0.291	0.17	0.03	9.86	7.59	17.65	50.49	32.84	Average
4	0.291	0.17	0.03	9.86	22.06	32.12	60.49	28.37	QP
5	0.375	0.17	0.04	9.86	9.32	19.39	48.39	29.00	Average
6	0.375	0.17	0.04	9.86	19.15	29.22	58.39	29.17	QP
7	0.527	0.18	0.04	9.86	18.14	28.22	46.00	17.78	Average
8	0.527	0.18	0.04	9.86	21.51	31.59	56.00	24.41	QP
9	1.662	0.22	0.06	9.86	11.70	21.84	46.00	24.16	Average
10	1.662	0.22	0.06	9.86	19.25	29.39	56.00	26.61	QP
11	2.554	0.25	0.08	9.86	11.39	21.58	46.00	24.42	Average
12	2.554	0.25	0.08	9.86	20.18	30.37	56.00	25.63	QP

Remarks: 1. Emission Level= ISN. Factor + Cable Loss + Pulse Att. + Reading.
 2. If the average limit is met when using a quasi-peak detector,
 the EUT shall be deemed to meet both limits and measurement
 with average detector is unnecessary.

測試日期	2019/08/19	環境溫/濕度	27°C/55%
測試電壓	AC 110V/60Hz (透過筆記型電腦供電)		



Site no. : No.7 Shielded Room Data no. : 11
Condition : ESH2-Z5 366(ADAPTER) Phase : LINE
Limit : CLASS-B
Env. / Ins. : 27°C / 55% ESCI (1276) Engineer : Jemy Wang
EUT : WW942051
Power Rating : 110V/60Hz
Test Mode : CHARGE

	Freq. (MHz)	ISN. Factor (dB)	Cable Loss (dB)	Pulse Att. (dB)	Reading (dBμV)	Emission Level (dBμV)	Limits (dBμV)	Margin (dB)	Remark
1	0.157	0.06	0.04	9.86	19.37	29.33	55.60	26.27	Average
2	0.157	0.06	0.04	9.86	37.10	47.06	65.60	18.54	QP
3	0.205	0.06	0.03	9.86	17.52	27.47	53.39	25.92	Average
4	0.205	0.06	0.03	9.86	29.70	39.65	63.39	23.74	QP
5	0.234	0.06	0.03	9.86	14.21	24.16	52.30	28.14	Average
6	0.234	0.06	0.03	9.86	28.17	38.12	62.30	24.18	QP
7	0.565	0.09	0.04	9.86	8.26	18.25	46.00	27.75	Average
8	0.565	0.09	0.04	9.86	26.36	36.35	56.00	19.65	QP
9	0.701	0.10	0.05	9.86	6.98	16.99	46.00	29.01	Average
10	0.701	0.10	0.05	9.86	15.35	25.36	56.00	30.64	QP
11	7.440	0.28	0.13	9.88	8.81	19.10	50.00	30.90	Average
12	7.440	0.28	0.13	9.88	23.34	33.63	60.00	26.37	QP

Remarks: 1. Emission Level= ISN. Factor + Cable Loss + Pulse Att. + Reading.
2. If the average limit is met when using a quasi-peak detector,
the EUT shall be deemed to meet both limits and measurement
with average detector is unnecessary.

2. 場強輻射之量測

對受測物裝置(之其他不必要之發射(測至本地頻率之 10 次諧波)依下列測試模式分別於電波暗室內進行量測；受測物裝置有兩種供電模式分別為(1)電池(DC 7.2V)、(2)USB (DC 5V)，實驗室先兩種供電方式進行評估，再以較差之電池供電模式分別進行三種不同的擺設方式(平放、站立、側立)模式進行量試評估，最後選取最大場強值的擺設方式(站立)以低、中、高頻率來進行量測，並將下列測試模式之測試數據隨案件所附。另搭配)USB (DC 5V)執行充電模式，經評估充電模式不影響 1GHz 以上訊號結果，此模式僅呈現 30MHz-1GHz 測試結果於此份報告。所得讀值資料請見章節 2.1 ~2.2：

充電及 Normal 模式

模式	動作狀態	基本頻率	量測頻率範圍
---	充電	---	30-1000MHz
---	Normal	---	30-1000MHz
			1000-25000MHz

Wireless LAN 模式

支援 IEEE 802.11b/g/n，依測試要求評估低、中、高頻率，並檢附三頻率之最差模式於此測試報告中。

模式	動作狀態	基本頻率	量測頻率範圍
802.11b	發射	2412MHz(CH1)	1000-25000MHz
802.11g	發射	2412MHz (CH1)	1000-25000MHz
802.11n-HT20	發射	2412MHz(CH1)*	30-1000MHz
			1000-25000MHz
---	接收	2437MHz(CH6)	30-1000MHz
			1000-25000MHz

註:*: 經評估後，以最差頻率進行 30-1000MHz 量測。

BLE 測試模式

模式	動作狀態	基本頻率	量測頻率範圍
BLE	發射	2402MHz(CH37)	1000-25000MHz
	發射	2440MHz (CH17)	1000-25000MHz
	發射	2480MHz(CH39)*	30-1000MHz
			1000-25000MHz
	接收	2440MHz (CH17)	30-1000MHz
			1000-25000MHz

註:*: 經評估後，以最差頻率進行 30-1000MHz 量測。

對受測物裝置落於低功率射頻電機技術規範 LP0002 第 2.7 章節的禁用頻帶之混附發射以下列測試模式依規定分別進行量測，所得量測資料請見章節 2.3。

模式	動作狀態	基本頻率	量測頻率範圍
802.11b	發射	2412MHz (CH1)	2310-2430MHz
		2462MHz (CH11)	2450-2530MHz
802.11g	發射	2412MHz (CH1)	2310-2430MHz
		2462MHz (CH11)	2450-2530MHz
802.11n-HT20	發射	2412MHz (CH1)	2310-2430MHz
		2462MHz (CH11)	2450-2530MHz
BLE	發射	2402MHz (CH37)	2310-2430MHz
		2480MHz (CH39)	2450-2530MHz

測試日期	2019/08/15	環境溫/濕度	23 ~ 24°C/47 ~ 60%
測試電壓	(1)AC 110V/60Hz (透過筆記型電腦供電) (2)DC 7.2V (透過鋰電池供電)		

2.1. 30-1000MHz 頻率範圍，其他不必要發射量測

Mode	充電	Frequency	---
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Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
32.91	23.50	0.47	32.90	28.56	40.00	11.44	Peak
206.54	16.54	1.27	42.25	32.42	43.50	11.08	Peak
276.38	19.14	1.50	39.84	32.98	46.00	13.02	Peak
416.06	22.56	1.90	35.38	31.56	46.00	14.44	Peak
827.34	26.63	2.88	36.28	37.28	46.00	8.72	Peak
967.99	27.67	3.19	35.77	38.49	54.00	15.51	Peak

Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
32.91	23.50	0.47	37.63	33.29	40.00	6.71	Peak
159.98	16.40	1.10	42.40	32.09	43.50	11.41	Peak
484.93	23.45	2.07	39.28	36.15	46.00	9.85	Peak
666.32	25.30	2.52	38.04	37.06	46.00	8.94	Peak
830.25	26.65	2.89	39.22	40.26	46.00	5.74	Peak
999.03	27.88	3.27	32.31	35.41	54.00	18.59	Peak

Mode	Normal	Frequency	---
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Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
30.00	25.23	0.45	1.20	26.88	40.00	13.12	Peak
216.24	17.04	1.31	12.93	31.28	46.00	14.72	Peak
332.64	20.56	1.66	16.43	38.65	46.00	7.35	Peak
593.57	24.66	2.36	15.82	42.84	46.00	3.16	Peak
890.39	27.12	3.00	6.38	36.50	46.00	9.50	Peak
998.06	27.86	3.27	6.02	37.15	54.00	16.85	Peak

Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
33.88	22.90	0.48	11.68	35.06	40.00	4.94	Peak
65.89	12.36	0.68	20.99	34.03	40.00	5.97	Peak
108.57	17.70	0.88	13.04	31.62	43.50	11.88	Peak
593.57	24.66	2.36	14.27	41.29	46.00	4.71	Peak
890.39	27.12	3.00	6.56	36.68	46.00	9.32	Peak
997.09	27.86	3.26	3.78	34.90	54.00	19.10	Peak

● Wireless LAN 模式

Mode	802.11n-HT20	Frequency	TX 2412MHz
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Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
31.94	24.03	0.47	-0.30	24.20	40.00	15.80	Peak
111.48	17.90	0.90	0.47	19.27	43.50	24.23	Peak
591.63	24.63	2.36	0.99	27.98	46.00	18.02	Peak
729.37	25.83	2.66	4.59	33.08	46.00	12.92	Peak
799.21	26.39	2.83	2.01	31.23	46.00	14.77	Peak
998.06	27.86	3.27	0.93	32.06	54.00	21.94	Peak

Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
30.97	24.63	0.46	0.04	25.13	40.00	14.87	Peak
124.09	18.29	0.95	10.42	29.66	43.50	13.84	Peak
238.55	18.10	1.38	8.12	27.60	46.00	18.40	Peak
333.61	20.59	1.66	8.12	30.37	46.00	15.63	Peak
580.96	24.53	2.33	1.63	28.49	46.00	17.51	Peak
992.24	27.83	3.25	0.47	31.55	54.00	22.45	Peak

Mode	Wireless LAN	Frequency	RX 2437MHz
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Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
30.97	24.63	0.46	-0.67	24.42	40.00	15.58	Peak
118.27	18.38	0.92	0.48	19.78	43.50	23.72	Peak
416.06	22.56	1.90	0.54	25.00	46.00	21.00	Peak
729.37	25.83	2.66	2.38	30.87	46.00	15.13	Peak
923.37	27.35	3.08	-0.18	30.25	46.00	15.75	Peak
998.06	27.86	3.27	0.06	31.19	54.00	22.81	Peak

Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
30.97	24.63	0.46	0.49	25.58	40.00	14.42	Peak
162.89	16.23	1.11	10.33	27.67	43.50	15.83	Peak
331.67	20.52	1.66	7.61	29.79	46.00	16.21	Peak
584.84	24.57	2.34	1.78	28.69	46.00	17.31	Peak
866.14	26.93	2.96	1.56	31.45	46.00	14.55	Peak
997.09	27.86	3.26	0.54	31.66	54.00	22.34	Peak

● BLE 測試模式

Mode	BLE	Frequency	TX 2480MHz
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Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
30.00	25.23	0.45	-2.68	23.00	40.00	17.00	Peak
127.97	18.11	0.97	-0.24	18.84	43.50	24.66	Peak
410.24	22.48	1.89	0.44	24.81	46.00	21.19	Peak
668.26	25.32	2.52	0.03	27.87	46.00	18.13	Peak
947.62	27.53	3.14	0.21	30.88	46.00	15.12	Peak
998.06	27.86	3.27	2.10	33.23	54.00	20.77	Peak

Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
31.94	24.03	0.47	-0.58	23.92	40.00	16.08	Peak
164.83	16.10	1.12	8.74	25.96	43.50	17.54	Peak
237.58	18.06	1.38	7.63	27.07	46.00	18.93	Peak
486.87	23.47	2.08	1.05	26.60	46.00	19.40	Peak
914.64	27.31	3.06	0.59	30.96	46.00	15.04	Peak
992.24	27.83	3.25	-0.62	30.46	54.00	23.54	Peak

Mode	BLE	Frequency	RX 2440MHz
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Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
30.97	24.63	0.46	-0.27	24.82	40.00	15.18	Peak
116.33	18.24	0.92	1.54	20.70	43.50	22.80	Peak
470.38	23.27	2.04	0.13	25.44	46.00	20.56	Peak
631.40	25.01	2.45	0.96	28.42	46.00	17.58	Peak
948.59	27.53	3.14	0.74	31.41	46.00	14.59	Peak
999.03	27.88	3.27	0.54	31.69	54.00	22.31	Peak

Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
30.00	25.23	0.45	-0.42	25.26	40.00	14.74	Peak
121.18	18.43	0.94	7.05	26.42	43.50	17.08	Peak
333.61	20.59	1.66	4.90	27.15	46.00	18.85	Peak
564.47	24.36	2.28	0.62	27.26	46.00	18.74	Peak
781.75	26.26	2.79	0.64	29.69	46.00	16.31	Peak
987.39	27.79	3.24	0.32	31.35	54.00	22.65	Peak

2.2. 1000MHz 以上頻率範圍，其他不必要發射量測

頻率範圍量測至主波發射的 10 倍諧波，其他未列在報告上乃因訊號太小無法量測。

● Normal 模式

Mode	Normal	Frequency	---
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Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
2266.00	32.20	8.13	4.14	44.47	54.00	9.53	Peak

Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
2082.00	31.73	8.07	4.38	44.18	54.00	9.82	Peak

● Wireless LAN 模式

Mode	802.11b	Frequency	TX 2412MHz
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Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
4825.00	34.00	10.33	-1.15	43.18	54.00	10.82	Peak
7235.00	35.70	11.94	-2.94	44.70	54.00	9.30	Peak

Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
4825.00	34.00	10.33	-0.56	43.77	54.00	10.23	Peak
7235.00	35.70	11.94	-2.09	45.55	54.00	8.45	Peak

Mode	802.11g	Frequency	TX 2412MHz
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Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
4825.00	34.00	10.33	-2.06	42.27	54.00	11.73	Peak
7235.00	35.70	11.94	-3.07	44.57	54.00	9.43	Peak

Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
4825.00	34.00	10.33	-2.14	42.19	54.00	11.81	Peak
7235.00	35.70	11.94	-2.83	44.81	54.00	9.19	Peak

Mode	802.11n-HT20	Frequency	TX 2412MHz
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Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
4825.00	34.00	10.33	-2.11	42.22	54.00	11.78	Peak
7235.00	35.70	11.94	-3.01	44.63	54.00	9.37	Peak

Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
4825.00	34.00	10.33	-2.89	41.44	54.00	12.56	Peak
7235.00	35.70	11.94	-3.97	43.67	54.00	10.33	Peak

Mode	---	Frequency	RX 2437MHz
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Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
1760.00	30.50	7.61	7.02	45.13	54.00	8.87	Peak

Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
1770.00	30.50	7.61	8.29	46.40	54.00	7.60	Peak

● BLE 測試模式

Mode	BLE	Frequency	TX 2402MHz
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Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
4805.00	33.90	10.32	-1.63	42.59	54.00	11.41	Peak
7205.00	35.70	11.91	-2.76	44.85	54.00	9.15	Peak

Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
4805.00	33.90	10.32	-1.98	42.24	54.00	11.76	Peak
7205.00	35.70	11.91	-3.15	44.46	54.00	9.54	Peak

Mode	BLE	Frequency	TX 2440MHz
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Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
4880.00	34.37	10.38	-1.75	43.00	54.00	11.00	Peak
7320.00	35.90	12.02	-3.12	44.80	54.00	9.20	Peak

Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
4880.00	34.37	10.38	-1.76	42.99	54.00	11.01	Peak
7320.00	35.90	12.02	-2.92	45.00	54.00	9.00	Peak

Mode	BLE	Frequency	TX 2480MHz
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Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
4960.00	34.27	10.46	-0.69	44.04	54.00	9.96	Peak
7440.00	35.90	12.12	-2.58	45.44	54.00	8.56	Peak

Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
4960.00	34.27	10.46	0.06	44.79	54.00	9.21	Peak
7440.00	35.90	12.12	-1.23	46.79	54.00	7.21	Peak

Mode	BLE	Frequency	RX2440MHz
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Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
2482.00	32.57	8.20	4.99	45.76	54.00	8.24	Peak

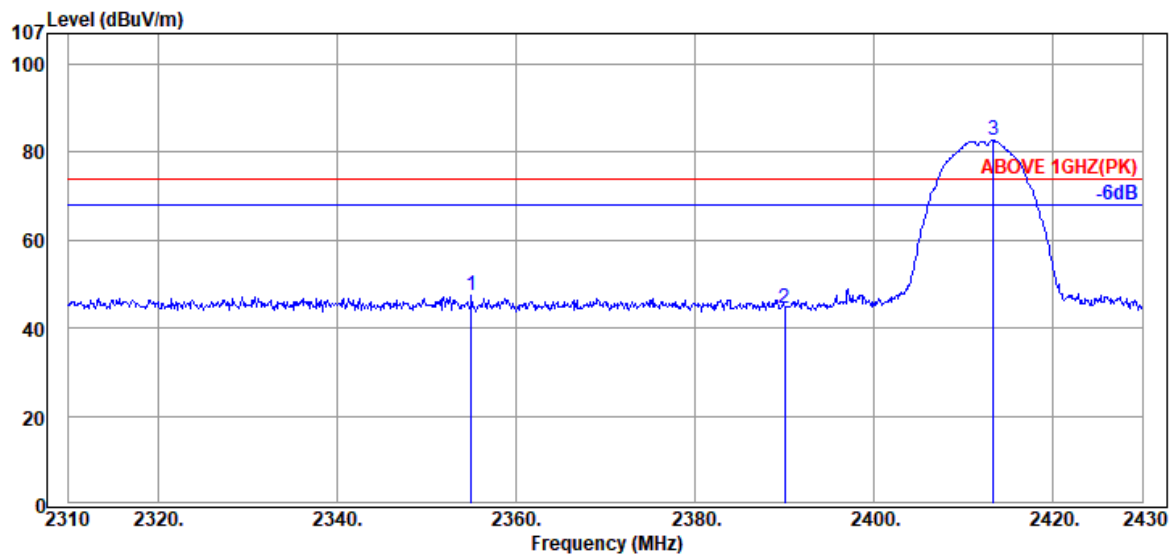
Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
2486.00	32.57	8.20	4.42	45.19	54.00	8.81	Peak

2.3. 禁用頻帶量測結果 (其他不必要發射)

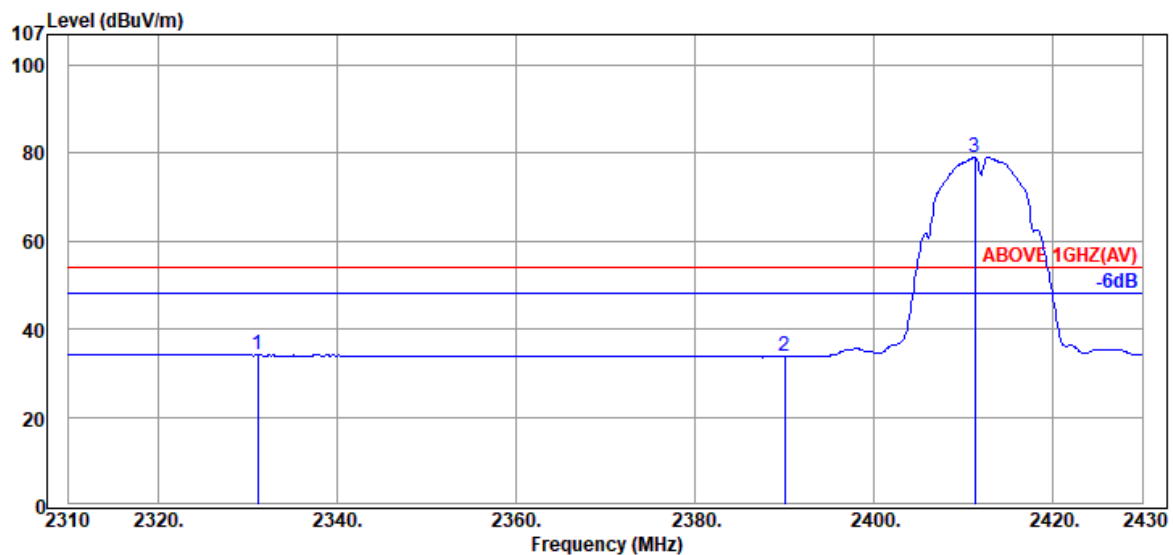
● Wireless LAN 模式

Mode	802.11b	Frequency	TX 2412MHz
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Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
2355.00	32.00	8.16	7.37	47.53	74.00	26.47	Peak
2390.04	32.00	8.17	4.28	44.45	74.00	29.55	Peak
@ 2413.32	32.23	8.18	42.23	82.64	---	---	Peak

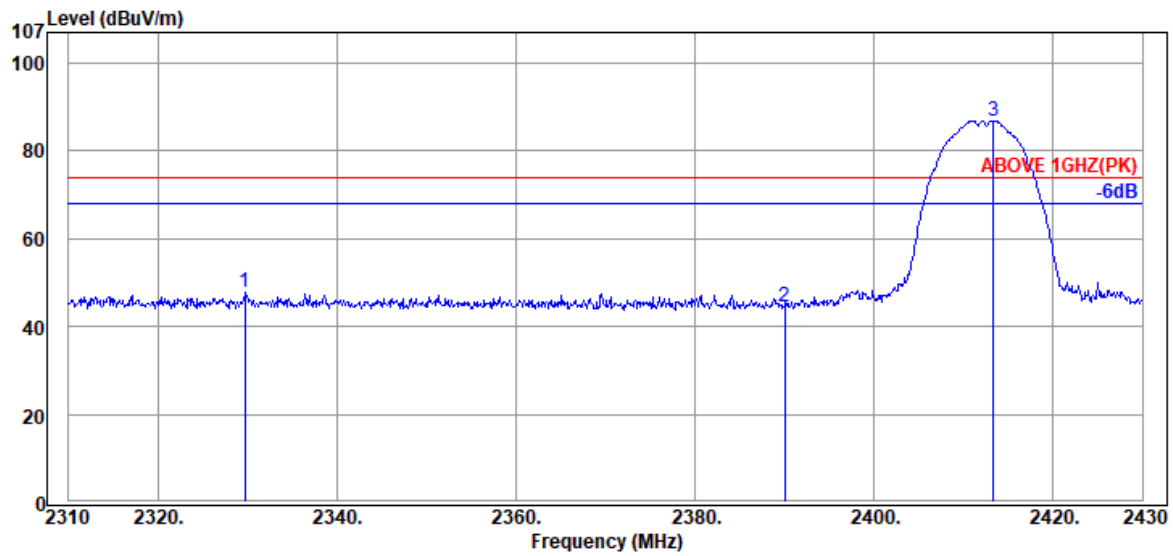


Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
2331.12	32.00	8.15	-6.10	34.05	54.00	19.95	Average
2390.04	32.00	8.17	-6.48	33.69	54.00	20.31	Average
@ 2411.28	32.23	8.18	38.79	79.20	---	---	Average

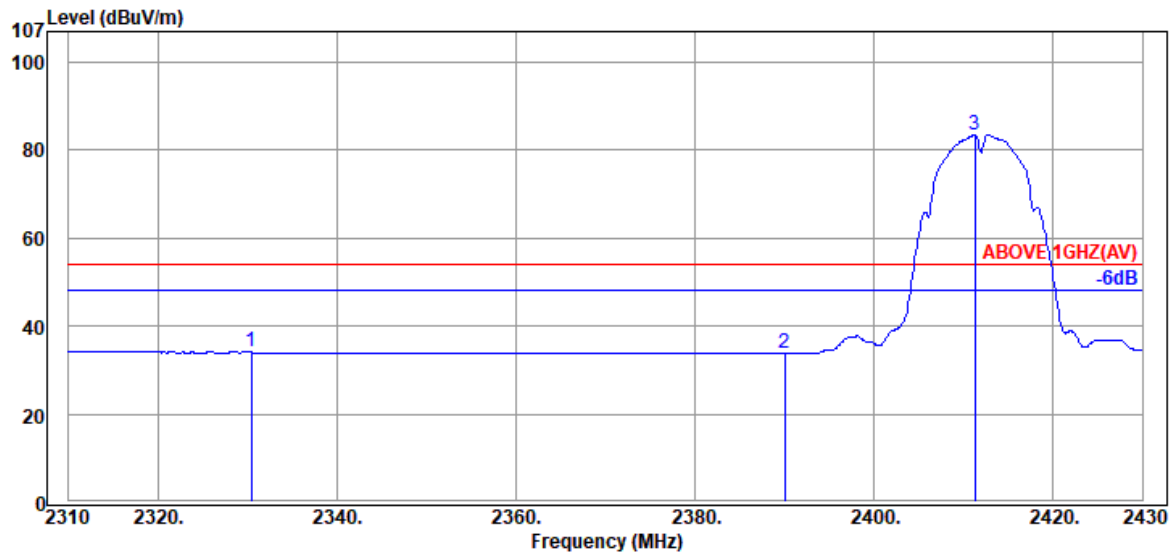
備註：“@”為主波，在此章節是不予以判定。

Mode	802.11b	Frequency	TX 2412MHz
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Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBUV)	Emission Level (dBUV/m)	Limits (dBUV/m)	Margin (dB)	Detector
2329.68	32.00	8.15	7.47	47.62	74.00	26.38	Peak
2390.04	32.00	8.17	4.30	44.47	74.00	29.53	Peak
@ 2413.32	32.23	8.18	46.50	86.91	---	---	Peak

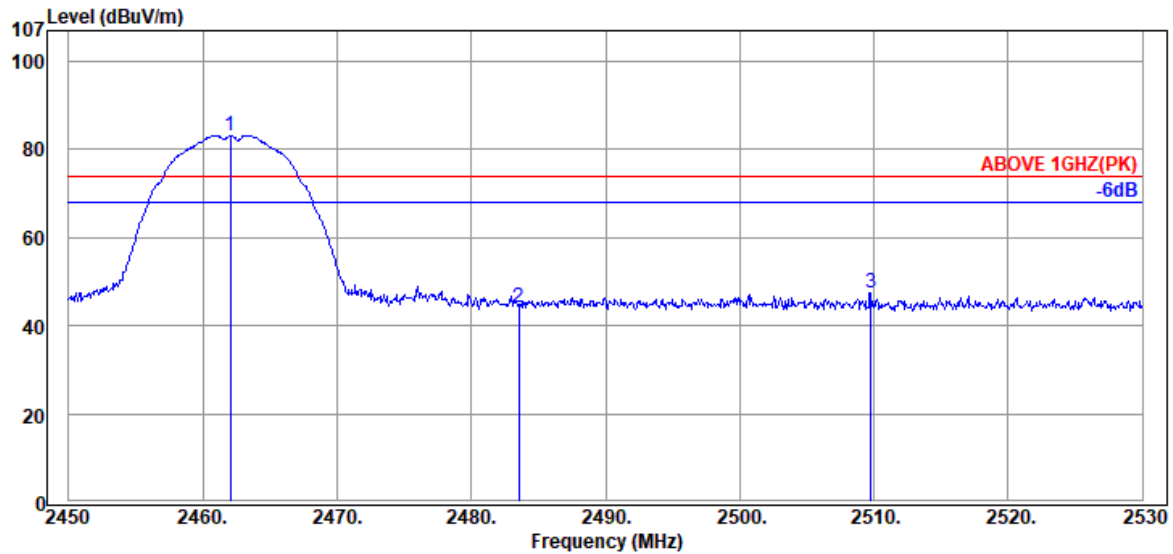


Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBUV)	Emission Level (dBUV/m)	Limits (dBUV/m)	Margin (dB)	Detector
2330.40	32.00	8.15	-6.11	34.04	54.00	19.96	Average
2390.04	32.00	8.17	-6.39	33.78	54.00	20.22	Average
@ 2411.28	32.23	8.18	43.23	83.64	---	---	Average

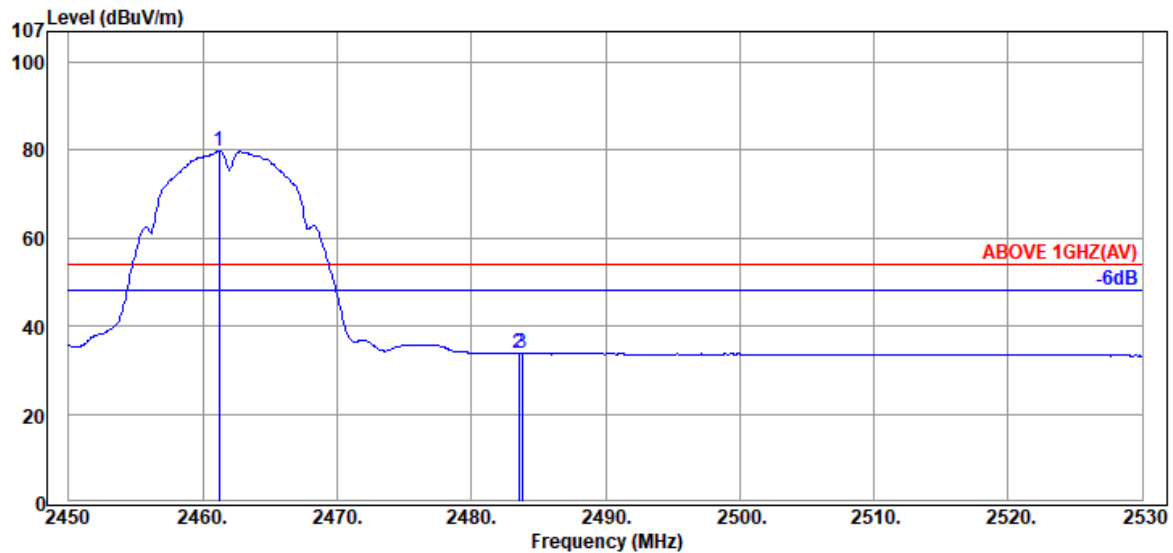
備註：“@”為主波，在此章節是不予以判定。

Mode	802.11b	Frequency	TX 2462MHz
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Antenna at Horizontal Polarization

	Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@	2462.08	32.63	8.20	42.42	83.25	---	---	Peak
	2483.52	32.57	8.20	3.21	43.98	74.00	30.02	Peak
	2509.76	32.30	8.22	6.86	47.38	74.00	26.62	Peak

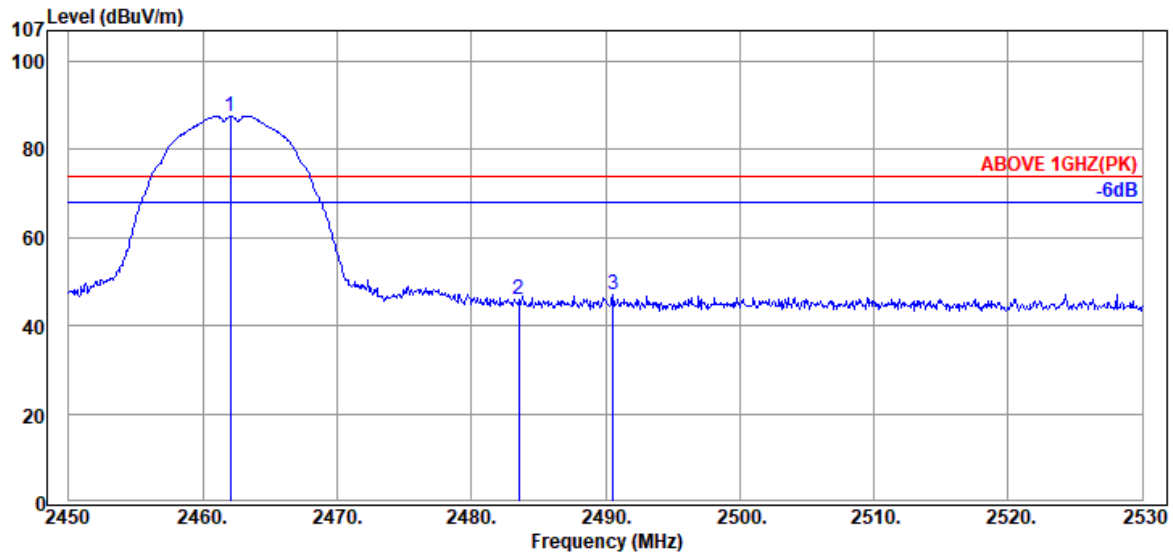


Antenna at Horizontal Polarization

	Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@	2461.20	32.63	8.20	39.00	79.83	---	---	Average
	2483.52	32.57	8.20	-7.02	33.75	54.00	20.25	Average
	2483.76	32.57	8.20	-7.01	33.76	54.00	20.24	Average

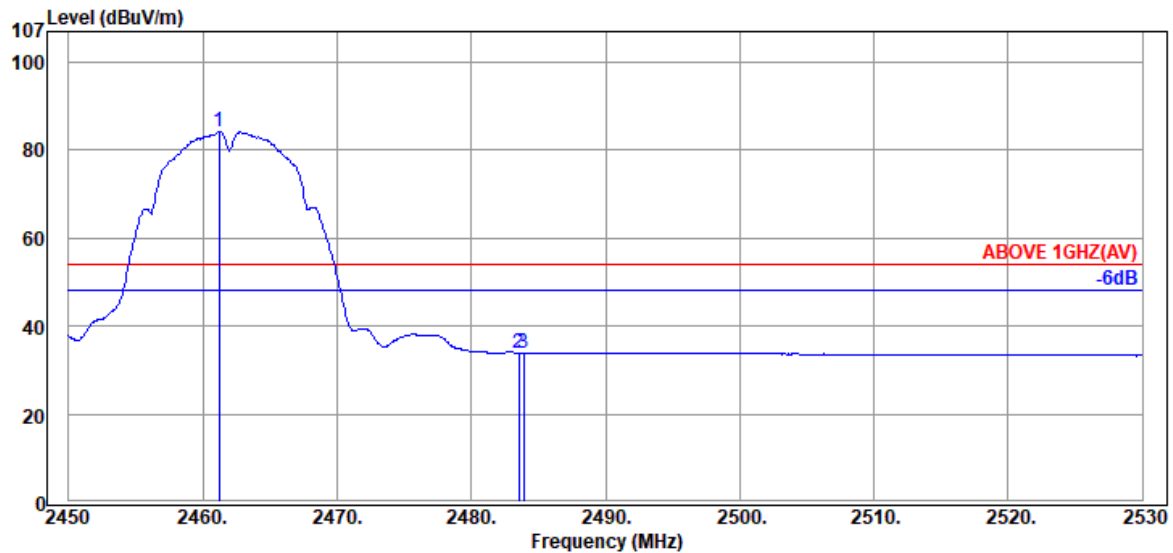
備註：“@”為主波，在此章節是不予以判定。

Mode	802.11b	Frequency	TX 2462MHz
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Antenna at Vertical Polarization

	Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@	2462.08	32.63	8.20	46.76	87.59	---	---	Peak
	2483.52	32.57	8.20	5.28	46.05	74.00	27.95	Peak
	2490.56	32.50	8.21	6.27	46.98	74.00	27.02	Peak

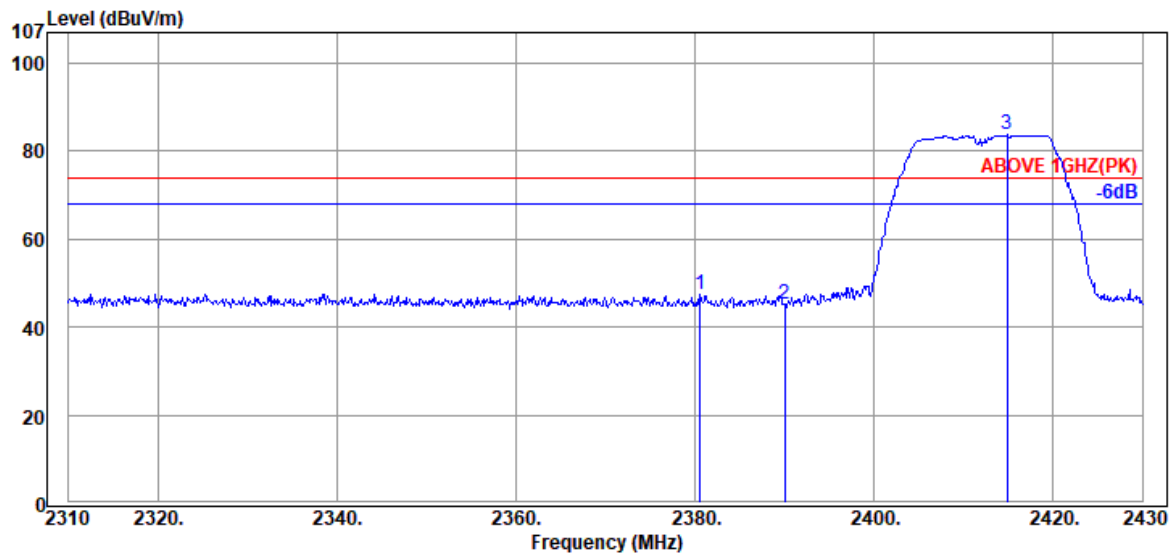


Antenna at Vertical Polarization

	Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@	2461.20	32.63	8.20	43.38	84.21	---	---	Average
	2483.52	32.57	8.20	-6.80	33.97	54.00	20.03	Average
	2483.92	32.57	8.20	-6.88	33.89	54.00	20.11	Average

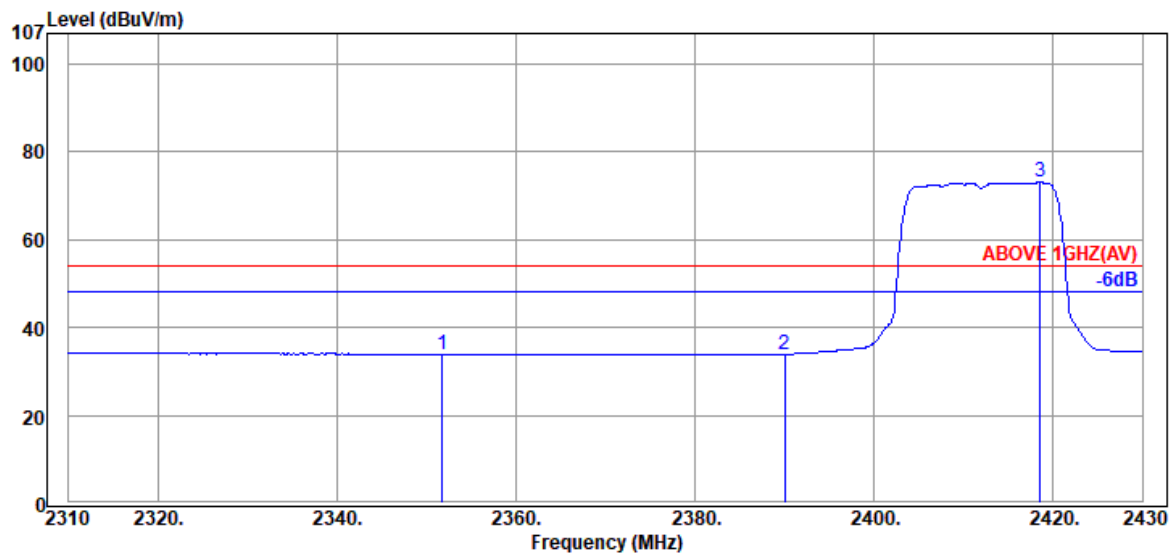
備註：“@”為主波，在此章節是不予以判定。

Mode	802.11g	Frequency	TX 2412MHz
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Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
2380.56	32.00	8.17	7.20	47.37	74.00	26.63	Peak
2390.04	32.00	8.17	5.19	45.36	74.00	28.64	Peak
@ 2414.88	32.23	8.18	43.25	83.66	---	---	Peak

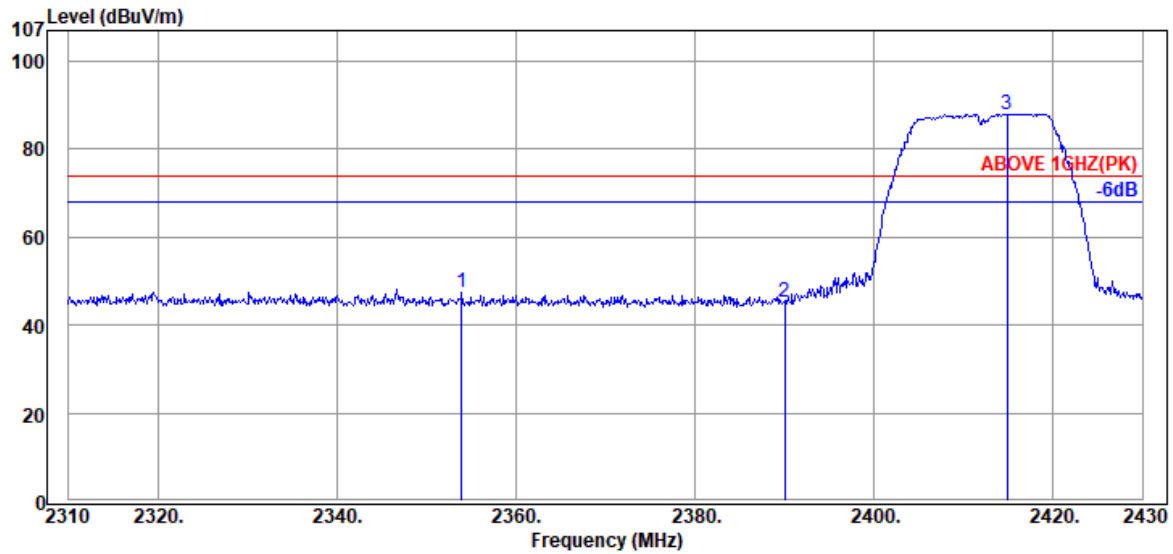


Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
2351.76	32.00	8.16	-6.20	33.96	54.00	20.04	Average
2390.04	32.00	8.17	-6.27	33.90	54.00	20.10	Average
@ 2418.60	32.23	8.18	32.65	73.06	---	---	Average

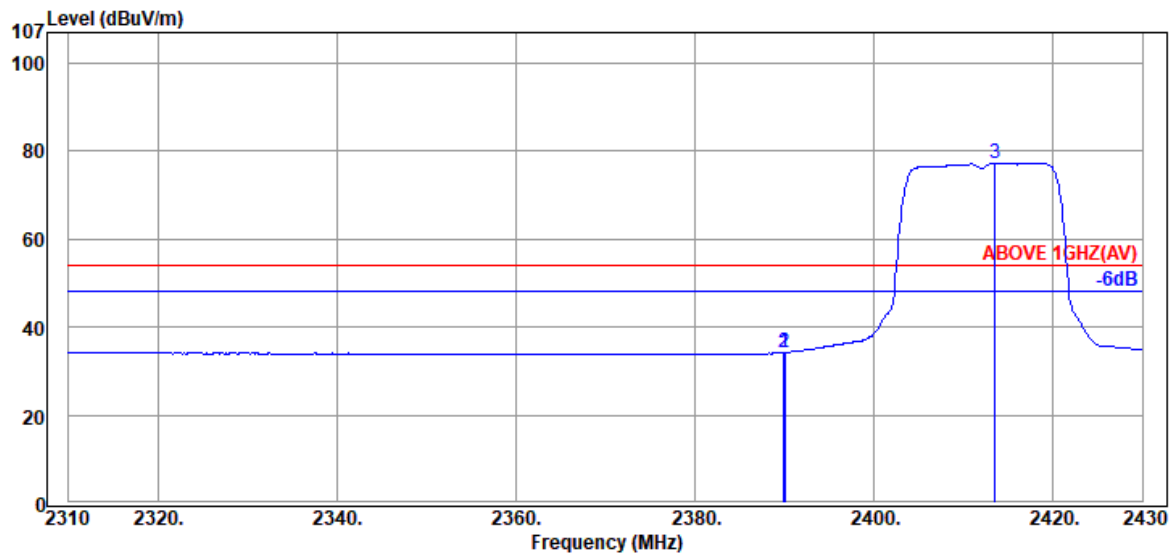
備註：“@”為主波，在此章節是不予以判定。

Mode	802.11g	Frequency	TX 2412MHz
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Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
2353.92	32.00	8.16	7.18	47.34	74.00	26.66	Peak
2390.04	32.00	8.17	4.96	45.13	74.00	28.87	Peak
@ 2414.88	32.23	8.18	47.60	88.01	---	---	Peak

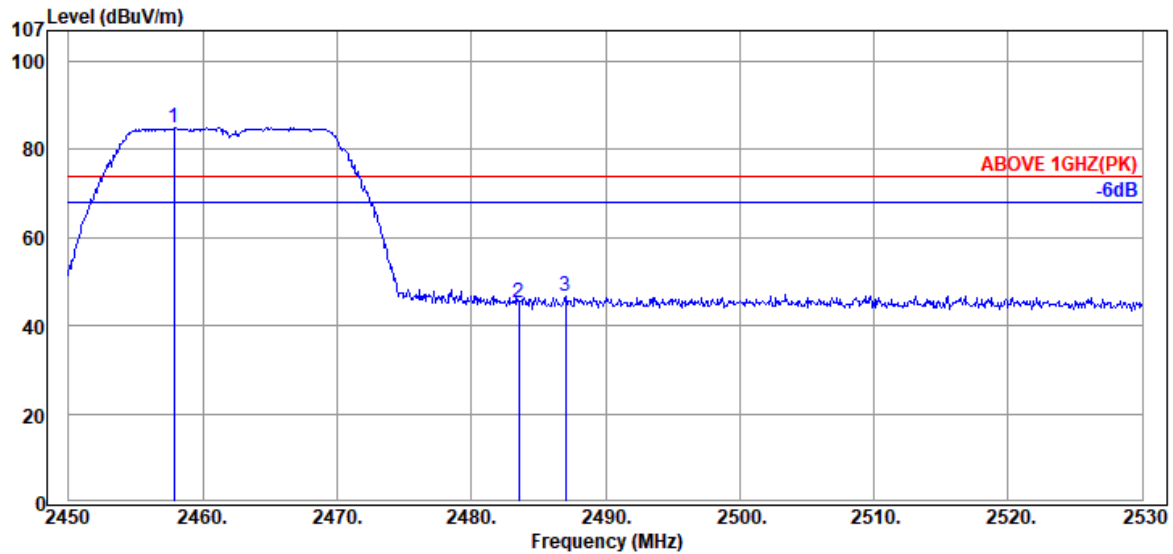


Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
2389.92	32.00	8.17	-5.97	34.20	54.00	19.80	Average
2390.04	32.00	8.17	-5.99	34.18	54.00	19.82	Average
@ 2413.56	32.23	8.18	36.89	77.30	---	---	Average

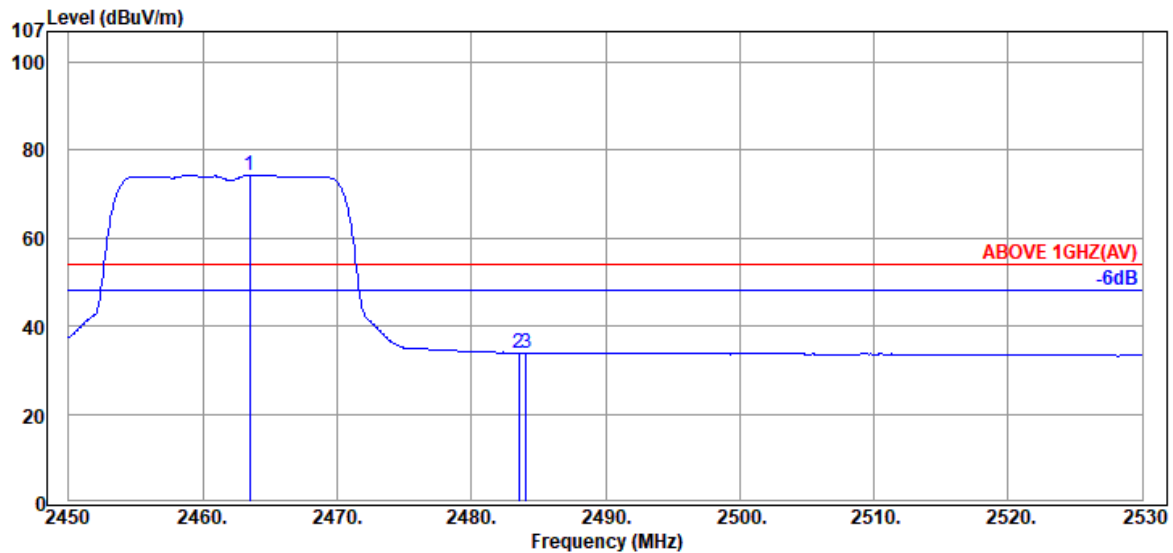
備註：“@”為主波，在此章節是不予以判定。

Mode	802.11g	Frequency	TX 2462MHz
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Antenna at Horizontal Polarization

	Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@	2457.84	32.63	8.20	44.17	85.00	---	---	Peak
	2483.52	32.57	8.20	4.32	45.09	74.00	28.91	Peak
	2487.04	32.57	8.20	6.08	46.85	74.00	27.15	Peak

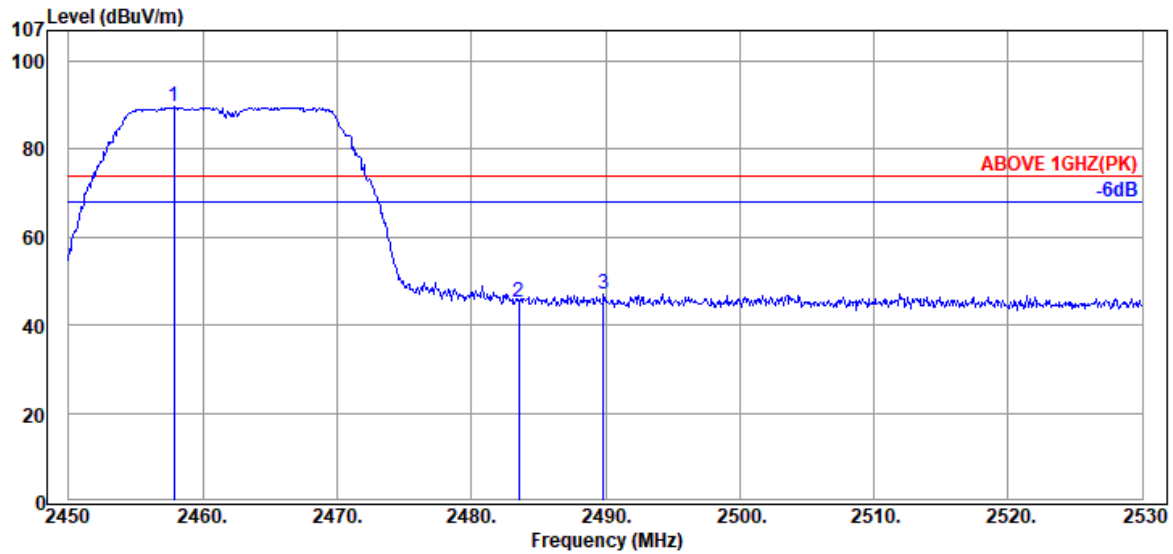


Antenna at Horizontal Polarization

	Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@	2463.52	32.63	8.20	33.43	74.26	---	---	Average
	2483.52	32.57	8.20	-6.88	33.89	54.00	20.11	Average
	2484.08	32.57	8.20	-6.90	33.87	54.00	20.13	Average

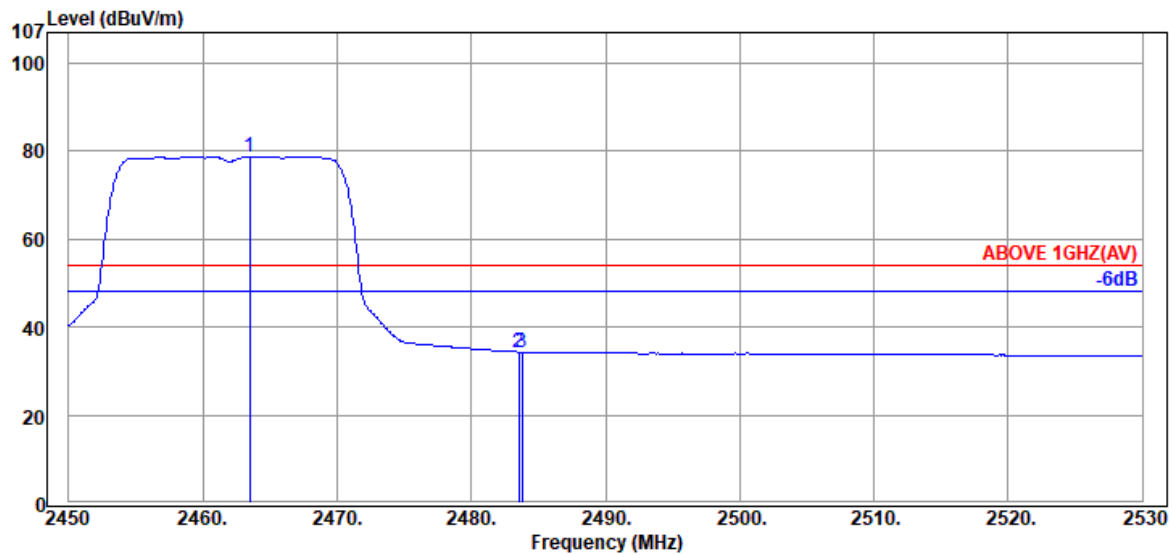
備註：“@”為主波，在此章節是不予以判定。

Mode	802.11g	Frequency	TX 2462MHz
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Antenna at Vertical Polarization

	Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@	2457.84	32.63	8.20	48.75	89.58	---	---	Peak
	2483.52	32.57	8.20	4.59	45.36	74.00	28.64	Peak
	2489.84	32.50	8.21	6.21	46.92	74.00	27.08	Peak

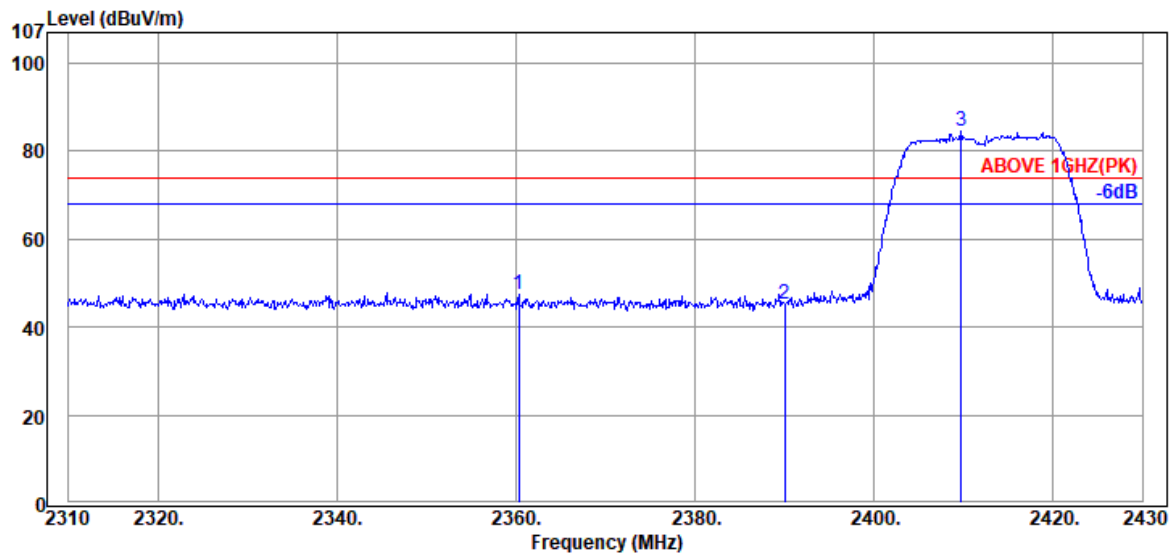


Antenna at Vertical Polarization

	Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@	2463.52	32.63	8.20	38.00	78.83	---	---	Average
	2483.52	32.57	8.20	-6.42	34.35	54.00	19.65	Average
	2483.76	32.57	8.20	-6.46	34.31	54.00	19.69	Average

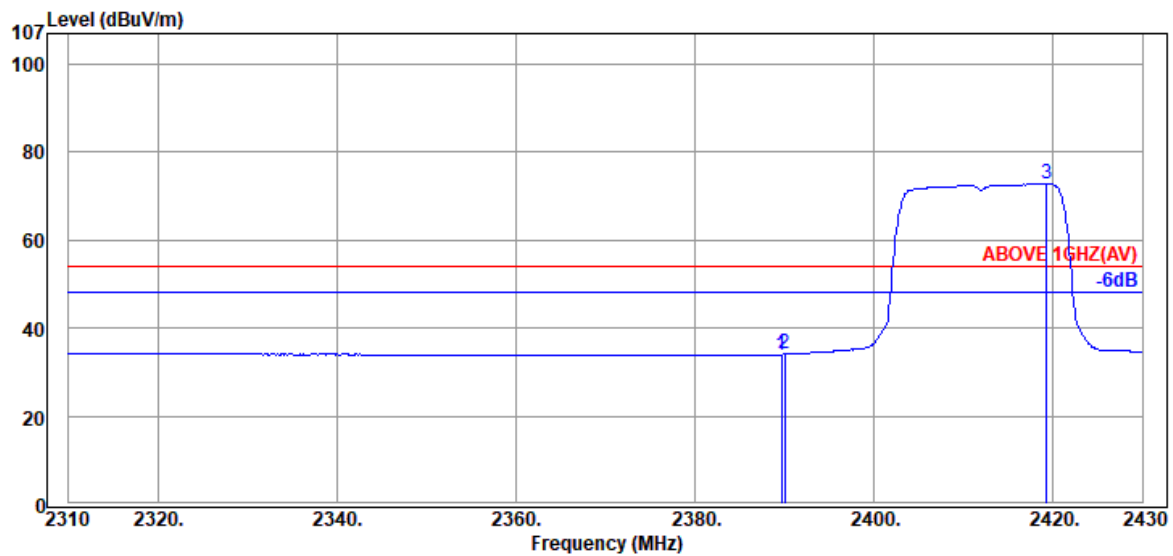
備註：“@”為主波，在此章節是不予以判定。

Mode	802.11n-HT20	Frequency	TX 2412MHz
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Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
2360.28	32.00	8.16	7.45	47.61	74.00	26.39	Peak
2390.04	32.00	8.17	5.02	45.19	74.00	28.81	Peak
@ 2409.72	32.23	8.18	44.10	84.51	---	---	Peak

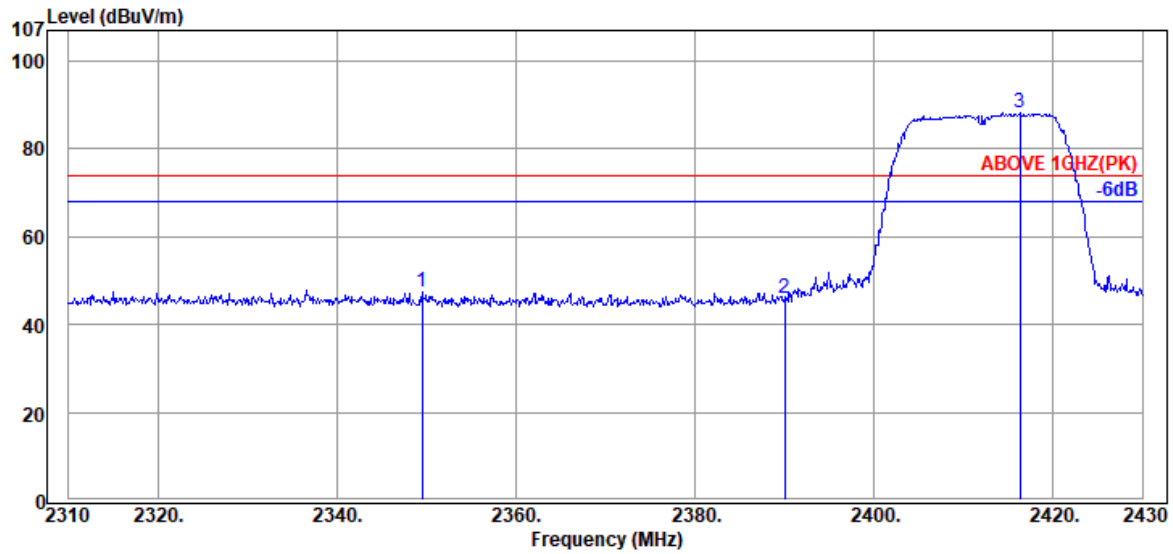


Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
2389.68	32.00	8.17	-6.16	34.01	54.00	19.99	Average
2390.04	32.00	8.17	-6.13	34.04	54.00	19.96	Average
@ 2419.32	32.23	8.18	32.35	72.76	---	---	Average

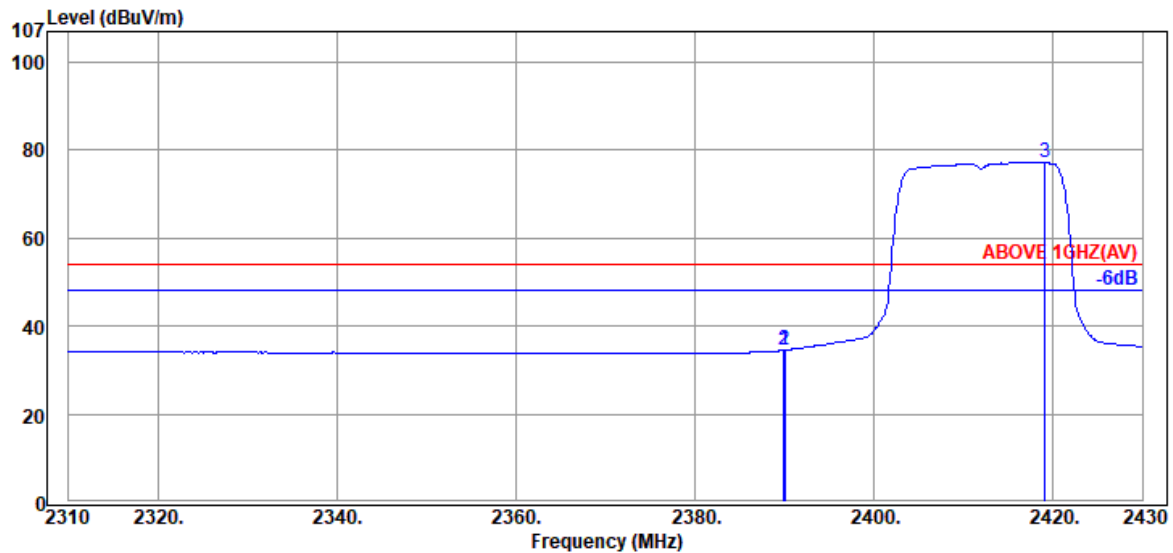
備註：“@”為主波，在此章節是不予以判定。

Mode	802.11n-HT20	Frequency	TX 2412MHz
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Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
2349.48	32.00	8.16	7.21	47.37	74.00	26.63	Peak
2390.04	32.00	8.17	5.63	45.80	74.00	28.20	Peak
@ 2416.32	32.23	8.18	47.90	88.31	---	---	Peak

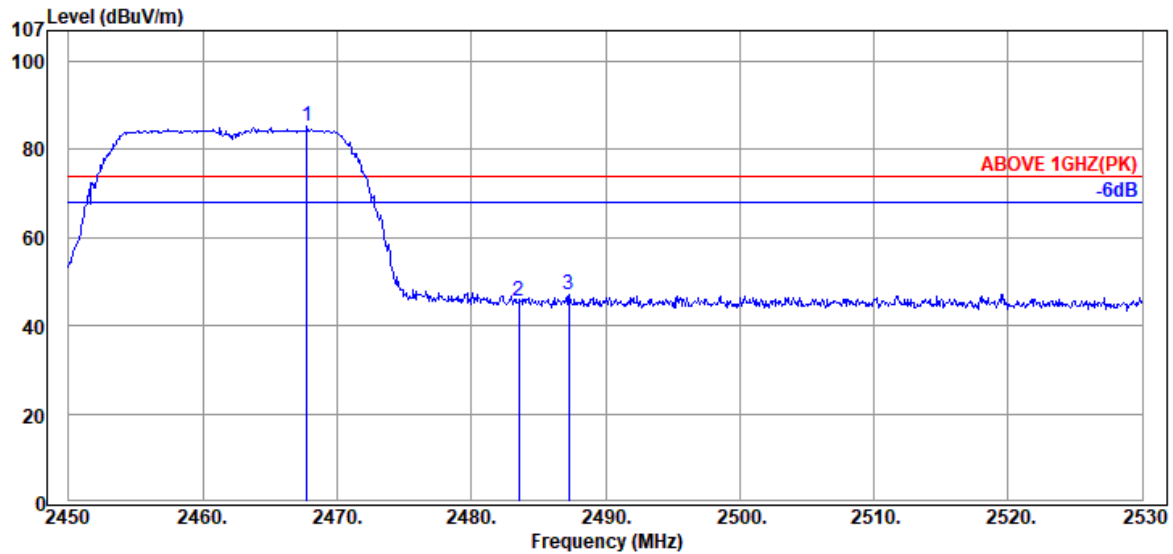


Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
2389.92	32.00	8.17	-5.65	34.52	54.00	19.48	Average
2390.04	32.00	8.17	-5.64	34.53	54.00	19.47	Average
@ 2419.08	32.23	8.18	36.73	77.14	---	---	Average

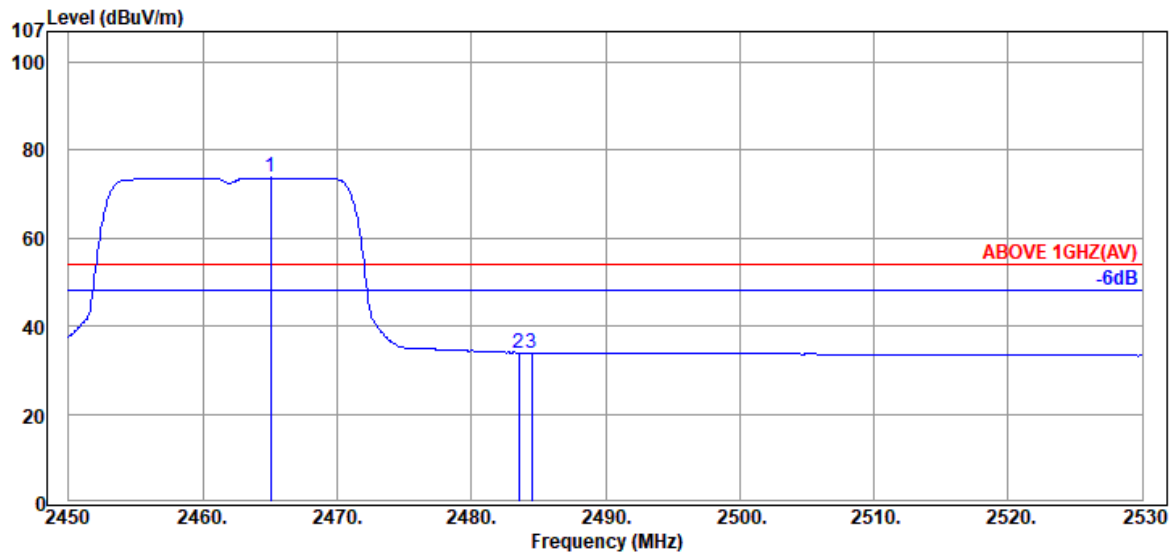
備註：“@”為主波，在此章節是不予以判定。

Mode	802.11n-HT20	Frequency	TX 2462MHz
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Antenna at Horizontal Polarization

	Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@	2467.76	32.63	8.20	44.48	85.31	---	---	Peak
	2483.52	32.57	8.20	4.87	45.64	74.00	28.36	Peak
	2487.28	32.57	8.20	6.21	46.98	74.00	27.02	Peak

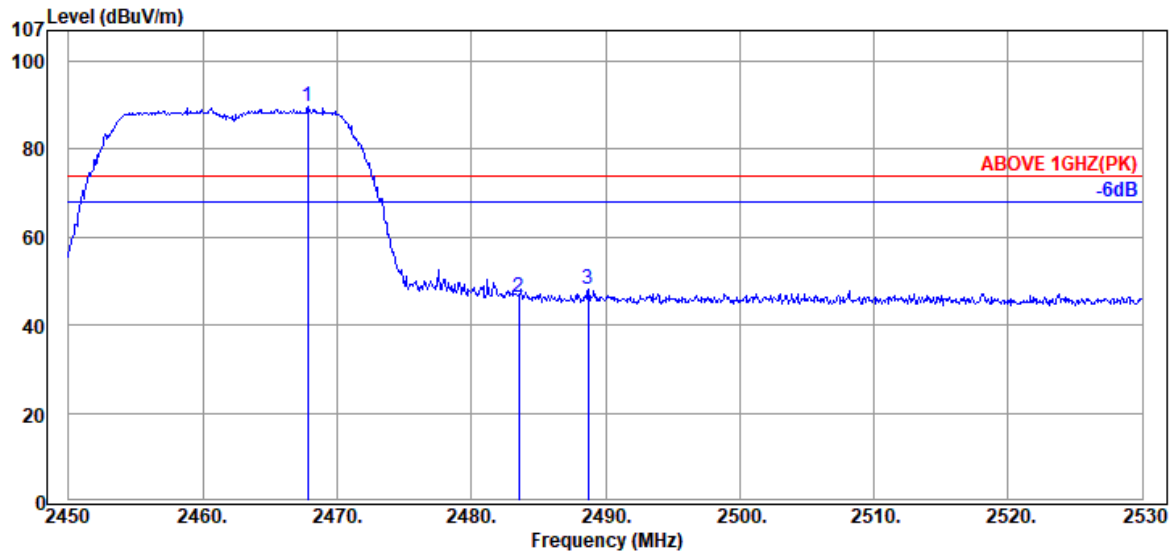


Antenna at Horizontal Polarization

	Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@	2465.04	32.63	8.20	32.91	73.74	---	---	Average
	2483.52	32.57	8.20	-6.84	33.93	54.00	20.07	Average
	2484.48	32.57	8.20	-6.84	33.93	54.00	20.07	Average

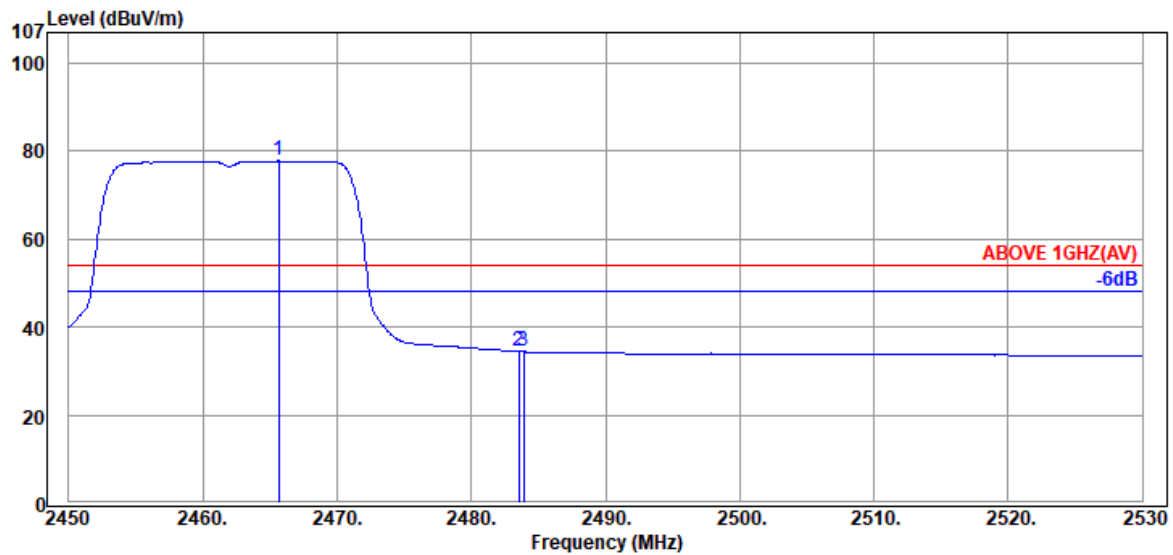
備註：“@”為主波，在此章節是不予以判定。

Mode	802.11n-HT20	Frequency	TX 2462MHz
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Antenna at Vertical Polarization

	Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@	2467.84	32.63	8.20	48.81	89.64	---	---	Peak
	2483.52	32.57	8.20	5.73	46.50	74.00	27.50	Peak
	2488.72	32.50	8.21	7.31	48.02	74.00	25.98	Peak



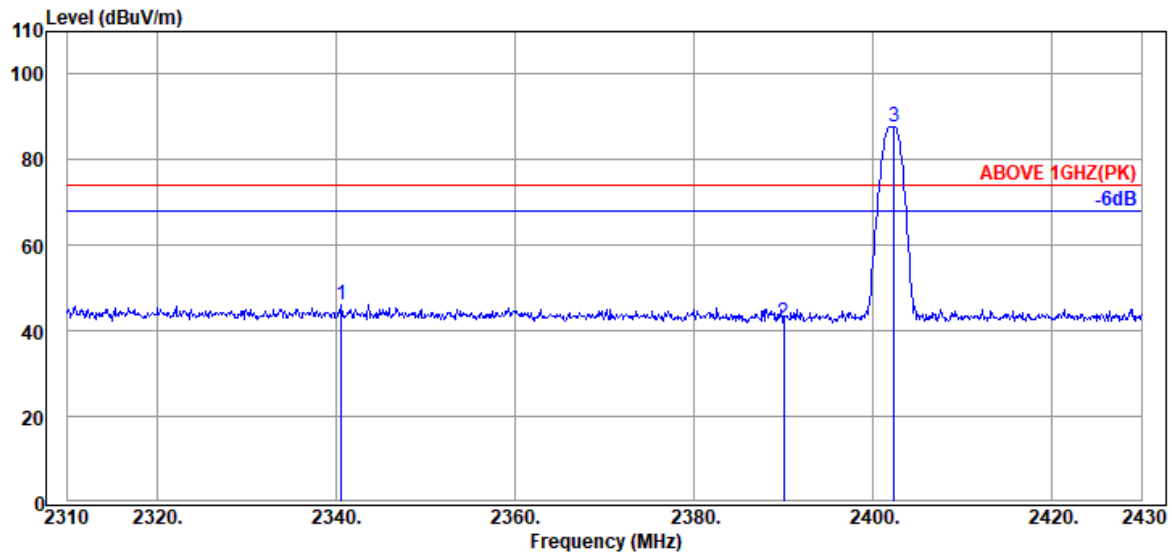
Antenna at Vertical Polarization

	Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@	2465.68	32.63	8.20	36.95	77.78	---	---	Average
	2483.52	32.57	8.20	-6.25	34.52	54.00	19.48	Average
	2483.92	32.57	8.20	-6.34	34.43	54.00	19.57	Average

備註：“@”為主波，在此章節是不予以判定。

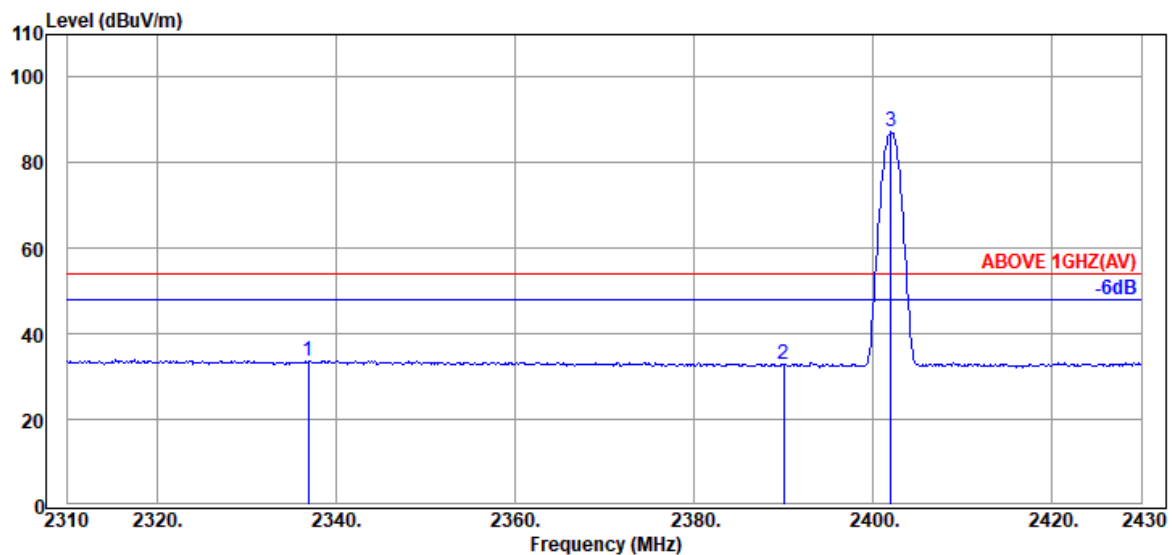
● BLE 測試模式

Mode	BLE	Frequency	TX 2402MHz
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Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
2340.60	32.00	8.16	5.95	46.11	74.00	27.89	Peak
2390.04	32.00	8.17	1.94	42.11	74.00	31.89	Peak
@ 2402.40	32.00	8.17	47.61	87.78	---	---	Peak

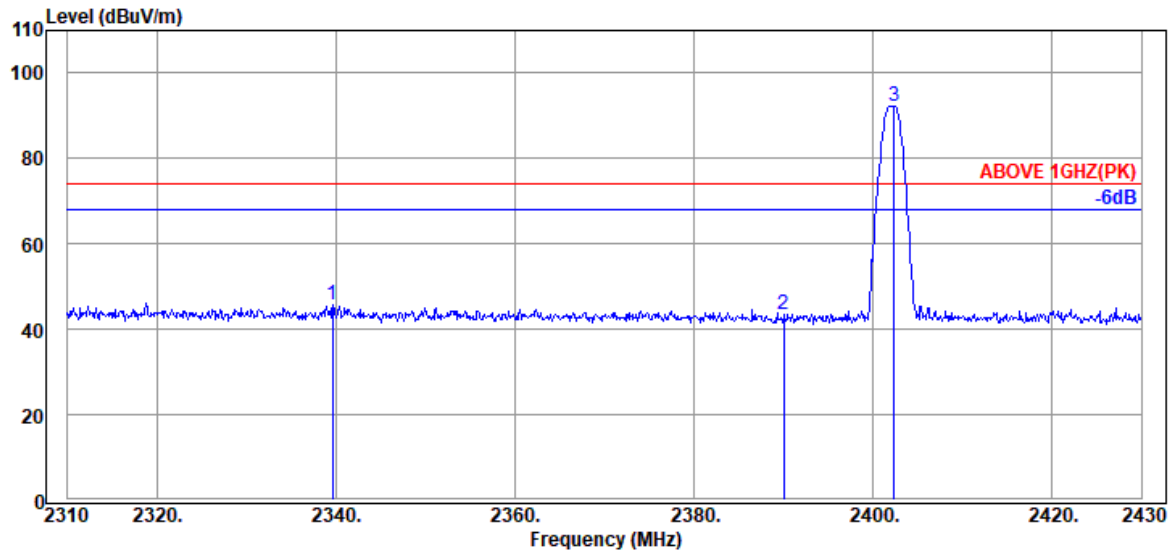


Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
2336.88	32.00	8.16	-6.53	33.63	54.00	20.37	Average
2390.04	32.00	8.17	-7.18	32.99	54.00	21.01	Average
@ 2402.04	32.00	8.17	46.97	87.14	---	---	Average

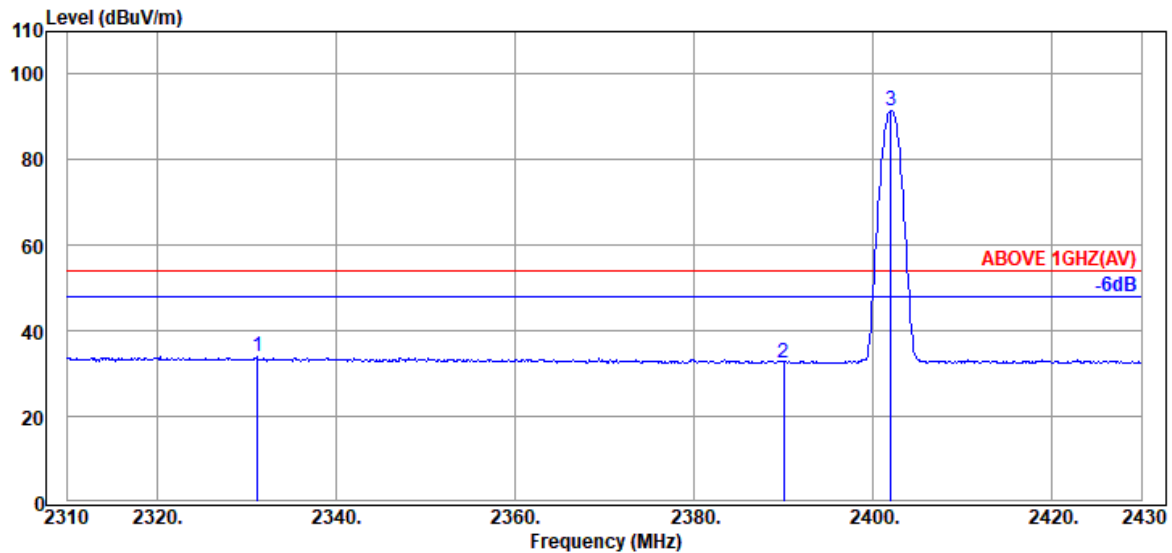
備註：“@”為主波，在此章節是不予以判定。

Mode	BLE	Frequency	TX 2402MHz
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Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
2339.64	32.00	8.16	5.69	45.85	74.00	28.15	Peak
2390.04	32.00	8.17	3.16	43.33	74.00	30.67	Peak
@ 2402.40	32.00	8.17	52.01	92.18	---	---	Peak

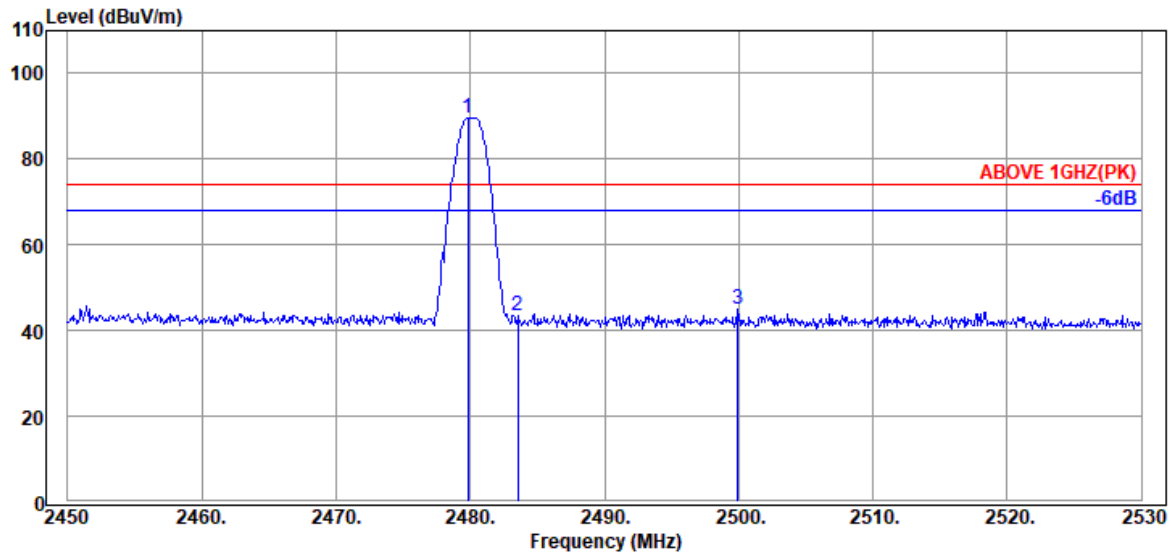


Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
2331.24	32.00	8.15	-6.30	33.85	54.00	20.15	Average
2390.04	32.00	8.17	-7.59	32.58	54.00	21.42	Average
@ 2402.04	32.00	8.17	51.40	91.57	---	---	Average

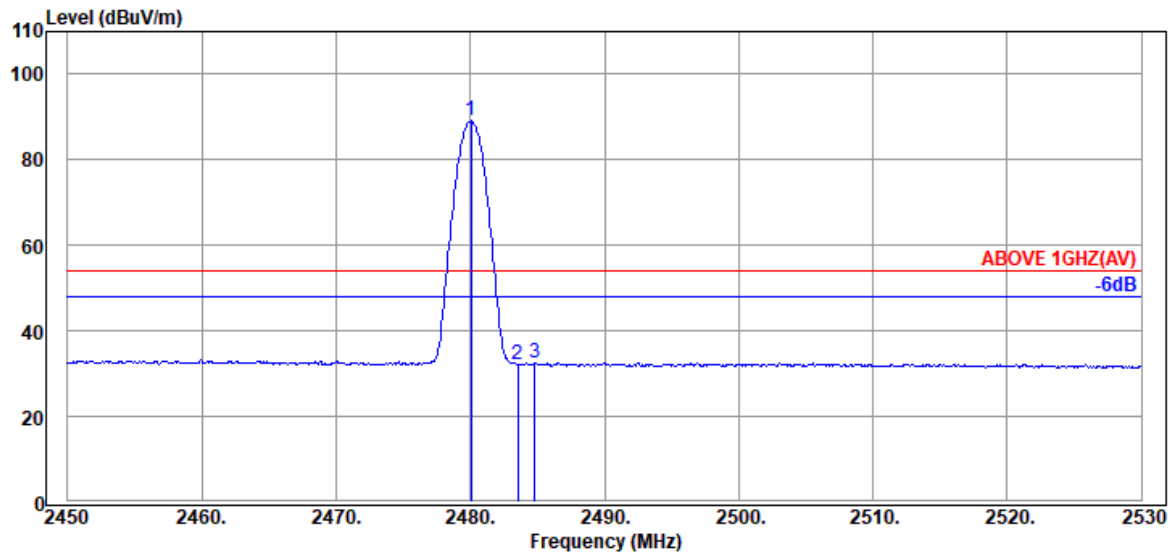
備註：“@”為主波，在此章節是不予以判定。

Mode	BLE	Frequency	TX 2480MHz
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Antenna at Horizontal Polarization

	Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@	2479.84	32.57	8.20	48.88	89.65	---	---	Peak
	2483.52	32.57	8.20	2.70	43.47	74.00	30.53	Peak
	2499.92	32.50	8.21	4.26	44.97	74.00	29.03	Peak

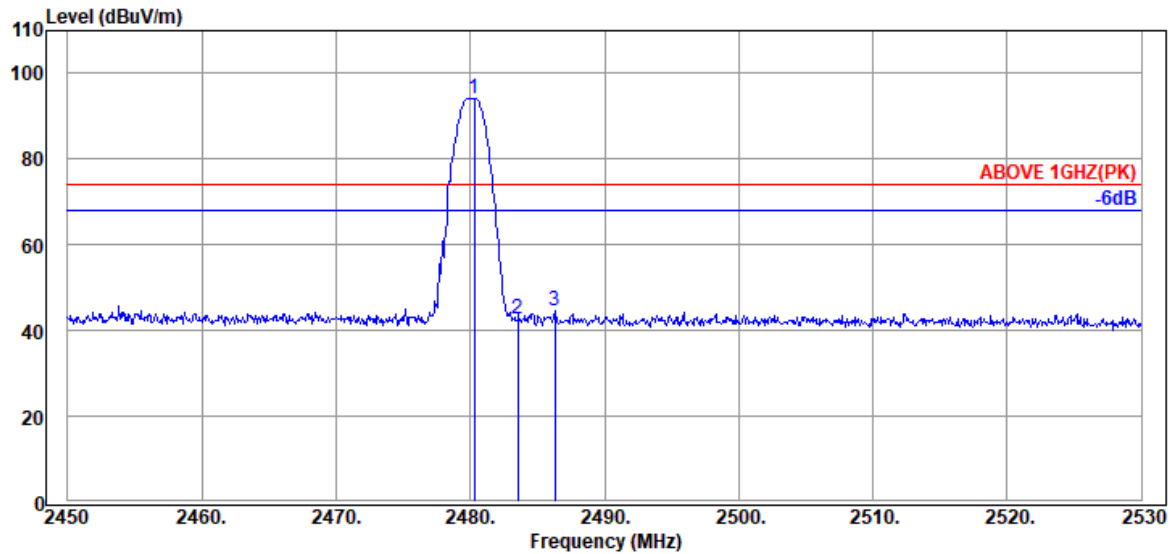


Antenna at Horizontal Polarization

	Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@	2480.08	32.57	8.20	48.28	89.05	---	---	Average
	2483.52	32.57	8.20	-8.52	32.25	54.00	21.75	Average
	2484.80	32.57	8.20	-8.22	32.55	54.00	21.45	Average

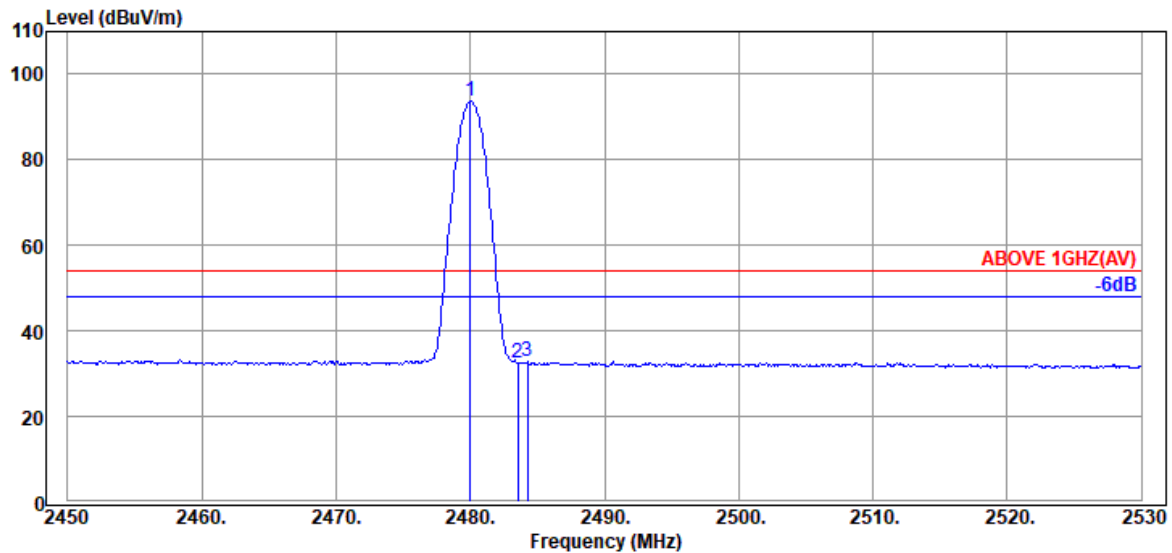
備註：“@”為主波，在此章節是不予以判定。

Mode	BLE	Frequency	TX 2480MHz
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Antenna at Vertical Polarization

	Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@	2480.32	32.57	8.20	53.48	94.25	---	---	Peak
	2483.52	32.57	8.20	1.81	42.58	74.00	31.42	Peak
	2486.32	32.57	8.20	3.66	44.43	74.00	29.57	Peak



Antenna at Vertical Polarization

	Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@	2480.00	32.57	8.20	52.84	93.61	---	---	Average
	2483.52	32.57	8.20	-8.24	32.53	54.00	21.47	Average
	2484.24	32.57	8.20	-7.83	32.94	54.00	21.06	Average

備註：“@”為主波，在此章節是不予以判定。

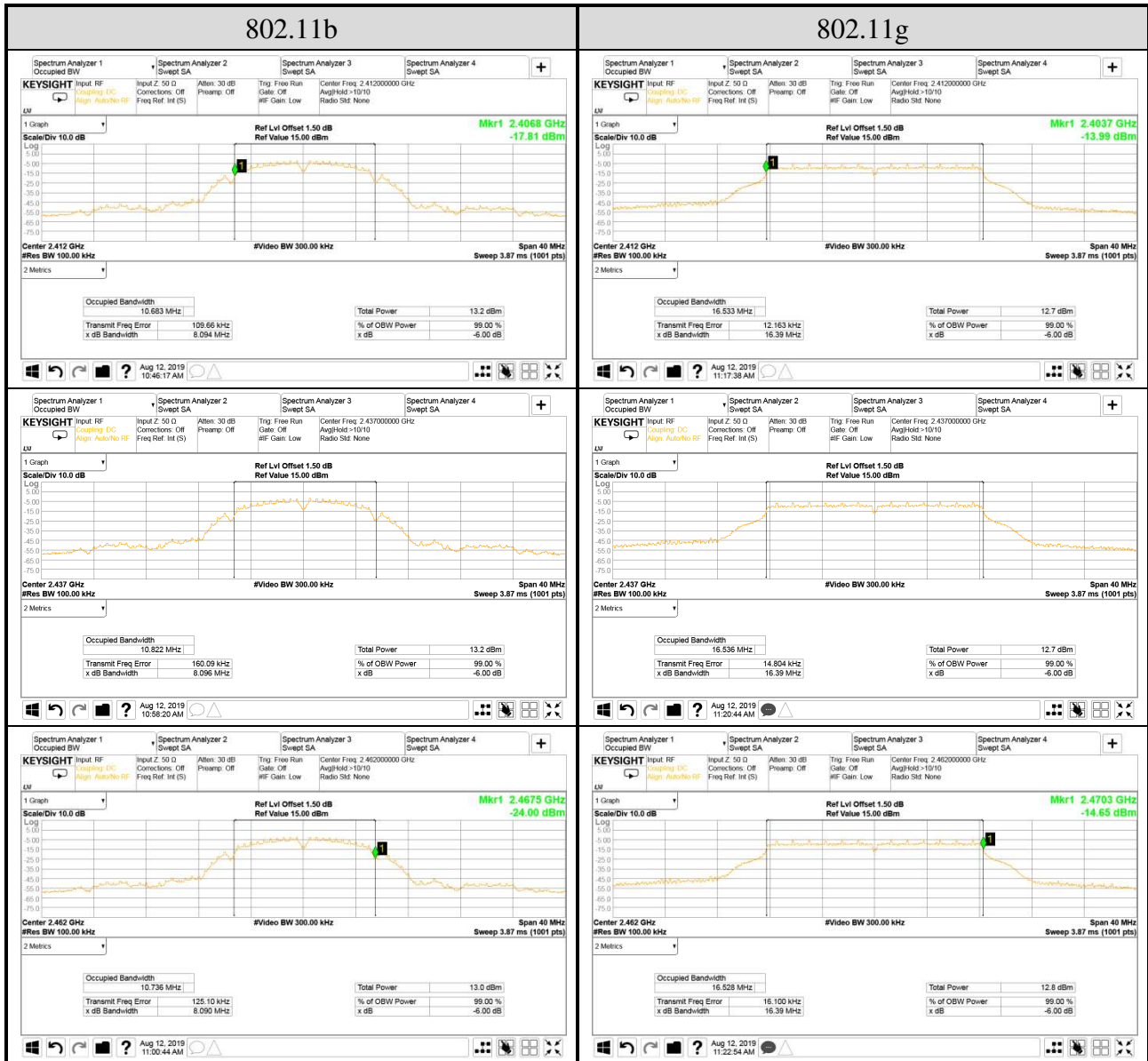
3. 發射頻寬之量測

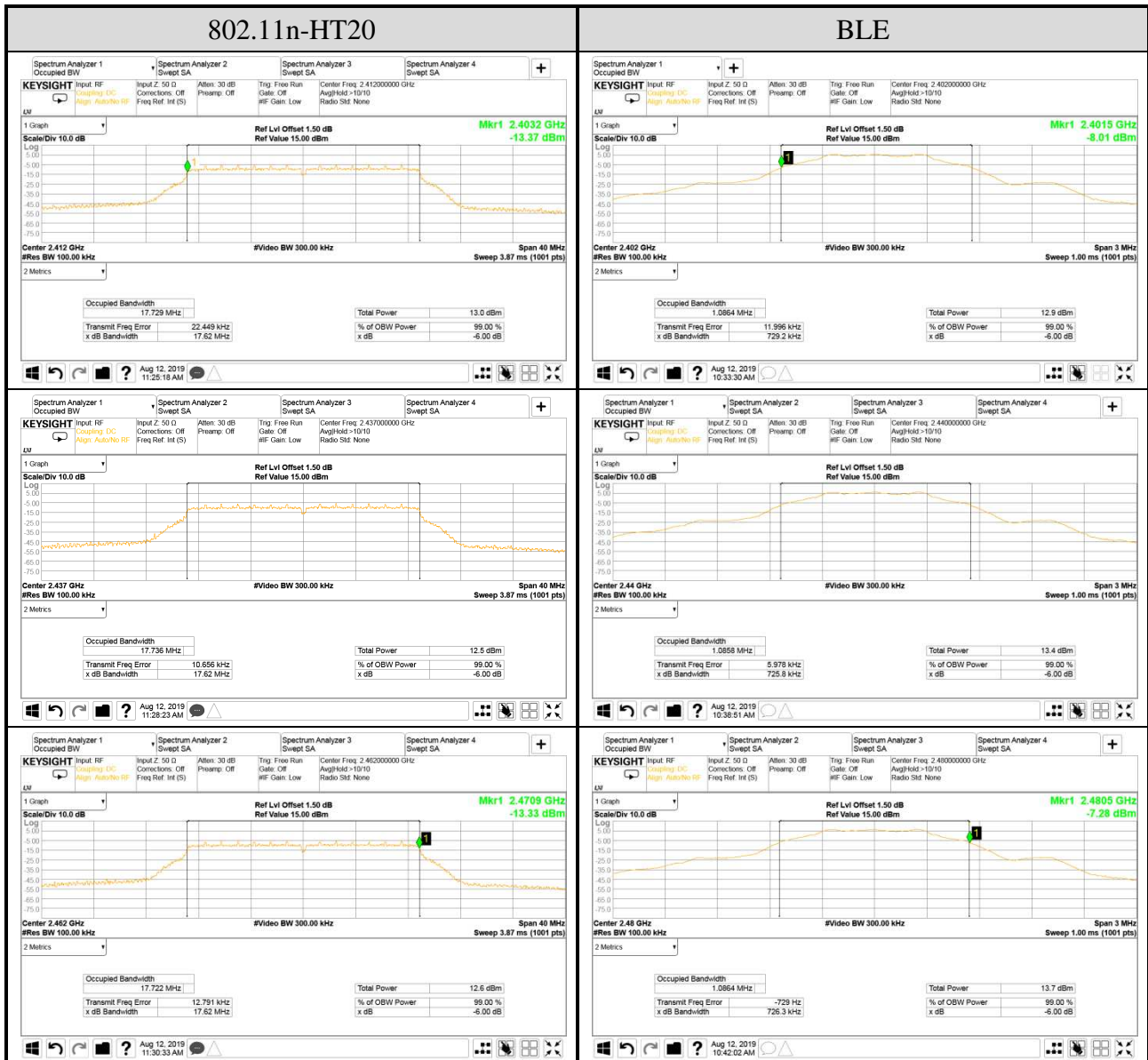
測試日期	2019/08/12	環境溫/濕度	24°C/66%
電纜損失	1.50dB	測試電壓	DC 7.2V (透過鋰電池供電)

3.1. 發射頻寬

模式	測試頻率 (MHz)	6dB 頻寬 (MHz)	限制值 (kHz)
802.11b	2412	8.094	>500
	2437	8.096	
	2462	8.090	
802.11g	2412	16.39	
	2437	16.39	
	2462	16.39	
802.11n-HT20	2412	17.62	
	2437	17.62	
	2462	17.62	
BLE	2402	0.7292	
	2440	0.7258	
	2480	0.7263	

3.2. 發射頻寬之量測圖





4. 峰值輸出功率之量測

測試日期	2019/08/08	環境溫/濕度	25°C/65%
電纜損失	1.50dB	測試電壓	DC 7.2V (透過鋰電池供電)

4.1. 峰值輸出功率

模式	測試頻率 (MHz)	輸出功率(dBm)	限制值 (dBm)
802.11b	2412	10.98	30
	2437	10.90	
	2462	10.61	
802.11g	2412	16.95	
	2437	16.86	
	2462	16.67	
802.11n-HT20	2412	17.26	
	2437	17.06	
	2462	16.91	
BLE	2402	8.55	
	2440	9.09	
	2480	9.26	

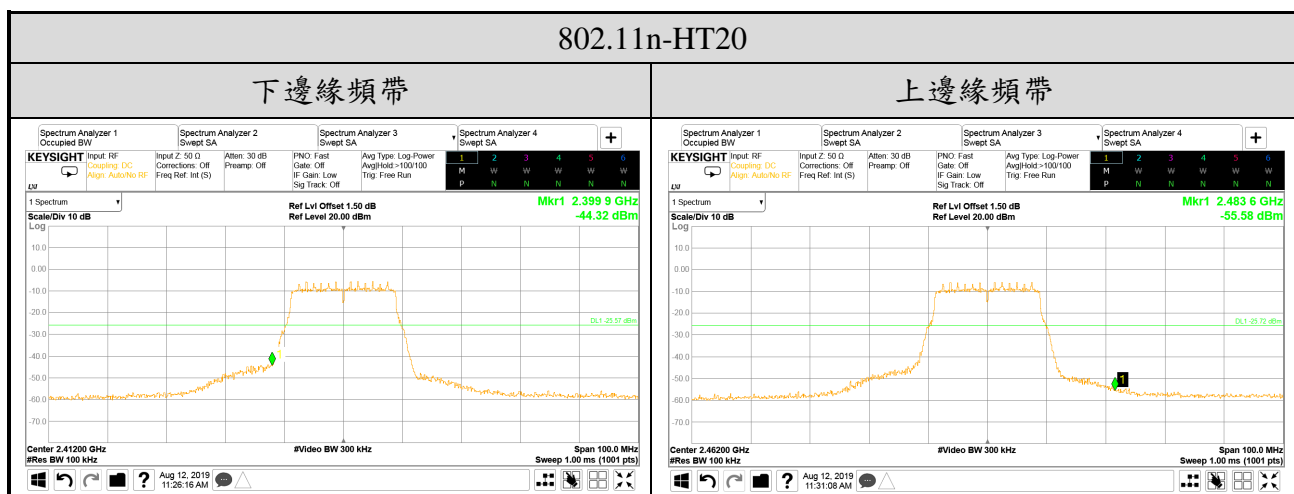
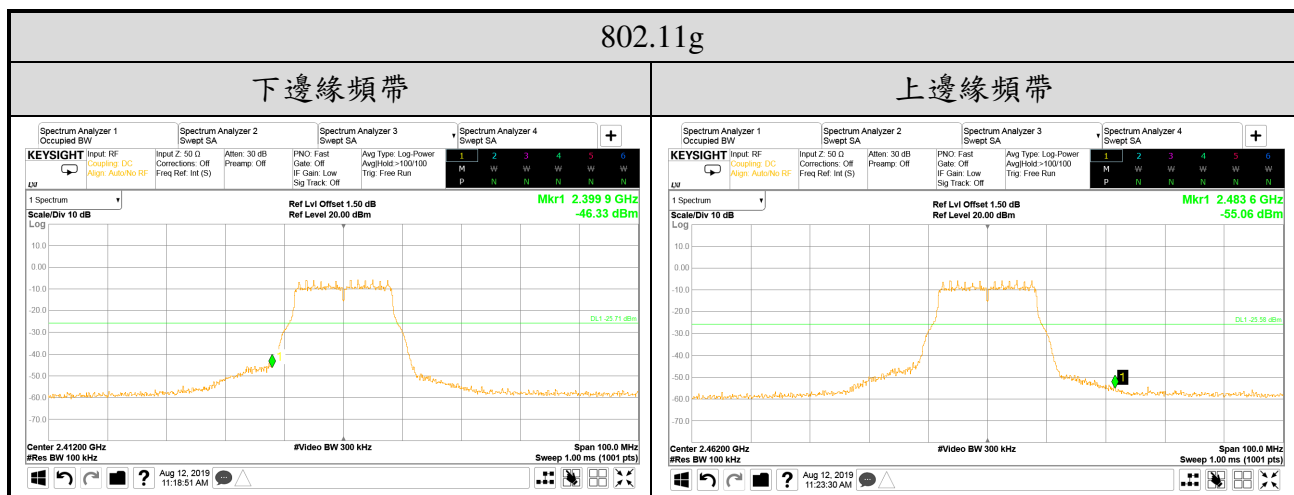
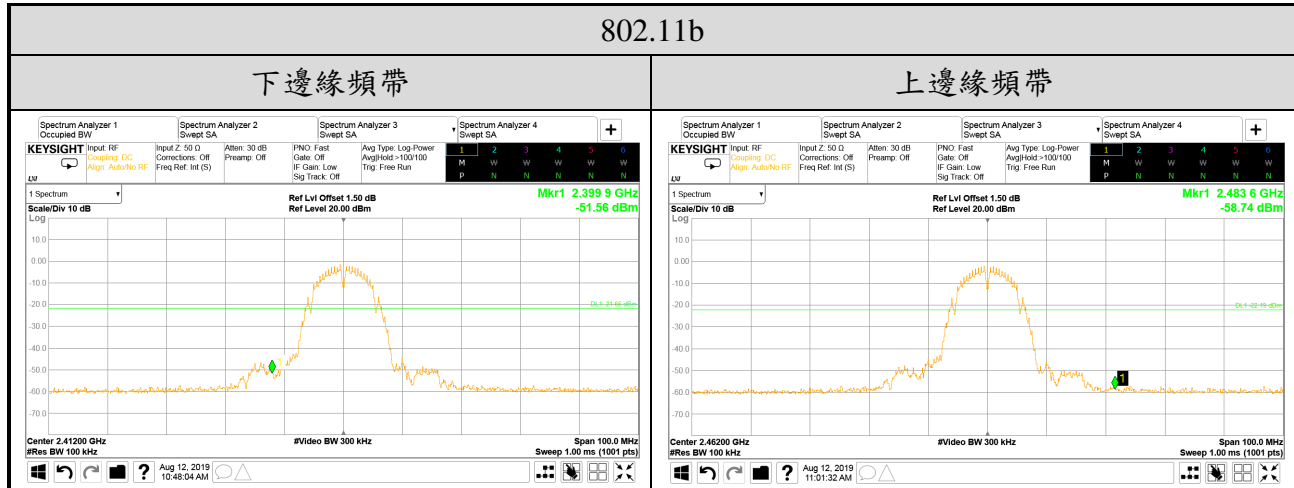
4.2. 平均輸出功率(參考用)

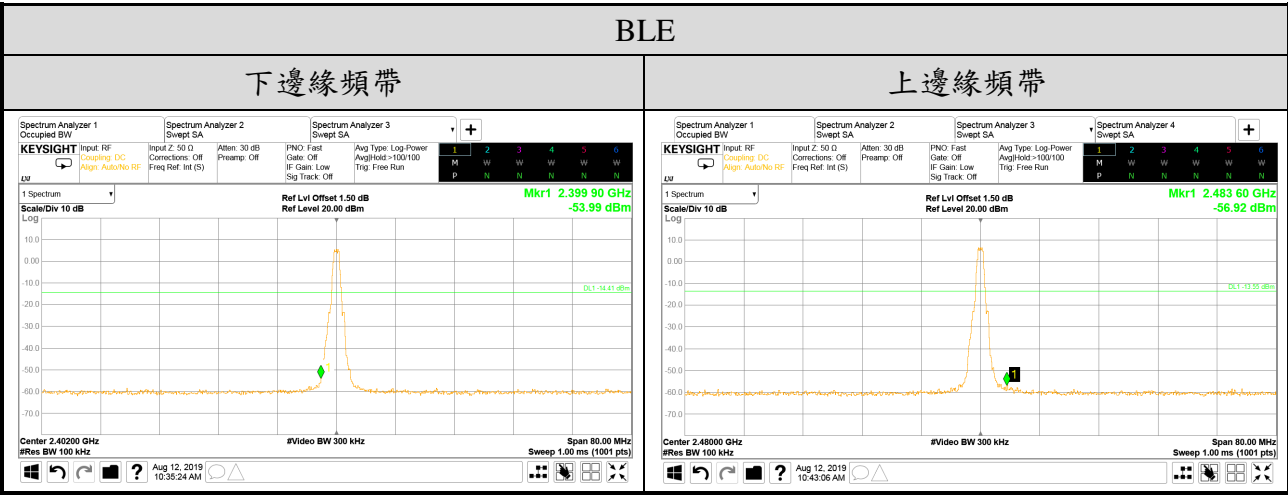
模式	測試頻率 (MHz)	Duty Cycle(X)	輸出功率			限制值 (dBm)
			輸出功率 (dBm)	10log(1/X)	Total 輸出功率 (dBm)	
802.11b	2412	1.000	7.07	0	7.07	30
	2437		6.99		6.99	
	2462		6.88		6.88	
802.11g	2412	0.983	7.11	0.07	7.18	
	2437		7.02		7.09	
	2462		6.71		6.78	
802.11n-HT20	2412	0.985	6.92	0.07	6.99	
	2437		6.86		6.93	
	2462		6.84		6.91	

註：當 Duty cycle<98%，最大輸出功率必需要加上 duty cycle factor $10\log(1/x)$ 。(x=duty cycle)

5. 頻帶邊緣之 RF 傳導發射之量測

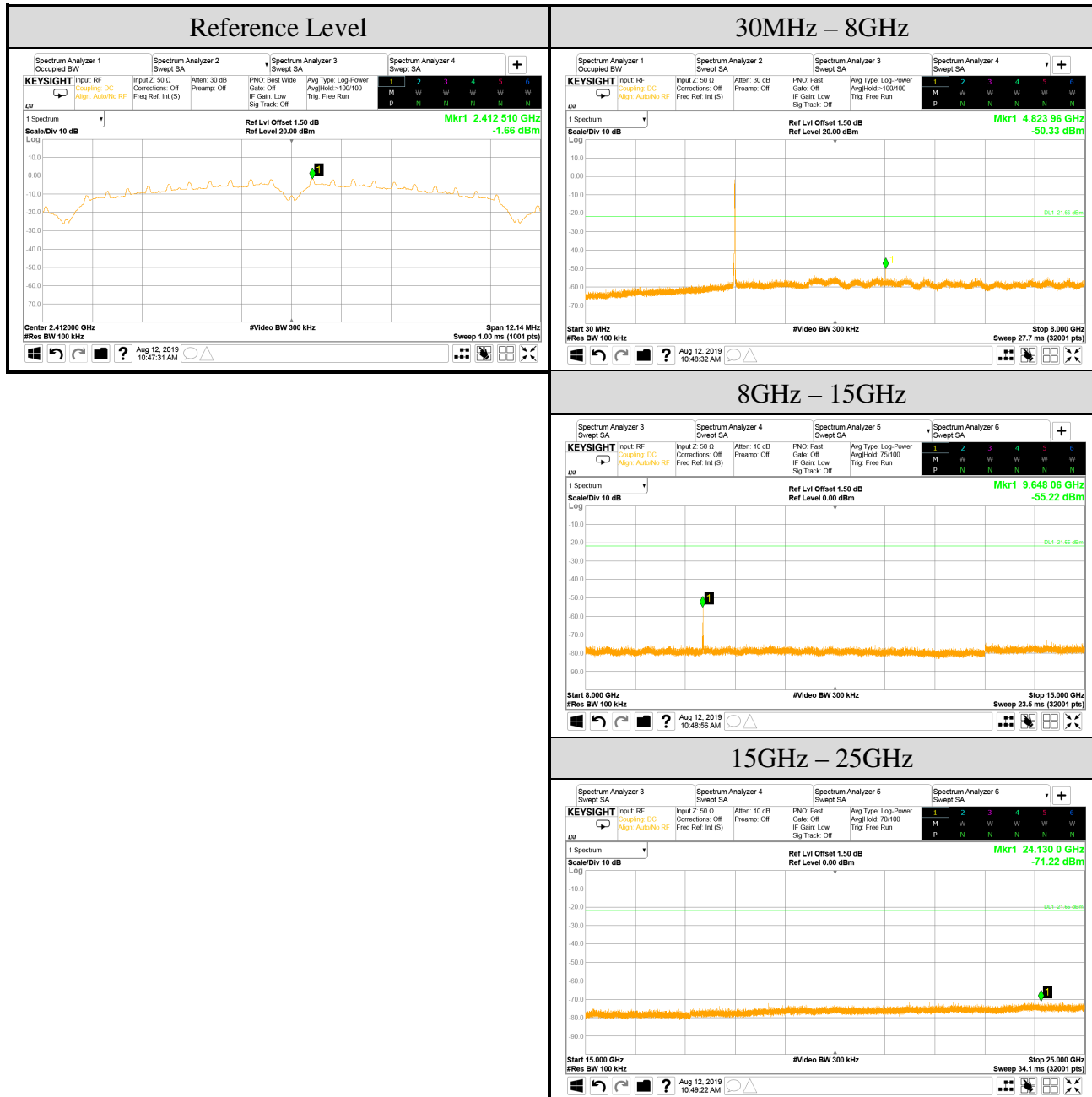
測試日期	2019/08/12	環境溫/濕度	24°C/66%
電纜損失	1.50dB	測試電壓	DC 7.2V (透過鋰電池供電)





6. 混附發射之 RF 傳導發射之量測

測試日期	2019/08/12	環境溫/濕度	24°C/66%
電纜損失	1.50dB	模式	802.11b
測試電壓	DC 7.2V (透過鋰電池供電)	測試頻率	2412MHz
Simultaneous Factor10 log(n) (Note: “n” is antenna number)			0



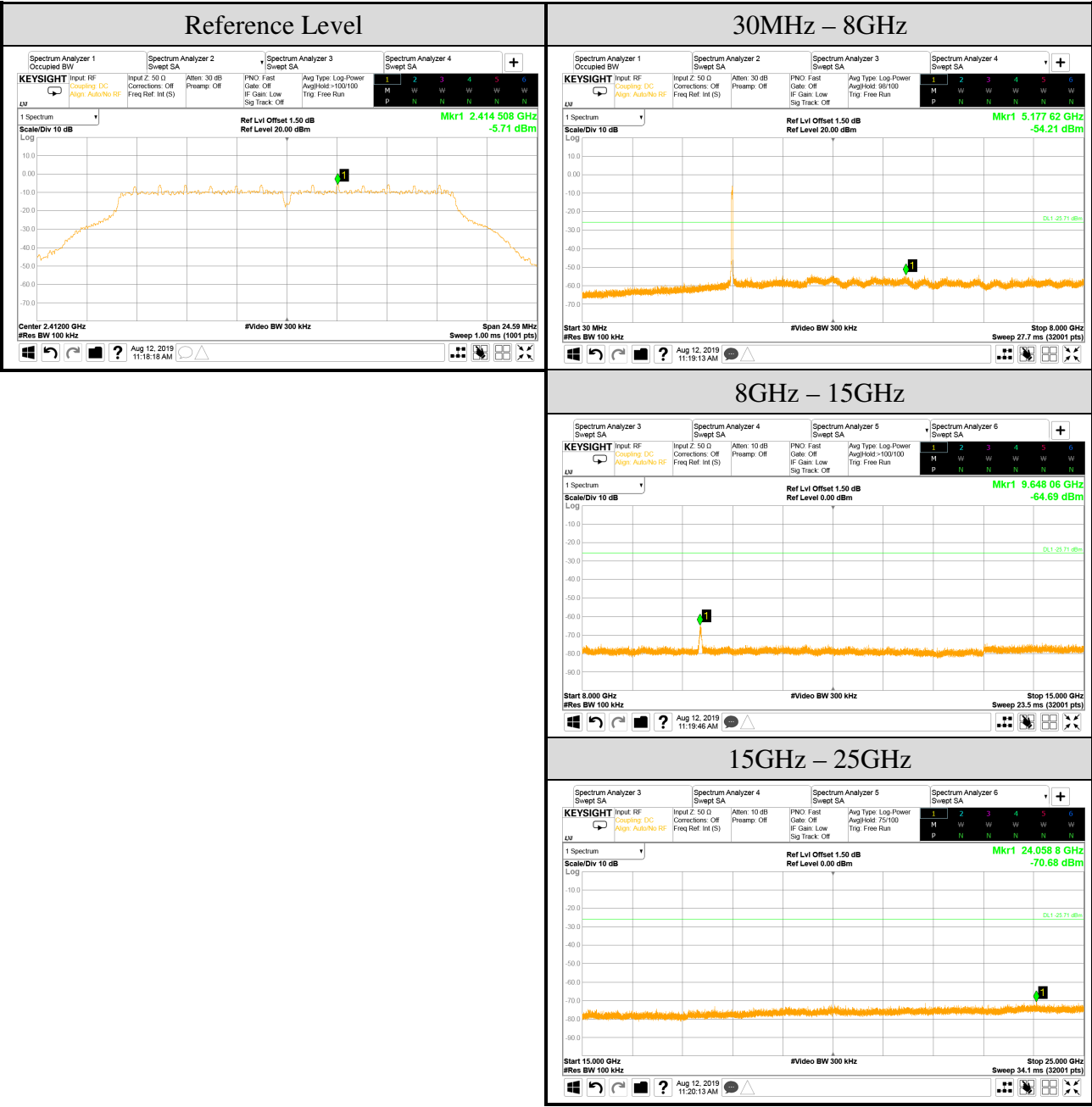
測試日期	2019/08/12	環境溫/濕度	24°C/66%
電纜損失	1.50dB	模式	802.11b
測試電壓	DC 7.2V (透過鋰電池供電)	測試頻率	2437MHz
Simultaneous Factor10 log(n) (Note: “n” is antenna number)			0



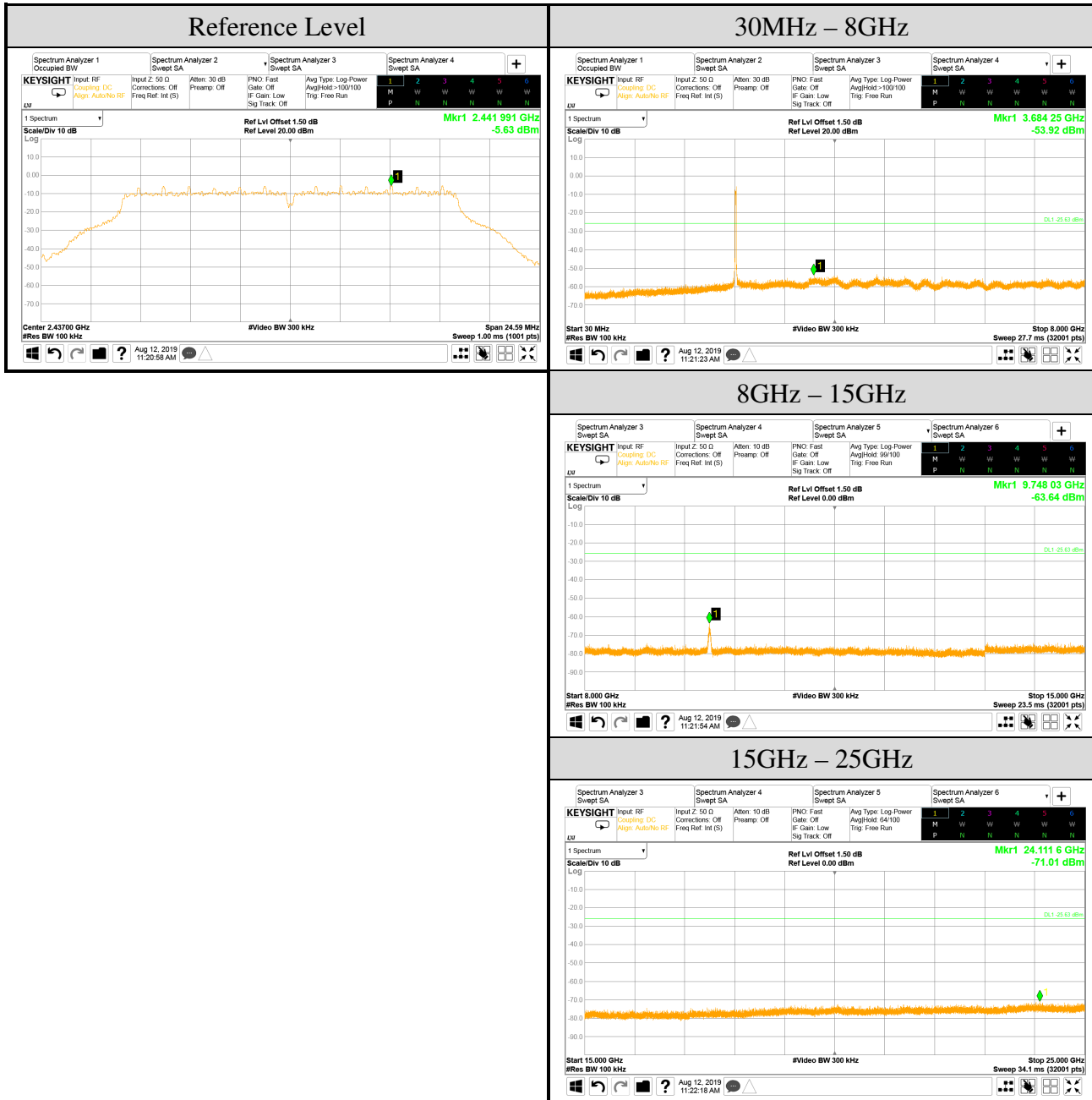
測試日期	2019/08/12	環境溫/濕度	24°C/66%
電纜損失	1.50dB	模式	802.11b
測試電壓	DC 7.2V (透過鋰電池供電)	測試頻率	2462MHz
Simultaneous Factor10 log(n) (Note: “n” is antenna number)			0



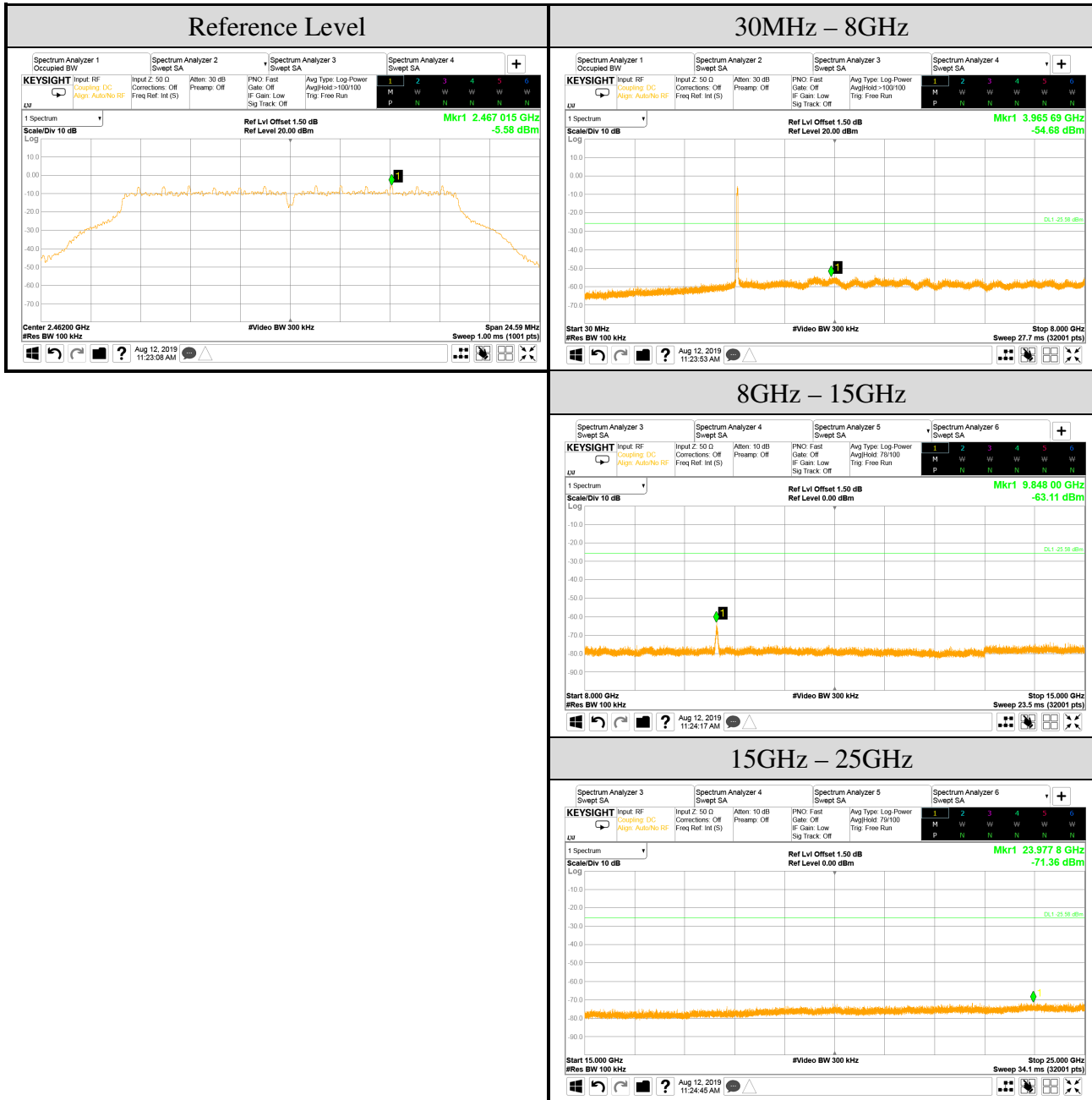
測試日期	2019/08/12	環境溫/濕度	24°C/66%
電纜損失	1.50dB	模式	802.11g
測試電壓	DC 7.2V (透過鋰電池供電)	測試頻率	2412MHz
Simultaneous Factor10 log(n) (Note: “n” is antenna number)		0	



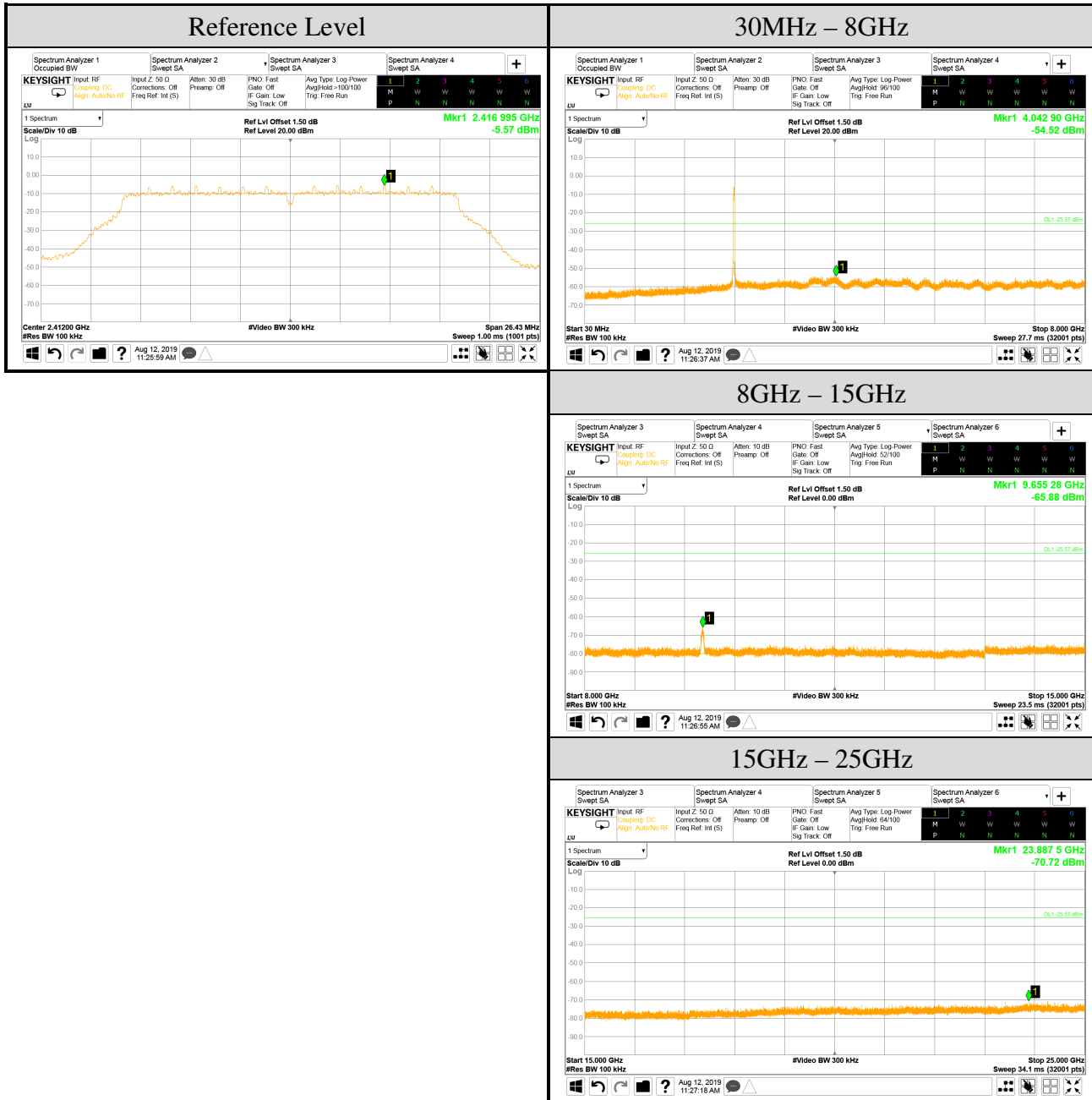
測試日期	2019/08/12	環境溫/濕度	24°C/66%
電纜損失	1.50dB	模式	802.11g
測試電壓	DC 7.2V (透過鋰電池供電)	測試頻率	2437MHz
Simultaneous Factor10 log(n) (Note: “n” is antenna number)			0



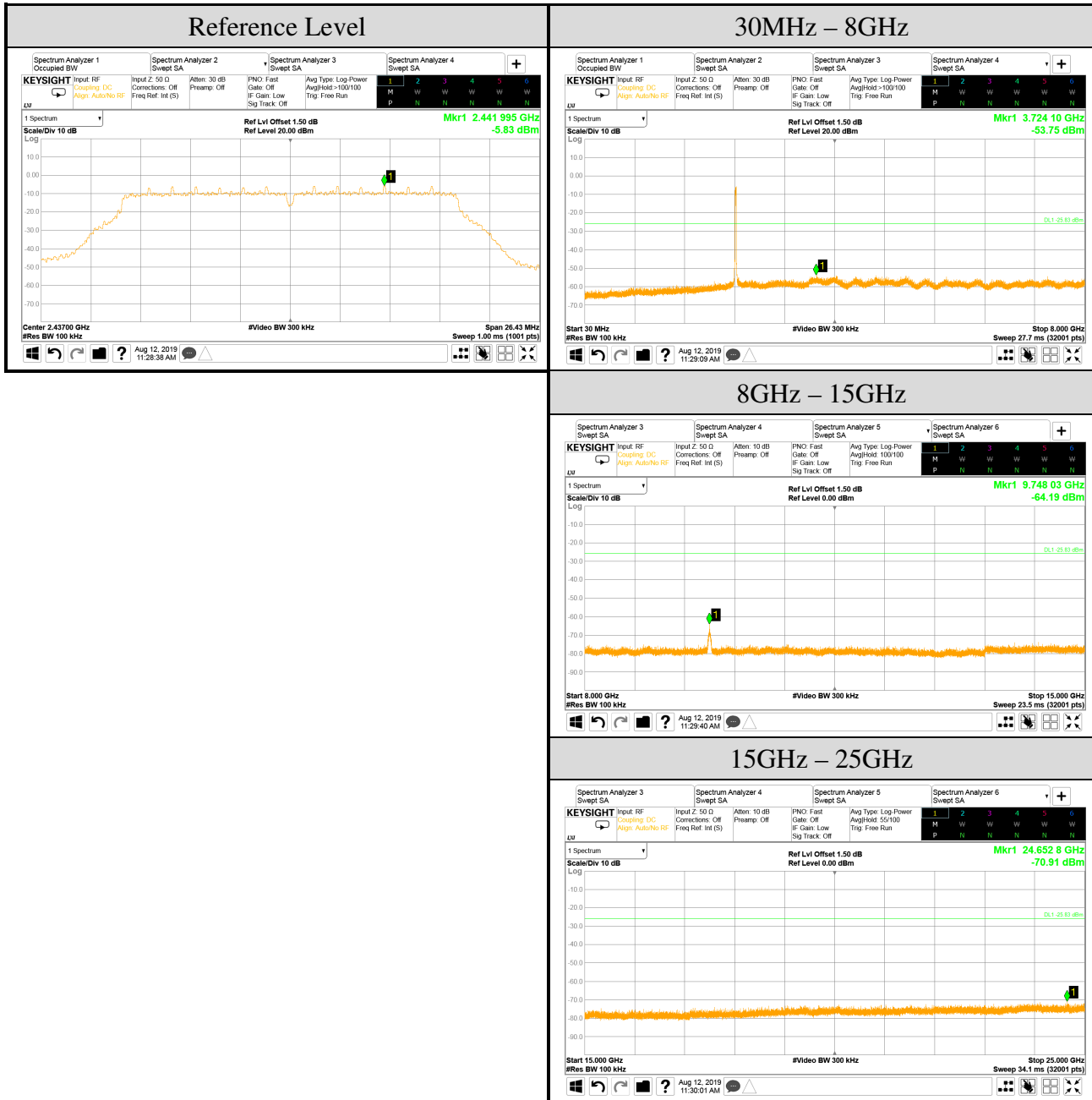
測試日期	2019/08/12	環境溫/濕度	24°C/66%
電纜損失	1.50dB	模式	802.11g
測試電壓	DC 7.2V (透過鋰電池供電)	測試頻率	2462MHz
Simultaneous Factor10 log(n) (Note: “n” is antenna number)			0



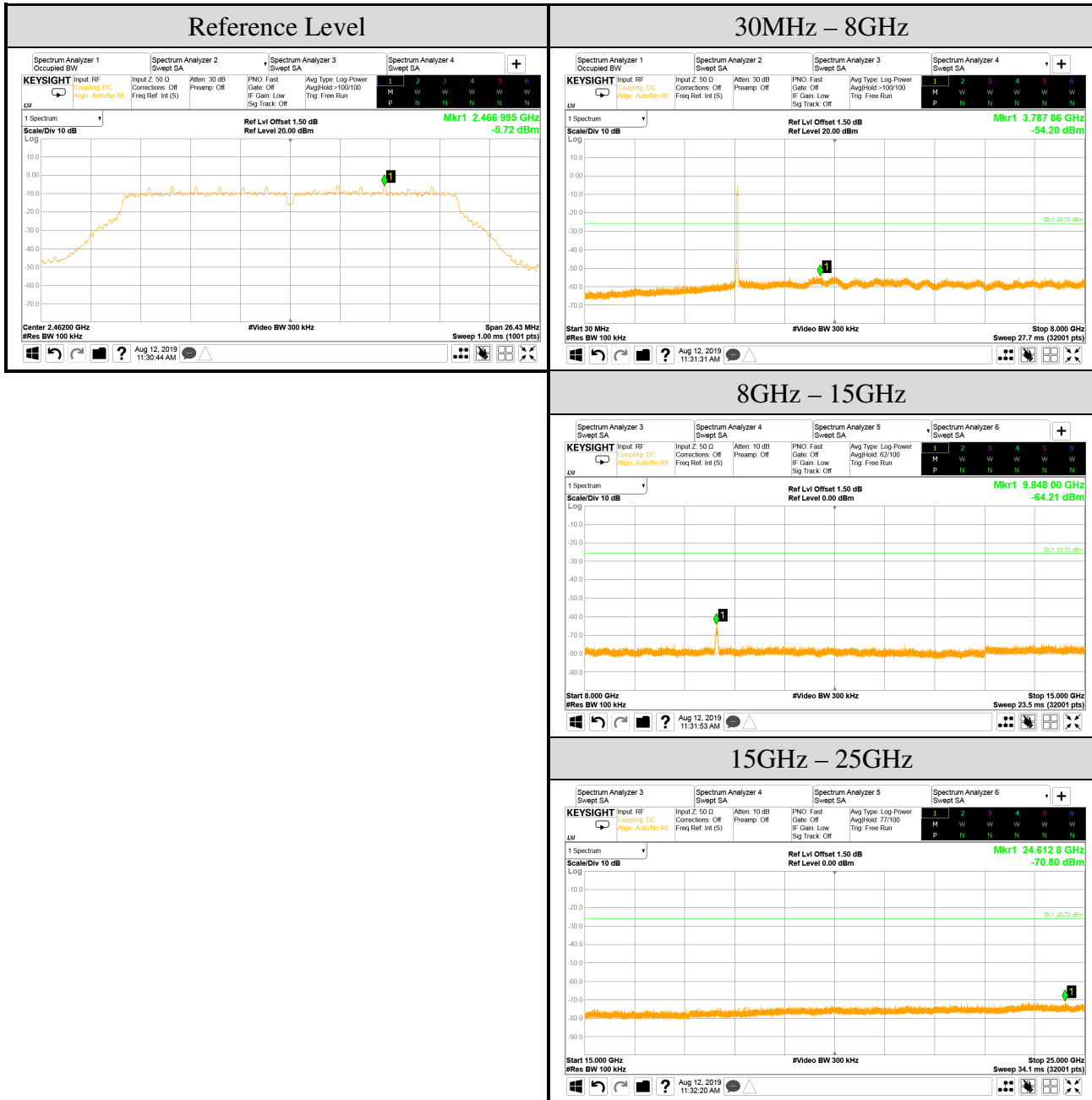
測試日期	2019/08/12	環境溫/濕度	24°C/66%
電纜損失	1.50dB	模式	802.11n-HT20
測試電壓	DC 7.2V (透過鋰電池供電)	測試頻率	2412MHz
Simultaneous Factor10 log(n) (Note: “n” is antenna number)			0



測試日期	2019/08/12	環境溫/濕度	24°C/66%
電纜損失	1.50dB	模式	802.11n-HT20
測試電壓	DC 7.2V (透過鋰電池供電)	測試頻率	2437MHz
Simultaneous Factor10 log(n) (Note: “n” is antenna number)			0



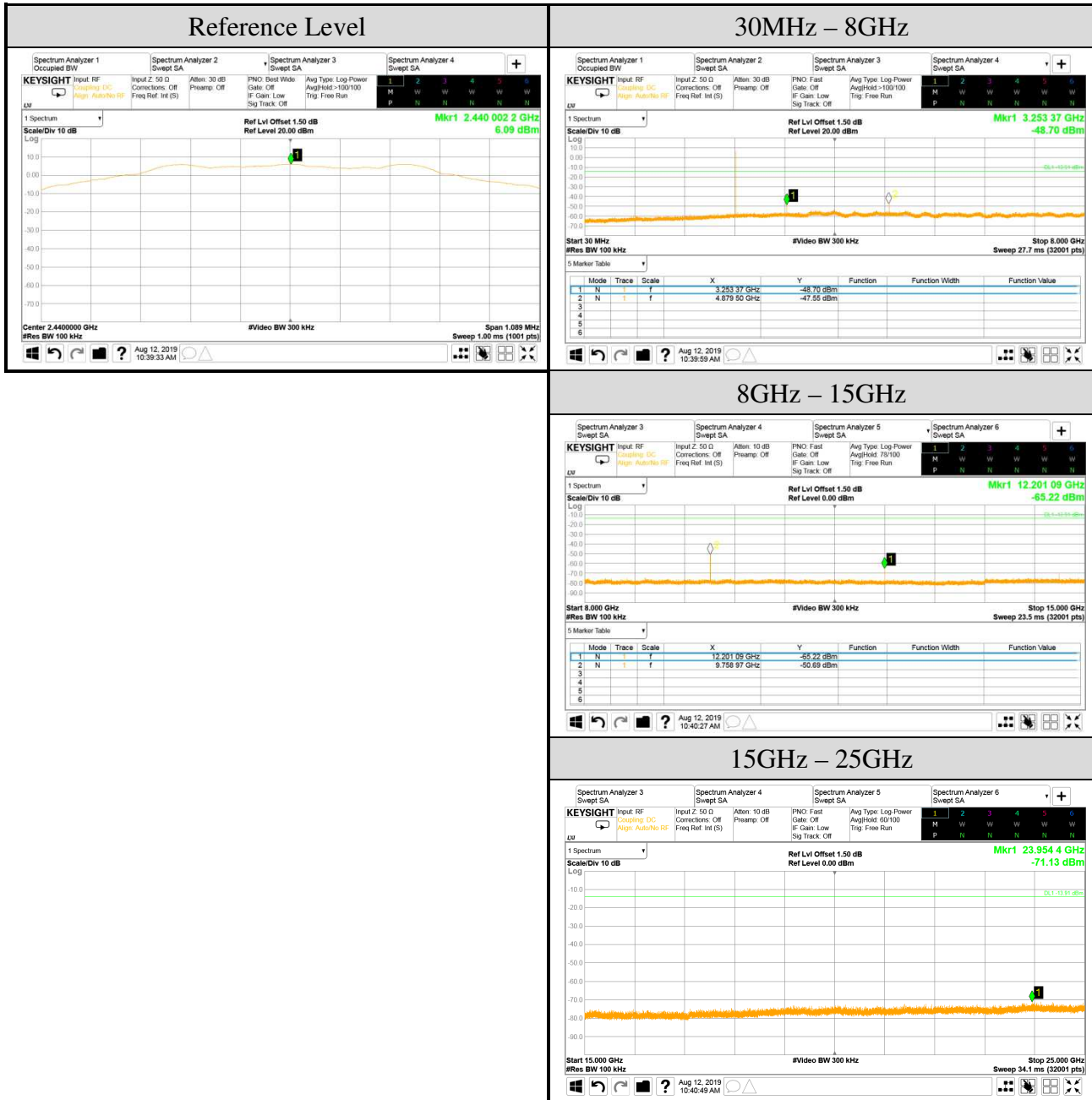
測試日期	2019/08/12	環境溫/濕度	24°C/66%
電纜損失	1.50dB	模式	802.11n-HT20
測試電壓	DC 7.2V (透過鋰電池供電)	測試頻率	2462MHz
Simultaneous Factor10 log(n) (Note: “n” is antenna number)			0



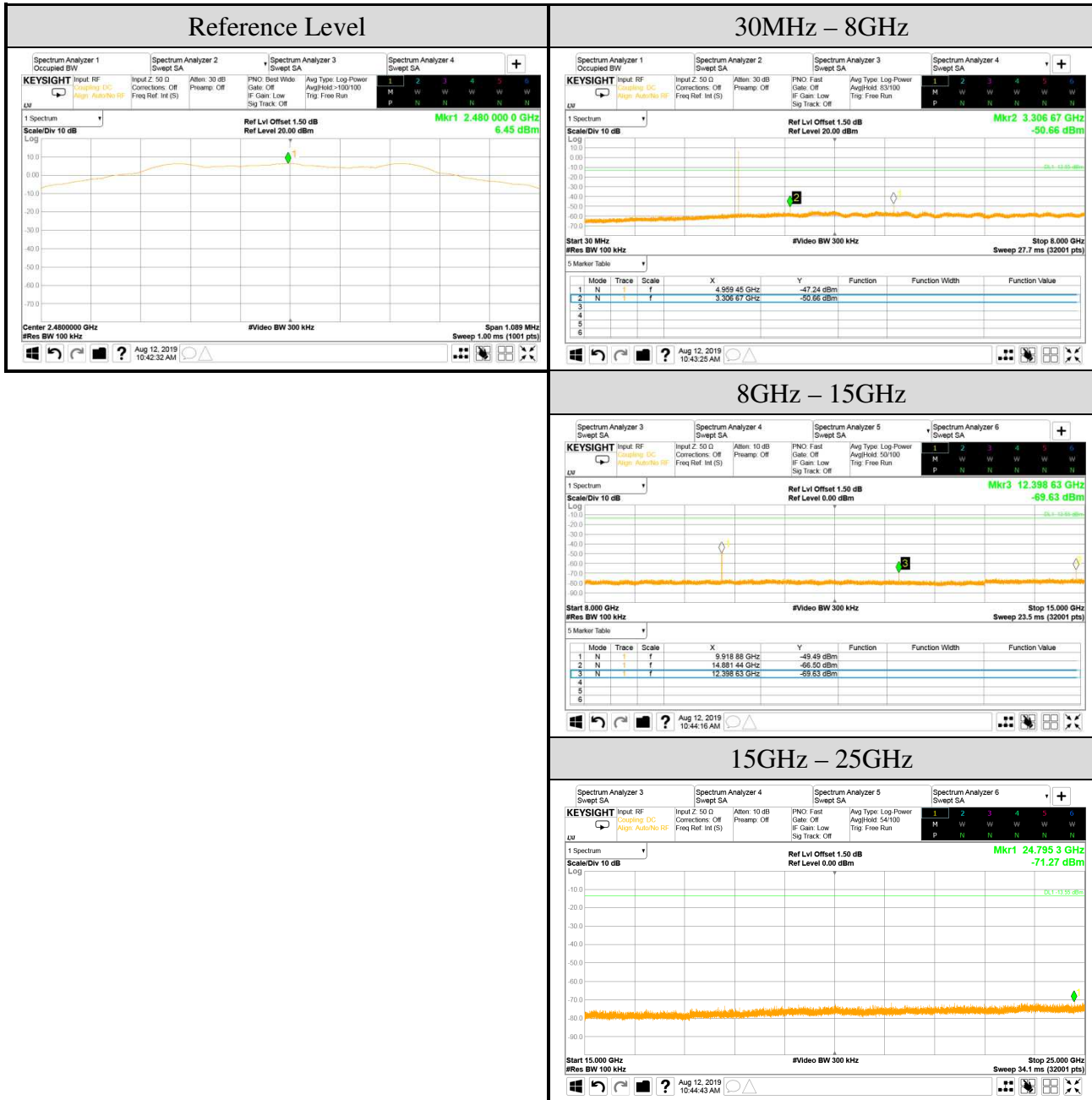
測試日期	2019/08/12	環境溫/濕度	24°C/66%
電纜損失	1.50dB	模式	BLE
測試電壓	DC 7.2V (透過鋰電池供電)	測試頻率	2402MHz
Simultaneous Factor10 log(n) (Note: “n” is antenna number)			0



測試日期	2019/08/12	環境溫/濕度	24°C/66%
電纜損失	1.50dB	模式	BLE
測試電壓	DC 7.2V (透過鋰電池供電)	測試頻率	2440MHz
Simultaneous Factor10 log(n) (Note: "n" is antenna number)			0



測試日期	2019/08/12	環境溫/濕度	24°C/66%
電纜損失	1.50dB	模式	BLE
測試電壓	DC 7.2V (透過鋰電池供電)	測試頻率	2480MHz
Simultaneous Factor10 log(n) (Note: "n" is antenna number)			0



7. 功率密度之量測

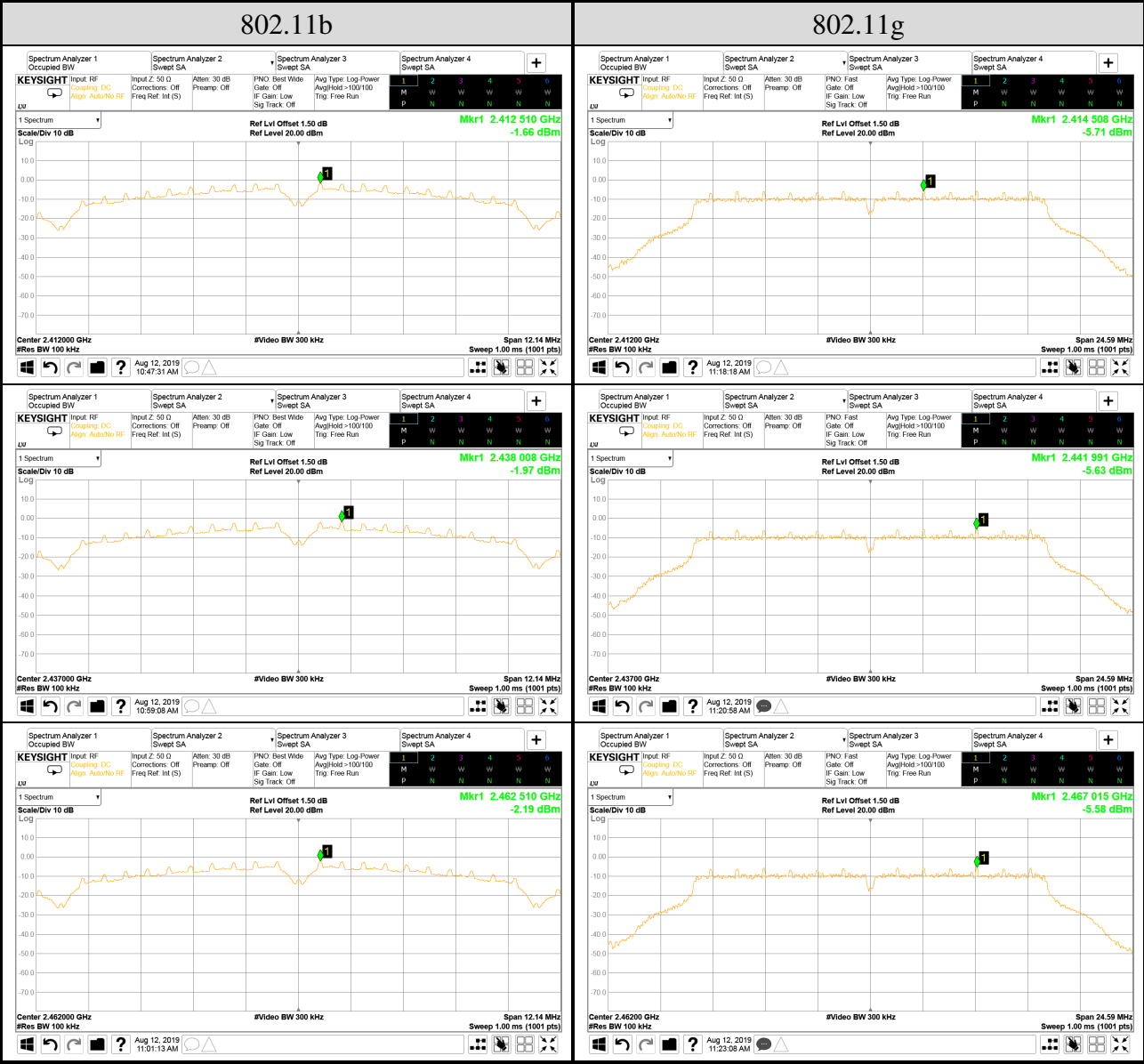
測試日期	2019/08/12	環境溫/濕度	24°C/66%
電纜損失	1.50dB	測試電壓	DC 7.2V (透過鋰電池供電)
Simultaneous Factor $10 \log(n)$ (Note: "n" is antenna number)			0

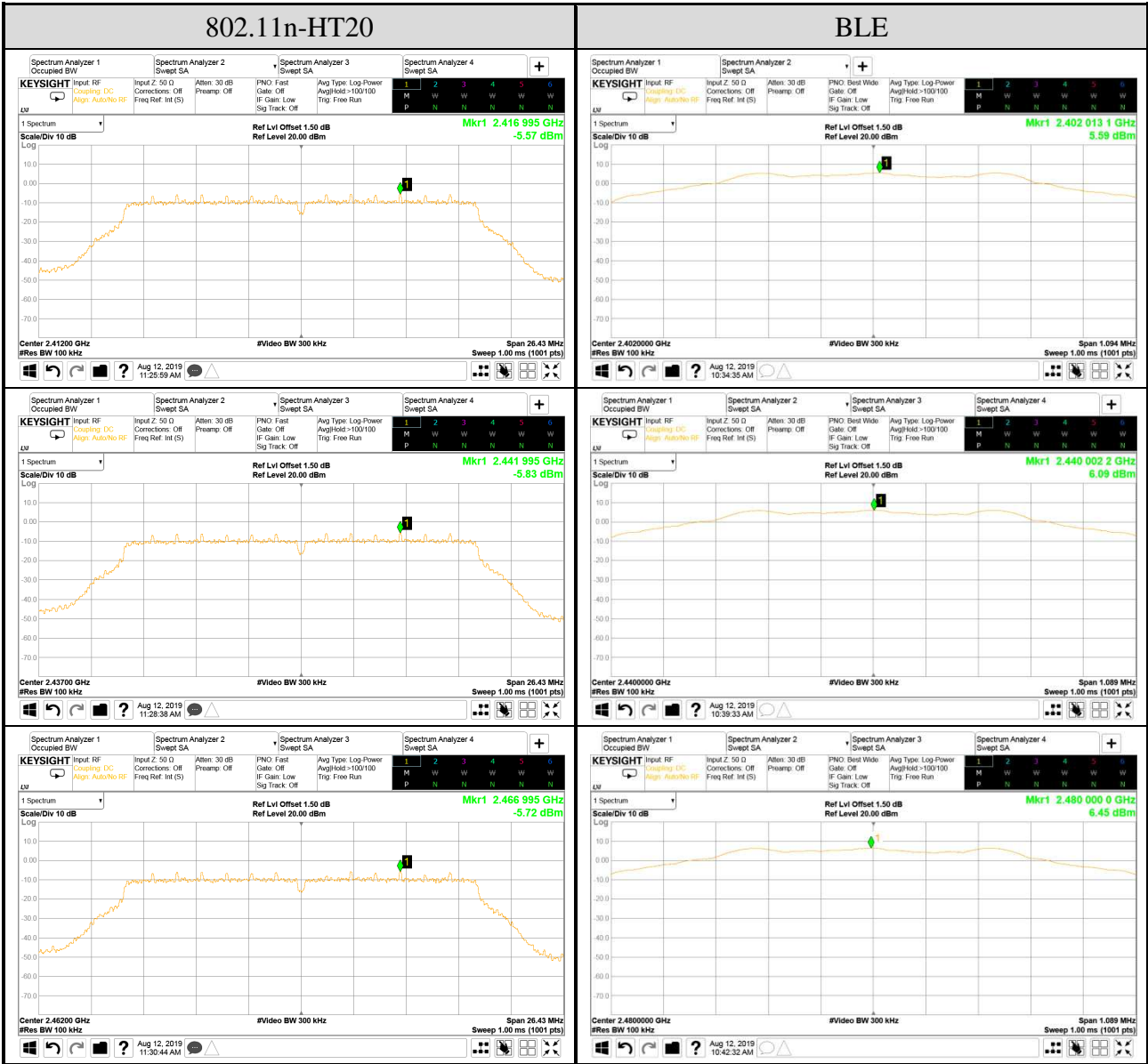
7.1. 功率密度

模式	測試頻率 (MHz)	功率密度 (dBm)	限制值 (dBm)
802.11b	2412	-1.66	8
	2437	-1.97	
	2462	-2.19	
802.11g	2412	-5.71	
	2437	-5.63	
	2462	-5.58	
802.11n-HT20	2412	-5.57	
	2437	-5.83	
	2462	-5.72	
BLE	2402	5.59	
	2440	6.09	
	2480	6.45	

測試結果係依照 FCC 公告之 KDB558074 D01V04，且解析頻寬以 100kHz 量測其測試結果較 3kHz 嚴格

7.2. 功率密度之量測圖





8. 電波暴露量之量測

測試日期	2019/08/08	環境溫/濕度	25°C/65%
測試電壓	DC 7.2V (透過鋰電池供電)		

距離人體(r):	20	cm	
最大發射功率(P):	17.26	dBm	= 53.211 mW
最大天線增益(G):	-1.65	dB	= 0.684 Numerical
MPE (S) = $(P * G) / (4 * \pi * r^2)$ =	0.0072		mW/cm ²
註：1. 最大發射功率系指2.4GHz各模式/頻道中最大之發射功率功率。			
2. 電磁波曝露量MPE標準值1mW/cm ² ，送測產品實測值為：0.0072 mW/cm ²			