

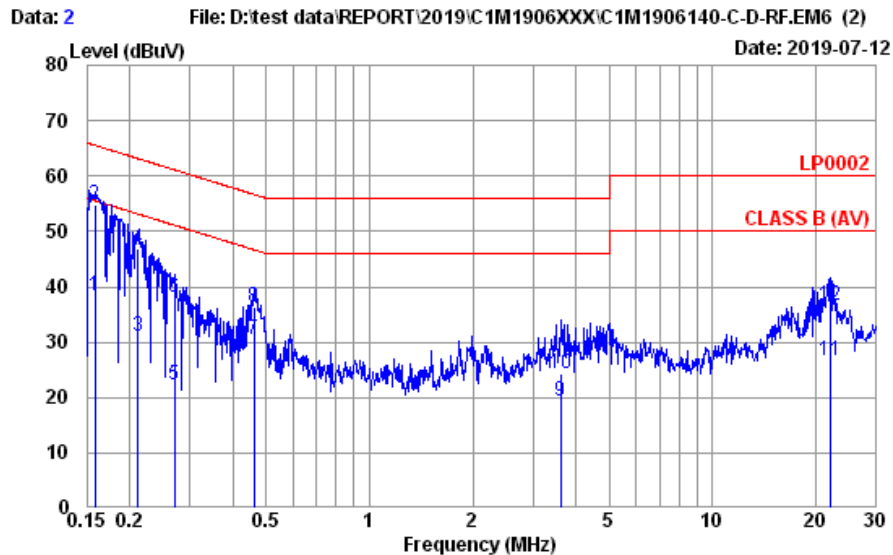
附錄一

受測裝置之測試結果

目錄	頁次
1. 電源線傳導干擾之量測.....	2
2. 場強輻射之量測.....	4
2.1. 30-1000MHz 頻率範圍，其他不必要發射量測	6
2.2. 1000MHz 以上頻率範圍，其他不必要發射量測	9
2.3. 禁用頻帶量測結果（其他不必要發射）.....	12
3. 發射頻寬之量測.....	40
3.1. 發射頻寬.....	40
3.2. 發射頻寬之量測圖	41
4. 峰值輸出功率之量測.....	43
4.1. 峰值輸出功率.....	43
4.2. 平均輸出功率(參考用).....	43
4.3. 峰值輸出功率之量測圖	44
5. 頻帶邊緣之 RF 傳導發射之量測	45
6. 混附發射之 RF 傳導發射之量測	47
7. 功率密度之量測.....	62
7.1. 功率密度.....	62
7.2. 功率密度之量測圖	63
8. 電波暴露量之量測.....	65

1. 電源線傳導干擾之量測

測試日期	2019/07/12	環境溫/濕度	25°C/55%
測試電壓	DC 5V(經 USB 電源供電)		

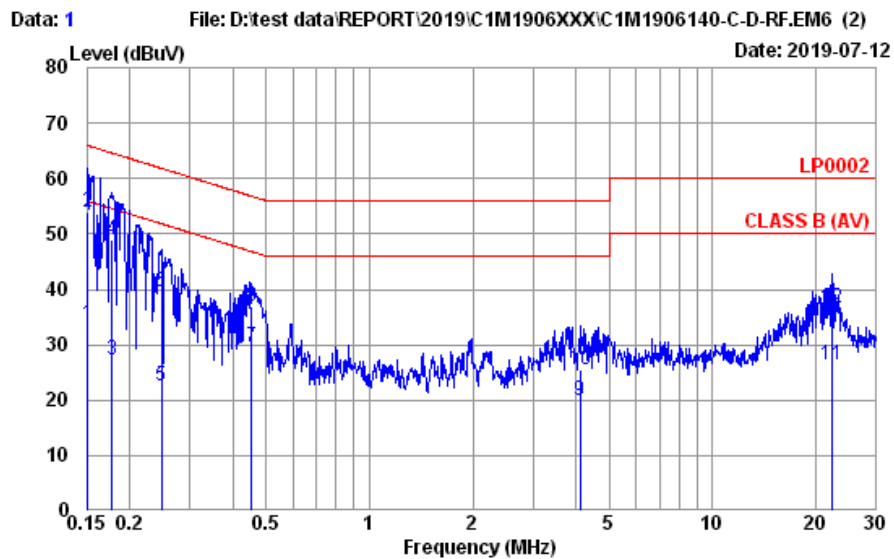


Site no. : No.8 Shielded Room Data no. : 2
Condition : ENV4200 100169 LISN Phase : NEUTRAL
Limit : LP0002
Env. / Ins. : 25°C / 55% ESR3 (1774) Engineer : Chucky Chiu
EUT : NW-ZX507
Power Rating : DC 5V(VIA USB)
Test Mode : Normal

	Freq. (MHz)	AMN Factor (dB)	Cable Loss (dB)	Pulse Att. (dB)	Reading (dBμV)	Emission Level (dBμV)	Limits (dBμV)	Margin (dB)	Remark
1	0.158	10.69	0.03	9.86	17.68	38.26	55.56	17.30	Average
2	0.158	10.69	0.03	9.86	34.28	54.86	65.56	10.70	QP
3	0.212	10.61	0.03	9.86	10.47	30.97	53.14	22.17	Average
4	0.212	10.61	0.03	9.86	26.29	46.79	63.14	16.35	QP
5	0.270	10.56	0.03	9.86	1.92	22.37	51.12	28.75	Average
6	0.270	10.56	0.03	9.86	17.65	38.10	61.12	23.02	QP
7	0.461	10.49	0.04	9.86	10.04	30.43	46.67	16.24	Average
8	0.461	10.49	0.04	9.86	16.00	36.39	56.67	20.28	QP
9	3.603	10.62	0.11	9.87	-1.33	19.27	46.00	26.73	Average
10	3.603	10.62	0.11	9.87	3.84	24.44	56.00	31.56	QP
11	22.063	14.22	0.28	9.96	2.20	26.66	50.00	23.34	Average
12	22.063	14.22	0.28	9.96	12.13	36.59	60.00	23.41	QP

Remarks: 1. Emission Level= AMN Factor + Cable Loss + Pulse Att. + Reading.

測試日期	2019/07/12	環境溫/濕度	25°C/55%
測試電壓	DC 5V(經 USB 電源供電)		



Site no. : No.8 Shielded Room Data no. : 1
Condition : ENV4200 100169 LISN Phase : LINE
Limit : LP0002
Env. / Ins. : 25°C / 55% ESR3 (1774) Engineer : Chucky Chiu
EUT : NW-ZX507
Power Rating : DC 5V(VIA USB)
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	0.151	10.62	0.03	9.86	13.14	33.65	55.96	22.31	Average
2	0.151	10.62	0.03	9.86	33.54	54.05	65.96	11.91	QP
3	0.178	10.57	0.03	9.86	6.86	27.32	54.59	27.27	Average
4	0.178	10.57	0.03	9.86	28.59	49.05	64.59	15.54	QP
5	0.248	10.51	0.03	9.86	2.13	22.53	51.82	29.29	Average
6	0.248	10.51	0.03	9.86	19.27	39.67	61.82	22.15	QP
7	0.454	10.45	0.04	9.86	9.36	29.71	46.80	17.09	Average
8	0.454	10.45	0.04	9.86	16.63	36.98	56.80	19.82	QP
9	4.114	10.57	0.11	9.87	-0.49	20.06	46.00	25.94	Average
10	4.114	10.57	0.11	9.87	4.90	25.45	56.00	30.55	QP
11	22.180	13.80	0.28	9.96	2.45	26.49	50.00	23.51	Average
12	22.180	13.80	0.28	9.96	12.52	36.56	60.00	23.44	QP

Remarks: 1. Emission Level= AMN Factor + Cable Loss + Pulse Att. + Reading.

2. 場強輻射之量測

對受測物裝置之其他不必要之發射(測至本地振盪頻率之 10 次諧波)依下列測試模式分別於電波暗室內進行量測，**實驗室先將發射機分別以三種不同的擺設方式(站立、平放、側立)進行量試評估，最後選取最大場強值的擺設方式(平放)以低、中、高頻率來進行量測**，並將下列測試模式之掃頻圖隨案件所附。最後，選擇較差模式進行讀值之測量，所得讀值資料請見章節 2.1 ~2.2：

Normal 模式

模式	動作狀態	基本頻率	量測頻率範圍
Normal	滿接周邊設備	---	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	2437MHz	1000-25000MHz
802.11g	發射	2462MHz	1000-25000MHz
802.11n-HT20	發射	2437MHz*	30-1000MHz
			1000-25000MHz
---	接收	2437MHz	30-1000MHz
			1000-25000MHz

註: 1.以上所有模式之掃頻圖是檢附於附錄中。

2.*: 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*	30-1000MHz
			1000-25000MHz
	發射	2440MHz	1000-25000MHz
	發射	2480MHz	1000-25000MHz
	接收	2440MHz	30-1000MHz
			1000-25000MHz

註: 1.以上所有模式之掃頻圖是檢附於附錄中。

2.*: 經評估後，以最差頻率進行 30-1000MHz 量測。

對受測物裝置落於技術規範第 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
		2467MHz (CH12)	2450-2530MHz
		2472MHz (CH13)	2450-2530MHz
802.11g	發射	2412MHz (CH1)	2310-2430MHz
		2462MHz (CH11)	2450-2530MHz
		2467MHz (CH12)	2450-2530MHz
		2472MHz (CH13)	2450-2530MHz
802.11n-HT20	發射	2412MHz (CH1)	2310-2430MHz
		2462MHz (CH11)	2450-2530MHz
		2467MHz (CH12)	2450-2530MHz
		2472MHz (CH13)	2450-2530MHz
BLE	發射	2402MHz (CH37)	2310-2430MHz
		2480MHz (CH39)	2450-2530MHz

測試日期	2019/07/15 ~ 08/02	環境溫/濕度	24°C/50~52%
測試電壓	(1)Normal 模式: DC 5V(經 USB 電源供電) (2)發射模式: DC 3.7V(經鋰電池供電)		

2.1. 30-1000MHz 頻率範圍，其他不必要發射量測

● Normal 模式

Mode	Normal	Frequency	---
------	--------	-----------	-----

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
120.21	18.63	2.53	11.19	32.35	43.50	11.15	Peak
207.51	16.71	3.51	14.86	35.08	43.50	8.42	Peak
276.38	19.30	4.21	14.45	37.96	46.00	8.04	Peak
361.74	21.45	5.37	6.82	33.64	46.00	12.36	Peak
482.99	23.49	6.61	3.40	33.50	46.00	12.50	Peak
825.40	26.70	8.05	5.15	39.90	46.00	6.10	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
40.67	19.30	1.40	11.66	32.36	40.00	7.64	Peak
120.21	18.63	2.53	9.30	30.46	43.50	13.04	Peak
207.51	16.71	3.51	10.82	31.04	43.50	12.46	Peak
277.35	19.32	4.22	7.82	31.36	46.00	14.64	Peak
666.32	25.22	7.21	3.45	35.88	46.00	10.12	Peak
829.28	26.75	8.07	8.86	43.68	46.00	2.32	Peak

● Wireless LAN 模式

Mode	802.11n-HT20	Frequency	TX 2437MHz
------	--------------	-----------	------------

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
101.78	17.50	2.31	4.99	24.80	43.50	18.70	Peak
160.95	16.44	3.02	2.05	21.51	43.50	21.99	Peak
263.77	19.08	4.08	1.68	24.84	46.00	21.16	Peak
346.22	21.06	5.15	2.58	28.79	46.00	17.21	Peak
446.13	23.04	6.30	1.98	31.32	46.00	14.68	Peak
583.87	24.62	6.86	1.63	33.11	46.00	12.89	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
114.39	18.33	2.47	1.75	22.55	43.50	20.95	Peak
168.71	15.98	3.11	5.39	24.48	43.50	19.02	Peak
328.76	20.56	4.89	2.32	27.77	46.00	18.23	Peak
390.84	22.17	5.75	2.23	30.15	46.00	15.85	Peak
514.03	23.86	6.77	2.40	33.03	46.00	12.97	Peak
722.58	25.69	7.49	10.05	43.23	46.00	2.77	Peak

Mode	Wireless LAN	Frequency	RX 2437MHz
------	--------------	-----------	------------

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
101.78	17.50	2.31	3.99	23.80	43.50	19.70	Peak
249.22	18.78	3.93	2.43	25.14	46.00	20.86	Peak
286.08	19.47	4.30	1.97	25.74	46.00	20.26	Peak
367.56	21.61	5.45	1.07	28.13	46.00	17.87	Peak
445.16	23.02	6.29	1.14	30.45	46.00	15.55	Peak
722.58	25.69	7.49	3.09	36.27	46.00	9.73	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
124.09	18.41	2.58	1.93	22.92	43.50	20.58	Peak
243.40	18.50	3.88	2.10	24.48	46.00	21.52	Peak
289.96	19.54	4.34	2.69	26.57	46.00	19.43	Peak
337.49	20.79	5.02	2.60	28.41	46.00	17.59	Peak
571.26	24.47	6.85	2.27	33.59	46.00	12.41	Peak
722.58	25.69	7.49	9.80	42.98	46.00	3.02	Peak

● BLE 測試模式

Mode	BLE	Frequency	TX 2402MHz
------	-----	-----------	------------

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
101.78	17.50	2.31	4.71	24.52	43.50	18.98	Peak
199.75	16.27	3.42	19.85	39.54	43.50	3.96	Peak
216.24	17.15	3.60	14.61	35.36	46.00	10.64	Peak
312.27	20.07	4.63	6.93	31.63	46.00	14.37	Peak
348.16	21.09	5.18	5.34	31.61	46.00	14.39	Peak
687.66	25.36	7.30	2.42	35.08	46.00	10.92	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
114.39	18.33	2.47	4.96	25.76	43.50	17.74	Peak
199.75	16.27	3.42	11.87	31.56	43.50	11.94	Peak
312.27	20.07	4.63	4.70	29.40	46.00	16.60	Peak
465.53	23.29	6.47	3.98	33.74	46.00	12.26	Peak
491.72	23.62	6.68	4.64	34.94	46.00	11.06	Peak
687.66	25.36	7.30	4.45	37.11	46.00	8.89	Peak

Mode	BLE	Frequency	RX 2440MHz
------	-----	-----------	------------

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
101.78	17.50	2.31	5.41	25.22	43.50	18.28	Peak
189.08	15.81	3.32	3.35	22.48	43.50	21.02	Peak
296.75	19.66	4.40	1.76	25.82	46.00	20.18	Peak
405.39	22.48	5.92	2.07	30.47	46.00	15.53	Peak
583.87	24.62	6.86	1.66	33.14	46.00	12.86	Peak
722.58	25.69	7.49	3.11	36.29	46.00	9.71	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
120.21	18.63	2.53	1.68	22.84	43.50	20.66	Peak
160.95	16.44	3.02	2.59	22.05	43.50	21.45	Peak
296.75	19.66	4.40	2.90	26.96	46.00	19.04	Peak
447.10	23.04	6.31	2.30	31.65	46.00	14.35	Peak
611.03	24.85	6.94	1.96	33.75	46.00	12.25	Peak
722.58	25.69	7.49	9.95	43.13	46.00	2.87	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	---
------	--------	-----------	-----

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
3895.00	33.59	9.56	1.96	45.11	54.00	8.89	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
3988.00	33.45	9.66	6.15	49.26	54.00	4.74	Peak

● Wireless LAN 模式

Mode	802.11b	Frequency	TX 2437MHz
------	---------	-----------	------------

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
4874.00	34.23	10.38	0.95	45.56	54.00	8.44	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
4874.00	34.23	10.38	0.73	45.34	54.00	8.66	Peak

Mode	802.11g	Frequency	TX 2462MHz
------	---------	-----------	------------

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
4924.00	34.26	10.42	-1.17	43.51	54.00	10.49	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
4924.00	34.26	10.42	-0.44	44.24	54.00	9.76	Peak

Mode	802.11n-HT20	Frequency	TX 2437MHz
------	--------------	-----------	------------

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
4874.00	34.23	10.38	-1.75	42.86	54.00	11.14	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
4874.00	34.23	10.38	-0.36	44.25	54.00	9.75	Peak

Mode	---	Frequency	RX 2437MHz
------	-----	-----------	------------

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
4874.00	34.23	10.38	-2.46	42.15	54.00	11.85	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
4874.00	34.23	10.38	-2.45	42.16	54.00	11.84	Peak

● BLE 測試模式

Mode	BLE	Frequency	TX 2402MHz
------	-----	-----------	------------

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
4804.00	34.19	10.31	3.69	48.19	54.00	5.81	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
4804.00	34.19	10.31	2.49	46.99	54.00	7.01	Peak

Mode	BLE	Frequency	TX 2440MHz
------	-----	-----------	------------

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	34.23	10.38	3.29	47.90	54.00	6.10	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	34.23	10.38	1.12	45.73	54.00	8.27	Peak

Mode	BLE	Frequency	TX 2480MHz
------	-----	-----------	------------

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	34.28	10.45	0.66	45.39	54.00	8.61	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	34.28	10.45	-1.17	43.56	54.00	10.44	Peak

Mode	BLE	Frequency	RX2440MHz
------	-----	-----------	-----------

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	34.23	10.38	-2.24	42.37	54.00	11.63	Peak

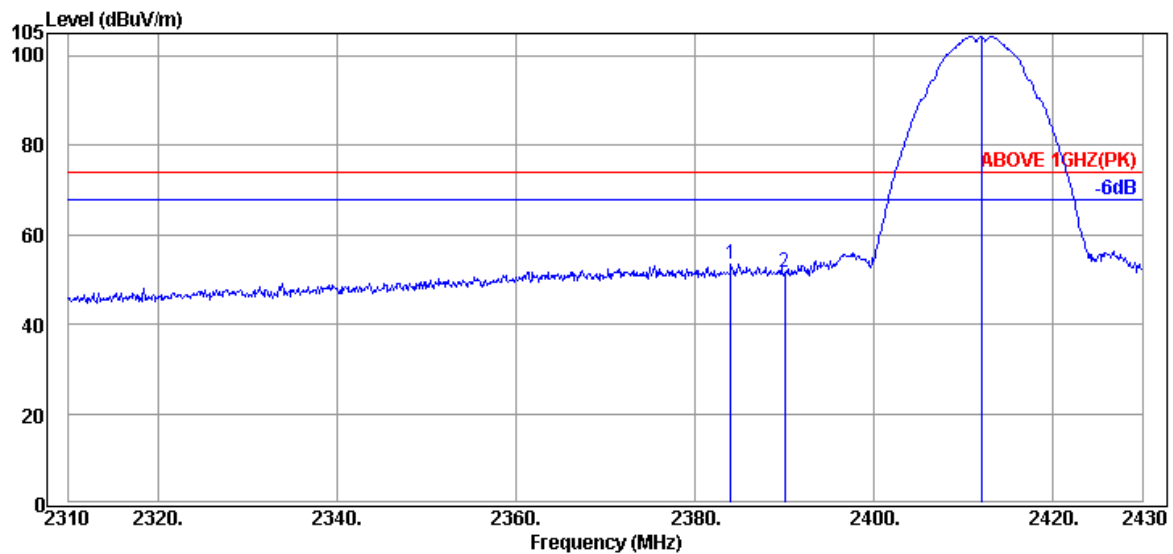
Antenna at Vertical Polarization

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	34.23	10.38	-1.55	43.06	54.00	10.94	Peak

2.3. 禁用頻帶量測結果 (其他不必要發射)

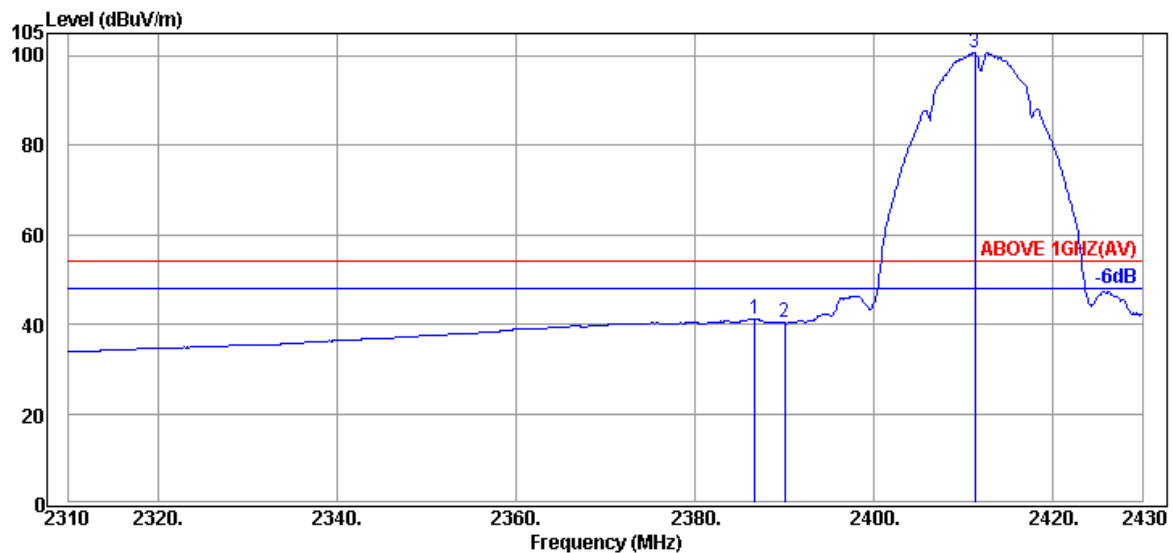
- Wireless LAN 模式

Mode	802.11b	Frequency	TX 2412MHz
------	---------	-----------	------------



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
2384.04	32.52	8.17	12.77	53.46	74.00	20.54	Peak
2390.04	32.52	8.17	10.86	51.55	74.00	22.45	Peak
@ 2412.00	32.64	8.18	63.51	104.33	---	---	Peak

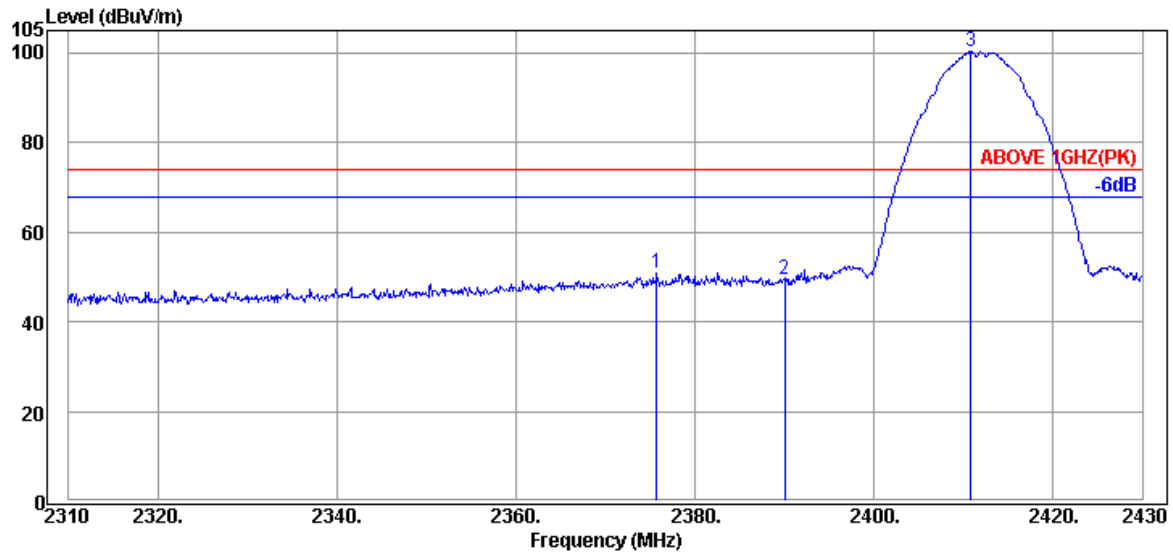


Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
2386.68	32.52	8.17	0.50	41.19	54.00	12.81	Average
2390.04	32.52	8.17	-0.41	40.28	54.00	13.72	Average
@ 2411.28	32.64	8.18	60.01	100.83	---	---	Average

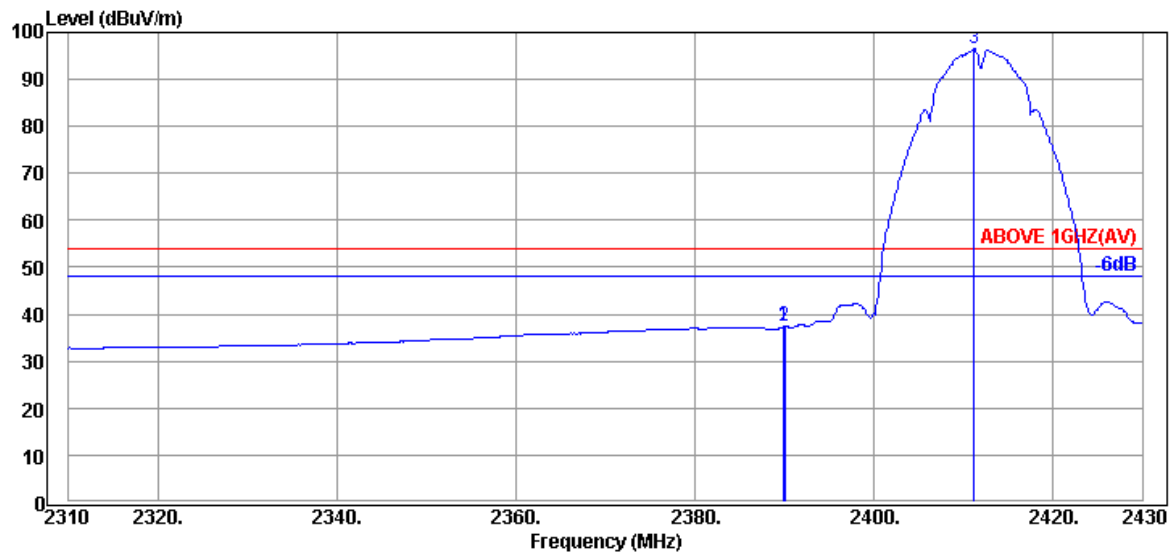
備註：“@”為主波，在此章節是不予以判定。

Mode	802.11b	Frequency	TX 2412MHz
------	---------	-----------	------------



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
2375.76	32.46	8.17	10.22	50.85	74.00	23.15	Peak
2390.04	32.52	8.17	8.86	49.55	74.00	24.45	Peak
@ 2410.80	32.61	8.18	59.39	100.18	---	---	Peak

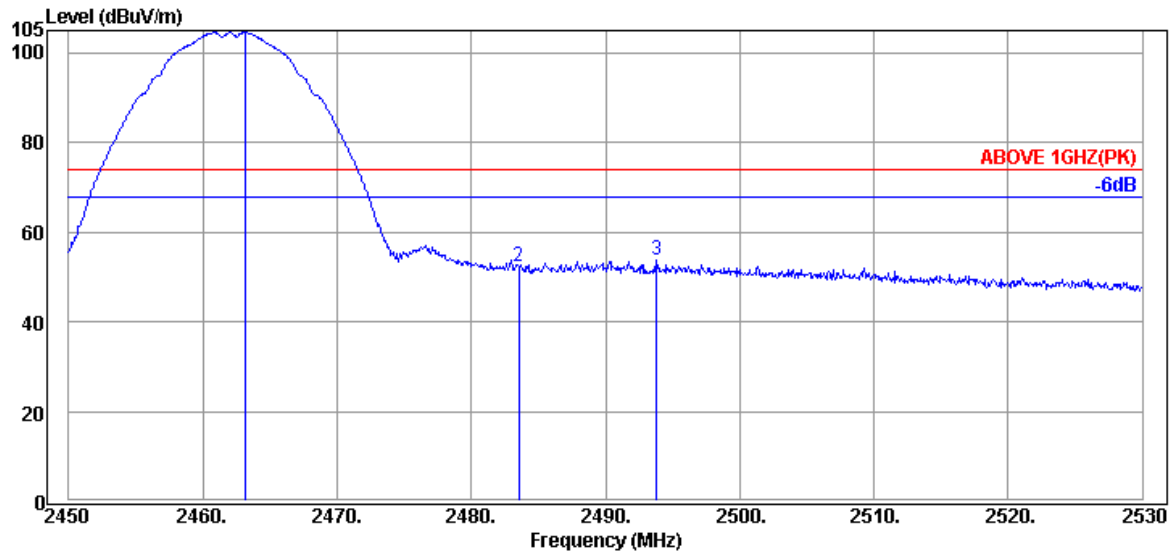


Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
2389.92	32.52	8.17	-3.37	37.32	54.00	16.68	Average
2390.04	32.52	8.17	-3.33	37.36	54.00	16.64	Average
@ 2411.16	32.61	8.18	55.65	96.44	---	---	Average

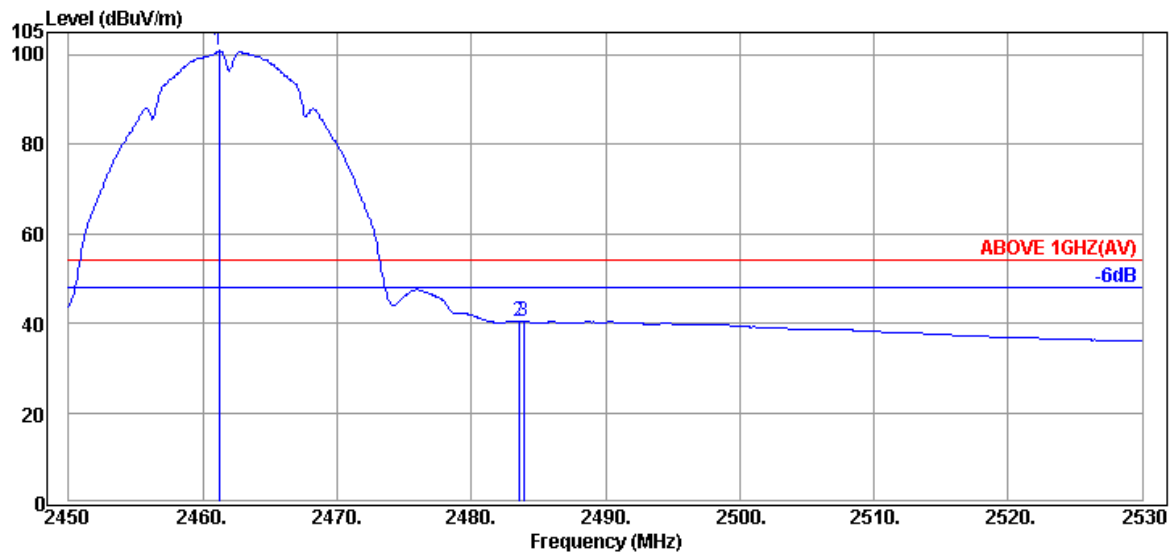
備註：“@”為主波，在此章節是不予以判定。

Mode	802.11b	Frequency	TX 2462MHz
------	---------	-----------	------------



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
@	2463.12	32.85	8.20	63.51	104.56	---	---	Peak
	2483.52	32.94	8.20	11.22	52.36	74.00	21.64	Peak
	2493.84	32.97	8.21	12.59	53.77	74.00	20.23	Peak

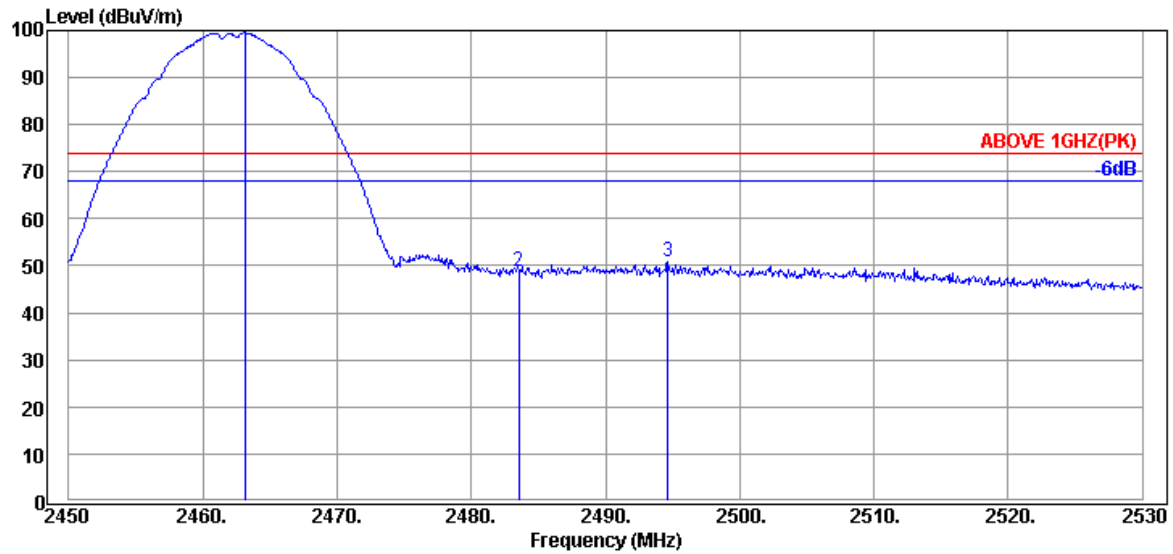


Antenna at Horizontal Polarization

	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	32.85	8.20	59.81	100.86	---	---	Average
	2483.52	32.94	8.20	-0.82	40.32	54.00	13.68	Average
	2483.92	32.94	8.20	-0.79	40.35	54.00	13.65	Average

備註：“@”為主波，在此章節是不予以判定。

Mode	802.11b	Frequency	TX 2462MHz
------	---------	-----------	------------



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
@	2463.20	32.85	8.20	58.46	99.51	---	---	Peak
	2483.52	32.94	8.20	7.80	48.94	74.00	25.06	Peak
	2494.64	32.97	8.21	9.53	50.71	74.00	23.29	Peak

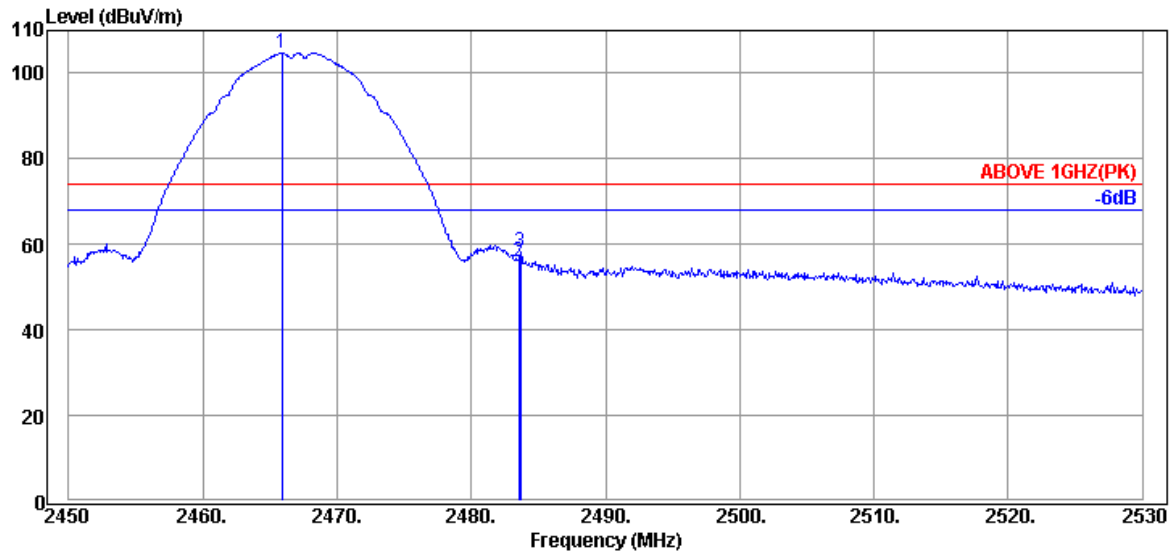


Antenna at Vertical Polarization

	Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBUV)	Emission Level (dBUV/m)	Limits (dBUV/m)	Margin (dB)	Detector
@	2462.88	32.85	8.20	54.99	96.04	---	---	Average
	2483.52	32.94	8.20	-4.14	37.00	54.00	17.00	Average
	2490.32	32.97	8.21	-3.96	37.22	54.00	16.78	Average

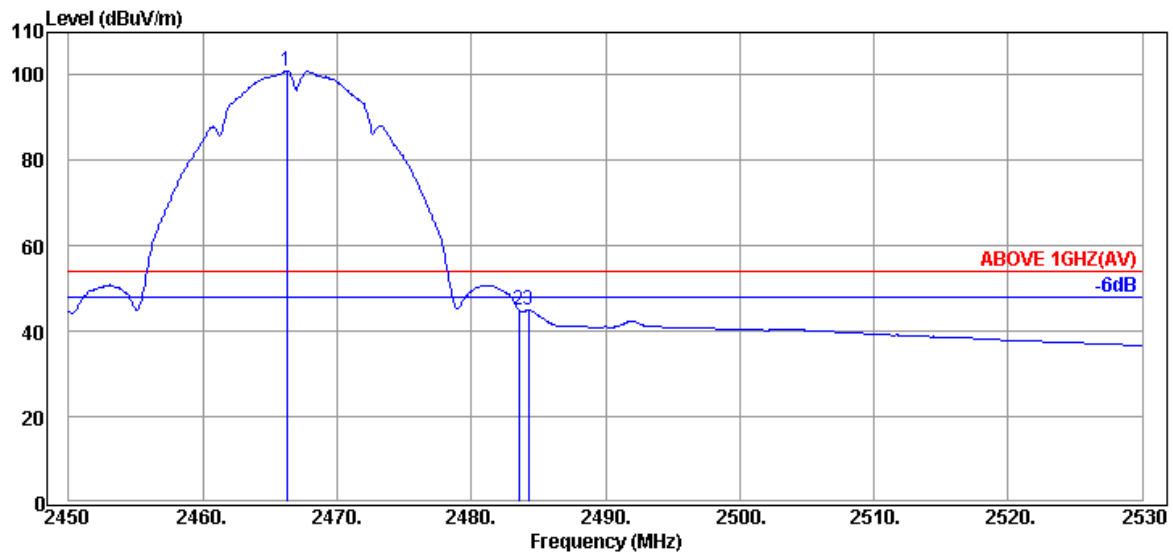
備註：“@”為主波，在此章節是不予以判定。

Mode	802.11b	Frequency	TX 2467MHz
------	---------	-----------	------------



Antenna at Horizontal Polarization

	Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBUV)	Emission Level (dBUV/m)	Limits (dBUV/m)	Margin (dB)	Detector
@	2465.92	32.64	8.20	63.80	104.64	---	---	Peak
	2483.52	32.57	8.20	15.05	55.82	74.00	18.18	Peak
	2483.68	32.57	8.20	17.45	58.22	74.00	15.78	Peak

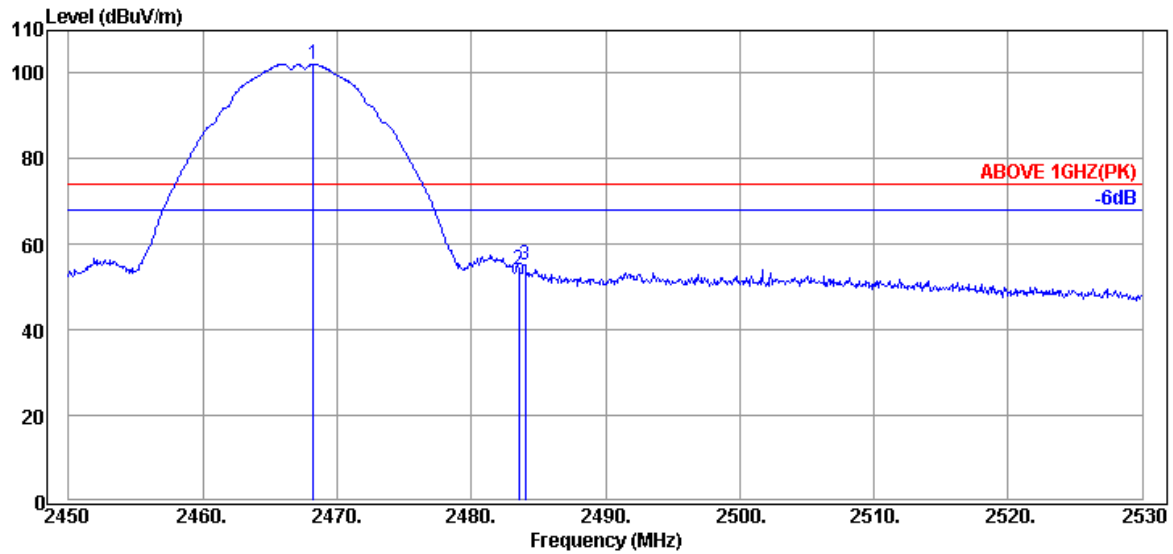


Antenna at Horizontal Polarization

	Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBUV)	Emission Level (dBUV/m)	Limits (dBUV/m)	Margin (dB)	Detector
@	2466.24	32.64	8.20	60.19	101.03	---	---	Average
	2483.52	32.57	8.20	4.16	44.93	54.00	9.07	Average
	2484.24	32.56	8.20	4.19	44.95	54.00	9.05	Average

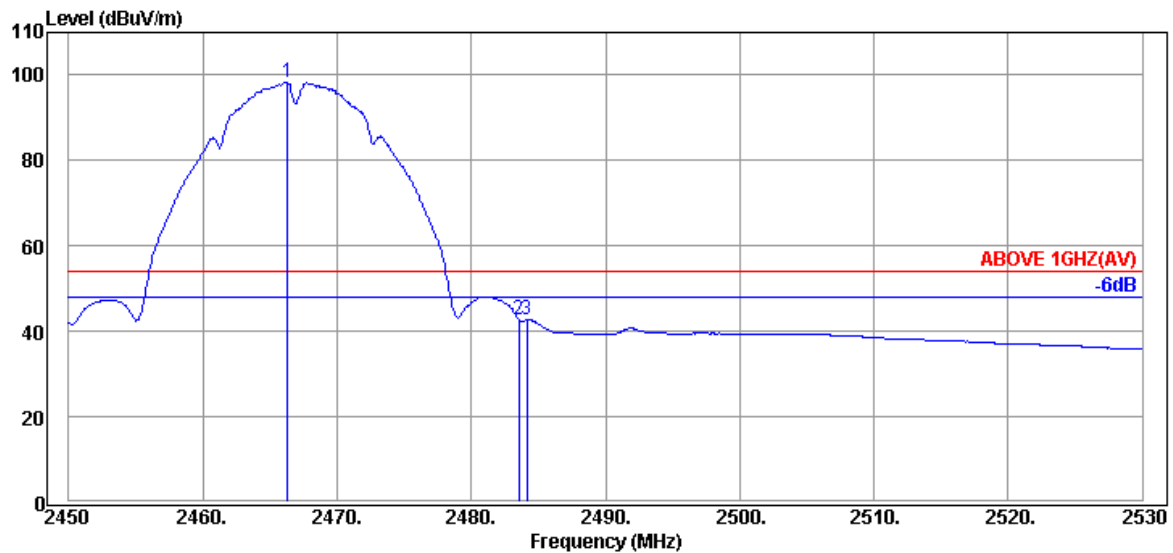
備註：“@”為主波，在此章節是不予以判定。

Mode	802.11b	Frequency	TX 2467MHz
------	---------	-----------	------------



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
@	2468.24	32.63	8.20	61.28	102.11	---	---	Peak
	2483.52	32.57	8.20	13.23	54.00	74.00	20.00	Peak
	2484.00	32.56	8.20	14.39	55.15	74.00	18.85	Peak

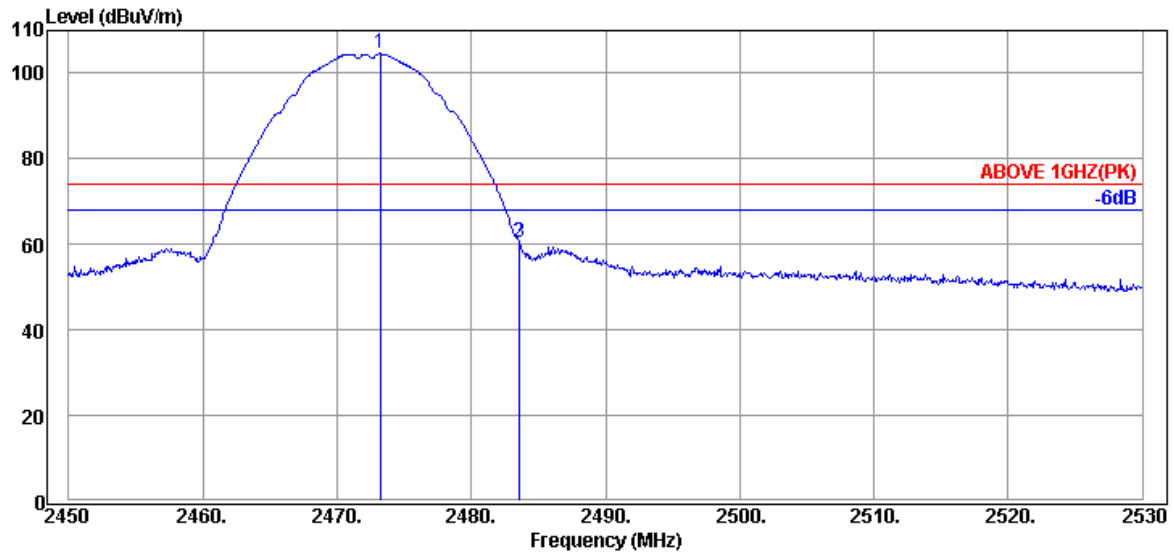


Antenna at Vertical Polarization

	Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBUV)	Emission Level (dBUV/m)	Limits (dBUV/m)	Margin (dB)	Detector
@	2466.32	32.63	8.20	57.53	98.36	---	---	Average
	2483.52	32.57	8.20	1.96	42.73	54.00	11.27	Average
	2484.16	32.56	8.20	1.90	42.66	54.00	11.34	Average

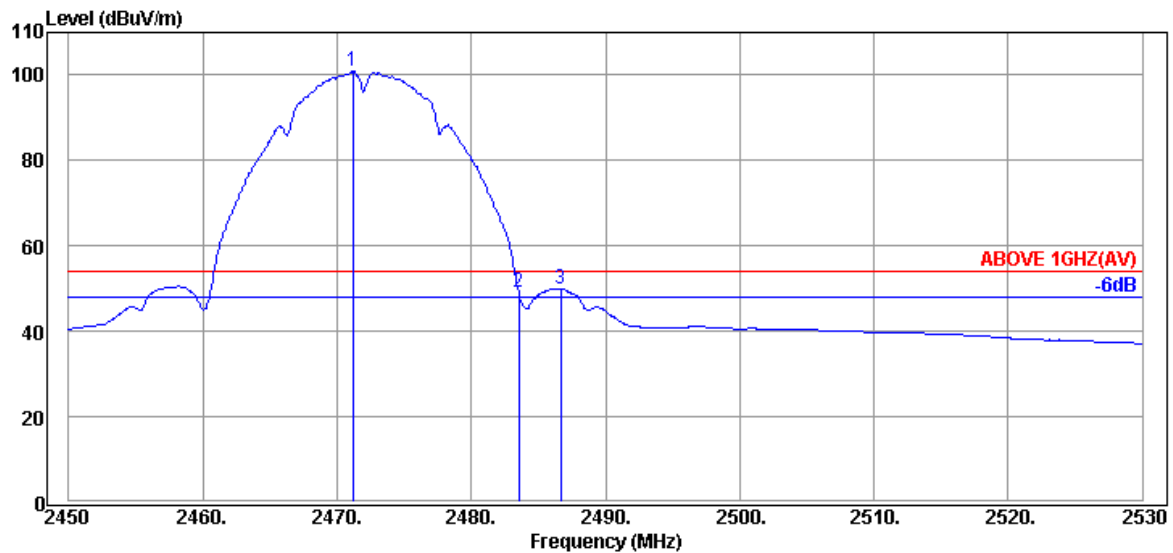
備註：“@”為主波，在此章節是不予以判定。

Mode	802.11b	Frequency	TX 2472MHz
------	---------	-----------	------------



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
@	2473.20	32.61	8.20	63.75	104.56	---	---	Peak
	2483.52	32.57	8.20	19.56	60.33	74.00	13.67	Peak
	2483.60	32.57	8.20	19.62	60.39	74.00	13.61	Peak

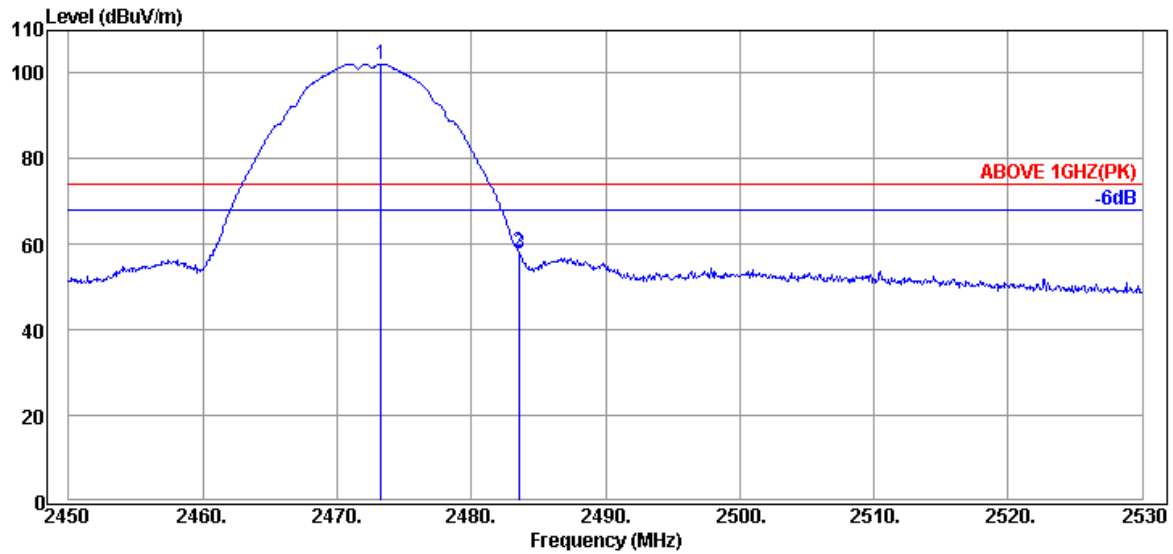


Antenna at Horizontal Polarization

	Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@	2471.20	32.62	8.20	60.10	100.92	---	---	Average
	2483.52	32.57	8.20	8.24	49.01	54.00	4.99	Average
	2486.64	32.55	8.21	9.32	50.08	54.00	3.92	Average

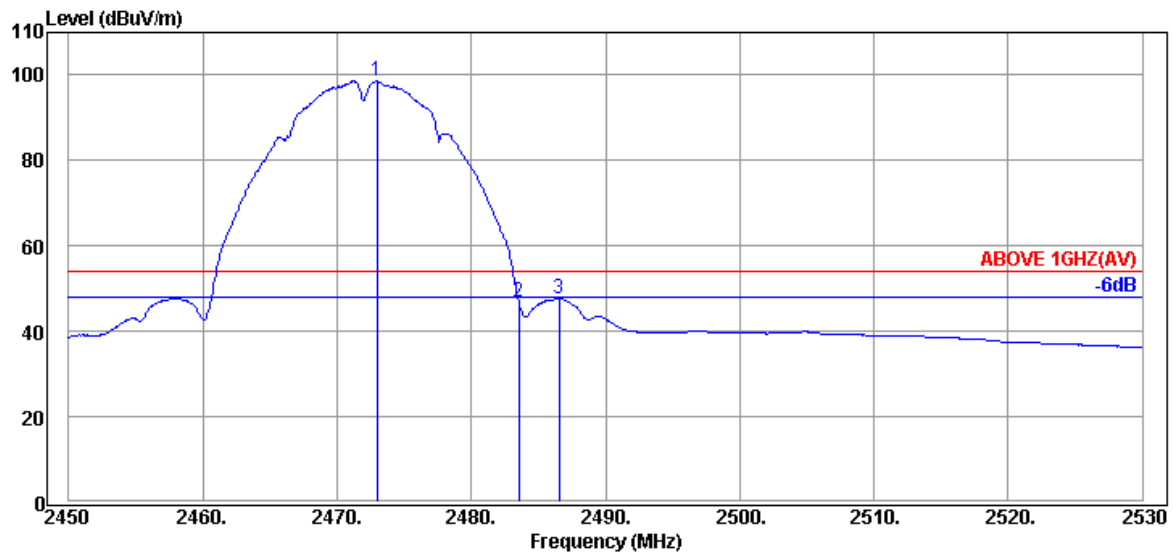
備註：“@”為主波，在此章節是不予以判定。

Mode	802.11b	Frequency	TX 2472MHz
------	---------	-----------	------------



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
@	2473.28	32.61	8.20	61.43	102.24	---	---	Peak
	2483.52	32.57	8.20	17.32	58.09	74.00	15.91	Peak
	2483.60	32.57	8.20	17.23	58.00	74.00	16.00	Peak

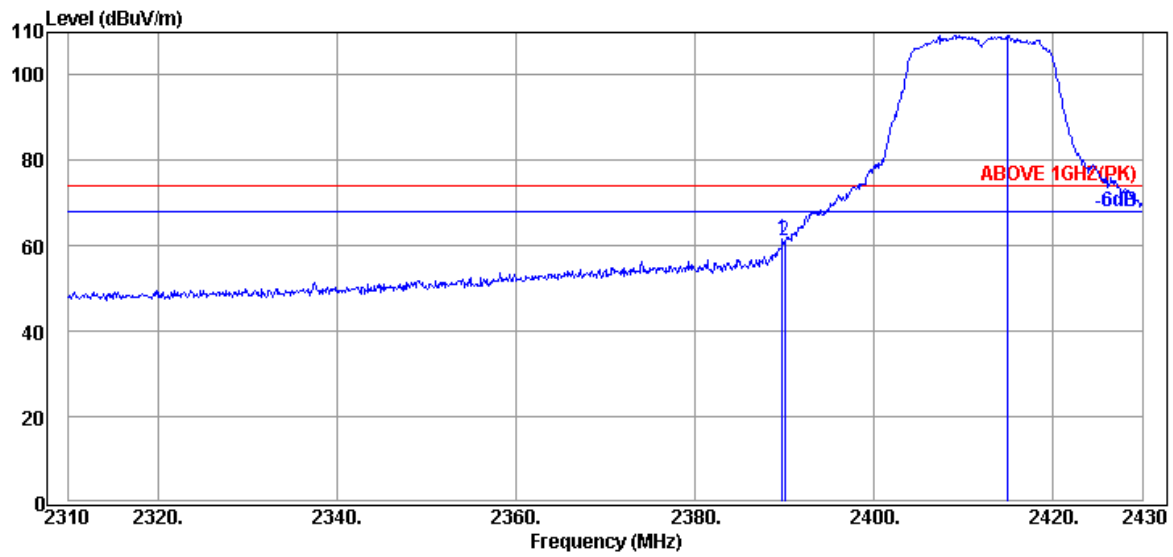


Antenna at Vertical Polarization

	Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@	2472.96	32.61	8.20	57.99	98.80	---	---	Average
	2483.52	32.57	8.20	6.17	46.94	54.00	7.06	Average
	2486.56	32.55	8.21	6.79	47.55	54.00	6.45	Average

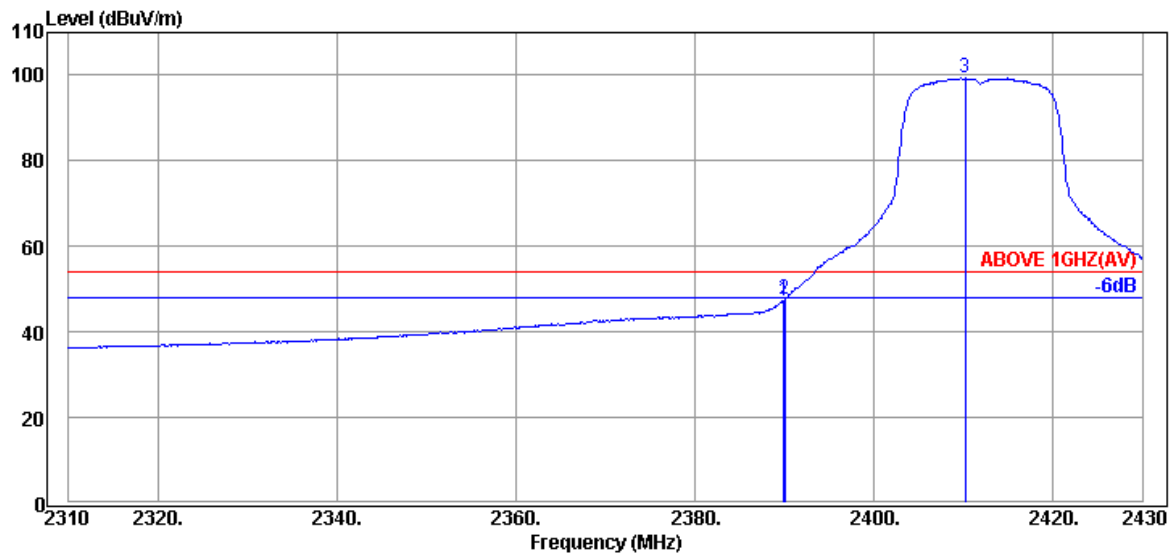
備註：“@”為主波，在此章節是不予以判定。

Mode	802.11g	Frequency	TX 2412MHz
------	---------	-----------	------------



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
2389.80	32.52	8.17	20.93	61.62	74.00	12.38	Peak
2390.04	32.52	8.17	20.38	61.07	74.00	12.93	Peak
@ 2415.00	32.64	8.18	68.48	109.30	---	---	Peak

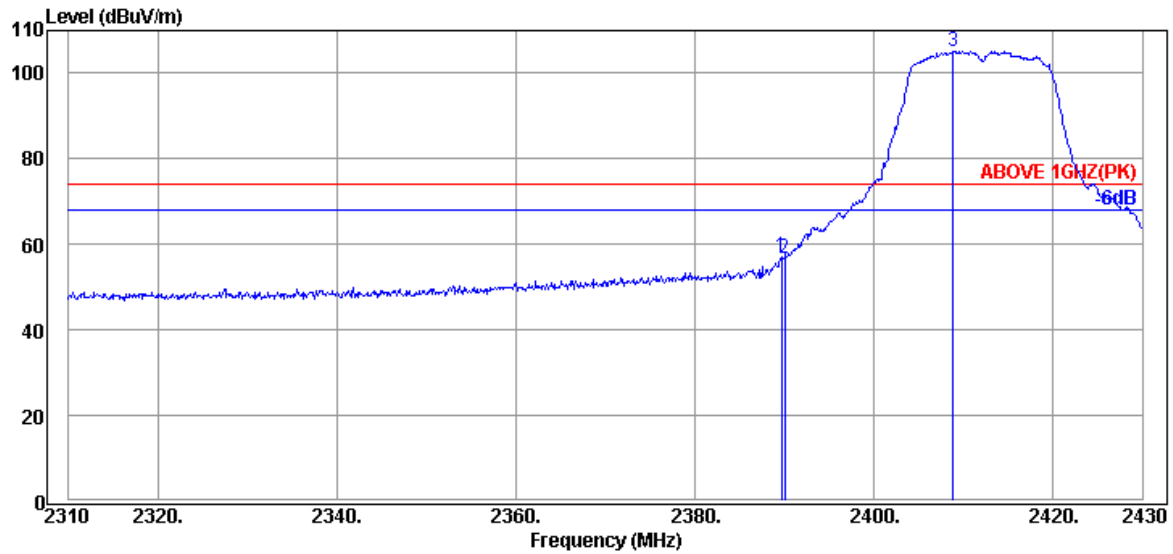


Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
2389.92	32.52	8.17	6.72	47.41	54.00	6.59	Average
2390.04	32.52	8.17	7.01	47.70	54.00	6.30	Average
@ 2410.20	32.61	8.18	58.50	99.29	---	---	Average

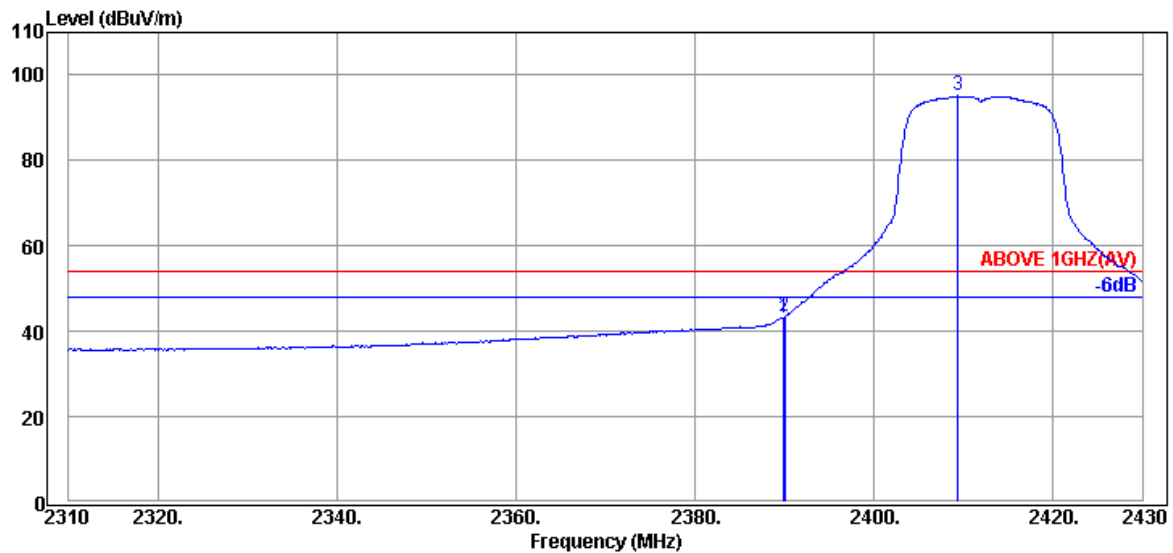
備註：“@”為主波，在此章節是不予以判定。

Mode	802.11g	Frequency	TX 2412MHz
------	---------	-----------	------------



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
2389.68	32.52	8.17	16.49	57.18	74.00	16.82	Peak
2390.04	32.52	8.17	15.85	56.54	74.00	17.46	Peak
@ 2408.88	32.61	8.18	64.35	105.14	---	---	Peak

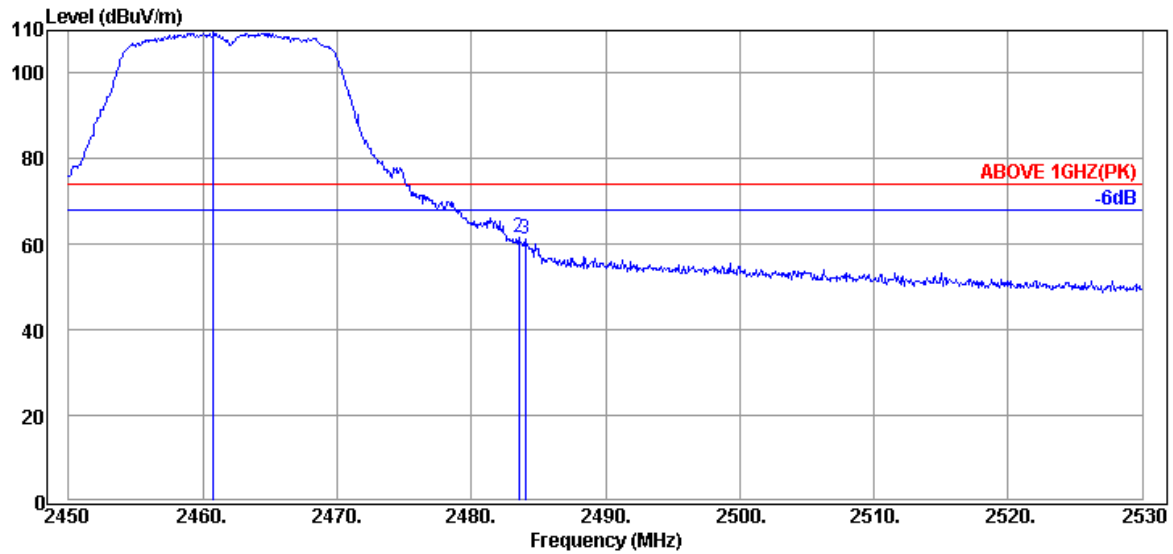


Antenna at Vertical Polarization

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	32.52	8.17	2.58	43.27	54.00	10.73	Average
2390.04	32.52	8.17	2.89	43.58	54.00	10.42	Average
@ 2409.36	32.61	8.18	54.30	95.09	---	---	Average

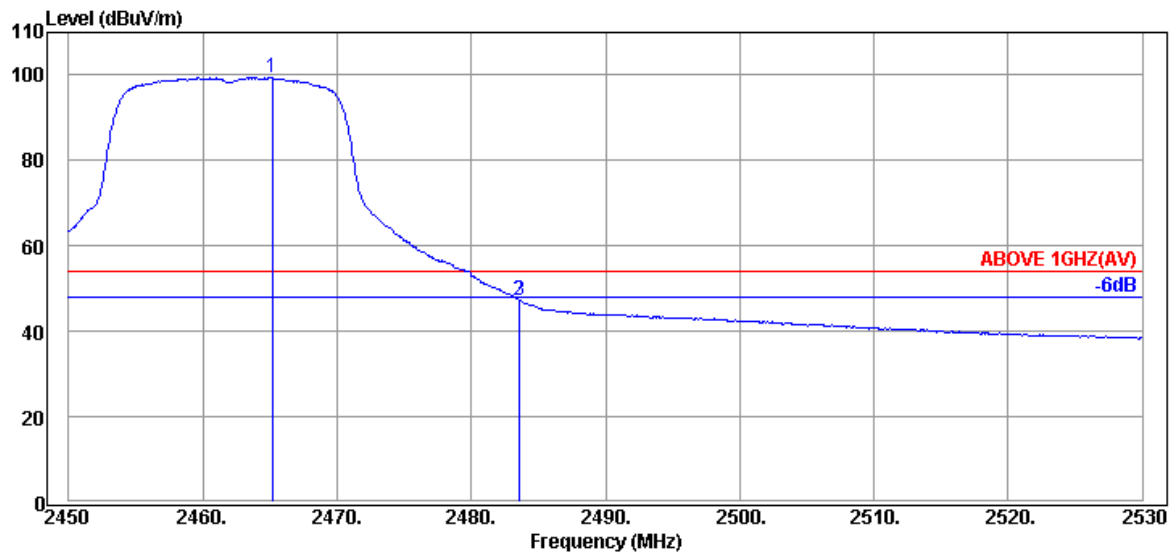
備註：“@”為主波，在此章節是不予以判定。

Mode	802.11g	Frequency	TX 2462MHz
------	---------	-----------	------------



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
@	2460.80	32.85	8.20	69.00	110.05	---	---	Peak
	2483.52	32.94	8.20	20.31	61.45	74.00	12.55	Peak
	2484.00	32.94	8.20	20.06	61.20	74.00	12.80	Peak

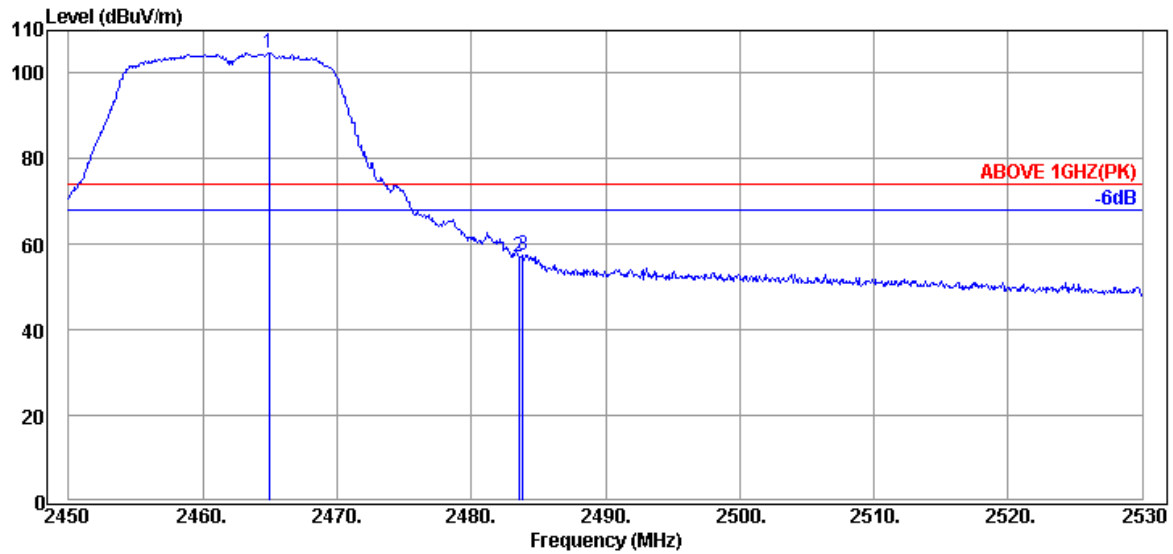


Antenna at Horizontal Polarization

	Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@	2465.20	32.85	8.20	58.36	99.41	---	---	Average
	2483.52	32.94	8.20	6.22	47.36	54.00	6.64	Average
	2483.60	32.94	8.20	6.08	47.22	54.00	6.78	Average

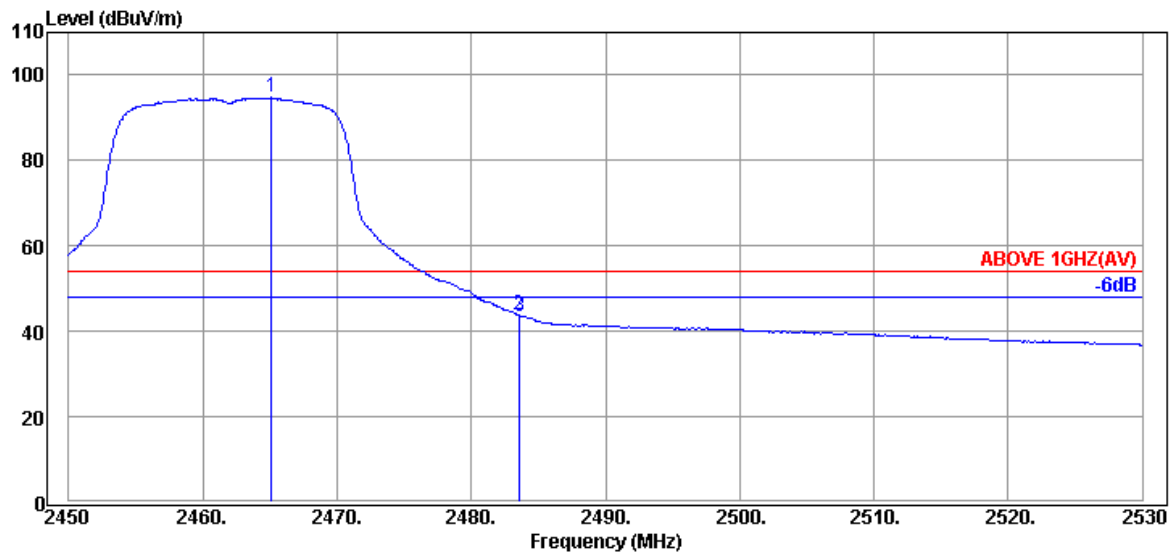
備註：“@”為主波，在此章節是不予以判定。

Mode	802.11g	Frequency	TX 2462MHz
------	---------	-----------	------------



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
@	2464.96	32.85	8.20	63.72	104.77	---	---	Peak
	2483.52	32.94	8.20	15.95	57.09	74.00	16.91	Peak
	2483.84	32.94	8.20	16.47	57.61	74.00	16.39	Peak

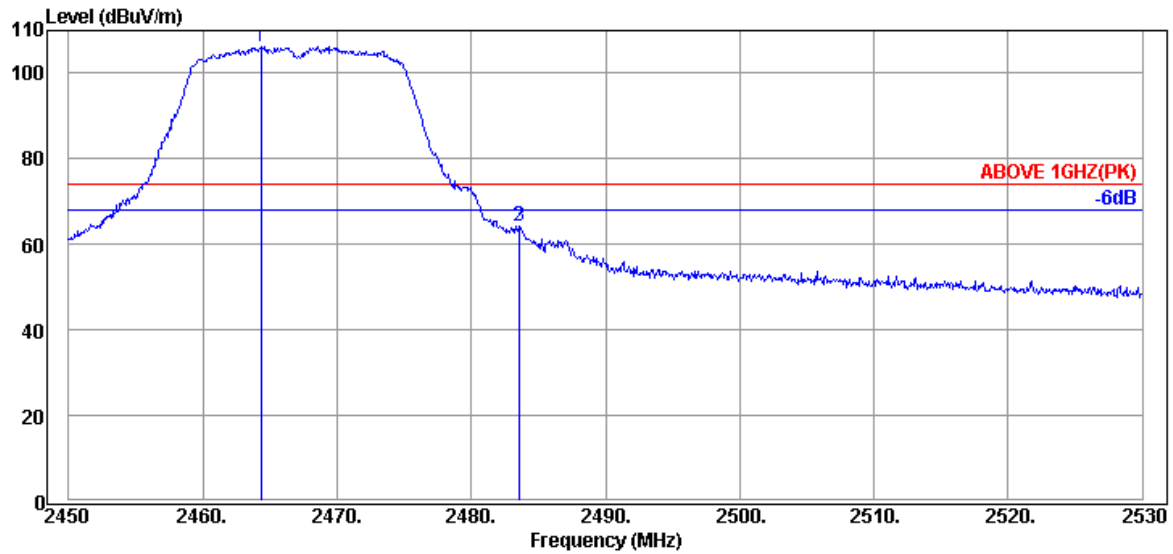


Antenna at Vertical Polarization

	Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@	2465.12	32.85	8.20	53.73	94.78	---	---	Average
	2483.52	32.94	8.20	2.60	43.74	54.00	10.26	Average
	2483.60	32.94	8.20	2.49	43.63	54.00	10.37	Average

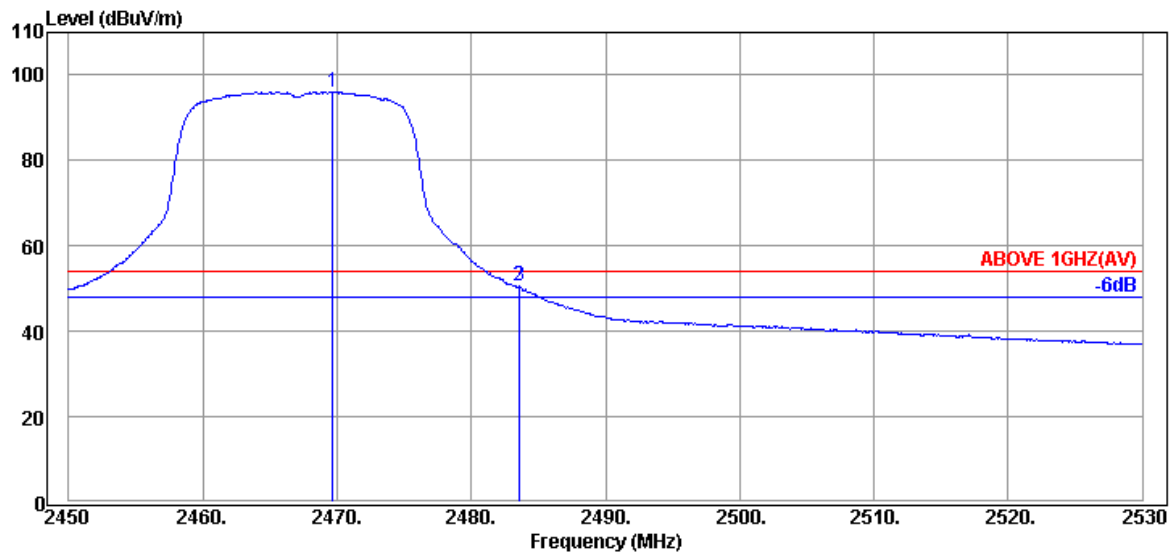
備註：“@”為主波，在此章節是不予以判定。

Mode	802.11g	Frequency	TX 2467MHz
------	---------	-----------	------------



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
@	2464.32	32.64	8.20	65.33	106.17	---	---	Peak
	2483.52	32.57	8.20	23.42	64.19	74.00	9.81	Peak
	2483.60	32.57	8.20	23.56	64.33	74.00	9.67	Peak

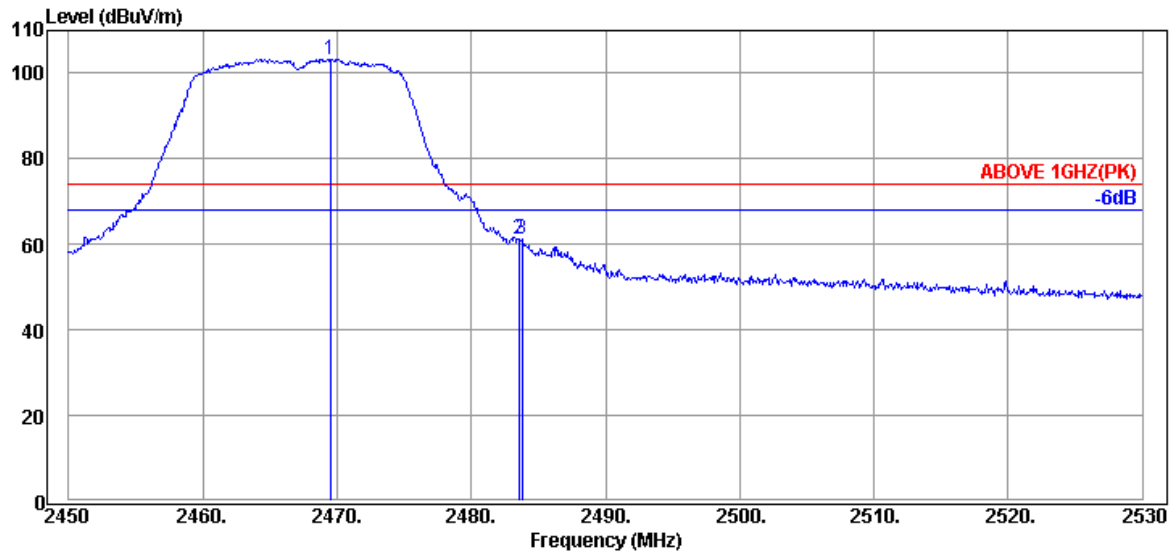


Antenna at Horizontal Polarization

	Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@	2469.68	32.62	8.20	55.27	96.09	---	---	Average
	2483.52	32.57	8.20	9.81	50.58	54.00	3.42	Average
	2483.60	32.57	8.20	9.71	50.48	54.00	3.52	Average

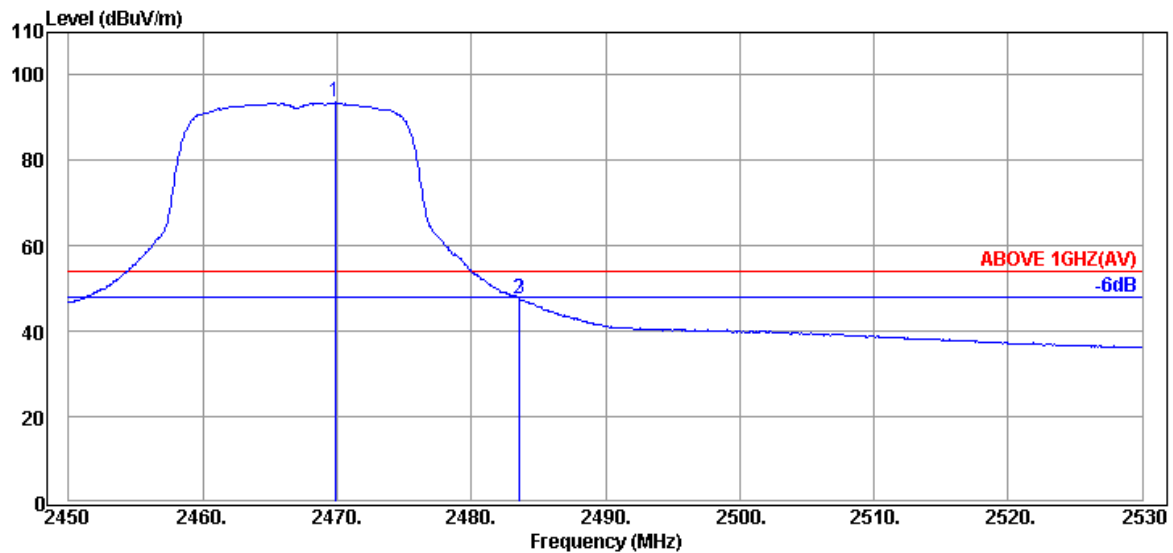
備註：“@”為主波，在此章節是不予以判定。

Mode	802.11g	Frequency	TX 2467MHz
------	---------	-----------	------------



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
@	2469.52	32.62	8.20	62.48	103.30	---	---	Peak
	2483.52	32.57	8.20	20.62	61.39	74.00	12.61	Peak
	2483.76	32.56	8.20	20.51	61.27	74.00	12.73	Peak

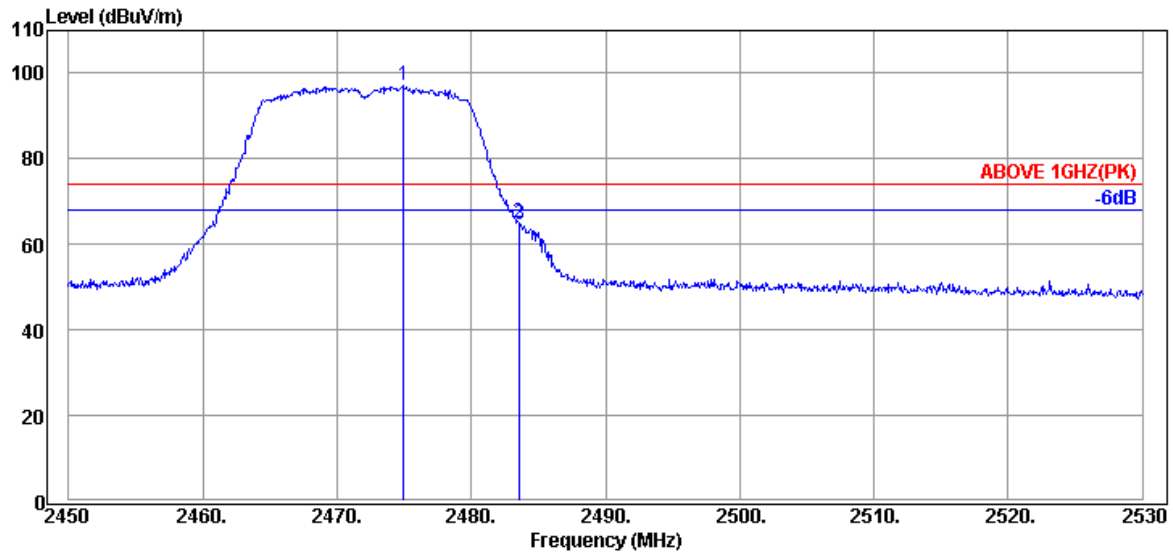


Antenna at Vertical Polarization

	Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@	2469.84	32.62	8.20	52.75	93.57	---	---	Average
	2483.52	32.57	8.20	6.88	47.65	54.00	6.35	Average
	2483.60	32.57	8.20	6.67	47.44	54.00	6.56	Average

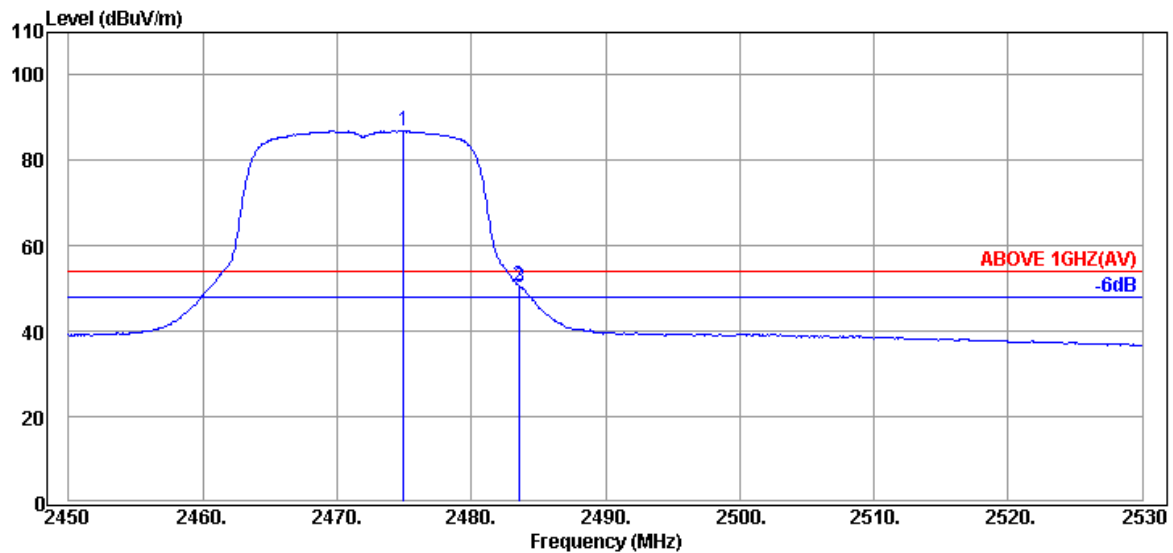
備註：“@”為主波，在此章節是不予以判定。

Mode	802.11g	Frequency	TX 2472MHz
------	---------	-----------	------------



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
@	2474.96	32.60	8.20	56.26	97.06	---	---	Peak
	2483.52	32.57	8.20	24.19	64.96	74.00	9.04	Peak
	2483.60	32.57	8.20	23.79	64.56	74.00	9.44	Peak

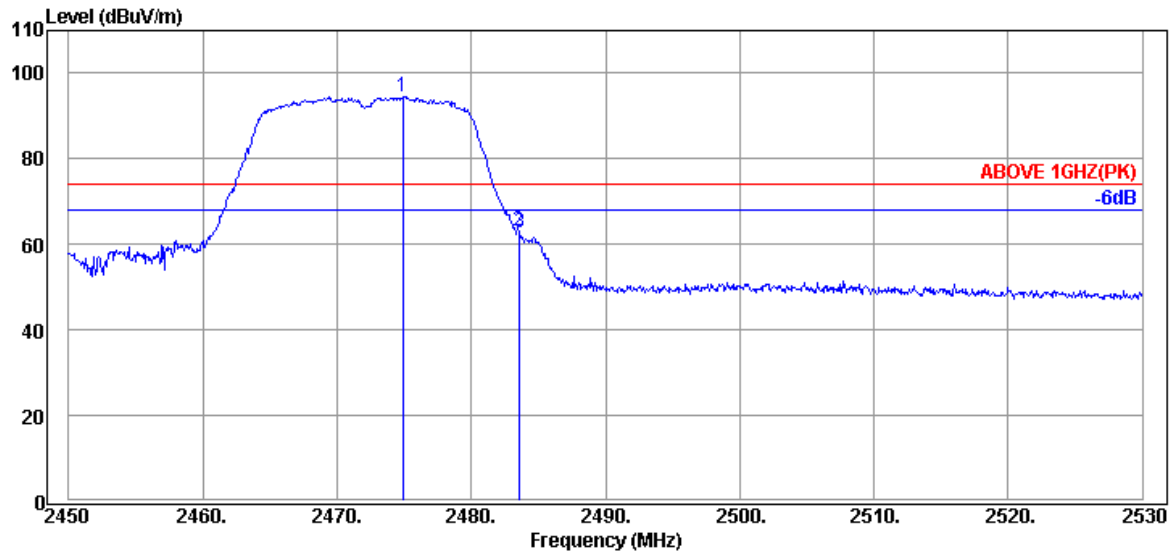


Antenna at Horizontal Polarization

	Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@	2474.96	32.60	8.20	46.21	87.01	---	---	Average
	2483.52	32.57	8.20	9.92	50.69	54.00	3.31	Average
	2483.60	32.57	8.20	9.55	50.32	54.00	3.68	Average

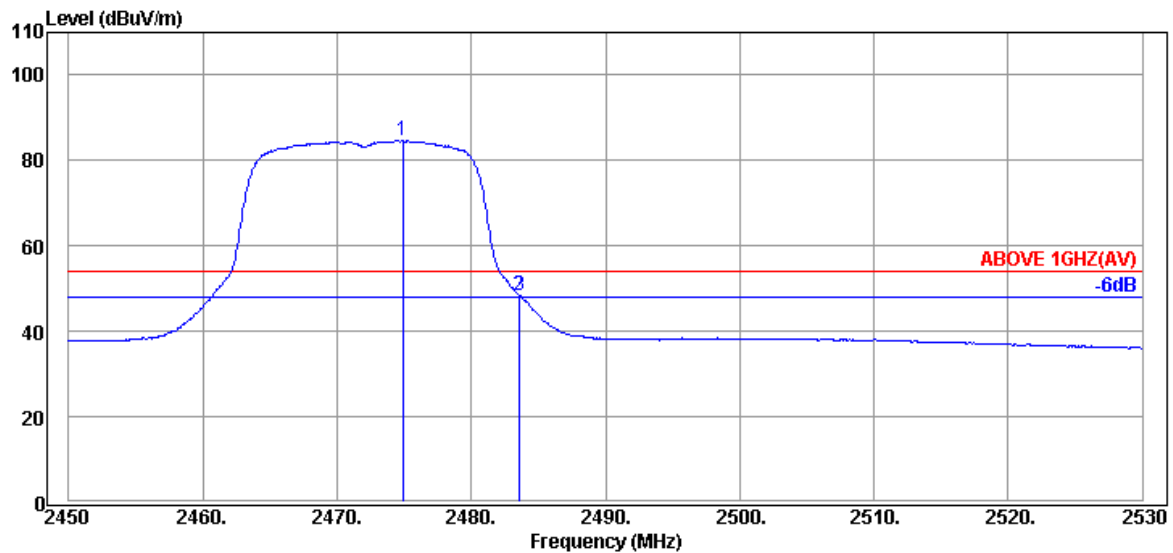
備註：“@”為主波，在此章節是不予以判定。

Mode	802.11g	Frequency	TX 2472MHz
------	---------	-----------	------------



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
@	2474.88	32.60	8.20	53.79	94.59	---	---	Peak
	2483.52	32.57	8.20	22.24	63.01	74.00	10.99	Peak
	2483.60	32.57	8.20	22.00	62.77	74.00	11.23	Peak

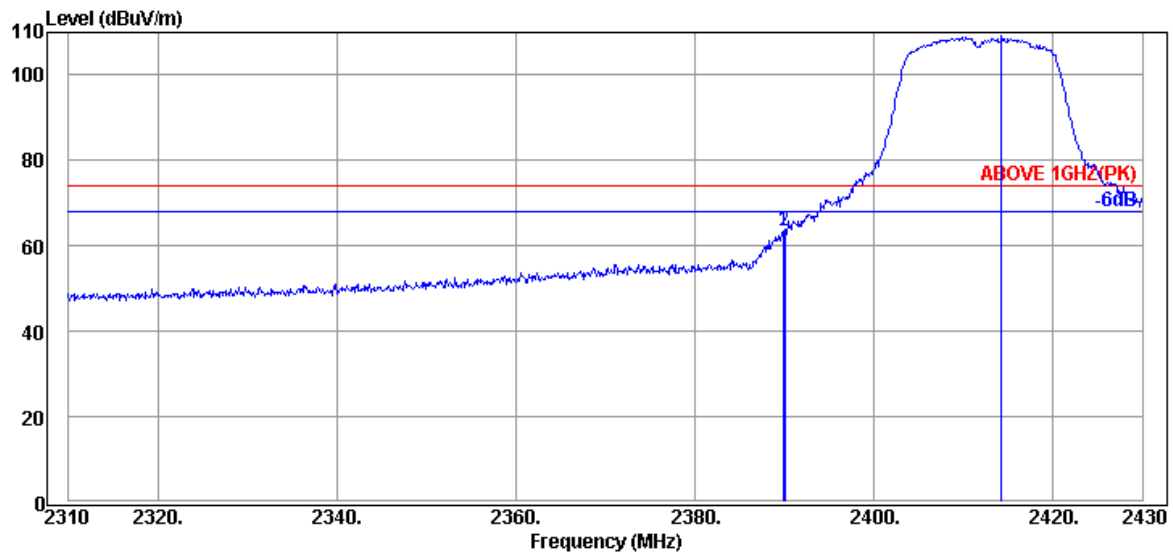


Antenna at Vertical Polarization

	Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBUV)	Emission Level (dBUV/m)	Limits (dBUV/m)	Margin (dB)	Detector
@	2474.88	32.60	8.20	43.83	84.63	---	---	Average
	2483.52	32.57	8.20	7.68	48.45	54.00	5.55	Average
	2483.60	32.57	8.20	7.48	48.25	54.00	5.75	Average

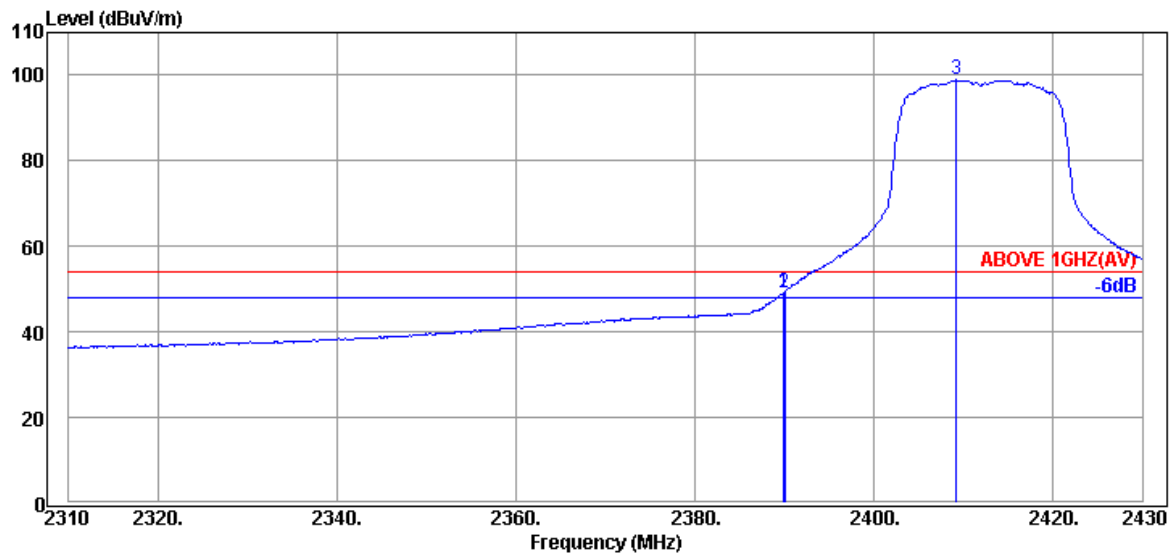
備註：“@”為主波，在此章節是不予以判定。

Mode	802.11n-HT20	Frequency	TX 2412MHz
------	--------------	-----------	------------



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
2389.92	32.52	8.17	22.78	63.47	74.00	10.53	Peak
2390.04	32.52	8.17	22.77	63.46	74.00	10.54	Peak
@ 2414.28	32.64	8.18	68.35	109.17	---	---	Peak

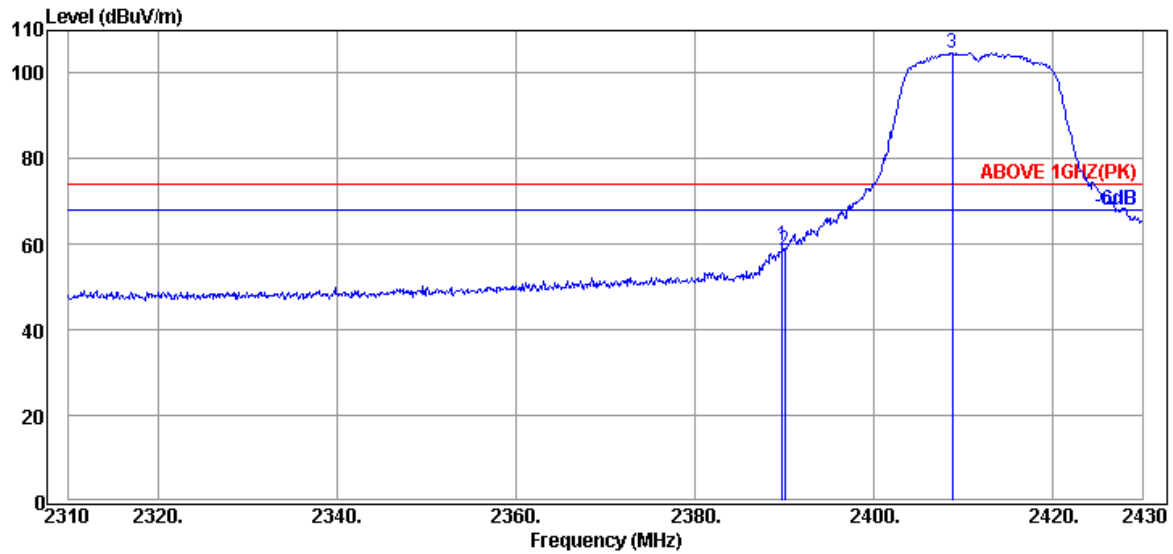


Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
2389.92	32.52	8.17	8.50	49.19	54.00	4.81	Average
2390.04	32.52	8.17	8.60	49.29	54.00	4.71	Average
@ 2409.24	32.61	8.18	58.10	98.89	---	---	Average

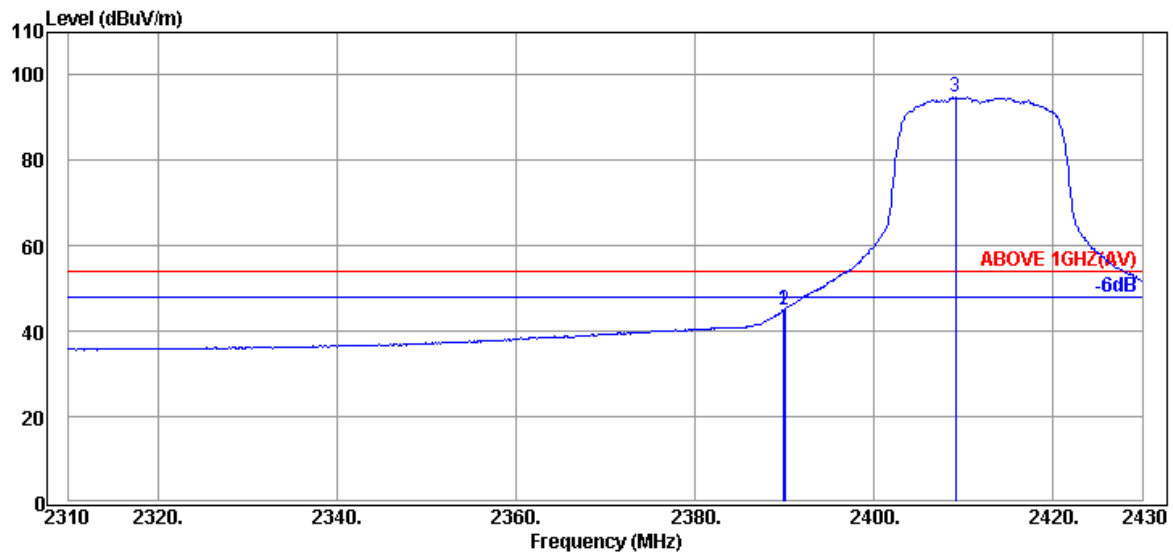
備註：“@”為主波，在此章節是不予以判定。

Mode	802.11n-HT20	Frequency	TX 2412MHz
------	--------------	-----------	------------



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
2389.80	32.52	8.17	19.01	59.70	74.00	14.30	Peak
2390.04	32.52	8.17	18.08	58.77	74.00	15.23	Peak
@ 2408.76	32.61	8.18	64.00	104.79	---	---	Peak

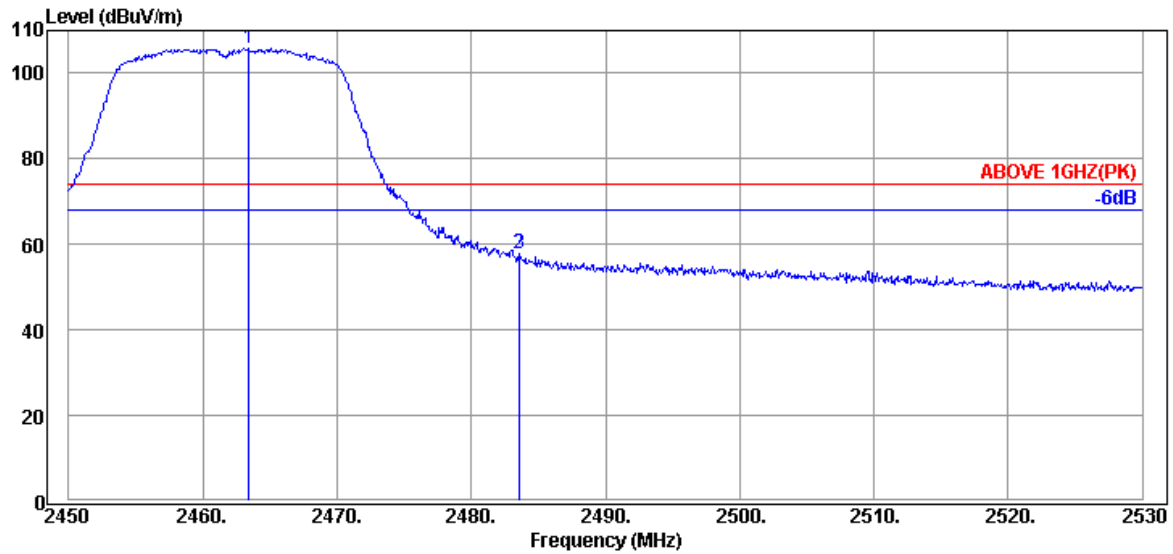


Antenna at Vertical Polarization

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	32.52	8.17	4.41	45.10	54.00	8.90	Average
2390.04	32.52	8.17	4.41	45.10	54.00	8.90	Average
@ 2409.12	32.61	8.18	54.00	94.79	---	---	Average

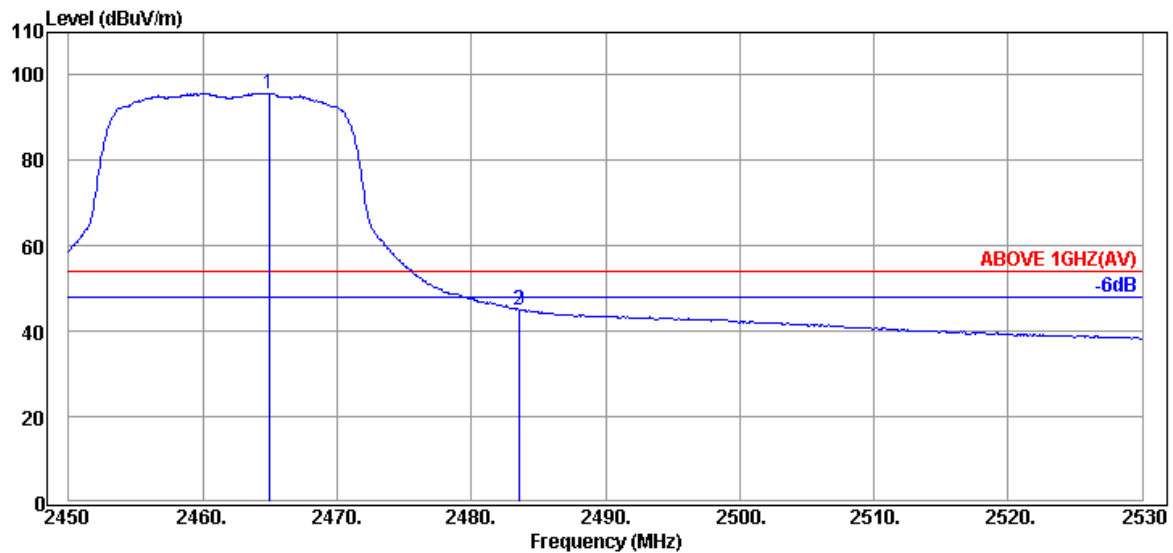
備註：“@”為主波，在此章節是不予以判定。

Mode	802.11n-HT20	Frequency	TX 2462MHz
------	--------------	-----------	------------



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
@	2463.44	32.85	8.20	64.66	105.71	---	---	Peak
	2483.52	32.94	8.20	16.84	57.98	74.00	16.02	Peak
	2483.60	32.94	8.20	16.55	57.69	74.00	16.31	Peak

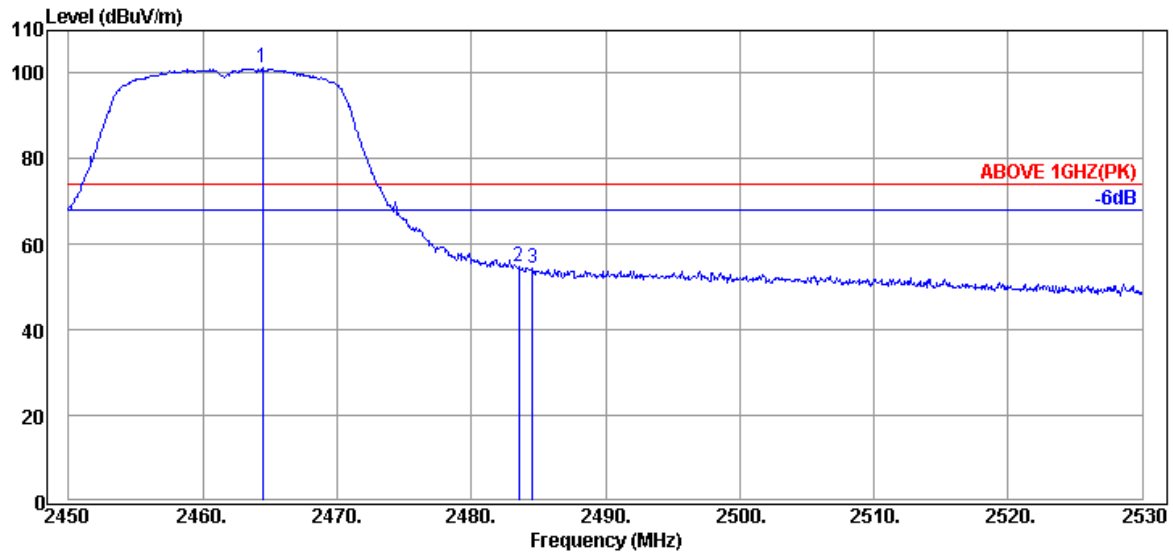


Antenna at Horizontal Polarization

	Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@	2464.96	32.85	8.20	54.72	95.77	---	---	Average
	2483.52	32.94	8.20	4.00	45.14	54.00	8.86	Average
	2483.60	32.94	8.20	3.95	45.09	54.00	8.91	Average

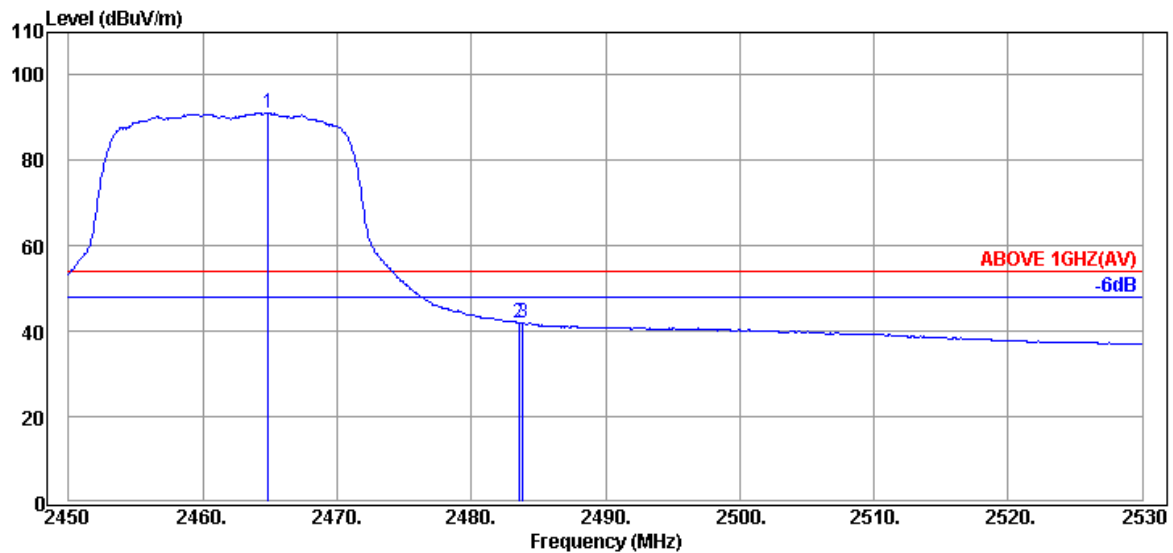
備註：“@”為主波，在此章節是不予以判定。

Mode	802.11n-HT20	Frequency	TX 2462MHz
------	--------------	-----------	------------



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
@	2464.48	32.85	8.20	60.24	101.29	---	---	Peak
	2483.52	32.94	8.20	13.62	54.76	74.00	19.24	Peak
	2484.56	32.94	8.20	13.37	54.51	74.00	19.49	Peak

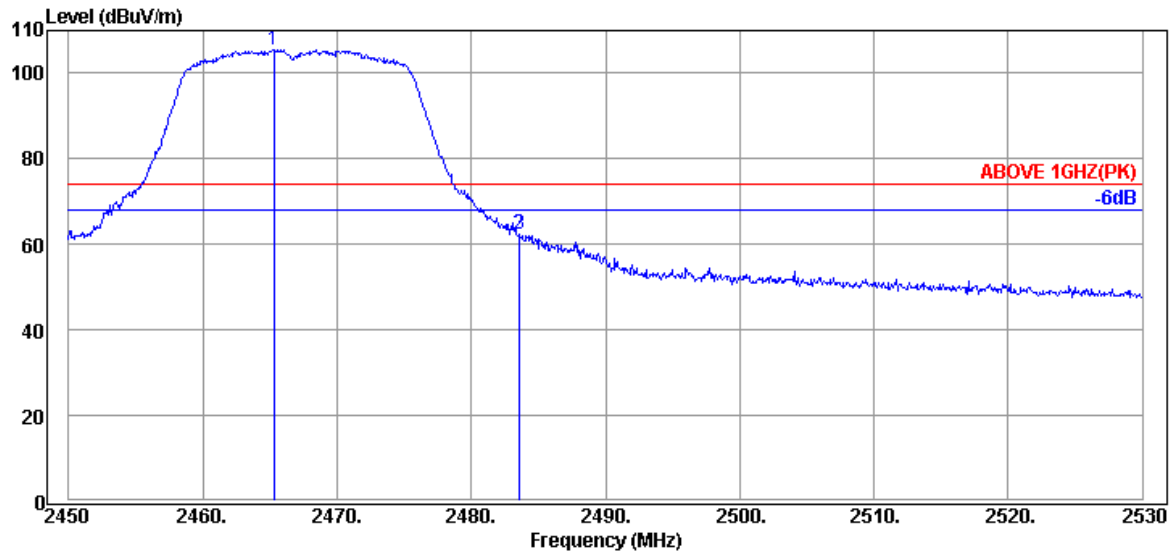


Antenna at Vertical Polarization

	Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@	2464.88	32.85	8.20	50.03	91.08	---	---	Average
	2483.52	32.94	8.20	0.89	42.03	54.00	11.97	Average
	2483.84	32.94	8.20	0.82	41.96	54.00	12.04	Average

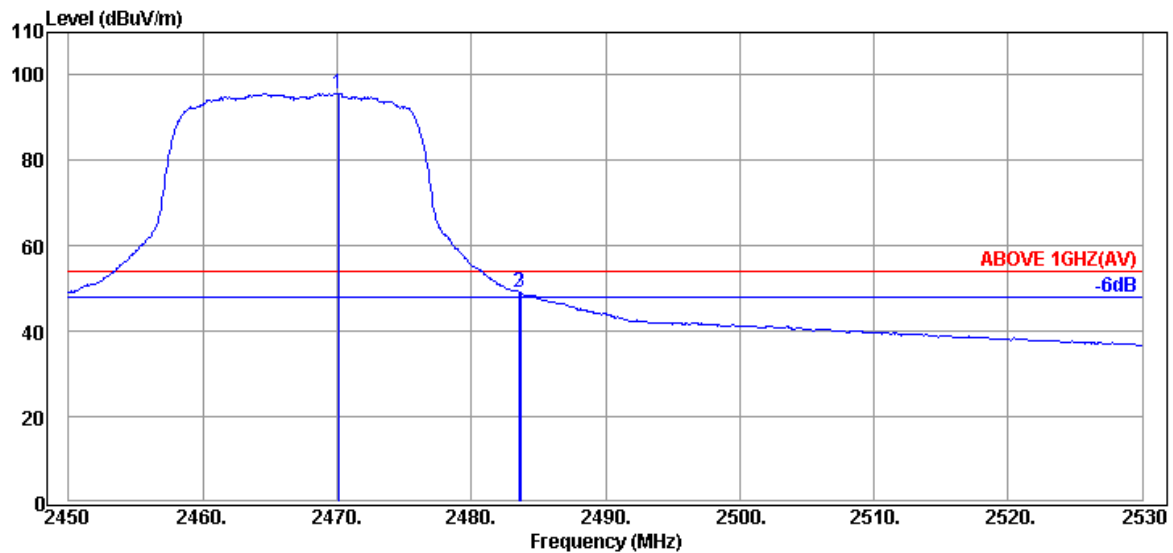
備註：“@”為主波，在此章節是不予以判定。

Mode	802.11n-HT20	Frequency	TX 2467MHz
------	--------------	-----------	------------



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
@	2465.28	32.64	8.20	64.68	105.52	---	---	Peak
	2483.52	32.57	8.20	21.62	62.39	74.00	11.61	Peak
	2483.60	32.57	8.20	21.69	62.46	74.00	11.54	Peak

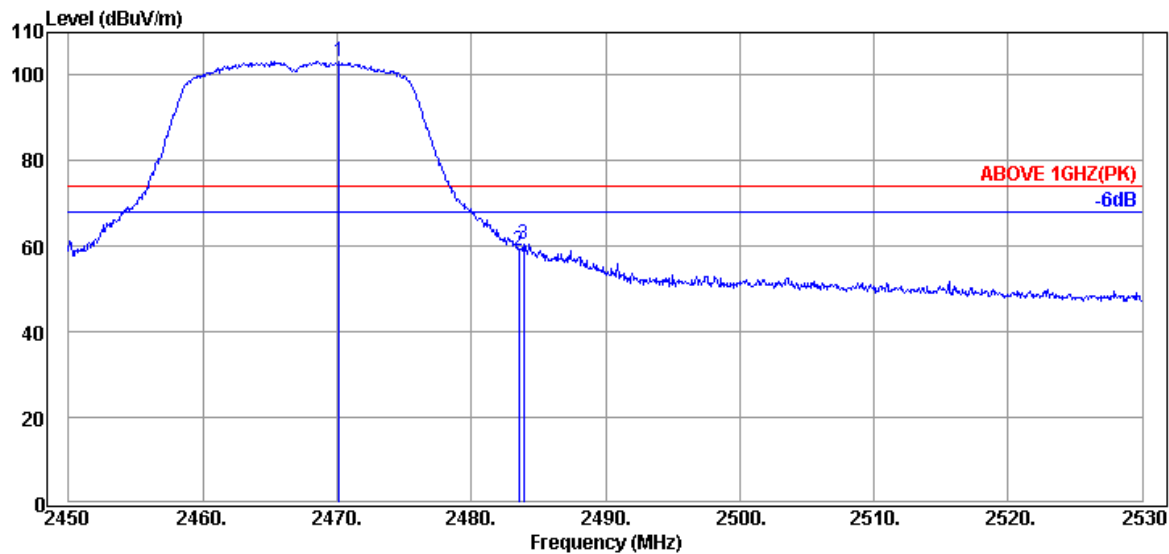


Antenna at Horizontal Polarization

	Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@	2470.08	32.62	8.20	54.84	95.66	---	---	Average
	2483.52	32.57	8.20	8.26	49.03	54.00	4.97	Average
	2483.68	32.57	8.20	8.27	49.04	54.00	4.96	Average

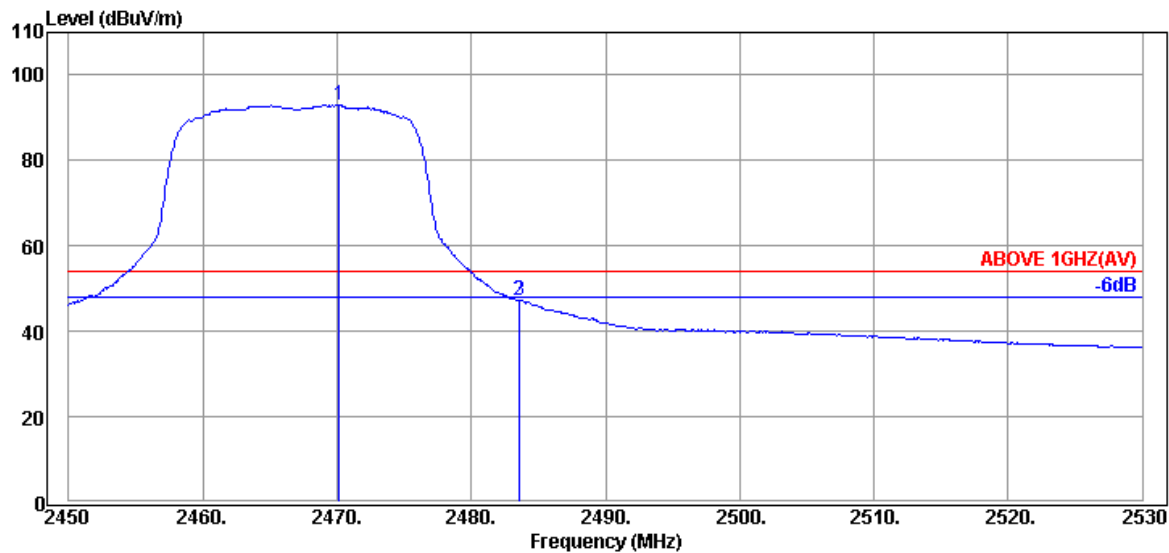
備註：“@”為主波，在此章節是不予以判定。

Mode	802.11n-HT20	Frequency	TX 2467MHz
------	--------------	-----------	------------



Antenna at Vertical Polarization

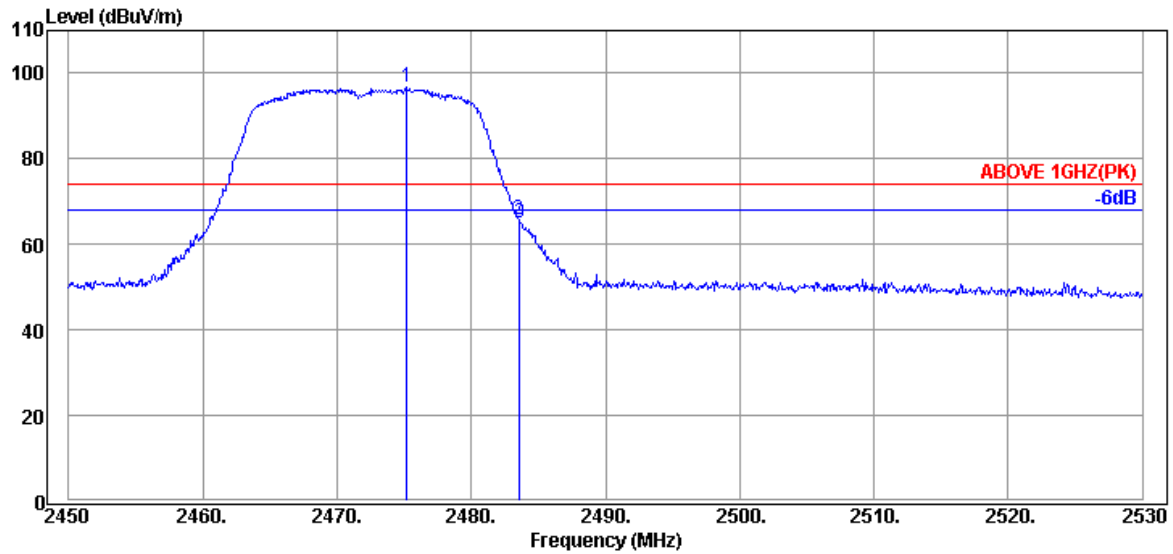
	Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@	2470.16	32.62	8.20	62.37	103.19	---	---	Peak
	2483.52	32.57	8.20	18.18	58.95	74.00	15.05	Peak
	2483.92	32.56	8.20	19.68	60.44	74.00	13.56	Peak



Antenna at Vertical Polarization

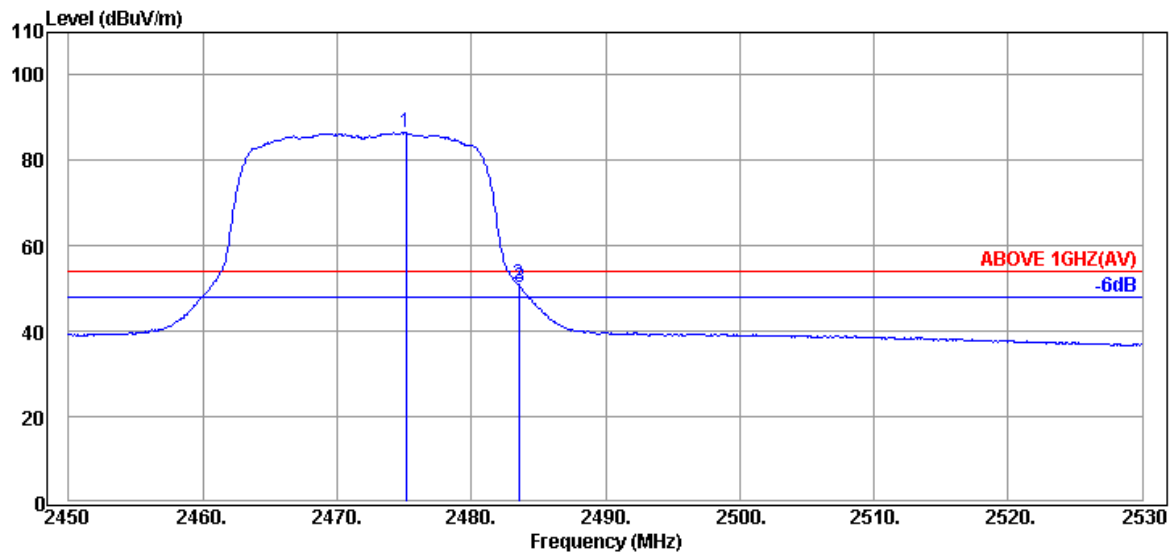
	Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@	2470.16	32.62	8.20	52.17	92.99	---	---	Average
	2483.52	32.57	8.20	6.50	47.27	54.00	6.73	Average
	2483.60	32.57	8.20	6.43	47.20	54.00	6.80	Average

Mode	802.11n-HT20	Frequency	TX 2472MHz
------	--------------	-----------	------------



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
@	2475.20	32.60	8.20	55.81	96.61	---	---	Peak
	2483.52	32.57	8.20	24.97	65.74	74.00	8.26	Peak
	2483.60	32.57	8.20	24.43	65.20	74.00	8.80	Peak

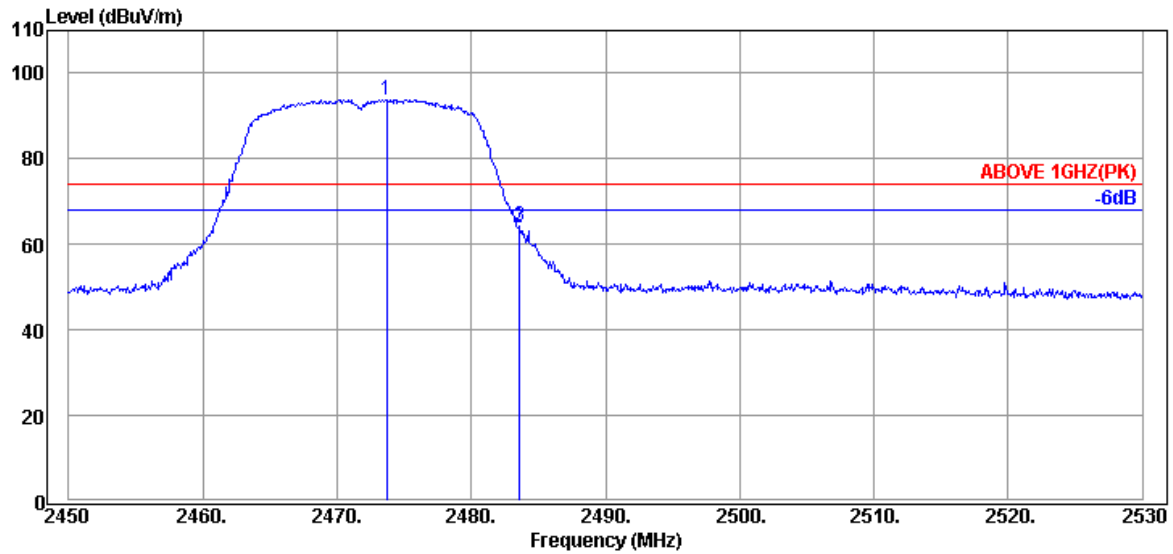


Antenna at Horizontal Polarization

	Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@	2475.12	32.60	8.20	45.84	86.64	---	---	Average
	2483.52	32.57	8.20	10.16	50.93	54.00	3.07	Average
	2483.60	32.57	8.20	9.68	50.45	54.00	3.55	Average

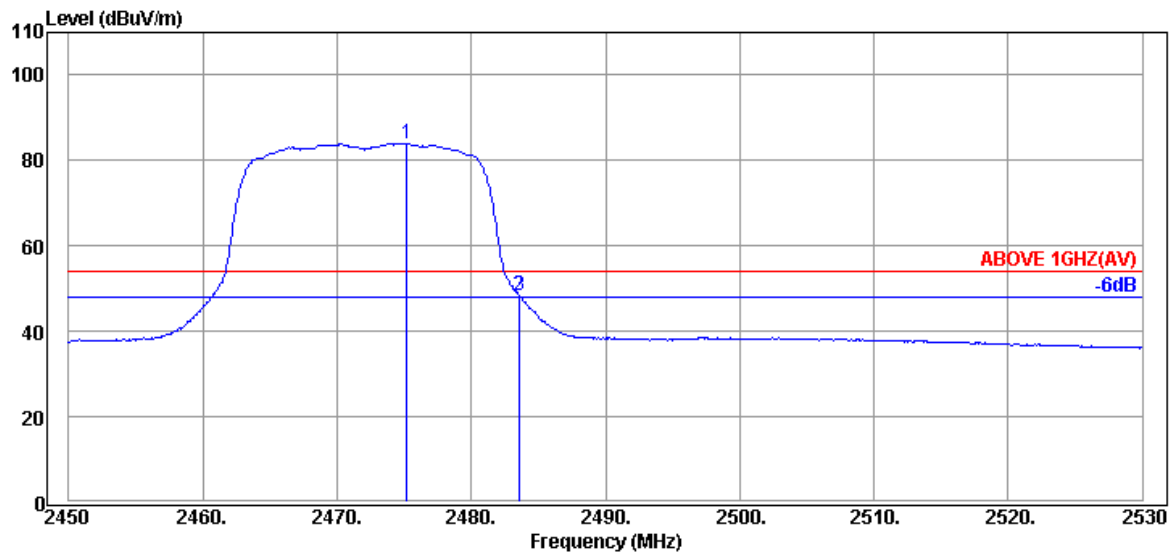
備註：“@”為主波，在此章節是不予以判定。

Mode	802.11n-HT20	Frequency	TX 2472MHz
------	--------------	-----------	------------



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
@	2473.68	32.61	8.20	53.06	93.87	---	---	Peak
	2483.52	32.57	8.20	23.29	64.06	74.00	9.94	Peak
	2483.60	32.57	8.20	23.31	64.08	74.00	9.92	Peak



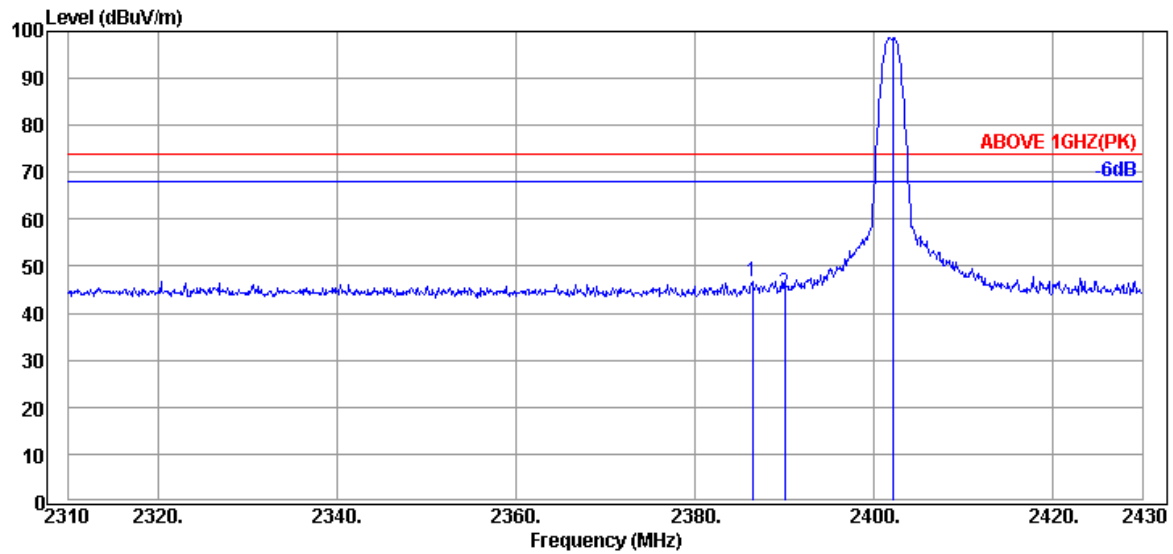
Antenna at Vertical Polarization

	Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@	2475.20	32.60	8.20	43.27	84.07	---	---	Average
	2483.52	32.57	8.20	7.72	48.49	54.00	5.51	Average
	2483.60	32.57	8.20	7.46	48.23	54.00	5.77	Average

備註：“@”為主波，在此章節是不予以判定。

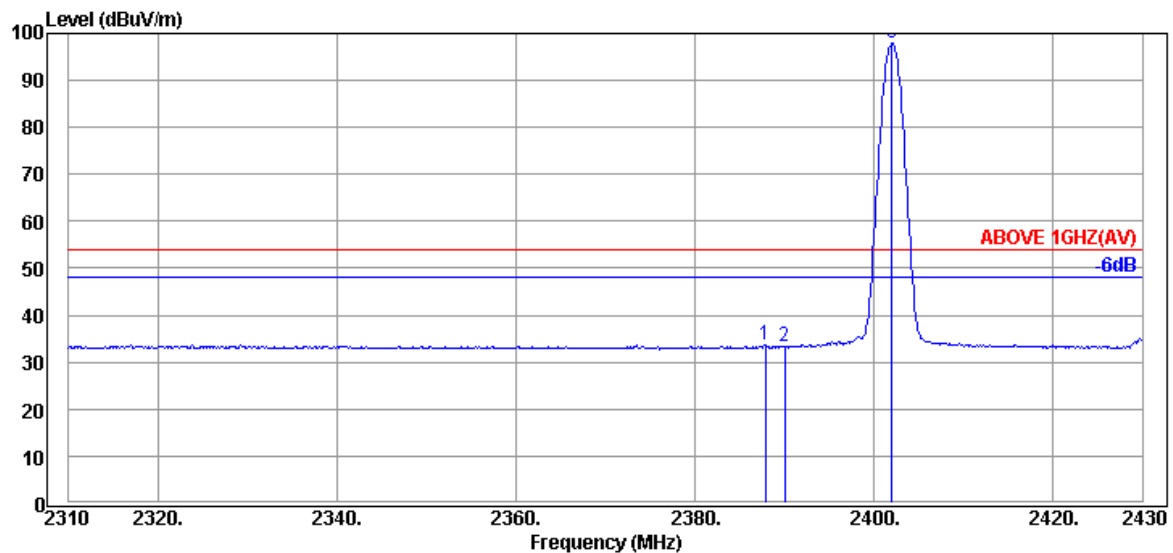
● BLE 測試模式

Mode	BLE	Frequency	TX 2402MHz
------	-----	-----------	------------



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
2386.44	32.52	8.17	6.12	46.81	74.00	27.19	Peak
2390.04	32.52	8.17	3.71	44.40	74.00	29.60	Peak
@ 2402.16	32.58	8.18	57.75	98.51	---	---	Peak

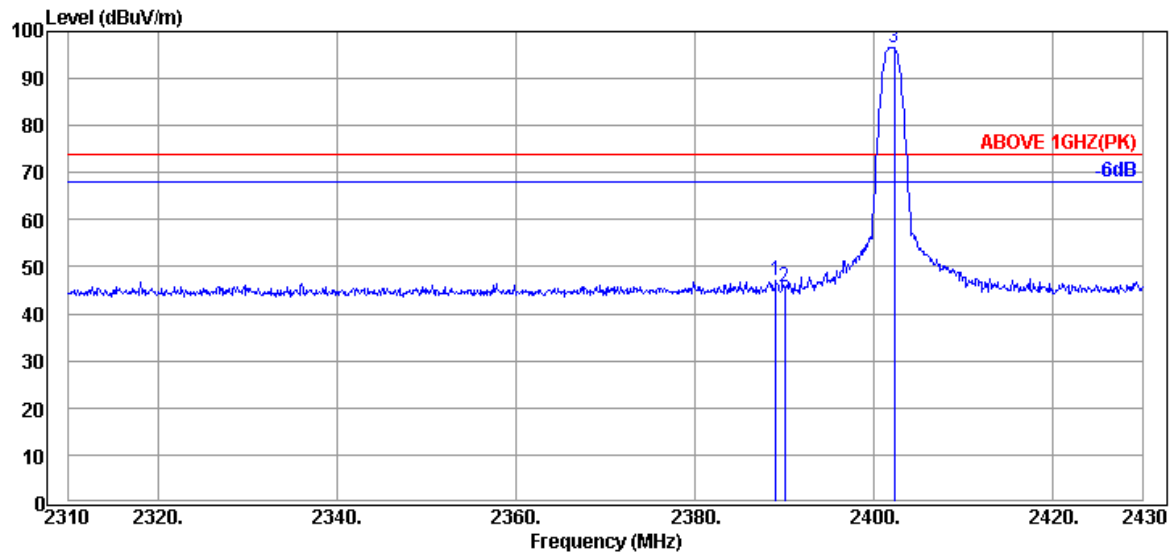


Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
2387.88	32.52	8.17	-7.07	33.62	54.00	20.38	Average
2390.04	32.52	8.17	-7.44	33.25	54.00	20.75	Average
@ 2402.04	32.58	8.18	57.13	97.89	---	---	Average

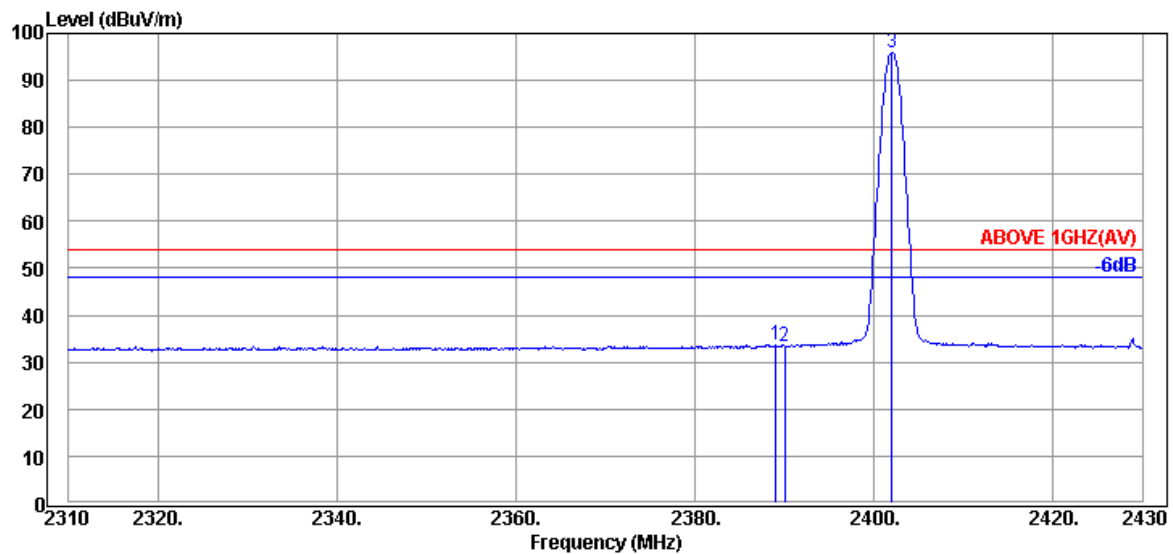
備註：“@”為主波，在此章節是不予以判定。

Mode	BLE	Frequency	TX 2402MHz
------	-----	-----------	------------



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
2389.08	32.52	8.17	6.42	47.11	74.00	26.89	Peak
2390.04	32.52	8.17	4.87	45.56	74.00	28.44	Peak
@ 2402.28	32.58	8.18	55.75	96.51	---	---	Peak

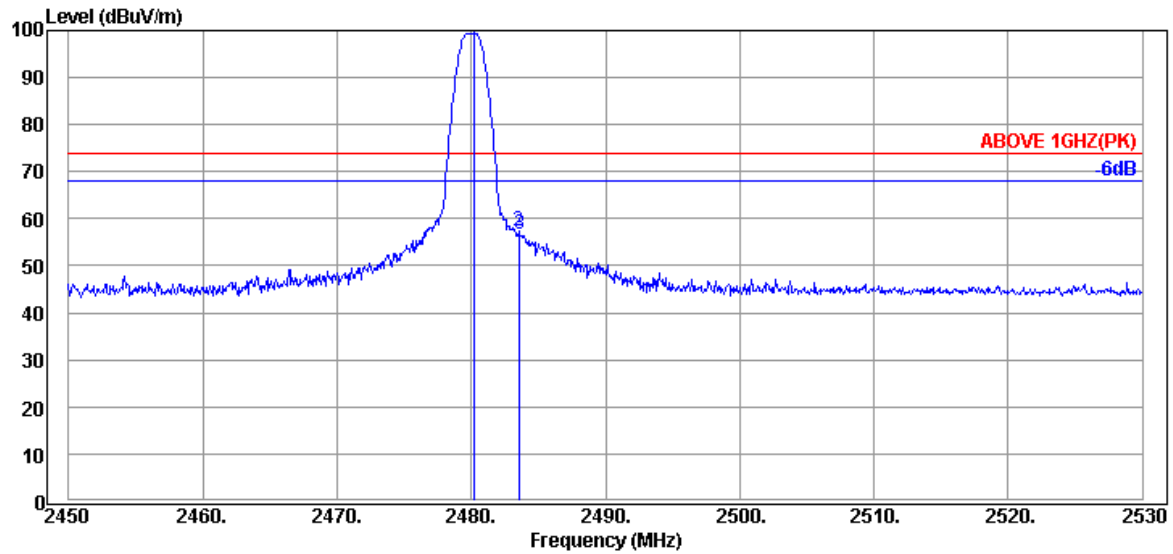


Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
2389.08	32.52	8.17	-6.85	33.84	54.00	20.16	Average
2390.04	32.52	8.17	-7.31	33.38	54.00	20.62	Average
@ 2402.04	32.58	8.18	55.02	95.78	---	---	Average

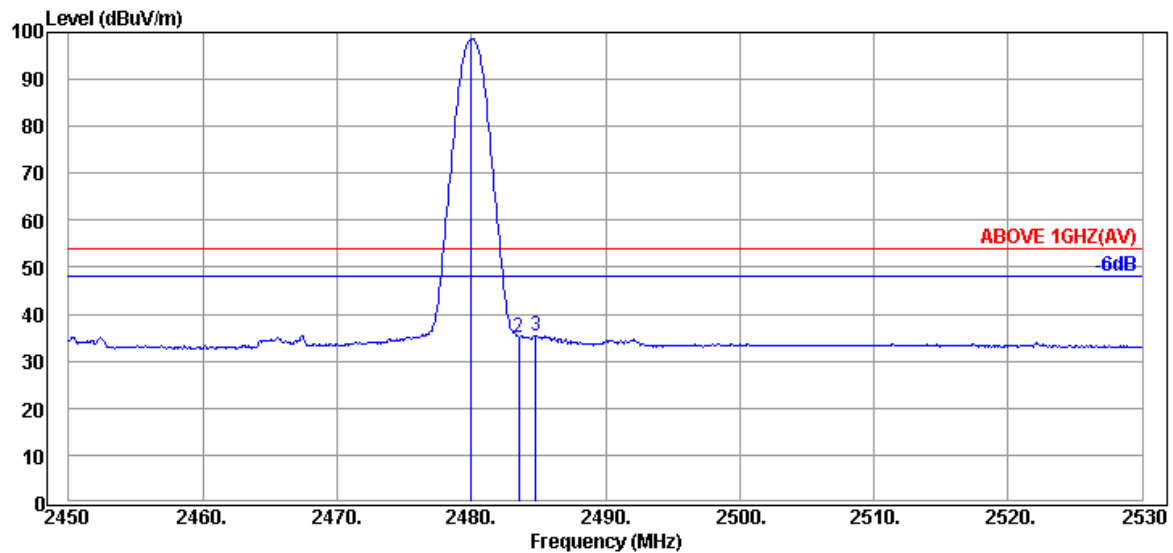
備註：“@”為主波，在此章節是不予以判定。

Mode	BLE	Frequency	TX 2480MHz
------	-----	-----------	------------



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
@	2480.24	32.91	8.20	58.38	99.49	---	---	Peak
	2483.52	32.94	8.20	16.19	57.33	74.00	16.67	Peak
	2483.60	32.94	8.20	15.58	56.72	74.00	17.28	Peak

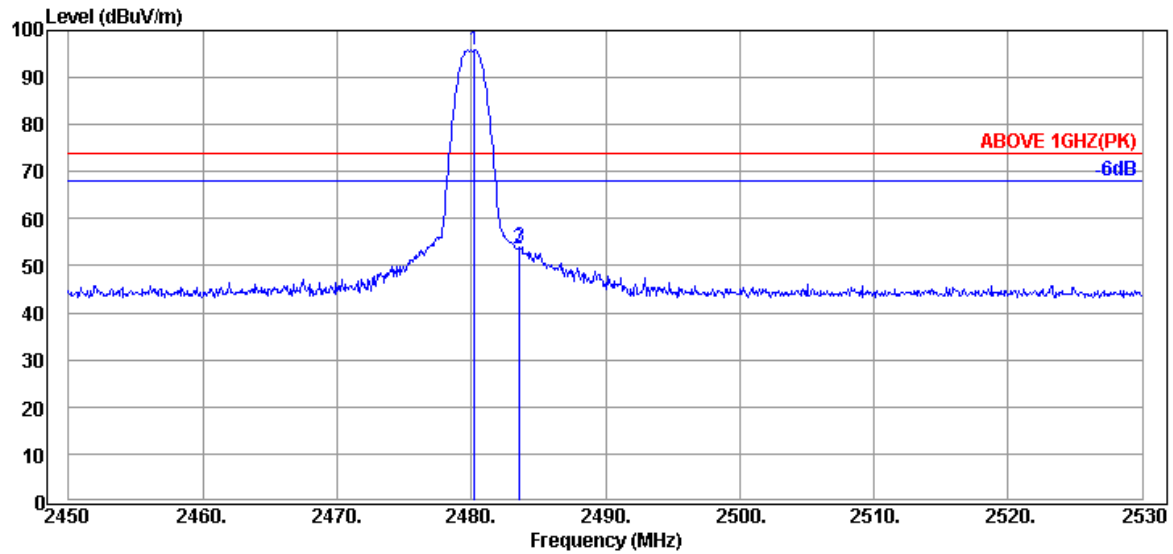


Antenna at Horizontal Polarization

	Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@	2480.00	32.91	8.20	57.63	98.74	---	---	Average
	2483.52	32.94	8.20	-6.13	35.01	54.00	18.99	Average
	2484.80	32.94	8.20	-5.69	35.45	54.00	18.55	Average

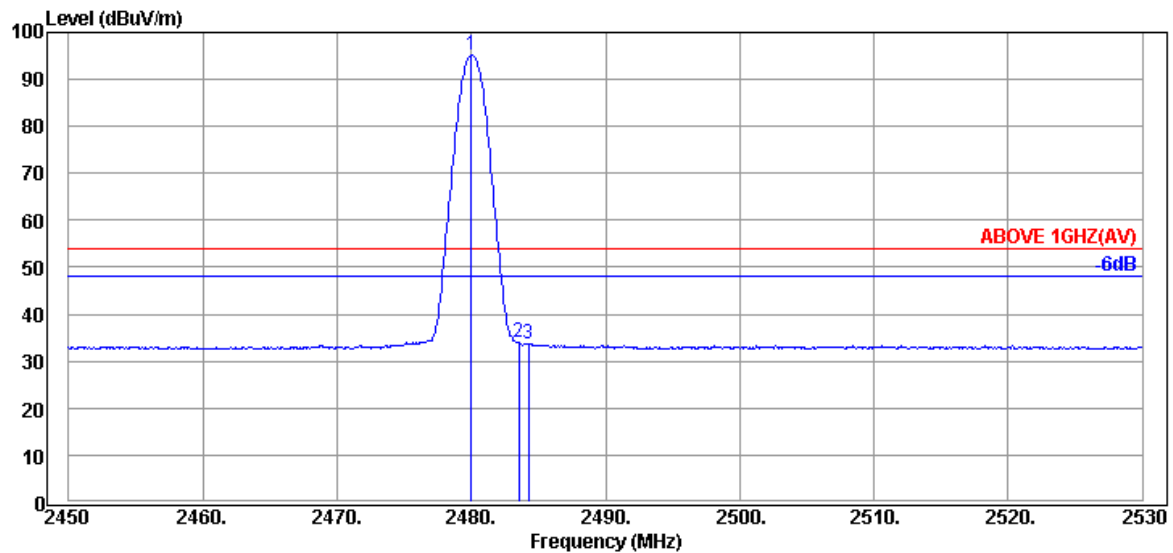
備註：“@”為主波，在此章節是不予以判定。

Mode	BLE	Frequency	TX 2480MHz
------	-----	-----------	------------



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
@	2480.24	32.91	8.20	54.71	95.82	---	---	Peak
	2483.52	32.94	8.20	12.35	53.49	74.00	20.51	Peak
	2483.60	32.94	8.20	12.91	54.05	74.00	19.95	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	32.91	8.20	54.12	95.23	---	---	Average
	2483.52	32.94	8.20	-7.22	33.92	54.00	20.08	Average
	2484.24	32.94	8.20	-7.32	33.82	54.00	20.18	Average

備註：“@”為主波，在此章節是不予以判定。

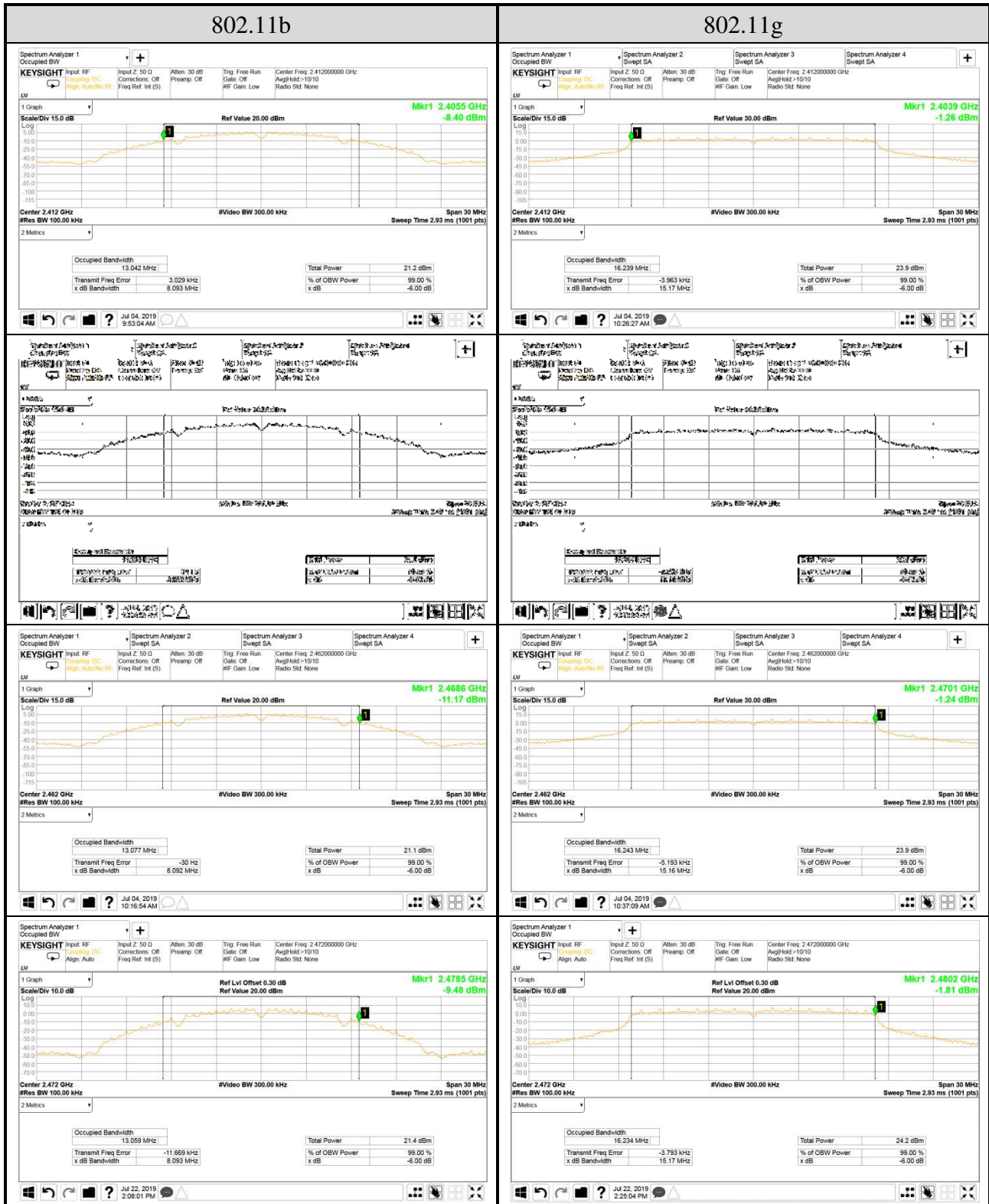
3. 發射頻寬之量測

測試日期	2019/07/04~22	環境溫/濕度	24~25°C/53~55%
電纜損失	0.3dB	測試電壓	DC 3.7V(經鋰電池供電)

3.1. 發射頻寬

模式	測試頻率 (MHz)	6dB 頻寬 (MHz)	限制值 (kHz)
802.11b	2412	8.093	>500
	2437	8.093	
	2462	8.092	
	2472	8.093	
802.11g	2412	15.17	
	2437	15.16	
	2462	15.16	
	2472	15.17	
802.11n-HT20	2412	15.16	
	2437	15.17	
	2462	15.16	
	2472	15.16	
BLE	2402	0.6882	
	2440	0.6918	
	2480	0.6915	

3.2. 發射頻寬之量測圖





4. 峰值輸出功率之量測

測試日期	2019/07/04~08/02	環境溫/濕度	24~25°C/53~55%
電纜損失	0.3dB	測試電壓	DC 3.7V(經鋰電池供電)

4.1. 峰值輸出功率

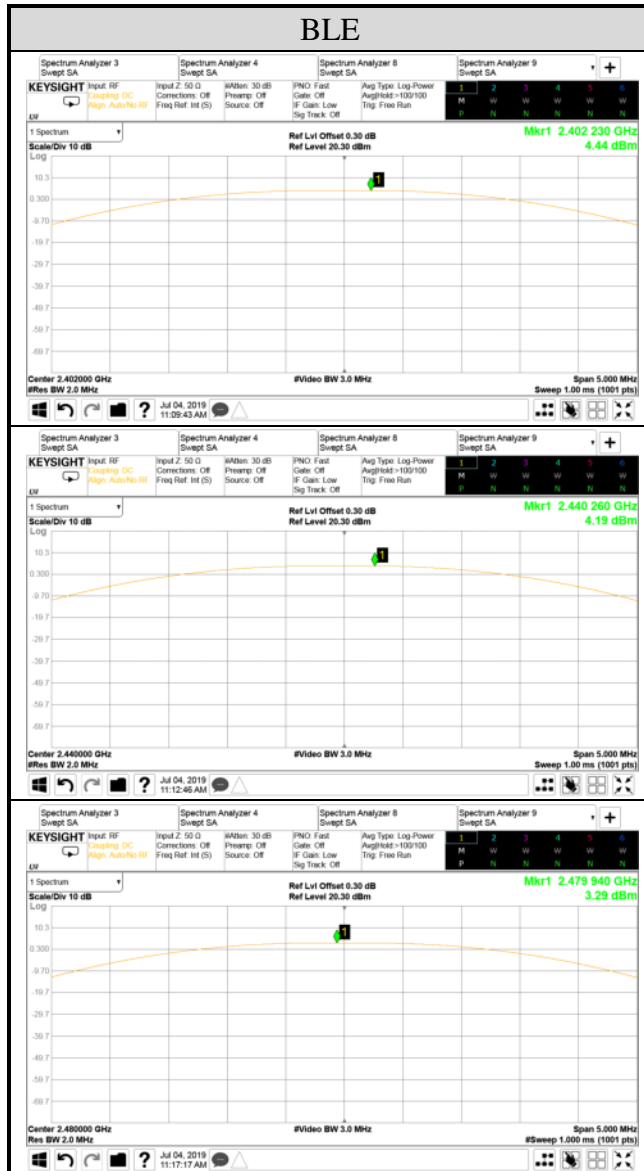
模式	測試頻率 (MHz)	輸出功率(dBm)	限制值 (dBm)
802.11b	2412	17.67	30
	2437	17.83	
	2462	17.74	
	2467	17.09	
	2472	17.26	
802.11g	2412	22.72	
	2437	22.80	
	2462	22.81	
	2467	22.05	
	2472	15.16	
802.11n-HT20	2412	22.84	
	2437	22.98	
	2462	22.96	
	2467	22.32	
	2472	15.30	
BLE	2402	4.44	
	2440	4.19	
	2480	3.29	

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	0.992	15.22	0	15.22	30
	2437		15.34		15.34	
	2462		15.33		15.33	
	2467		14.56		14.56	
	2472		14.77		14.77	
802.11g	2412	0.922	17.14	0.35	17.49	
	2437		17.19		17.54	
	2462		17.21		17.56	
	2467		16.92		17.27	
	2472		17.00		17.35	
802.11n-HT20	2412	0.919	16.91	0.37	17.28	
	2437		16.98		17.35	
	2462		16.95		17.32	
	2467		16.51		16.88	
	2472		16.75		17.12	

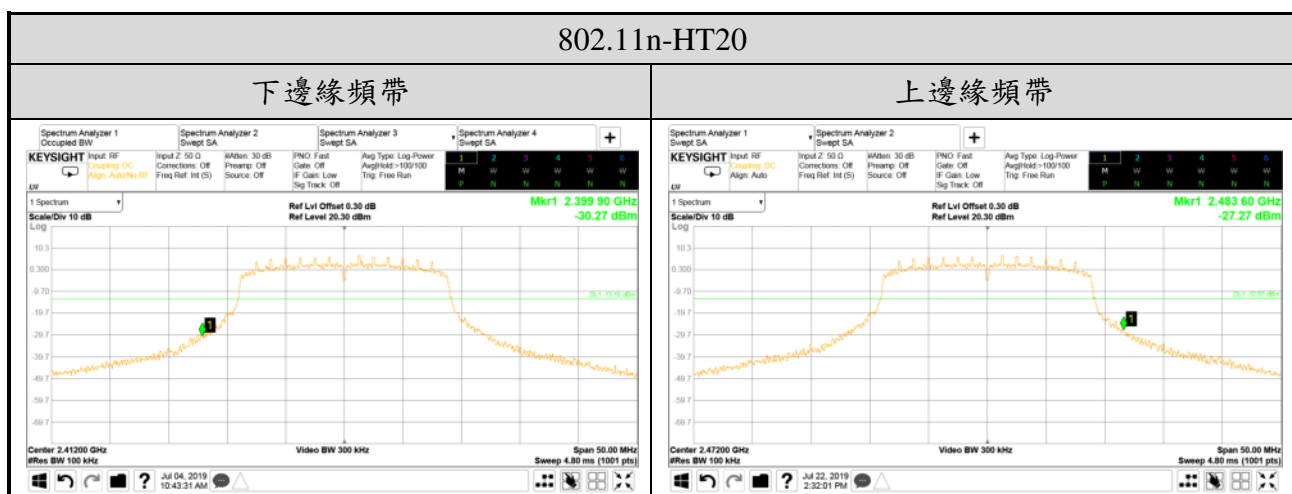
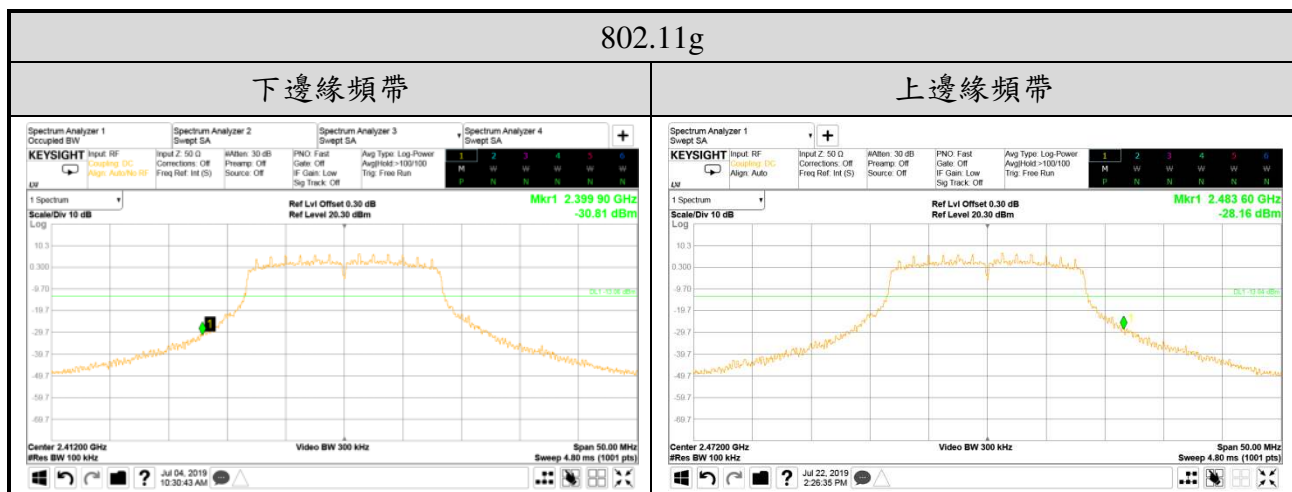
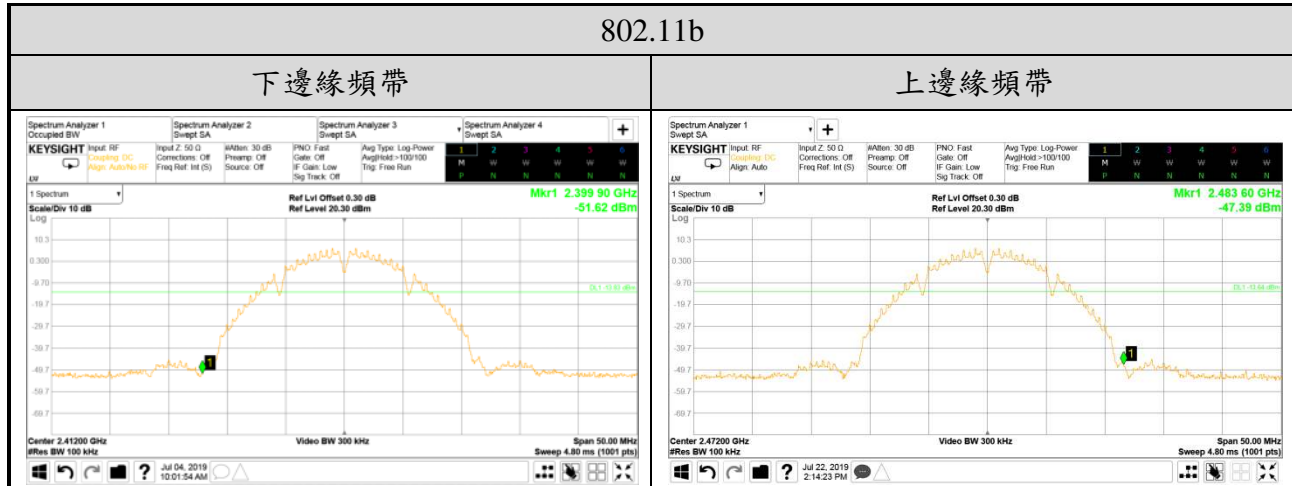
註：當 Duty cycle<98%，最大輸出功率必需要加上 duty cycle factor $10\log(1/x)$ 。(x=duty cycle)

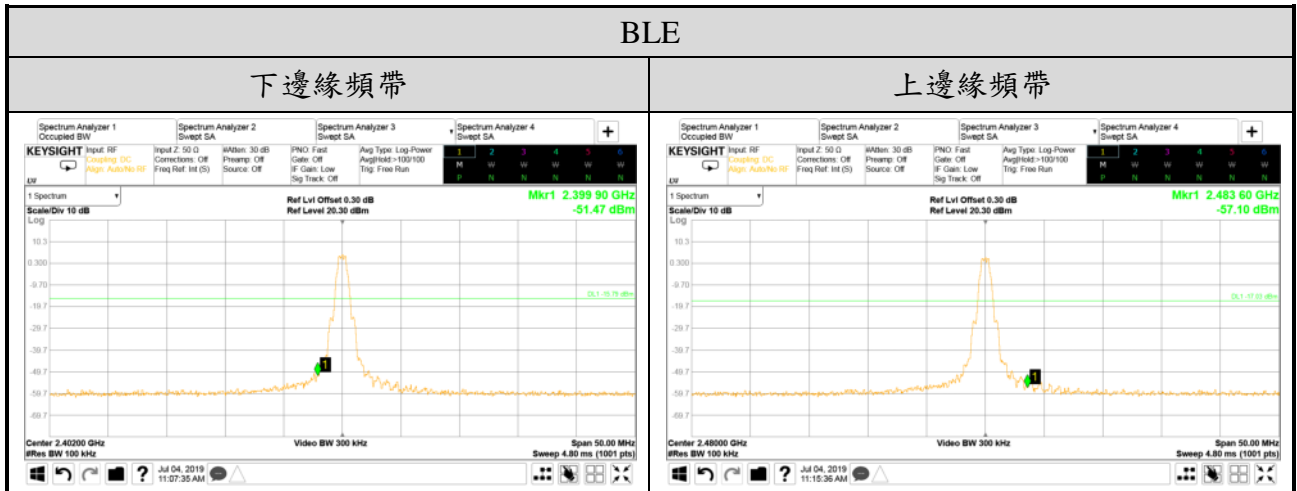
4.3. 峰值輸出功率之量測圖



5. 頻帶邊緣之 RF 傳導發射之量測

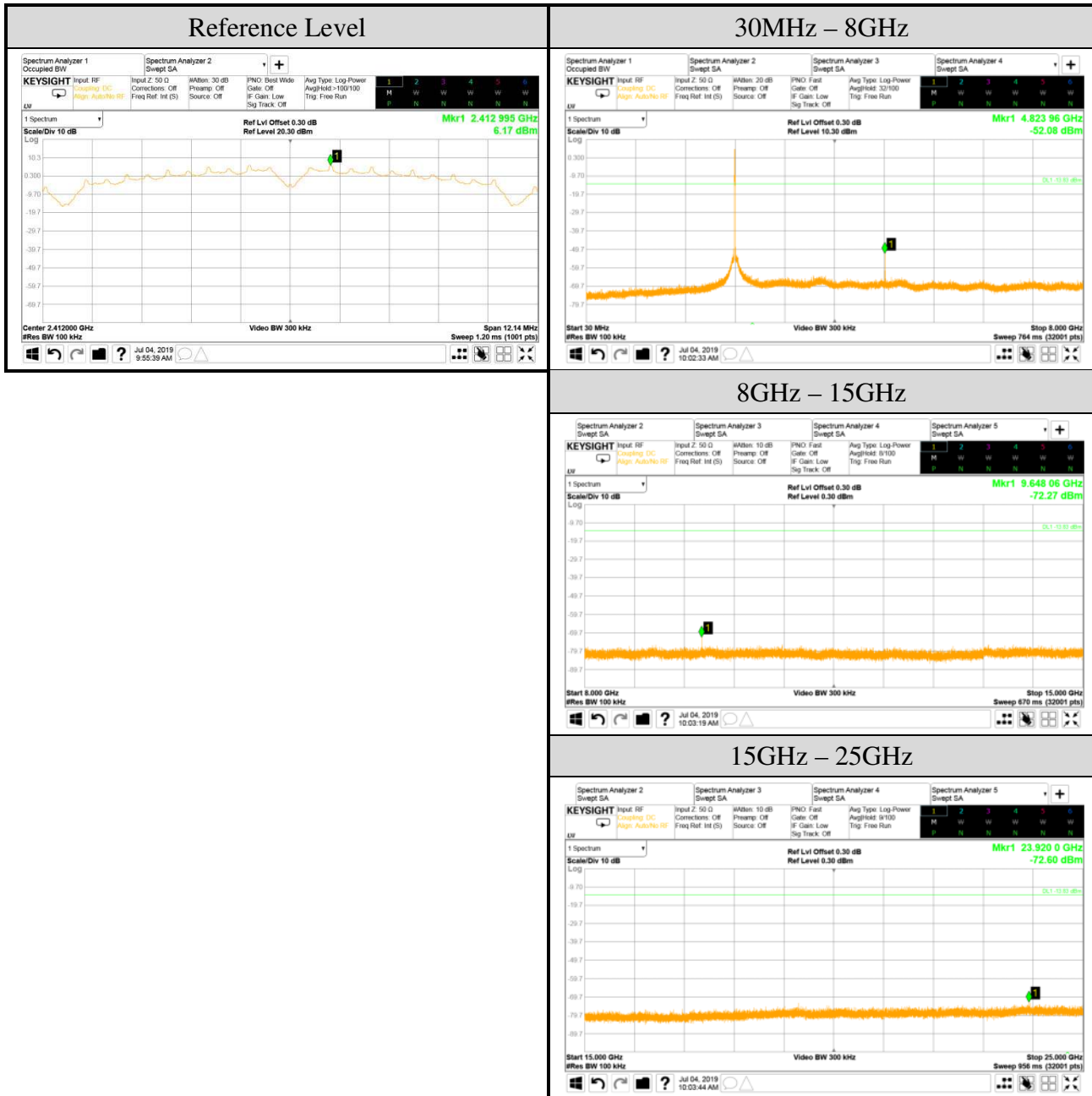
測試日期	2019/07/04~22	環境溫/濕度	24~25°C/53~55%
電纜損失	0.3dB	測試電壓	DC 3.7V(經鋰電池供電)



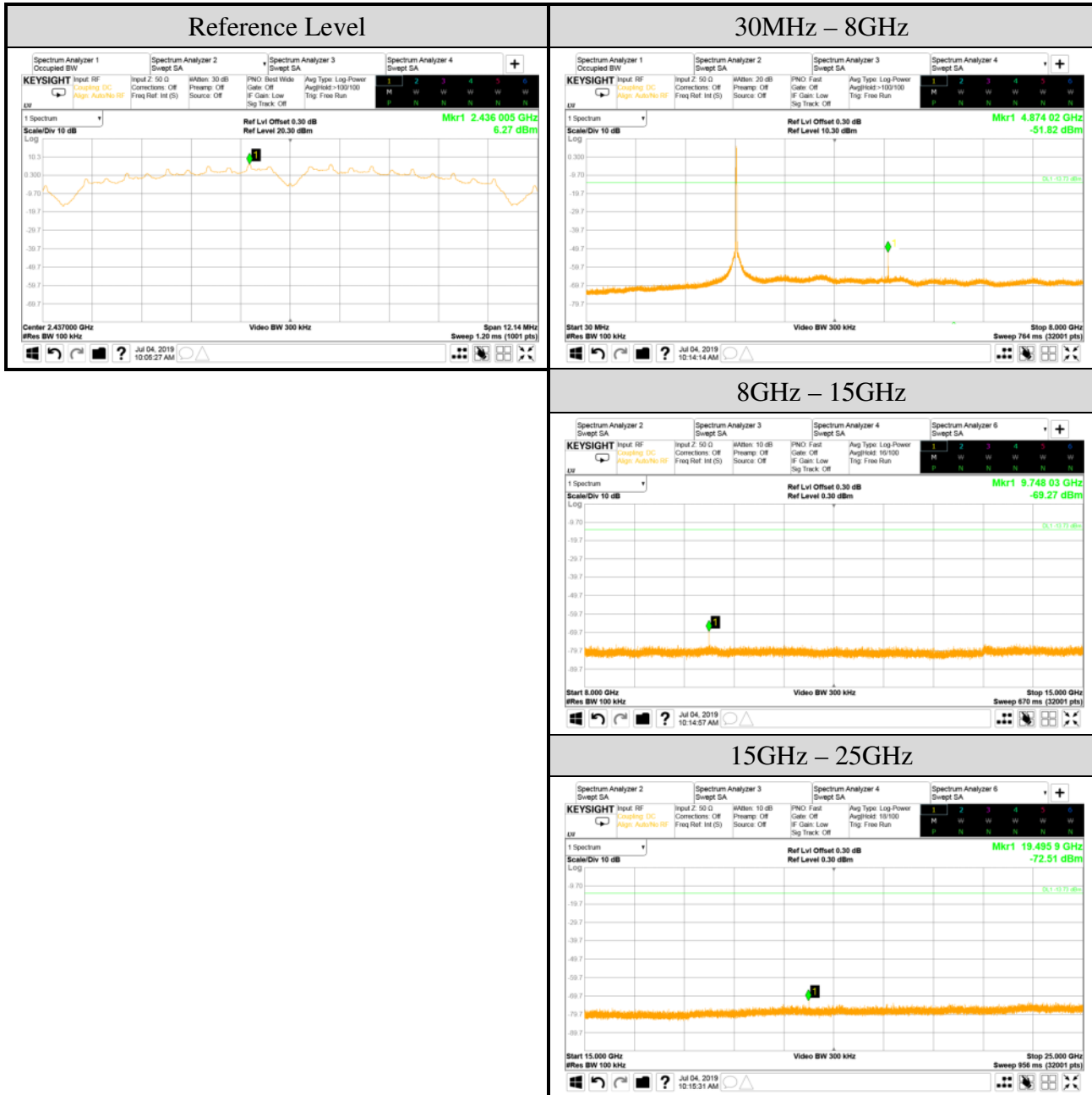


6. 混附發射之 RF 傳導發射之量測

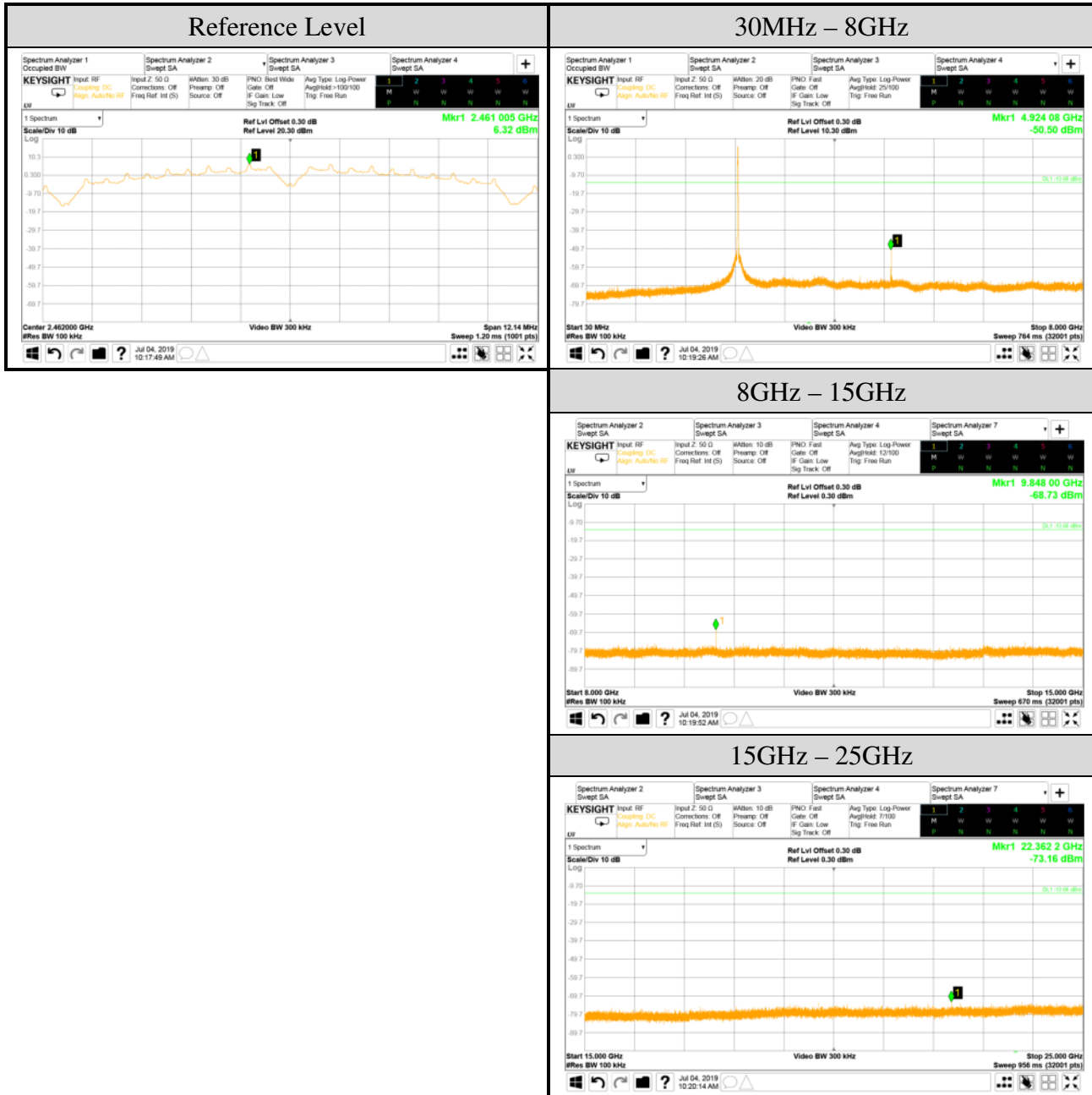
測試日期	2019/07/04	環境溫/濕度	24°C/53%
電纜損失	0.3dB	測試電壓	DC 3.7V(經鋰電池供電)
模式	802.11b	測試頻率	2412MHz
Simultaneous Factor10 log(n) (Note: “n” is antenna number)			0



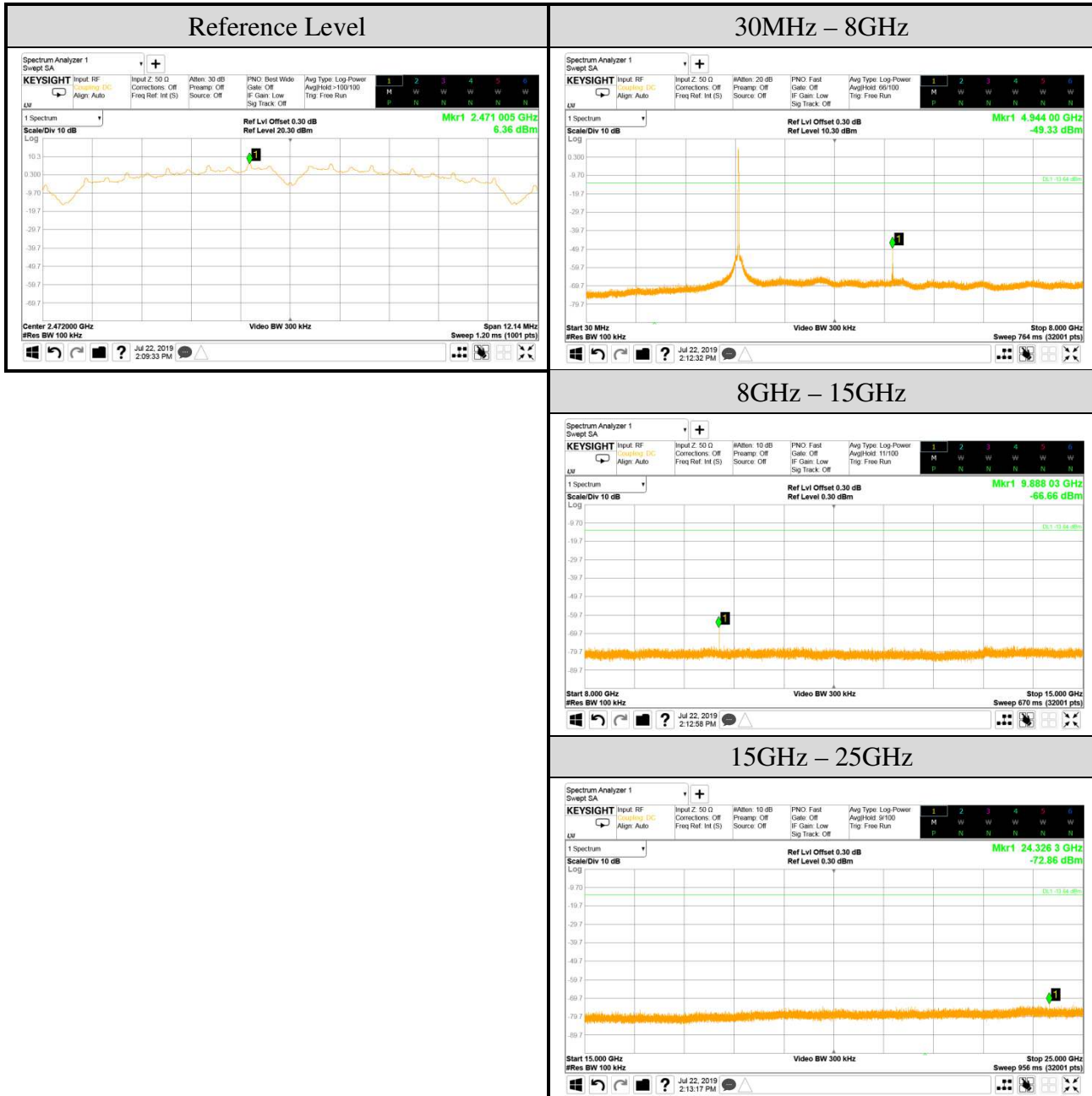
測試日期	2019/07/04	環境溫/濕度	24°C/53%
電纜損失	0.3dB	測試電壓	DC 3.7V(經鋰電池供電)
模式	802.11b	測試頻率	2437MHz
Simultaneous Factor10 log(n) (Note: “n” is antenna number)			0



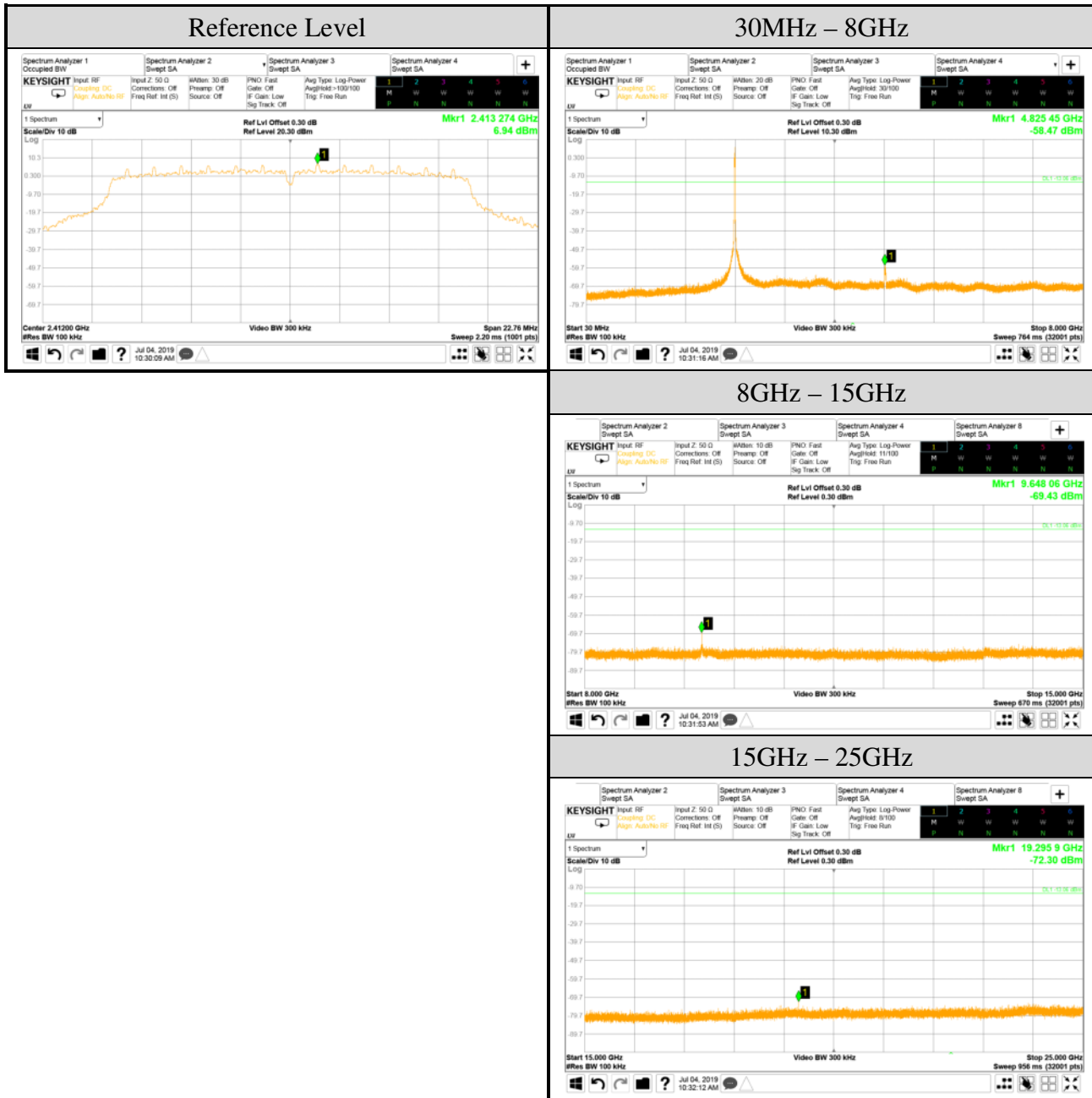
測試日期	2019/07/04	環境溫/濕度	24°C/53%
電纜損失	0.3dB	測試電壓	DC 3.7V(經鋰電池供電)
模式	802.11b	測試頻率	2462MHz
Simultaneous Factor10 log(n) (Note: “n” is antenna number)			0



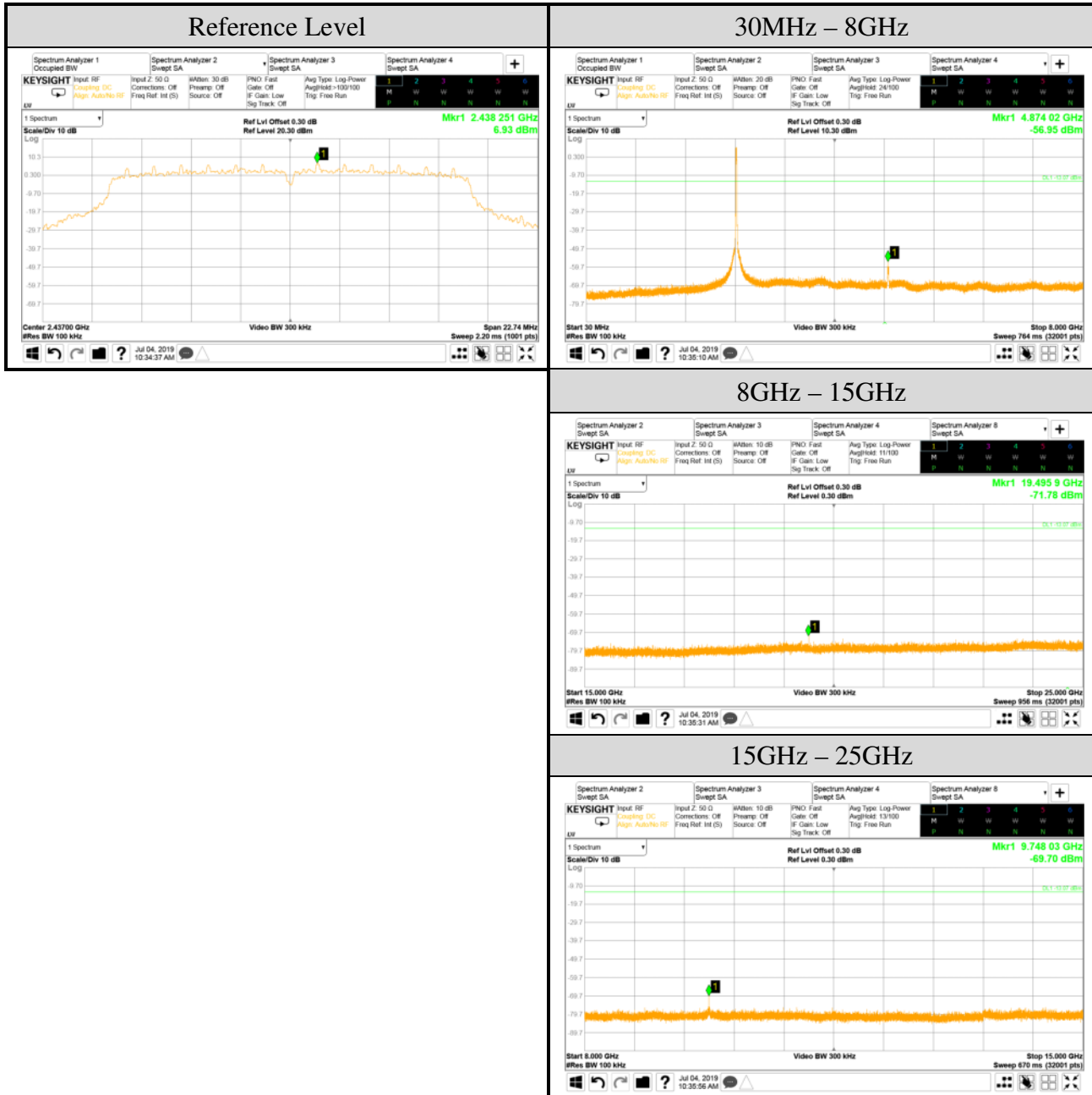
測試日期	2019/07/22	環境溫/濕度	25°C/55%
電纜損失	0.3dB	測試電壓	DC 3.7V(經鋰電池供電)
模式	802.11b	測試頻率	2472MHz
Simultaneous Factor10 log(n) (Note: “n” is antenna number)			0



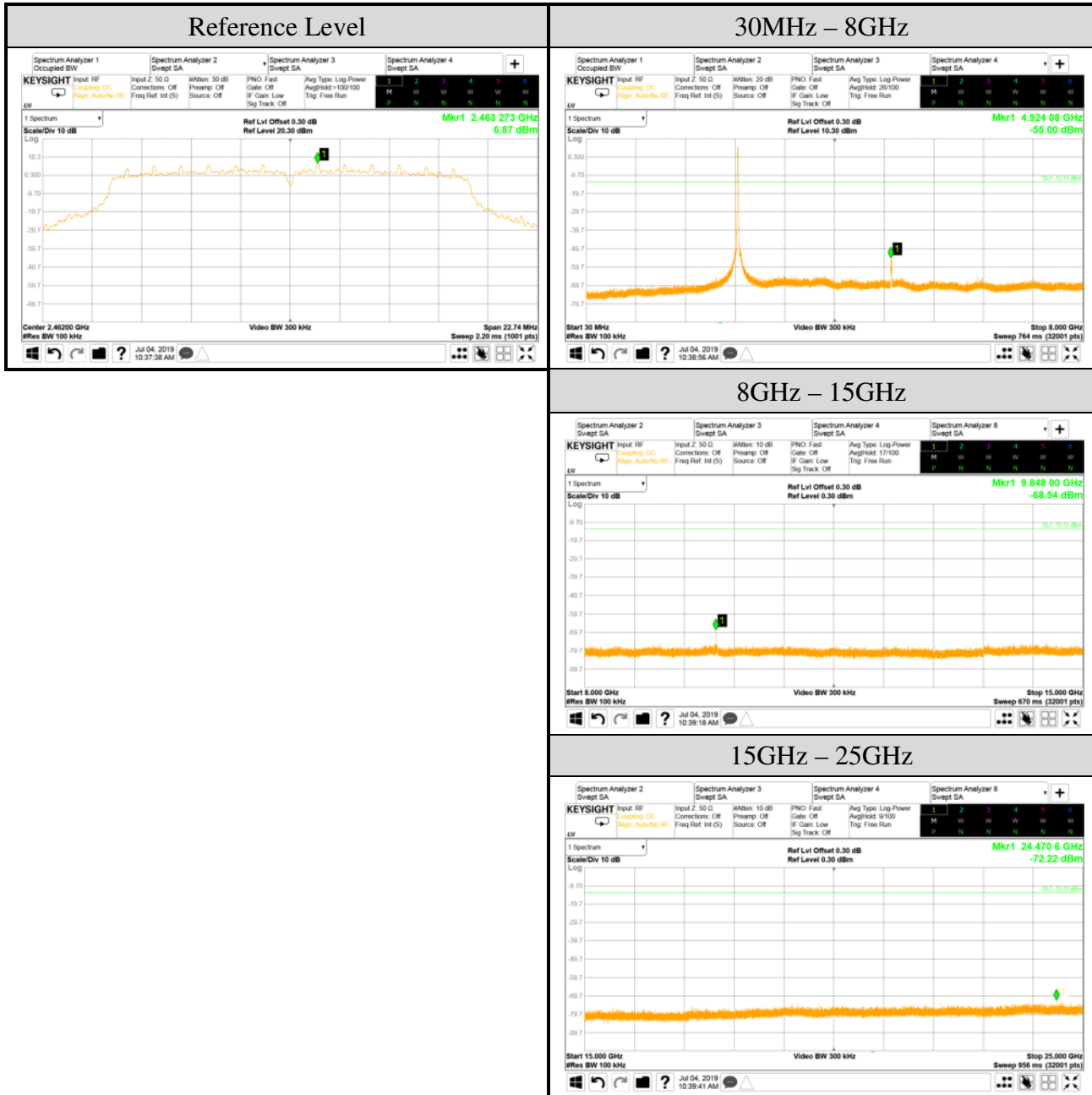
測試日期	2019/07/04	環境溫/濕度	24°C/53%
電纜損失	0.3dB	測試電壓	DC 3.7V(經鋰電池供電)
模式	802.11g	測試頻率	2412MHz
Simultaneous Factor10 log(n) (Note: “n” is antenna number)			0



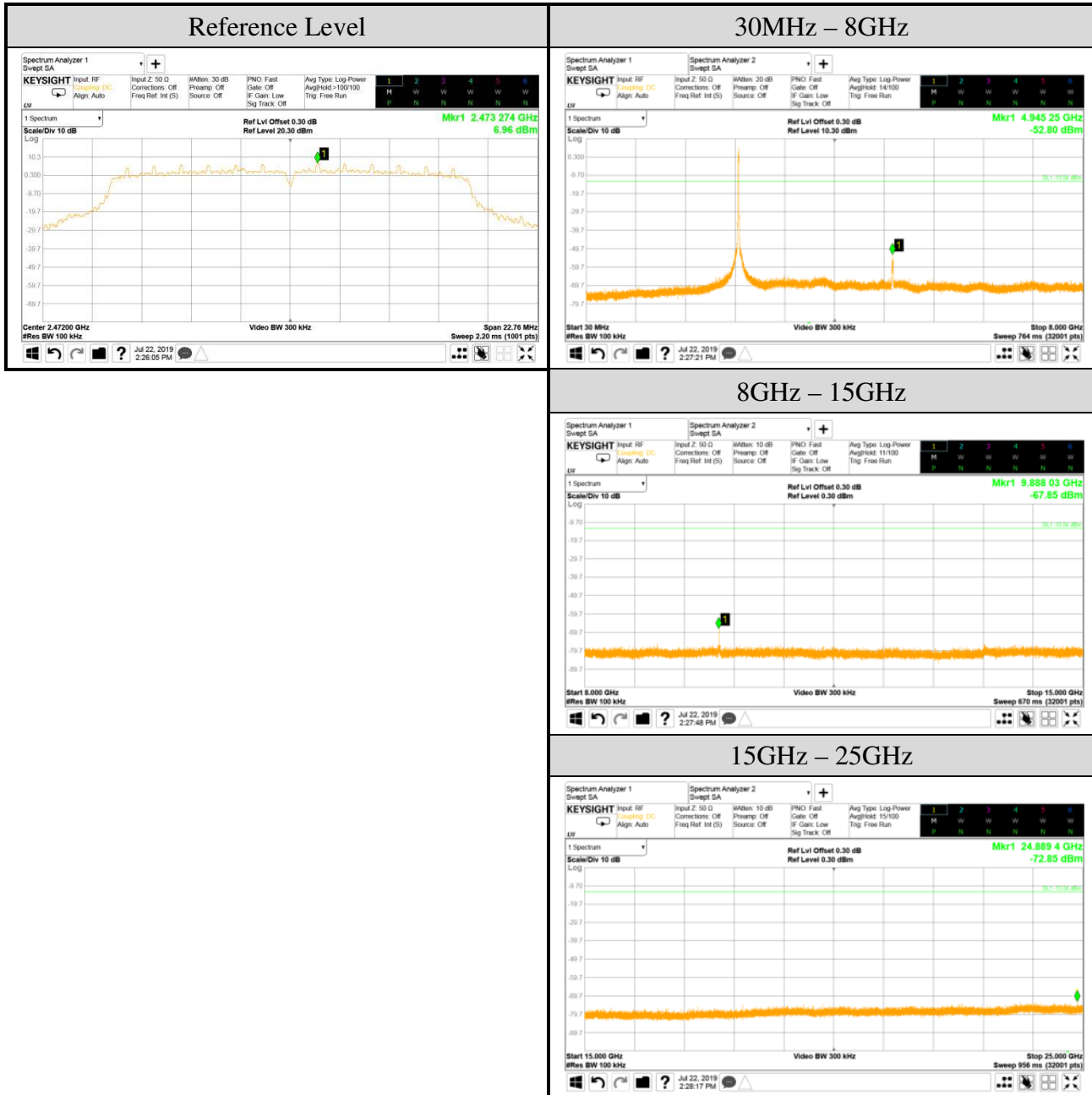
測試日期	2019/07/04	環境溫/濕度	24°C/53%
電纜損失	0.3dB	測試電壓	DC 3.7V(經鋰電池供電)
模式	802.11g	測試頻率	2437MHz
Simultaneous Factor10 log(n) (Note: “n” is antenna number)			0



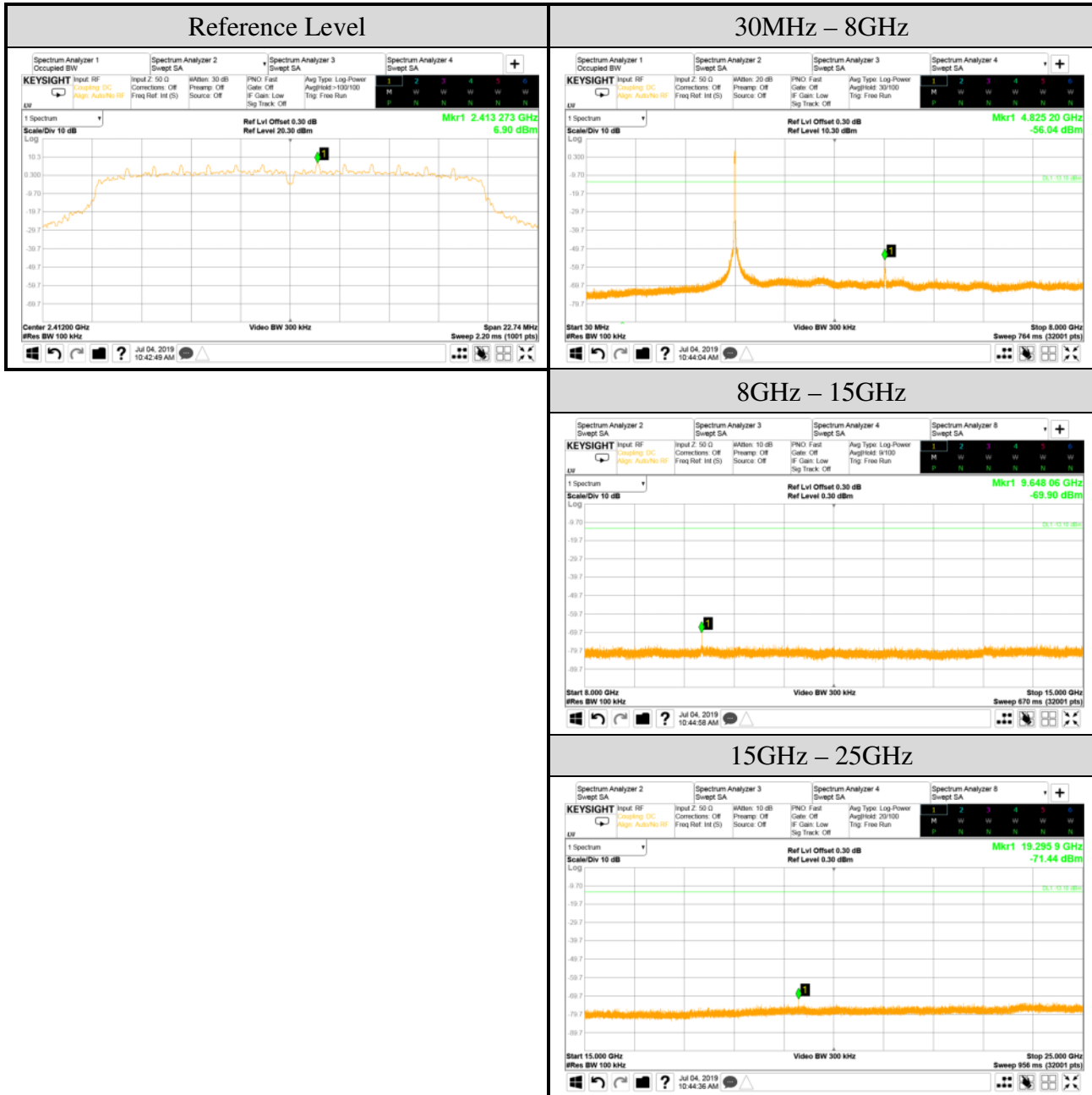
測試日期	2019/07/04	環境溫/濕度	24°C/53%
電纜損失	0.3dB	測試電壓	DC 3.7V(經鋰電池供電)
模式	802.11g	測試頻率	2462MHz
Simultaneous Factor10 log(n) (Note: “n” is antenna number)			0



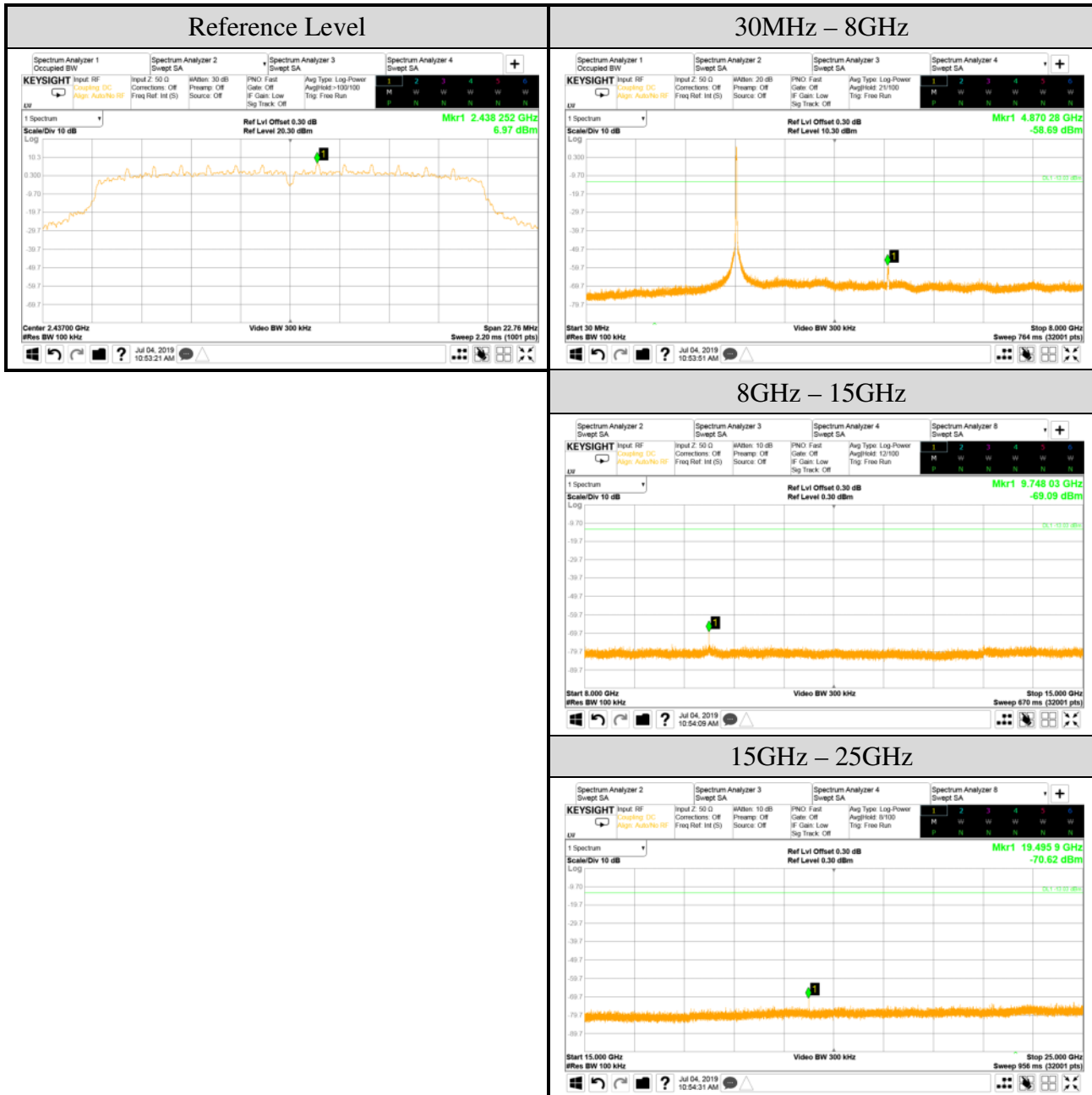
測試日期	2019/07/22	環境溫/濕度	25°C/55%
電纜損失	0.3dB	測試電壓	DC 3.7V(經鋰電池供電)
模式	802.11g	測試頻率	2472MHz
Simultaneous Factor10 log(n) (Note: “n” is antenna number)			0



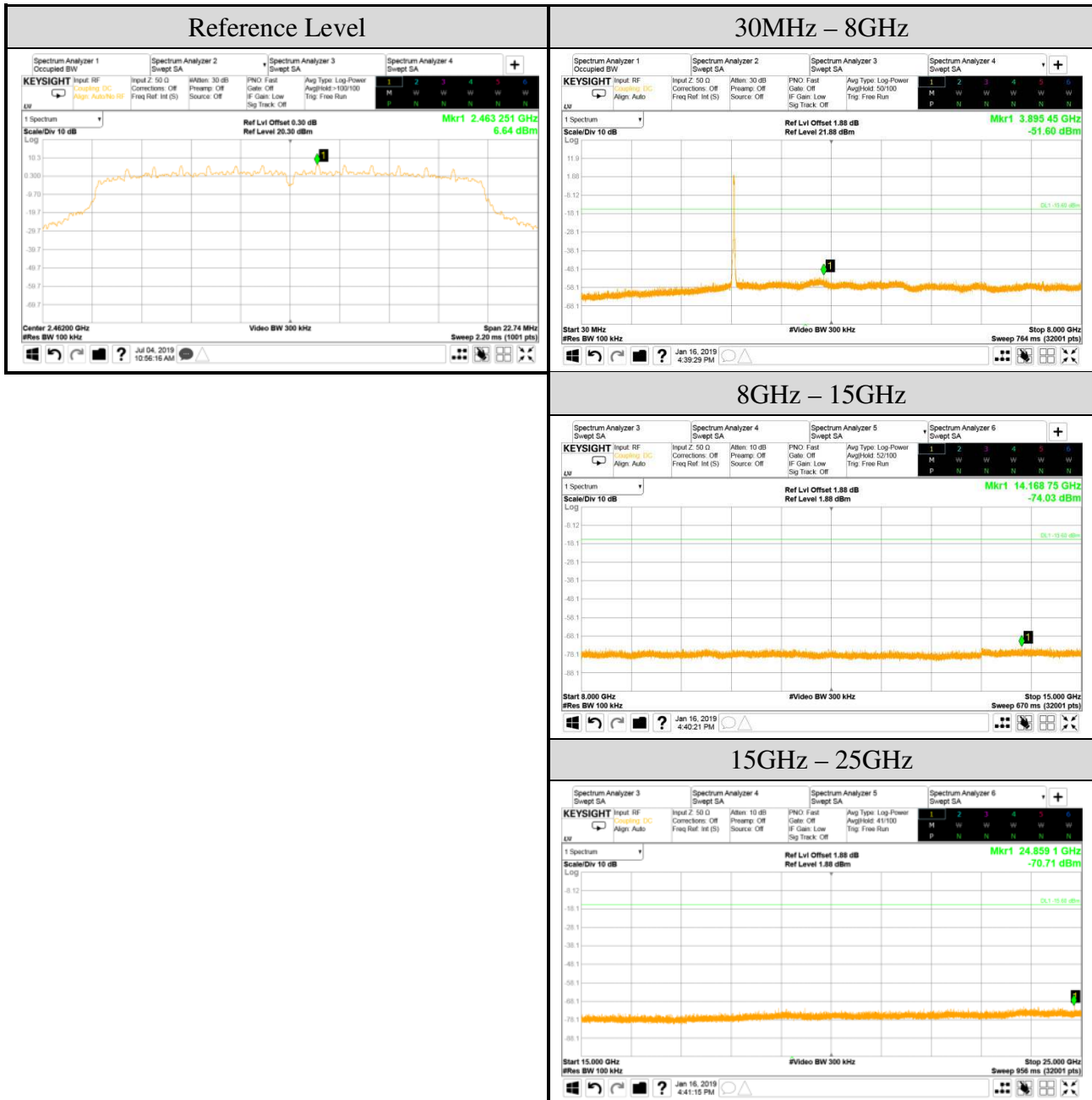
測試日期	2019/07/04	環境溫/濕度	24°C/53%
電纜損失	0.3dB	測試電壓	DC 3.7V(經鋰電池供電)
模式	802.11n-HT20	測試頻率	2412MHz
Simultaneous Factor10 log(n) (Note: “n” is antenna number)			0



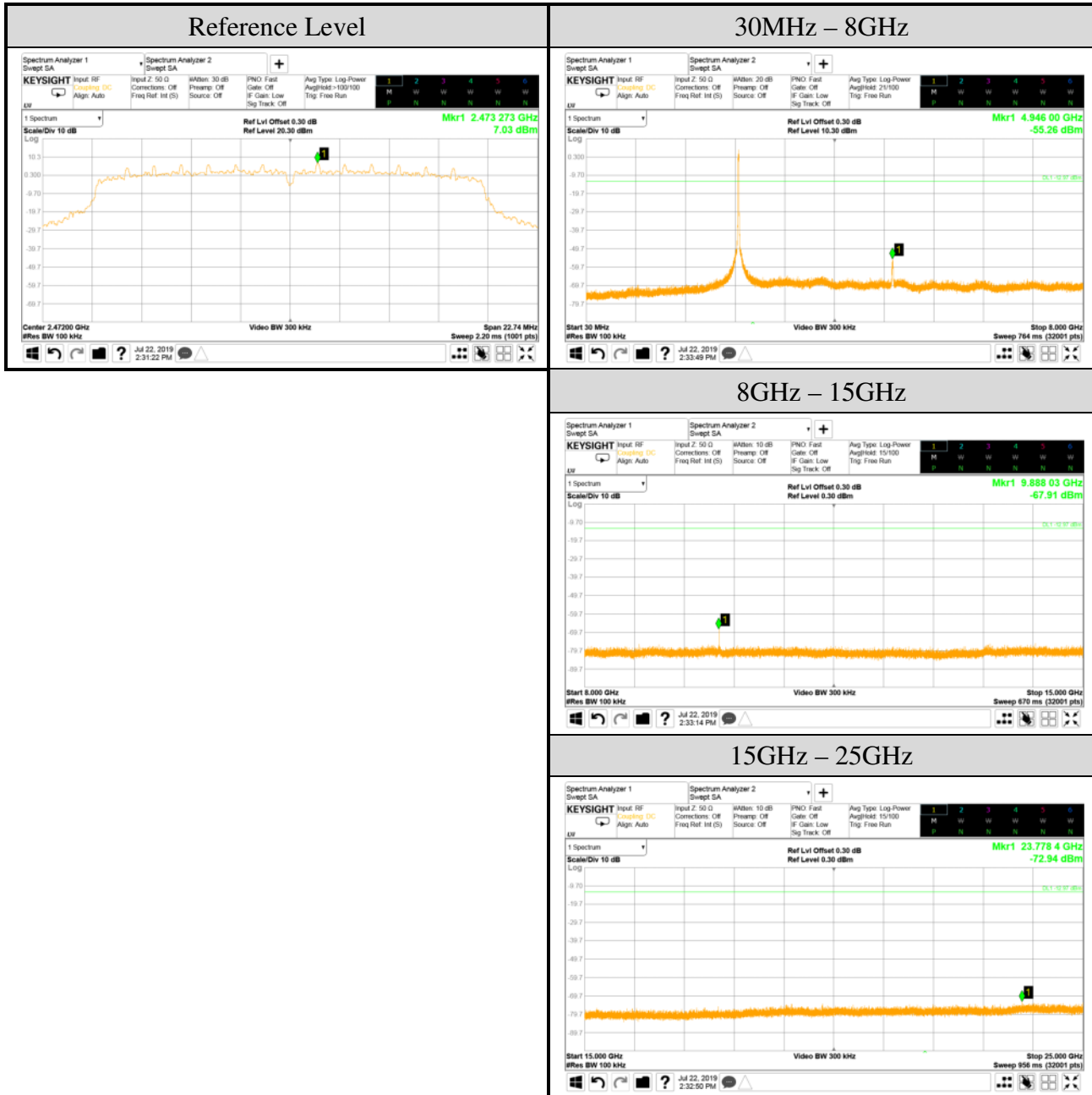
測試日期	2019/07/04	環境溫/濕度	24°C/53%
電纜損失	0.3dB	測試電壓	DC 3.7V(經鋰電池供電)
模式	802.11n-HT20	測試頻率	2437MHz
Simultaneous Factor10 log(n) (Note: “n” is antenna number)			3



測試日期	2019/07/04	環境溫/濕度	24°C/53%
電纜損失	0.3dB	測試電壓	DC 3.7V(經鋰電池供電)
模式	802.11n-HT20	測試頻率	2462MHz
Simultaneous Factor10 log(n) (Note: “n” is antenna number)			0



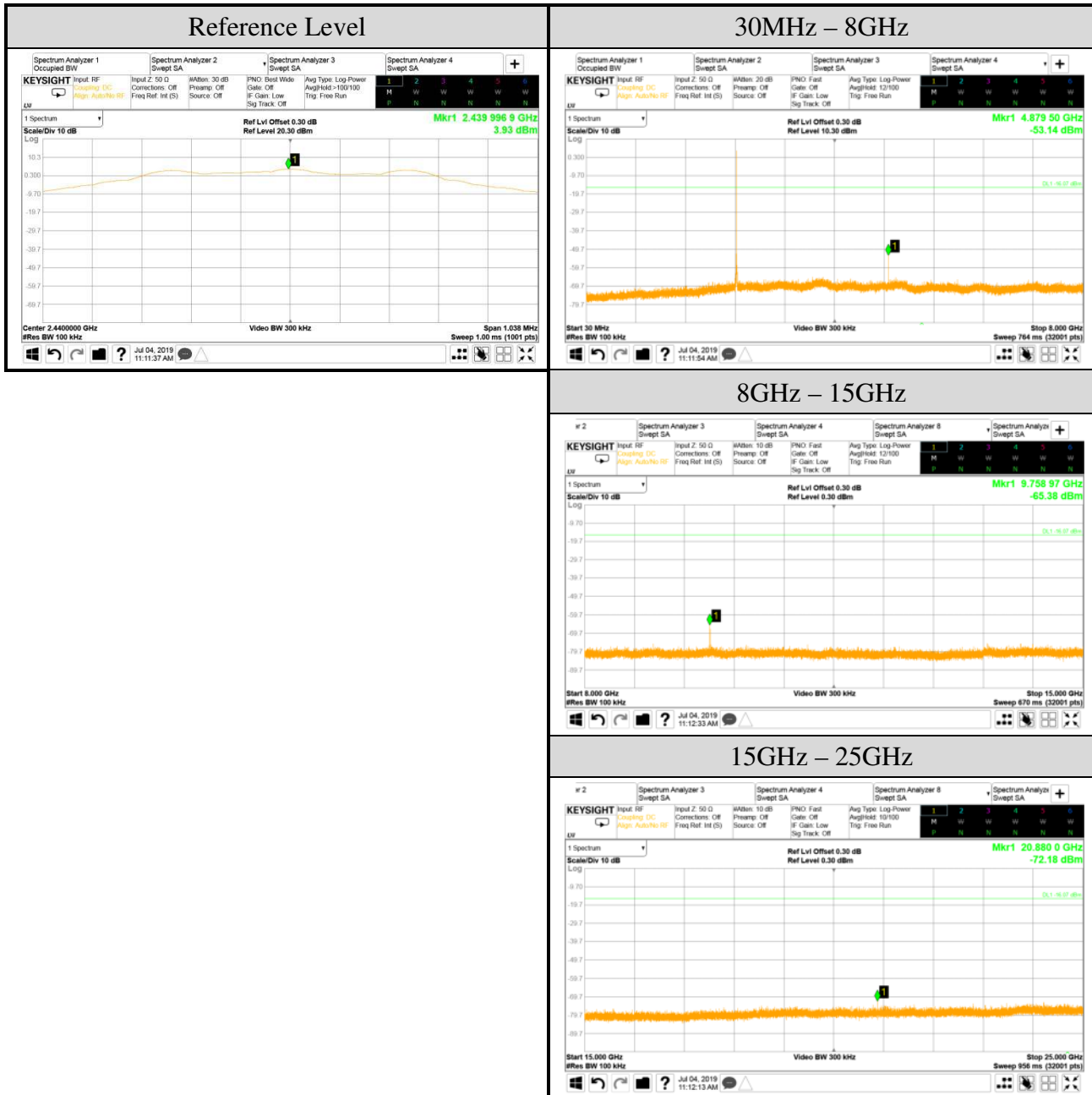
測試日期	2019/07/22	環境溫/濕度	25°C/55%
電纜損失	0.3dB	測試電壓	DC 3.7V(經鋰電池供電)
模式	802.11n-HT20	測試頻率	2472MHz
Simultaneous Factor10 log(n) (Note: “n” is antenna number)			0



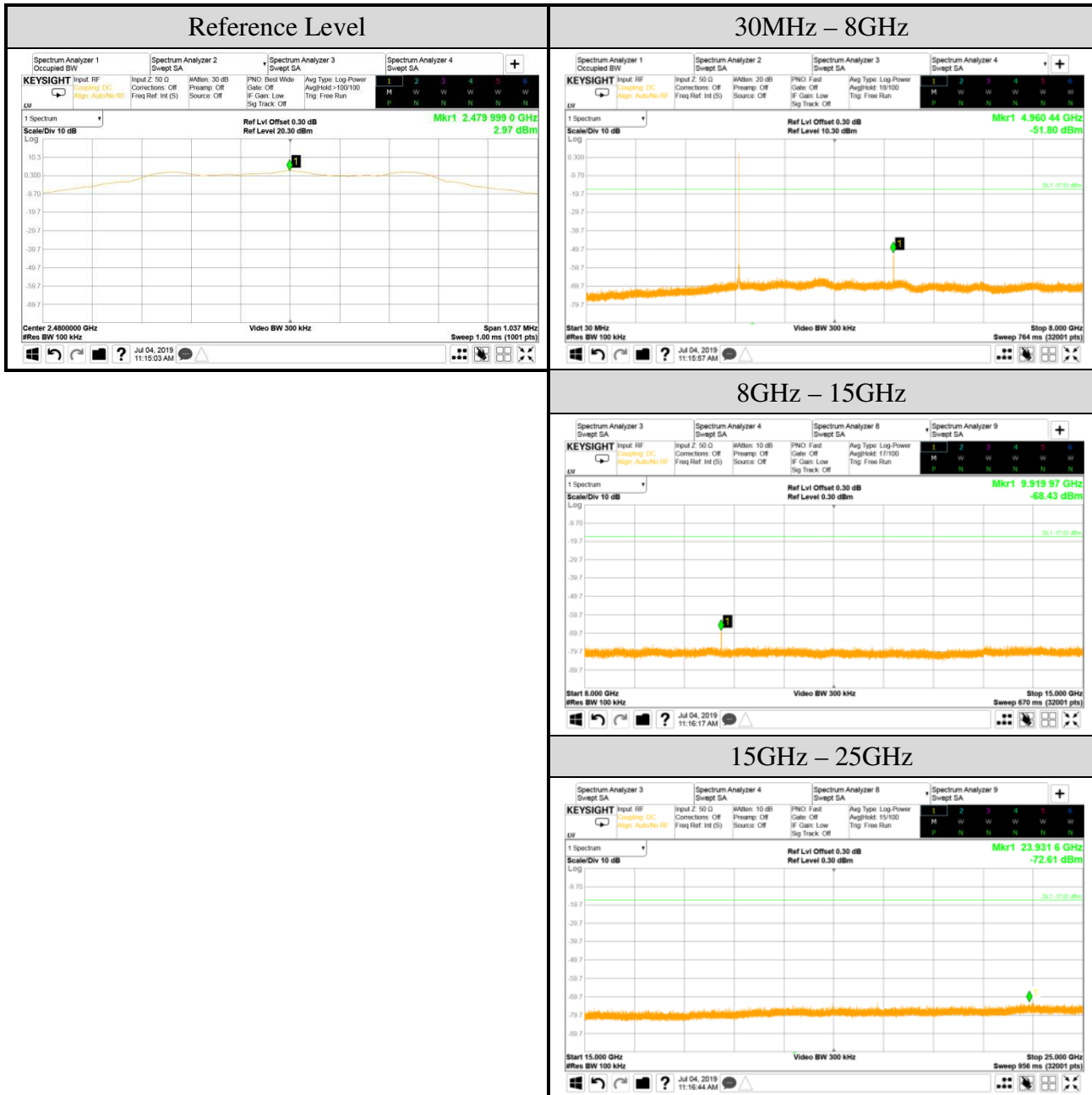
測試日期	2019/07/04	環境溫/濕度	24°C/53%
電纜損失	0.3dB	測試電壓	DC 3.7V(經鋰電池供電)
模式	BLE	測試頻率	2402MHz
Simultaneous Factor10 log(n) (Note: “n” is antenna number)			0



測試日期	2019/07/04	環境溫/濕度	24°C/53%
電纜損失	0.3dB	測試電壓	DC 3.7V(經鋰電池供電)
模式	BLE	測試頻率	2440MHz
Simultaneous Factor10 log(n) (Note: “n” is antenna number)			0



測試日期	2019/07/04	環境溫/濕度	24°C/53%
電纜損失	0.3dB	測試電壓	DC 3.7V(經鋰電池供電)
模式	BLE	測試頻率	2480MHz
Simultaneous Factor10 log(n) (Note: “n” is antenna number)			0



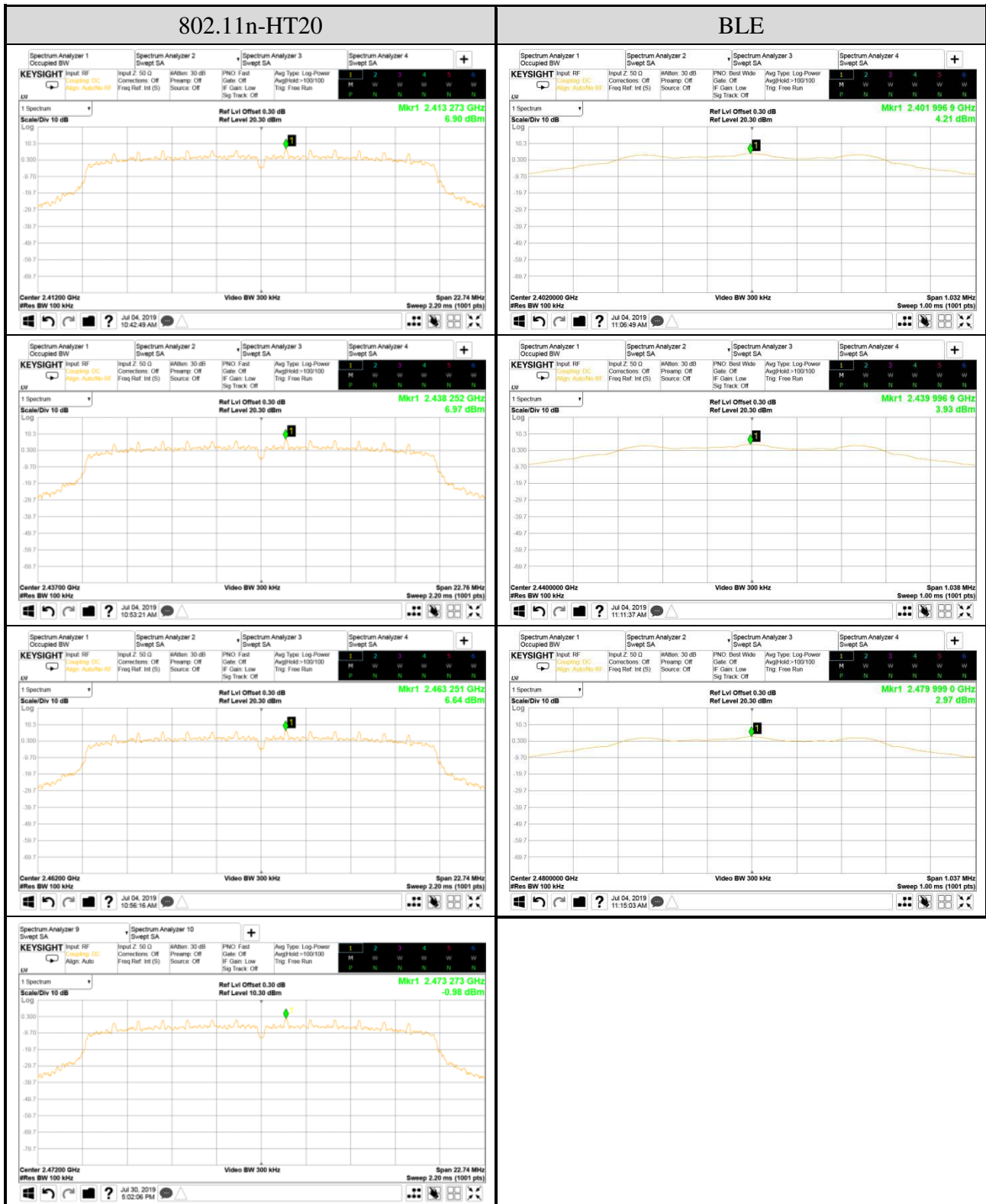
7. 功率密度之量測

測試日期	2019/07/04~30	環境溫/濕度	24~25°C/53~55%
電纜損失	0.3dB	測試電壓	DC 3.7V(經鋰電池供電)
Simultaneous Factor10 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
802.11b	2412	6.17	<8dBm/3kHz
	2437	6.27	
	2462	6.32	
	2472	6.36	
802.11g	2412	6.94	
	2437	6.93	
	2462	6.87	
	2472	-0.96	
802.11n-HT20	2412	6.90	
	2437	6.97	
	2462	6.64	
	2472	-0.98	
BLE	2402	4.21	
	2440	3.93	
	2480	2.97	

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



8. 電波暴露量之量測

測試日期	2019/07/22	環境溫/濕度	25°C/55%
電纜損失	0.3dB	測試電壓	DC 3.7V(經鋰電池供電)

● WLAN 2.4G 模式

距離人體(r):	20	cm		
最大發射功率(P):	22.98	dBm	=	198.609 mW
最大天線增益(G):	2.4	dBi	=	1.738 Numerical
MPE (S) = (P*G) / (4*π*r ²) =	0.0687 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。				
2. 電磁波曝露量MPE標準值1mW/cm ² ，送測產品實測值為：0.0687 mW/cm ²				

● WLAN 5G 模式

距離人體(r):	20	cm		
最大發射功率(P):	14.75	dBm	=	29.854 mW
最大天線增益(G):	3	dBi	=	1.995 Numerical
MPE (S) = (P*G) / (4*π*r ²) =	0.0118 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。				
2. 電磁波曝露量MPE標準值1mW/cm ² ，送測產品實測值為：0.0118 mW/cm ²				

● BT 模式

距離人體(r):	20	cm		
最大發射功率(P):	6.66	dBm	=	4.634 mW
最大天線增益(G):	2.4	dBi	=	1.738 Numerical
MPE (S) = (P*G) / (4*π*r ²) =	0.0016		mW/cm ²	
註：1. 最大發射功率系指BT & BLE頻道中最大之發射功率。				
2. 電磁波曝露量MPE標準值1mW/cm ² ，送測產品實測值為：0.0016 mW/cm ²				

● 同時發射模式

WLAN 2.4G (mW/cm ²)	BT (mW/cm ²)	Total (mW/cm ²)	Limit (mW/cm ²)
0.0687	0.0016	0.0703	≤1
註：電磁波曝露量MPE標準值1mW/cm ² ，送測產品實測值為：0.0703 mW/cm ²			

WLAN 5G (mW/cm ²)	BT (mW/cm ²)	Total (mW/cm ²)	Limit (mW/cm ²)
0.0118	0.0016	0.0134	≤1
註：電磁波曝露量MPE標準值1mW/cm ² ，送測產品實測值為：0.0134 mW/cm ²			