

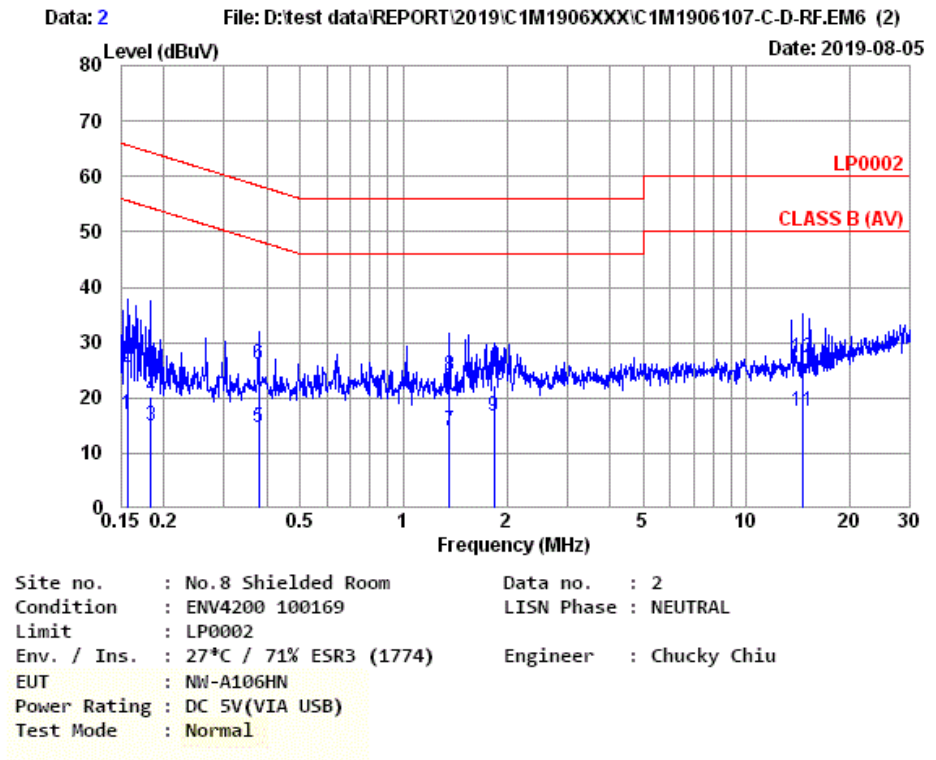
附錄一

受測裝置之測試結果

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1. 電源線傳導干擾之量測

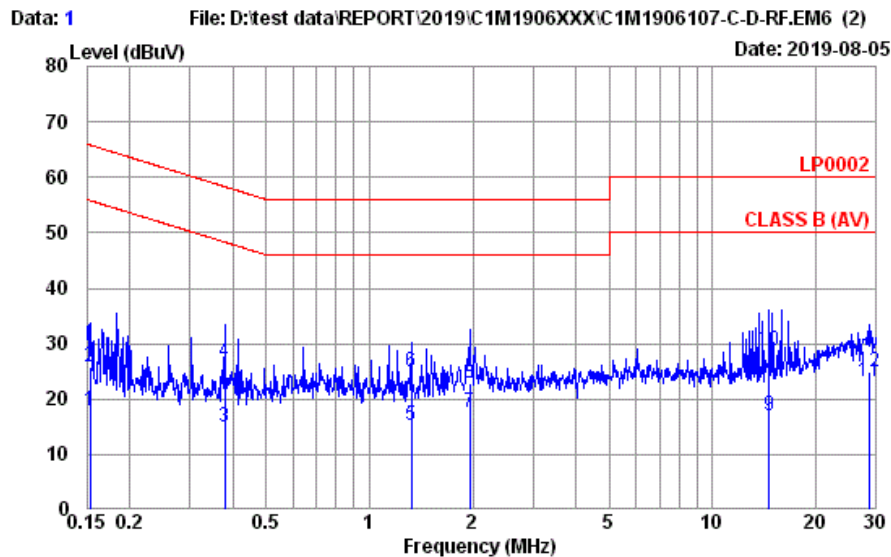
測試日期	2019/08/05	環境溫/濕度	27°C/71%
測試電壓	DC 5V(經 USB 電源供電)		



	Freq. (MHz)	AMN Factor (dB)	Cable Loss (dB)	Pulse Att. (dB)	Reading (dBμV)	Emission Level (dBμV)	Limits (dBμV)	Margin (dB)	Remark
1	0.156	10.69	0.03	9.86	-3.69	16.89	55.65	38.76	Average
2	0.156	10.69	0.03	9.86	4.96	25.54	65.65	40.11	QP
3	0.183	10.64	0.03	9.86	-5.57	14.96	54.33	39.37	Average
4	0.183	10.64	0.03	9.86	-0.41	20.12	64.33	44.21	QP
5	0.379	10.50	0.04	9.86	-5.73	14.67	48.30	33.63	Average
6	0.379	10.50	0.04	9.86	5.66	26.06	58.30	32.24	QP
7	1.359	10.49	0.06	9.86	-6.34	14.07	46.00	31.93	Average
8	1.359	10.49	0.06	9.86	3.66	24.07	56.00	31.93	QP
9	1.839	10.51	0.07	9.86	-3.62	16.82	46.00	29.18	Average
10	1.839	10.51	0.07	9.86	1.83	22.27	56.00	33.73	QP
11	14.517	12.55	0.23	9.92	-5.13	17.57	50.00	32.43	Average
12	14.517	12.55	0.23	9.92	4.61	27.31	60.00	32.69	QP

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

測試日期	2019/08/05	環境溫/濕度	27°C/71%
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. : 27°C / 71% ESR3 (1774) Engineer : Chucky Chiu
EUT : NW-A106HN
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	0.153	10.61	0.03	9.86	-2.71	17.79	55.82	38.03	Average
2	0.153	10.61	0.03	9.86	5.22	25.72	65.82	40.10	QP
3	0.379	10.46	0.04	9.86	-5.49	14.87	48.30	33.43	Average
4	0.379	10.46	0.04	9.86	6.23	26.59	58.30	31.71	QP
5	1.324	10.43	0.06	9.86	-4.97	15.38	46.00	30.62	Average
6	1.324	10.43	0.06	9.86	4.51	24.86	56.00	31.14	QP
7	1.959	10.45	0.08	9.86	-2.84	17.55	46.00	28.45	Average
8	1.959	10.45	0.08	9.86	2.55	22.94	56.00	33.06	QP
9	14.594	12.22	0.23	9.92	-5.38	16.99	50.00	33.01	Average
10	14.594	12.22	0.23	9.92	6.34	28.71	60.00	31.29	QP
11	28.755	15.49	0.33	10.00	-2.60	23.22	50.00	26.78	Average
12	28.755	15.49	0.33	10.00	-0.82	25.00	60.00	35.00	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	2472MHz	1000-25000MHz
802.11g	發射	2467MHz	1000-25000MHz
802.11n-HT20	發射	2462MHz*	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	2019/07/31~08/05	環境溫/濕度	21~22°C/52~54%
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	---
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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	25.72	1.19	1.85	28.76	40.00	11.24	Peak
93.05	16.05	2.20	3.92	22.17	43.50	21.33	Peak
373.38	21.74	5.53	2.07	29.34	46.00	16.66	Peak
705.12	25.49	7.39	1.30	34.18	46.00	11.82	Peak
837.04	26.80	8.11	1.51	36.42	46.00	9.58	Peak
968.96	27.84	8.86	0.65	37.35	54.00	16.65	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	25.72	1.19	0.41	27.32	40.00	12.68	Peak
126.03	18.31	2.61	0.84	21.76	43.50	21.74	Peak
467.47	23.31	6.48	1.67	31.46	46.00	14.54	Peak
657.59	25.16	7.17	1.64	33.97	46.00	12.03	Peak
863.23	27.02	8.26	1.23	36.51	46.00	9.49	Peak
971.87	27.87	8.88	1.64	38.39	54.00	15.61	Peak

● Wireless LAN 模式

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
30.00	25.72	1.19	1.67	28.58	40.00	11.42	Peak
129.91	18.09	2.65	1.91	22.65	43.50	20.85	Peak
388.90	22.14	5.73	1.89	29.76	46.00	16.24	Peak
728.40	25.77	7.52	2.38	35.67	46.00	10.33	Peak
872.93	27.09	8.31	1.10	36.50	46.00	9.50	Peak
982.54	27.94	8.94	0.86	37.74	54.00	16.26	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	25.72	1.19	0.21	27.12	40.00	12.88	Peak
118.27	18.55	2.51	0.71	21.77	43.50	21.73	Peak
434.49	22.87	6.20	1.24	30.31	46.00	15.69	Peak
716.76	25.63	7.46	0.89	33.98	46.00	12.02	Peak
909.79	27.39	8.51	1.23	37.13	46.00	8.87	Peak
986.42	27.97	8.96	1.66	38.59	54.00	15.41	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
30.97	25.03	1.21	0.93	27.17	40.00	12.83	Peak
93.05	16.05	2.20	3.92	22.17	43.50	21.33	Peak
473.29	23.39	6.53	1.12	31.04	46.00	14.96	Peak
762.35	26.12	7.71	0.39	34.22	46.00	11.78	Peak
871.96	27.09	8.30	1.05	36.44	46.00	9.56	Peak
969.93	27.84	8.87	1.06	37.77	54.00	16.23	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	25.03	1.21	0.38	26.62	40.00	13.38	Peak
125.06	18.36	2.59	1.04	21.99	43.50	21.51	Peak
515.97	23.88	6.77	1.35	32.00	46.00	14.00	Peak
735.19	25.82	7.56	1.16	34.54	46.00	11.46	Peak
910.76	27.39	8.52	1.86	37.77	46.00	8.23	Peak
974.78	27.89	8.90	1.10	37.89	54.00	16.11	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
30.00	25.72	1.19	-0.23	26.68	40.00	13.32	Peak
135.73	17.80	2.72	2.54	23.06	43.50	20.44	Peak
486.87	23.56	6.65	2.09	32.30	46.00	13.70	Peak
663.41	25.21	7.19	1.57	33.97	46.00	12.03	Peak
923.37	27.49	8.59	1.88	37.96	46.00	8.04	Peak
984.48	27.97	8.95	1.48	38.40	54.00	15.60	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	25.72	1.19	0.29	27.20	40.00	12.80	Peak
117.30	18.50	2.50	0.45	21.45	43.50	22.05	Peak
311.30	20.04	4.62	0.94	25.60	46.00	20.40	Peak
408.30	22.52	5.95	2.52	30.99	46.00	15.01	Peak
791.45	26.40	7.86	1.43	35.69	46.00	10.31	Peak
978.66	27.92	8.92	0.97	37.81	54.00	16.19	Peak

Mode	---	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
32.91	23.73	1.25	2.12	27.10	40.00	12.90	Peak
93.05	16.05	2.20	3.71	21.96	43.50	21.54	Peak
439.34	22.94	6.24	1.56	30.74	46.00	15.26	Peak
677.96	25.30	7.26	2.25	34.81	46.00	11.19	Peak
819.58	26.65	8.01	1.80	36.46	46.00	9.54	Peak
976.72	27.89	8.91	1.26	38.06	54.00	15.94	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	25.03	1.21	-0.07	26.17	40.00	13.83	Peak
134.76	17.85	2.71	1.78	22.34	43.50	21.16	Peak
472.32	23.37	6.53	1.69	31.59	46.00	14.41	Peak
683.78	25.35	7.29	1.21	33.85	46.00	12.15	Peak
826.37	26.72	8.05	2.57	37.34	46.00	8.66	Peak
994.18	28.02	9.01	1.22	38.25	54.00	15.75	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
2274.00	32.10	8.13	5.14	45.37	54.00	8.63	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
2110.00	31.54	8.08	5.58	45.20	54.00	8.80	Peak

● Wireless LAN 模式

Mode	802.11b	Frequency	TX 2472MHz
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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
4945.00	34.41	10.44	3.83	48.68	74.00	25.32	Peak
9890.00	37.38	14.51	-0.87	51.02	54.00	2.98	Average
9890.00	37.38	14.51	3.63	55.52	74.00	18.48	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
4945.00	34.41	10.44	0.26	45.11	54.00	8.89	Peak
9890.00	37.38	14.51	-1.91	49.98	54.00	4.02	Peak

Mode	802.11g	Frequency	TX 2467MHz
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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
4935.00	34.43	10.43	2.65	47.51	74.00	26.49	Peak
9860.00	37.32	14.49	-8.26	43.55	54.00	10.45	Average
9860.00	37.32	14.49	3.74	55.55	74.00	18.45	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
4935.00	34.43	10.43	-0.34	44.52	54.00	9.48	Peak
9860.00	37.32	14.49	-3.76	48.05	54.00	5.95	Peak

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 (dB μ V)	Emission Level (dB μ V/m)	Limits (dB μ V/m)	Margin (dB)	Detector
4935.00	34.43	10.43	2.81	47.67	54.00	6.33	Peak
9870.00	37.34	14.49	1.42	53.25	54.00	0.75	Peak

Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dB μ V)	Emission Level (dB μ V/m)	Limits (dB μ V/m)	Margin (dB)	Detector
4935.00	34.43	10.43	-0.95	43.91	54.00	10.09	Peak
9870.00	37.34	14.49	-3.40	48.43	54.00	5.57	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 (dB μ V)	Emission Level (dB μ V/m)	Limits (dB μ V/m)	Margin (dB)	Detector
2262.00	32.15	8.13	5.92	46.20	54.00	7.80	Peak

Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dB μ V)	Emission Level (dB μ V/m)	Limits (dB μ V/m)	Margin (dB)	Detector
2262.00	32.15	8.13	5.29	45.57	54.00	8.43	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	33.92	10.31	5.50	49.73	54.00	4.27	Peak
7205.00	35.70	11.91	-2.55	45.06	54.00	8.94	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
4805.00	33.92	10.31	2.23	46.46	54.00	7.54	Peak
7205.00	35.70	11.91	-2.54	45.07	54.00	8.93	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	34.34	10.38	4.00	48.72	54.00	5.28	Peak
7320.00	35.90	12.01	-2.43	45.48	54.00	8.52	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	34.34	10.38	1.82	46.54	54.00	7.46	Peak
7320.00	35.90	12.01	-2.29	45.62	54.00	8.38	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	34.32	10.45	2.26	47.03	54.00	6.97	Peak
7440.00	35.90	12.11	-0.41	47.60	54.00	6.40	Peak

Antenna at Vertical Polarization

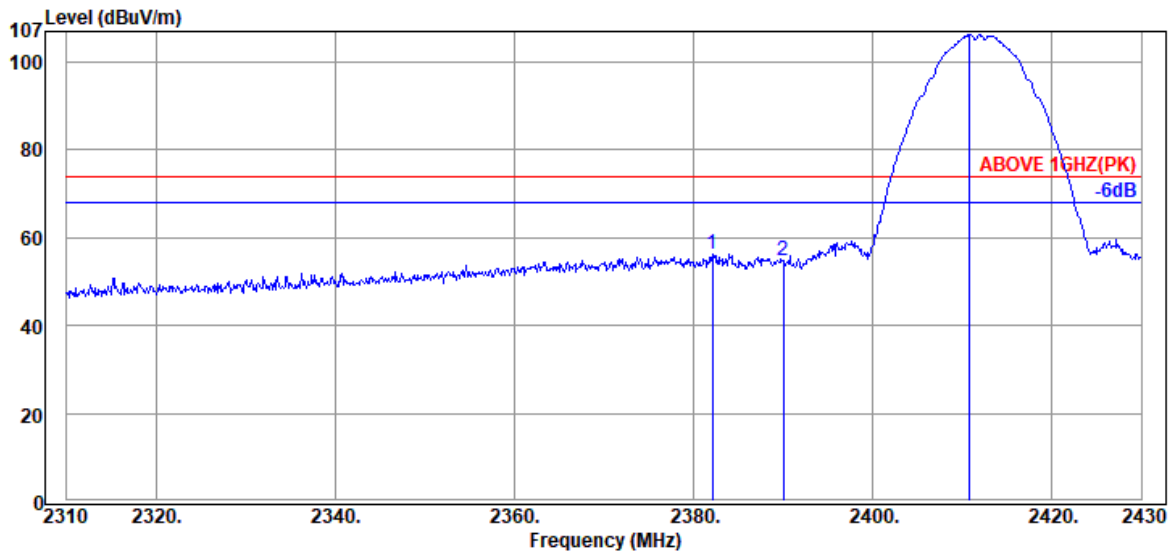
Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
4960.00	34.32	10.45	0.22	44.99	54.00	9.01	Peak
7440.00	35.90	12.11	-1.93	46.08	54.00	7.92	Peak

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
2248.00	32.17	8.12	5.57	45.86	54.00	8.14	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
2268.00	32.13	8.13	6.17	46.43	54.00	7.57	Peak

2.3. 禁用頻帶量測結果 (其他不必要發射)

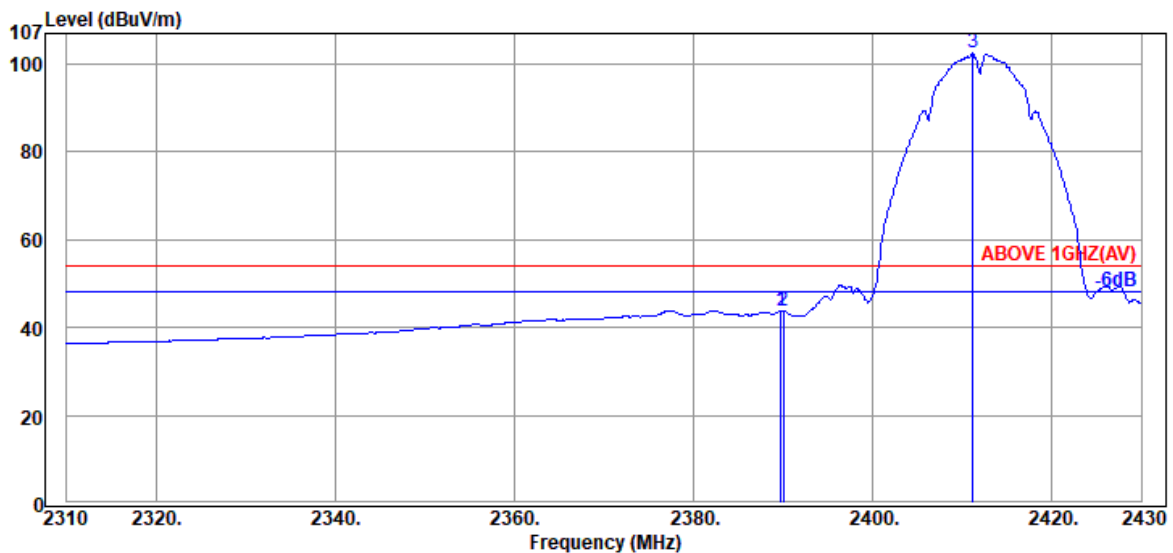
● Wireless LAN 模式

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
2382.12	32.00	8.17	16.19	56.36	74.00	17.64	Peak
2390.04	32.00	8.17	14.56	54.73	74.00	19.27	Peak
@ 2410.80	32.15	8.18	65.82	106.15	---	---	Peak

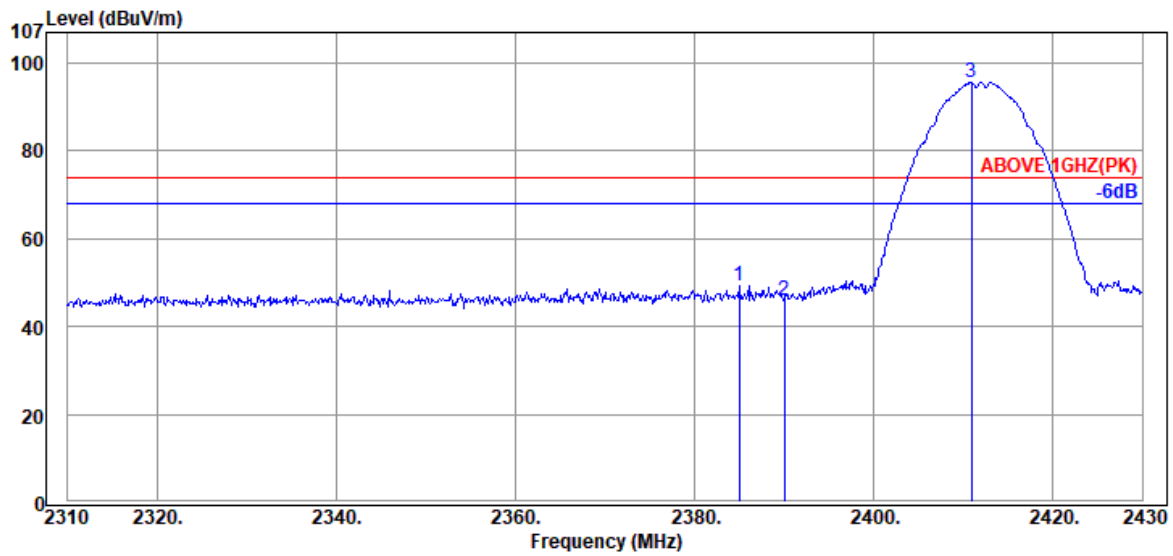


Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
2389.80	32.00	8.17	3.73	43.90	54.00	10.10	Average
2390.04	32.00	8.17	3.75	43.92	54.00	10.08	Average
@ 2411.16	32.16	8.18	62.11	102.45	---	---	Average

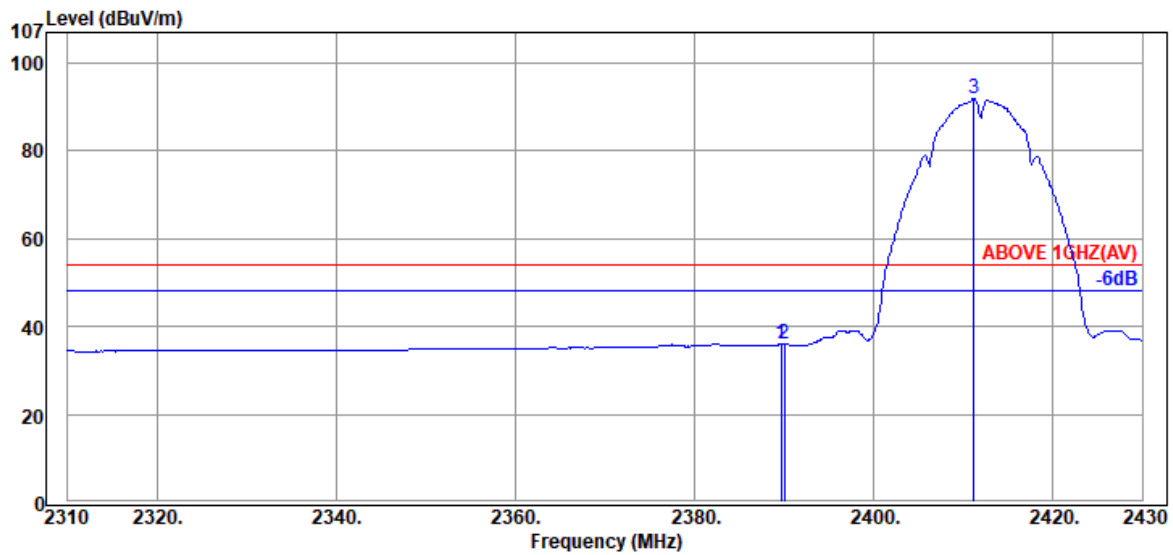
備註：“@”為主波，在此章節是不予以判定。

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 (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
2385.00	32.00	8.17	9.20	49.37	74.00	24.63	Peak
2390.04	32.00	8.17	5.87	46.04	74.00	27.96	Peak
@ 2410.92	32.15	8.18	55.19	95.52	---	---	Peak

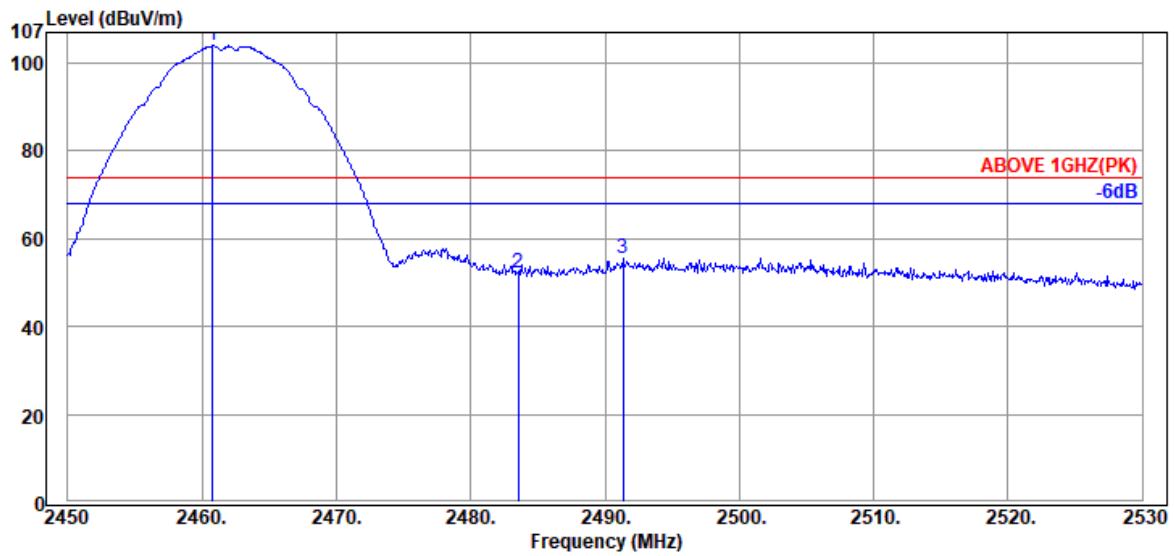


Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
2389.68	32.00	8.17	-4.14	36.03	54.00	17.97	Average
2390.04	32.00	8.17	-4.07	36.10	54.00	17.90	Average
@ 2411.16	32.16	8.18	51.56	91.90	---	---	Average

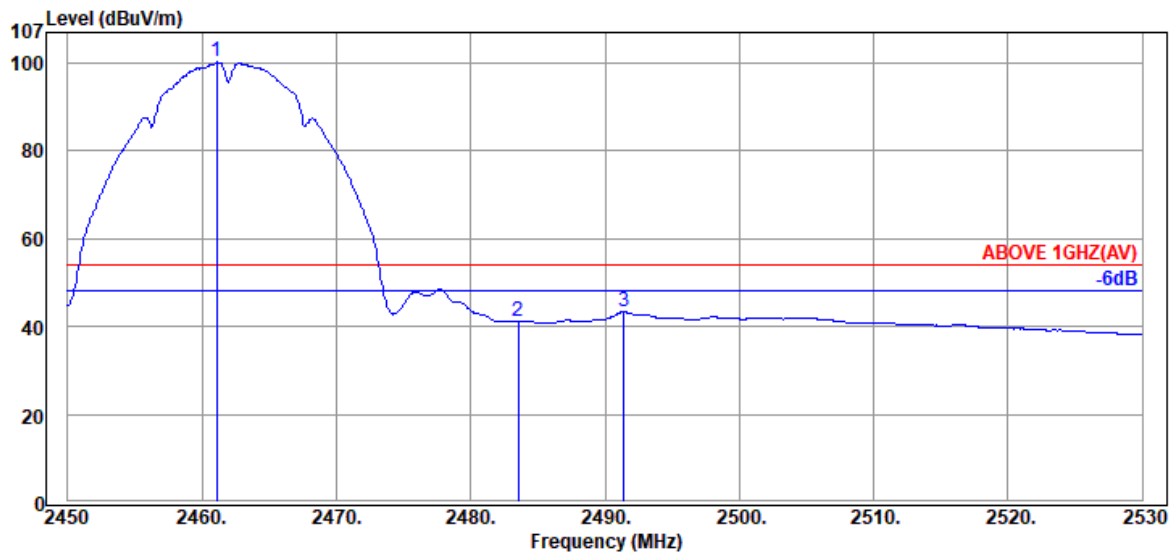
備註：“@”為主波，在此章節是不予以判定。

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
@	2460.80	32.66	8.20	63.02	103.88	---	---	Peak
	2483.52	32.57	8.20	11.47	52.24	74.00	21.76	Peak
	2491.36	32.53	8.21	14.96	55.70	74.00	18.30	Peak

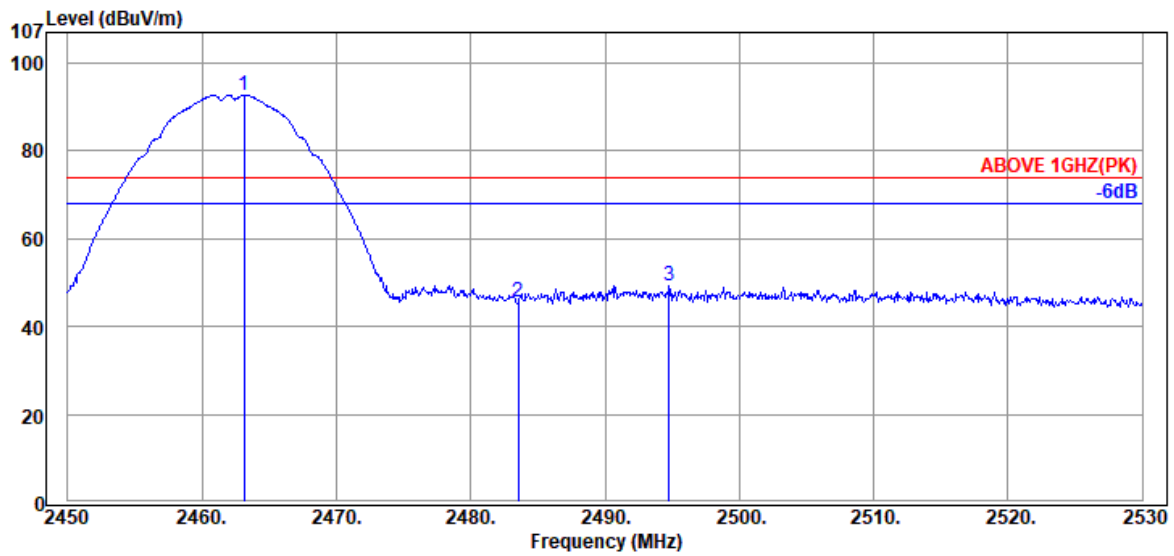


Antenna at Horizontal Polarization

	Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@	2461.12	32.66	8.20	59.35	100.21	---	---	Average
	2483.52	32.57	8.20	0.34	41.11	54.00	12.89	Average
	2491.44	32.53	8.21	2.60	43.34	54.00	10.66	Average

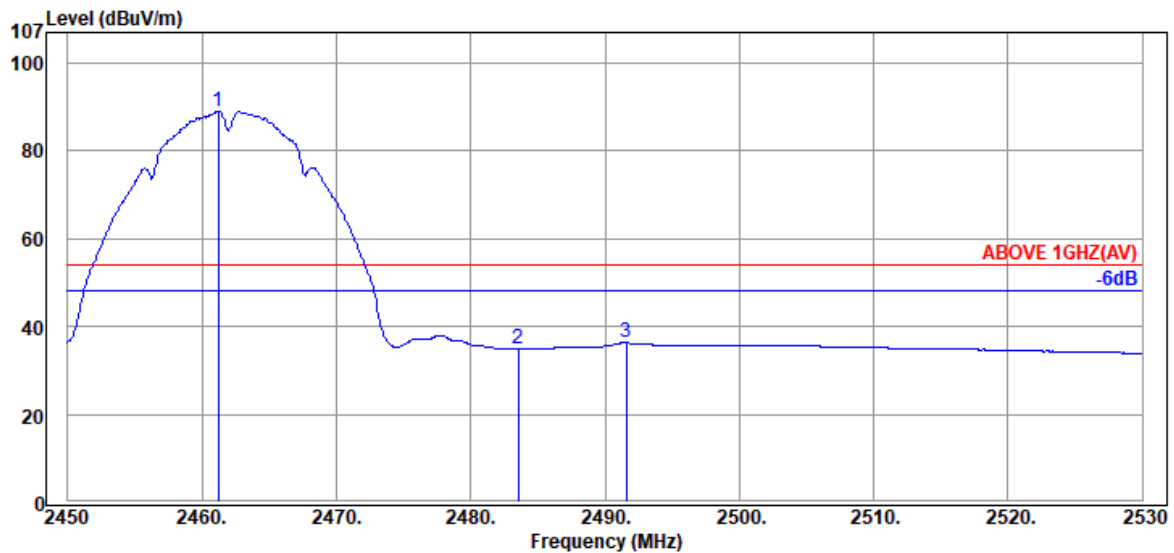
備註：“@”為主波，在此章節是不予以判定。

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
@	2463.12	32.65	8.20	51.88	92.73	---	---	Peak
	2483.52	32.57	8.20	4.88	45.65	74.00	28.35	Peak
	2494.80	32.52	8.21	8.60	49.33	74.00	24.67	Peak

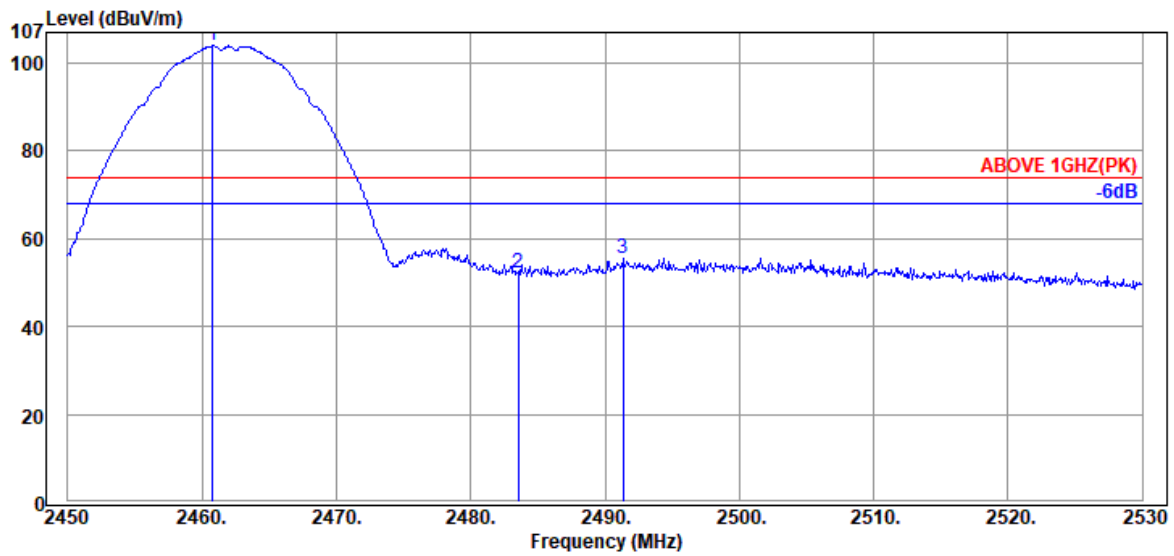


Antenna at Vertical Polarization

	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	32.66	8.20	48.22	89.08	---	---	Average
	2483.52	32.57	8.20	-5.74	35.03	54.00	18.97	Average
	2491.60	32.53	8.21	-4.46	36.28	54.00	17.72	Average

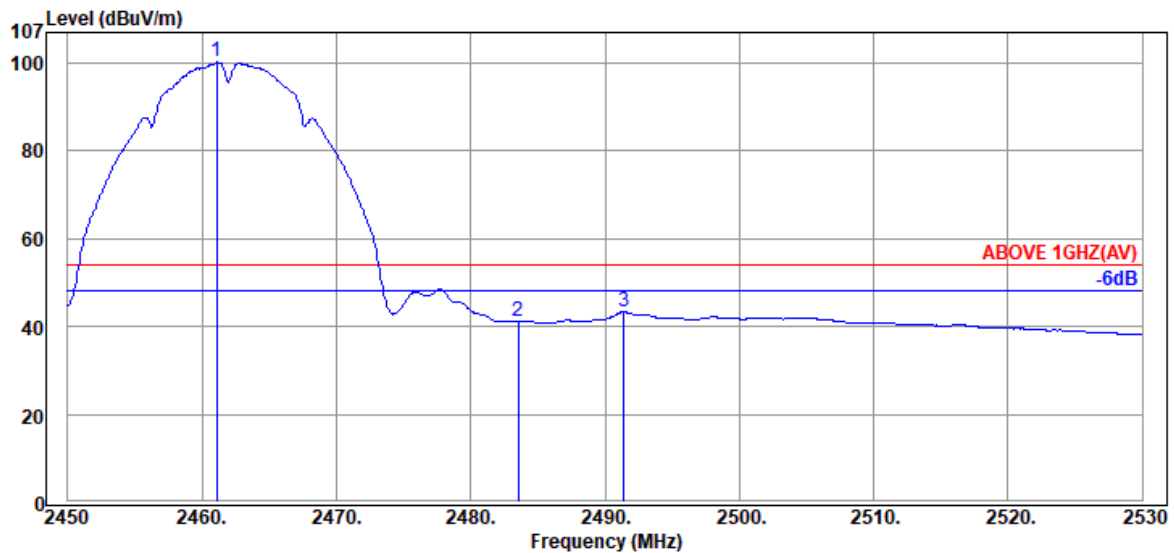
備註：“@”為主波，在此章節是不予以判定。

Mode	802.11b	Frequency	TX 2467MHz
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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
@	2460.80	32.66	8.20	63.02	103.88	---	---	Peak
	2483.52	32.57	8.20	11.47	52.24	74.00	21.76	Peak
	2491.36	32.53	8.21	14.96	55.70	74.00	18.30	Peak

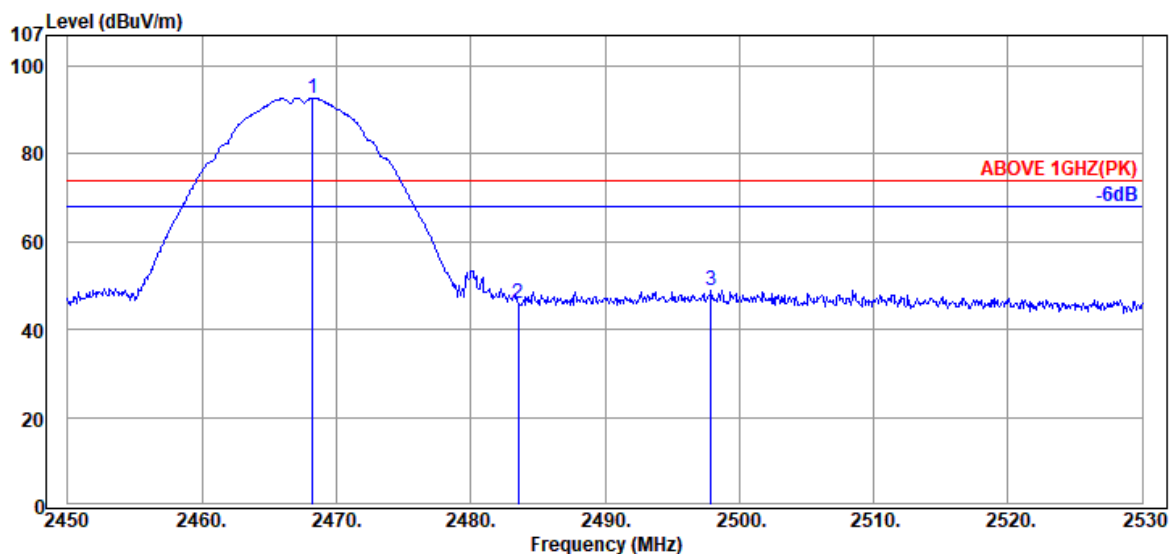


Antenna at Horizontal Polarization

	Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@	2461.12	32.66	8.20	59.35	100.21	---	---	Average
	2483.52	32.57	8.20	0.34	41.11	54.00	12.89	Average
	2491.44	32.53	8.21	2.60	43.34	54.00	10.66	Average

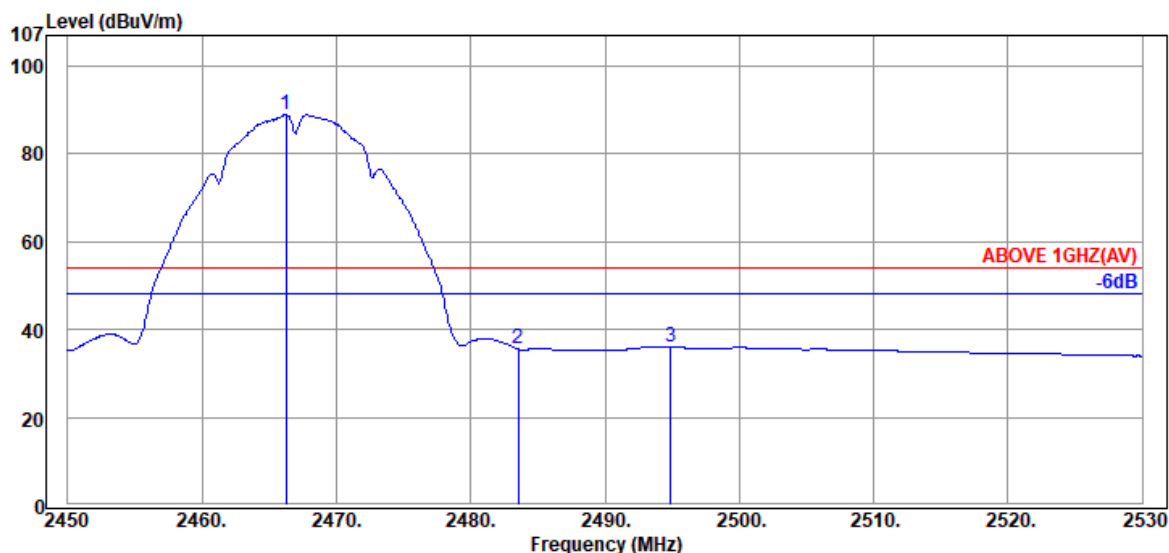
備註：“@”為主波，在此章節是不予以判定。

Mode	802.11b	Frequency	TX 2467MHz
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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
@	2468.24	32.63	8.20	51.89	92.72	---	---	Peak
	2483.52	32.57	8.20	5.17	45.94	74.00	28.06	Peak
	2497.92	32.51	8.21	8.22	48.94	74.00	25.06	Peak

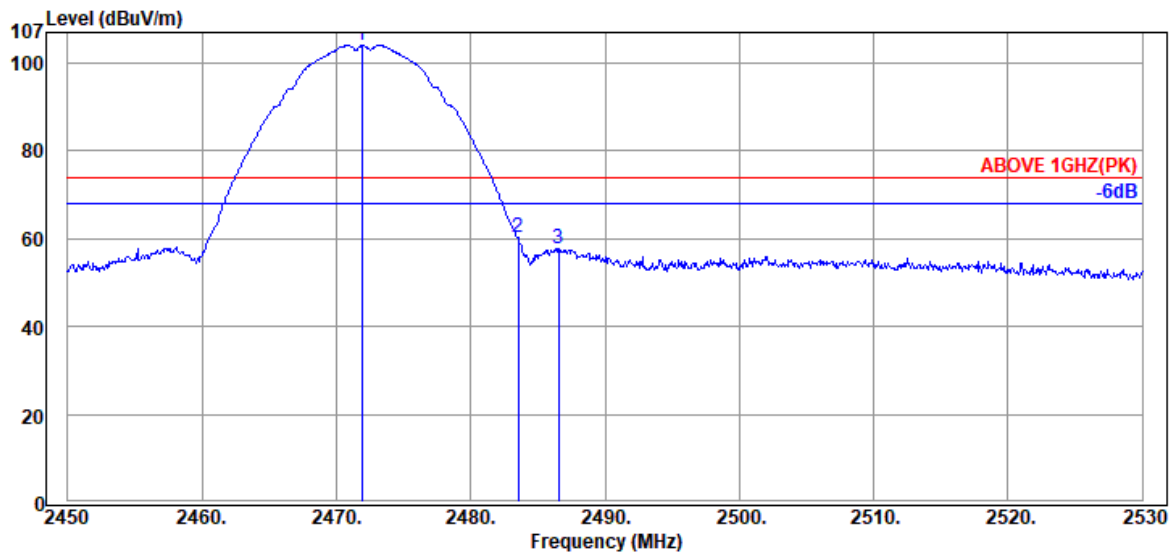


Antenna at Vertical Polarization

	Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@	2466.24	32.64	8.20	48.20	89.04	---	---	Average
	2483.52	32.57	8.20	-5.23	35.54	54.00	18.46	Average
	2494.88	32.52	8.21	-4.62	36.11	54.00	17.89	Average

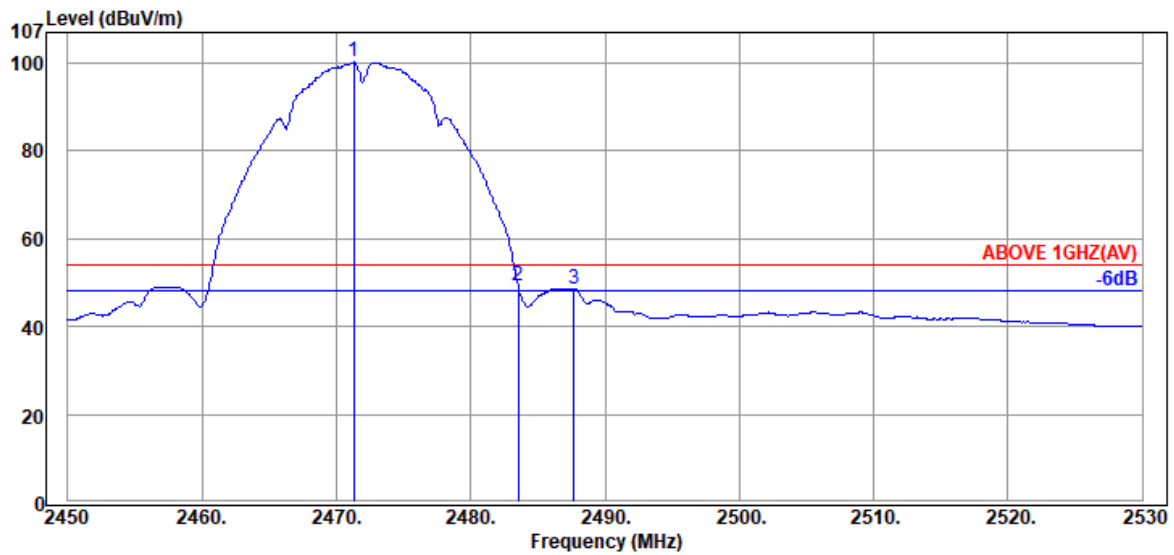
備註：“@”為主波，在此章節是不予以判定。

Mode	802.11b	Frequency	TX 2472MHz
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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
@	2471.92	32.61	8.20	63.22	104.03	---	---	Peak
	2483.52	32.57	8.20	19.59	60.36	74.00	13.64	Peak
	2486.56	32.55	8.21	17.14	57.90	74.00	16.10	Peak

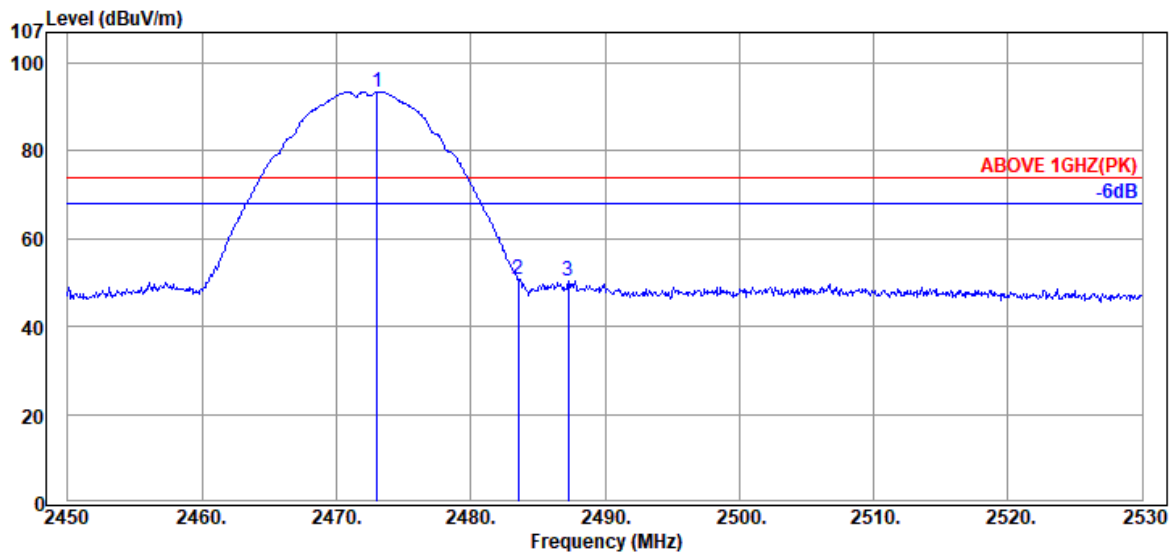


Antenna at Horizontal Polarization

	Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@	2471.28	32.61	8.20	59.39	100.20	---	---	Average
	2483.52	32.57	8.20	8.50	49.27	54.00	4.73	Average
	2487.68	32.55	8.21	7.92	48.68	54.00	5.32	Average

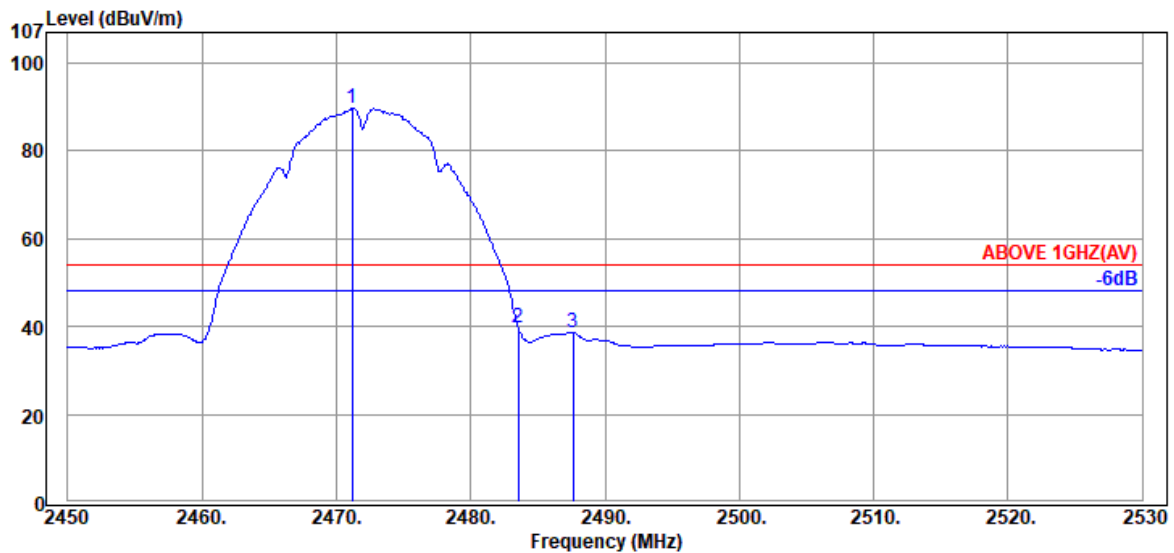
備註：“@”為主波，在此章節是不予以判定。

Mode	802.11b	Frequency	TX 2472MHz
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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
@	2473.04	32.61	8.20	52.72	93.53	---	---	Peak
	2483.52	32.57	8.20	9.88	50.65	74.00	23.35	Peak
	2487.28	32.55	8.21	9.70	50.46	74.00	23.54	Peak

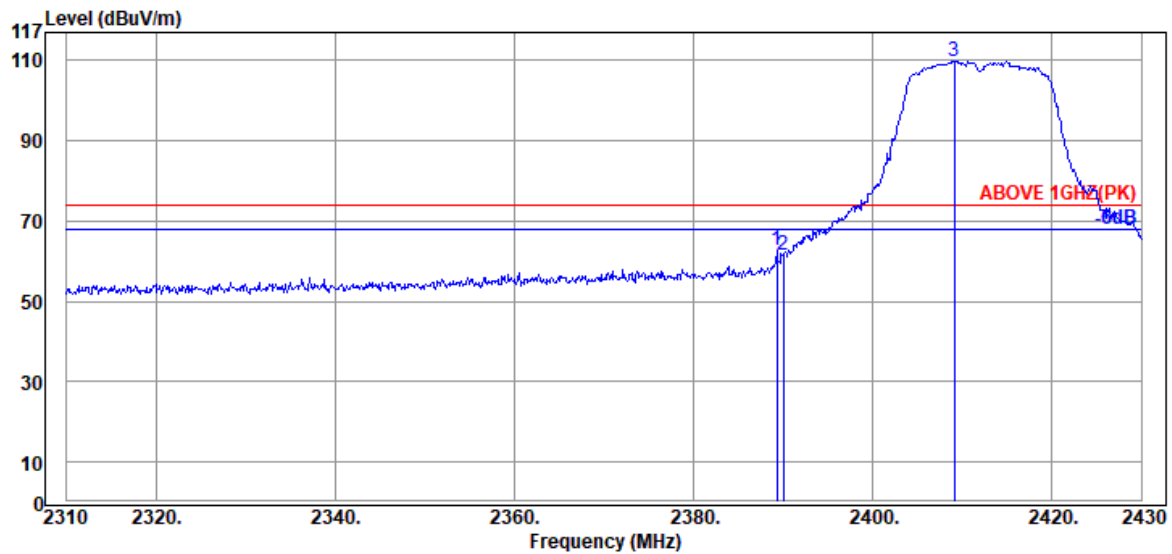


Antenna at Vertical Polarization

	Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@	2471.20	32.62	8.20	48.89	89.71	---	---	Average
	2483.52	32.57	8.20	-0.93	39.84	54.00	14.16	Average
	2487.60	32.55	8.21	-2.17	38.59	54.00	15.41	Average

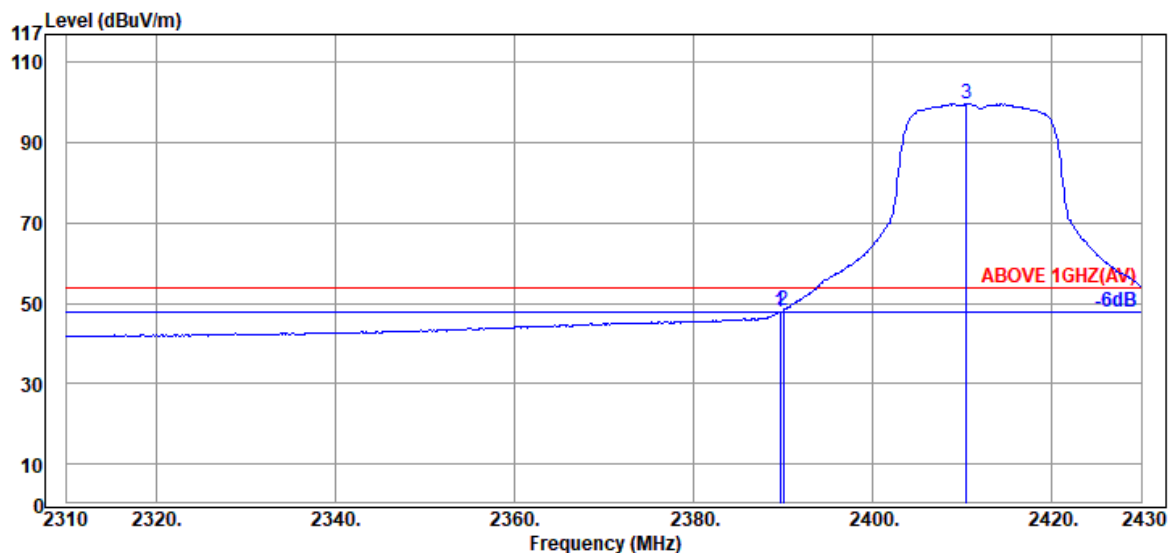
備註：“@”為主波，在此章節是不予以判定。

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
2389.32	32.00	8.17	22.44	62.61	74.00	11.39	Peak
2390.04	32.00	8.17	21.30	61.47	74.00	12.53	Peak
@ 2409.12	32.13	8.18	69.43	109.74	---	---	Peak

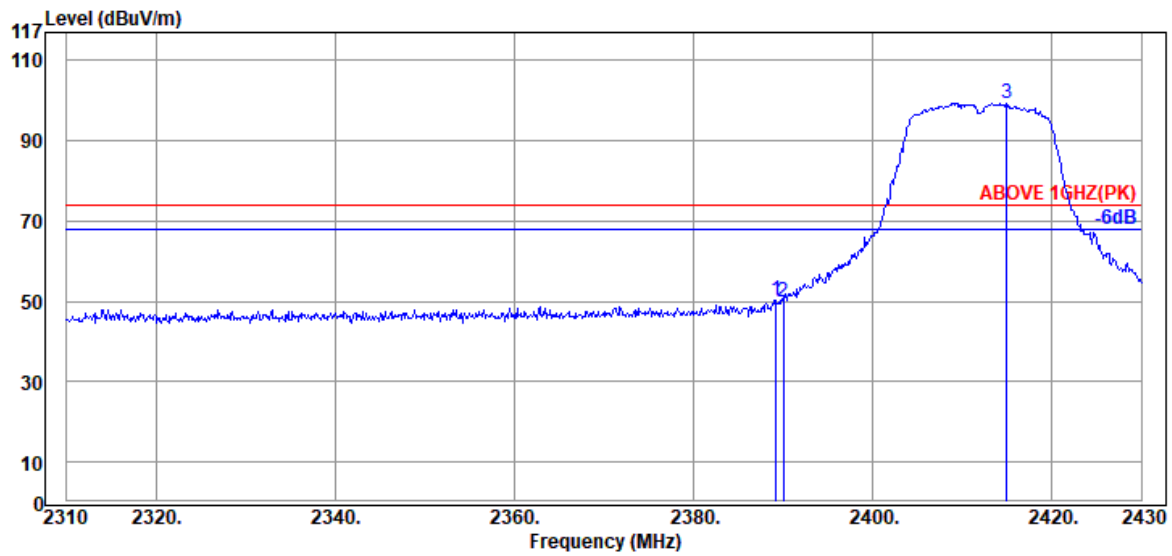


Antenna at Horizontal Polarization

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	7.58	47.75	54.00	6.25	Average
2390.04	32.00	8.17	8.01	48.18	54.00	5.82	Average
@ 2410.44	32.15	8.18	59.32	99.65	---	---	Average

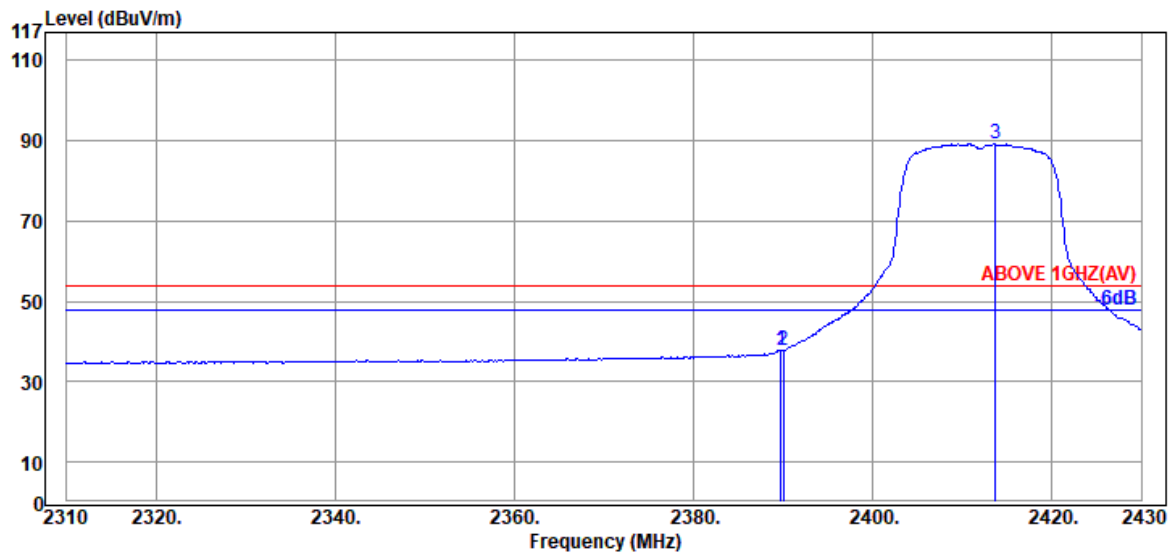
備註：“@”為主波，在此章節是不予以判定。

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
2389.20	32.00	8.17	9.96	50.13	74.00	23.87	Peak
2390.04	32.00	8.17	9.68	49.85	74.00	24.15	Peak
@ 2415.00	32.21	8.18	58.88	99.27	---	---	Peak

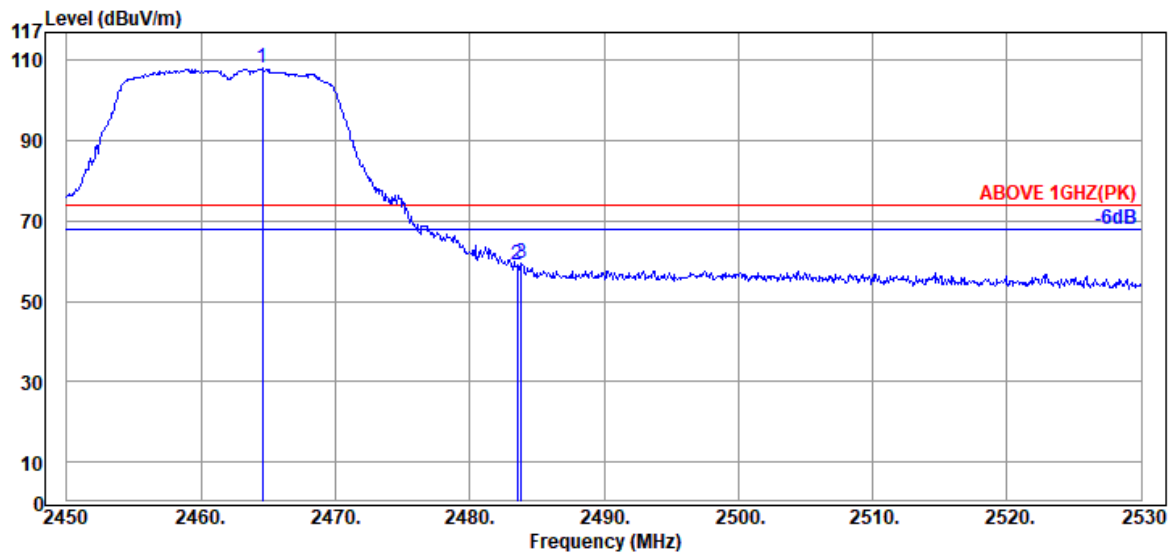


Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
2389.80	32.00	8.17	-2.45	37.72	54.00	16.28	Average
2390.04	32.00	8.17	-2.48	37.69	54.00	16.31	Average
@ 2413.68	32.19	8.18	48.79	89.16	---	---	Average

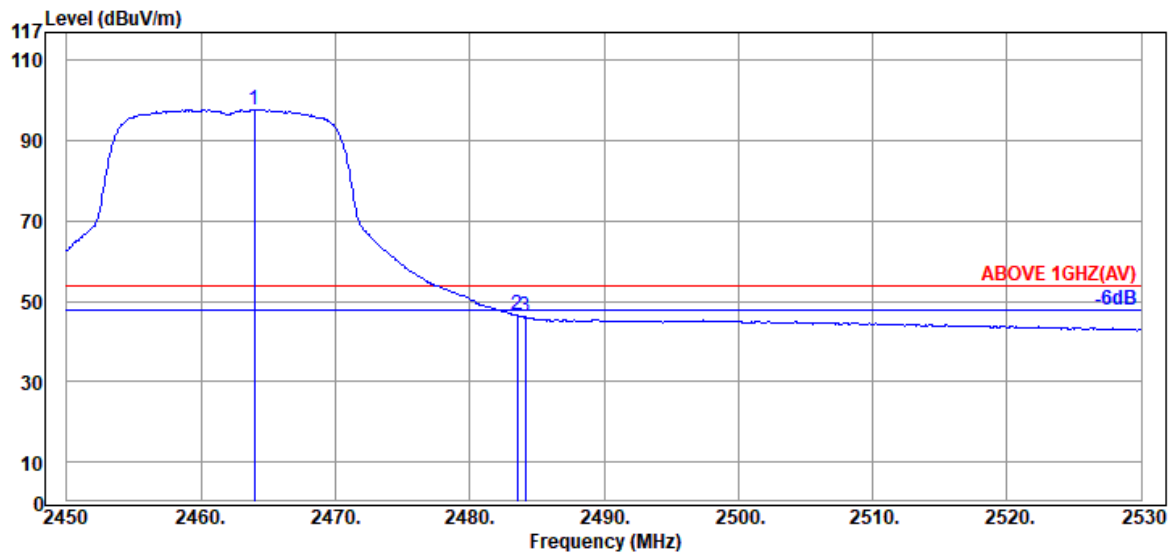
備註：“@”為主波，在此章節是不予以判定。

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
@	2464.56	32.64	8.20	67.19	108.03	---	---	Peak
	2483.52	32.57	8.20	18.44	59.21	74.00	14.79	Peak
	2483.84	32.56	8.20	18.77	59.53	74.00	14.47	Peak

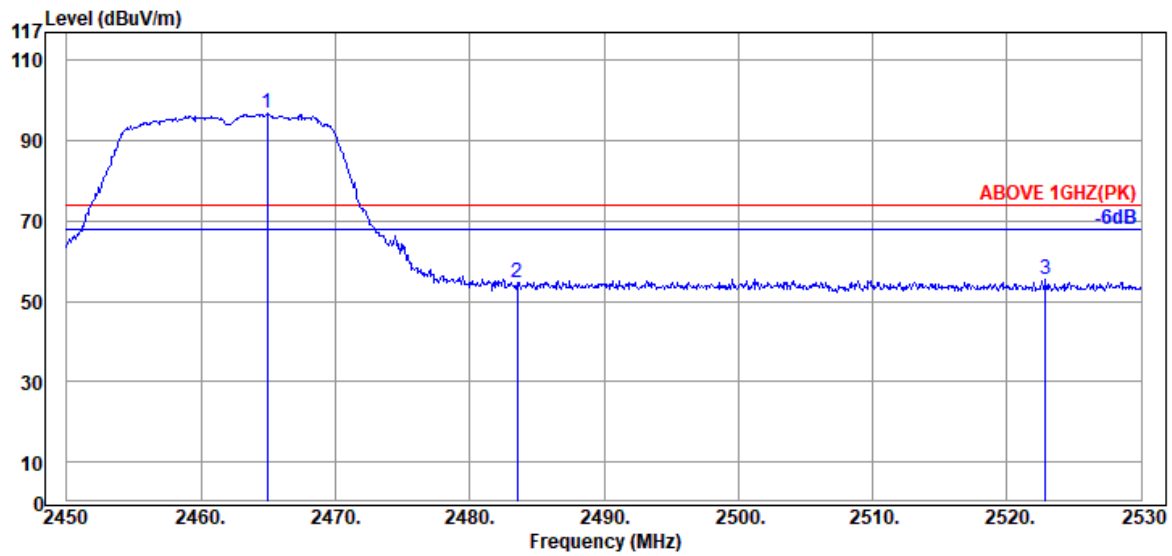


Antenna at Horizontal Polarization

	Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@	2464.00	32.64	8.20	56.92	97.76	---	---	Average
	2483.52	32.57	8.20	5.70	46.47	54.00	7.53	Average
	2484.16	32.56	8.20	5.44	46.20	54.00	7.80	Average

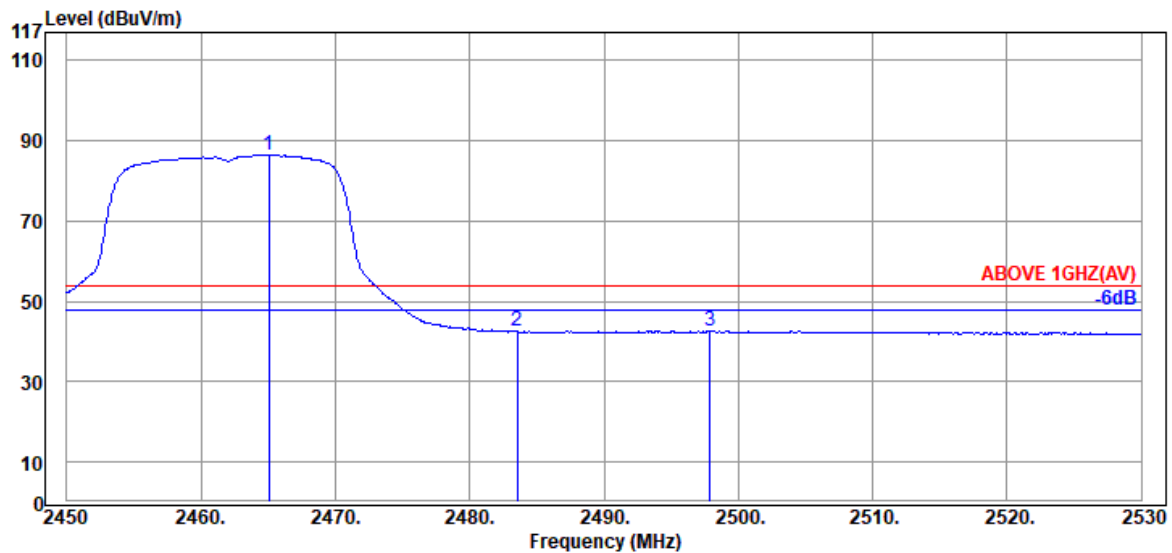
備註：“@”為主波，在此章節是不予以判定。

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
@	2464.96	32.64	8.20	55.86	96.70	---	---	Peak
	2483.52	32.57	8.20	14.04	54.81	74.00	19.19	Peak
	2522.88	32.23	8.23	15.14	55.60	74.00	18.40	Peak

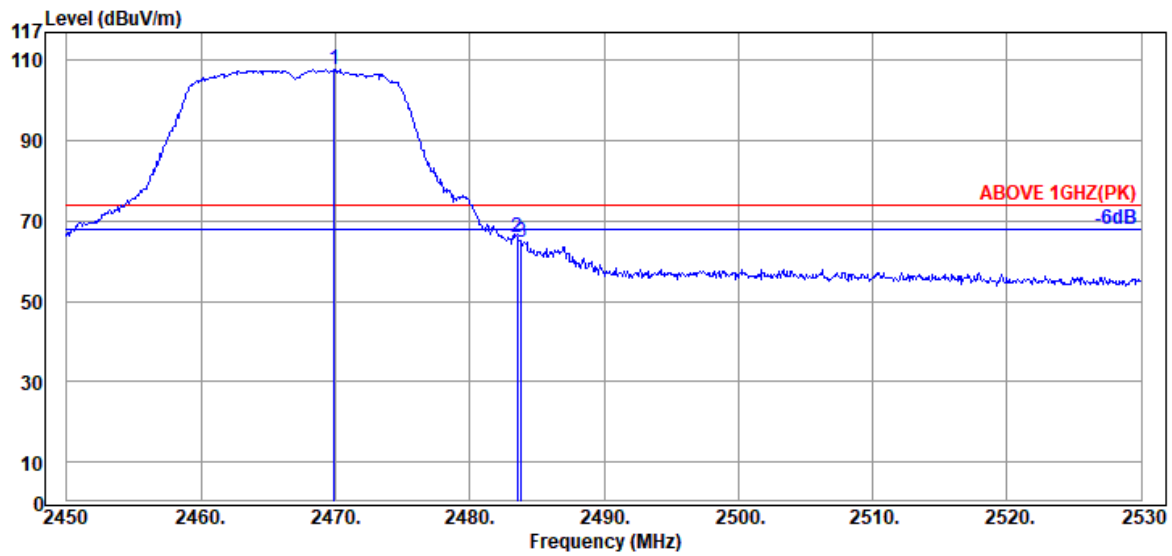


Antenna at Vertical Polarization

	Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@	2465.04	32.64	8.20	45.80	86.64	---	---	Average
	2483.52	32.57	8.20	1.68	42.45	54.00	11.55	Average
	2497.92	32.51	8.21	2.02	42.74	54.00	11.26	Average

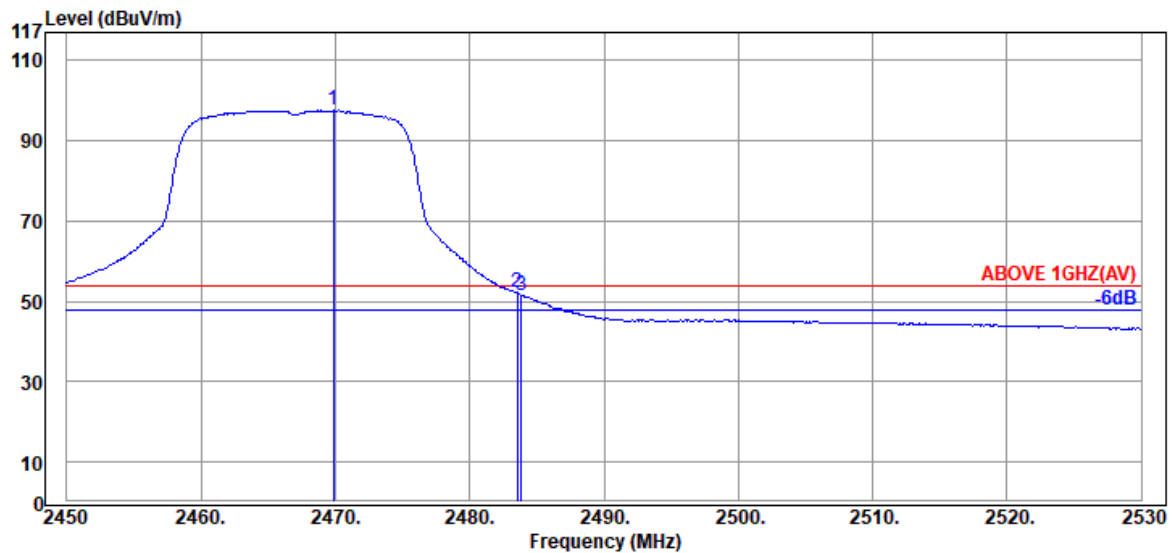
備註：“@”為主波，在此章節是不予以判定。

Mode	802.11g	Frequency	TX 2467MHz
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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
@	2469.92	32.62	8.20	66.88	107.70	---	---	Peak
	2483.52	32.57	8.20	25.26	66.03	74.00	7.97	Peak
	2483.84	32.56	8.20	24.08	64.84	74.00	9.16	Peak

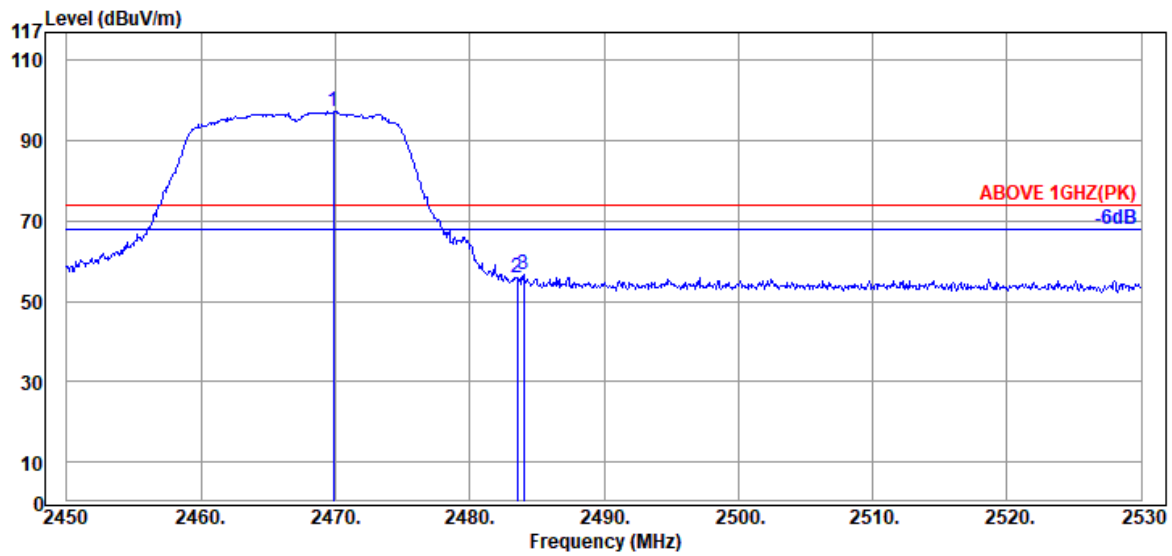


Antenna at Horizontal Polarization

	Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@	2469.84	32.62	8.20	56.74	97.56	---	---	Average
	2483.52	32.57	8.20	11.33	52.10	54.00	1.90	Average
	2483.84	32.56	8.20	10.81	51.57	54.00	2.43	Average

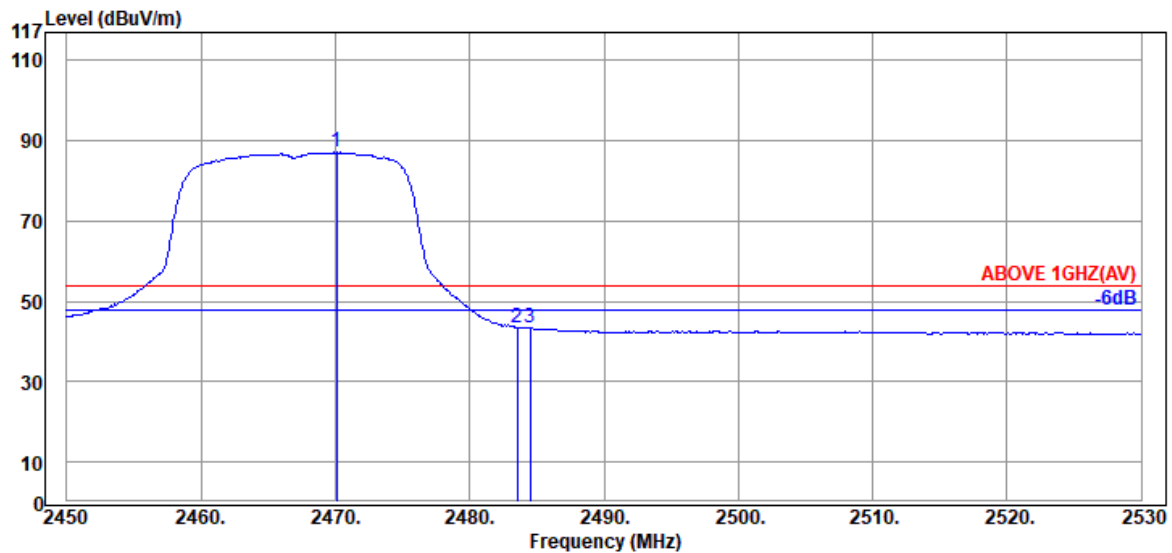
備註：“@”為主波，在此章節是不予以判定。

Mode	802.11g	Frequency	TX 2467MHz
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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
@	2469.84	32.62	8.20	56.49	97.31	---	---	Peak
	2483.52	32.57	8.20	15.12	55.89	74.00	18.11	Peak
	2484.00	32.56	8.20	15.88	56.64	74.00	17.36	Peak

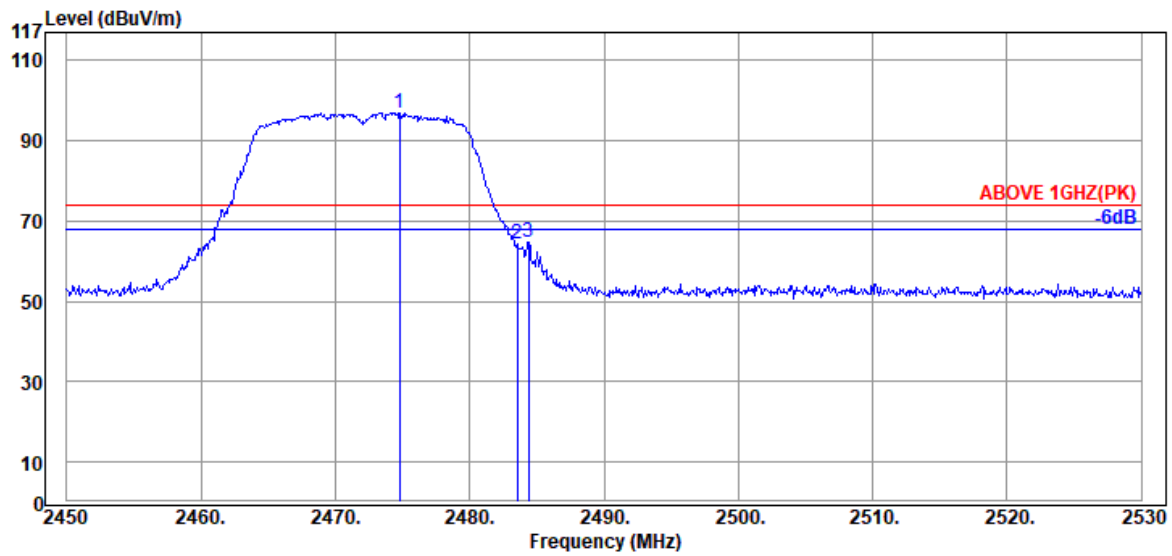


Antenna at Vertical Polarization

	Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@	2470.08	32.62	8.20	46.31	87.13	---	---	Average
	2483.52	32.57	8.20	2.77	43.54	54.00	10.46	Average
	2484.48	32.56	8.20	2.75	43.51	54.00	10.49	Average

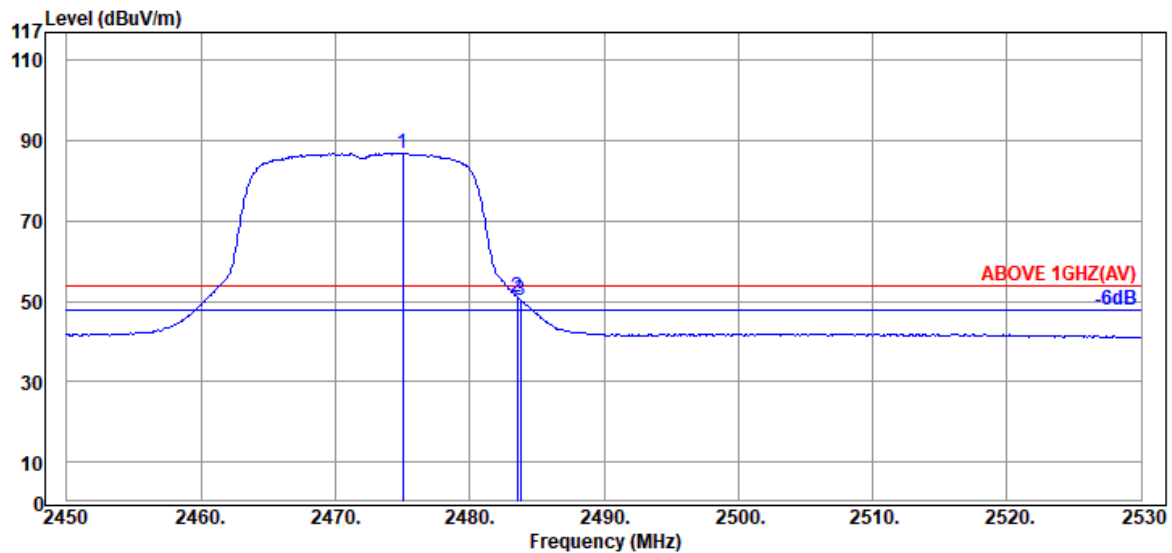
備註：“@”為主波，在此章節是不予以判定。

Mode	802.11g	Frequency	TX 2472MHz
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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
@	2474.80	32.60	8.20	56.20	97.00	---	---	Peak
	2483.52	32.57	8.20	23.39	64.16	74.00	9.84	Peak
	2484.40	32.56	8.20	24.03	64.79	74.00	9.21	Peak

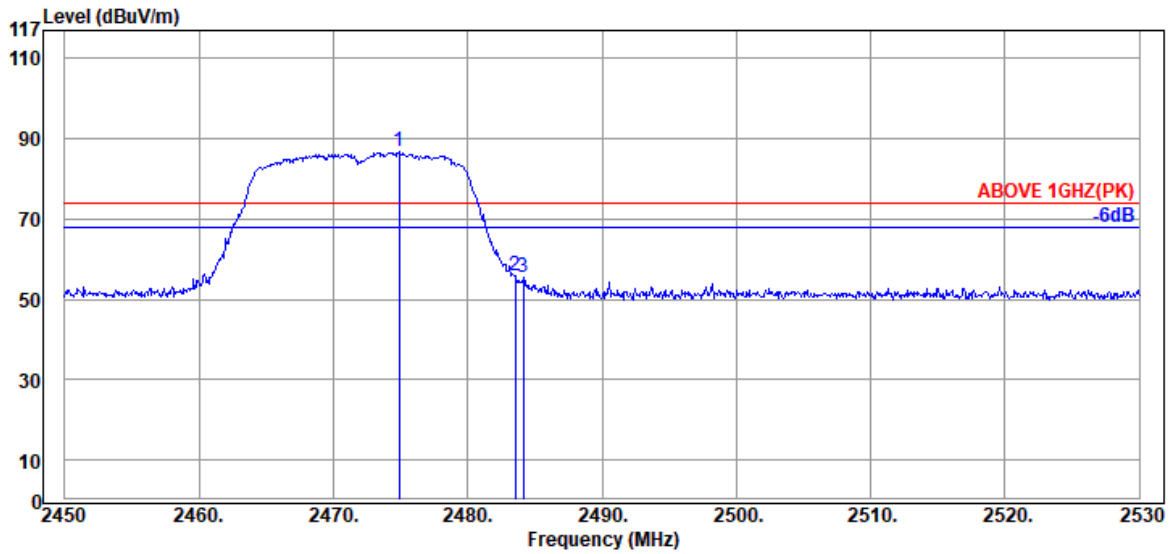


Antenna at Horizontal Polarization

	Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@	2475.04	32.60	8.20	46.17	86.97	---	---	Average
	2483.52	32.57	8.20	10.28	51.05	54.00	2.95	Average
	2483.76	32.56	8.20	9.61	50.37	54.00	3.63	Average

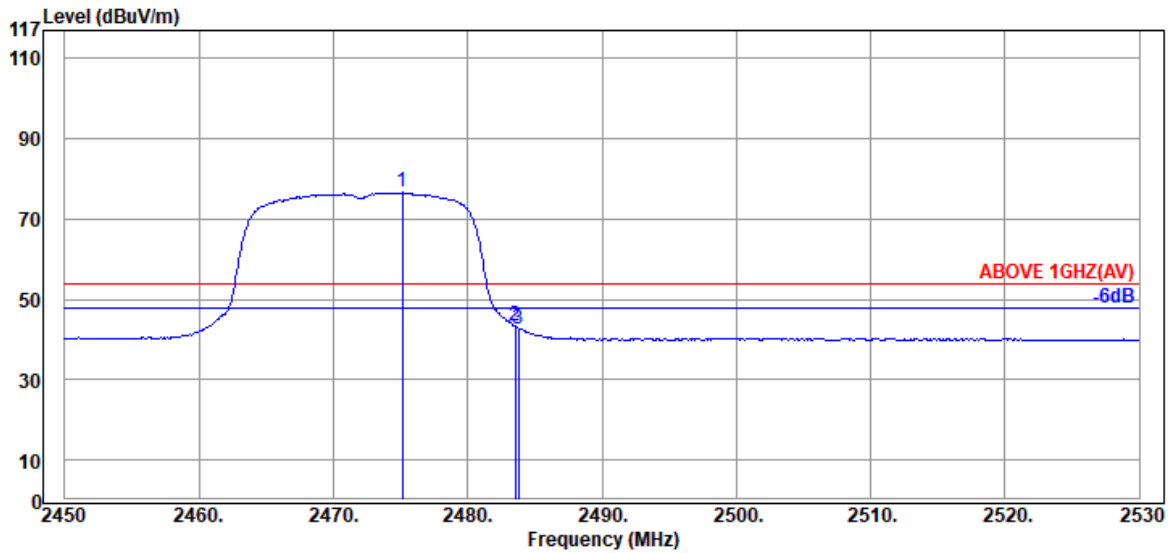
備註：“@”為主波，在此章節是不予以判定。

Mode	802.11g	Frequency	TX 2472MHz
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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
@	2474.88	32.60	8.20	45.97	86.77	---	---	Peak
	2483.52	32.57	8.20	15.00	55.77	74.00	18.23	Peak
	2484.16	32.56	8.20	14.85	55.61	74.00	18.39	Peak

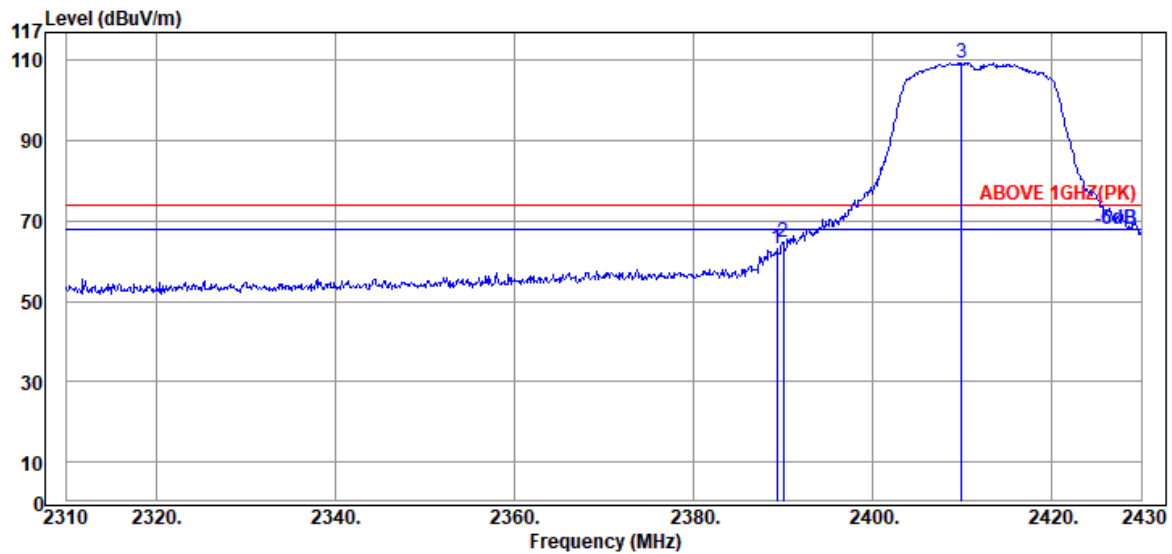


Antenna at Vertical Polarization

	Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@	2475.12	32.60	8.20	35.83	76.63	---	---	Average
	2483.52	32.57	8.20	2.49	43.26	54.00	10.74	Average
	2483.76	32.56	8.20	2.04	42.80	54.00	11.20	Average

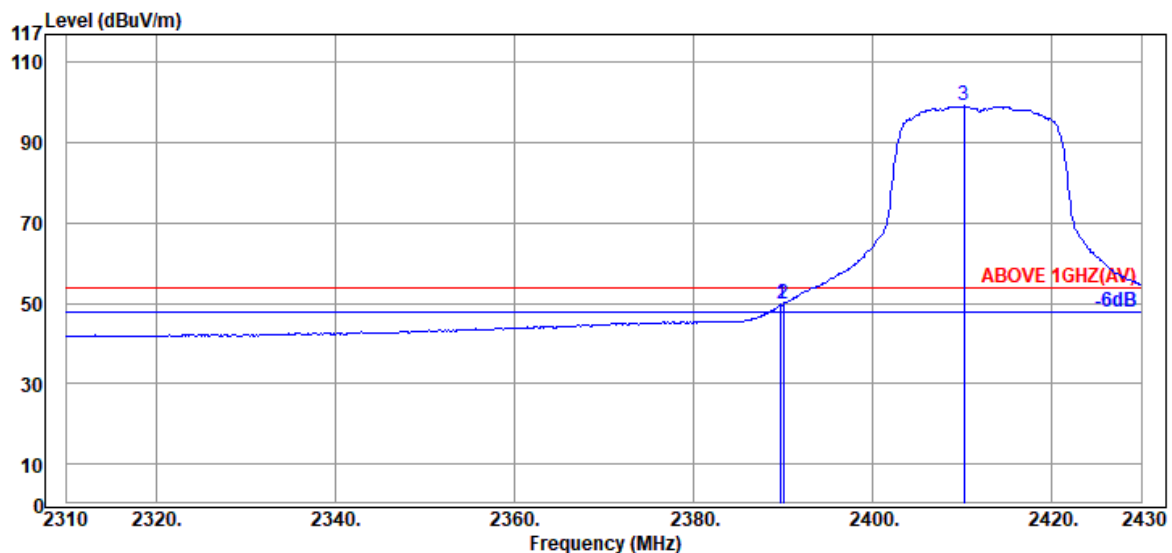
備註：“@”為主波，在此章節是不予以判定。

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
2389.32	32.00	8.17	23.15	63.32	74.00	10.68	Peak
2390.04	32.00	8.17	24.54	64.71	74.00	9.29	Peak
@ 2409.96	32.14	8.18	69.01	109.33	---	---	Peak

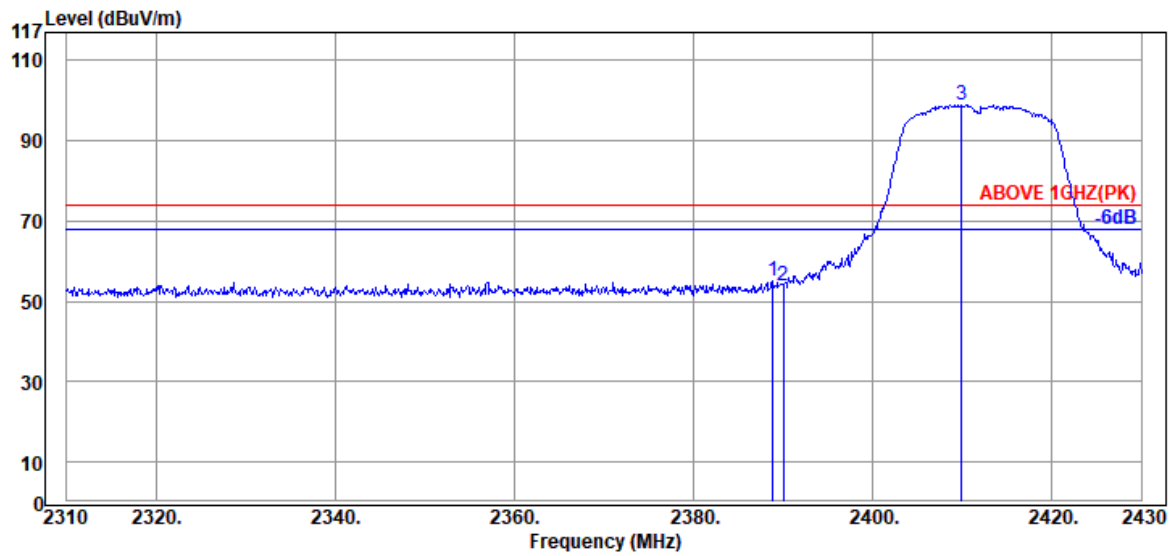


Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
2389.80	32.00	8.17	9.71	49.88	54.00	4.12	Average
2390.04	32.00	8.17	9.68	49.85	54.00	4.15	Average
@ 2410.20	32.14	8.18	58.81	99.13	---	---	Average

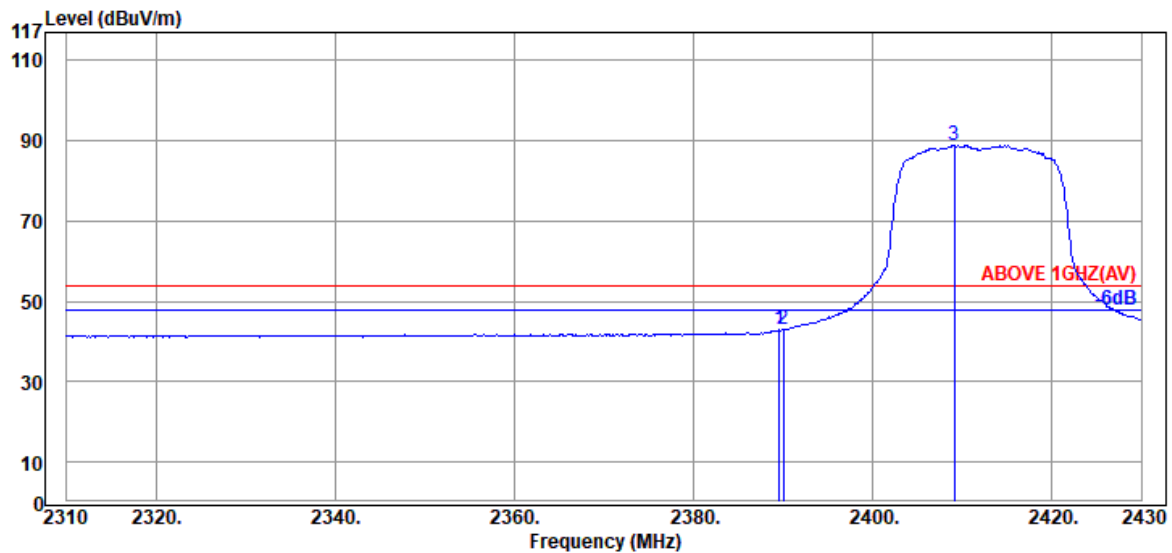
備註：“@”為主波，在此章節是不予以判定。

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
2388.84	32.00	8.17	14.83	55.00	74.00	19.00	Peak
2390.04	32.00	8.17	13.78	53.95	74.00	20.05	Peak
@ 2409.96	32.14	8.18	58.61	98.93	---	---	Peak

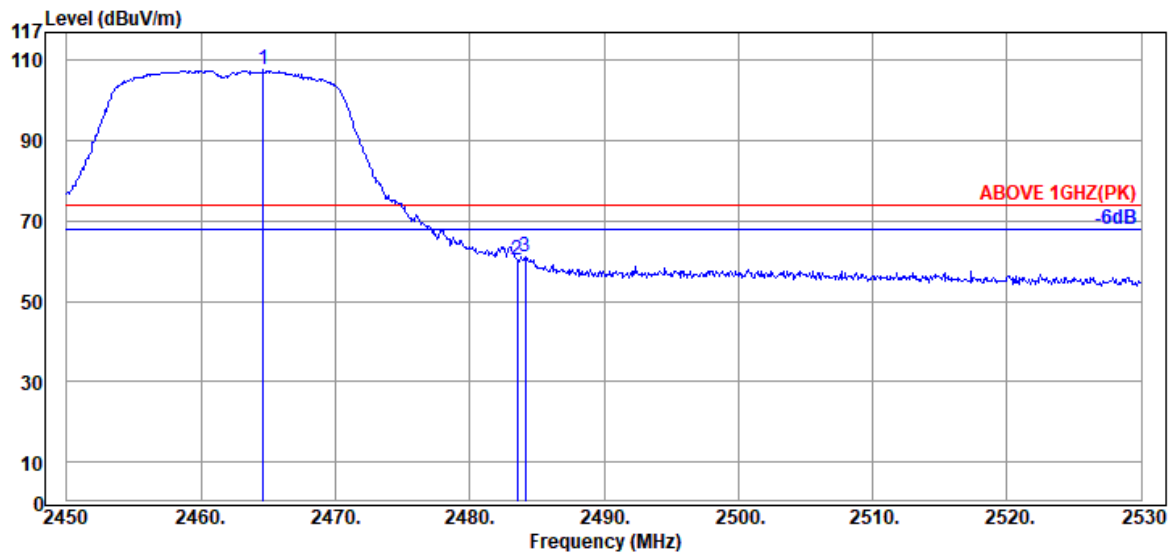


Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
2389.56	32.00	8.17	2.73	42.90	54.00	11.10	Average
2390.04	32.00	8.17	2.94	43.11	54.00	10.89	Average
@ 2409.12	32.13	8.18	48.65	88.96	---	---	Average

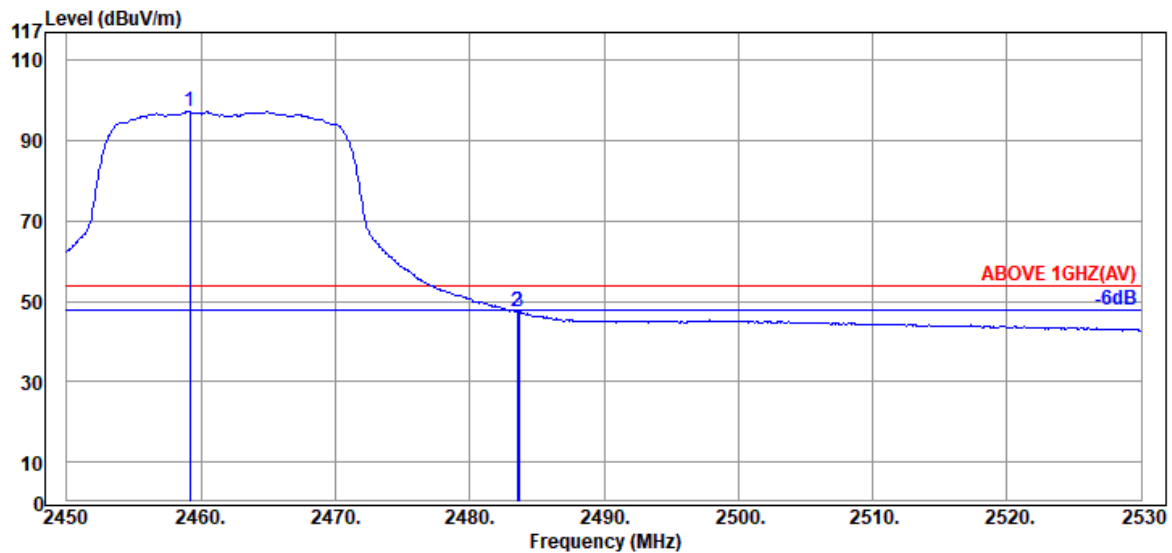
備註：“@”為主波，在此章節是不予以判定。

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
@	2464.64	32.64	8.20	66.84	107.68	---	---	Peak
	2483.52	32.57	8.20	19.59	60.36	74.00	13.64	Peak
	2484.16	32.56	8.20	20.30	61.06	74.00	12.94	Peak

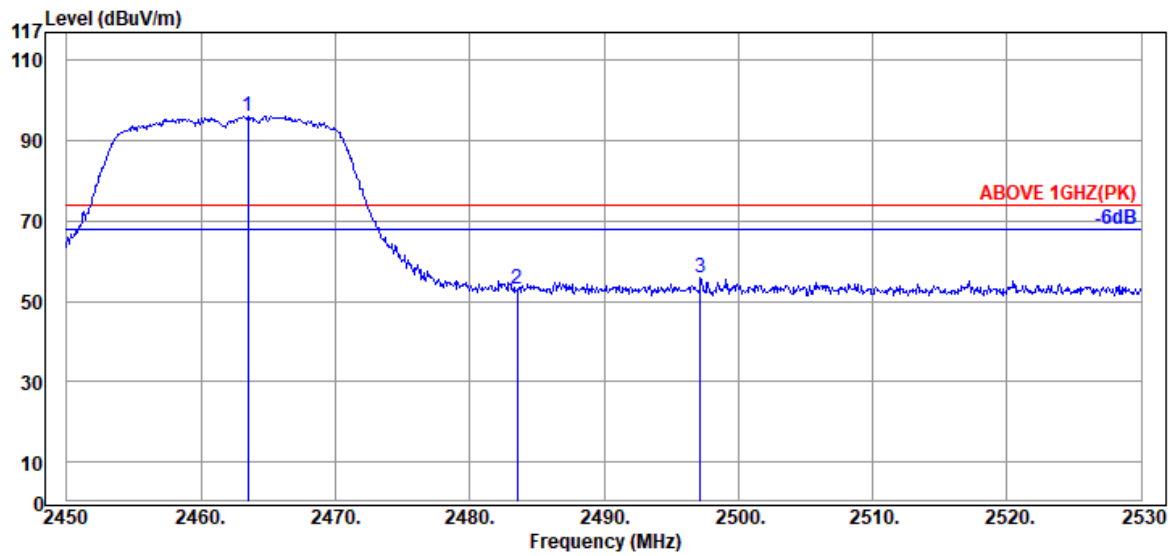


Antenna at Horizontal Polarization

	Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@	2459.20	32.66	8.20	56.42	97.28	---	---	Average
	2483.52	32.57	8.20	6.55	47.32	54.00	6.68	Average
	2483.68	32.57	8.20	6.60	47.37	54.00	6.63	Average

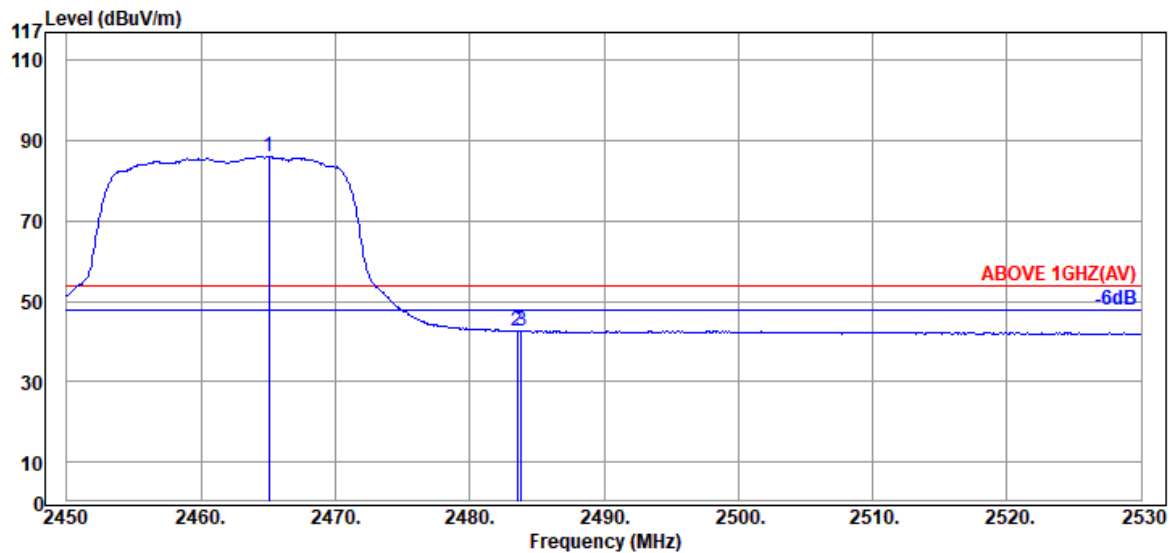
備註：“@”為主波，在此章節是不予以判定。

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
@	2463.52	32.65	8.20	55.26	96.11	---	---	Peak
	2483.52	32.57	8.20	12.11	52.88	74.00	21.12	Peak
	2497.20	32.51	8.21	15.02	55.74	74.00	18.26	Peak

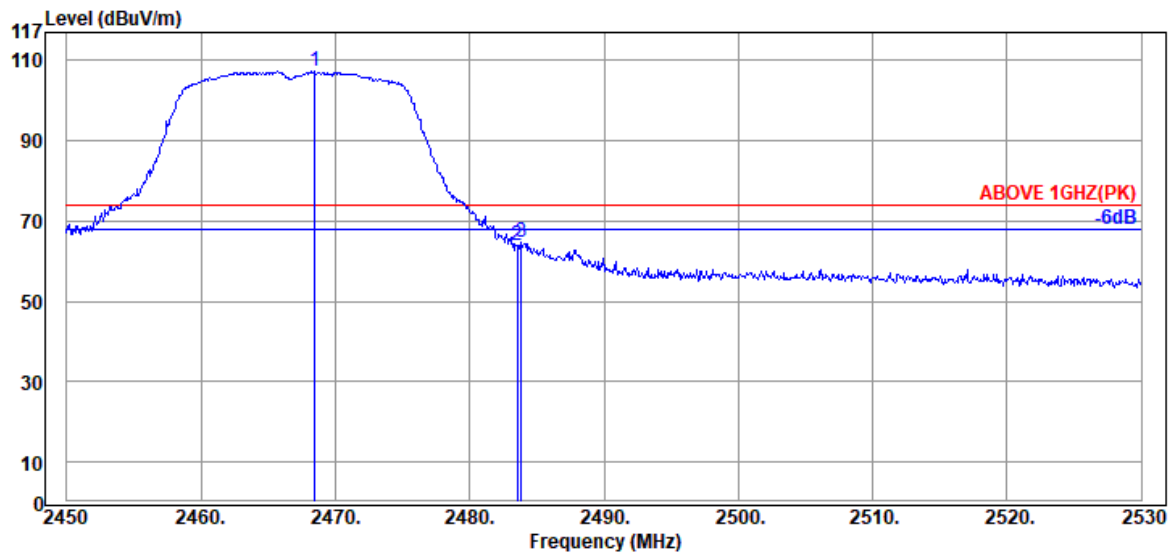


Antenna at Vertical Polarization

	Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@	2465.04	32.64	8.20	45.25	86.09	---	---	Average
	2483.52	32.57	8.20	1.78	42.55	54.00	11.45	Average
	2483.84	32.56	8.20	1.97	42.73	54.00	11.27	Average

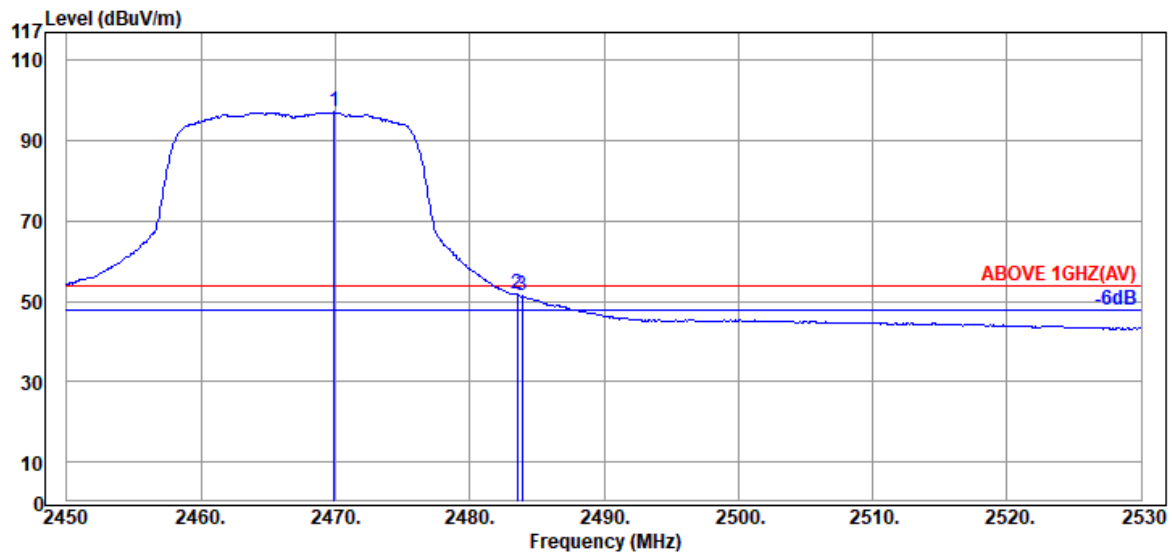
備註：“@”為主波，在此章節是不予以判定。

Mode	802.11n-HT20	Frequency	TX 2467MHz
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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
@	2468.48	32.63	8.20	66.42	107.25	---	---	Peak
	2483.52	32.57	8.20	23.24	64.01	74.00	9.99	Peak
	2483.84	32.56	8.20	23.90	64.66	74.00	9.34	Peak

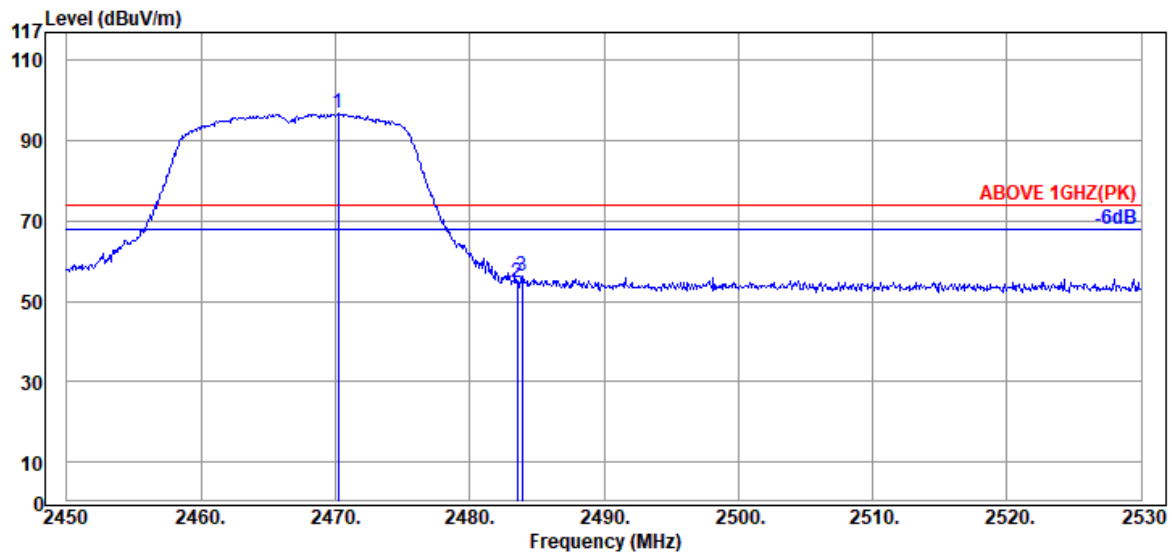


Antenna at Horizontal Polarization

	Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@	2469.92	32.62	8.20	56.36	97.18	---	---	Average
	2483.52	32.57	8.20	10.93	51.70	54.00	2.30	Average
	2483.92	32.56	8.20	10.51	51.27	54.00	2.73	Average

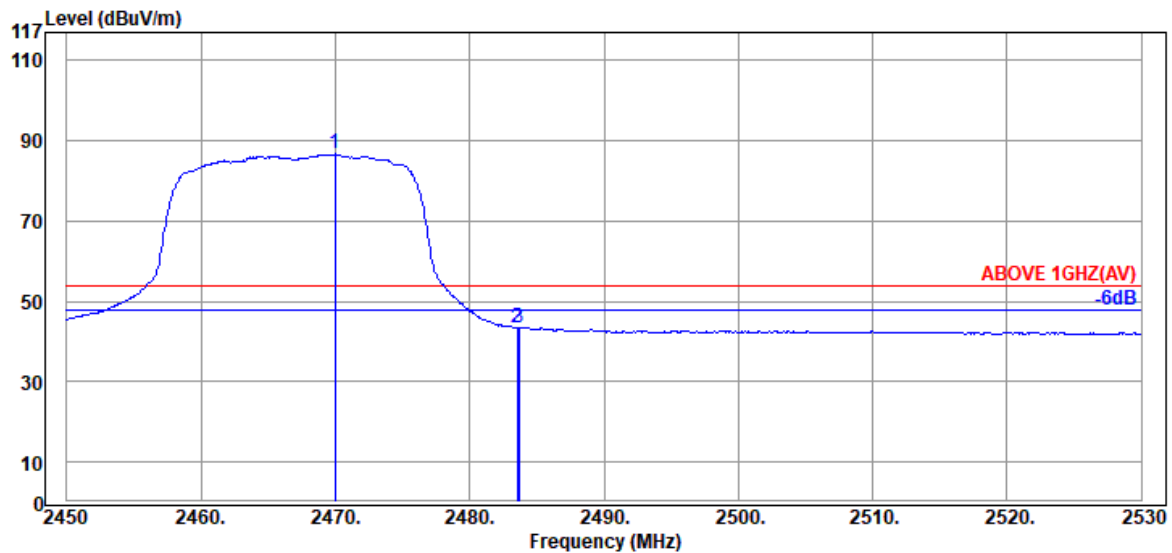
備註：“@”為主波，在此章節是不予以判定。

Mode	802.11n-HT20	Frequency	TX 2467MHz
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Antenna at Vertical Polarization

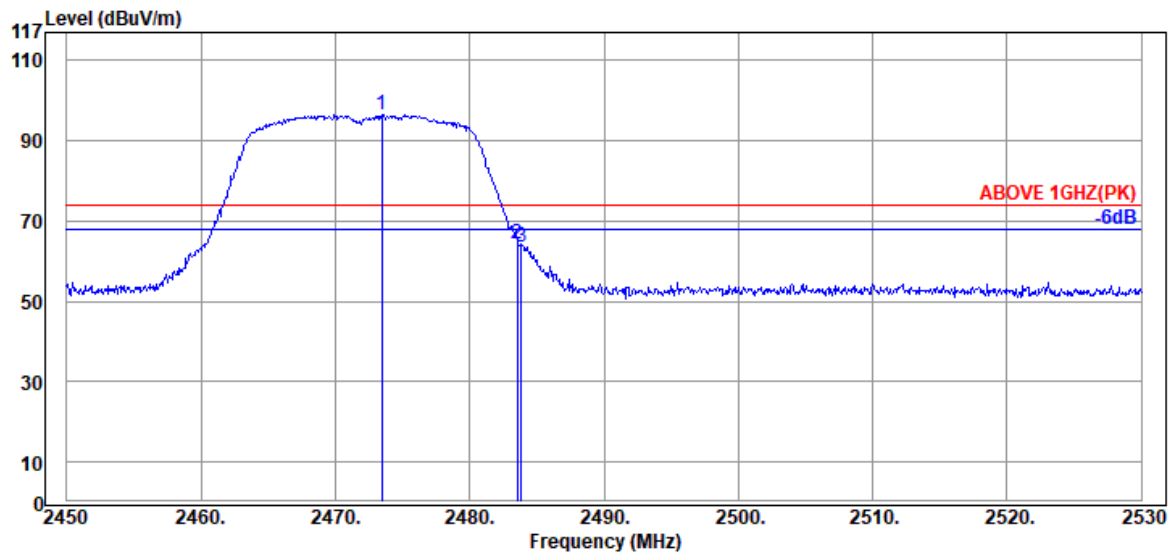
	Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@	2470.24	32.62	8.20	55.89	96.71	---	---	Peak
	2483.52	32.57	8.20	13.97	54.74	74.00	19.26	Peak
	2483.92	32.56	8.20	15.36	56.12	74.00	17.88	Peak



Antenna at Vertical Polarization

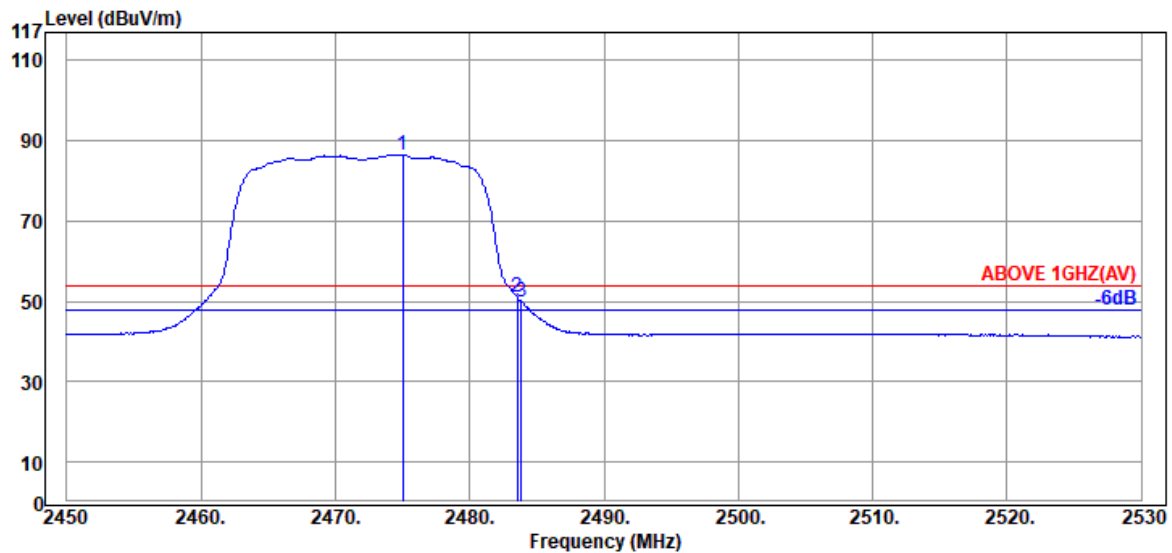
	Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@	2470.00	32.62	8.20	45.82	86.64	---	---	Average
	2483.52	32.57	8.20	2.84	43.61	54.00	10.39	Average
	2483.68	32.57	8.20	2.82	43.59	54.00	10.41	Average

Mode	802.11n-HT20	Frequency	TX 2472MHz
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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
@	2473.44	32.61	8.20	55.67	96.48	---	---	Peak
	2483.52	32.57	8.20	23.64	64.41	74.00	9.59	Peak
	2483.84	32.56	8.20	22.86	63.62	74.00	10.38	Peak

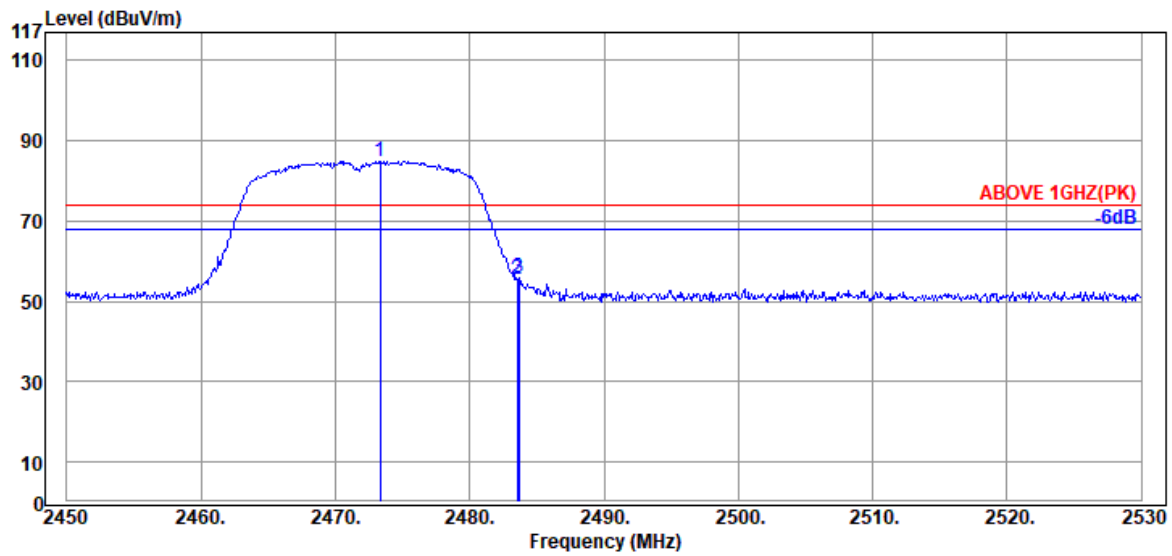


Antenna at Horizontal Polarization

	Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@	2475.04	32.60	8.20	45.66	86.46	---	---	Average
	2483.52	32.57	8.20	10.30	51.07	54.00	2.93	Average
	2483.84	32.56	8.20	9.29	50.05	54.00	3.95	Average

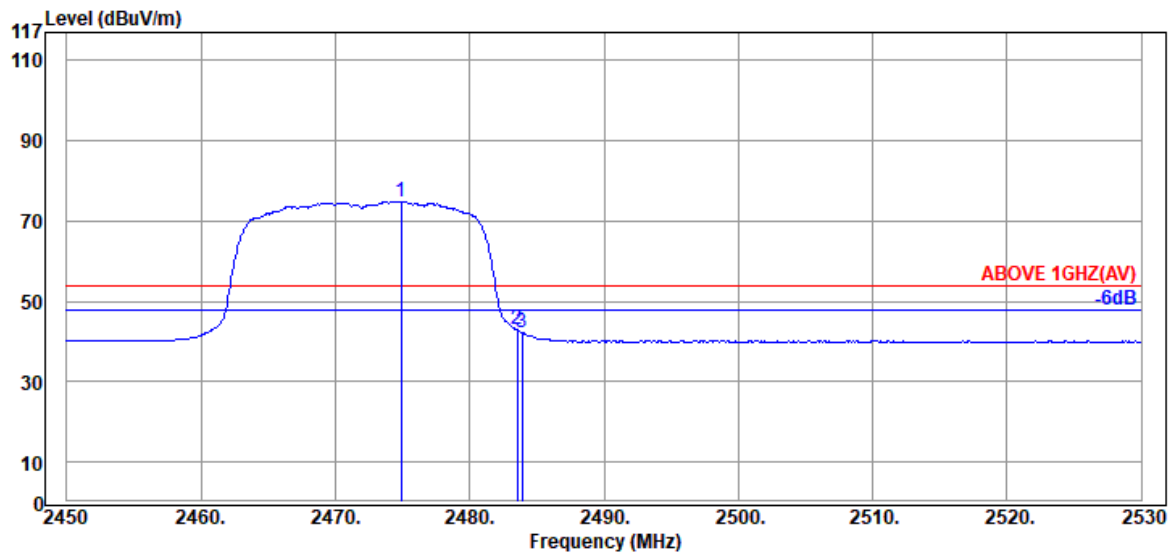
備註：“@”為主波，在此章節是不予以判定。

Mode	802.11n-HT20	Frequency	TX 2472MHz
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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
@	2473.36	32.61	8.20	44.21	85.02	---	---	Peak
	2483.52	32.57	8.20	14.86	55.63	74.00	18.37	Peak
	2483.68	32.57	8.20	15.16	55.93	74.00	18.07	Peak



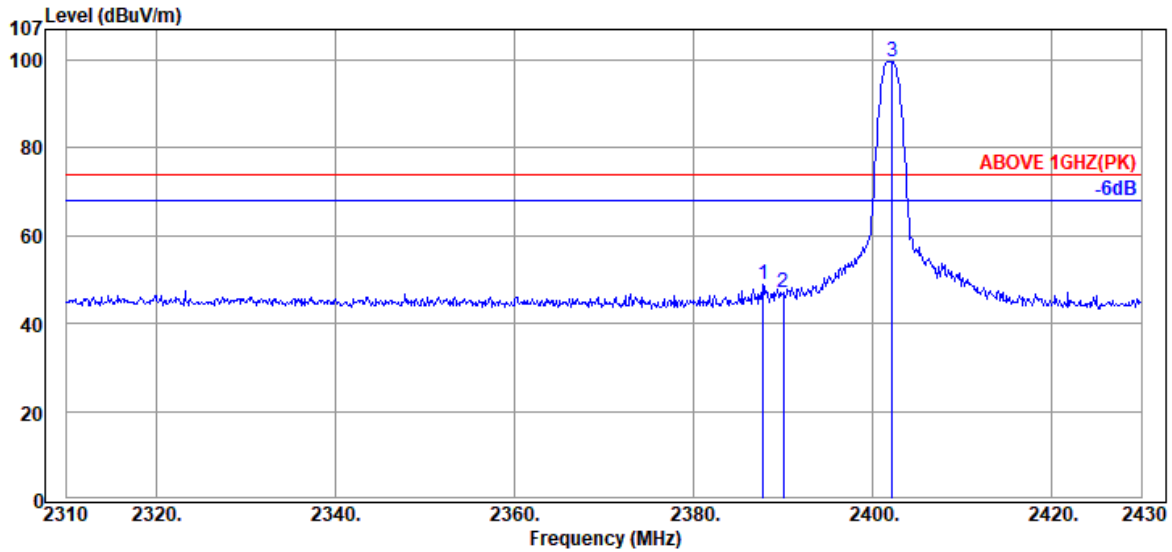
Antenna at Vertical Polarization

	Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@	2474.88	32.60	8.20	34.10	74.90	---	---	Average
	2483.52	32.57	8.20	2.10	42.87	54.00	11.13	Average
	2483.92	32.56	8.20	1.49	42.25	54.00	11.75	Average

備註：“@”為主波，在此章節是不予以判定。

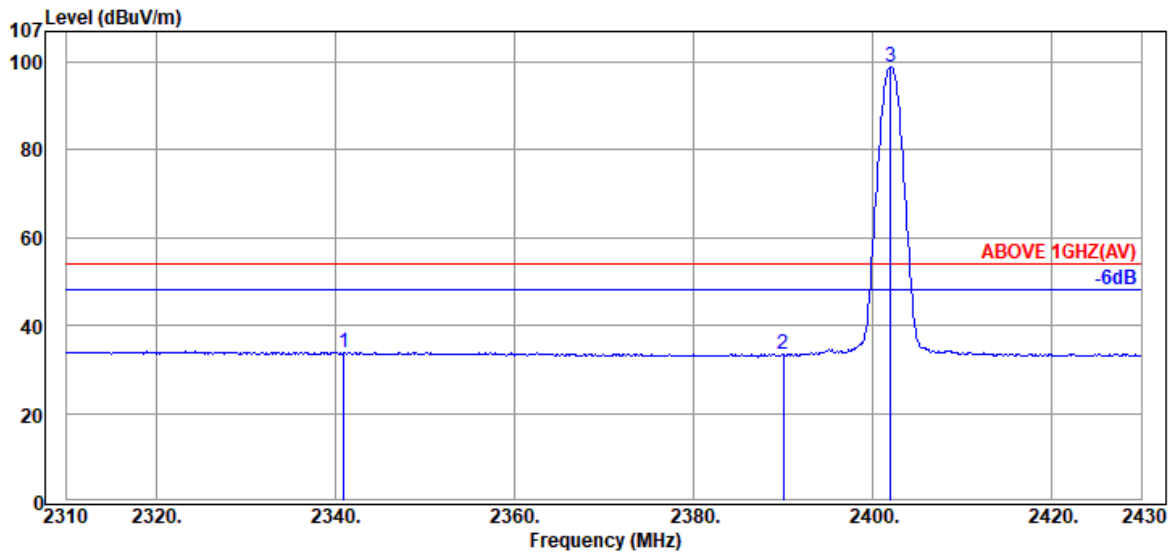
● BLE 測試模式

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
2387.76	32.00	8.17	8.55	48.72	74.00	25.28	Peak
2390.04	32.00	8.17	6.84	47.01	74.00	26.99	Peak
@ 2402.16	32.03	8.18	59.49	99.70	---	---	Peak

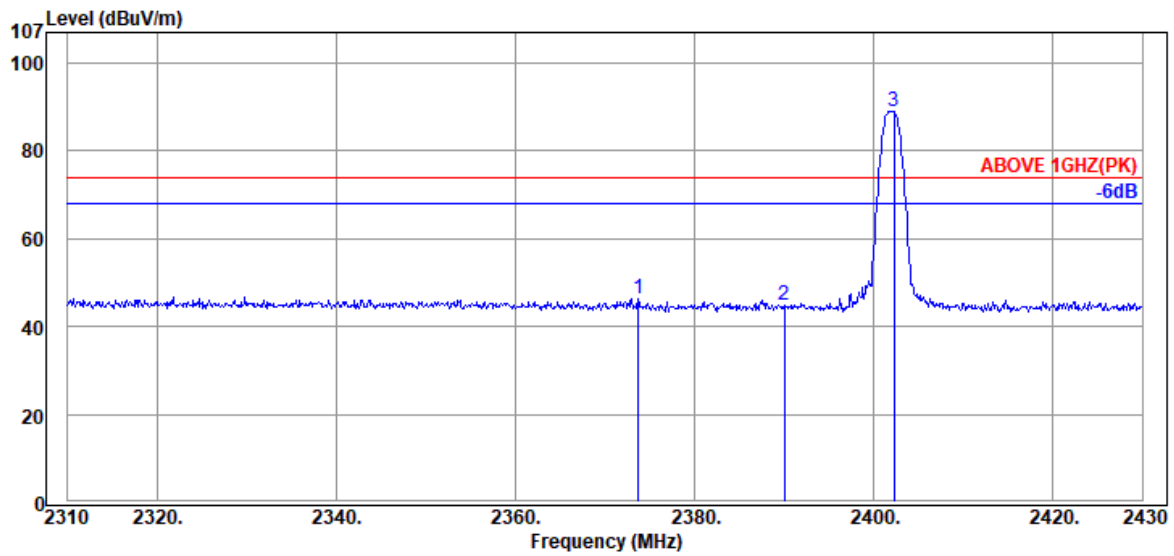


Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
2340.96	32.00	8.16	-6.18	33.98	54.00	20.02	Average
2390.04	32.00	8.17	-6.73	33.44	54.00	20.56	Average
@ 2402.04	32.03	8.18	58.76	98.97	---	---	Average

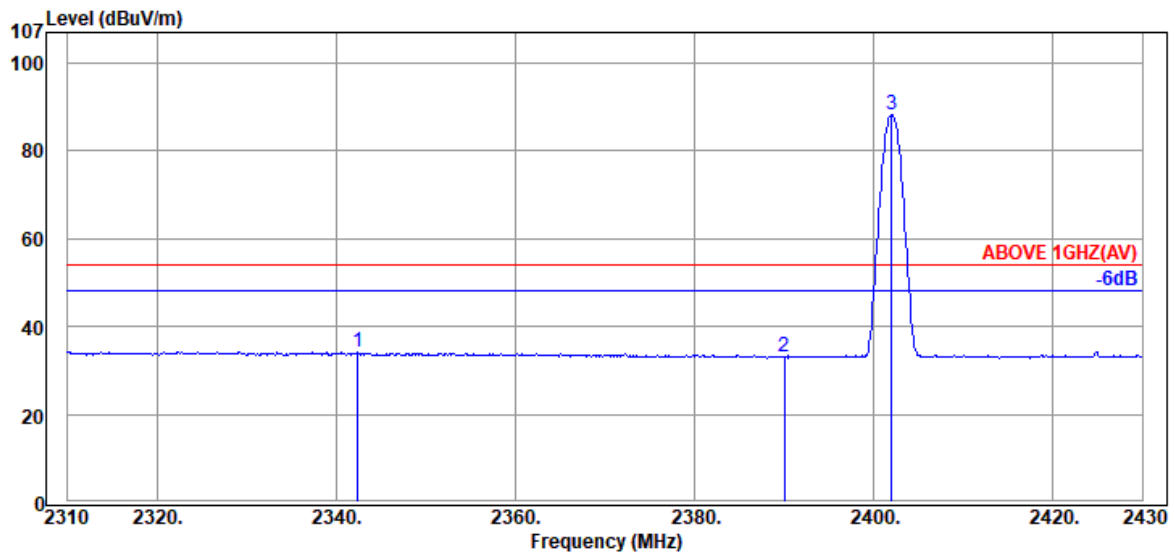
備註：“@”為主波，在此章節是不予以判定。

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
2373.72	32.00	8.17	6.04	46.21	74.00	27.79	Peak
2390.04	32.00	8.17	4.62	44.79	74.00	29.21	Peak
@ 2402.28	32.03	8.18	48.79	89.00	---	---	Peak

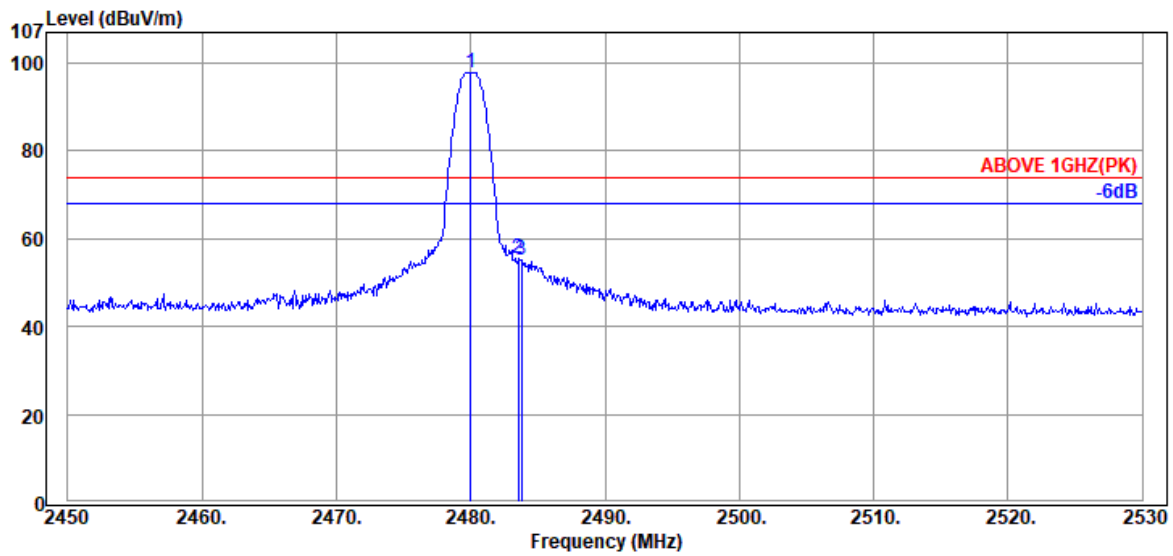


Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
2342.40	32.00	8.16	-6.09	34.07	54.00	19.93	Average
2390.04	32.00	8.17	-7.24	32.93	54.00	21.07	Average
@ 2402.04	32.03	8.18	48.08	88.29	---	---	Average

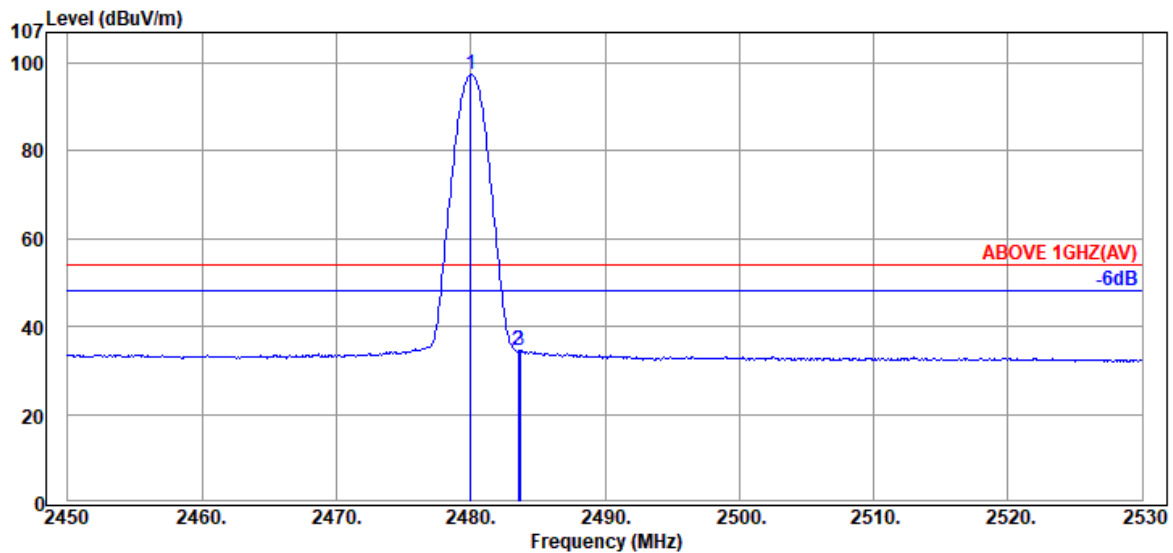
備註：“@”為主波，在此章節是不予以判定。

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
@	2480.00	32.58	8.20	57.13	97.91	---	---	Peak
	2483.52	32.57	8.20	14.65	55.42	74.00	18.58	Peak
	2483.76	32.56	8.20	14.34	55.10	74.00	18.90	Peak

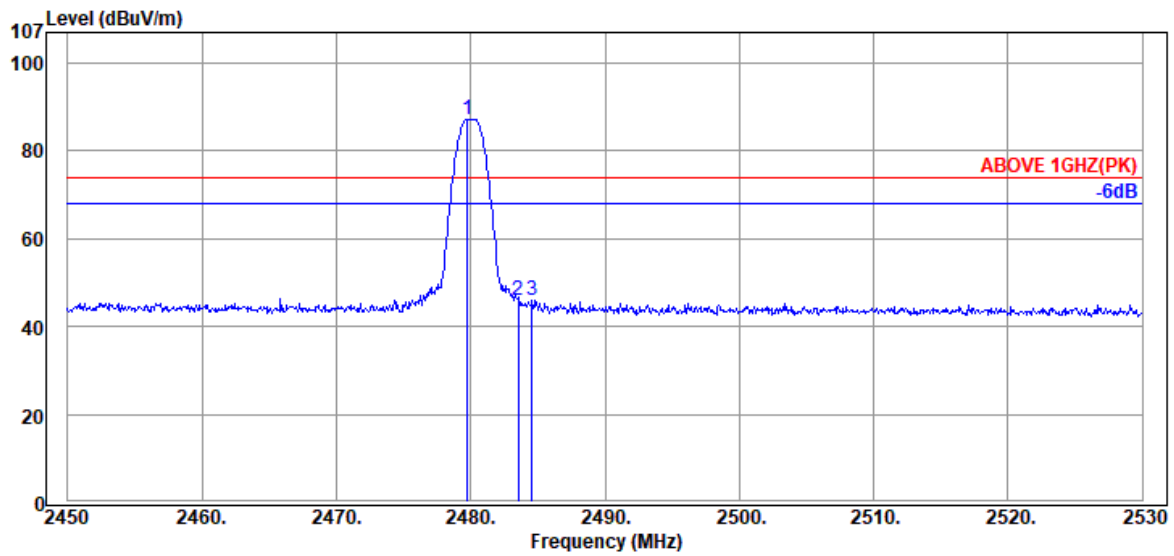


Antenna at Horizontal Polarization

	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	32.58	8.20	56.53	97.31	---	---	Average
	2483.52	32.57	8.20	-6.17	34.60	54.00	19.40	Average
	2483.68	32.57	8.20	-6.24	34.53	54.00	19.47	Average

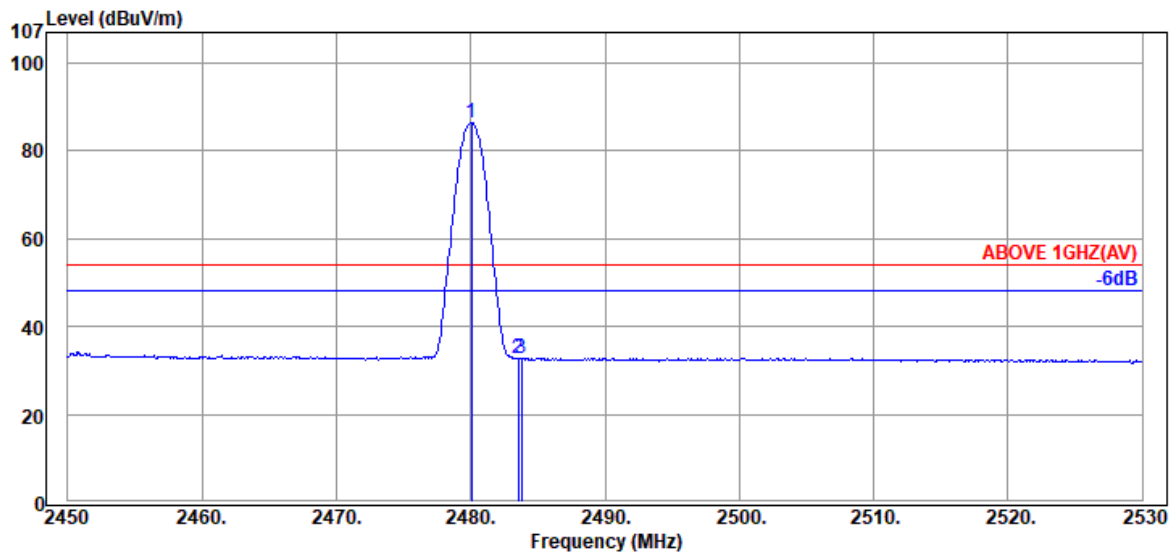
備註：“@”為主波，在此章節是不予以判定。

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
@	2479.76	32.58	8.20	46.46	87.24	---	---	Peak
	2483.52	32.57	8.20	5.35	46.12	74.00	27.88	Peak
	2484.56	32.56	8.20	5.24	46.00	74.00	28.00	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
@	2480.08	32.58	8.20	45.75	86.53	---	---	Average
	2483.52	32.57	8.20	-8.00	32.77	54.00	21.23	Average
	2483.76	32.56	8.20	-7.91	32.85	54.00	21.15	Average

備註：“@”為主波，在此章節是不予以判定。

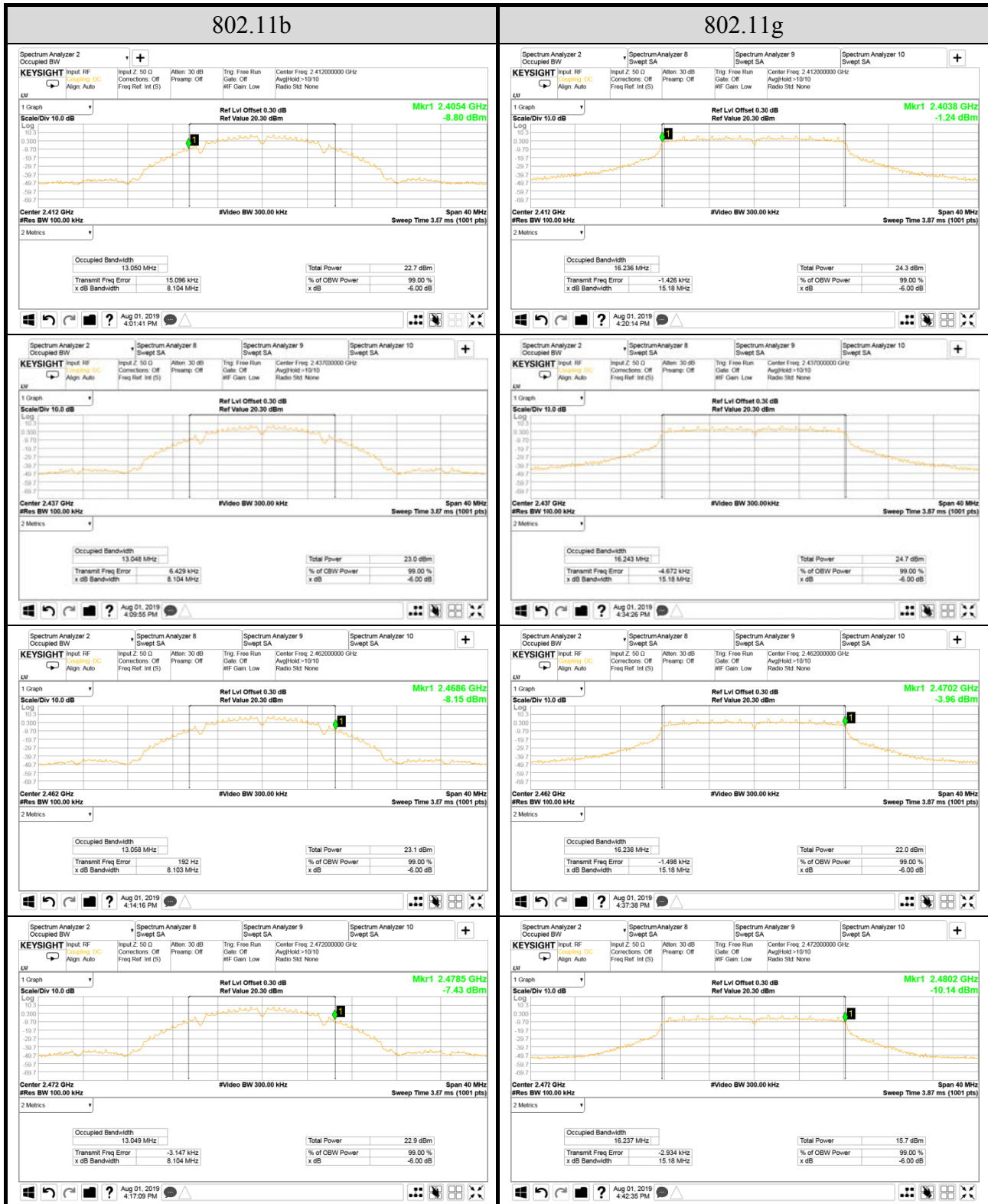
3. 發射頻寬之量測

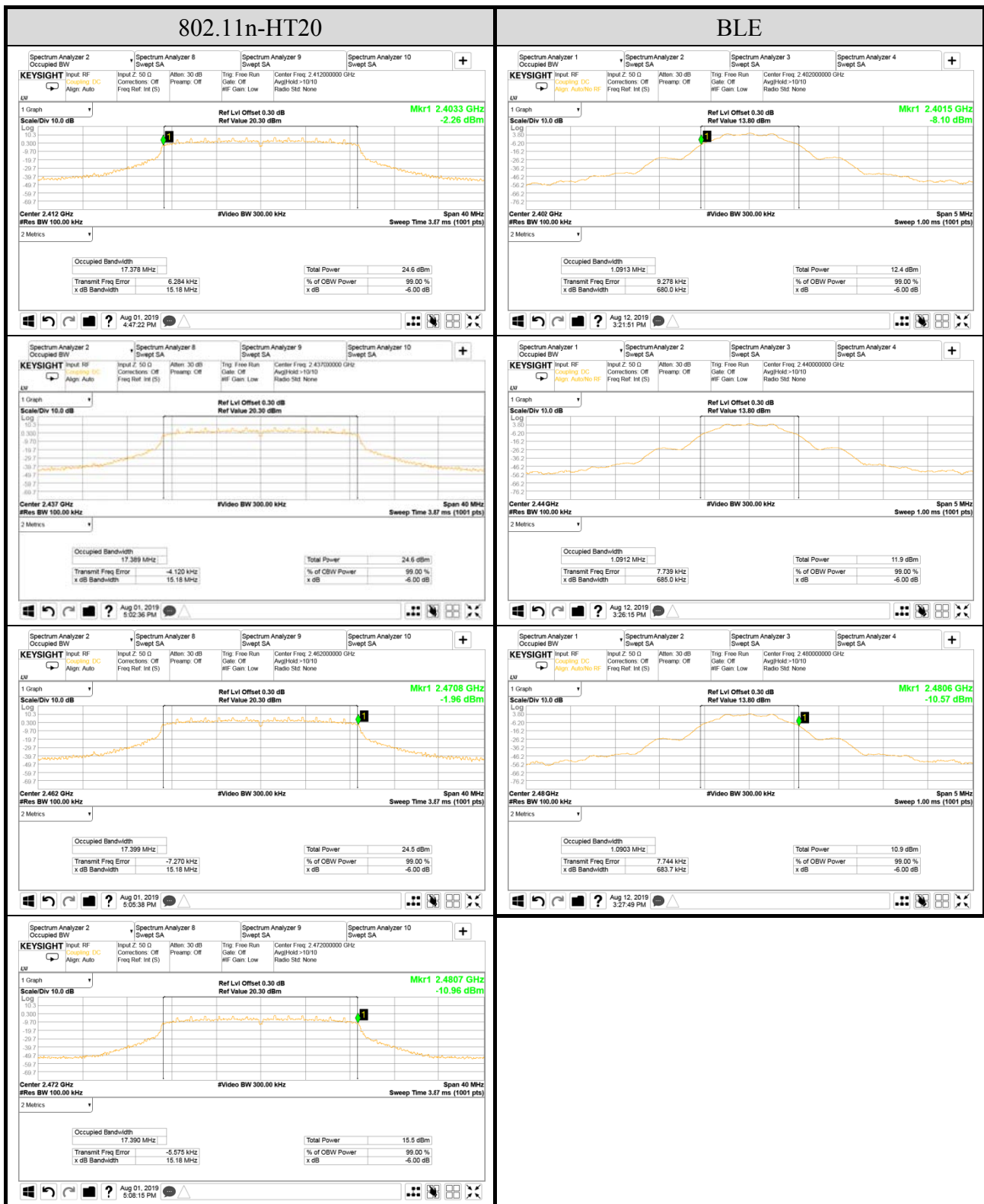
測試日期	2019/08/01 ~ 12	環境溫/濕度	21~25℃/50~55%
電纜損失	0.3dB	測試電壓	DC 3.7V(經鋰電池供電)

3.1. 發射頻寬

模式	測試頻率 (MHz)	6dB 頻寬 (MHz)	限制值 (kHz)
802.11b	2412	8.104	>500
	2437	8.104	
	2462	8.103	
	2472	8.104	
802.11g	2412	15.18	
	2437	15.18	
	2462	15.18	
	2472	15.18	
802.11n-HT20	2412	15.18	
	2437	15.18	
	2462	15.18	
	2472	15.18	
BLE	2402	0.6800	
	2440	0.6850	
	2480	0.6837	

3.2. 發射頻寬之量測圖





4. 峰值輸出功率之量測

測試日期	2019/08/01 ~ 05	環境溫/濕度	21~25°C/50~55%
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

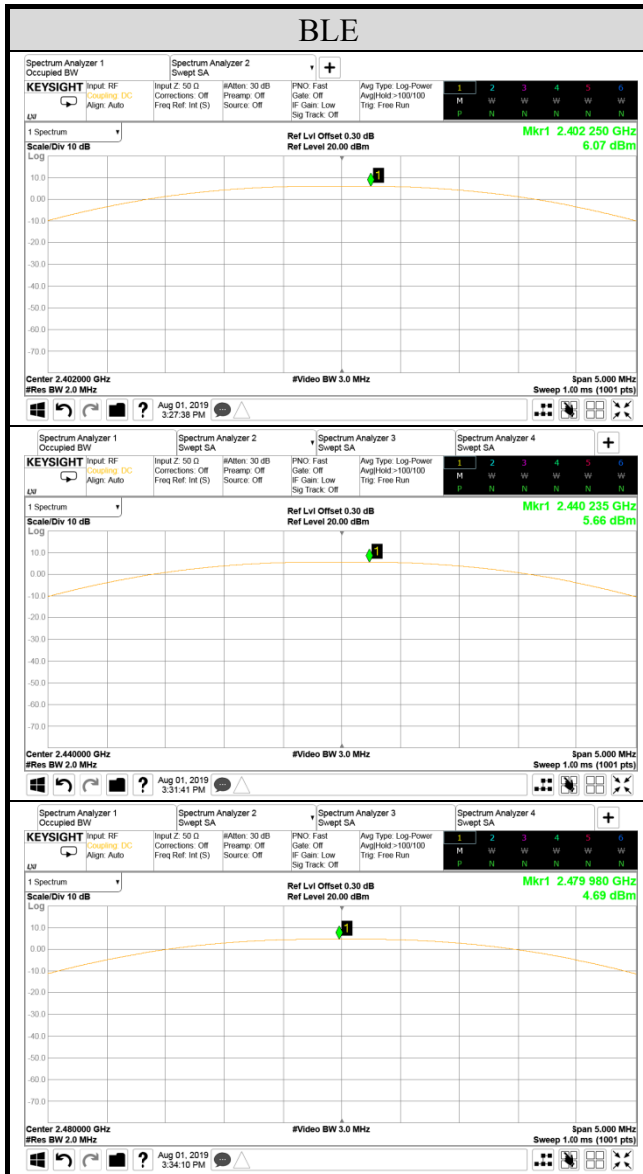
模式	測試頻率 (MHz)	輸出功率(dBm)	限制值 (dBm)
802.11b	2412	18.17	30
	2437	18.29	
	2462	18.38	
	2467	18.39	
	2472	18.41	
802.11g	2412	22.23	
	2437	22.38	
	2462	22.44	
	2467	22.47	
	2472	12.91	
802.11n-HT20	2412	22.42	
	2437	22.59	
	2462	22.70	
	2467	22.68	
	2472	13.01	
BLE	2402	6.07	
	2440	5.66	
	2480	4.69	

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	0.993	15.65	0	15.65	30
	2437		15.77		15.77	
	2462		15.86		15.86	
	2467		15.87		15.87	
	2472		15.88		15.88	
802.11g	2412	0.922	16.45	0.35	16.80	
	2437		16.66		17.01	
	2462		16.8		17.15	
	2467		16.84		17.19	
	2472		6.71		7.06	
802.11n-HT20	2412	0.941	16.25	0.27	16.52	
	2437		16.44		16.71	
	2462		16.60		16.87	
	2467		16.58		16.85	
	2472		6.45		6.72	

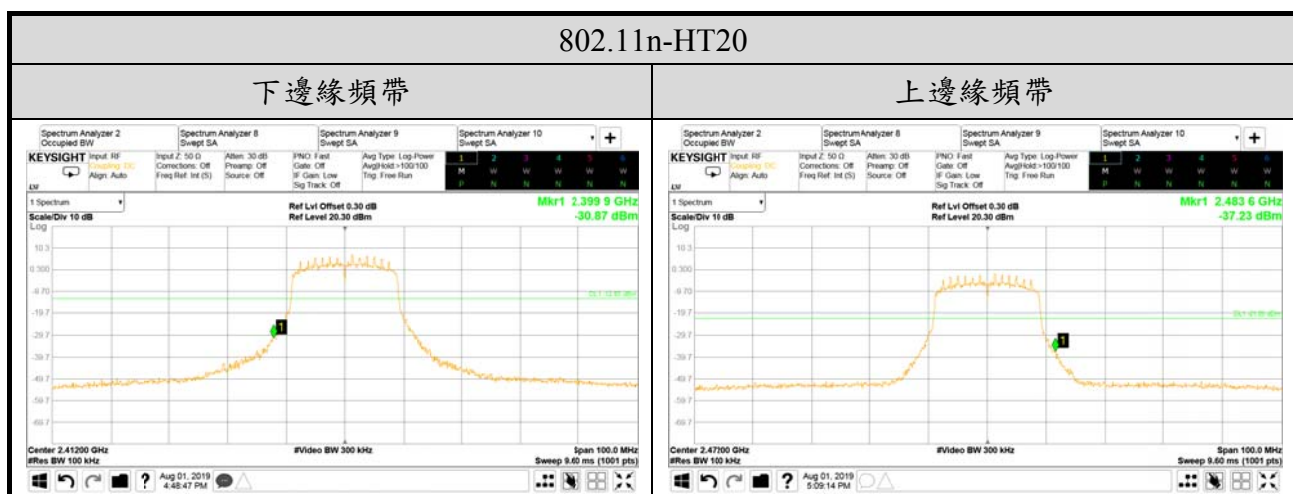
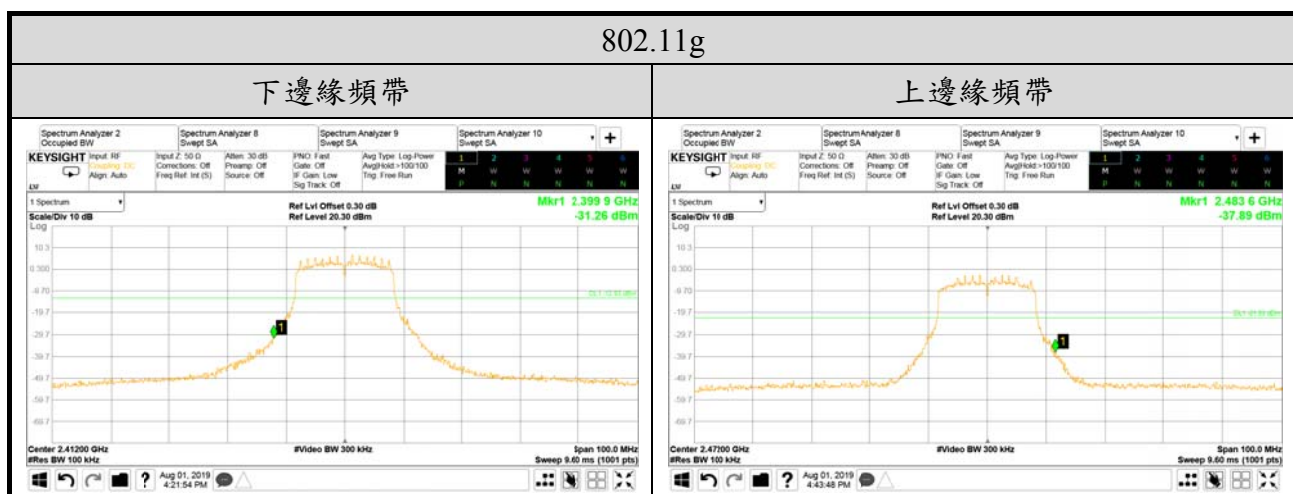
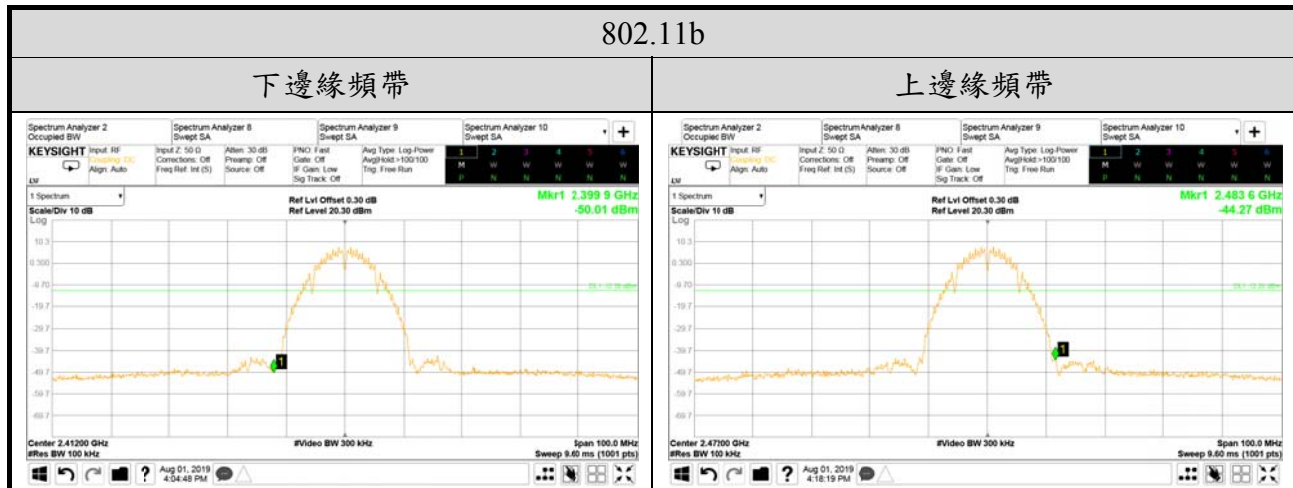
註：當 Duty cycle<98%，最大輸出功率必需要加上 duty cycle factor $10\log(1/x)$ 。(x=duty cycle)

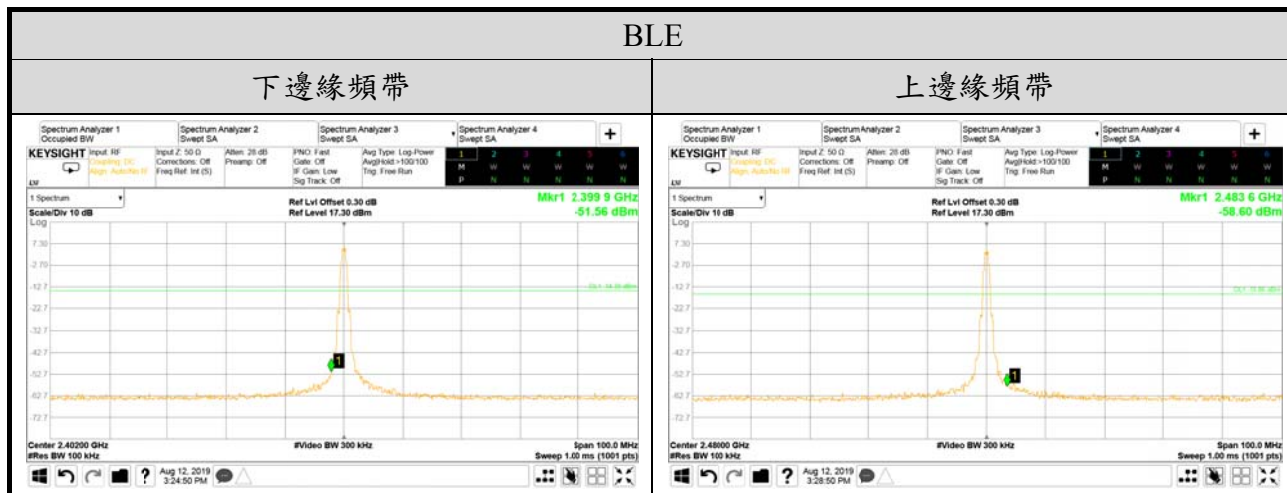
4.3. 峰值輸出功率之量測圖



5. 頻帶邊緣之 RF 傳導發射之量測

測試日期	2019/08/01 ~ 12	環境溫/濕度	21~25°C/50~55%
電纜損失	0.3dB	測試電壓	DC 3.7V(經鋰電池供電)



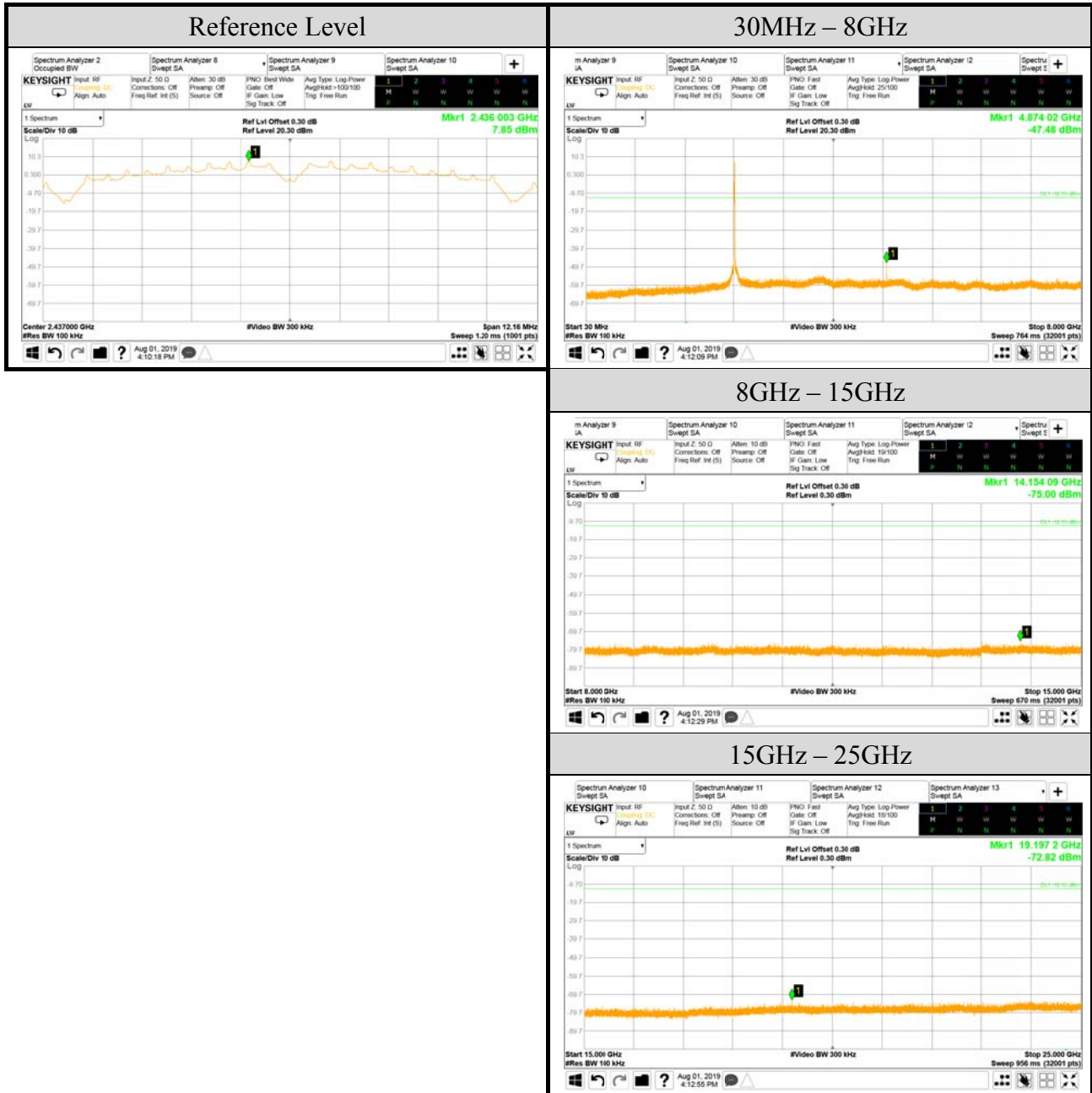


6. 混附發射之 RF 傳導發射之量測

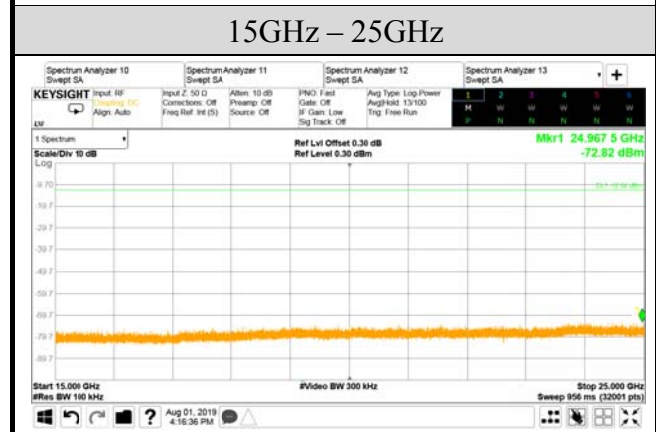
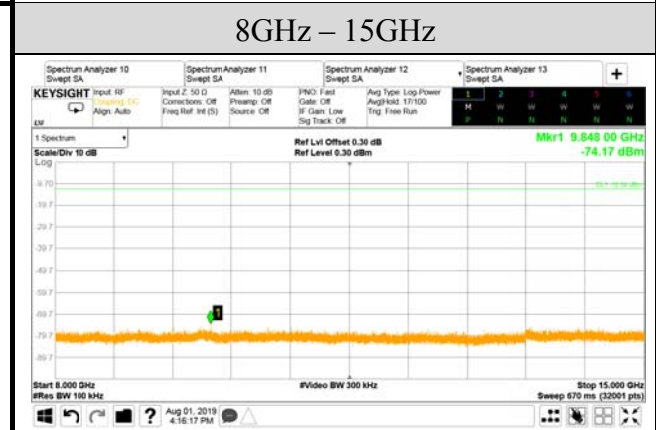
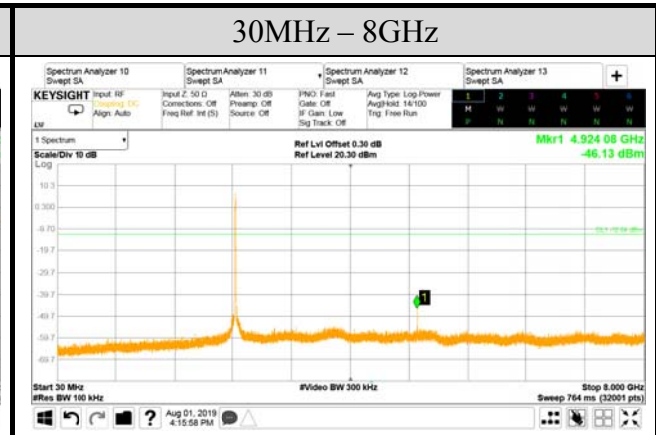
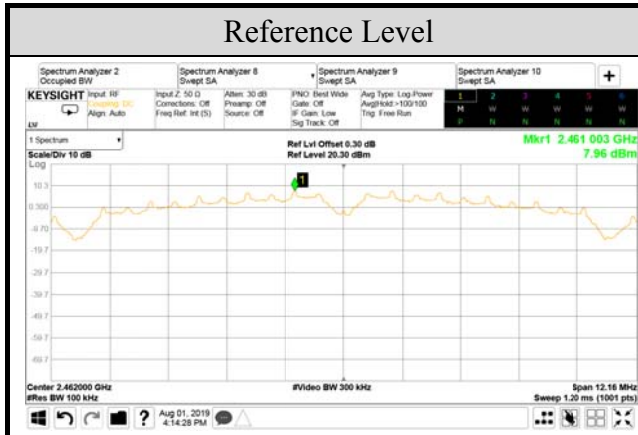
測試日期	2019/08/01	環境溫/濕度	24°C/53%
電纜損失	0.3dB	測試電壓	DC 3.7V(經鋰電池供電)
模式	802.11b	測試頻率	2412MHz
Simultaneous Factor10 log(n) (Note: “n” is antenna number)			0



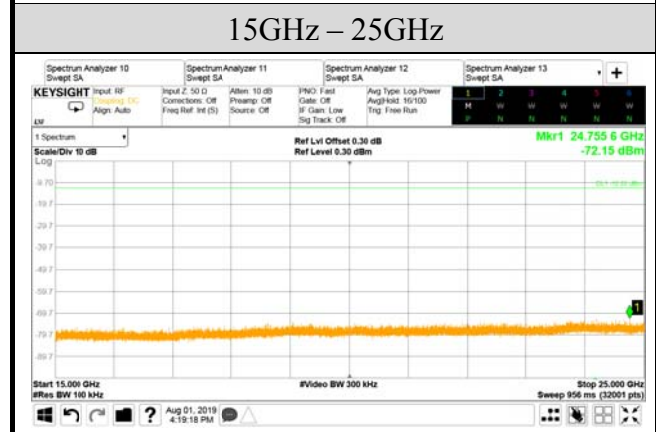
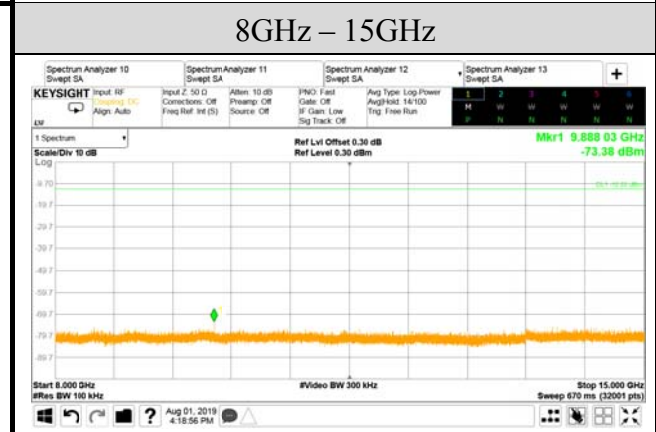
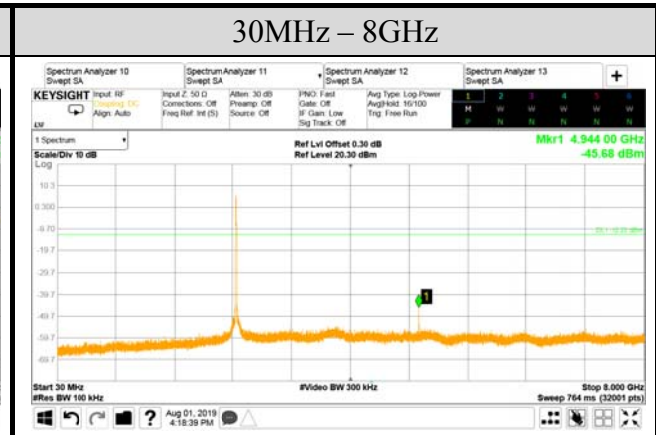
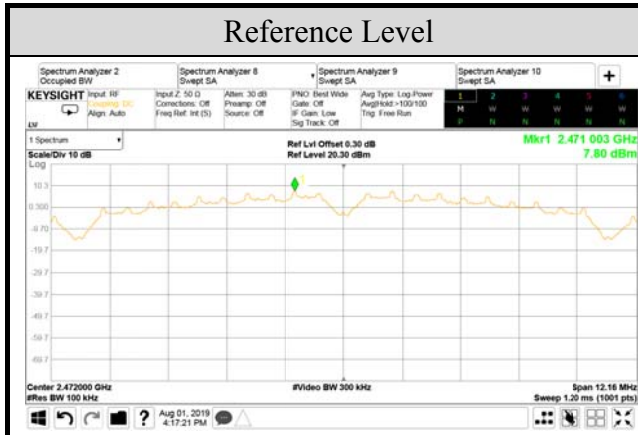
測試日期	2019/08/01	環境溫/濕度	24°C/53%
電纜損失	0.3dB	測試電壓	DC 3.7V(經鋰電池供電)
模式	802.11b	測試頻率	2437MHz
Simultaneous Factor10 log(n) (Note: “n” is antenna number)			0



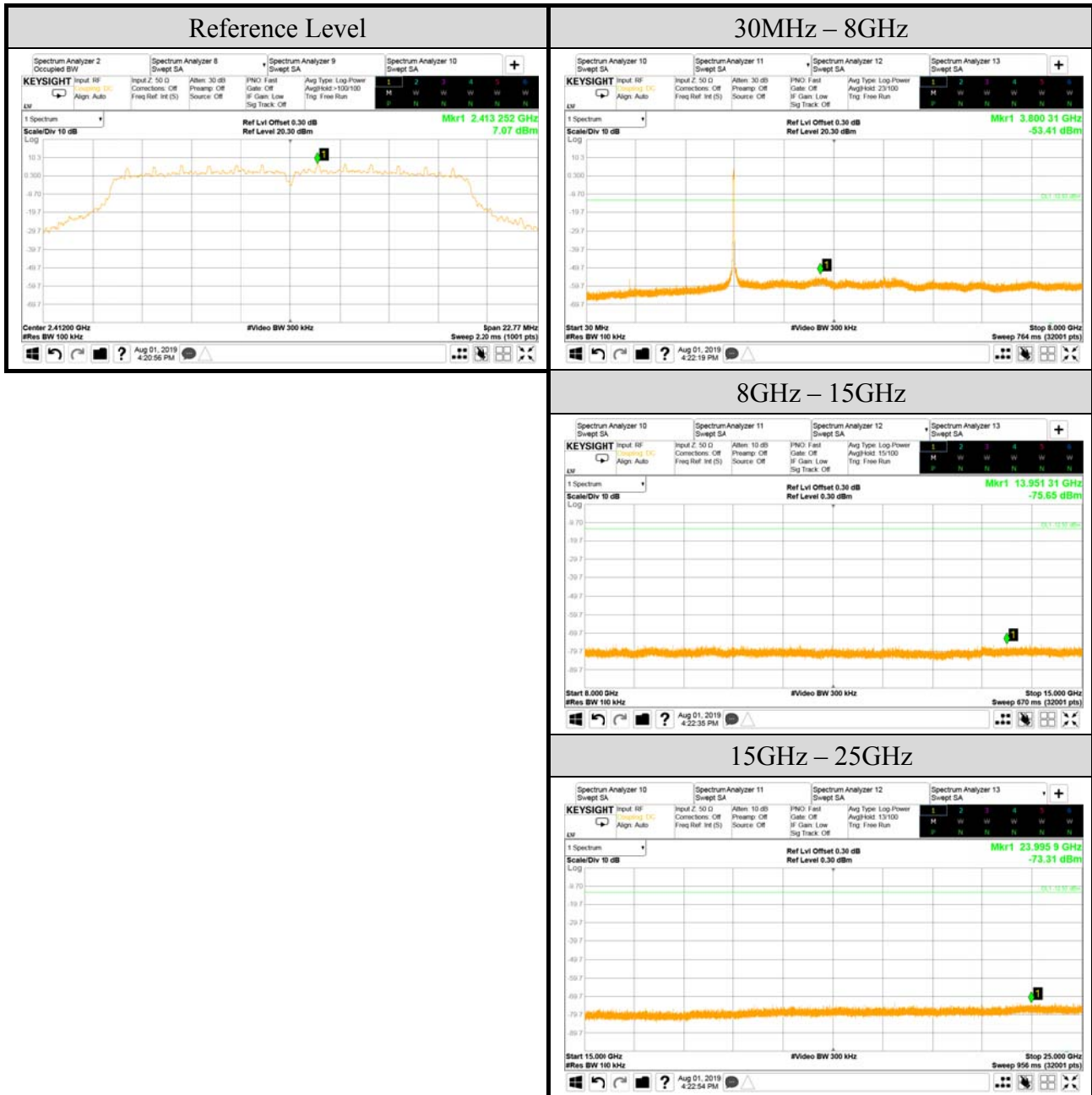
測試日期	2019/08/01	環境溫/濕度	24°C/53%
電纜損失	0.3dB	測試電壓	DC 3.7V(經鋰電池供電)
模式	802.11b	測試頻率	2462MHz
Simultaneous Factor10 log(n) (Note: “n” is antenna number)			0



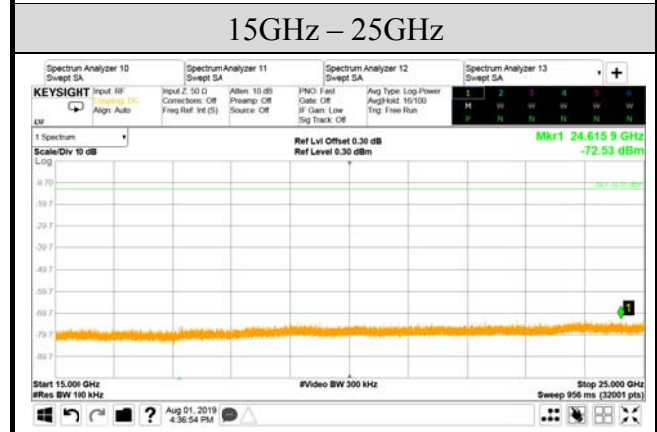
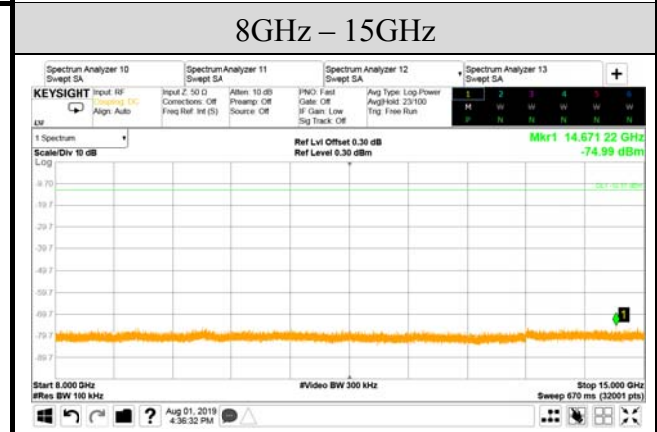
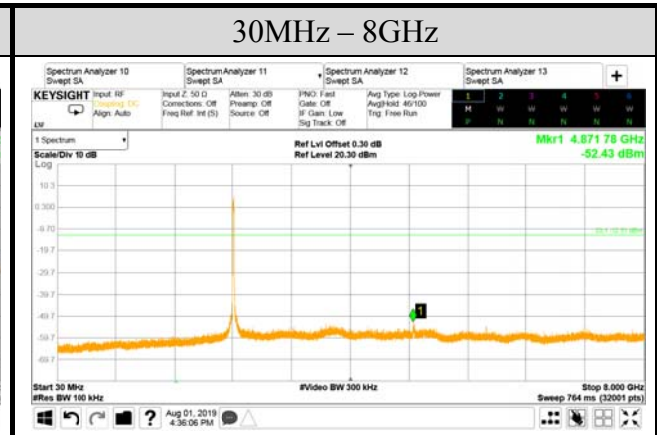
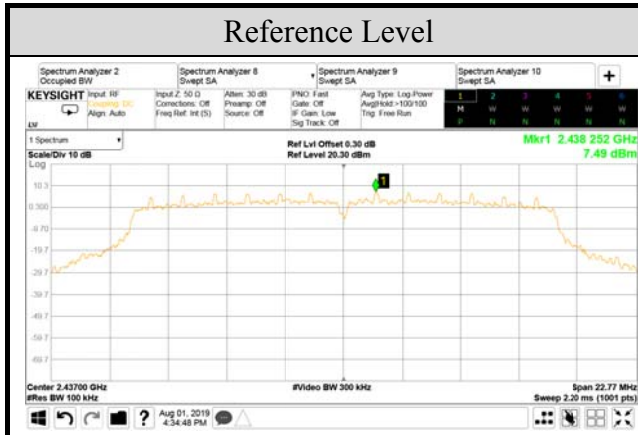
測試日期	2019/08/01	環境溫/濕度	24°C/53%
電纜損失	0.3dB	測試電壓	DC 3.7V(經鋰電池供電)
模式	802.11b	測試頻率	2472MHz
Simultaneous Factor10 log(n) (Note: “n” is antenna number)			0



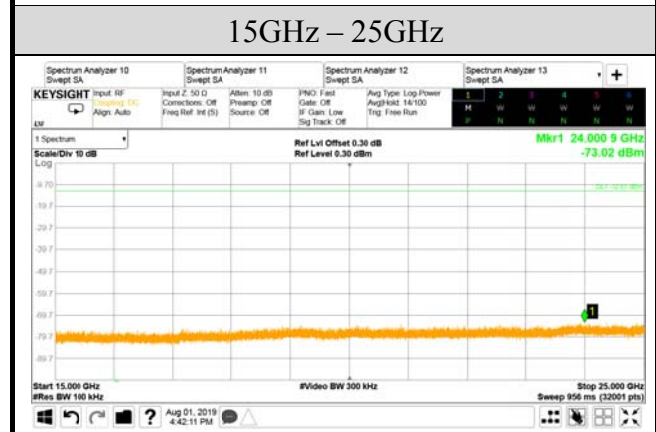
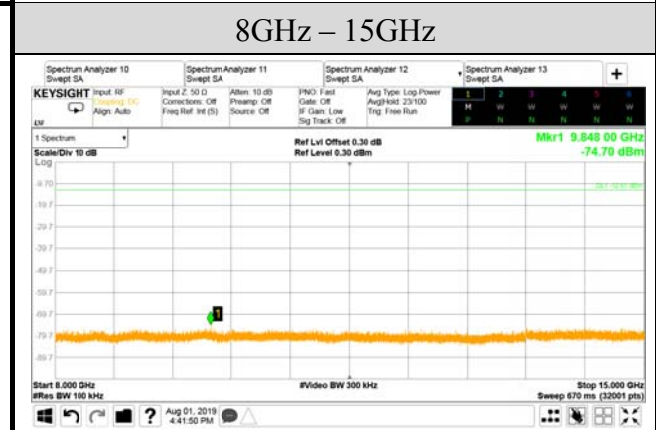
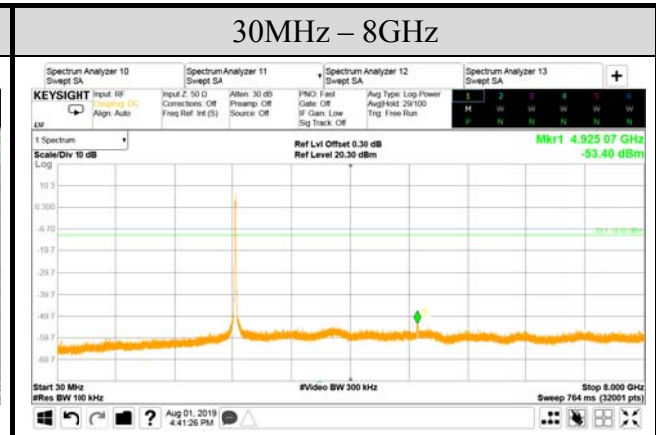
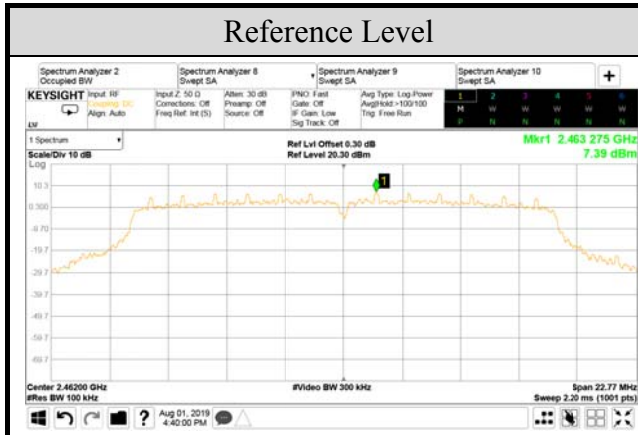
測試日期	2019/08/01	環境溫/濕度	24°C/53%
電纜損失	0.3dB	測試電壓	DC 3.7V(經鋰電池供電)
模式	802.11g	測試頻率	2412MHz
Simultaneous Factor10 log(n) (Note: “n” is antenna number)			0



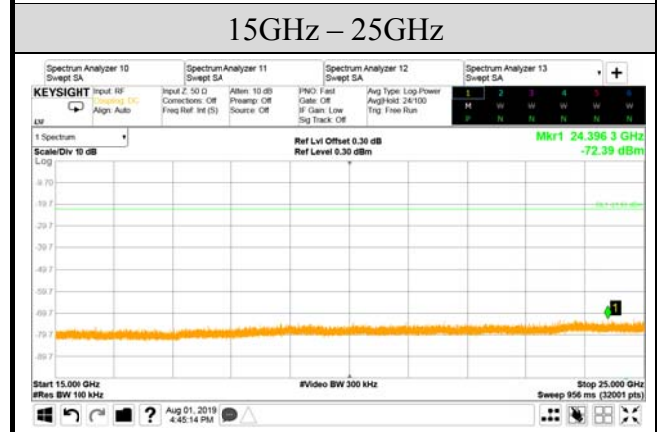
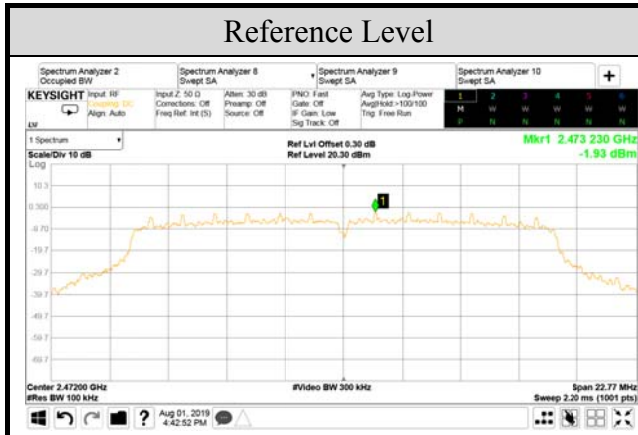
測試日期	2019/08/01	環境溫/濕度	24°C/53%
電纜損失	0.3dB	測試電壓	DC 3.7V(經鋰電池供電)
模式	802.11g	測試頻率	2437MHz
Simultaneous Factor10 log(n) (Note: "n" is antenna number)			0



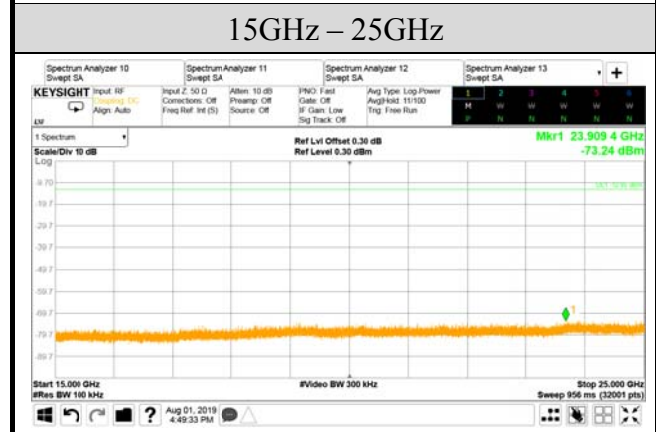
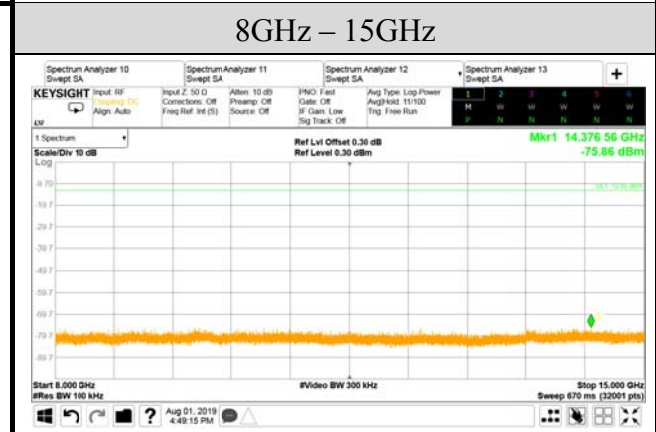
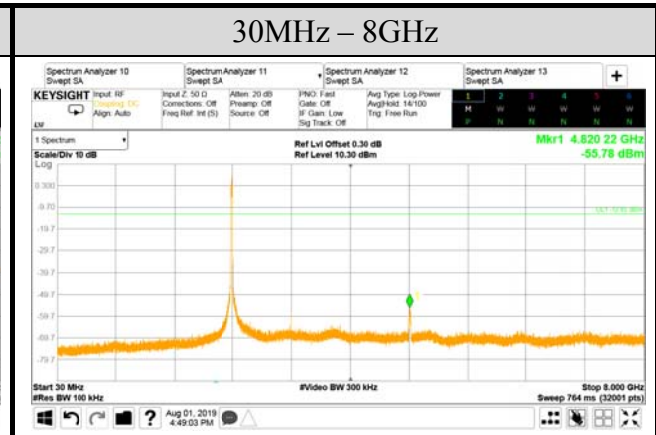
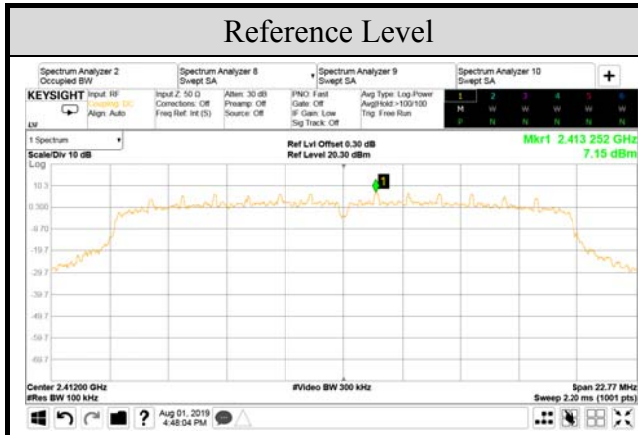
測試日期	2019/08/01	環境溫/濕度	24°C/53%
電纜損失	0.3dB	測試電壓	DC 3.7V(經鋰電池供電)
模式	802.11g	測試頻率	2462MHz
Simultaneous Factor10 log(n) (Note: “n” is antenna number)			0



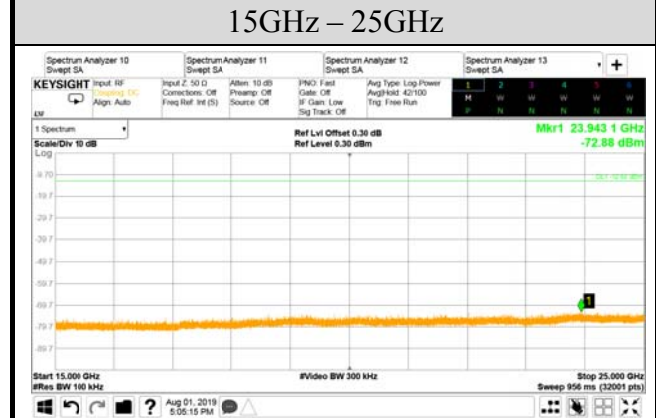
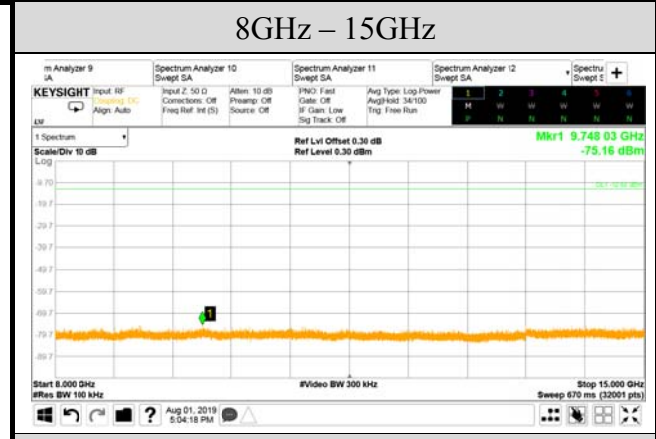
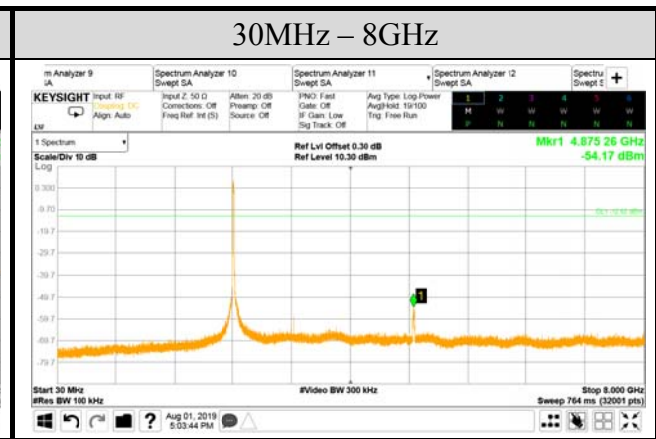
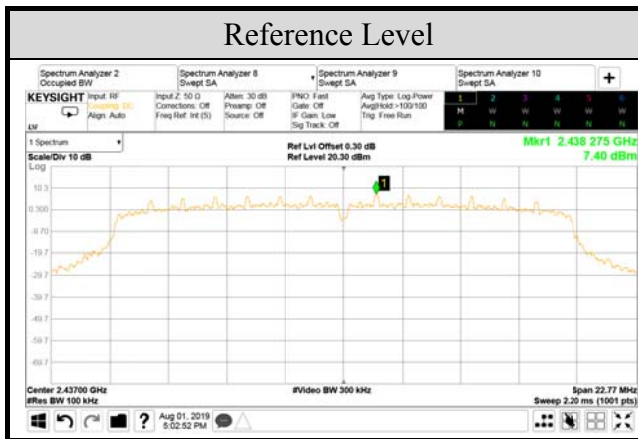
測試日期	2019/08/01	環境溫/濕度	24°C/53%
電纜損失	0.3dB	測試電壓	DC 3.7V(經鋰電池供電)
模式	802.11g	測試頻率	2472MHz
Simultaneous Factor10 log(n) (Note: “n” is antenna number)			0



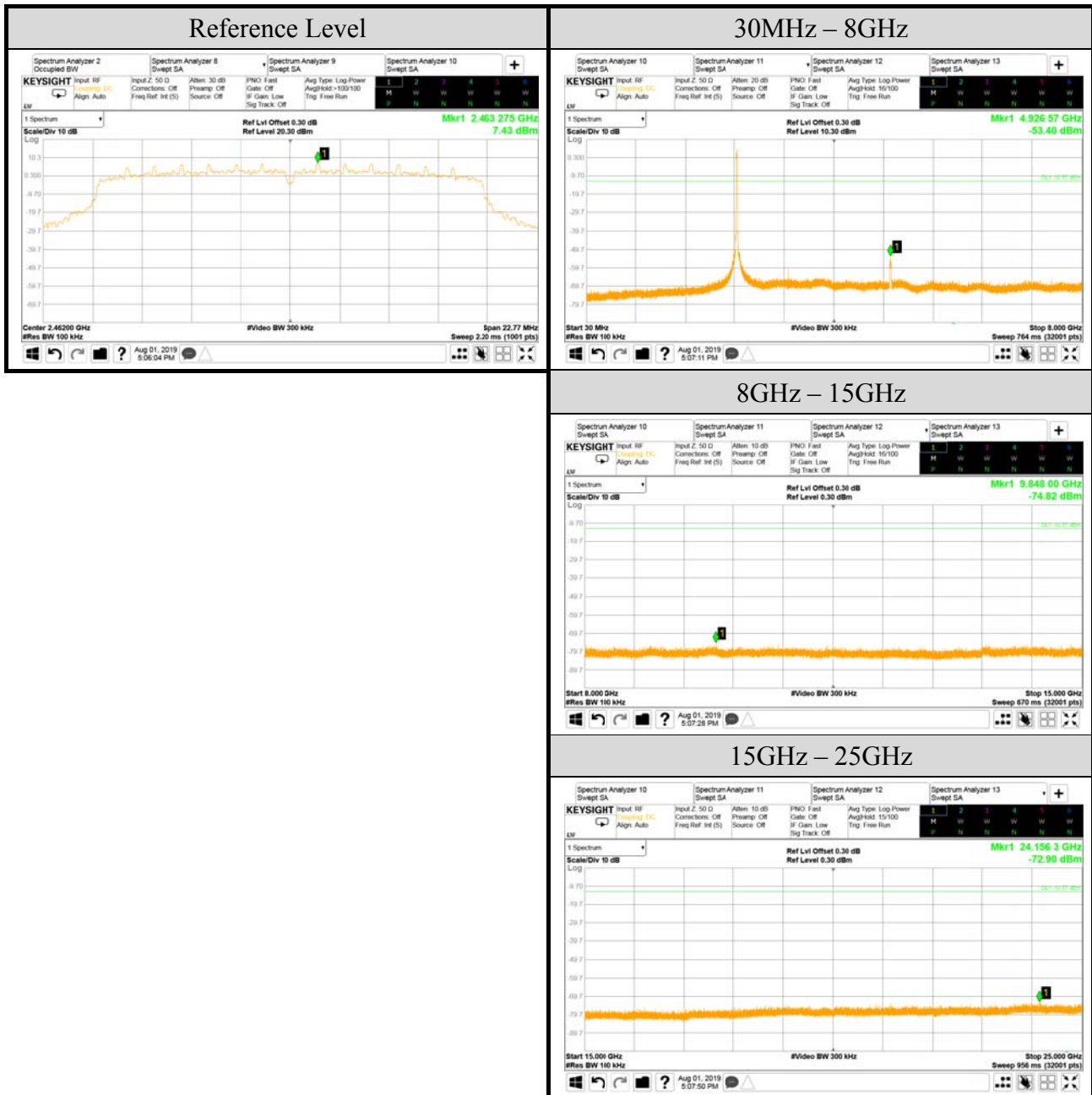
測試日期	2019/08/01	環境溫/濕度	24°C/53%
電纜損失	0.3dB	測試電壓	DC 3.7V(經鋰電池供電)
模式	802.11n-HT20	測試頻率	2412MHz
Simultaneous Factor10 log(n) (Note: "n" is antenna number)			0



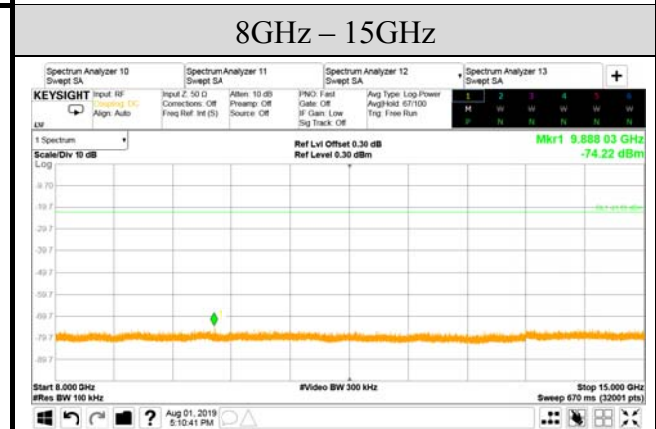
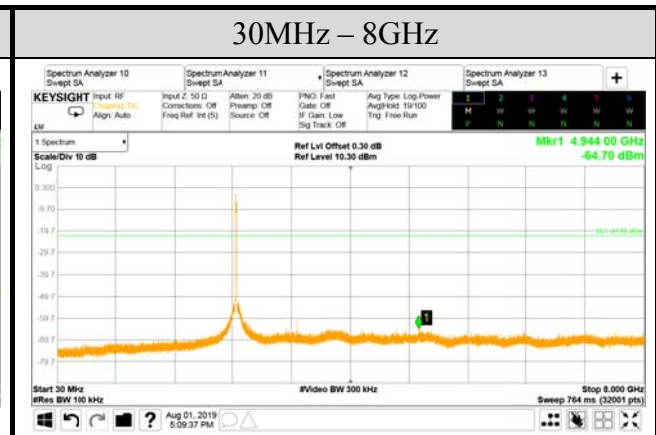
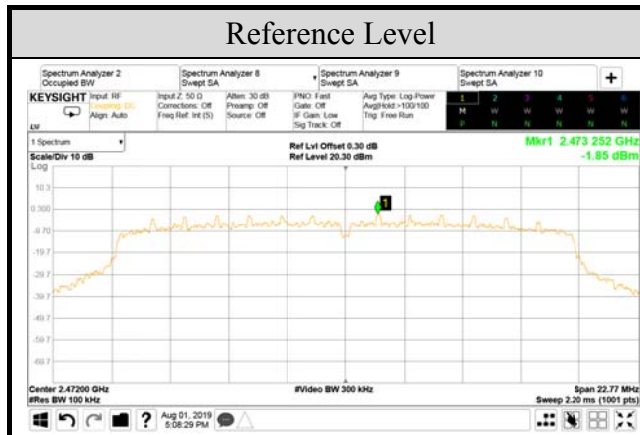
測試日期	2019/08/01	環境溫/濕度	24°C/53%
電纜損失	0.3dB	測試電壓	DC 3.7V(經鋰電池供電)
模式	802.11n-HT20	測試頻率	2437MHz
Simultaneous Factor10 log(n) (Note: “n” is antenna number)			0



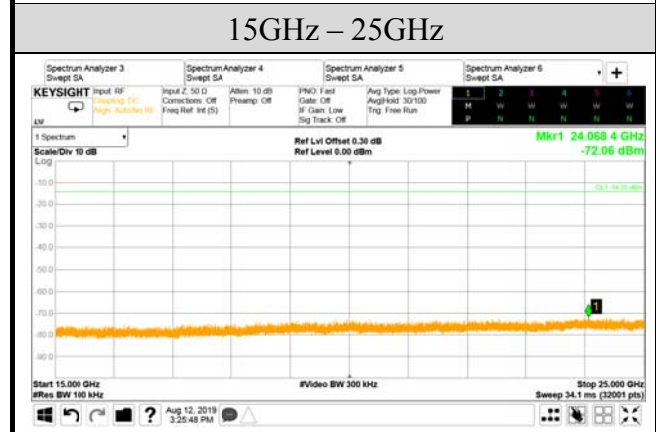
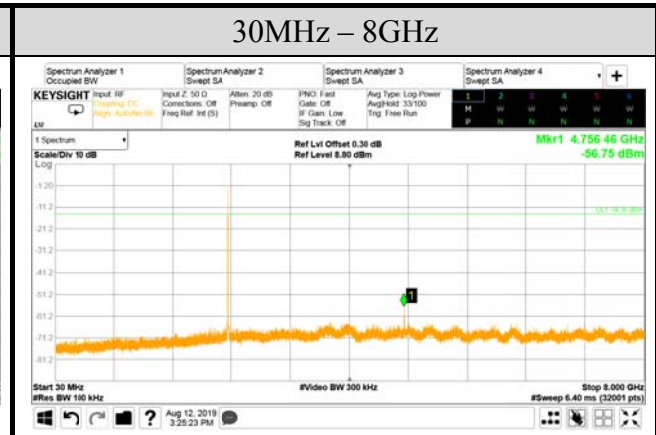
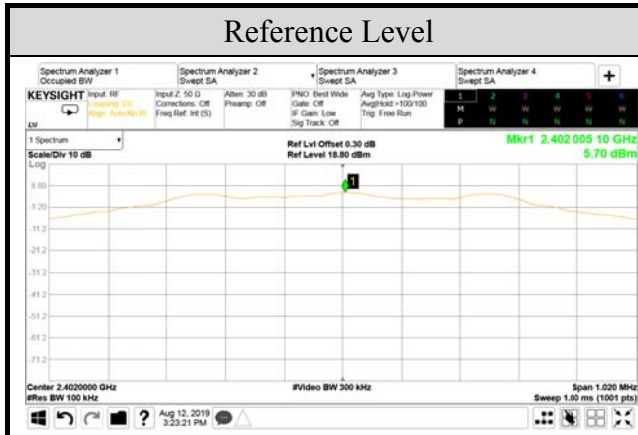
測試日期	2019/08/01	環境溫/濕度	24°C/53%
電纜損失	0.3dB	測試電壓	DC 3.7V(經鋰電池供電)
模式	802.11n-HT20	測試頻率	2462MHz
Simultaneous Factor10 log(n) (Note: “n” is antenna number)			0



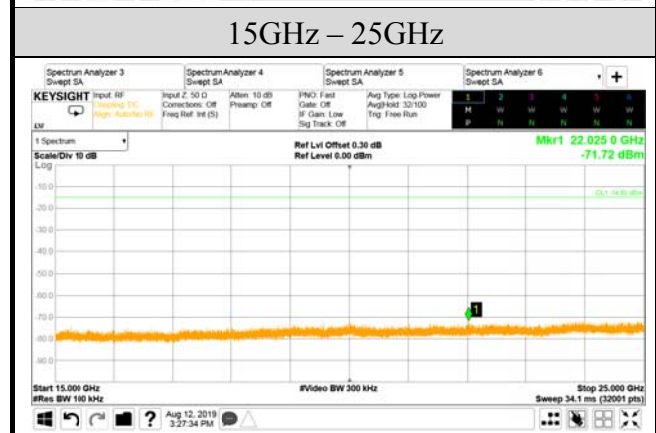
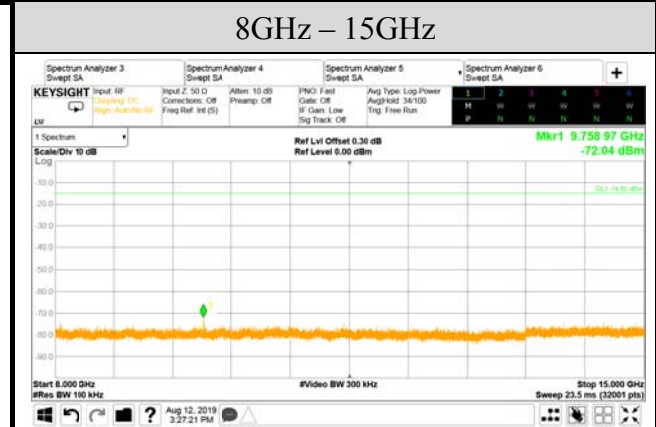
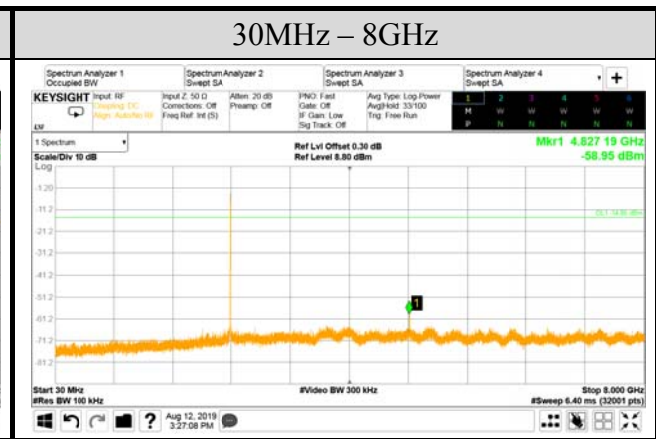
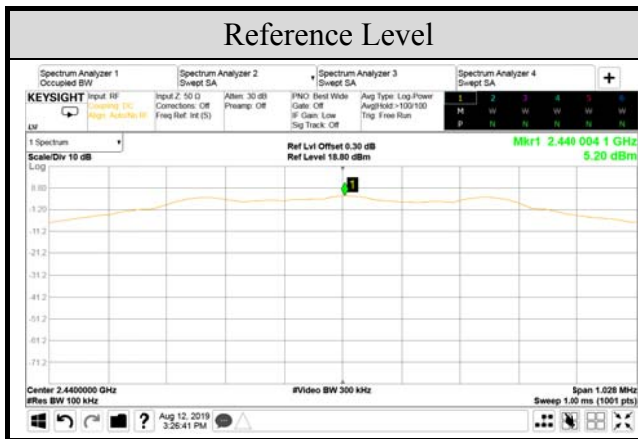
測試日期	2019/08/01	環境溫/濕度	24°C/53%
電纜損失	0.3dB	測試電壓	DC 3.7V(經鋰電池供電)
模式	802.11n-HT20	測試頻率	2472MHz
Simultaneous Factor10 log(n) (Note: “n” is antenna number)			0



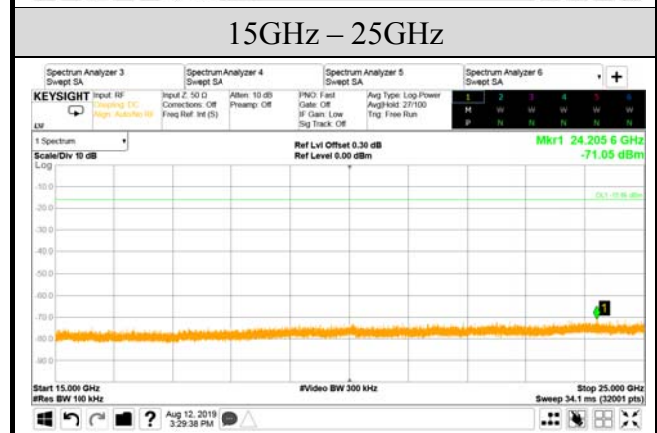
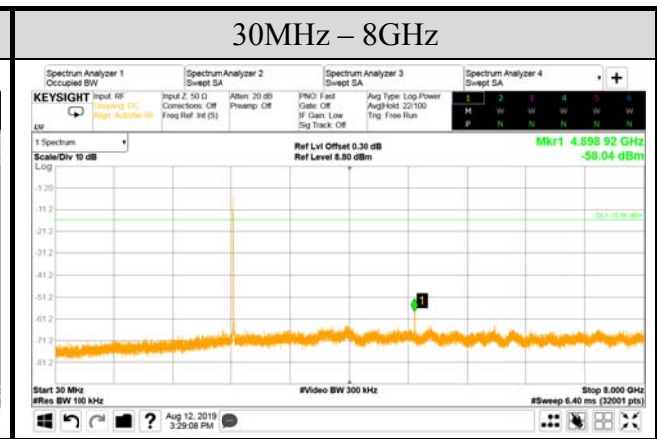
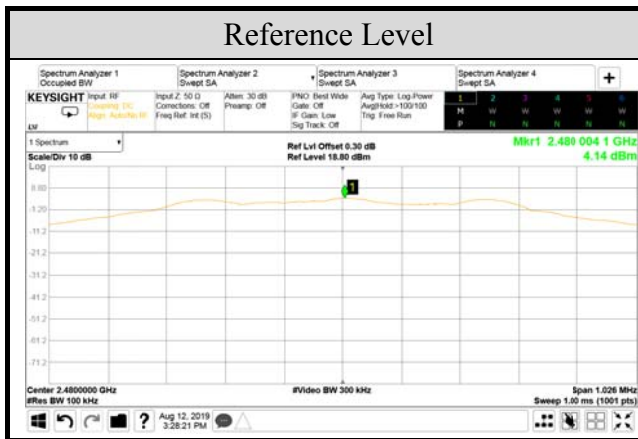
測試日期	2019/08/12	環境溫/濕度	25°C/55%
電纜損失	0.3dB	測試電壓	DC 3.7V(經鋰電池供電)
模式	BLE	測試頻率	2402MHz
Simultaneous Factor10 log(n) (Note: “n” is antenna number)			0



測試日期	2019/08/12	環境溫/濕度	25°C/55%
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	2019/08/12	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	BLE	測試頻率	2480MHz
Simultaneous Factor10 log(n) (Note: “n” is antenna number)			0



7. 功率密度之量測

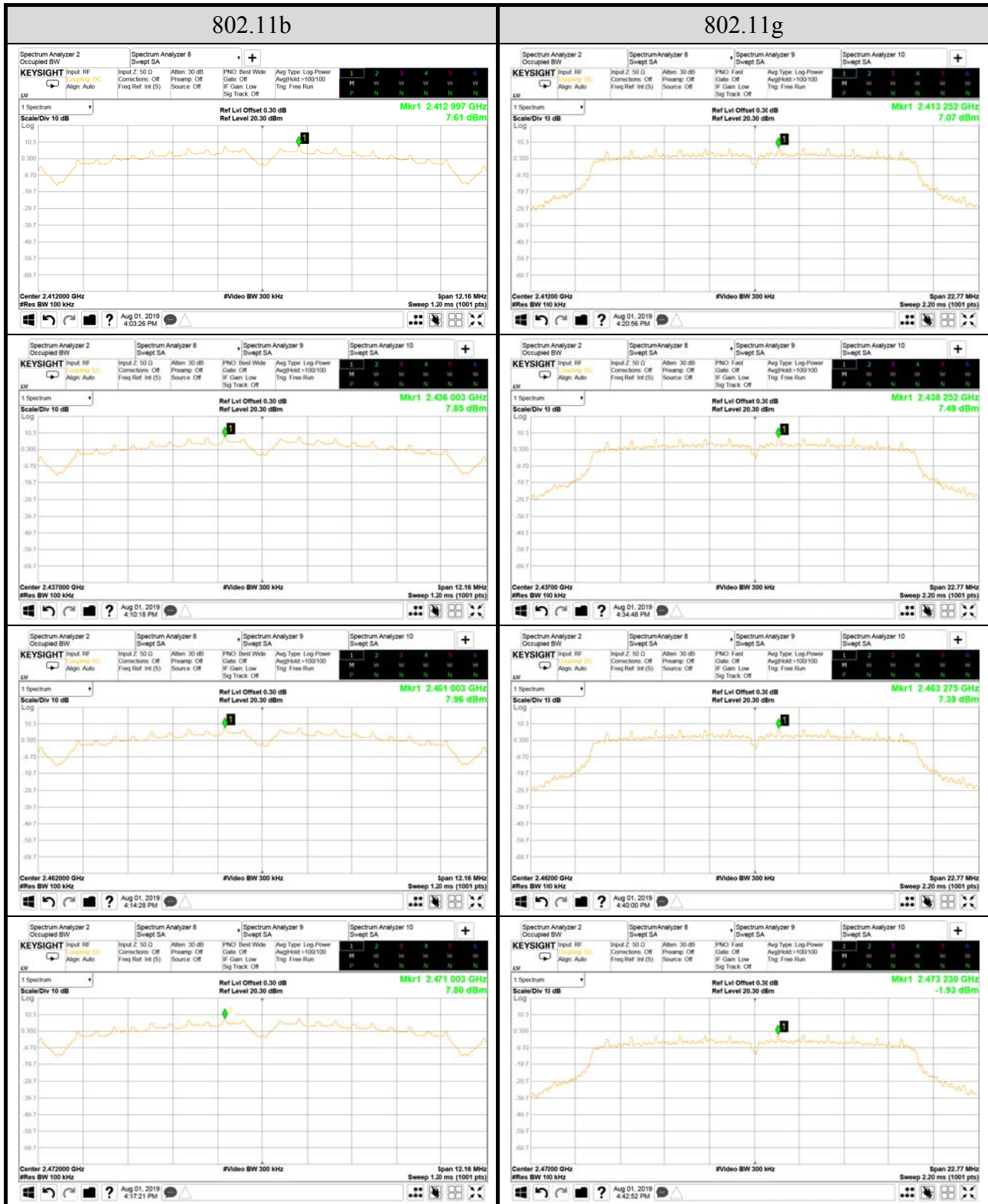
測試日期	2019/08/01 ~ 12	環境溫/濕度	21~25°C/50~55%
電纜損失	0.3dB	測試電壓	DC 3.7V(經鋰電池供電)
Simultaneous Factor10 log(n) (Note: “n” is antenna number)			0

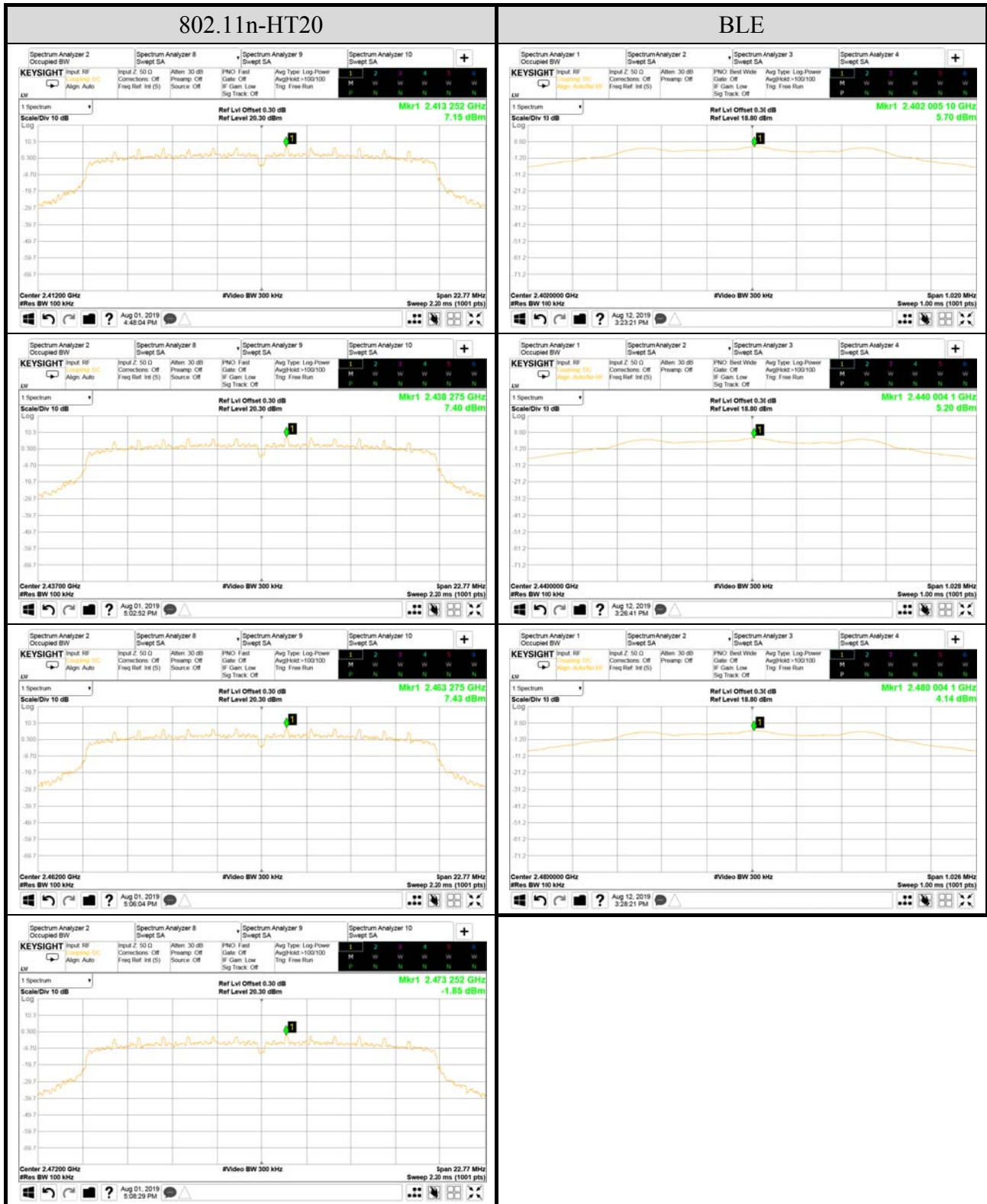
7.1. 功率密度

模式	測試頻率 (MHz)	功率密度 (dBm)	限制值
802.11b	2412	7.61	<8dBm/3kHz
	2437	7.85	
	2462	7.96	
	2472	7.80	
802.11g	2412	7.07	
	2437	7.49	
	2462	7.39	
	2472	-1.93	
802.11n-HT20	2412	7.15	
	2437	7.40	
	2462	7.43	
	2472	-1.85	
BLE	2402	5.70	
	2440	5.20	
	2480	4.14	

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	2019/08/12	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):	22.70	dBm	=	186.209 mW
最大天線增益(G):	2.0	dBi	=	1.585 Numerical
MPE (S) = (P*G) / (4* π *r ²) =	0.0587 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：0.0587 mW/cm ²				

● WLAN 5G 模式

距離人體(r):	20	cm		
最大發射功率(P):	13.44	dBm	=	22.080 mW
最大天線增益(G):	3	dBi	=	1.995 Numerical
MPE (S) = (P*G) / (4* π *r ²) =	0.0088 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：0.0088 mW/cm ²				

● BT 模式

距離人體(r):	20	cm		
最大發射功率(P):	7.74	dBm	=	5.943 mW
最大天線增益(G):	2.0	dB	=	1.585 Numerical
MPE (S) = (P*G) / (4*π*r ²) =	0.0019 mW/cm ²			
註：1. 最大發射功率係指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：0.0019 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)
0.0587	0.0019	0.0606	≤1
註：電磁波曝露量MPE標準值1mW/cm ² ，送測產品實測值為：0.0606 mW/cm ²			

WLAN 5G (mW/cm ²)	BT (mW/cm ²)	Total (mW/cm ²)	Limit (mW/cm ²)
0.0088	0.0019	0.0107	≤1
註：電磁波曝露量MPE標準值1mW/cm ² ，送測產品實測值為：0.0107 mW/cm ²			