

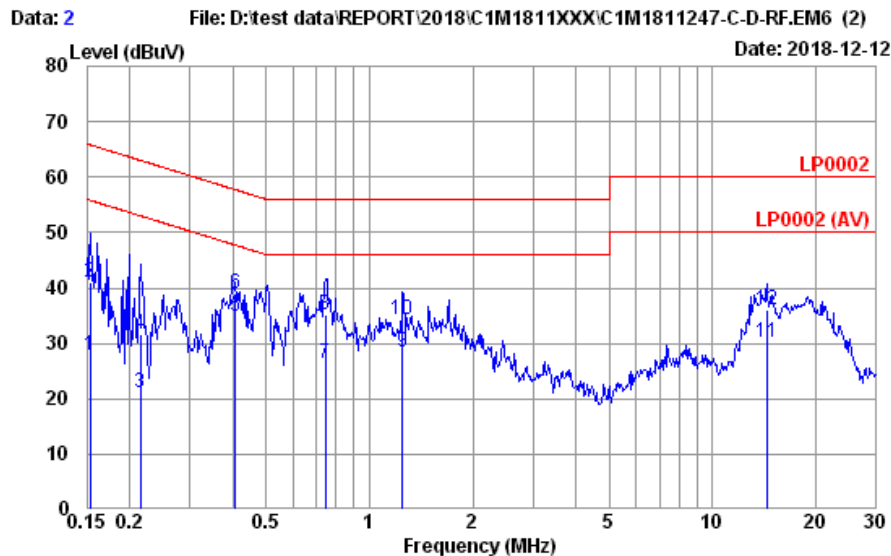
附錄一

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).....	11
3. 發射頻寬之量測.....	19
3.1. 發射頻寬.....	19
3.2. 發射頻寬之量測圖.....	19
4. 峰值輸出功率之量測.....	20
4.1. 峰值輸出功率.....	20
4.2. 峰值輸出功率之量測圖.....	20
5. 頻帶邊緣之 RF 傳導發射之量測	21
6. 混附發射之 RF 傳導發射之量測	22
7. 功率密度之量測.....	28
7.1. 功率密度.....	28
7.2. 功率密度之量測圖.....	28

1. 電源線傳導干擾之量測

測試日期	2018/12/12	環境溫/濕度	22°C/61%
測試電壓	DC 5V (經筆記型電腦 USB 供電)		

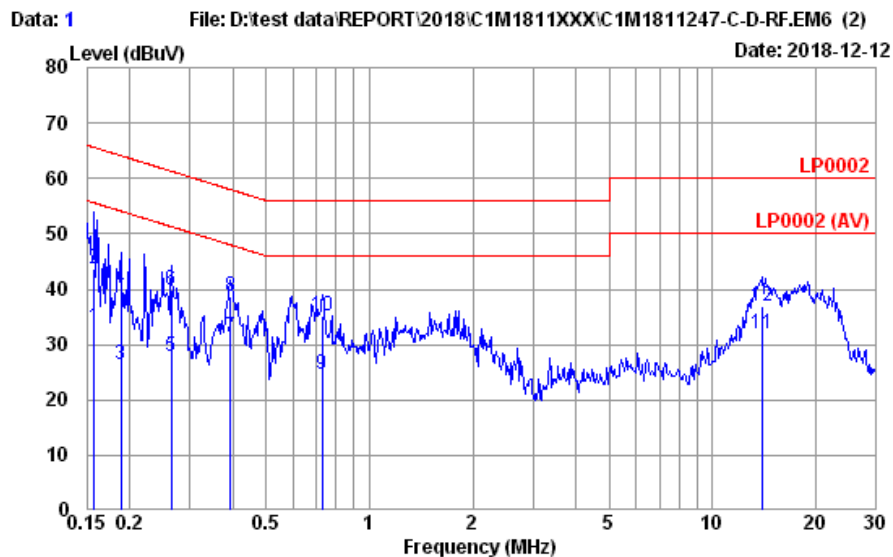


Site no. : No.8 Shielded Room Data no. : 2
 Condition : ENV4200 100169 LISN Phase : NEUTRAL
 Limit : LP0002
 Env. / Ins. : 22°C / 61% ESCI (0558) Engineer : Jemy
 EUT : WF-SP700N
 Power Rating : DC 5V(via USB)
 Test Mode : Operating

	Freq. (MHz)	AMN Factor (dB)	Cable Loss (dB)	Pulse Att. (dB)	Reading (dBμV)	Emission Level (dBμV)	Limits (dBμV)	Margin (dB)	Remark
1	0.153	10.57	0.03	9.98	7.17	27.75	55.82	28.07	Average
2	0.153	10.57	0.03	9.98	20.43	41.01	65.82	24.81	QP
3	0.215	10.51	0.03	9.98	0.53	21.05	53.01	31.96	Average
4	0.215	10.51	0.03	9.98	11.20	31.72	63.01	31.29	QP
5	0.406	10.43	0.04	9.98	14.28	34.73	47.73	13.00	Average
6	0.406	10.43	0.04	9.98	18.47	38.92	57.73	18.81	QP
7	0.743	10.42	0.05	9.99	5.83	26.29	46.00	19.71	Average
8	0.743	10.42	0.05	9.99	14.70	35.16	56.00	20.84	QP
9	1.249	10.43	0.06	9.99	7.81	28.29	46.00	17.71	Average
10	1.249	10.43	0.06	9.99	13.94	34.42	56.00	21.58	QP
11	14.364	12.45	0.23	10.05	7.45	30.18	50.00	19.82	Average
12	14.364	12.45	0.23	10.05	13.22	35.95	60.00	24.05	QP

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

測試日期	2018/12/12	環境溫/濕度	22°C/61%
測試電壓	DC 5V (經筆記型電腦 USB 供電)		



Site no. : No.8 Shielded Room Data no. : 1
Condition : ENV4200 100169 LISN Phase : LINE
Limit : LP0002
Env. / Ins. : 22°C / 61% ESCI (0558) Engineer : Jemy
EUT : WF-SP700N
Power Rating : DC 5V(via USB)
Test Mode : Operating

	Freq. (MHz)	AMN Factor (dB)	Cable Loss (dB)	Pulse Att. (dB)	Reading (dBμV)	Emission Level (dBμV)	Limits (dBμV)	Margin (dB)	Remark
1	0.157	10.62	0.03	9.98	12.42	33.05	55.60	22.55	Average
2	0.157	10.62	0.03	9.98	23.05	43.68	65.60	21.92	QP
3	0.188	10.57	0.03	9.98	5.94	26.52	54.11	27.59	Average
4	0.188	10.57	0.03	9.98	19.54	40.12	64.11	23.99	QP
5	0.264	10.52	0.03	9.98	7.24	27.77	51.29	23.52	Average
6	0.264	10.52	0.03	9.98	19.20	39.73	61.29	21.56	QP
7	0.393	10.45	0.04	9.98	10.83	31.30	47.99	16.69	Average
8	0.393	10.45	0.04	9.98	18.25	38.72	57.99	19.27	QP
9	0.727	10.44	0.05	9.99	4.16	24.64	46.00	21.36	Average
10	0.727	10.44	0.05	9.99	14.74	35.22	56.00	20.78	QP
11	13.989	12.39	0.22	10.04	9.24	31.89	50.00	18.11	Average
12	13.989	12.39	0.22	10.04	14.42	37.07	60.00	22.93	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)，實驗室對左右耳機以低、中、高頻率來進行量測，並將所有模式之掃頻圖隨案件所附。所得讀值資料請見章節 2.1~2.2：

模式	動作狀態	基本頻率	量測頻率範圍
充電	充電	---	30-1000MHz
BLE (左耳機)	發射	2402MHz*	30-1000MHz
			1000-3000MHz
			3000-8000MHz
			8000-18000MHz
			18000-25000MHz
		2440MHz	1000-3000MHz
			3000-8000MHz
			8000-18000MHz
			18000-25000MHz
		2480MHz	1000-3000MHz
			3000-8000MHz
			8000-18000MHz
			18000-25000MHz
	接收	2440MHz	30-1000MHz
			1000-3000MHz
			3000-8000MHz
			8000-18000MHz
			18000-25000MHz
BLE (右耳機)	發射	2402MHz*	30-1000MHz
			1000-3000MHz
			3000-8000MHz
			8000-18000MHz
			18000-25000MHz
		2440MHz	1000-3000MHz
			3000-8000MHz
			8000-18000MHz
			18000-25000MHz
		2480MHz	1000-3000MHz
			3000-8000MHz
			8000-18000MHz
			18000-25000MHz
	接收	2440MHz	30-1000MHz
			1000-3000MHz
			3000-8000MHz
			8000-18000MHz
			18000-25000MHz

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
BLE (左耳機)	發射	2402MHz	2310-2430MHz
		2480MHz	2450-2530MHz
BLE (右耳機)	發射	2402MHz	2310-2430MHz
		2480MHz	2450-2530MHz

測試日期	2019/01/29	環境溫/濕度	22°C/51%
測試電壓	(1)充電模式: DC 5V (經筆記型電腦 USB 供電) (2)發射/接收模式: DC 3.7V (經內建鋰電池供電)		

2.1. 30-1000MHz 頻率範圍，其他不必要發射量測

Mode	充電	Frequency	---
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Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
93.05	16.17	2.18	8.91	27.26	43.50	16.24	Peak
167.74	15.98	3.01	15.33	34.32	43.50	9.18	Peak
199.75	15.75	3.34	18.33	37.42	43.50	6.08	Peak
387.93	21.79	5.42	7.74	34.95	46.00	11.05	Peak
663.41	24.79	6.97	4.02	35.78	46.00	10.22	Peak
899.12	26.81	8.17	1.81	36.79	46.00	9.21	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
116.33	18.59	2.46	10.37	31.42	43.50	12.08	Peak
216.24	16.92	3.50	7.51	27.93	46.00	18.07	Peak
321.97	20.12	4.61	9.41	34.14	46.00	11.86	Peak
558.65	24.06	6.62	2.36	33.04	46.00	12.96	Peak
737.13	25.28	7.29	3.16	35.73	46.00	10.27	Peak
884.57	26.68	8.09	2.61	37.38	46.00	8.62	Peak

Mode	BLE (左耳機)	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
93.05	16.17	2.18	7.71	26.06	43.50	17.44	Peak
101.78	17.60	2.29	6.21	26.10	43.50	17.40	Peak
244.37	18.79	3.76	2.76	25.31	46.00	20.69	Peak
442.25	22.55	5.94	2.23	30.72	46.00	15.28	Peak
657.59	24.78	6.95	1.08	32.81	46.00	13.19	Peak
886.51	26.70	8.10	2.06	36.86	46.00	9.14	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
101.78	17.60	2.29	5.81	25.70	43.50	17.80	Peak
118.27	18.72	2.48	7.22	28.42	43.50	15.08	Peak
248.25	19.05	3.80	3.70	26.55	46.00	19.45	Peak
324.88	20.18	4.65	6.22	31.05	46.00	14.95	Peak
435.46	22.48	5.89	2.68	31.05	46.00	14.95	Peak
928.22	27.12	8.37	1.81	37.30	46.00	8.70	Peak

Mode	BLE (左耳機)	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
93.05	16.17	2.18	7.21	25.56	43.50	17.94	Peak
101.78	17.60	2.29	5.54	25.43	43.50	18.07	Peak
382.11	21.66	5.36	2.56	29.58	46.00	16.42	Peak
644.98	24.75	6.91	2.40	34.06	46.00	11.94	Peak
817.64	26.10	7.72	2.34	36.16	46.00	9.84	Peak
953.44	27.35	8.52	1.80	37.67	46.00	8.33	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
101.78	17.60	2.29	5.45	25.34	43.50	18.16	Peak
117.30	18.66	2.47	6.85	27.98	43.50	15.52	Peak
236.61	18.31	3.69	5.54	27.54	46.00	18.46	Peak
319.06	20.02	4.57	6.45	31.04	46.00	14.96	Peak
447.10	22.60	5.98	2.69	31.27	46.00	14.73	Peak
646.92	24.75	6.91	2.44	34.10	46.00	11.90	Peak

Mode	BLE (右耳機)	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
93.05	16.17	2.18	6.56	24.91	43.50	18.59	Peak
101.78	17.60	2.29	7.10	26.99	43.50	16.51	Peak
422.85	22.34	5.78	1.78	29.90	46.00	16.10	Peak
644.01	24.75	6.91	1.25	32.91	46.00	13.09	Peak
817.64	26.10	7.72	2.03	35.85	46.00	10.15	Peak
919.49	27.01	8.30	1.69	37.00	46.00	9.00	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
117.30	18.66	2.47	7.77	28.90	43.50	14.60	Peak
179.38	15.46	3.12	10.19	28.77	43.50	14.73	Peak
251.16	19.17	3.82	3.64	26.63	46.00	19.37	Peak
318.09	19.99	4.55	7.06	31.60	46.00	14.40	Peak
547.01	23.89	6.59	2.60	33.08	46.00	12.92	Peak
914.64	26.98	8.28	1.82	37.08	46.00	8.92	Peak

Mode	BLE (右耳機)	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
93.05	16.17	2.18	7.32	25.67	43.50	17.83	Peak
101.78	17.60	2.29	6.16	26.05	43.50	17.45	Peak
322.94	20.15	4.63	1.55	26.33	46.00	19.67	Peak
518.88	23.46	6.49	1.37	31.32	46.00	14.68	Peak
755.56	25.47	7.38	1.08	33.93	46.00	12.07	Peak
995.15	27.80	8.81	1.16	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
117.30	18.66	2.47	7.38	28.51	43.50	14.99	Peak
243.40	18.73	3.75	4.39	26.87	46.00	19.13	Peak
323.91	20.18	4.65	7.39	32.22	46.00	13.78	Peak
621.70	24.69	6.82	1.28	32.79	46.00	13.21	Peak
845.77	26.33	7.87	1.62	35.82	46.00	10.18	Peak
938.89	27.22	8.43	1.98	37.63	46.00	8.37	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。

Mode	BLE (左耳機)	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	34.22	11.42	4.39	50.03	54.00	3.97	Average
4805.00	34.22	11.42	8.56	54.20	74.00	19.80	Peak
7205.00	35.80	15.36	-4.06	47.10	54.00	6.90	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	34.22	11.42	7.35	52.99	54.00	1.01	Peak
7205.00	35.80	15.36	-2.96	48.20	54.00	5.80	Peak

Mode	BLE (左耳機)	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	34.25	13.00	4.77	52.02	54.00	1.98	Average
4880.00	34.25	13.00	8.81	56.06	74.00	17.94	Peak
7320.00	35.80	15.47	-4.33	46.94	54.00	7.06	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
4880.00	34.25	13.00	5.95	53.20	54.00	0.80	Peak
7320.00	35.80	15.47	-3.66	47.61	54.00	6.39	Peak

Mode	BLE (左耳機)	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	34.29	13.21	4.51	52.01	54.00	1.99	Average
4960.00	34.29	13.21	8.54	56.04	74.00	17.96	Peak
7440.00	35.80	15.58	-5.10	46.28	54.00	7.72	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	34.29	13.21	3.61	51.11	54.00	2.89	Peak
7440.00	35.80	15.58	-5.15	46.23	54.00	7.77	Peak

Mode	BLE (右耳機)	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	34.22	11.42	5.44	51.08	54.00	2.92	Average
4805.00	34.22	11.42	9.02	54.66	74.00	19.34	Peak
7205.00	35.80	15.36	-4.21	46.95	54.00	7.05	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	34.22	11.42	5.51	51.15	54.00	2.85	Peak
7205.00	35.80	15.36	-3.99	47.17	54.00	6.83	Peak

Mode	BLE (右耳機)	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	34.25	13.00	5.47	52.72	54.00	1.28	Average
4880.00	34.25	13.00	9.00	56.25	74.00	17.75	Peak
7320.00	35.80	15.47	-4.36	46.91	54.00	7.09	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	34.25	13.00	5.37	52.62	54.00	1.38	Peak
7320.00	35.80	15.47	-4.36	46.91	54.00	7.09	Peak

Mode	BLE (右耳機)	Frequency	TX 2480MHz
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Antenna at Horizontal Polarization

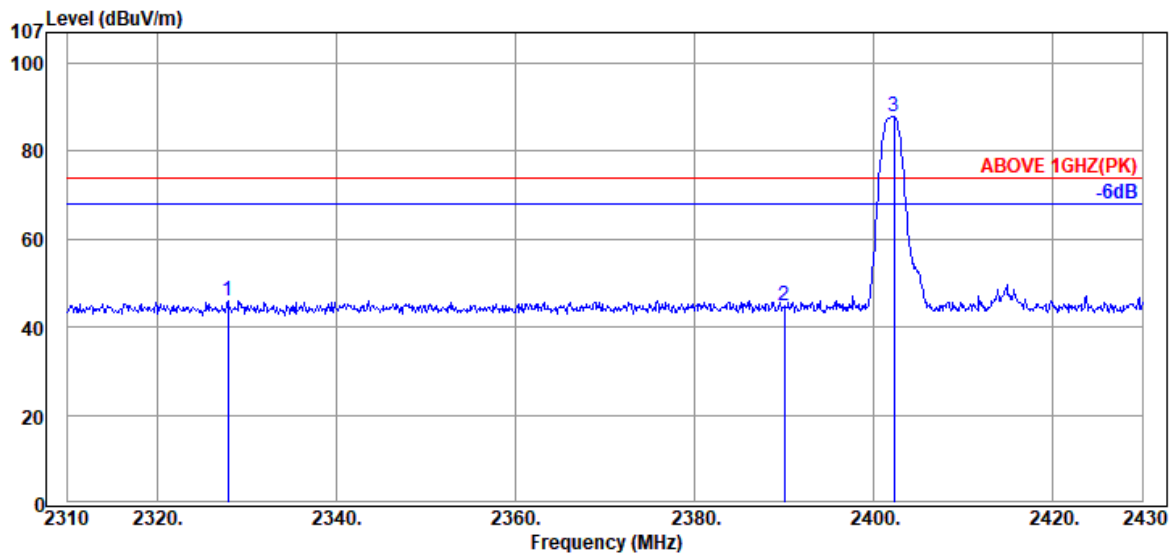
Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
4960.00	34.29	13.21	5.45	52.95	54.00	1.05	Average
4960.00	34.29	13.21	9.48	56.98	74.00	17.02	Peak
7440.00	35.80	15.58	-5.42	45.96	54.00	8.04	Peak

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	34.29	13.21	5.63	53.13	54.00	0.87	Peak
7440.00	35.80	15.58	-3.34	48.04	54.00	5.96	Peak

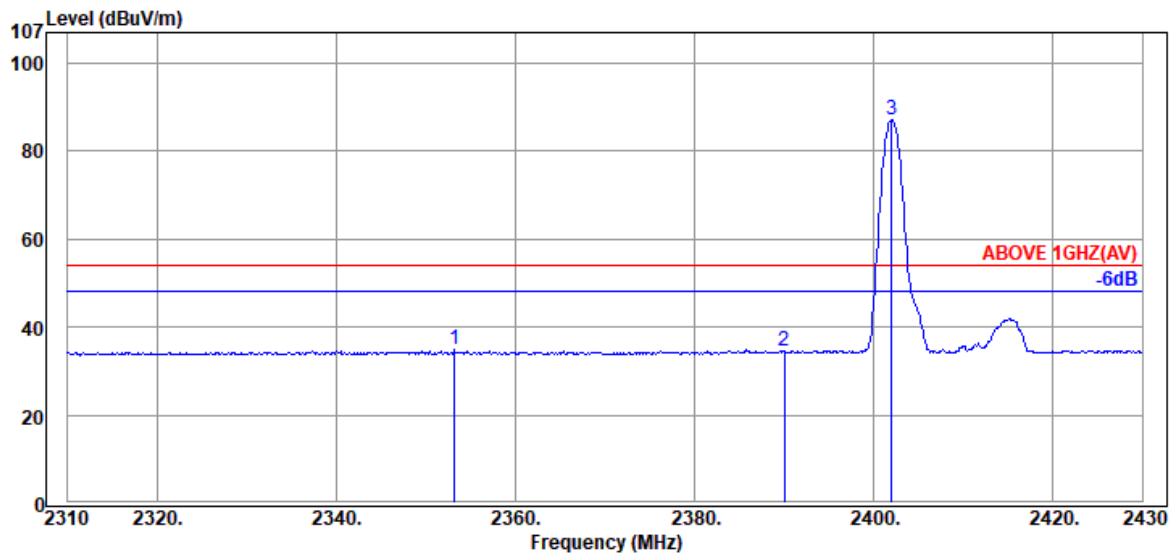
2.3. 禁用頻帶量測結果 (其他不必要發射)

Mode	BLE (左耳機)	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
2327.88	32.06	7.79	6.27	46.12	74.00	27.88	Peak
2390.04	32.16	7.92	4.72	44.80	74.00	29.20	Peak
@ 2402.28	32.16	7.92	47.97	88.05	---	---	Peak

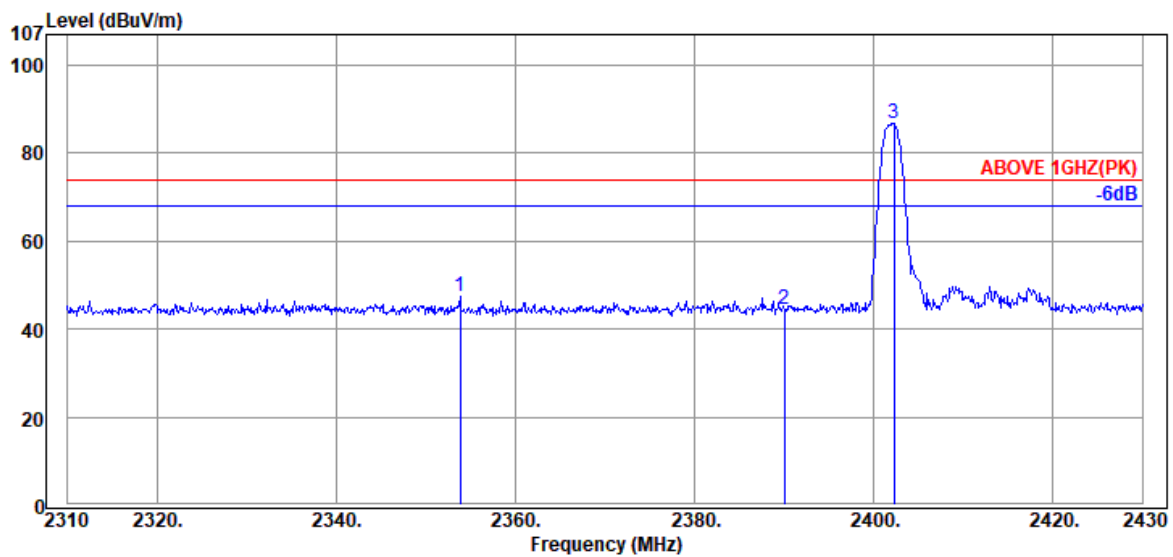


Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
2353.20	32.11	7.86	-5.19	34.78	54.00	19.22	Average
2390.04	32.16	7.92	-5.50	34.58	54.00	19.42	Average
@ 2402.04	32.16	7.92	47.03	87.11	---	---	Average

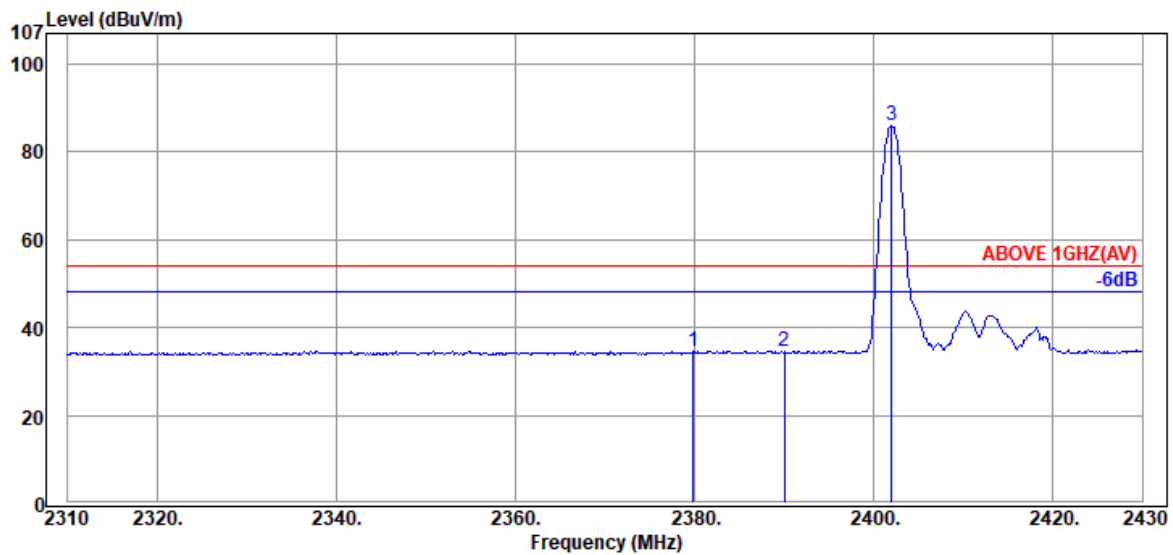
備註：“@”為主波，在此章節是不予以判定。

Mode	BLE (左耳機)	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
2353.80	32.11	7.86	7.31	47.28	74.00	26.72	Peak
2390.04	32.16	7.92	4.46	44.54	74.00	29.46	Peak
@ 2402.28	32.16	7.92	46.74	86.82	---	---	Peak

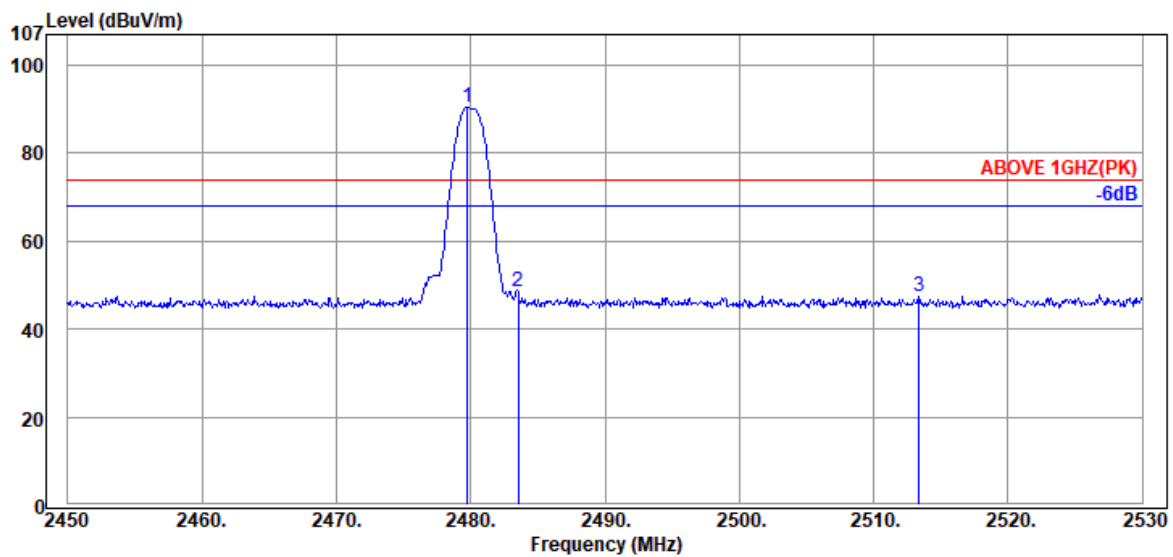


Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
2379.84	32.13	7.89	-5.31	34.71	54.00	19.29	Average
2390.04	32.16	7.92	-5.61	34.47	54.00	19.53	Average
@ 2402.04	32.16	7.92	45.84	85.92	---	---	Average

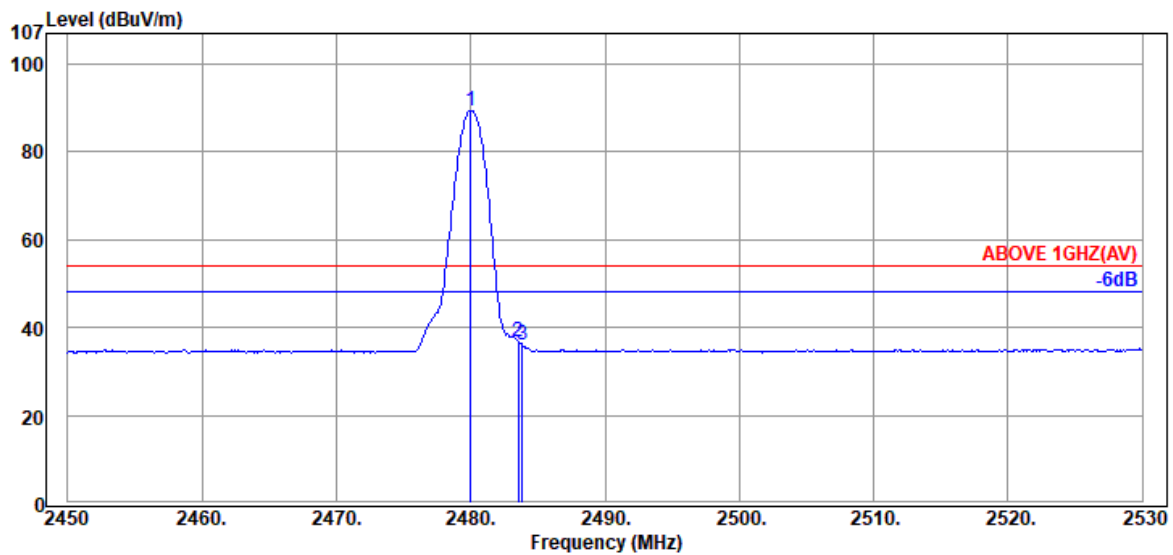
備註：“@”為主波，在此章節是不予以判定。

Mode	BLE (左耳機)	Frequency	TX 2480MHz
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Antenna at Horizontal Polarization

	Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@	2479.76	32.28	7.90	50.28	90.46	---	---	Peak
	2483.52	32.28	7.90	8.54	48.72	74.00	25.28	Peak
	2513.36	32.32	7.94	7.30	47.56	74.00	26.44	Peak

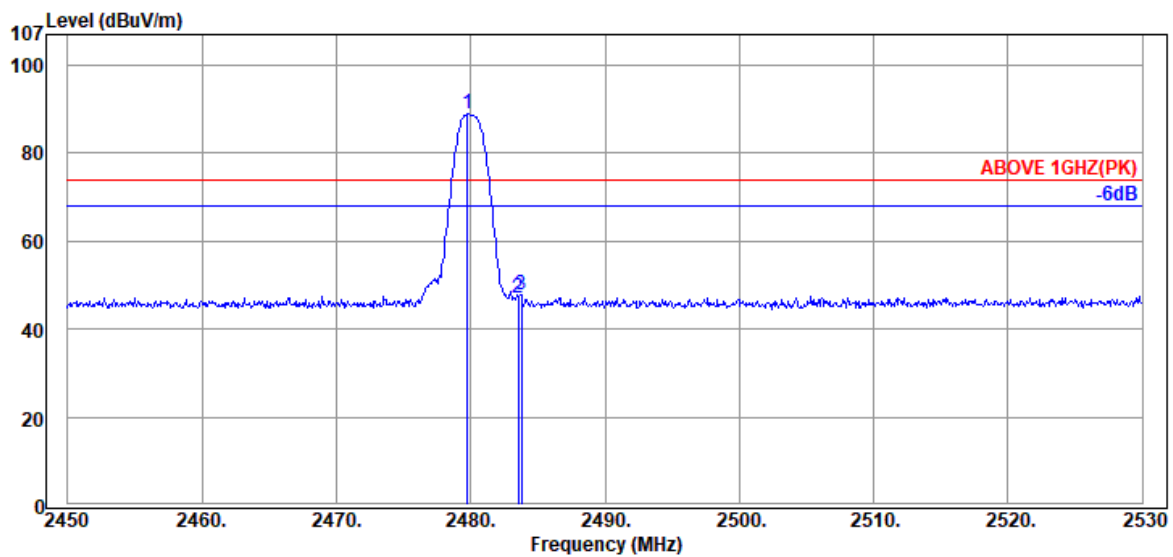


Antenna at Horizontal Polarization

	Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@	2480.00	32.28	7.90	49.35	89.53	---	---	Average
	2483.52	32.28	7.90	-3.30	36.88	54.00	17.12	Average
	2483.84	32.28	7.90	-4.12	36.06	54.00	17.94	Average

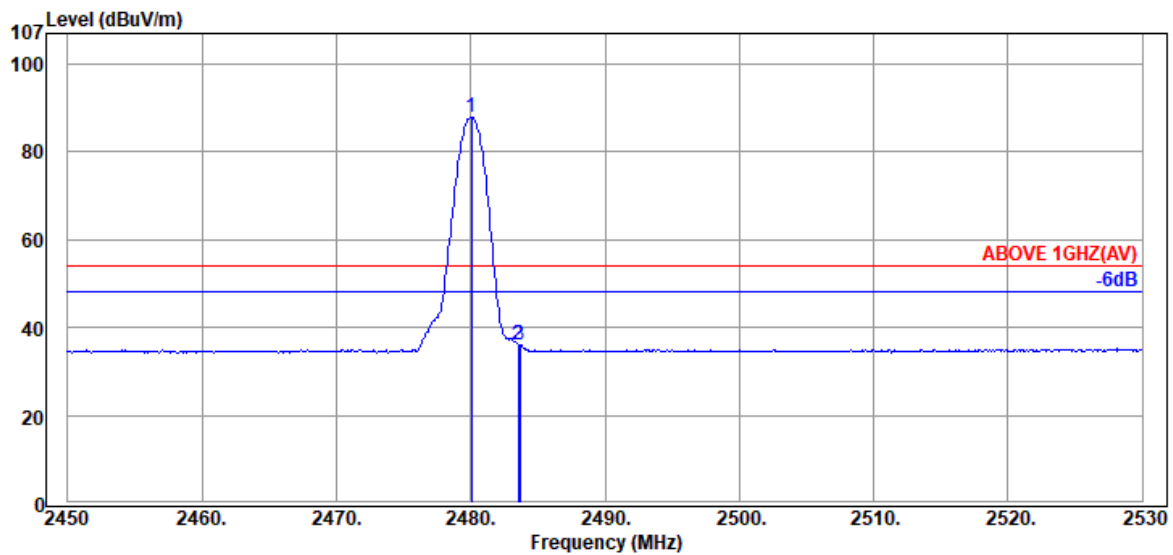
備註：“@”為主波，在此章節是不予以判定。

Mode	BLE (左耳機)	Frequency	TX 2480MHz
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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
@	2479.76	32.28	7.90	48.69	88.87	---	---	Peak
	2483.52	32.28	7.90	7.02	47.20	74.00	26.80	Peak
	2483.76	32.28	7.90	7.76	47.94	74.00	26.06	Peak

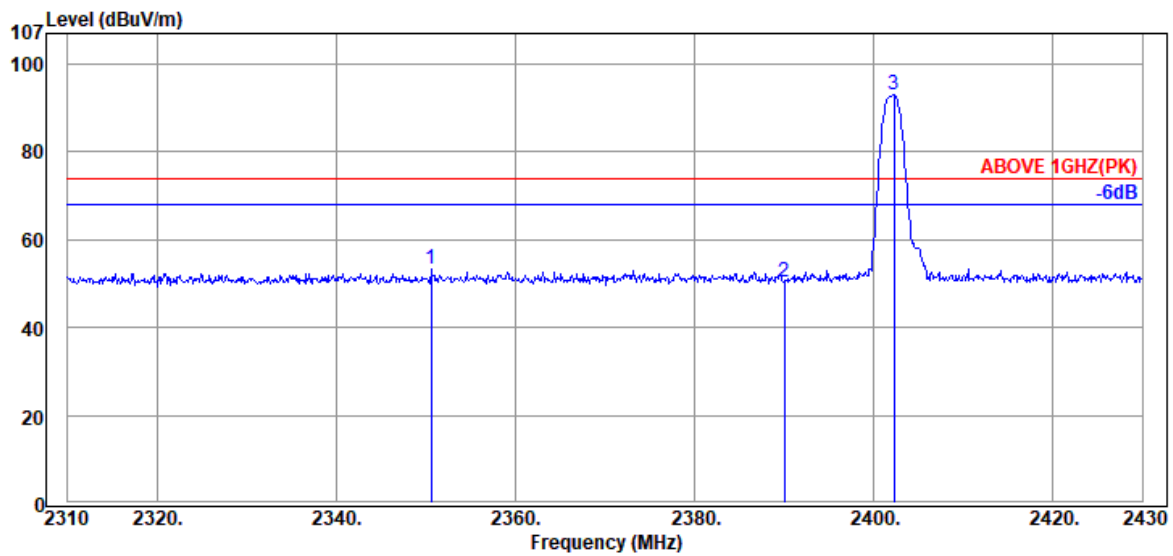


Antenna at Vertical Polarization

	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
@	2480.08	32.28	7.90	47.83	88.01	---	---	Average
	2483.52	32.28	7.90	-3.98	36.20	54.00	17.80	Average
	2483.68	32.28	7.90	-4.23	35.95	54.00	18.05	Average

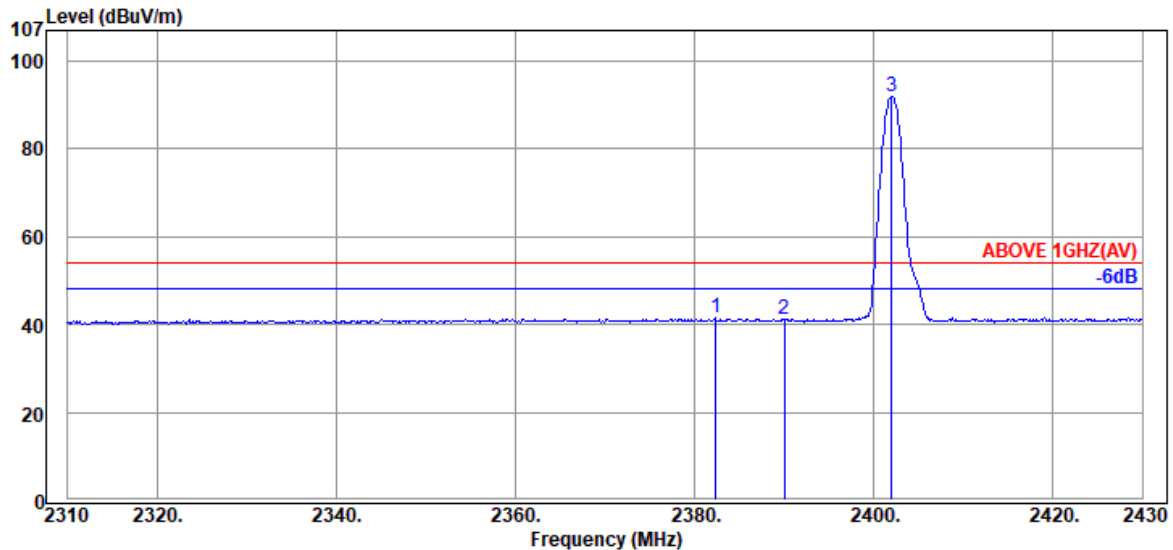
備註：“@”為主波，在此章節是不予以判定。

Mode	BLE (右耳機)	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
2350.56	32.08	7.82	13.55	53.45	74.00	20.55	Peak
2390.04	32.16	7.92	10.28	50.36	74.00	23.64	Peak
@ 2402.28	32.16	7.92	52.86	92.94	---	---	Peak

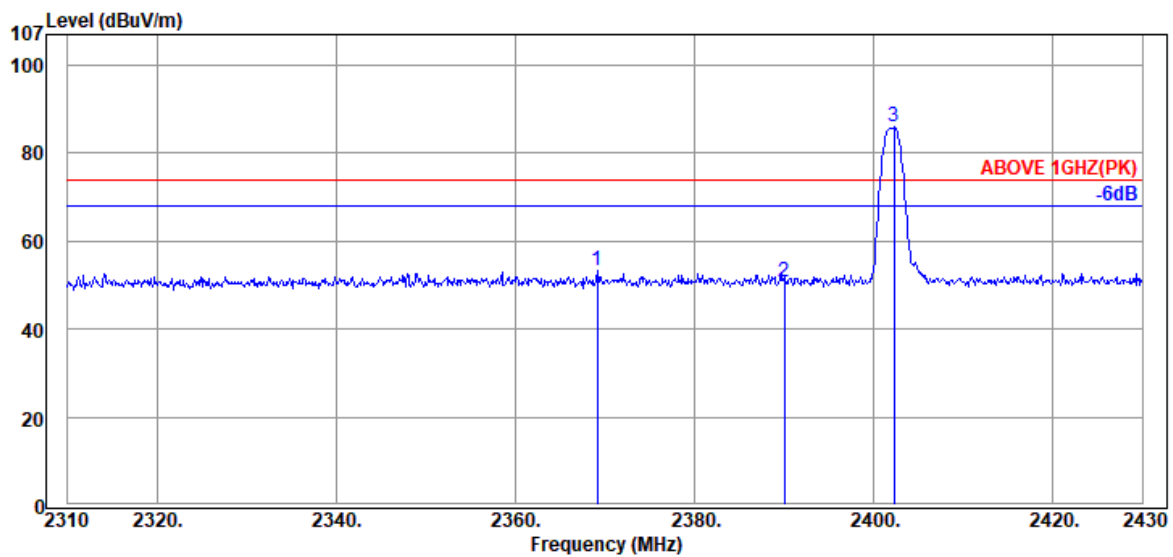


Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
2382.36	32.13	7.89	1.45	41.47	54.00	12.53	Average
2390.04	32.16	7.92	1.00	41.08	54.00	12.92	Average
@ 2402.04	32.16	7.92	51.95	92.03	---	---	Average

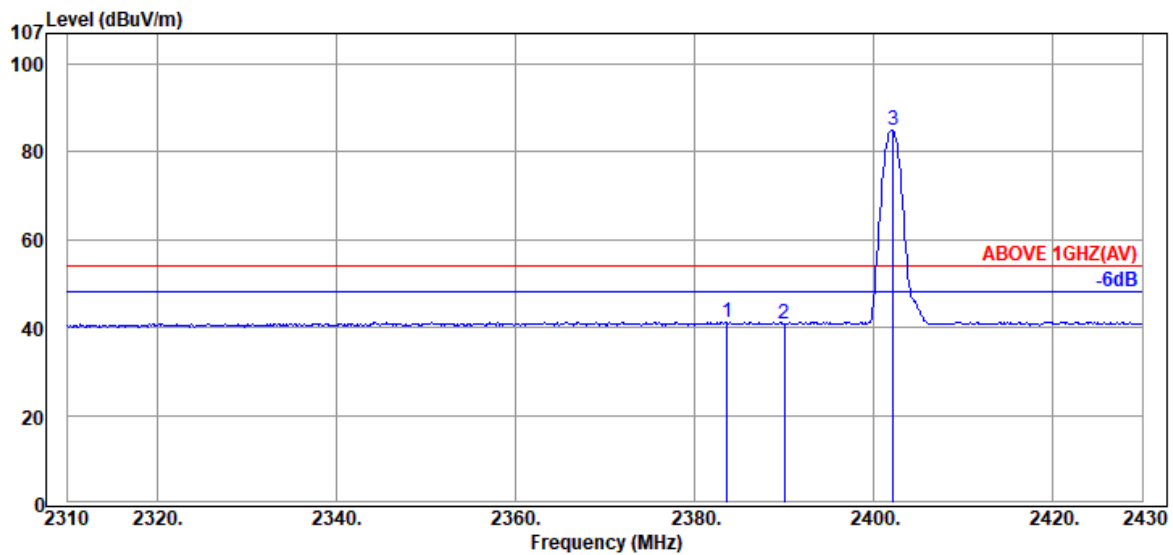
備註：“@”為主波，在此章節是不予以判定。

Mode	BLE (右耳機)	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
2369.16	32.13	7.89	13.18	53.20	74.00	20.80	Peak
2390.04	32.16	7.92	10.78	50.86	74.00	23.14	Peak
@ 2402.28	32.16	7.92	45.88	85.96	---	---	Peak

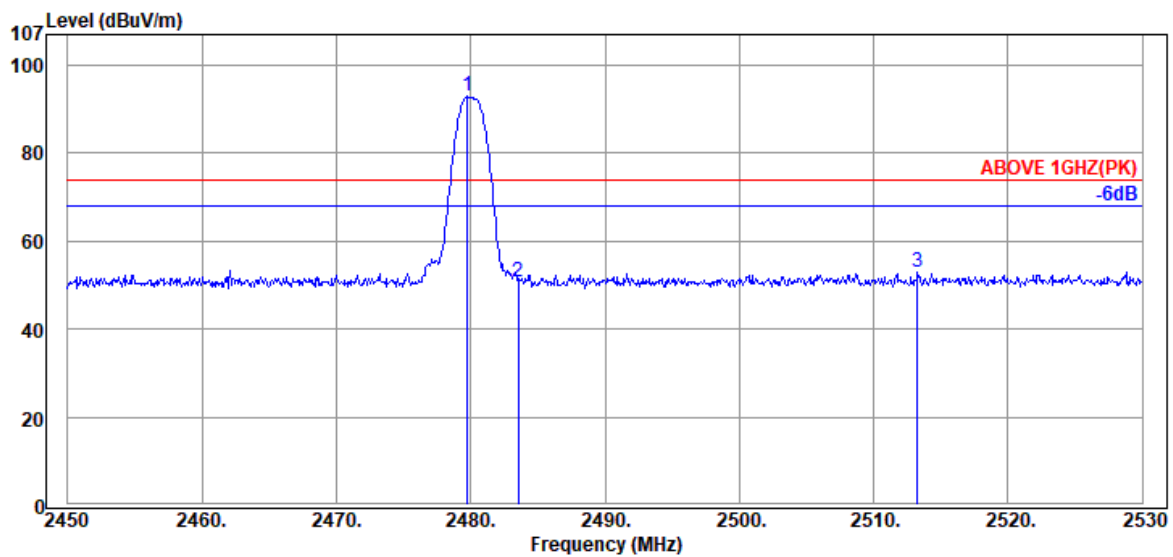


Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
2383.68	32.13	7.89	1.33	41.35	54.00	12.65	Average
2390.04	32.16	7.92	0.75	40.83	54.00	13.17	Average
@ 2402.16	32.16	7.92	44.93	85.01	---	---	Average

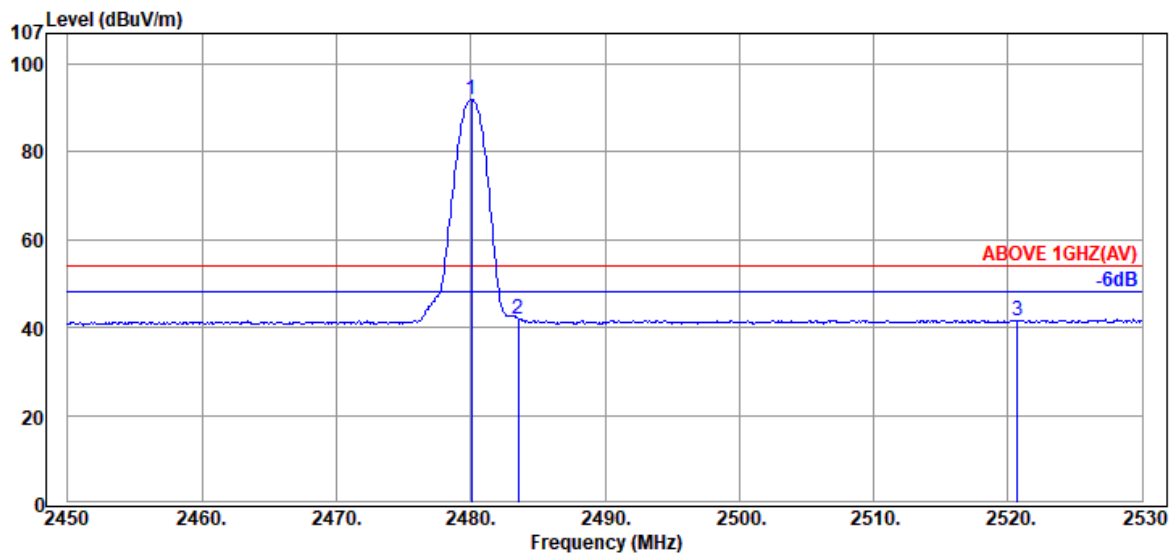
備註：“@”為主波，在此章節是不予以判定。

Mode	BLE (右耳機)	Frequency	TX 2480MHz
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Antenna at Horizontal Polarization

	Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@	2479.76	32.28	7.90	52.68	92.86	---	---	Peak
	2483.52	32.28	7.90	10.74	50.92	74.00	23.08	Peak
	2513.28	32.32	7.94	12.86	53.12	74.00	20.88	Peak

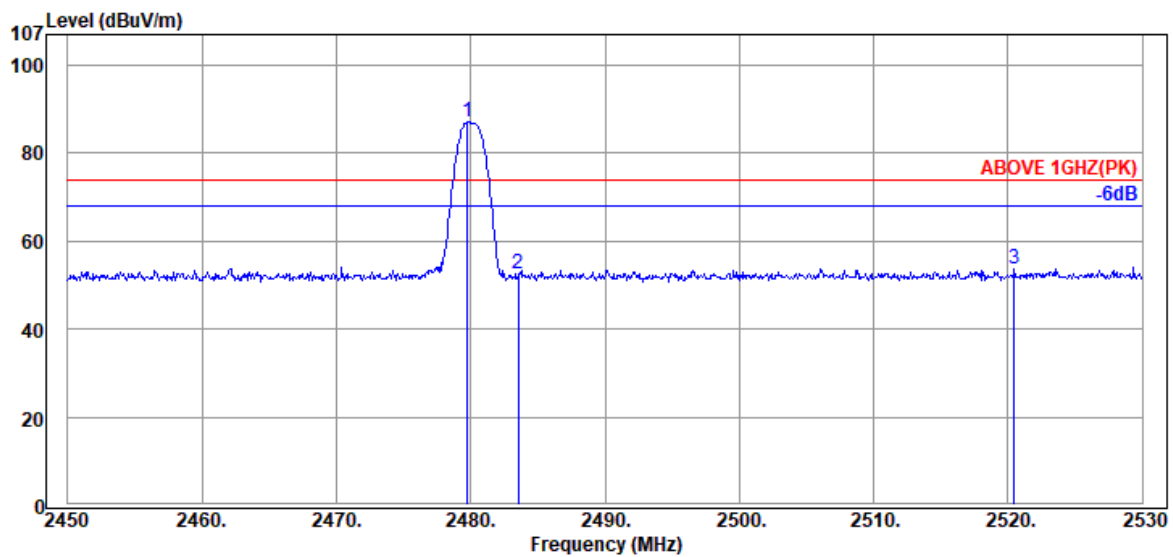


Antenna at Horizontal Polarization

	Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@	2480.08	32.28	7.90	51.81	91.99	---	---	Average
	2483.52	32.28	7.90	1.92	42.10	54.00	11.90	Average
	2520.72	32.32	7.94	1.43	41.69	54.00	12.31	Average

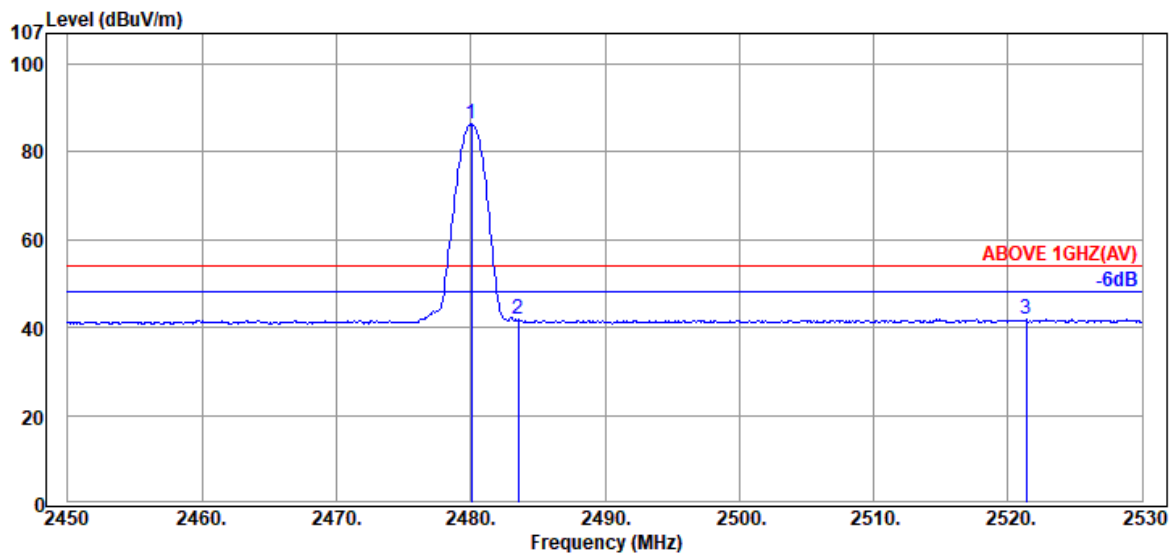
備註：“@”為主波，在此章節是不予以判定。

Mode	BLE (右耳機)	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	32.28	7.90	46.95	87.13	---	---	Peak
	2483.52	32.28	7.90	12.23	52.41	74.00	21.59	Peak
	2520.48	32.32	7.94	13.44	53.70	74.00	20.30	Peak



Antenna at Vertical Polarization

	Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@	2480.08	32.28	7.90	46.06	86.24	---	---	Average
	2483.52	32.28	7.90	1.60	41.78	54.00	12.22	Average
	2521.36	32.32	7.94	1.59	41.85	54.00	12.15	Average

備註：“@”為主波，在此章節是不予以判定。

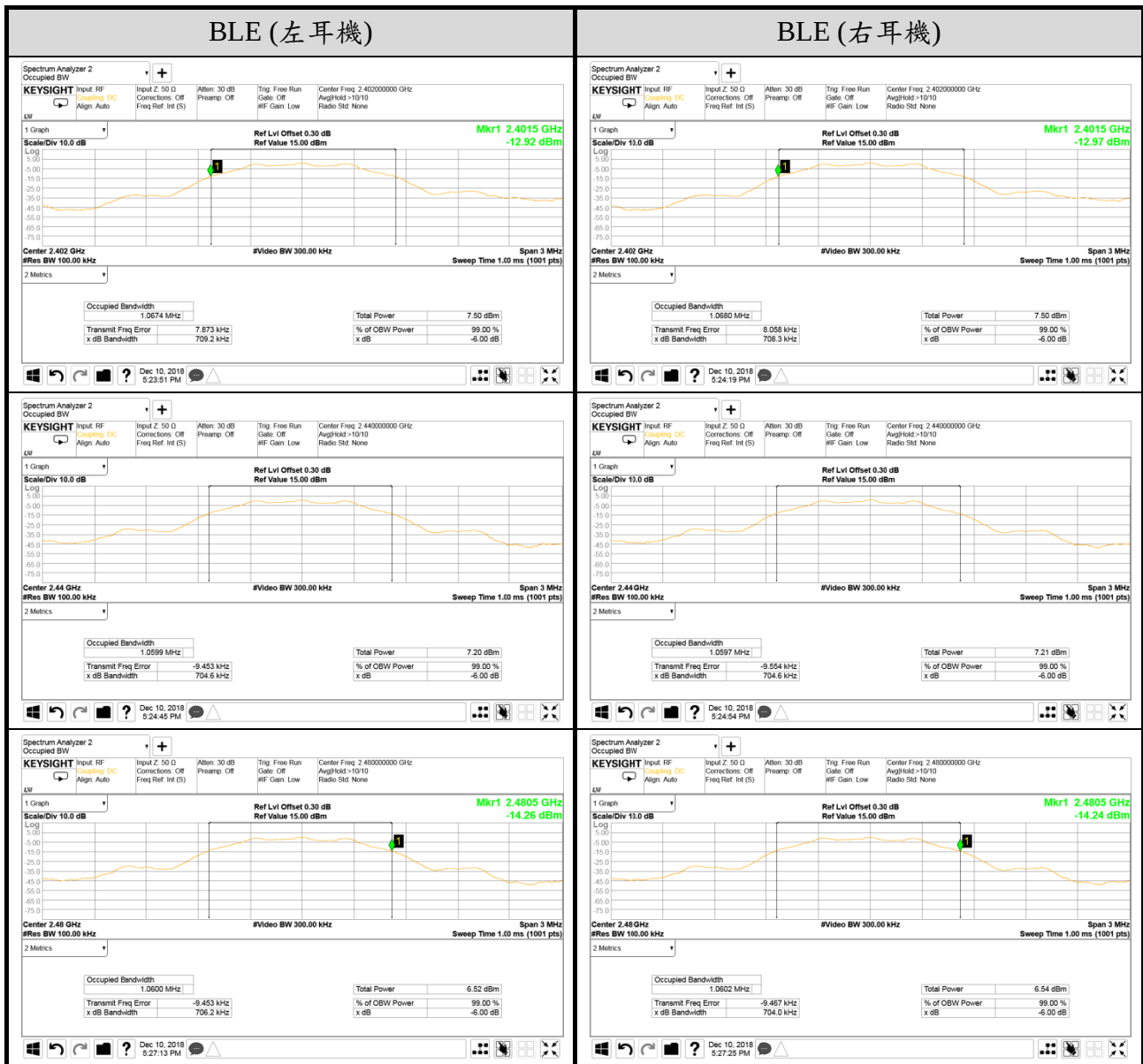
3. 發射頻寬之量測

測試日期	2018/12/10	環境溫/濕度	24°C/50%
測試電壓	DC 3.7V (經內建鋰電池供電)		

3.1. 發射頻寬

模式	測試頻率 (MHz)	6dB 頻寬 (MHz)	限制值 (kHz)
BLE (左耳機)	2402	0.7092	>500
	2440	0.7046	
	2480	0.7062	
BLE (右耳機)	2402	0.7083	>500
	2440	0.7046	
	2480	0.7040	

3.2. 發射頻寬之量測圖



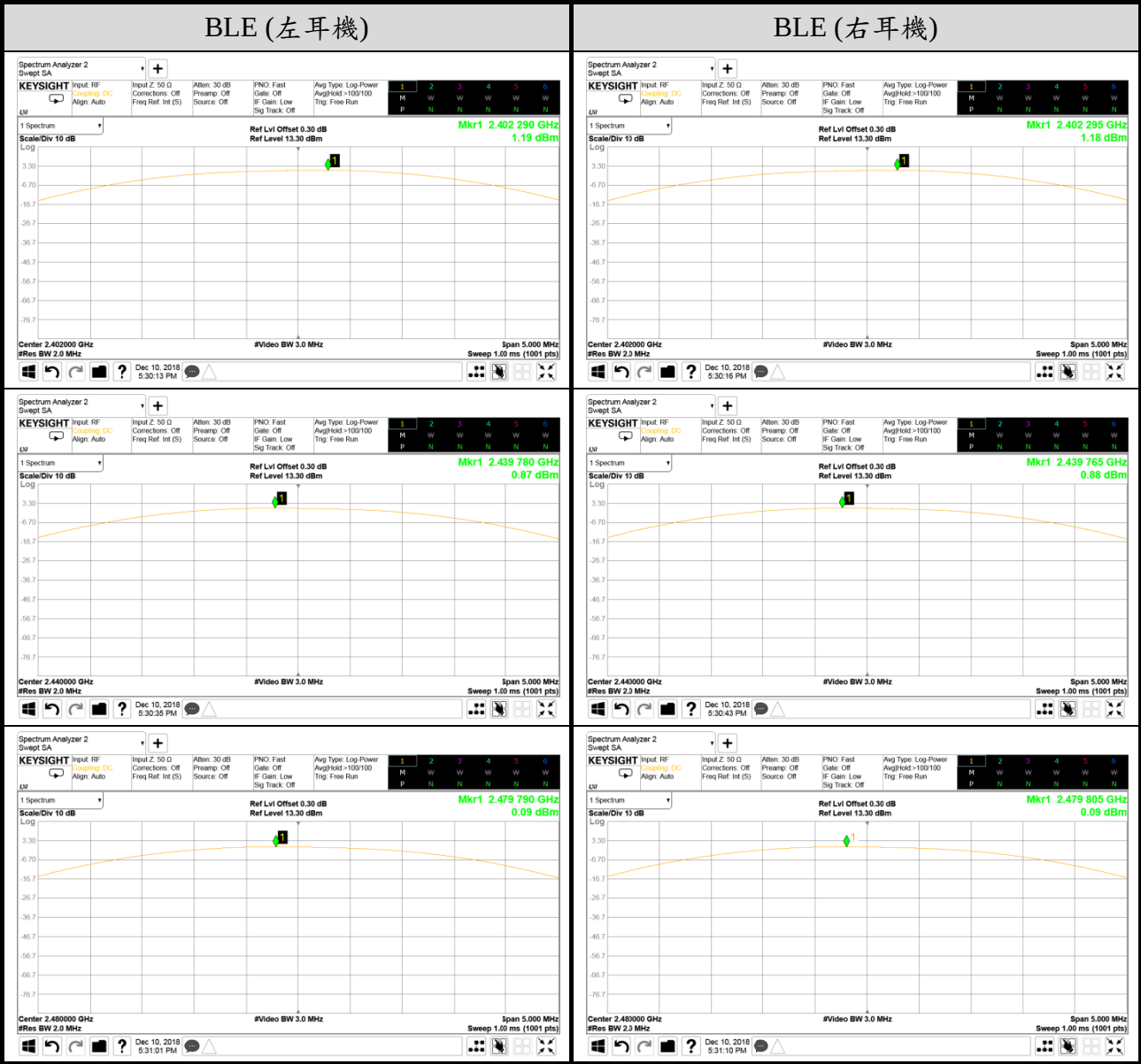
4. 峰值輸出功率之量測

測試日期	2018/12/10	環境溫/濕度	24°C/50%
測試電壓	DC 3.7V (經內建鋰電池供電)		

4.1. 峰值輸出功率

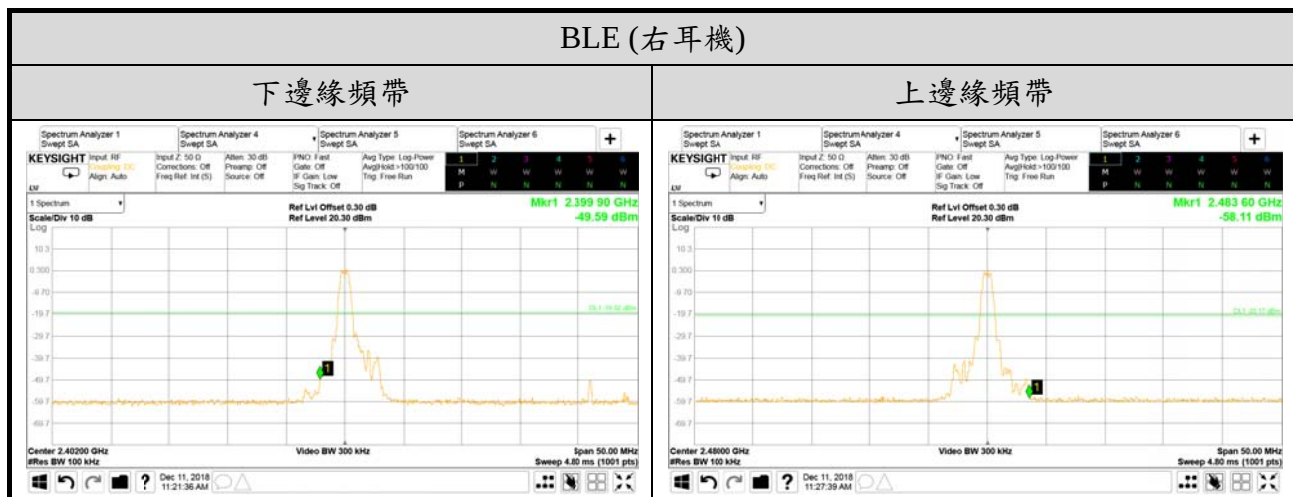
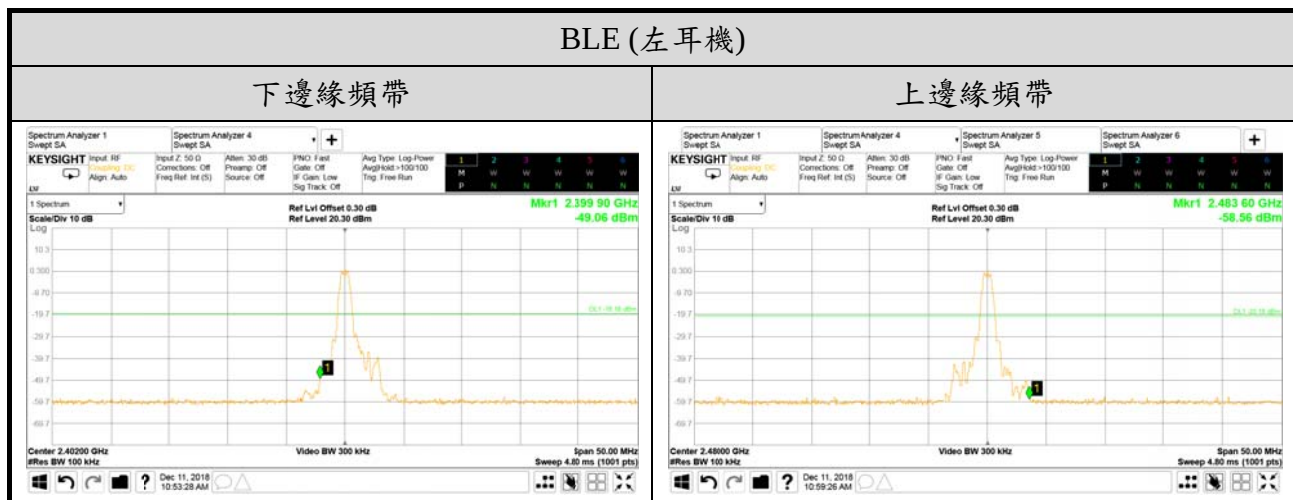
模式	測試頻率 (MHz)	Peak 輸出功率(dBm)	限制值 (dBm)
BLE (左耳機)	2402	1.19	30
	2440	0.87	
	2480	0.09	
BLE (右耳機)	2402	1.18	30
	2440	0.88	
	2480	0.09	

4.2. 峰值輸出功率之量測圖



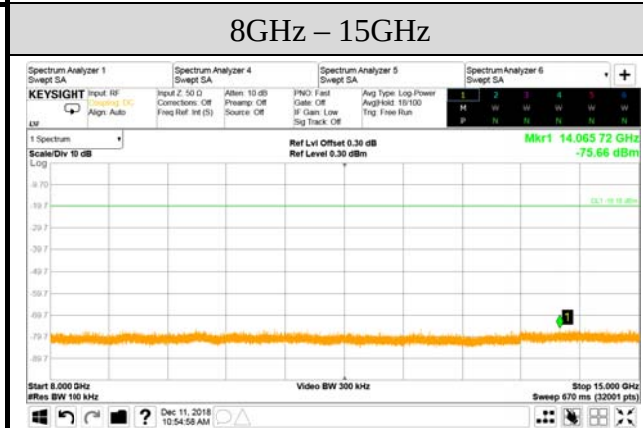
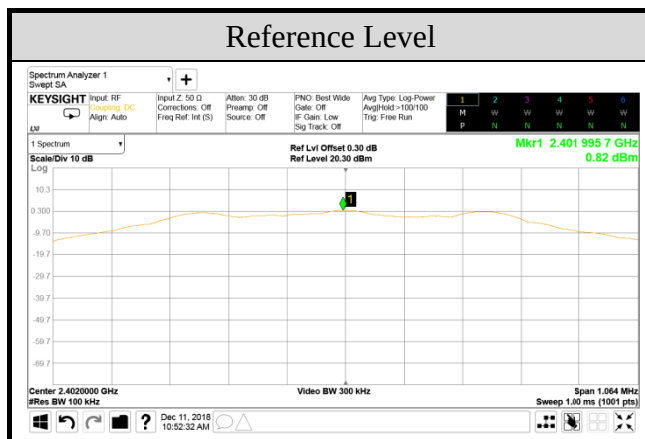
5. 頻帶邊緣之 RF 傳導發射之量測

測試日期	2018/12/11	環境溫/濕度	22°C/53%
測試電壓	DC 3.7V (經內建鋰電池供電)		

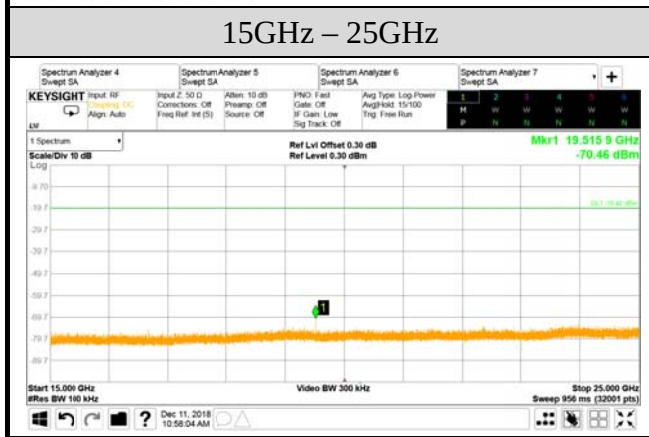
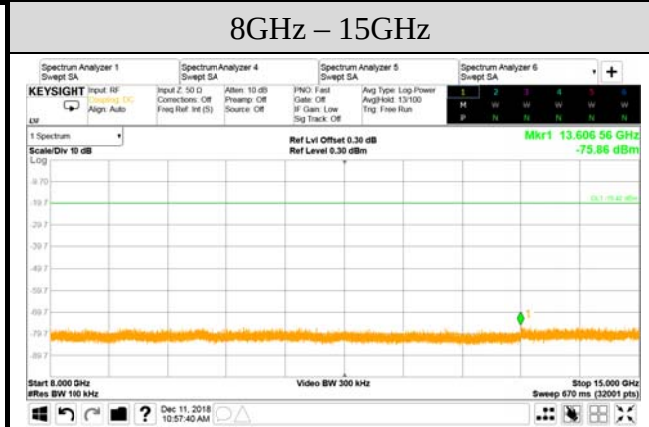
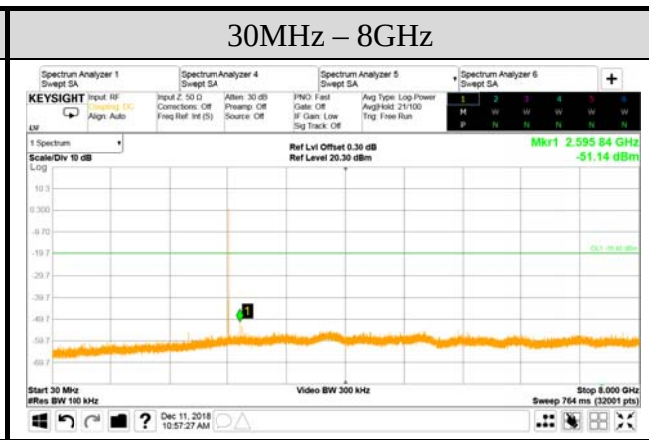
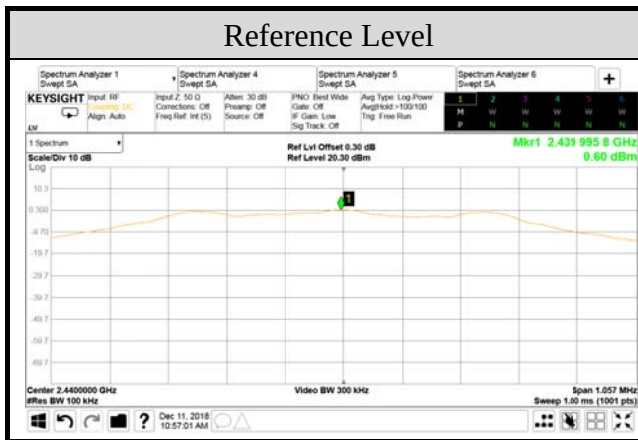


6. 混附發射之 RF 傳導發射之量測

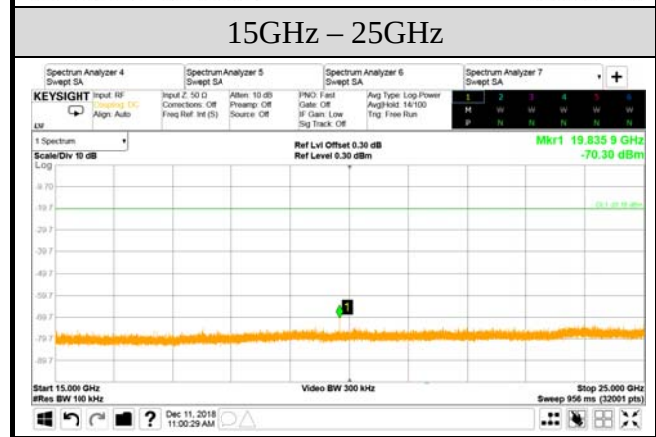
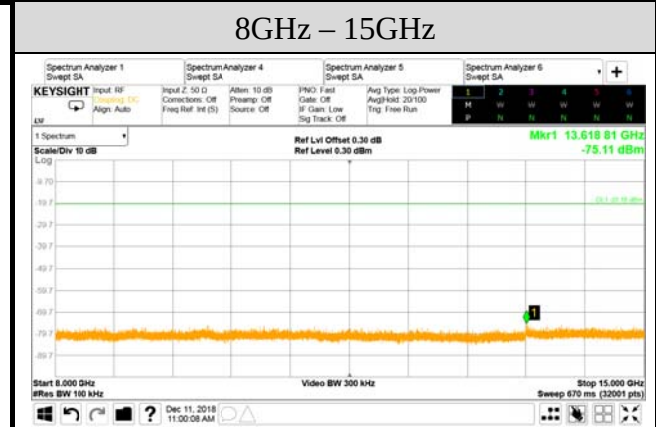
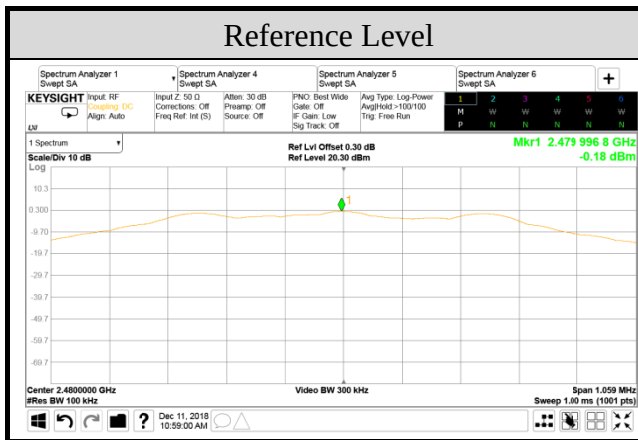
測試日期	2018/12/11	環境溫/濕度	22°C/53%
測試電壓	DC 3.7V (經內建鋰電池供電)	模式	BLE (左耳機)
		測試頻率	2402MHz



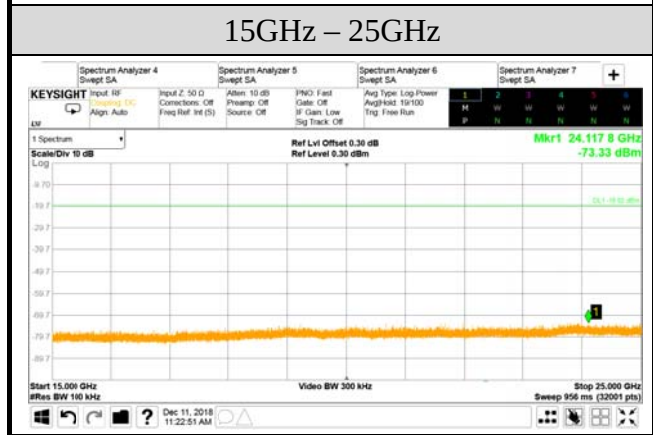
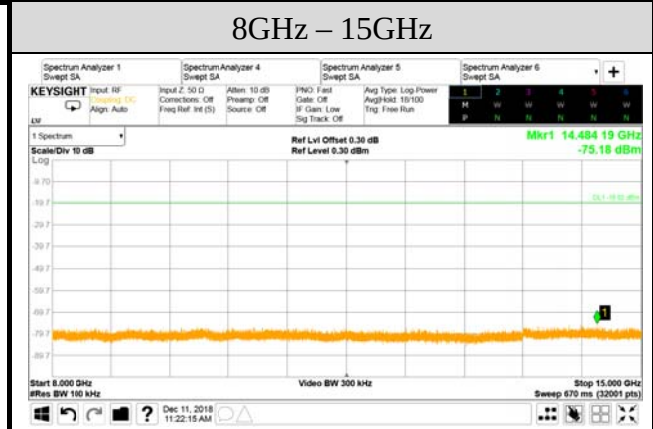
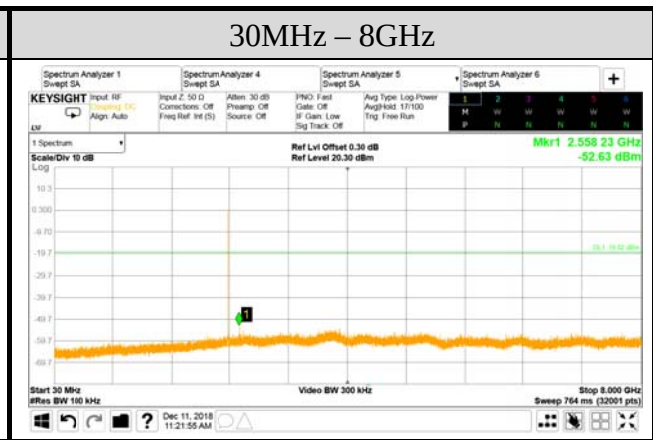
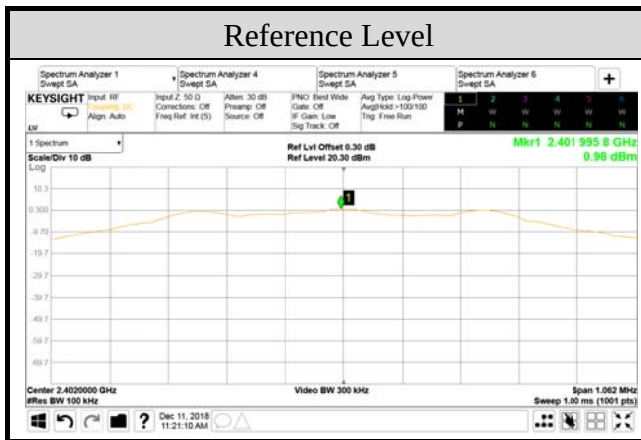
測試日期	2018/12/11	環境溫/濕度	22°C/53%
測試電壓	DC 3.7V (經內建鋰電池供電)	模式	BLE (左耳機)
		測試頻率	2440MHz



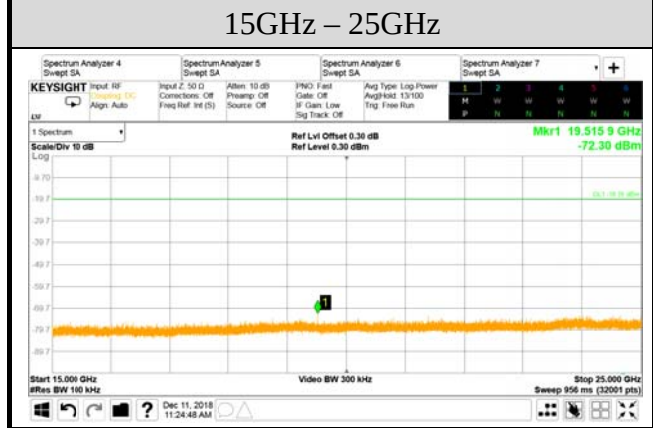
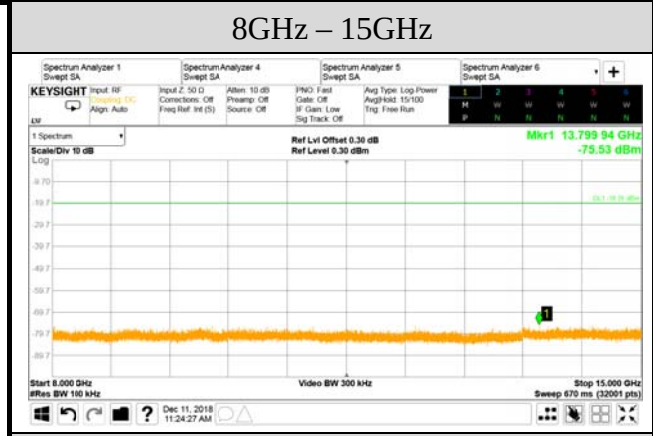
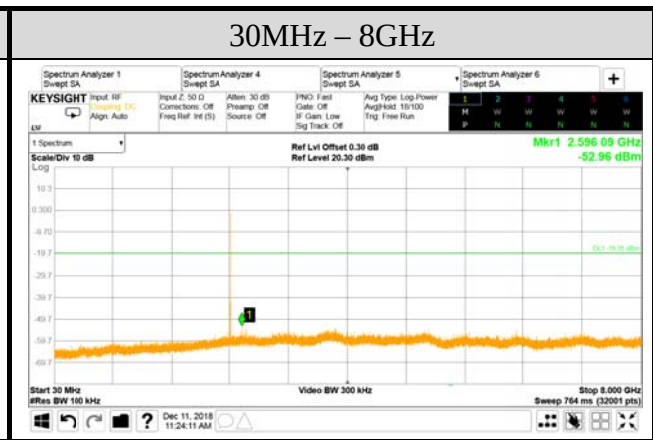
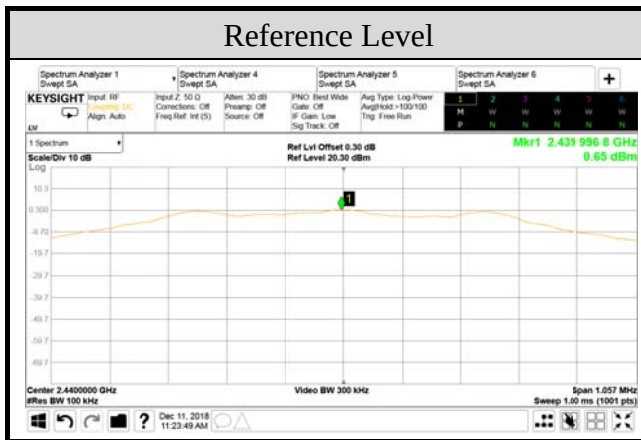
測試日期	2018/12/11	環境溫/濕度	22°C/53%
測試電壓	DC 3.7V (經內建鋰電池供電)	模式	BLE (左耳機)
		測試頻率	2480MHz



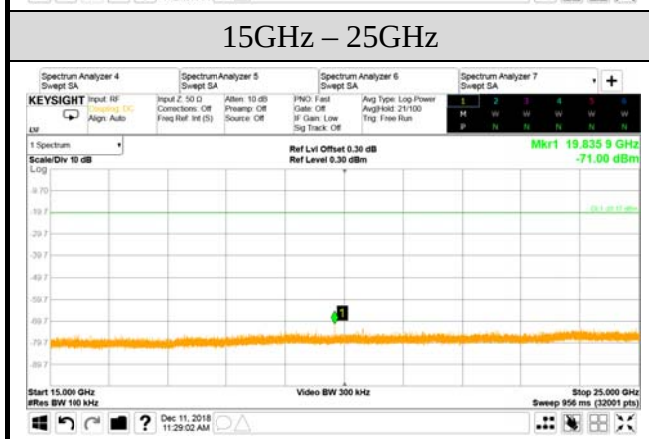
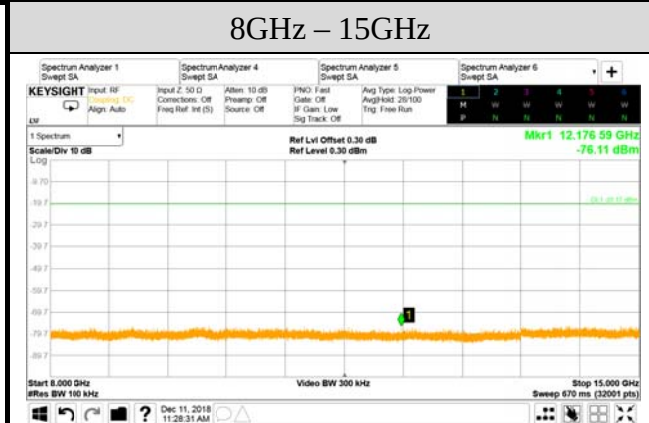
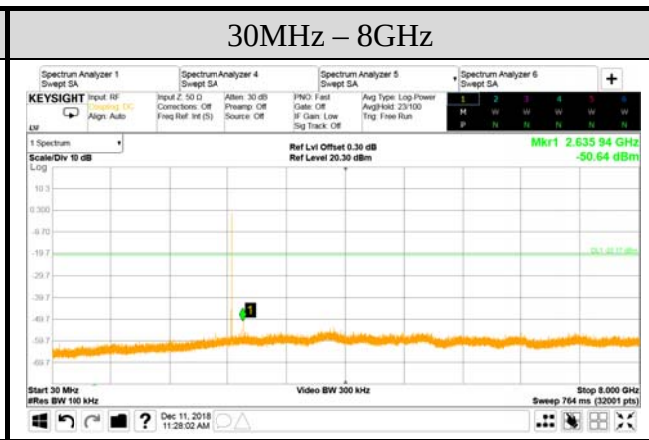
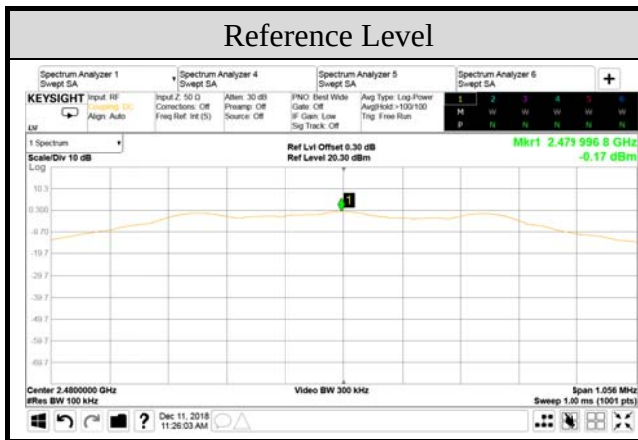
測試日期	2018/12/11	環境溫/濕度	22°C/53%
測試電壓	DC 3.7V (經內建鋰電池供電)	模式	BLE (右耳機)
		測試頻率	2402MHz



測試日期	2018/12/11	環境溫/濕度	22°C/53%
測試電壓	DC 3.7V (經內建鋰電池供電)	模式	BLE (右耳機)
		測試頻率	2440MHz



測試日期	2018/12/11	環境溫/濕度	22°C/53%
測試電壓	DC 3.7V (經內建鋰電池供電)	模式	BLE (右耳機)
		測試頻率	2480MHz



7. 功率密度之量測

測試日期	2018/12/11	環境溫/濕度	22°C/53%
測試電壓	DC 3.7V (經內建鋰電池供電)		

7.1. 功率密度

模式	測試頻率 (MHz)	功率密度 (dBm)	限制值 (dBm)
BLE (左耳機)	2402	0.82	8
	2440	0.60	
	2480	-0.18	
BLE (右耳機)	2402	0.98	8
	2440	0.65	
	2480	-0.17	

註：測試結果係依照 FCC 公告之 KDB558074 D01V05，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

