

附錄一

受測裝置之測試結果

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1. 場強輻射之量測

本裝置有兩種電源供應模式分別為(1)電池(DC 3.7V)、(2)充電盒(DC 5V)，實驗室以單機(電池供電)分別以三種不同的擺設方式(站立、側立、平放)及搭配充電盒(USB, DC 5V)供電進行量試評估，最後選取最大場強值的擺設方式(站立)電池供電以低、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 1.1 ~ 1.2：

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

註: *: 經評估後，以最差頻率進行 30-1000MHz 量測。

對受測物裝置落於技術規範第 2.7 章節的禁用頻率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 1.3。

模式	動作狀態	基本頻率	量測頻率範圍
BLE	發射 (左耳機 L)	2402MHz (CH37)	2310-2410MHz
		2480MHz (CH39)	2430-2530MHz
	發射 (右耳機 R)	2402MHz (CH37)	2310-2410MHz
		2480MHz (CH39)	2430-2530MHz

測試日期	2019/08/12	環境溫/濕度	23-25°C/48-51%
測試電壓	(1)DC 3.7V (透過內建鋰電池供電), (2)DC 5V (透過充電座供電)		

1.1. 30-1000MHz 頻率範圍，其他不必要發射量測

Mode	充電	Frequency	---
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Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
32.91	23.73	1.25	1.79	26.77	40.00	13.23	Peak
167.74	16.05	3.10	9.76	28.91	43.50	14.59	Peak
216.24	17.15	3.60	6.30	27.05	46.00	18.95	Peak
263.77	19.08	4.08	5.74	28.90	46.00	17.10	Peak
312.27	20.07	4.63	12.99	37.69	46.00	8.31	Peak
337.49	20.79	5.02	5.85	31.66	46.00	14.34	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
35.82	21.86	1.31	2.11	25.28	40.00	14.72	Peak
134.76	17.85	2.71	1.60	22.16	43.50	21.34	Peak
256.98	18.96	4.01	1.84	24.81	46.00	21.19	Peak
500.45	23.72	6.75	1.62	32.09	46.00	13.91	Peak
759.44	26.10	7.69	2.11	35.90	46.00	10.10	Peak
970.90	27.87	8.87	1.23	37.97	54.00	16.03	Peak

Mode	Normal	Frequency	---
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Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
31.94	24.34	1.23	1.24	26.81	40.00	13.19	Peak
167.74	16.05	3.10	8.94	28.09	43.50	15.41	Peak
312.27	20.07	4.63	11.29	35.99	46.00	10.01	Peak
691.54	25.39	7.32	1.99	34.70	46.00	11.30	Peak
929.19	27.54	8.63	2.39	38.56	46.00	7.44	Peak
962.17	27.79	8.82	1.65	38.26	54.00	15.74	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	1.53	27.77	40.00	12.23	Peak
127.00	18.24	2.62	1.43	22.29	43.50	21.21	Peak
463.59	23.27	6.45	2.54	32.26	46.00	13.74	Peak
644.98	25.08	7.11	2.34	34.53	46.00	11.47	Peak
819.58	26.65	8.01	1.24	35.90	46.00	10.10	Peak
966.05	27.82	8.85	2.13	38.80	54.00	15.20	Peak

Mode	BLE (左耳機 L)	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
34.85	22.43	1.29	1.33	25.05	40.00	14.95	Peak
167.74	16.05	3.10	9.74	28.89	43.50	14.61	Peak
312.27	20.07	4.63	11.71	36.41	46.00	9.59	Peak
792.42	26.43	7.86	2.13	36.42	46.00	9.58	Peak
867.11	27.04	8.28	2.91	38.23	46.00	7.77	Peak
992.24	28.02	9.00	1.25	38.27	54.00	15.73	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
34.85	22.43	1.29	2.00	25.72	40.00	14.28	Peak
167.74	16.05	3.10	10.74	29.89	43.50	13.61	Peak
456.80	23.18	6.39	3.14	32.71	46.00	13.29	Peak
715.79	25.63	7.45	2.79	35.87	46.00	10.13	Peak
908.82	27.39	8.50	1.50	37.39	46.00	8.61	Peak
970.90	27.87	8.87	1.60	38.34	54.00	15.66	Peak

Mode	BLE (左耳機 L)	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
36.79	21.37	1.33	1.67	24.37	40.00	15.63	Peak
167.74	16.05	3.10	8.52	27.67	43.50	15.83	Peak
263.77	19.08	4.08	6.58	29.74	46.00	16.26	Peak
312.27	20.07	4.63	10.94	35.64	46.00	10.36	Peak
769.14	26.18	7.74	1.61	35.53	46.00	10.47	Peak
976.72	27.89	8.91	1.65	38.45	54.00	15.55	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	1.84	22.54	40.00	17.46	Peak
167.74	16.05	3.10	9.75	28.90	43.50	14.60	Peak
495.60	23.66	6.72	3.34	33.72	46.00	12.28	Peak
773.02	26.23	7.76	1.48	35.47	46.00	10.53	Peak
907.85	27.36	8.50	1.48	37.34	46.00	8.66	Peak
971.87	27.87	8.88	1.36	38.11	54.00	15.89	Peak

Mode	BLE (右耳機 R)	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
30.97	25.03	1.21	1.62	27.86	40.00	12.14	Peak
167.74	16.05	3.10	9.56	28.71	43.50	14.79	Peak
312.27	20.07	4.63	11.93	36.63	46.00	9.37	Peak
567.38	24.43	6.84	1.85	33.12	46.00	12.88	Peak
830.25	26.75	8.07	2.26	37.08	46.00	8.92	Peak
975.75	27.89	8.90	1.39	38.18	54.00	15.82	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
38.73	20.32	1.37	1.17	22.86	40.00	17.14	Peak
121.18	18.58	2.55	1.47	22.60	43.50	20.90	Peak
345.25	21.02	5.13	2.27	28.42	46.00	17.58	Peak
578.05	24.56	6.85	2.07	33.48	46.00	12.52	Peak
804.06	26.53	7.92	1.41	35.86	46.00	10.14	Peak
993.21	28.02	9.00	0.97	37.99	54.00	16.01	Peak

Mode	BLE (右耳機 R)	Frequency	RX 2440MHz
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Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
30.97	25.03	1.21	1.57	27.81	40.00	12.19	Peak
180.35	15.43	3.23	6.41	25.07	43.50	18.43	Peak
327.79	20.53	4.87	7.97	33.37	46.00	12.63	Peak
566.41	24.43	6.84	2.09	33.36	46.00	12.64	Peak
737.13	25.85	7.57	1.88	35.30	46.00	10.70	Peak
995.15	28.04	9.01	1.32	38.37	54.00	15.63	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
33.88	23.04	1.27	0.83	25.14	40.00	14.86	Peak
167.74	16.05	3.10	9.41	28.56	43.50	14.94	Peak
506.27	23.78	6.76	1.67	32.21	46.00	13.79	Peak
716.76	25.63	7.46	1.56	34.65	46.00	11.35	Peak
864.20	27.02	8.26	1.32	36.60	46.00	9.40	Peak
998.06	28.04	9.03	1.66	38.73	54.00	15.27	Peak

1.2. 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	Normal	Frequency	---
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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
2294.00	32.02	8.14	5.14	45.30	54.00	8.70	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
2370.00	32.00	8.17	4.94	45.11	54.00	8.89	Peak

Mode	BLE (左耳機 L)	Frequency	TX 2402MHz
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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
4804.00	33.92	10.31	-1.51	42.72	54.00	11.28	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
4804.00	33.92	10.31	-0.78	43.45	54.00	10.55	Peak

Mode	BLE (左耳機 L)	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	-2.53	42.19	54.00	11.81	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
4880.00	34.34	10.38	-2.30	42.42	54.00	11.58	Peak

Mode	BLE (左耳機 L)	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	-2.71	42.06	54.00	11.94	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
4960.00	34.32	10.45	-2.42	42.35	54.00	11.65	Peak

Mode	BLE (左耳機 L)	Frequency	RX2440MHz
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Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
2302.00	32.00	8.14	5.32	45.46	54.00	8.54	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
2314.00	32.00	8.15	4.99	45.14	54.00	8.86	Peak

Mode	BLE (右耳機 R)	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
4804.00	33.92	10.31	-2.13	42.10	54.00	11.90	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
4804.00	33.92	10.31	-1.44	42.79	54.00	11.21	Peak

Mode	BLE (右耳機 R)	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	-2.91	41.81	54.00	12.19	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	-1.71	43.01	54.00	10.99	Peak

Mode	BLE (右耳機 R)	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	-2.82	41.95	54.00	12.05	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
4960.00	34.32	10.45	-2.87	41.90	54.00	12.10	Peak

Mode	BLE (右耳機 R)	Frequency	RX2440MHz
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Antenna at Horizontal Polarization

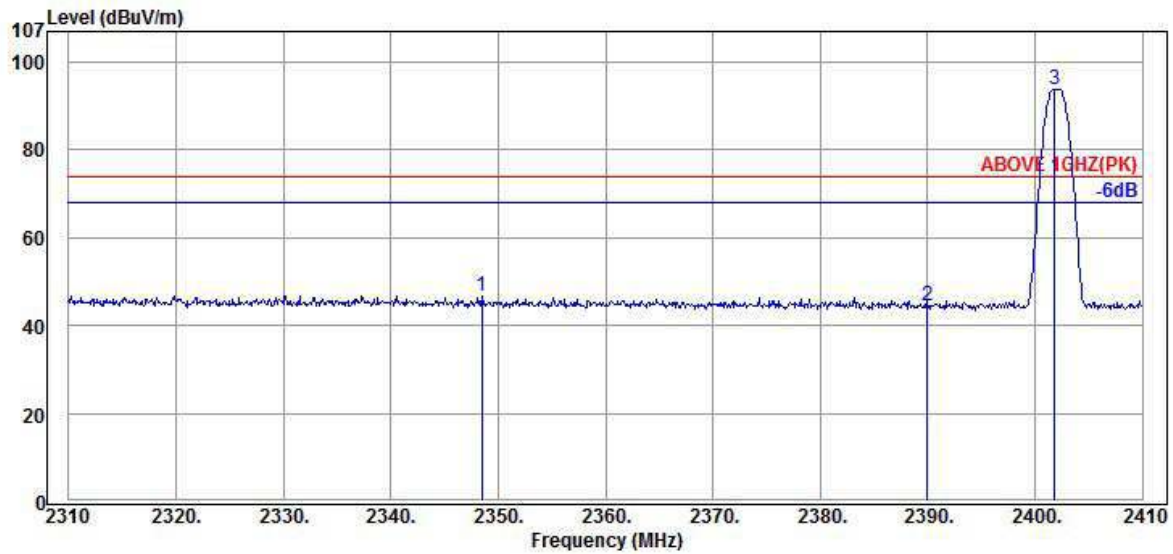
Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dB μ V)	Emission Level (dB μ V/m)	Limits (dB μ V/m)	Margin (dB)	Detector
2306.00	32.00	8.14	5.19	45.33	54.00	8.67	Peak

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
2306.00	32.00	8.14	5.79	45.93	54.00	8.07	Peak

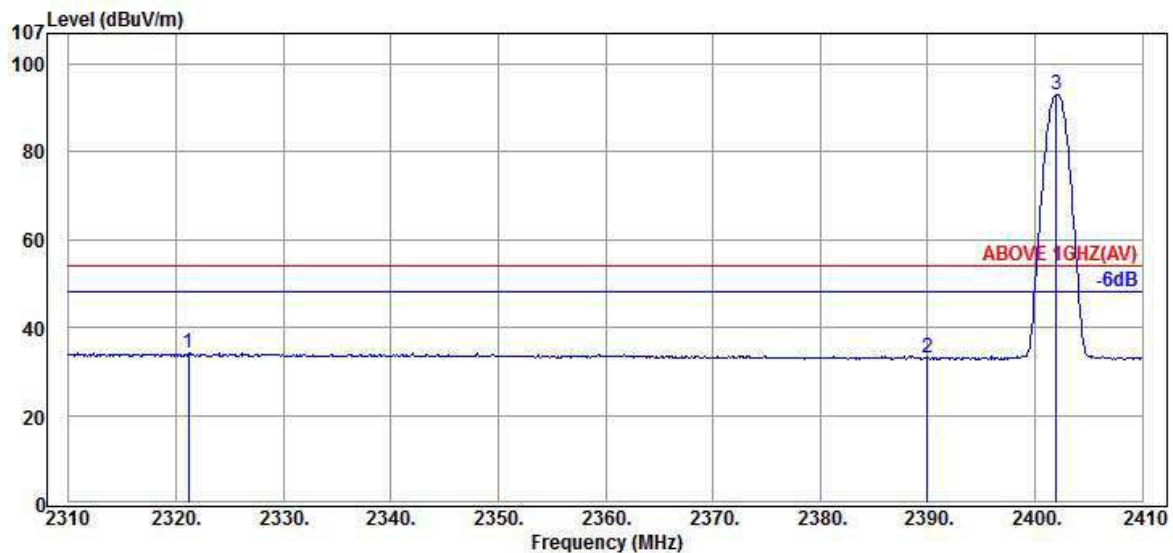
1.3. 禁用頻帶量測結果 (其他不必要發射)

Mode	BLE (左耳機 L)	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
2348.50	32.00	8.16	6.59	46.75	74.00	27.25	Peak
2390.00	32.00	8.17	4.36	44.53	74.00	29.47	Peak
@ 2401.80	32.03	8.18	53.60	93.81	---	---	Peak

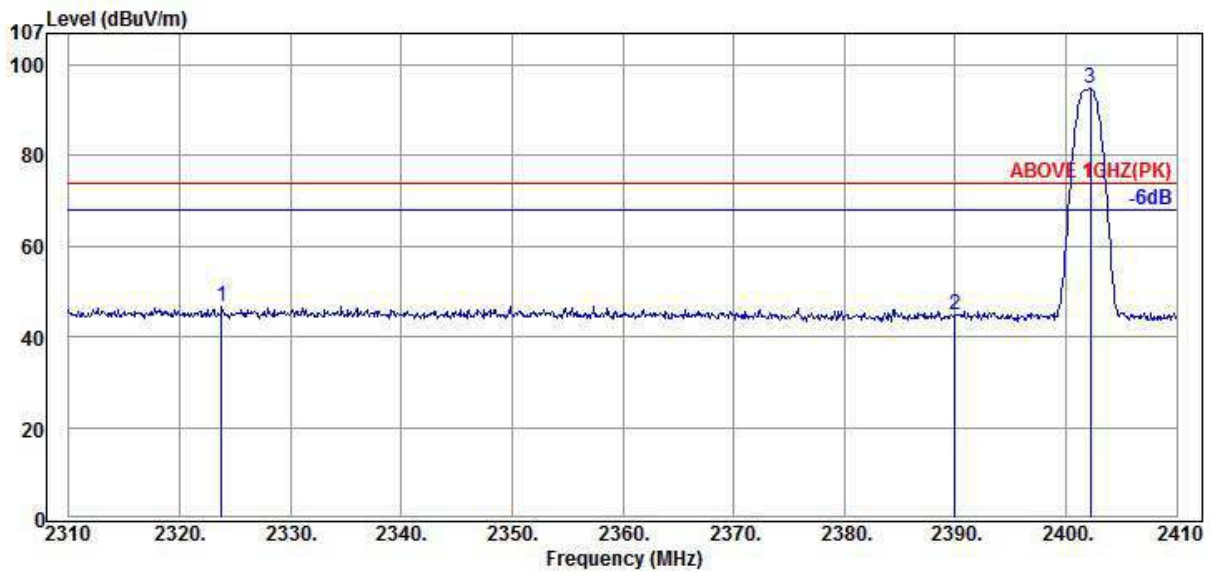


Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
2321.20	32.00	8.15	-5.95	34.20	54.00	19.80	Average
2390.00	32.00	8.17	-6.94	33.23	54.00	20.77	Average
@ 2402.00	32.03	8.18	52.99	93.20	---	---	Average

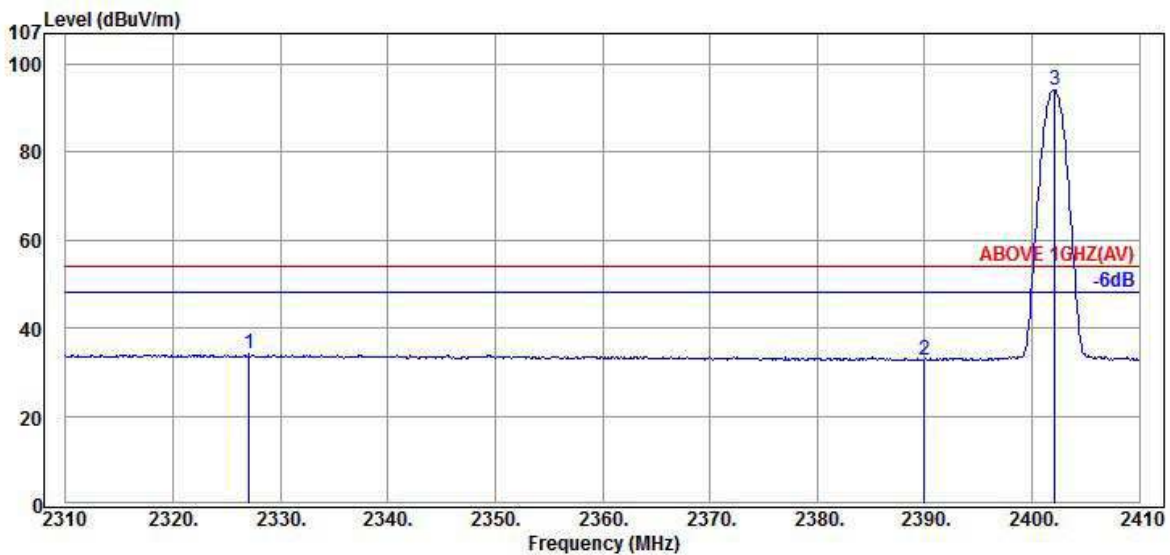
備註：“@”為主波，在此章節是不予以判定。

Mode	BLE (左耳機 L)	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
2323.80	32.00	8.15	6.65	46.80	74.00	27.20	Peak
2390.00	32.00	8.17	4.56	44.73	74.00	29.27	Peak
@ 2402.20	32.03	8.18	54.49	94.70	---	---	Peak

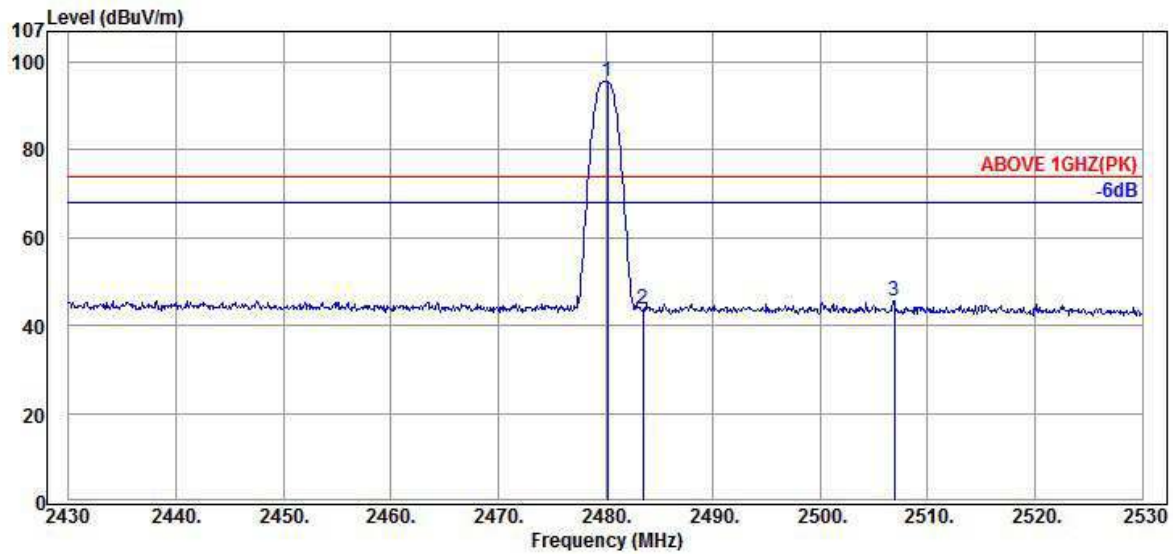


Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
2327.10	32.00	8.15	-6.09	34.06	54.00	19.94	Average
2390.00	32.00	8.17	-7.41	32.76	54.00	21.24	Average
@ 2402.10	32.03	8.18	53.96	94.17	---	---	Average

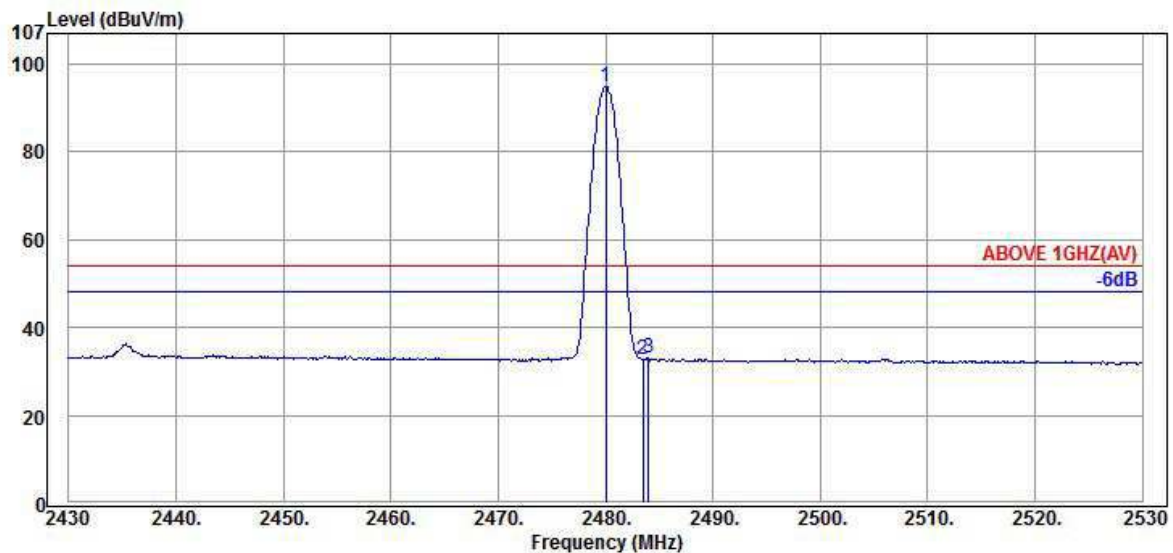
備註：“@”為主波，在此章節是不予以判定。

Mode	BLE (左耳機 L)	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
@	2480.20	32.58	8.20	54.73	95.51	---	---	Peak
	2483.50	32.57	8.20	2.97	43.74	74.00	30.26	Peak
	2506.90	32.42	8.22	5.10	45.74	74.00	28.26	Peak

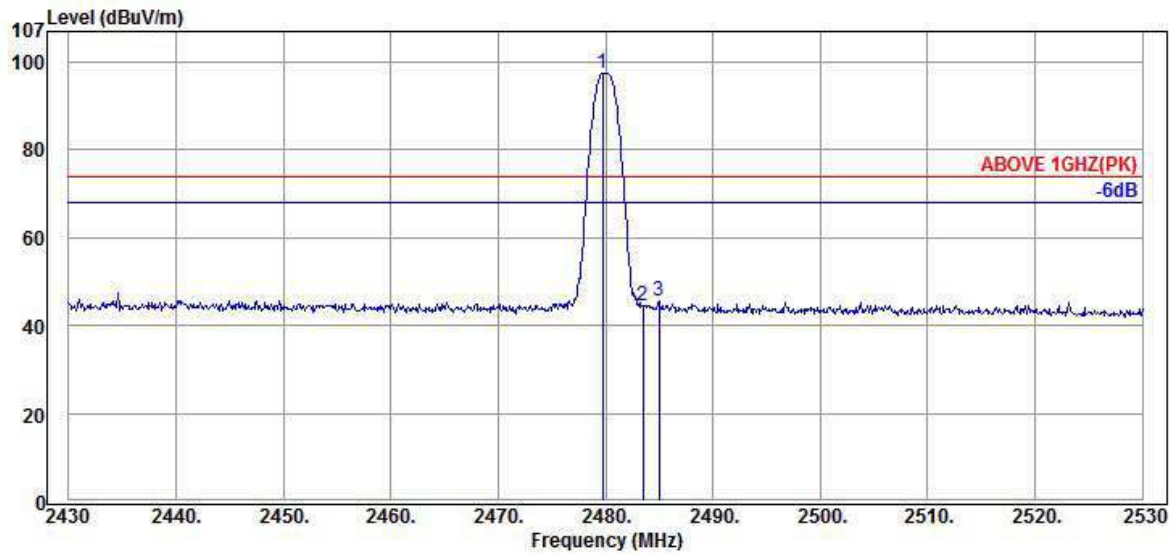


Antenna at Horizontal Polarization

	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	54.25	95.03	---	---	Average
	2483.50	32.57	8.20	-8.01	32.76	54.00	21.24	Average
	2484.00	32.56	8.20	-7.64	33.12	54.00	20.88	Average

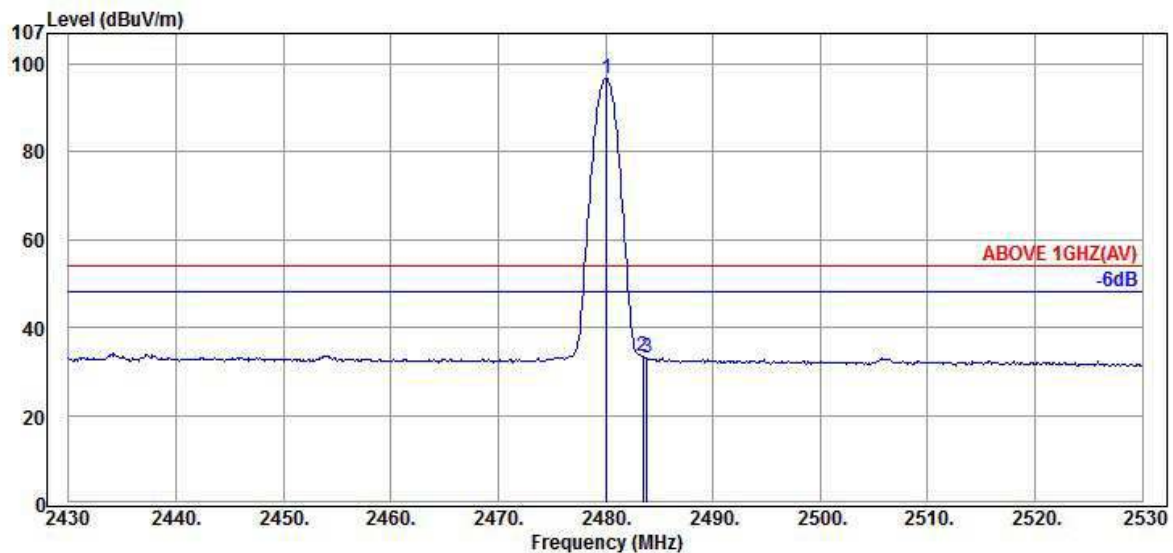
備註：“@”為主波，在此章節是不予以判定。

Mode	BLE (左耳機 L)	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
@	2479.70	32.58	8.20	56.60	97.38	---	---	Peak
	2483.50	32.57	8.20	3.70	44.47	74.00	29.53	Peak
	2485.00	32.56	8.20	4.71	45.47	74.00	28.53	Peak

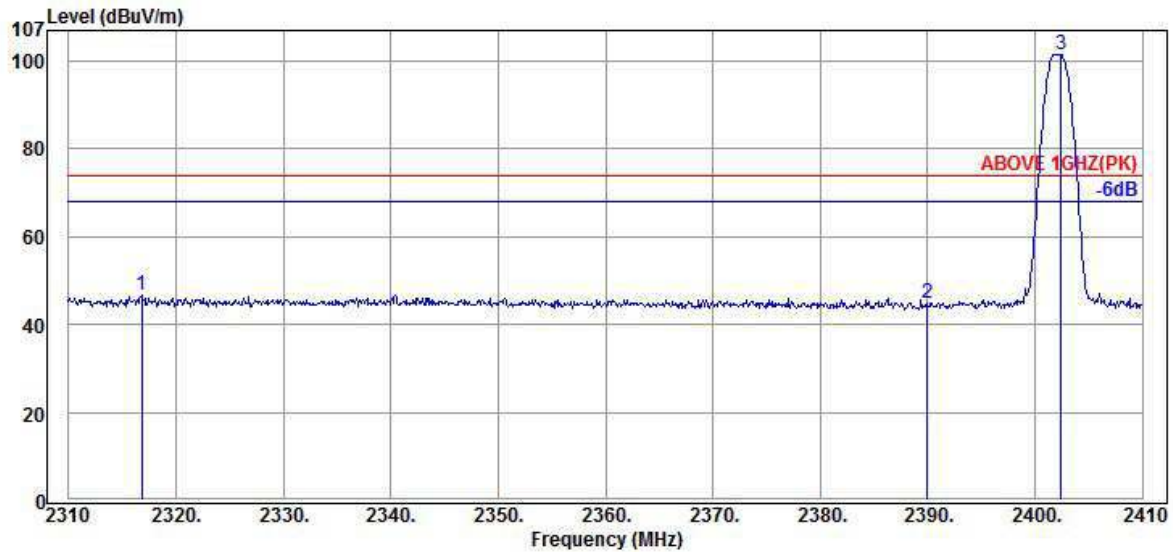


Antenna at Vertical Polarization

	Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@	2480.10	32.58	8.20	56.06	96.84	---	---	Average
	2483.50	32.57	8.20	-7.30	33.47	54.00	20.53	Average
	2483.90	32.56	8.20	-7.76	33.00	54.00	21.00	Average

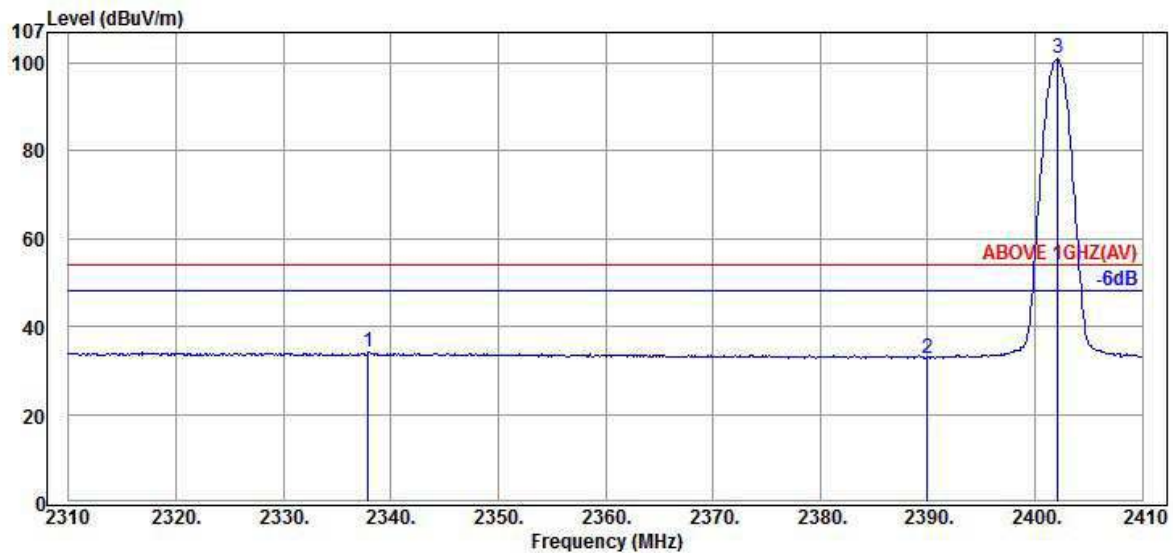
備註：“@”為主波，在此章節是不予以判定。

Mode	BLE (右耳機 R)	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
2316.80	32.00	8.15	6.43	46.58	74.00	27.42	Peak
2390.00	32.00	8.17	4.63	44.80	74.00	29.20	Peak
@ 2402.40	32.03	8.18	61.32	101.53	---	---	Peak

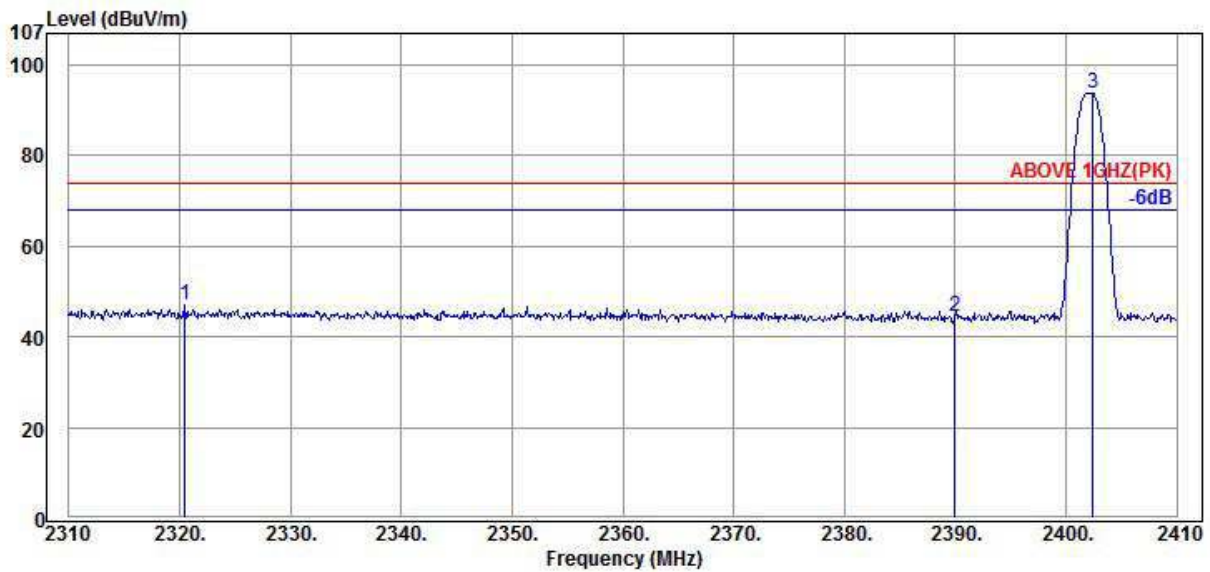


Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
2337.90	32.00	8.15	-6.10	34.05	54.00	19.95	Average
2390.00	32.00	8.17	-7.34	32.83	54.00	21.17	Average
@ 2402.10	32.03	8.18	60.81	101.02	---	---	Average

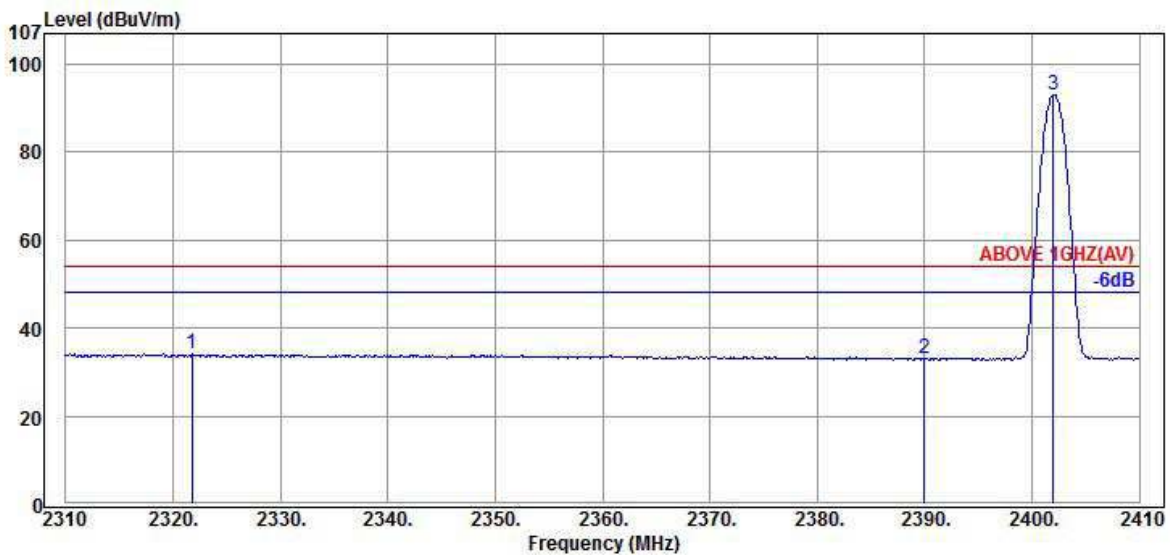
備註：“@”為主波，在此章節是不予以判定。

Mode	BLE (右耳機 R)	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
2320.50	32.00	8.15	6.78	46.93	74.00	27.07	Peak
2390.00	32.00	8.17	4.40	44.57	74.00	29.43	Peak
@ 2402.40	32.03	8.18	53.61	93.82	---	---	Peak

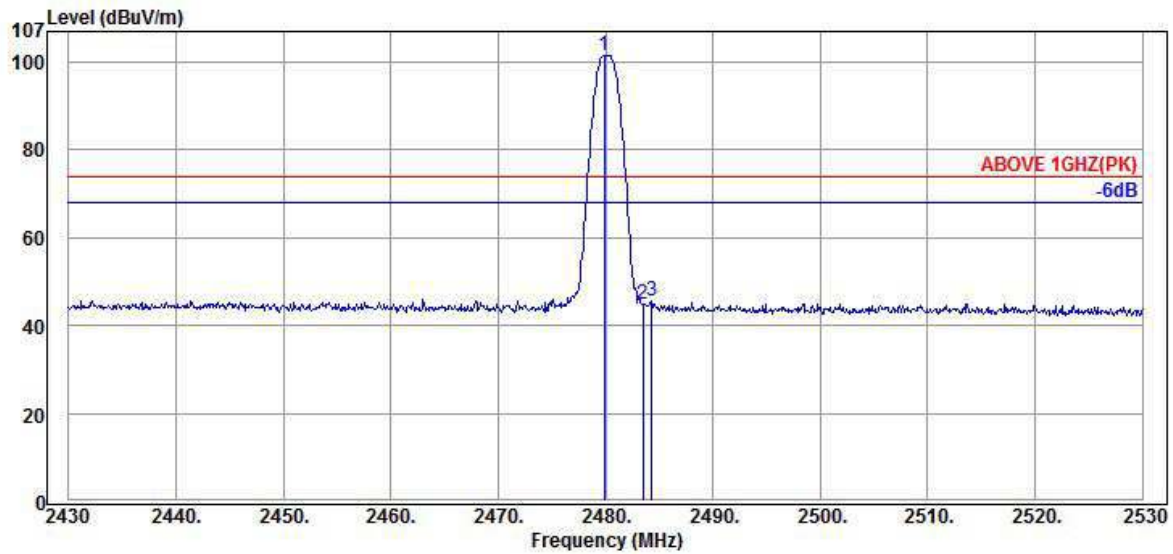


Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
2321.80	32.00	8.15	-6.05	34.10	54.00	19.90	Average
2390.00	32.00	8.17	-7.04	33.13	54.00	20.87	Average
@ 2402.00	32.03	8.18	52.83	93.04	---	---	Average

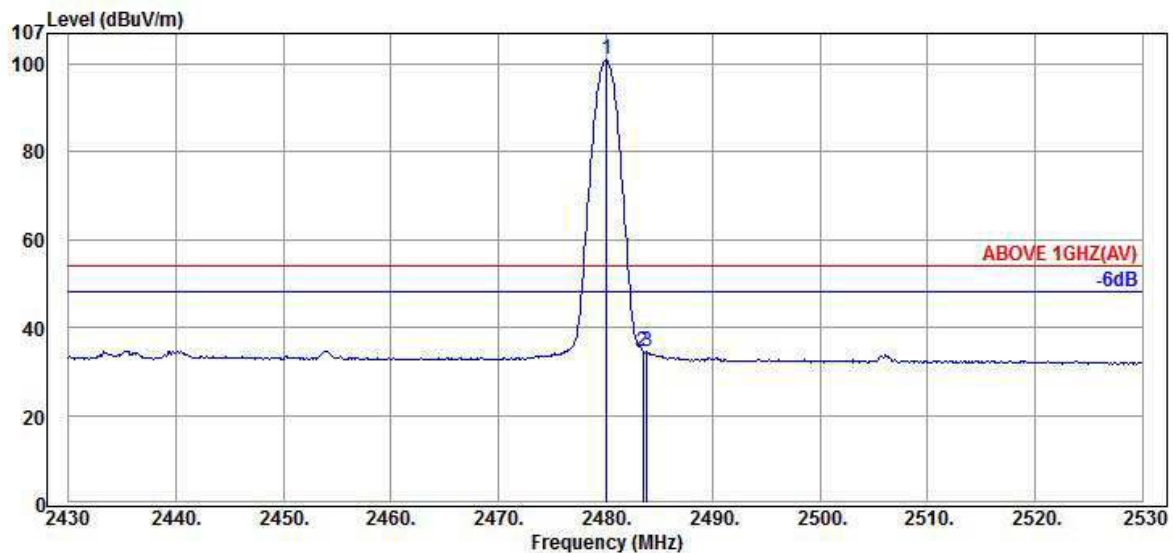
備註：“@”為主波，在此章節是不予以判定。

Mode	BLE (右耳機 R)	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
@	2479.90	32.58	8.20	60.72	101.50	---	---	Peak
	2483.50	32.57	8.20	4.19	44.96	74.00	29.04	Peak
	2484.30	32.56	8.20	4.94	45.70	74.00	28.30	Peak

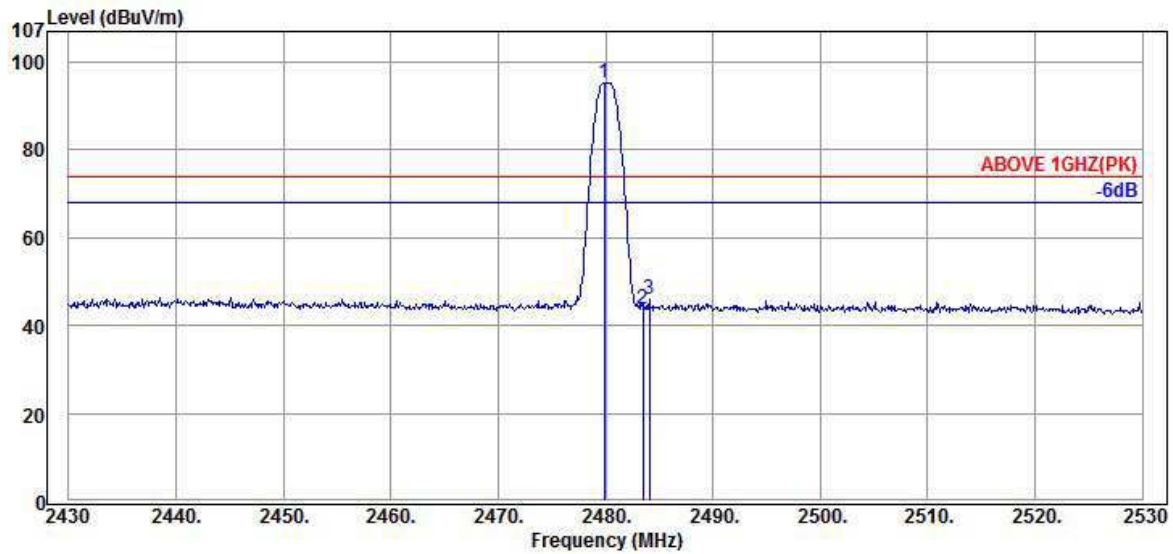


Antenna at Horizontal Polarization

	Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@	2480.10	32.58	8.20	60.17	100.95	---	---	Average
	2483.50	32.57	8.20	-6.16	34.61	54.00	19.39	Average
	2483.90	32.56	8.20	-6.27	34.49	54.00	19.51	Average

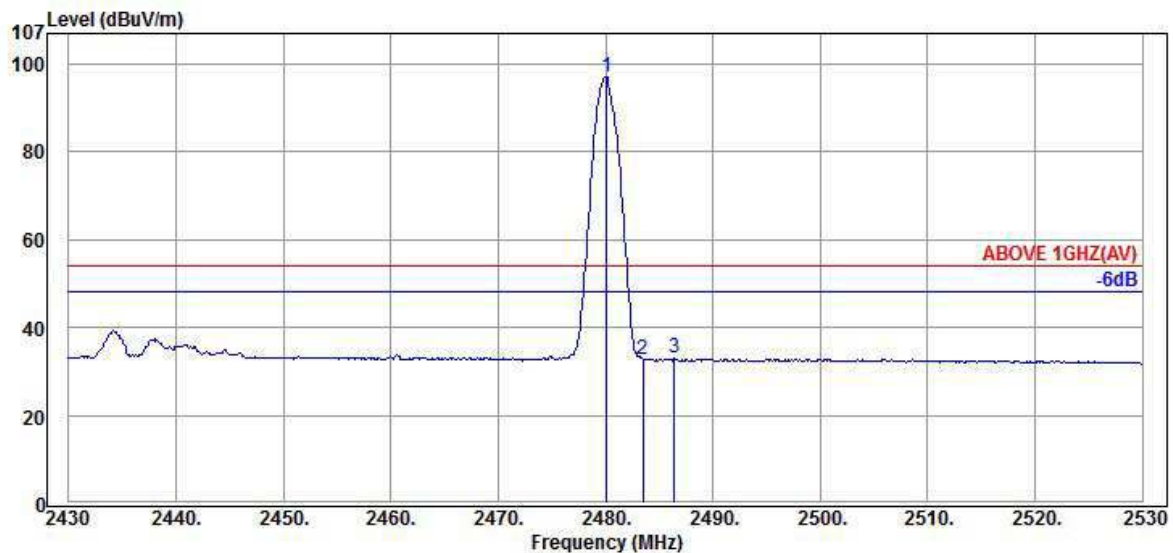
備註：“@”為主波，在此章節是不予以判定。

Mode	BLE (右耳機 R)	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
@	2479.90	32.58	8.20	54.56	95.34	---	---	Peak
	2483.50	32.57	8.20	3.03	43.80	74.00	30.20	Peak
	2484.10	32.56	8.20	5.11	45.87	74.00	28.13	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
@	2480.10	32.58	8.20	56.43	97.21	---	---	Average
	2483.50	32.57	8.20	-7.87	32.90	54.00	21.10	Average
	2486.40	32.55	8.21	-7.78	32.98	54.00	21.02	Average

備註：“@”為主波，在此章節是不予以判定。

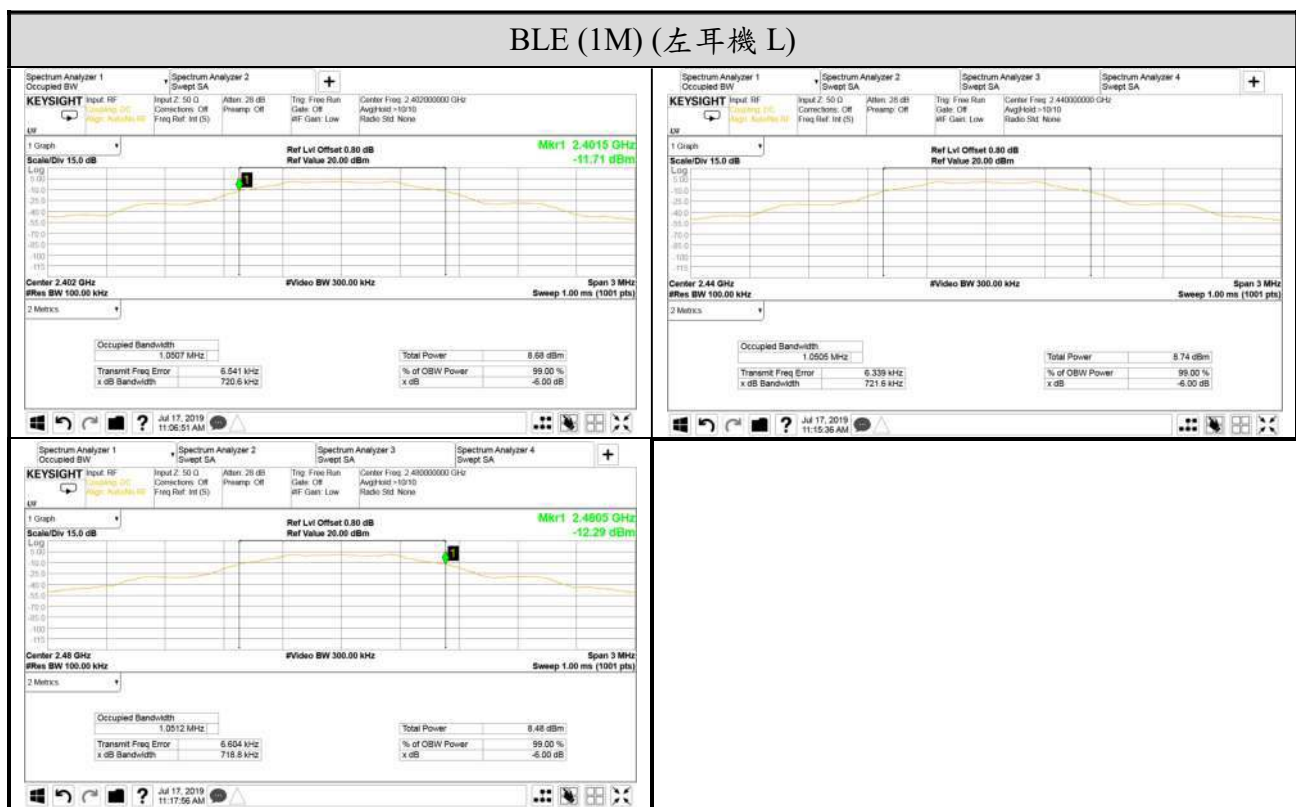
2. 發射頻寬之量測

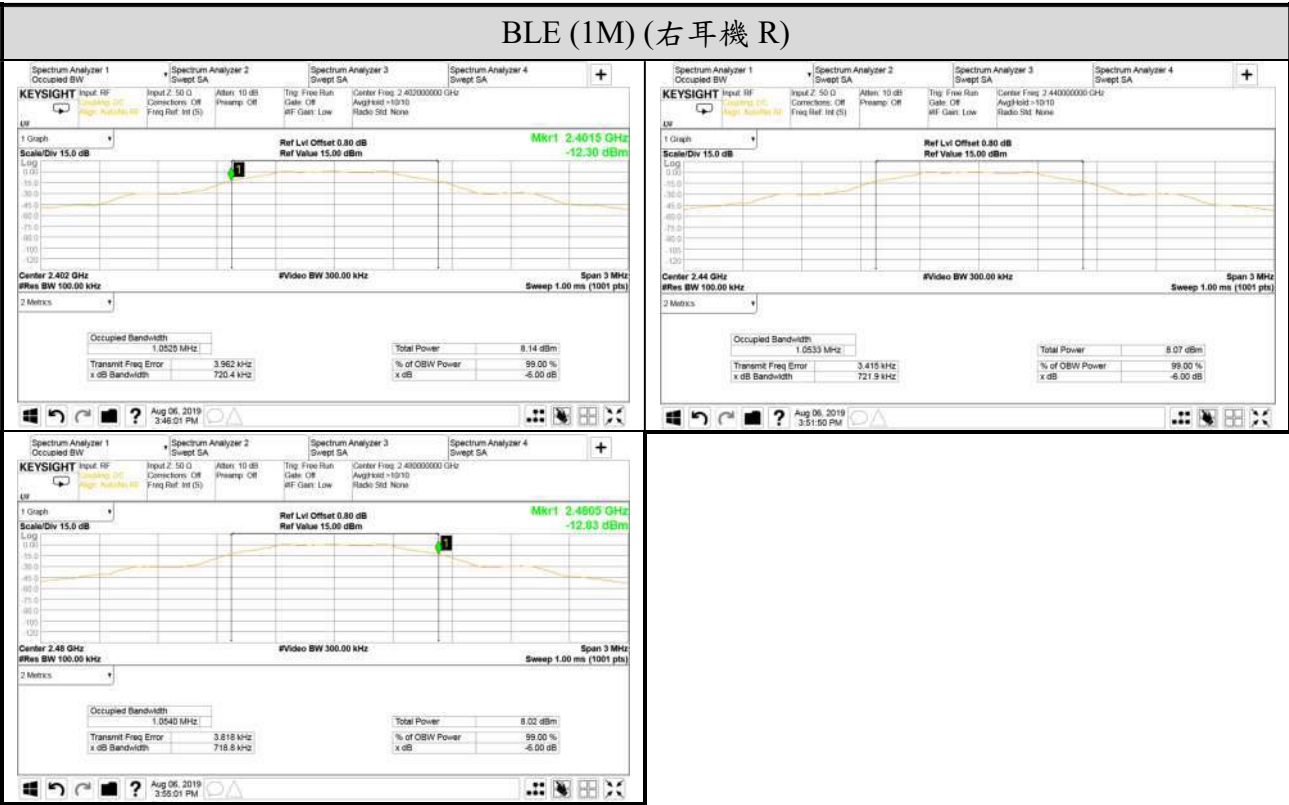
測試日期	2019/07/17 ~ 08/06	環境溫/濕度	25°C/46%
電纜損失	0.80dB	測試電壓	DC 3.7V (透過內建鋰電池供電)

2.1. 發射頻寬

模式 (Mode)	測試頻率 (MHz)	6dB 頻寬 (MHz)	限制值 (kHz)
BLE (1M) (左耳機 L)	2402	0.7206	>500
	2440	0.7216	
	2480	0.7188	
BLE (1M) (右耳機 R)	2402	0.7204	>500
	2440	0.7219	
	2480	0.7188	

2.2. 發射頻寬之量測圖





3. 峰值輸出功率之量測

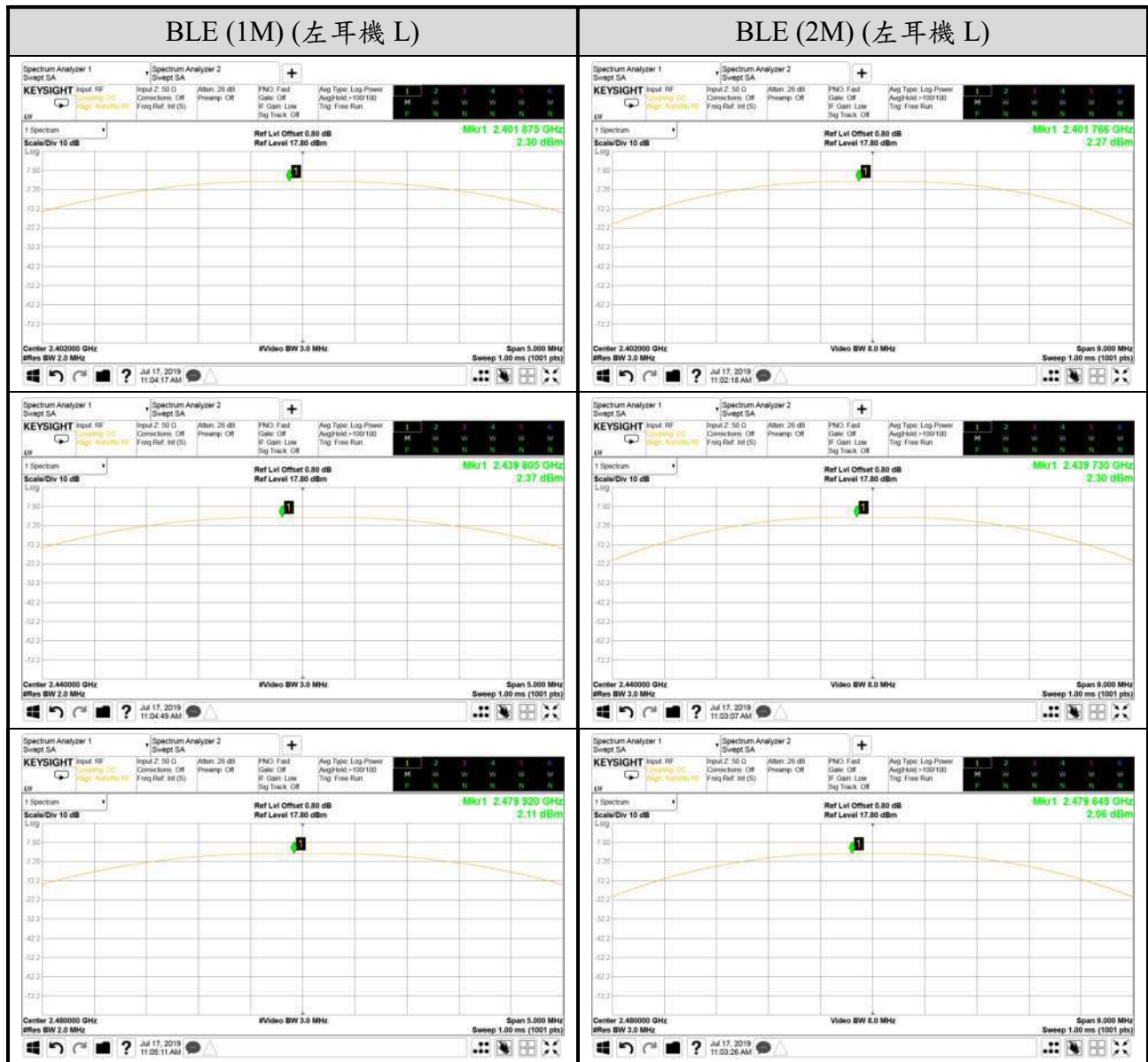
測試日期	2019/07/17 ~ 18	環境溫/濕度	25°C/46%
電纜損失	0.80dB	測試電壓	DC 3.7V (透過內建鋰電池供電)

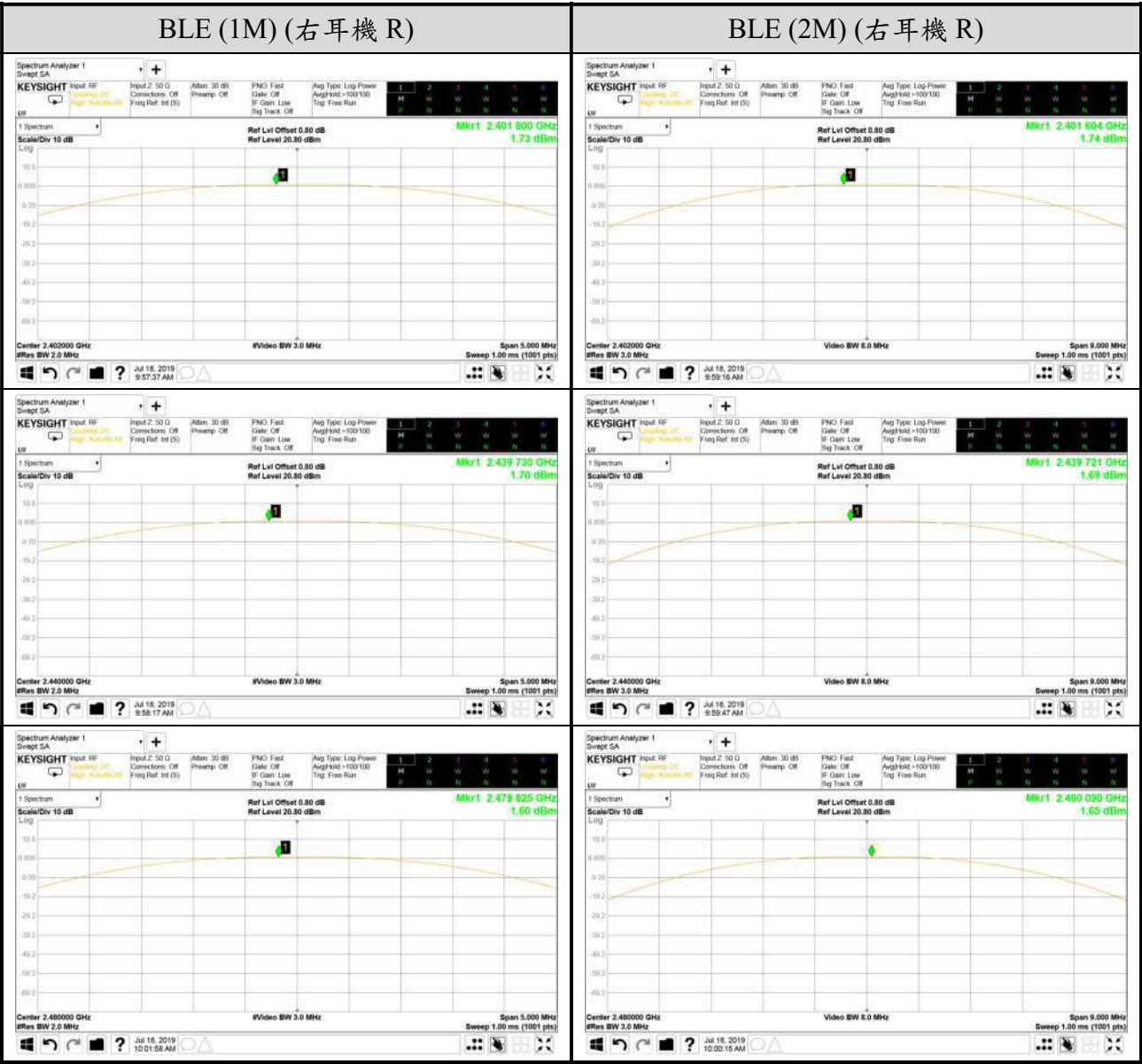
3.1. 峰值輸出功率

模式 (Mode)	測試頻率 (MHz)	最大輸出功率(dBm)	限制值 (dBm)
BLE (1M) (左耳機 L)	2402	2.30	30
	2440	2.37	
	2480	2.11	
BLE (2M) (左耳機 L)	2402	2.27	
	2440	2.30	
	2480	2.06	

模式 (Mode)	測試頻率 (MHz)	最大輸出功率(dBm)	限制值 (dBm)
BLE (1M) (右耳機 R)	2402	1.73	30
	2440	1.70	
	2480	1.60	
BLE (2M) (右耳機 R)	2402	1.74	
	2440	1.69	
	2480	1.65	

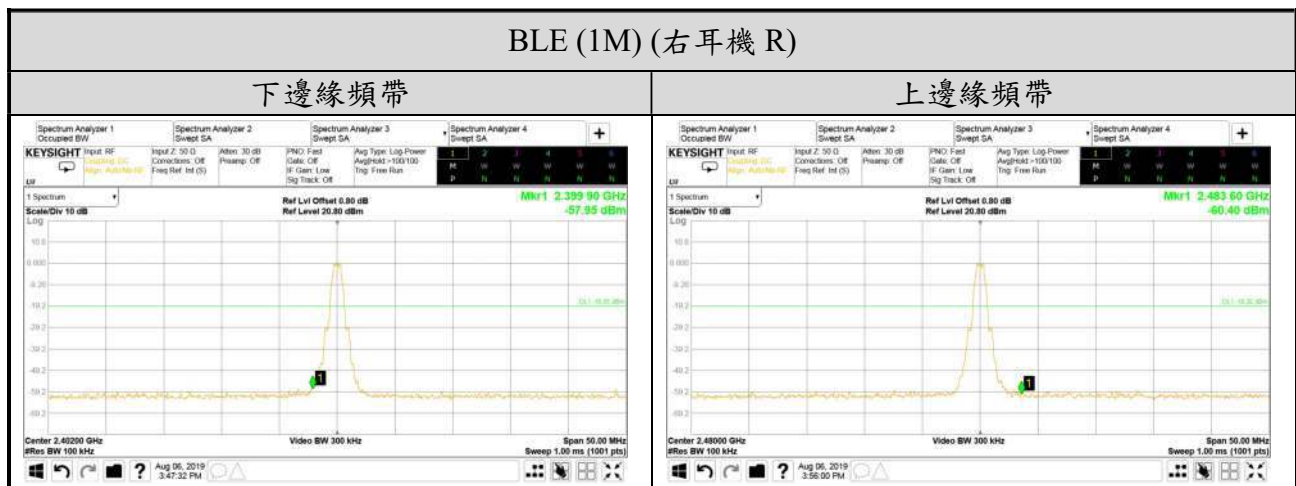
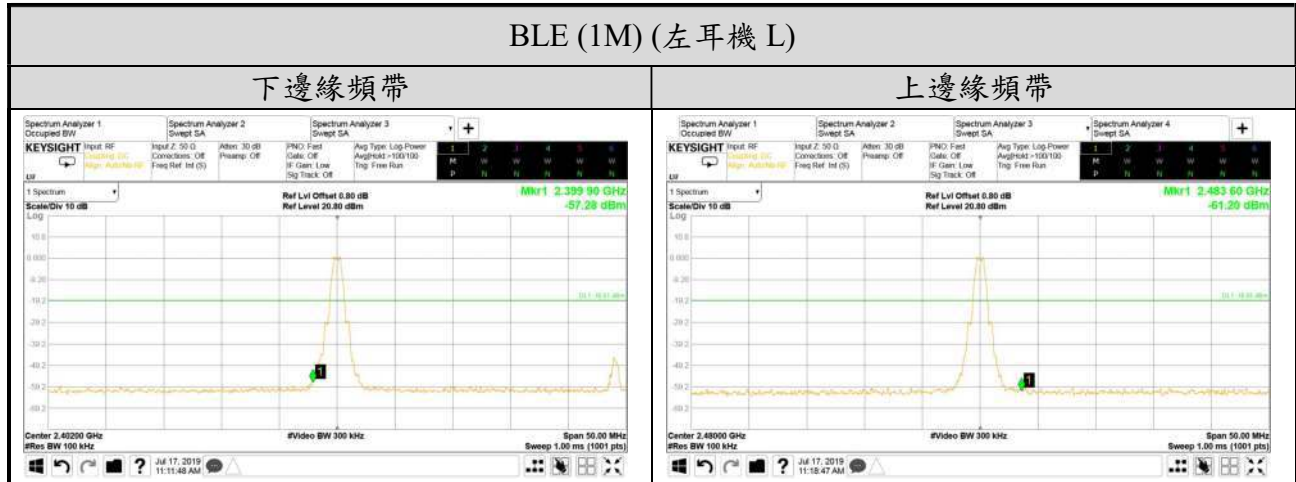
3.2. 峰值輸出功率之量測圖





4. 頻帶邊緣之 RF 傳導發射之量測

測試日期	2019/07/17 ~ 08/06	環境溫/濕度	25°C/46%
電纜損失	0.80dB	測試電壓	DC 3.7V (透過內建鋰電池供電)

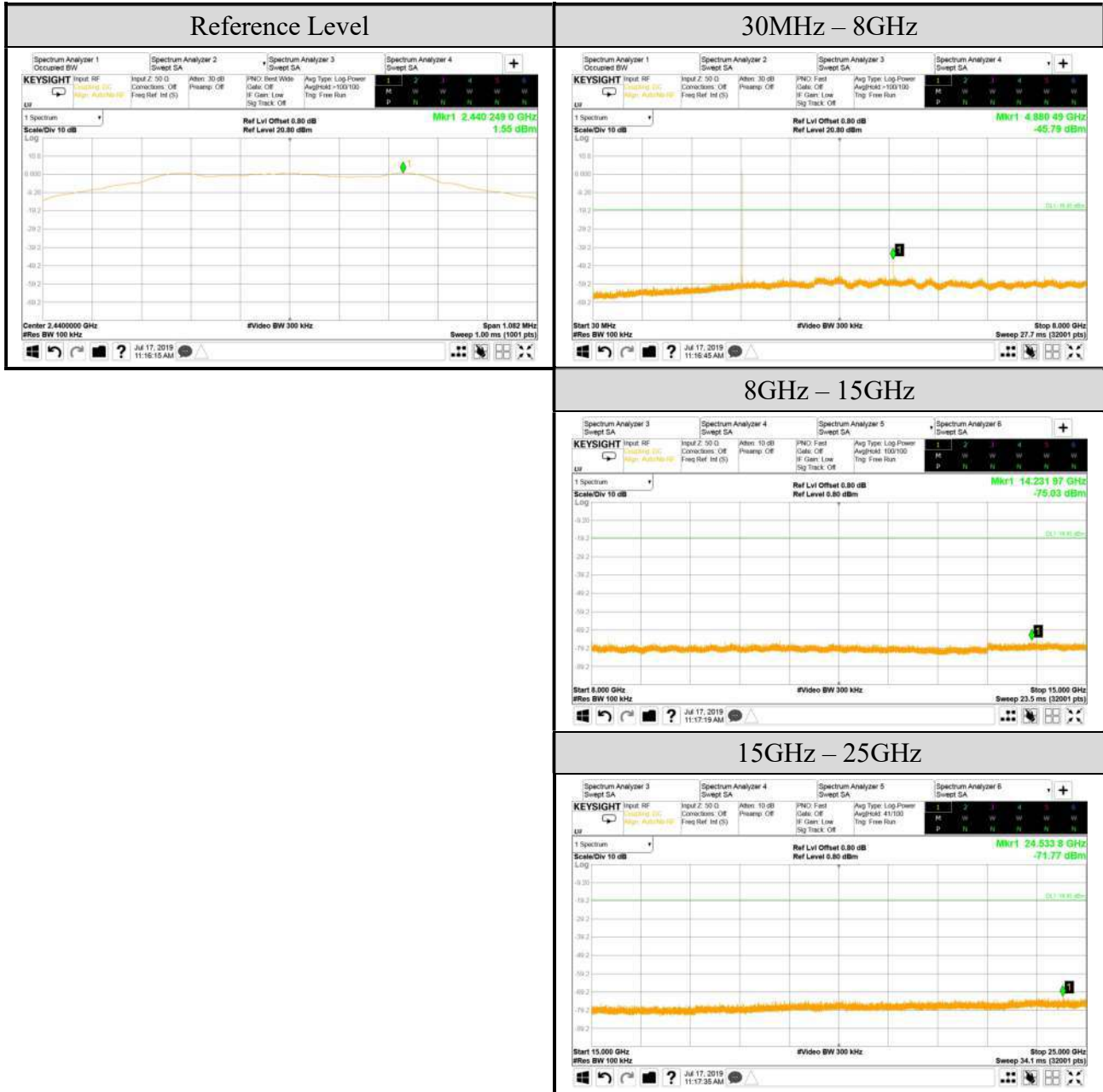


5. 混附發射之 RF 傳導發射之量測

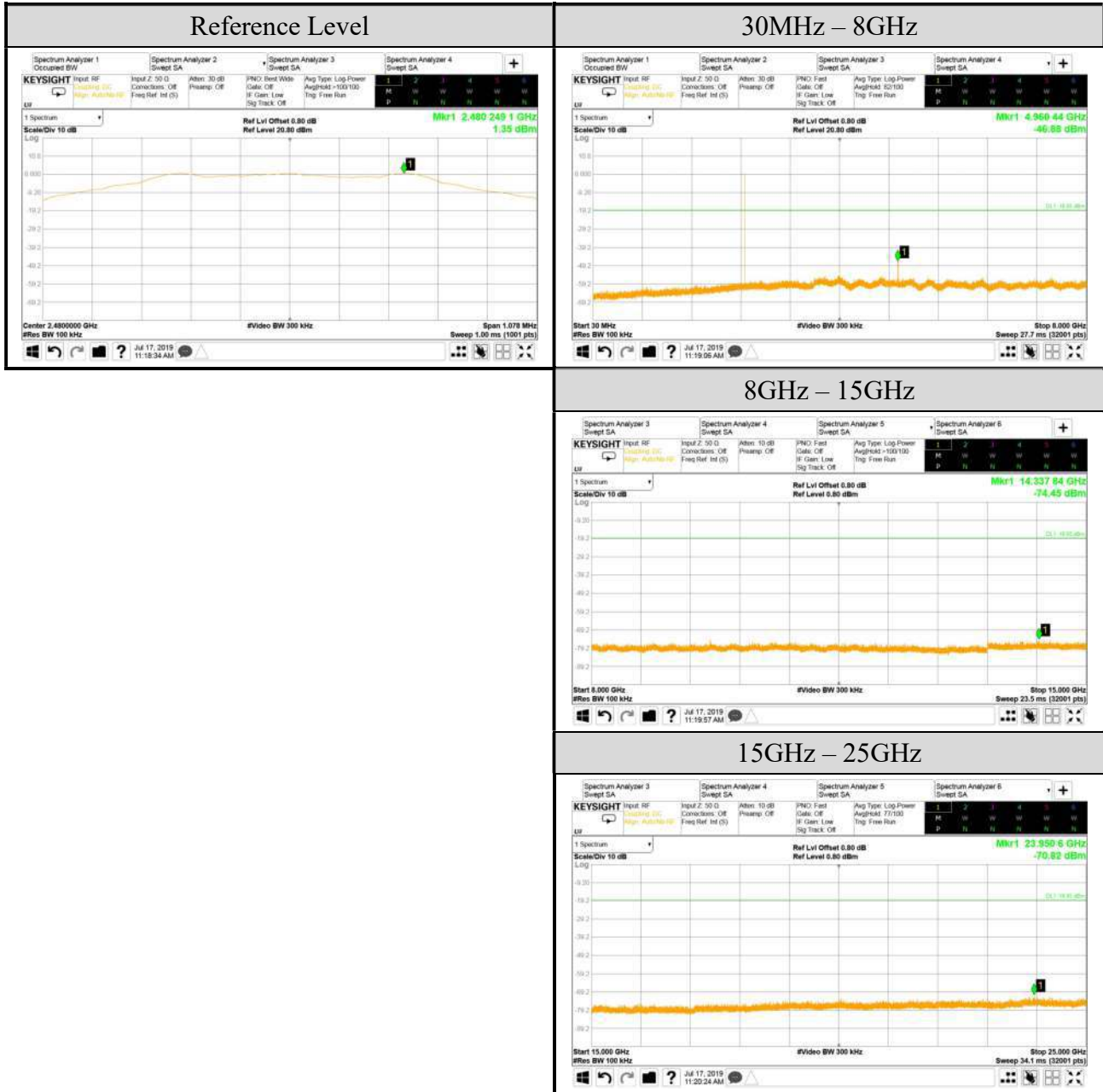
測試日期	2019/07/17	環境溫/濕度	25°C/46%
電纜損失	0.80dB	模式	BLE (1M) (左耳機 L)
測試電壓	DC 3.7V (透過內建鋰電池供電)	測試頻率	2402MHz



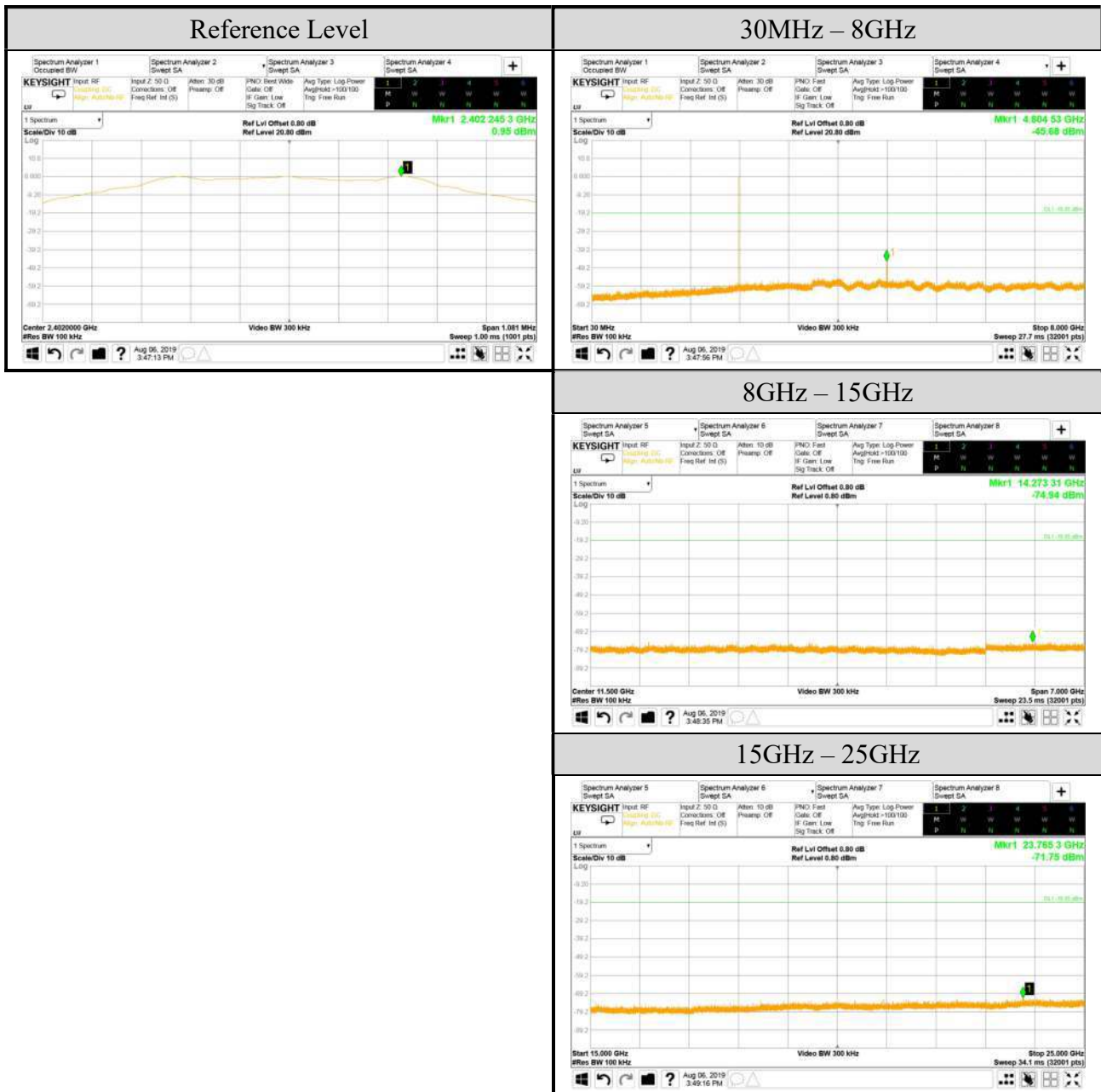
測試日期	2019/07/17	環境溫/濕度	25°C/46%
電纜損失	0.80dB	模式	BLE (1M) (左耳機 L)
測試電壓	DC 3.7V (透過內建鋰電池供電)	測試頻率	2440MHz



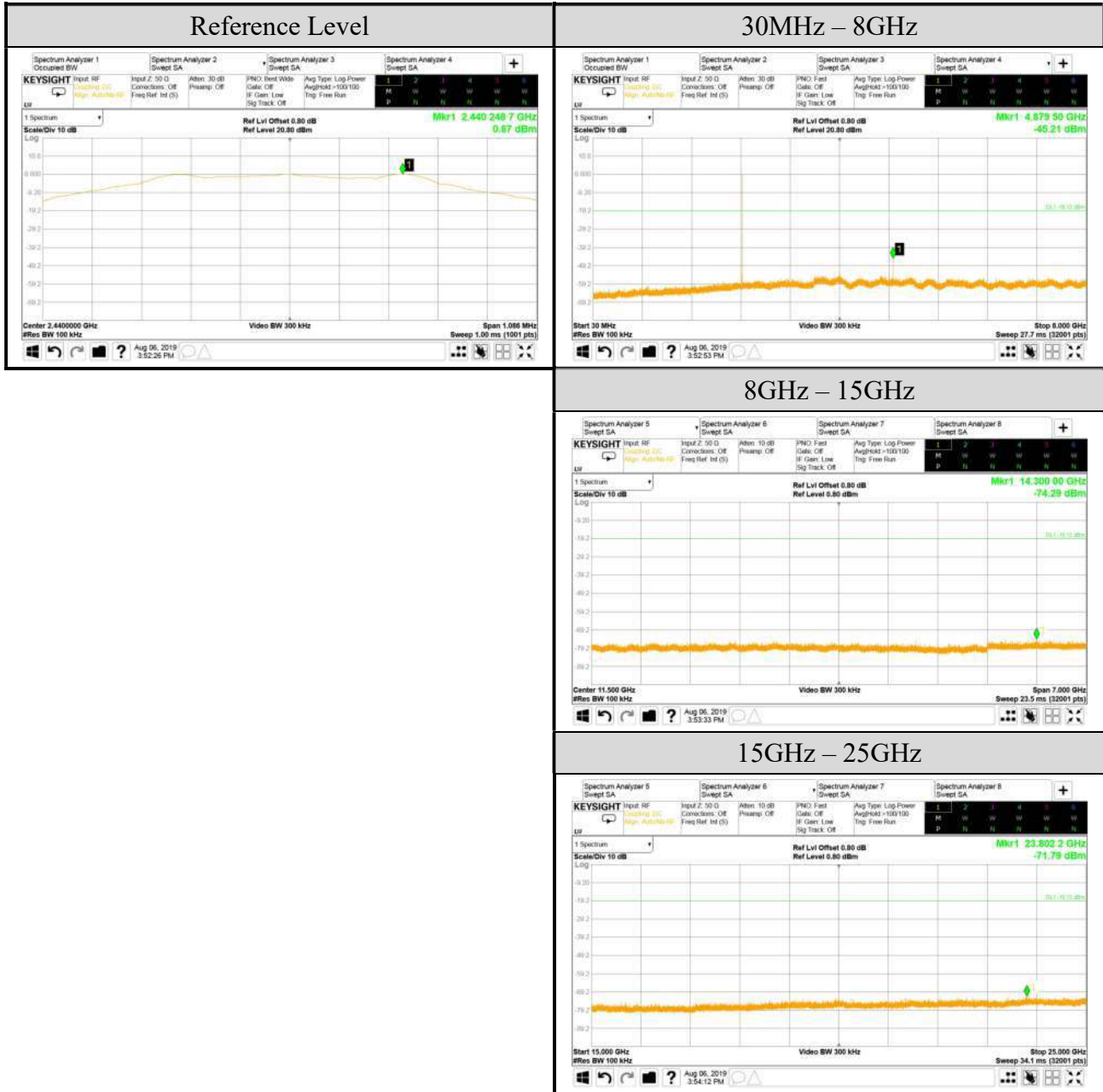
測試日期	2019/07/17	環境溫/濕度	25°C/46%
電纜損失	0.80dB	模式	BLE (1M) (左耳機 L)
測試電壓	DC 3.7V (透過內建鋰電池供電)	測試頻率	2480MHz



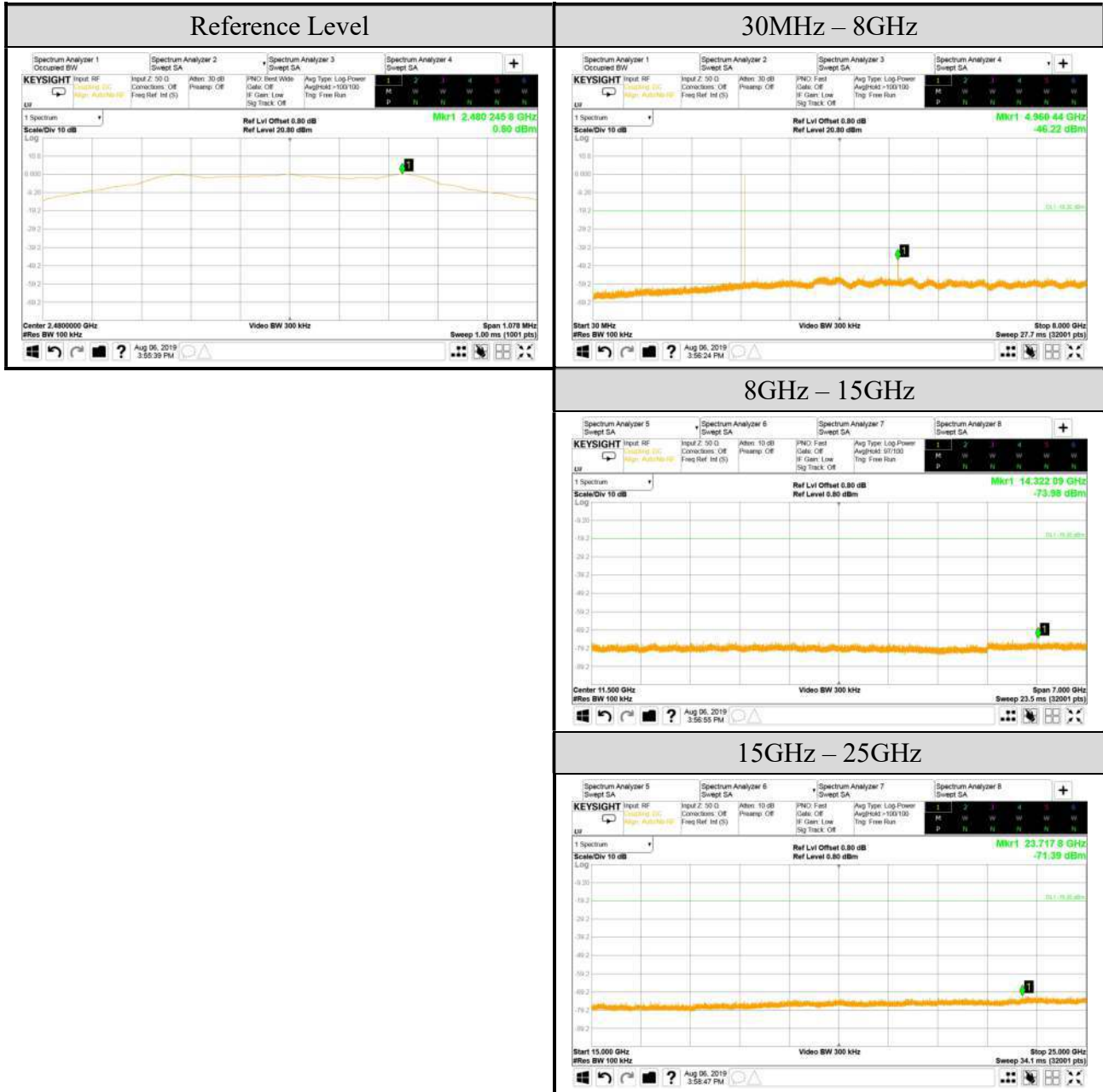
測試日期	2019/08/06	環境溫/濕度	25°C/46%
電纜損失	0.80dB	模式	BLE (1M) (右耳機 R)
測試電壓	DC 3.7V (透過內建鋰電池供電)	測試頻率	2402MHz



測試日期	2019/08/06	環境溫/濕度	25°C/46%
電纜損失	0.80dB	模式	BLE (1M) (右耳機 R)
測試電壓	DC 3.7V (透過內建鋰電池供電)	測試頻率	2440MHz



測試日期	2019/08/06	環境溫/濕度	25°C/46%
電纜損失	0.80dB	模式	BLE (1M) (右耳機 R)
測試電壓	DC 3.7V (透過內建鋰電池供電)	測試頻率	2480MHz



6. 功率密度之量測

測試日期	2019/07/17 ~ 08/06	環境溫/濕度	25°C/46%
電纜損失	0.80dB	測試電壓	DC 3.7V (透過內建鋰電池供電)

6.1. 功率密度

模式 (Mode)	測試頻率 (MHz)	功率密度(dBm)	限制值 (dBm)
BLE(1M) (左耳機 L)	2402	1.39	8
	2440	1.55	
	2480	1.35	

模式 (Mode)	測試頻率 (MHz)	功率密度(dBm)	限制值 (dBm)
BLE(1M) (右耳機 R)	2402	0.95	8
	2440	0.87	
	2480	0.80	

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

6.2. 功率密度之量測圖



