

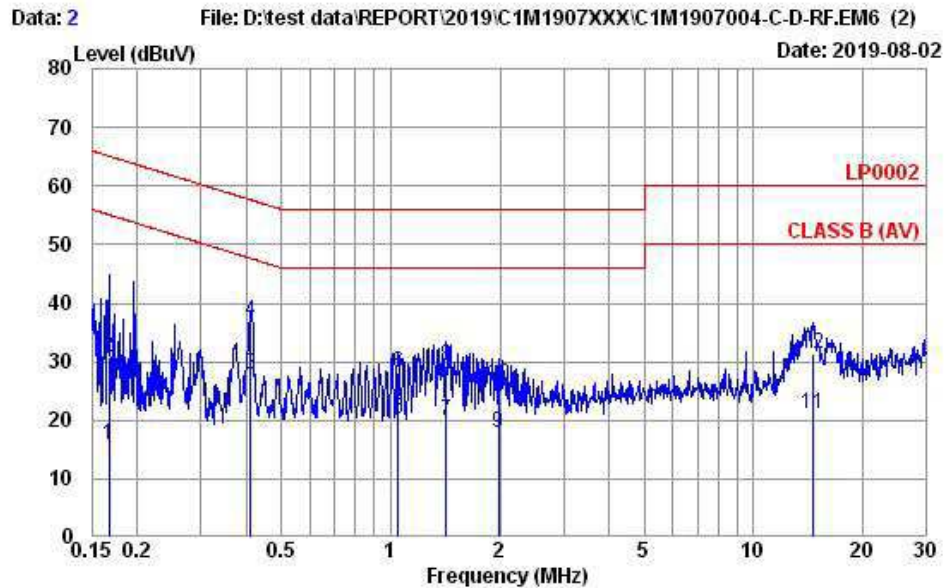
附錄一

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	2019/08/02	環境溫/濕度	26°C/59%
測試電壓	DC 5V (經充電盒供電)		

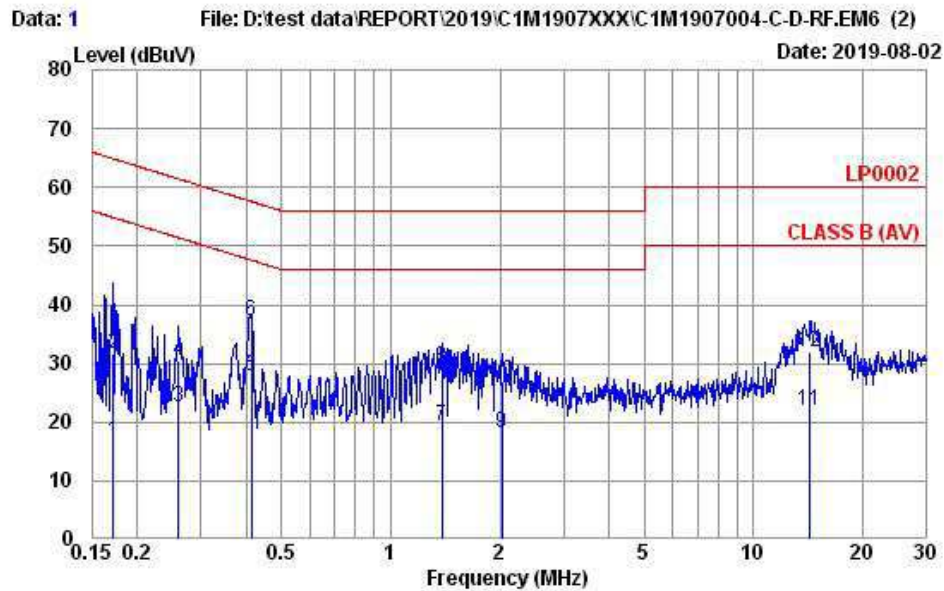


Site no. : No.8 Shielded Room Data no. : 2
 Condition : ENV4200 100169 LISN Phase : NEUTRAL
 Limit : LP0002
 Env. / Ins. : 26°C / 59% ESR3 (1774) Engineer : Chucky Chiu
 EUT : WF-H800
 Power Rating : DC 5V(VIA USB)
 Test Mode : Charge

	Freq. (MHz)	AMN Factor (dB)	Cable Loss (dB)	Pulse Att. (dB)	Reading (dBμV)	Emission Level (dBμV)	Limits (dBμV)	Margin (dB)	Remark
1	0.168	10.67	0.03	9.86	-4.61	15.95	55.08	39.13	Average
2	0.168	10.67	0.03	9.86	10.19	30.75	65.08	34.33	QP
3	0.410	10.49	0.04	9.86	7.34	27.73	47.64	19.91	Average
4	0.410	10.49	0.04	9.86	16.57	36.96	57.64	20.68	QP
5	1.049	10.47	0.06	9.86	-0.22	20.17	46.00	25.83	Average
6	1.049	10.47	0.06	9.86	7.76	28.15	56.00	27.85	QP
7	1.418	10.49	0.06	9.86	-0.51	19.90	46.00	26.10	Average
8	1.418	10.49	0.06	9.86	9.02	29.43	56.00	26.57	QP
9	1.980	10.51	0.08	9.86	-2.50	17.95	46.00	28.05	Average
10	1.980	10.51	0.08	9.86	5.72	26.17	56.00	29.83	QP
11	14.594	12.57	0.23	9.92	-1.59	21.13	50.00	28.87	Average
12	14.594	12.57	0.23	9.92	8.53	31.25	60.00	28.75	QP

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

測試日期	2019/08/02	環境溫/濕度	26°C/59%
測試電壓	DC 5V (經充電盒供電)		



Site no. : No.8 Shielded Room Data no. : 1
Condition : ENV4200 100169 LISN Phase : LINE
Limit : LP0002
Env. / Ins. : 26°C / 59% ESR3 (1774) Engineer : Chucky Chiu
EUT : WF-H800
Power Rating : DC 5V(VIA USB)
Test Mode : Charge

	Freq. (MHz)	AMN Factor (dB)	Cable Loss (dB)	Pulse Att. (dB)	Reading (dBμV)	Emission Level (dBμV)	Limits (dBμV)	Margin (dB)	Remark
1	0.172	10.58	0.03	9.86	-3.89	16.58	54.86	38.28	Average
2	0.172	10.58	0.03	9.86	11.12	31.59	64.86	33.27	QP
3	0.260	10.51	0.03	9.86	2.15	22.55	51.42	28.87	Average
4	0.260	10.51	0.03	9.86	10.08	30.48	61.42	30.94	QP
5	0.413	10.45	0.04	9.86	7.45	27.80	47.59	19.79	Average
6	0.413	10.45	0.04	9.86	16.78	37.13	57.59	20.46	QP
7	1.381	10.43	0.06	9.86	-0.87	19.48	46.00	26.52	Average
8	1.381	10.43	0.06	9.86	9.02	29.37	56.00	26.63	QP
9	2.023	10.45	0.08	9.86	-2.25	18.14	46.00	27.86	Average
10	2.023	10.45	0.08	9.86	6.52	26.91	56.00	29.09	QP
11	14.288	12.16	0.23	9.92	-0.42	21.89	50.00	28.11	Average
12	14.288	12.16	0.23	9.92	9.54	31.85	60.00	28.15	QP

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

2. 場強輻射之量測

【經實驗室評估量測後，以最差之調變方式 GFSK 進行本章節之測試】

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(側立)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 2.1 ~2.2：

模式	動作狀態	基本頻率	量測頻率範圍
---	充電	---	30-1000MHz
BT (GFSK)	Normal	---	30-1000MHz
			1000-25000MHz
	發射 (左耳機 L)	2402MHz (CH0)*	30-1000MHz
			1000-25000MHz
		2441MHz (CH39)	1000-25000MHz
		2480MHz (CH78)	1000-25000MHz
	接收 (左耳機 L)	2441MHz(CH39)	30-1000MHz
			1000-25000MHz
	發射 (右耳機 R)	2402MHz (CH0)*	30-1000MHz
			1000-25000MHz
		2441MHz (CH39)	1000-25000MHz
		2480MHz (CH78)	1000-25000MHz
	接收 (右耳機 R)	2441MHz(CH39)	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 2.3。

模式	動作狀態	基本頻率	量測頻率範圍
BT (GFSK)	發射 (左耳機 L)	2402MHz (CH0)	2310-2410MHz
		2480MHz (CH78)	2430-2530MHz
BT (8-DPSK)		2402MHz (CH0)	2310-2410MHz
		2480MHz (CH78)	2430-2530MHz
BT (GFSK)	發射 (右耳機 R)	2402MHz (CH0)	2310-2410MHz
		2480MHz (CH78)	2430-2530MHz
BT (8-DPSK)		2402MHz (CH0)	2310-2410MHz
		2480MHz (CH78)	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)		

2.1. 30-1000MHz 頻率範圍，其他不必要發射量測

Mode	充電	Frequency	---
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Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
32.91	23.73	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	GFSK (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
35.82	21.86	1.31	2.75	25.92	40.00	14.08	Peak
167.74	16.05	3.10	17.41	36.56	43.50	6.94	Peak
312.27	20.07	4.63	12.09	36.79	46.00	9.21	Peak
331.67	20.63	4.93	7.57	33.13	46.00	12.87	Peak
586.78	24.64	6.86	1.83	33.33	46.00	12.67	Peak
973.81	27.87	8.89	1.32	38.08	54.00	15.92	Peak

Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
31.94	24.34	1.23	2.17	27.74	40.00	12.26	Peak
120.21	18.63	2.53	6.23	27.39	43.50	16.11	Peak
316.15	20.20	4.69	1.58	26.47	46.00	19.53	Peak
593.57	24.70	6.87	2.04	33.61	46.00	12.39	Peak
866.14	27.04	8.27	2.22	37.53	46.00	8.47	Peak
982.54	27.94	8.94	2.64	39.52	54.00	14.48	Peak

Mode	GFSK (左耳機 L)	Frequency	RX 2441MHz
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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	0.87	27.11	40.00	12.89	Peak
167.74	16.05	3.10	9.03	28.18	43.50	15.32	Peak
312.27	20.07	4.63	11.15	35.85	46.00	10.15	Peak
639.16	25.04	7.08	2.31	34.43	46.00	11.57	Peak
820.55	26.68	8.02	2.32	37.02	46.00	8.98	Peak
968.96	27.84	8.86	2.02	38.72	54.00	15.28	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	1.70	27.94	40.00	12.06	Peak
123.12	18.46	2.57	2.02	23.05	43.50	20.45	Peak
388.90	22.14	5.73	1.59	29.46	46.00	16.54	Peak
551.86	24.27	6.82	1.99	33.08	46.00	12.92	Peak
817.64	26.65	8.00	2.26	36.91	46.00	9.09	Peak
979.63	27.92	8.92	2.21	39.05	54.00	14.95	Peak

Mode	GFSK (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
31.94	24.34	1.23	0.70	26.27	40.00	13.73	Peak
167.74	16.05	3.10	17.12	36.27	43.50	7.23	Peak
312.27	20.07	4.63	12.44	37.14	46.00	8.86	Peak
335.55	20.76	4.99	5.05	30.80	46.00	15.20	Peak
616.85	24.88	6.97	1.60	33.45	46.00	12.55	Peak
993.21	28.02	9.00	1.02	38.04	54.00	15.96	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
35.82	21.86	1.31	1.66	24.83	40.00	15.17	Peak
120.21	18.63	2.53	6.53	27.69	43.50	15.81	Peak
294.81	19.62	4.38	2.13	26.13	46.00	19.87	Peak
513.06	23.86	6.77	1.98	32.61	46.00	13.39	Peak
849.65	26.92	8.18	1.76	36.86	46.00	9.14	Peak
963.14	27.79	8.83	1.83	38.45	54.00	15.55	Peak

Mode	GFSK (右耳機 R)	Frequency	RX 2441MHz
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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	1.88	26.86	40.00	13.14	Peak
167.74	16.05	3.10	9.88	29.03	43.50	14.47	Peak
312.27	20.07	4.63	11.83	36.53	46.00	9.47	Peak
328.76	20.56	4.89	8.04	33.49	46.00	12.51	Peak
513.06	23.86	6.77	1.95	32.58	46.00	13.42	Peak
982.54	27.94	8.94	1.12	38.00	54.00	16.00	Peak

Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
39.70	19.83	1.38	2.08	23.29	40.00	16.71	Peak
132.82	17.94	2.69	1.53	22.16	43.50	21.34	Peak
218.18	17.27	3.62	3.06	23.95	46.00	22.05	Peak
439.34	22.94	6.24	2.12	31.30	46.00	14.70	Peak
737.13	25.85	7.57	2.41	35.83	46.00	10.17	Peak
969.93	27.84	8.87	1.89	38.60	54.00	15.40	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	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	GFSK (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	-2.24	41.99	54.00	12.01	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	-1.97	42.26	54.00	11.74	Peak

Mode	GFSK (左耳機 L)	Frequency	TX 2441MHz
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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
4882.00	34.36	10.38	-3.15	41.59	54.00	12.41	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
4882.00	34.36	10.38	-2.23	42.51	54.00	11.49	Peak

Mode	GFSK (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	-2.96	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
4960.00	34.32	10.45	-3.18	41.59	54.00	12.41	Peak

Mode	GFSK (左耳機 L)	Frequency	RX 2441MHz
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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
2312.00	32.00	8.15	5.25	45.40	54.00	8.60	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
2308.00	32.00	8.14	4.95	45.09	54.00	8.91	Peak

Mode	GFSK (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	-2.51	41.72	54.00	12.28	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	-1.71	42.52	54.00	11.48	Peak

Mode	GFSK (右耳機 R)	Frequency	TX 2441MHz
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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
4882.00	34.36	10.38	-2.30	42.44	54.00	11.56	Peak

Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
4882.00	34.36	10.38	-2.30	42.44	54.00	11.56	Peak

Mode	GFSK (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	-3.04	41.73	54.00	12.27	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
4960.00	34.32	10.45	-2.64	42.13	54.00	11.87	Peak

Mode	GFSK (右耳機 R)	Frequency	RX 2441MHz
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Antenna at Horizontal Polarization

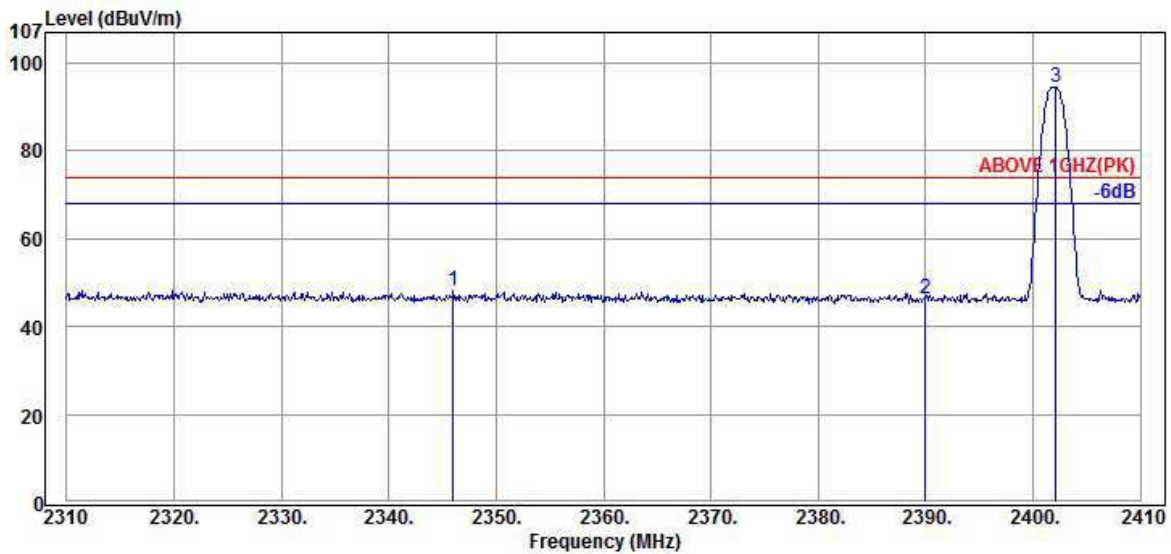
Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
2312.00	32.00	8.15	5.22	45.37	54.00	8.63	Peak

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
2346.00	32.00	8.16	5.03	45.19	54.00	8.81	Peak

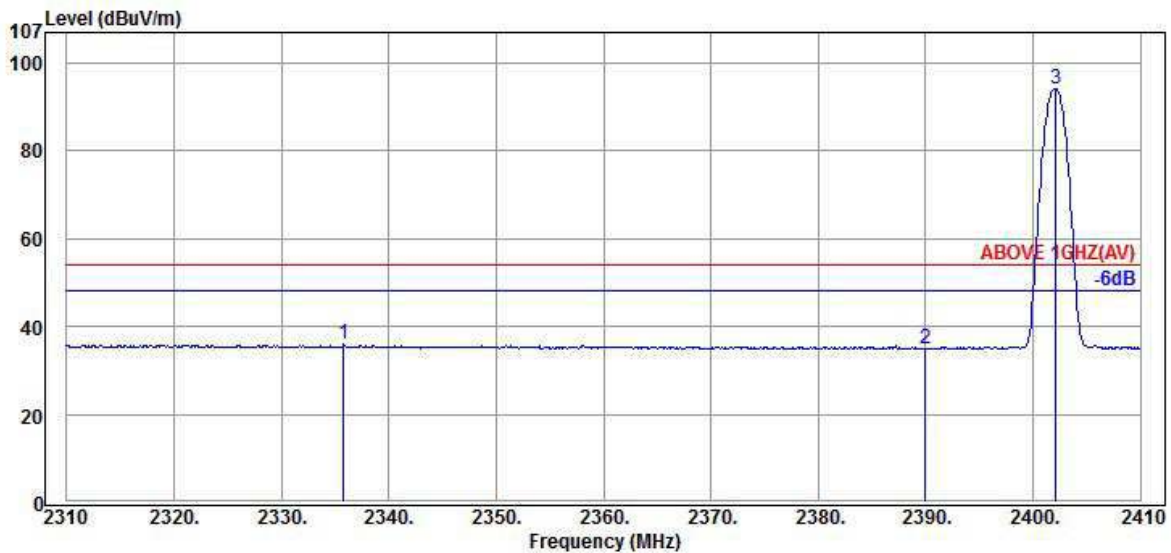
2.3. 禁用頻帶量測結果 (其他不必要發射)

Mode	GFSK (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
2346.00	32.00	8.16	7.91	48.07	74.00	25.93	Peak
2390.00	32.00	8.17	6.00	46.17	74.00	27.83	Peak
@ 2402.10	32.03	8.18	54.29	94.50	---	---	Peak

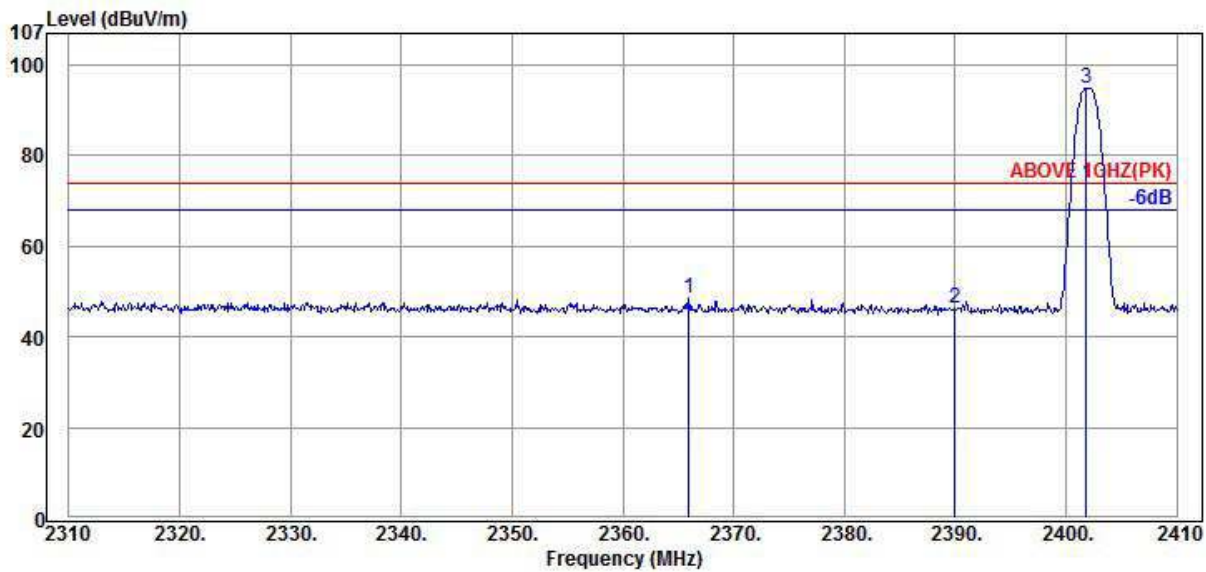


Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
2335.80	32.00	8.15	-4.28	35.87	54.00	18.13	Average
2390.00	32.00	8.17	-5.18	34.99	54.00	19.01	Average
@ 2402.10	32.03	8.18	54.09	94.30	---	---	Average

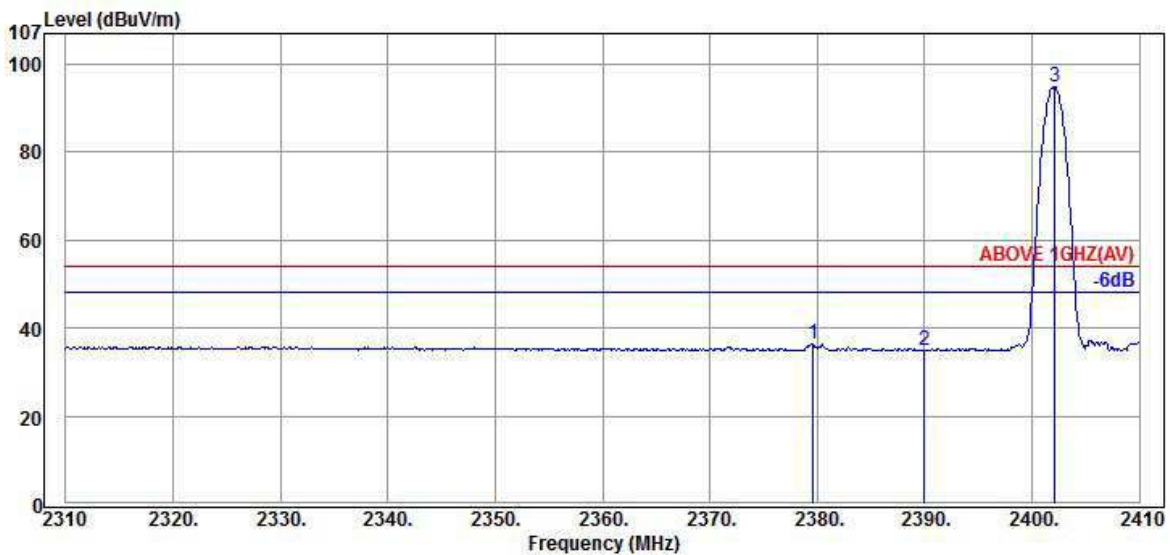
備註：“@”為主波，在此章節是不予以判定。

Mode	GFSK (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
2366.00	32.00	8.16	8.31	48.47	74.00	25.53	Peak
2390.00	32.00	8.17	6.32	46.49	74.00	27.51	Peak
@ 2401.80	32.03	8.18	54.83	95.04	---	---	Peak

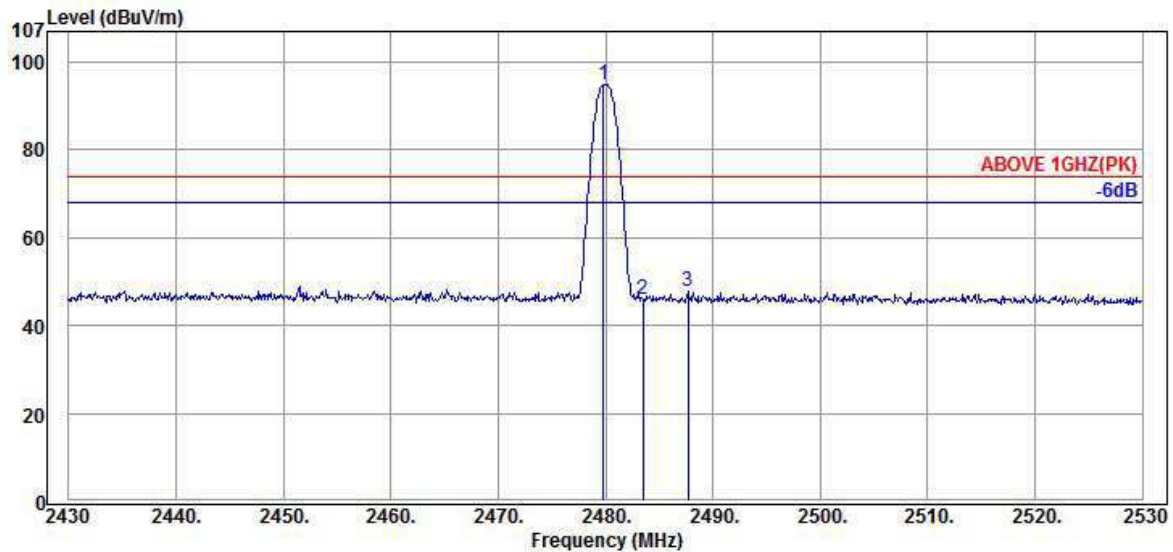


Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
2379.60	32.00	8.17	-3.82	36.35	54.00	17.65	Average
2390.00	32.00	8.17	-5.10	35.07	54.00	18.93	Average
@ 2402.10	32.03	8.18	54.62	94.83	---	---	Average

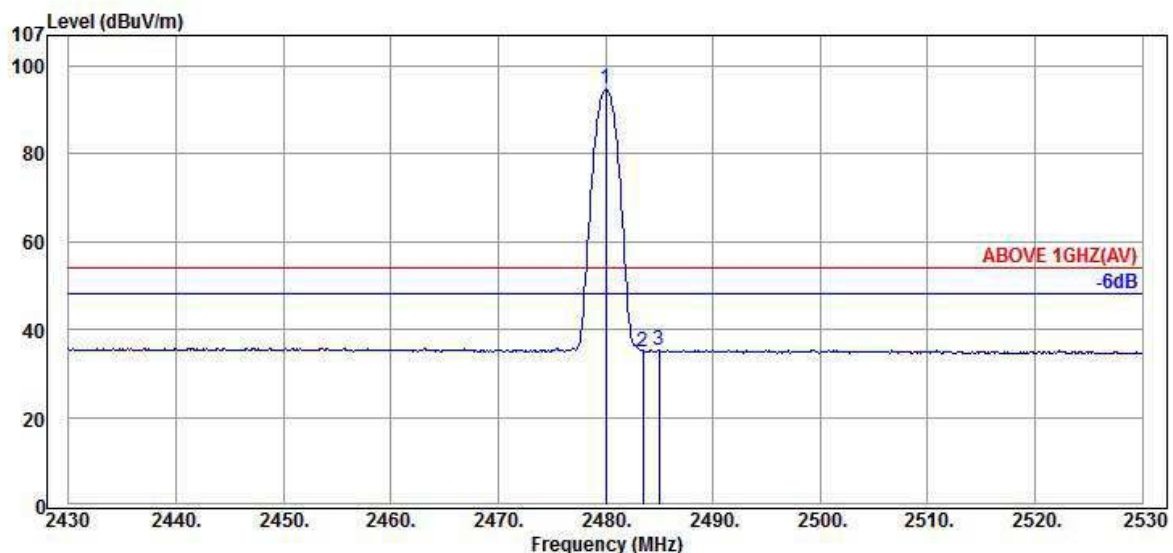
備註：“@”為主波，在此章節是不予以判定。

Mode	GFSK (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 (dBUV/m)	Limits (dBUV/m)	Margin (dB)	Detector
@	2479.80	32.58	8.20	54.06	94.84	---	---	Peak
	2483.50	32.57	8.20	5.16	45.93	74.00	28.07	Peak
	2487.70	32.55	8.21	6.91	47.67	74.00	26.33	Peak

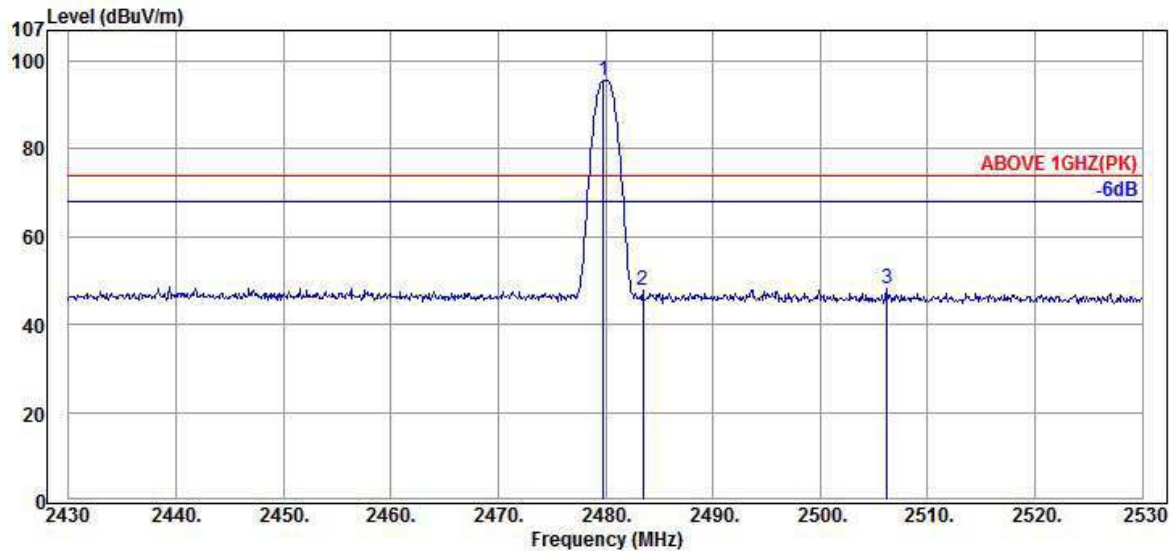


Antenna at Horizontal Polarization

	Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBUV/m)	Limits (dBUV/m)	Margin (dB)	Detector
@	2480.00	32.58	8.20	53.90	94.68	---	---	Average
	2483.50	32.57	8.20	-5.82	34.95	54.00	19.05	Average
	2485.00	32.56	8.20	-5.40	35.36	54.00	18.64	Average

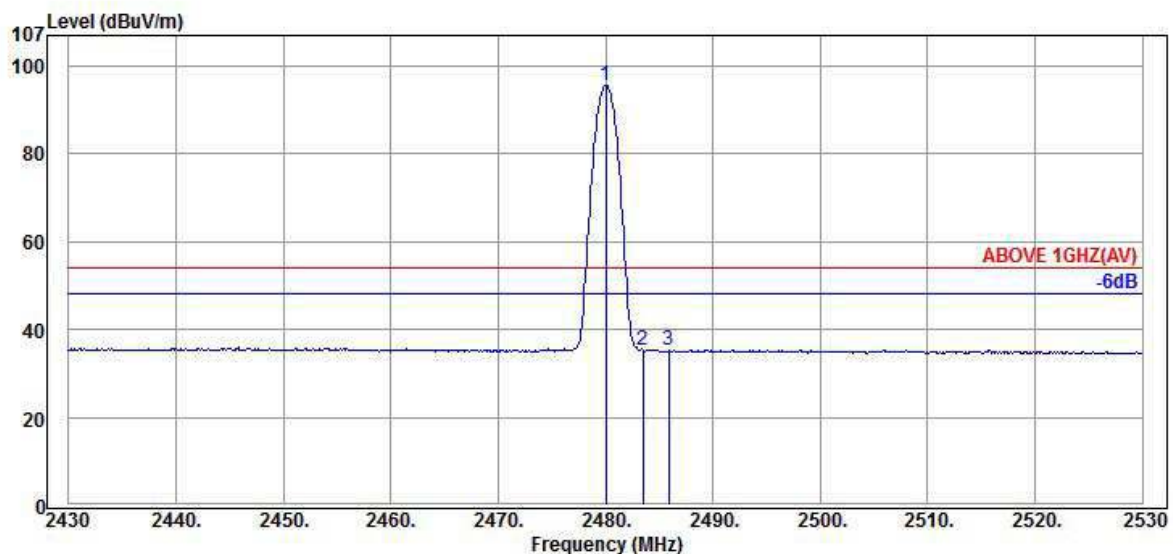
備註：“@”為主波，在此章節是不予以判定。

Mode	GFSK (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 (dBUV/m)	Limits (dBUV/m)	Margin (dB)	Detector
@	2479.80	32.58	8.20	54.94	95.72	---	---	Peak
	2483.50	32.57	8.20	7.07	47.84	74.00	26.16	Peak
	2506.20	32.43	8.22	7.51	48.16	74.00	25.84	Peak

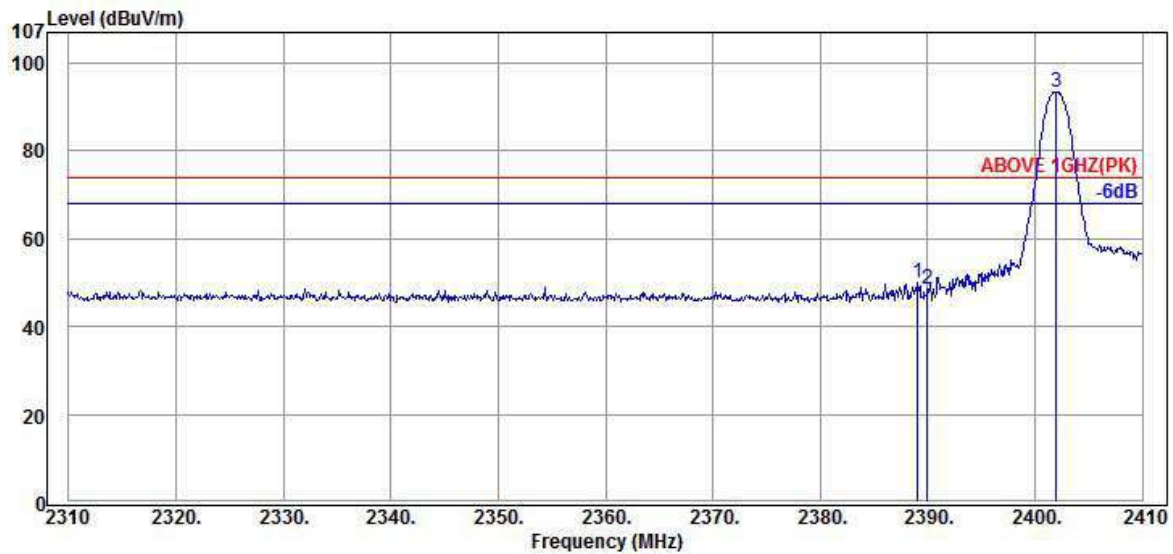


Antenna at Vertical Polarization

	Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBUV/m)	Limits (dBUV/m)	Margin (dB)	Detector
@	2480.00	32.58	8.20	54.86	95.64	---	---	Average
	2483.50	32.57	8.20	-5.43	35.34	54.00	18.66	Average
	2485.90	32.56	8.21	-5.32	35.45	54.00	18.55	Average

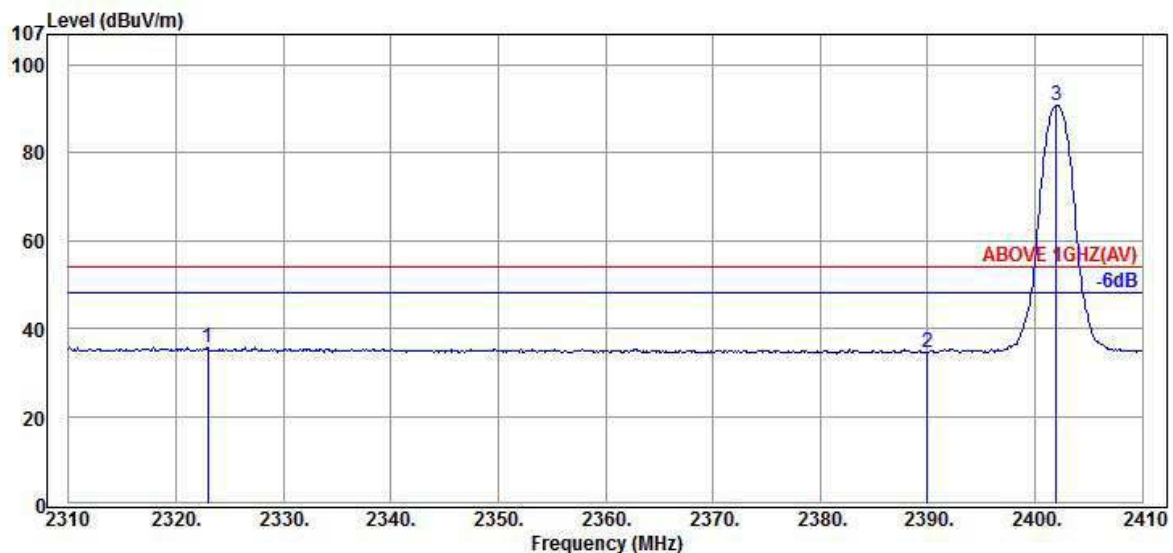
備註：“@”為主波，在此章節是不予以判定。

Mode	8-DPSK (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
2389.10	32.00	8.17	9.87	50.04	74.00	23.96	Peak
2390.00	32.00	8.17	8.34	48.51	74.00	25.49	Peak
@ 2402.00	32.03	8.18	53.23	93.44	---	---	Peak

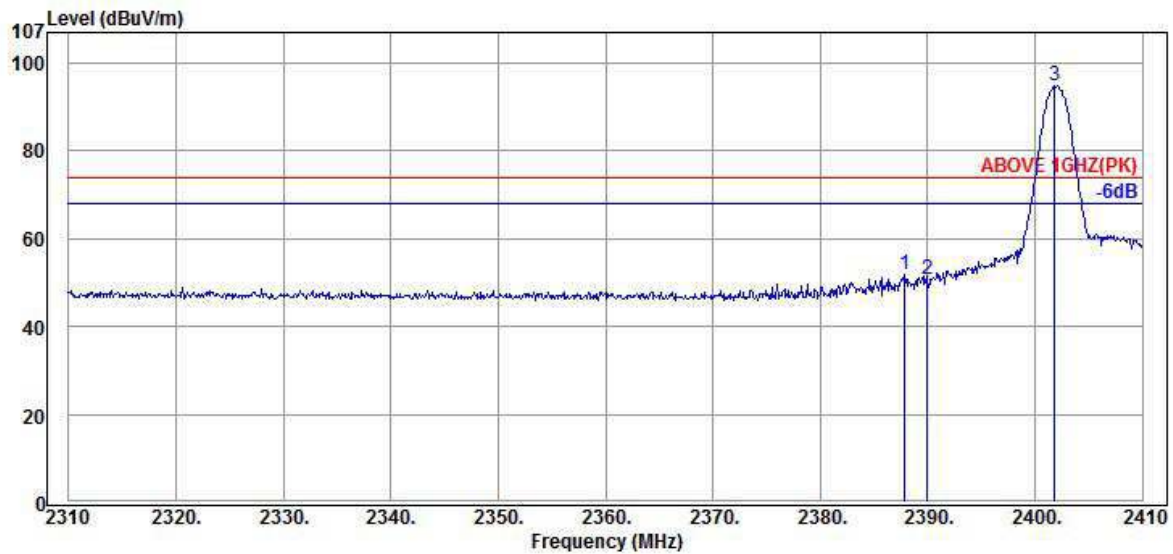


Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
2323.00	32.00	8.15	-4.38	35.77	54.00	18.23	Average
2390.00	32.00	8.17	-5.53	34.64	54.00	19.36	Average
@ 2402.00	32.03	8.18	50.59	90.80	---	---	Average

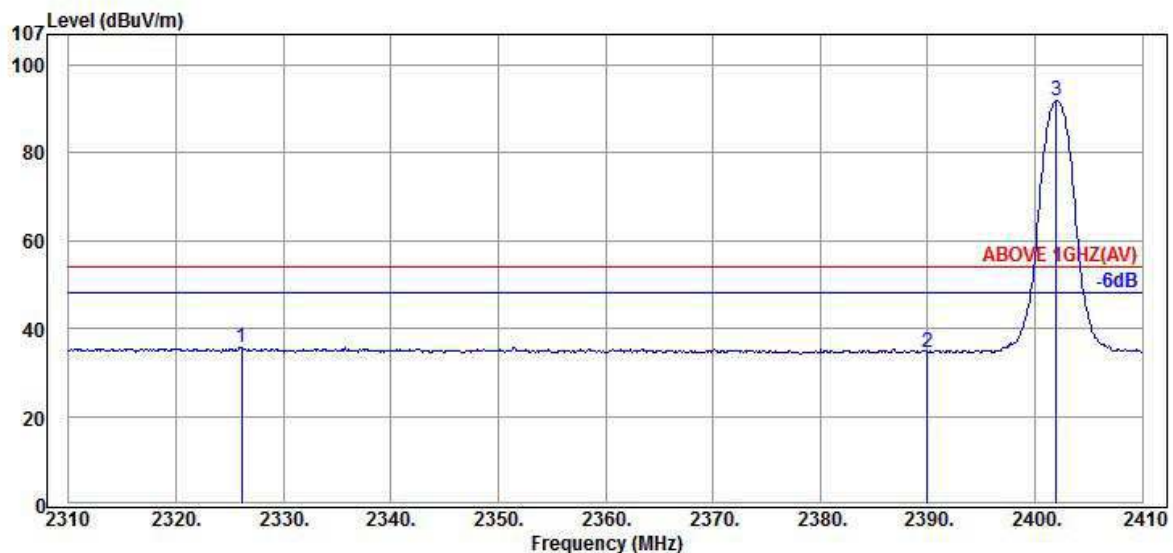
備註：“@”為主波，在此章節是不予以判定。

Mode	8-DPSK (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
2387.90	32.00	8.17	11.63	51.80	74.00	22.20	Peak
2390.00	32.00	8.17	10.63	50.80	74.00	23.20	Peak
@ 2401.80	32.03	8.18	54.56	94.77	---	---	Peak

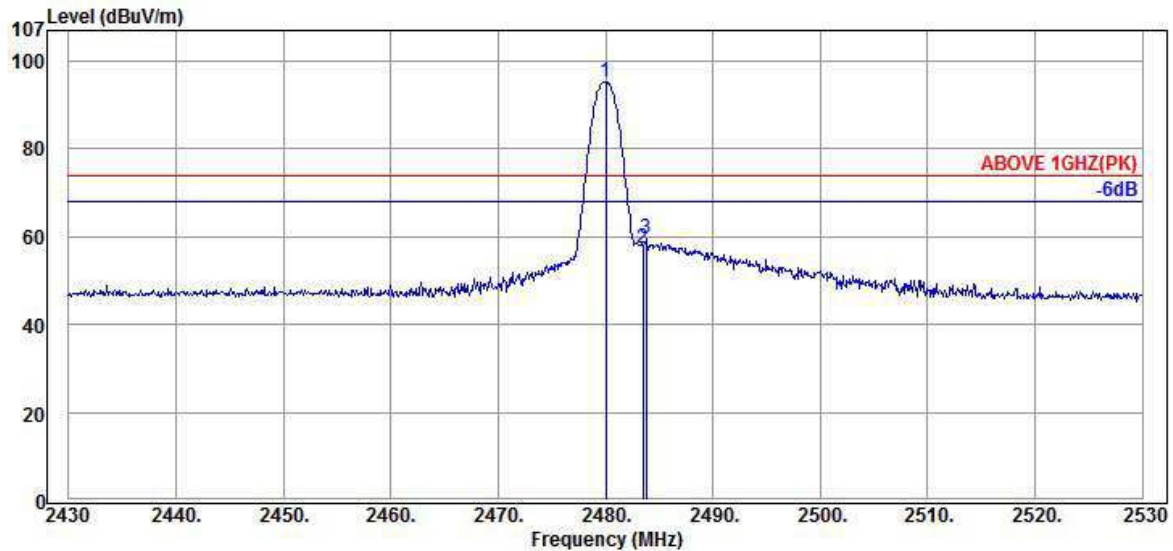


Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
2326.10	32.00	8.15	-4.50	35.65	54.00	18.35	Average
2390.00	32.00	8.17	-5.48	34.69	54.00	19.31	Average
@ 2402.00	32.03	8.18	51.60	91.81	---	---	Average

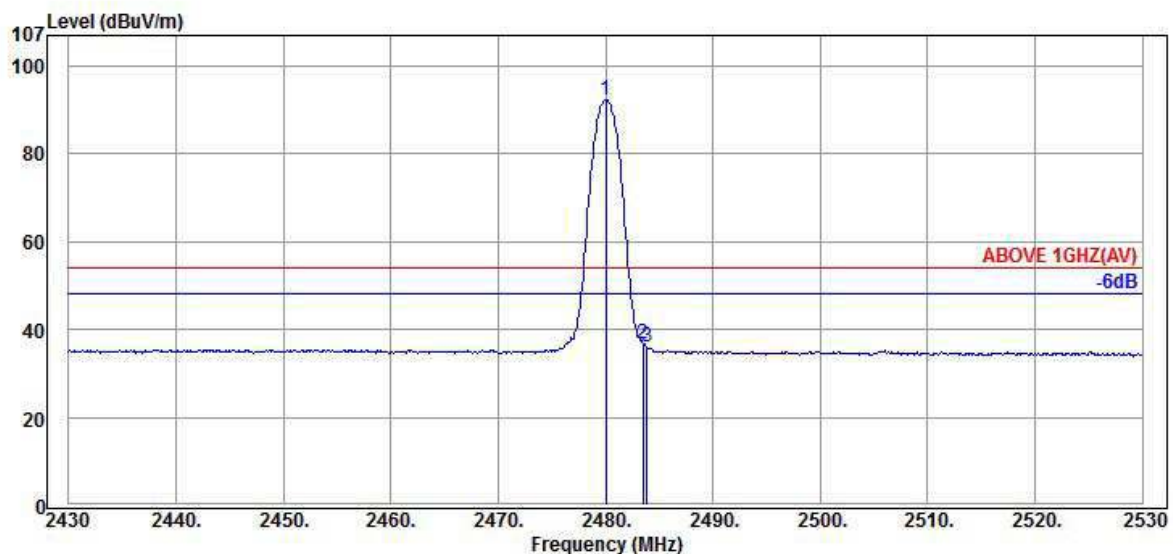
備註：“@”為主波，在此章節是不予以判定。

Mode	8-DPSK (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
@	2480.00	32.58	8.20	54.55	95.33	---	---	Peak
	2483.50	32.57	8.20	16.65	57.42	74.00	16.58	Peak
	2483.80	32.56	8.20	18.85	59.61	74.00	14.39	Peak

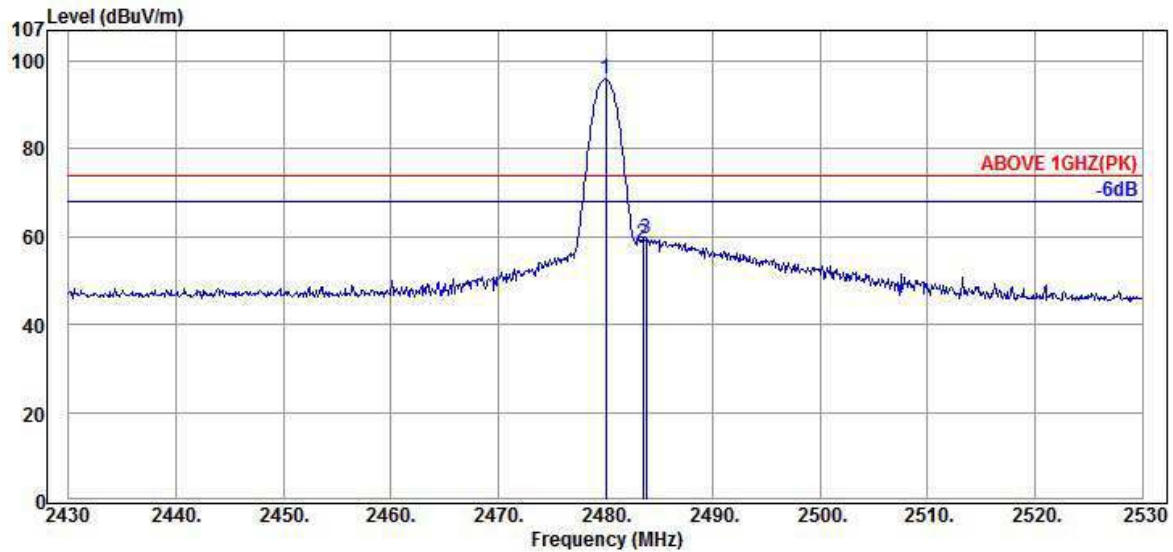


Antenna at Horizontal Polarization

	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	51.52	92.30	---	---	Average
	2483.50	32.57	8.20	-3.92	36.85	54.00	17.15	Average
	2483.90	32.56	8.20	-4.60	36.16	54.00	17.84	Average

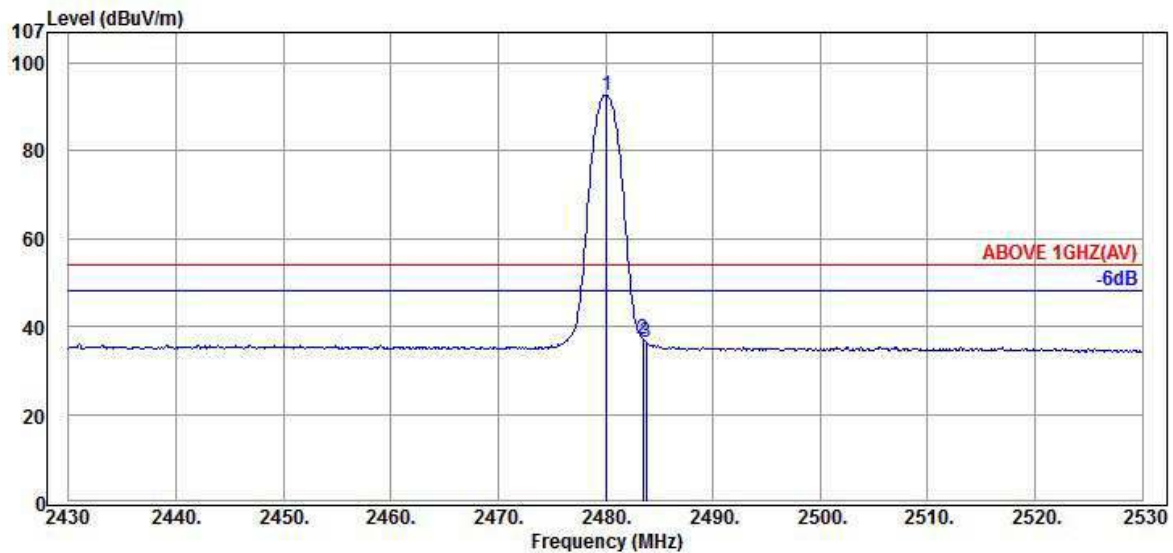
備註：“@”為主波，在此章節是不予以判定。

Mode	8-DPSK (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
@	2480.00	32.58	8.20	55.03	95.81	---	---	Peak
	2483.50	32.57	8.20	17.85	58.62	74.00	15.38	Peak
	2483.80	32.56	8.20	18.93	59.69	74.00	14.31	Peak

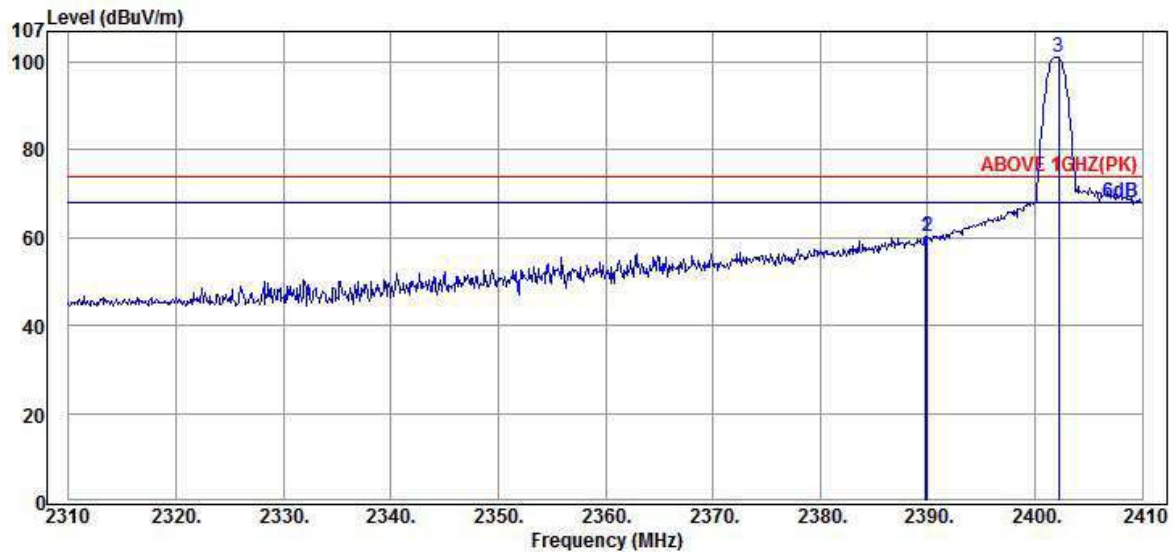


Antenna at Vertical Polarization

	Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@	2480.10	32.58	8.20	52.01	92.79	---	---	Average
	2483.50	32.57	8.20	-3.46	37.31	54.00	16.69	Average
	2483.80	32.56	8.20	-4.36	36.40	54.00	17.60	Average

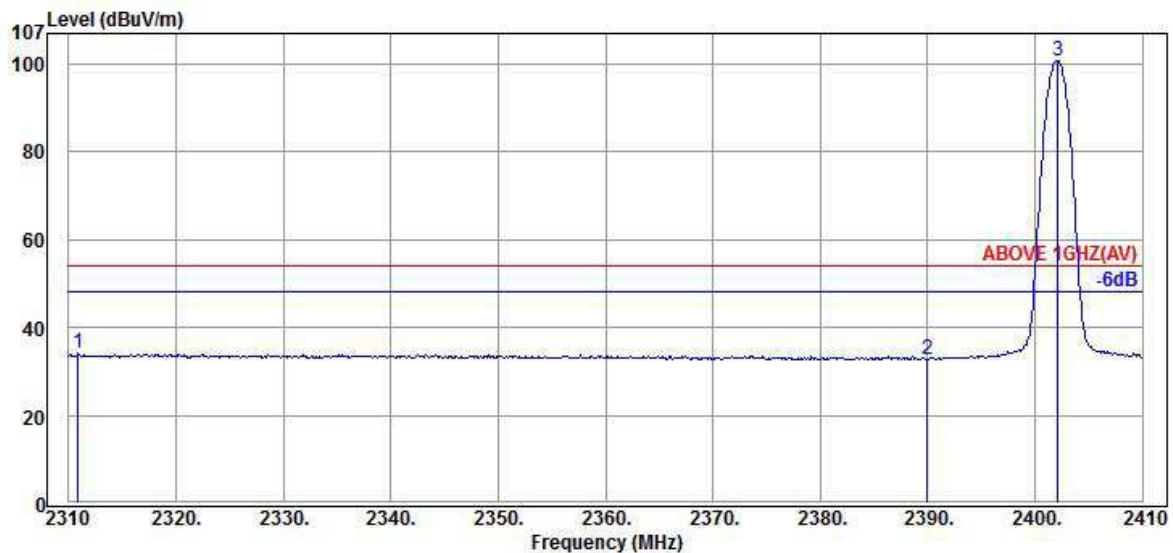
備註：“@”為主波，在此章節是不予以判定。

Mode	GFSK (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
2389.80	32.00	8.17	20.17	60.34	74.00	13.66	Peak
2390.00	32.00	8.17	19.97	60.14	74.00	13.86	Peak
@ 2402.20	32.03	8.18	60.77	100.98	---	---	Peak

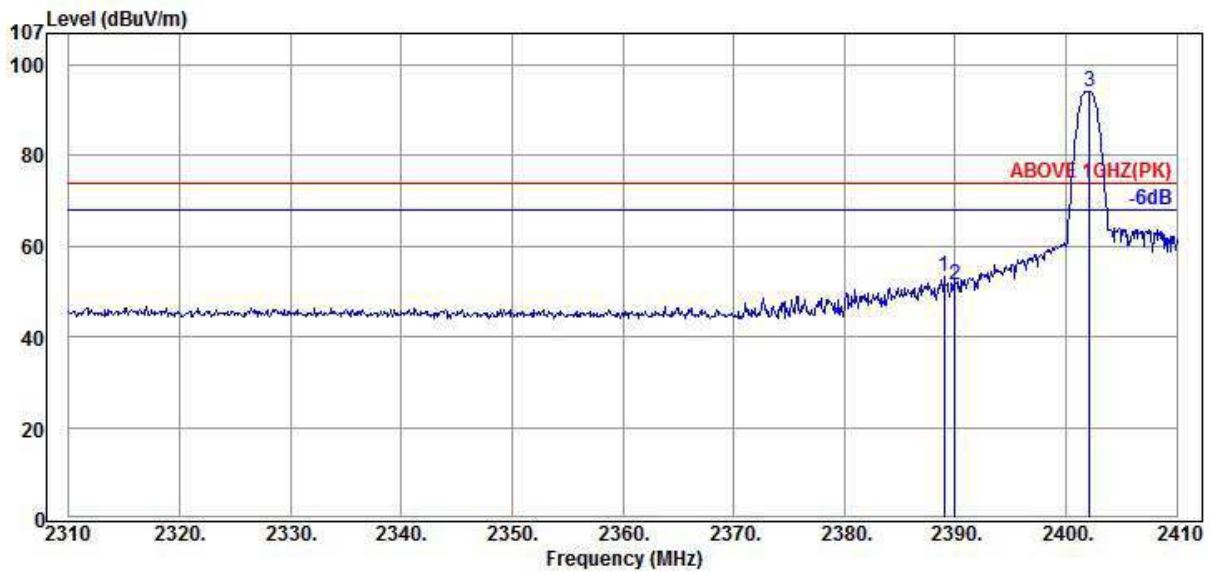


Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
2310.90	32.00	8.15	-5.87	34.28	54.00	19.72	Average
2390.00	32.00	8.17	-7.40	32.77	54.00	21.23	Average
@ 2402.10	32.03	8.18	60.62	100.83	---	---	Average

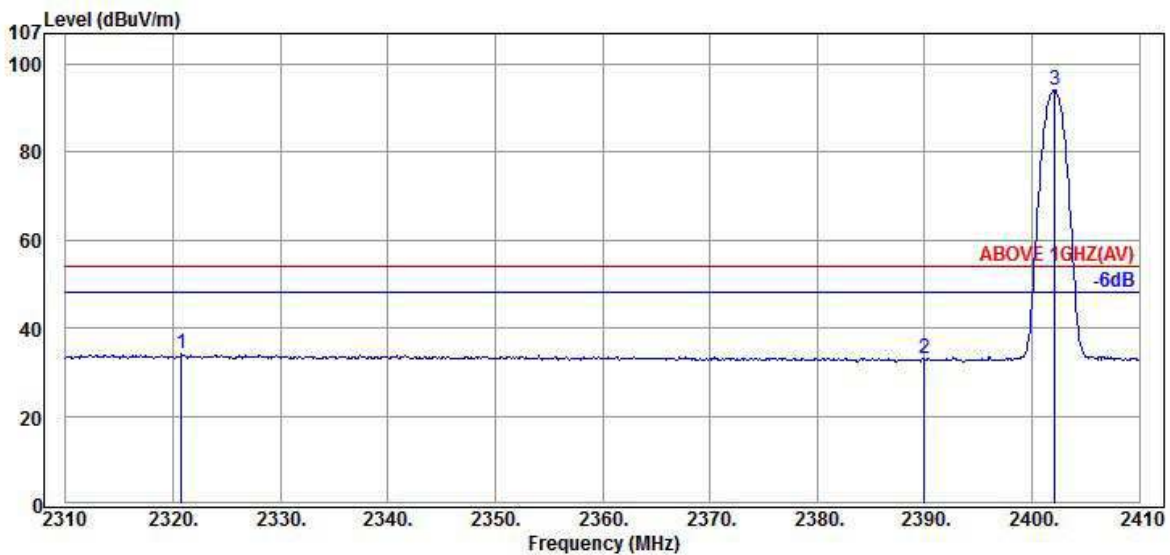
備註：“@”為主波，在此章節是不予以判定。

Mode	GFSK (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
2389.00	32.00	8.17	13.26	53.43	74.00	20.57	Peak
2390.00	32.00	8.17	11.43	51.60	74.00	22.40	Peak
@ 2402.10	32.03	8.18	54.07	94.28	---	---	Peak

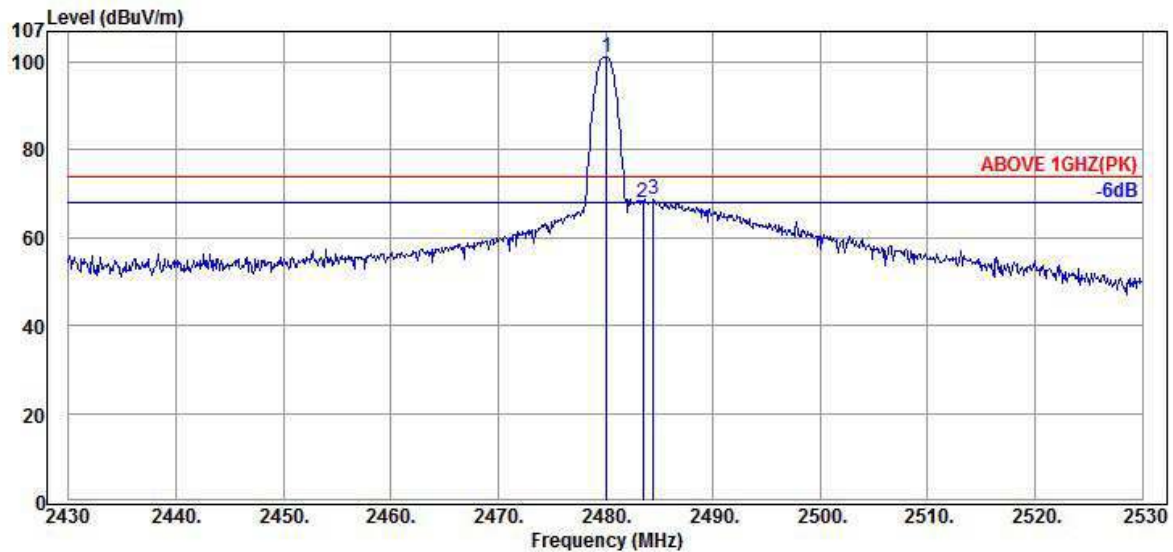


Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
2320.80	32.00	8.15	-6.06	34.09	54.00	19.91	Average
2390.00	32.00	8.17	-7.20	32.97	54.00	21.03	Average
@ 2402.10	32.03	8.18	53.86	94.07	---	---	Average

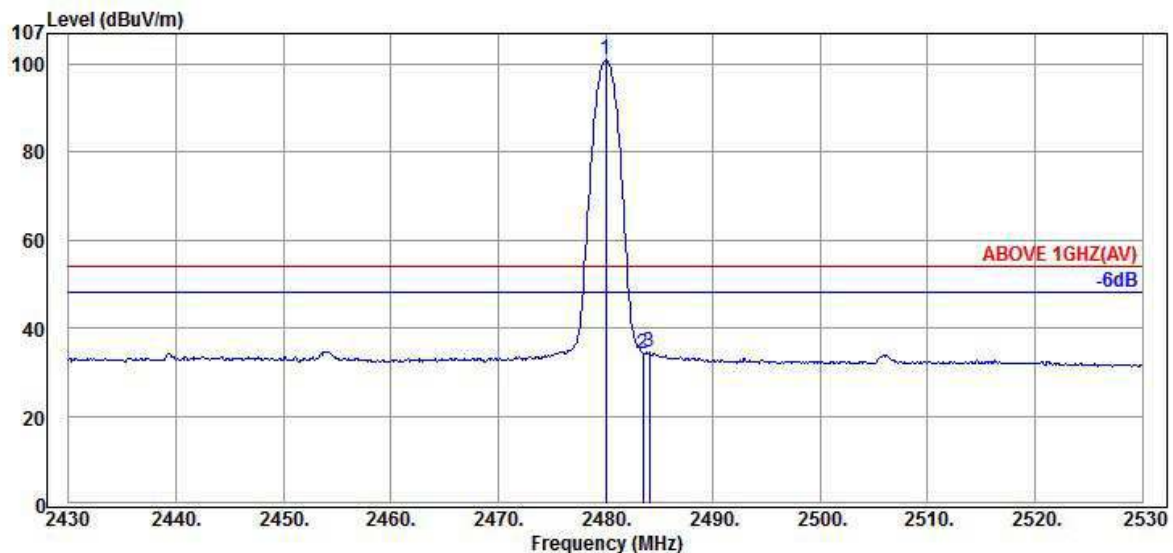
備註：“@”為主波，在此章節是不予以判定。

Mode	GFSK (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
@ 2480.10	32.58	8.20	60.33	101.11	---	---	Peak
2483.50	32.57	8.20	27.43	68.20	74.00	5.80	Peak
2484.50	32.56	8.20	27.82	68.58	74.00	5.42	Peak

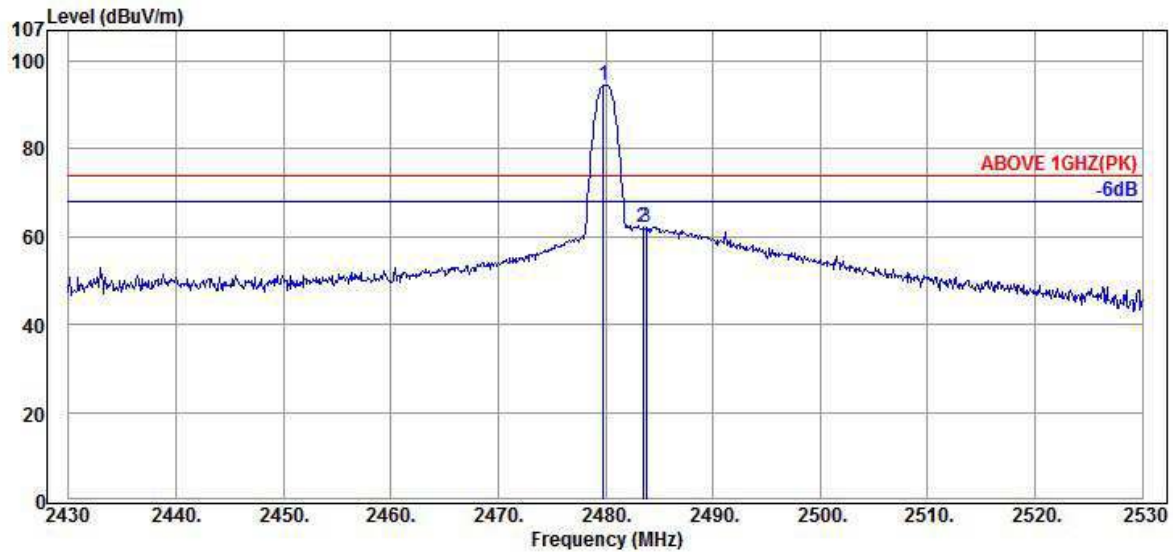


Antenna at Horizontal Polarization

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	60.15	100.93	---	---	Average
2483.50	32.57	8.20	-6.48	34.29	54.00	19.71	Average
2484.10	32.56	8.20	-6.28	34.48	54.00	19.52	Average

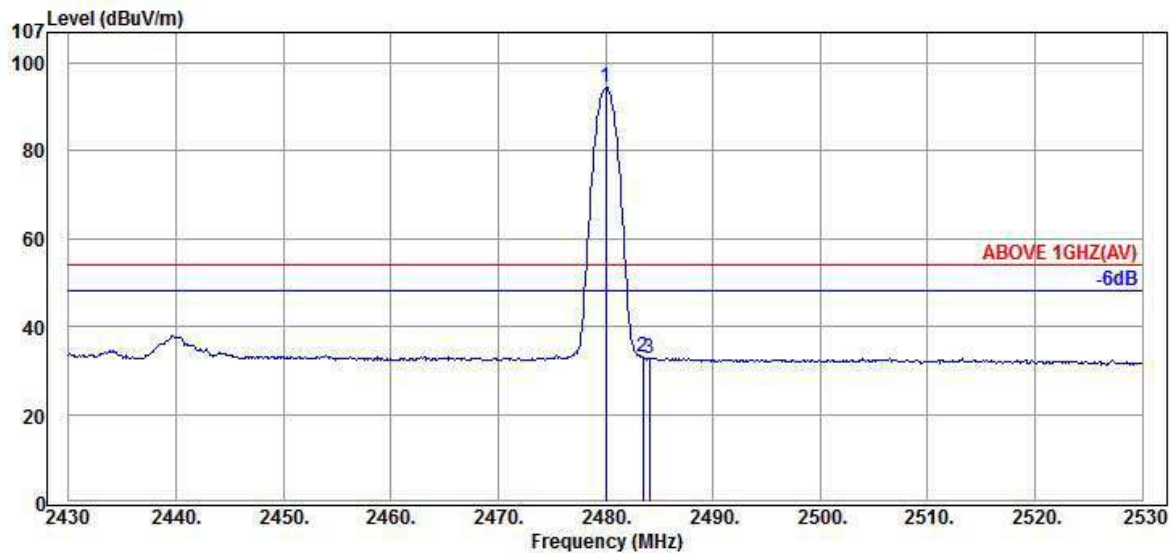
備註：“@”為主波，在此章節是不予以判定。

Mode	GFSK (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
@	2479.80	32.58	8.20	53.84	94.62	---	---	Peak
	2483.50	32.57	8.20	21.29	62.06	74.00	11.94	Peak
	2483.80	32.56	8.20	21.49	62.25	74.00	11.75	Peak

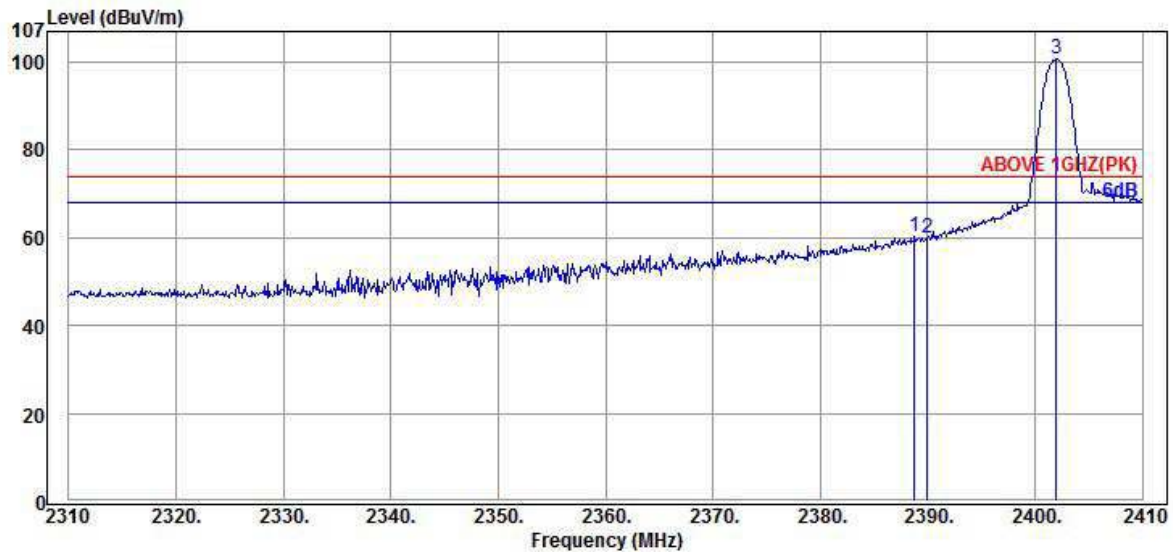


Antenna at Vertical Polarization

	Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@	2480.00	32.58	8.20	53.65	94.43	---	---	Average
	2483.50	32.57	8.20	-7.79	32.98	54.00	21.02	Average
	2484.10	32.56	8.20	-7.87	32.89	54.00	21.11	Average

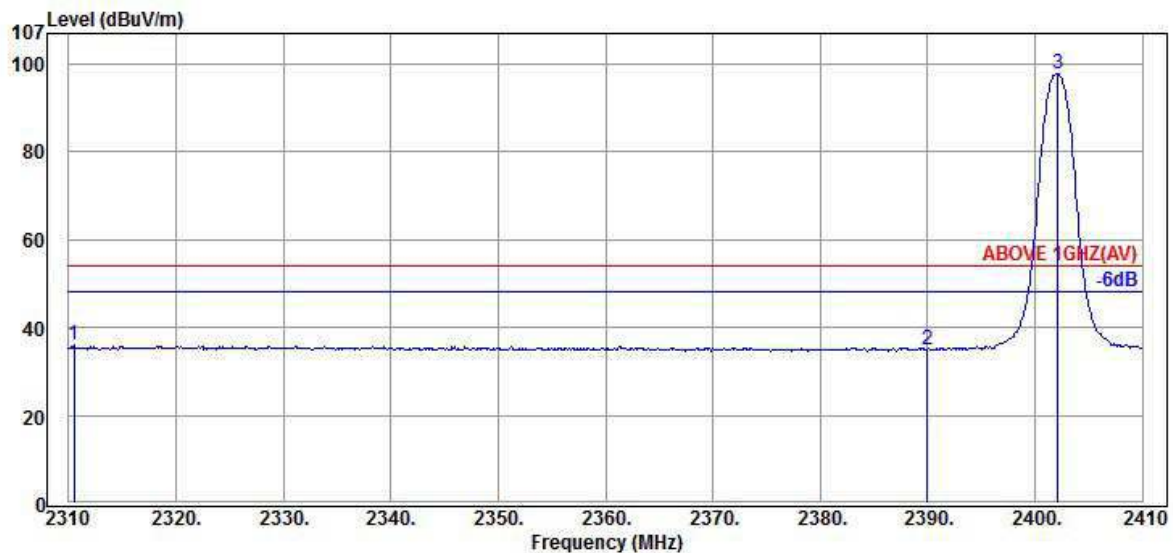
備註：“@”為主波，在此章節是不予以判定。

Mode	8-DPSK (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
2388.80	32.00	8.17	20.16	60.33	74.00	13.67	Peak
2390.00	32.00	8.17	19.84	60.01	74.00	13.99	Peak
@ 2402.00	32.03	8.18	60.44	100.65	---	---	Peak

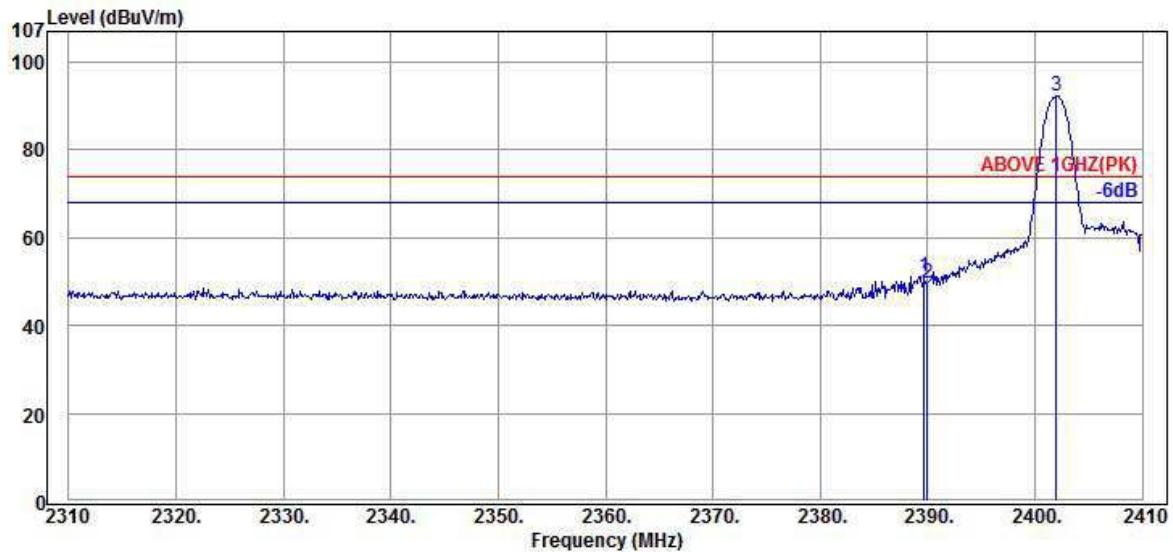


Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
2310.50	32.00	8.15	-4.29	35.86	54.00	18.14	Average
2390.00	32.00	8.17	-5.19	34.98	54.00	19.02	Average
@ 2402.10	32.03	8.18	57.66	97.87	---	---	Average

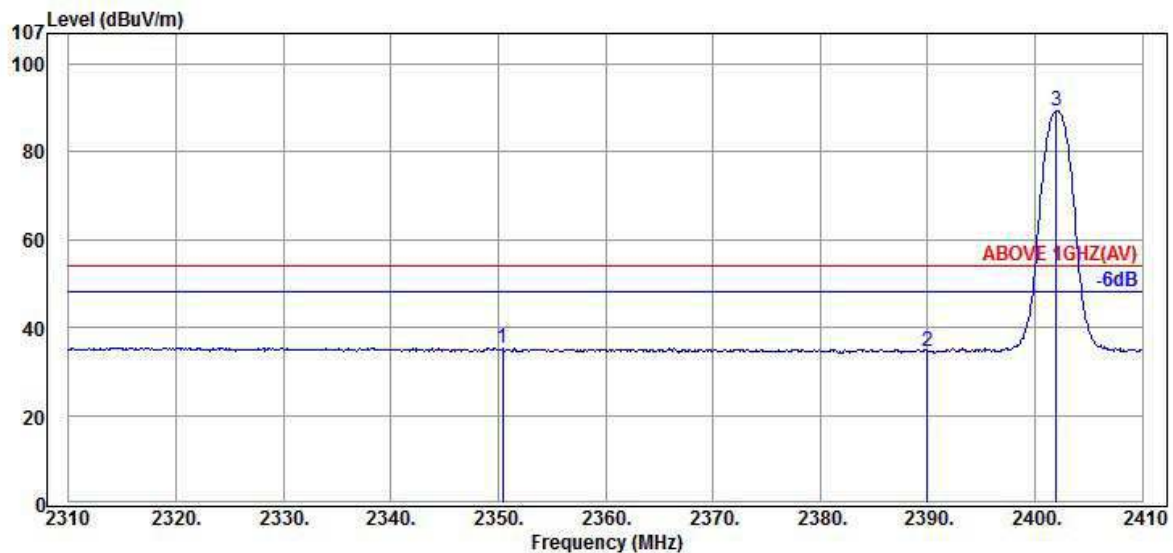
備註：“@”為主波，在此章節是不予以判定。

Mode	8-DPSK (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 (dBUV)	Emission Level (dBUV/m)	Limits (dBUV/m)	Margin (dB)	Detector
2389.70	32.00	8.17	10.99	51.16	74.00	22.84	Peak
2390.00	32.00	8.17	9.42	49.59	74.00	24.41	Peak
@ 2402.00	32.03	8.18	52.01	92.22	---	---	Peak

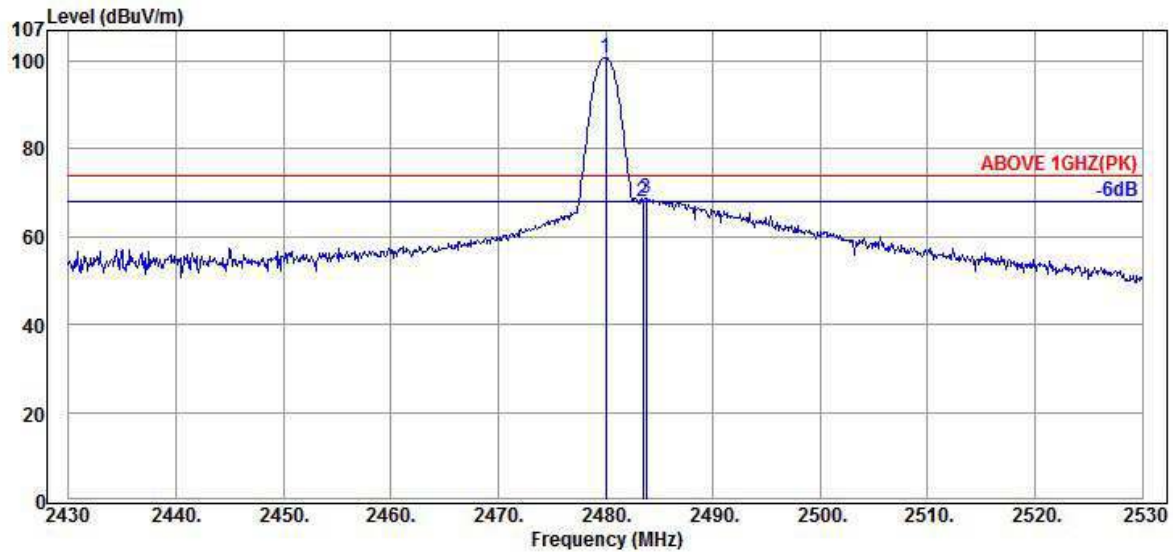


Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBUV)	Emission Level (dBUV/m)	Limits (dBUV/m)	Margin (dB)	Detector
2350.40	32.00	8.16	-4.69	35.47	54.00	18.53	Average
2390.00	32.00	8.17	-5.51	34.66	54.00	19.34	Average
@ 2402.00	32.03	8.18	49.22	89.43	---	---	Average

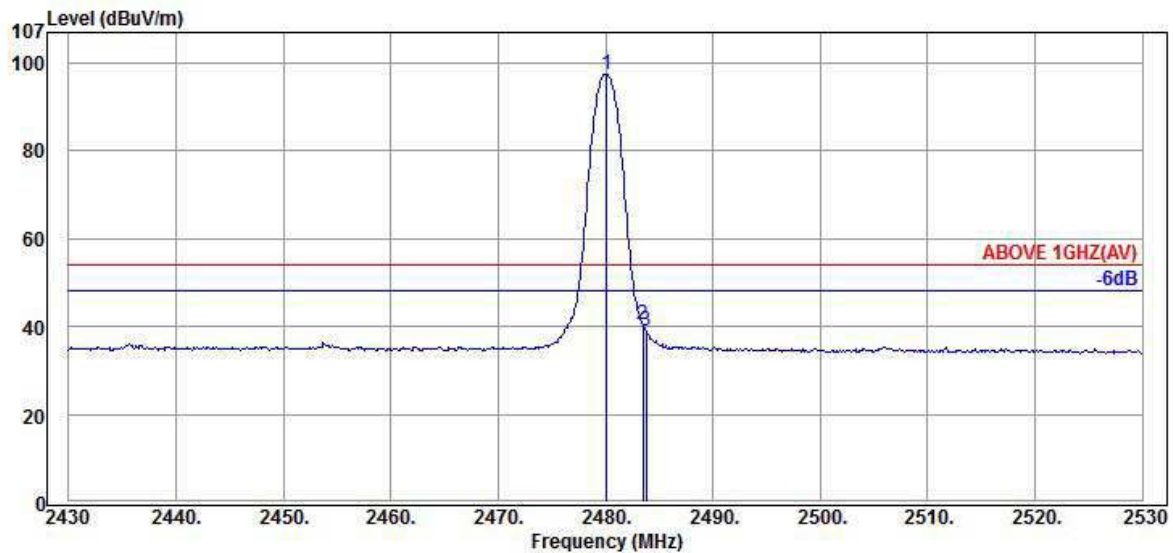
備註：“@”為主波，在此章節是不予以判定。

Mode	8-DPSK (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
@	2480.00	32.58	8.20	59.99	100.77	---	---	Peak
	2483.50	32.57	8.20	27.25	68.02	74.00	5.98	Peak
	2483.80	32.56	8.20	27.88	68.64	74.00	5.36	Peak

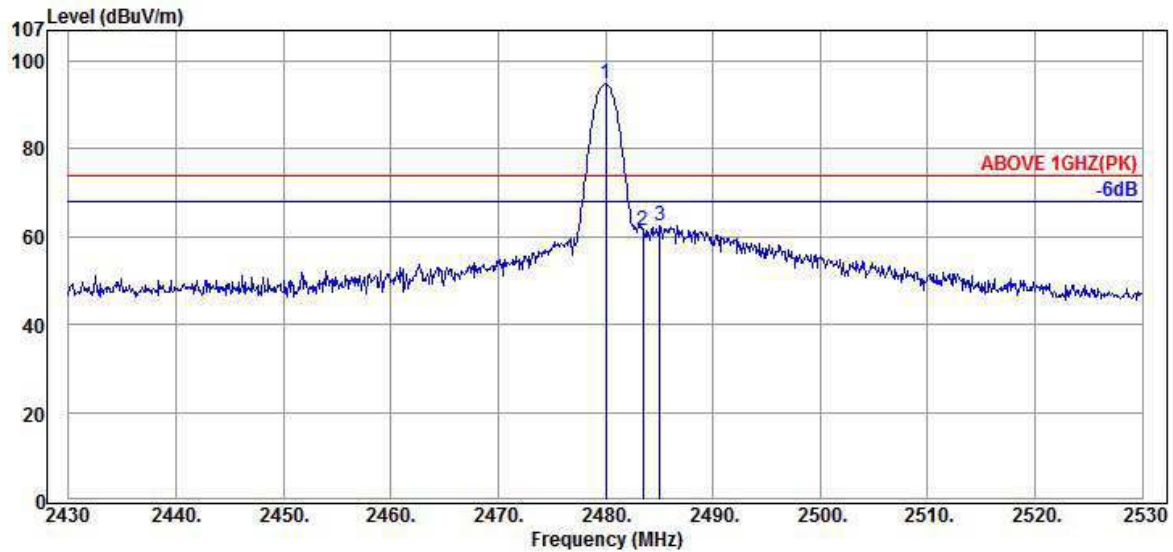


Antenna at Horizontal Polarization

	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	56.80	97.58	---	---	Average
	2483.50	32.57	8.20	-0.35	40.42	54.00	13.58	Average
	2483.80	32.56	8.20	-1.68	39.08	54.00	14.92	Average

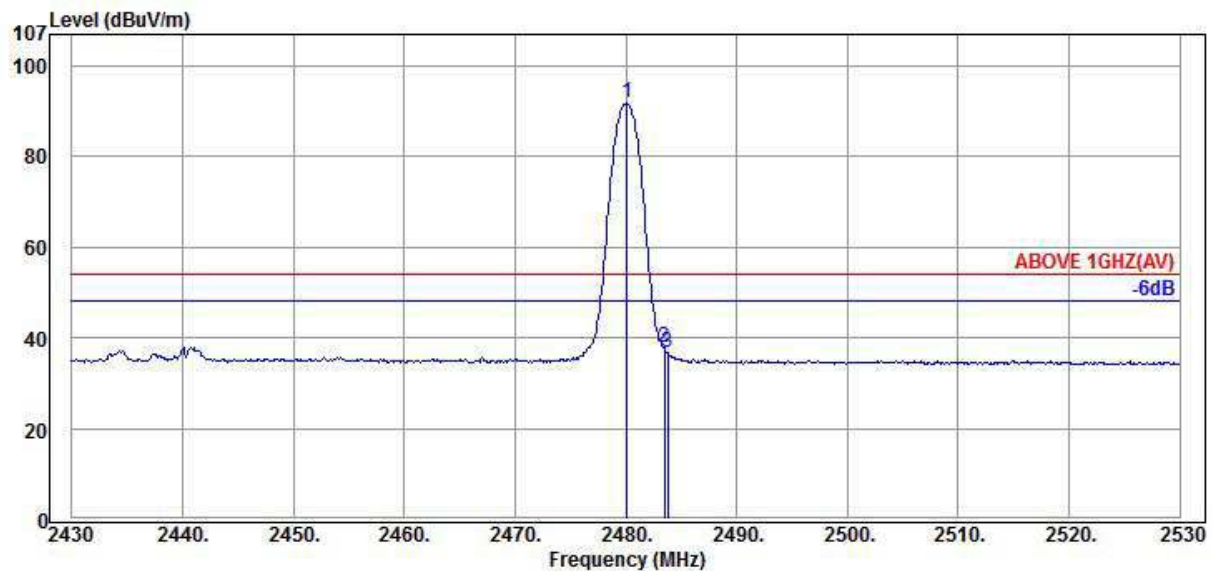
備註：“@”為主波，在此章節是不予以判定。

Mode	8-DPSK (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
@	2480.00	32.58	8.20	53.93	94.71	---	---	Peak
	2483.50	32.57	8.20	20.77	61.54	74.00	12.46	Peak
	2485.10	32.56	8.20	21.85	62.61	74.00	11.39	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
@	2480.10	32.58	8.20	51.00	91.78	---	---	Average
	2483.50	32.57	8.20	-2.89	37.88	54.00	16.12	Average
	2483.80	32.56	8.20	-3.95	36.81	54.00	17.19	Average

備註：“@”為主波，在此章節是不予以判定。

3. 20dB 頻寬之量測

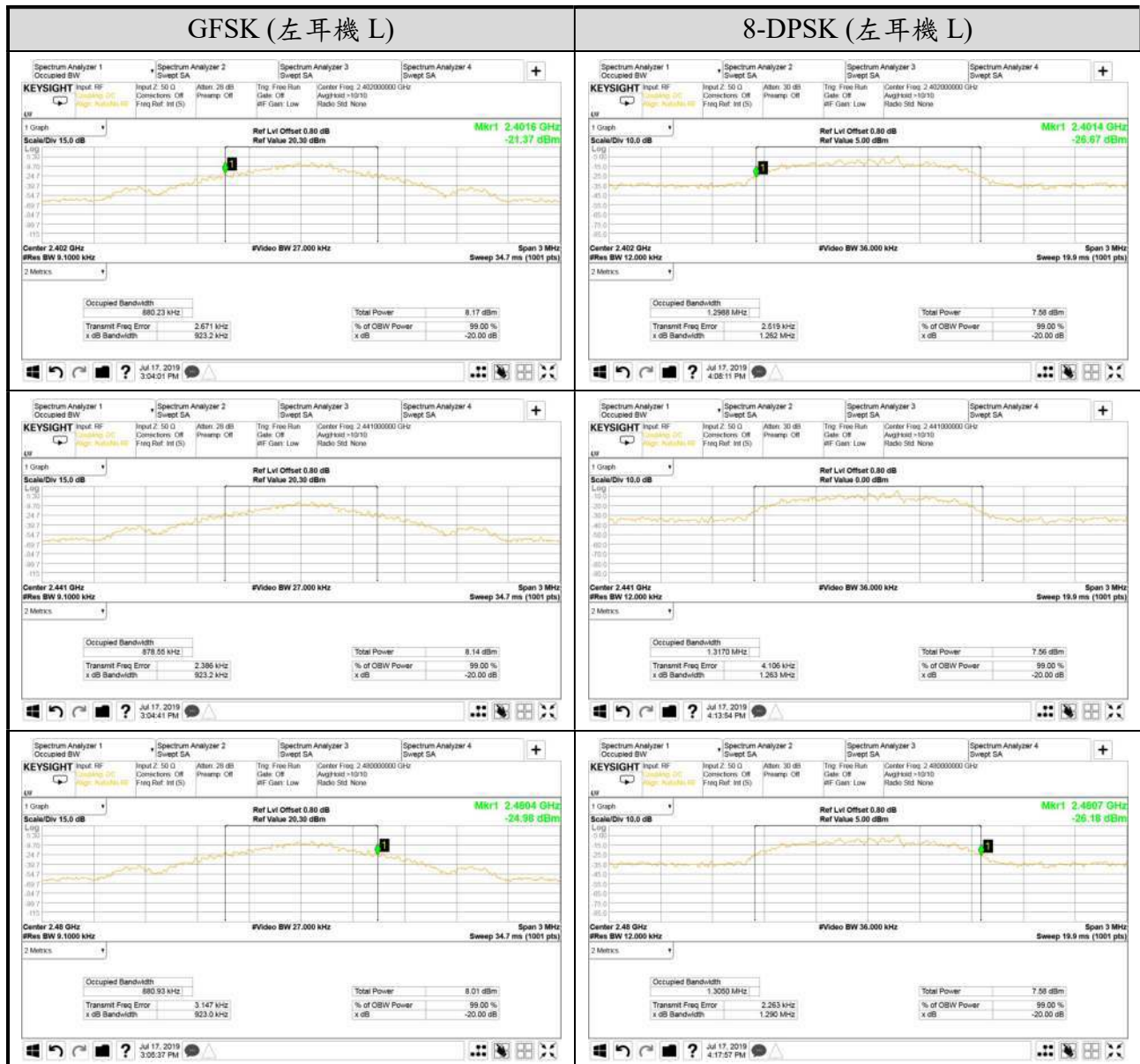
測試日期	2019/07/17 ~ 08/06	環境溫/濕度	25°C/46%
電纜損失	0.80dB	測試電壓	DC 3.7V (透過內建鋰電池供電)

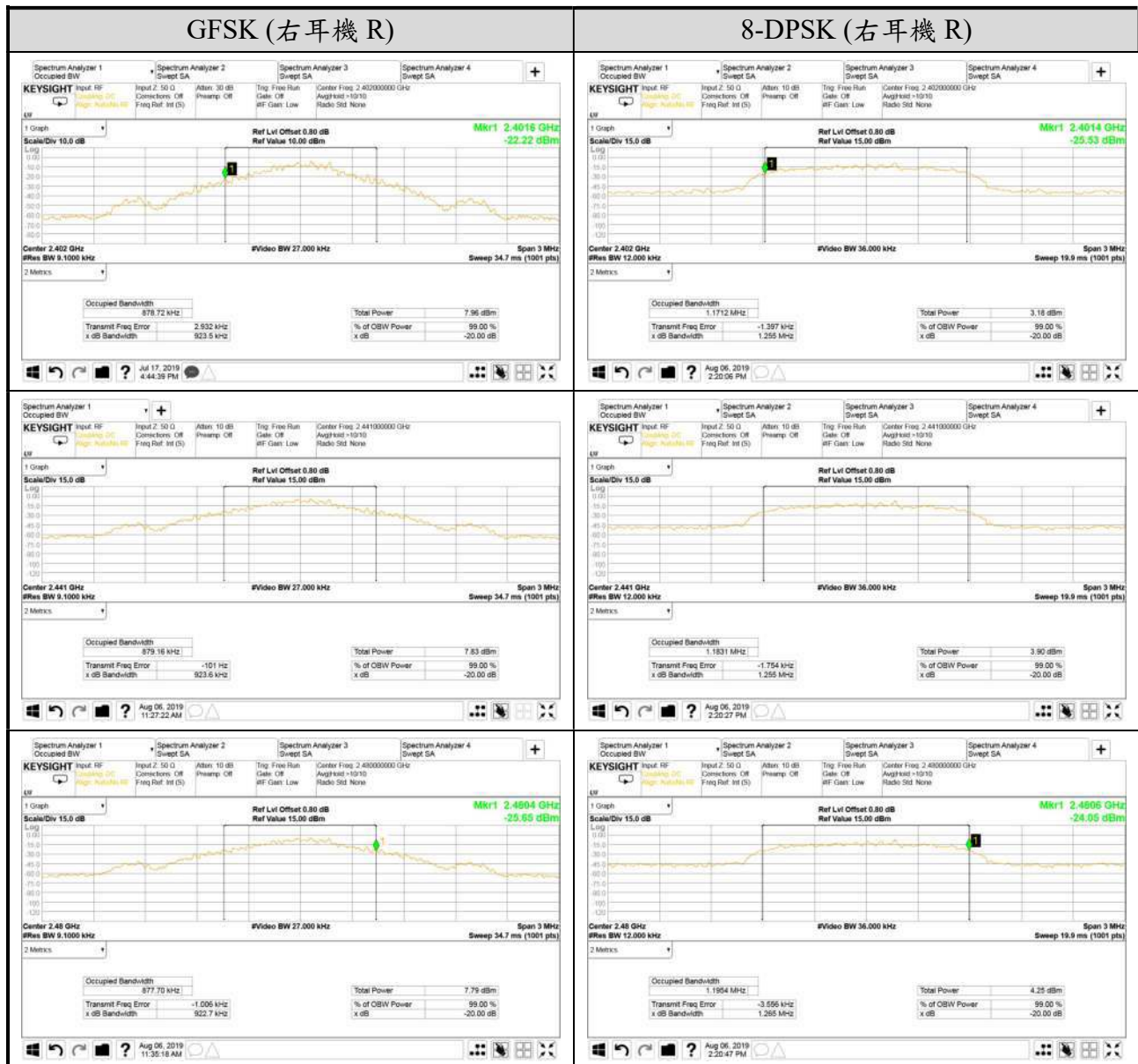
3.1. 20dB 頻寬

模式	測試頻率 (MHz)	20dB 頻寬 (MHz)	頻道間隔參考限制值 2/3 (20dB 頻寬) (MHz)
GFSK (左耳機 L)	2402	0.9232	0.615
	2441	0.9232	0.615
	2480	0.9230	0.615
GFSK (右耳機 R)	2402	0.9235	0.616
	2441	0.9236	0.616
	2480	0.9227	0.615

模式	測試頻率 (MHz)	20dB 頻寬 (MHz)	頻道間隔參考限制值 2/3 (20dB 頻寬) (MHz)
8-DPSK (左耳機 L)	2402	1.262	0.841
	2441	1.263	0.842
	2480	1.290	0.860
8-DPSK (右耳機 R)	2402	1.255	0.837
	2441	1.255	0.837
	2480	1.265	0.843

3.2. 20dB 頻寬之量測圖





4. 載波頻率間隔之量測

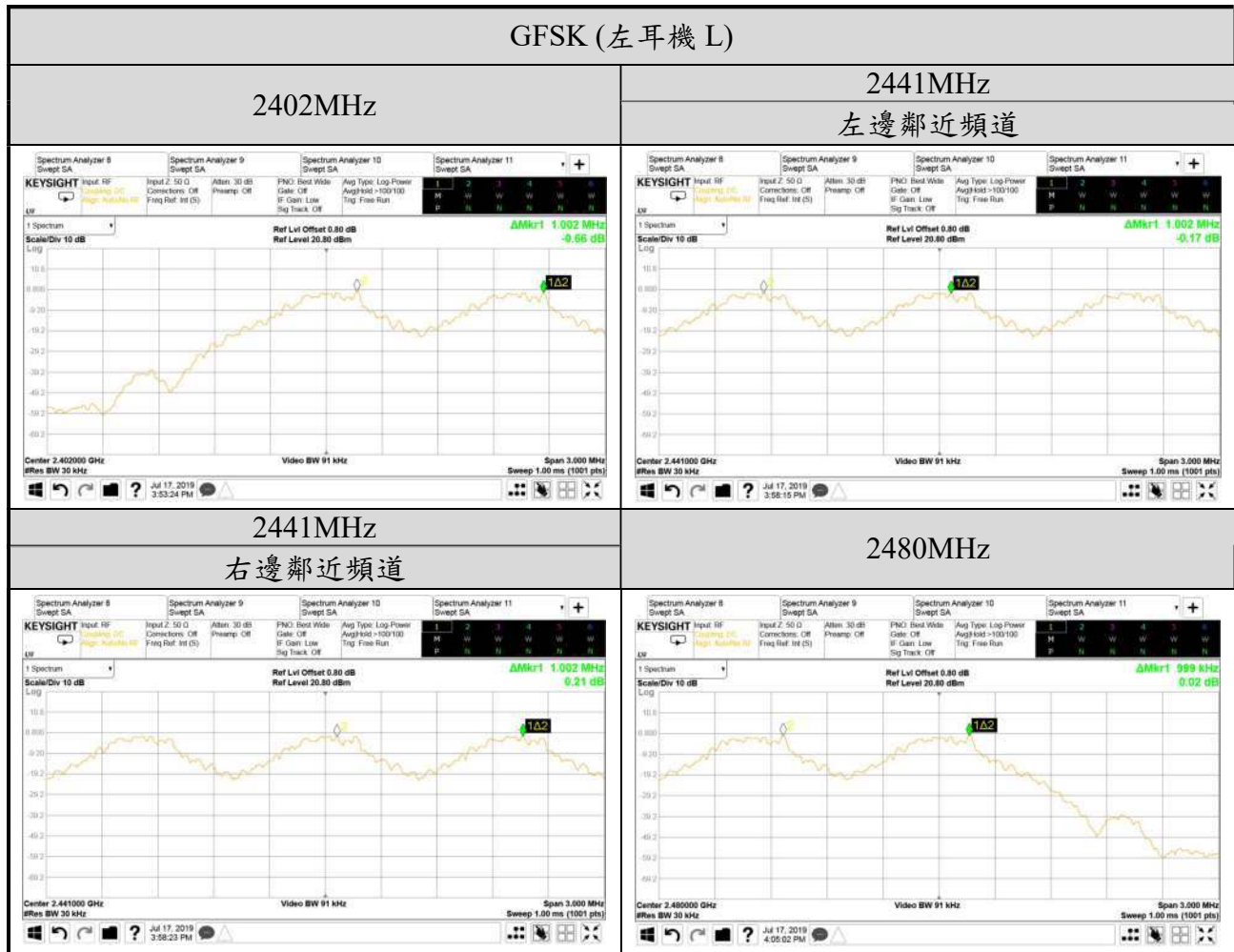
測試日期	2019/07/17 ~ 08/06	環境溫/濕度	25°C/46%
電纜損失	0.80dB	測試電壓	DC 3.7V (透過內建鋰電池供電)

4.1. 載波頻率間隔

模式 (Mode)	測試頻率 (MHz)	頻道間隔(MHz)	頻道間隔參考限制值 2/3 (20dB 頻寬) (MHz)
GFSK (左耳機 L)	2402	1.002	>0.615
	2441 (左邊鄰近頻道)	1.002	
	2441 (右邊鄰近頻道)	1.002	
	2480	0.999	
GFSK (右耳機 R)	2402	1.002	>0.616
	2441 (左邊鄰近頻道)	0.999	
	2441 (右邊鄰近頻道)	0.999	
	2480	1.002	

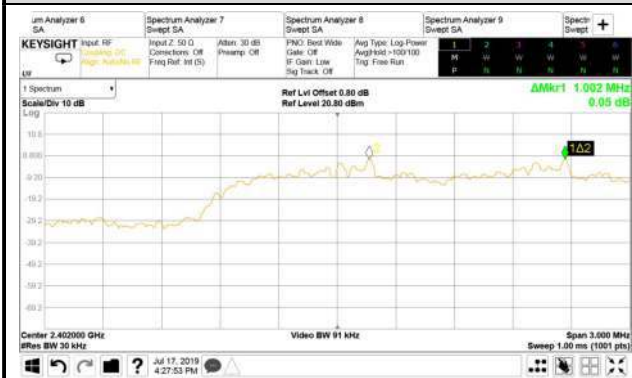
模式 (Mode)	測試頻率 (MHz)	頻道間隔(MHz)	頻道間隔參考限制值 2/3 (20dB 頻寬) (MHz)
8-DPSK (左耳機 L)	2402	1.002	>0.860
	2441 (左邊鄰近頻道)	1.008	
	2441 (右邊鄰近頻道)	0.996	
	2480	0.999	
8-DPSK (右耳機 R)	2402	1.002	>0.843
	2441 (左邊鄰近頻道)	0.999	
	2441 (右邊鄰近頻道)	1.002	
	2480	1.005	

4.2. 載波頻率間隔之量測圖



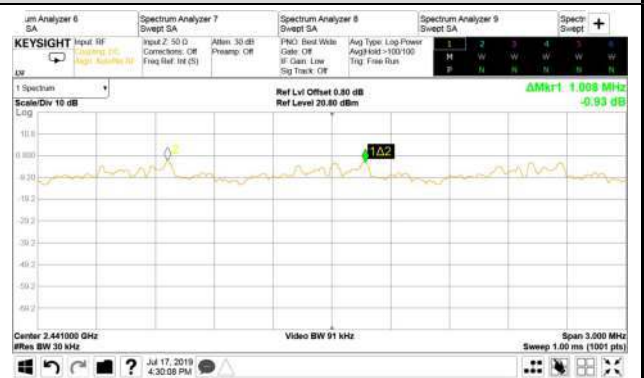
8-DPSK (左耳機 L)

2402MHz



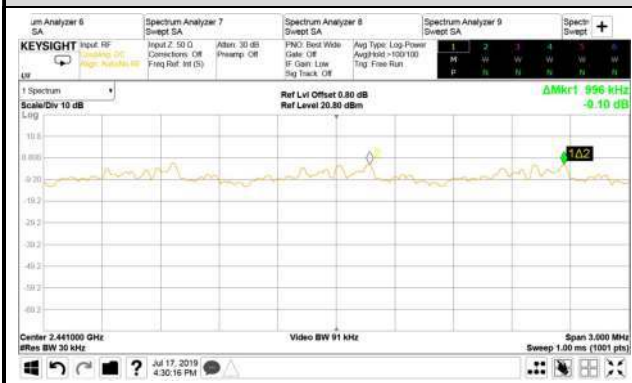
2441MHz

左邊鄰近頻道

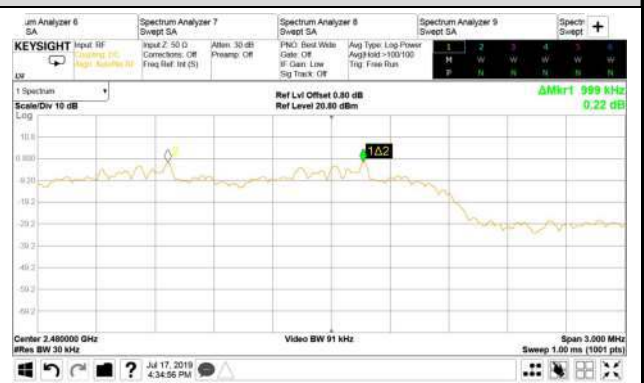


2441MHz

右邊鄰近頻道

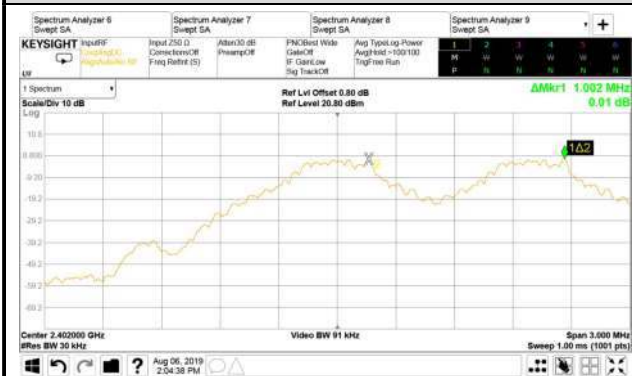


2480MHz



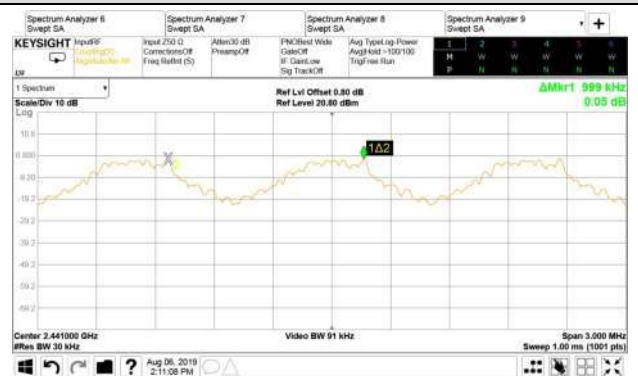
GFSK (右耳機 R)

2402MHz



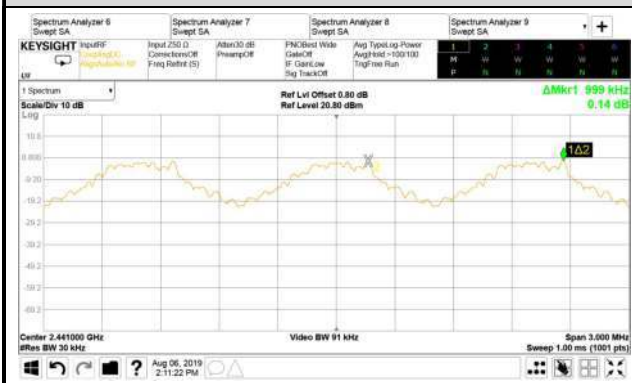
2441MHz

左邊鄰近頻道

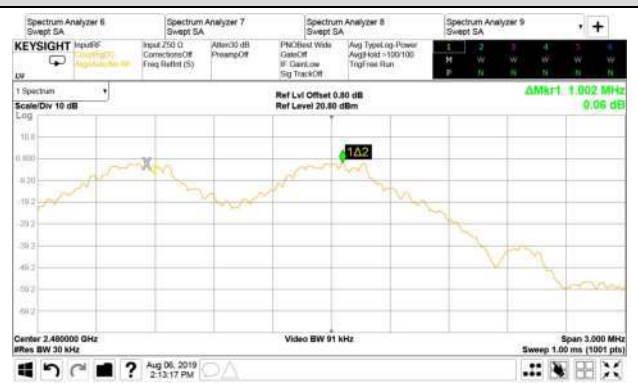


2441MHz

右邊鄰近頻道

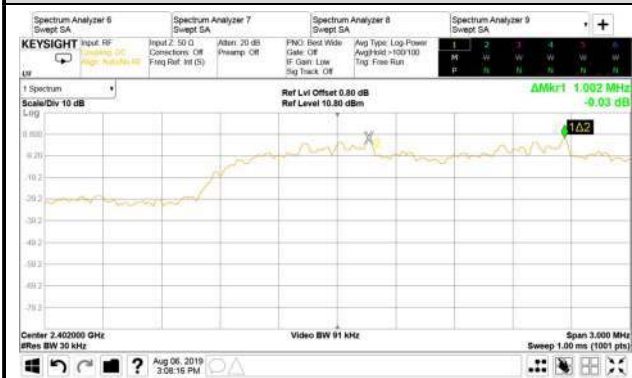


2480MHz



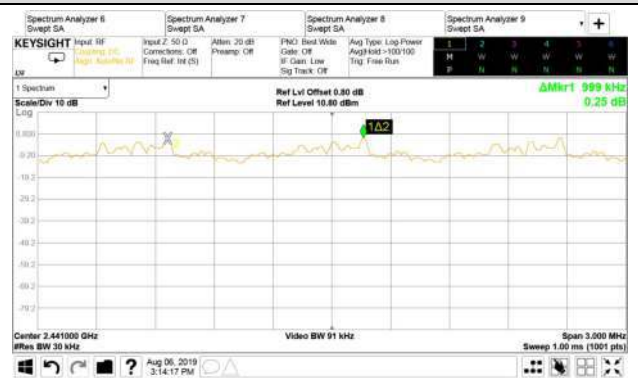
8-DPSK (右耳機 R)

2402MHz



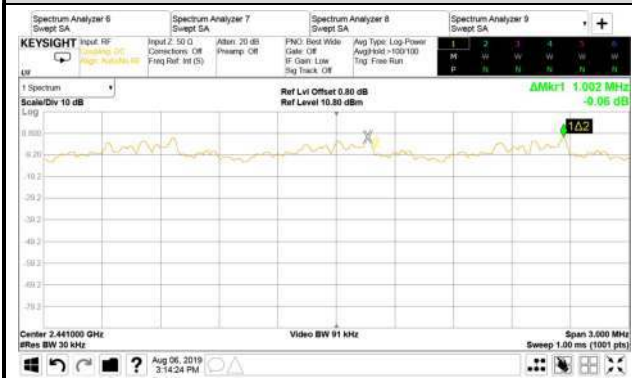
2441MHz

左邊鄰近頻道



2441MHz

右邊鄰近頻道

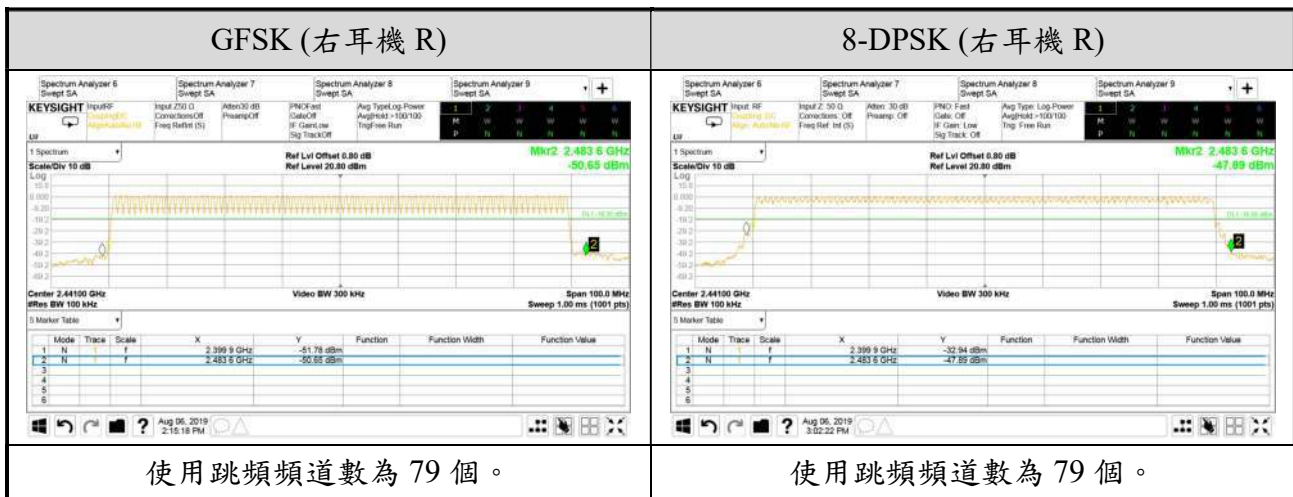
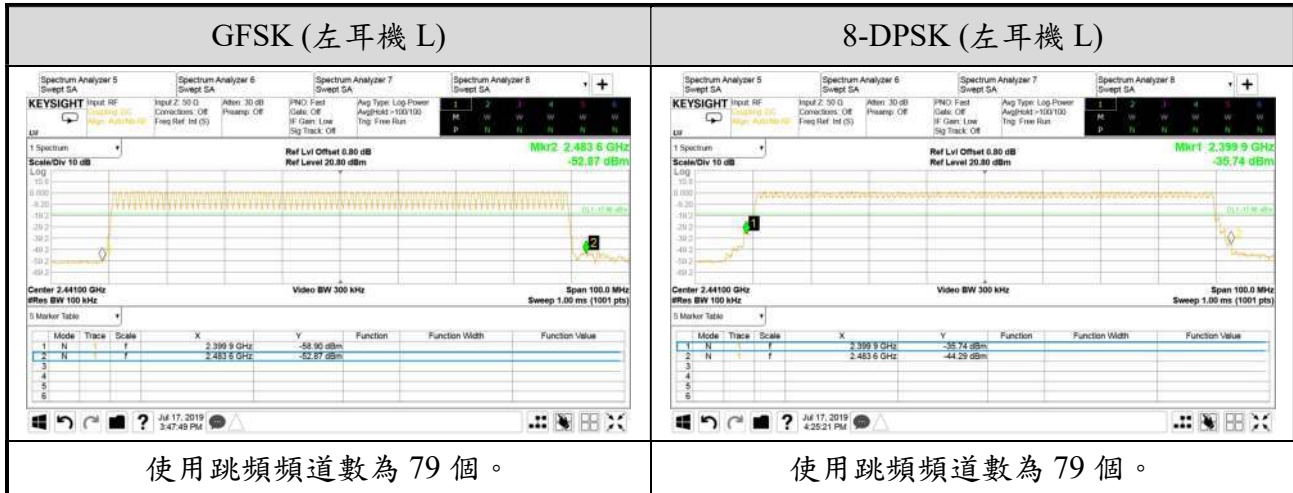


2480MHz



5. 跳頻頻率數目之量測

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. 佔用時間(停留時間)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. 佔用時間(停留時間)

模式	測試頻率 (MHz)	封包	每秒出現頻道數	佔用時間 (ms)	佔用時間加總 (ms)	限制值 (ms)
GFSK (左耳機L)	2402	DH1	10	0.37	116.920	<400
		DH3	5	1.63	257.540	<400
		DH5	3	2.869	271.981	<400

週期之計算: 79 頻道數 $0.4 \text{ 秒} = 31.6 \text{ 秒}$

封包模式: DH1

以每1秒出現 10 個頻道數為例, 每31.6 秒內之最長佔用時間為:

$$10 \text{ 頻道數} \times 31.6 \text{ 秒} \times 0.370 \text{ ms} = 116.920 \text{ ms} (<400\text{ms})$$

封包模式: DH3

以每1秒出現 5 個頻道數為例, 每31.6 秒內之最長佔用時間為:

$$5 \text{ 頻道數} \times 31.6 \text{ 秒} \times 1.630 \text{ ms} = 257.540 \text{ ms} (<400\text{ms})$$

封包模式: DH5

以每1秒出現 3 個頻道數為例, 每31.6 秒內之最長佔用時間為:

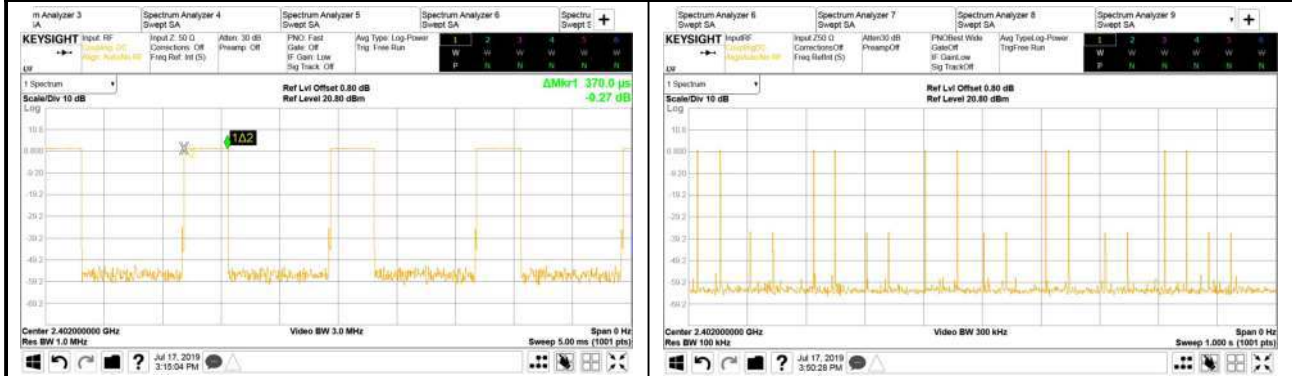
$$3 \text{ 頻道數} \times 31.6 \text{ 秒} \times 2.869 \text{ ms} = 271.981 \text{ ms} (<400\text{ms})$$

●佔用時間(停留時間)之量測圖

GFSK (左耳機 L)

2402MHz

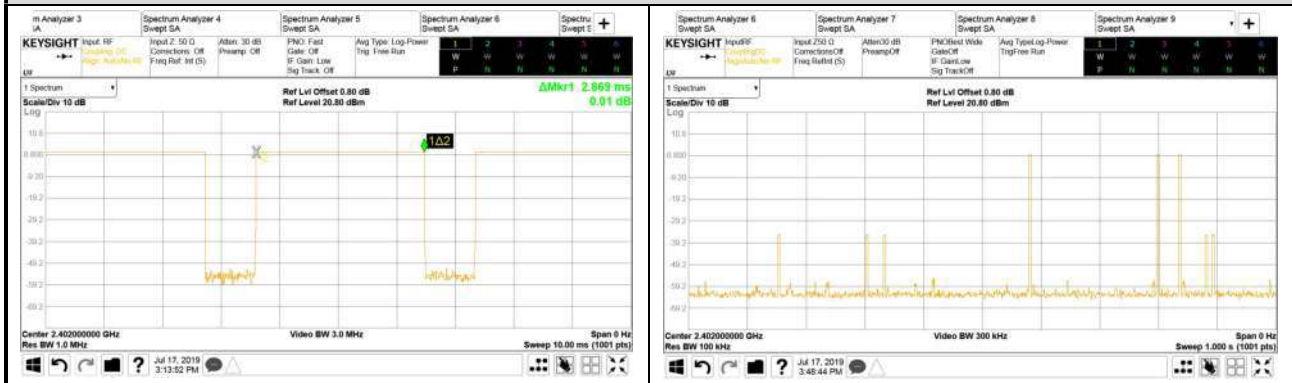
DH1



DH3



DH5



模式	測試頻率 (MHz)	封包	每秒出現 頻道數	佔用時間 (ms)	佔用時間加總 (ms)	限制值 (ms)
GFSK (左耳機L)	2441	DH1	10	0.37	116.920	<400
		DH3	5	1.62	255.960	<400
		DH5	3	2.87	272.076	<400

週期之計算: 79 頻道數 0.4 秒= 31.6 秒

封包模式: DH1

以每1秒出現 10 個頻道數為例, 每31.6 秒內之最長佔用時間為:

10 頻道數 31.6 秒* 0.370 ms= 116.920 ms (<400ms)

封包模式: DH3

以每1秒出現 5 個頻道數為例, 每31.6 秒內之最長佔用時間為:

5 頻道數 31.6 秒* 1.620 ms= 255.960 ms (<400ms)

封包模式: DH5

以每1秒出現 3 個頻道數為例, 每31.6 秒內之最長佔用時間為:

3 頻道數 31.6 秒* 2.870 ms= 272.076 ms (<400ms)

●佔用時間(停留時間)之量測圖

GFSK (左耳機 L)

2441MHz

DH1



DH3



DH5



模式	測試頻率 (MHz)	封包	每秒出現 頻道數	佔用時間 (ms)	佔用時間加總 (ms)	限制值 (ms)
GFSK (左耳機L)	2480	DH1	10	0.37	116.920	<400
		DH3	5	1.63	257.540	<400
		DH5	3	2.87	272.076	<400

週期之計算: 79 頻道數 $0.4 \text{ 秒} = 31.6 \text{ 秒}$

封包模式: DH1

以每1秒出現 10 個頻道數為例, 每31.6 秒內之最長佔用時間為:

$$10 \text{ 頻道數} \times 31.6 \text{ 秒} \times 0.370 \text{ ms} = 116.920 \text{ ms} (<400\text{ms})$$

封包模式: DH3

以每1秒出現 5 個頻道數為例, 每31.6 秒內之最長佔用時間為:

$$5 \text{ 頻道數} \times 31.6 \text{ 秒} \times 1.630 \text{ ms} = 257.540 \text{ ms} (<400\text{ms})$$

封包模式: DH5

以每1秒出現 3 個頻道數為例, 每31.6 秒內之最長佔用時間為:

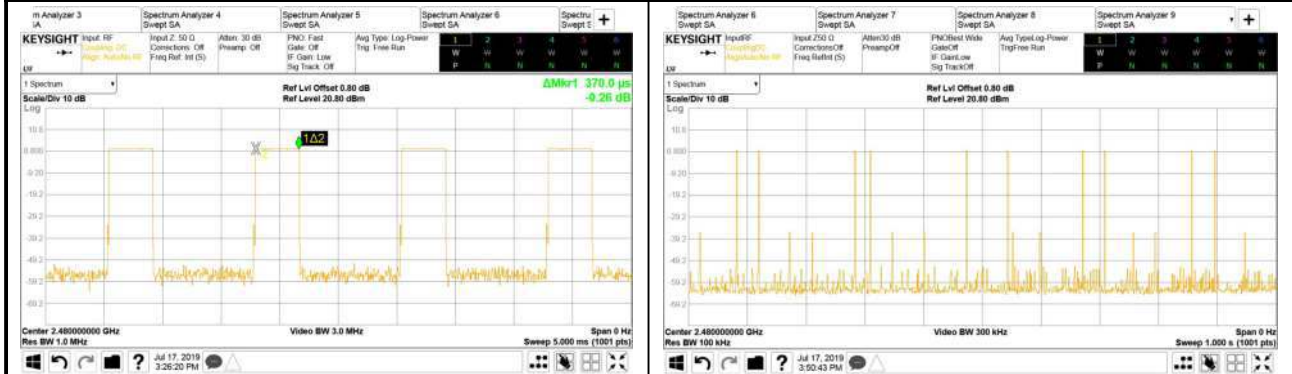
$$3 \text{ 頻道數} \times 31.6 \text{ 秒} \times 2.870 \text{ ms} = 272.076 \text{ ms} (<400\text{ms})$$

●佔用時間(停留時間)之量測圖

GFSK (左耳機 L)

2480MHz

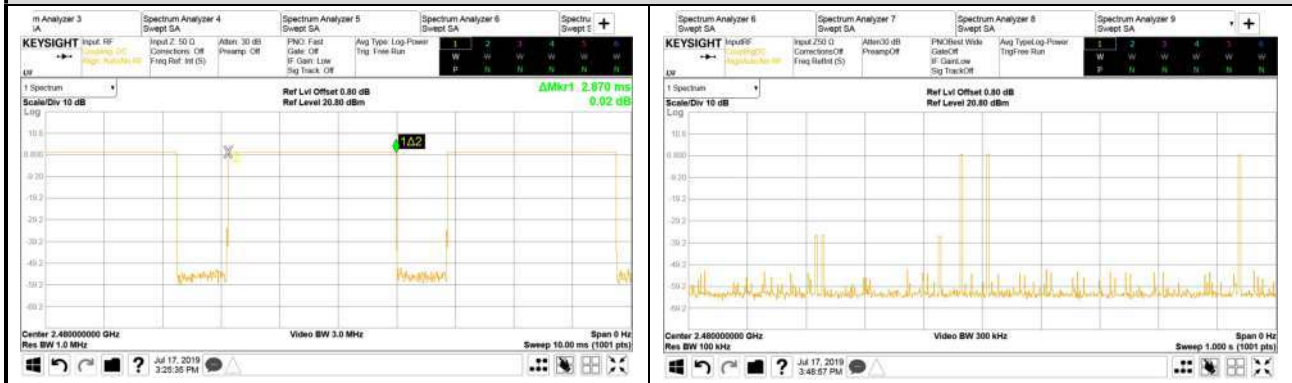
DH1



DH3



DH5



模式	測試頻率 (MHz)	封包	每秒出現 頻道數	佔用時間 (ms)	佔用時間加總 (ms)	限制值 (ms)
8-DPSK (左耳機L)	2402	3DH1	10	0.38	120.08	<400
		3DH3	5	1.63	257.54	<400
		3DH5	3	2.887	273.6876	<400

週期之計算: **79** 頻道數 **0.4** 秒= **31.6** 秒

封包模式: 3DH1

以每**1**秒出現 **10** 個頻道數為例, 每**31.6** 秒內之最長佔用時間為:

10 頻道數 **31.6** 秒* **0.380** ms= **120.080** ms (<400ms)

封包模式: 3DH3

以每**1**秒出現 **5** 個頻道數為例, 每**31.6** 秒內之最長佔用時間為:

5 頻道數 **31.6** 秒* **1.630** ms= **257.540** ms (<400ms)

封包模式: 3DH5

以每**1**秒出現 **3** 個頻道數為例, 每**31.6** 秒內之最長佔用時間為:

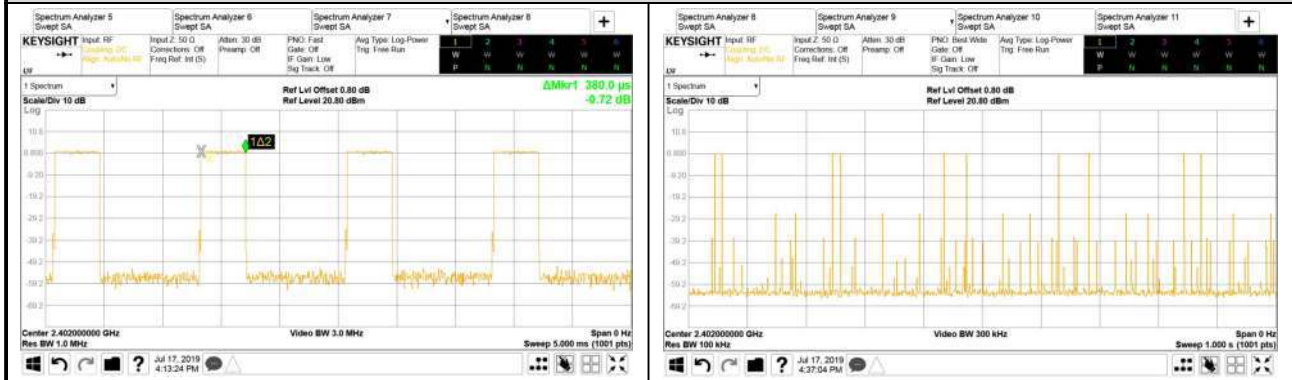
3 頻道數 **31.6** 秒* **2.887** ms= **273.688** ms (<400ms)

●佔用時間(停留時間)之量測圖

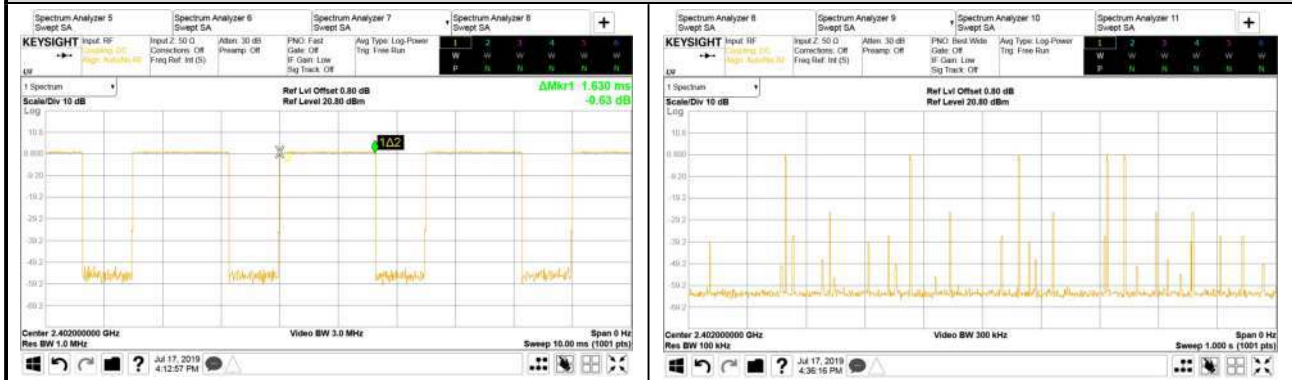
8-DPSK (左耳機 L)

2402MHz

3DH1



3DH3



3DH5



模式	測試頻率 (MHz)	封包	每秒出現 頻道數	佔用時間 (ms)	佔用時間加總 (ms)	限制值 (ms)
8-DPSK (左耳機L)	2441	3DH1	10	0.38	120.080	<400
		3DH3	5	1.63	257.540	<400
		3DH5	3	2.88	273.024	<400

週期之計算: **79** 頻道數 **0.4** 秒= **31.6** 秒

封包模式: 3DH1

以每**1**秒出現 **10** 個頻道數為例, 每**31.6** 秒內之最長佔用時間為:

10 頻道數 **31.6** 秒* **0.380** ms= **120.080** ms (<400ms)

封包模式: 3DH3

以每**1**秒出現 **5** 個頻道數為例, 每**31.6** 秒內之最長佔用時間為:

5 頻道數 **31.6** 秒* **1.630** ms= **257.540** ms (<400ms)

封包模式: 3DH5

以每**1**秒出現 **3** 個頻道數為例, 每**31.6** 秒內之最長佔用時間為:

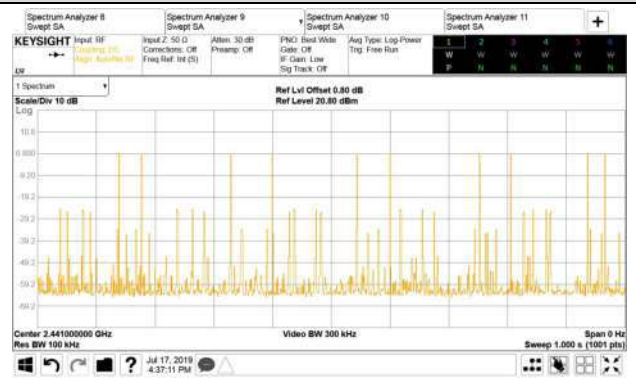
3 頻道數 **31.6** 秒* **2.880** ms= **273.024** ms (<400ms)

●佔用時間(停留時間)之量測圖

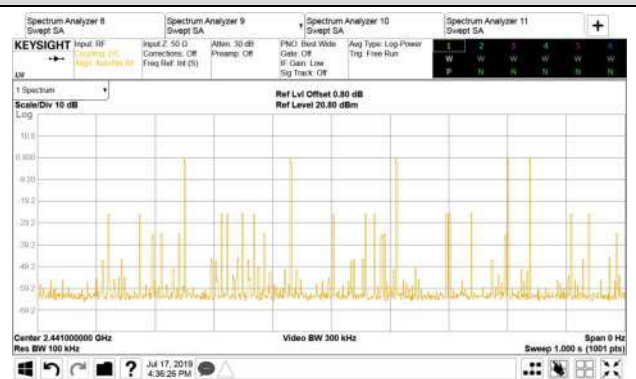
8-DPSK (左耳機 L)

2441MHz

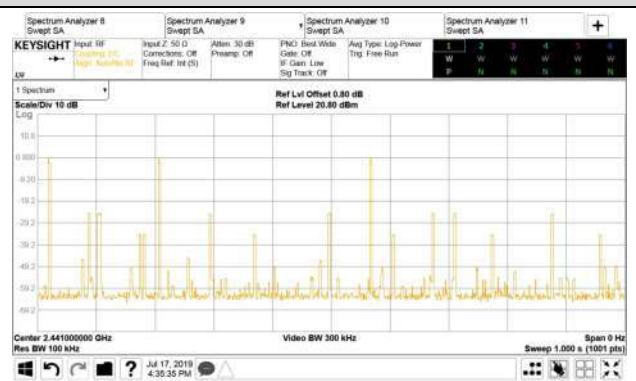
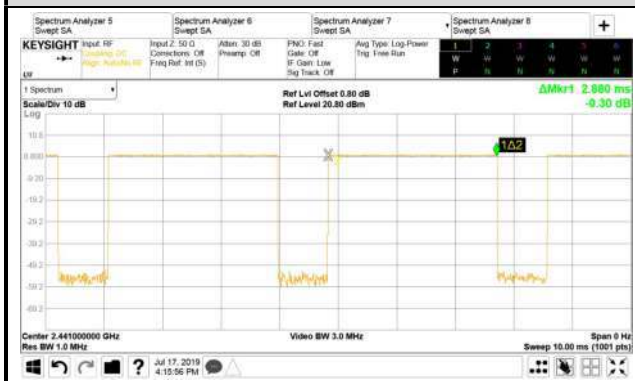
3DH1



3DH3



3DH5



模式	測試頻率 (MHz)	封包	每秒出現 頻道數	佔用時間 (ms)	佔用時間加總 (ms)	限制值 (ms)
8-DPSK (左耳機L)	2480	3DH1	10	0.38	120.080	<400
		3DH3	5	1.63	257.540	<400
		3DH5	3	2.87	272.076	<400

週期之計算: 79 頻道數 0.4 秒= 31.6 秒

封包模式: 3DH1

以每1秒出現 10 個頻道數為例, 每31.6 秒內之最長佔用時間為:

10 頻道數 31.6 秒* 0.380 ms= 120.080 ms (<400ms)

封包模式: 3DH3

以每1秒出現 5 個頻道數為例, 每31.6 秒內之最長佔用時間為:

5 頻道數 31.6 秒* 1.630 ms= 257.540 ms (<400ms)

封包模式: 3DH5

以每1秒出現 3 個頻道數為例, 每31.6 秒內之最長佔用時間為:

3 頻道數 31.6 秒* 2.870 ms= 272.076 ms (<400ms)

●佔用時間(停留時間)之量測圖

8-DPSK (左耳機 L)

2480MHz

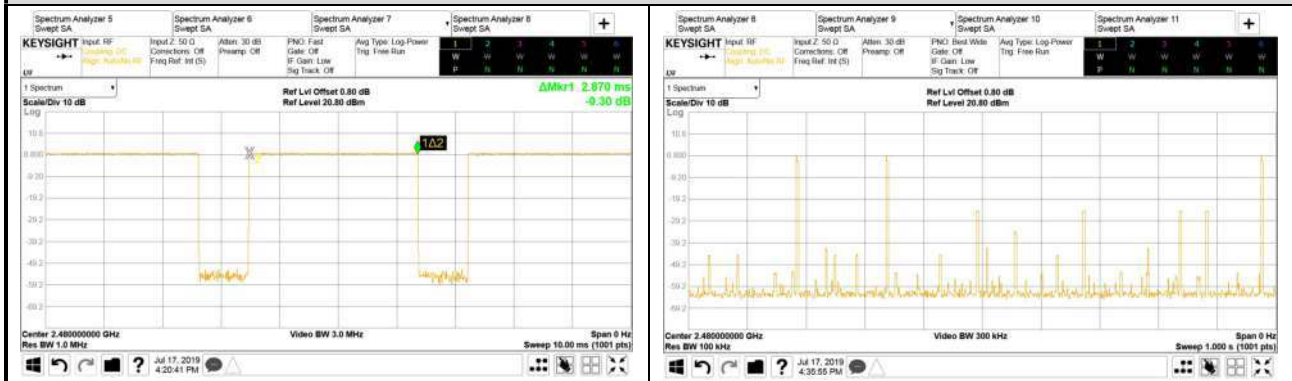
3DH1



3DH3



3DH5



模式	測試頻率 (MHz)	封包	每秒出現 頻道數	佔用時間 (ms)	佔用時間加總 (ms)	限制值 (ms)
GFSK (右耳機R)	2402	DH1	10	0.37	116.920	<400
		DH3	5	1.62	255.960	<400
		DH5	3	2.88	273.024	<400

週期之計算: 79 頻道數 $0.4 \text{ 秒} = 31.6 \text{ 秒}$

封包模式: DH1

以每1秒出現 10 個頻道數為例, 每31.6 秒內之最長佔用時間為:

$$10 \text{ 頻道數} \times 31.6 \text{ 秒} \times 0.370 \text{ ms} = 116.920 \text{ ms} (<400\text{ms})$$

封包模式: DH3

以每1秒出現 5 個頻道數為例, 每31.6 秒內之最長佔用時間為:

$$5 \text{ 頻道數} \times 31.6 \text{ 秒} \times 1.620 \text{ ms} = 255.960 \text{ ms} (<400\text{ms})$$

封包模式: DH5

以每1秒出現 3 個頻道數為例, 每31.6 秒內之最長佔用時間為:

$$3 \text{ 頻道數} \times 31.6 \text{ 秒} \times 2.880 \text{ ms} = 273.024 \text{ ms} (<400\text{ms})$$

●佔用時間(停留時間)之量測圖

GFSK (右耳機 R)

2402MHz

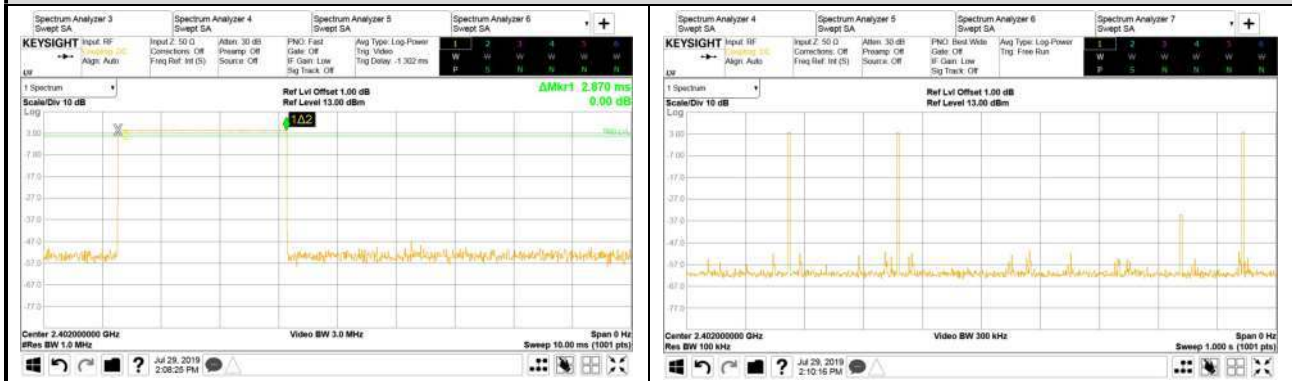
DH1



DH3



DH5



模式	測試頻率 (MHz)	封包	每秒出現 頻道數	佔用時間 (ms)	佔用時間加總 (ms)	限制值 (ms)
GFSK (右耳機R)	2441	DH1	10	0.37	116.920	<400
		DH3	5	1.62	255.960	<400
		DH5	3	2.88	273.024	<400

週期之計算: 79 頻道數 $0.4 \text{ 秒} = 31.6 \text{ 秒}$

封包模式: DH1

以每1秒出現 10 個頻道數為例, 每31.6 秒內之最長佔用時間為:

$$10 \text{ 頻道數} \times 31.6 \text{ 秒} \times 0.370 \text{ ms} = 116.920 \text{ ms} (<400\text{ms})$$

封包模式: DH3

以每1秒出現 5 個頻道數為例, 每31.6 秒內之最長佔用時間為:

$$5 \text{ 頻道數} \times 31.6 \text{ 秒} \times 1.620 \text{ ms} = 255.960 \text{ ms} (<400\text{ms})$$

封包模式: DH5

以每1秒出現 3 個頻道數為例, 每31.6 秒內之最長佔用時間為:

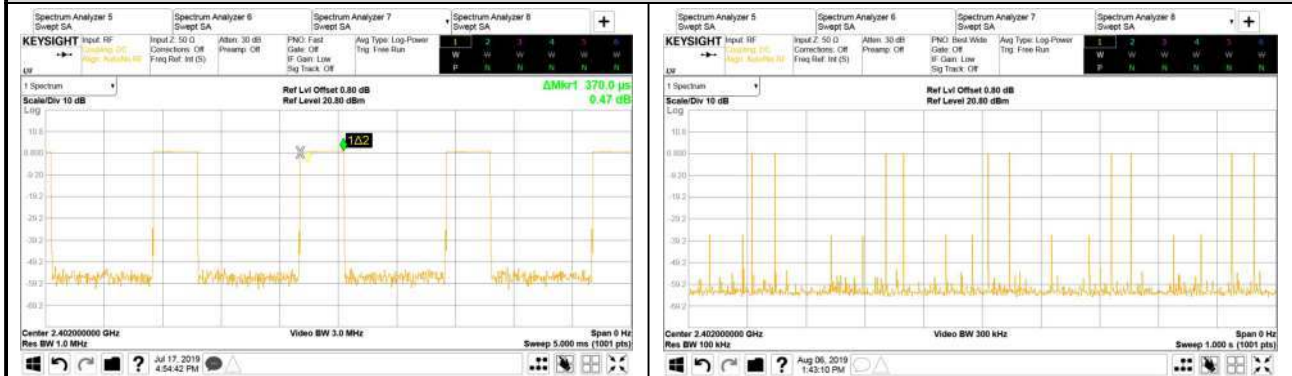
$$3 \text{ 頻道數} \times 31.6 \text{ 秒} \times 2.880 \text{ ms} = 273.024 \text{ ms} (<400\text{ms})$$

●佔用時間(停留時間)之量測圖

GFSK (右耳機 R)

2441MHz

DH1



DH3



DH5



模式	測試頻率 (MHz)	封包	每秒出現 頻道數	佔用時間 (ms)	佔用時間加總 (ms)	限制值 (ms)
GFSK (右耳機R)	2480	DH1	10	0.37	116.920	<400
		DH3	5	1.63	257.540	<400
		DH5	3	2.87	272.076	<400

週期之計算: 79 頻道數 $0.4 \text{ 秒} = 31.6 \text{ 秒}$

封包模式: DH1

以每1秒出現 10 個頻道數為例, 每31.6 秒內之最長佔用時間為:

$$10 \text{ 頻道數} \times 31.6 \text{ 秒} \times 0.370 \text{ ms} = 116.920 \text{ ms} (<400\text{ms})$$

封包模式: DH3

以每1秒出現 5 個頻道數為例, 每31.6 秒內之最長佔用時間為:

$$5 \text{ 頻道數} \times 31.6 \text{ 秒} \times 1.630 \text{ ms} = 257.540 \text{ ms} (<400\text{ms})$$

封包模式: DH5

以每1秒出現 3 個頻道數為例, 每31.6 秒內之最長佔用時間為:

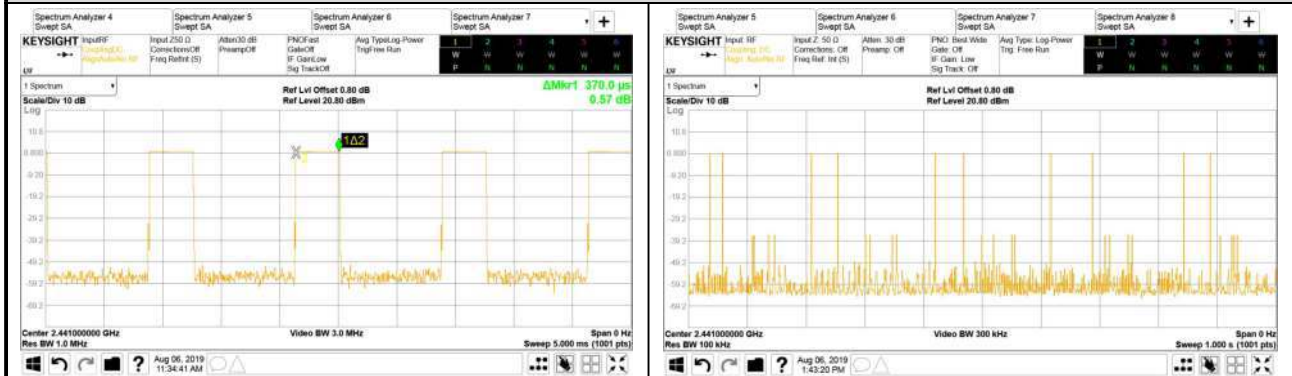
$$3 \text{ 頻道數} \times 31.6 \text{ 秒} \times 2.870 \text{ ms} = 272.076 \text{ ms} (<400\text{ms})$$

●佔用時間(停留時間)之量測圖

GFSK (右耳機 R)

2480MHz

DH1



DH3



DH5



模式	測試頻率 (MHz)	封包	每秒出現 頻道數	佔用時間 (ms)	佔用時間加總 (ms)	限制值 (ms)
8-DPSK (右耳機R)	2402	3DH1	10	0.375	118.5	<400
		3DH3	5	1.63	257.54	<400
		3DH5	3	2.88	273.024	<400

週期之計算: 79 頻道數 0.4 秒 = 31.6 秒

封包模式: 3DH1

以每1秒出現 10 個頻道數為例, 每 31.6 秒內之最長佔用時間為:

10 頻道數 31.6 秒 * 0.375 ms = 118.500 ms (<400ms)

封包模式: 3DH3

以每1秒出現 5 個頻道數為例, 每 31.6 秒內之最長佔用時間為:

5 頻道數 31.6 秒 * 1.630 ms = 257.540 ms (<400ms)

封包模式: 3DH5

以每1秒出現 3 個頻道數為例, 每 31.6 秒內之最長佔用時間為:

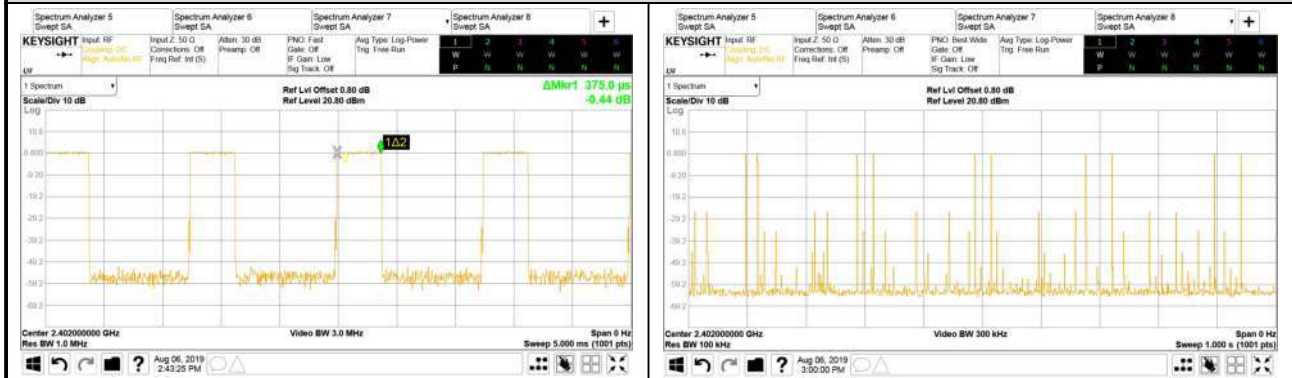
3 頻道數 31.6 秒 * 2.880 ms = 273.024 ms (<400ms)

●佔用時間(停留時間)之量測圖

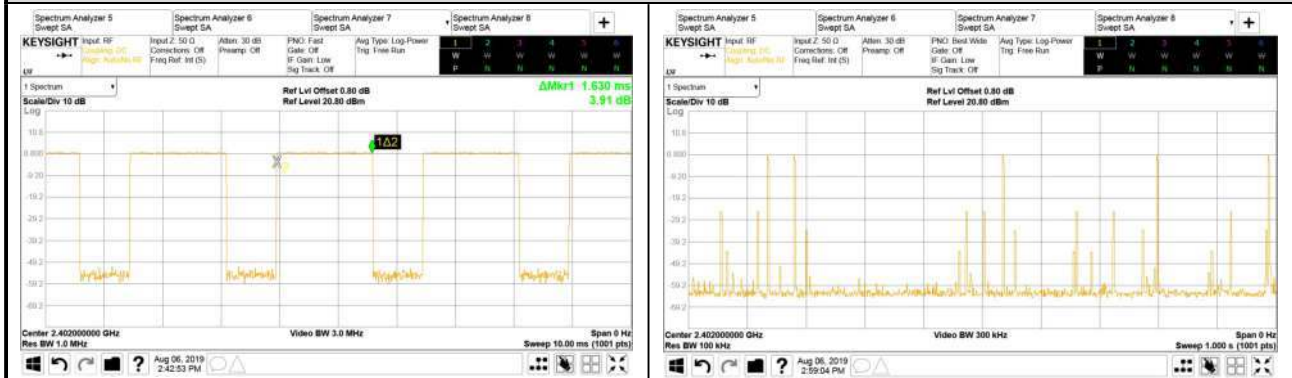
8-DPSK (右耳機 R)

2402MHz

3DH1



3DH3



3DH5



模式	測試頻率 (MHz)	封包	每秒出現 頻道數	佔用時間 (ms)	佔用時間加總 (ms)	限制值 (ms)
8-DPSK (右耳機R)	2441	3DH1	10	0.38	120.080	<400
		3DH3	5	1.63	257.540	<400
		3DH5	3	2.88	273.024	<400

週期之計算: **79** 頻道數 **0.4** 秒= **31.6** 秒

封包模式: 3DH1

以每**1**秒出現 **10** 個頻道數為例, 每**31.6** 秒內之最長佔用時間為:

10 頻道數 **31.6** 秒* **0.380** ms= **120.080** ms (<400ms)

封包模式: 3DH3

以每**1**秒出現 **5** 個頻道數為例, 每**31.6** 秒內之最長佔用時間為:

5 頻道數 **31.6** 秒* **1.630** ms= **257.540** ms (<400ms)

封包模式: 3DH5

以每**1**秒出現 **3** 個頻道數為例, 每**31.6** 秒內之最長佔用時間為:

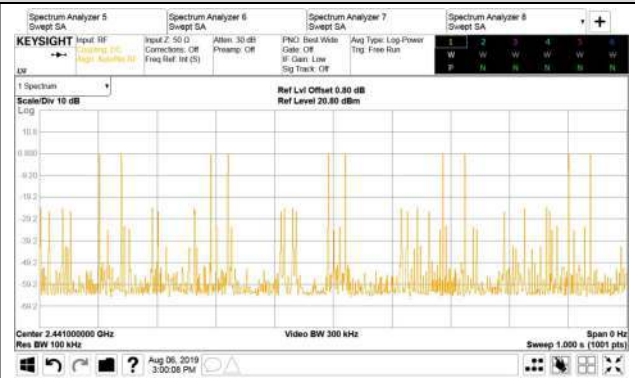
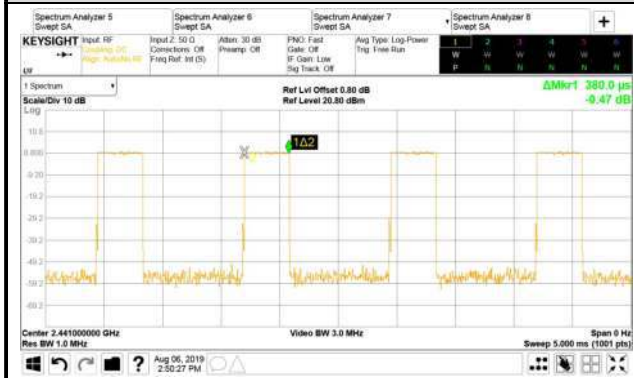
3 頻道數 **31.6** 秒* **2.880** ms= **273.024** ms (<400ms)

●佔用時間(停留時間)之量測圖

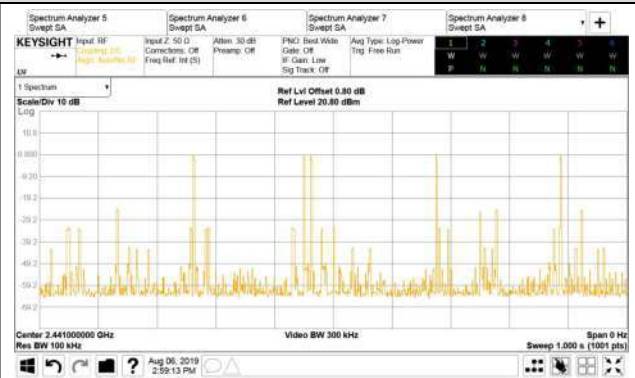
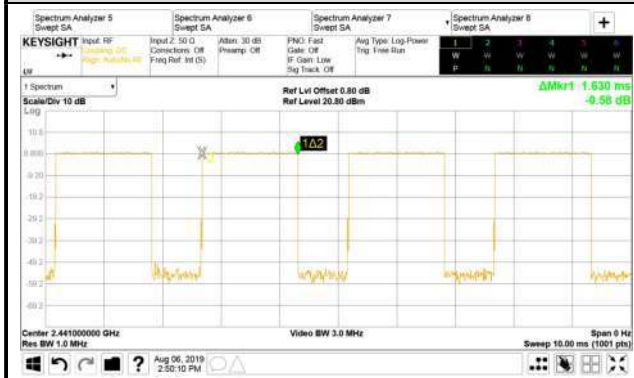
8-DPSK (右耳機 R)

2441MHz

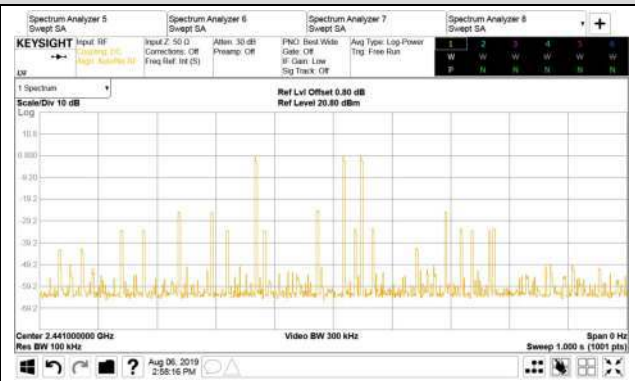
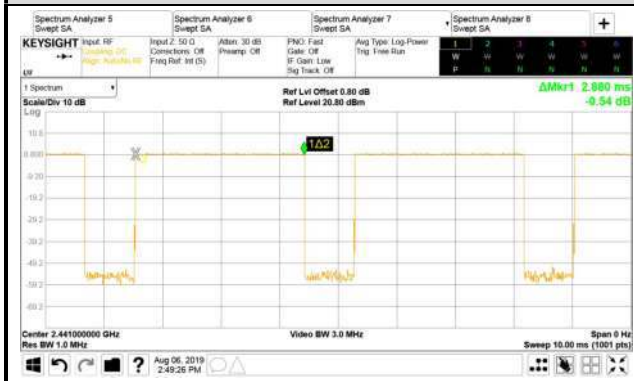
3DH1



3DH3



3DH5



模式	測試頻率 (MHz)	封包	每秒出現 頻道數	佔用時間 (ms)	佔用時間加總 (ms)	限制值 (ms)
8-DPSK (右耳機R)	2480	3DH1	10	0.38	120.080	<400
		3DH3	5	1.63	257.540	<400
		3DH5	3	2.88	273.024	<400

週期之計算: **79** 頻道數 **0.4** 秒= **31.6** 秒

封包模式: 3DH1

以每**1**秒出現 **10** 個頻道數為例, 每**31.6** 秒內之最長佔用時間為:

10 頻道數 **31.6** 秒* **0.380** ms= **120.080** ms (<400ms)

封包模式: 3DH3

以每**1**秒出現 **5** 個頻道數為例, 每**31.6** 秒內之最長佔用時間為:

5 頻道數 **31.6** 秒* **1.630** ms= **257.540** ms (<400ms)

封包模式: 3DH5

以每**1**秒出現 **3** 個頻道數為例, 每**31.6** 秒內之最長佔用時間為:

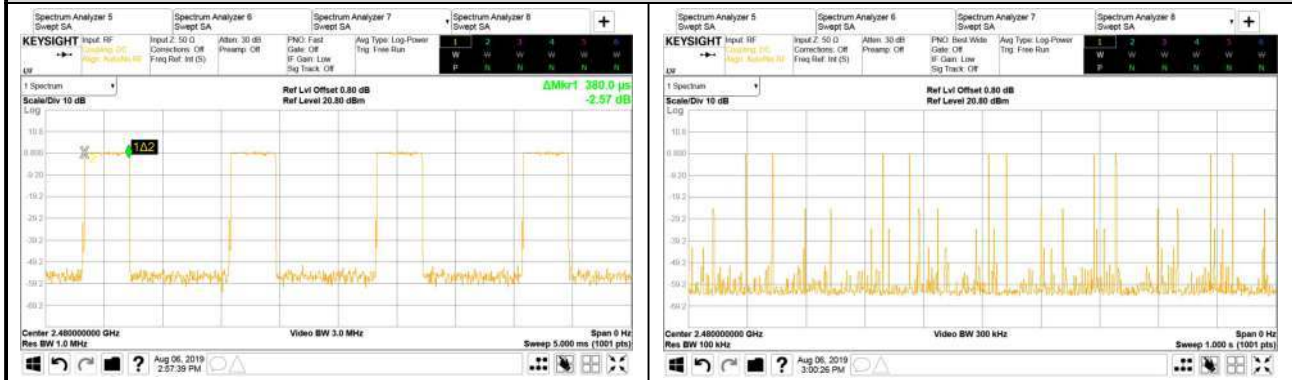
3 頻道數 **31.6** 秒* **2.880** ms= **273.024** ms (<400ms)

●佔用時間(停留時間)之量測圖

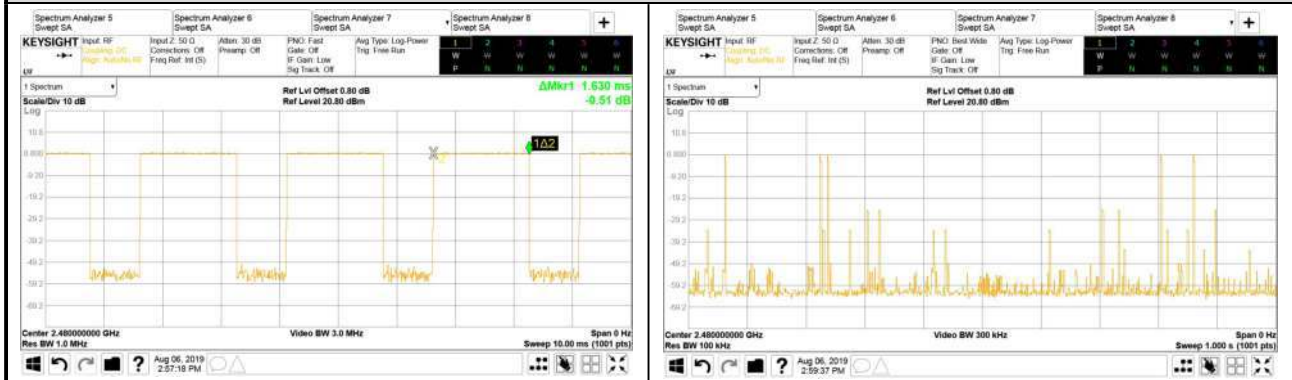
8-DPSK (右耳機 R)

2480MHz

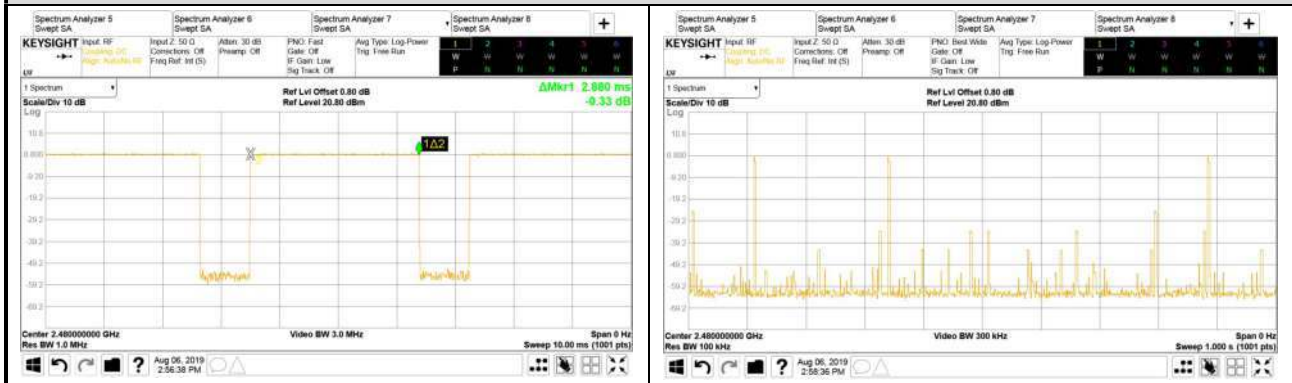
3DH1



3DH3



3DH5



7. 峰值輸出功率之量測

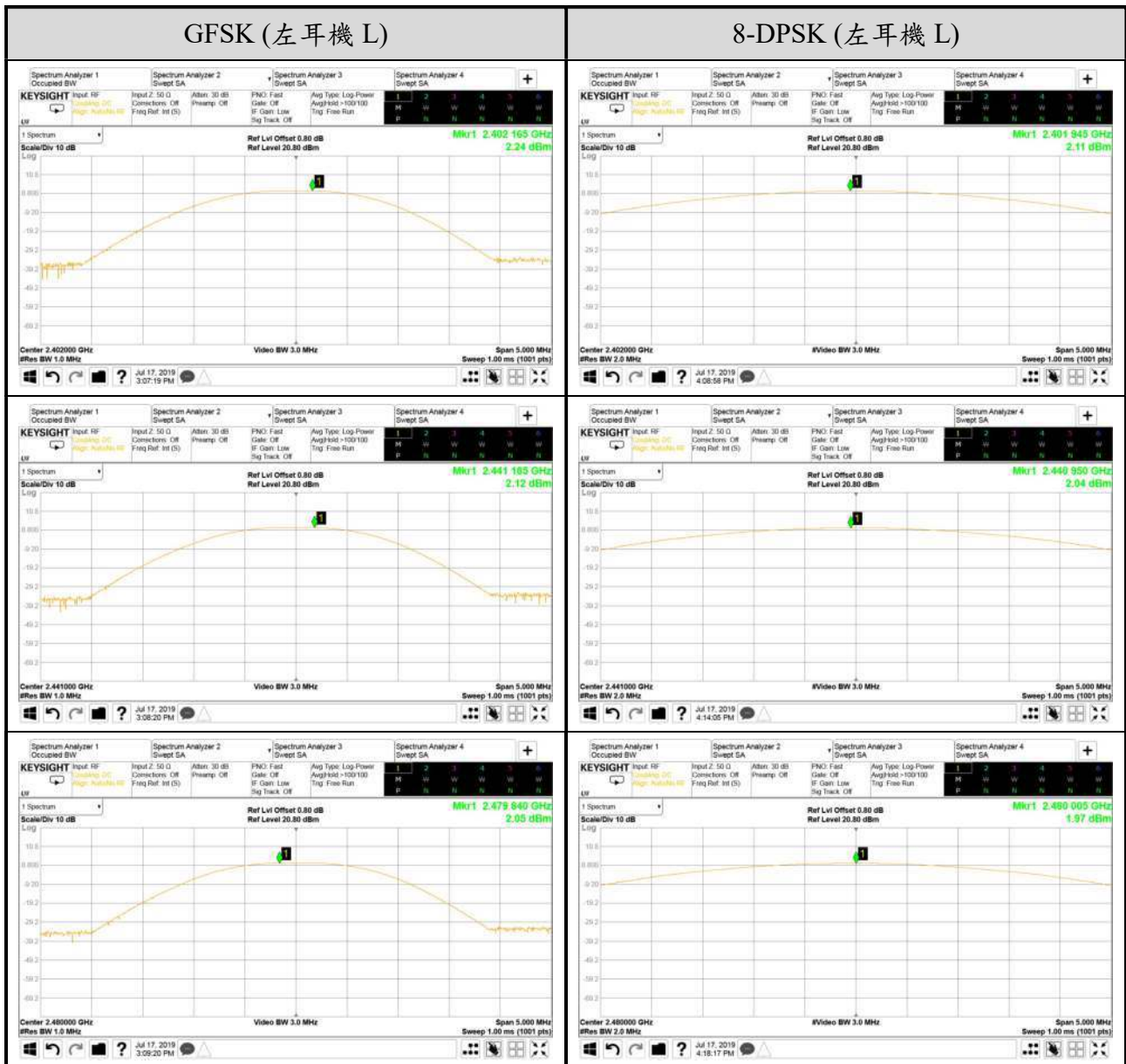
測試日期	2019/07/17~18	環境溫/濕度	25°C/46%
電纜損失	0.80dB	測試電壓	DC 3.7V (透過內建鋰電池供電)

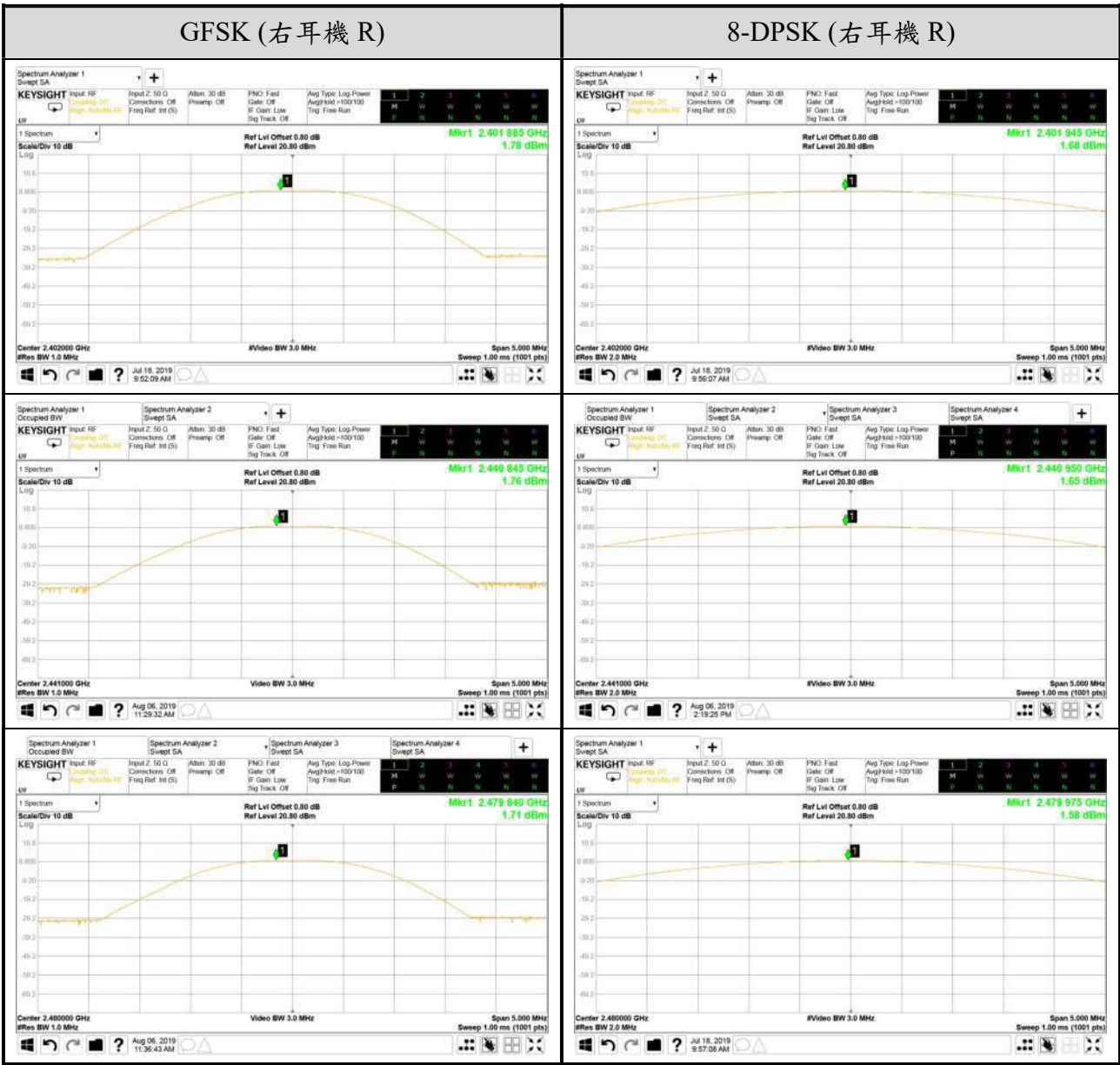
7.1. 峰值輸出功率

模式	測試頻率 (MHz)	峰值輸出功率(dBm)
GFSK (左耳機 L)	2402	2.24
	2441	2.12
	2480	2.05
GFSK (右耳機 R)	2402	2.11
	2441	2.04
	2480	1.97

模式	測試頻率 (MHz)	峰值輸出功率(dBm)
8-DPSK (左耳機 L)	2402	1.78
	2441	1.76
	2480	1.71
8-DPSK (右耳機 R)	2402	1.68
	2441	1.65
	2480	1.58

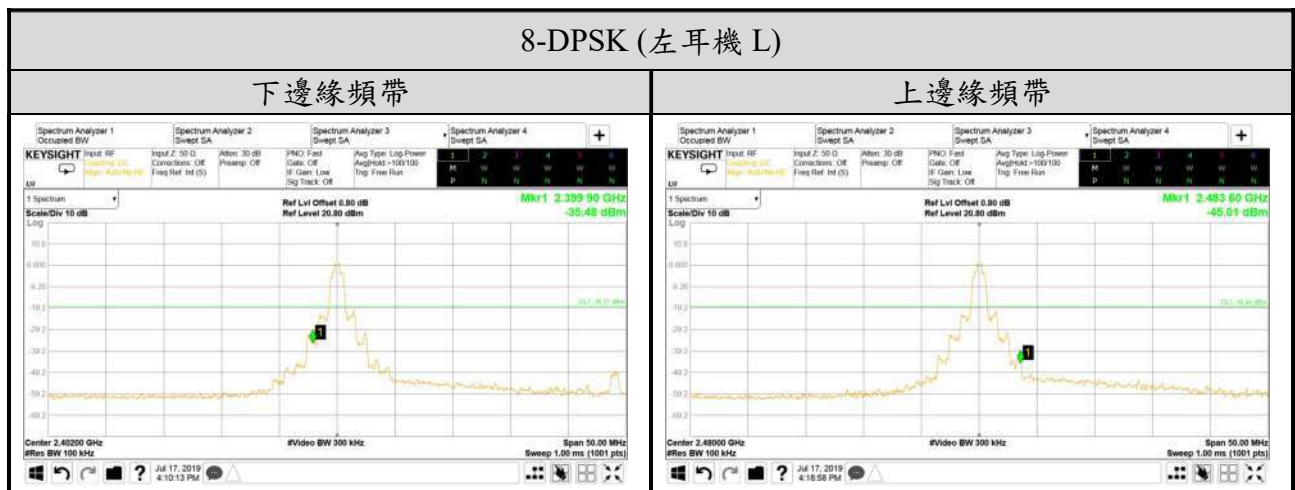
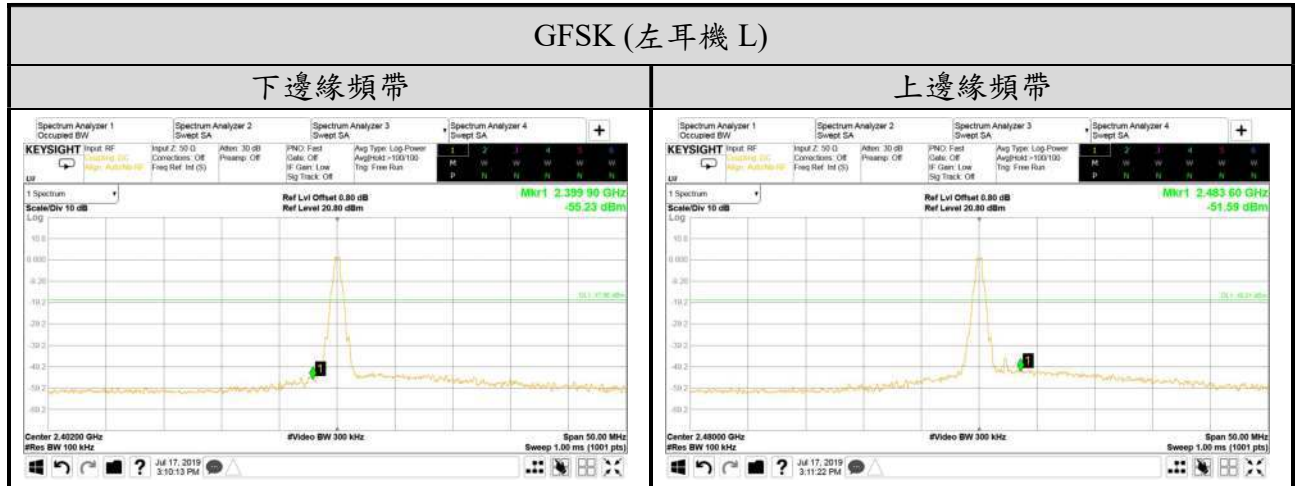
7.2. 峰值輸出功率之量測圖





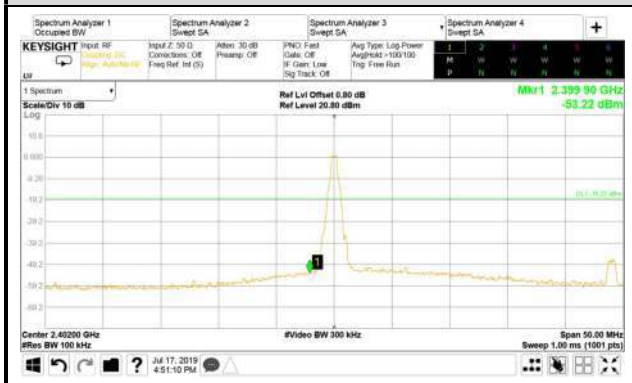
8. 頻帶邊緣之 RF 傳導發射之量測

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)

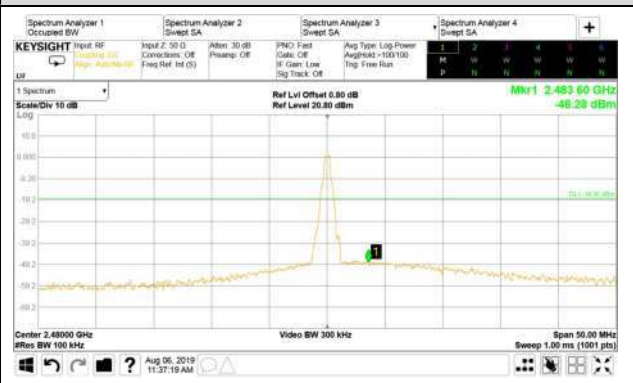


GFSK (右耳機 R)

下邊緣頻帶

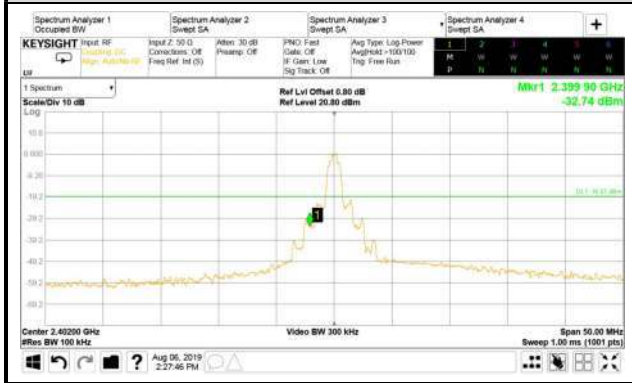


上邊緣頻帶

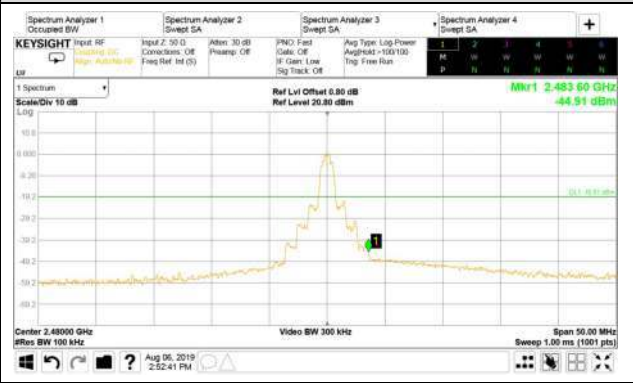


8-DPSK (右耳機 R)

下邊緣頻帶



上邊緣頻帶



9. 混附發射之 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)

