

低功率射頻電機試驗報告

申請廠商	SKULLCANDY, INC. 6301 N Landmark Dr Park City UT 84098, Utah United States of America
製造廠商	SKULLCANDY, INC.
產品名稱	Push Ultra
廠牌	Skullcandy
型號	S2BDW
電場強度	77.82dBuV/m (Peak)
工作頻率	129kHz / 1CH
調變方式	ASK
法規章節	LP0002 2.8

實驗室資訊

台灣檢驗科技股份有限公司 射頻實驗中心

新北市新北產業園區五工路134號

認證有效期間：107年06月14日起至110年06月13日止

試驗受理日期 民國109年05月26日

試驗執行日期 民國109年05月26日~ 民國109年06月20日

報告發行日期 民國109年07月10日

林耀鵬



報告簽署人
林耀鵬簽章

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Revision History

Report Number	Revision	Description	Issue Date	Remark
E2/2020/50123	Rev.00	Original.	Jul. 10, 2020	Revised By: Elle Chang

Note:

- 1、免責聲明
天線資訊由報告申請人提供，此報告之測試結果僅適用實際收取的樣品。
- 2、電源線傳導干擾及 Fully System 測試模式在各個無線功能全開下進行測試，經評估為最差模式。

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測試標準

國家通訊傳播委員會低功率射頻電機技術規範

民國 107 年 1 月 10 日版本

待測裝置已於台灣檢驗科技股份有限公司射頻實驗中心，依據國家通訊傳播委員會於中華民國一百零七年一月頒佈之低功率射頻電機技術規範測試。

台灣檢驗科技股份有限公司根據此條文規範項目測試，測試各項數據皆能符合此規範規定之限度值。

台灣檢驗科技股份有限公司依低功率射頻電機技術規範審驗要點規範製作測試結果報告，測試結果評判為合格。

備註：

1. 報告中所描述之測試結果和待測設備的架構組合，均根據實際量測情況作詳實的記錄，且本測試報告僅對上述待測設備樣品負責。
2. 此份報告未經本公司同意，不得部份摘錄複製使用。

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測試實驗室資料:

實驗室認可登錄 : 中華民國實驗室認證體系

認可編號 : TAF 3702, 認可頻率範圍9kHz ~ 200GHz

認證有效期間 : 107年06月14日起至110年06月13日止

測試場地 : 桃園市龜山區(華亞科技園區)科技一路2號

實驗室名稱 : 台灣檢驗科技股份有限公司
射頻實驗中心

實驗室地址 : 新北市新北產業園區五工路134號

電話 : 886-2-22993939

傳真 : 886-2-22982698

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實驗室之量測不確定度

量測項目	量測不確定度 (擴充不確定度)		
傳導干擾量測	電源線	0.15-30MHz	2.586 dB
輻射干擾量測 (3m測距)	水平極化	9kHz - 30MHz	2.3dB
		30-167MHz	4.22dB
		167-500MHz	3.44dB
		0.5-1GHz	3.39dB
		1-18GHz	4.08dB
		18-40GHz	4.08dB
	垂直極化	9kHz - 30MHz	2.3dB
		30-180MHz	3.37dB
		180-417MHz	3.19dB
		0.417-1GHz	3.19dB
		1-18GHz	4.04dB
		18-40GHz	4.04dB
頻率誤差量測	範例一	2.4 GHz	290 Hz
	範例二	5 GHz	724.3 Hz
輸出功率	傳導方式	2.4 GHz	1.3 dB
		5 GHz	1.55 dB
有效輻射功率 (輻射方式)	水平極化	2.4GHz	4.21 dB
		5 GHz	4.62 dB
	垂直極化	2.4 GHz	4.42 dB
		5 GHz	4.74 dB
功率頻譜密度	傳導方式	2.4GHz	1.3dB
		5GHz	1.67dB
鄰頻道功率量測 (輻射方式)	水平極化	30-167MHz	4.22dB
		167-500MHz	3.44dB
		0.5-1GHz	3.39dB
	垂直極化	30-180MHz	3.37dB
		180-417MHz	3.19dB
		0.417-1GHz	3.19dB

附註: 1. K=2 即代表測試結果具有95%的量測可信度。

2. 本報告中的符合性判定僅依據試驗結果，不考慮其試驗結果的量測不確定度。

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1 一般資料

1.1 產品描述

產品名稱	Push Ultra
型號	S2BDW
產品商標	Skullcandy
Hardware Version	N/A
Software Version	N/A
電場強度	77.82BuV/m (Peak)
USB Cable	Model No.: CE-2068B-USB, Supplier: Cosonic
使用電源	3.7Vdc from Rechargeable Battery

天線型式: Loop Antenna

本案經申請者切結器材不提供隨貨配件，配件由實驗室提供併同檢驗，產品名稱: Adapter，廠牌: HSHONGAHAING，型號: MUC-5K; 產品名稱: Wireless Charger，廠牌: MI，型號: WPC01ZM。

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1.2 產品特性

此裝置為Push Ultra，發射頻率為129kHz / 1CH (ASK)。

1.3 測試方法之依據

本測試報告之所有項目皆依據國家通訊傳播委員會低功率射頻電機技術規範(LP0002, 107.01.10版本) 如無國家標準可適用者，得依美國EIA、IEEE ANSI檢驗法檢驗，及美國FCC 47 CFR Part 2有關檢驗之規定及參考ANSI 63.10:2013、FCC CFR 47 15.209之檢驗法。

一般規定項目

項次	測試項目	適用規範	測試結果	量測設備	備註
1	待測試產品確認	低功率射頻電機技術規範2.1節	N/A	N/A	符合
2	天線之要求	低功率射頻電機技術規範2.2節	N/A	N/A	符合
3	電源線傳導干擾	低功率射頻電機技術規範2.3節	符合 (5.5節)	符合 (4.1節)	符合
4	不得發射減幅波	低功率射頻電機技術規範2.4節	N/A	N/A	符合
5	禁用頻帶確認	低功率射頻電機技術規範2.7節	合格	N/A	符合
6	輻射電場強度	低功率射頻電機技術規範2.8節	合格 6.5	4.2	符合
7	是否成套銷售	低功率射頻電機技術規範2.11節	N/A	N/A	是
	以下空白				

特別規定：任何發射型式之器材

項次	測試項目	適用規範	測試結果	量測設備	備註
1	以下空白				

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2 適用規範

(1) 傳導之規定

依據NCC低功率射頻電機技術規範之2.3節，電源傳導干擾之限制要求如下：

頻率(MHz)	傳導限制值 (dBuV)	
	準峰值 (Quasi – peak)	平均值 (Average)
0.15 – 0.5	66 – 56	56 - 46
0.5 – 5	56	46
5 - 30	60	50

(2) 輻射之規定

低功率射頻電機，除本規範各章節另有放寬規定者外，其電場強度不得超過下表之限值，且其不必要之發射皆不得大於主波發射強度。各頻段重疊處，以較嚴格之限制值為準。

頻率 MHz	測試距離 m	其他發射之限制值	
		dBμV/m	μV/m
0.009 – 0.490 (含)	300		2,400 / 頻率 (千赫)
0.490 (不含) – 1.705 (含)	30		24,000 / 頻率 (千赫)
1.705 (不含) – 30 (含)	30		30
30 - 88	3	40.0	100
88 - 216	3	43.5	150
216 - 960	3	46.0	200
960以上	3	54.0	500

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發射頻率 129KHz, 各次諧波限制值為

頻率KHz	測試距離 m	限制值 $\mu\text{V}/\text{m}$	限制值 $\text{dB}\mu\text{V}/\text{m}$	Distance Factor dB	限制值 $\text{dB}\mu\text{V}/\text{m}$ at 3m
129	300	2,400 / 頻率 (千赫)	25.39	80	105.39
258	300	2,400 / 頻率 (千赫)	19.37	80	99.37
387	300	2,400 / 頻率 (千赫)	15.85	80	95.85
516	30	24,000 / 頻率 (千赫)	33.35	40	73.35
645	30	24,000 / 頻率 (千赫)	31.41	40	71.41
774	30	24,000 / 頻率 (千赫)	29.83	40	69.83
903	30	24,000 / 頻率 (千赫)	28.49	40	68.49
1032	30	24,000 / 頻率 (千赫)	27.33	40	67.33
1161	30	24,000 / 頻率 (千赫)	26.31	40	66.31
1290	30	24,000 / 頻率 (千赫)	25.39	40	65.39

300m limite 轉換到 3 m limit 因數(Factor)

$$40\log(300/3) = 80.00\text{dB}$$

30m limite 轉換到 3 m limit 因數(Factor)

$$40\log(30/3) = 40.00\text{dB}$$

(3) 發射天線之要求

低功率發射機，依據NCC低功率射頻電機技術規範2.2節之規定，其發射天線應為全固定式或半固定式，不得使用可供引接之天線接頭。

- (4) 依據 NCC 低功率射頻電機技術規範 2.11 節之要求，收、發信機為成套銷售者，收、發信機應一併送審或提供經型式認證合格之對應收、發信機之送審資料；送信機之輻射電場強度不得超過第 2.8 節之發射規定，且不得接收、解調第 2.7 節所列之頻率。

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(5) 上表規定之電場強度，發射頻率在 9-90 千赫(kHz)、110-490 千赫 (kHz) 以及 1000 兆赫(MHz)以上者，其量測應以平均值檢波器為基準，且應符合第 5.15.2 節之規定；其他發射頻率，應以國際無線電干擾特別委員會 (INTERNATIONAL SPECIAL COMMITTEE ON RADIO INTERFERENCE, CISPR) 準峰值 (quasi-peak) 檢波器測量；非以上表所指定之距離測量時，應符合第 LP0002, 5.5 節之規定，輻射發射之量測頻率範圍應符合 LP0002 第 5.14 節之規定。

(6) 限制使用之頻帶

依據NCC低功率射頻電機技術規範2.7節之要求，任何低功率射頻電機之主波皆不得使用下表所列各頻帶內之頻率；低功率射頻電機落於下表所列頻帶內之混附發射，其電場強度必須符合第2.8節的限制規定。

頻率 (MHz)	頻率 (MHz)	頻率 (MHz)
0.090~0.110	240.00~285.00	3332.0~3339.0
0.490~0.510	322.00~335.40	3345.8~3358.0
2.172~2.198	399.90~410.00	3500.0~4400.0
3.013~3.033	485.00~510.00	4500.0~5250.0
4.115~4.198	608.00~614.00	5350.0~5460.0
5.670~5.690	703.00~748.00	7250.0~7750.0
6.200~6.300	758.00~803.00	8025.0~8500.0
8.230~8.400	825.00~915.00	9000.0~9200.0
12.265~12.600	930.00~1240.0	9300.0~9500.0
13.340~13.430	1300.0~1427.0	10600~12700
14.965~15.020	1435.0~1626.5	13250~13400
16.700~16.755	1660.0~1785.0	14470~14500
19.965~20.020	1805.0~1880.0	15350~16200
25.500~25.700	1885.0~1900.0	17700~21400
37.475~38.275	1905.0~1985.0	22010~23120
73.500~75.400	2010.0~2025.0	23600~24000
108.00~138.00	2110.0~2170.0	31200~31800
149.90~150.05	2200.0~2300.0	36430~36500
156.70~156.90	2310.0~2390.0	38600 以上
162.01~167.17	2483.5~2900.0	
167.72~173.20	3260.0~3267.0	

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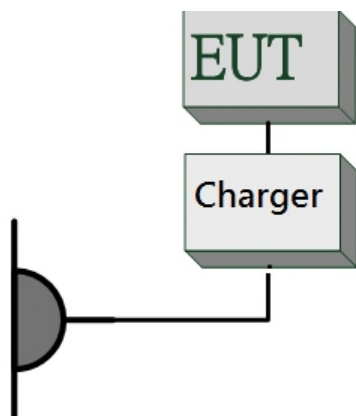
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3 受測裝置之系統說明

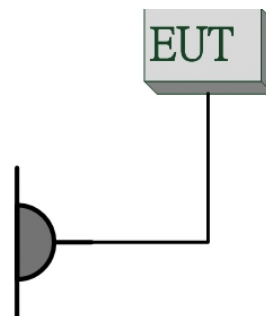
裝置名稱	製造者/申請者	型號	纜線說明
*Push Ultra	Theragun, Inc. SKULLCANDY, INC./ SKULLCANDY, INC.	S2BDW	無纜線

3.1 待測物與測試設備系統圖

**Radiated Emission & Conduction
(AC Power Line)**



**Radiated Emission & Conduction
(System)**



3.2 輔助測試週邊設備名稱描述

編號	產品別	商標	型號	序號
1.	N/A	N/A	N/A	N/A
2.	Adapter	HSHONGAHAING	MUC-5K	AC-USB012
3.	WPC	MI	WPC01ZM	WPC01ZM

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4 量測儀器設備

4.1 AC 電源端傳導干擾之量測儀器

Conducted Emission Test Site					
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL.	CAL DUE.
LISN	SCHWARZBECK Mess-Elektronik	NSLK8127	974	03/25/2020	03/24/2021
EMI Test Receiver	R&S	ESCI	101342	04/28/2020	04/27/2021
Adapter	HSHONGAHAING	MUC-5K	AC-USB012	N/A	N/A
WPC	MI	WPC01ZM	WPC01ZM	N/A	N/A

4.2 量測場強輻射之量測儀器

966 Chamber					
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL.	CAL DUE.
Broadband Antenna	TESEQ	CBL 6112D	35240	09/09/2019	09/08/2020
Loop Antenna	ETS.LINDGREN	6502	143303	04/28/2020	04/27/2021
EMI Test Receiver	R&S	ESU 40	100363	04/29/2020	04/28/2021
Pre-Amplifier	EMC Instruments	EMC330	980096	11/20/2019	11/19/2020
Coaxial Cable	Huber Suhner	RG 214/U	W22.03	11/20/2019	11/19/2020

註: 以上部份設備跟量測值沒有影響，且沒有直接關聯，因此不需要進行校正。

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5 電源線傳導干擾之量測

5.1 適用標準

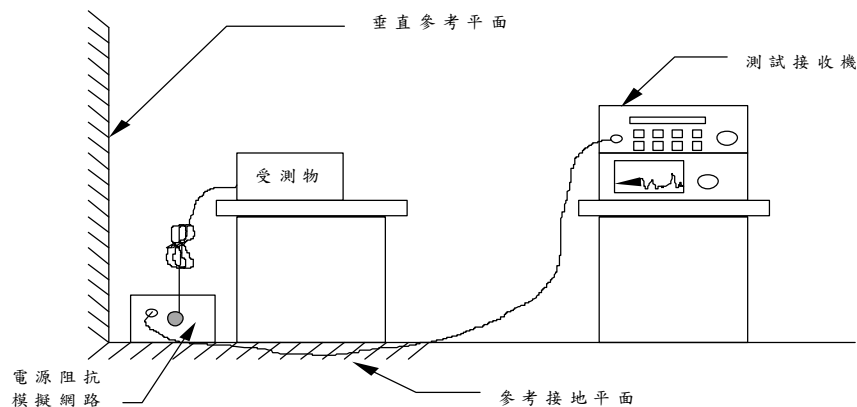
依據NCC低功率射頻電機技術規範2.3節之要求。

5.2 測試方法

將待測物置於0.8米高的非金屬桌面，使其在工作狀態，待測物電源線接至電源線阻抗穩定網路上，從測試接收機記錄頻率由 0.15MHz 至 30MHz 之間之電源線傳導放射強度的峰值量側(Peak)並提供掃描圖, Mark 最大的六個頻率點進行準峰值量測(QP),如果準峰值QP結果值已低於AV限制值時將不再進行AV值的量測。

5.3 測試配置

圖 3：傳導干擾之量測配置



5.4 干擾值之計算

電源傳導干擾電壓之計算公式如下

$$\text{結果值} = \text{儀器讀值(QP/AV)} + \text{校正因數}$$

其中校正因數為：

饋線損失 + 電源阻抗模擬網路損失

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5.5 傳導干擾之量測結果:

WPC

Report Number :E2/2020/50123

Test Date :2020-06-17

Test Mode :WPC

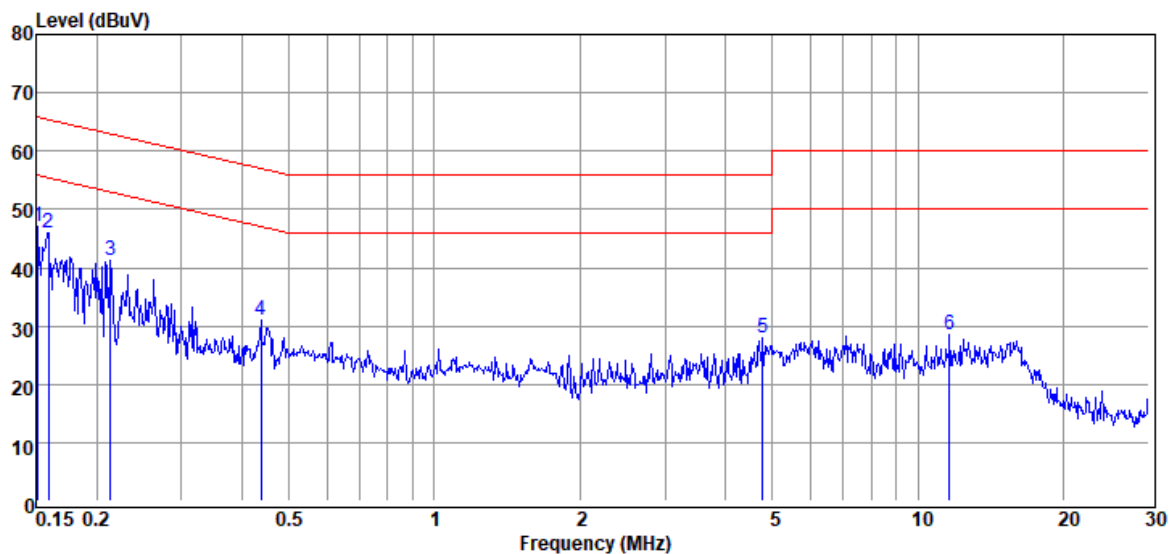
Temp./Humi. :23.7/59

Power :110V/60Hz

Engineer :Ashton

Probe :L1

:



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
0.15	Peak	36.78	10.22	47.00	65.91	-18.91
0.16	Peak	35.77	10.22	45.99	65.52	-19.53
0.21	Peak	31.10	10.22	41.32	63.05	-21.73
0.44	Peak	20.65	10.22	30.87	57.11	-26.24
4.77	Peak	17.54	10.50	28.04	56.00	-27.96
11.62	Peak	17.85	10.73	28.58	60.00	-31.42

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Report Number :E2/2020/50123

Test Date :2020-06-17

Test Mode :WPC

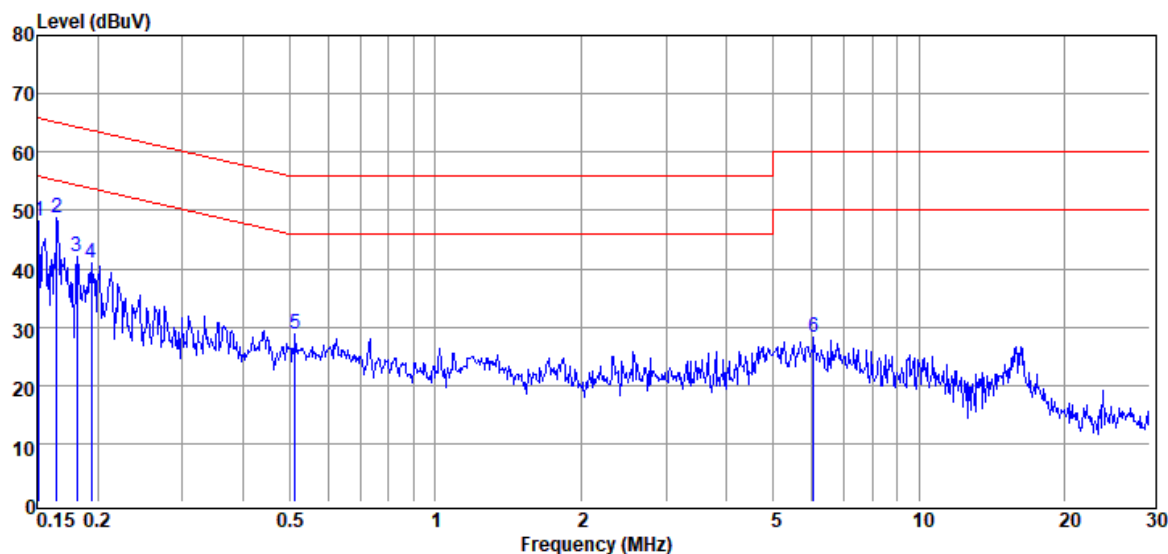
Temp./Humi. :23.7/59

Power :110V/60Hz

Engineer :Ashton

Probe :N

:



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBUV	Factor dB	Actual FS dBUV/m	Limit @3m dBUV/m	Margin dB
0.15	Peak	37.96	10.21	48.17	65.91	-17.74
0.17	Peak	38.45	10.21	48.66	65.21	-16.55
0.18	Peak	31.80	10.21	42.01	64.42	-22.41
0.19	Peak	30.83	10.21	41.04	63.84	-22.80
0.51	Peak	18.70	10.22	28.92	56.00	-27.08
6.06	Peak	17.75	10.57	28.32	60.00	-31.68

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System

Report Number :E2/2020/50123

Test Date :2020-06-17

Test Mode :System

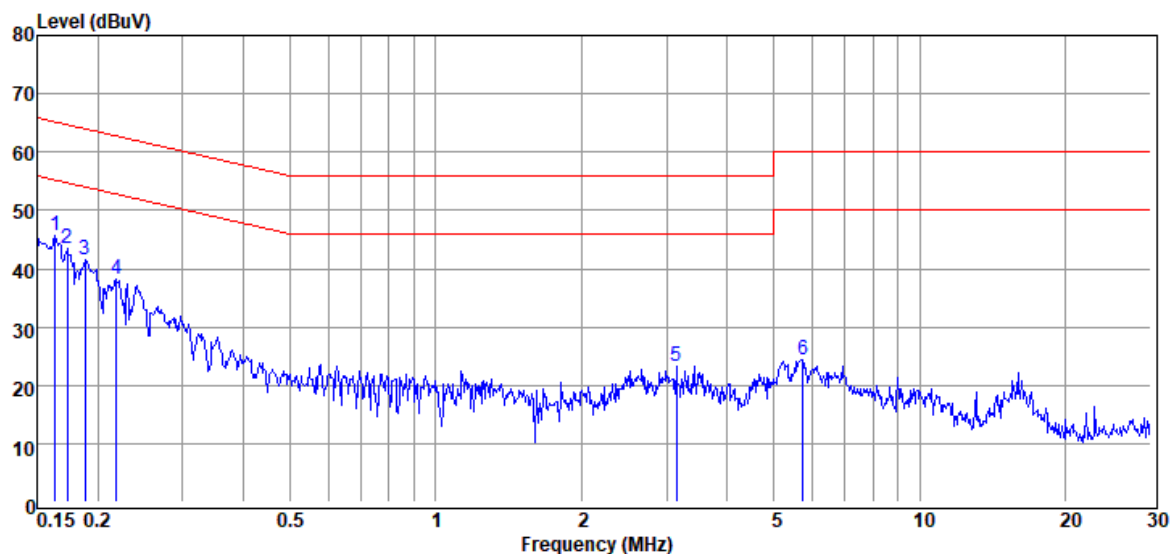
Temp./Humi. :23.6/59

Power :110V/60Hz

Engineer :Ashton

Probe :L1

:



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
0.16	Peak	35.44	10.22	45.66	65.30	-19.64
0.17	Peak	33.18	10.22	43.40	64.81	-21.41
0.19	Peak	31.32	10.22	41.54	64.11	-22.57
0.22	Peak	27.97	10.22	38.19	62.88	-24.69
3.14	Peak	12.73	10.47	23.20	56.00	-32.80
5.74	Peak	13.79	10.55	24.34	60.00	-35.66

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Report Number :E2/2020/50123

Test Date :2020-06-17

Test Mode :System

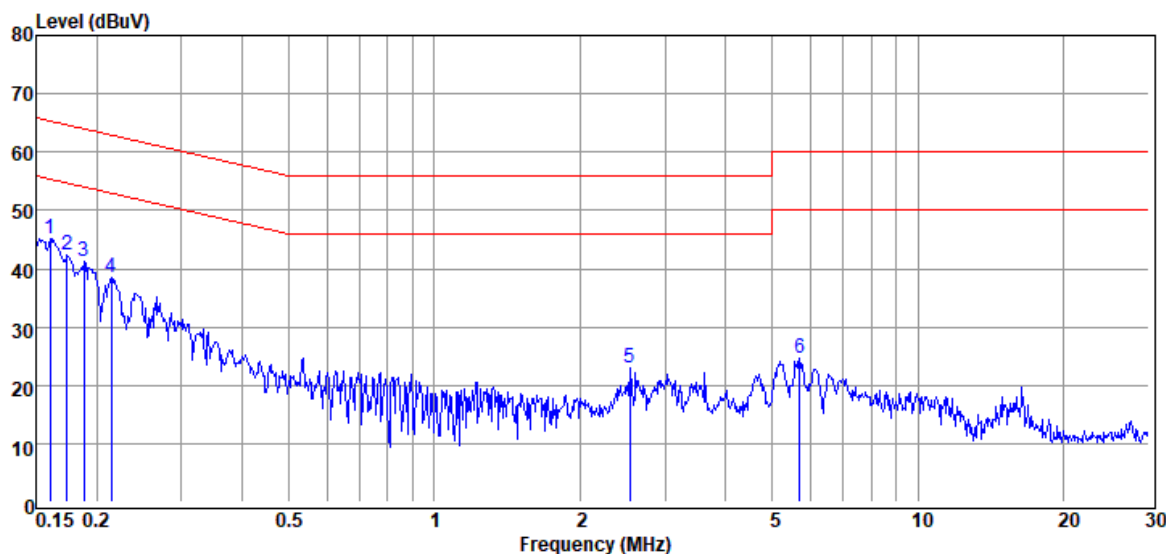
Temp./Humi. :23.6/59

Power :110V/60Hz

Engineer :Ashton

Probe :N

:



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
0.16	Peak	34.84	10.21	45.05	65.43	-20.38
0.17	Peak	32.16	10.21	42.37	64.77	-22.40
0.19	Peak	31.14	10.21	41.35	64.11	-22.76
0.22	Peak	28.36	10.21	38.57	63.01	-24.44
2.54	Peak	12.49	10.46	22.95	56.00	-33.05
5.68	Peak	14.16	10.56	24.72	60.00	-35.28

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6 場強輻射之量測

6.1 適用標準

依據NCC低功率射頻電機技術規範2.9節之要求，其電場強度及不必要之輻射干擾需符合表2.8之限制要求。

6.2 量測方法

將待測物置於 0.8 米高的非金屬桌面，使其在工作狀態，接收天線置於 3 米外相同的高度。待測物分別要垂直或水平放置，而且桌面要 360 度旋轉，另外接收天線也要從 1.0 米至 4.0 米升降變化，以找出最大的輻射電場強度，接收天線置於水平、垂直極向各執行測試一次。

9kHz~150kHz 測試

解析頻寬:	300Hz	視訊頻寬:	300Hz
量測天線:	6502	檢測器:	Quasi-Peak

150kHz~30MHz 測試

解析頻寬:	10kHz	視訊頻寬:	10kHz
量測天線:	6502	檢測器:	Quasi-Peak

1GHz 以下測試

解析頻寬:	100kHz	視訊頻寬:	100kHz
量測天線:	CBL 6112D	檢測器:	Quasi-Peak

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6.3 場強度之計算

A. 場強之計算公式如下

$$\text{結果值} = \text{讀值} + \text{校正因數}$$

其中校正因數為：

天線因數 + 饋線損失 + 濾波器損失（若有使用） - 放大器增益（若有使用）
量測結果請見下頁。

註：

1. 經評估後，比較 H PLAN、E1 PLAN 和 E2 PLAN 測試值後附上最差模式 E2 PLAN 數據。

Note : Actual FS(dBμV/m) = SPA. Reading level(dBμV) + Factor(dB)

Factor(dB) = Antenna Factor(dBμV/m) + Cable Loss(dB) – Pre_Amplifier Gain(dB)

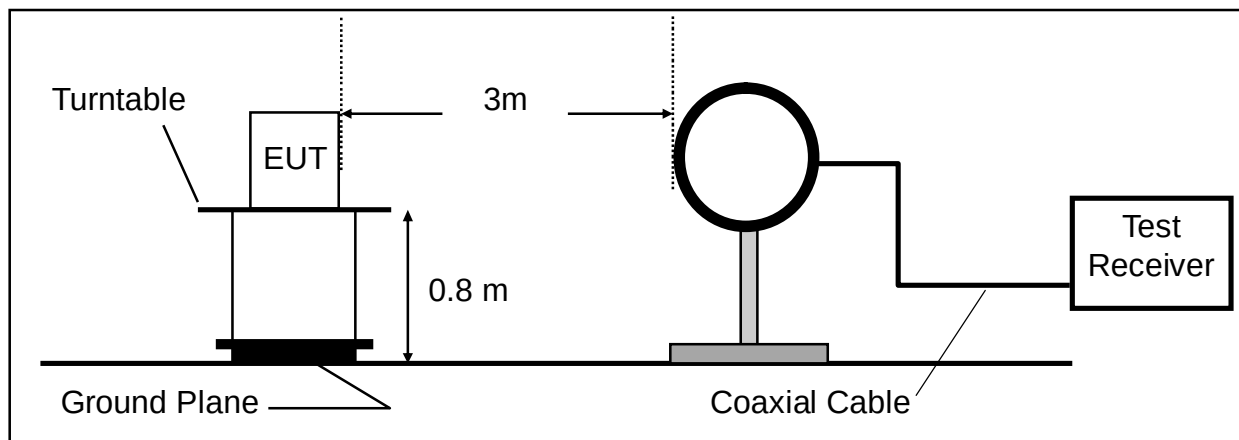
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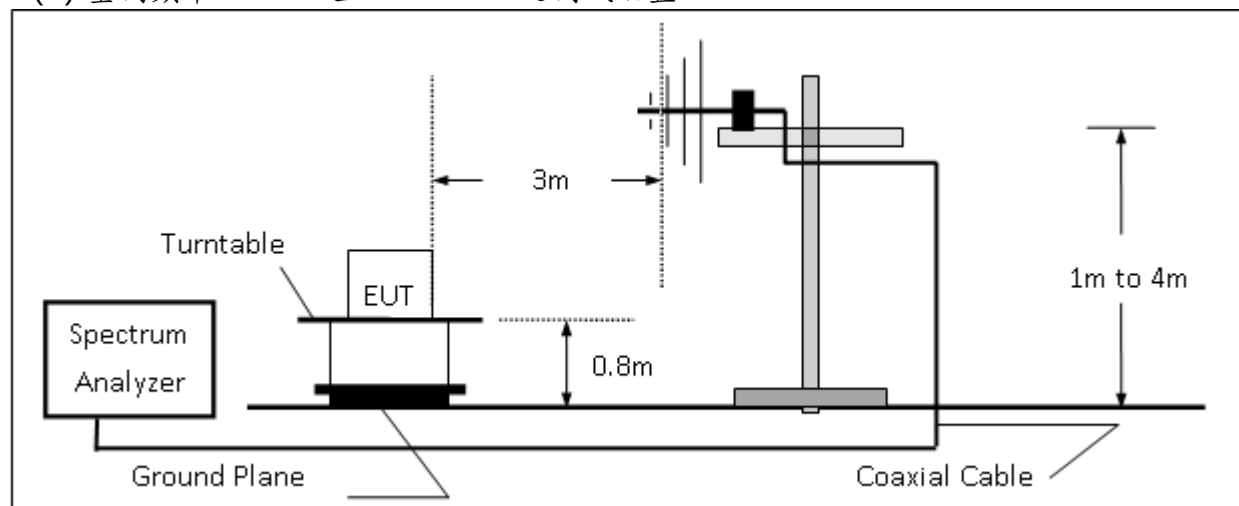
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6.4 輻射之測試配置

(A) 量測頻率低於 30MHz 以下之測試配置



(B) 量測頻率 30MHz 至 1000MHz 之測試配置



Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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6.4.1 發射機

A. RF Portion (一般規定之 2.8 節) – 主波：125kHz

Report Number :E2/2020/50123

Operation Mode :WPC

Test Frequency :129 KHz

Test Mode :Main

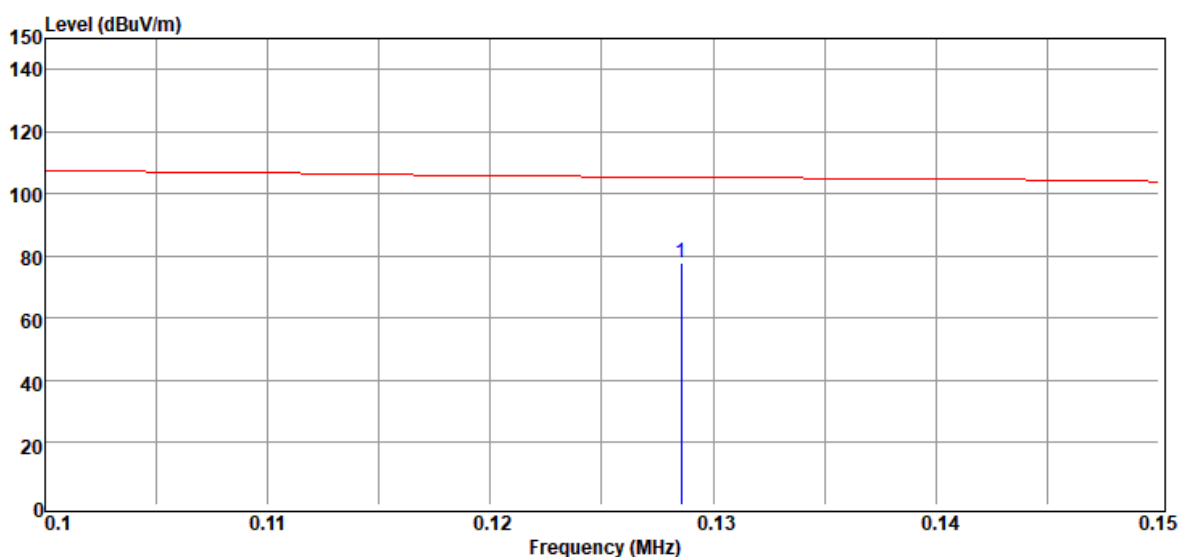
EUT Pol :E2 Plan

Test Date :2020-06-10

Temp./Humi. :22.9/61

Antenna Pol. :VERTICAL

Engineer :Ashton



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
0.129	Peak	66.70	11.12	77.82	105.42	-27.60

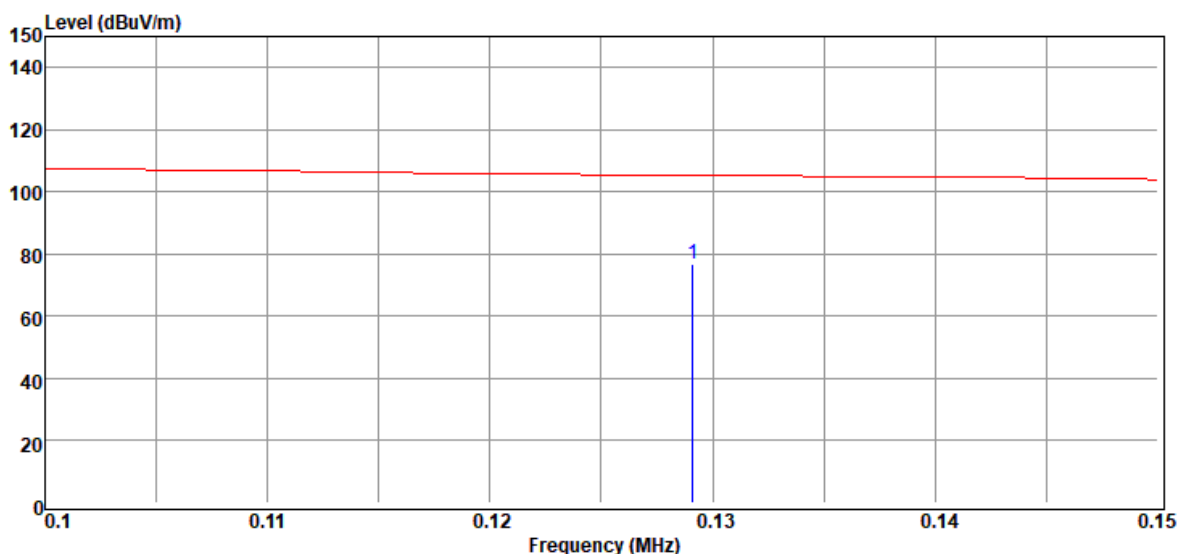
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Report Number :E2/2020/50123
 Operation Mode :WPC
 Test Frequency :129 KHz
 Test Mode :Main
 EUT Pol :E2 Plan

Test Date :2020-06-10
 Temp./Humi. :22.9/61
 Antenna Pol. :HORIZONTAL
 Engineer :Ashton



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
0.129	Peak	65.51	11.12	76.63	105.42	-28.79

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B. 其他不必要之訊號 (一般規定之 2.8 節)

Report Number :E2/2020/50123

Operation Mode :WPC

Test Frequency :129 KHz

Test Mode :TX

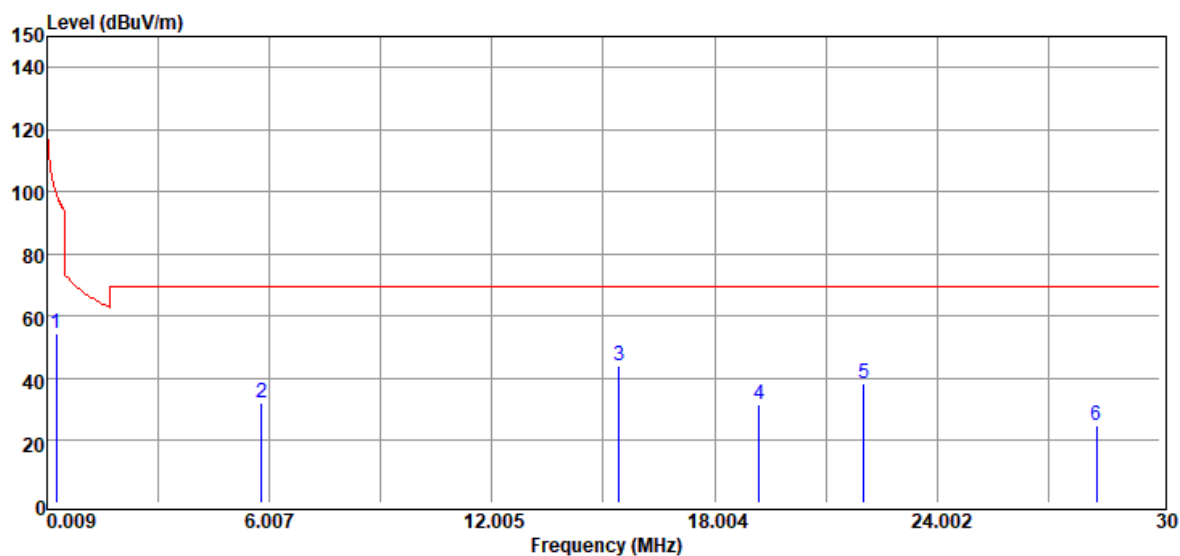
EUT Pol :E2 Plan

Test Date :2020-06-10

Temp./Humi. :22.9/61

Antenna Pol. :VERTICAL

Engineer :Ashton



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
0.258	Peak	43.50	11.20	54.70	99.37	-44.67
5.80	Peak	20.77	11.26	32.03	69.54	-37.51
15.42	Peak	33.39	10.56	43.95	69.54	-25.59
19.20	Peak	21.52	10.33	31.85	69.54	-37.69
22.02	Peak	28.82	9.82	38.64	69.54	-30.90
28.29	Peak	16.15	8.61	24.76	69.54	-44.78

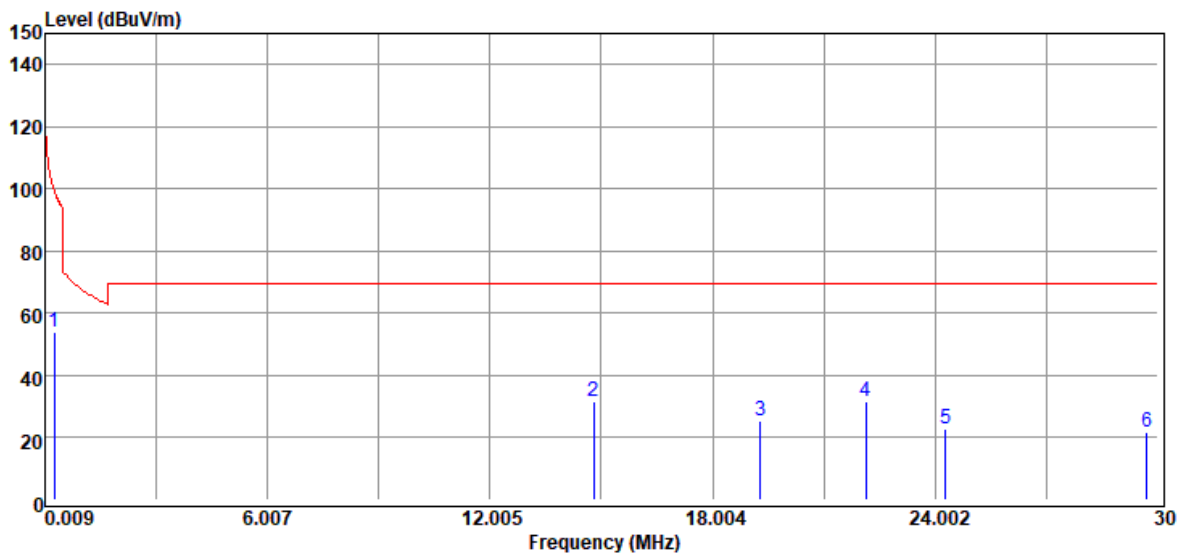
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Report Number :E2/2020/50123
 Operation Mode :WPC
 Test Frequency :129 KHz
 Test Mode :TX
 EUT Pol :E2 Plan

Test Date :2020-06-10
 Temp./Humi. :22.9/61
 Antenna Pol. :HORIZONTAL
 Engineer :Ashton



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
0.258	Peak	42.76	11.20	53.96	99.37	-45.41
14.80	Peak	21.30	10.60	31.90	69.54	-37.64
19.29	Peak	14.90	10.32	25.22	69.54	-44.32
22.14	Peak	21.65	9.80	31.45	69.54	-38.09
24.27	Peak	13.48	9.36	22.84	69.54	-46.70
29.70	Peak	13.21	8.38	21.59	69.54	-47.95

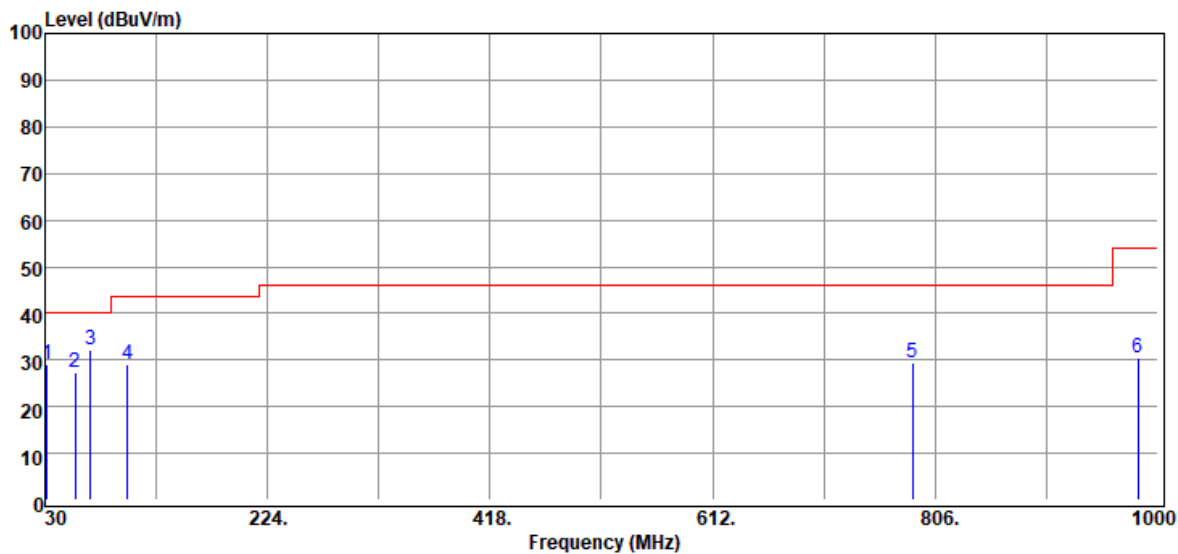
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Report Number :E2/2020/50123
 Operation Mode :WPC
 Test Frequency :129 KHz
 Test Mode :TX
 EUT Pol :E2 Plan

Test Date :2020-06-10
 Temp./Humi. :21.5/64
 Antenna Pol. :VERTICAL
 Engineer :Ashton



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
31.94	Peak	33.27	-4.26	29.01	40.00	-10.99
56.19	Peak	47.47	-20.07	27.40	40.00	-12.60
69.77	Peak	50.98	-18.90	32.08	40.00	-7.92
101.78	Peak	44.36	-15.21	29.15	43.50	-14.35
786.60	Peak	29.21	0.23	29.44	46.00	-16.56
982.54	Peak	28.58	1.82	30.40	54.00	-23.60

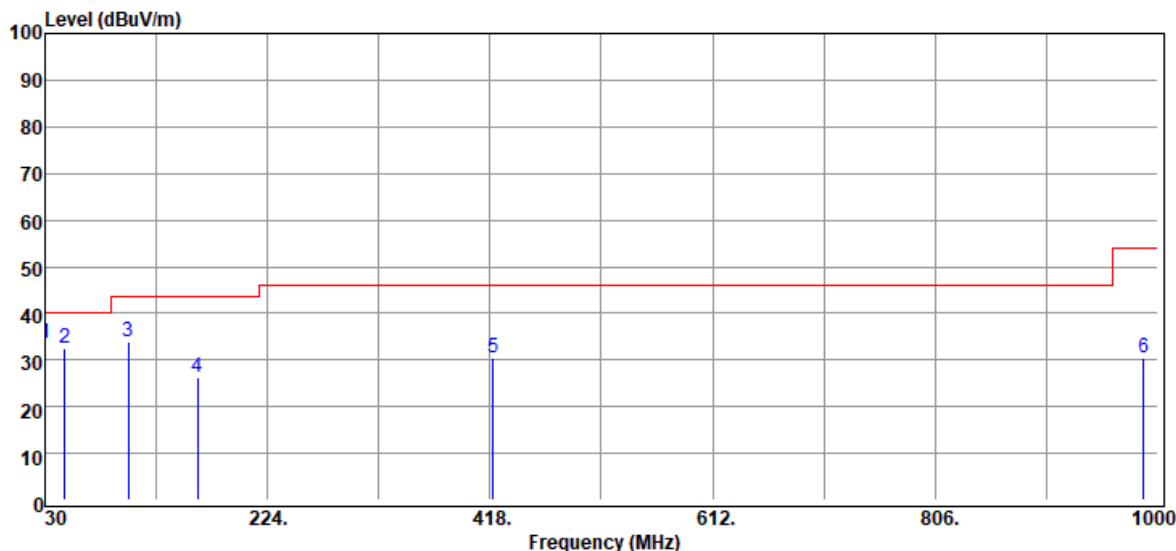
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Report Number :E2/2020/50123
 Operation Mode :WPC
 Test Frequency :129 KHz
 Test Mode :TX
 EUT Pol :E2 Plan

Test Date :2020-06-10
 Temp./Humi. :21.5/64
 Antenna Pol. :HORIZONTAL
 Engineer :Ashton



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
30.00	Peak	36.81	-3.33	33.48	40.00	-6.52
47.46	Peak	46.65	-14.22	32.43	40.00	-7.57
102.75	Peak	49.03	-15.14	33.89	43.50	-9.61
162.89	Peak	41.11	-14.88	26.23	43.50	-17.27
420.91	Peak	36.84	-6.29	30.55	46.00	-15.45
987.39	Peak	28.63	1.76	30.39	54.00	-23.61

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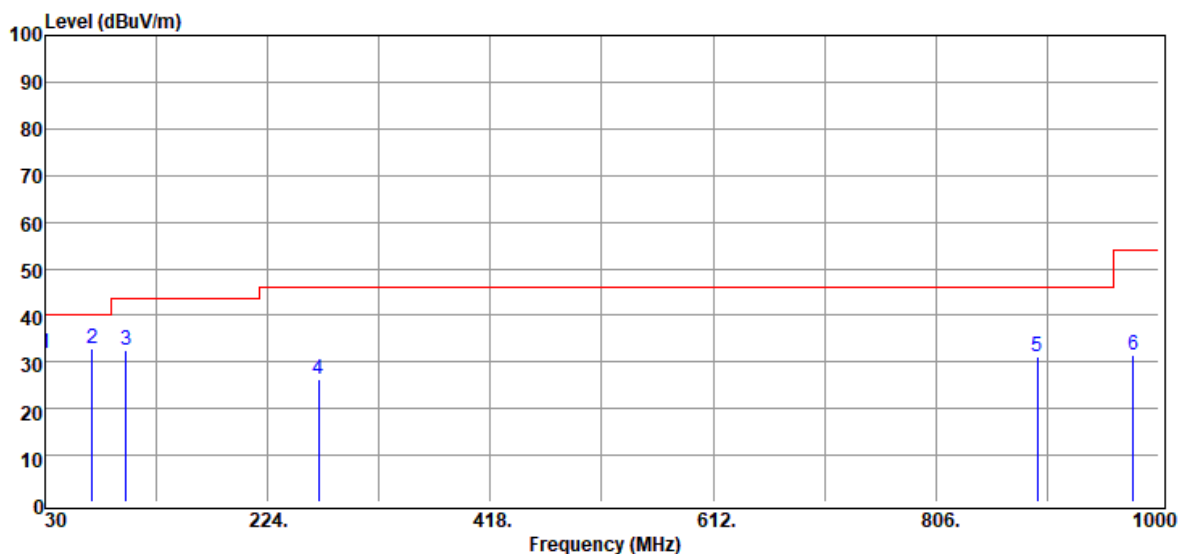
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System Mode

Report Number :E2/2020/50123
 Operation Mode :System
 Test Frequency :System
 Test Mode :System
 EUT Pol :E2 Plan

Test Date :2020-06-10
 Temp./Humi. :22.5/59
 Antenna Pol. :VERTICAL
 Engineer :Ashton



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
30.00	Peak	35.17	-3.33	31.84	40.00	-8.16
70.74	Peak	51.74	-18.71	33.03	40.00	-6.97
100.81	Peak	48.15	-15.47	32.68	43.50	-10.82
268.62	Peak	37.17	-11.04	26.13	46.00	-19.87
894.27	Peak	30.83	0.47	31.30	46.00	-14.70
977.69	Peak	29.61	1.75	31.36	54.00	-22.64

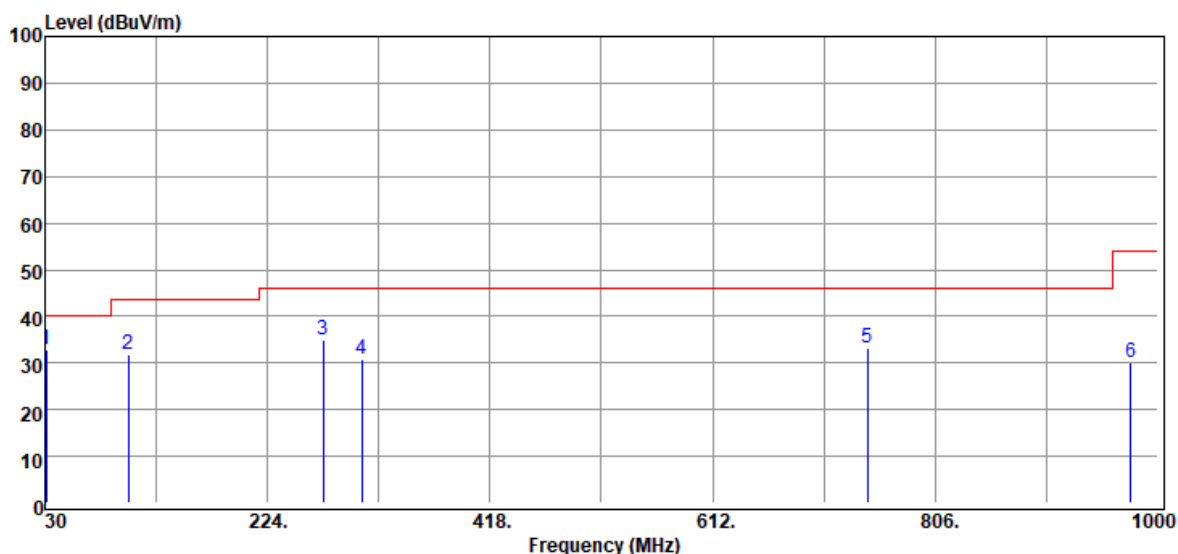
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Report Number :E2/2020/50123
 Operation Mode :System
 Test Frequency :System
 Test Mode :System
 EUT Pol :E2 Plan

Test Date :2020-06-10
 Temp./Humi. :22.5/59
 Antenna Pol. :HORIZONTAL
 Engineer :Ashton



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
30.97	Peak	36.79	-3.89	32.90	40.00	-7.10
102.75	Peak	46.93	-15.14	31.79	43.50	-11.71
272.50	Peak	46.06	-11.11	34.95	46.00	-11.05
306.45	Peak	41.28	-10.36	30.92	46.00	-15.08
746.83	Peak	34.94	-1.66	33.28	46.00	-12.72
976.72	Peak	28.56	1.69	30.25	54.00	-23.75

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6.4.2 接收機

A. 其他不必要之訊號 (一般規定之 2.8 節)

Report Number :E2/2020/50123

Operation Mode :WPC

Test Frequency :129 KHz

Test Mode :RX

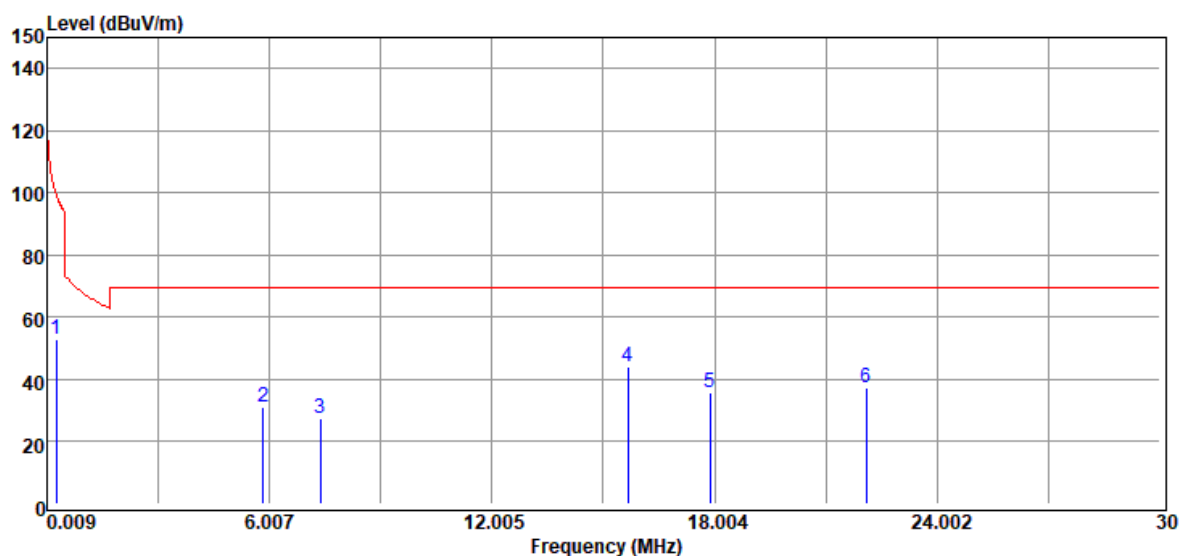
EUT Pol :E2 Plan

Test Date :2020-06-10

Temp./Humi. :21.5/61

Antenna Pol. :VERTICAL

Engineer :Ashton



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
0.258	Peak	41.94	11.20	53.14	99.37	-46.23
5.83	Peak	19.74	11.26	31.00	69.54	-38.54
7.39	Peak	16.52	11.14	27.66	69.54	-41.88
15.66	Peak	33.68	10.54	44.22	69.54	-25.32
17.88	Peak	25.38	10.40	35.78	69.54	-33.76
22.08	Peak	27.66	9.81	37.47	69.54	-32.07

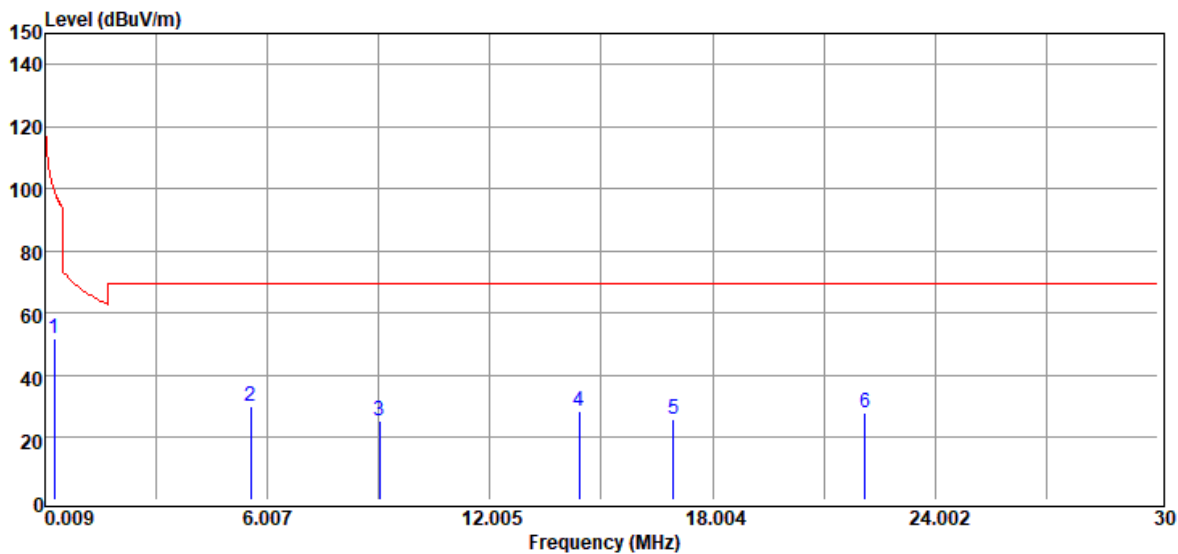
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Report Number :E2/2020/50123
 Operation Mode :WPC
 Test Frequency :129 KHz
 Test Mode :RX
 EUT Pol :E2 Plan

Test Date :2020-06-10
 Temp./Humi. :21.5/61
 Antenna Pol. :HORIZONTAL
 Engineer :Ashton



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
0.258	Peak	40.74	11.20	51.94	99.37	-47.43
5.56	Peak	18.88	11.28	30.16	69.54	-39.38
9.04	Peak	14.38	11.06	25.44	69.54	-44.10
14.41	Peak	18.17	10.63	28.80	69.54	-40.74
16.95	Peak	15.57	10.46	26.03	69.54	-43.51
22.11	Peak	18.22	9.80	28.02	69.54	-41.52

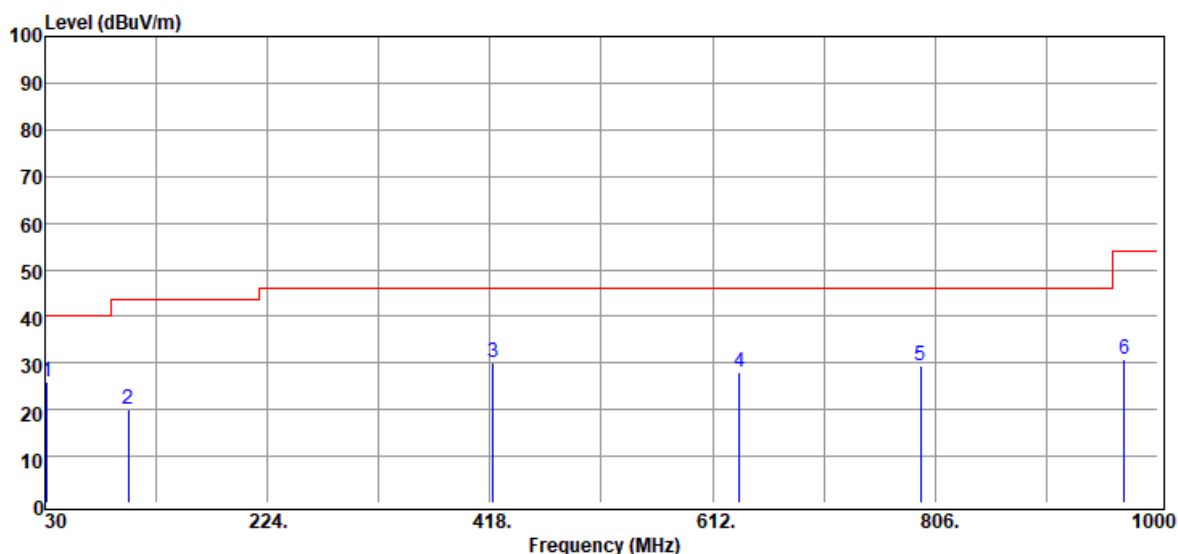
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Report Number :E2/2020/50123
 Operation Mode :WPC
 Test Frequency :129 KHz
 Test Mode :RX
 EUT Pol :E2 Plan

Test Date :2020-06-10
 Temp./Humi. :21.8/66
 Antenna Pol. :VERTICAL
 Engineer :Ashton



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
31.94	Peak	30.24	-4.26	25.98	40.00	-14.02
102.75	Peak	35.38	-15.14	20.24	43.50	-23.26
420.91	Peak	36.51	-6.29	30.22	46.00	-15.78
635.28	Peak	29.85	-1.87	27.98	46.00	-18.02
793.39	Peak	29.32	0.24	29.56	46.00	-16.44
970.90	Peak	29.33	1.38	30.71	54.00	-23.29

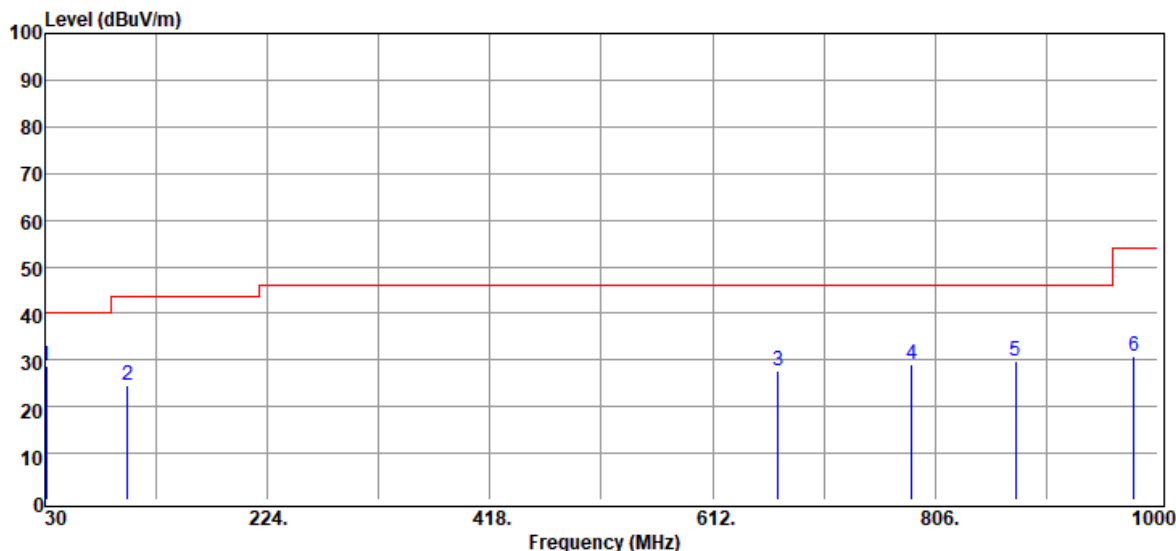
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Report Number :E2/2020/50123
 Operation Mode :WPC
 Test Frequency :129 KHz
 Test Mode :RX
 EUT Pol :E2 Plan

Test Date :2020-06-10
 Temp./Humi. :21.8/66
 Antenna Pol. :HORIZONTAL
 Engineer :Ashton



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
30.97	Peak	32.45	-3.89	28.56	40.00	-11.44
101.78	Peak	39.91	-15.21	24.70	43.50	-18.80
669.23	Peak	29.38	-1.71	27.67	46.00	-18.33
785.63	Peak	28.87	0.23	29.10	46.00	-16.90
875.84	Peak	29.73	0.10	29.83	46.00	-16.17
979.63	Peak	28.86	1.86	30.72	54.00	-23.28

~ End of Report ~

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