

低功率射頻器材試驗報告

申請廠商	Suunto Oy Tammiston kauppatie 7 A, 01510 Vantaa, Finland
製造廠商	Suunto Oy Tammiston kauppatie 7 A, 01510 Vantaa, Finland
產品名稱	Dive computer with BT and LF communication
廠牌	SUUNTO
型號	DW141
法規章節	LP0002 3.6
試驗件收樣日期	民國109年11月27日
試驗受理日期	民國109年11月24日
試驗執行日期	民國109年11月27日 ~ 民國109年12月18日
報告發行日期	民國110年2月8日

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一百零九年七月頒佈之低功率射頻器材技術規範測試。

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。

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。

Approved By:


楊景嵐



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Revision History

Report Number	Revision	Description	Issue Date	Remark
ER/2020/B0134	00	Original.	民國 110 年 2 月 8 日	Revised By: Ariel Chang

Note:

1、Disclaimer

Antenna information is provided by the applicant, the test results of this report are applicable to the sample EUT received.

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。

3、測試報告 ER-2020-B0133 之電源線傳導干擾及 Fully system 場強輻射測試數據，沿用於此報告中。

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1 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 : 109年01月30日起至110年06月13日止

測試場地 : 新北市新北產業園區五工路134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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2 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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3 一般資料

3.1 產品描述

產品名稱	Dive computer with BT and LF communication	
型號	DW141	
產品商標	SUUNTO	
使用電源	3.7 Vdc Rechargeable Li-polymer Battery	
	Battery	Model No.: DW141 Brand: SUUNTO
	USB Cable	Model No.: SS020307000, SUUNTO EON STEEL USB CABLE Brand: SUUNTO

3.2 射頻特性

發射頻帶	123kHz
電場強度	32.09 dBμV/m (Peak)
調變方式	PSK
頻道數	1
天線型式/天線增益	Inductive coil antenna , Gain: 2.15 dBi Model No.: DR-VZ 5/35 ; Supplier: Kaschke Components

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: SAMSUNG，型號: ETA-U90JWS。

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4 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器材技術規範(LP0002, 109.7.1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 C63.10:2013、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
1	待測試產品確認	低功率射頻器材技術規範3.1節	符合
2	天線之要求	低功率射頻器材技術規範3.2節	符合
3	電源線傳導干擾	低功率射頻器材技術規範3.3節	符合
4	不得發射減幅波	低功率射頻器材技術規範3.4節	符合
5	禁用頻帶確認	低功率射頻器材技術規範3.5節	符合
6	輻射電場強度	低功率射頻器材技術規範3.6節	符合
7	是否成套銷售	低功率射頻器材技術規範3.9節	不適用

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5 適用規範

(1) 傳導之規定

依據NCC低功率射頻器材技術規範之3.3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

低功率射頻器材，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	128.5-93.8	2,400 / 頻率 (千赫)
0.490 (不含) – 1.705 (含)	30	73.8-62.9	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 123KHz, 各次諧波限制值為

頻率KHz	測試距離 m	限制值μV/m	限制值 dBμV/m	Distance Factor dB	限制值 dBμV/m at 3m
123	300	2,400 / 頻率 (千赫)	25.81	80	105.81
246	300	2,400 / 頻率 (千赫)	19.79	80	99.79
369	300	2,400 / 頻率 (千赫)	16.26	80	96.26
492	30	24,000 / 頻率 (千赫)	33.76	40	73.76
615	30	24,000 / 頻率 (千赫)	31.83	40	71.83
738	30	24,000 / 頻率 (千赫)	30.24	40	70.24
861	30	24,000 / 頻率 (千赫)	28.90	40	68.90
984	30	24,000 / 頻率 (千赫)	27.74	40	67.74
1107	30	24,000 / 頻率 (千赫)	26.72	40	66.72
1230	30	24,000 / 頻率 (千赫)	25.81	40	65.81

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低功率射頻器材技術規範4.2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 低功率射頻器材技術規範 3.9 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 3.6 節之發射規定，且不得接收、解調第 3.5 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, 6.5 節之規定，輻射發射之量測頻率範圍應符合 LP0002 第 6.14 節之規定。

(6) 限制使用之頻帶

依據NCC低功率射頻器材技術規範3.5節之要求，任何低功率射頻器材之主波皆不得使用下表所列各頻帶內之頻率；低功率射頻器材落於下表所列頻帶內之混附發射，其電場強度必須符合第3.6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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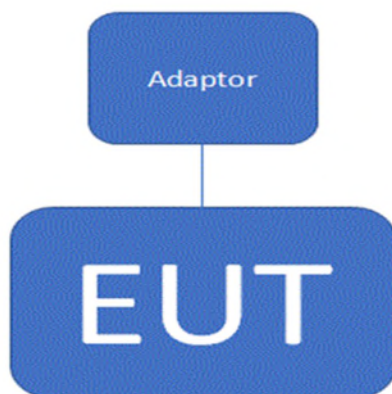
6 測試配置

6.1 待測物與測試週邊配置圖

Conducted (Antenna Port) & Radiated Emission



Conduction (AC power line) & Fully System



6.2 測試週邊描述

編號	產品別	商標	版本	型號	序號
1.	Adapter	SAMSUNG	N/A	ETA-U90JWS	RT4D402kS/BE

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7 量測儀器設備

7.1 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.
EMI Test Receiver	R&S	ESCI 7	100759	07/13/2020	07/12/2021
LISN	SCHWARZBECK	NSLK 8127	8127-465	04/09/2020	04/08/2021
Coaxial Cables	N/A	Coaxial Cable	161207	12/16/2020	12/15/2021

7.2 量測場強輻射之量測儀器

966 Chamber					
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL.	CAL DUE.
Bi-log Antenna	SCHWAZBECK	VULB9168	378	08/06/2020	08/05/2021
3m Site NSA	SGS	966 chamber	N/A	01/02/2020	01/01/2021
Loop Antenna	ETS.LINDGREN	6502	148045	10/19/2020	10/18/2021
PXA Spectrum Analyzer	Agilent	N9030A	MY53120760	04/21/2020	04/20/2021
EMI Test Receiver	R&S	ESCI 7	100759	07/13/2020	07/12/2021
Pre-Amplifier	HP	8447D	2944A07676	01/02/2020	01/01/2021
Low Loss Cable	Huber Suhner	966_RX	9	01/02/2020	01/01/2021

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8 電源線傳導干擾之量測

8.1 適用標準

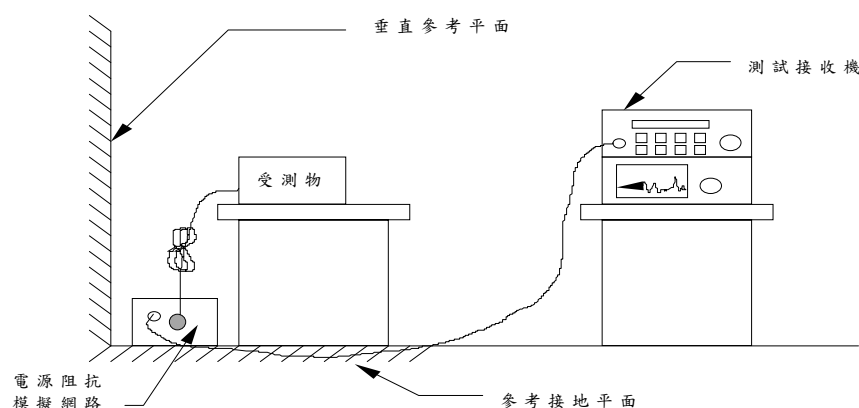
依據NCC低功率射頻器材技術規範3.3節之要求。

8.2 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。

8.3 測試配置

圖 3：傳導干擾之量測配置



8.4 干擾值之計算

電源傳導干擾電壓之計算公式如下

結果值 = 儀器讀值(QP/AV) + 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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8.5 傳導干擾之量測結果:

Report Number :ER-2020-B0133

Test Mode :Operation

Power :AC 110V/60Hz

Probe :L

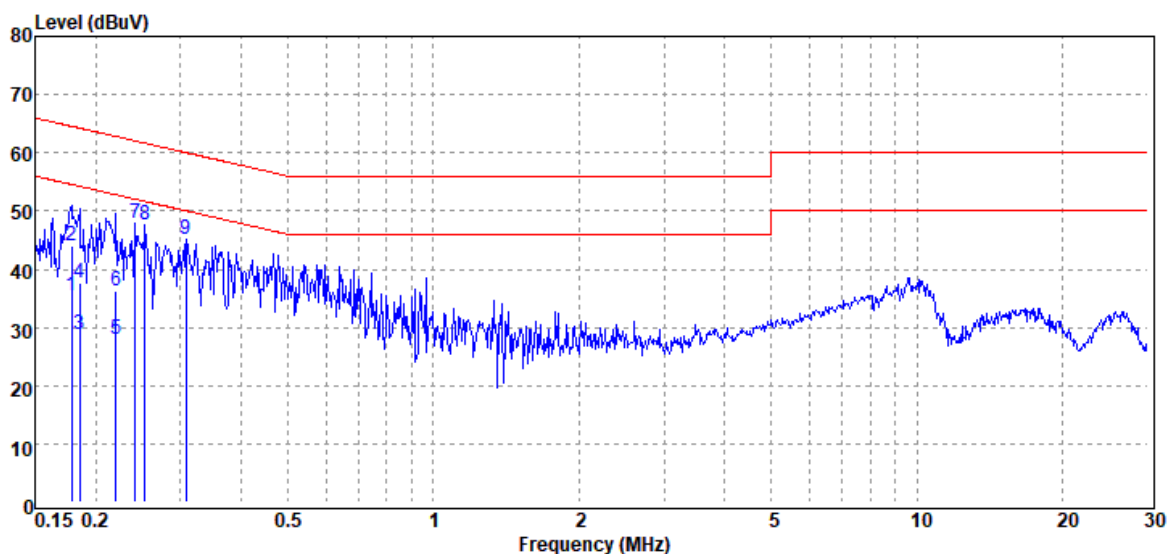
Note: :

Test Site :Conduction 6F

Test Date :2020-12-17

Temp./Humi. :25.3/61

Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV	Limit dBμV	Margin dB
0.18	Average	35.46	0.04	35.50	54.55	-19.05
0.18	QP	43.91	0.04	43.95	64.55	-20.60
0.19	Average	28.73	0.04	28.77	54.24	-25.47
0.19	QP	37.56	0.04	37.60	64.24	-26.64
0.22	Average	27.92	0.04	27.96	52.79	-24.83
0.22	QP	36.18	0.04	36.22	62.79	-26.57
0.24	Peak	47.73	0.04	47.77	62.04	-14.27
0.25	Peak	47.45	0.04	47.49	61.64	-14.15
0.31	Peak	44.98	0.06	45.04	60.02	-14.98

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Report Number :ER-2020-B0133

Test Mode :Operation

Power :AC 110V/60Hz

Probe :N

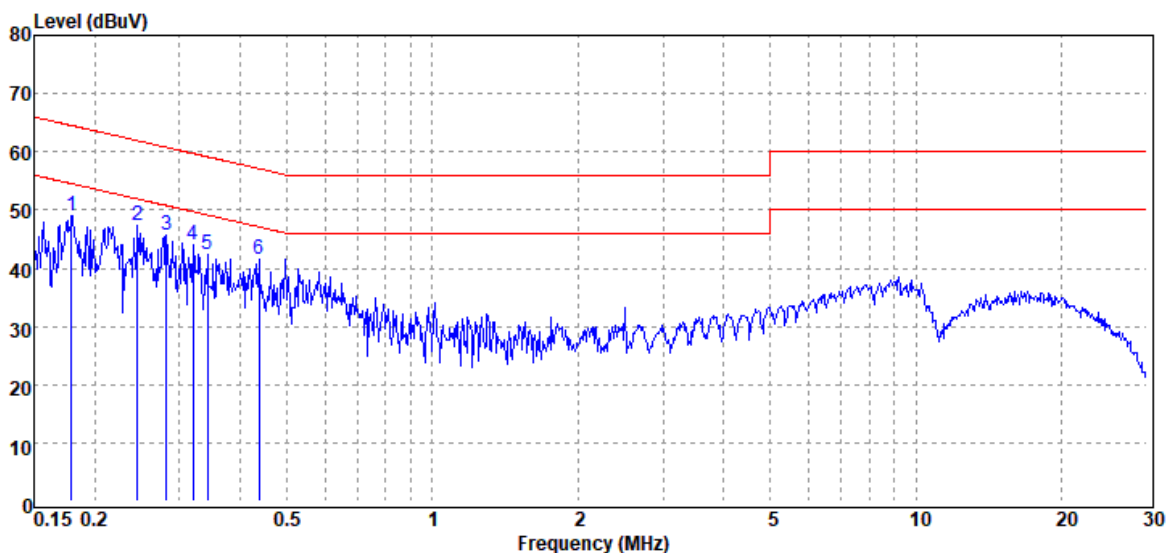
Note: :

Test Site :Conduction 6F

Test Date :2020-12-17

Temp./Humi. :25.3/61

Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV	Limit dBμV	Margin dB
0.18	Peak	48.96	0.11	49.07	64.50	-15.43
0.25	Peak	47.27	0.11	47.38	61.91	-14.53
0.28	Peak	45.45	0.11	45.56	60.76	-15.20
0.32	Peak	44.03	0.12	44.15	59.71	-15.56
0.34	Peak	42.31	0.14	42.45	59.13	-16.68
0.44	Peak	41.33	0.18	41.51	57.11	-15.60

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9 場強輻射之量測

9.1 適用標準

依據NCC低功率射頻器材技術規範3.9節之要求，其電場強度及不必要之輻射干擾需符合表3.6之限制要求。

9.2 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: VULB9168

檢測器: Quasi-Peak

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9.3 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：經評估後，比較 H PLAN、E1 PLAN 和 E2 PLAN 測試值後附上最差模式 H 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)

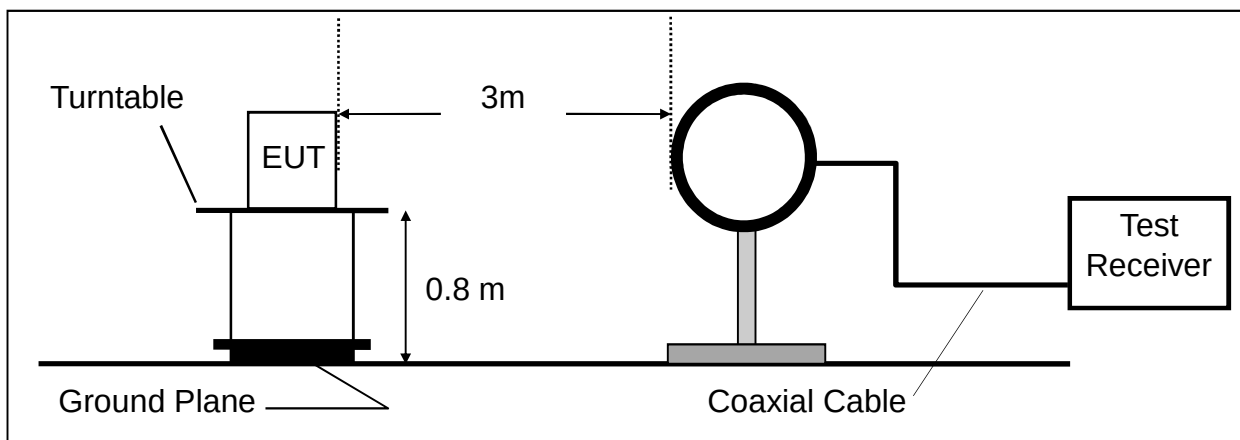
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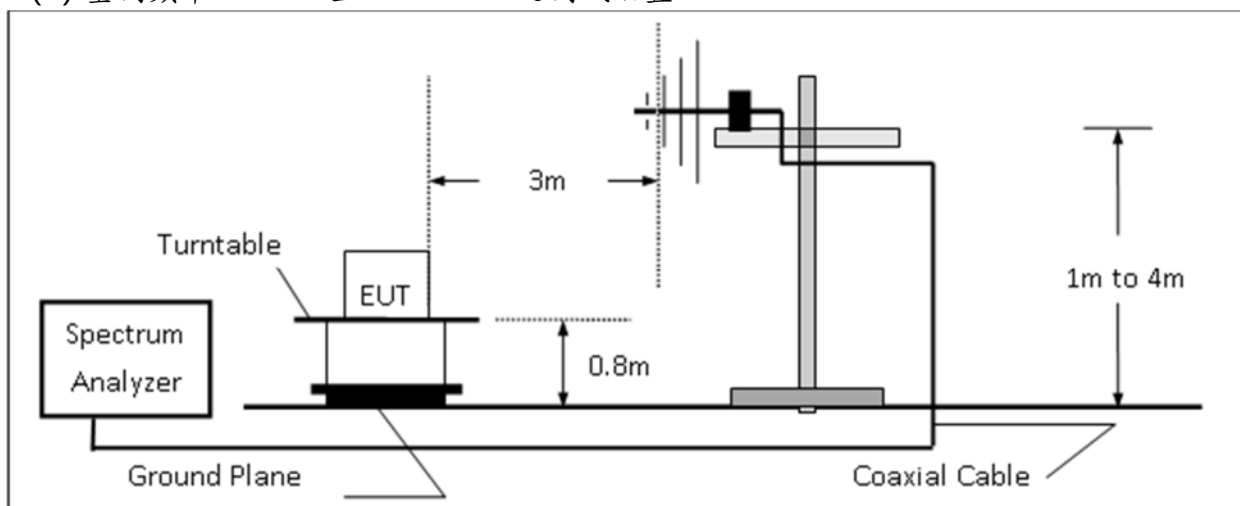
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9.4 輻射之測試配置

(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



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9.5 發射機

A. RF Portion (一般規定之 3.6 節) – 主波：123kHz

Report Number :ER-2020-B0134

Operation Mode :123KHz

Test Frequency :123 KHz

Test Mode :Main

EUT Pol :H Plane

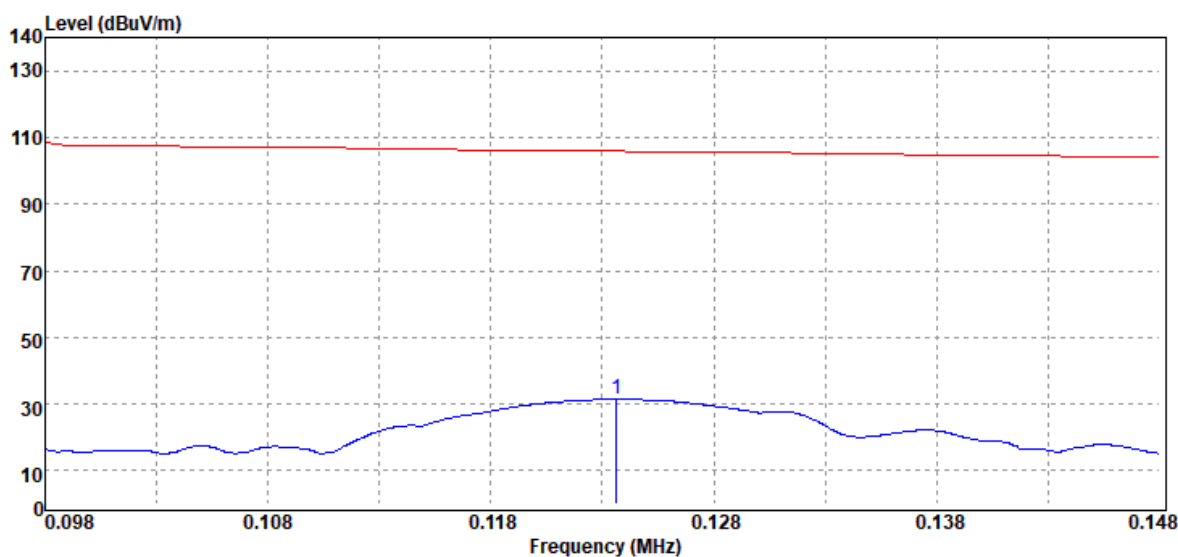
Test Site :SAC III Chamber

Test Date :2020-12-16

Temp./Humi. :22.2/59

Antenna Pol. :VERTICAL

Engineer :Nick



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
0.123	Peak	20.84	10.50	31.34	105.76	-74.42

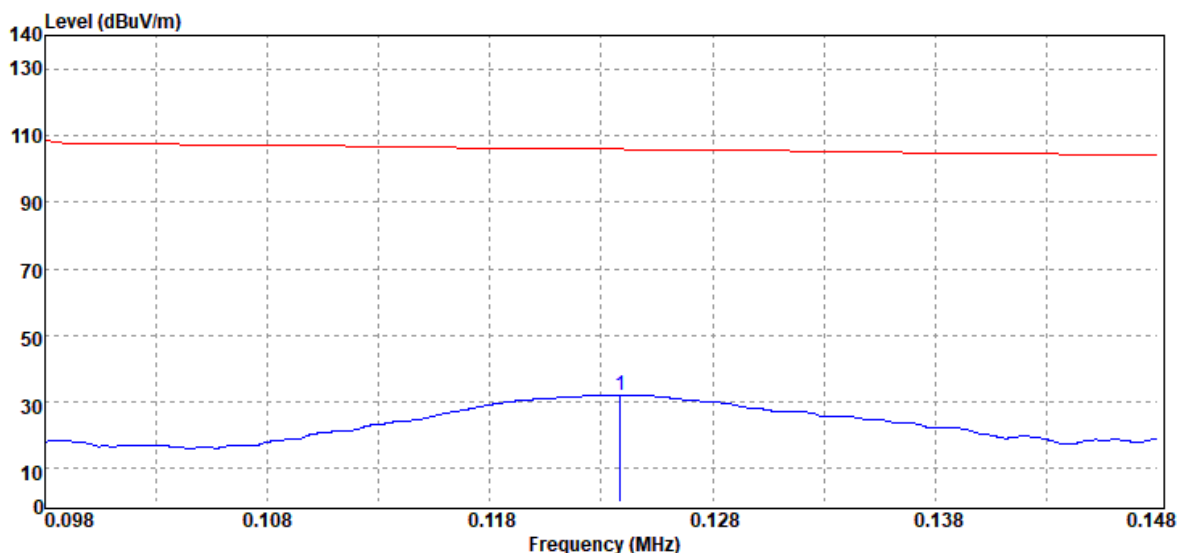
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Report Number :ER-2020-B0134
 Operation Mode :123KHz
 Test Frequency :123 KHz
 Test Mode :Main
 EUT Pol :H Plane

Test Site :SAC III Chamber
 Test Date :2020-12-16
 Temp./Humi. :22.2/59
 Antenna Pol. :HORIZONTAL
 Engineer :Nick



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
0.123	Peak	21.59	10.50	32.09	105.75	-73.66

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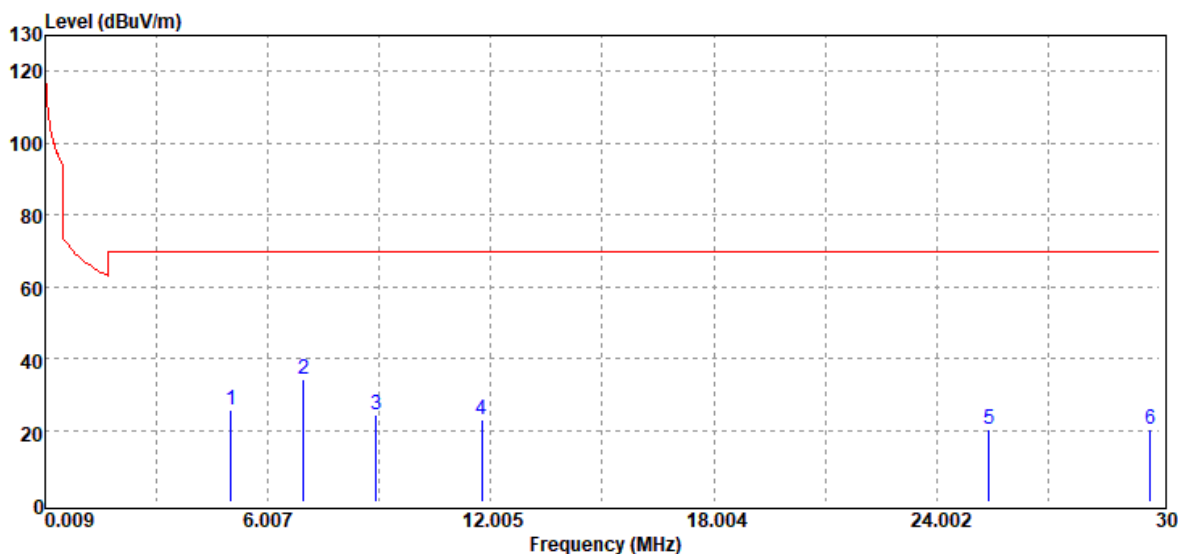
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B. 其他不必要之訊號 (一般規定之 3.6 節)

Report Number :ER-2020-B0134
 Operation Mode :123KHz
 Test Frequency :123 KHz
 Test Mode :Tx
 EUT Pol :H Plane

Test Site :SAC III Chamber
 Test Date :2020-12-16
 Temp./Humi. :22.2/59
 Antenna Pol. :VERTICAL
 Engineer :Nick



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5.02	Peak	14.59	11.20	25.79	69.54	-43.75
6.97	Peak	22.53	11.59	34.12	69.54	-35.42
8.92	Peak	12.28	11.90	24.18	69.54	-45.36
11.77	Peak	11.11	11.77	22.88	69.54	-46.66
25.41	Peak	10.87	9.59	20.46	69.54	-49.08
29.76	Peak	11.55	8.74	20.29	69.54	-49.25

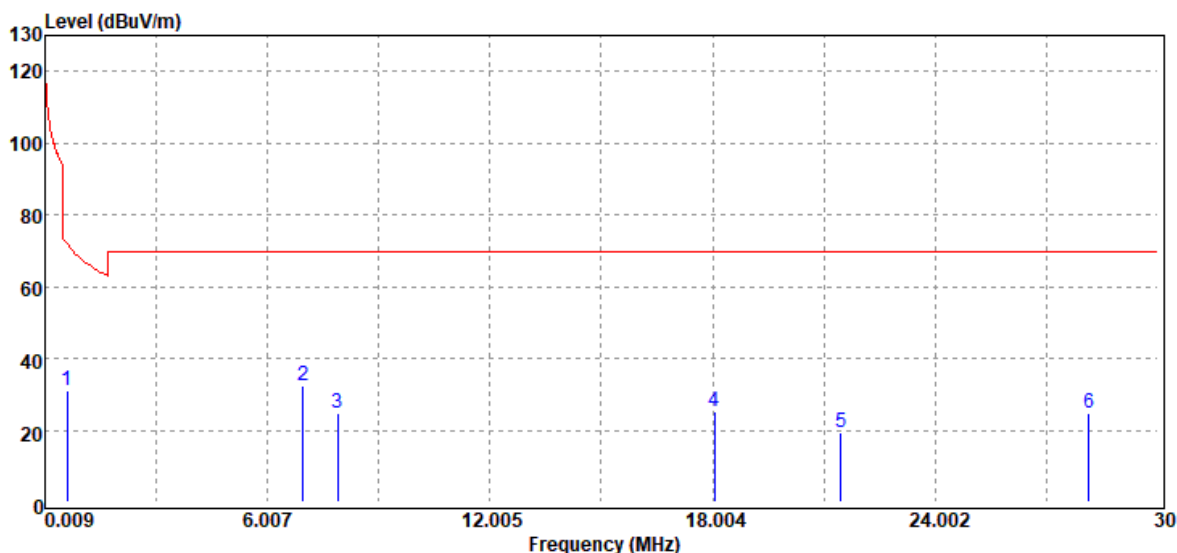
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Report Number :ER-2020-B0134
Operation Mode :123KHz
Test Frequency :123 KHz
Test Mode :Tx
EUT Pol :H Plane

Test Site :SAC III Chamber
Test Date :2020-12-16
Temp./Humi. :22.2/59
Antenna Pol. :HORIZONTAL
Engineer :Nick



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
0.61	Peak	19.89	11.06	30.95	71.92	-40.97
6.97	Peak	20.93	11.59	32.52	69.54	-37.02
7.90	Peak	13.08	11.75	24.83	69.54	-44.71
18.06	Peak	14.36	11.05	25.41	69.54	-44.13
21.45	Peak	8.92	10.50	19.42	69.54	-50.12
28.14	Peak	15.59	9.05	24.64	69.54	-44.90

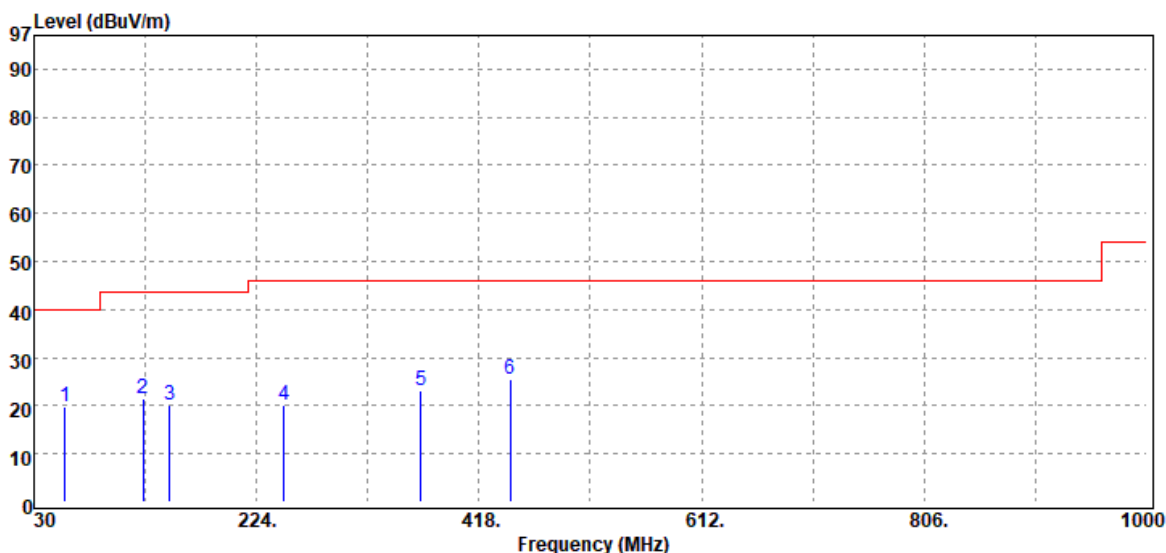
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Report Number :ER-2020-B0134
Operation Mode :123KHz
Test Frequency :123 KHz
Test Mode :Tx
EUT Pol :H Plane

Test Site :SAC III Chamber
Test Date :2020-12-16
Temp./Humi. :22.6/59
Antenna Pol. :VERTICAL
Engineer :Nick



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
57.16	Peak	28.46	-8.53	19.93	40.00	-20.07
125.06	Peak	30.54	-9.19	21.35	43.50	-22.15
148.34	Peak	27.44	-7.41	20.03	43.50	-23.47
248.25	Peak	27.95	-7.94	20.01	46.00	-25.99
367.56	Peak	27.89	-4.75	23.14	46.00	-22.86
445.16	Peak	28.12	-2.57	25.55	46.00	-20.45

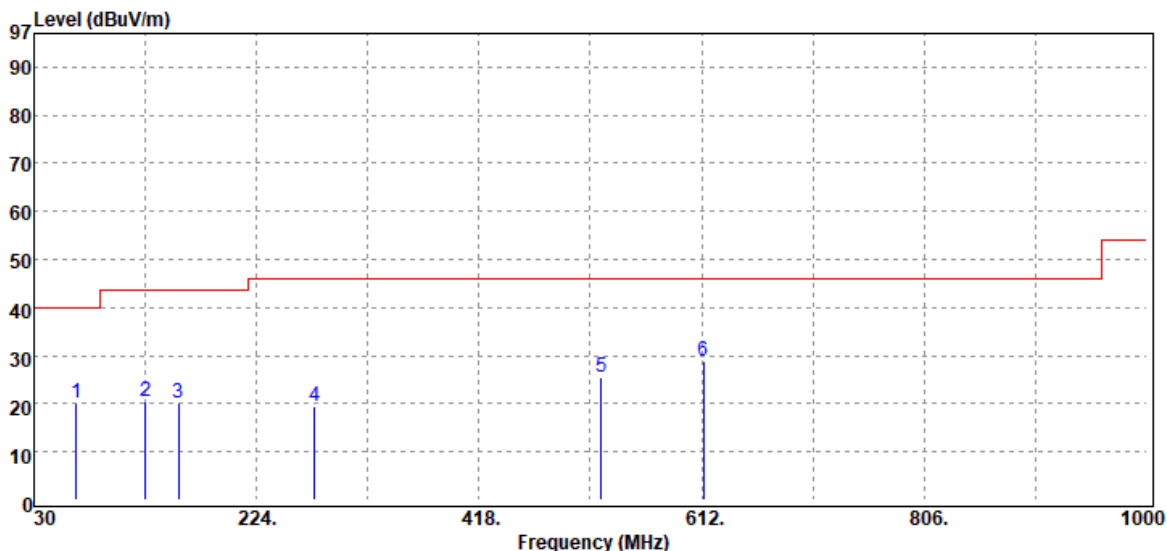
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Report Number :ER-2020-B0134
 Operation Mode :123KHz
 Test Frequency :123 KHz
 Test Mode :Tx
 EUT Pol :H Plane

Test Site :SAC III Chamber
 Test Date :2020-12-16
 Temp./Humi. :22.6/59
 Antenna Pol. :HORIZONTAL
 Engineer :Nick



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
66.86	Peak	29.77	-9.71	20.06	40.00	-19.94
127.00	Peak	29.51	-8.87	20.64	43.50	-22.86
156.10	Peak	27.57	-7.36	20.21	43.50	-23.29
274.44	Peak	26.39	-6.86	19.53	46.00	-26.47
524.70	Peak	28.30	-2.81	25.49	46.00	-20.51
613.94	Peak	29.30	-0.42	28.88	46.00	-17.12

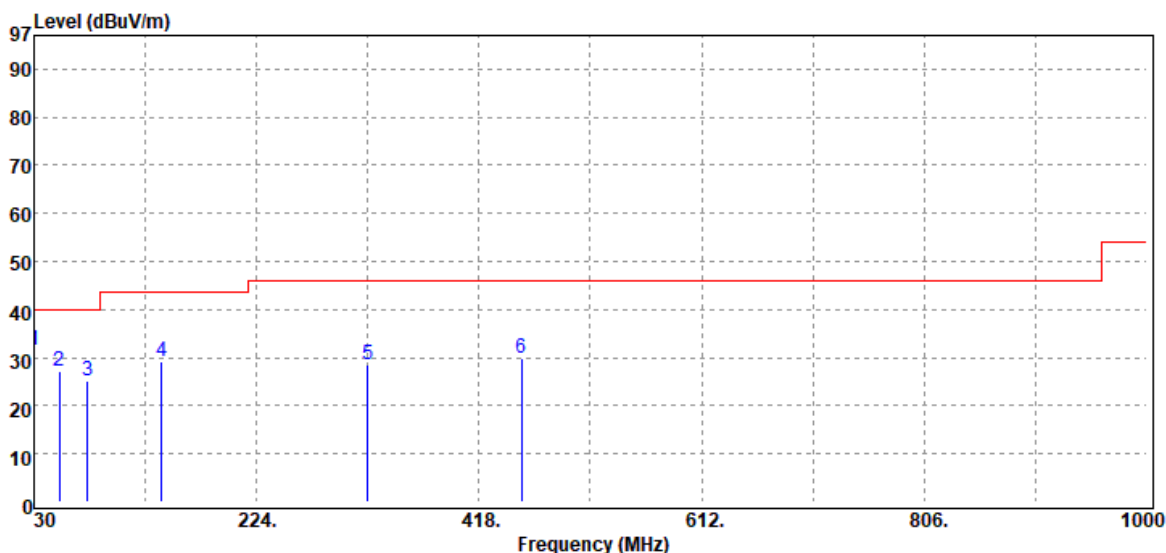
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Report Number :ER-2020-B0133
 Operation Mode :System
 Test Frequency :System
 Test Mode :System
 EUT Pol :H Plane

Test Site :SAC III Chamber
 Test Date :2020-12-16
 Temp./Humi. :22.6/59
 Antenna Pol. :VERTICAL
 Engineer :Nick



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	40.12	-8.72	31.40	40.00	-8.60
52.31	Peak	35.52	-8.26	27.26	40.00	-12.74
76.56	Peak	36.52	-11.51	25.01	40.00	-14.99
141.55	Peak	36.83	-7.56	29.27	43.50	-14.23
321.00	Peak	34.19	-5.70	28.49	46.00	-17.51
454.86	Peak	32.36	-2.40	29.96	46.00	-16.04

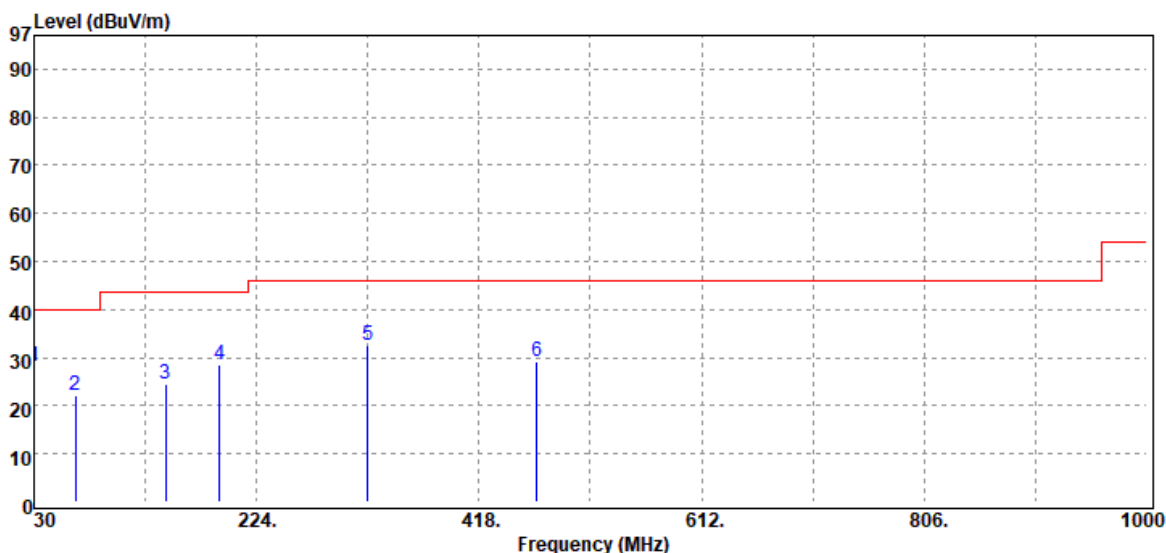
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Report Number :ER-2020-B0133
Operation Mode :System
Test Frequency :System
Test Mode :System
EUT Pol :H Plane

Test Site :SAC III Chamber
Test Date :2020-12-16
Temp./Humi. :22.6/59
Antenna Pol. :HORIZONTAL
Engineer :Nick



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	37.06	-8.72	28.34	40.00	-11.66
65.89	Peak	32.08	-9.78	22.30	40.00	-17.70
144.46	Peak	32.17	-7.50	24.67	43.50	-18.83
191.99	Peak	38.19	-9.59	28.60	43.50	-14.90
321.00	Peak	38.36	-5.70	32.66	46.00	-13.34
468.44	Peak	31.63	-2.42	29.21	46.00	-16.79

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9.6 接收機

A. 其他不必要之訊號 (一般規定之 3.6 節)

Report Number :ER-2020-B0134

Operation Mode :123KHz

Test Frequency :123 KHz

Test Mode :Rx

EUT Pol :H Plane

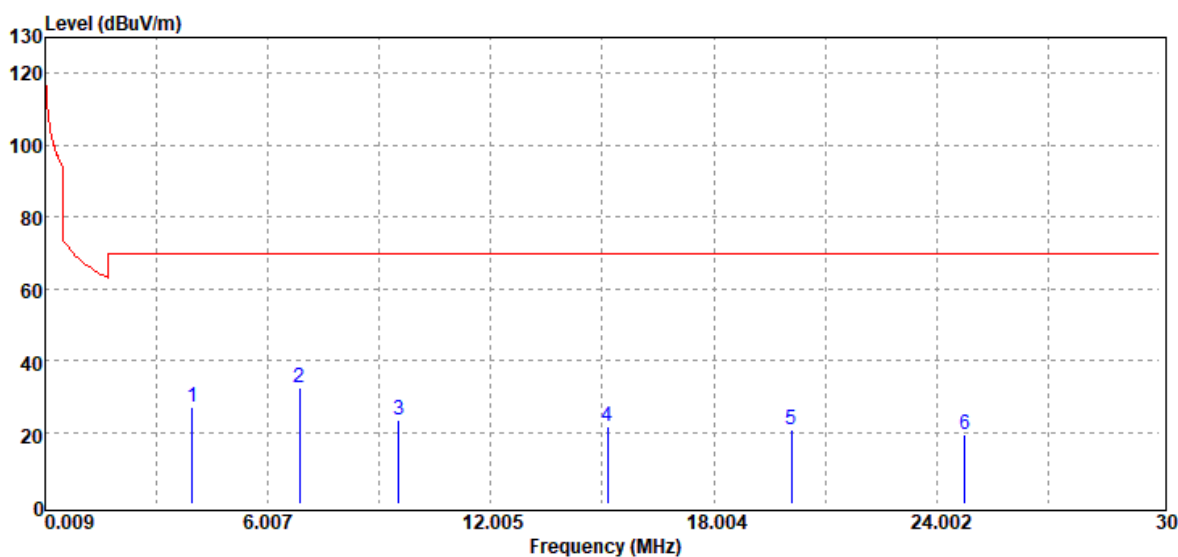
Test Site :SAC III Chamber

Test Date :2020-12-16

Temp./Humi. :22.2/59

Antenna Pol. :VERTICAL

Engineer :Nick



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
3.97	Peak	15.73	11.23	26.96	69.54	-42.58
6.85	Peak	20.97	11.57	32.54	69.54	-37.00
9.52	Peak	11.49	11.97	23.46	69.54	-46.08
15.15	Peak	10.27	11.34	21.61	69.54	-47.93
20.10	Peak	9.98	10.85	20.83	69.54	-48.71
24.75	Peak	9.54	9.73	19.27	69.54	-50.27

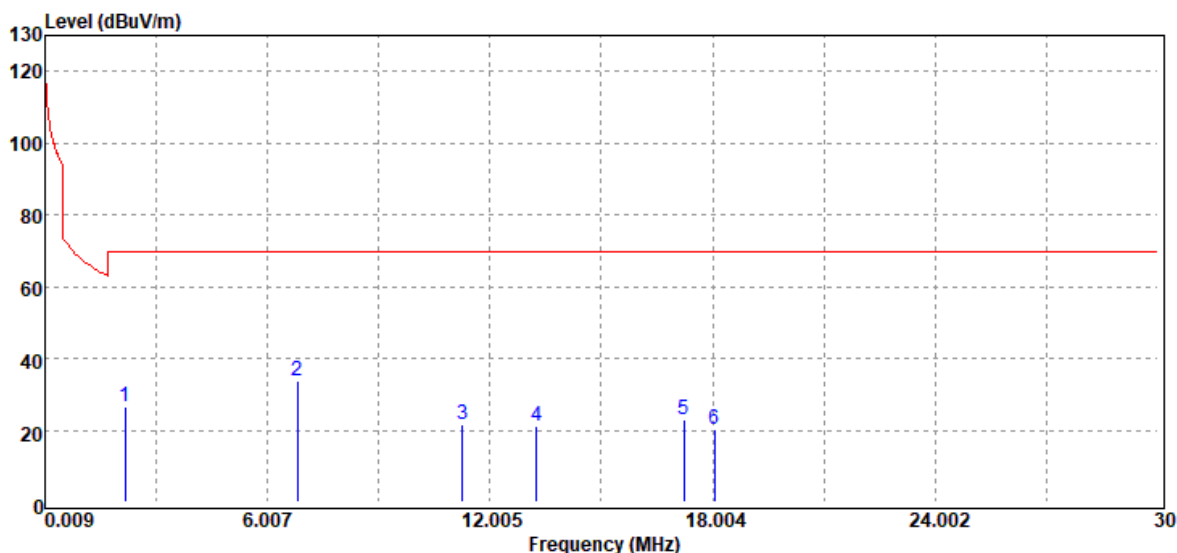
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Report Number :ER-2020-B0134
 Operation Mode :123KHz
 Test Frequency :123 KHz
 Test Mode :Rx
 EUT Pol :H Plane

Test Site :SAC III Chamber
 Test Date :2020-12-16
 Temp./Humi. :22.2/59
 Antenna Pol. :HORIZONTAL
 Engineer :Nick



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
2.17	Peak	15.05	11.28	26.33	69.54	-43.21
6.82	Peak	22.09	11.57	33.66	69.54	-35.88
11.26	Peak	9.88	11.84	21.72	69.54	-47.82
13.27	Peak	9.38	11.56	20.94	69.54	-48.60
17.22	Peak	11.92	11.13	23.05	69.54	-46.49
18.06	Peak	9.36	11.05	20.41	69.54	-49.13

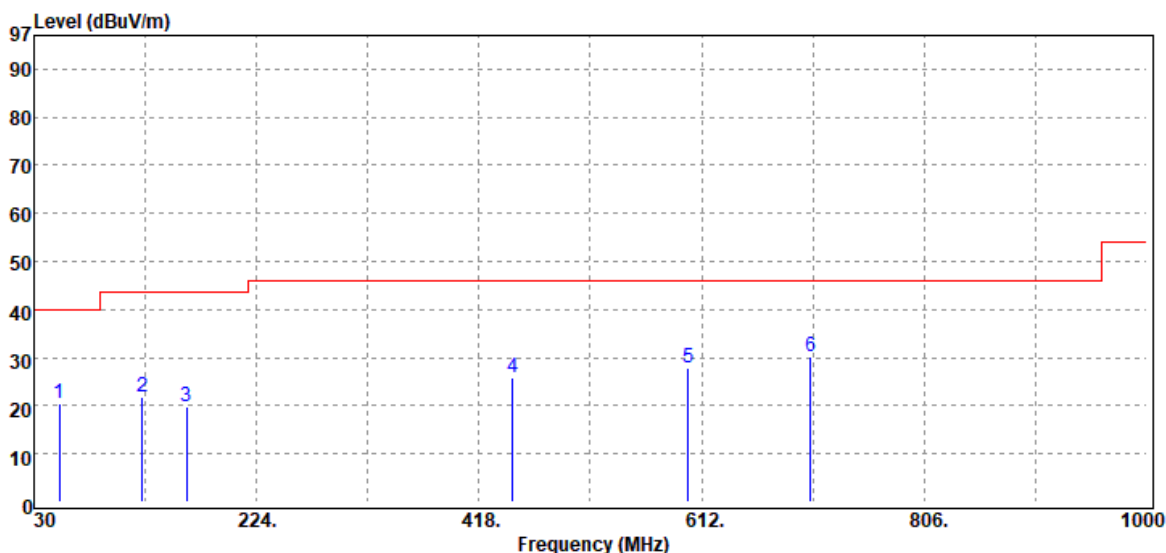
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Report Number :ER-2020-B0134
Operation Mode :123KHz
Test Frequency :123 KHz
Test Mode :Rx
EUT Pol :H Plane

Test Site :SAC III Chamber
Test Date :2020-12-16
Temp./Humi. :22.6/59
Antenna Pol. :VERTICAL
Engineer :Nick



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
52.31	Peak	28.74	-8.26	20.48	40.00	-19.52
124.09	Peak	30.96	-9.30	21.66	43.50	-21.84
162.89	Peak	27.19	-7.29	19.90	43.50	-23.60
447.10	Peak	28.55	-2.56	25.99	46.00	-20.01
600.36	Peak	27.88	-0.16	27.72	46.00	-18.28
707.06	Peak	28.40	1.73	30.13	46.00	-15.87

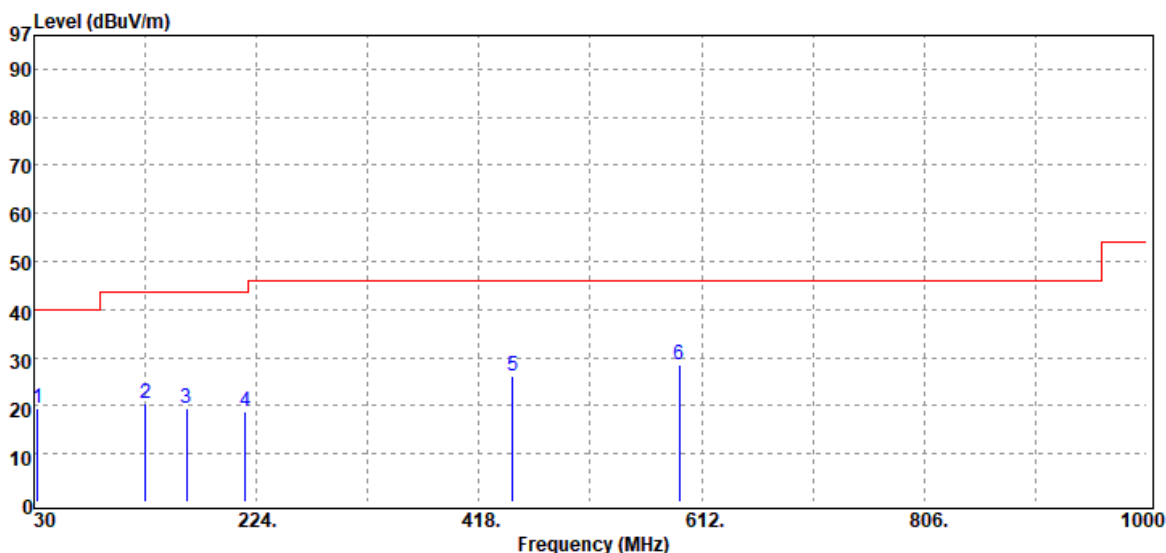
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Report Number :ER-2020-B0134
 Operation Mode :123KHz
 Test Frequency :123 KHz
 Test Mode :Rx
 EUT Pol :H Plane

Test Site :SAC III Chamber
 Test Date :2020-12-16
 Temp./Humi. :22.6/59
 Antenna Pol. :HORIZONTAL
 Engineer :Nick



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
32.91	Peak	28.11	-8.71	19.40	40.00	-20.60
127.00	Peak	29.19	-8.87	20.32	43.50	-23.18
162.89	Peak	26.69	-7.29	19.40	43.50	-24.10
214.30	Peak	28.04	-9.34	18.70	43.50	-24.80
447.10	Peak	28.70	-2.56	26.14	46.00	-19.86
592.60	Peak	28.42	-0.02	28.40	46.00	-17.60

~ End of Report ~

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