# 行動通信電信終端設備檢驗報告

產品名稱 ：**Data Terminal Module**

廠　　牌 ：**Telit**

型　　號 ：**ME310G1-WW**

申請廠商 ：**TELIT COMMUNICATIONS S.P.A.**
**VIA STAZIONE DI PROSECCO 5B - SGONICO -TRIESTE - ITALY**

製造廠商 ：**TELIT COMMUNICATIONS S.P.A.**
**VIA STAZIONE DI PROSECCO 5B - SGONICO -TRIESTE - ITALY**

技術規範 ：國家通訊傳播委員會行動通信電信終端設備技術規範

- 測試產品接收日期為民國 **109** 年 **12** 月 **15** 日
- 於民國 **110** 年 **1** 月 **27** 日開始測試，民國 **110** 年 **2** 月 **5** 日結束測試。
- 此份試驗報告，僅針對保留於本實驗室的試驗樣品有效。
- 未獲本公司書面允許，證書或報告不得節錄複製。

耕興股份有限公司電磁相容及無線通信實驗室

吳忠泰

報告簽署人: 吳忠泰

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# 報 告 履 歷

| 報告編號 | 報告版本 | 說明 | 報告發行日期 |
|---|---|---|---|
| TG0D1535 | 01 | 初版 | 2021 年 2 月 8 日 |
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# 測試結果總表

| 報告章節 | 法規章節 | 檢驗項目 | 結果判定 | 備註 |
|---|---|---|---|---|
| 2 | 6.5.1 | 工作頻帶 | 符合 | Tx : 890.2 ~ 914.8 MHz<br>Rx : 935.2 ~ 959.8 MHz |
| 2 | 6.5.3 | 收發頻率間隔 | 符合 | GSM900: 45 MHz |
| 2 | 6.5.4 | 頻道間隔 | 符合 | 200 kHz |
| 附錄 A | 6.5.2. | 最大發射輸出功率 | 符合 | 33.10 dBm |
| 附錄 A | 6.5.6 | 頻率穩定度 | 符合 | 39 Hz |
| 附錄 A | 6.5.2.2.1.3 | 擷取叢訊功率 | 符合 | - |
| 附錄 A | 5.2 | 電壓條件 | 符合 | - |
| 附錄 A | 6.6.2 | 電波功率密度 | 符合 | - |
| 附錄 B | 6.5.7 | 調變頻譜 | 符合 | - |
| 附錄 C | 6.5.5.1<br>6.5.5.2<br>6.5.5.3 | 混附發射 | 符合 | - |

| **符合性聲明:** |
|---|
| 上述報告所列測試結果判定，不納入不確定度評估，且依法規所列限制值或製造商宣告作為判定準則。 |
| **意見與解釋:** |
| 報告中 EUT 呈現的技術規格由製造商提供，製造商承擔所有規格準確性的責任。 |

報告審查: 張益瑋
報告製作: 鄒雨儒

# 1. 一般資料

## 1.1 測試方法及依據

國家通訊傳播委員會【PLMN ALL】行動通信電信終端設備技術規範109年09月25日修訂版

## 1.2 待測物特性與規格

GSM/LTE and GPS/Glonass/BDS/Galileo/QZSS.

| Product Specification subjective to this standard | |
|---|---|
| **IMEI Code** | 359205109979593 |
| **Tx Frequency** | GSM900 : 890 MHz ~ 915 MHz |
| **Rx Frequency** | GSM900 : 935 MHz ~ 960 MHz |
| **Type of Modulation** | GMSK |

**Remark:** The above EUT's information was declared by manufacturer.

| Antenna Information | | | | |
|---|---|---|---|---|
| **Antenna** | **Brand Name** | ATEL-CAB | **Peak Gain** | GSM900: 2.14 dBi |
| | **Model Name** | 1RR0100113TLB | **Type** | Dipole Antenna |

**Remark:**

1. The above EUT's information was declared by manufacturer. Please refer to Comments and Explanations in report summary.
2. The detail internal, external and transmit antenna photo please refer to Sporton report no.: EP0D1535.

## 1.3 測試環境

| | |
|---|---|
| **實驗室名稱** | 耕興股份有限公司電磁相容及無線通信實驗室 |
| **實驗室資訊** | 桃園市龜山區華亞一路 52 號<br>TEL: +886-3-3273456 / FAX: +886-3-3284978 |

| **Test Item: Conducted** | |
|---|---|
| **Test Engineer** | 季怡然 |
| **Ambient Temperature** | 22~23°C |
| **Relative Humidity** | 56~57% |
| **Extreme Temperature** | -40°C and 85°C |
| **Normal Voltage** | DC3.8V |
| **Extreme Voltage** | DC 3.2V and DC 4.2V |

## 1.4 測試模式

**GSM900:**

此測試共有3個測試模式:

模式一 ： 頻道1 (低頻道)

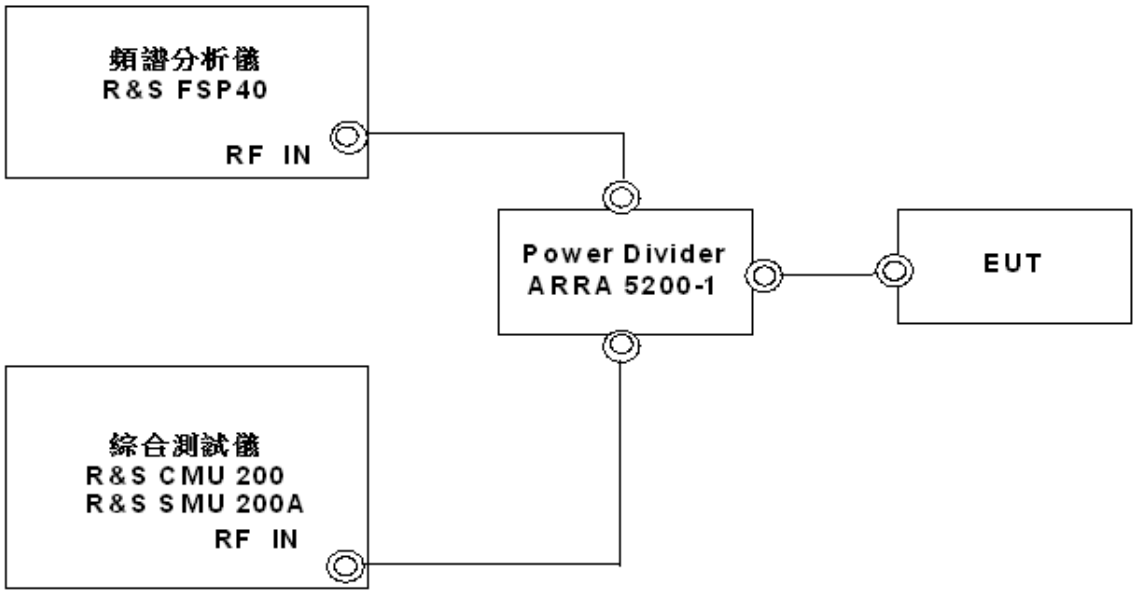
模式二 ： 頻道62 (中間頻道)

模式三 ： 頻道124 (高頻道)

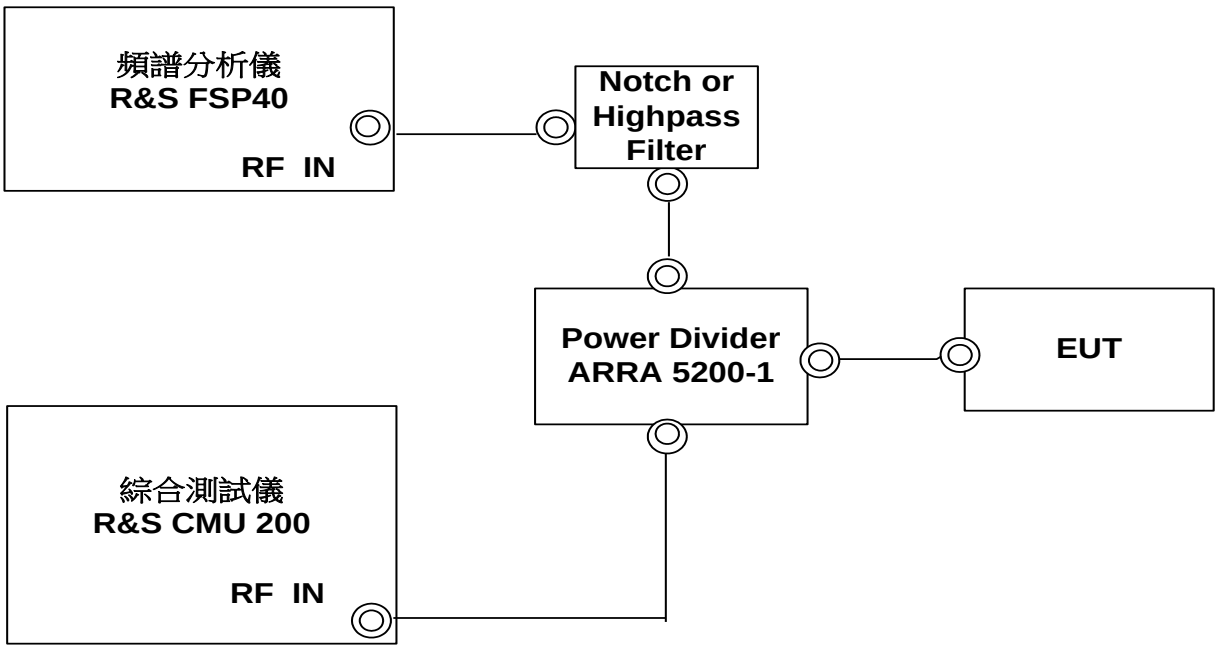
## 2. 一般特性檢驗

| GSM900 | | |
|---|---|---|
| 項次 | 檢驗項目 | 合格標準 |
| 1 | 工作頻帶<br>（n = 1 ~ 124） | Tx : 890 + n * 0.2 MHz |
| | | Rx : 935 + n * 0.2 MHz |
| 2 | 收發頻率間隔 | 45 MHz |
| 3 | 頻道間隔 | 200 kHz |
| 4 | 最大發射輸出功率 | 8W: 39dBm(Class 2)<br>5W: 37dBm(Class 3)<br>2W: 33dBm(Class 4)<br>0.8W: 29dBm(Class 5) |
| 5 | 頻率穩定度 | 頻率誤差(Hz)：≦90 Hz |
| 6 | 擷取叢訊功率 | - |
| 7 | 調變頻譜 | 偏移載波頻率在100~1800kHz內調變頻譜(dB)、<br>功率轉換瞬態(dBm)<br>限制值參照5.5及5.6 |
| 8 | 混附發射(dBm) | 連線狀態時限制值參照5.3 |
| | | 空閒狀態時限制值參照5.4 |
| 9 | 電波功率密度 | 限制值參照5.7 |
| 10 | 電壓條件 | 參照5.8 |

## 3. 檢驗接續圖




一般特性接續圖(一)




混附波輻射接續圖(Conducted)

## 4. 檢驗使用儀器

| Instrument | Brand Name | Model No. | Serial No. | Characteristics | Calibration Date | Test Date | Due Date | Remark |
|---|---|---|---|---|---|---|---|---|
| Spectrum Analyzer | Rohde & Schwarz | FSP30 | 101329 | 9kHz~30GHz | Sep. 03, 2020 | Jan. 27, 2021~ Feb. 05, 2021 | Sep. 02, 2021 | Conducted (TH03-HY) |
| Temperature Chamber | ESPEC | SH-641 | 92013720 | -40℃ ~90℃ | Sep. 14, 2020 | Jan. 27, 2021~ Feb. 05, 2021 | Sep. 13, 2021 | Conducted (TH03-HY) |
| Base Station (Measure) | Rohde & Schwarz | CMU200 | 117995 | GSM / GPRS / WCDMA / CDMA | Sep. 07, 2020 | Jan. 27, 2021~ Feb. 05, 2021 | Sep. 06, 2021 | Conducted (TH03-HY) |
| Programmable Power Supply | GW Instek | PSS-2005 | EL890001 | 1V~20V 0.5A~4A | Oct. 05, 2020 | Jan. 27, 2021~ Feb. 05, 2021 | Oct. 04, 2021 | Conducted (TH03-HY) |

# 5. 量測設定及限制值

## 5.1 混附波輻射發射頻帶內設定值

| 頻帶 | 偏離載波頻率 | 測量頻寬 |
|---|---|---|
| 900MHz相關發射頻帶：890-915MHz | ≧1.8MHz | 30 kHz |

## 5.2 混附波輻射發射頻帶外設定值

| 頻帶 | 偏離相關發射頻帶邊緣 | 測量頻寬 |
|---|---|---|
| 100kHz—50MHz | — | 10 kHz |
| 50MHz—500MHz | — | 100 kHz |
| 500MHz以上，但在表一之一相關發射頻帶外 | ≧ 2 MHz<br>≧ 5 MHz<br>≧ 10 MHz<br>≧ 20 MHz<br>≧ 30 MHz | 30 kHz<br>100 kHz<br>300 kHz<br>1 MHz<br>3 MHz |

## 5.3 混附波輻射連線狀態限制值

| 頻率範圍 | 功率位準（dBm） |
|---|---|
| | GSM 900 |
| 100ĸHz 至 1GHz | -36 |
| 1GHz 至 12.75GHz | -30 |

## 5.4 混附波輻射空閒狀態限制值

| 頻率範圍 | 功率位準（dBm） |
|---|---|
| 9kHz 至 880MHz | -57 |
| 880MHz 至 915MHz | -59 |
| 915MHz 至 1GHz | -57 |
| 1GHz 至 1710MHz | -47 |
| 1710MHz 至 1785MHz | -53 |
| 1785MHz 至 12.75GHz | -47 |

## 5.5 調變頻譜（Spectrum due to the modulation）設定及限制值

| 功率(dBm) | | 在偏移載波下列頻率(kHz)時其相對於載波功率之最大允許值(dB) | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 30kHz（測量頻寬） | | | | | | 100kHz（測量頻寬） | | |
| | | 100 | 200 | 250 | 400 | 600～<1200 | 1200～<1800 | 1800～<3000 | 3000～<6000 | ≧6000 |
| GSM900 | ≧39 | ＋0.5 | -30 | -33 | -60 | -66 | -66 | -69 | -71 | -77 |
| | 37 | ＋0.5 | -30 | -33 | -60 | -64 | -64 | -67 | -69 | -75 |
| | 35 | ＋0.5 | -30 | -33 | -60 | -62 | -62 | -65 | -67 | -73 |
| | ≦33 | ＋0.5 | -30 | -33 | -60 | -60 | -60 | -63 | -65 | -71 |

## 5.6 功率轉換瞬態所產生之頻譜（Spectrum due to switching transients）限制值

**GSM 900**

| 功率位準 | 載波頻率不同偏移之最大位準 | | | |
|---|---|---|---|---|
| | 400kHz | 600kHz | 1200kHz | 1800kHz |
| 39dBm | -13dBm | -21dBm | -21dBm | -24dBm |
| 37dBm | -15dBm | -21dBm | -21dBm | -24dBm |
| 35dBm | -17dBm | -21dBm | -21dBm | -24dBm |
| 33dBm | -19dBm | -21dBm | -21dBm | -24dBm |
| 31dBm | -21dBm | -23dBm | -23dBm | -26dBm |
| 29dBm | -23dBm | -25dBm | -25dBm | -28dBm |
| 27dBm | -23dBm | -26dBm | -27dBm | -30dBm |
| 25dBm | -23dBm | -26dBm | -29dBm | -32dBm |
| 23dBm | -23dBm | -26dBm | -31dBm | -34dBm |
| ≦21dBm | -23dBm | -26dBm | -32dBm | -36dBm |

## 5.7 電波功率密度

### 5.7.1. Limit

本項測試適用於移動式終端設備

| 頻段 | 電波功率密度最大值 |
|---|---|
| 700 MHz | 0.35 mW/cm$^2$ |
| 900 MHz | 0.45 mW/cm$^2$ |
| 1800 MHz | 0.90 mW/cm$^2$ |
| 2100 MHz | 1.00 mW/cm$^2$ |
| 2500 MHz ~ 2600 MHz | 1.00 mW/cm$^2$ |
| 3500 MHz | 1.00 mW/cm$^2$ |

### 5.7.2. Test Procedure

The following formula was used to calculate the Power Density:

$$S = \frac{PG}{4\pi R^2}$$

Where:
S = Power Density
P = Output Power at Antenna Terminals
G = Gain of Transmit Antenna (linear gain)
R = Distance from Transmitting Antenna

### 5.7.3. Test Result of Power Density

Please refer to 附錄 A.

## 5.8 電壓條件

### 5.8.1. Limit

終端設備之電源電壓應於低極端電壓與高極端電壓之間。終端設備審驗申請者應宣告其標稱電壓(nominal)、低極端電壓、高極端電壓與關機電壓。若終端設備可操作在一種或多種電源，其低極端電壓不得高於下表限制值，高極端電壓不得低於下表限制值。

| 電源 | 低極端電壓 | 高極端電壓 | 常態電壓 |
|---|---|---|---|
| 交流電源 | 0.9 × nominal | 1.1 × nominal | nominal |
| 調節式鉛酸電池 | 0.9 × nominal | 1.3 × nominal | 1.1 × nominal |
| 非調節式電池：<br>勒克朗社電池 /<br>鋰電池 /<br>水銀電池/鎳鎘電池 | <br>0.85 × nominal<br>0.95 × nominal<br>0.90 × nominal | <br>nominal<br>1.1 × nominal<br>1.1 × nominal | <br>nominal<br>1.1 × nominal<br>nominal |

電源電壓低於上表之低極端電壓或高於上表之高極端電壓，終端設備若可通電開機時，不得無效使用第3點規定之頻段。

檢測終端設備之電源電壓低於關機電壓時，終端設備不得發射。

### 5.8.2. Test Procedure

終端設備與 WWAN 基地台做連線，以客戶宣告最低電壓 3.2Vdc 往下調整至客戶宣告之關機電壓，查看終端設備與 WWAN 基地台是否中斷連線。

### 5.8.3. Test Result of Voltage Conditions

關機電壓數值 Please refer to 附錄 A.

測試結果：符合

# *附錄 A. 測試結果 - 功率限制/電波功率密度/頻率穩定度*

| | | | |
|---|---|---|---|
| 測試環境 | 溫度 | °C | 22-23 |
| | 濕度 | % | 56-57 |
| 測試工程師 | | ----- | Oscar Chi |
| 天線之方向增益 | | dBi | 0.00 |
| 標準供應電壓 | | VDC | 3.80 |
| 關機電壓 | | VDC | 2.20 |

## ***A.1 GSM900***

| **傳導發射功率** | 單位 | 低頻道 | 中頻道 | 高頻道 | 限制 | 結果 |
|---|---|---|---|---|---|---|
| 功率控制位準 = 5 | dBm | 33.10 | 33.06 | 32.98 | 33 +2/-2 | 符合 |
| **電波功率密度** | $mW/cm^2$ | 0.05114 | 0.05067 | 0.04974 | 0.45 | 符合 |

註1： Power Class 4

註2： 移動式終端設備

| 供電方式 | 直流電源 |
|---|---|

| **頻率穩定度** | | 單位 | 第0分鐘 | 第2分鐘 | 第5分鐘 | 第10分鐘 | 限制 | 結果 |
|---|---|---|---|---|---|---|---|---|
| 常溫常壓 | 20 ℃ + 3.8 V | Hz | 27 | 30 | 32 | 34 | ≦ 90.0 | 符合 |
| 高溫高壓 | 55 ℃ + 4.2 V | Hz | 29 | 31 | 33 | 36 | ≦ 90.0 | 符合 |
| 高溫低壓 | 55 ℃ + 3.2 V | Hz | 29 | 33 | 35 | 36 | ≦ 90.0 | 符合 |
| 低溫高壓 | -10 ℃ + 4.2 V | Hz | 35 | 37 | 38 | 39 | ≦ 90.0 | 符合 |
| 低溫低壓 | -10 ℃ + 3.2 V | Hz | 25 | 30 | 36 | 37 | ≦ 90.0 | 符合 |

# Measurement Report

ROHDE&SCHWARZ

**Operator:** *noname* *2021年1月27日 上午 10:16:10*

**CMU Ident:** *Rohde&Schwarz,CMU 200-1100.0008.02,117995,V5.22*

**Options:** *0,B17,B21Var14,B52Var14,B54Var14,B56Var54,B66,COPROC_FULL,B83,B85,B89,B96,PCMCIA,WDDC400,K16*
*K17,K20,K21,K22,K23,K24,K27,K28,K29,K42,K43,K56,K57,K58,K59,K60,K61,K62,K63,K64,K65,K66,K67*
*K68,K69,K83,K84,K85,K86,K88,K839,K849,K859,K869,FMR6,Intel Celeron Mobil,256 MB*
*rxtx1*

**Sequence:** - - -

| Test Name and Condition | Lower Limit | Upper Limit | Measured Value | P/F |
|---|---|---|---|---|
| *Network: GSM 900, BCCH Channel/Level: 32/-85.0 dBm, TCH Channel: 1, Ref. Level: -85.0,Support GPRS* | | | | |
| *Main Timeslot: 3, Attenuation (In/Out): 5.1/5.1 dB, Bitstream: PR9, Aux TX: BCCH* | | | | |
| *Multi Slot Mode: BCCH AND TCH, Testmode: A, Coding Scheme: CS1, Acknowledge: On, RLC Mode: Not ack* | | | | |
| *Automatic Slot Configuration: Off* | | | | |
| *Downlink (Slot 0..7: Enable, dB): OFF,OFF,OFF,ON,OFF,OFF,OFF,OFF, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0* | | | | |
| *Uplink (Slot 0..7: Enable, Gamma): OFF,OFF,OFF,ON,OFF,OFF,OFF,OFF, 3, 3, 3, 3, 3, 3, 3, 3* | | | | |
| *Extended Dynamic Allocation: Auto, PC Meas Channel: BCCH* | | | | |
| *IMSI: 1. 1."0123456789", Serialno: 35920510-997959-3, Revision: PH2P, Power Class: 4, Multi Slot Class: CL33* | | | | |
| **GPRS Call to Mobile:** | | | passed | ✓ |
| *Downlink (Slot 0..7: Enable, dB): OFF,OFF,OFF,ON,OFF,OFF,OFF,OFF, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0* | | | | |
| *Uplink (Slot 0..7: Enable, Gamma): OFF,OFF,OFF,ON,OFF,OFF,OFF,OFF, 3, 3, 3, 3, 3, 3, 3, 3* | | | | |
| *Main Timeslot: 3, GSM 900,Traffic channel: 1, Coding Scheme: CS1* | | | | |
| *Number of Slots: 1, Guard Level (dB): 3.0* | | | | |
| **Average Power:** *Slot 3 , 20 Bursts* | **31.00 dBm** | **35.00 dBm** | **33.10 dBm** | ✓ |
| **Peak Burst Power:** *Slot 3 , 20 Bursts* | **31.00 dBm** | **35.00 dBm** | **33.29 dBm** | ✓ |
| **Power Time Template:** *Slot 3 , 20 Bursts* | | | passed | ✓ |
| **Timing Error:** *Slot 3 , 20 Bursts* | **-2.00 Bit** | **2.00 Bit** | **0.00 Bit** | ✓ |
| *Downlink (Slot 0..7: Enable, dB): OFF,OFF,OFF,ON,OFF,OFF,OFF,OFF, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0* | | | | |
| *Uplink (Slot 0..7: Enable, Gamma): OFF,OFF,OFF,ON,OFF,OFF,OFF,OFF, 4, 4, 4, 4, 4, 4, 4, 4* | | | | |
| *Main Timeslot: 3, GSM 900,Traffic channel: 1, Coding Scheme: CS1* | | | | |
| *Number of Slots: 1, Guard Level (dB): 3.0* | | | | |
| **Average Power:** *Slot 3 , 20 Bursts* | **28.00 dBm** | **34.00 dBm** | **30.80 dBm** | ✓ |
| **Peak Burst Power:** *Slot 3 , 20 Bursts* | **28.00 dBm** | **34.00 dBm** | **31.01 dBm** | ✓ |
| **Power Time Template:** *Slot 3 , 20 Bursts* | | | passed | ✓ |
| **Timing Error:** *Slot 3 , 20 Bursts* | **-2.00 Bit** | **2.00 Bit** | **0.00 Bit** | ✓ |
| *Downlink (Slot 0..7: Enable, dB): OFF,OFF,OFF,ON,OFF,OFF,OFF,OFF, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0* | | | | |
| *Uplink (Slot 0..7: Enable, Gamma): OFF,OFF,OFF,ON,OFF,OFF,OFF,OFF, 5, 5, 5, 5, 5, 5, 5, 5* | | | | |
| *Main Timeslot: 3, GSM 900,Traffic channel: 1, Coding Scheme: CS1* | | | | |
| *Number of Slots: 1, Guard Level (dB): 3.0* | | | | |
| **Average Power:** *Slot 3 , 20 Bursts* | **26.00 dBm** | **32.00 dBm** | **28.56 dBm** | ✓ |
| **Peak Burst Power:** *Slot 3 , 20 Bursts* | **26.00 dBm** | **32.00 dBm** | **28.72 dBm** | ✓ |
| **Power Time Template:** *Slot 3 , 20 Bursts* | | | passed | ✓ |
| **Timing Error:** *Slot 3 , 20 Bursts* | **-2.00 Bit** | **2.00 Bit** | **0.00 Bit** | ✓ |
| *Downlink (Slot 0..7: Enable, dB): OFF,OFF,OFF,ON,OFF,OFF,OFF,OFF, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0* | | | | |
| *Uplink (Slot 0..7: Enable, Gamma): OFF,OFF,OFF,ON,OFF,OFF,OFF,OFF, 6, 6, 6, 6, 6, 6, 6, 6* | | | | |
| *Main Timeslot: 3, GSM 900,Traffic channel: 1, Coding Scheme: CS1* | | | | |
| *Number of Slots: 1, Guard Level (dB): 3.0* | | | | |

| Test Name and Condition | Lower Limit | Upper Limit | Measured Value | P/F |
|---|---|---|---|---|
| **Average Power:** *Slot 3 , 20 Bursts* | 24.00 dBm | 30.00 dBm | 26.77 dBm | ✓ |
| **Peak Burst Power:** *Slot 3 , 20 Bursts* | 24.00 dBm | 30.00 dBm | 26.93 dBm | ✓ |
| **Power Time Template:** *Slot 3 , 20 Bursts* | | | passed | ✓ |
| **Timing Error:** *Slot 3 , 20 Bursts* | -2.00 Bit | 2.00 Bit | 0.00 Bit | ✓ |
| *Downlink (Slot 0..7: Enable, dB): OFF,OFF,OFF,ON,OFF,OFF,OFF,OFF, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0* | | | | |
| *Uplink (Slot 0..7: Enable, Gamma): OFF,OFF,OFF,ON,OFF,OFF,OFF,OFF, 7, 7, 7, 7, 7, 7, 7, 7* | | | | |
| *Main Timeslot: 3, GSM 900,Traffic channel: 1, Coding Scheme: CS1* | | | | |
| *Number of Slots: 1, Guard Level (dB): 3.0* | | | | |
| **Average Power:** *Slot 3 , 20 Bursts* | 22.00 dBm | 28.00 dBm | 24.86 dBm | ✓ |
| **Peak Burst Power:** *Slot 3 , 20 Bursts* | 22.00 dBm | 28.00 dBm | 25.02 dBm | ✓ |
| **Power Time Template:** *Slot 3 , 20 Bursts* | | | passed | ✓ |
| **Timing Error:** *Slot 3 , 20 Bursts* | -2.00 Bit | 2.00 Bit | 0.00 Bit | ✓ |
| *Downlink (Slot 0..7: Enable, dB): OFF,OFF,OFF,ON,OFF,OFF,OFF,OFF, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0* | | | | |
| *Uplink (Slot 0..7: Enable, Gamma): OFF,OFF,OFF,ON,OFF,OFF,OFF,OFF, 8, 8, 8, 8, 8, 8, 8, 8* | | | | |
| *Main Timeslot: 3, GSM 900,Traffic channel: 1, Coding Scheme: CS1* | | | | |
| *Number of Slots: 1, Guard Level (dB): 3.0* | | | | |
| **Average Power:** *Slot 3 , 20 Bursts* | 20.00 dBm | 26.00 dBm | 23.12 dBm | ✓ |
| **Peak Burst Power:** *Slot 3 , 20 Bursts* | 20.00 dBm | 26.00 dBm | 23.27 dBm | ✓ |
| **Power Time Template:** *Slot 3 , 20 Bursts* | | | passed | ✓ |
| **Timing Error:** *Slot 3 , 20 Bursts* | -2.00 Bit | 2.00 Bit | 0.00 Bit | ✓ |
| *Downlink (Slot 0..7: Enable, dB): OFF,OFF,OFF,ON,OFF,OFF,OFF,OFF, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0* | | | | |
| *Uplink (Slot 0..7: Enable, Gamma): OFF,OFF,OFF,ON,OFF,OFF,OFF,OFF, 9, 9, 9, 9, 9, 9, 9, 9* | | | | |
| *Main Timeslot: 3, GSM 900,Traffic channel: 1, Coding Scheme: CS1* | | | | |
| *Number of Slots: 1, Guard Level (dB): 3.0* | | | | |
| **Average Power:** *Slot 3 , 20 Bursts* | 18.00 dBm | 24.00 dBm | 20.52 dBm | ✓ |
| **Peak Burst Power:** *Slot 3 , 20 Bursts* | 18.00 dBm | 24.00 dBm | 20.66 dBm | ✓ |
| **Power Time Template:** *Slot 3 , 20 Bursts* | | | passed | ✓ |
| **Timing Error:** *Slot 3 , 20 Bursts* | -2.00 Bit | 2.00 Bit | 0.00 Bit | ✓ |
| *Downlink (Slot 0..7: Enable, dB): OFF,OFF,OFF,ON,OFF,OFF,OFF,OFF, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0* | | | | |
| *Uplink (Slot 0..7: Enable, Gamma): OFF,OFF,OFF,ON,OFF,OFF,OFF,OFF, 10, 10, 10, 10, 10, 10, 10, 10* | | | | |
| *Main Timeslot: 3, GSM 900,Traffic channel: 1, Coding Scheme: CS1* | | | | |
| *Number of Slots: 1, Guard Level (dB): 3.0* | | | | |
| **Average Power:** *Slot 3 , 20 Bursts* | 16.00 dBm | 22.00 dBm | 18.78 dBm | ✓ |
| **Peak Burst Power:** *Slot 3 , 20 Bursts* | 16.00 dBm | 22.00 dBm | 18.91 dBm | ✓ |
| **Power Time Template:** *Slot 3 , 20 Bursts* | | | passed | ✓ |
| **Timing Error:** *Slot 3 , 20 Bursts* | -2.00 Bit | 2.00 Bit | 0.00 Bit | ✓ |
| *Downlink (Slot 0..7: Enable, dB): OFF,OFF,OFF,ON,OFF,OFF,OFF,OFF, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0* | | | | |
| *Uplink (Slot 0..7: Enable, Gamma): OFF,OFF,OFF,ON,OFF,OFF,OFF,OFF, 11, 11, 11, 11, 11, 11, 11, 11* | | | | |
| *Main Timeslot: 3, GSM 900,Traffic channel: 1, Coding Scheme: CS1* | | | | |
| *Number of Slots: 1, Guard Level (dB): 3.0* | | | | |
| **Average Power:** *Slot 3 , 20 Bursts* | 14.00 dBm | 20.00 dBm | 16.85 dBm | ✓ |
| **Peak Burst Power:** *Slot 3 , 20 Bursts* | 14.00 dBm | 20.00 dBm | 17.00 dBm | ✓ |
| **Power Time Template:** *Slot 3 , 20 Bursts* | | | passed | ✓ |
| **Timing Error:** *Slot 3 , 20 Bursts* | -2.00 Bit | 2.00 Bit | 0.00 Bit | ✓ |
| *Downlink (Slot 0..7: Enable, dB): OFF,OFF,OFF,ON,OFF,OFF,OFF,OFF, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0* | | | | |
| *Uplink (Slot 0..7: Enable, Gamma): OFF,OFF,OFF,ON,OFF,OFF,OFF,OFF, 12, 12, 12, 12, 12, 12, 12, 12* | | | | |
| *Main Timeslot: 3, GSM 900,Traffic channel: 1, Coding Scheme: CS1* | | | | |

| Test Name and Condition | Lower Limit | Upper Limit | Measured Value | P/F |
|---|---|---|---|---|
| *Number of Slots: 1, Guard Level (dB): 3.0* | | | | |
| **Average Power:** *Slot 3 , 20 Bursts* | 12.00 dBm | 18.00 dBm | 14.99 dBm | ✓ |
| **Peak Burst Power:** *Slot 3 , 20 Bursts* | 12.00 dBm | 18.00 dBm | 15.13 dBm | ✓ |
| **Power Time Template:** *Slot 3 , 20 Bursts* | | | passed | ✓ |
| **Timing Error:** *Slot 3 , 20 Bursts* | -2.00 Bit | 2.00 Bit | 0.00 Bit | ✓ |
| *Downlink (Slot 0..7: Enable, dB): OFF,OFF,OFF,ON,OFF,OFF,OFF,OFF, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0* | | | | |
| *Uplink (Slot 0..7: Enable, Gamma): OFF,OFF,OFF,ON,OFF,OFF,OFF,OFF, 13, 13, 13, 13, 13, 13, 13, 13* | | | | |
| *Main Timeslot: 3, GSM 900,Traffic channel: 1, Coding Scheme: CS1* | | | | |
| *Number of Slots: 1, Guard Level (dB): 3.0* | | | | |
| **Average Power:** *Slot 3 , 20 Bursts* | 10.00 dBm | 16.00 dBm | 12.74 dBm | ✓ |
| **Peak Burst Power:** *Slot 3 , 20 Bursts* | 10.00 dBm | 16.00 dBm | 12.88 dBm | ✓ |
| **Power Time Template:** *Slot 3 , 20 Bursts* | | | passed | ✓ |
| **Timing Error:** *Slot 3 , 20 Bursts* | -2.00 Bit | 2.00 Bit | 0.00 Bit | ✓ |
| *Downlink (Slot 0..7: Enable, dB): OFF,OFF,OFF,ON,OFF,OFF,OFF,OFF, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0* | | | | |
| *Uplink (Slot 0..7: Enable, Gamma): OFF,OFF,OFF,ON,OFF,OFF,OFF,OFF, 14, 14, 14, 14, 14, 14, 14, 14* | | | | |
| *Main Timeslot: 3, GSM 900,Traffic channel: 1, Coding Scheme: CS1* | | | | |
| *Number of Slots: 1, Guard Level (dB): 3.0* | | | | |
| **Average Power:** *Slot 3 , 20 Bursts* | 6.00 dBm | 16.00 dBm | 11.20 dBm | ✓ |
| **Peak Burst Power:** *Slot 3 , 20 Bursts* | 6.00 dBm | 16.00 dBm | 11.36 dBm | ✓ |
| **Power Time Template:** *Slot 3 , 20 Bursts* | | | passed | ✓ |
| **Timing Error:** *Slot 3 , 20 Bursts* | -2.00 Bit | 2.00 Bit | 0.00 Bit | ✓ |
| *Downlink (Slot 0..7: Enable, dB): OFF,OFF,OFF,ON,OFF,OFF,OFF,OFF, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0* | | | | |
| *Uplink (Slot 0..7: Enable, Gamma): OFF,OFF,OFF,ON,OFF,OFF,OFF,OFF, 15, 15, 15, 15, 15, 15, 15, 15* | | | | |
| *Main Timeslot: 3, GSM 900,Traffic channel: 1, Coding Scheme: CS1* | | | | |
| *Number of Slots: 1, Guard Level (dB): 3.0* | | | | |
| **Average Power:** *Slot 3 , 20 Bursts* | 4.00 dBm | 14.00 dBm | 9.25 dBm | ✓ |
| **Peak Burst Power:** *Slot 3 , 20 Bursts* | 4.00 dBm | 14.00 dBm | 9.41 dBm | ✓ |
| **Power Time Template:** *Slot 3 , 20 Bursts* | | | passed | ✓ |
| **Timing Error:** *Slot 3 , 20 Bursts* | -2.00 Bit | 2.00 Bit | 0.00 Bit | ✓ |
| *Downlink (Slot 0..7: Enable, dB): OFF,OFF,OFF,ON,OFF,OFF,OFF,OFF, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0* | | | | |
| *Uplink (Slot 0..7: Enable, Gamma): OFF,OFF,OFF,ON,OFF,OFF,OFF,OFF, 16, 16, 16, 16, 16, 16, 16, 16* | | | | |
| *Main Timeslot: 3, GSM 900,Traffic channel: 1, Coding Scheme: CS1* | | | | |
| *Number of Slots: 1, Guard Level (dB): 3.0* | | | | |
| **Average Power:** *Slot 3 , 20 Bursts* | 2.00 dBm | 12.00 dBm | 7.59 dBm | ✓ |
| **Peak Burst Power:** *Slot 3 , 20 Bursts* | 2.00 dBm | 12.00 dBm | 7.82 dBm | ✓ |
| **Power Time Template:** *Slot 3 , 20 Bursts* | | | passed | ✓ |
| **Timing Error:** *Slot 3 , 20 Bursts* | -2.00 Bit | 2.00 Bit | 0.00 Bit | ✓ |
| *Downlink (Slot 0..7: Enable, dB): OFF,OFF,OFF,ON,OFF,OFF,OFF,OFF, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0* | | | | |
| *Uplink (Slot 0..7: Enable, Gamma): OFF,OFF,OFF,ON,OFF,OFF,OFF,OFF, 17, 17, 17, 17, 17, 17, 17, 17* | | | | |
| *Main Timeslot: 3, GSM 900,Traffic channel: 1, Coding Scheme: CS1* | | | | |
| *Number of Slots: 1, Guard Level (dB): 3.0* | | | | |
| **Average Power:** *Slot 3 , 20 Bursts* | 0.00 dBm | 10.00 dBm | 5.85 dBm | ✓ |
| **Peak Burst Power:** *Slot 3 , 20 Bursts* | 0.00 dBm | 10.00 dBm | 6.08 dBm | ✓ |
| **Power Time Template:** *Slot 3 , 20 Bursts* | | | passed | ✓ |
| **Timing Error:** *Slot 3 , 20 Bursts* | -2.00 Bit | 2.00 Bit | 0.00 Bit | ✓ |
| **GPRS Call Release Test:** | | | passed | ✓ |

| Test Name and Condition | Lower Limit | Upper Limit | Measured Value | P/F |
|---|---|---|---|---|

**MS Serial Number: 35920510-997959-3**

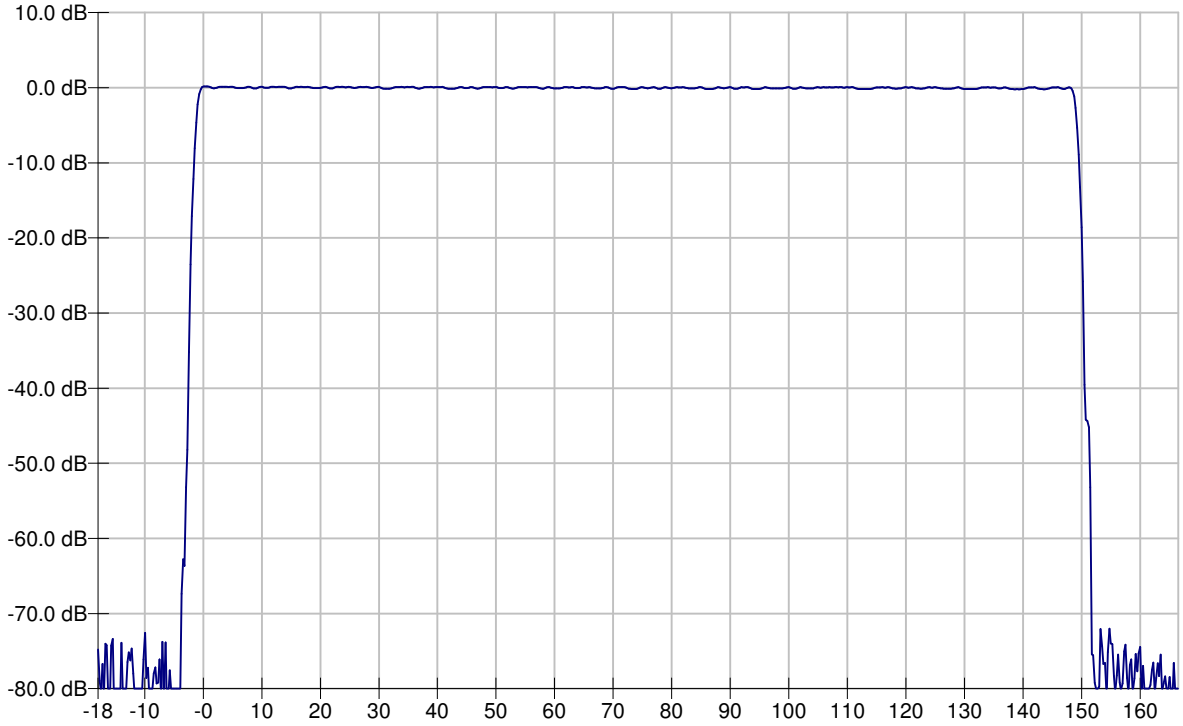
# Result:

*62 Tests passed / 0 failed / 135 with NAN*

*(Execution Time: 124.3 Seconds)*

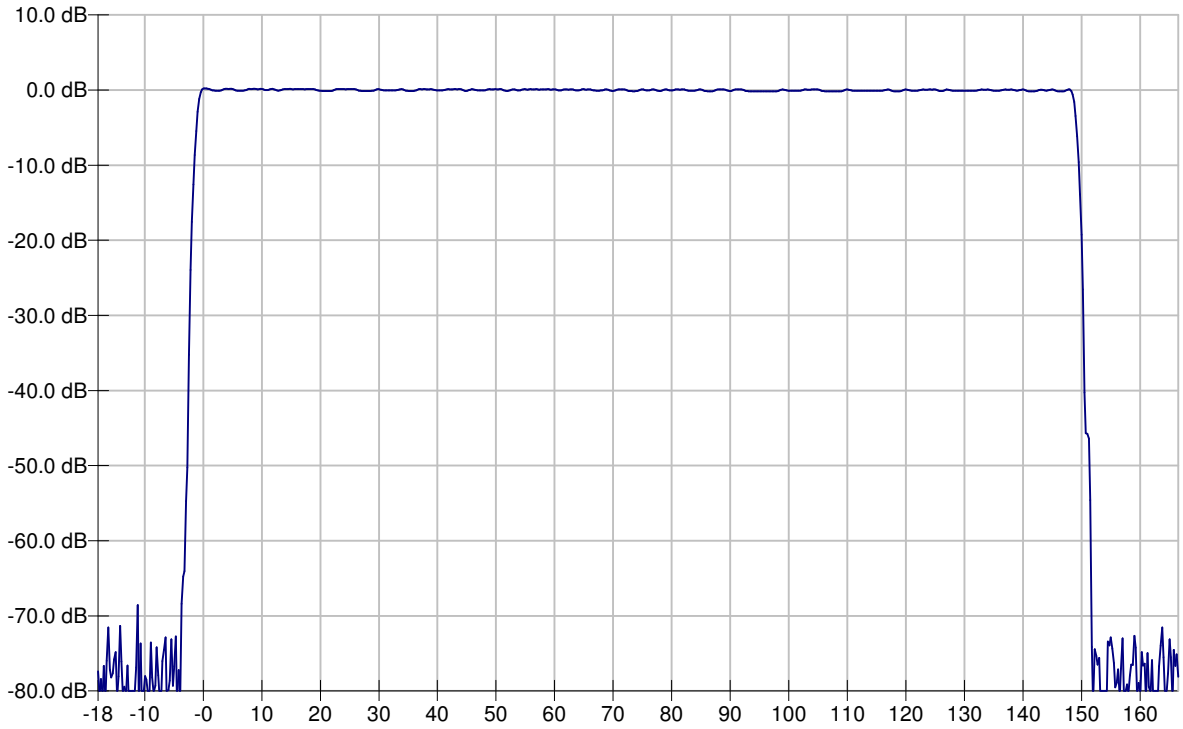
# Annex: **Power Graphic**

*Guard Level (dB): 3.0, Number of Slots: 1*



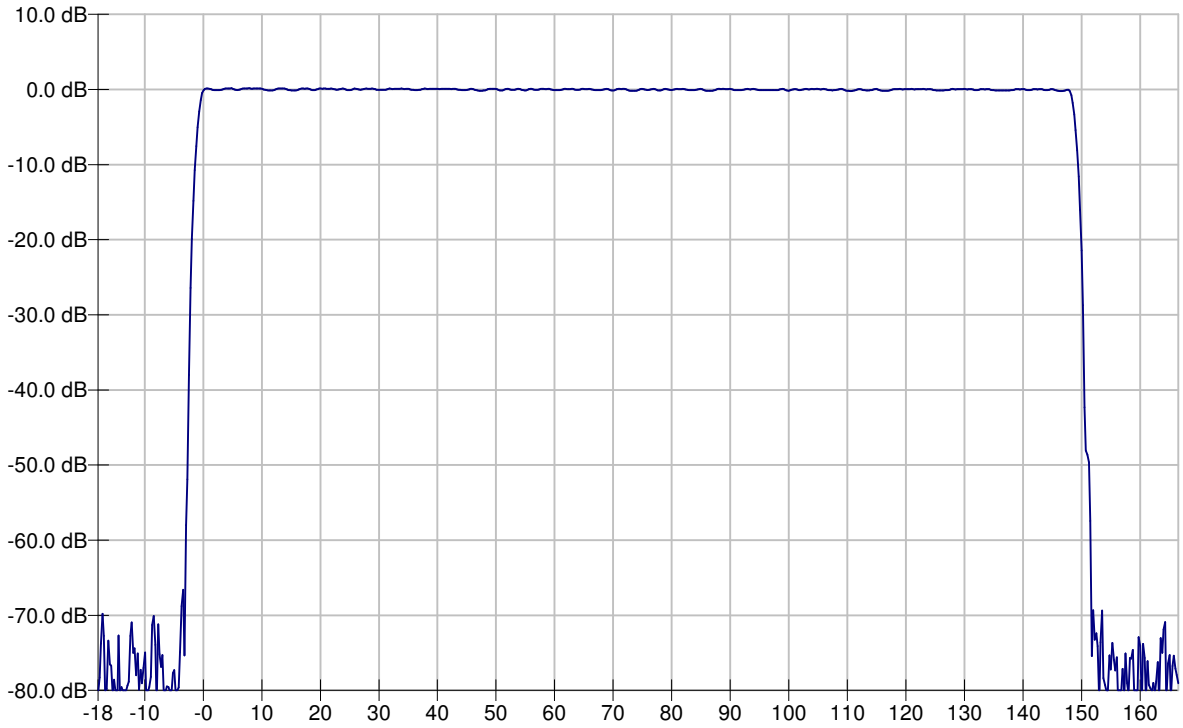

# Annex: **Power Graphic**

*Guard Level (dB): 3.0, Number of Slots: 1*



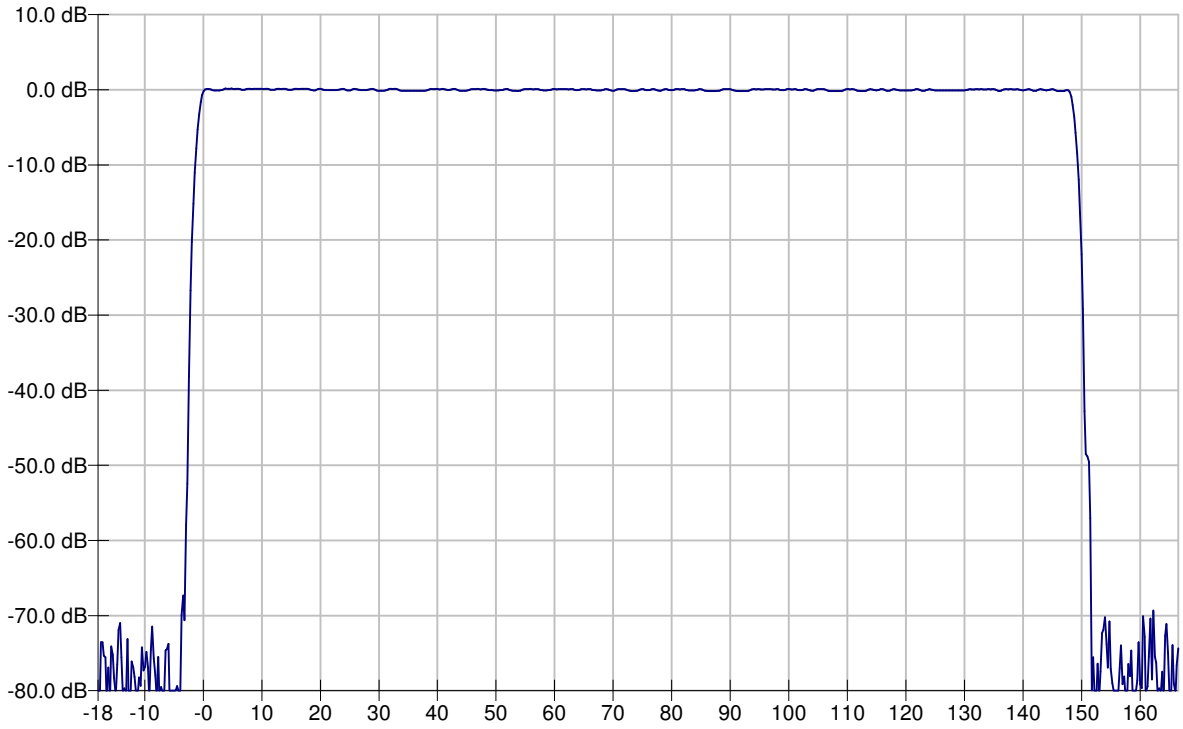
# Annex: Power Graphic

*Guard Level (dB): 3.0, Number of Slots: 1*



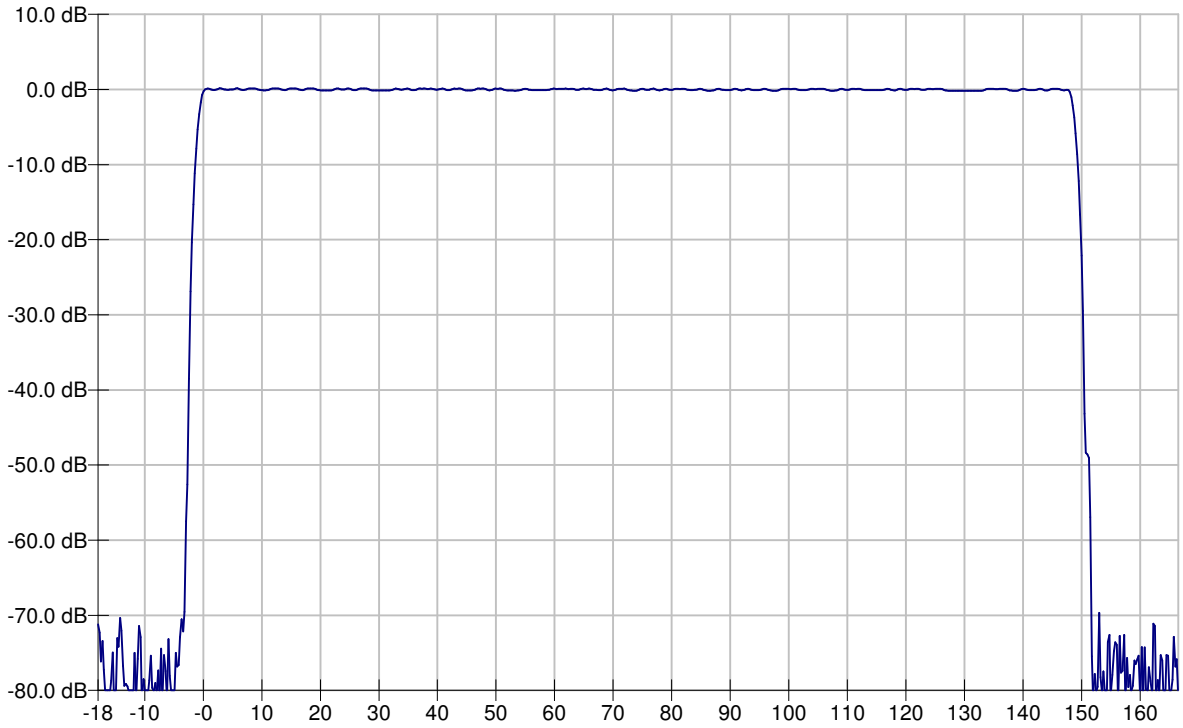

# Annex: Power Graphic

*Guard Level (dB): 3.0, Number of Slots: 1*



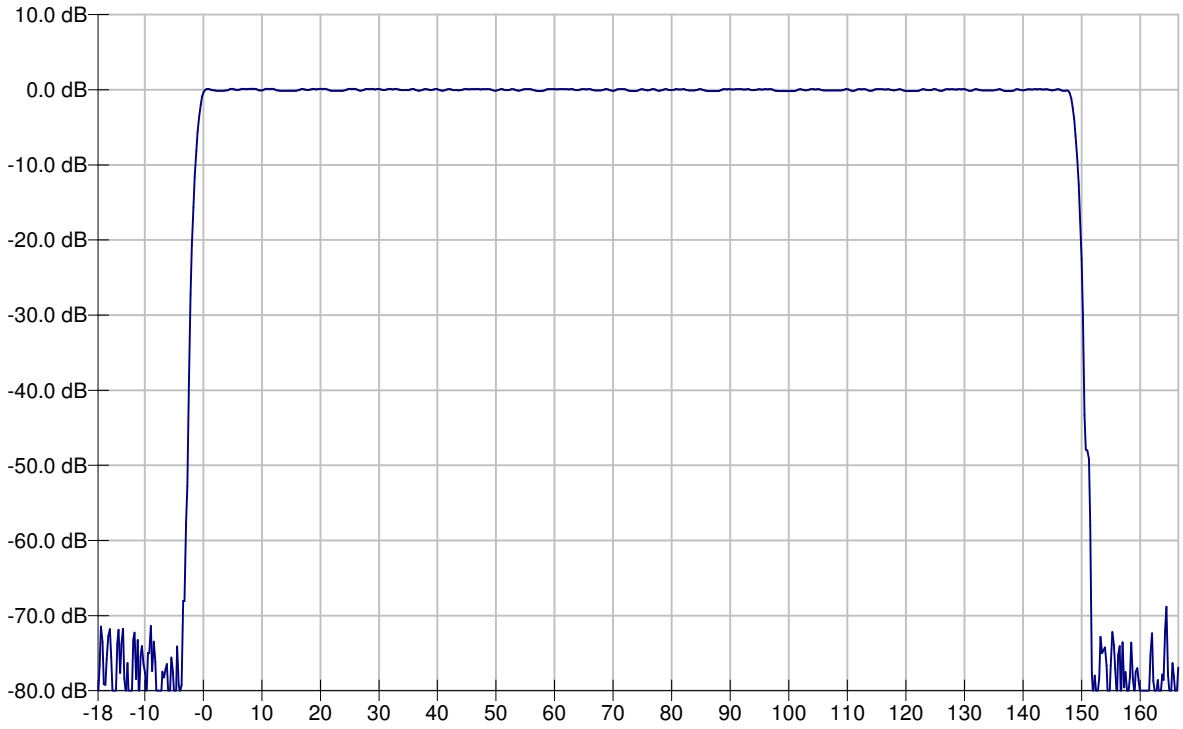
# Annex: Power Graphic

*Guard Level (dB): 3.0, Number of Slots: 1*



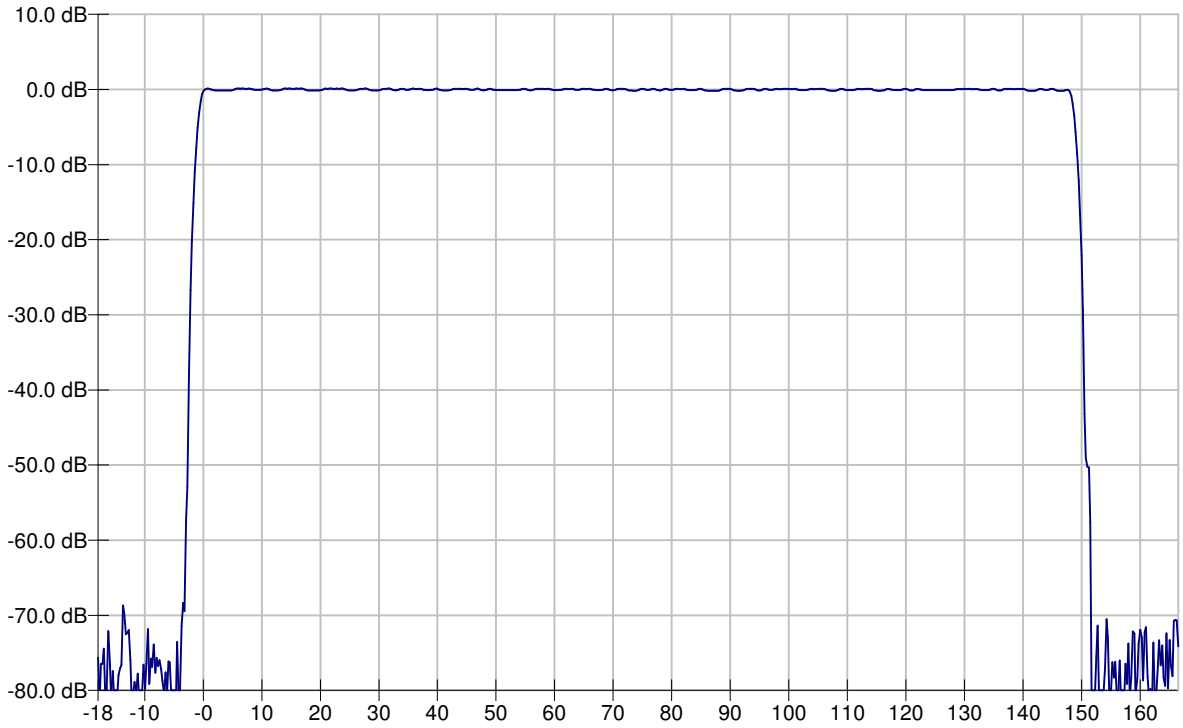

# Annex: Power Graphic

*Guard Level (dB): 3.0, Number of Slots: 1*



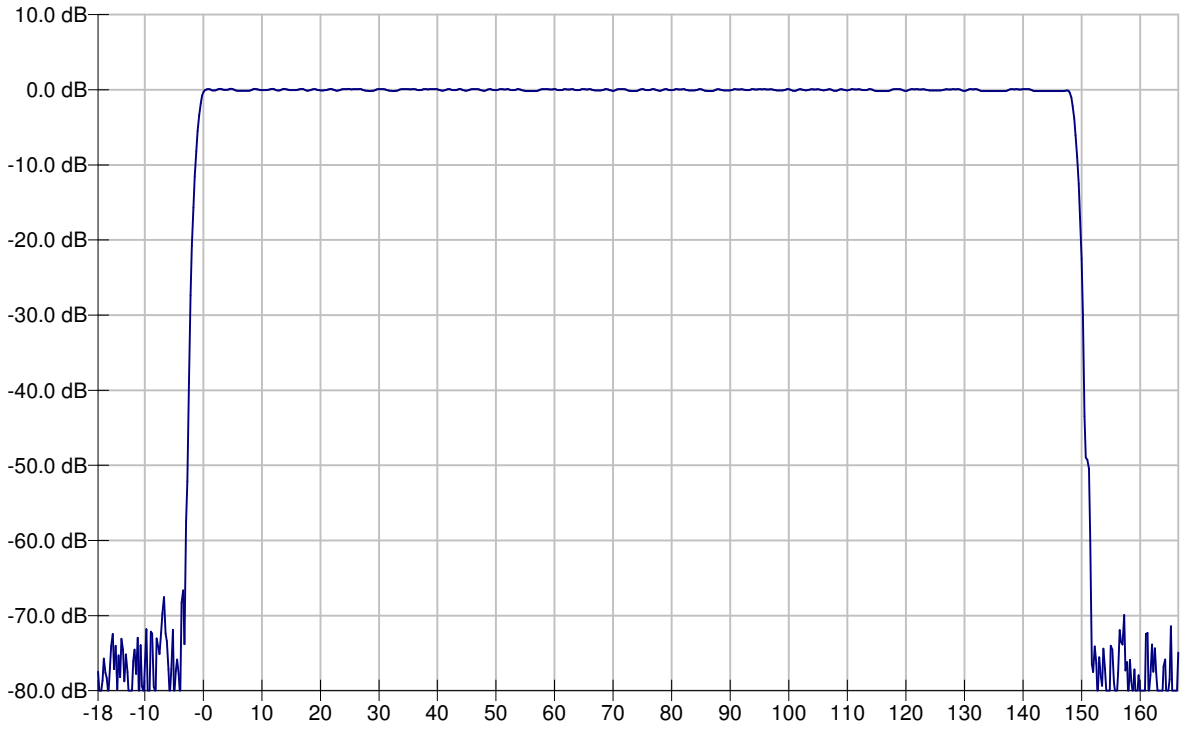
# Annex: Power Graphic

*Guard Level (dB): 3.0, Number of Slots: 1*



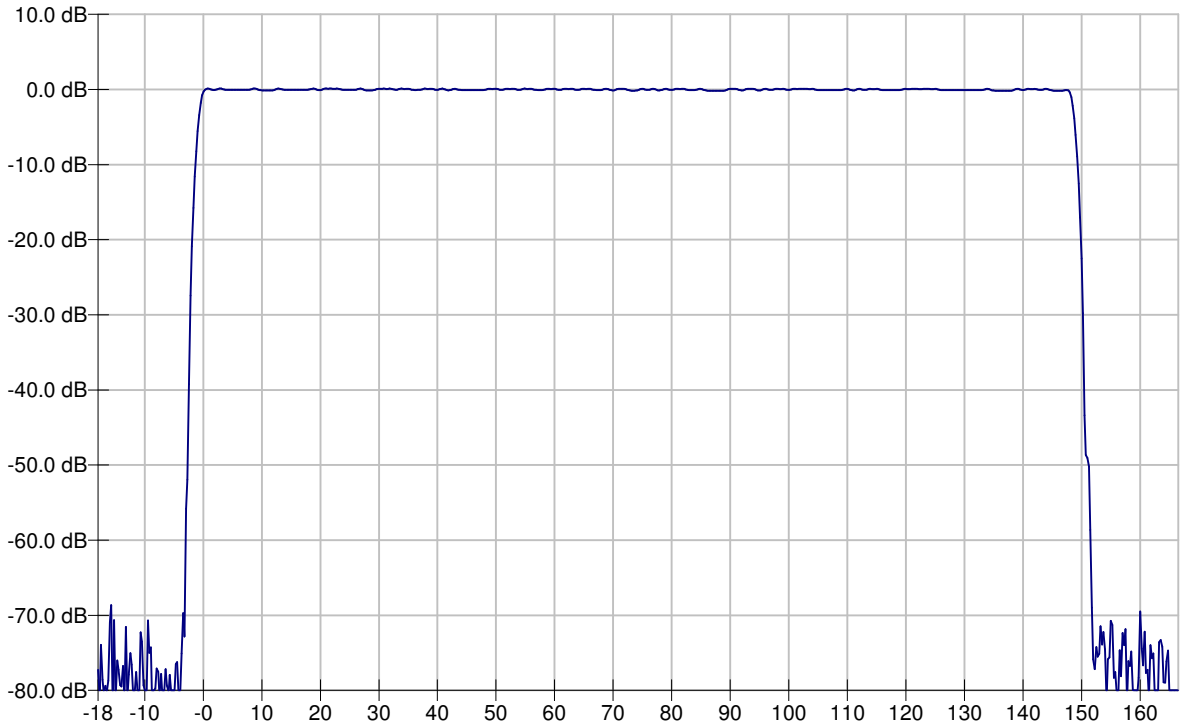

# Annex: Power Graphic

*Guard Level (dB): 3.0, Number of Slots: 1*



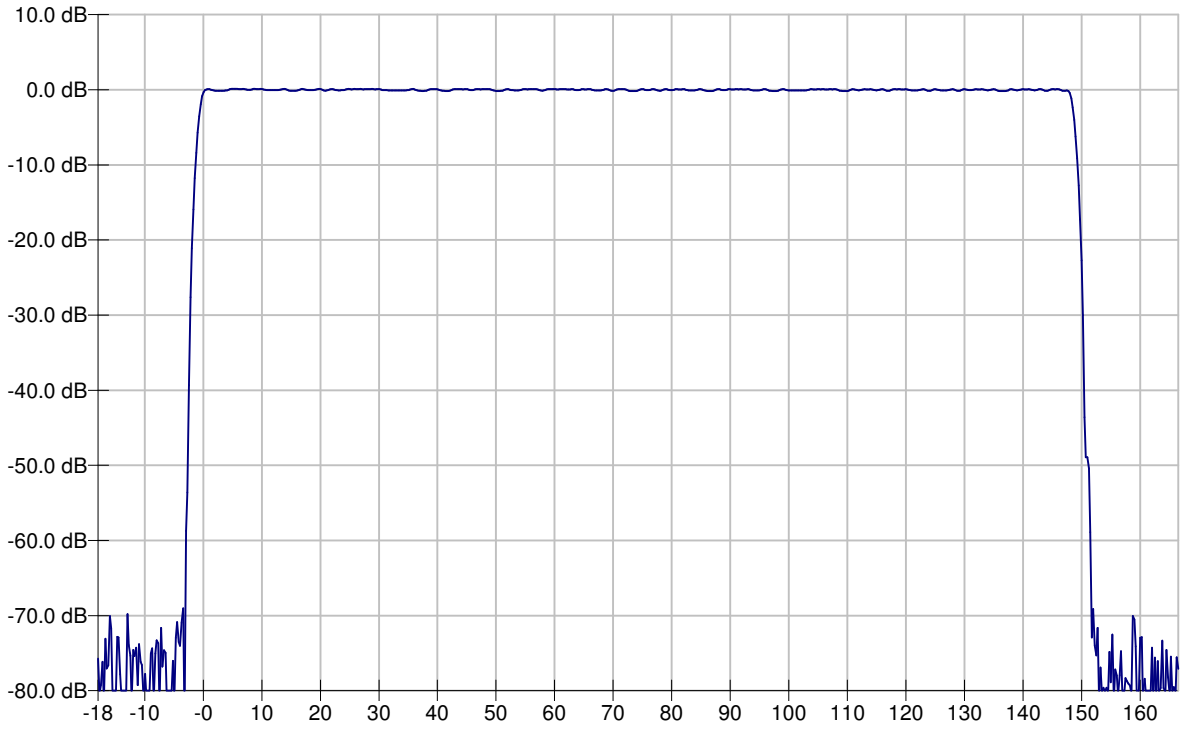
# Annex: Power Graphic

*Guard Level (dB): 3.0, Number of Slots: 1*



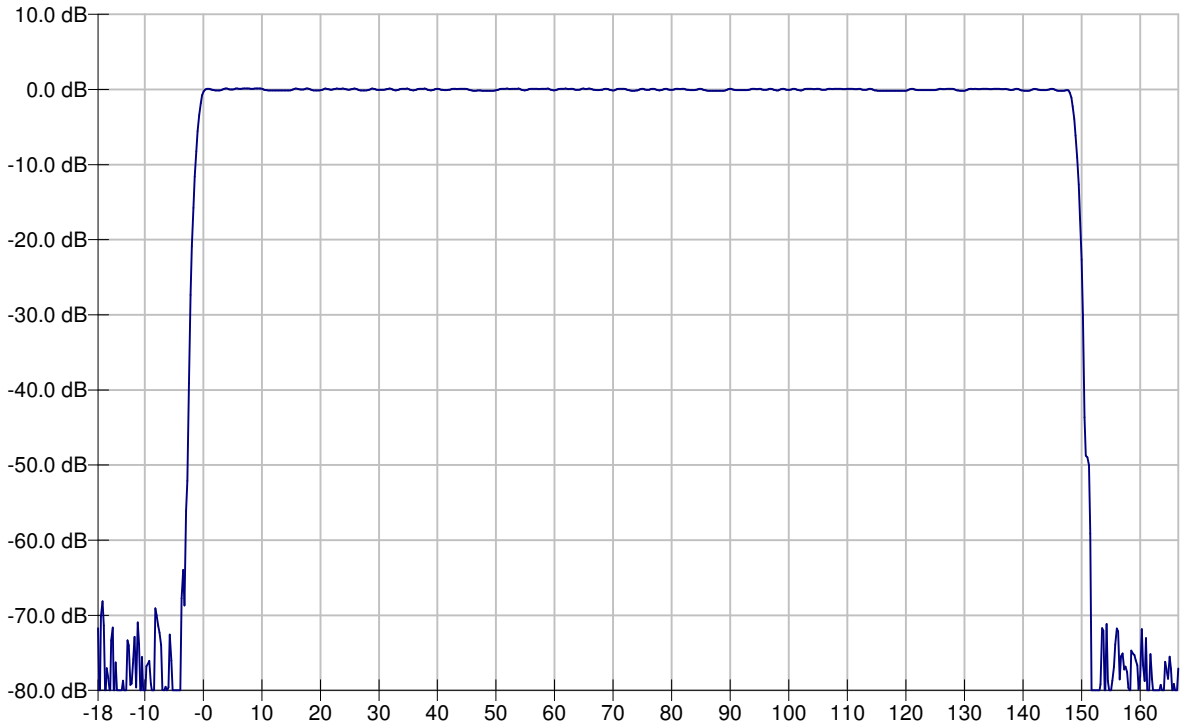

# Annex: Power Graphic

*Guard Level (dB): 3.0, Number of Slots: 1*



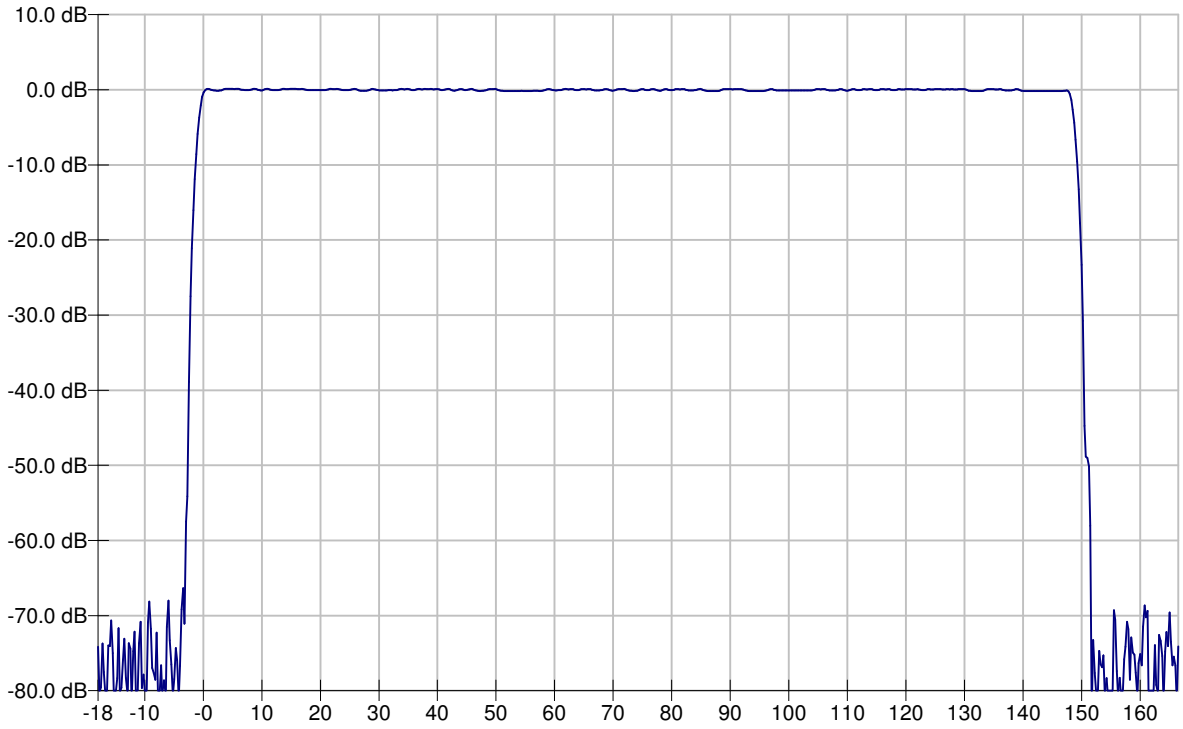
# Annex: Power Graphic

*Guard Level (dB): 3.0, Number of Slots: 1*



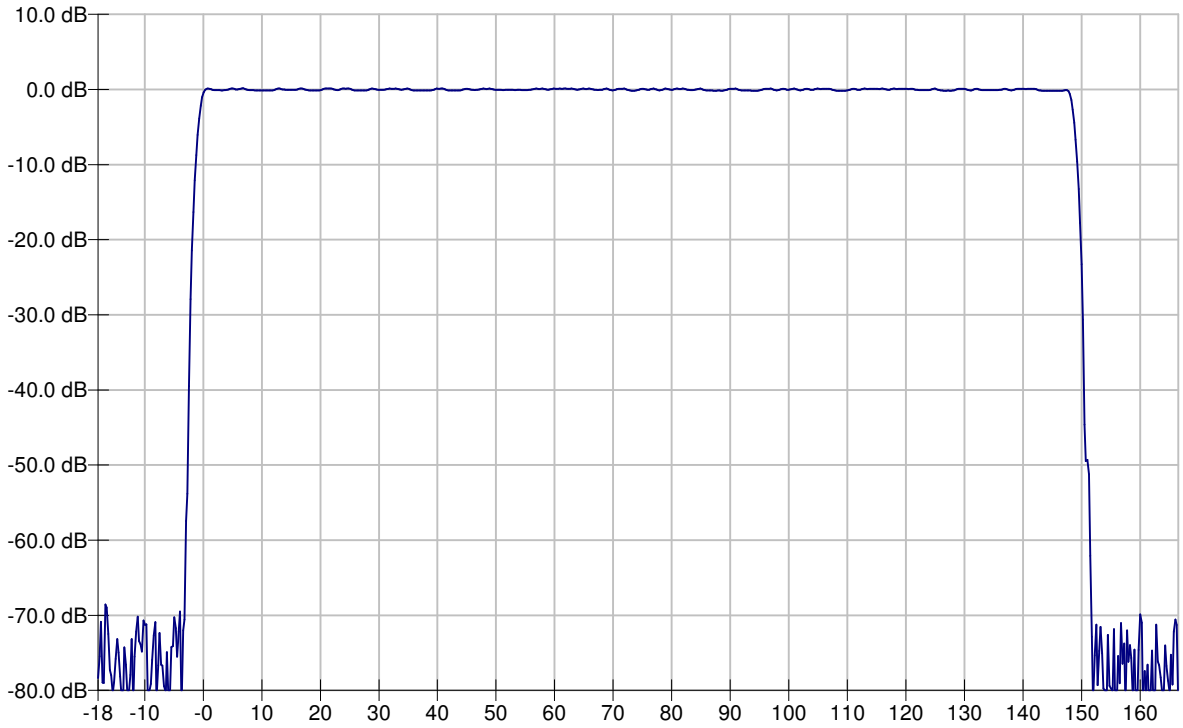

# Annex: Power Graphic

*Guard Level (dB): 3.0, Number of Slots: 1*



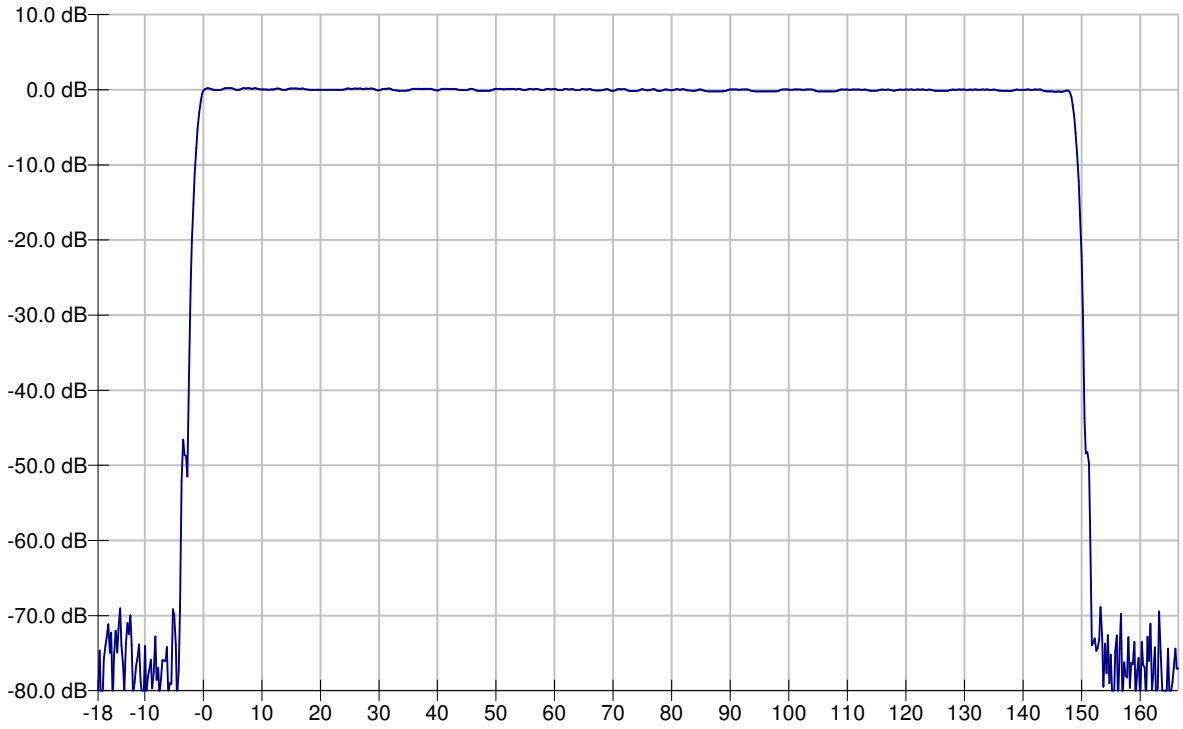
# Annex: Power Graphic

*Guard Level (dB): 3.0, Number of Slots: 1*



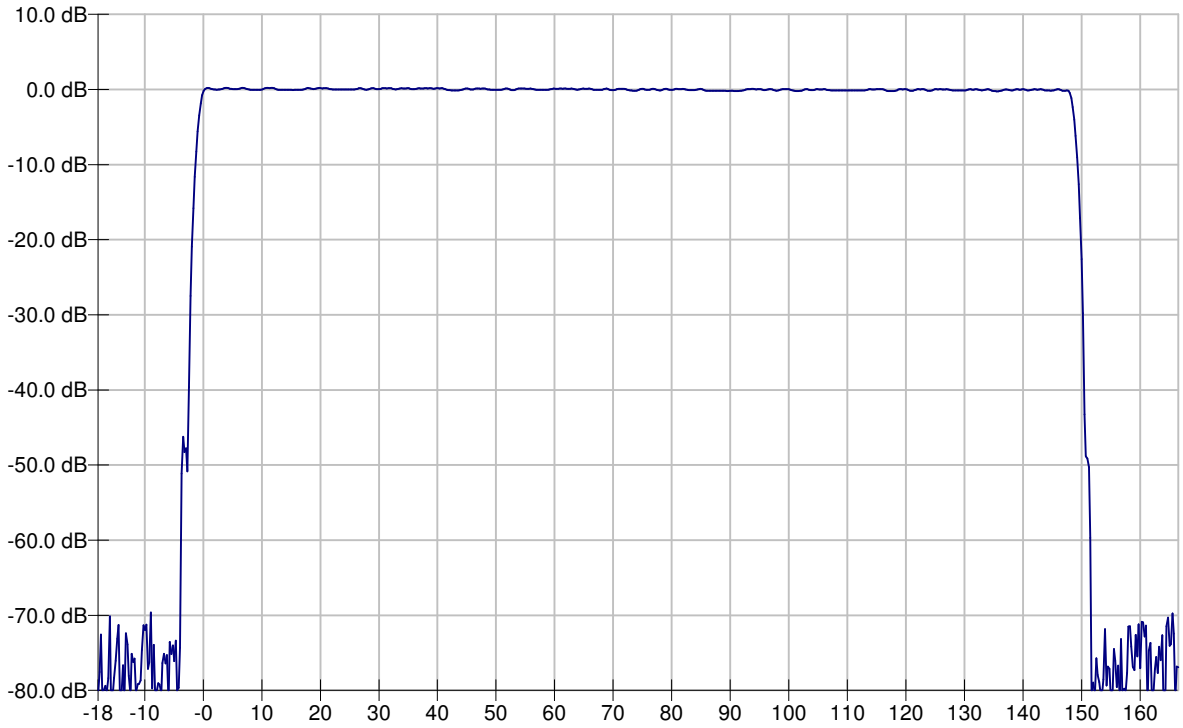

# Annex: Power Graphic

*Guard Level (dB): 3.0, Number of Slots: 1*



# Annex: Power Graphic

*Guard Level (dB): 3.0, Number of Slots: 1*



# Measurement Report

ROHDE&SCHWARZ

**Operator:** *noname* *2021年1月27日 上午 10:19:53*

**CMU Ident:** *Rohde&Schwarz,CMU 200-1100.0008.02,117995,V5.22*

**Options:** *0,B17,B21Var14,B52Var14,B54Var14,B56Var54,B66,COPROC_FULL,B83,B85,B89,B96,PCMCIA,WDDC400,K16*
*K17,K20,K21,K22,K23,K24,K27,K28,K29,K42,K43,K56,K57,K58,K59,K60,K61,K62,K63,K64,K65,K66,K67*
*K68,K69,K83,K84,K85,K86,K88,K839,K849,K859,K869,FMR6,Intel Celeron Mobil,256 MB*
*rxtx1*

**Sequence:** - - -

| Test Name and Condition | Lower Limit | Upper Limit | Measured Value | P/F |
|---|---|---|---|---|
| *Network: GSM 900, BCCH Channel/Level: 32/-85.0 dBm, TCH Channel: 62, Ref. Level: -85.0,Support GPRS* | | | | |
| *Main Timeslot: 3, Attenuation (In/Out): 5.1/5.1 dB, Bitstream: PR9, Aux TX: BCCH* | | | | |
| *Multi Slot Mode: BCCH AND TCH, Testmode: A, Coding Scheme: CS1, Acknowledge: On, RLC Mode: Not ack* | | | | |
| *Automatic Slot Configuration: Off* | | | | |
| *Downlink (Slot 0..7: Enable, dB): OFF,OFF,OFF,ON,OFF,OFF,OFF,OFF, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0* | | | | |
| *Uplink (Slot 0..7: Enable, Gamma): OFF,OFF,OFF,ON,OFF,OFF,OFF,OFF, 3, 3, 3, 3, 3, 3, 3, 3* | | | | |
| *Extended Dynamic Allocation: Auto, PC Meas Channel: BCCH* | | | | |
| *IMSI: 1. 1."0123456789", Serialno: 35920510-997959-3, Revision: PH2P, Power Class: 4, Multi Slot Class: CL33* | | | | |
| **GPRS Call to Mobile:** | | | passed | ✓ |
| *Downlink (Slot 0..7: Enable, dB): OFF,OFF,OFF,ON,OFF,OFF,OFF,OFF, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0* | | | | |
| *Uplink (Slot 0..7: Enable, Gamma): OFF,OFF,OFF,ON,OFF,OFF,OFF,OFF, 3, 3, 3, 3, 3, 3, 3, 3* | | | | |
| *Main Timeslot: 3, GSM 900,Traffic channel: 62, Coding Scheme: CS1* | | | | |
| *Number of Slots: 1, Guard Level (dB): 3.0* | | | | |
| **Average Power:** *Slot 3 , 20 Bursts* | **31.00 dBm** | **35.00 dBm** | **33.06 dBm** | ✓ |
| **Peak Burst Power:** *Slot 3 , 20 Bursts* | **31.00 dBm** | **35.00 dBm** | **33.28 dBm** | ✓ |
| **Power Time Template:** *Slot 3 , 20 Bursts* | | | **passed** | ✓ |
| **Timing Error:** *Slot 3 , 20 Bursts* | **-2.00 Bit** | **2.00 Bit** | **0.00 Bit** | ✓ |
| *Downlink (Slot 0..7: Enable, dB): OFF,OFF,OFF,ON,OFF,OFF,OFF,OFF, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0* | | | | |
| *Uplink (Slot 0..7: Enable, Gamma): OFF,OFF,OFF,ON,OFF,OFF,OFF,OFF, 4, 4, 4, 4, 4, 4, 4, 4* | | | | |
| *Main Timeslot: 3, GSM 900,Traffic channel: 62, Coding Scheme: CS1* | | | | |
| *Number of Slots: 1, Guard Level (dB): 3.0* | | | | |
| **Average Power:** *Slot 3 , 20 Bursts* | **28.00 dBm** | **34.00 dBm** | **30.80 dBm** | ✓ |
| **Peak Burst Power:** *Slot 3 , 20 Bursts* | **28.00 dBm** | **34.00 dBm** | **31.01 dBm** | ✓ |
| **Power Time Template:** *Slot 3 , 20 Bursts* | | | **passed** | ✓ |
| **Timing Error:** *Slot 3 , 20 Bursts* | **-2.00 Bit** | **2.00 Bit** | **0.00 Bit** | ✓ |
| *Downlink (Slot 0..7: Enable, dB): OFF,OFF,OFF,ON,OFF,OFF,OFF,OFF, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0* | | | | |
| *Uplink (Slot 0..7: Enable, Gamma): OFF,OFF,OFF,ON,OFF,OFF,OFF,OFF, 5, 5, 5, 5, 5, 5, 5, 5* | | | | |
| *Main Timeslot: 3, GSM 900,Traffic channel: 62, Coding Scheme: CS1* | | | | |
| *Number of Slots: 1, Guard Level (dB): 3.0* | | | | |
| **Average Power:** *Slot 3 , 20 Bursts* | **26.00 dBm** | **32.00 dBm** | **29.20 dBm** | ✓ |
| **Peak Burst Power:** *Slot 3 , 20 Bursts* | **26.00 dBm** | **32.00 dBm** | **29.37 dBm** | ✓ |
| **Power Time Template:** *Slot 3 , 20 Bursts* | | | **passed** | ✓ |
| **Timing Error:** *Slot 3 , 20 Bursts* | **-2.00 Bit** | **2.00 Bit** | **0.00 Bit** | ✓ |
| *Downlink (Slot 0..7: Enable, dB): OFF,OFF,OFF,ON,OFF,OFF,OFF,OFF, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0* | | | | |
| *Uplink (Slot 0..7: Enable, Gamma): OFF,OFF,OFF,ON,OFF,OFF,OFF,OFF, 6, 6, 6, 6, 6, 6, 6, 6* | | | | |
| *Main Timeslot: 3, GSM 900,Traffic channel: 62, Coding Scheme: CS1* | | | | |
| *Number of Slots: 1, Guard Level (dB): 3.0* | | | | |

| Test Name and Condition | Lower Limit | Upper Limit | Measured Value | P/F |
|---|---|---|---|---|
| **Average Power:** *Slot 3 , 20 Bursts* | 24.00 dBm | 30.00 dBm | 26.74 dBm | ✓ |
| **Peak Burst Power:** *Slot 3 , 20 Bursts* | 24.00 dBm | 30.00 dBm | 26.92 dBm | ✓ |
| **Power Time Template:** *Slot 3 , 20 Bursts* | | | passed | ✓ |
| **Timing Error:** *Slot 3 , 20 Bursts* | -2.00 Bit | 2.00 Bit | 0.00 Bit | ✓ |
| *Downlink (Slot 0..7: Enable, dB): OFF,OFF,OFF,ON,OFF,OFF,OFF,OFF, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0* | | | | |
| *Uplink (Slot 0..7: Enable, Gamma): OFF,OFF,OFF,ON,OFF,OFF,OFF,OFF, 7, 7, 7, 7, 7, 7, 7, 7* | | | | |
| *Main Timeslot: 3, GSM 900,Traffic channel: 62, Coding Scheme: CS1* | | | | |
| *Number of Slots: 1, Guard Level (dB): 3.0* | | | | |
| **Average Power:** *Slot 3 , 20 Bursts* | 22.00 dBm | 28.00 dBm | 24.85 dBm | ✓ |
| **Peak Burst Power:** *Slot 3 , 20 Bursts* | 22.00 dBm | 28.00 dBm | 25.01 dBm | ✓ |
| **Power Time Template:** *Slot 3 , 20 Bursts* | | | passed | ✓ |
| **Timing Error:** *Slot 3 , 20 Bursts* | -2.00 Bit | 2.00 Bit | 0.00 Bit | ✓ |
| *Downlink (Slot 0..7: Enable, dB): OFF,OFF,OFF,ON,OFF,OFF,OFF,OFF, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0* | | | | |
| *Uplink (Slot 0..7: Enable, Gamma): OFF,OFF,OFF,ON,OFF,OFF,OFF,OFF, 8, 8, 8, 8, 8, 8, 8, 8* | | | | |
| *Main Timeslot: 3, GSM 900,Traffic channel: 62, Coding Scheme: CS1* | | | | |
| *Number of Slots: 1, Guard Level (dB): 3.0* | | | | |
| **Average Power:** *Slot 3 , 20 Bursts* | 20.00 dBm | 26.00 dBm | 23.12 dBm | ✓ |
| **Peak Burst Power:** *Slot 3 , 20 Bursts* | 20.00 dBm | 26.00 dBm | 23.26 dBm | ✓ |
| **Power Time Template:** *Slot 3 , 20 Bursts* | | | passed | ✓ |
| **Timing Error:** *Slot 3 , 20 Bursts* | -2.00 Bit | 2.00 Bit | 0.00 Bit | ✓ |
| *Downlink (Slot 0..7: Enable, dB): OFF,OFF,OFF,ON,OFF,OFF,OFF,OFF, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0* | | | | |
| *Uplink (Slot 0..7: Enable, Gamma): OFF,OFF,OFF,ON,OFF,OFF,OFF,OFF, 9, 9, 9, 9, 9, 9, 9, 9* | | | | |
| *Main Timeslot: 3, GSM 900,Traffic channel: 62, Coding Scheme: CS1* | | | | |
| *Number of Slots: 1, Guard Level (dB): 3.0* | | | | |
| **Average Power:** *Slot 3 , 20 Bursts* | 18.00 dBm | 24.00 dBm | 21.34 dBm | ✓ |
| **Peak Burst Power:** *Slot 3 , 20 Bursts* | 18.00 dBm | 24.00 dBm | 21.50 dBm | ✓ |
| **Power Time Template:** *Slot 3 , 20 Bursts* | | | passed | ✓ |
| **Timing Error:** *Slot 3 , 20 Bursts* | -2.00 Bit | 2.00 Bit | 0.00 Bit | ✓ |
| *Downlink (Slot 0..7: Enable, dB): OFF,OFF,OFF,ON,OFF,OFF,OFF,OFF, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0* | | | | |
| *Uplink (Slot 0..7: Enable, Gamma): OFF,OFF,OFF,ON,OFF,OFF,OFF,OFF, 10, 10, 10, 10, 10, 10, 10, 10* | | | | |
| *Main Timeslot: 3, GSM 900,Traffic channel: 62, Coding Scheme: CS1* | | | | |
| *Number of Slots: 1, Guard Level (dB): 3.0* | | | | |
| **Average Power:** *Slot 3 , 20 Bursts* | 16.00 dBm | 22.00 dBm | 18.75 dBm | ✓ |
| **Peak Burst Power:** *Slot 3 , 20 Bursts* | 16.00 dBm | 22.00 dBm | 18.90 dBm | ✓ |
| **Power Time Template:** *Slot 3 , 20 Bursts* | | | passed | ✓ |
| **Timing Error:** *Slot 3 , 20 Bursts* | -2.00 Bit | 2.00 Bit | 0.00 Bit | ✓ |
| *Downlink (Slot 0..7: Enable, dB): OFF,OFF,OFF,ON,OFF,OFF,OFF,OFF, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0* | | | | |
| *Uplink (Slot 0..7: Enable, Gamma): OFF,OFF,OFF,ON,OFF,OFF,OFF,OFF, 11, 11, 11, 11, 11, 11, 11, 11* | | | | |
| *Main Timeslot: 3, GSM 900,Traffic channel: 62, Coding Scheme: CS1* | | | | |
| *Number of Slots: 1, Guard Level (dB): 3.0* | | | | |
| **Average Power:** *Slot 3 , 20 Bursts* | 14.00 dBm | 20.00 dBm | 16.82 dBm | ✓ |
| **Peak Burst Power:** *Slot 3 , 20 Bursts* | 14.00 dBm | 20.00 dBm | 16.96 dBm | ✓ |
| **Power Time Template:** *Slot 3 , 20 Bursts* | | | passed | ✓ |
| **Timing Error:** *Slot 3 , 20 Bursts* | -2.00 Bit | 2.00 Bit | 0.00 Bit | ✓ |
| *Downlink (Slot 0..7: Enable, dB): OFF,OFF,OFF,ON,OFF,OFF,OFF,OFF, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0* | | | | |
| *Uplink (Slot 0..7: Enable, Gamma): OFF,OFF,OFF,ON,OFF,OFF,OFF,OFF, 12, 12, 12, 12, 12, 12, 12, 12* | | | | |
| *Main Timeslot: 3, GSM 900,Traffic channel: 62, Coding Scheme: CS1* | | | | |

| Test Name and Condition | Lower Limit | Upper Limit | Measured Value | P/F |
|---|---|---|---|---|
| *Number of Slots: 1, Guard Level (dB): 3.0* | | | | |
| **Average Power:** *Slot 3 , 20 Bursts* | 12.00 dBm | 18.00 dBm | 14.96 dBm | ✓ |
| **Peak Burst Power:** *Slot 3 , 20 Bursts* | 12.00 dBm | 18.00 dBm | 15.10 dBm | ✓ |
| **Power Time Template:** *Slot 3 , 20 Bursts* | | | passed | ✓ |
| **Timing Error:** *Slot 3 , 20 Bursts* | -2.00 Bit | 2.00 Bit | 0.00 Bit | ✓ |
| *Downlink (Slot 0..7: Enable, dB): OFF,OFF,OFF,ON,OFF,OFF,OFF,OFF, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0* | | | | |
| *Uplink (Slot 0..7: Enable, Gamma): OFF,OFF,OFF,ON,OFF,OFF,OFF,OFF, 13, 13, 13, 13, 13, 13, 13, 13* | | | | |
| *Main Timeslot: 3, GSM 900,Traffic channel: 62, Coding Scheme: CS1* | | | | |
| *Number of Slots: 1, Guard Level (dB): 3.0* | | | | |
| **Average Power:** *Slot 3 , 20 Bursts* | 10.00 dBm | 16.00 dBm | 12.70 dBm | ✓ |
| **Peak Burst Power:** *Slot 3 , 20 Bursts* | 10.00 dBm | 16.00 dBm | 12.84 dBm | ✓ |
| **Power Time Template:** *Slot 3 , 20 Bursts* | | | passed | ✓ |
| **Timing Error:** *Slot 3 , 20 Bursts* | -2.00 Bit | 2.00 Bit | 0.00 Bit | ✓ |
| *Downlink (Slot 0..7: Enable, dB): OFF,OFF,OFF,ON,OFF,OFF,OFF,OFF, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0* | | | | |
| *Uplink (Slot 0..7: Enable, Gamma): OFF,OFF,OFF,ON,OFF,OFF,OFF,OFF, 14, 14, 14, 14, 14, 14, 14, 14* | | | | |
| *Main Timeslot: 3, GSM 900,Traffic channel: 62, Coding Scheme: CS1* | | | | |
| *Number of Slots: 1, Guard Level (dB): 3.0* | | | | |
| **Average Power:** *Slot 3 , 20 Bursts* | 6.00 dBm | 16.00 dBm | 11.18 dBm | ✓ |
| **Peak Burst Power:** *Slot 3 , 20 Bursts* | 6.00 dBm | 16.00 dBm | 11.34 dBm | ✓ |
| **Power Time Template:** *Slot 3 , 20 Bursts* | | | passed | ✓ |
| **Timing Error:** *Slot 3 , 20 Bursts* | -2.00 Bit | 2.00 Bit | 0.00 Bit | ✓ |
| *Downlink (Slot 0..7: Enable, dB): OFF,OFF,OFF,ON,OFF,OFF,OFF,OFF, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0* | | | | |
| *Uplink (Slot 0..7: Enable, Gamma): OFF,OFF,OFF,ON,OFF,OFF,OFF,OFF, 15, 15, 15, 15, 15, 15, 15, 15* | | | | |
| *Main Timeslot: 3, GSM 900,Traffic channel: 62, Coding Scheme: CS1* | | | | |
| *Number of Slots: 1, Guard Level (dB): 3.0* | | | | |
| **Average Power:** *Slot 3 , 20 Bursts* | 4.00 dBm | 14.00 dBm | 9.24 dBm | ✓ |
| **Peak Burst Power:** *Slot 3 , 20 Bursts* | 4.00 dBm | 14.00 dBm | 9.40 dBm | ✓ |
| **Power Time Template:** *Slot 3 , 20 Bursts* | | | passed | ✓ |
| **Timing Error:** *Slot 3 , 20 Bursts* | -2.00 Bit | 2.00 Bit | 0.00 Bit | ✓ |
| *Downlink (Slot 0..7: Enable, dB): OFF,OFF,OFF,ON,OFF,OFF,OFF,OFF, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0* | | | | |
| *Uplink (Slot 0..7: Enable, Gamma): OFF,OFF,OFF,ON,OFF,OFF,OFF,OFF, 16, 16, 16, 16, 16, 16, 16, 16* | | | | |
| *Main Timeslot: 3, GSM 900,Traffic channel: 62, Coding Scheme: CS1* | | | | |
| *Number of Slots: 1, Guard Level (dB): 3.0* | | | | |
| **Average Power:** *Slot 3 , 20 Bursts* | 2.00 dBm | 12.00 dBm | 7.51 dBm | ✓ |
| **Peak Burst Power:** *Slot 3 , 20 Bursts* | 2.00 dBm | 12.00 dBm | 7.75 dBm | ✓ |
| **Power Time Template:** *Slot 3 , 20 Bursts* | | | passed | ✓ |
| **Timing Error:** *Slot 3 , 20 Bursts* | -2.00 Bit | 2.00 Bit | 0.00 Bit | ✓ |
| *Downlink (Slot 0..7: Enable, dB): OFF,OFF,OFF,ON,OFF,OFF,OFF,OFF, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0* | | | | |
| *Uplink (Slot 0..7: Enable, Gamma): OFF,OFF,OFF,ON,OFF,OFF,OFF,OFF, 17, 17, 17, 17, 17, 17, 17, 17* | | | | |
| *Main Timeslot: 3, GSM 900,Traffic channel: 62, Coding Scheme: CS1* | | | | |
| *Number of Slots: 1, Guard Level (dB): 3.0* | | | | |
| **Average Power:** *Slot 3 , 20 Bursts* | 0.00 dBm | 10.00 dBm | 5.80 dBm | ✓ |
| **Peak Burst Power:** *Slot 3 , 20 Bursts* | 0.00 dBm | 10.00 dBm | 6.03 dBm | ✓ |
| **Power Time Template:** *Slot 3 , 20 Bursts* | | | passed | ✓ |
| **Timing Error:** *Slot 3 , 20 Bursts* | -2.00 Bit | 2.00 Bit | 0.00 Bit | ✓ |
| **GPRS Call Release Test:** | | | passed | ✓ |

| Test Name and Condition | Lower Limit | Upper Limit | Measured Value | P/F |
|---|---|---|---|---|

**MS Serial Number: 35920510-997959-3**

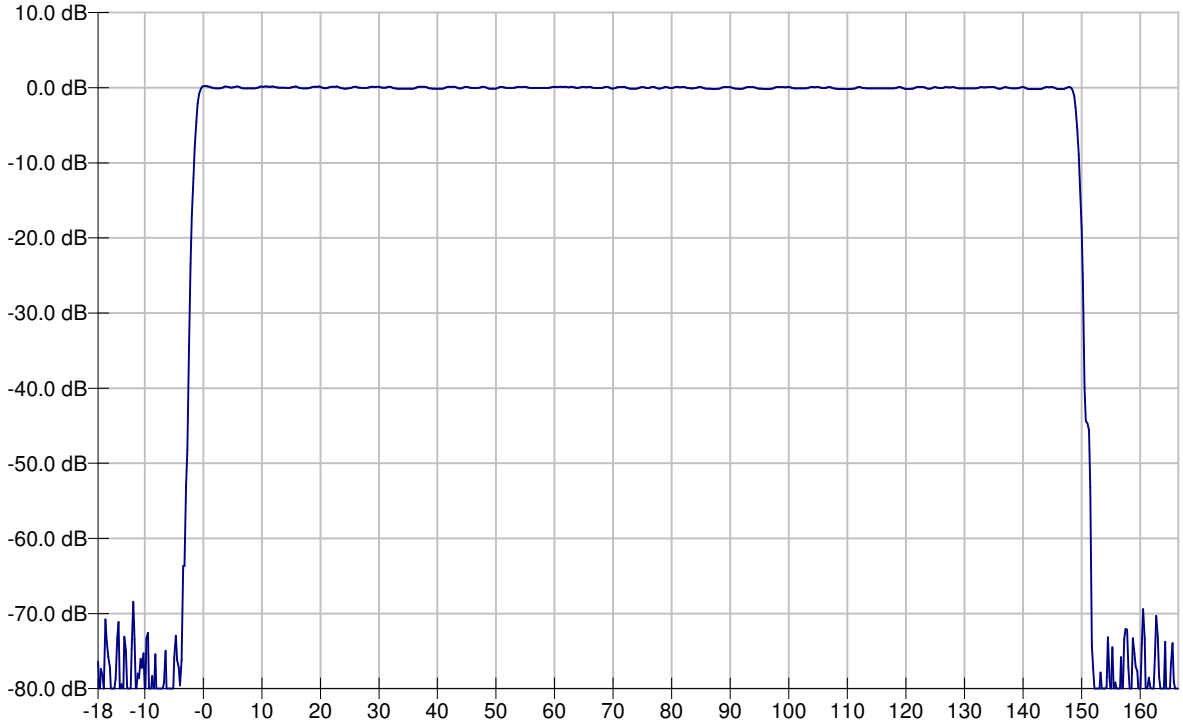
# Result:

*62 Tests passed / 0 failed / 135 with NAN*

*(Execution Time: 119.3 Seconds)*

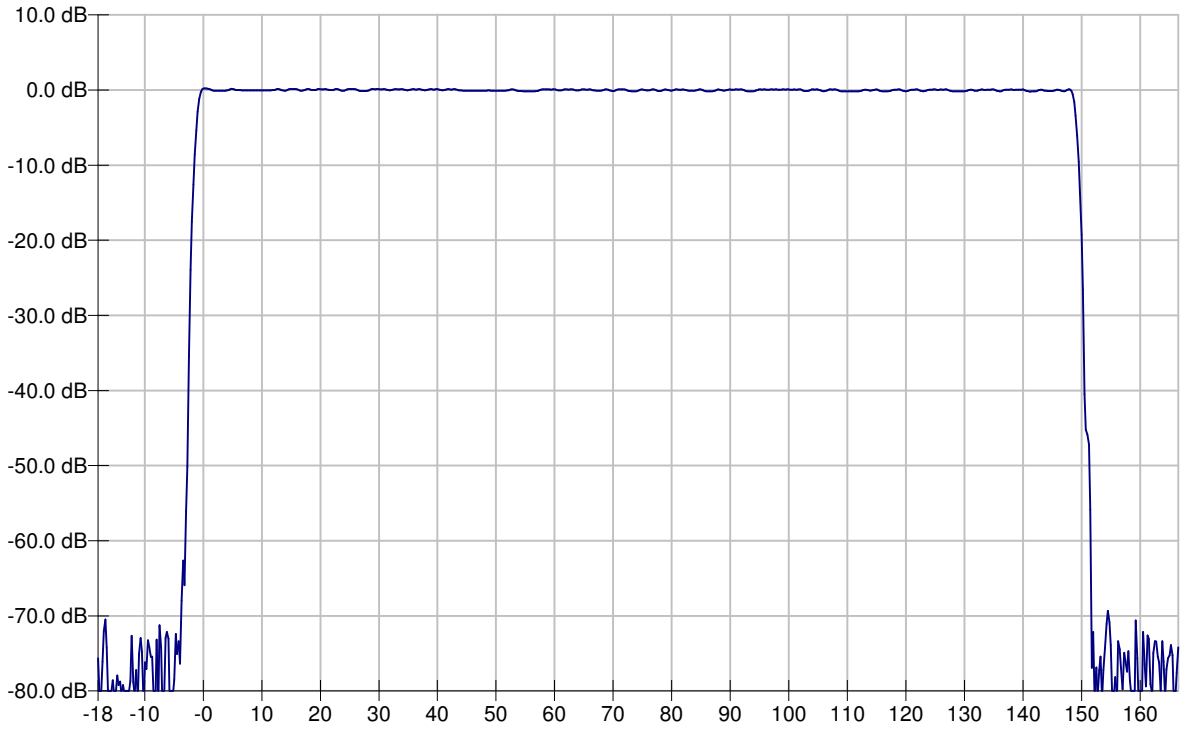
# Annex: **Power Graphic**

*Guard Level (dB): 3.0, Number of Slots: 1*



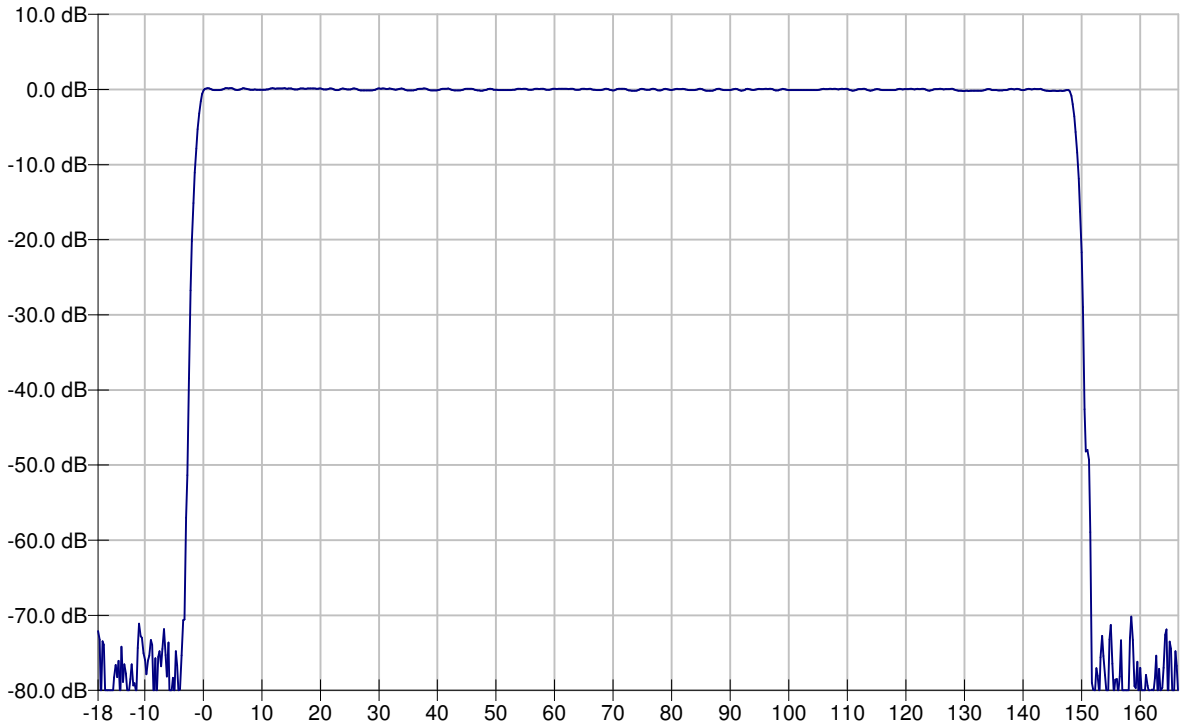

# Annex: **Power Graphic**

*Guard Level (dB): 3.0, Number of Slots: 1*



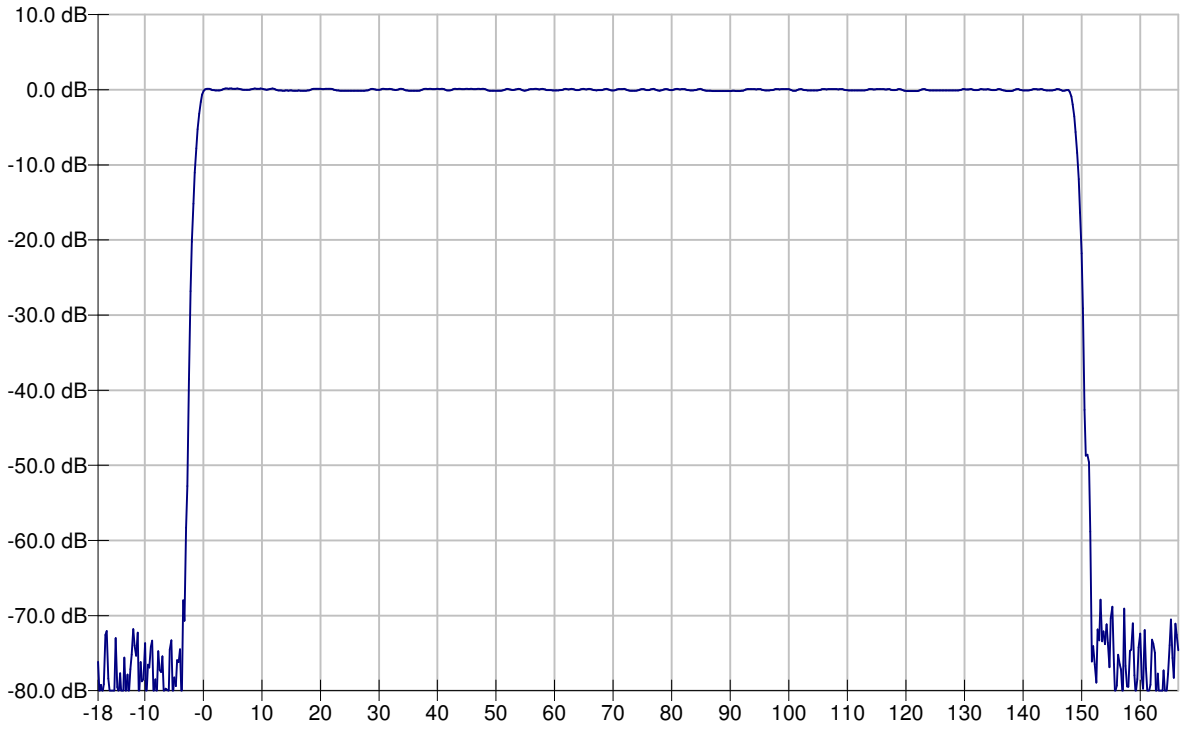
# Annex: Power Graphic

*Guard Level (dB): 3.0, Number of Slots: 1*



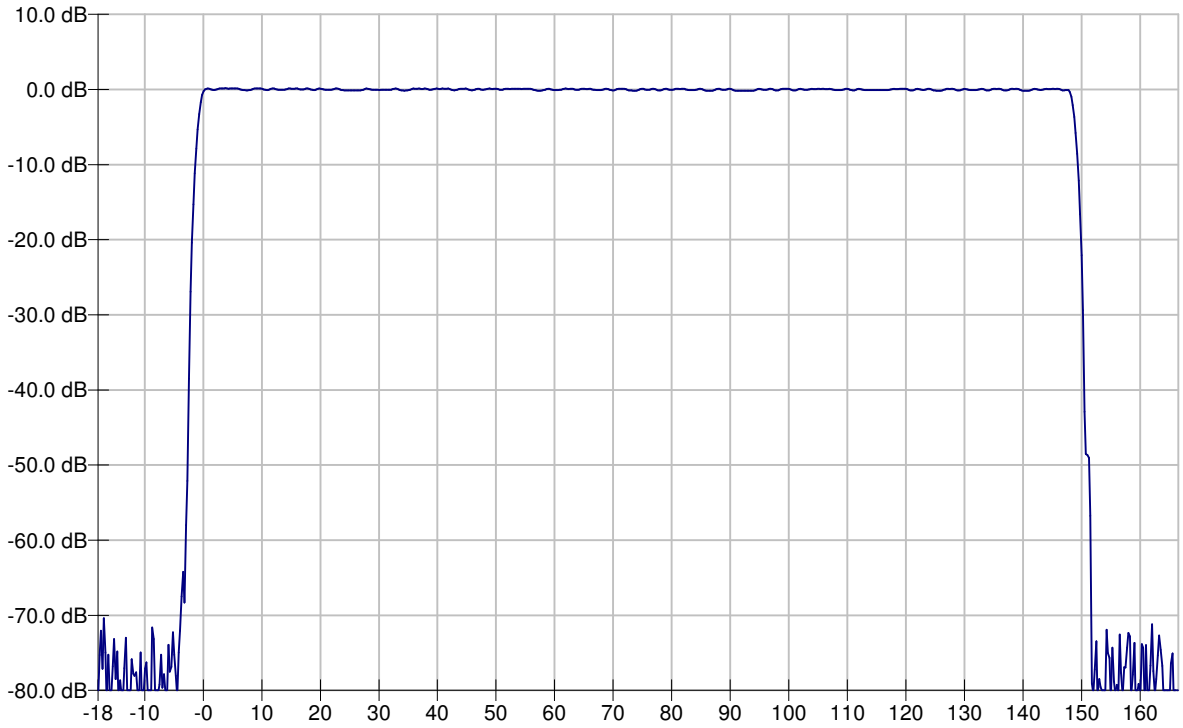

# Annex: Power Graphic

*Guard Level (dB): 3.0, Number of Slots: 1*



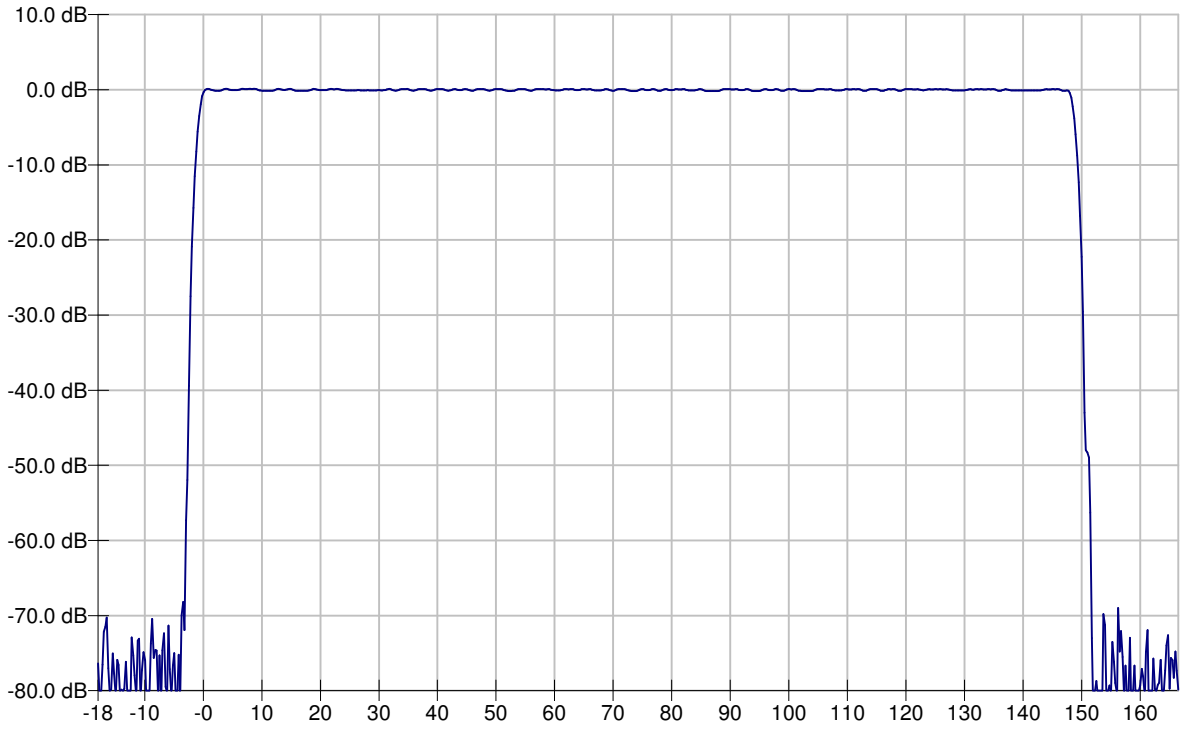
# Annex: Power Graphic

*Guard Level (dB): 3.0, Number of Slots: 1*



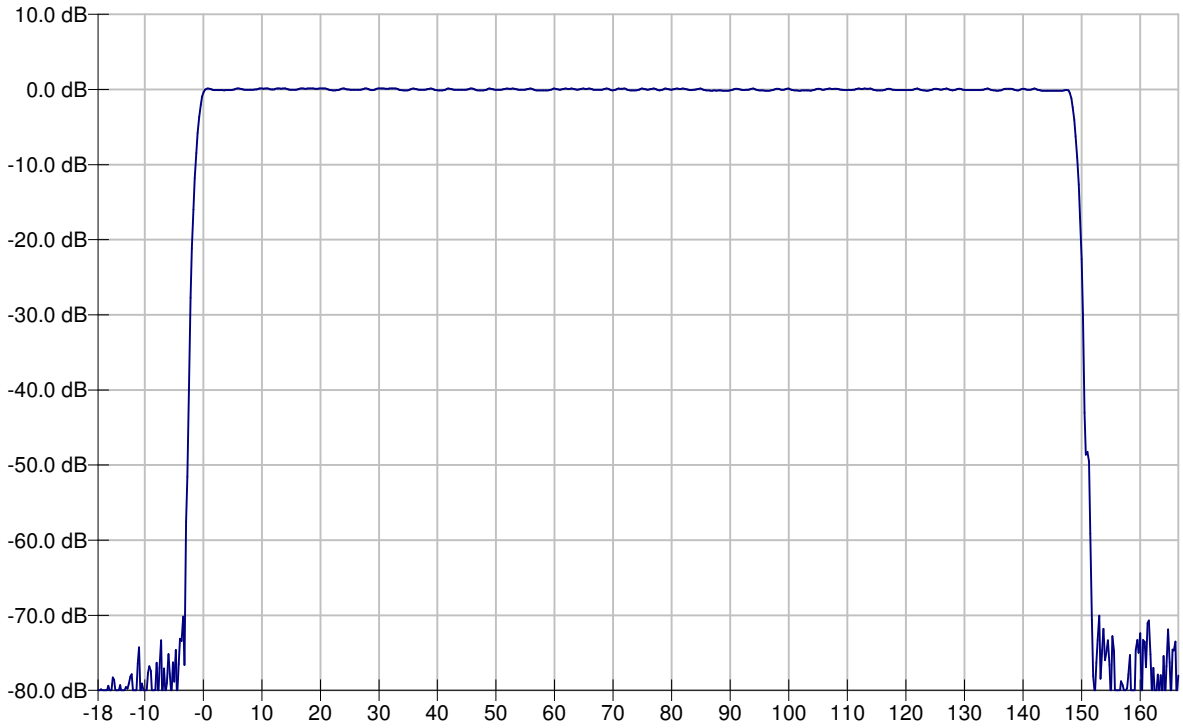

# Annex: Power Graphic

*Guard Level (dB): 3.0, Number of Slots: 1*



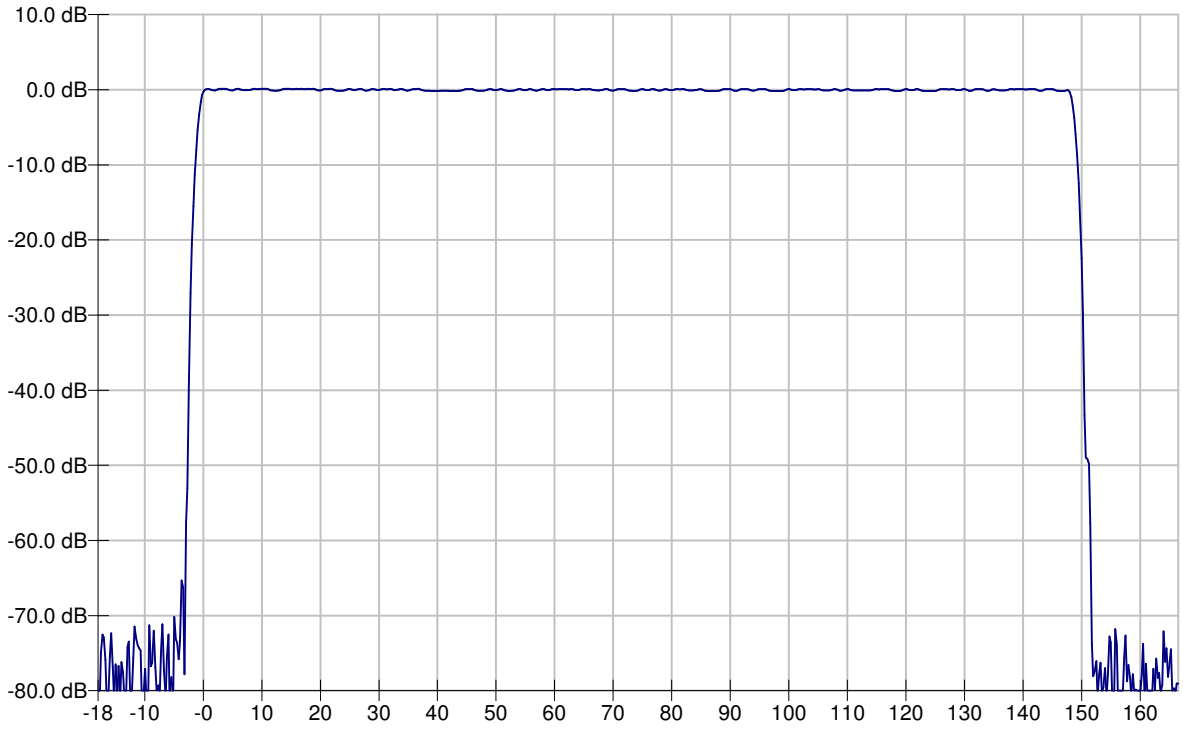
# Annex: Power Graphic

*Guard Level (dB): 3.0, Number of Slots: 1*



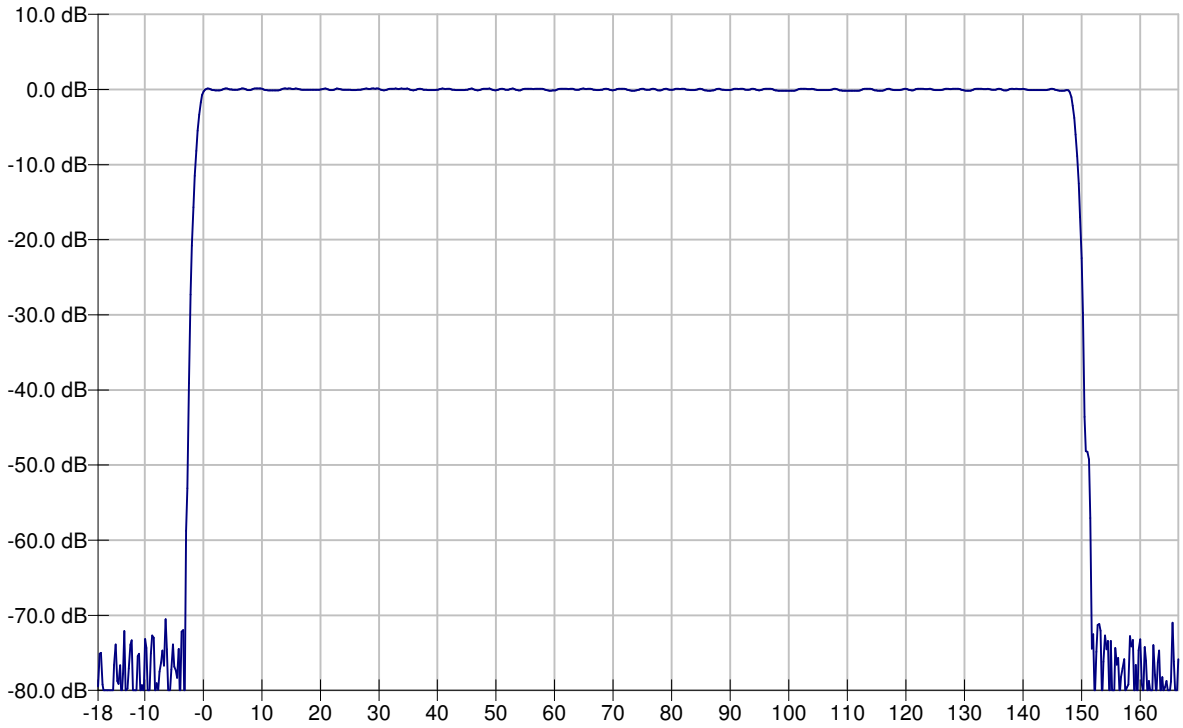

# Annex: Power Graphic

*Guard Level (dB): 3.0, Number of Slots: 1*



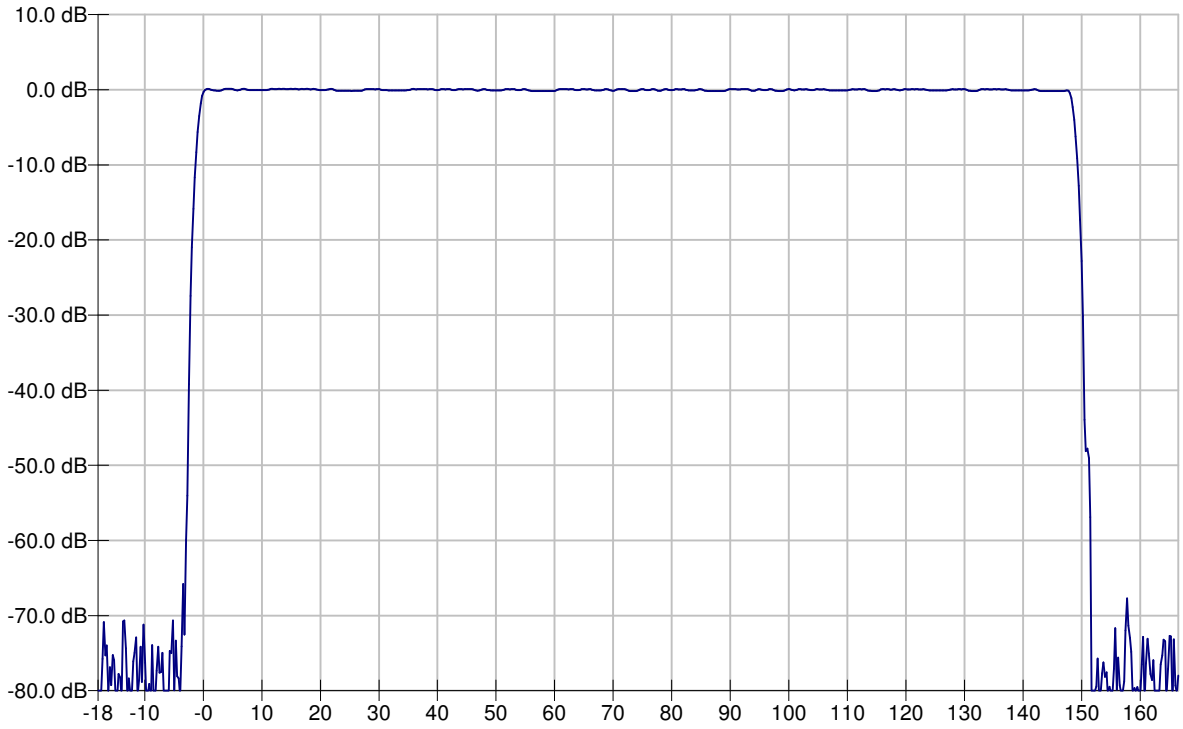
# Annex: Power Graphic

*Guard Level (dB): 3.0, Number of Slots: 1*



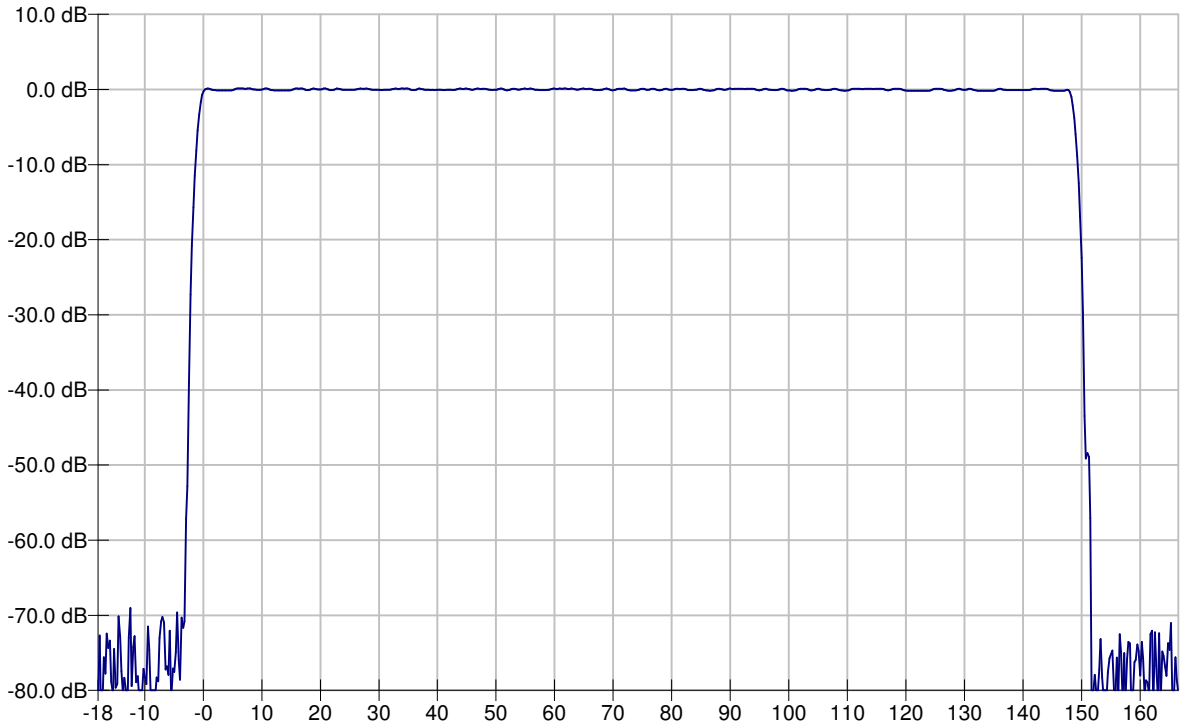

# Annex: Power Graphic

*Guard Level (dB): 3.0, Number of Slots: 1*



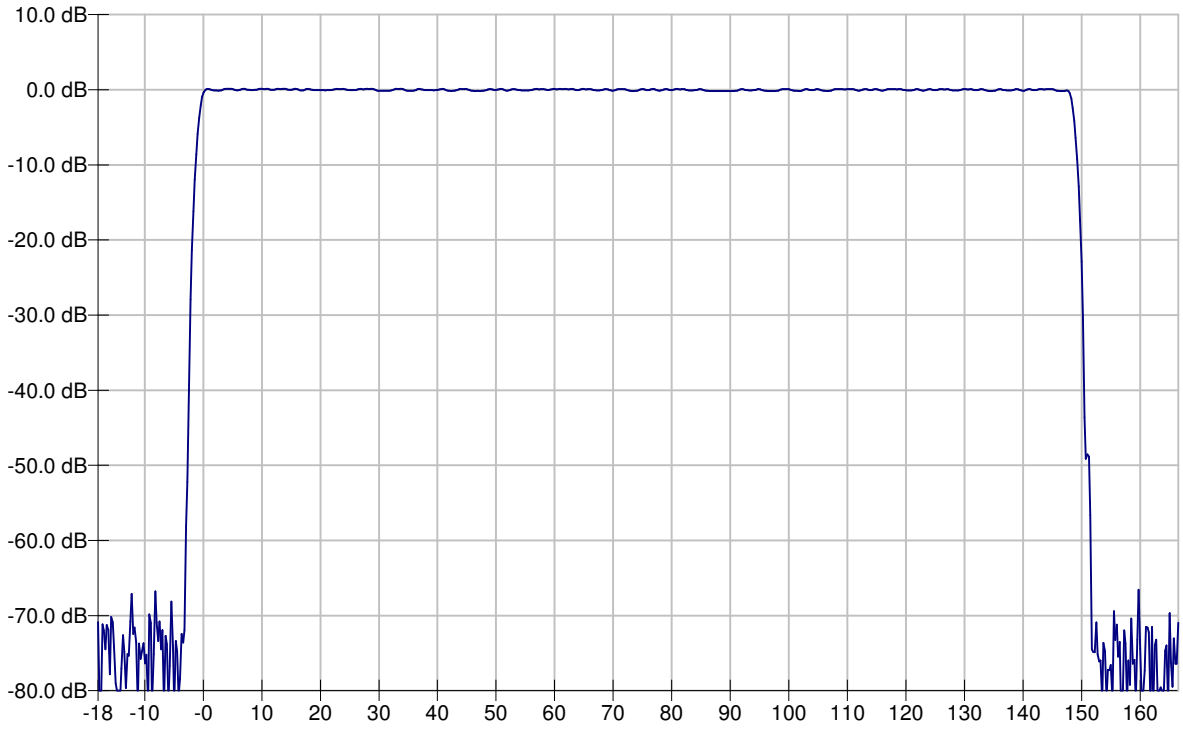
# Annex: Power Graphic

*Guard Level (dB): 3.0, Number of Slots: 1*



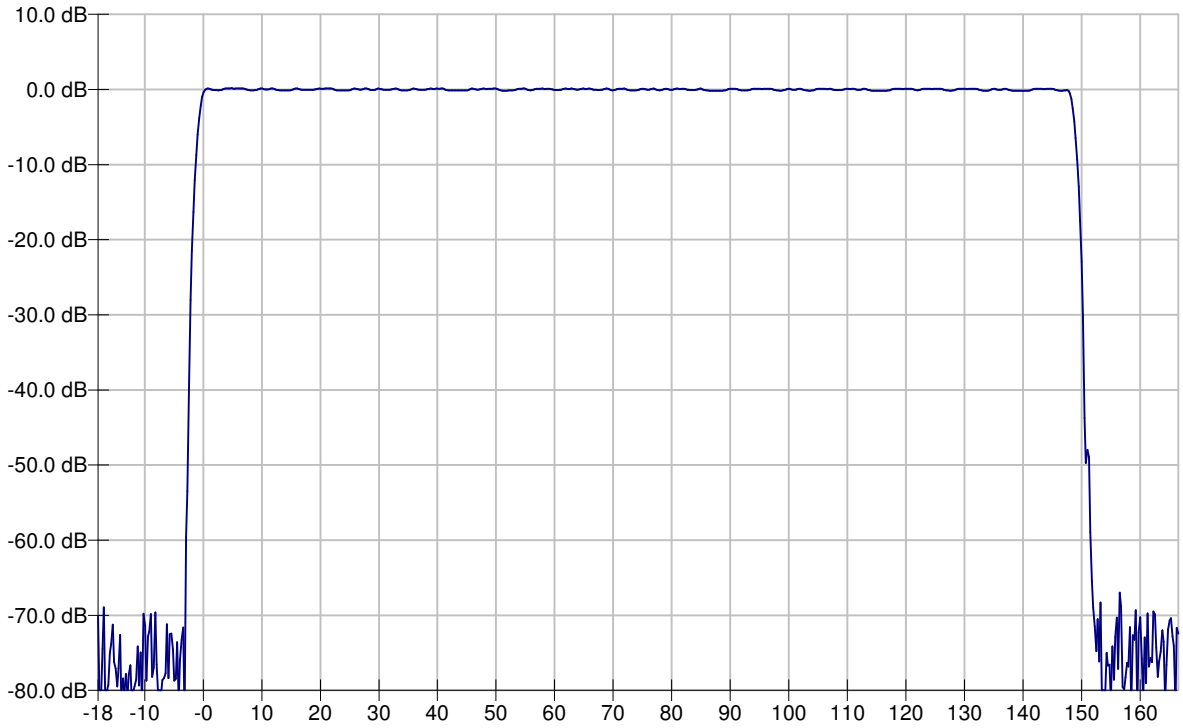

# Annex: Power Graphic

*Guard Level (dB): 3.0, Number of Slots: 1*



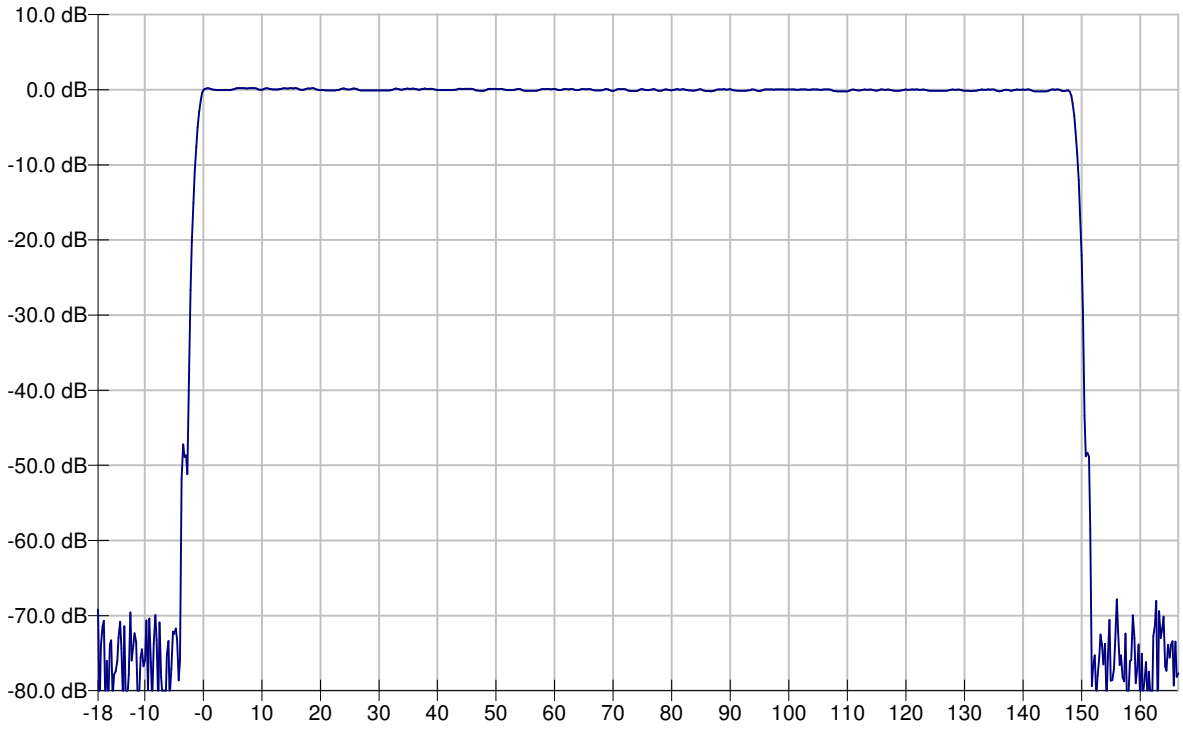
# Annex: Power Graphic

*Guard Level (dB): 3.0, Number of Slots: 1*



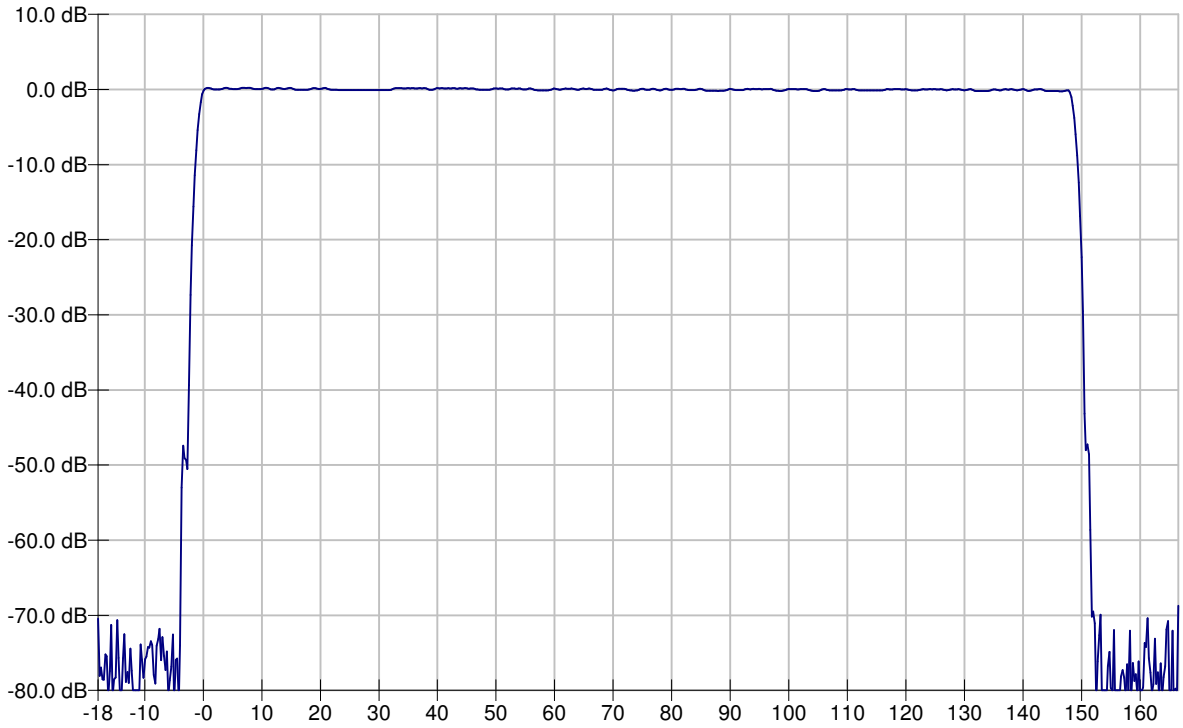

# Annex: Power Graphic

*Guard Level (dB): 3.0, Number of Slots: 1*



# Annex: Power Graphic

*Guard Level (dB): 3.0, Number of Slots: 1*



# Measurement Report

ROHDE&SCHWARZ

**Operator:** *noname* *2021年1月27日 上午 10:23:40*

**CMU Ident:** *Rohde&Schwarz,CMU 200-1100.0008.02,117995,V5.22*

**Options:** *0,B17,B21Var14,B52Var14,B54Var14,B56Var54,B66,COPROC_FULL,B83,B85,B89,B96,PCMCIA,WDDC400,K16*
*K17,K20,K21,K22,K23,K24,K27,K28,K29,K42,K43,K56,K57,K58,K59,K60,K61,K62,K63,K64,K65,K66,K67*
*K68,K69,K83,K84,K85,K86,K88,K839,K849,K859,K869,FMR6,Intel Celeron Mobil,256 MB*
*rxtx1*

**Sequence:** - - -

| Test Name and Condition | Lower Limit | Upper Limit | Measured Value | P/F |
|---|---|---|---|---|
| *Network: GSM 900, BCCH Channel/Level: 32/-85.0 dBm, TCH Channel: 124, Ref. Level: -85.0,Support GPRS* | | | | |
| *Main Timeslot: 3, Attenuation (In/Out): 5.1/5.1 dB, Bitstream: PR9, Aux TX: BCCH* | | | | |
| *Multi Slot Mode: BCCH AND TCH, Testmode: A, Coding Scheme: CS1, Acknowledge: On, RLC Mode: Not ack* | | | | |
| *Automatic Slot Configuration: Off* | | | | |
| *Downlink (Slot 0..7: Enable, dB): OFF,OFF,OFF,ON,OFF,OFF,OFF,OFF, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0* | | | | |
| *Uplink (Slot 0..7: Enable, Gamma): OFF,OFF,OFF,ON,OFF,OFF,OFF,OFF, 3, 3, 3, 3, 3, 3, 3, 3* | | | | |
| *Extended Dynamic Allocation: Auto, PC Meas Channel: BCCH* | | | | |
| *IMSI: 1. 1."0123456789", Serialno: 35920510-997959-3, Revision: PH2P, Power Class: 4, Multi Slot Class: CL33* | | | | |
| **GPRS Call to Mobile:** | | | passed | ✓ |
| *Downlink (Slot 0..7: Enable, dB): OFF,OFF,OFF,ON,OFF,OFF,OFF,OFF, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0* | | | | |
| *Uplink (Slot 0..7: Enable, Gamma): OFF,OFF,OFF,ON,OFF,OFF,OFF,OFF, 3, 3, 3, 3, 3, 3, 3, 3* | | | | |
| *Main Timeslot: 3, GSM 900,Traffic channel: 124, Coding Scheme: CS1* | | | | |
| *Number of Slots: 1, Guard Level (dB): 3.0* | | | | |
| **Average Power:** *Slot 3 , 20 Bursts* | **31.00 dBm** | **35.00 dBm** | **32.98 dBm** | ✓ |
| **Peak Burst Power:** *Slot 3 , 20 Bursts* | **31.00 dBm** | **35.00 dBm** | **33.20 dBm** | ✓ |
| **Power Time Template:** *Slot 3 , 20 Bursts* | | | passed | ✓ |
| **Timing Error:** *Slot 3 , 20 Bursts* | **-2.00 Bit** | **2.00 Bit** | **0.00 Bit** | ✓ |
| *Downlink (Slot 0..7: Enable, dB): OFF,OFF,OFF,ON,OFF,OFF,OFF,OFF, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0* | | | | |
| *Uplink (Slot 0..7: Enable, Gamma): OFF,OFF,OFF,ON,OFF,OFF,OFF,OFF, 4, 4, 4, 4, 4, 4, 4, 4* | | | | |
| *Main Timeslot: 3, GSM 900,Traffic channel: 124, Coding Scheme: CS1* | | | | |
| *Number of Slots: 1, Guard Level (dB): 3.0* | | | | |
| **Average Power:** *Slot 3 , 20 Bursts* | **28.00 dBm** | **34.00 dBm** | **30.62 dBm** | ✓ |
| **Peak Burst Power:** *Slot 3 , 20 Bursts* | **28.00 dBm** | **34.00 dBm** | **30.84 dBm** | ✓ |
| **Power Time Template:** *Slot 3 , 20 Bursts* | | | passed | ✓ |
| **Timing Error:** *Slot 3 , 20 Bursts* | **-2.00 Bit** | **2.00 Bit** | **0.00 Bit** | ✓ |
| *Downlink (Slot 0..7: Enable, dB): OFF,OFF,OFF,ON,OFF,OFF,OFF,OFF, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0* | | | | |
| *Uplink (Slot 0..7: Enable, Gamma): OFF,OFF,OFF,ON,OFF,OFF,OFF,OFF, 5, 5, 5, 5, 5, 5, 5, 5* | | | | |
| *Main Timeslot: 3, GSM 900,Traffic channel: 124, Coding Scheme: CS1* | | | | |
| *Number of Slots: 1, Guard Level (dB): 3.0* | | | | |
| **Average Power:** *Slot 3 , 20 Bursts* | **26.00 dBm** | **32.00 dBm** | **28.96 dBm** | ✓ |
| **Peak Burst Power:** *Slot 3 , 20 Bursts* | **26.00 dBm** | **32.00 dBm** | **29.14 dBm** | ✓ |
| **Power Time Template:** *Slot 3 , 20 Bursts* | | | passed | ✓ |
| **Timing Error:** *Slot 3 , 20 Bursts* | **-2.00 Bit** | **2.00 Bit** | **0.00 Bit** | ✓ |
| *Downlink (Slot 0..7: Enable, dB): OFF,OFF,OFF,ON,OFF,OFF,OFF,OFF, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0* | | | | |
| *Uplink (Slot 0..7: Enable, Gamma): OFF,OFF,OFF,ON,OFF,OFF,OFF,OFF, 6, 6, 6, 6, 6, 6, 6, 6* | | | | |
| *Main Timeslot: 3, GSM 900,Traffic channel: 124, Coding Scheme: CS1* | | | | |
| *Number of Slots: 1, Guard Level (dB): 3.0* | | | | |

| Test Name and Condition | Lower Limit | Upper Limit | Measured Value | P/F |
|---|---|---|---|---|
| **Average Power:** *Slot 3 , 20 Bursts* | 24.00 dBm | 30.00 dBm | 26.50 dBm | ✓ |
| **Peak Burst Power:** *Slot 3 , 20 Bursts* | 24.00 dBm | 30.00 dBm | 26.65 dBm | ✓ |
| **Power Time Template:** *Slot 3 , 20 Bursts* | | | passed | ✓ |
| **Timing Error:** *Slot 3 , 20 Bursts* | -2.00 Bit | 2.00 Bit | 0.00 Bit | ✓ |
| *Downlink (Slot 0..7: Enable, dB): OFF,OFF,OFF,ON,OFF,OFF,OFF,OFF, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0* | | | | |
| *Uplink (Slot 0..7: Enable, Gamma): OFF,OFF,OFF,ON,OFF,OFF,OFF,OFF, 7, 7, 7, 7, 7, 7, 7, 7* | | | | |
| *Main Timeslot: 3, GSM 900,Traffic channel: 124, Coding Scheme: CS1* | | | | |
| *Number of Slots: 1, Guard Level (dB): 3.0* | | | | |
| **Average Power:** *Slot 3 , 20 Bursts* | 22.00 dBm | 28.00 dBm | 24.60 dBm | ✓ |
| **Peak Burst Power:** *Slot 3 , 20 Bursts* | 22.00 dBm | 28.00 dBm | 24.76 dBm | ✓ |
| **Power Time Template:** *Slot 3 , 20 Bursts* | | | passed | ✓ |
| **Timing Error:** *Slot 3 , 20 Bursts* | -2.00 Bit | 2.00 Bit | 0.00 Bit | ✓ |
| *Downlink (Slot 0..7: Enable, dB): OFF,OFF,OFF,ON,OFF,OFF,OFF,OFF, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0* | | | | |
| *Uplink (Slot 0..7: Enable, Gamma): OFF,OFF,OFF,ON,OFF,OFF,OFF,OFF, 8, 8, 8, 8, 8, 8, 8, 8* | | | | |
| *Main Timeslot: 3, GSM 900,Traffic channel: 124, Coding Scheme: CS1* | | | | |
| *Number of Slots: 1, Guard Level (dB): 3.0* | | | | |
| **Average Power:** *Slot 3 , 20 Bursts* | 20.00 dBm | 26.00 dBm | 22.87 dBm | ✓ |
| **Peak Burst Power:** *Slot 3 , 20 Bursts* | 20.00 dBm | 26.00 dBm | 23.02 dBm | ✓ |
| **Power Time Template:** *Slot 3 , 20 Bursts* | | | passed | ✓ |
| **Timing Error:** *Slot 3 , 20 Bursts* | -2.00 Bit | 2.00 Bit | 0.00 Bit | ✓ |
| *Downlink (Slot 0..7: Enable, dB): OFF,OFF,OFF,ON,OFF,OFF,OFF,OFF, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0* | | | | |
| *Uplink (Slot 0..7: Enable, Gamma): OFF,OFF,OFF,ON,OFF,OFF,OFF,OFF, 9, 9, 9, 9, 9, 9, 9, 9* | | | | |
| *Main Timeslot: 3, GSM 900,Traffic channel: 124, Coding Scheme: CS1* | | | | |
| *Number of Slots: 1, Guard Level (dB): 3.0* | | | | |
| **Average Power:** *Slot 3 , 20 Bursts* | 18.00 dBm | 24.00 dBm | 21.09 dBm | ✓ |
| **Peak Burst Power:** *Slot 3 , 20 Bursts* | 18.00 dBm | 24.00 dBm | 21.25 dBm | ✓ |
| **Power Time Template:** *Slot 3 , 20 Bursts* | | | passed | ✓ |
| **Timing Error:** *Slot 3 , 20 Bursts* | -2.00 Bit | 2.00 Bit | 0.00 Bit | ✓ |
| *Downlink (Slot 0..7: Enable, dB): OFF,OFF,OFF,ON,OFF,OFF,OFF,OFF, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0* | | | | |
| *Uplink (Slot 0..7: Enable, Gamma): OFF,OFF,OFF,ON,OFF,OFF,OFF,OFF, 10, 10, 10, 10, 10, 10, 10, 10* | | | | |
| *Main Timeslot: 3, GSM 900,Traffic channel: 124, Coding Scheme: CS1* | | | | |
| *Number of Slots: 1, Guard Level (dB): 3.0* | | | | |
| **Average Power:** *Slot 3 , 20 Bursts* | 16.00 dBm | 22.00 dBm | 19.31 dBm | ✓ |
| **Peak Burst Power:** *Slot 3 , 20 Bursts* | 16.00 dBm | 22.00 dBm | 19.46 dBm | ✓ |
| **Power Time Template:** *Slot 3 , 20 Bursts* | | | passed | ✓ |
| **Timing Error:** *Slot 3 , 20 Bursts* | -2.00 Bit | 2.00 Bit | 0.00 Bit | ✓ |
| *Downlink (Slot 0..7: Enable, dB): OFF,OFF,OFF,ON,OFF,OFF,OFF,OFF, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0* | | | | |
| *Uplink (Slot 0..7: Enable, Gamma): OFF,OFF,OFF,ON,OFF,OFF,OFF,OFF, 11, 11, 11, 11, 11, 11, 11, 11* | | | | |
| *Main Timeslot: 3, GSM 900,Traffic channel: 124, Coding Scheme: CS1* | | | | |
| *Number of Slots: 1, Guard Level (dB): 3.0* | | | | |
| **Average Power:** *Slot 3 , 20 Bursts* | 14.00 dBm | 20.00 dBm | 17.28 dBm | ✓ |
| **Peak Burst Power:** *Slot 3 , 20 Bursts* | 14.00 dBm | 20.00 dBm | 17.43 dBm | ✓ |
| **Power Time Template:** *Slot 3 , 20 Bursts* | | | passed | ✓ |
| **Timing Error:** *Slot 3 , 20 Bursts* | -2.00 Bit | 2.00 Bit | 0.00 Bit | ✓ |
| *Downlink (Slot 0..7: Enable, dB): OFF,OFF,OFF,ON,OFF,OFF,OFF,OFF, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0* | | | | |
| *Uplink (Slot 0..7: Enable, Gamma): OFF,OFF,OFF,ON,OFF,OFF,OFF,OFF, 12, 12, 12, 12, 12, 12, 12, 12* | | | | |
| *Main Timeslot: 3, GSM 900,Traffic channel: 124, Coding Scheme: CS1* | | | | |

| Test Name and Condition | Lower Limit | Upper Limit | Measured Value | P/F |
|---|---|---|---|---|
| *Number of Slots: 1, Guard Level (dB): 3.0* | | | | |
| **Average Power:** *Slot 3 , 20 Bursts* | 12.00 dBm | 18.00 dBm | 14.70 dBm | ✓ |
| **Peak Burst Power:** *Slot 3 , 20 Bursts* | 12.00 dBm | 18.00 dBm | 14.85 dBm | ✓ |
| **Power Time Template:** *Slot 3 , 20 Bursts* | | | passed | ✓ |
| **Timing Error:** *Slot 3 , 20 Bursts* | -2.00 Bit | 2.00 Bit | 0.00 Bit | ✓ |
| *Downlink (Slot 0..7: Enable, dB): OFF,OFF,OFF,ON,OFF,OFF,OFF,OFF, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0* | | | | |
| *Uplink (Slot 0..7: Enable, Gamma): OFF,OFF,OFF,ON,OFF,OFF,OFF,OFF, 13, 13, 13, 13, 13, 13, 13, 13* | | | | |
| *Main Timeslot: 3, GSM 900,Traffic channel: 124, Coding Scheme: CS1* | | | | |
| *Number of Slots: 1, Guard Level (dB): 3.0* | | | | |
| **Average Power:** *Slot 3 , 20 Bursts* | 10.00 dBm | 16.00 dBm | 12.43 dBm | ✓ |
| **Peak Burst Power:** *Slot 3 , 20 Bursts* | 10.00 dBm | 16.00 dBm | 12.58 dBm | ✓ |
| **Power Time Template:** *Slot 3 , 20 Bursts* | | | passed | ✓ |
| **Timing Error:** *Slot 3 , 20 Bursts* | -2.00 Bit | 2.00 Bit | 0.00 Bit | ✓ |
| *Downlink (Slot 0..7: Enable, dB): OFF,OFF,OFF,ON,OFF,OFF,OFF,OFF, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0* | | | | |
| *Uplink (Slot 0..7: Enable, Gamma): OFF,OFF,OFF,ON,OFF,OFF,OFF,OFF, 14, 14, 14, 14, 14, 14, 14, 14* | | | | |
| *Main Timeslot: 3, GSM 900,Traffic channel: 124, Coding Scheme: CS1* | | | | |
| *Number of Slots: 1, Guard Level (dB): 3.0* | | | | |
| **Average Power:** *Slot 3 , 20 Bursts* | 6.00 dBm | 16.00 dBm | 10.96 dBm | ✓ |
| **Peak Burst Power:** *Slot 3 , 20 Bursts* | 6.00 dBm | 16.00 dBm | 11.10 dBm | ✓ |
| **Power Time Template:** *Slot 3 , 20 Bursts* | | | passed | ✓ |
| **Timing Error:** *Slot 3 , 20 Bursts* | -2.00 Bit | 2.00 Bit | 0.00 Bit | ✓ |
| *Downlink (Slot 0..7: Enable, dB): OFF,OFF,OFF,ON,OFF,OFF,OFF,OFF, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0* | | | | |
| *Uplink (Slot 0..7: Enable, Gamma): OFF,OFF,OFF,ON,OFF,OFF,OFF,OFF, 15, 15, 15, 15, 15, 15, 15, 15* | | | | |
| *Main Timeslot: 3, GSM 900,Traffic channel: 124, Coding Scheme: CS1* | | | | |
| *Number of Slots: 1, Guard Level (dB): 3.0* | | | | |
| **Average Power:** *Slot 3 , 20 Bursts* | 4.00 dBm | 14.00 dBm | 9.03 dBm | ✓ |
| **Peak Burst Power:** *Slot 3 , 20 Bursts* | 4.00 dBm | 14.00 dBm | 9.17 dBm | ✓ |
| **Power Time Template:** *Slot 3 , 20 Bursts* | | | passed | ✓ |
| **Timing Error:** *Slot 3 , 20 Bursts* | -2.00 Bit | 2.00 Bit | 0.00 Bit | ✓ |
| *Downlink (Slot 0..7: Enable, dB): OFF,OFF,OFF,ON,OFF,OFF,OFF,OFF, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0* | | | | |
| *Uplink (Slot 0..7: Enable, Gamma): OFF,OFF,OFF,ON,OFF,OFF,OFF,OFF, 16, 16, 16, 16, 16, 16, 16, 16* | | | | |
| *Main Timeslot: 3, GSM 900,Traffic channel: 124, Coding Scheme: CS1* | | | | |
| *Number of Slots: 1, Guard Level (dB): 3.0* | | | | |
| **Average Power:** *Slot 3 , 20 Bursts* | 2.00 dBm | 12.00 dBm | 7.82 dBm | ✓ |
| **Peak Burst Power:** *Slot 3 , 20 Bursts* | 2.00 dBm | 12.00 dBm | 8.06 dBm | ✓ |
| **Power Time Template:** *Slot 3 , 20 Bursts* | | | passed | ✓ |
| **Timing Error:** *Slot 3 , 20 Bursts* | -2.00 Bit | 2.00 Bit | 0.00 Bit | ✓ |
| *Downlink (Slot 0..7: Enable, dB): OFF,OFF,OFF,ON,OFF,OFF,OFF,OFF, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0* | | | | |
| *Uplink (Slot 0..7: Enable, Gamma): OFF,OFF,OFF,ON,OFF,OFF,OFF,OFF, 17, 17, 17, 17, 17, 17, 17, 17* | | | | |
| *Main Timeslot: 3, GSM 900,Traffic channel: 124, Coding Scheme: CS1* | | | | |
| *Number of Slots: 1, Guard Level (dB): 3.0* | | | | |
| **Average Power:** *Slot 3 , 20 Bursts* | 0.00 dBm | 10.00 dBm | 5.41 dBm | ✓ |
| **Peak Burst Power:** *Slot 3 , 20 Bursts* | 0.00 dBm | 10.00 dBm | 5.66 dBm | ✓ |
| **Power Time Template:** *Slot 3 , 20 Bursts* | | | passed | ✓ |
| **Timing Error:** *Slot 3 , 20 Bursts* | -2.00 Bit | 2.00 Bit | 0.00 Bit | ✓ |
| **GPRS Call Release Test:** | | | passed | ✓ |

| Test Name and Condition | Lower Limit | Upper Limit | Measured Value | P/F |
|---|---|---|---|---|

**MS Serial Number: 35920510-997959-3**

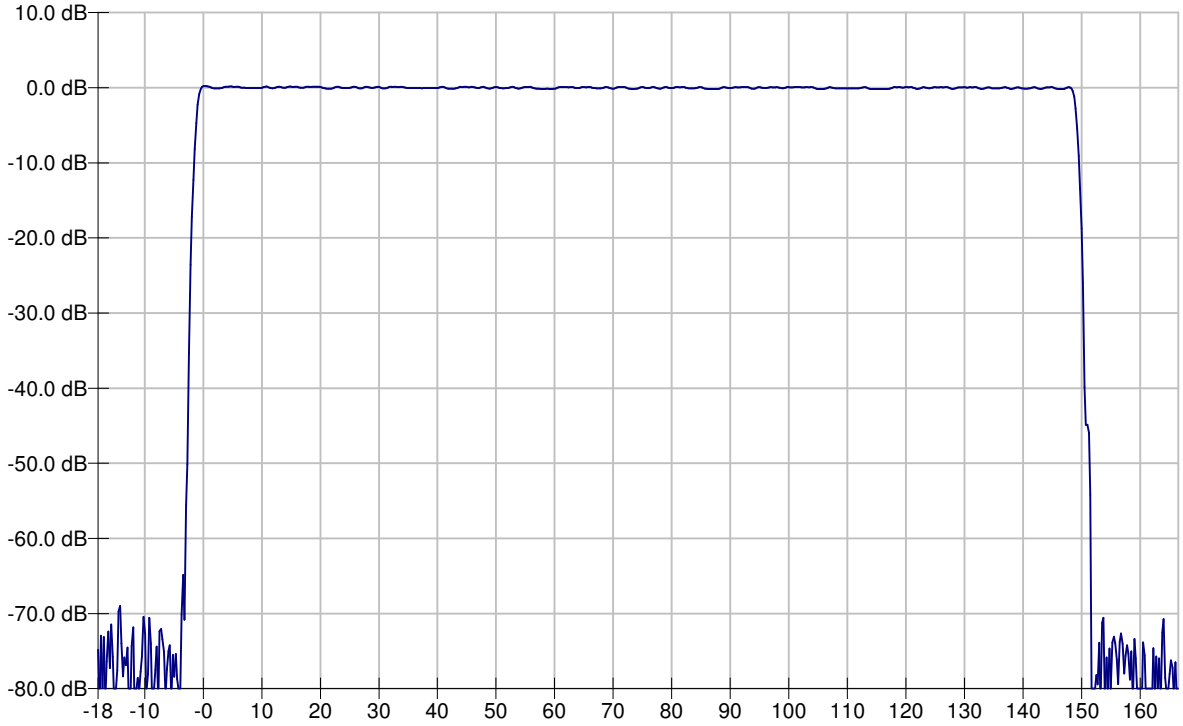
# Result:

*62 Tests passed / 0 failed / 135 with NAN*

*(Execution Time: 115.3 Seconds)*

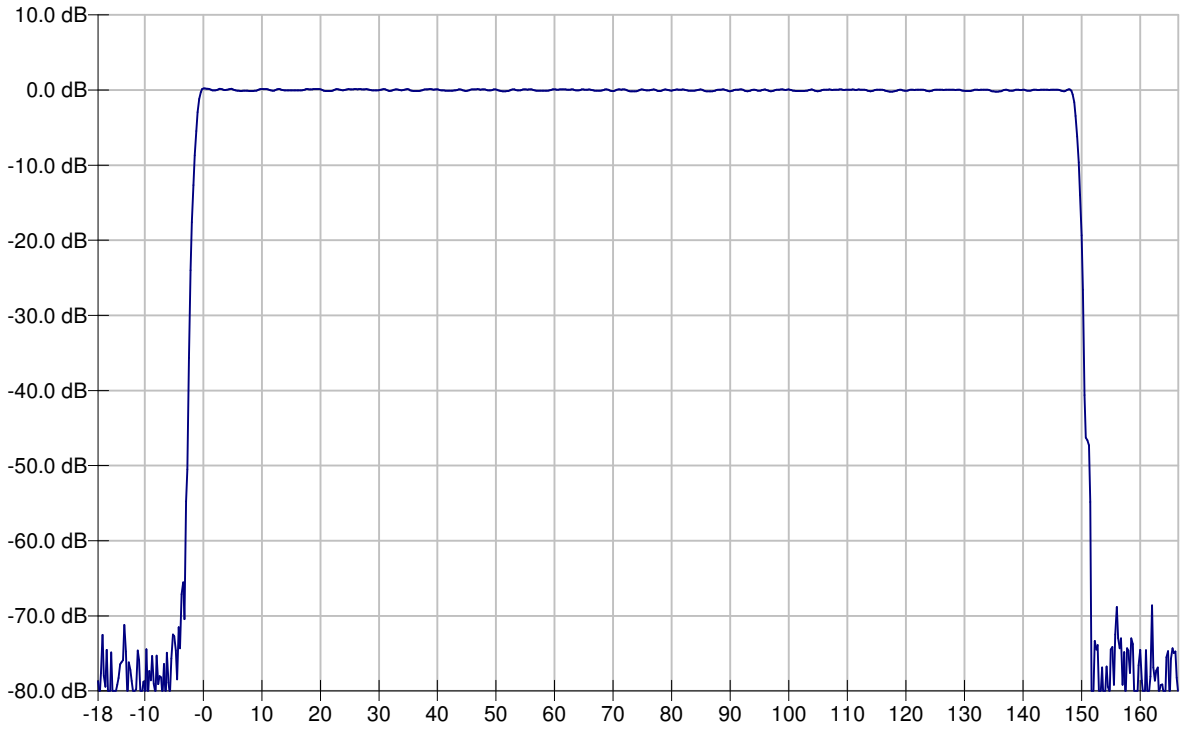
# Annex: **Power Graphic**

*Guard Level (dB): 3.0, Number of Slots: 1*



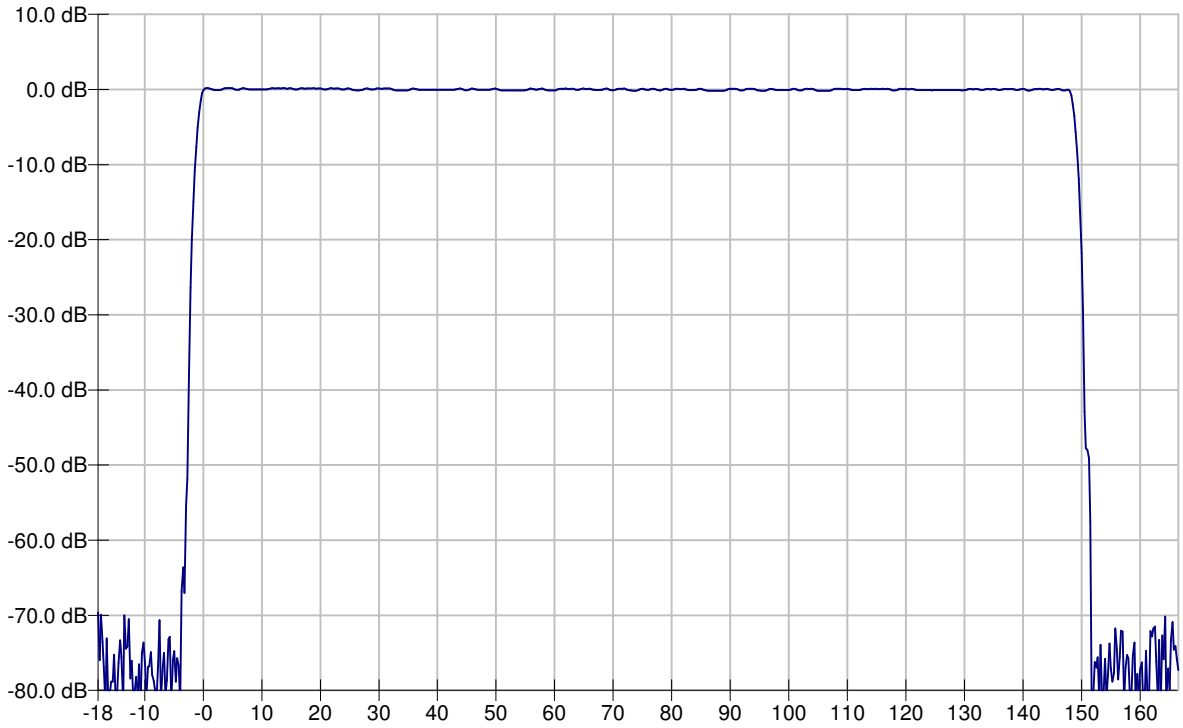

# Annex: **Power Graphic**

*Guard Level (dB): 3.0, Number of Slots: 1*



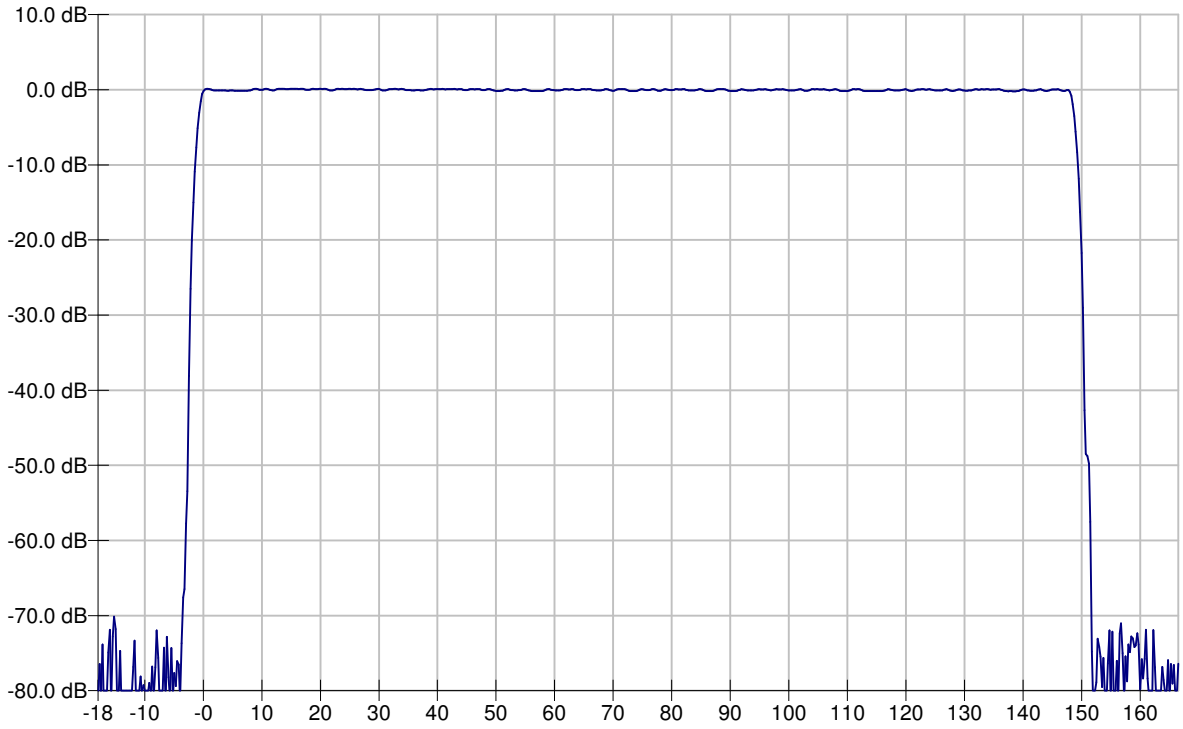
# Annex: Power Graphic

*Guard Level (dB): 3.0, Number of Slots: 1*



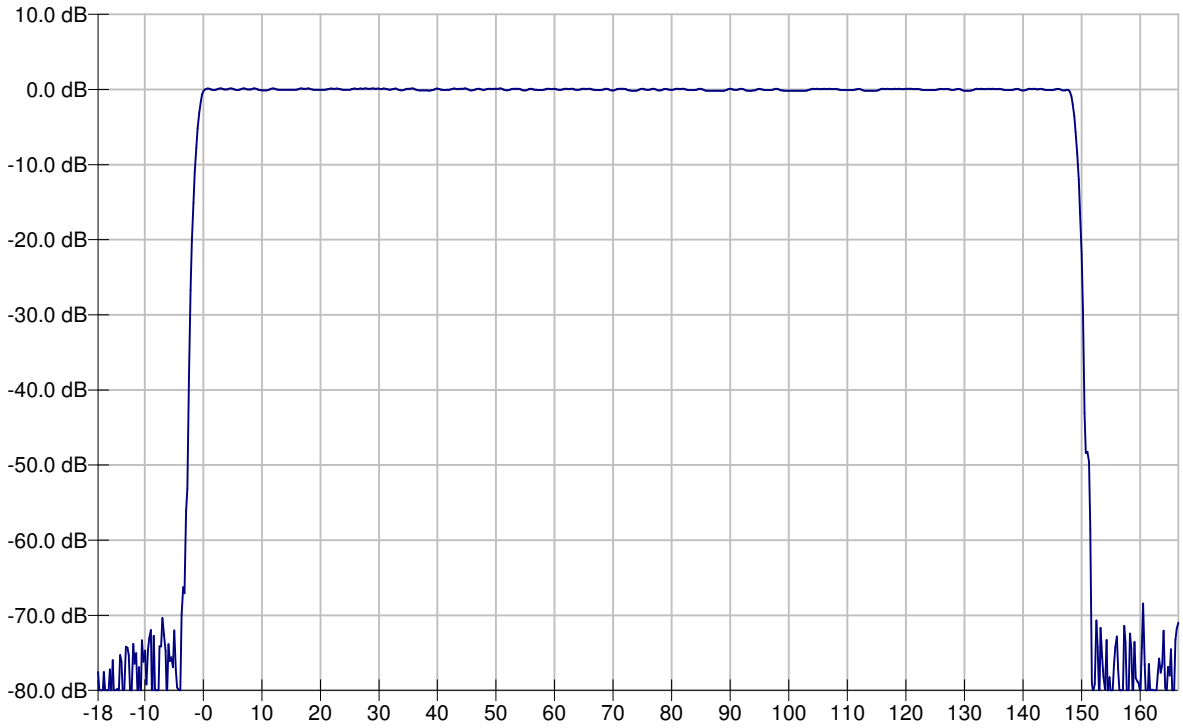

# Annex: Power Graphic

*Guard Level (dB): 3.0, Number of Slots: 1*



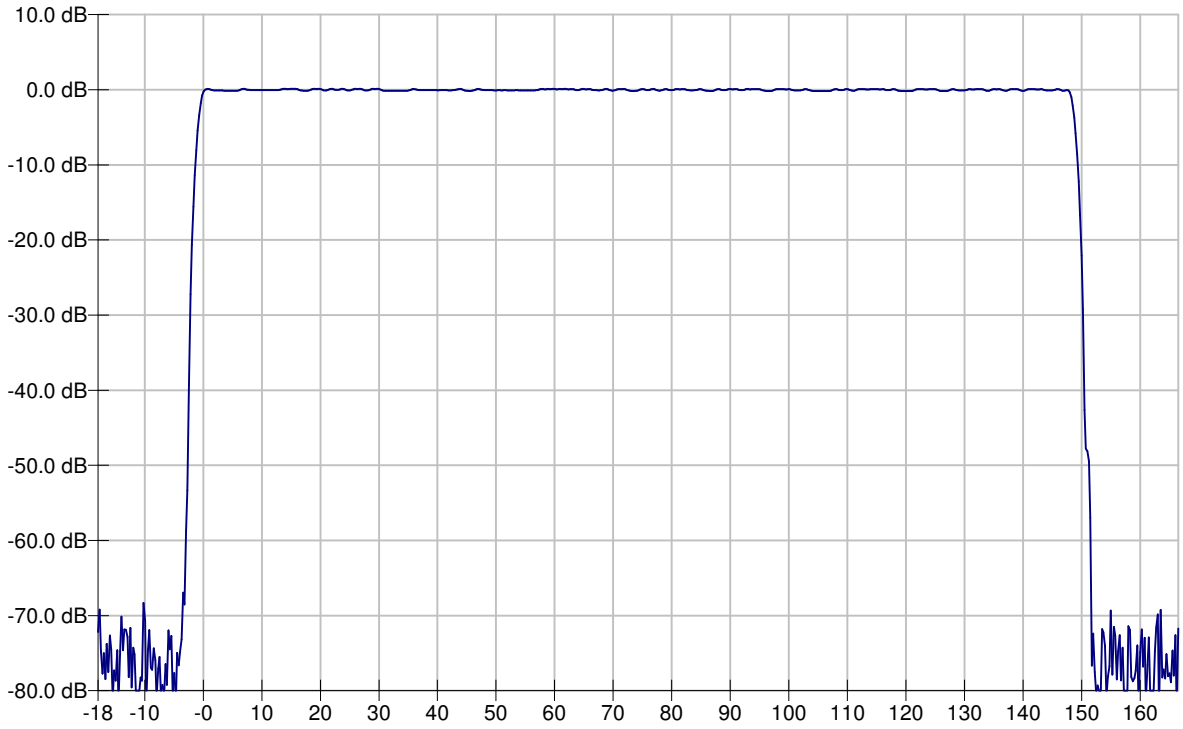
# Annex: Power Graphic

*Guard Level (dB): 3.0, Number of Slots: 1*



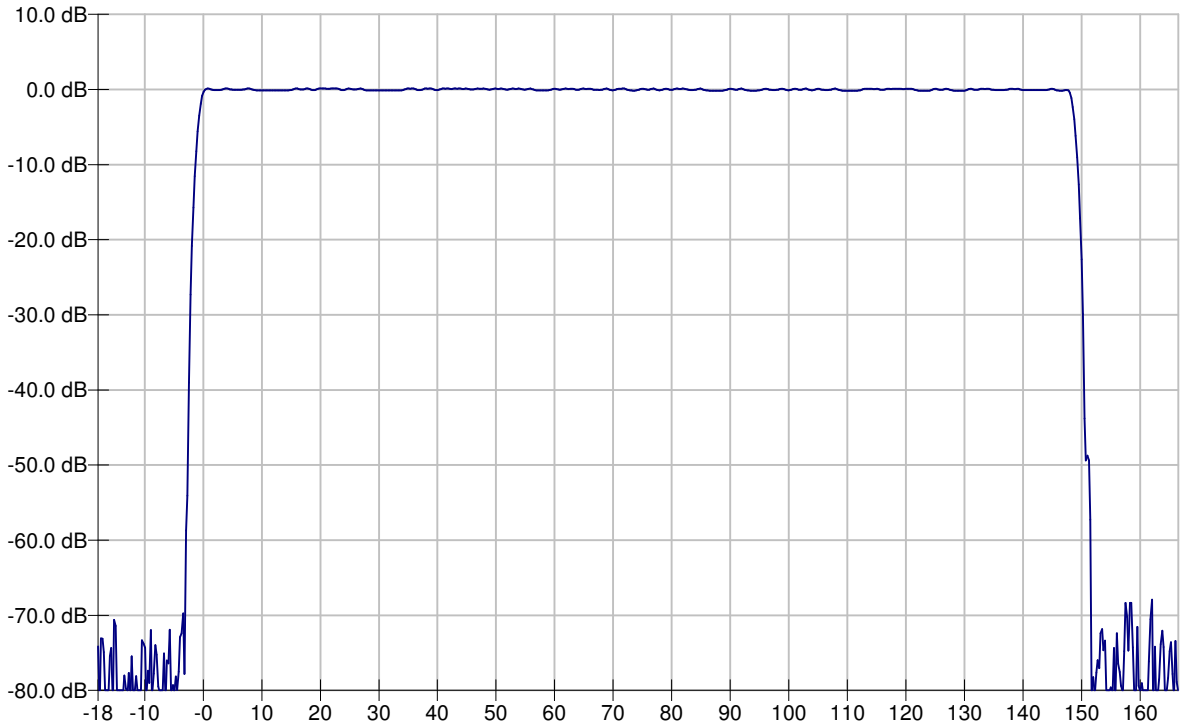

# Annex: Power Graphic

*Guard Level (dB): 3.0, Number of Slots: 1*



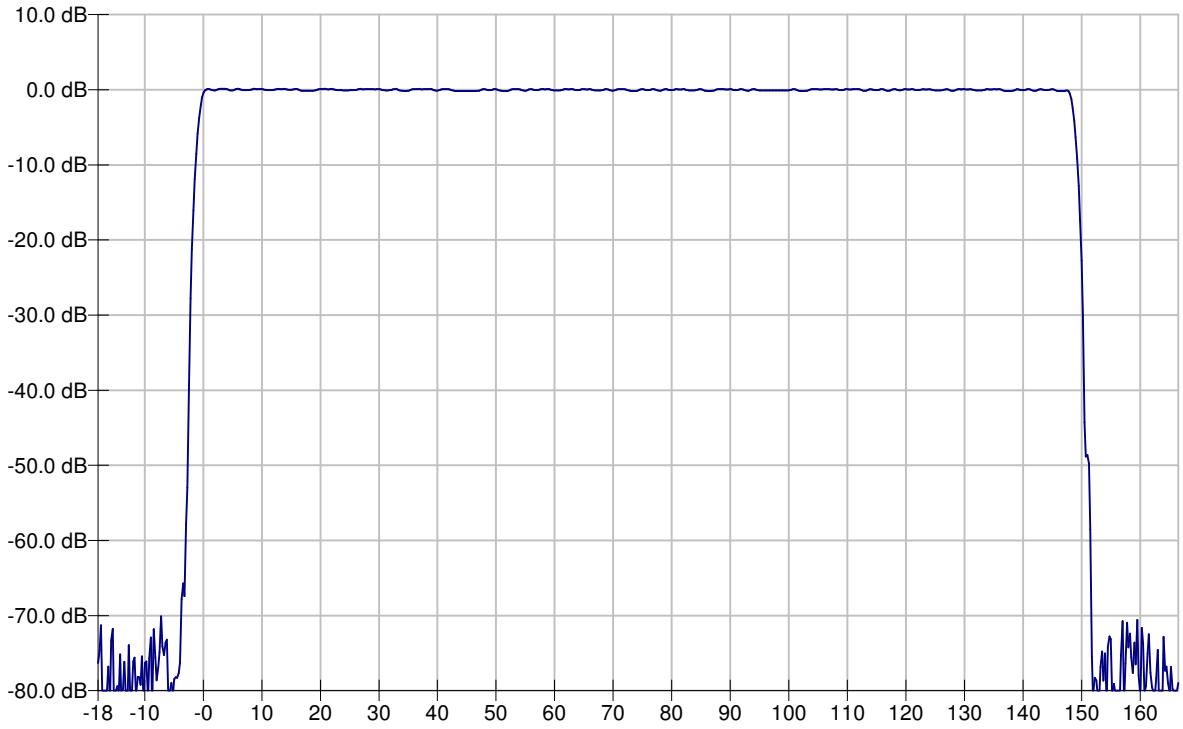
# Annex: Power Graphic

*Guard Level (dB): 3.0, Number of Slots: 1*



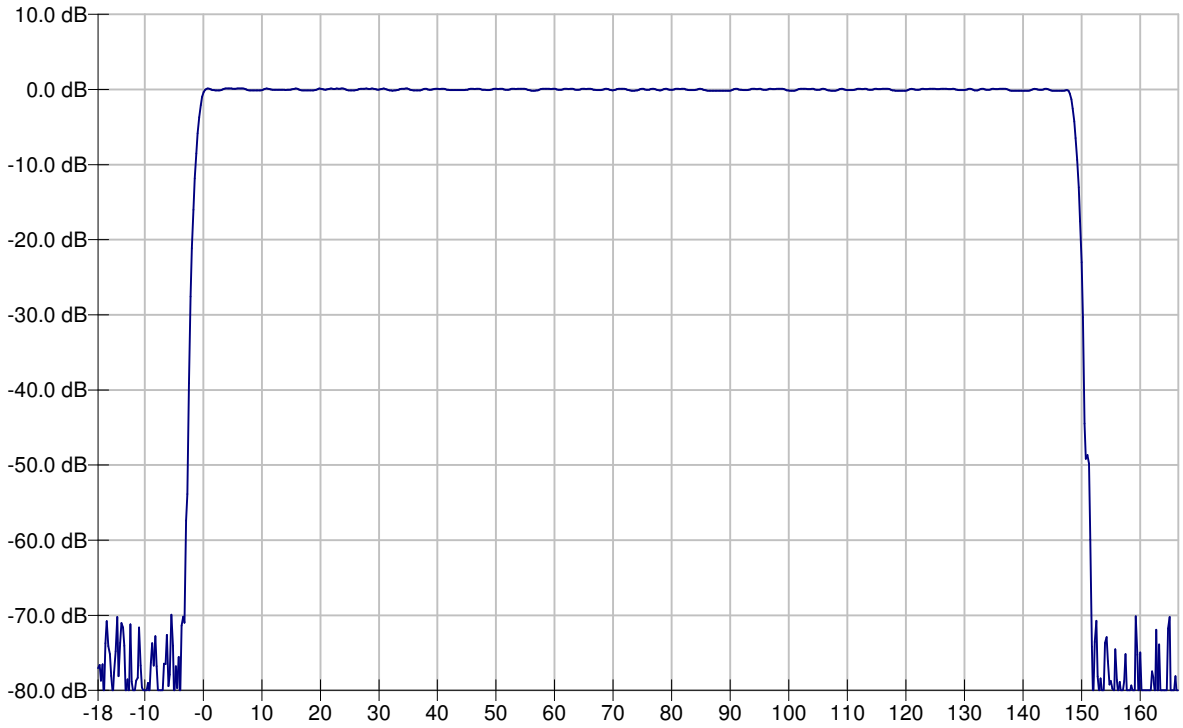

# Annex: Power Graphic

*Guard Level (dB): 3.0, Number of Slots: 1*



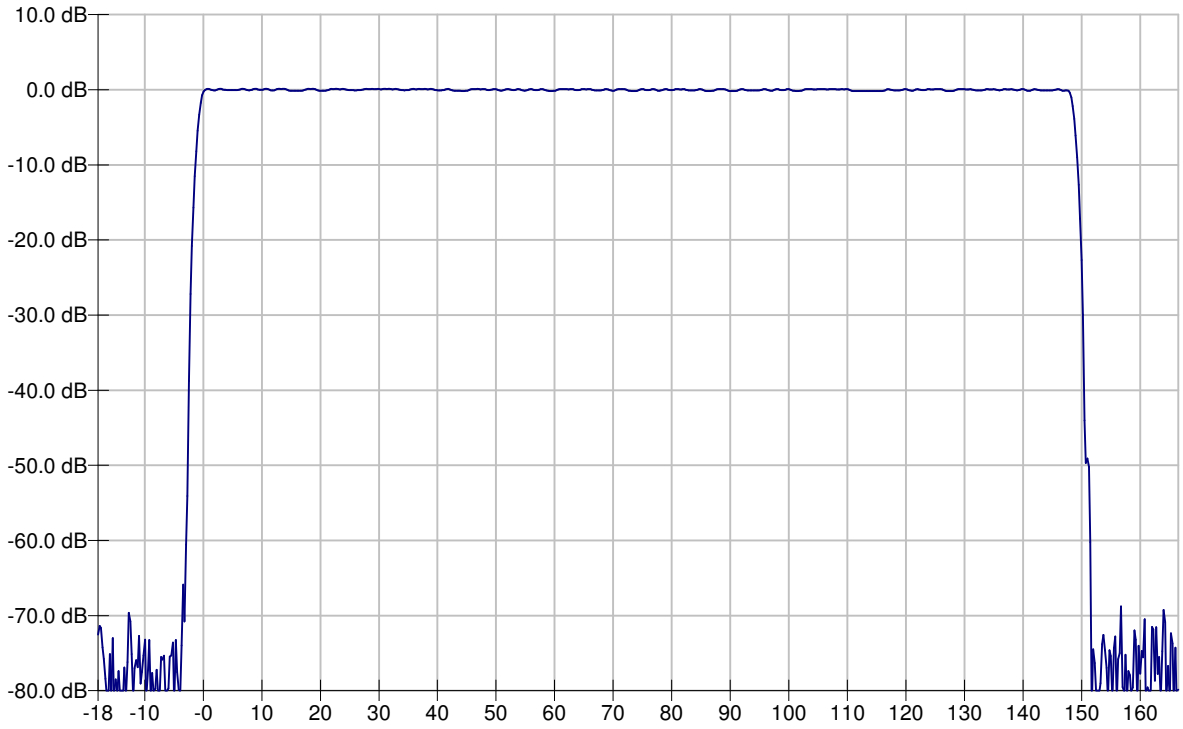
# Annex: Power Graphic

*Guard Level (dB): 3.0, Number of Slots: 1*



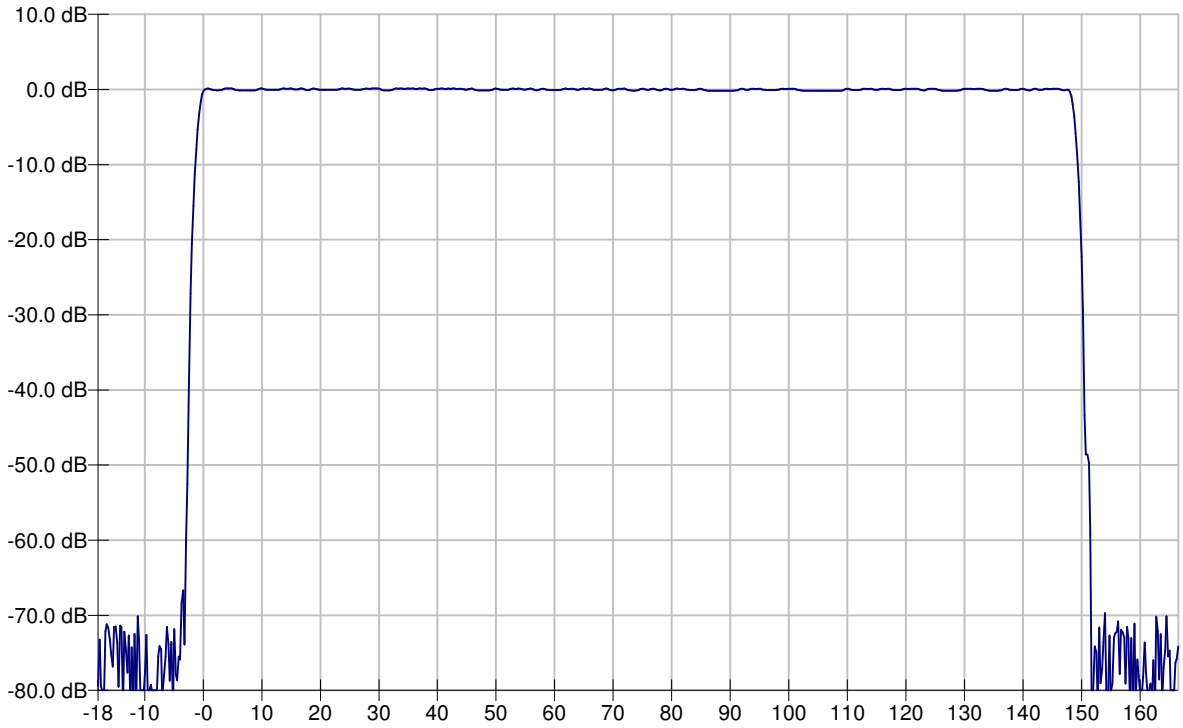

# Annex: Power Graphic

*Guard Level (dB): 3.0, Number of Slots: 1*



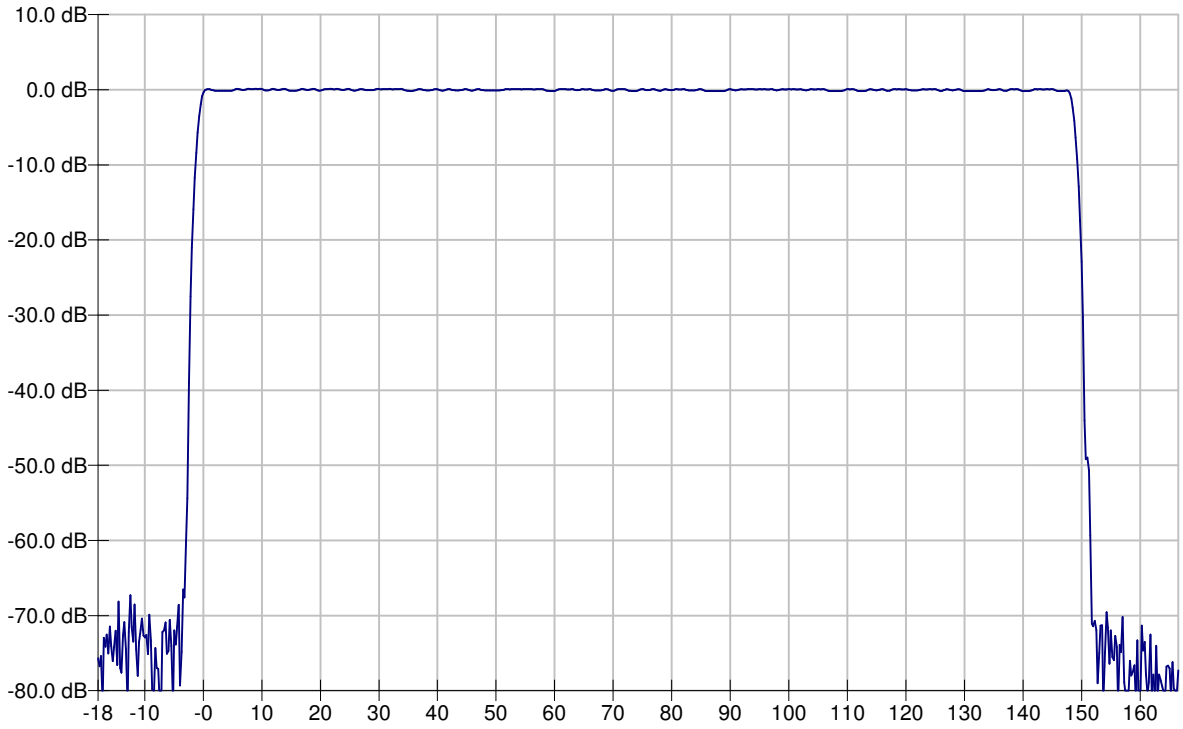
# Annex: Power Graphic

*Guard Level (dB): 3.0, Number of Slots: 1*



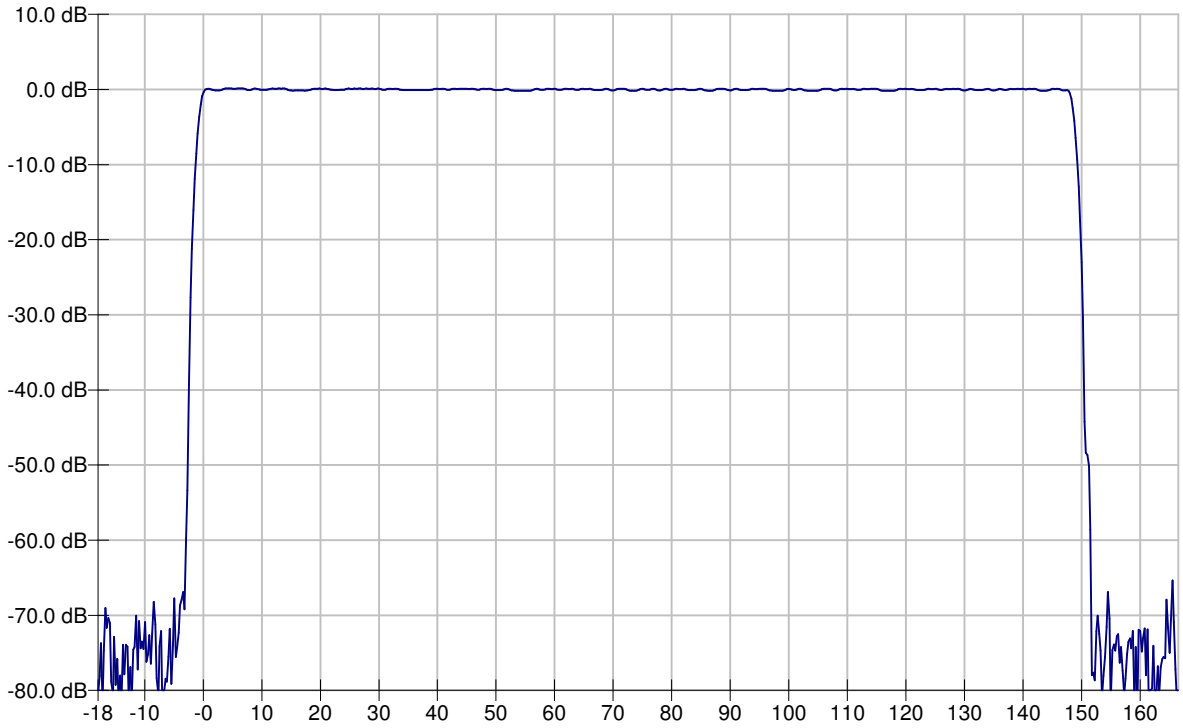

# Annex: Power Graphic

*Guard Level (dB): 3.0, Number of Slots: 1*



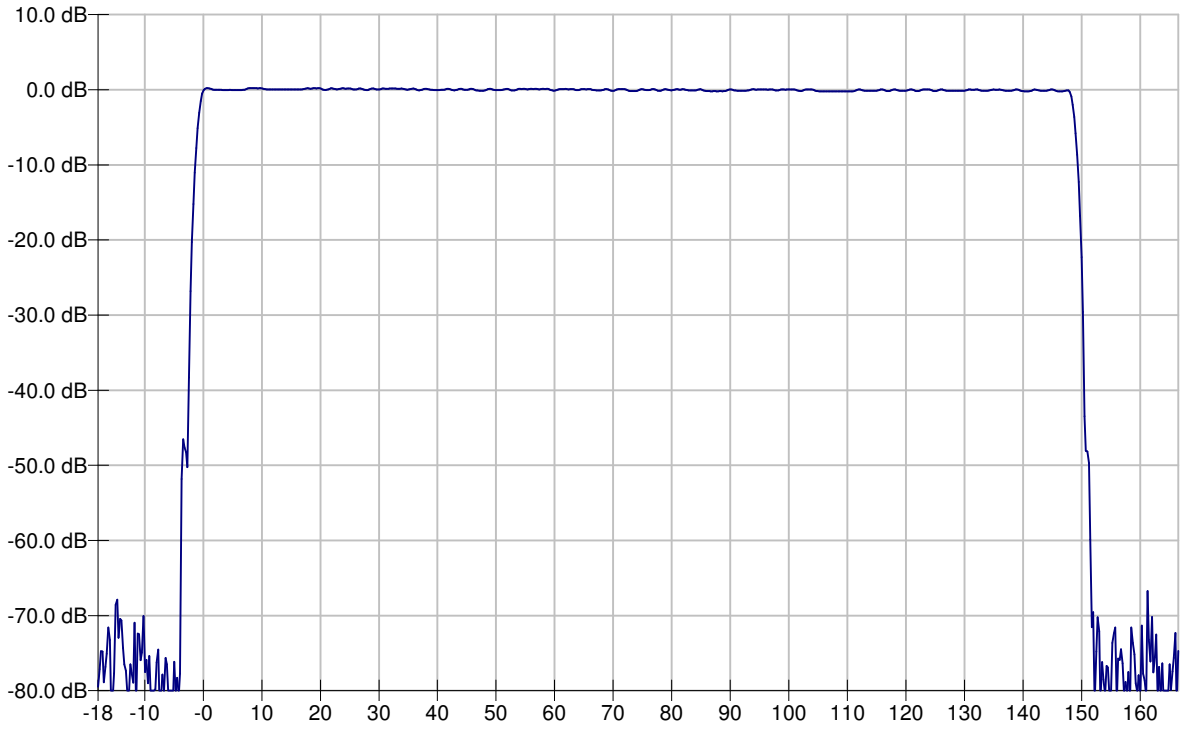
# Annex: Power Graphic

*Guard Level (dB): 3.0, Number of Slots: 1*



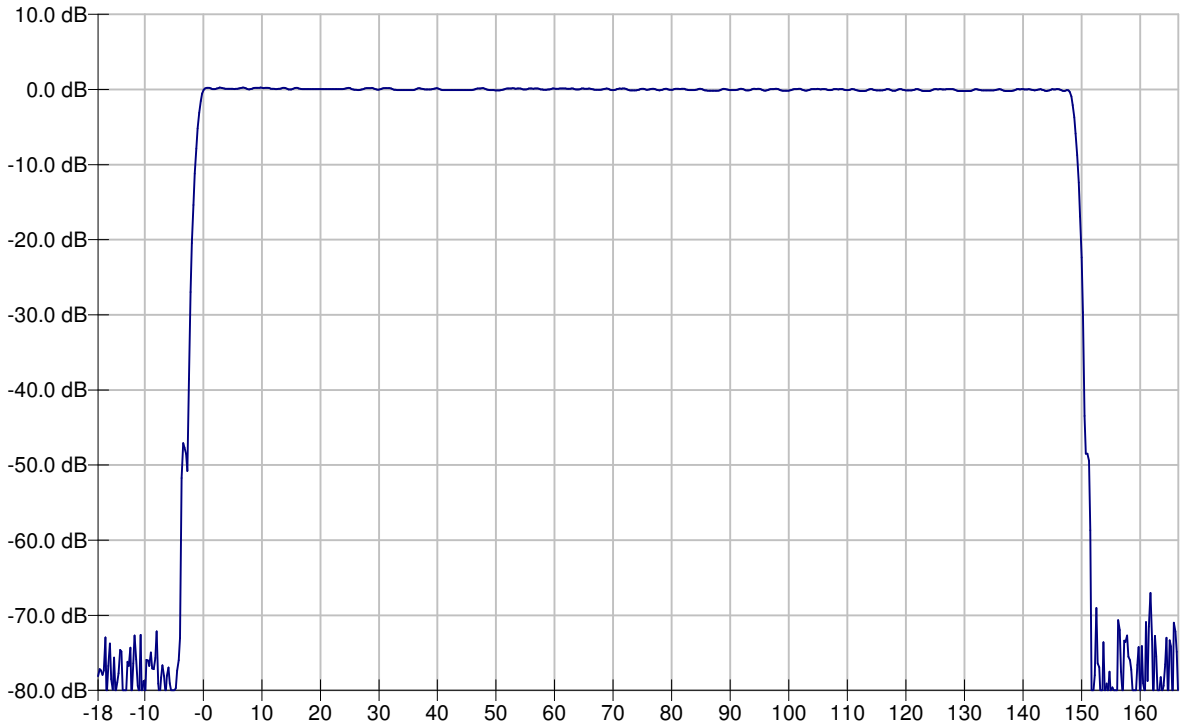

# Annex: Power Graphic

*Guard Level (dB): 3.0, Number of Slots: 1*



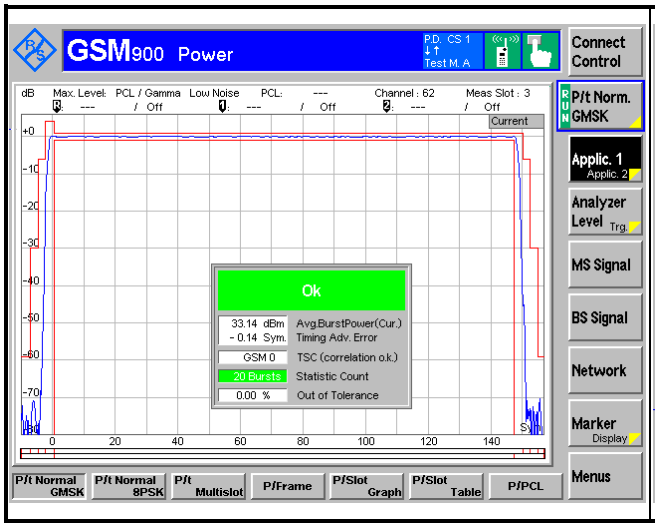
# Annex: Power Graphic

*Guard Level (dB): 3.0, Number of Slots: 1*

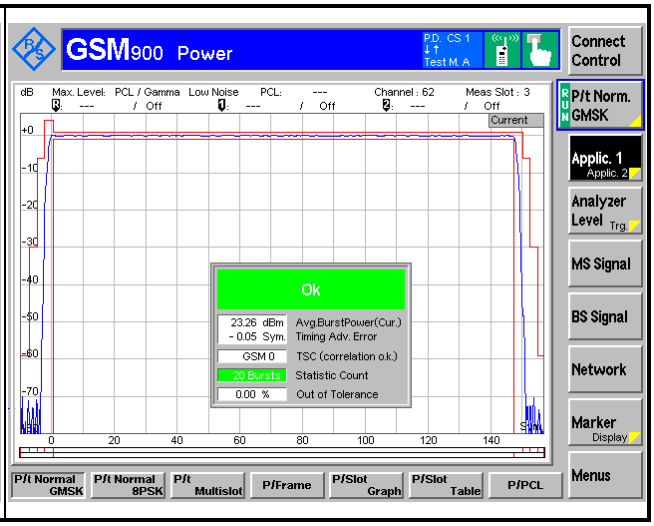


## ➢ 擷取叢訊功率

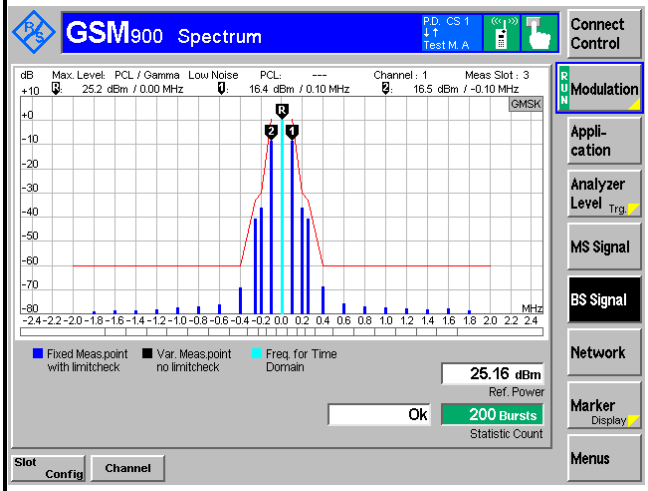
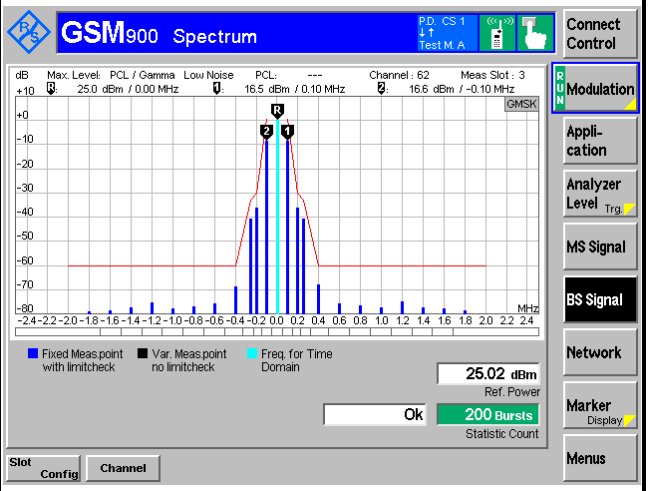
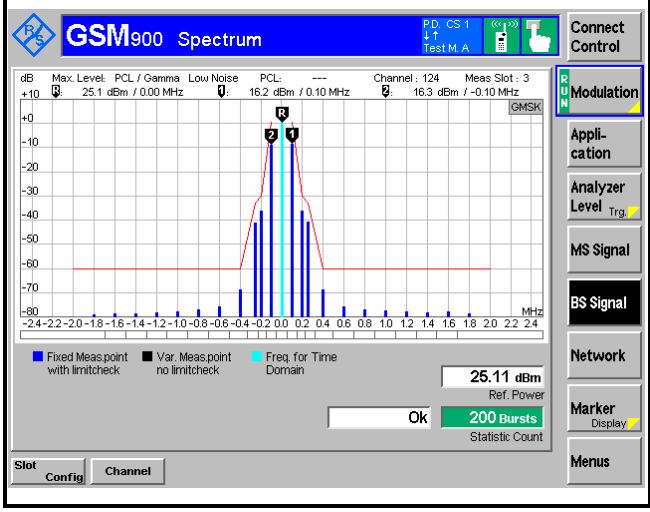
**NTNV, CH62, PCL 5 擷取叢訊發射機功率圖**

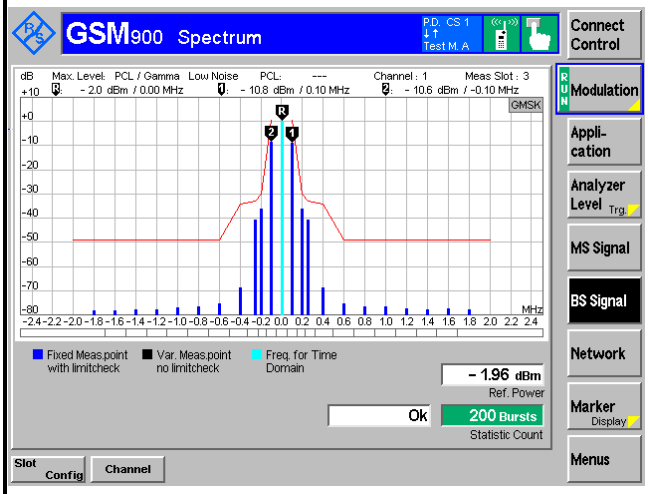
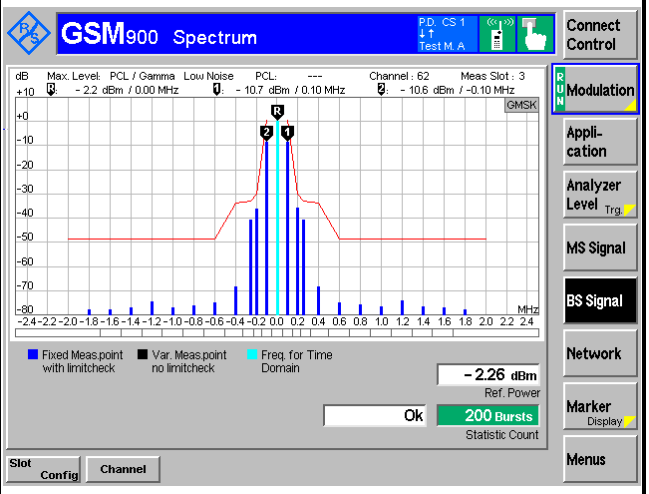
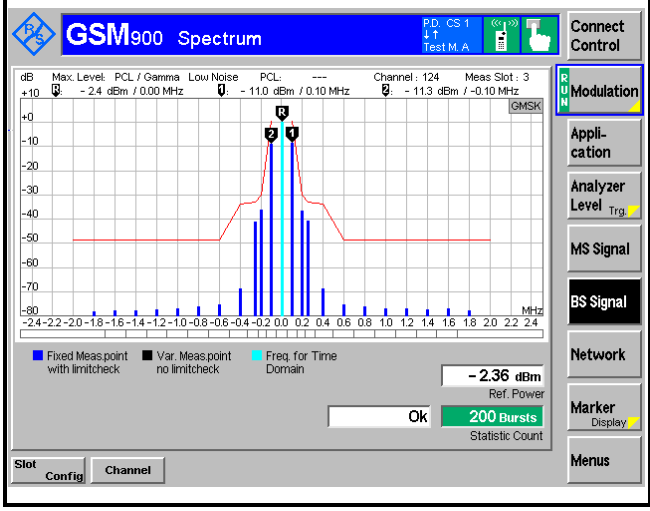


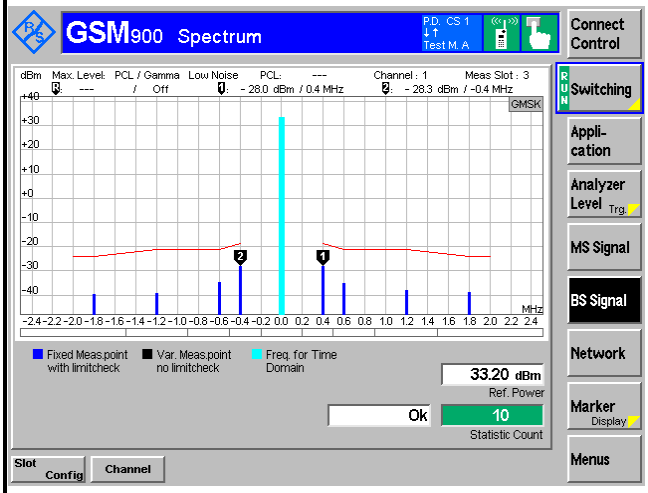
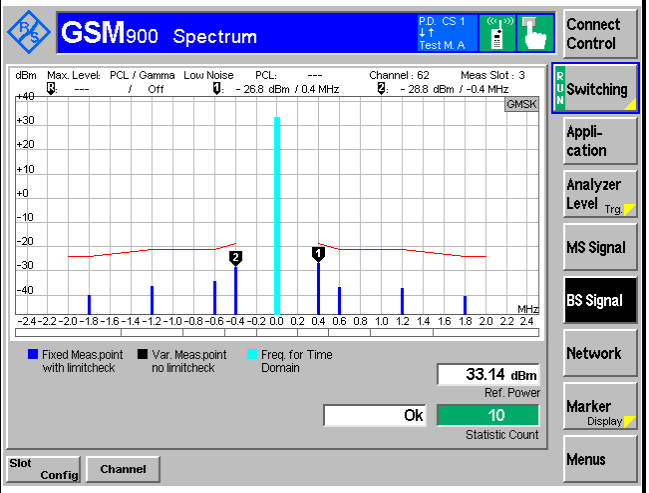
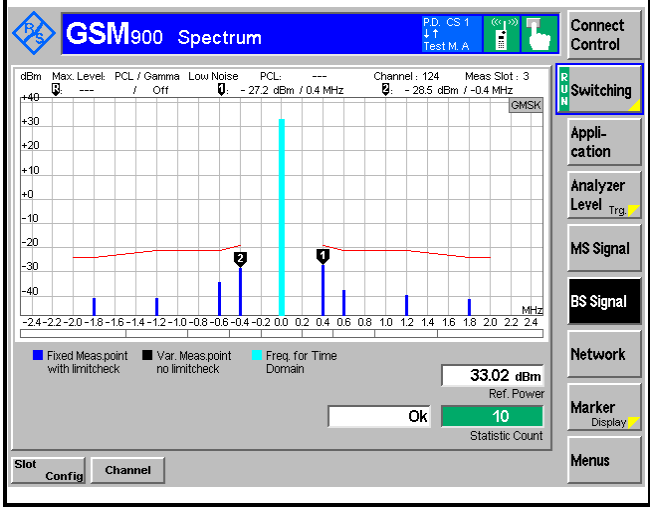

**NTNV, CH62, PCL 10 擷取叢訊發射機功率圖**

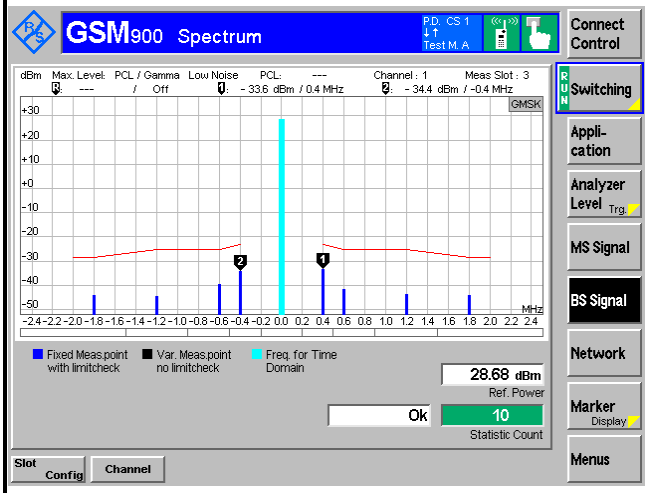
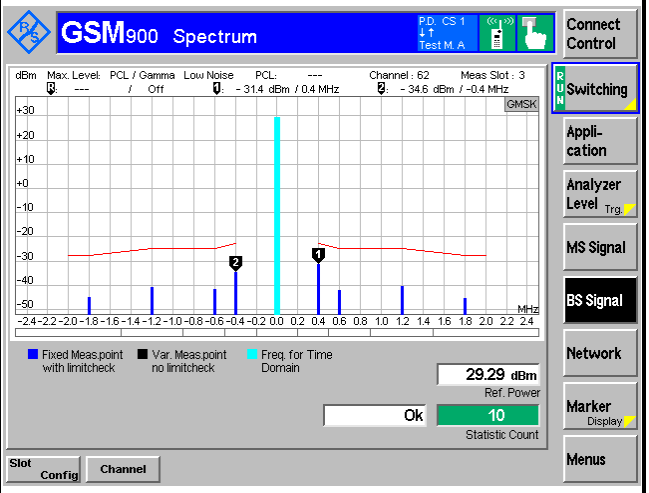
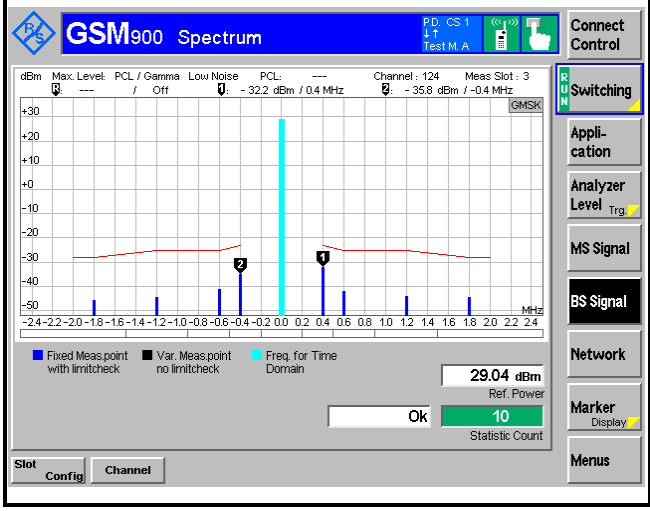


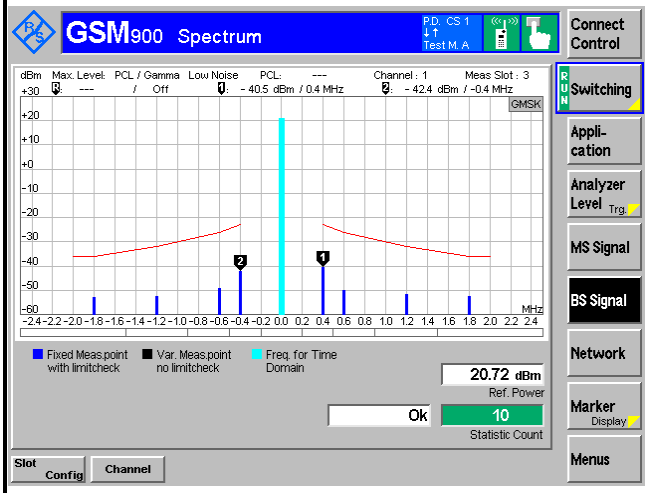
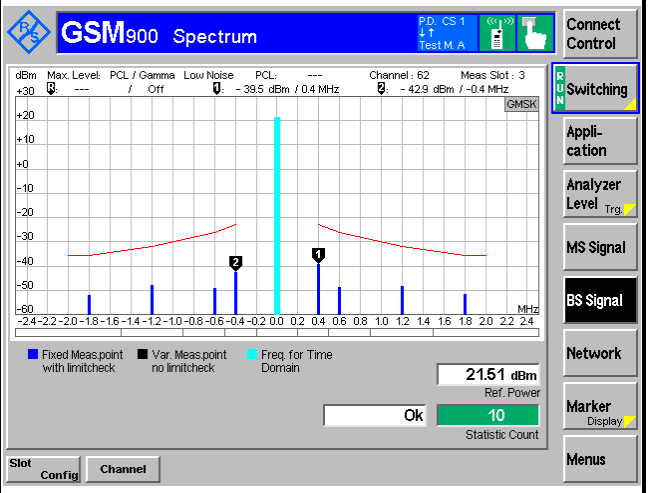
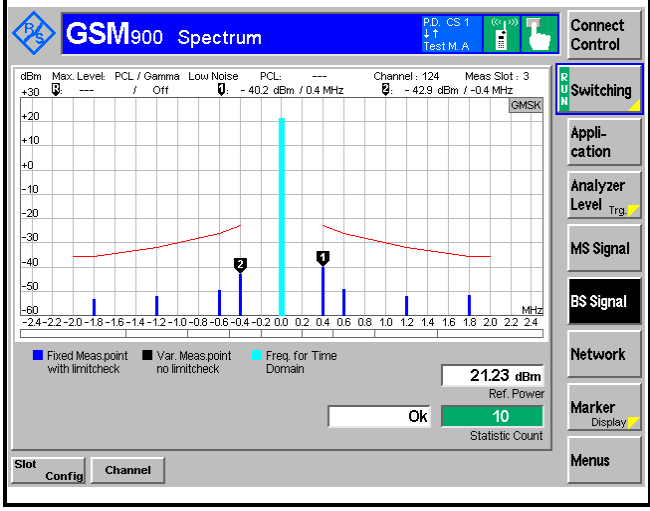
# 附錄 B. RF 輸出頻譜

| 調變頻譜 (Spectrum due to the modulation) | |
|---|---|
| Gamma 3 (PCL=5) | |
| CH. 01 | CH. 62 |
|  |  |
| CH. 124 | - |
|  | |

| 調變頻譜<br>(Spectrum due to the modulation) | |
|---|---|
| Gamma 17 (PCL=19) | |
| CH. 01 | CH. 62 |
|  |  |
| CH. 124 | - |
|  | |

| 功率轉換瞬態所產生之頻譜<br>(Spectrum due to switching transients)<br>Gamma 3 (PCL=5) | |
|---|---|
| CH. 01 | CH. 62 |
|  |  |
| CH. 124 | - |
|  | |

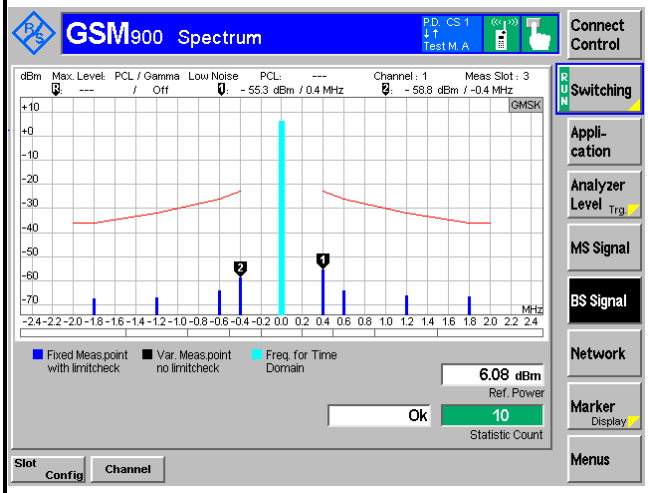
| 功率轉換瞬態所產生之頻譜<br>(Spectrum due to switching transients)<br>Gamma 5 (PCL=7) | |
|---|---|
| CH. 01 | CH. 62 |
|  |  |
| CH. 124 | - |
|  | |

| 功率轉換瞬態所產生之頻譜<br>(Spectrum due to switching transients)<br>Gamma 9 (PCL=11) | |
|---|---|
| CH. 01 | CH. 62 |
|  |  |
| CH. 124 | - |
|  | |

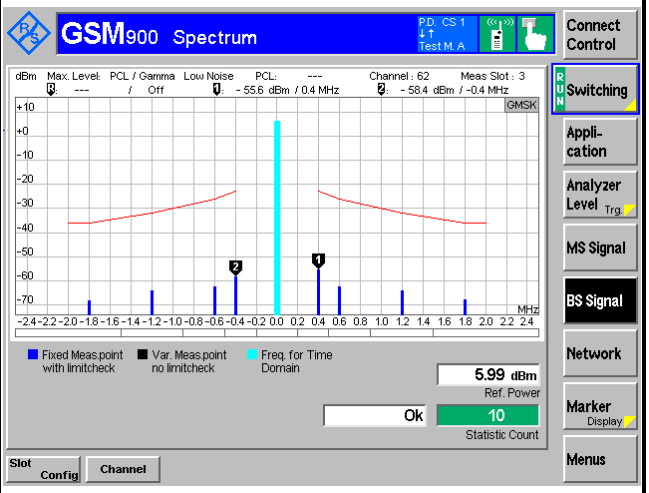
## 功率轉換瞬態所產生之頻譜
## (Spectrum due to switching transients)

### Gamma 17 (PCL=19)

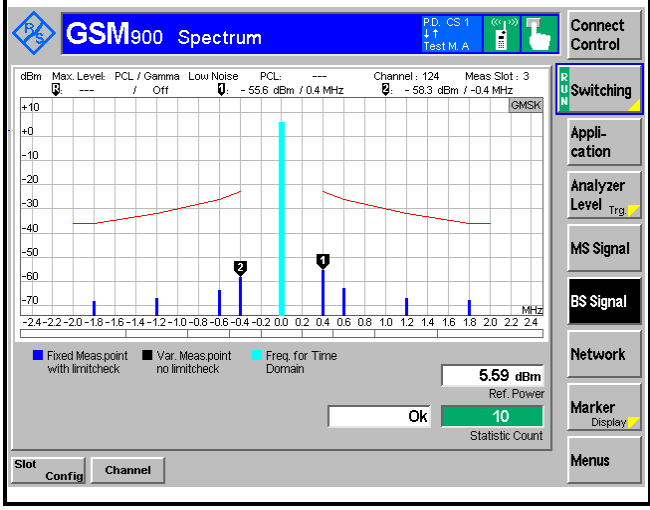
#### CH. 01




#### CH. 62




#### CH. 124

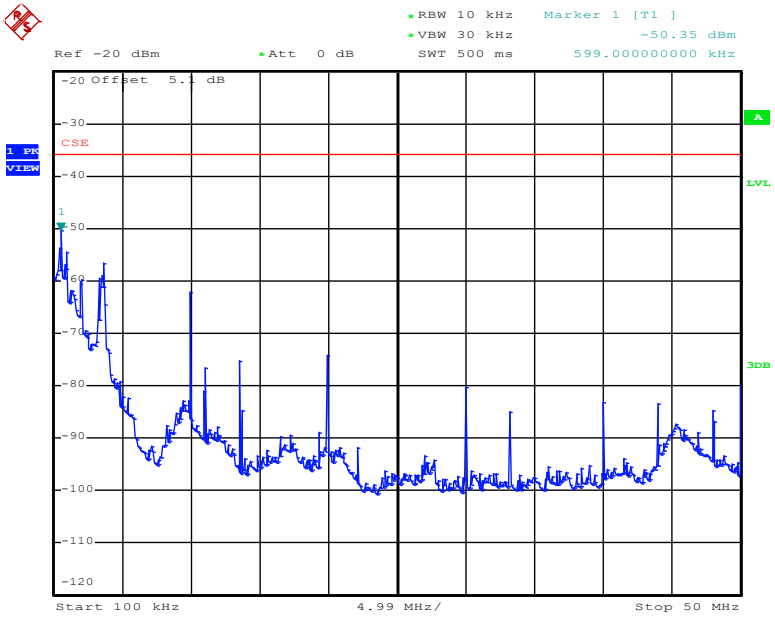



#### -

# 附錄 C. 混附波輻射連線狀態和空閒狀態檢驗數據

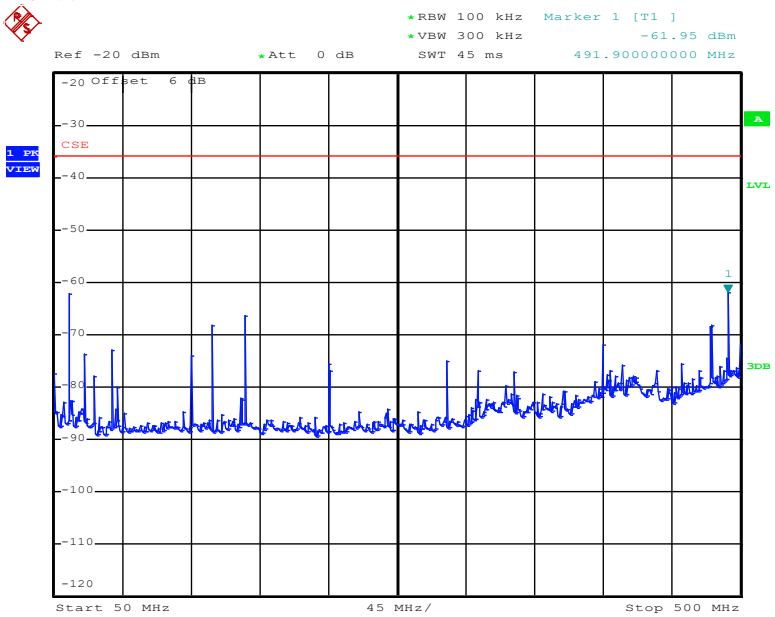
- **檢驗數據 for TX**

**頻段介於100KHz~50MHz**



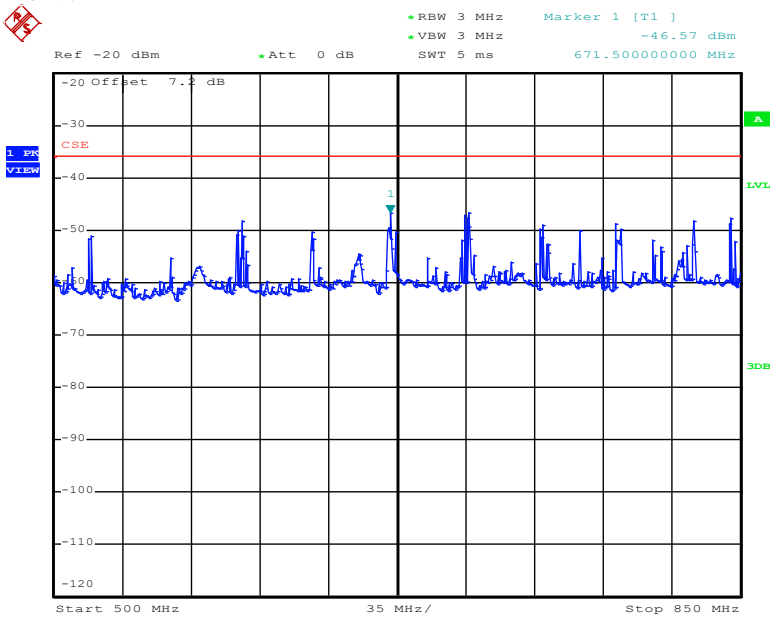

Date: 27.JAN.2021 11:04:02

**頻段介於50MHz~500MHz**



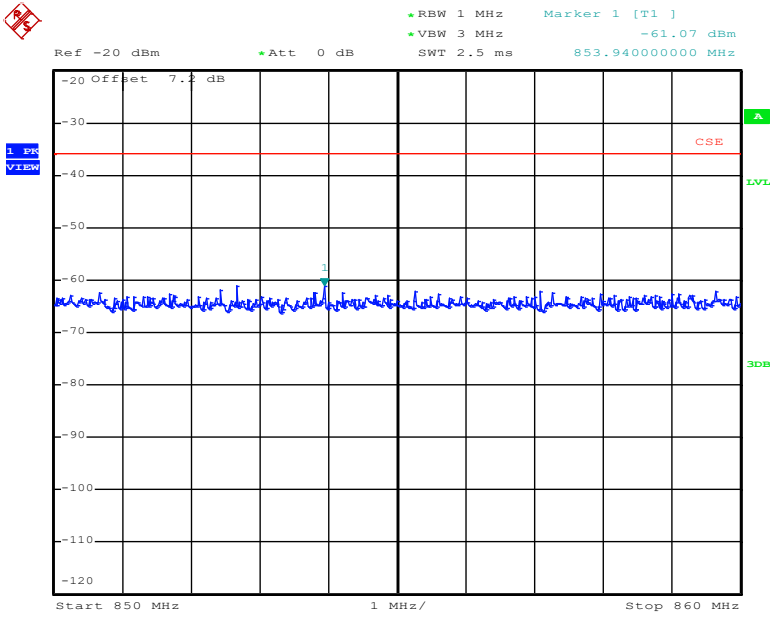

Date: 27.JAN.2021 11:04:11

**頻段介於500MHz~850MHz**



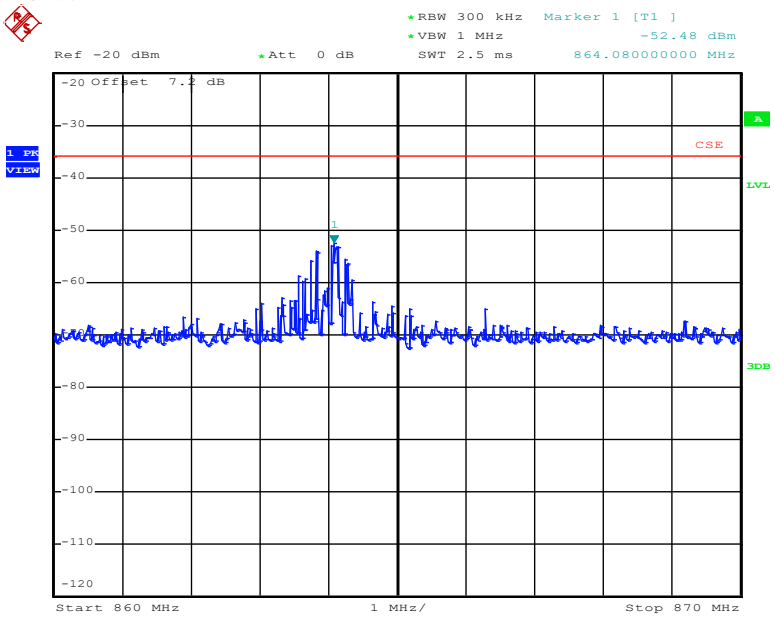

Date: 27.JAN.2021 11:04:21

**頻段介於850MHz~860MHz**



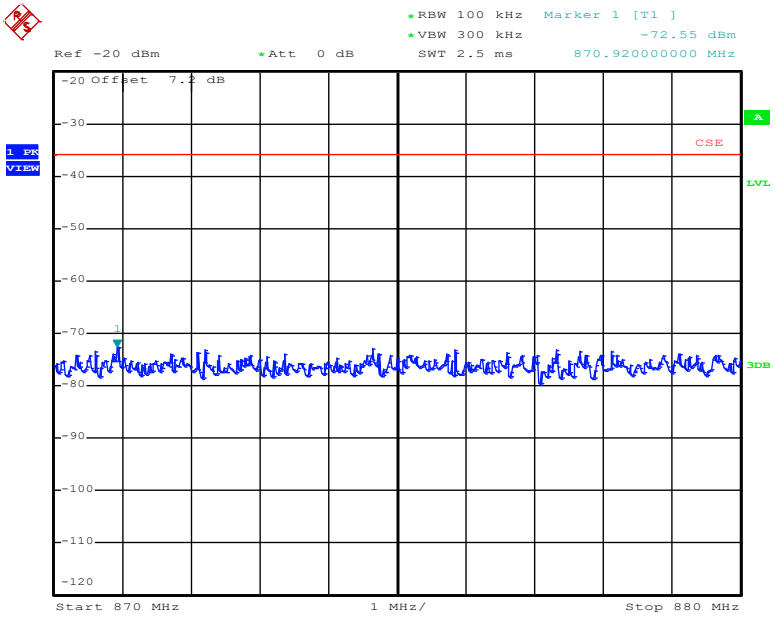

Date: 27.JAN.2021 11:04:31

**頻段介於860MHz~870MHz**



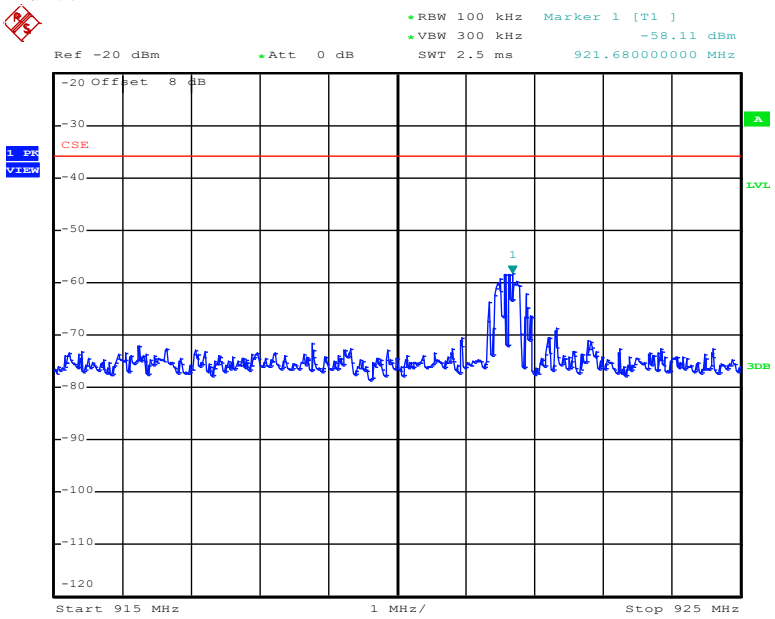

Date: 27.JAN.2021 11:04:40

**頻段介於870MHz~880MHz**



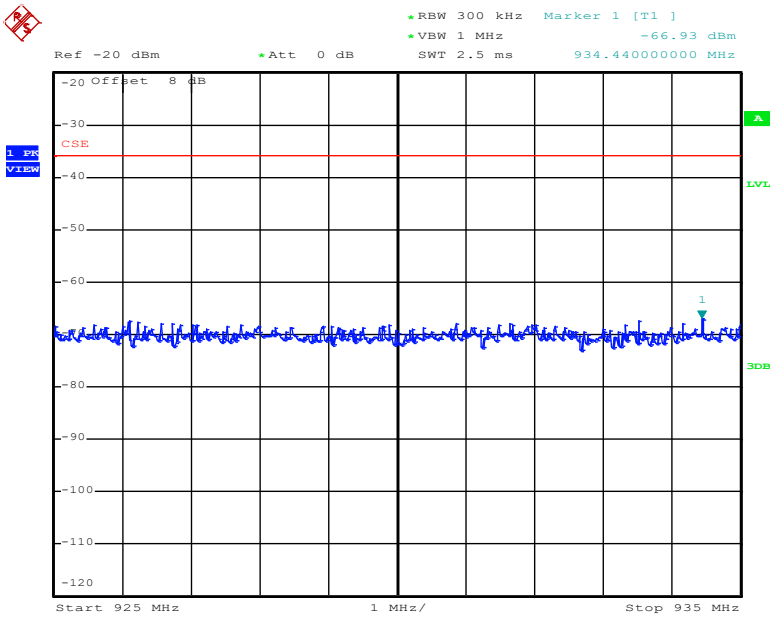

Date: 27.JAN.2021 11:04:50

**頻段介於915MHz~925MHz**



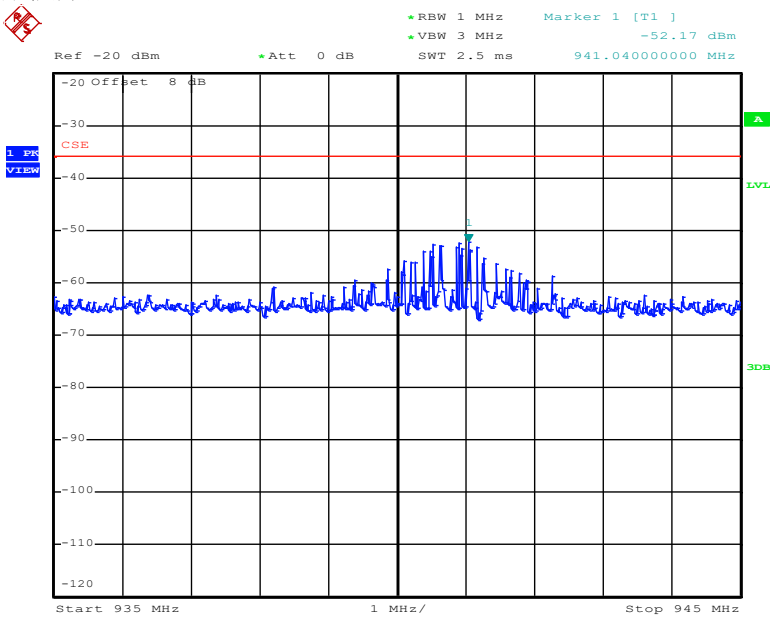

Date: 27.JAN.2021 11:04:59

**頻段介於925MHz~935MHz**



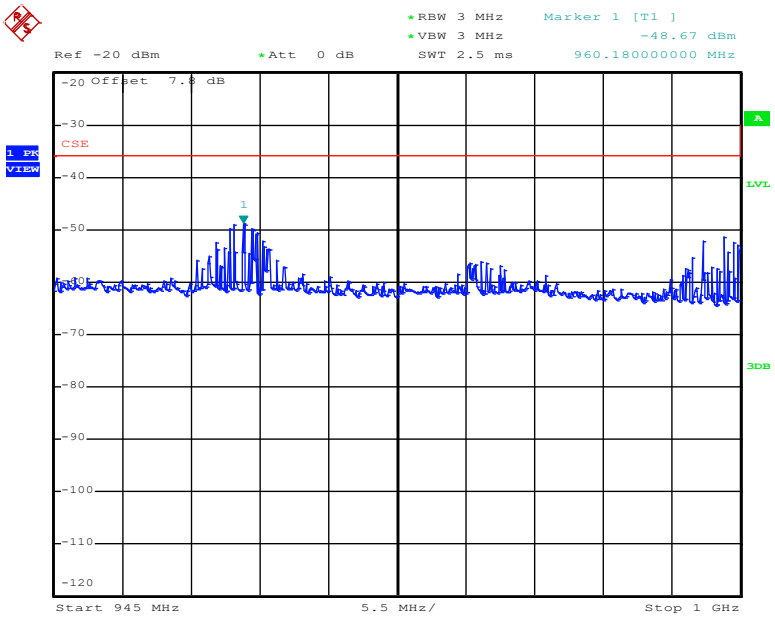

Date: 27.JAN.2021 11:05:08

**頻段介於935MHz~945MHz**



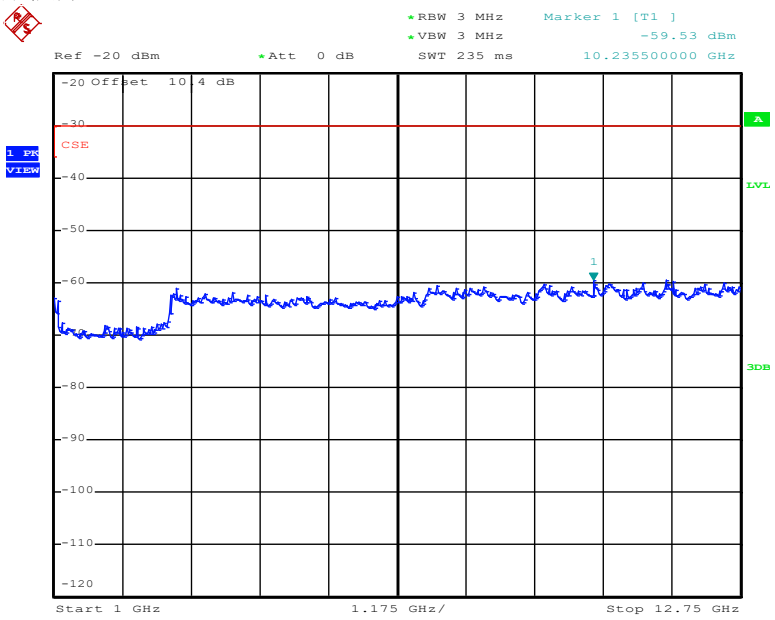

Date: 27.JAN.2021 11:05:18

**頻段介於945 MHz~1GHz**




Date: 27.JAN.2021 11:05:27

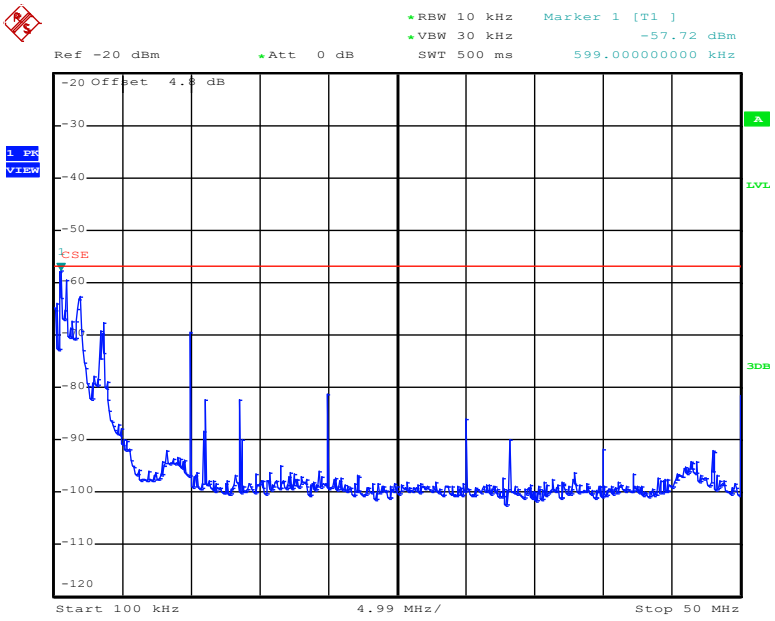
**頻段介於1GHz~12.75GHz**




Date: 27.JAN.2021 11:05:49

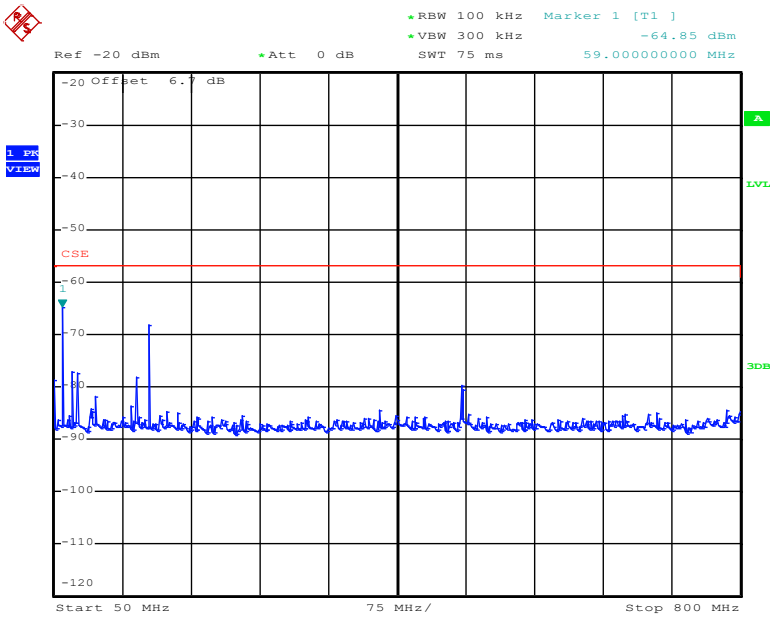
➢ **檢驗數據 for RX**

**頻段介於100KHz~50MHz**



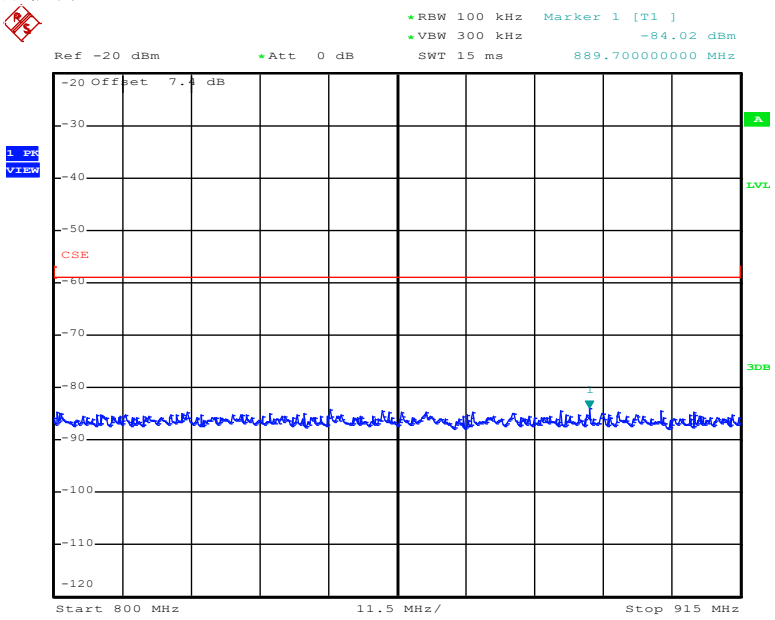

Date: 27.JAN.2021 13:43:05

**頻段介於50MHz ~ 800MHz**



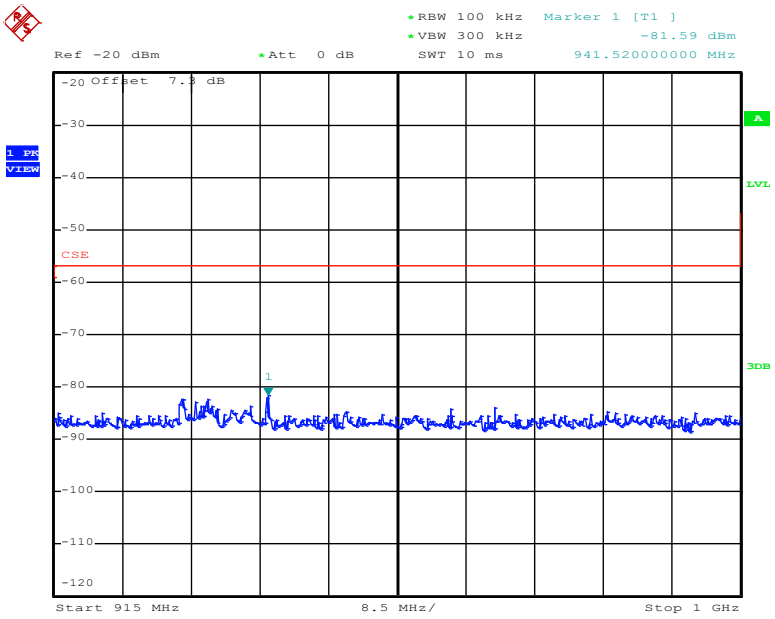

Date: 27.JAN.2021 13:43:14

頻段介於800MHz~915MHz



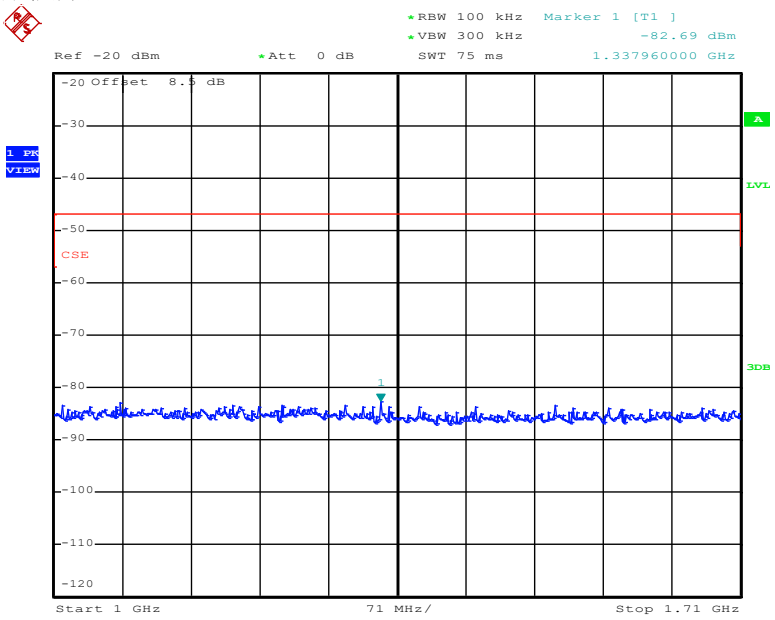

Date: 27.JAN.2021 13:43:24

頻段介於915MHz~1GHz



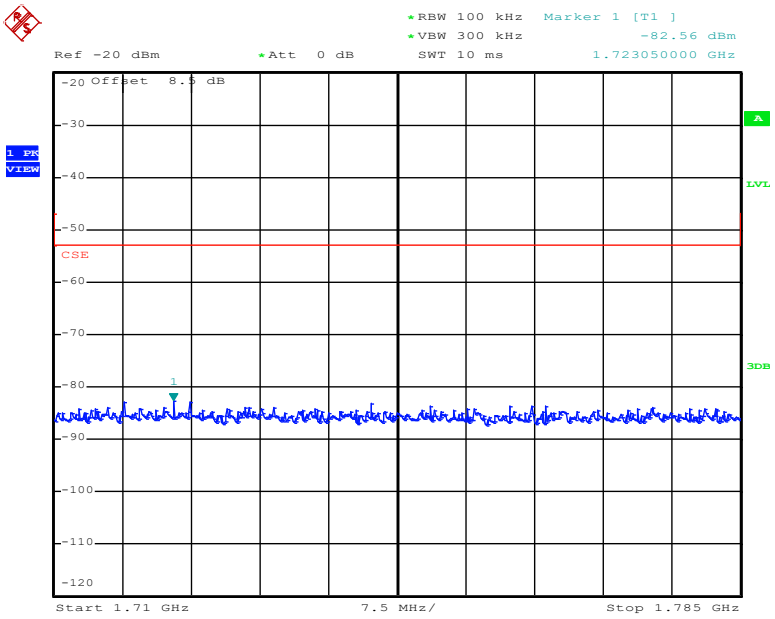

Date: 27.JAN.2021 13:43:34

頻段介於1GHz~1.71GHz



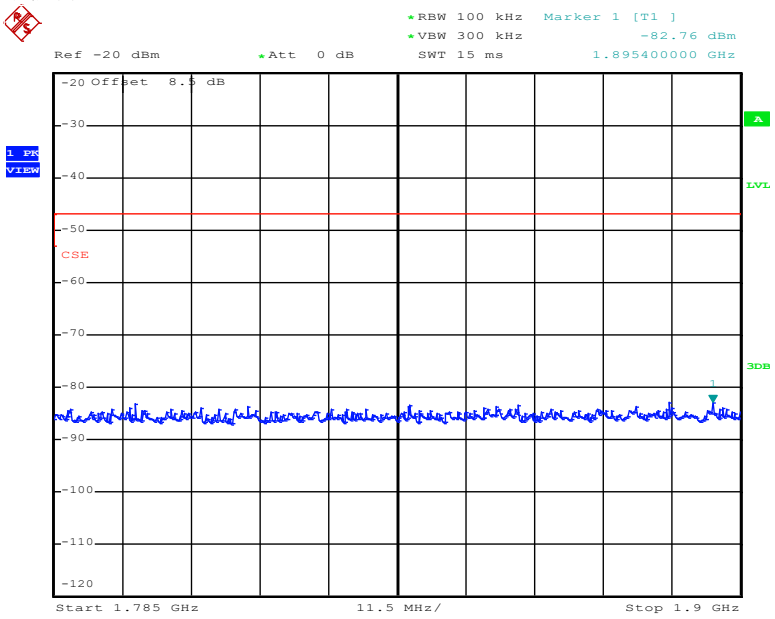

Date: 27.JAN.2021 13:43:55

頻段介於1.71GHz~1.785GHz



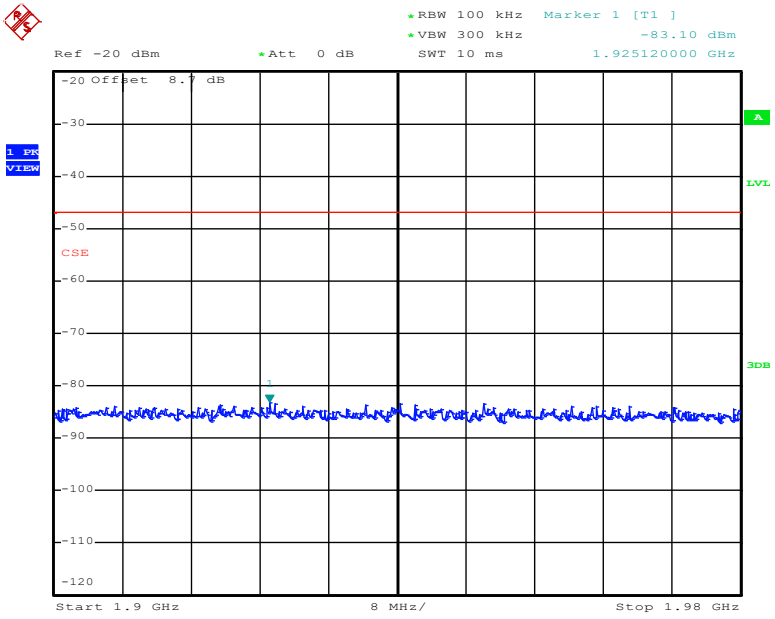

Date: 27.JAN.2021 13:44:05

**頻段介於1.785GHz~1.9GHz**



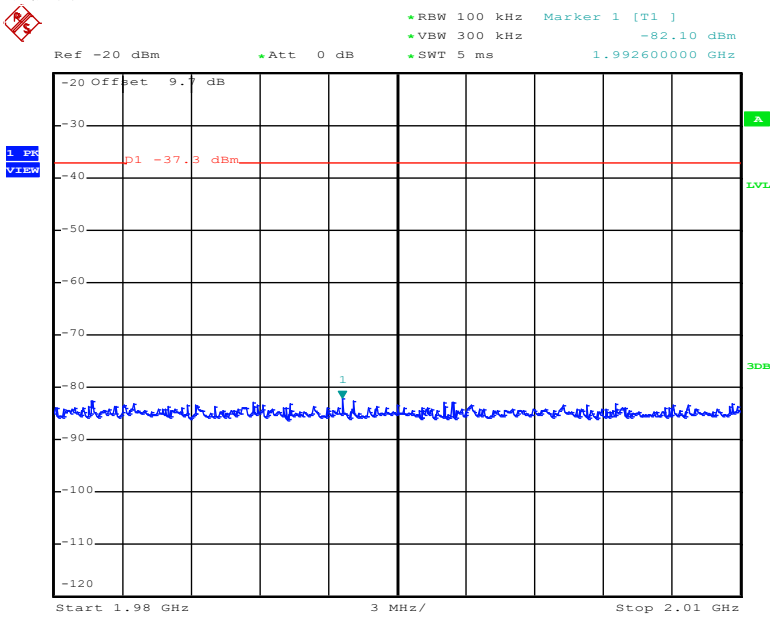

Date: 27.JAN.2021 13:44:14

**頻段介於1.9GHz~1.98GHz**



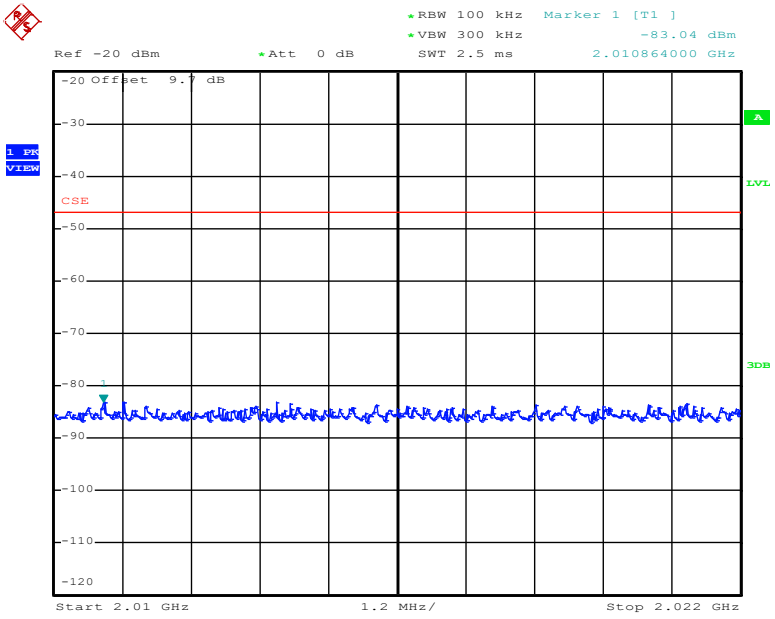

Date: 27.JAN.2021 13:44:24

**頻段介於1.98GHz~2.01GHz**



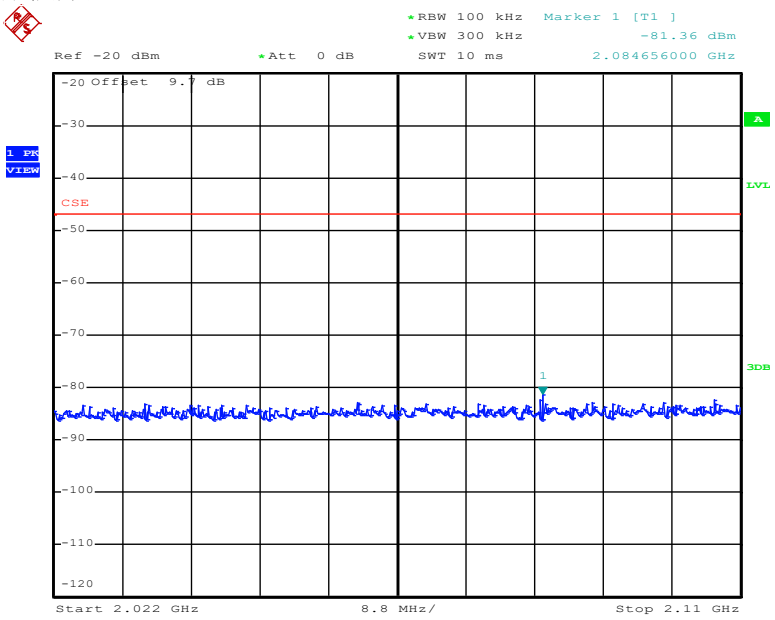

Date: 27.JAN.2021 13:58:50

**頻段介於2.01GHz~2.022GHz**



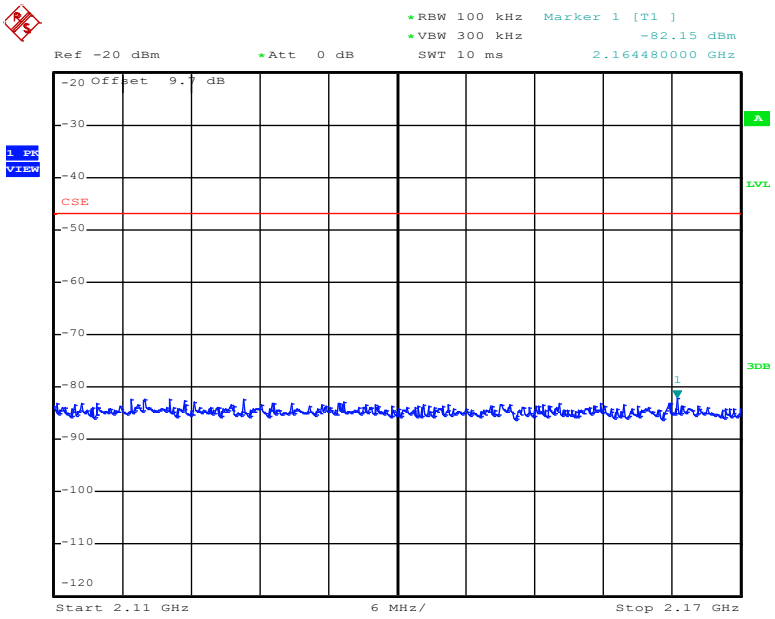

Date: 27.JAN.2021 13:44:43

**頻段介於2.022GHz~2.11GHz**



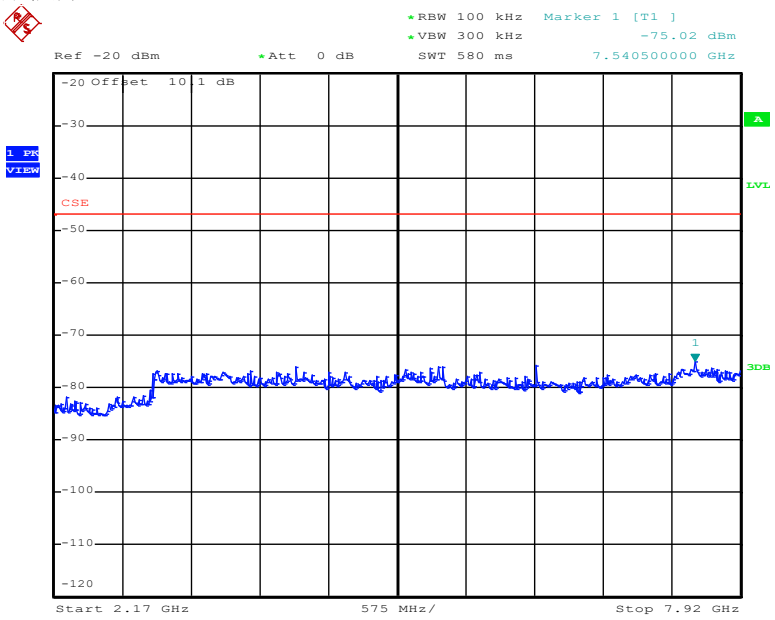

Date: 27.JAN.2021 13:44:53

**頻段介於2.11GHz~2.17GHz**



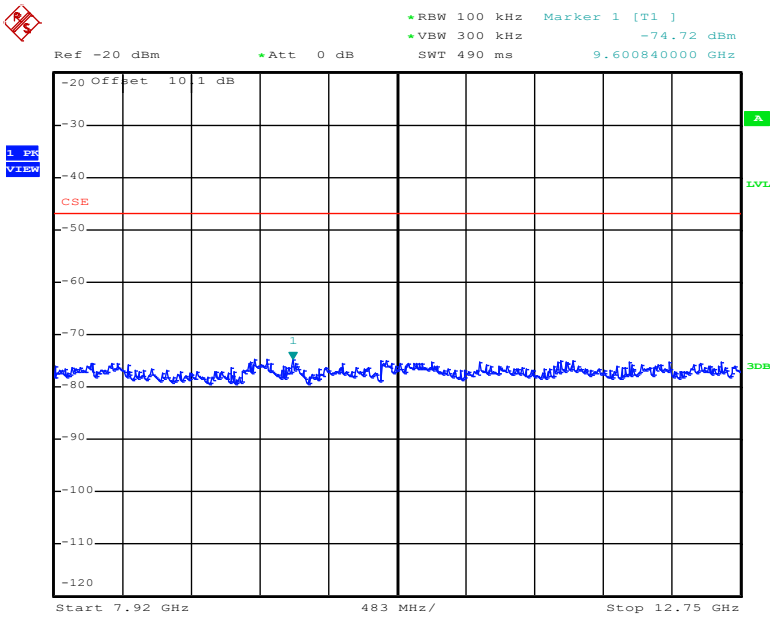

Date: 27.JAN.2021 13:45:02

頻段介於2.17GHz~7.92GHz




Date: 27.JAN.2021 13:45:12

頻段介於7.92GHz~12.75GHz




Date: 27.JAN.2021 13:45:21

# 附錄 D. 測試架設圖

架設照

EUT近照

———完———