行動通信電信終端設備檢驗報告

產品名稱 ：**E3000-5GB** 無線路由器

廠　　牌 ：**Cradlepoint**

型　　號 ：**S5A111A**

申請廠商 ：奧瑞國際有限公司
台北市中正區羅斯福路二段 **14** 號 **2** 樓

製造廠商 ：奧瑞國際有限公司
台北市中正區羅斯福路二段 **14** 號 **2** 樓

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 **110** 年 **7** 月 **12** 日。
- 於民國 **110** 年 **7** 月 **15** 日開始測試，民國 **110** 年 **7** 月 **16** 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

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
TM9O2202-19	01	初版	2022 年 2 月 17 日
TM9O2202-19	02	Revise Specification of Accessory and antenna information	2022 年 2 月 22 日

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	6.4.1	工作頻帶/ 收發頻率間隔/ 標稱頻道間隔	符合	-
附錄 A	6.4.2	最大發射輸出功率	符合	Band 1: 24.47 dBm Band 3: 24.91 dBm Band 8: 24.48 dBm
附錄 A	6.4.3	頻率穩定度	符合	Band 1: 0.0113 PPM Band 3: 0.0114 PPM Band 8: 0.0111 PPM
附錄 A	6.4.4	功率控制狀態下之 最小平均輸出功率	符合	Band 1: -55.73 dBm Band 3: -55.39 dBm Band 8: -55.95 dBm
附錄 A	6.4.5	佔用頻道頻寬	符合	-
附錄 A	6.4.6	發射頻譜波罩	符合	-
附錄 A	6.4.7	相鄰頻道洩漏功率比(ACLR)	符合	
附錄 A	6.6.2	電波功率密度	符合	-
附錄 B	6.4.8	混附波輻射	符合	-
附錄 C	6.10	災防告警細胞廣播 訊息接收功能	不適用	-

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: 李安傑
報告製作: 邱偉綾

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

WCDMA/LTE/5G NR

Product Specification subjective to this standard	
IMEI Code	350884580106584
Tx Frequency	WCDMA Band I: 1920 MHz ~ 1980 MHz WCDMA Band III: 1710 MHz ~ 1785 MHz WCDMA Band VIII: 885 MHz ~ 915 MHz
Rx Frequency	WCDMA Band I: 2110 MHz ~ 2170 MHz WCDMA Band III: 1805 MHz ~ 1880 MHz WCDMA Band VIII: 930 MHz ~ 960 MHz
Type of Modulation	BPSK / QPSK / 16QAM / 64QAM

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

Antenna Information				
Antenna	**Brand Name**	Cradlepoint	**Peak Gain**	WCDMA Band I: 1.34 dBi WCDMA Band III: 0.86 dBi WCDMA Band VIII: 1.42 dBi
	Model Name	170760-000	**Type**	Dipole Antenna

Remark:

1. The detail internal, external and transmit antenna photo please refer to Sporton report no.: EP9O2202-19.
2. The above EUT's information was declared by manufacturer. Please refer to Comments and Explanations in report summary.

Specification of Accessory		
AC Adapter	Brand Name	FSP
	Model Name	FSP180-AWAN3
Power cable	Brand Name	Luxshare-Ict
	Model Name	A12-0127-AC2+A12-0120-AC2
Power cable	Brand Name	Yung Li
	Model Name	YP-12
WLAN Antenna	Brand Name	WNC
	Model Name	08.22100.011
WWAN Antenna	Brand Name	Cradlepoint
	Model Name	170760-000
壁掛支架*2	Brand Name	WNC
	Model Name	170812-000
天線固定支架	Brand Name	WNC
	Model Name	500072-000
Battery	Brand Name	maxell
	Model Name	CR2032

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 TEL: +886-3-3273456 / FAX: +886-3-3284978
耕興場地編號	TH03-HY

Test Item: Conducted	
Test Engineer	Oscar Chi
Ambient Temperature	23~24°C
Relative Humidity	50~51%

1.4 測試頻道

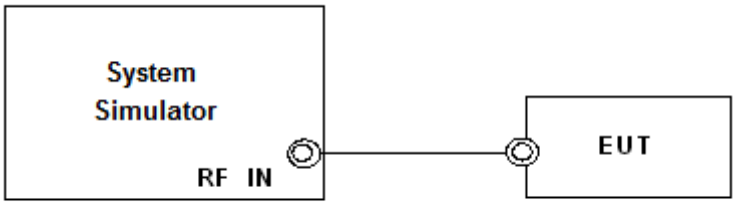
操作頻段		低頻道	中間頻道	高頻道
■	WCDMA Band I	9612	9750	9888
■	WCDMA Band III	937	1113	1288
■	WCDMA Band VIII	2737	2800	2863

2. 一般特性檢驗

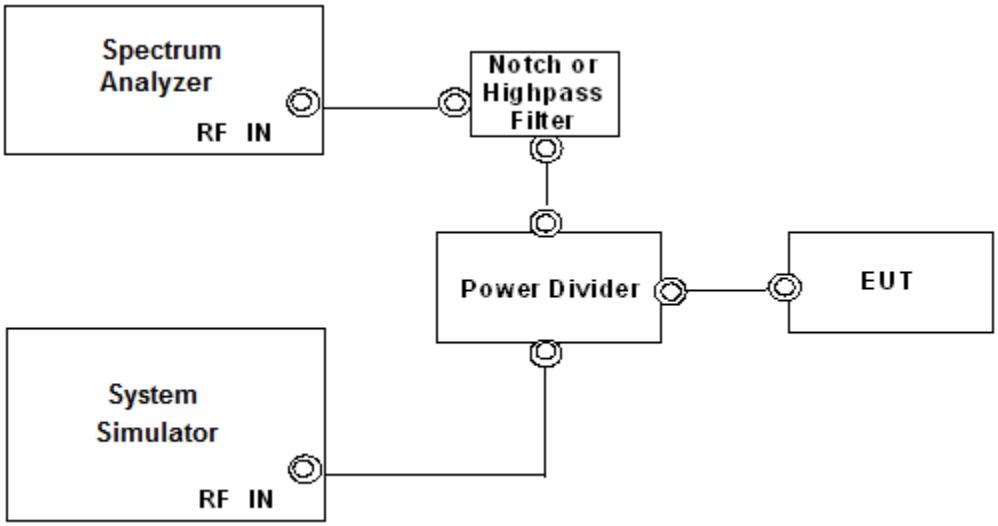
項次	檢驗項目	合格標準
1	工作頻帶	限制值參照5.1
	收發頻率間隔	
	標稱頻道間隔	
2	最大發射輸出功率	限制值參照5.2
3	頻率穩定度	±0.1百萬分之一(PPM)之內
4	功率控制狀態下之最小平均輸出功率	≦-50dBm (in one time slot)
5	佔用頻道頻寬	≦5 MHz
6	發射頻譜波罩	限制值參照5.3
7	相鄰頻道洩漏功率比	相鄰頻道偏移±5 MHz 相鄰頻道洩漏功率限制33 dB 相鄰頻道偏移±10 MHz 相鄰頻道洩漏功率限制43 dB
8	電波功率密度	限制值參照5.5
9	電壓條件	參照5.6
10	混附波輻射	限制值參照5.4
11	災防告警細胞廣播訊息接收功能	符合PLMN ALL規範6.10規定

3. 檢驗接續圖

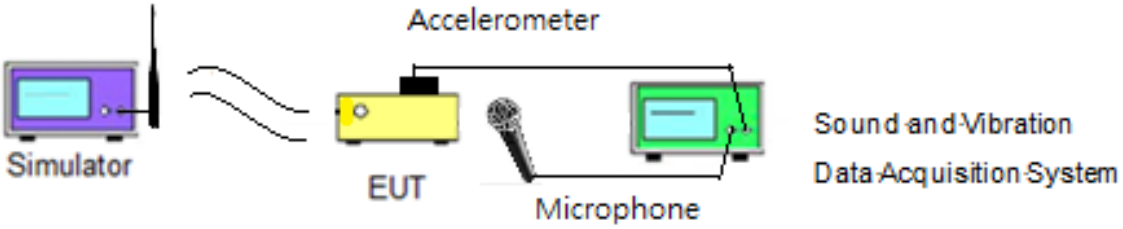
檢驗項目：**1~7**



檢驗項目：**8~10**



檢驗項目：**11**



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	Jul. 15, 2021~ Jul. 16, 2021	Sep. 02, 2021	Conducted (TH03-HY)
Base Station (Measure)	Rohde & Schwarz	CMU200	117997	GSM / GPRS / WCDMA / CDMA	Sep. 22, 2020	Jul. 15, 2021~ Jul. 16, 2021	Sep. 21, 2021	Conducted (TH03-HY)
Power Divider	Warison	WCOU-0.4-26. 5S-20	#A	N/A	Nov. 02, 2020	Jul. 15, 2021~ Jul. 16, 2021	Nov. 01, 2021	Conducted (TH03-HY)
AC Power Source	ChainTek	APC-1000W	N/A	N/A	N/A	Jul. 15, 2021~ Jul. 16, 2021	N/A	Conducted (TH03-HY)
Temperature Chamber	ESPEC	SH-641	92013720	-40℃ ~90℃	Sep. 14, 2020	Jul. 15, 2021~ Jul. 16, 2021	Sep. 13, 2021	Conducted (TH03-HY)

5. 量測設定及限制值

5.1 工作頻帶、收發頻率間隔、標稱頻道間隔限制值

檢 驗 項 目	Band 1	Band 3	Band 8
工作頻帶 (frequency bands)	Tx：1920 -1980MHz Rx：2110 -2170MHz	Tx：1710 -1785MHz Rx：1805 -1880MHz	Tx：885 -915MHz Rx：930 -960MHz
收發頻率間隔 (TX-RX frequency separation)	190 MHz	95 MHz	45 MHz
標稱頻道間隔 (channel spacing)	5 MHz		

5.2 最大發射輸出功率限制值

最大發射輸出功率	Band 1	Band 3		Band 8
Power class 1	33 dBm +1.7/-3.7 dB	-		-
Power class 2	27 dBm +1.7/-3.7 dB	-		-
Power class 3	24 dBm +1.7/-3.7 dB			
Power class 4	21 dBm +2.7/-2.7 dB			

5.3 發射頻譜波罩限制值

量測濾波器中心載波頻率偏移量Δf (MHz)	最大允許值		量測頻寬
	相對允許值(dBc)	絕對允許值(dBm)	
2.5 – 3.5	$\left\{-35-15\cdot\left(\frac{\Delta f}{MHz}-2.5\right)\right\}dBc$	-71.1	30 千赫(kHz)
3.5 – 7.5	$\left\{-35-1\cdot\left(\frac{\Delta f}{MHz}-3.5\right)\right\}dBc$	-55.8	1 MHz
7.5 – 8.5	$\left\{-39-10\cdot\left(\frac{\Delta f}{MHz}-7.5\right)\right\}dBc$	-55.8	1 MHz
8.5 – 12.5	-49 dBc	-55.8	1 MHz

註：最大允許值取相對允許值及絕對允許值較大者。

5.4 混附波輻射設定及限制值

頻率範圍	量測頻寬	最大允許值
9 kHz ≦ f < 150 kHz	1 kHz	-36 dBm
150 kHz ≦ f < 30 MHz	10 kHz	-36 dBm
30 MHz ≦ f < 1000 MHz	100 kHz	-36 dBm
1GHz ≦ f < 12.75 GHz	1 MHz	-30 dBm

下表僅適用於工作頻帶為Band 1

頻率範圍	測量頻寬	最大允許值
462.5 MHz ≦ f ≦ 467.5 MHz	1 MHz	-50 dBm
703 MHz ≦ f ≦ 803 MHz	1 MHz	-50 dBm
791 MHz ≦ f ≦ 821 MHz	3.84 MHz	-60 dBm
852 MHz ≦ f ≦ 859 MHz	1 MHz	-50 dBm
859 MHz ≦ f ≦ 894 MHz	3.84 MHz	-60 dBm
921 MHz ≦ f < 925 MHz	100 kHz	-60 dBm
925 MHz ≦ f ≦ 935 MHz	100 kHz 3.84 MHz	-67 dBm -60 dBm
935 MHz < f ≦ 960 MHz	100 kHz 3.84 MHz	-79 dBm -60 dBm
1447 MHz ≦ f ≦ 1467 MHz	1 MHz	-50 dBm
1452 MHz ≦ f ≦ 1510.9 MHz	3.84 MHz	-60 dBm
1805 MHz ≦ f ≦ 1880 MHz	100 kHz 3.84 MHz	-71 dBm -60 dBm
1839.9 MHz ≦ f ≦ 1879.9 MHz	3.84 MHz	-60 dBm
1884.5 MHz < f < 1915.7 MHz	300 kHz	-41 dBm
2010 MHz < f < 2025 MHz	3.84 MHz	-60 dBm
2110 MHz ≦ f ≦ 2170 MHz	3.84 MHz	-60 dBm
2170 MHz ≦ f ≦ 2200 MHz	1 MHz	-50 dBm
2300 MHz ≦ f ≦ 2400 MHz	3.84 MHz	-60 dBm
2496 MHz ≦ f ≦ 2570 MHz	1 MHz	-50 dBm
2570 MHz ≦ f ≦ 2690 MHz	3.84 MHz	-60 dBm
3510 MHz ≦ f ≦ 3590 MHz	3.84 MHz	-60 dBm
3400 MHz ≦ f ≦ 3800 MHz	1 MHz	-50 dBm

下表僅適用於工作頻帶為Band 3

頻率範圍	測量頻寬	最大允許值
462.5 MHz ≦ f ≦ 467.5 MHz	1 MHz	-50 dBm
703 MHz ≦ f ≦ 803 MHz	1 MHz	-50 dBm
791 MHz ≦ f ≦ 821 MHz	3.84 MHz	-60 dBm
852 MHz ≦ f ≦ 859 MHz	1 MHz	-50 dBm
859 MHz ≦ f ≦ 894 MHz	3.84 MHz	-60 dBm (註)
921 MHz ≦ f < 925 MHz	100 kHz	-60 dBm
925 MHz ≦ f ≦ 935 MHz	100 kHz 3.84 MHz	-67 dBm -60 dBm
935 MHz < f ≦ 960 MHz	100 kHz 3.84 MHz	-79 dBm -60 dBm
1447 MHz ≦ f ≦ 1467 MHz	1 MHz	-50 dBm
1452 MHz ≦ f ≦ 1496 MHz	3.84 MHz	-60 dBm
1475.9 MHz ≦ f ≦ 1510.9 MHz	3.84 MHz	-60 dBm (註)
1805 MHz ≦ f ≦ 1880 MHz	3.84 MHz	-60 dBm
1880MHz ≦ f ≦ 1920 MHz	3.84 MHz	-60 dBm
1884.5 MHz ≦ f ≦ 1915.7 MHz	300 kHz	-41 dBm (註)
2010 MHz < f < 2025 MHz	3.84 MHz	-60 dBm
2110 MHz ≦ f ≦ 2170 MHz	3.84 MHz	-60 dBm
2170 MHz ≦ f ≦ 2200 MHz	1 MHz	-50 dBm
2300 MHz ≦ f ≦ 2400 MHz	3.84 MHz	-60 dBm
2496 MHz ≦ f ≦ 2570 MHz	1 MHz	-50 dBm
2570 MHz ≦ f ≦ 2690 MHz	3.84 MHz	-60 dBm
3510 MHz ≦ f ≦ 3590 MHz	3.84 MHz	-60 dBm
3400 MHz ≦ f ≦ 3800 MHz	1 MHz	-50 dBm

註：僅適用於 1744.9 MHz 至 1784.9 MHz 內之傳輸。

下表僅適用於工作頻帶為Band 8

頻率範圍	測量頻寬	最大允許值
462.5 MHz ≦ f ≦ 467.5 MHz	1 MHz	-50 dBm
703 MHz ≦ f ≦ 803 MHz	1 MHz	-50 dBm
791 MHz ≦ f ≦ 821 MHz	3.84 MHz	-60 dBm
860 MHz ≦ f ≦ 890 MHz	1 MHz	-37 dBm (註)
925 MHz ≦ f ≦ 935 MHz	100 kHz 3.84 MHz	-67 dBm -60 dBm
935 MHz < f ≦ 960 MHz	100 kHz 3.84 MHz	-79 dBm -60 dBm
1447 MHz ≦ f ≦ 1467 MHz	1 MHz	-50 dBm
1452 MHz ≦ f ≦ 1496 MHz	3.84 MHz	-60 dBm
1475.9 MHz ≦ f ≦ 1510.9 MHz	3.84 MHz	-60 dBm (註)
1805 MHz < f ≦ 1830 MHz	100 kHz 3.84 MHz	-71 dBm -60 dBm
1830 MHz < f ≦ 1880 MHz	100 kHz 3.84 MHz	-71 dBm -60 dBm
1880MHz ≦ f ≦ 1920 MHz	3.84 MHz	-60 dBm
1884.5 MHz ≦ f ≦ 1915.7 MHz	300 kHz	-41 dBm (註)
2010 MHz ≦ f ≦ 2025 MHz	3.84 MHz	-60 dBm
2110 MHz ≦ f ≦ 2170 MHz	3.84 MHz	-60 dBm
2170 MHz ≦ f ≦ 2200 MHz	1 MHz	-50 dBm
2300 MHz < f < 2400 MHz	3.84 MHz	-60 dBm
2496 MHz ≦ f ≦ 2570 MHz	1 MHz	-50 dBm
2570 MHz ≦ f ≦ 2640 MHz	3.84 MHz	-60 dBm
2640 MHz < f ≦ 2690 MHz	3.84 MHz	-60 dBm
3510 MHz ≦ f ≦ 3590 MHz	3.84 MHz	-60 dBm
3400 MHz ≦ f ≦ 3800 MHz	1 MHz	-50 dBm

註：僅適用於 900 MHz 至 915 MHz 內之傳輸。

5.5 電波功率密度

5.5.1 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

5.5.2 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

5.5.3 Test Result of Power Density

Please refer to 附錄 A.

5.6 電壓條件

5.6.1 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： 勒克朗社電池 / 鋰電池 / 水銀電池/鎳鎘電池	 0.85 × nominal 0.95 × nominal 0.90 × nominal	 nominal 1.1 × nominal 1.1 × nominal	 nominal 1.1 × nominal 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。

5.6.2 Test Procedure

終端設備與 WWAN 基地台做連線，以低極端電壓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。

5.6.3 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. 最大發射輸出功率、頻率穩定度、功率控制狀態下之最小平均輸出功率、佔用頻道頻寬、相鄰頻道洩漏功率比和發射頻譜波罩

測試環境	溫度	°C	23~24
	濕度	%	50~51
測試工程師		-----	Oscar Chi
天線之方向增益		dBi	1.34
標準供應電壓		VAC	110.00
關機電壓		VAC	64.00

註:檢測終端設備之電源電壓低於關機電壓時，終端設備已關機無發射

A.1 WCDMA Band I

傳導發射功率	單位	低頻道	中頻道	高頻道	限制	結果
	dBm	24.47	24.43	24.41	24 +1.7/-3.7	符合
電波功率密度	mW/cm^2	0.075811	0.075116	0.074770	1	符合

註1： Power Class 3

註2： 移動式終端設備

供電方式	交流電源

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 ℃ + 110 V	ppm	0.0036	0.0051	0.0056	0.0082	≦ 0.1	符合
高溫高壓	55 ℃ + 121 V	ppm	0.0067	0.0082	0.0092	0.0108	≦ 0.1	符合
高溫低壓	55 ℃ + 99 V	ppm	0.0077	0.0087	0.0103	0.0113	≦ 0.1	符合
低溫高壓	-10 ℃ + 121 V	ppm	0.0046	0.0056	0.0056	0.0067	≦ 0.1	符合
低溫低壓	-10 ℃ + 99 V	ppm	0.0051	0.0062	0.0062	0.0062	≦ 0.1	符合

Measurement Report

ROHDE&SCHWARZ

Operator: *noname* *2021年7月15日 下午 15:33:45*

CMU Ident: *Rohde&Schwarz,CMU 200-1100.0008.02,117997,V5.21*

Options: *B11/B12,B17,B21Var14,B41,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
Operating Band I, Channel DL/UL 10700/9750, Attenuation (In/Out) 6.5 / 6.5 dB				
P-CPICH: -53.90 dBm, P-SCH: -5.00 dB, S-SCH: -5.00 dB, P-CCPCH: -2.00 dB, S-CCPCH: -2.00 dB				
PICH: -5.00 dB, AICH -5.00 dB, DPDCH (Code 6): -7.00 dB, DPCCH/DPDCH Offset 0.00 dB				
MCC 1, MNC 1, LAC 1 CallType RMC 12.2 kbps DL/UL, Test Loop Mode 2				
IMSI: 001010123456789,Serial Number: 35088458-010658-4				
Call to Mobile:			passed	✓
DL Channel 10562, Attenuation (In/Out) 6.5 / 6.5 dB, Averaging: 10, UE Power Class 3				
Maximum RMS Power:	21.00 dBm	25.00 dBm	24.47 dBm	✓
DL Channel 10562, Attenuation (In/Out) 6.5 / 6.5 dB, Averaging: 10				
Minimum RMS Power:		-50.00 dBm	-55.79 dBm	✓
DL Channel 10562, Attenuation (In/Out) 6.5 / 6.5 dB, Averaging: 10, RF Target Level 0.0 dBm				
WCDMA Demodulation (Maximum Values)				
Carrier Frequency Error:	-195.00 Hz	195.00 Hz	2.82 Hz	✓
Magnitude Error (RMS):		17.50 %	1.91 %	✓
Magnitude Error (Peak):	-50.00 %	50.00 %	14.39 %	✓
DL Channel 10562, Attenuation (In/Out) 6.5 / 6.5 dB, Averaging: 10				
ACLR FFT/OBW, 640 Chips (Average Values)				
ACLR Channel -2 (RMS):		-43.00 dBc	-55.85 dBc	✓
ACLR Channel -1 (RMS):		-33.00 dBc	-47.65 dBc	✓
ACLR Channel +1 (RMS):		-33.00 dBc	-45.97 dBc	✓
ACLR Channel +2 (RMS):		-43.00 dBc	-53.30 dBc	✓
Occupied Bandwidth:		5.00 MHz	4.17 MHz	✓
DL Channel 10562, Attenuation (In/Out) 6.5 / 6.5 dB, Averaging: 10, 640 Chips				
Emission Mask:			passed	✓
Margin fc-8.5 ... fc-12.5 MHz	0.00 dB		-10.49 dB	
Margin fc-7.5 ... fc-8.5 MHz	0.00 dB		-10.42 dB	
Margin fc-4.0 ... fc-7.5 MHz	0.00 dB		-16.23 dB	
Margin fc-2.5 ... fc-3.5 MHz	0.00 dB		-15.88 dB	
Margin fc+2.5 ... fc+3.5 MHz	0.00 dB		-13.22 dB	
Margin fc+4.0 ... fc+7.5 MHz	0.00 dB		-14.55 dB	
Margin fc+7.5 ... fc+8.5 MHz	0.00 dB		-8.08 dB	
Margin fc+8.5 ... fc+12.5 MHz	0.00 dB		-7.97 dB	
DL Channel 10700, Attenuation (In/Out) 6.5 / 6.5 dB, Averaging: 10, UE Power Class 3				
Maximum RMS Power:	21.00 dBm	25.00 dBm	24.43 dBm	✓
DL Channel 10700, Attenuation (In/Out) 6.5 / 6.5 dB, Averaging: 10				
Minimum RMS Power:		-50.00 dBm	-55.77 dBm	✓

Test Name and Condition	Lower Limit	Upper Limit	Measured Value	P/F
DL Channel 10700, Attenuation (In/Out) 6.5 / 6.5 dB, Averaging: 10, RF Target Level 0.0 dBm				
WCDMA Demodulation (Maximum Values)				
Carrier Frequency Error:	**-195.00 Hz**	**195.00 Hz**	**6.00 Hz**	✓
Magnitude Error (RMS):		**17.50 %**	**2.93 %**	✓
Magnitude Error (Peak):	**-50.00 %**	**50.00 %**	**18.22 %**	✓
DL Channel 10700, Attenuation (In/Out) 6.5 / 6.5 dB, Averaging: 10				
ACLR FFT/OBW, 640 Chips (Average Values)				
ACLR Channel -2 (RMS):		**-43.00 dBc**	**-55.97 dBc**	✓
ACLR Channel -1 (RMS):		**-33.00 dBc**	**-48.33 dBc**	✓
ACLR Channel +1 (RMS):		**-33.00 dBc**	**-47.85 dBc**	✓
ACLR Channel +2 (RMS):		**-43.00 dBc**	**-53.13 dBc**	✓
Occupied Bandwidth:		**5.00 MHz**	**4.16 MHz**	✓
DL Channel 10700, Attenuation (In/Out) 6.5 / 6.5 dB, Averaging: 10, 640 Chips				
Emission Mask:			**passed**	✓
Margin fc-8.5 ... fc-12.5 MHz	**0.00 dB**		**-10.82 dB**	
Margin fc-7.5 ... fc-8.5 MHz	**0.00 dB**		**-10.91 dB**	
Margin fc-4.0 ... fc-7.5 MHz	**0.00 dB**		**-17.80 dB**	
Margin fc-2.5 ... fc-3.5 MHz	**0.00 dB**		**-16.66 dB**	
Margin fc+2.5 ... fc+3.5 MHz	**0.00 dB**		**-15.42 dB**	
Margin fc+4.0 ... fc+7.5 MHz	**0.00 dB**		**-16.89 dB**	
Margin fc+7.5 ... fc+8.5 MHz	**0.00 dB**		**-8.57 dB**	
Margin fc+8.5 ... fc+12.5 MHz	**0.00 dB**		**-8.64 dB**	
DL Channel 10838, Attenuation (In/Out) 6.5 / 6.5 dB, Averaging: 10, UE Power Class 3				
Maximum RMS Power:	**21.00 dBm**	**25.00 dBm**	**24.41 dBm**	✓
DL Channel 10838, Attenuation (In/Out) 6.5 / 6.5 dB, Averaging: 10				
Minimum RMS Power:		**-50.00 dBm**	**-55.73 dBm**	✓
DL Channel 10838, Attenuation (In/Out) 6.5 / 6.5 dB, Averaging: 10, RF Target Level 0.0 dBm				
WCDMA Demodulation (Maximum Values)				
Carrier Frequency Error:	**-195.00 Hz**	**195.00 Hz**	**7.97 Hz**	✓
Magnitude Error (RMS):		**17.50 %**	**3.27 %**	✓
Magnitude Error (Peak):	**-50.00 %**	**50.00 %**	**18.92 %**	✓
DL Channel 10838, Attenuation (In/Out) 6.5 / 6.5 dB, Averaging: 10				
ACLR FFT/OBW, 640 Chips (Average Values)				
ACLR Channel -2 (RMS):		**-43.00 dBc**	**-55.22 dBc**	✓
ACLR Channel -1 (RMS):		**-33.00 dBc**	**-49.05 dBc**	✓
ACLR Channel +1 (RMS):		**-33.00 dBc**	**-48.48 dBc**	✓
ACLR Channel +2 (RMS):		**-43.00 dBc**	**-54.19 dBc**	✓
Occupied Bandwidth:		**5.00 MHz**	**4.17 MHz**	✓

Measurement Report

ROHDE&SCHWARZ

Test Name and Condition	Lower Limit	Upper Limit	Measured Value	P/F
DL Channel 10838, Attenuation (In/Out) 6.5 / 6.5 dB, Averaging: 10, 640 Chips				
Emission Mask:			passed	✓
Margin fc-8.5 ... fc-12.5 MHz	**0.00 dB**		-10.42 dB	
Margin fc-7.5 ... fc-8.5 MHz	**0.00 dB**		-10.37 dB	
Margin fc-4.0 ... fc-7.5 MHz	**0.00 dB**		-18.60 dB	
Margin fc-2.5 ... fc-3.5 MHz	**0.00 dB**		-17.13 dB	
Margin fc+2.5 ... fc+3.5 MHz	**0.00 dB**		-15.35 dB	
Margin fc+4.0 ... fc+7.5 MHz	**0.00 dB**		-17.41 dB	
Margin fc+7.5 ... fc+8.5 MHz	**0.00 dB**		-9.28 dB	
Margin fc+8.5 ... fc+12.5 MHz	**0.00 dB**		-9.34 dB	
Call Release Test:			passed	✓

MS Serial Number: 35088458-010658-4

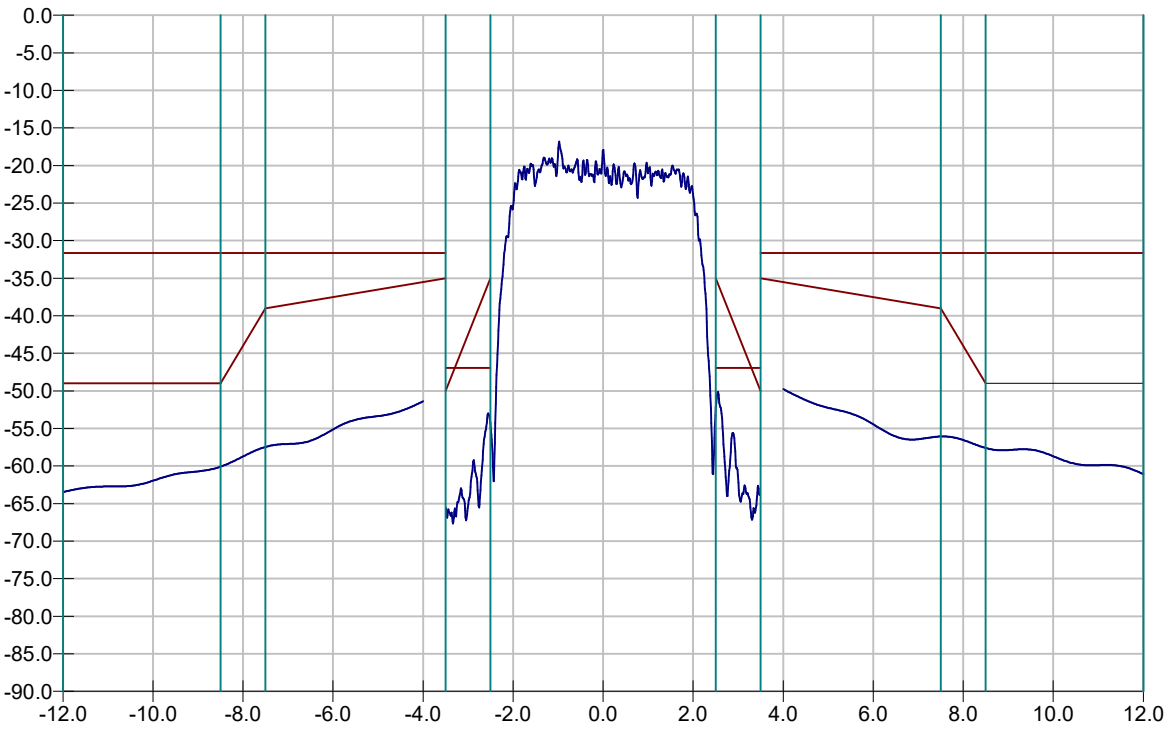
Result:

35 Tests passed / 0 Tests failed

(Execution Time: 180.4 Seconds)

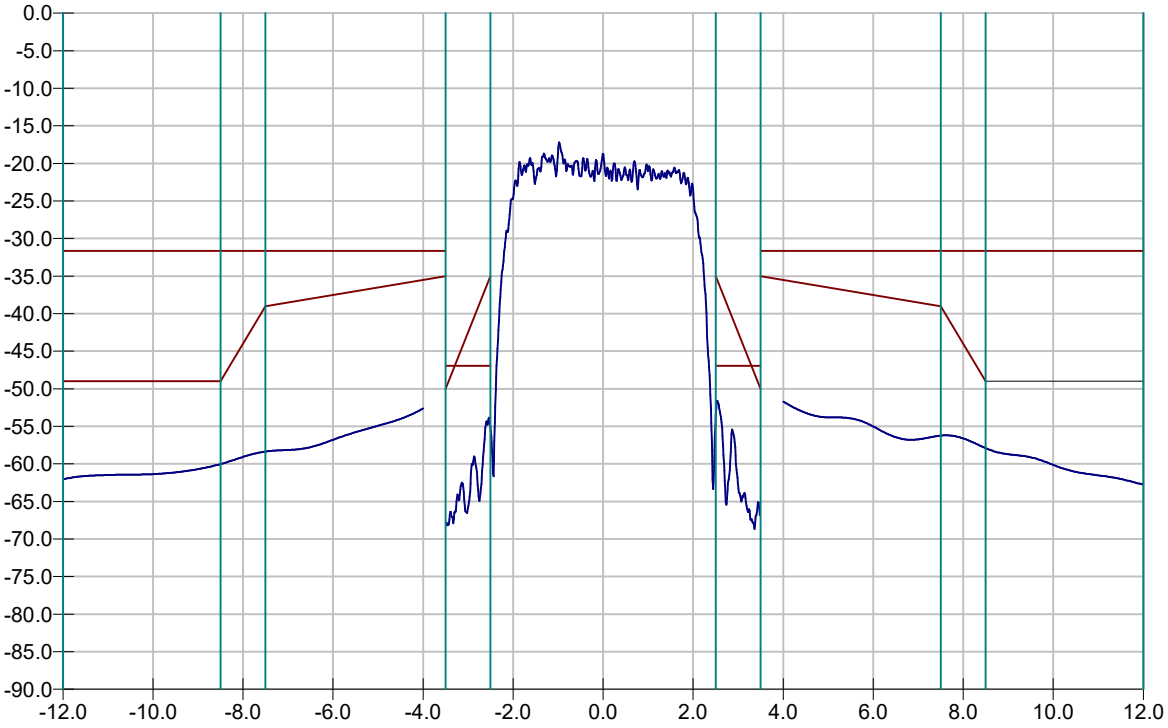
Annex: Emission Mask Graph

DL Channel 10562, Attenuation (In/Out) 6.5 / 6.5 dB, Averaging: 10, 640 Chips



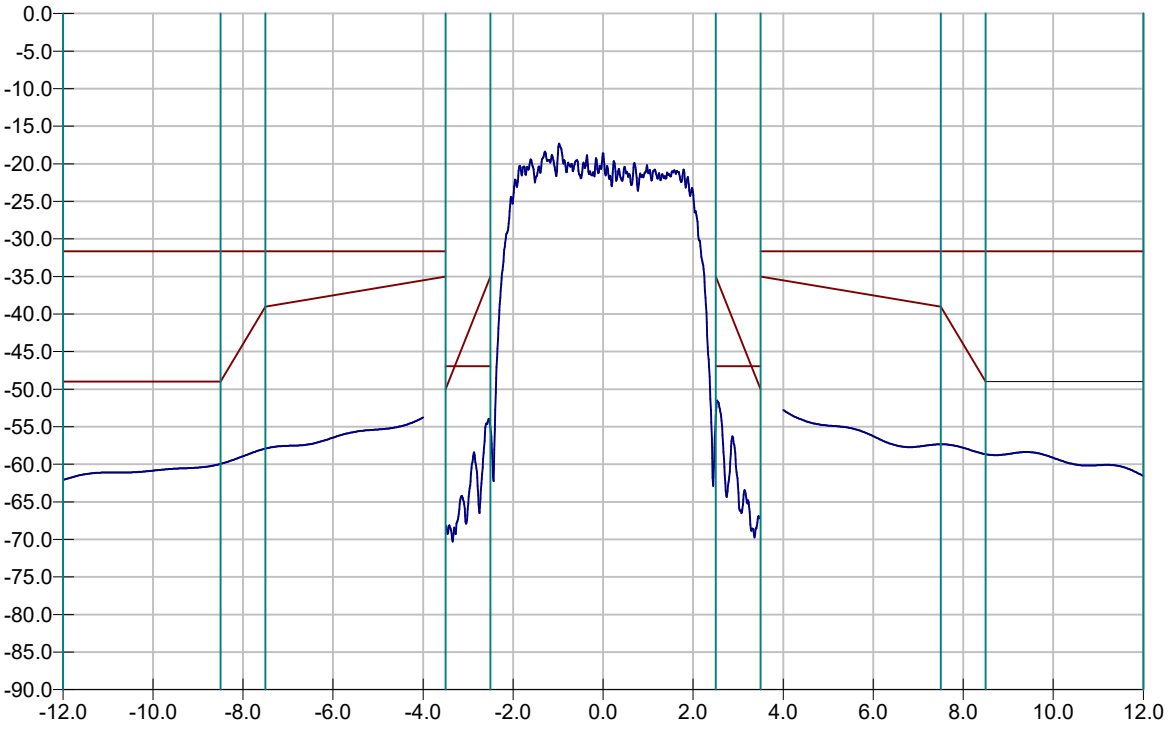
Annex: Emission Mask Graph

DL Channel 10700, Attenuation (In/Out) 6.5 / 6.5 dB, Averaging: 10, 640 Chips



Annex: Emission Mask Graph

DL Channel 10838, Attenuation (In/Out) 6.5 / 6.5 dB, Averaging: 10, 640 Chips



測試環境	溫度	°C	23~24
	濕度	%	50~51
測試工程師		-----	Oscar Chi
天線之方向增益		dBi	0.86
標準供應電壓		VAC	110.00
關機電壓		VAC	64.00

註:檢測終端設備之電源電壓低於關機電壓時，終端設備已關機無發射

A.2 WCDMA Band III

傳導發射功率	單位	低頻道	中頻道	高頻道	限制	結果
	dBm	24.91	24.45	24.49	24 +1.7/-3.7	符合
電波功率密度	mW/cm^2	0.075116	0.067566	0.068191	0.9	符合

註1： Power Class 3

註2： 移動式終端設備

供電方式	交流電源

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 ℃ + 110 V	ppm	0.0046	0.0057	0.0069	0.0069	≦ 0.1	符合
高溫高壓	55 ℃ + 121 V	ppm	0.0029	0.0029	0.0040	0.0074	≦ 0.1	符合
高溫低壓	55 ℃ + 99 V	ppm	0.0034	0.0046	0.0046	0.0063	≦ 0.1	符合
低溫高壓	-10 ℃ + 121 V	ppm	0.0074	0.0086	0.0097	0.0114	≦ 0.1	符合
低溫低壓	-10 ℃ + 99 V	ppm	0.0092	0.0092	0.0114	0.0114	≦ 0.1	符合

Measurement Report

ROHDE&SCHWARZ

Operator: *noname* *2021年7月15日 下午 15:41:36*

CMU Ident: *Rohde&Schwarz,CMU 200-1100.0008.02,117997,V5.21*

Options: *B11/B12,B17,B21Var14,B41,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
Operating Band III, Channel DL/UL 1338/1113, Attenuation (In/Out) 6.3 / 6.3 dB				
P-CPICH: -53.90 dBm, P-SCH: -5.00 dB, S-SCH: -5.00 dB, P-CCPCH: -2.00 dB, S-CCPCH: -2.00 dB				
PICH: -5.00 dB, AICH -5.00 dB, DPDCH (Code 6): -7.00 dB, DPCCH/DPDCH Offset 0.00 dB				
MCC 1, MNC 1, LAC 1 CallType RMC 12.2 kbps DL/UL, Test Loop Mode 2				
IMSI: 001010123456789,Serial Number: 35088458-010658-4				
Call to Mobile:			passed	✓
DL Channel 1162, Attenuation (In/Out) 6.3 / 6.3 dB, Averaging: 10, UE Power Class 3				
Maximum RMS Power:	21.00 dBm	25.00 dBm	24.91 dBm	✓
DL Channel 1162, Attenuation (In/Out) 6.3 / 6.3 dB, Averaging: 10				
Minimum RMS Power:		-50.00 dBm	-55.39 dBm	✓
DL Channel 1162, Attenuation (In/Out) 6.3 / 6.3 dB, Averaging: 10, RF Target Level 0.0 dBm				
WCDMA Demodulation (Maximum Values)				
Carrier Frequency Error:	-195.00 Hz	195.00 Hz	-7.31 Hz	✓
Magnitude Error (RMS):		17.50 %	2.08 %	✓
Magnitude Error (Peak):	-50.00 %	50.00 %	26.00 %	✓
DL Channel 1162, Attenuation (In/Out) 6.3 / 6.3 dB, Averaging: 10				
ACLR FFT/OBW, 640 Chips (Average Values)				
ACLR Channel -2 (RMS):		-43.00 dBc	-55.25 dBc	✓
ACLR Channel -1 (RMS):		-33.00 dBc	-46.07 dBc	✓
ACLR Channel +1 (RMS):		-33.00 dBc	-44.90 dBc	✓
ACLR Channel +2 (RMS):		-43.00 dBc	-54.51 dBc	✓
Occupied Bandwidth:		5.00 MHz	4.17 MHz	✓
DL Channel 1162, Attenuation (In/Out) 6.3 / 6.3 dB, Averaging: 10, 640 Chips				
Emission Mask:			passed	✓
Margin fc-8.5 ... fc-12.5 MHz	0.00 dB		-9.22 dB	
Margin fc-7.5 ... fc-8.5 MHz	0.00 dB		-9.13 dB	
Margin fc-4.0 ... fc-7.5 MHz	0.00 dB		-15.40 dB	
Margin fc-2.5 ... fc-3.5 MHz	0.00 dB		-15.11 dB	
Margin fc+2.5 ... fc+3.5 MHz	0.00 dB		-13.03 dB	
Margin fc+4.0 ... fc+7.5 MHz	0.00 dB		-14.02 dB	
Margin fc+7.5 ... fc+8.5 MHz	0.00 dB		-9.79 dB	
Margin fc+8.5 ... fc+12.5 MHz	0.00 dB		-9.85 dB	
DL Channel 1338, Attenuation (In/Out) 6.3 / 6.3 dB, Averaging: 10, UE Power Class 3				
Maximum RMS Power:	21.00 dBm	25.00 dBm	24.45 dBm	✓
DL Channel 1338, Attenuation (In/Out) 6.3 / 6.3 dB, Averaging: 10				
Minimum RMS Power:		-50.00 dBm	-55.73 dBm	✓

Test Name and Condition	Lower Limit	Upper Limit	Measured Value	P/F
DL Channel 1338, Attenuation (In/Out) 6.3 / 6.3 dB, Averaging: 10, RF Target Level 0.0 dBm				
WCDMA Demodulation (Maximum Values)				
Carrier Frequency Error:	**-195.00 Hz**	**195.00 Hz**	**-6.21 Hz**	✓
Magnitude Error (RMS):		**17.50 %**	**2.62 %**	✓
Magnitude Error (Peak):	**-50.00 %**	**50.00 %**	**8.60 %**	✓
DL Channel 1338, Attenuation (In/Out) 6.3 / 6.3 dB, Averaging: 10				
ACLR FFT/OBW, 640 Chips (Average Values)				
ACLR Channel -2 (RMS):		**-43.00 dBc**	**-57.10 dBc**	✓
ACLR Channel -1 (RMS):		**-33.00 dBc**	**-46.86 dBc**	✓
ACLR Channel +1 (RMS):		**-33.00 dBc**	**-45.62 dBc**	✓
ACLR Channel +2 (RMS):		**-43.00 dBc**	**-54.78 dBc**	✓
Occupied Bandwidth:		**5.00 MHz**	**4.16 MHz**	✓
DL Channel 1338, Attenuation (In/Out) 6.3 / 6.3 dB, Averaging: 10, 640 Chips				
Emission Mask:			**passed**	✓
Margin fc-8.5 ... fc-12.5 MHz	**0.00 dB**		-13.17 dB	
Margin fc-7.5 ... fc-8.5 MHz	**0.00 dB**		-13.12 dB	
Margin fc-4.0 ... fc-7.5 MHz	**0.00 dB**		-15.91 dB	
Margin fc-2.5 ... fc-3.5 MHz	**0.00 dB**		-14.75 dB	
Margin fc+2.5 ... fc+3.5 MHz	**0.00 dB**		-12.64 dB	
Margin fc+4.0 ... fc+7.5 MHz	**0.00 dB**		-14.25 dB	
Margin fc+7.5 ... fc+8.5 MHz	**0.00 dB**		-8.82 dB	
Margin fc+8.5 ... fc+12.5 MHz	**0.00 dB**		-8.88 dB	
DL Channel 1513, Attenuation (In/Out) 6.3 / 6.3 dB, Averaging: 10, UE Power Class 3				
Maximum RMS Power:	**21.00 dBm**	**25.00 dBm**	**24.49 dBm**	✓
DL Channel 1513, Attenuation (In/Out) 6.3 / 6.3 dB, Averaging: 10				
Minimum RMS Power:		**-50.00 dBm**	**-55.62 dBm**	✓
DL Channel 1513, Attenuation (In/Out) 6.3 / 6.3 dB, Averaging: 10, RF Target Level 0.0 dBm				
WCDMA Demodulation (Maximum Values)				
Carrier Frequency Error:	**-195.00 Hz**	**195.00 Hz**	**-4.70 Hz**	✓
Magnitude Error (RMS):		**17.50 %**	**4.14 %**	✓
Magnitude Error (Peak):	**-50.00 %**	**50.00 %**	**13.18 %**	✓
DL Channel 1513, Attenuation (In/Out) 6.3 / 6.3 dB, Averaging: 10				
ACLR FFT/OBW, 640 Chips (Average Values)				
ACLR Channel -2 (RMS):		**-43.00 dBc**	**-55.69 dBc**	✓
ACLR Channel -1 (RMS):		**-33.00 dBc**	**-43.57 dBc**	✓
ACLR Channel +1 (RMS):		**-33.00 dBc**	**-46.63 dBc**	✓
ACLR Channel +2 (RMS):		**-43.00 dBc**	**-58.39 dBc**	✓
Occupied Bandwidth:		**5.00 MHz**	**4.16 MHz**	✓

Measurement Report

ROHDE&SCHWARZ

Test Name and Condition	Lower Limit	Upper Limit	Measured Value	P/F
DL Channel 1513, Attenuation (In/Out) 6.3 / 6.3 dB, Averaging: 10, 640 Chips				
Emission Mask:			passed	✓
Margin fc-8.5 ... fc-12.5 MHz	**0.00 dB**		-11.00 dB	
Margin fc-7.5 ... fc-8.5 MHz	**0.00 dB**		-10.92 dB	
Margin fc-4.0 ... fc-7.5 MHz	**0.00 dB**		-12.68 dB	
Margin fc-2.5 ... fc-3.5 MHz	**0.00 dB**		-11.93 dB	
Margin fc+2.5 ... fc+3.5 MHz	**0.00 dB**		-12.48 dB	
Margin fc+4.0 ... fc+7.5 MHz	**0.00 dB**		-14.61 dB	
Margin fc+7.5 ... fc+8.5 MHz	**0.00 dB**		-13.32 dB	
Margin fc+8.5 ... fc+12.5 MHz	**0.00 dB**		-13.38 dB	
Call Release Test:			passed	✓

MS Serial Number: 35088458-010658-4

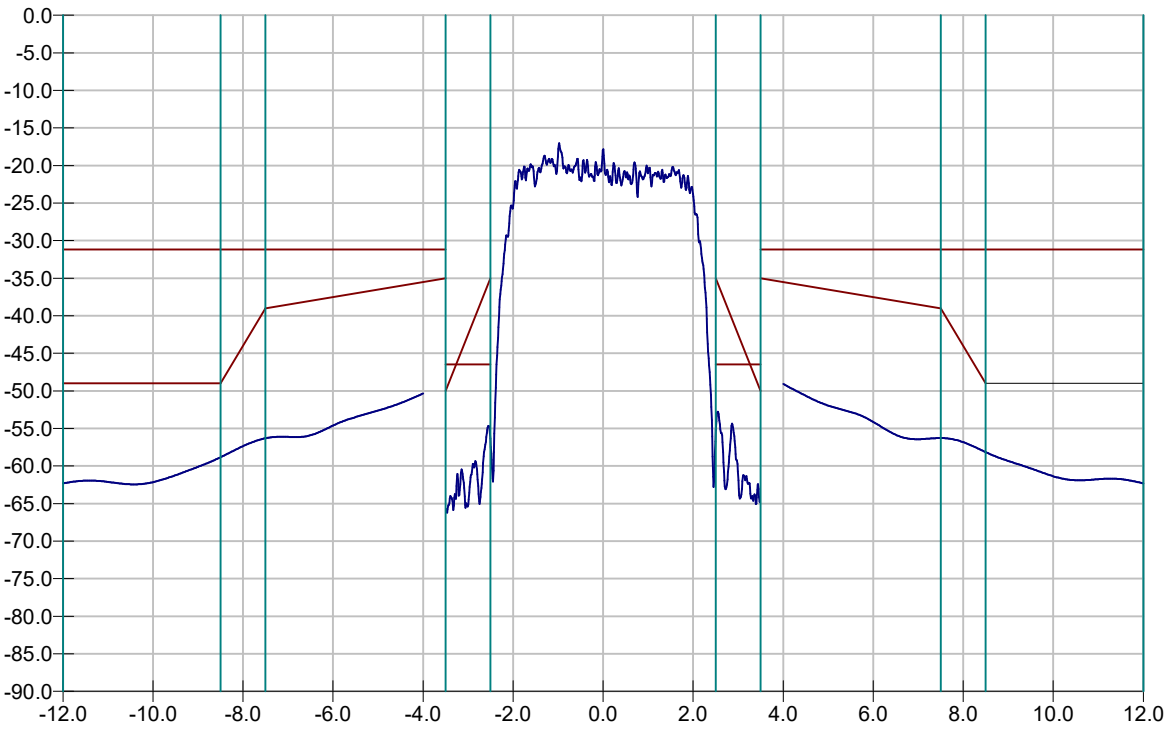
Result:

35 Tests passed / 0 Tests failed

(Execution Time: 379.7 Seconds)

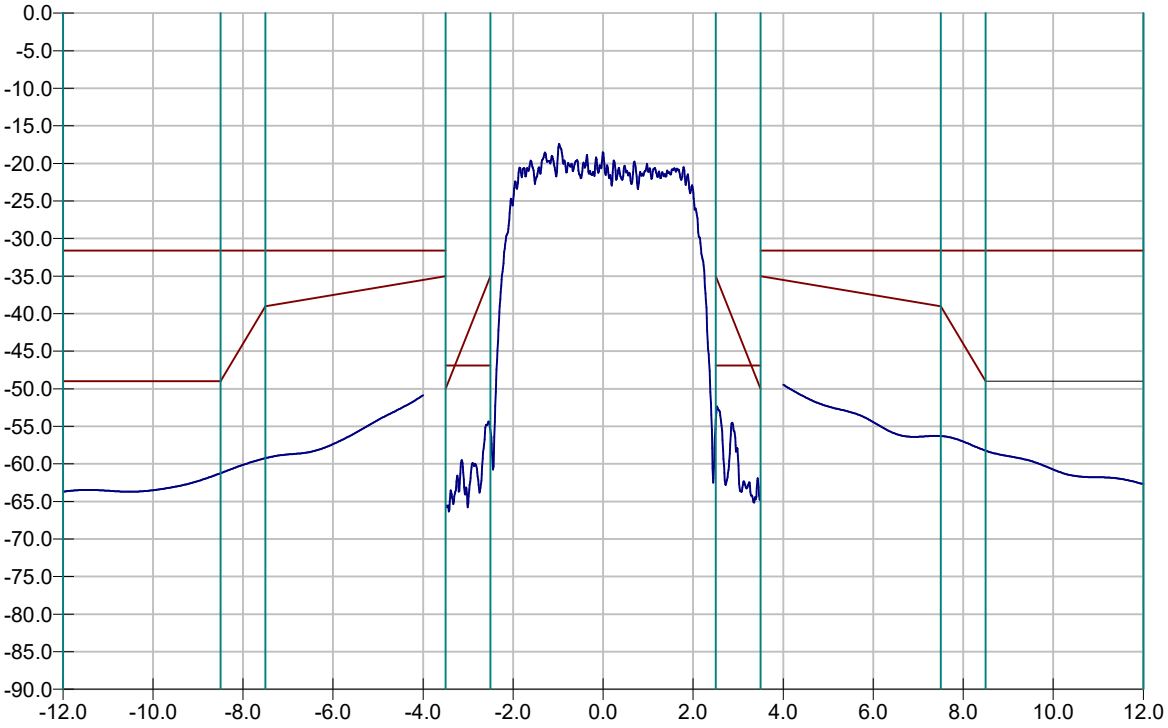
Annex: Emission Mask Graph

DL Channel 1162, Attenuation (In/Out) 6.3 / 6.3 dB, Averaging: 10, 640 Chips



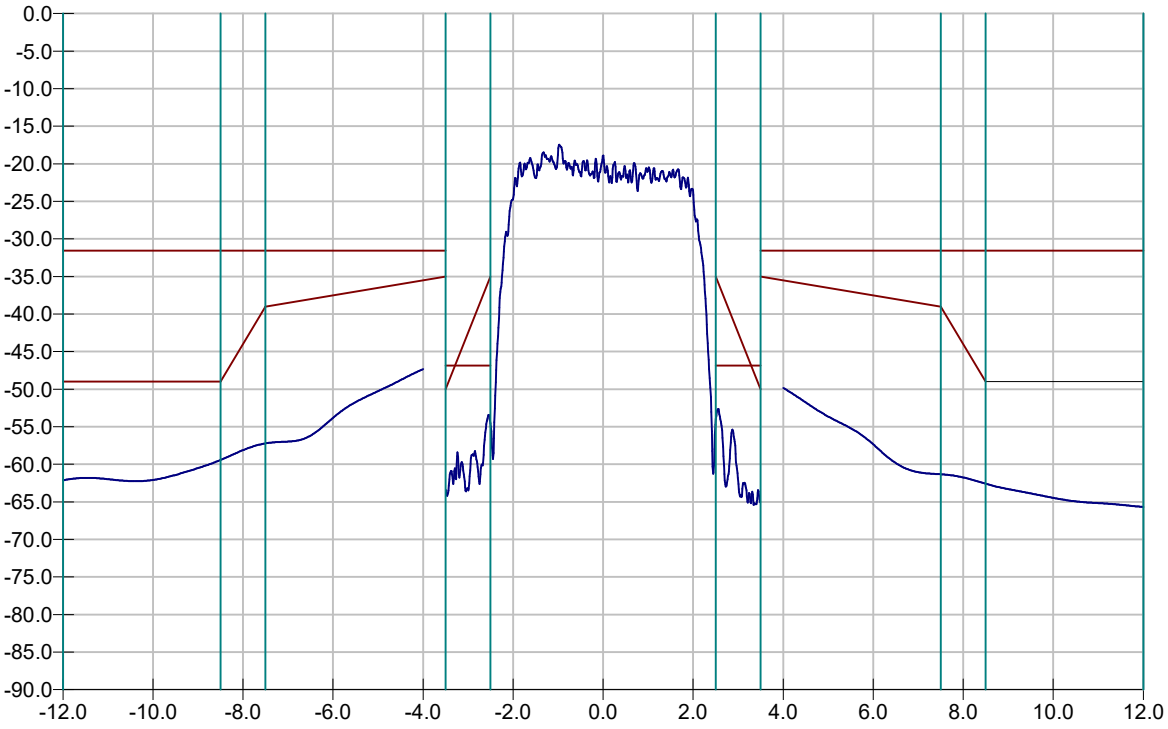
Annex: Emission Mask Graph

DL Channel 1338, Attenuation (In/Out) 6.3 / 6.3 dB, Averaging: 10, 640 Chips



Annex: Emission Mask Graph

DL Channel 1513, Attenuation (In/Out) 6.3 / 6.3 dB, Averaging: 10, 640 Chips



測試環境	溫度	°C	23~24
	濕度	%	50~51
測試工程師		-----	Oscar Chi
天線之方向增益		dBi	1.42
標準供應電壓		VAC	110.00
關機電壓		VAC	64.00

註: 檢測終端設備之電源電壓低於關機電壓時，終端設備已關機無發射

A.3 WCDMA Band VIII

傳導發射功率	單位	低頻道	中頻道	高頻道	限制	結果
	dBm	24.36	24.27	24.48	24 +1.7/-3.7	符合
電波功率密度	mW/cm^2	0.07529	0.07374	0.07740	0.45	符合

註1： Power Class 3

註2： 移動式終端設備

供電方式	交流電源

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 ℃ + 110 V	ppm	0.0056	0.0056	0.0067	0.0078	≦ 0.1	符合
高溫高壓	55 ℃ + 121 V	ppm	0.0044	0.0078	0.0078	0.0089	≦ 0.1	符合
高溫低壓	55 ℃ + 99 V	ppm	0.0056	0.0056	0.0089	0.0100	≦ 0.1	符合
低溫高壓	-10 ℃ + 121 V	ppm	0.0056	0.0078	0.0078	0.0100	≦ 0.1	符合
低溫低壓	-10 ℃ + 99 V	ppm	0.0078	0.0078	0.0100	0.0111	≦ 0.1	符合

Measurement Report

ROHDE&SCHWARZ

Operator: *noname* *2021年7月15日 下午 15:54:34*

CMU Ident: *Rohde&Schwarz,CMU 200-1100.0008.02,117997,V5.21*

Options: *B11/B12,B17,B21Var14,B41,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
Operating Band VIII, Channel DL/UL 3025/2800, Attenuation (In/Out) 5.5 / 5.5 dB				
P-CPICH: -53.90 dBm, P-SCH: -5.00 dB, S-SCH: -5.00 dB, P-CCPCH: -2.00 dB, S-CCPCH: -2.00 dB				
PICH: -5.00 dB, AICH -5.00 dB, DPDCH (Code 6): -7.00 dB, DPCCH/DPDCH Offset 0.00 dB				
MCC 1, MNC 1, LAC 1 CallType RMC 12.2 kbps DL/UL, Test Loop Mode 2				
IMSI: 001010123456789,Serial Number: 35088458-010658-4				
Call to Mobile:			passed	✓
DL Channel 2962, Attenuation (In/Out) 5.5 / 5.5 dB, Averaging: 10, UE Power Class 3				
Maximum RMS Power:	21.00 dBm	25.00 dBm	24.36 dBm	✓
DL Channel 2962, Attenuation (In/Out) 5.5 / 5.5 dB, Averaging: 10				
Minimum RMS Power:		-50.00 dBm	-56.02 dBm	✓
DL Channel 2962, Attenuation (In/Out) 5.5 / 5.5 dB, Averaging: 10, RF Target Level 0.0 dBm				
WCDMA Demodulation (Maximum Values)				
Carrier Frequency Error:	-195.00 Hz	195.00 Hz	1.21 Hz	✓
Magnitude Error (RMS):		17.50 %	3.19 %	✓
Magnitude Error (Peak):	-50.00 %	50.00 %	11.09 %	✓
DL Channel 2962, Attenuation (In/Out) 5.5 / 5.5 dB, Averaging: 10				
ACLR FFT/OBW, 640 Chips (Average Values)				
ACLR Channel -2 (RMS):		-43.00 dBc	-57.07 dBc	✓
ACLR Channel -1 (RMS):		-33.00 dBc	-45.06 dBc	✓
ACLR Channel +1 (RMS):		-33.00 dBc	-46.47 dBc	✓
ACLR Channel +2 (RMS):		-43.00 dBc	-51.31 dBc	✓
Occupied Bandwidth:		5.00 MHz	4.17 MHz	✓
DL Channel 2962, Attenuation (In/Out) 5.5 / 5.5 dB, Averaging: 10, 640 Chips				
Emission Mask:			passed	✓
Margin fc-8.5 ... fc-12.5 MHz	0.00 dB		-10.47 dB	
Margin fc-7.5 ... fc-8.5 MHz	0.00 dB		-10.38 dB	
Margin fc-4.0 ... fc-7.5 MHz	0.00 dB		-13.77 dB	
Margin fc-2.5 ... fc-3.5 MHz	0.00 dB		-13.92 dB	
Margin fc+2.5 ... fc+3.5 MHz	0.00 dB		-15.64 dB	
Margin fc+4.0 ... fc+7.5 MHz	0.00 dB		-14.86 dB	
Margin fc+7.5 ... fc+8.5 MHz	0.00 dB		-7.30 dB	
Margin fc+8.5 ... fc+12.5 MHz	0.00 dB		-6.87 dB	
DL Channel 3025, Attenuation (In/Out) 5.5 / 5.5 dB, Averaging: 10, UE Power Class 3				
Maximum RMS Power:	21.00 dBm	25.00 dBm	24.27 dBm	✓
DL Channel 3025, Attenuation (In/Out) 5.5 / 5.5 dB, Averaging: 10				
Minimum RMS Power:		-50.00 dBm	-56.06 dBm	✓

Test Name and Condition	Lower Limit	Upper Limit	Measured Value	P/F
DL Channel 3025, Attenuation (In/Out) 5.5 / 5.5 dB, Averaging: 10, RF Target Level 0.0 dBm				
WCDMA Demodulation (Maximum Values)				
Carrier Frequency Error:	**-195.00 Hz**	**195.00 Hz**	**1.05 Hz**	✓
Magnitude Error (RMS):		**17.50 %**	**2.16 %**	✓
Magnitude Error (Peak):	**-50.00 %**	**50.00 %**	**14.75 %**	✓
DL Channel 3025, Attenuation (In/Out) 5.5 / 5.5 dB, Averaging: 10				
ACLR FFT/OBW, 640 Chips (Average Values)				
ACLR Channel -2 (RMS):		**-43.00 dBc**	**-56.13 dBc**	✓
ACLR Channel -1 (RMS):		**-33.00 dBc**	**-46.97 dBc**	✓
ACLR Channel +1 (RMS):		**-33.00 dBc**	**-48.79 dBc**	✓
ACLR Channel +2 (RMS):		**-43.00 dBc**	**-53.33 dBc**	✓
Occupied Bandwidth:		**5.00 MHz**	**4.17 MHz**	✓
DL Channel 3025, Attenuation (In/Out) 5.5 / 5.5 dB, Averaging: 10, 640 Chips				
Emission Mask:			**passed**	✓
Margin fc-8.5 ... fc-12.5 MHz	**0.00 dB**		**-10.88 dB**	
Margin fc-7.5 ... fc-8.5 MHz	**0.00 dB**		**-10.83 dB**	
Margin fc-4.0 ... fc-7.5 MHz	**0.00 dB**		**-16.45 dB**	
Margin fc-2.5 ... fc-3.5 MHz	**0.00 dB**		**-15.92 dB**	
Margin fc+2.5 ... fc+3.5 MHz	**0.00 dB**		**-15.30 dB**	
Margin fc+4.0 ... fc+7.5 MHz	**0.00 dB**		**-16.23 dB**	
Margin fc+7.5 ... fc+8.5 MHz	**0.00 dB**		**-8.67 dB**	
Margin fc+8.5 ... fc+12.5 MHz	**0.00 dB**		**-8.74 dB**	
DL Channel 3088, Attenuation (In/Out) 5.5 / 5.5 dB, Averaging: 10, UE Power Class 3				
Maximum RMS Power:	**21.00 dBm**	**25.00 dBm**	**24.48 dBm**	✓
DL Channel 3088, Attenuation (In/Out) 5.5 / 5.5 dB, Averaging: 10				
Minimum RMS Power:		**-50.00 dBm**	**-55.95 dBm**	✓
DL Channel 3088, Attenuation (In/Out) 5.5 / 5.5 dB, Averaging: 10, RF Target Level 0.0 dBm				
WCDMA Demodulation (Maximum Values)				
Carrier Frequency Error:	**-195.00 Hz**	**195.00 Hz**	**1.72 Hz**	✓
Magnitude Error (RMS):		**17.50 %**	**1.62 %**	✓
Magnitude Error (Peak):	**-50.00 %**	**50.00 %**	**20.47 %**	✓
DL Channel 3088, Attenuation (In/Out) 5.5 / 5.5 dB, Averaging: 10				
ACLR FFT/OBW, 640 Chips (Average Values)				
ACLR Channel -2 (RMS):		**-43.00 dBc**	**-54.99 dBc**	✓
ACLR Channel -1 (RMS):		**-33.00 dBc**	**-42.55 dBc**	✓
ACLR Channel +1 (RMS):		**-33.00 dBc**	**-43.98 dBc**	✓
ACLR Channel +2 (RMS):		**-43.00 dBc**	**-61.27 dBc**	✓
Occupied Bandwidth:		**5.00 MHz**	**4.17 MHz**	✓

Measurement Report

ROHDE&SCHWARZ

Test Name and Condition	Lower Limit	Upper Limit	Measured Value	P/F
DL Channel 3088, Attenuation (In/Out) 5.5 / 5.5 dB, Averaging: 10, 640 Chips				
Emission Mask:			passed	✓
Margin fc-8.5 ... fc-12.5 MHz	**0.00 dB**		-8.63 dB	
Margin fc-7.5 ... fc-8.5 MHz	**0.00 dB**		-8.52 dB	
Margin fc-4.0 ... fc-7.5 MHz	**0.00 dB**		-11.29 dB	
Margin fc-2.5 ... fc-3.5 MHz	**0.00 dB**		-12.35 dB	
Margin fc+2.5 ... fc+3.5 MHz	**0.00 dB**		-9.90 dB	
Margin fc+4.0 ... fc+7.5 MHz	**0.00 dB**		-12.12 dB	
Margin fc+7.5 ... fc+8.5 MHz	**0.00 dB**		-17.64 dB	
Margin fc+8.5 ... fc+12.5 MHz	**0.00 dB**		-17.44 dB	
Call Release Test:			passed	✓

MS Serial Number: 35088458-010658-4

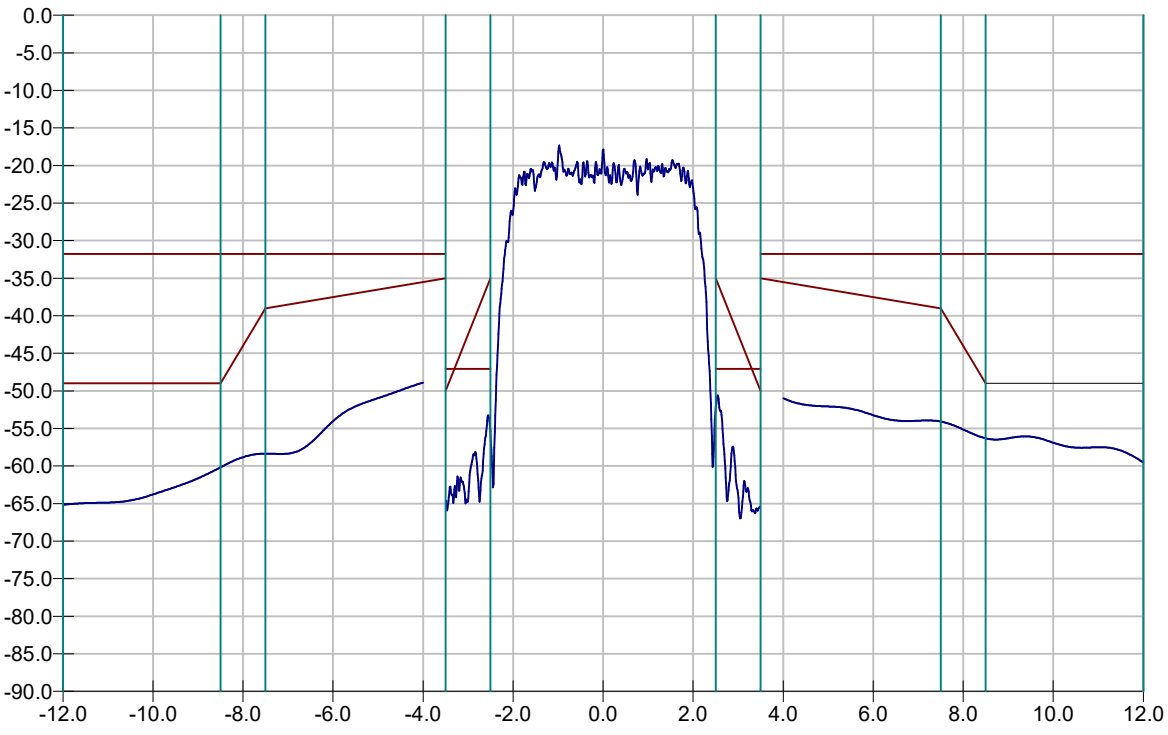
Result:

35 Tests passed / 0 Tests failed

(Execution Time: 266.5 Seconds)

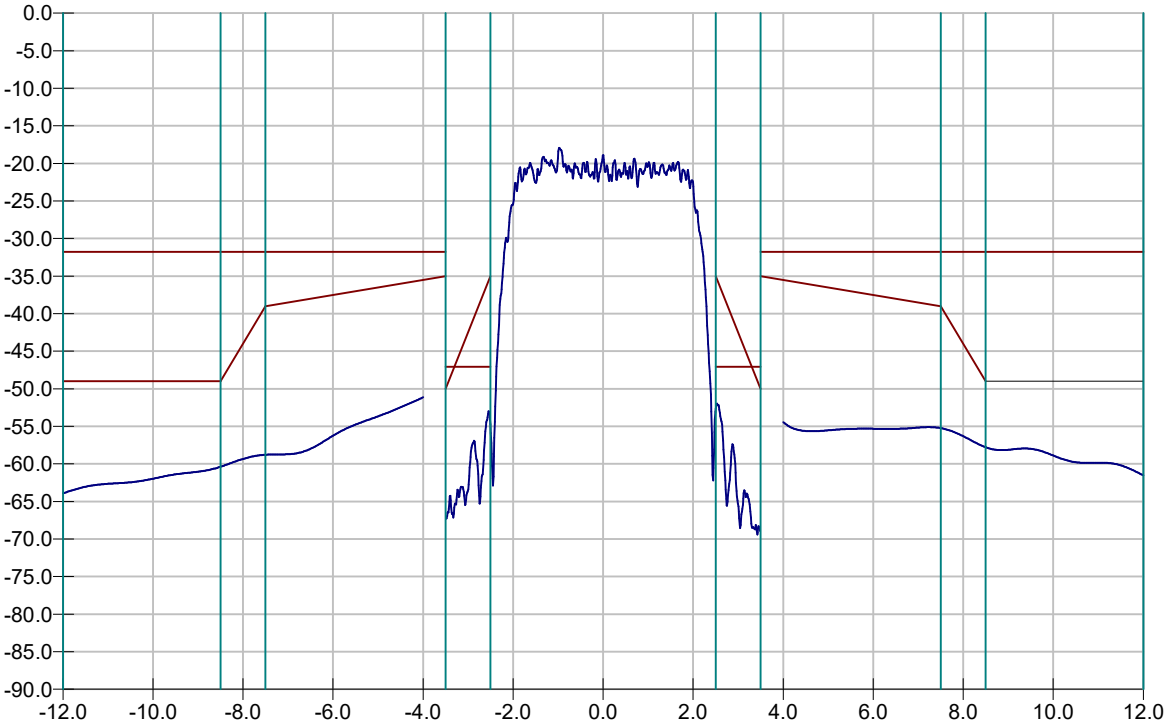
Annex: Emission Mask Graph

DL Channel 2962, Attenuation (In/Out) 5.5 / 5.5 dB, Averaging: 10, 640 Chips



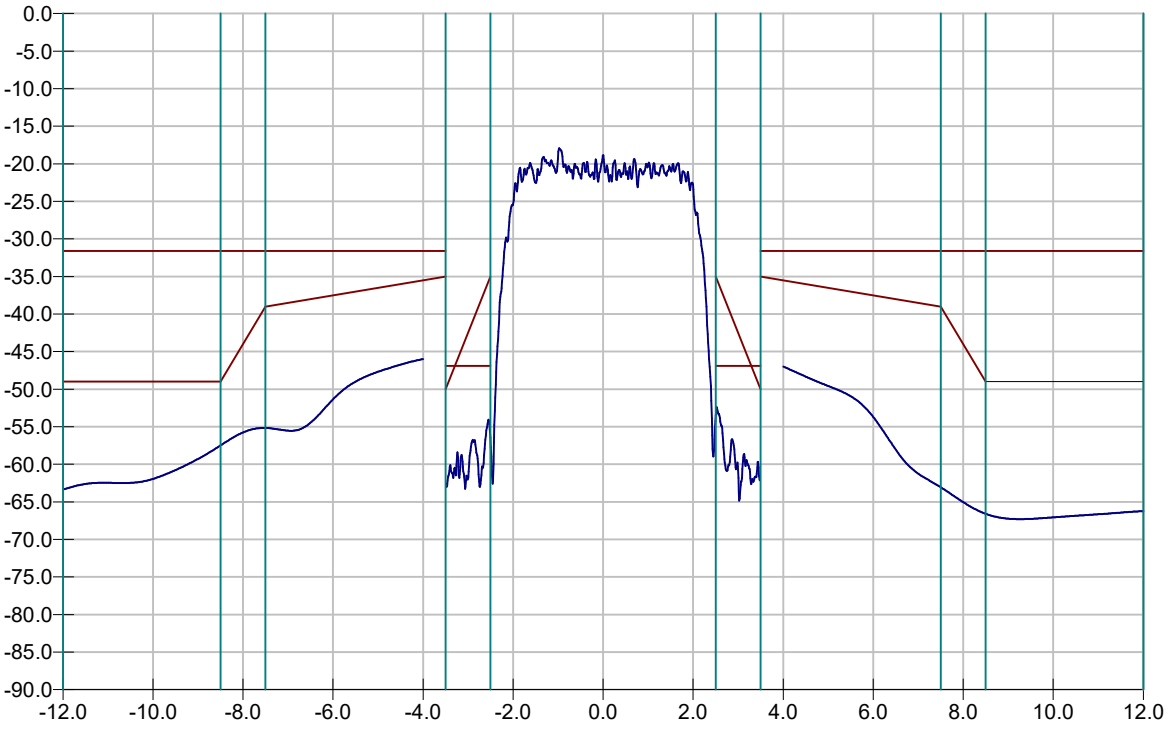
Annex: Emission Mask Graph

DL Channel 3025, Attenuation (In/Out) 5.5 / 5.5 dB, Averaging: 10, 640 Chips



Annex: Emission Mask Graph

DL Channel 3088, Attenuation (In/Out) 5.5 / 5.5 dB, Averaging: 10, 640 Chips

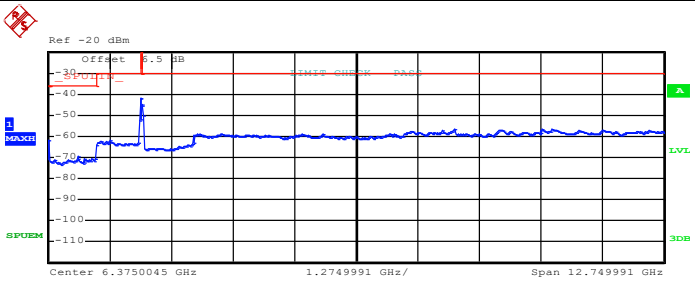


附錄 B. 混附波輻射

PLMN08 General Spurious Emissions

W-CDMA Band I

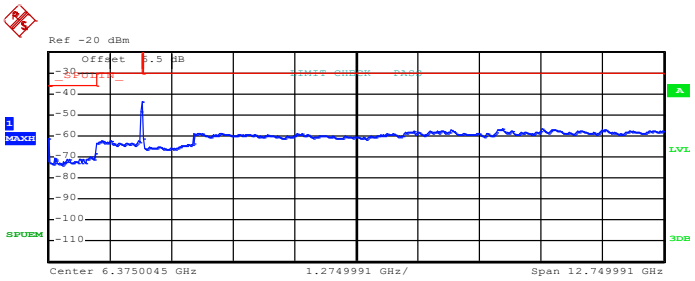
Low Channel



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
9.000 k	150.000 k	1.00 k	9.846000 k	-61.55	-25.55
150.000 k	30.000 M	10.00 k	150.000000 k	-65.99	-29.99
30.000 M	1.000 G	100.00 k	607.392500 M	-69.62	-33.62
1.000 G	1.910 G	1.00 M	1.904896 G	-42.19	-12.19
1.935 G	12.750 G	1.00 M	1.951123 G	-46.23	-16.23

Date: 15.JUL.2021 17:23:41

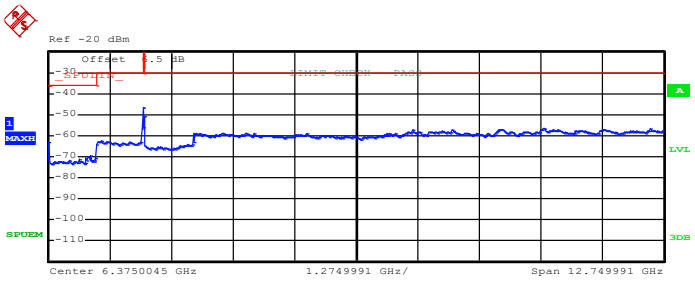
Middle Channel



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
9.000 k	150.000 k	1.00 k	9.564000 k	-61.01	-25.01
150.000 k	30.000 M	10.00 k	538.050000 k	-65.96	-29.96
30.000 M	1.000 G	100.00 k	994.422500 M	-68.08	-32.08
1.000 G	1.938 G	1.00 M	1.936445 G	-43.78	-13.78
1.962 G	12.750 G	1.00 M	1.965197 G	-51.88	-21.88

Date: 15.JUL.2021 17:15:42

High Channel

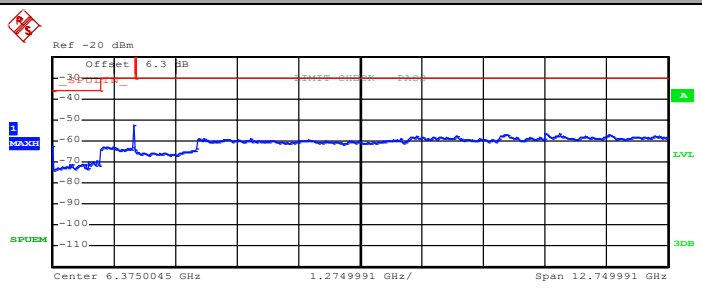


Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
9.000 k	150.000 k	1.00 k	11.538000 k	-62.77	-26.77
150.000 k	30.000 M	10.00 k	388.800000 k	-68.02	-32.02
30.000 M	1.000 G	100.00 k	875.718750 M	-69.64	-33.64
1.000 G	1.965 G	1.00 M	1.964014 G	-46.87	-16.87
1.990 G	12.750 G	1.00 M	1.991445 G	-50.52	-20.52

Date: 15.JUL.2021 17:11:15

W-CDMA Band III

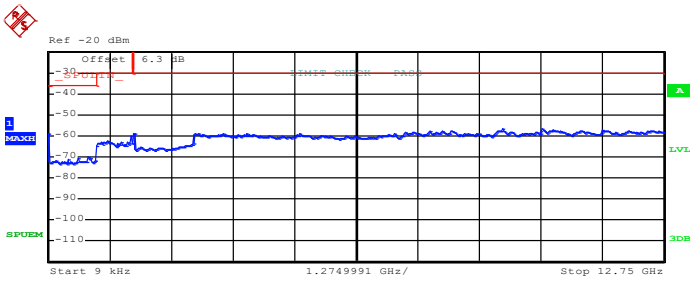
Low Channel



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
9.000 k	150.000 k	1.00 k	9.846000 k	-62.34	-26.34
150.000 k	30.000 M	10.00 k	239.550000 k	-67.55	-31.55
30.000 M	1.000 G	100.00 k	905.667500 M	-69.66	-33.66
1.000 G	1.700 G	1.00 M	1.693513 G	-52.54	-22.54
1.725 G	12.750 G	1.00 M	10.210093 G	-56.61	-26.61

Date: 15.JUL.2021 17:52:53

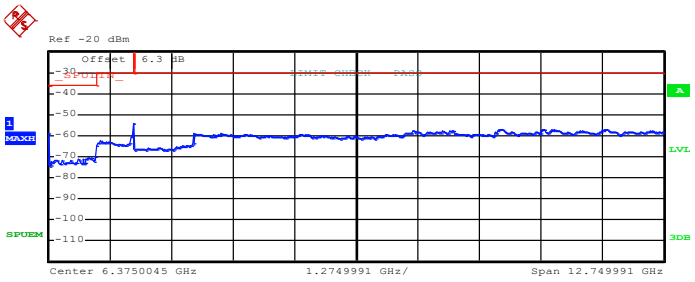
Middle Channel



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
9.000 k	150.000 k	1.00 k	10.692000 k	-59.10	-23.10
150.000 k	30.000 M	10.00 k	179.850000 k	-67.49	-31.49
30.000 M	1.000 G	100.00 k	804.787500 M	-70.23	-34.23
1.000 G	1.735 G	1.00 M	1.720018 G	-60.25	-30.25
1.760 G	12.750 G	1.00 M	9.404888 G	-56.71	-26.71

Date: 15.JUL.2021 17:39:45

High Channel

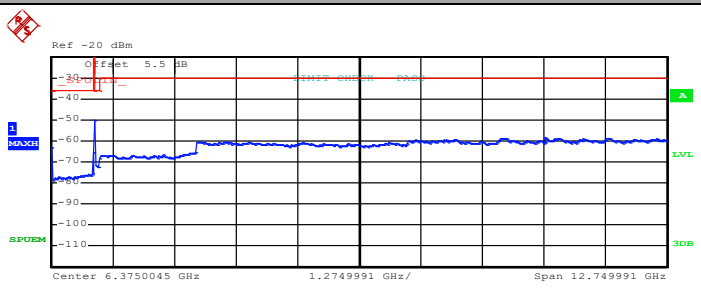


Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
9.000 k	150.000 k	1.00 k	32.688000 k	-59.15	-23.15
150.000 k	30.000 M	10.00 k	269.400000 k	-65.36	-29.36
30.000 M	1.000 G	100.00 k	991.755000 M	-69.79	-33.79
1.000 G	1.770 G	1.00 M	1.756046 G	-54.38	-24.38
1.795 G	12.750 G	1.00 M	11.547700 G	-56.86	-26.86

Date: 15.JUL.2021 17:34:28

W-CDMA Band VIII

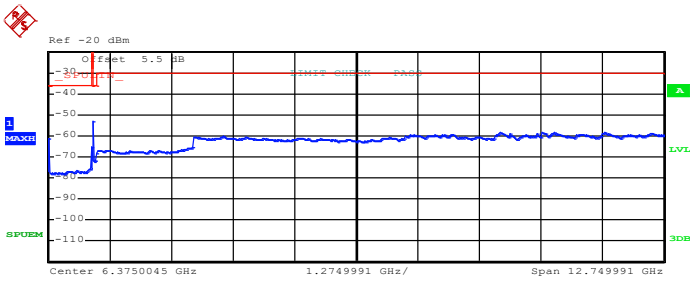
Low Channel



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
9.000 k	150.000 k	1.00 k	11.820000 k	-63.03	-27.03
150.000 k	30.000 M	10.00 k	150.000000 k	-68.13	-32.13
30.000 M	874.900 M	100.00 k	874.055100 M	-73.73	-37.73
899.900 M	1.000 G	100.00 k	900.600700 M	-49.96	-13.96
1.000 G	12.750 G	1.00 M	10.220812 G	-58.25	-28.25

Date: 15.JUL.2021 17:04:44

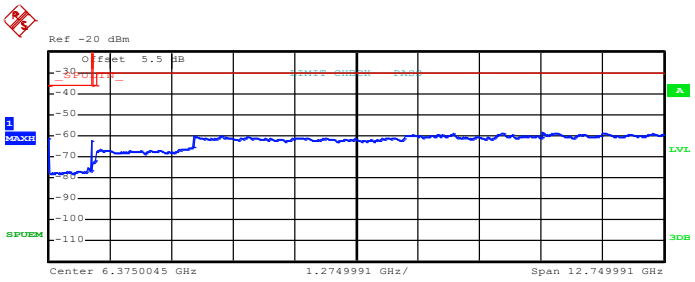
Middle Channel



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
9.000 k	150.000 k	1.00 k	9.987000 k	-61.29	-25.29
150.000 k	30.000 M	10.00 k	150.000000 k	-67.97	-31.97
30.000 M	887.500 M	100.00 k	886.642500 M	-65.42	-29.42
912.500 M	1.000 G	100.00 k	912.850000 M	-57.48	-21.48
1.000 G	12.750 G	1.00 M	10.473437 G	-58.24	-28.24

Date: 15.JUL.2021 17:00:10

High Channel



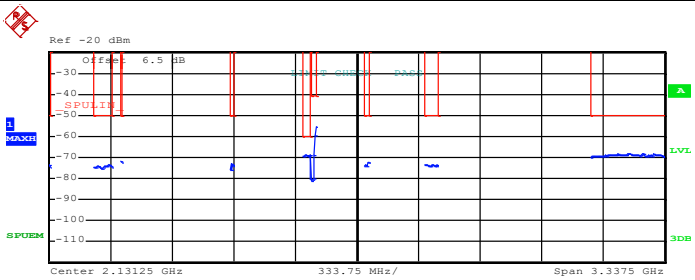
Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
9.000 k	150.000 k	1.00 k	9.000000 k	-61.12	-25.12
150.000 k	30.000 M	10.00 k	179.850000 k	-69.70	-33.70
30.000 M	900.100 M	100.00 k	898.359800 M	-65.47	-29.47
925.100 M	1.000 G	100.00 k	995.131500 M	-71.78	-35.78
1.000 G	12.750 G	1.00 M	10.226688 G	-58.53	-28.53

Date: 15.JUL.2021 16:50:02

PLMN08 Additional Spurious Emissions

W-CDMA Band I

Low Channel CSE-01



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
462.500 M	467.500 M	1.00 M	463.525000 M	-73.32	-23.32
703.000 M	803.000 M	1.00 M	791.800000 M	-73.55	-23.55
852.000 M	859.000 M	1.00 M	852.266000 M	-71.83	-21.83
1.447 G	1.467 G	1.00 M	1.449720 G	-72.87	-22.87
1.840 G	1.880 G	5.00 M	1.878420 G	-68.77	-8.77
1.885 G	1.910 G	300.00 k	1.909417 G	-55.24	-14.24
2.170 G	2.200 G	1.00 M	2.188960 G	-72.26	-22.26
2.496 G	2.570 G	1.00 M	2.539216 G	-73.50	-23.50
3.400 G	3.800 G	1.00 M	3.602000 G	-68.13	-18.13

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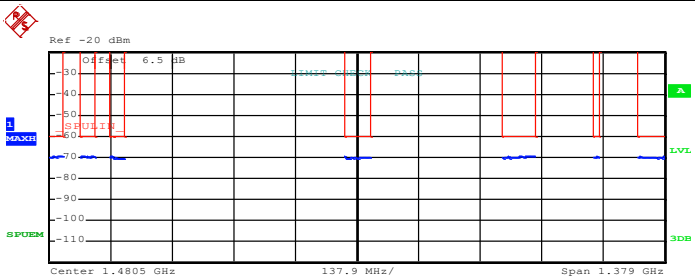
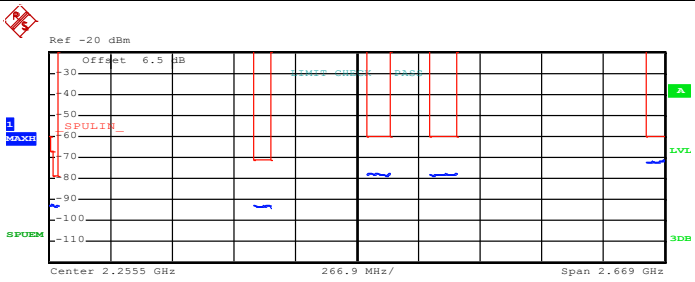
Low Channel CSE-02



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
791.000 M	821.000 M	5.00 M	810.830000 M	-69.21	-9.21
859.000 M	894.000 M	5.00 M	868.205000 M	-69.14	-9.14
925.000 M	935.000 M	5.00 M	928.790000 M	-69.62	-9.62
935.000 M	960.000 M	5.00 M	939.950000 M	-70.14	-10.14
1.452 G	1.511 G	5.00 M	1.477798 G	-69.72	-9.72
1.805 G	1.880 G	5.00 M	1.878050 G	-69.19	-9.19
2.010 G	2.025 G	5.00 M	2.018115 G	-69.64	-9.64
2.110 G	2.170 G	5.00 M	2.114500 G	-69.60	-9.60

Date: 15.JUL.2021 17:24:10

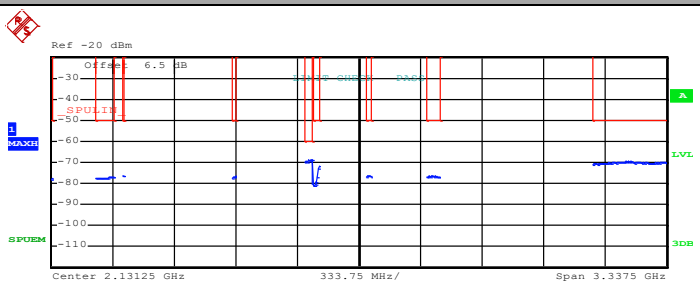
Low Channel CSE-03



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
921.000 M	925.000 M	100.00 k	921.904000 M	-92.78	-32.78
925.000 M	935.000 M	100.00 k	930.190000 M	-92.08	-25.08
935.000 M	960.000 M	100.00 k	951.350000 M	-92.72	-13.72
1.805 G	1.880 G	100.00 k	1.878425 G	-92.64	-21.64
2.300 G	2.400 G	5.00 M	2.307900 G	-77.49	-17.49
2.570 G	2.690 G	5.00 M	2.641400 G	-77.65	-17.65
3.510 G	3.590 G	5.00 M	3.585840 G	-71.43	-11.43

Date: 15.JUL.2021 17:24:30

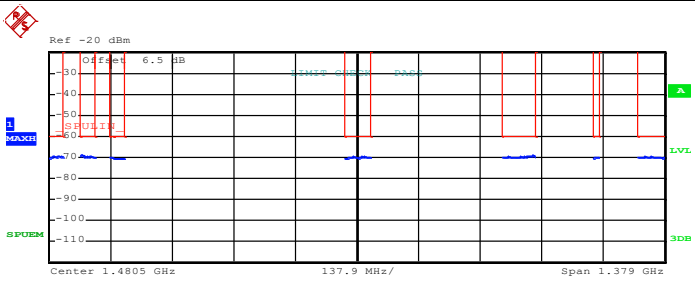
Middle Channel CSE-01



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
462.500 M	467.500 M	1.00 M	466.710000 M	-77.61	-27.61
703.000 M	803.000 M	1.00 M	797.300000 M	-77.04	-27.04
852.000 M	859.000 M	1.00 M	856.788000 M	-76.29	-26.29
1.447 G	1.467 G	1.00 M	1.463420 G	-76.54	-26.54
1.840 G	1.880 G	5.00 M	1.876540 G	-68.86	-8.86
1.885 G	1.916 G	300.00 k	1.915669 G	-71.64	-21.64
2.170 G	2.200 G	1.00 M	2.181400 G	-76.48	-26.48
2.496 G	2.570 G	1.00 M	2.545358 G	-76.55	-26.55
3.400 G	3.800 G	1.00 M	3.594400 G	-69.51	-19.51

Date: 15.JUL.2021 17:16:10

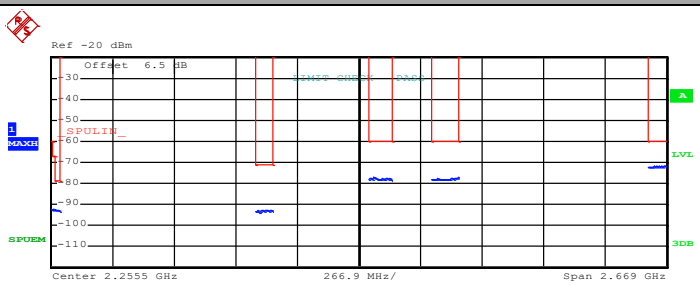
Middle Channel CSE-02



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
791.000 M	821.000 M	5.00 M	803.120000 M	-69.17	-9.17
859.000 M	894.000 M	5.00 M	862.885000 M	-68.72	-8.72
925.000 M	935.000 M	5.00 M	925.970000 M	-69.81	-9.81
935.000 M	960.000 M	5.00 M	946.000000 M	-70.38	-10.38
1.452 G	1.511 G	5.00 M	1.471673 G	-69.61	-9.61
1.805 G	1.880 G	5.00 M	1.874375 G	-68.91	-8.91
2.010 G	2.025 G	5.00 M	2.021835 G	-69.76	-9.76
2.110 G	2.170 G	5.00 M	2.124880 G	-69.58	-9.58

Date: 15.JUL.2021 17:16:52

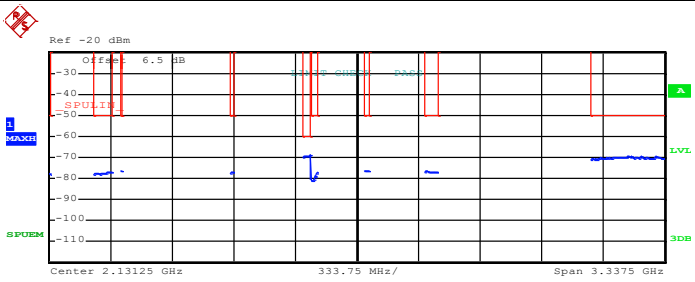
Middle Channel CSE-03



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
921.000 M	925.000 M	100.00 k	924.752000 M	-91.94	-31.94
925.000 M	935.000 M	100.00 k	931.890000 M	-92.08	-25.08
935.000 M	960.000 M	100.00 k	936.600000 M	-92.53	-13.53
1.805 G	1.880 G	100.00 k	1.860275 G	-92.59	-21.59
2.300 G	2.400 G	5.00 M	2.318700 G	-77.05	-17.05
2.570 G	2.690 G	5.00 M	2.686160 G	-77.08	-17.08
3.510 G	3.590 G	5.00 M	3.581280 G	-71.69	-11.69

Date: 15.JUL.2021 17:17:13

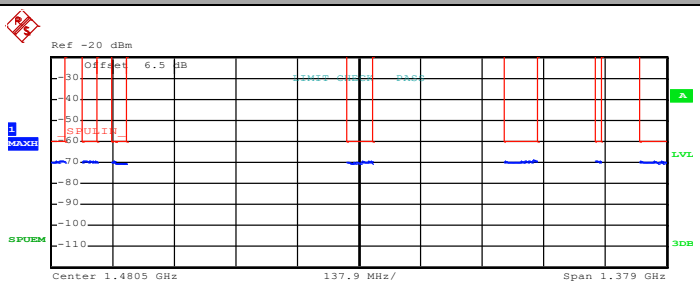
High Channel CSE-01



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
462.500 M	467.500 M	1.00 M	463.840000 M	-77.79	-27.79
703.000 M	803.000 M	1.00 M	791.700000 M	-76.80	-26.80
852.000 M	859.000 M	1.00 M	856.865000 M	-76.22	-26.22
1.447 G	1.467 G	1.00 M	1.451500 G	-76.86	-26.86
1.840 G	1.880 G	5.00 M	1.879300 G	-69.08	-9.08
1.885 G	1.916 G	300.00 k	1.915388 G	-77.25	-27.25
2.170 G	2.200 G	1.00 M	2.192200 G	-76.45	-26.45
2.496 G	2.570 G	1.00 M	2.514500 G	-76.61	-26.61
3.400 G	3.800 G	1.00 M	3.605200 G	-69.50	-19.50

Date: 15.JUL.2021 17:11:41

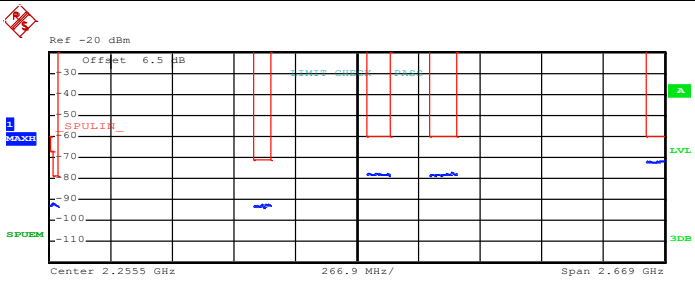
High Channel CSE-02



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
791.000 M	821.000 M	5.00 M	818.690000 M	-69.32	-9.32
859.000 M	894.000 M	5.00 M	862.430000 M	-69.22	-9.22
925.000 M	935.000 M	5.00 M	933.080000 M	-69.69	-9.69
935.000 M	960.000 M	5.00 M	957.900000 M	-70.45	-10.45
1.452 G	1.511 G	5.00 M	1.503066 G	-69.51	-9.51
1.805 G	1.880 G	5.00 M	1.870775 G	-69.01	-9.01
2.010 G	2.025 G	5.00 M	2.016600 G	-69.34	-9.34
2.110 G	2.170 G	5.00 M	2.112400 G	-69.48	-9.48

Date: 15.JUL.2021 17:12:02

High Channel CSE-03

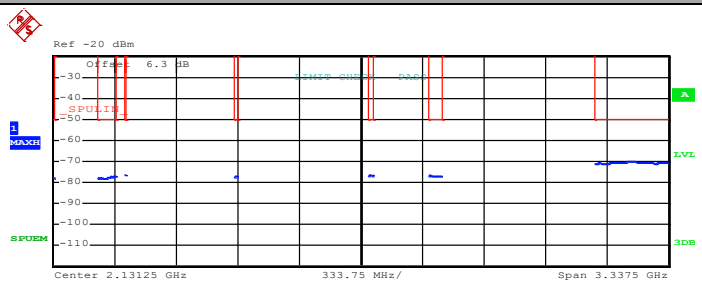


Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
921.000 M	925.000 M	100.00 k	922.868000 M	-92.63	-32.63
925.000 M	935.000 M	100.00 k	933.590000 M	-92.20	-25.20
935.000 M	960.000 M	100.00 k	939.150000 M	-91.88	-12.88
1.805 G	1.880 G	100.00 k	1.842650 G	-92.10	-21.10
2.300 G	2.400 G	5.00 M	2.307700 G	-77.72	-17.72
2.570 G	2.690 G	5.00 M	2.668040 G	-77.20	-17.20
3.510 G	3.590 G	5.00 M	3.580800 G	-71.93	-11.93

Date: 15.JUL.2021 17:12:21

W-CDMA Band III

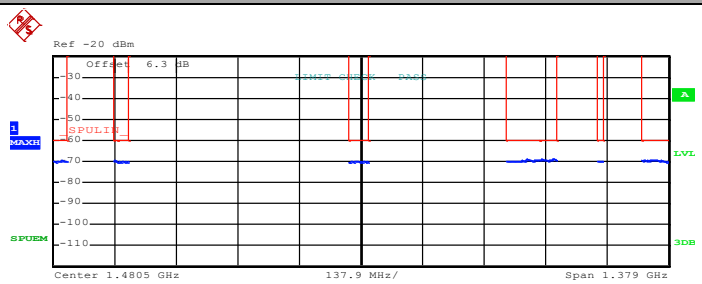
Low Channel CSE-01



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
462.500 M	467.500 M	1.00 M	463.695000 M	-77.67	-27.67
703.000 M	803.000 M	1.00 M	802.100000 M	-76.87	-26.87
852.000 M	859.000 M	1.00 M	855.661000 M	-76.39	-26.39
1.447 G	1.467 G	1.00 M	1.448140 G	-77.04	-27.04
2.170 G	2.200 G	1.00 M	2.180350 G	-76.67	-26.67
2.496 G	2.570 G	1.00 M	2.506582 G	-76.69	-26.69
3.400 G	3.800 G	1.00 M	3.611200 G	-69.79	-19.79

Date: 15.JUL.2021 17:53:20

Low Channel CSE-02



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
791.000 M	821.000 M	5.00 M	811.130000 M	-69.45	-9.45
925.000 M	935.000 M	5.00 M	929.120000 M	-69.67	-9.67
935.000 M	960.000 M	5.00 M	953.750000 M	-70.04	-10.04
1.452 G	1.496 G	5.00 M	1.481568 G	-69.83	-9.83
1.805 G	1.880 G	5.00 M	1.853900 G	-68.99	-8.99
1.880 G	1.920 G	5.00 M	1.913120 G	-68.68	-8.68
2.010 G	2.025 G	5.00 M	2.011680 G	-69.91	-9.91
2.110 G	2.170 G	5.00 M	2.141920 G	-69.36	-9.36

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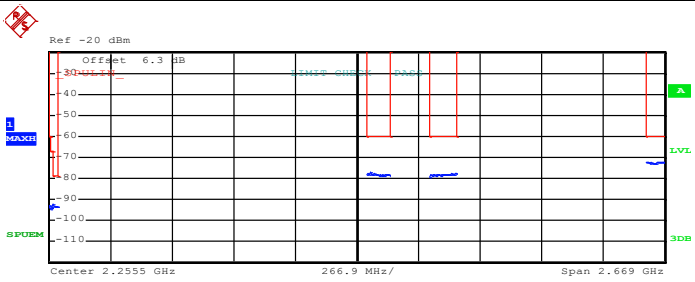
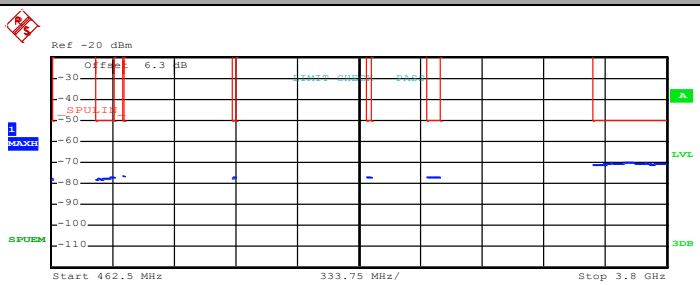
Low Channel CSE-03



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
921.000 M	925.000 M	100.00 k	923.568000 M	-93.03	-33.03
925.000 M	935.000 M	100.00 k	930.830000 M	-93.66	-26.66
935.000 M	960.000 M	100.00 k	936.250000 M	-92.37	-13.37
2.300 G	2.400 G	5.00 M	2.311800 G	-77.22	-17.22
2.570 G	2.690 G	5.00 M	2.667440 G	-77.32	-17.32
3.510 G	3.590 G	5.00 M	3.576560 G	-72.06	-12.06

Date: 15.JUL.2021 17:53:59

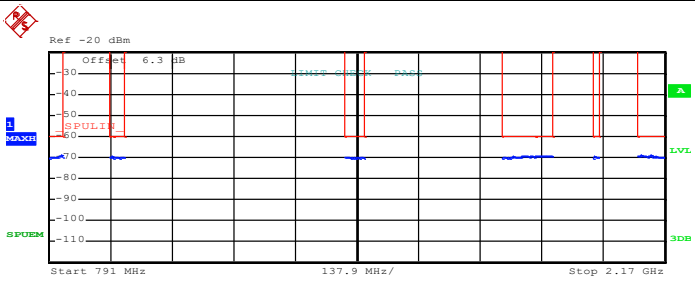
Middle Channel CSE-01



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
462.500 M	467.500 M	1.00 M	466.285000 M	-77.72	-27.72
703.000 M	803.000 M	1.00 M	798.100000 M	-76.96	-26.96
852.000 M	859.000 M	1.00 M	854.422000 M	-76.40	-26.40
1.447 G	1.467 G	1.00 M	1.464140 G	-76.95	-26.95
2.170 G	2.200 G	1.00 M	2.199640 G	-76.73	-26.73
2.496 G	2.570 G	1.00 M	2.511096 G	-76.76	-26.76
3.400 G	3.800 G	1.00 M	3.604800 G	-69.91	-19.91

Date: 15.JUL.2021 17:40:14

Middle Channel CSE-02



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
791.000 M	821.000 M	5.00 M	819.140000 M	-69.06	-9.06
925.000 M	935.000 M	5.00 M	934.980000 M	-69.51	-9.51
935.000 M	960.000 M	5.00 M	939.900000 M	-69.90	-9.90
1.452 G	1.496 G	5.00 M	1.480028 G	-69.78	-9.78
1.805 G	1.880 G	5.00 M	1.856525 G	-69.22	-9.22
1.880 G	1.920 G	5.00 M	1.896600 G	-69.21	-9.21
2.010 G	2.025 G	5.00 M	2.011545 G	-69.41	-9.41
2.110 G	2.170 G	5.00 M	2.117860 G	-68.85	-8.85

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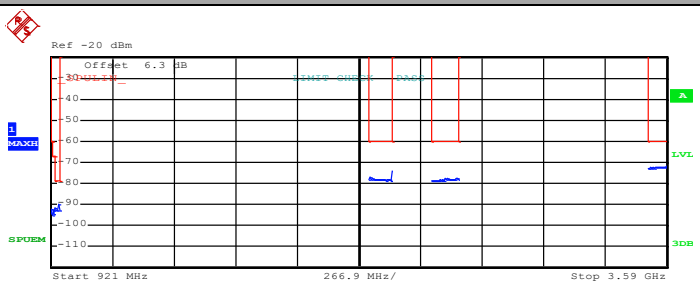
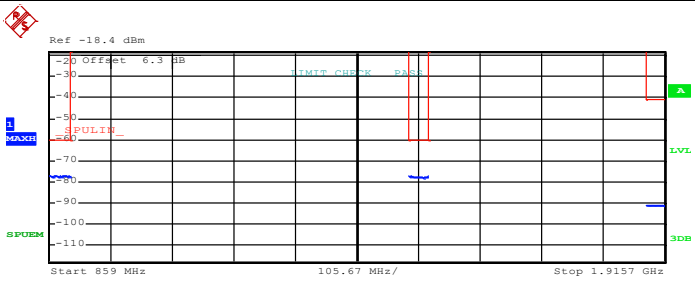
Middle Channel CSE-03



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
921.000 M	925.000 M	100.00 k	922.628000 M	-92.51	-32.51
925.000 M	935.000 M	100.00 k	934.770000 M	-92.94	-25.94
935.000 M	960.000 M	100.00 k	951.250000 M	-89.94	-10.94
2.300 G	2.400 G	5.00 M	2.399500 G	-73.86	-13.86
2.570 G	2.690 G	5.00 M	2.677880 G	-77.53	-17.53
3.510 G	3.590 G	5.00 M	3.587520 G	-71.64	-11.64

Date: 15.JUL.2021 17:40:53

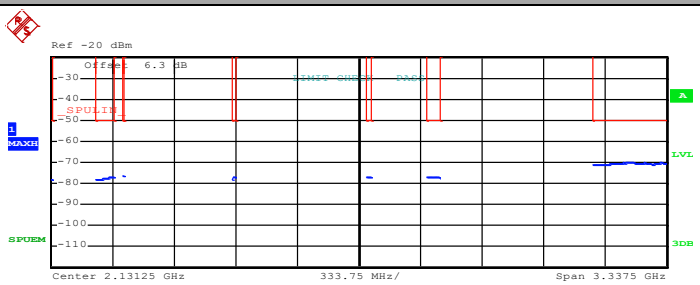
Middle Channel CSE-04



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
859.000 M	894.000 M	5.00 M	871.460000 M	-76.89	-16.89
1.476 G	1.511 G	5.00 M	1.509010 G	-77.30	-17.30
1.885 G	1.916 G	300.00 k	1.890646 G	-91.15	-50.15

Date: 15.JUL.2021 17:41:14

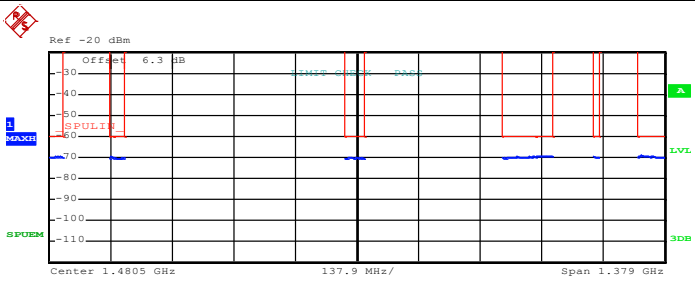
High Channel CSE-01



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
462.500 M	467.500 M	1.00 M	465.185000 M	-78.03	-28.03
703.000 M	803.000 M	1.00 M	801.500000 M	-77.13	-27.13
852.000 M	859.000 M	1.00 M	854.870000 M	-76.53	-26.53
1.447 G	1.467 G	1.00 M	1.465880 G	-76.86	-26.86
2.170 G	2.200 G	1.00 M	2.193820 G	-76.73	-26.73
2.496 G	2.570 G	1.00 M	2.527154 G	-76.76	-26.76
3.400 G	3.800 G	1.00 M	3.593600 G	-69.89	-19.89

Date: 15.JUL.2021 17:34:54

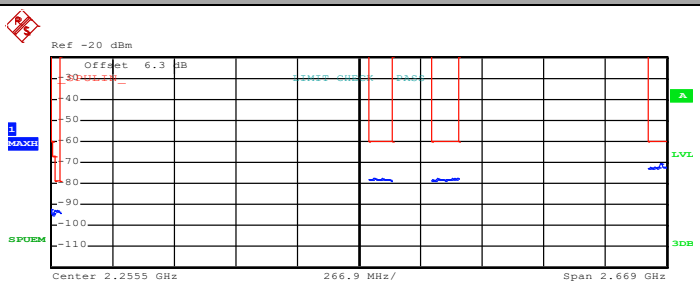
High Channel CSE-02



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
791.000 M	821.000 M	5.00 M	810.050000 M	-69.61	-9.61
925.000 M	935.000 M	5.00 M	930.210000 M	-69.69	-9.69
935.000 M	960.000 M	5.00 M	953.075000 M	-70.08	-10.08
1.452 G	1.496 G	5.00 M	1.484780 G	-69.78	-9.78
1.805 G	1.880 G	5.00 M	1.879775 G	-69.21	-9.21
1.880 G	1.920 G	5.00 M	1.899040 G	-69.21	-9.21
2.010 G	2.025 G	5.00 M	2.010105 G	-69.56	-9.56
2.110 G	2.170 G	5.00 M	2.116180 G	-68.63	-8.63

Date: 15.JUL.2021 17:35:13

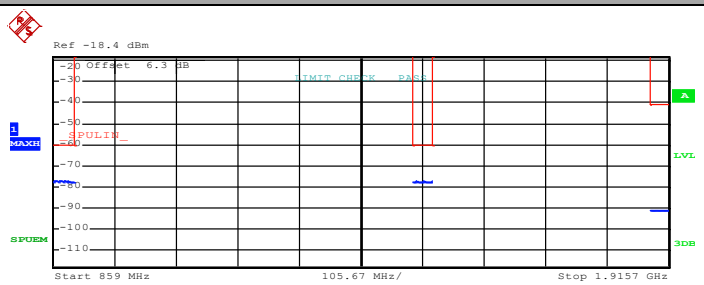
High Channel CSE-03



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
921.000 M	925.000 M	100.00 k	922.572000 M	-92.39	-32.39
925.000 M	935.000 M	100.00 k	934.550000 M	-94.05	-27.05
935.000 M	960.000 M	100.00 k	935.325000 M	-92.69	-13.69
2.300 G	2.400 G	5.00 M	2.319900 G	-77.51	-17.51
2.570 G	2.690 G	5.00 M	2.659400 G	-77.34	-17.34
3.510 G	3.590 G	5.00 M	3.565680 G	-70.54	-10.54

Date: 15.JUL.2021 17:35:32

High Channel CSE-04

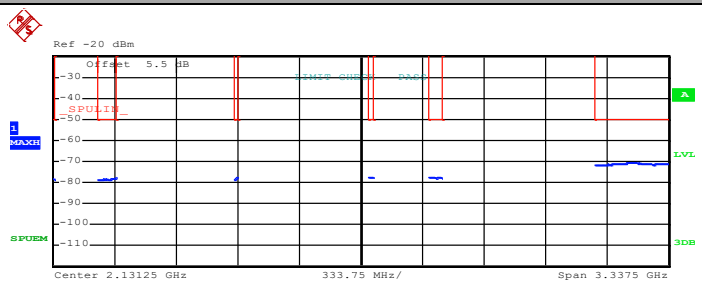


Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
859.000 M	894.000 M	5.00 M	860.190000 M	-76.97	-16.97
1.476 G	1.511 G	5.00 M	1.481605 G	-77.23	-17.23
1.885 G	1.916 G	300.00 k	1.904749 G	-91.29	-50.29

Date: 15.JUL.2021 17:35:55

W-CDMA Band VIII

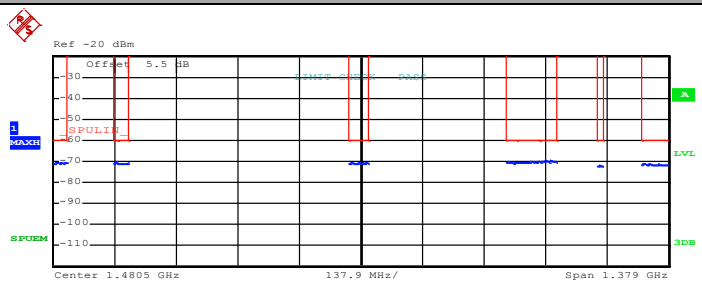
Low Channel CSE-01



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
462.500 M	467.500 M	1.00 M	465.790000 M	-78.47	-28.47
703.000 M	803.000 M	1.00 M	801.500000 M	-77.86	-27.86
1.447 G	1.467 G	1.00 M	1.454420 G	-77.76	-27.76
2.170 G	2.200 G	1.00 M	2.172100 G	-77.48	-27.48
2.496 G	2.570 G	1.00 M	2.558012 G	-77.60	-27.60
3.400 G	3.800 G	1.00 M	3.570400 G	-70.39	-20.39

Date: 15.JUL.2021 17:05:10

Low Channel CSE-02



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
791.000 M	821.000 M	5.00 M	796.430000 M	-70.52	-10.52
925.000 M	935.000 M	5.00 M	930.580000 M	-69.96	-9.96
935.000 M	960.000 M	5.00 M	958.000000 M	-70.74	-10.74
1.452 G	1.496 G	5.00 M	1.461328 G	-70.42	-10.42
1.805 G	1.830 G	5.00 M	1.810675 G	-70.25	-10.25
1.830 G	1.880 G	5.00 M	1.876800 G	-69.72	-9.72
1.880 G	1.920 G	5.00 M	1.894640 G	-69.55	-9.55
2.010 G	2.025 G	5.00 M	2.015927 G	-72.04	-12.04
2.110 G	2.170 G	5.00 M	2.113387 G	-71.34	-11.34

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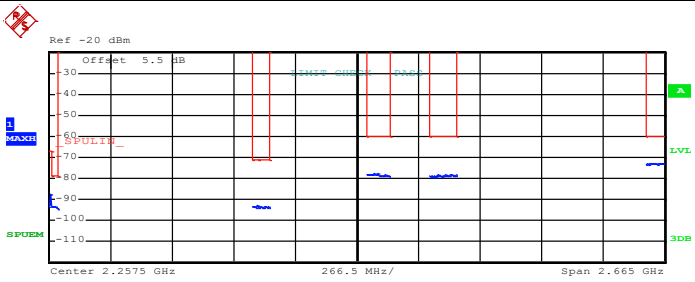
Low Channel CSE-03



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
925.000 M	935.000 M	100.00 k	930.910000 M	-87.64	-20.64
935.000 M	960.000 M	100.00 k	949.500000 M	-93.07	-14.07
1.805 G	1.830 G	100.00 k	1.826350 G	-92.73	-21.73
1.830 G	1.880 G	100.00 k	1.834000 G	-93.12	-22.12
2.300 G	2.400 G	5.00 M	2.346500 G	-77.76	-17.76
2.570 G	2.690 G	5.00 M	2.687840 G	-77.93	-17.93
3.510 G	3.590 G	5.00 M	3.575280 G	-72.66	-12.66

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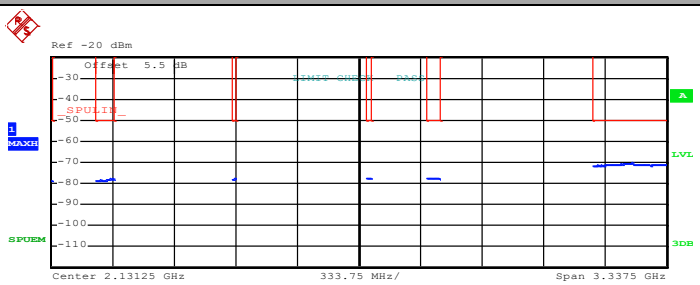
Middle Channel CSE-01



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
462.500 M	467.500 M	1.00 M	462.645000 M	-78.73	-28.73
703.000 M	803.000 M	1.00 M	798.300000 M	-77.87	-27.87
1.447 G	1.467 G	1.00 M	1.457220 G	-77.76	-27.76
2.170 G	2.200 G	1.00 M	2.185510 G	-77.46	-27.46
2.496 G	2.570 G	1.00 M	2.516424 G	-77.57	-27.57
3.400 G	3.800 G	1.00 M	3.612000 G	-70.22	-20.22

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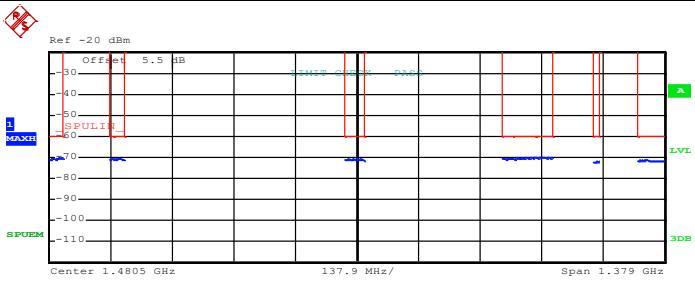
Middle Channel CSE-02



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
791.000 M	821.000 M	5.00 M	818.780000 M	-69.84	-9.84
925.000 M	935.000 M	5.00 M	932.800000 M	-70.69	-10.69
935.000 M	960.000 M	5.00 M	943.800000 M	-70.30	-10.30
1.452 G	1.496 G	5.00 M	1.460052 G	-70.70	-10.70
1.805 G	1.830 G	5.00 M	1.825575 G	-70.32	-10.32
1.830 G	1.880 G	5.00 M	1.871650 G	-69.89	-9.89
1.880 G	1.920 G	5.00 M	1.919280 G	-69.94	-9.94
2.010 G	2.025 G	5.00 M	2.023669 G	-72.01	-12.01
2.110 G	2.170 G	5.00 M	2.126935 G	-71.15	-11.15

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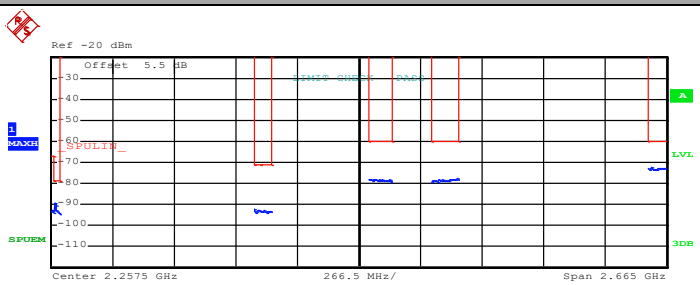
Middle Channel CSE-03



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
925.000 M	935.000 M	100.00 k	933.710000 M	-92.66	-25.66
935.000 M	960.000 M	100.00 k	943.400000 M	-89.46	-10.46
1.805 G	1.830 G	100.00 k	1.805950 G	-92.47	-21.47
1.830 G	1.880 G	100.00 k	1.845750 G	-92.93	-21.93
2.300 G	2.400 G	5.00 M	2.333300 G	-78.13	-18.13
2.570 G	2.690 G	5.00 M	2.685680 G	-77.67	-17.67
3.510 G	3.590 G	5.00 M	3.523840 G	-72.62	-12.62

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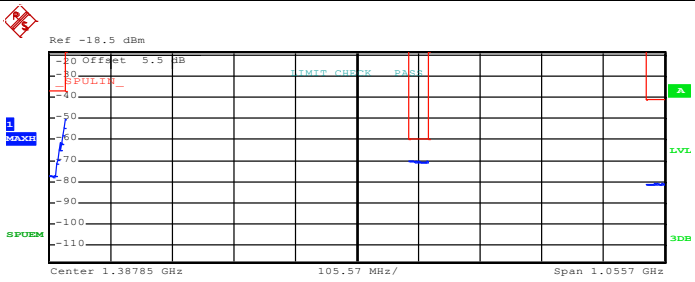
Middle Channel CSE-04



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
860.000 M	887.500 M	1.00 M	887.417500 M	-50.40	-13.40
1.476 G	1.511 G	5.00 M	1.489550 G	-70.18	-10.18
1.885 G	1.916 G	300.00 k	1.903594 G	-80.65	-39.65

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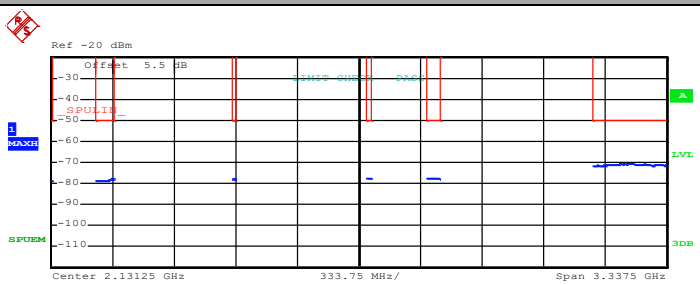
High Channel CSE-01



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
462.500 M	467.500 M	1.00 M	466.590000 M	-78.87	-28.87
703.000 M	803.000 M	1.00 M	802.300000 M	-77.78	-27.78
1.447 G	1.467 G	1.00 M	1.465880 G	-77.72	-27.72
2.170 G	2.200 G	1.00 M	2.171230 G	-77.52	-27.52
2.496 G	2.570 G	1.00 M	2.542028 G	-77.69	-27.69
3.400 G	3.800 G	1.00 M	3.574800 G	-70.48	-20.48

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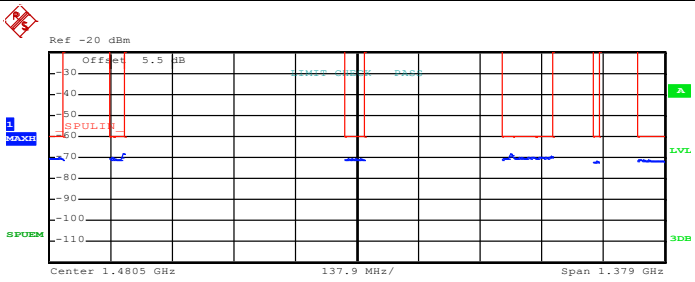
High Channel CSE-02



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
791.000 M	821.000 M	5.00 M	812.180000 M	-70.10	-10.10
925.100 M	935.000 M	5.00 M	930.733100 M	-70.29	-10.29
935.000 M	960.000 M	5.00 M	958.450000 M	-67.96	-7.96
1.452 G	1.496 G	5.00 M	1.462296 G	-70.79	-10.79
1.805 G	1.830 G	5.00 M	1.825775 G	-68.29	-8.29
1.830 G	1.880 G	5.00 M	1.830050 G	-69.89	-9.89
1.880 G	1.920 G	5.00 M	1.916040 G	-69.65	-9.65
2.010 G	2.025 G	5.00 M	2.017137 G	-71.91	-11.91
2.110 G	2.170 G	5.00 M	2.133226 G	-71.22	-11.22

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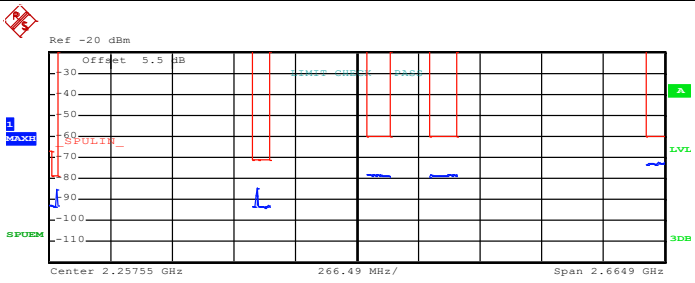
High Channel CSE-03



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
925.100 M	935.000 M	100.00 k	933.425900 M	-92.66	-25.66
935.000 M	960.000 M	100.00 k	957.350000 M	-85.11	-6.11
1.805 G	1.830 G	100.00 k	1.826875 G	-84.79	-13.79
1.830 G	1.880 G	100.00 k	1.876250 G	-92.32	-21.32
2.300 G	2.400 G	5.00 M	2.313300 G	-77.93	-17.93
2.570 G	2.690 G	5.00 M	2.675120 G	-78.23	-18.23
3.510 G	3.590 G	5.00 M	3.587360 G	-72.49	-12.49

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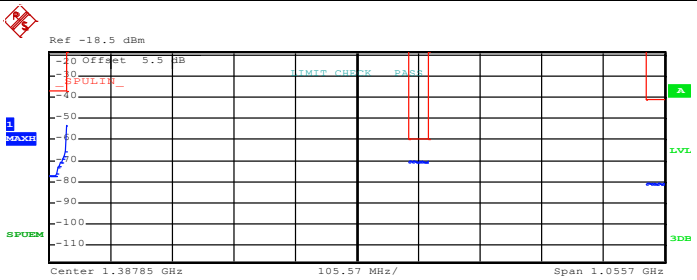
High Channel CSE-04



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
860.000 M	890.000 M	1.00 M	888.680000 M	-53.15	-16.15
1.476 G	1.511 G	5.00 M	1.495045 G	-70.18	-10.18
1.885 G	1.916 G	300.00 k	1.890615 G	-80.62	-39.62

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附錄 C. 災防告警細胞廣播訊息接收功能

待測設備(EUT)不具接取行動寬頻業務經營者提供之語音服務功能，此測項不適用。