



行動寬頻業務寬頻終端設備檢驗報告

產品名稱： 刷卡機

廠 牌： KURO

型 號： P500

申請廠商： 黑潮數位金融股份有限公司
臺北市大安區敦化南路 2 段 76 號 9 樓之 1

製造廠商： 上海世麥智能科技有限公司
上海市徐匯區徐虹中路 20 號 2 幢 5 樓 2522-2527 室

技術規範： 國家通訊傳播委員會 PLMN10 行動寬頻業務寬頻終端設備技術規範

- 測試產品接收日期為 民國 109 年 7 月 20 日。
- 於民國 109 年 9 月 2 日開始測試，民國 109 年 9 月 2 日結束測試。
- 此份部分測試報告，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。

填發本試驗報告之試驗機構 (認可領域代號)

耕興股份有限公司 (SL2-IN-E-0012)



報告簽署人: 陳文彥



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報告履歷

報告編號	發行版本	說明	報告發行日期
TO071523	01	初版	民國 109 年 12 月 16 日
TO071523	02	1. Add Antenna brand and model name. 2. Add Measuring Equipment brand. [此報告為更新版本，用以取代於 109 年 12 月 16 日所發行之報告]	民國 109 年 12 月 28 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
3.1	5.1	功率限制	符合	-
3.2	5.2	發射頻譜波罩	符合	-
3.3	5.3	傳導帶外輻射發射限制	符合	-
3.4	5.4	相鄰頻道洩漏功率比	符合	-
3.5	5.5	頻率容許差度	符合	-
-	5.6	電磁波能量比吸收率	不適用	僅針對語音服務功能者
3.6	5.7	電波功率密度	符合	-
-	5.11	災防告警細胞廣播訊息接收功能	不適用	僅針對語音服務功能者

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:

無

報告審查: 蔡 奇 霖

報告製作: 邱 淑 卿

1 產品基本資料

1.1 測試頻道

操作頻段	工作頻寬	低頻道	中間頻道	高頻道
☒ 2100MHz 頻段 (Band 1)	☒ 5.0MHz	1922.5 MHz	1950.0 MHz	1977.5 MHz
	☒ 10.0MHz	1925.0 MHz	1950.0 MHz	1975.0 MHz
	☒ 15.0MHz	1927.5 MHz	1950.0 MHz	1972.5 MHz
	☒ 20.0MHz	1930.0 MHz	1950.0 MHz	1970.0 MHz
☐ 1800MHz 頻段 (Band 3)	☐ 1.4MHz	1710.7 MHz	1747.5 MHz	1784.3 MHz
	☐ 3.0MHz	1711.5 MHz	1747.5 MHz	1783.5 MHz
	☐ 5.0MHz	1712.5 MHz	1747.5 MHz	1782.5 MHz
	☐ 10.0MHz	1715.0 MHz	1747.5 MHz	1780.0 MHz
	☐ 15.0MHz	1717.5 MHz	1747.5 MHz	1777.5 MHz
	☐ 20.0MHz	1720.0 MHz	1747.5 MHz	1775.0 MHz
☐ 2500MHz 與 2600MHz 頻段 (Band 7)	☐ 5.0MHz	2502.5 MHz	2535.0 MHz	2567.5 MHz
	☐ 10.0MHz	2505.0 MHz	2535.0 MHz	2565.0 MHz
	☐ 15.0MHz	2507.5 MHz	2535.0 MHz	2562.5 MHz
	☐ 20.0MHz	2510.0 MHz	2535.0 MHz	2560.0 MHz
☐ 900MHz 頻段 (Band 8)	☐ 1.4MHz	885.7 MHz	900.0 MHz	914.3 MHz
	☐ 3.0MHz	886.5 MHz	900.0 MHz	913.5 MHz
	☐ 5.0MHz	887.5 MHz	900.0 MHz	912.5 MHz
	☐ 10.0MHz	890.0 MHz	900.0 MHz	910.0 MHz
☐ 700MHz 頻段 (Band 28)	☐ 3.0MHz	704.5 MHz	725.5 MHz	746.5 MHz
	☐ 5.0MHz	705.5 MHz	725.5 MHz	745.5 MHz
	☐ 10.0MHz	708.0 MHz	725.5 MHz	743.0 MHz
	☐ 15.0MHz	710..5 MHz	725.5 MHz	740.5 MHz
	☐ 20.0MHz	713.0 MHz	725.5 MHz	738.0 MHz
☐ 2500MHz 與 2600MHz 頻段 (2500MHz– 2690MHz)	☐ 5.0MHz	2502.5 MHz	2502.5 MHz	2502.5 MHz
	☐ 10.0MHz	2595.0 MHz	2595.0 MHz	2595.0 MHz
	☐ 15.0MHz	2687.5 MHz	2687.5 MHz	2687.5 MHz
	☐ 20.0MHz	2505.0 MHz	2505.0 MHz	2505.0 MHz

1.2 待測設備之一般敘述

產品功能及說明		
Product Type	☐ Portable Mobile Station	☒ Handheld Mobile Station
IMEI	868342040011931	
Antenna Information	Brand:	SUNNYWAY
	Model Name:	MR022IB03-1
	Antenna Type:	CHIP Antenna
	Antenna Gain:	Band 1 : 3.69dBi
Operational Condition	EUT Power Type	From 條碼列印底座或可充式鋰電池組

1.3 測試場地

實驗室名稱	耕興股份有限公司	
實驗室資訊	桃園縣龜山鄉華亞一路 52 號	
	TEL: +886-3-3273456 / FAX: +886-3-3284978	
場地資訊	測試場地：TH01-HY	測試人員：戴偉國
	溫度: 24.1 ~ 26.1 °C	濕度: 50 ~ 60 %

1.4 法規依據

- 國家通訊傳播委員會 PLMN10 行動寬頻業務寬頻終端設備技術規範 (中華民國一百零七年三月十二日)
- 3GPP TS 36.521 v15.2.0 (2018-10)

2 待測設備的測試配置

2.1 待測設備的測試操作

During testing, EUT was controlled by system simulator to set the operating channel as well as the output power level.

2.2 正常與極限測試條件

RF Conducted	Abbreviation	Remark
TnomVnom	Tnom	20°C
-	Vnom	5V
FS	Remark	-
-20°C	-	-
-10°C	-	-
0°C	-	-
10°C	-	-
20°C	-	-
30°C	-	-
40°C	-	-
50°C	-	-
5.75V	-	-
5V	-	-
4.25V	-	-

2.3 待測設備樣品特性與規格重點敘述

Accessories					
No.	Equipment Name	Brand Name	Model Name	Rating	Remark
1	可充式鋰電池組	黑潮數位金融股份有限公司	KURO-2020	3.7Vdc, 3200 mAh, 11.84Wh	-
2	電源供應器	天立電子有限公司	ZZU1588-450050	INPUT:100-240V~1.5A,Max, 50-60Hz OUTPUT:5V, 4.5A,22.5W	For 條碼列印底座 use With DC Cable: Non-shielded,1.2m
3	條碼列印底座	上海世麥智能科技有限公司	CRDP500-P	-	-
4	電源線組	崑璞實業有限公司	QP-030+QP-045 (7A C7)	Non-shielded,1.8m	For 電源供應器 use

Reminder: Regarding to more detail and other information, please refer to user manual.



2.4 量測系統之描述

Support Equipment – RF Conducted				
No.	Equipment	Brand Name	Model Name	FCC ID
1	SIM card	R&S	eSIM	-
2	DC Power Supply	GW	GPS-3030DD	-

3 測試項目

3.1 功率限制

3.1.1 Limit

Item	Limits
等效輻射功率	手持式行動臺設備限制為 1W。 移動式行動臺設備限制為 2W。
傳導輸出功率	FDD for 23 (dBm) +2.7/-3.2 (dB) TDD for 23 (dBm) +2.7/-2.7 (dB) High Power User Equipment for 26 dBm) +2.7/-2.7 (dB)

3.1.2 Test Configuration

Testing Channel : Low, Middle, High Channel

Testing Bandwidth : Lowest, 5MHz and Highest

頻道頻寬	下行結構	上行結構		
		調變方式	資源區塊分配	
			FDD	TDD
1.4MHz	終端設備最大發射功率測試 不適用	QPSK	1	1
1.4MHz		QPSK	5	5
3MHz		QPSK	1	1
3MHz		QPSK	4	4
5MHz		QPSK	1	1
5MHz		QPSK	8	8
10MHz		QPSK	1	1
10MHz		QPSK	12	12
15MHz		QPSK	1	1
15MHz		QPSK	16	16
20MHz		QPSK	1	1
20MHz		QPSK	18	18

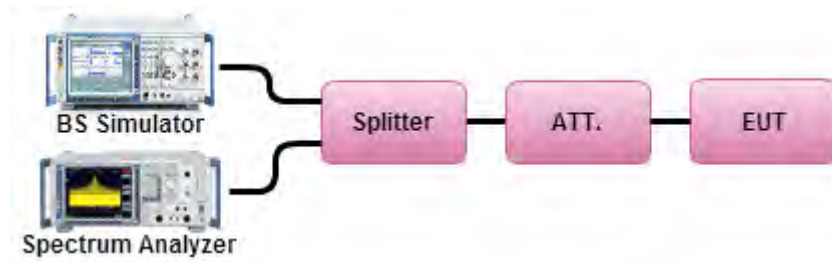
3.1.3 Test Procedure

Conducted Output power (P_{out}) be followed 3GPP Standard TS36.521-1 Section 6.2.2

$$\begin{aligned}\text{Effective Radiated Power (ERP)} &= P_{out} + \text{Peak Gain} - 2.15 \text{ (dBm)} \\ &= 10^{[(P_{out} + \text{Peak Gain} - 2.15)/10]-3} \text{ (W)}\end{aligned}$$

Unit of Antenna Gain is “dBi”.

3.1.4 Test Setup



3.1.5 功率限制測試結果

請參閱附錄 A.

3.2 發射頻譜波罩

3.2.1 Limit

Δf_{OOB} (MHz)	發射限制值(dB)/頻道頻寬						
	1.4MHz	3MHz	5MHz	10MHz	15MHz	20MHz	解析頻寬
± 0 to 1	-8.5	-11.5	-13.5	-16.5	-18.5	-19.5	30kHz
± 1 to 2.5	-8.5	-8.5	-8.5	-8.5	-8.5	-8.5	1MHz
± 2.5 to 2.8	-23.5	-8.5	-8.5	-8.5	-8.5	-8.5	1MHz
± 2.8 to 5	-	-8.5	-8.5	-8.5	-8.5	-8.5	1MHz
± 5 to 6	-	-23.5	-11.5	-11.5	-11.5	-11.5	1MHz
± 6 to 10	-	-	-23.5	-11.5	-11.5	-11.5	1MHz
± 10 to 15	-	-	-	-23.5	-11.5	-11.5	1MHz
± 15 to 20	-	-	-	-	-23.5	-11.5	1MHz
± 20 to 25	-	-	-	-	-	-23.5	1MHz

備註： Δf_{OOB} 是發射頻帶外的頻率偏移量 (Δ Frequency of Out-of-band emission)

3.2.2 Test Configuration

Testing Channel : Low, Middle, High Channel

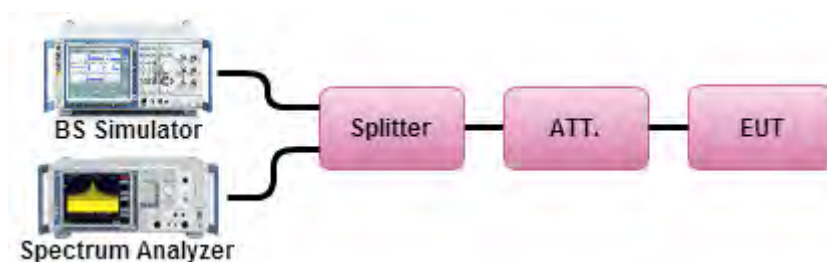
Testing Bandwidth : Lowest, 5MHz, 10MHz and Highest

	下行結構	上行結構		
頻道頻寬	頻譜波罩測試不適用	調變方式	資源區塊分配	
			FDD	TDD
1.4MHz		QPSK	6	6
1.4MHz		QPSK	5	5
1.4MHz		16QAM	6	6
1.4MHz		16QAM	5	5
3MHz		QPSK	15	15
3MHz		QPSK	4	4
3MHz		16QAM	15	15
3MHz		16QAM	4	4
5MHz		QPSK	25	25
5MHz		QPSK	8	8
5MHz		16QAM	25	25
5MHz		16QAM	8	8
10MHz		QPSK	50	50
10MHz		QPSK	12	12
10MHz		16QAM	50	50
10MHz		16QAM	12	12
15MHz		QPSK	75	75
15MHz		QPSK	16	16
15MHz		16QAM	75	75
15MHz		16QAM	16	16
20MHz		QPSK	100	100
20MHz		QPSK	18	18
20MHz		16QAM	100	100
20MHz		16QAM	18	18

3.2.3 Test Procedure

Follow 3GPP TS36.521 clause 6.6.2.1.

3.2.4 Test Setup



3.2.5 發射頻譜波罩測試結果

請參閱附錄 B.

3.3 傳導帶外輻射發射限制

3.3.1 Limit

頻率範圍	最大位準	解析頻寬
$9\text{kHz} \leq f < 150\text{kHz}$	-36 dBm	1kHz
$150\text{kHz} \leq f < 30\text{MHz}$	-36 dBm	10kHz
$30\text{MHz} \leq f < 1\text{GHz}$	-36 dBm	100kHz
$1\text{GHz} \leq f < 12.75\text{GHz}$	-30 dBm	1MHz

3.3.2 Test Configuration

Testing Channel : Low, Middle, High Channel

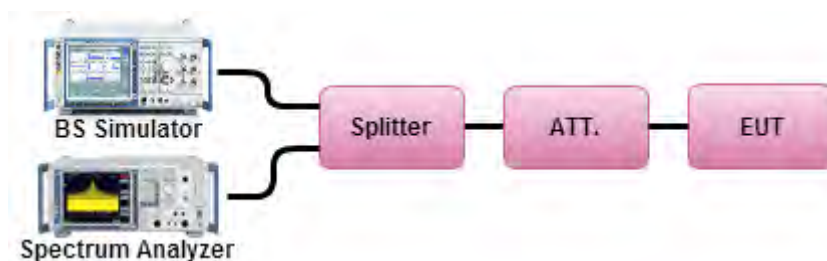
Testing Bandwidth : Lowest, 5MHz and Highest

頻道頻寬	下行結構	上行結構		
		調變方式	資源區塊分配	
			FDD	TDD
1.4MHz	帶外發射測試不適用	QPSK	1	1
1.4MHz		QPSK	6	6
3MHz		QPSK	1	1
3MHz		QPSK	15	15
5MHz		QPSK	1	1
5MHz		QPSK	25	25
10MHz		QPSK	1	1
10MHz		QPSK	50	50
15MHz		QPSK	1	1
15MHz		QPSK	75	75
20MHz		QPSK	1	1
20MHz		QPSK	100	100

3.3.3 Test Procedure

Follow 3GPP TS36.521 clause 6.6.3.1.

3.3.4 Test Setup



3.3.5 傳導帶外輻射發射限制測試結果

請參閱附錄 C.

3.4 相鄰頻道洩漏功率比

3.4.1 Limit

相鄰頻道偏移	頻道頻寬					
	1.4MHz	3MHz	5MHz	10MHz	15MHz	20MHz
	±1.4MHz	±3MHz	±5MHz	±10MHz	±15MHz	±20MHz
頻道量測頻寬	1.08 MHz	2.7 MHz	4.5 MHz	9.0 MHz	13.5 MHz	18 MHz
相鄰頻道洩漏 功率限制值	29.2dB					

3.4.2 Test Configuration

Testing Channel : Low, Middle, High Channel

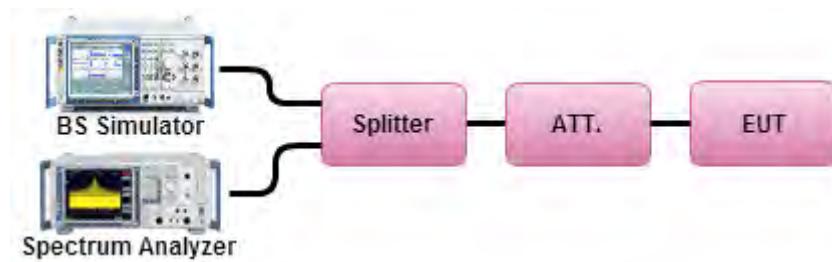
Testing Bandwidth : Lowest, 5MHz, 10MHz and Highest

頻道頻寬	下行結構	上行結構		
		調變方式	資源區塊分配	
			FDD	TDD
1.4MHz	相鄰頻道洩漏功率比測試不適用	QPSK	6	6
1.4MHz		QPSK	5	5
1.4MHz		16QAM	6	6
1.4MHz		16QAM	5	5
3MHz		QPSK	15	15
3MHz		QPSK	4	4
3MHz		16QAM	15	15
3MHz		16QAM	4	4
5MHz		QPSK	25	25
5MHz		QPSK	8	8
5MHz		16QAM	25	25
5MHz		16QAM	8	8
10MHz		QPSK	50	50
10MHz		QPSK	12	12
10MHz		16QAM	50	50
10MHz		16QAM	12	12
15MHz		QPSK	75	75
15MHz		QPSK	16	16
15MHz		16QAM	75	75
15MHz		16QAM	16	16
20MHz		QPSK	100	100
20MHz		QPSK	18	18
20MHz		16QAM	100	100
20MHz		16QAM	18	18

3.4.3 Test Procedure

Follow 3GPP TS36.521 clause 6.6.2.3.

3.4.4 Test Setup



3.4.5 相鄰頻道洩漏功率比測試結果

請參閱附錄 D.

3.5 頻率容許偏差

3.5.1 Limit

Frequency Stability Limit	
☒	The transmitter center frequency stability shall be ± 0.1 ppm maximum. The frequency stability shall be sufficient to ensure that the fundamental emissions stay within the authorized bands of operation.
☒	Temperature:
☒	-20°C to +50°C in 10°C step.
☒	Voltage:
☒	$\pm 15\%$ of the nominal value

3.5.2 Test Configuration

Testing Channel : Middle

Testing Bandwidth : Highest

Testing RB and allocation : Full RB#0

3.5.3 Test Procedure

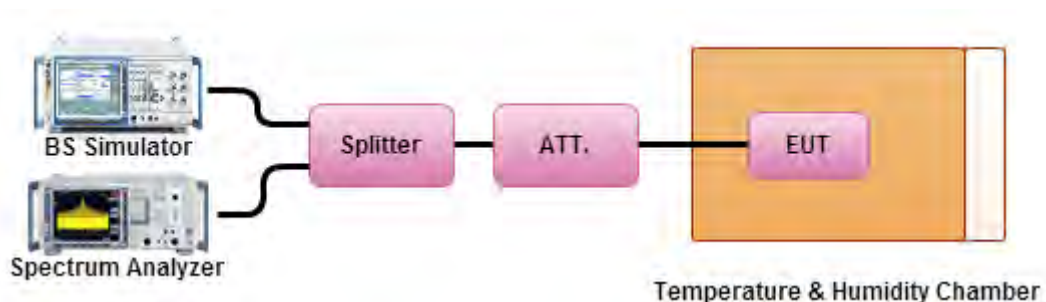
Setting of SA is following as: RBW:100kHz / VBW: 100kHz / Trace: MaxHold

Display line Level = Max. level – 10dB to place two markers, highest(fH) and lowest(fL) frequency

Determine measuring frequency $f = (fH - fL) / 2$

The frequency tolerance test case is directly measured using spectrum analyzer. Then the frequency error formula is $(f - f_c) / f_c \times 10^6$ ppm

3.5.4 Test Setup



3.5.5 頻率容許偏差測試結果

請參閱附錄 E.

3.6 電波功率密度

3.6.1 Limit

本項測試適用於移動式行動臺設備

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	1.00 mW/cm ²

3.6.2 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

3.6.3 電波功率密度測試結果

Mode	DG (dBi)	Power (dBm)	EIRP (dBm)	Toleran ce (dB)	Tune-u p EIRP (dBm)	Tune-u p EIRP (W)	Distanc e (cm)	S (mW/c m ²)	S Limit (mW/c m ²)
01;G7D	3.69	23.82	27.51	0.50	28.01	0.63241	20	0.12581	1.00000



4 List of Measuring Equipment

Instrument	Manufacturer & Brand	Model No.	Serial No.	Characteristics	Calibration Date	Due Date	Remark
Signal Analyzer	R&S	FSV 40	101013	10Hz~40GHz	19/Mar/2020	18/Mar/2021	Conducted (TH01-HY)
SMB100A Signal Generator	R&S	SMB100A03	181147	100kHz~40GHz	12/Nov/2018	11/Nov/2020	Conducted (TH01-HY)
WIDEBAND ADIO COMMUNICATION TESTER	R&S	CMW 500	141962	70MHz~3.3GHz	11/Sep/2019	10/Sep/2020	Conducted (FT05-HY)



Summary

Mode	Total Power (dBm)	EIRP (dBm)	Worst Tolerance (dB)
Band 1	-	-	-
LTE_5MHz_Nss1_1TX	23.66	27.35	0.66
LTE_20MHz_Nss1_1TX	23.82	27.51	0.82

Result

Mode	Result	Total Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP Limit (dBm)	Prate,c (dBm)	Tolerance Limit (dB)	Worst Tolerance (dB)	Port 1-Pmax,c (dBm)	Port 1-Prate,t (dBm)
Band 1_LTE_5MHz_Nss1,QPSK_1TX	-	-	-	-	-	-	-	-	-	-
1922.5MHz_RB 1,#RB L	Pass	23.60	3.69	27.29	35.15	23.00	+2.7~-3.2	0.60	23.60	23.60
1922.5MHz_RB 8,#RB L	Pass	23.55	3.69	27.24	35.15	23.00	+2.7~-3.2	0.55	23.55	23.55
1950MHz_RB 1,#RB L	Pass	23.59	3.69	27.28	35.15	23.00	+2.7~-3.2	0.59	23.59	23.59
1950MHz_RB 8,#RB L	Pass	23.66	3.69	27.35	35.15	23.00	+2.7~-3.2	0.66	23.66	23.66
1977.5MHz_RB 1,#RB H	Pass	23.41	3.69	27.10	35.15	23.00	+2.7~-3.2	0.41	23.41	23.41
1977.5MHz_RB 8,#RB H	Pass	23.52	3.69	27.21	35.15	23.00	+2.7~-3.2	0.52	23.52	23.52
Band 1_LTE_20MHz_Nss1,QPSK_1TX	-	-	-	-	-	-	-	-	-	-
1930MHz_RB 1,#RB L	Pass	23.66	3.69	27.35	35.15	23.00	+2.7~-3.2	0.66	23.66	23.66
1930MHz_RB 18,#RB L	Pass	23.66	3.69	27.35	35.15	23.00	+2.7~-3.2	0.66	23.66	23.66
1950MHz_RB 1,#RB L	Pass	23.82	3.69	27.51	35.15	23.00	+2.7~-3.2	0.82	23.82	23.82
1950MHz_RB 18,#RB L	Pass	23.63	3.69	27.32	35.15	23.00	+2.7~-3.2	0.63	23.63	23.63
1970MHz_RB 1,#RB H	Pass	23.56	3.69	27.25	35.15	23.00	+2.7~-3.2	0.56	23.56	23.56
1970MHz_RB 18,#RB H	Pass	23.73	3.69	27.42	35.15	23.00	+2.7~-3.2	0.73	23.73	23.73

Prate,c = Maximum Power limit.

Port n-Pmax,c = Port n Carrier output power.

Port n-Prate,t = Port n Carrier total output power.



Summary

Mode	Result	Worst Margin (dB)
Band 1	-	-
LTE_5MHz_Nss1,QPSK_1TX	Pass	9.09
LTE_10MHz_Nss1,QPSK_1TX	Pass	7.45
LTE_20MHz_Nss1,QPSK_1TX	Pass	9.29
LTE_5MHz_Nss1,16QAM_1TX	Pass	10.66
LTE_10MHz_Nss1,16QAM_1TX	Pass	9.75
LTE_20MHz_Nss1,16QAM_1TX	Pass	10.61



Result

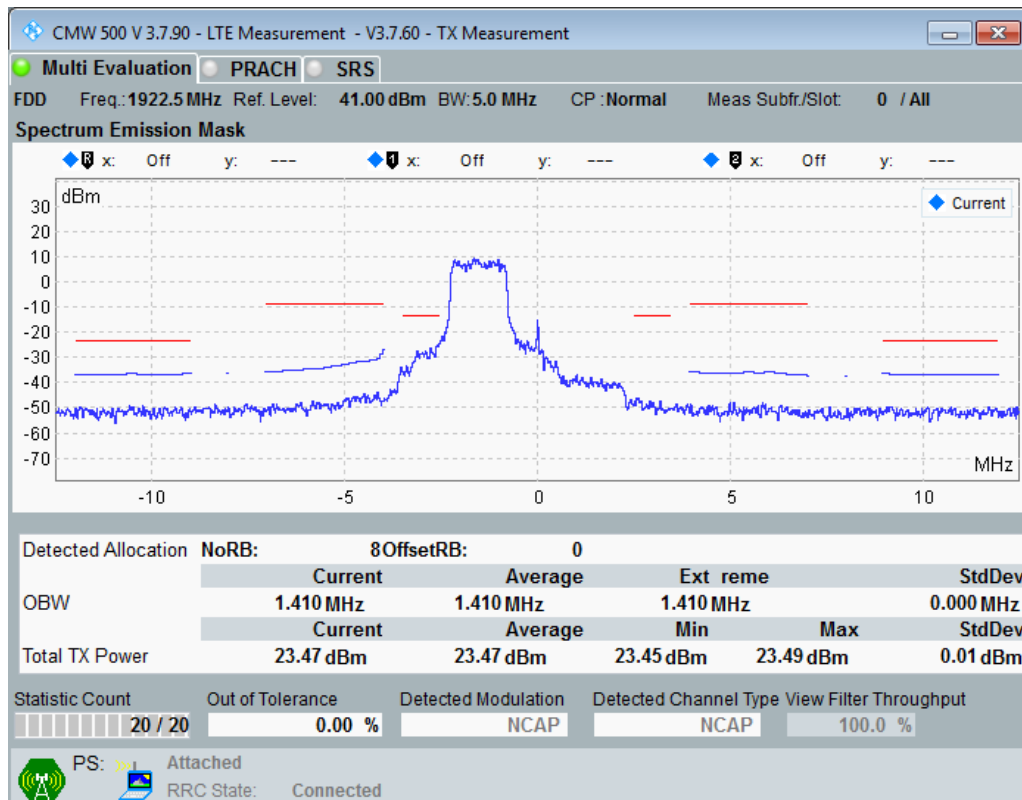
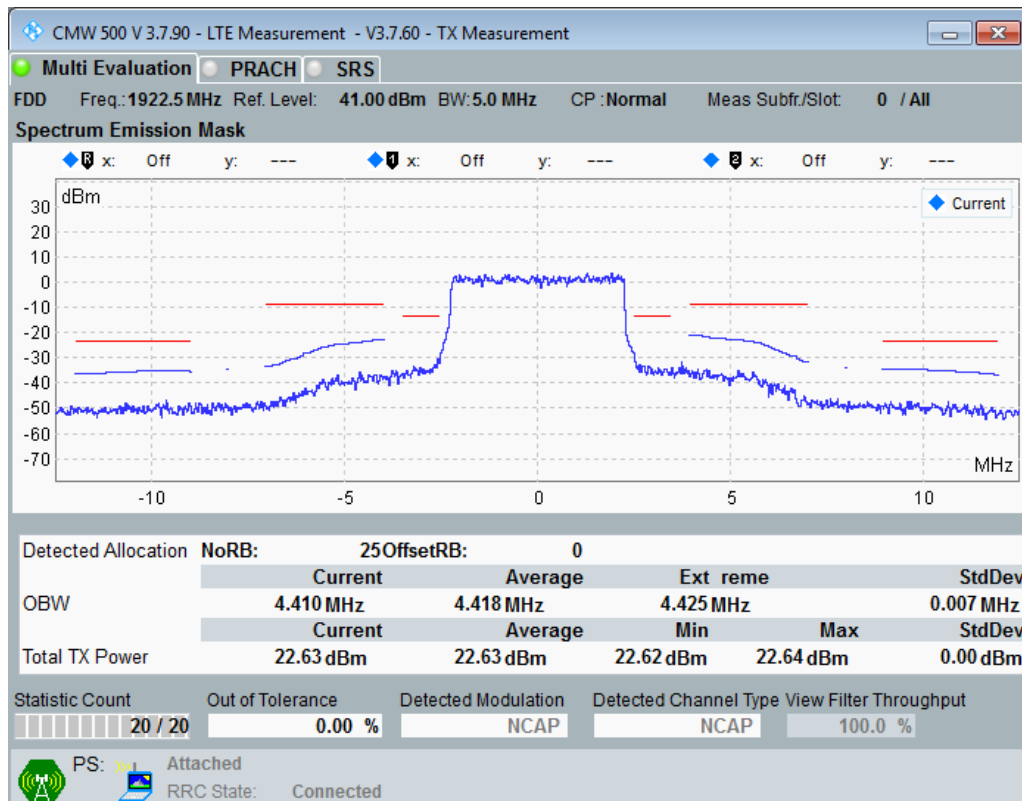
Mode	Result	Freq (MHz)	Margin (dB)	Freq (MHz)	Margin (dB)	Freq (MHz)	Margin (dB)	Freq (MHz)	Margin (dB)	Freq (MHz)	Margin (dB)	Freq (MHz)	Margin (dB)	Freq (MHz)	Margin (dB)	Freq (MHz)	Margin (dB)	Port
Band 1_LTE_5MHz_Nss1,QPSK_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1922.5MHz_RB 25,#RB 0	Pass	-2.515	15.92	-4	14.10	-8	23.20	-9.45	11.68	2.515	17.33	4	12.39	8	22.35	9.45	11.04	1
1922.5MHz_RB 8,#RB L	Pass	-2.515	10.16	-4	18.28	-8	24.56	-9	12.86	2.61	32.55	4	27.29	8	25.74	9	12.96	1
1922.5MHz_RB 8,#RB H	Pass	-2.715	33.97	-4.05	26.92	-8	24.76	-10.08	13.08	2.535	9.09	4	17.42	8	24.82	9.63	12.62	1
1950MHz_RB 25,#RB 0	Pass	-2.515	19.39	-4	22.47	-8	24.08	-10.62	11.78	2.515	18.71	6.21	19.41	8	21.33	9	9.60	1
1950MHz_RB 8,#RB L	Pass	-2.515	15.73	-4	19.31	-8	24.74	-9.09	12.38	2.685	32.53	5.76	27.29	8	25.02	9.63	12.57	1
1950MHz_RB 8,#RB H	Pass	-2.64	33.97	-5.85	26.95	-8	24.94	-10.62	12.80	2.535	15.46	4	18.57	8	24.66	10.71	12.84	1
1977.5MHz_RB 25,#RB 0	Pass	-2.515	22.83	-4	20.33	-8	22.93	-9.09	10.96	2.515	15.98	4	17.83	8	21.48	9	10.36	1
1977.5MHz_RB 8,#RB L	Pass	-2.595	13.28	-4	18.79	-8	24.07	-11.25	12.37	2.515	33.23	5.85	26.75	8	24.99	9.63	12.46	1
1977.5MHz_RB 8,#RB H	Pass	-2.58	32.56	-5.94	26.42	-8	25.14	-10.44	12.55	2.595	13.31	4	17.76	8	24.67	10.17	12.62	1
Band 1_LTE_10MHz_Nss1,QPSK_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1925MHz_RB 50,#RB 0	Pass	-5.19	19.20	-6.5	16.62	-10.5	17.35	-18.81	11.24	5.015	17.44	6.84	14.82	11.07	13.25	15.5	10.18	1
1925MHz_RB 12,#RB L	Pass	-5.04	7.45	-6.5	13.70	-11.88	23.80	-19.26	12.12	5.97	32.37	6.84	27.62	11.07	24.91	18.63	13.17	1
1925MHz_RB 12,#RB H	Pass	-5.085	32.46	-6.84	27.92	-11.34	25.15	-19.26	12.02	5.115	9.92	6.5	14.92	10.5	23.94	18.81	13.01	1
1950MHz_RB 50,#RB 0	Pass	-5.025	19.81	-8.1	22.93	-10.5	19.57	-16.02	10.47	5.085	21.66	8.46	20.25	11.43	15.72	15.66	10.05	1
1950MHz_RB 12,#RB L	Pass	-5.085	16.53	-6.5	20.55	-10.5	24.17	-19.5	11.93	5.025	33.16	8.73	27.17	12.33	24.73	16.92	12.64	1
1950MHz_RB 12,#RB H	Pass	-5.475	32.40	-9.45	28.07	-14.4	24.52	-18.45	11.49	5.015	14.41	6.5	18.63	12.69	24.13	19.44	12.60	1
1975MHz_RB 50,#RB 0	Pass	-5.015	20.91	-6.5	20.84	-12.87	18.03	-15.5	10.08	5.145	20.85	6.75	18.53	11.25	15.61	15.5	10.39	1
1975MHz_RB 12,#RB L	Pass	-5.025	13.57	-6.5	17.06	-11.34	24.02	-19.5	11.61	5.445	30.88	9.36	27.65	10.5	24.92	19.5	12.54	1
1975MHz_RB 12,#RB H	Pass	-5.28	32.28	-7.83	27.75	-13.23	24.25	-19.5	11.62	5.025	14.11	6.5	17.00	10.5	23.64	17.82	12.69	1
Band 1_LTE_20MHz_Nss1,QPSK_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1930MHz_RB 100,#RB 0	Pass	-10.11	19.01	-11.5	18.74	-15.66	17.65	-30.5	12.44	10.095	16.15	11.5	17.40	23.85	14.61	31.86	9.52	1
1930MHz_RB 18,#RB L	Pass	-10.035	9.29	-11.5	13.54	-15.5	22.77	-32.49	13.37	10.095	29.43	11.5	28.00	21.6	24.62	31.05	13.07	1
1930MHz_RB 18,#RB H	Pass	-10.305	29.08	-11.5	27.82	-19.8	23.61	-31.41	13.66	10.035	13.35	11.5	16.32	15.5	22.88	33.12	13.28	1
1950MHz_RB 100,#RB 0	Pass	-10.065	20.35	-14.22	21.56	-19.35	16.09	-30.5	9.88	10.08	18.98	14.5	20.03	26.46	15.24	32.58	10.62	1
1950MHz_RB 18,#RB L	Pass	-10.065	16.60	-11.5	21.18	-16.56	23.06	-31.68	13.37	10.05	29.32	13.32	27.72	22.86	24.45	31.32	13.11	1
1950MHz_RB 18,#RB H	Pass	-10.905	29.69	-14.5	27.96	-20.07	24.19	-31.77	13.09	10.015	15.04	11.61	17.46	15.5	23.18	34.5	13.18	1
1970MHz_RB 100,#RB 0	Pass	-10.065	21.40	-14.5	20.95	-21.6	15.95	-30.5	10.35	10.11	17.56	11.5	18.23	15.5	17.18	32.04	13.33	1
1970MHz_RB 18,#RB L	Pass	-10.065	15.09	-11.5	19.06	-15.5	23.22	-31.05	13.18	10.965	29.50	14.5	27.73	16.92	24.89	33.21	13.46	1
1970MHz_RB 18,#RB H	Pass	-10.305	30.56	-13.86	27.70	-16.56	23.94	-31.32	13.30	10.095	12.81	11.5	16.37	15.5	23.04	32.76	13.82	1
Band 1_LTE_5MHz_Nss1,16QAM_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1922.5MHz_RB 25,#RB 0	Pass	-2.565	19.68	-4	16.10	-8	23.57	-9	11.62	2.515	19.83	4	14.90	8	22.39	9	11.06	1
1922.5MHz_RB 8,#RB L	Pass	-2.515	13.76	-4	19.57	-8	25.06	-10.35	13.18	2.7	34.19	5.49	27.50	8	25.48	9.63	13.23	1
1922.5MHz_RB 8,#RB H	Pass	-2.61	34.09	-5.58	27.48	-8	24.98	-9	13.11	2.55	12.85	4	18.93	8	25.56	11.79	13.08	1
1950MHz_RB 25,#RB 0	Pass	-2.515	18.10	-4	22.14	-8	24.03	-9.45	11.49	2.515	20.37	4	19.88	8	21.68	9	11.15	1
1950MHz_RB 8,#RB L	Pass	-2.515	17.12	-4	21.48	-8	24.79	-10.26	12.67	3.45	34.41	5.94	27.16	8	25.57	11.88	12.69	1
1950MHz_RB 8,#RB H	Pass	-2.595	34.42	-5.94	26.68	-8	25.35	-11.79	12.91	2.55	16.86	4	20.07	8	24.93	9.18	12.41	1
1977.5MHz_RB 25,#RB 0	Pass	-2.515	21.53	-4	21.13	-8	22.26	-9.99	10.66	2.515	20.18	4	19.03	8	21.53	9	10.88	1
1977.5MHz_RB 8,#RB L	Pass	-2.515	14.48	-4	19.03	-8	24.69	-11.88	12.45	3.045	33.29	5.58	26.94	8	24.99	10.44	12.56	1
1977.5MHz_RB 8,#RB H	Pass	-2.61	33.64	-5.67	26.82	-8	25.22	-11.7	12.25	2.515	16.59	4	18.79	8	25.15	10.62	12.52	1
Band 1_LTE_10MHz_Nss1,16QAM_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1925MHz_RB 50,#RB 0	Pass	-5.025	20.03	-6.5	17.98	-10.5	18.40	-16.47	11.57	5.015	18.86	6.5	16.34	10.5	15.75	15.5	9.75	1
1925MHz_RB 12,#RB L	Pass	-5.015	12.06	-6.5	17.02	-11.25	24.08	-18.81	12.15	5.79	32.94	7.92	28.18	10.89	24.86	15.75	13.03	1
1925MHz_RB 12,#RB H	Pass	-5.025	32.10	-7.83	27.99	-12.6	24.43	-18.45	11.91	5.04	12.30	6.5	17.83	10.8	24.27	17.37	12.94	1
1950MHz_RB 50,#RB 0	Pass	-5.07	21.60	-6.5	21.90	-10.5	20.81	-19.26	10.84	5.055	23.02	6.5	20.82	10.5	17.45	15.5	10.39	1
1950MHz_RB 12,#RB L	Pass	-5.015	16.89	-6.5	21.52	-10.5	24.06	-19.5	12.02	5.88	32.92	6.5	27.74	14.5	25.02	19.5	12.76	1
1950MHz_RB 12,#RB H	Pass	-5.1	31.78	-6.5	27.67	-13.86	24.41	-19.35	11.81	5.015	15.39	6.5	18.31	11.07	24.20	17.19	12.59	1
1975MHz_RB 50,#RB 0	Pass	-5.025	23.43	-6.5	21.47	-10.62	19.41	-15.5	10.29	5.04	21.39	8.55	19.89	10.89	17.62	15.66	10.21	1
1975MHz_RB 12,#RB L	Pass	-5.055	16.22	-6.5	17.78	-11.07	24.08	-19.5	11.88	5.22	31.45	7.65	27.67	13.41	24.80	18.54	12.70	1
1975MHz_RB 12,#RB H	Pass	-5.015	32.29	-8.64	27.50	-13.59	24.43	-19.5	11.63	5.025	15.65	6.5	18.10	10.62	24.42	16.56	12.42	1
Band 1_LTE_20MHz_Nss1,16QAM_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1930MHz_RB 100,#RB 0	Pass	-10.545	21.11	-11.5	20.78	-19.26	18.52	-30.5	12.96	10.08	17.38	11.5	18.98	21.6	15.22	30.69	10.61	1
1930MHz_RB 18,#RB L	Pass	-10.335	12.86	-11.5	15.69	-15.5	23.38	-34.2	13.66	10.815	30.48	12.24	28.27	20.07	24.93	33.75	13.14	1

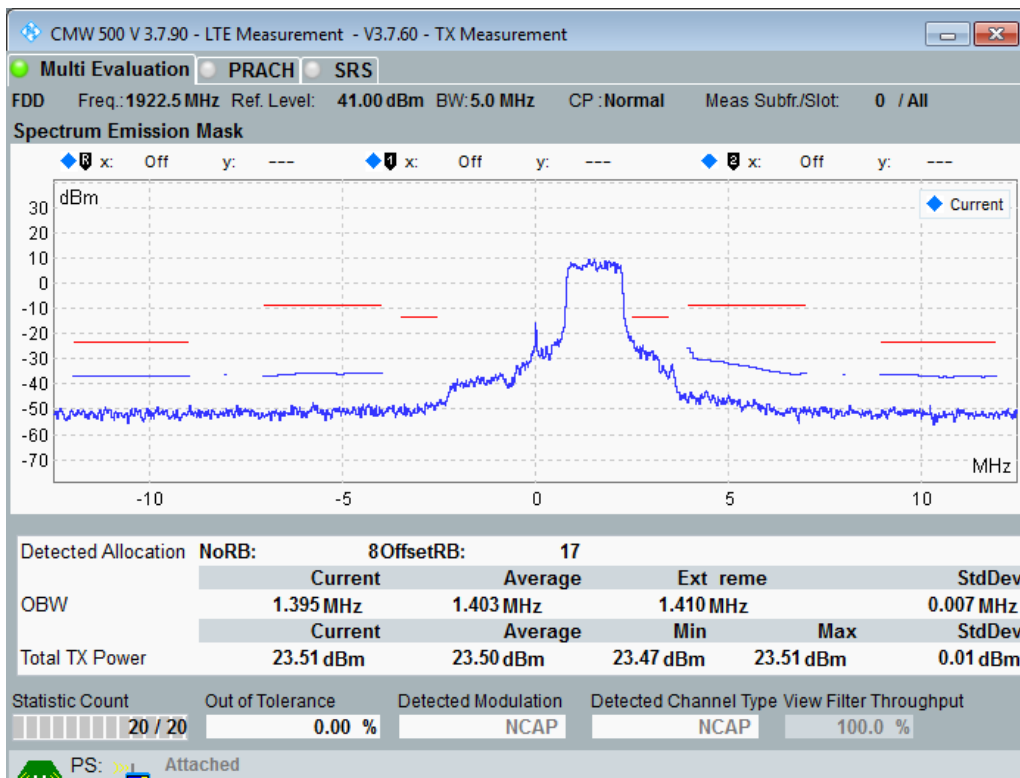


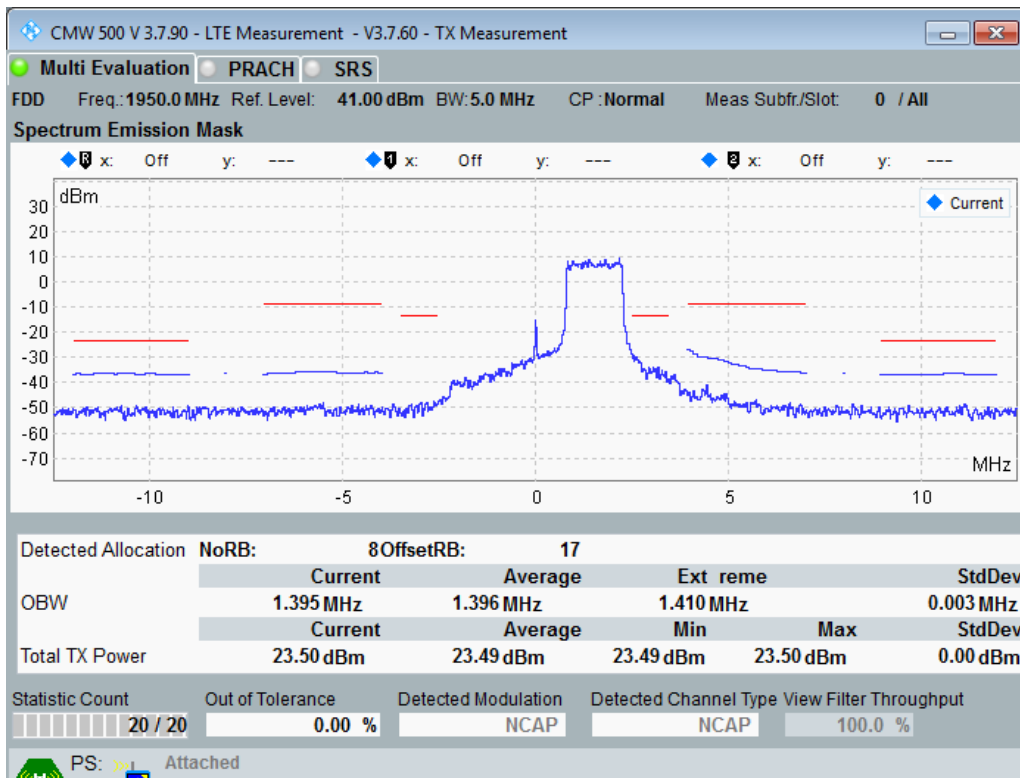
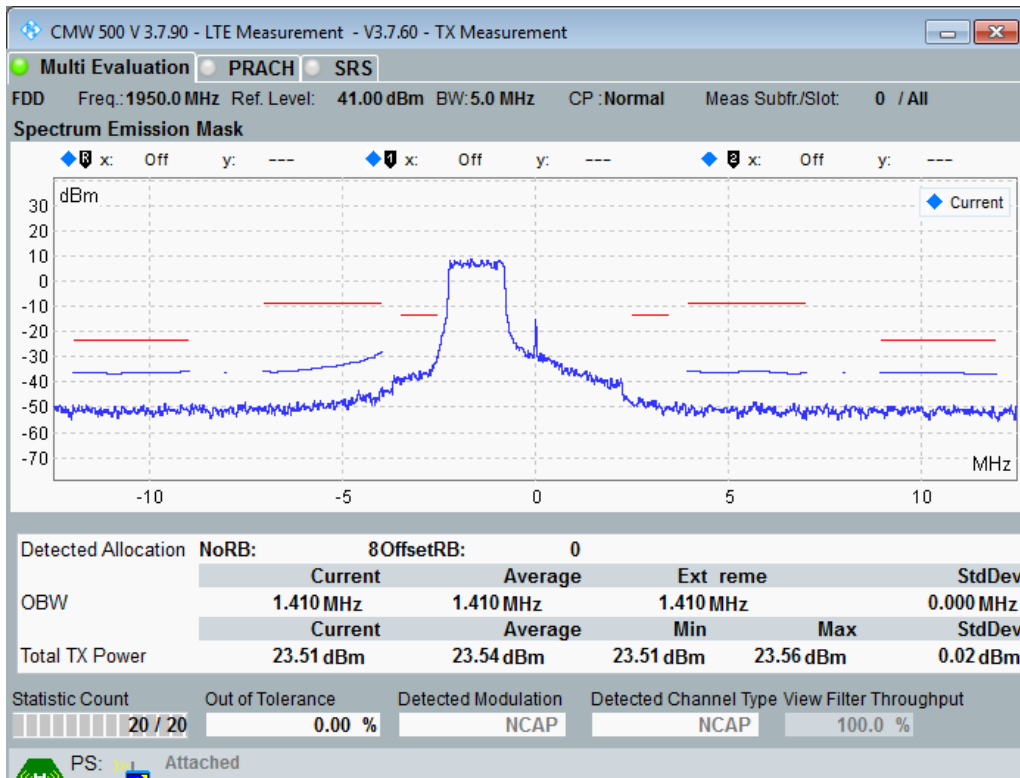
發射頻譜波罩測試結果

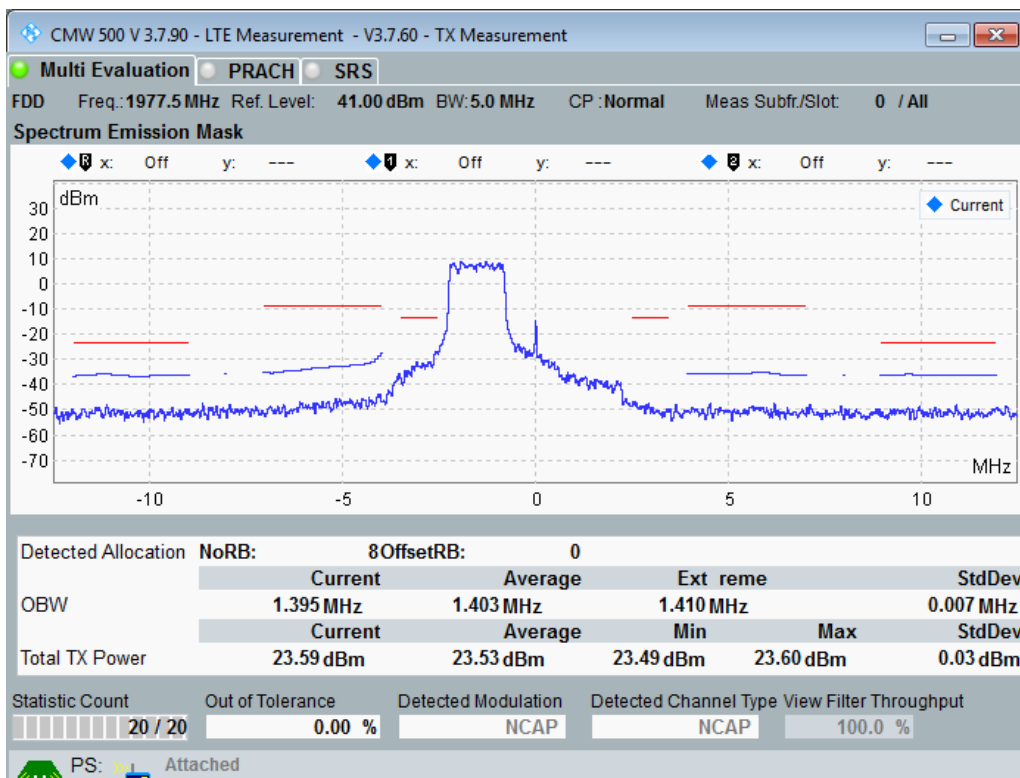
附錄B

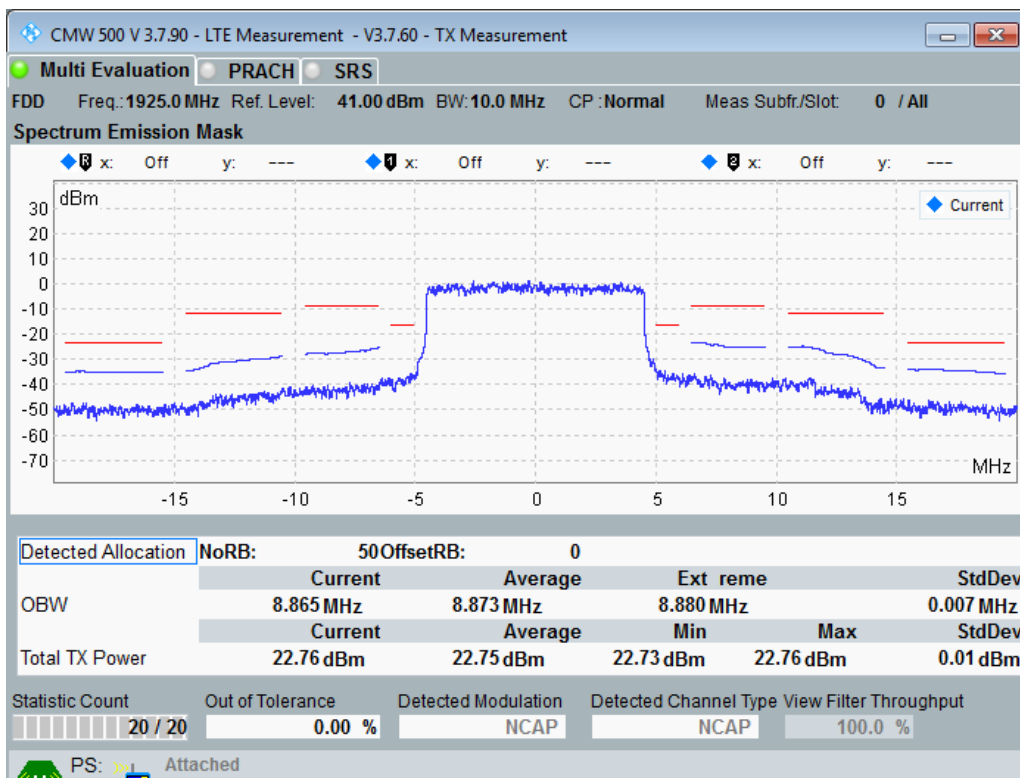
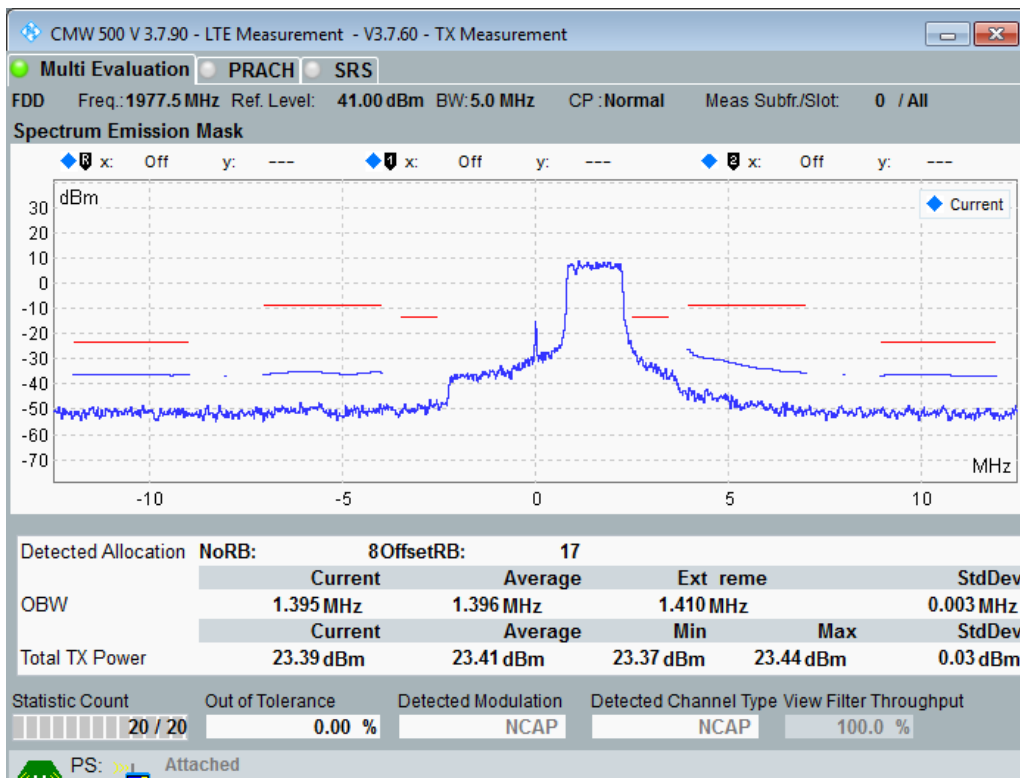
Mode	Result	Freq (MHz)	Margin (dB)	Freq (MHz)	Margin (dB)	Freq (MHz)	Margin (dB)	Freq (MHz)	Margin (dB)	Freq (MHz)	Margin (dB)	Freq (MHz)	Margin (dB)	Freq (MHz)	Margin (dB)	Freq (MHz)	Margin (dB)	Port
1930MHz_RB 18,#RB H	Pass	-10.05	29.80	-14.5	27.92	-19.8	23.99	-32.22	13.55	10.05	16.93	11.5	19.02	15.5	23.32	34.5	13.22	1
1950MHz_RB 100,#RB 0	Pass	-10.095	21.25	-11.5	20.91	-19.26	16.70	-30.5	10.65	10.65	19.22	11.5	19.52	21.24	16.06	30.87	10.65	1
1950MHz_RB 18,#RB L	Pass	-10.17	17.81	-11.5	22.16	-15.5	22.98	-34.5	13.53	10.11	29.73	11.5	28.05	20.07	24.60	32.58	13.08	1
1950MHz_RB 18,#RB H	Pass	-10.59	29.86	-13.41	27.85	-19.8	24.05	-33.21	13.40	10.065	14.31	11.5	17.75	15.5	23.70	31.05	13.01	1
1970MHz_RB 100,#RB 0	Pass	-10.095	21.92	-13.32	21.27	-21.42	16.52	-31.68	11.23	10.035	18.38	11.5	19.58	15.5	17.64	30.5	13.39	1
1970MHz_RB 18,#RB L	Pass	-10.335	17.32	-11.5	21.03	-15.5	23.30	-31.77	13.34	10.68	28.71	12.33	27.77	16.56	24.78	34.02	13.76	1
1970MHz_RB 18,#RB H	Pass	-10.41	30.36	-13.86	27.41	-19.71	23.76	-33.12	13.39	10.155	15.74	11.5	19.47	15.5	23.41	33.3	13.76	1

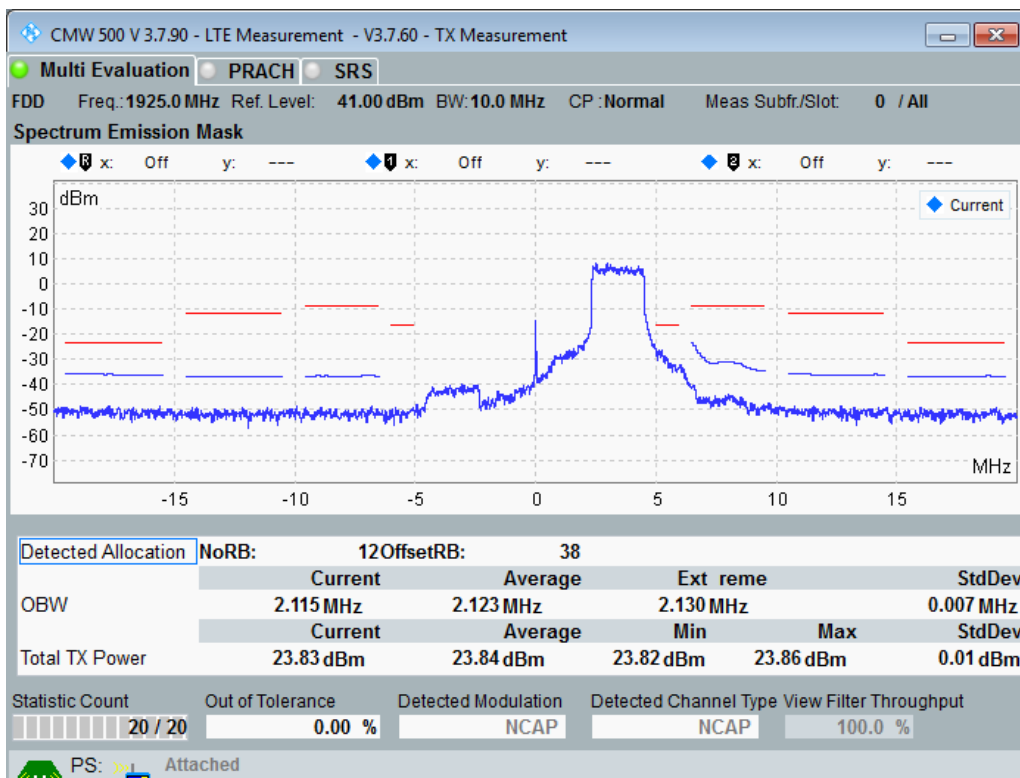
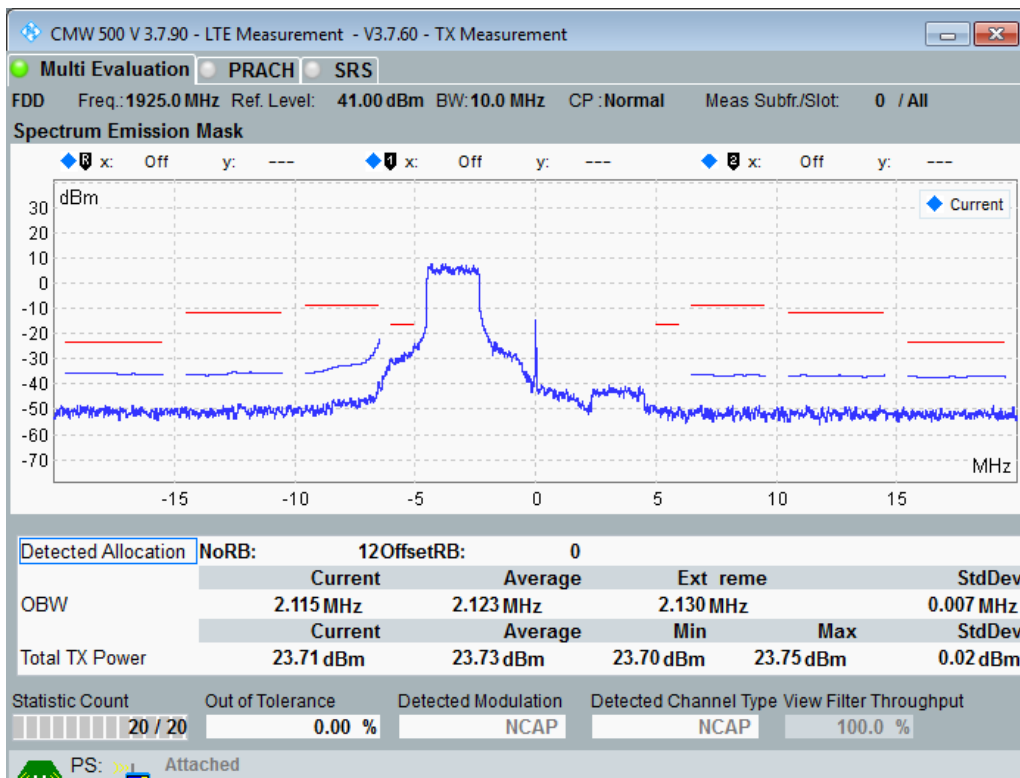


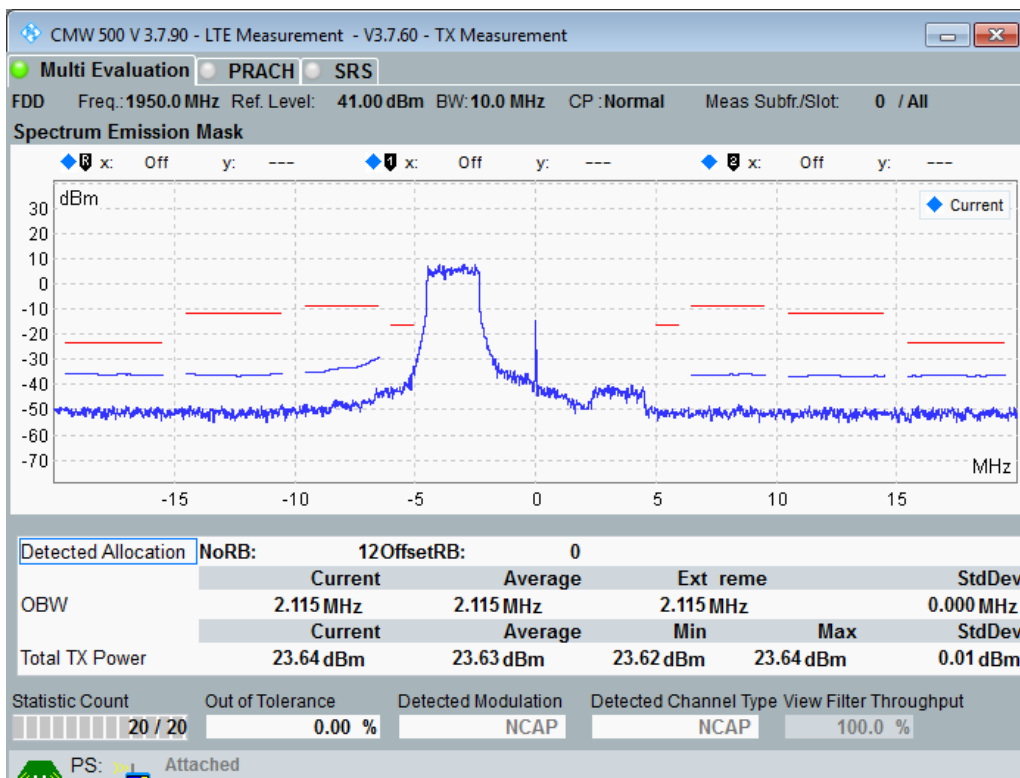
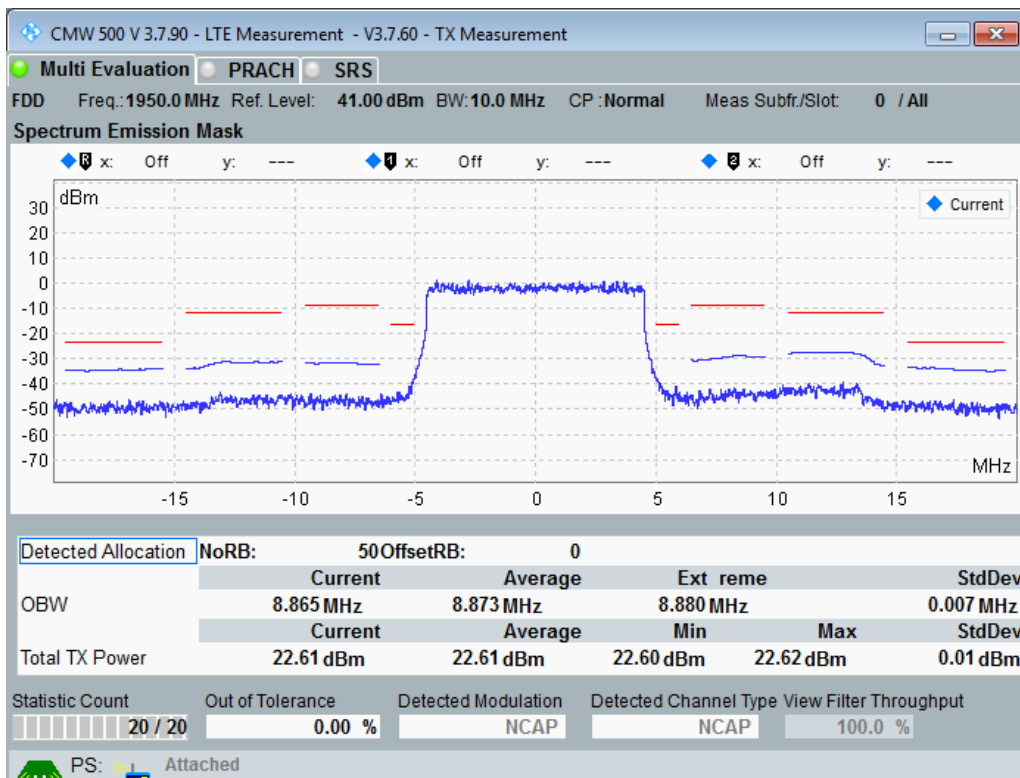


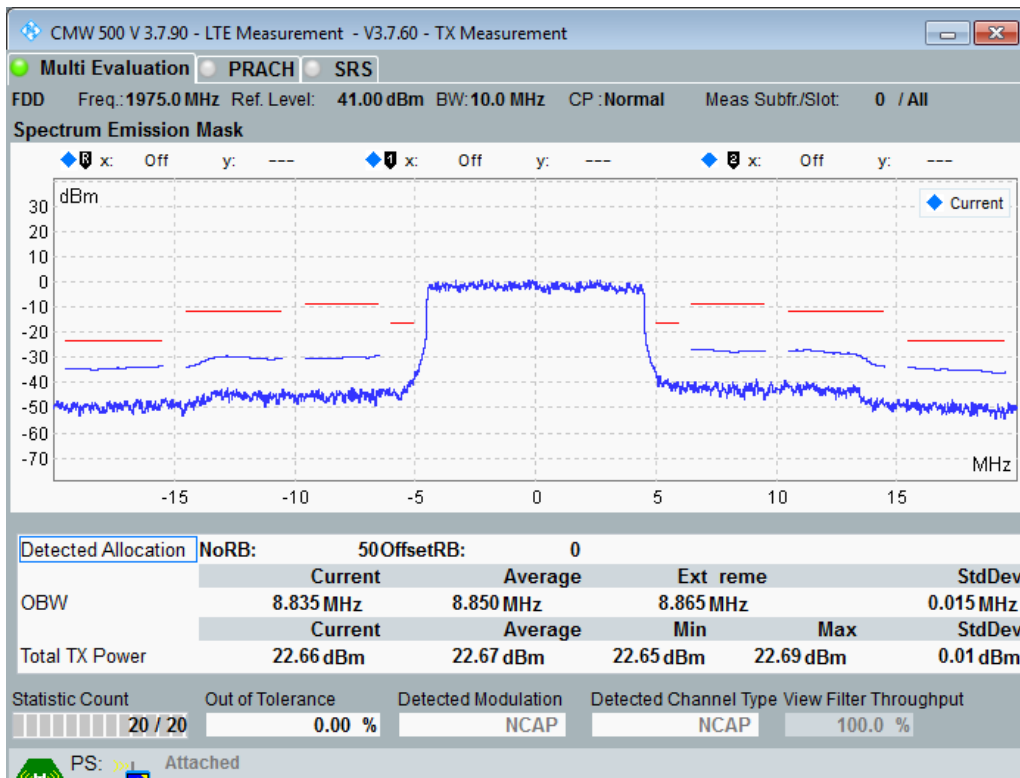
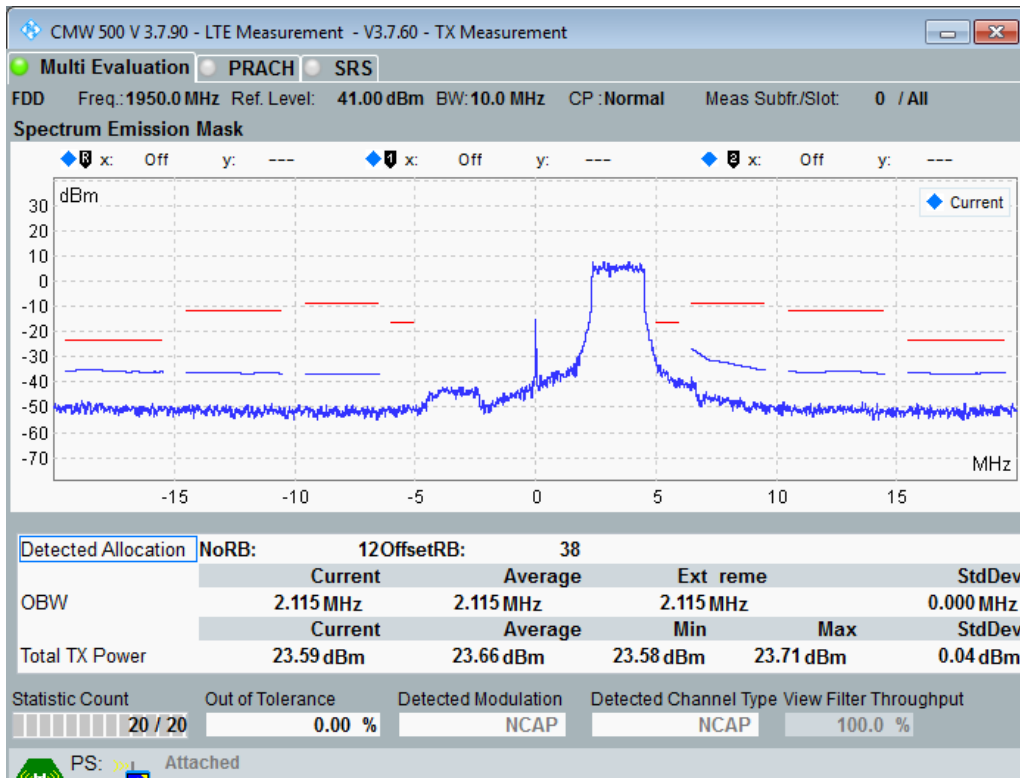


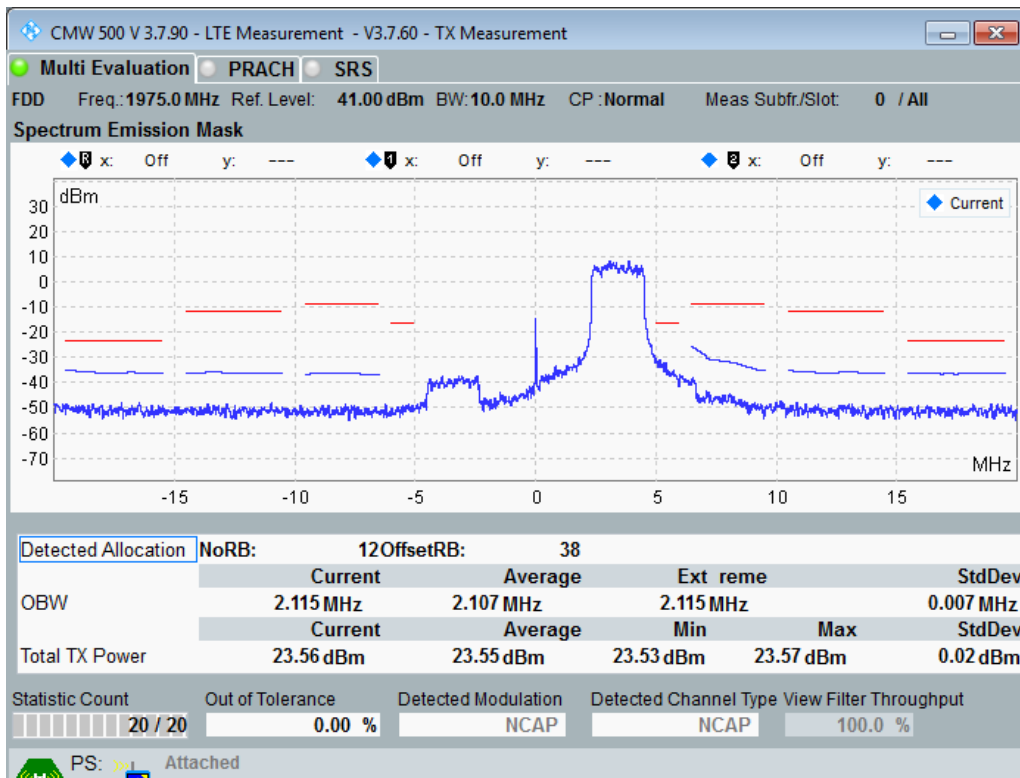
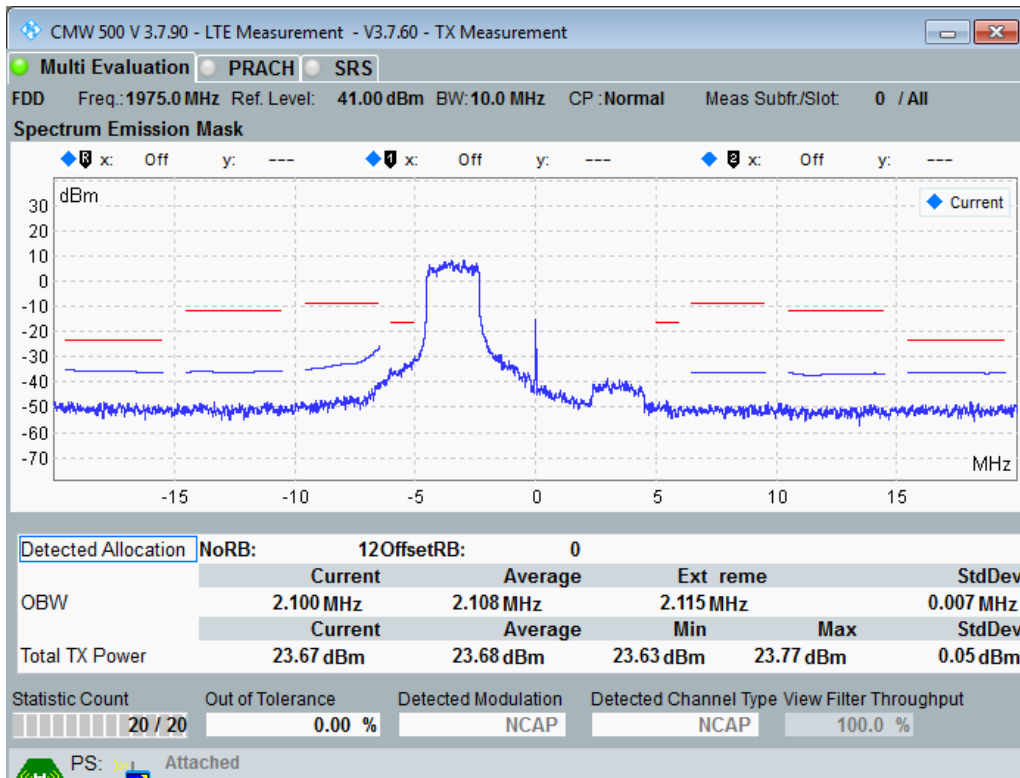


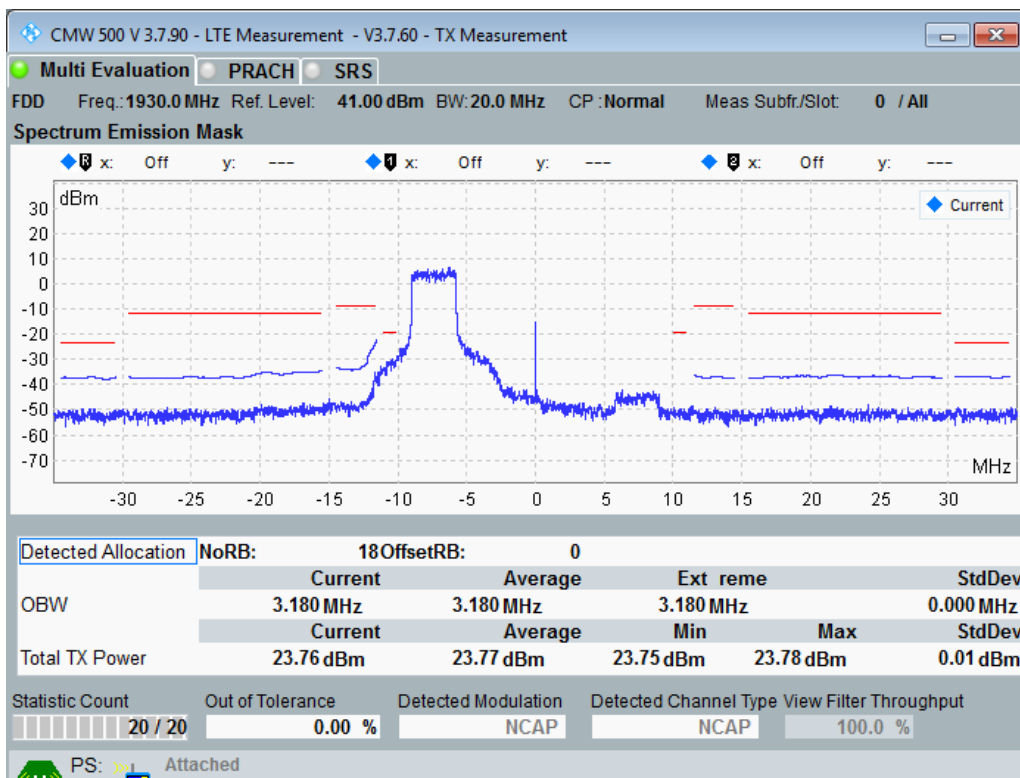
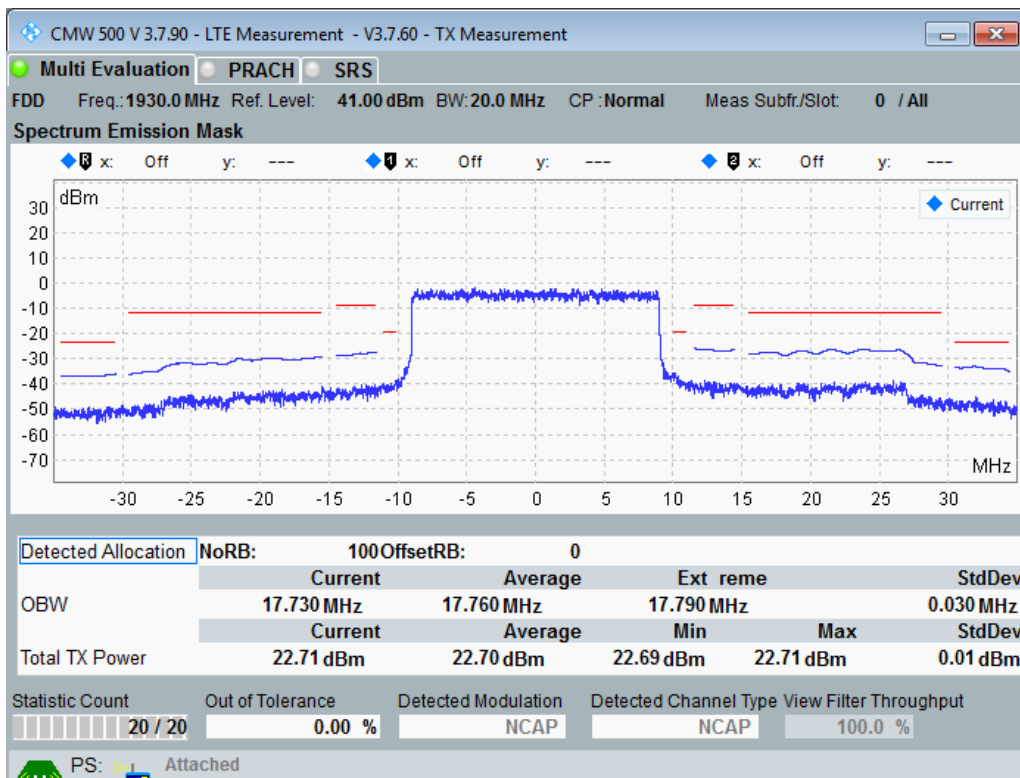


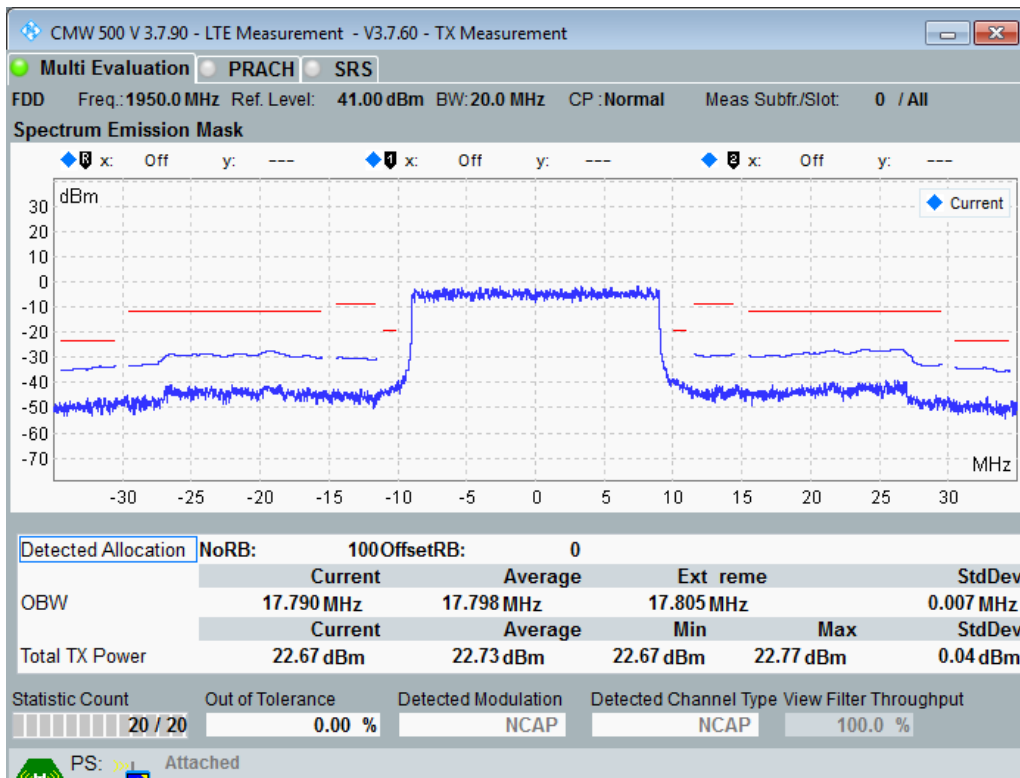
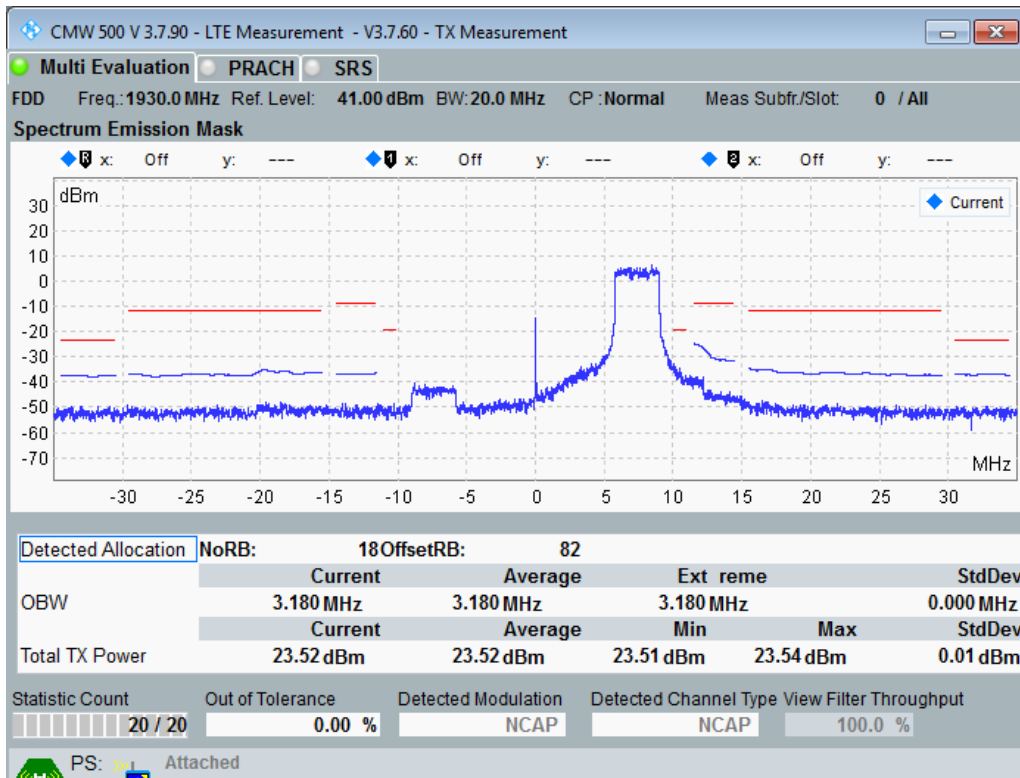


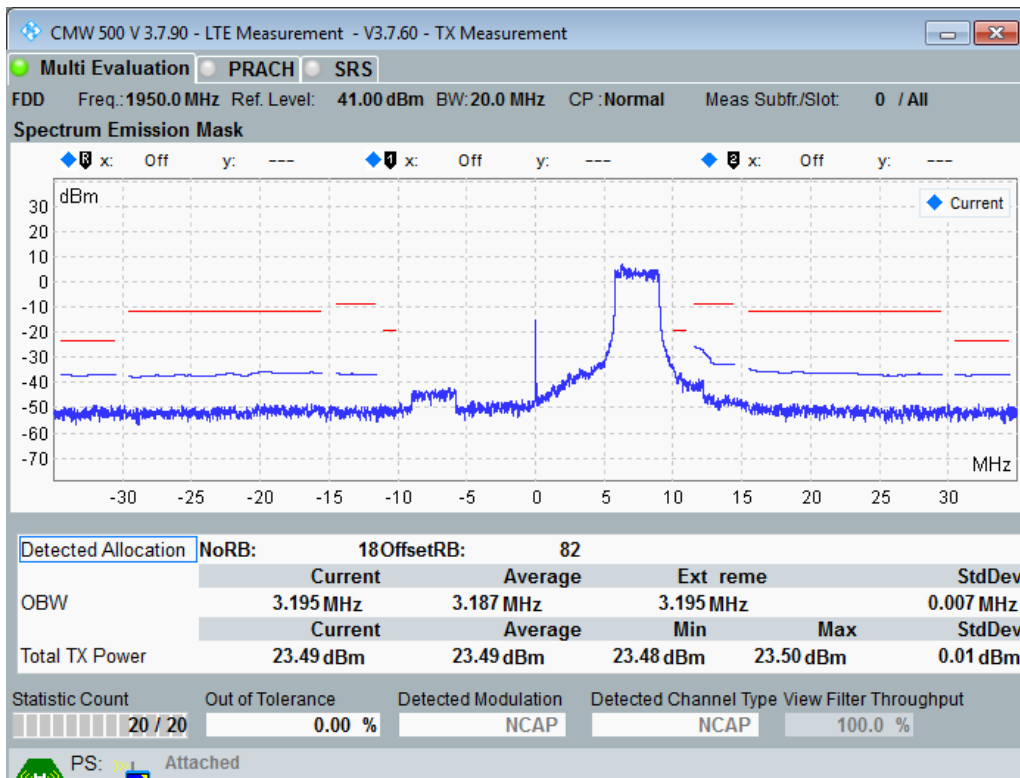
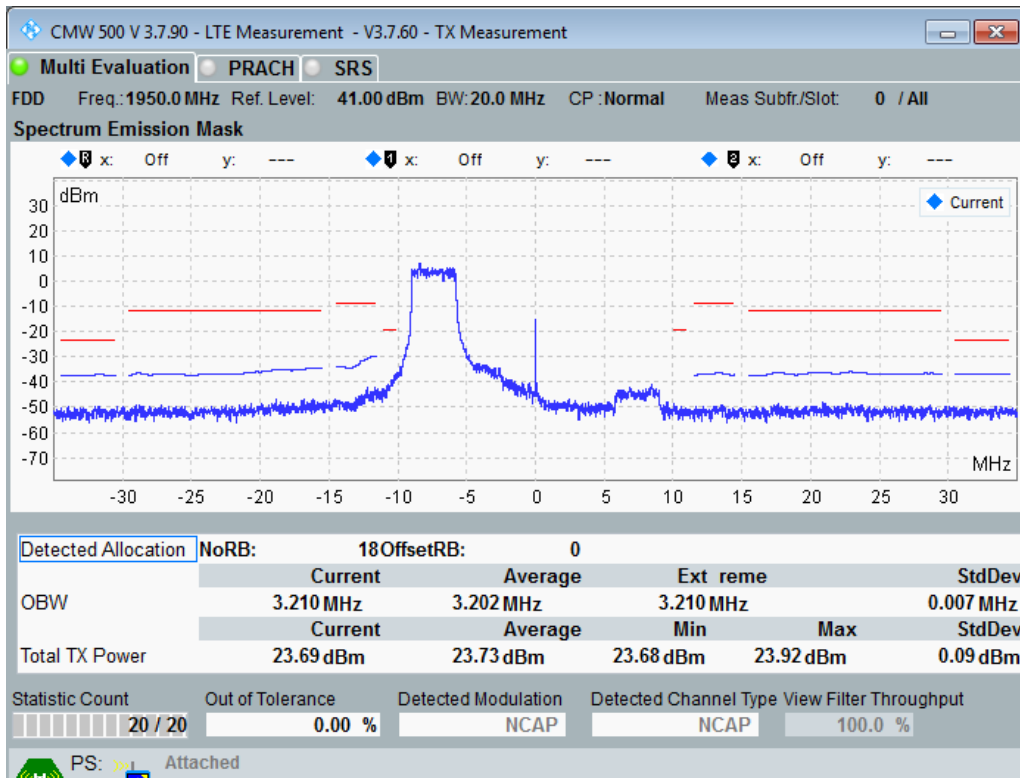


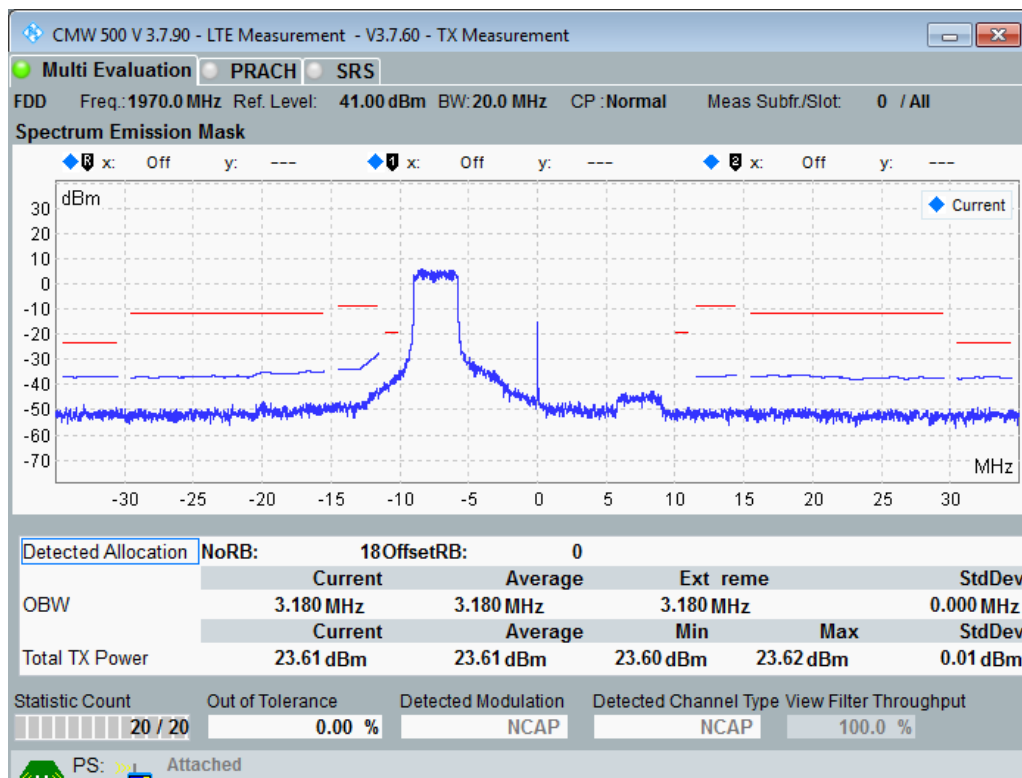
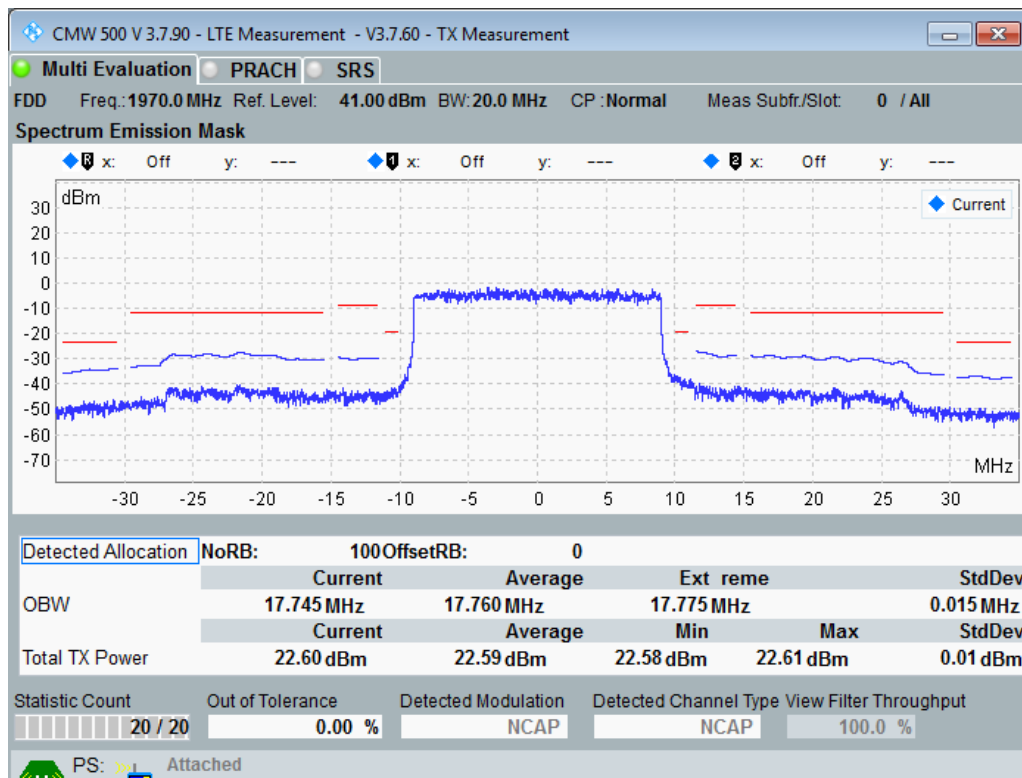


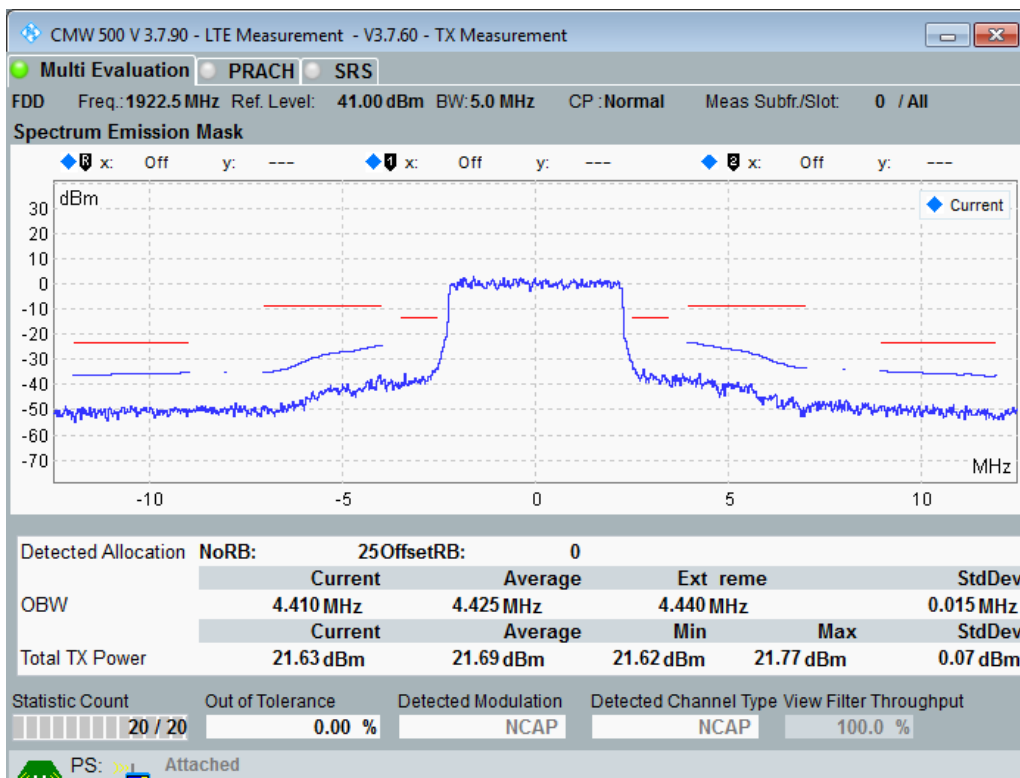
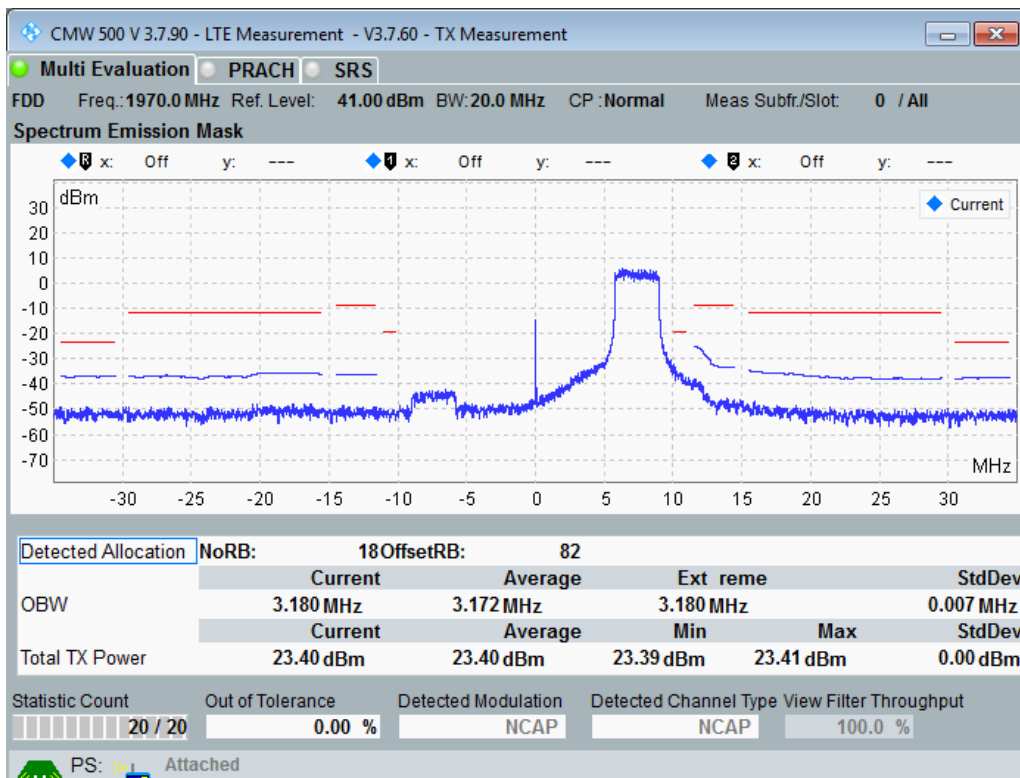


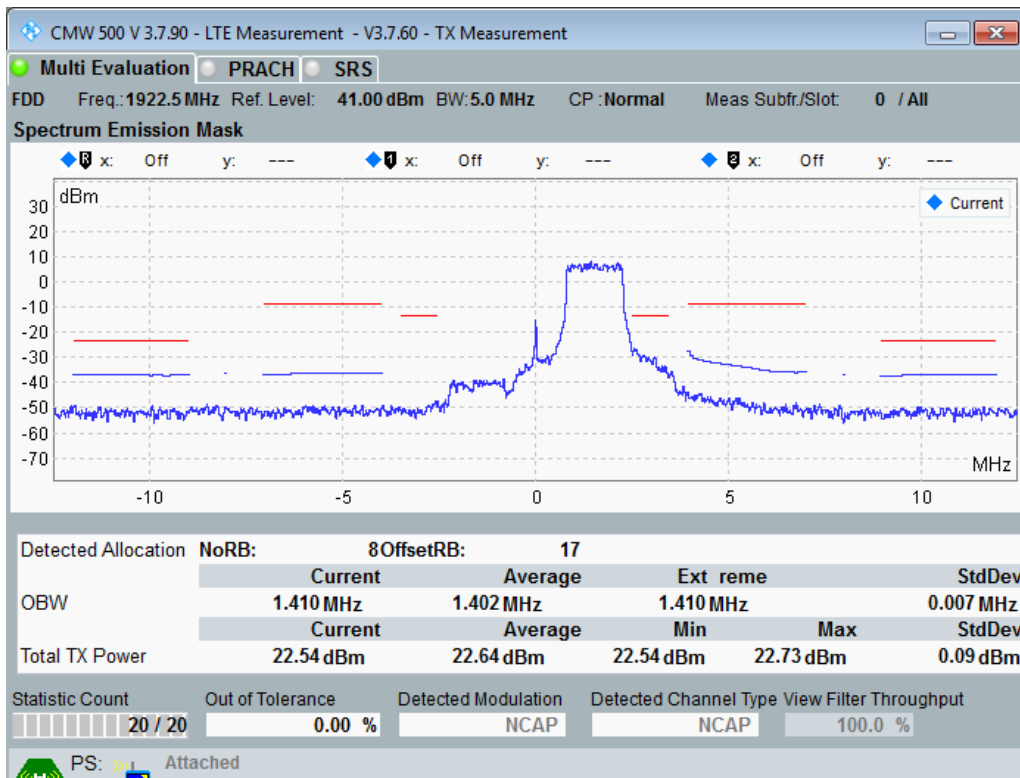
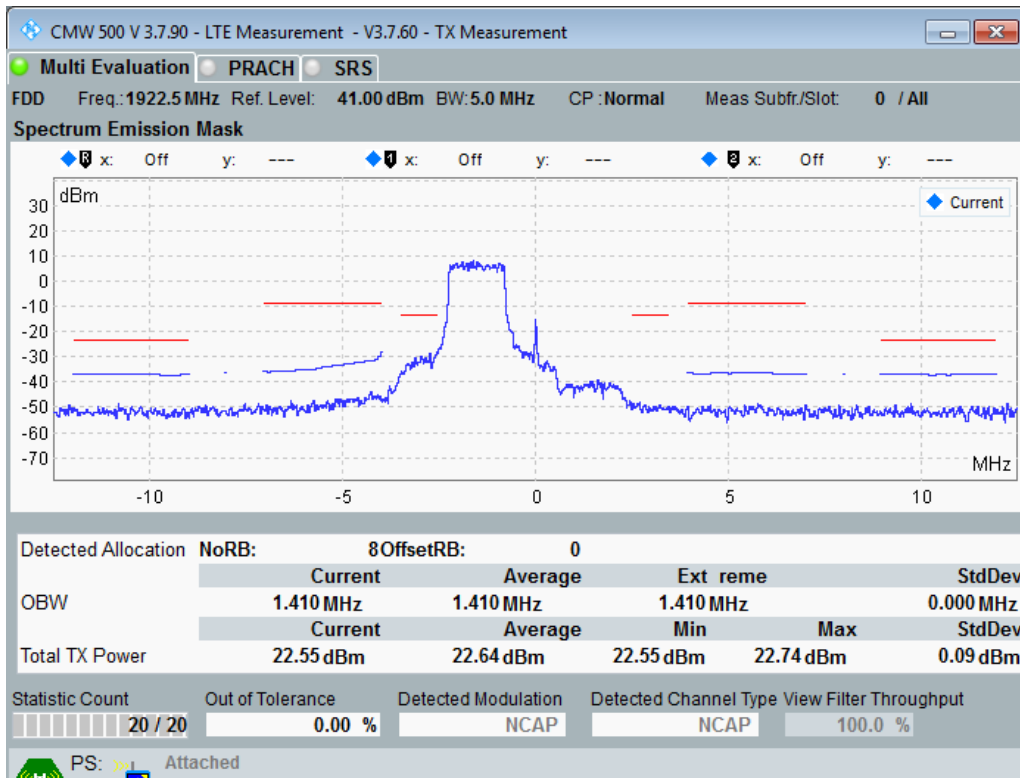


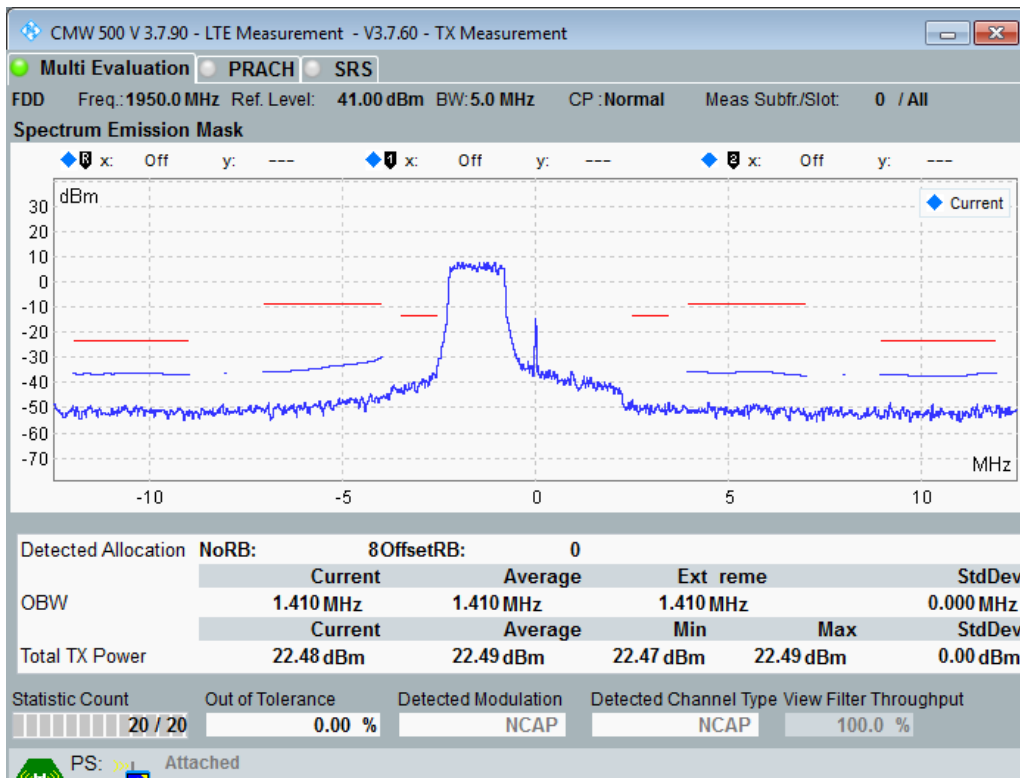
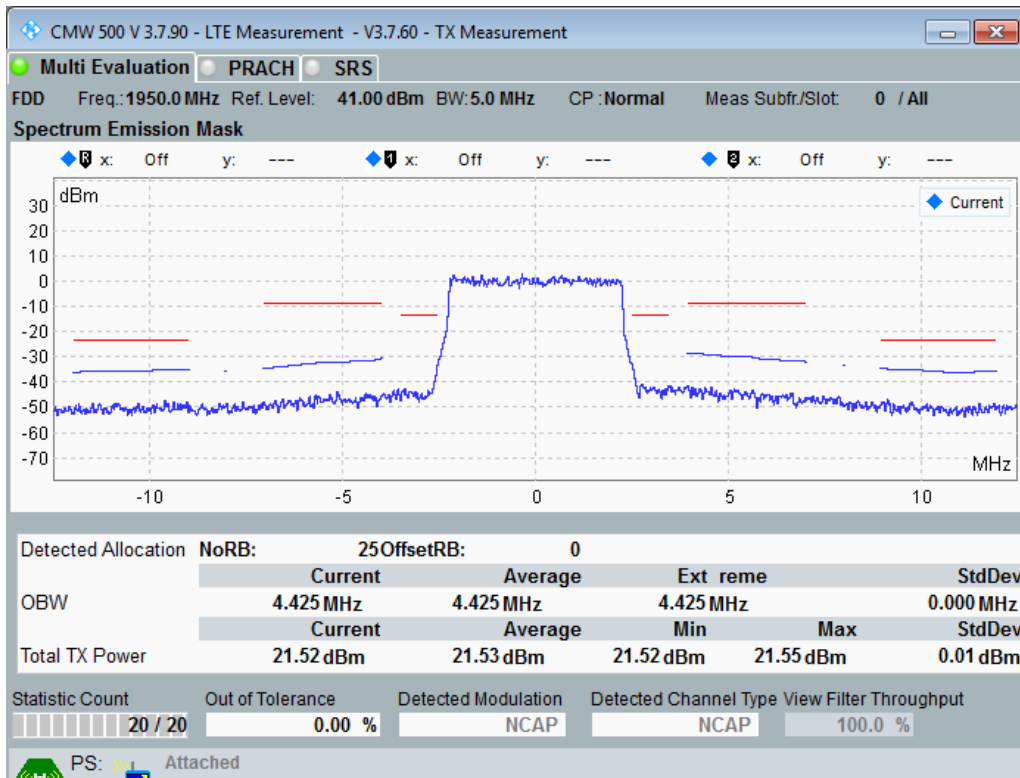


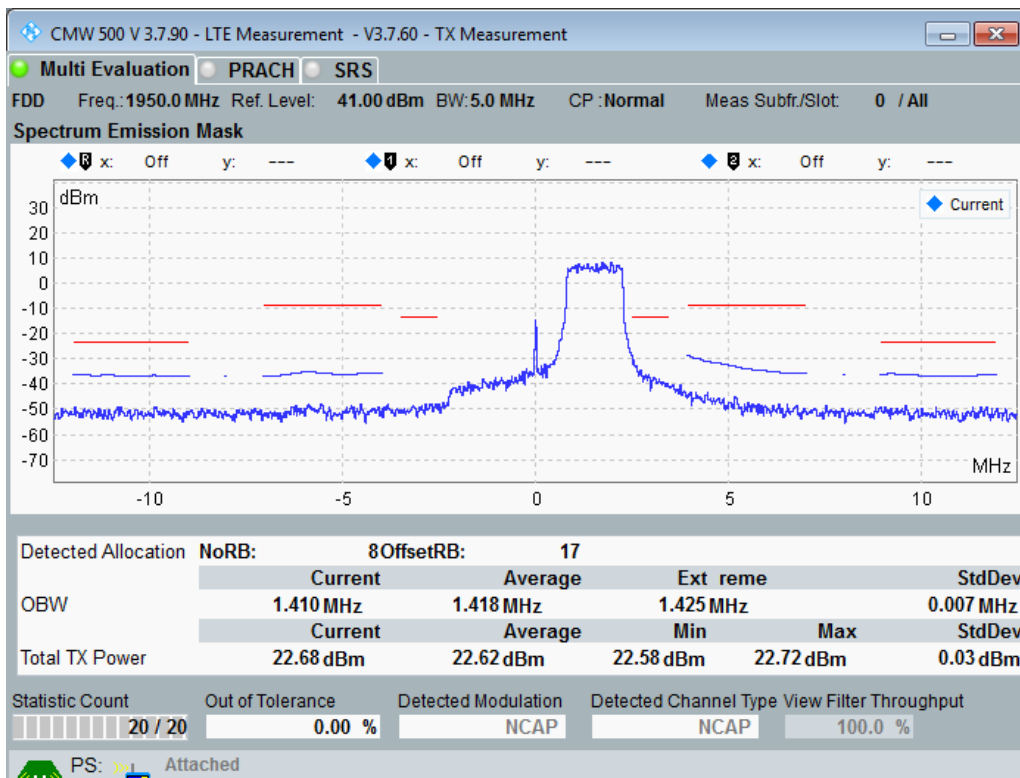


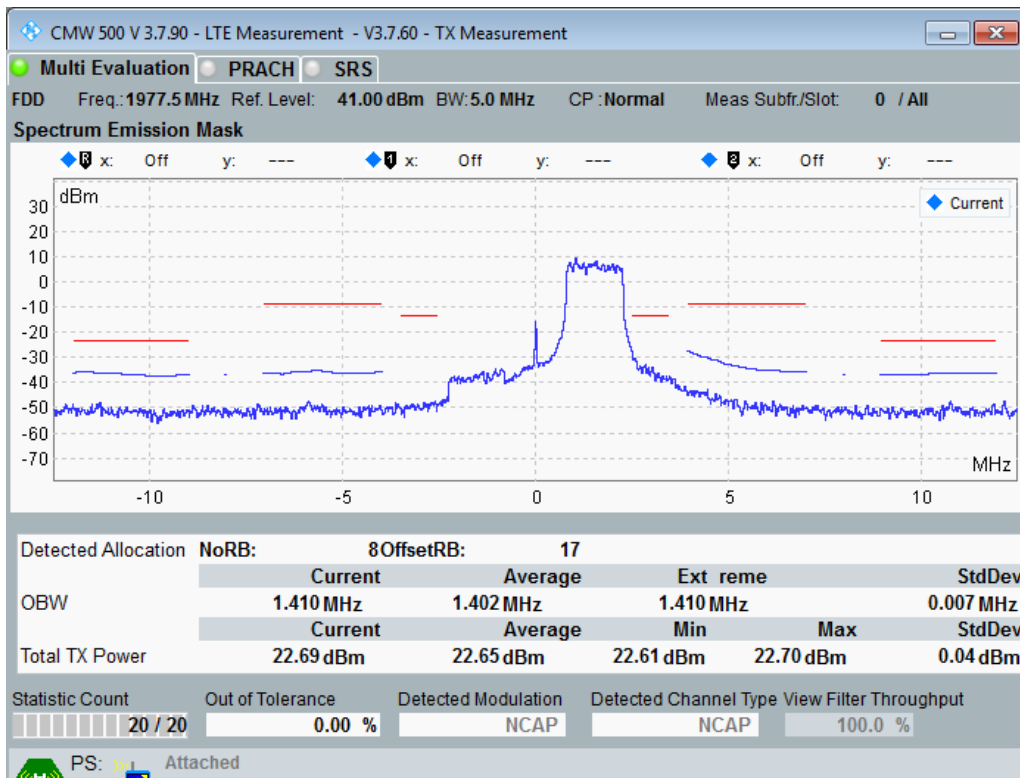
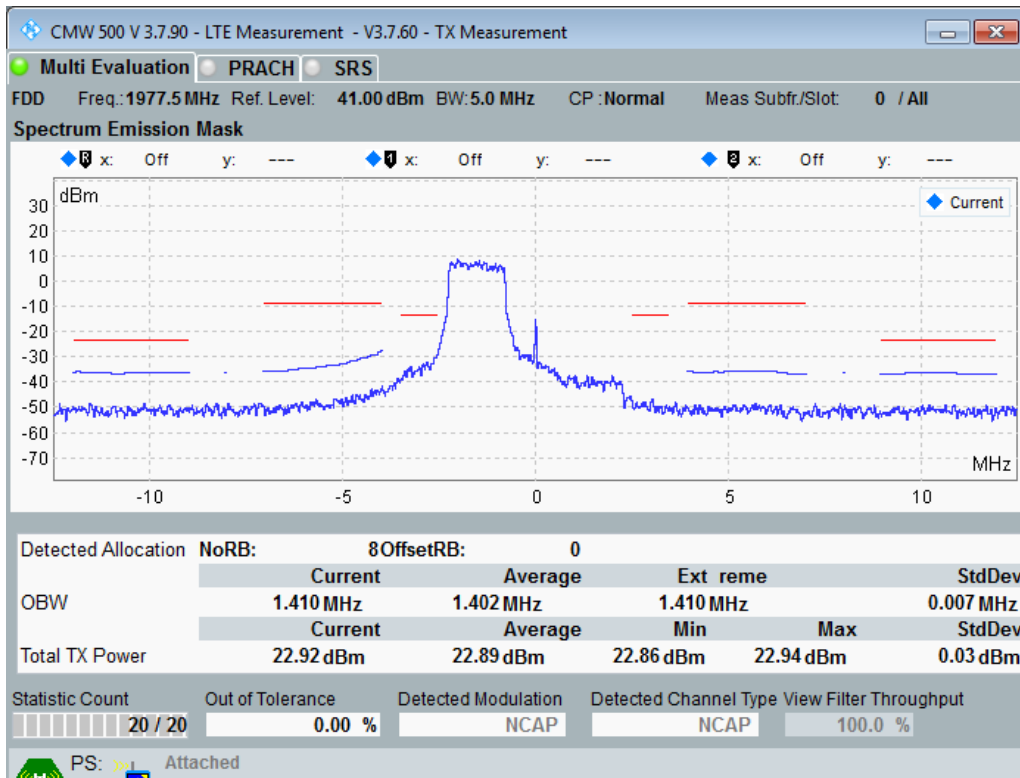


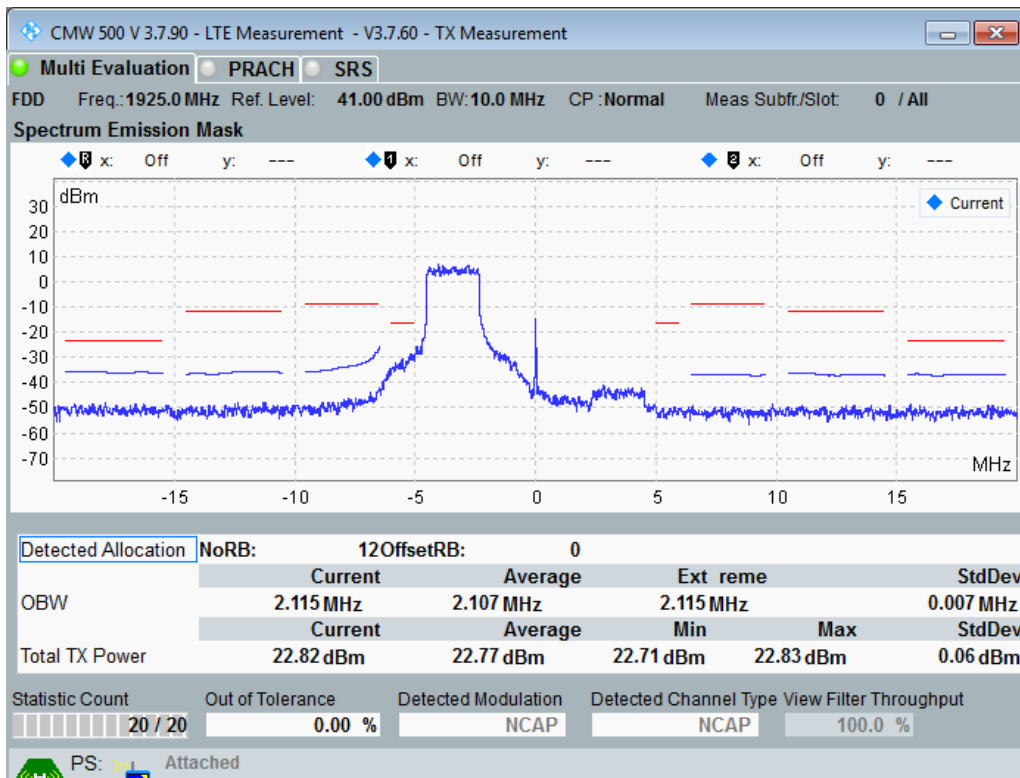
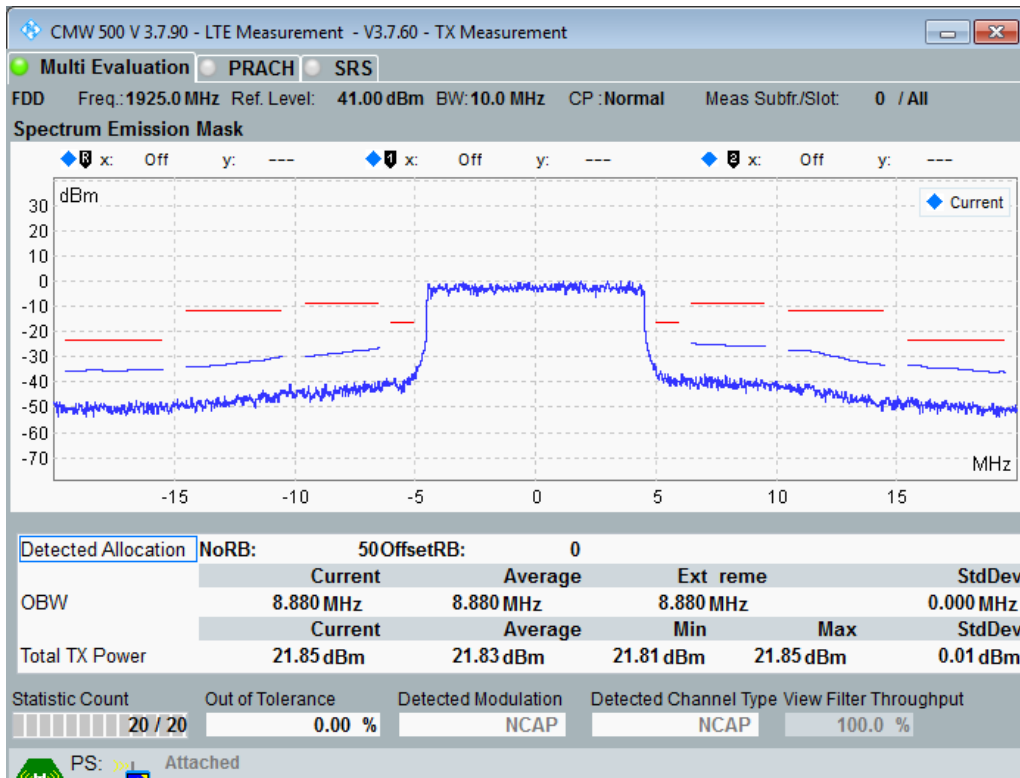


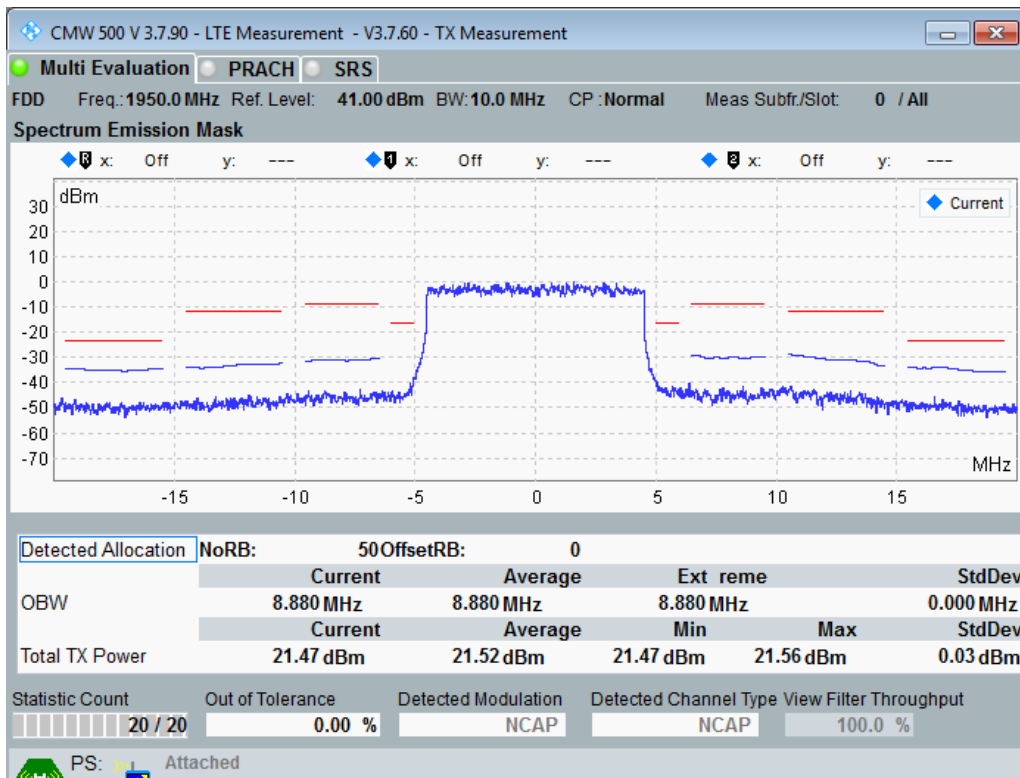
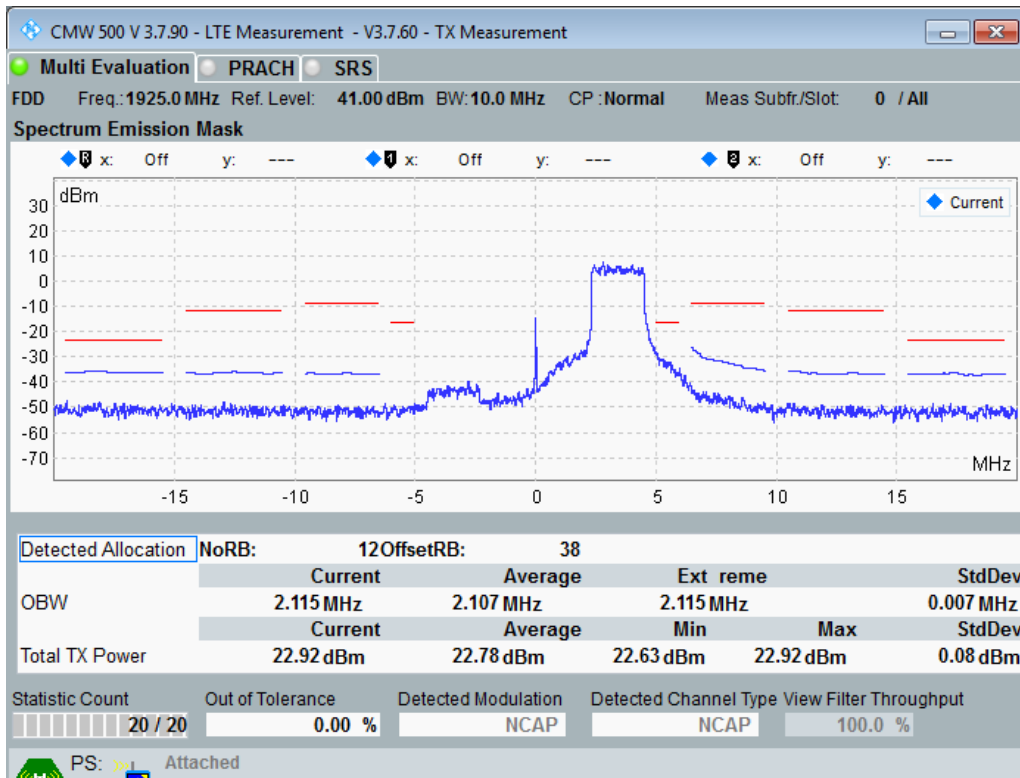


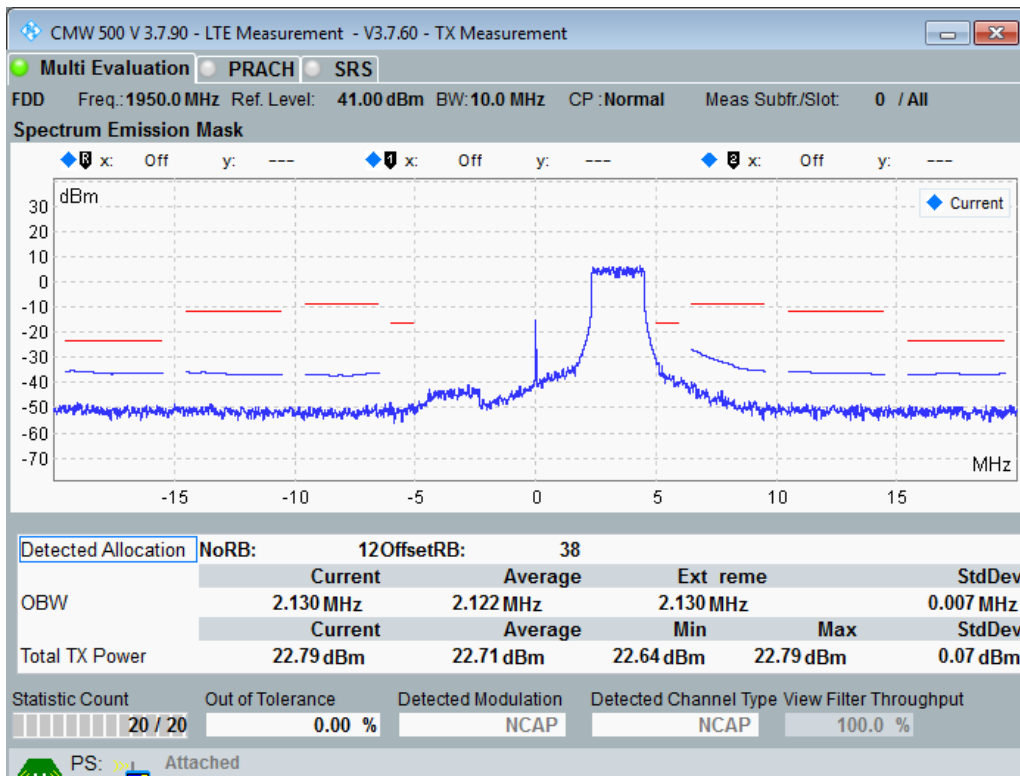
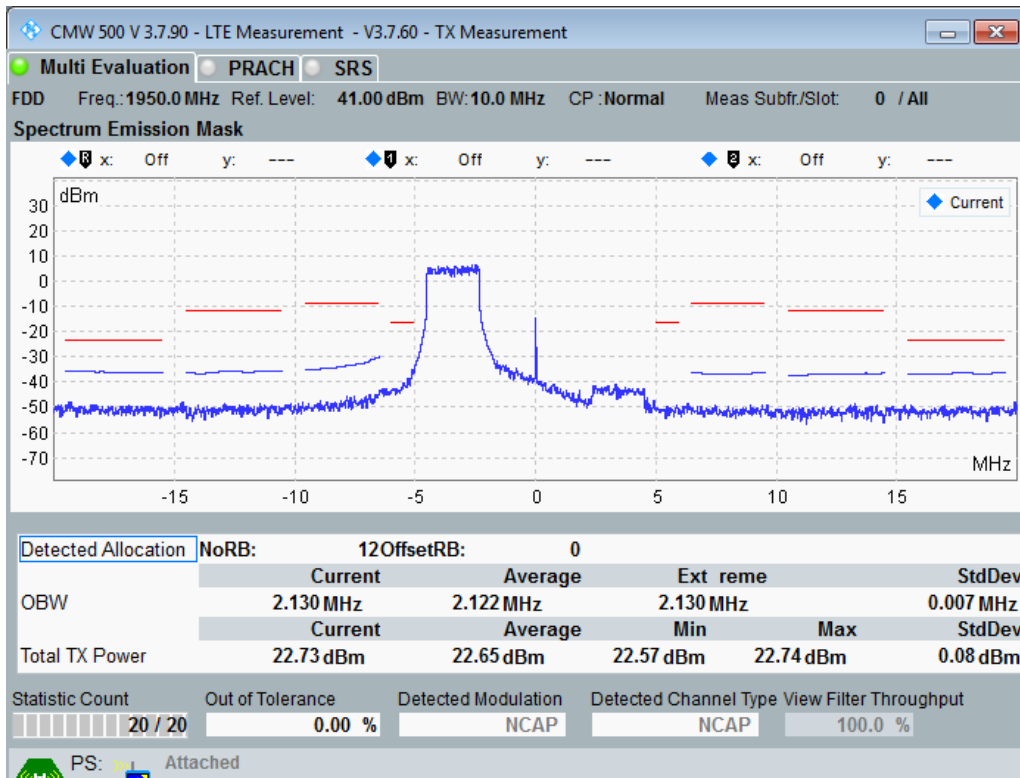


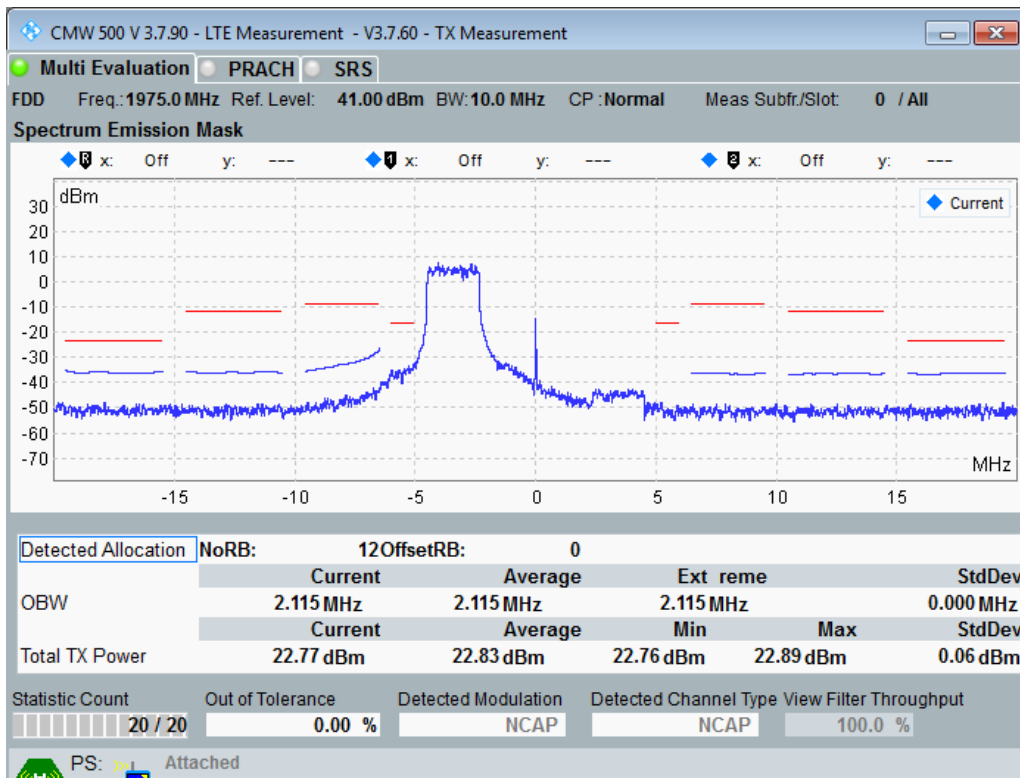
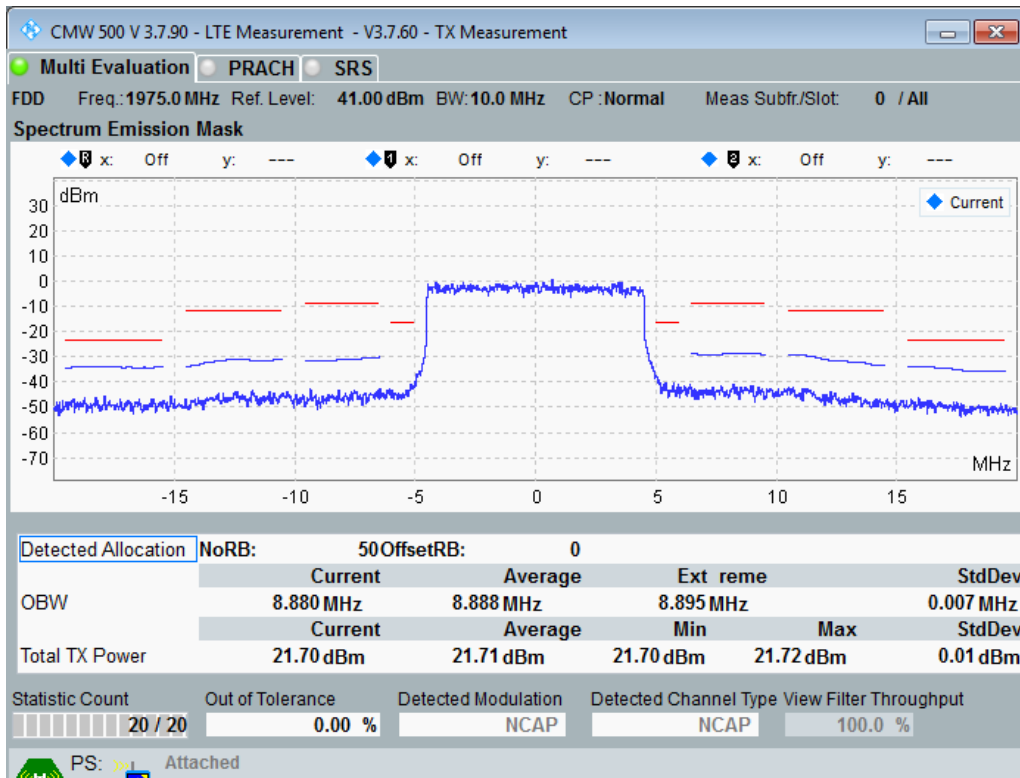


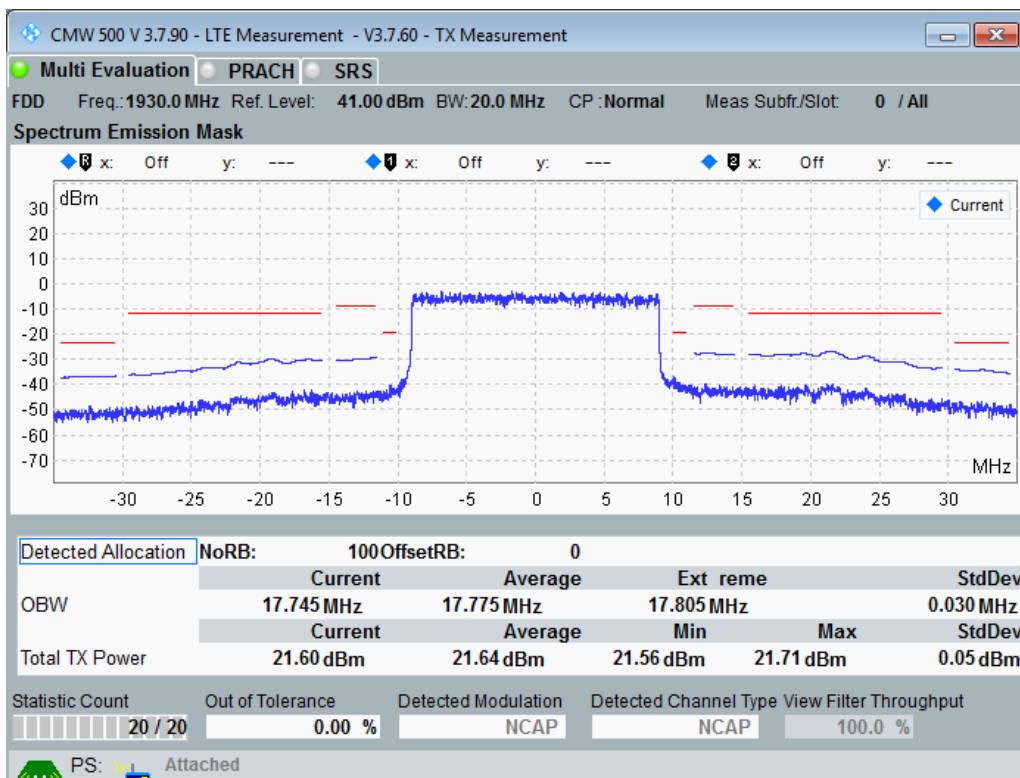
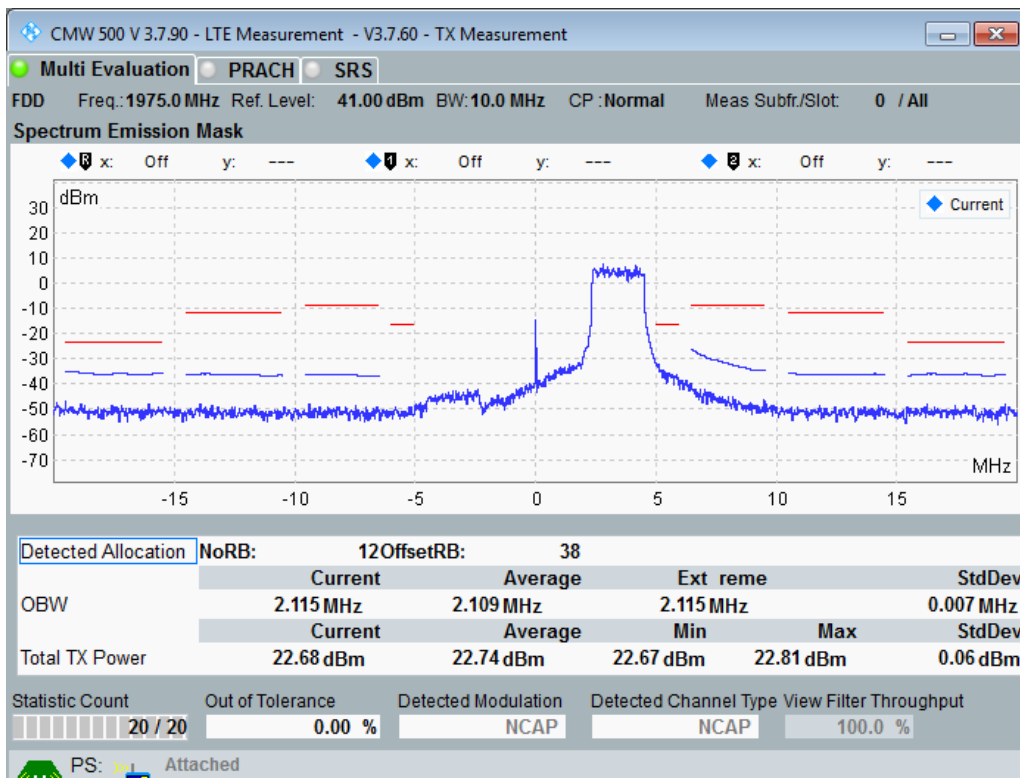


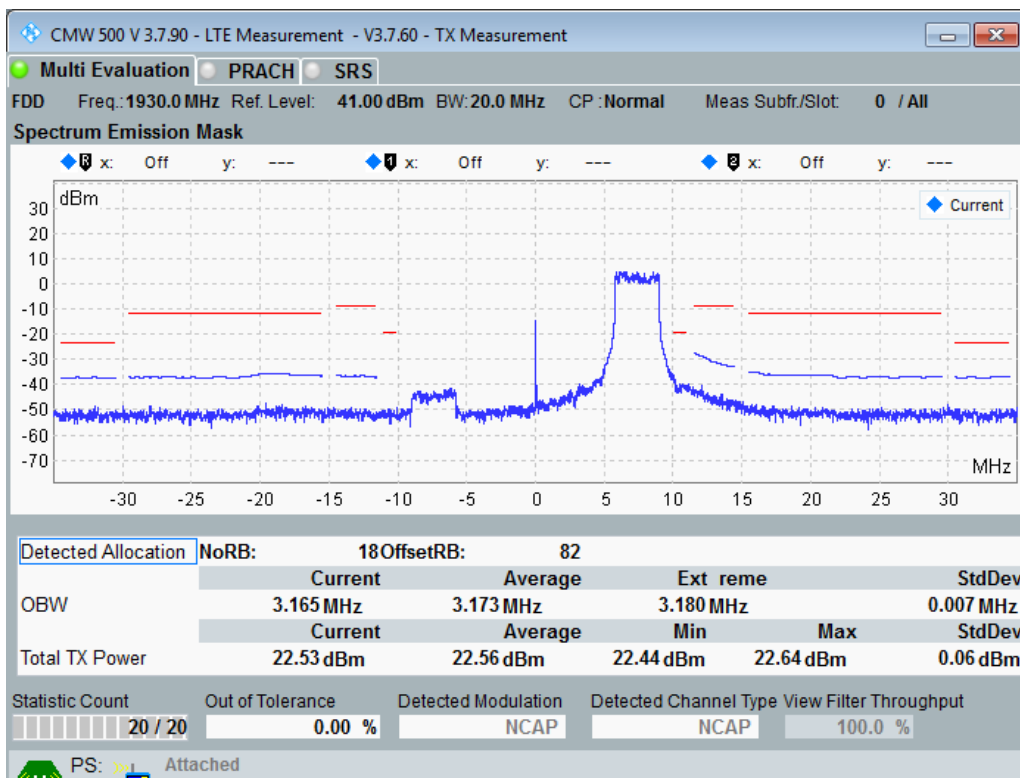
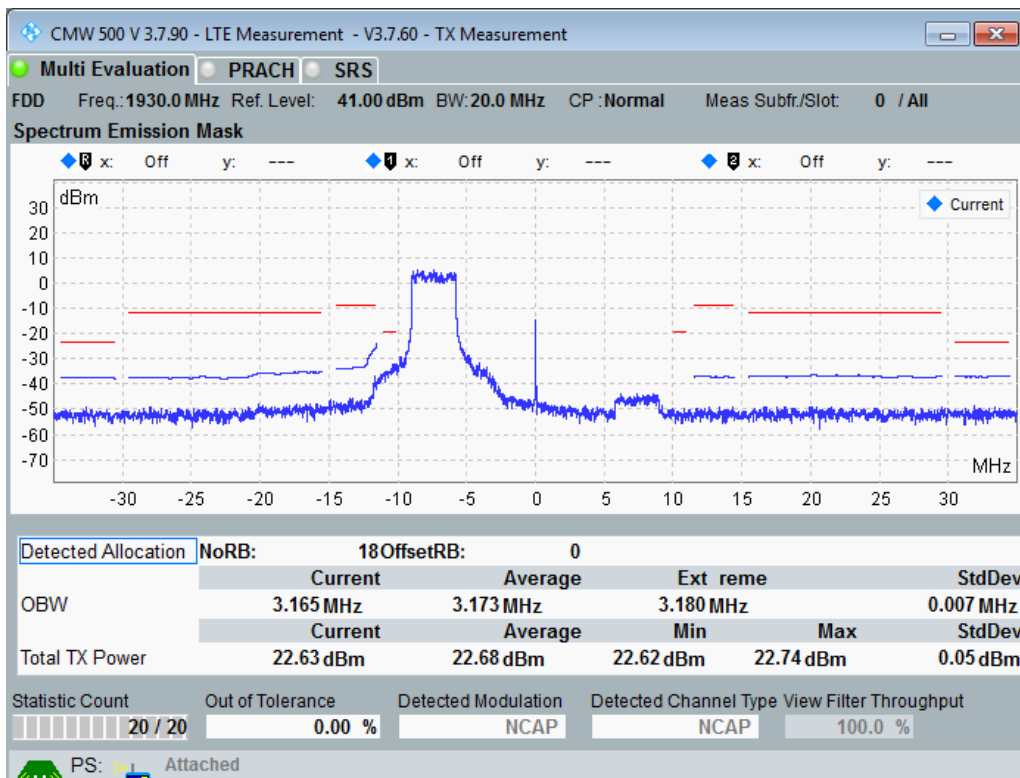


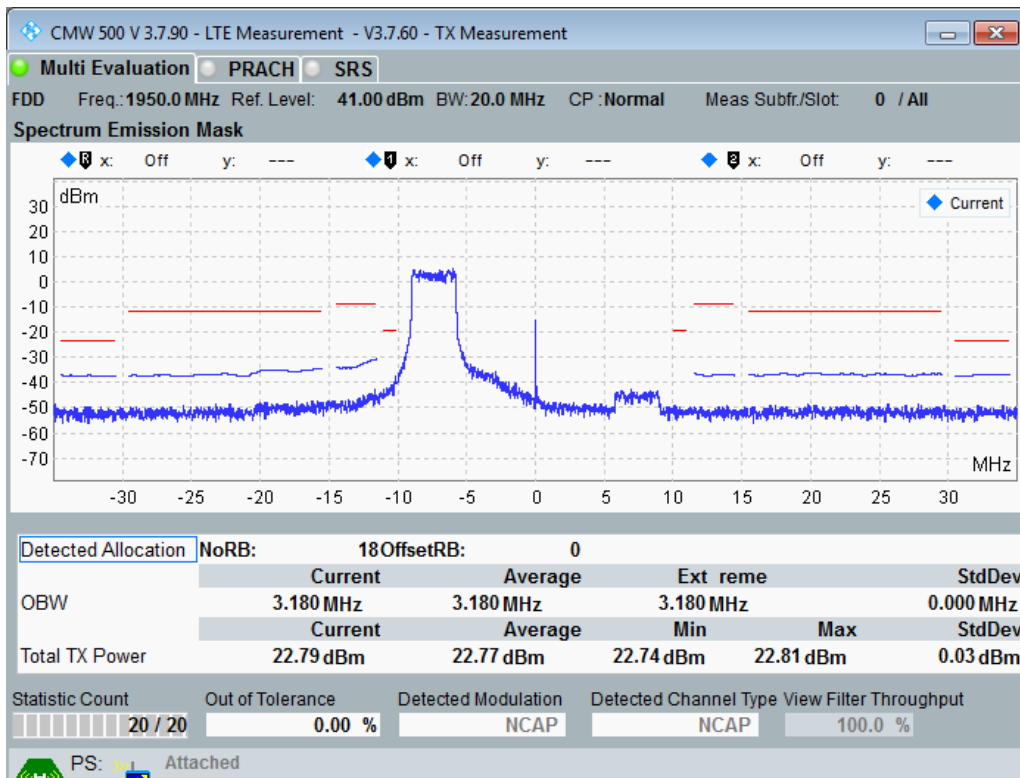
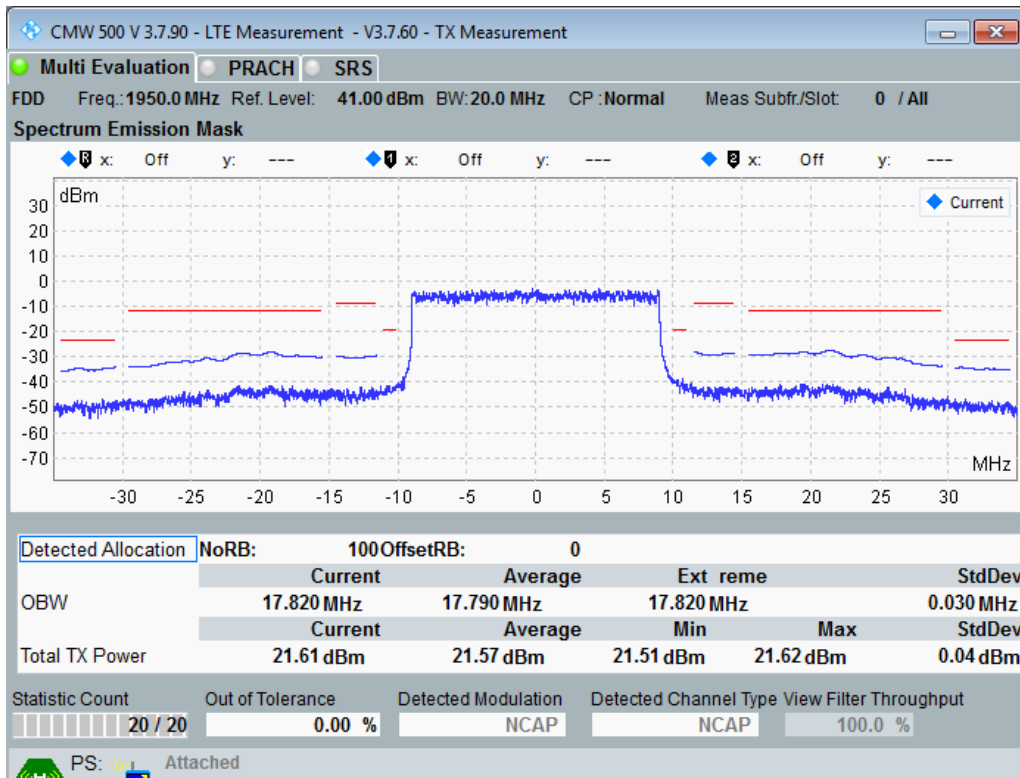


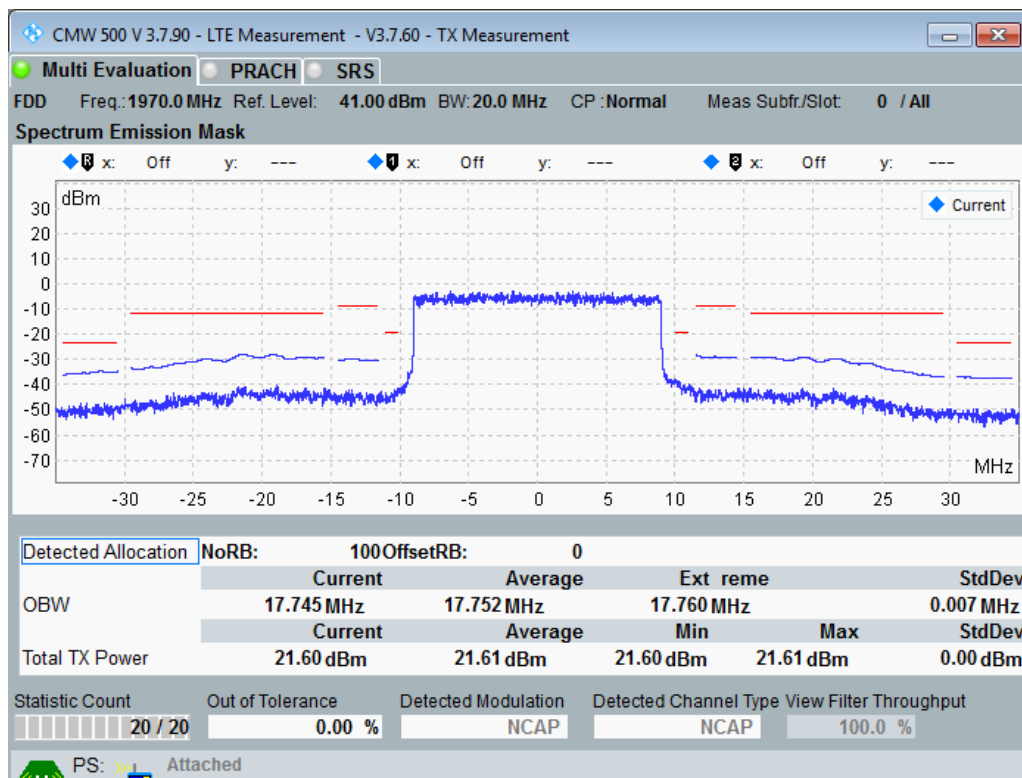
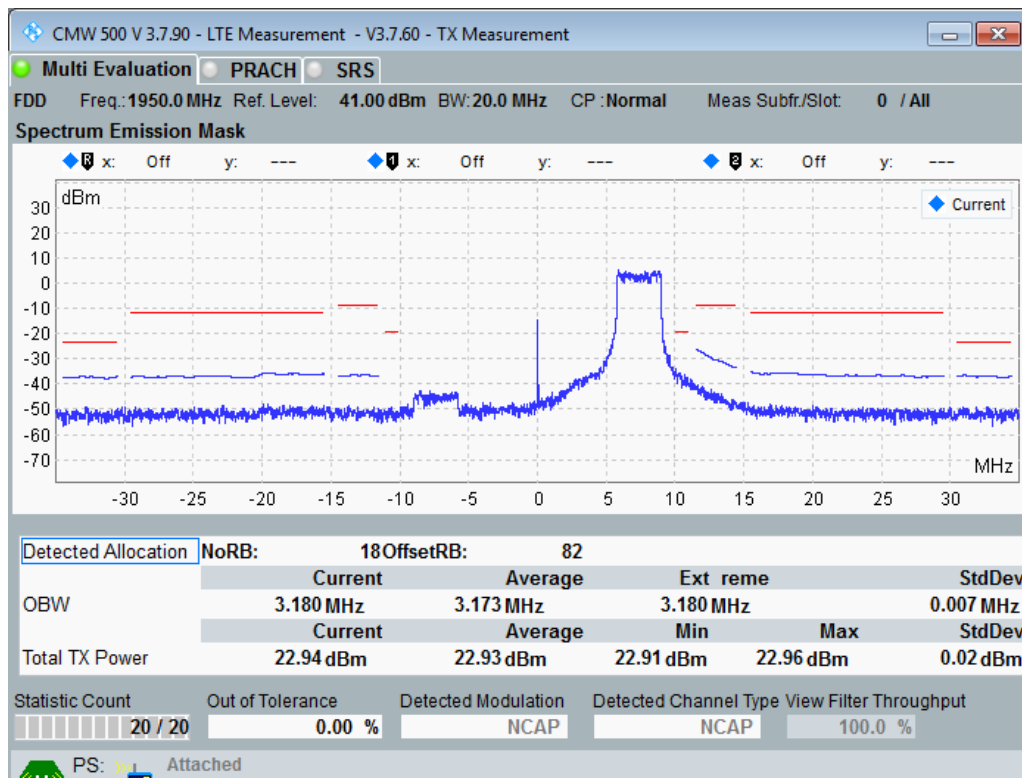


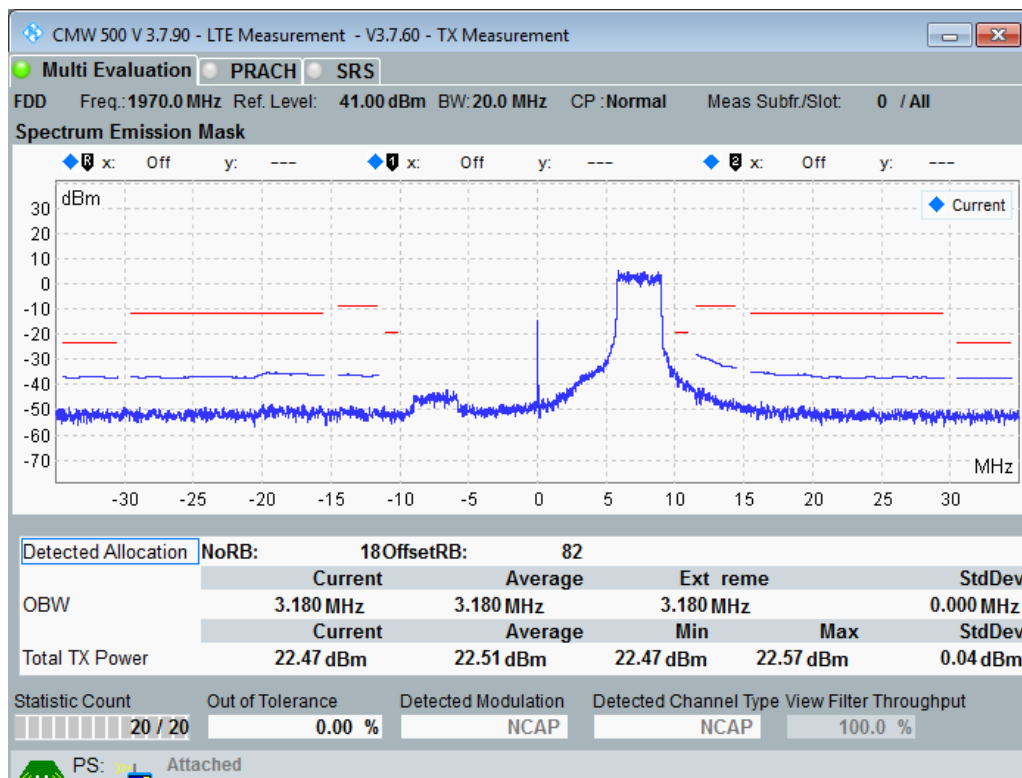
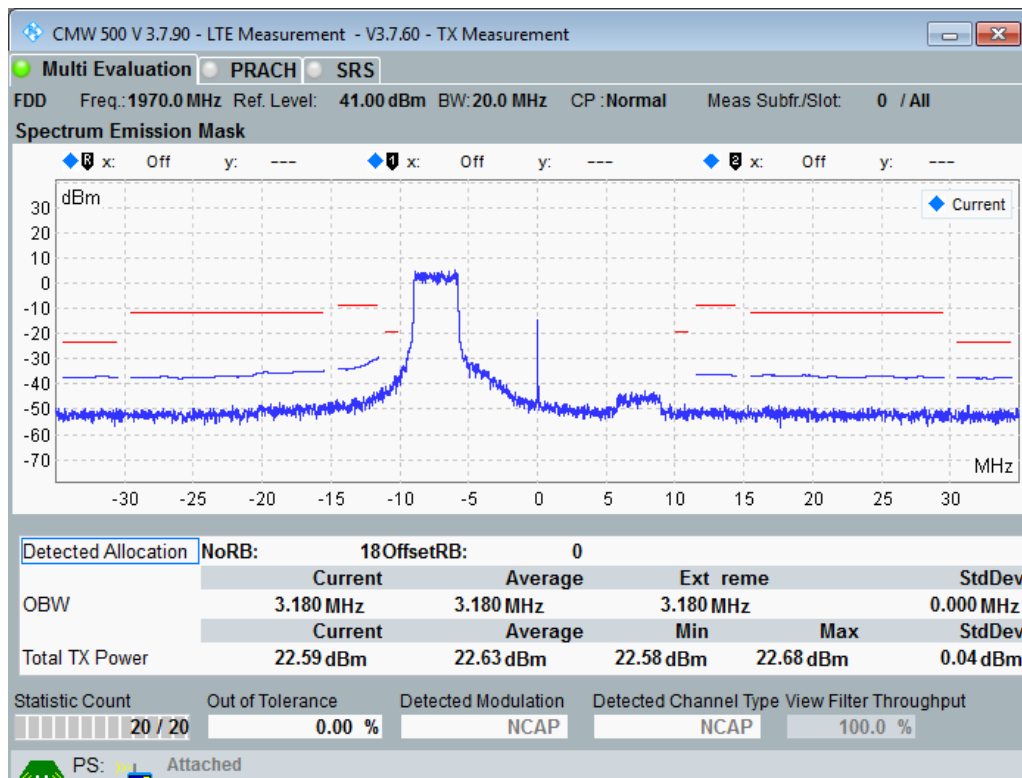














Summary

Mode	Result	F-Start (Hz)	Freq (Hz)	Margin (dB)	Port
Band 1	-	-	-	-	-
LTE_5MHz_Nss1,QPSK_1TX	Pass	1.99G	10.64104G	-10.60	1
LTE_20MHz_Nss1,QPSK_1TX	Pass	1.985G	10.6293G	-10.58	1



Result

Mode	Result	F-Start (Hz)	Freq (Hz)	Margin (dB)	Port
Band 1_LTE_5MHz_Nss1,QPSK_1TX	-	-	-	-	-
1922.5MHz_RB 25,#RB 0	Pass	9k	12.278k	-35.75	1
1922.5MHz_RB 25,#RB 0	Pass	150k	157.462k	-32.26	1
1922.5MHz_RB 25,#RB 0	Pass	30M	984.24M	-22.09	1
1922.5MHz_RB 25,#RB 0	Pass	1G	1.89976G	-16.50	1
1922.5MHz_RB 25,#RB 0	Pass	1.935G	10.66541G	-11.42	1
1922.5MHz_RB 1,#RB L	Pass	9k	9k	-36.52	1
1922.5MHz_RB 1,#RB L	Pass	150k	3.926M	-33.34	1
1922.5MHz_RB 1,#RB L	Pass	30M	937.44M	-21.89	1
1922.5MHz_RB 1,#RB L	Pass	1G	1.87861G	-16.02	1
1922.5MHz_RB 1,#RB L	Pass	1.935G	10.63567G	-12.53	1
1922.5MHz_RB 1,#RB H	Pass	9k	10.445k	-36.82	1
1922.5MHz_RB 1,#RB H	Pass	150k	10.53M	-30.63	1
1922.5MHz_RB 1,#RB H	Pass	30M	494.87M	-22.68	1
1922.5MHz_RB 1,#RB H	Pass	1G	1.82765G	-17.55	1
1922.5MHz_RB 1,#RB H	Pass	1.935G	10.62756G	-12.08	1
1950MHz_RB 25,#RB 0	Pass	9k	9.176k	-38.65	1
1950MHz_RB 25,#RB 0	Pass	150k	18.948M	-32.65	1
1950MHz_RB 25,#RB 0	Pass	30M	974.3M	-23.26	1
1950MHz_RB 25,#RB 0	Pass	1G	1.915G	-17.34	1
1950MHz_RB 25,#RB 0	Pass	1.9625G	10.66532G	-11.23	1
1950MHz_RB 1,#RB L	Pass	9k	28.952k	-37.38	1
1950MHz_RB 1,#RB L	Pass	150k	4.008M	-31.49	1
1950MHz_RB 1,#RB L	Pass	30M	949.32M	-22.90	1
1950MHz_RB 1,#RB L	Pass	1G	1.61336G	-17.36	1
1950MHz_RB 1,#RB L	Pass	1.9625G	10.30528G	-12.28	1
1950MHz_RB 1,#RB H	Pass	9k	13.618k	-35.80	1
1950MHz_RB 1,#RB H	Pass	150k	3.836M	-32.52	1
1950MHz_RB 1,#RB H	Pass	30M	993.7M	-22.31	1
1950MHz_RB 1,#RB H	Pass	1G	1.90797G	-17.89	1
1950MHz_RB 1,#RB H	Pass	1.9625G	10.61003G	-11.85	1
1977.5MHz_RB 25,#RB 0	Pass	9k	12.631k	-36.28	1
1977.5MHz_RB 25,#RB 0	Pass	150k	254.475k	-32.21	1
1977.5MHz_RB 25,#RB 0	Pass	30M	902.76M	-23.17	1
1977.5MHz_RB 25,#RB 0	Pass	1G	1.83087G	-17.39	1
1977.5MHz_RB 25,#RB 0	Pass	1.99G	10.30614G	-11.83	1
1977.5MHz_RB 1,#RB L	Pass	9k	9.388k	-35.78	1
1977.5MHz_RB 1,#RB L	Pass	150k	20.366M	-32.33	1
1977.5MHz_RB 1,#RB L	Pass	30M	898.88M	-22.40	1
1977.5MHz_RB 1,#RB L	Pass	1G	1.3819G	-17.67	1
1977.5MHz_RB 1,#RB L	Pass	1.99G	10.60204G	-11.17	1
1977.5MHz_RB 1,#RB H	Pass	9k	10.868k	-34.19	1
1977.5MHz_RB 1,#RB H	Pass	150k	21.127M	-32.76	1
1977.5MHz_RB 1,#RB H	Pass	30M	992.97M	-23.03	1
1977.5MHz_RB 1,#RB H	Pass	1G	1.83473G	-17.29	1
1977.5MHz_RB 1,#RB H	Pass	1.99G	10.64104G	-10.60	1
Band 1_LTE_20MHz_Nss1,QPSK_1TX	-	-	-	-	-
1930MHz_RB 100,#RB 0	Pass	9k	9k	-37.33	1
1930MHz_RB 100,#RB 0	Pass	150k	16.762M	-31.36	1
1930MHz_RB 100,#RB 0	Pass	30M	958.53M	-23.72	1
1930MHz_RB 100,#RB 0	Pass	1G	1.895G	-16.18	1
1930MHz_RB 100,#RB 0	Pass	1.965G	10.58087G	-11.89	1
1930MHz_RB 1,#RB L	Pass	9k	18.905k	-37.47	1



傳導帶外輻射發射限制測試結果

附錄 C

Mode	Result	F-Start (Hz)	Freq (Hz)	Margin (dB)	Port
1930MHz_RB 1,#RB L	Pass	150k	19.135M	-32.56	1
1930MHz_RB 1,#RB L	Pass	30M	997.58M	-22.87	1
1930MHz_RB 1,#RB L	Pass	1G	1.81266G	-17.24	1
1930MHz_RB 1,#RB L	Pass	1.965G	12.35904G	-11.50	1
1930MHz_RB 1,#RB H	Pass	9k	20.104k	-36.82	1
1930MHz_RB 1,#RB H	Pass	150k	970.875k	-33.32	1
1930MHz_RB 1,#RB H	Pass	30M	876.81M	-22.07	1
1930MHz_RB 1,#RB H	Pass	1G	1.78111G	-17.61	1
1930MHz_RB 1,#RB H	Pass	1.965G	10.62266G	-11.40	1
1950MHz_RB 100,#RB 0	Pass	9k	9.388k	-34.89	1
1950MHz_RB 100,#RB 0	Pass	150k	157.462k	-31.66	1
1950MHz_RB 100,#RB 0	Pass	30M	958.05M	-22.80	1
1950MHz_RB 100,#RB 0	Pass	1G	1.90677G	-15.43	1
1950MHz_RB 100,#RB 0	Pass	1.985G	10.6293G	-10.58	1
1950MHz_RB 1,#RB L	Pass	9k	12.349k	-35.56	1
1950MHz_RB 1,#RB L	Pass	150k	3.762M	-30.90	1
1950MHz_RB 1,#RB L	Pass	30M	960.47M	-22.94	1
1950MHz_RB 1,#RB L	Pass	1G	1.85141G	-17.21	1
1950MHz_RB 1,#RB L	Pass	1.985G	10.60911G	-11.43	1
1950MHz_RB 1,#RB H	Pass	9k	10.868k	-35.88	1
1950MHz_RB 1,#RB H	Pass	150k	1.568M	-32.83	1
1950MHz_RB 1,#RB H	Pass	30M	911.73M	-21.82	1
1950MHz_RB 1,#RB H	Pass	1G	1.80566G	-17.32	1
1950MHz_RB 1,#RB H	Pass	1.985G	10.66832G	-11.72	1
1970MHz_RB 100,#RB 0	Pass	9k	9.599k	-34.30	1
1970MHz_RB 100,#RB 0	Pass	150k	232.088k	-32.43	1
1970MHz_RB 100,#RB 0	Pass	30M	934.28M	-21.76	1
1970MHz_RB 100,#RB 0	Pass	1G	1.46025G	-18.05	1
1970MHz_RB 100,#RB 0	Pass	2.005G	12.13754G	-11.52	1
1970MHz_RB 1,#RB L	Pass	9k	11.256k	-35.43	1
1970MHz_RB 1,#RB L	Pass	150k	21.067M	-31.99	1
1970MHz_RB 1,#RB L	Pass	30M	957.08M	-22.96	1
1970MHz_RB 1,#RB L	Pass	1G	1.4086G	-17.54	1
1970MHz_RB 1,#RB L	Pass	2.005G	10.63189G	-11.74	1
1970MHz_RB 1,#RB H	Pass	9k	10.269k	-37.70	1
1970MHz_RB 1,#RB H	Pass	150k	11.135M	-33.66	1
1970MHz_RB 1,#RB H	Pass	30M	860.08M	-22.89	1
1970MHz_RB 1,#RB H	Pass	1G	1.87189G	-16.18	1
1970MHz_RB 1,#RB H	Pass	2.005G	10.66547G	-11.29	1

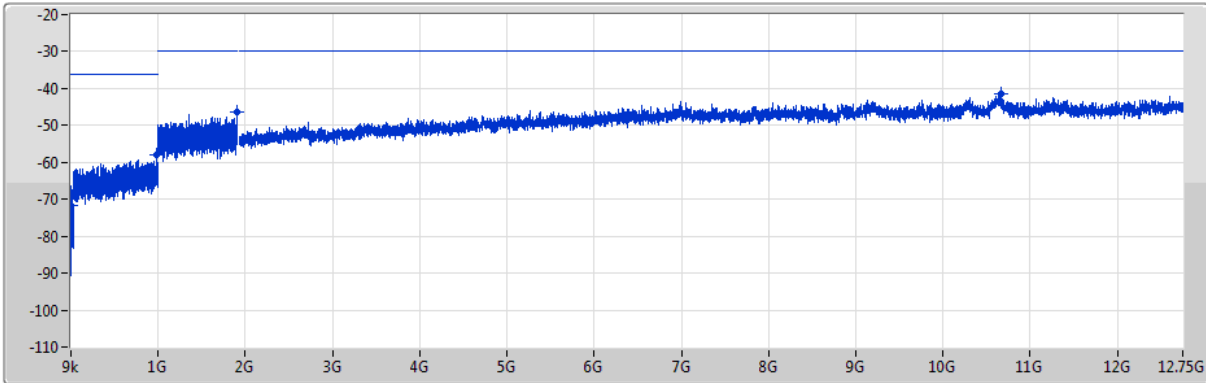
Band 1_LTE_5MHz_Nss1,QPSK_1TX

CSE-TX-Sum

1922.5MHz_QPSK_RB 25,#RB 0

02/09/2020

Port 1



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark	Ref.Limit(dB)
9k	150k	1k	1k	RMS	12.278k	-71.75	-36.00	-35.75	1	-	-
150k	30M	10k	10k	RMS	157.462k	-68.26	-36.00	-32.26	1	-	-
30M	1G	100k	100k	RMS	984.24M	-58.09	-36.00	-22.09	1	-	-
1G	1.91G	1M	1M	RMS	1.89976G	-46.50	-30.00	-16.50	1	-	-
1.935G	12.75G	1M	1M	RMS	10.66541G	-41.42	-30.00	-11.42	1	-	-

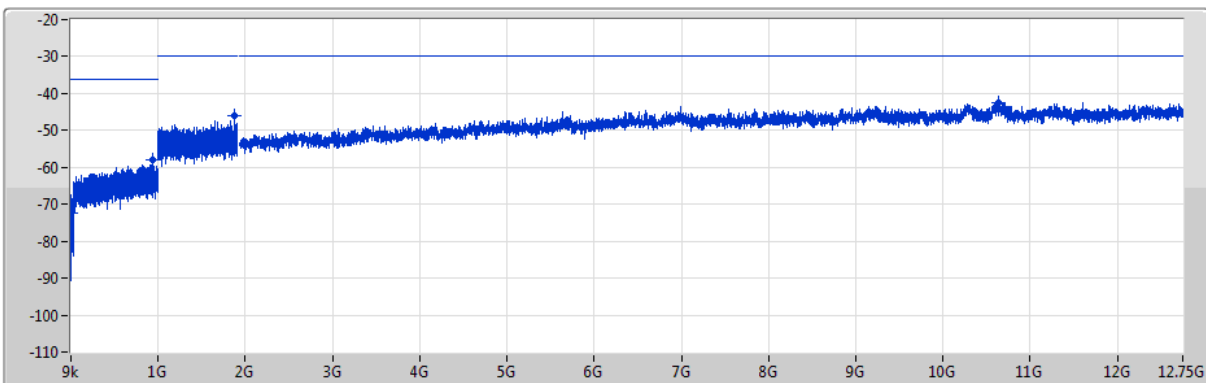
Band 1_LTE_5MHz_Nss1,QPSK_1TX

CSE-TX-Sum

1922.5MHz_QPSK_RB 1,#RB 1

02/09/2020

Port 1



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark	Ref.Limit(dB)
9k	150k	1k	1k	RMS	9k	-72.52	-36.00	-36.52	1	-	-
150k	30M	10k	10k	RMS	3.926M	-69.34	-36.00	-33.34	1	-	-
30M	1G	100k	100k	RMS	937.44M	-57.89	-36.00	-21.89	1	-	-
1G	1.91G	1M	1M	RMS	1.87861G	-46.02	-30.00	-16.02	1	-	-
1.935G	12.75G	1M	1M	RMS	10.63567G	-42.53	-30.00	-12.53	1	-	-

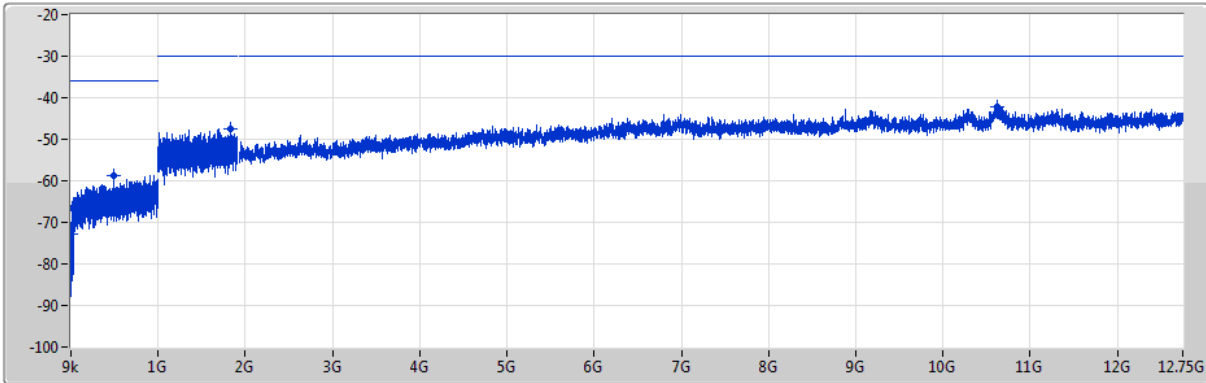
Band 1_LTE_5MHz_Nss1,QPSK_1TX

CSE-TX-Sum

1922.5MHz_QPSK_RB 1,#RB H

02/09/2020

Port 1 



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark	Ref.Limit(dB)
9k	150k	1k	1k	RMS	10.445k	-72.82	-36.00	-36.82	1	-	-
150k	30M	10k	10k	RMS	10.53M	-66.63	-36.00	-30.63	1	-	-
30M	1G	100k	100k	RMS	494.87M	-58.68	-36.00	-22.68	1	-	-
1G	1.91G	1M	1M	RMS	1.82765G	-47.55	-30.00	-17.55	1	-	-
1.935G	12.75G	1M	1M	RMS	10.62756G	-42.08	-30.00	-12.08	1	-	-

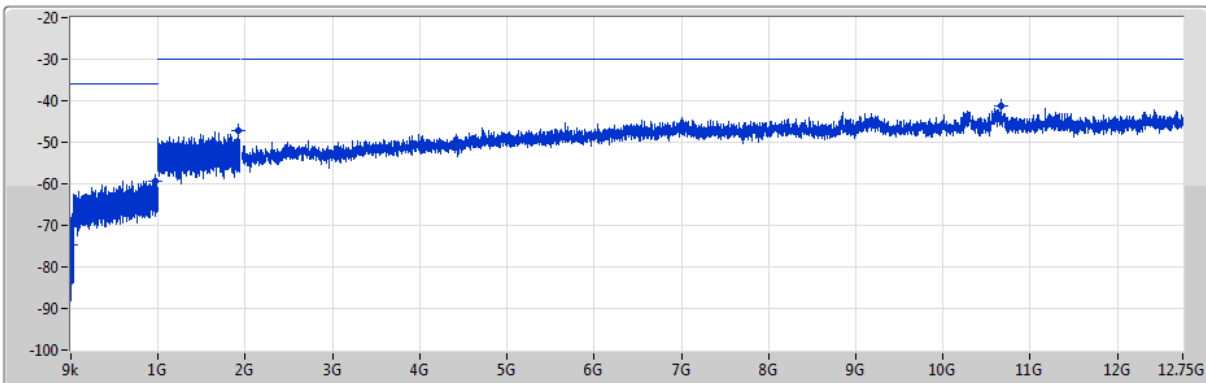
Band 1_LTE_5MHz_Nss1,QPSK_1TX

CSE-TX-Sum

1950MHz_QPSK_RB 25,#RB 0

02/09/2020

Port 1 



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark	Ref.Limit(dB)
9k	150k	1k	1k	RMS	9.176k	-74.65	-36.00	-38.65	1	-	-
150k	30M	10k	10k	RMS	18.948M	-68.65	-36.00	-32.65	1	-	-
30M	1G	100k	100k	RMS	974.3M	-59.26	-36.00	-23.26	1	-	-
1G	1.9375G	1M	1M	RMS	1.915G	-47.34	-30.00	-17.34	1	-	-
1.9625G	12.75G	1M	1M	RMS	10.66532G	-41.23	-30.00	-11.23	1	-	-

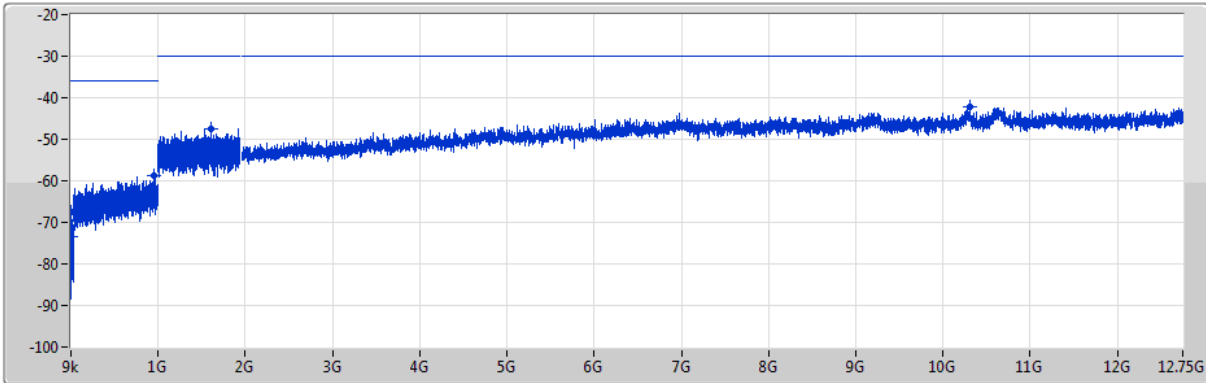
Band 1_LTE_5MHz_Nss1,QPSK_1TX

CSE-TX-Sum

1950MHz_QPSK_RB 1,#RB L

02/09/2020

Port 1



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark	Ref.Limit(dB)
9k	150k	1k	1k	RMS	28.952k	-73.38	-36.00	-37.38	1	-	-
150k	30M	10k	10k	RMS	4.008M	-67.49	-36.00	-31.49	1	-	-
30M	1G	100k	100k	RMS	949.32M	-58.90	-36.00	-22.90	1	-	-
1G	1.9375G	1M	1M	RMS	1.61336G	-47.36	-30.00	-17.36	1	-	-
1.9625G	12.75G	1M	1M	RMS	10.30528G	-42.28	-30.00	-12.28	1	-	-

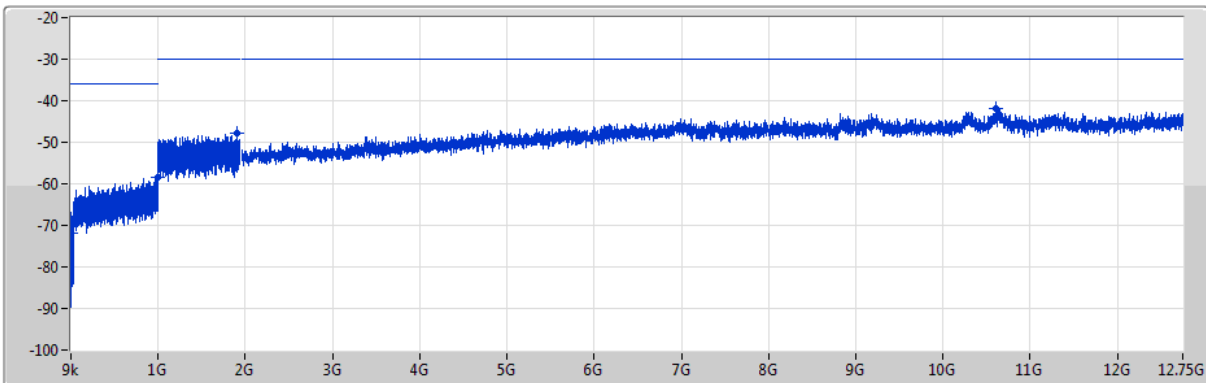
Band 1_LTE_5MHz_Nss1,QPSK_1TX

CSE-TX-Sum

1950MHz_QPSK_RB 1,#RB H

02/09/2020

Port 1



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark	Ref.Limit(dB)
9k	150k	1k	1k	RMS	13.618k	-71.80	-36.00	-35.80	1	-	-
150k	30M	10k	10k	RMS	3.836M	-68.52	-36.00	-32.52	1	-	-
30M	1G	100k	100k	RMS	993.7M	-58.31	-36.00	-22.31	1	-	-
1G	1.9375G	1M	1M	RMS	1.90797G	-47.89	-30.00	-17.89	1	-	-
1.9625G	12.75G	1M	1M	RMS	10.61003G	-41.85	-30.00	-11.85	1	-	-

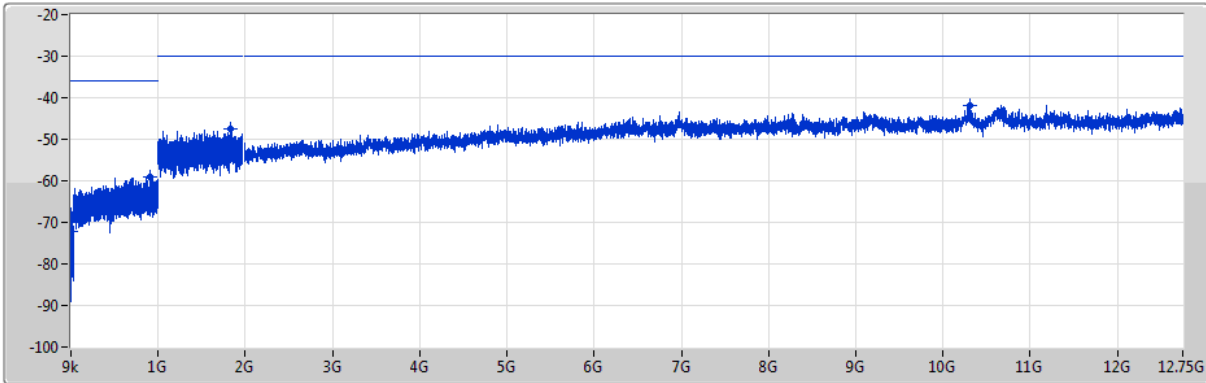
Band 1_LTE_5MHz_Nss1,QPSK_1TX

CSE-TX-Sum

1977.5MHz_QPSK_RB 25,#RB 0

02/09/2020

Port 1 



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark	Ref.Limit(dB)
9k	150k	1k	1k	RMS	12.631k	-72.28	-36.00	-36.28	1	-	-
150k	30M	10k	10k	RMS	254.475k	-68.21	-36.00	-32.21	1	-	-
30M	1G	100k	100k	RMS	902.76M	-59.17	-36.00	-23.17	1	-	-
1G	1.965G	1M	1M	RMS	1.83087G	-47.39	-30.00	-17.39	1	-	-
1.99G	12.75G	1M	1M	RMS	10.30614G	-41.83	-30.00	-11.83	1	-	-

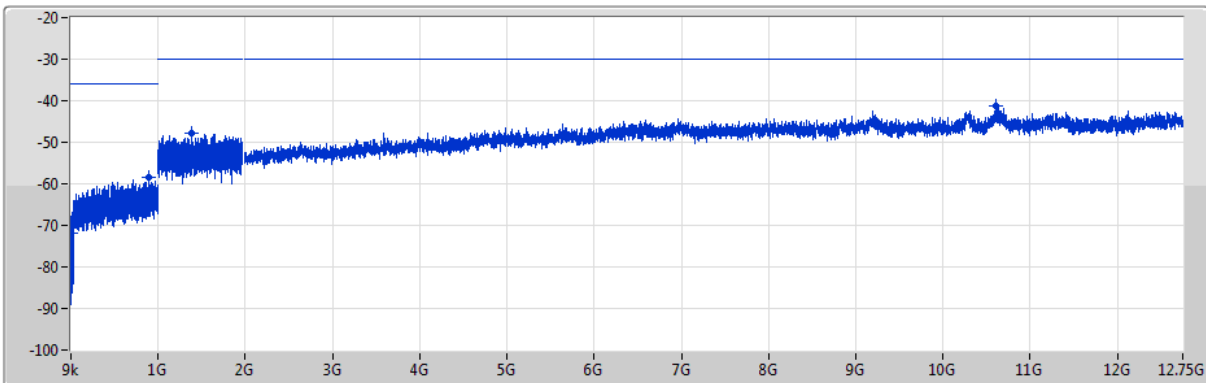
Band 1_LTE_5MHz_Nss1,QPSK_1TX

CSE-TX-Sum

1977.5MHz_QPSK_RB 1,#RB L

02/09/2020

Port 1 



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark	Ref.Limit(dB)
9k	150k	1k	1k	RMS	9.388k	-71.78	-36.00	-35.78	1	-	-
150k	30M	10k	10k	RMS	20.366M	-68.33	-36.00	-32.33	1	-	-
30M	1G	100k	100k	RMS	898.88M	-58.40	-36.00	-22.40	1	-	-
1G	1.965G	1M	1M	RMS	1.3819G	-47.67	-30.00	-17.67	1	-	-
1.99G	12.75G	1M	1M	RMS	10.60204G	-41.17	-30.00	-11.17	1	-	-

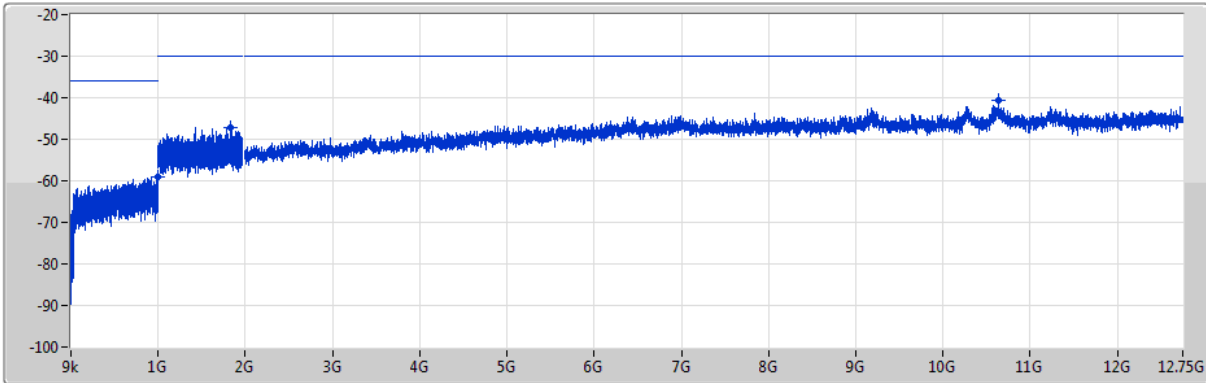
Band 1_LTE_5MHz_Nss1,QPSK_1TX

CSE-TX-Sum

1977.5MHz_QPSK_RB 1,#RB H

02/09/2020

Port 1 



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark	Ref.Limit(dB)
9k	150k	1k	1k	RMS	10.868k	-70.19	-36.00	-34.19	1	-	-
150k	30M	10k	10k	RMS	21.127M	-68.76	-36.00	-32.76	1	-	-
30M	1G	100k	100k	RMS	992.97M	-59.03	-36.00	-23.03	1	-	-
1G	1.965G	1M	1M	RMS	1.83473G	-47.29	-30.00	-17.29	1	-	-
1.99G	12.75G	1M	1M	RMS	10.64104G	-40.60	-30.00	-10.60	1	-	-

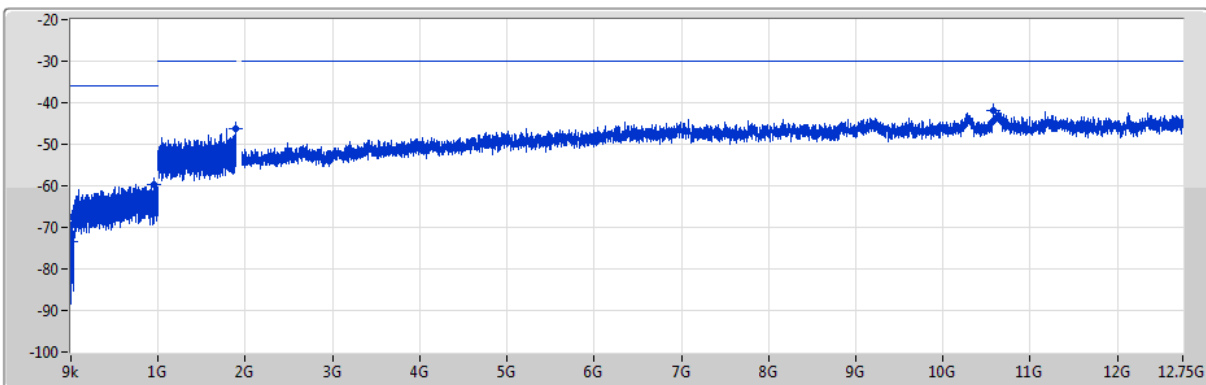
Band 1_LTE_20MHz_Nss1,QPSK_1TX

CSE-TX-Sum

1930MHz_QPSK_RB 100,#RB 0

02/09/2020

Port 1 



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark	Ref.Limit(dB)
9k	150k	1k	1k	RMS	9k	-73.33	-36.00	-37.33	1	-	-
150k	30M	10k	10k	RMS	16.762M	-67.36	-36.00	-31.36	1	-	-
30M	1G	100k	100k	RMS	958.53M	-59.72	-36.00	-23.72	1	-	-
1G	1.895G	1M	1M	RMS	1.895G	-46.18	-30.00	-16.18	1	-	-
1.965G	12.75G	1M	1M	RMS	10.58087G	-41.89	-30.00	-11.89	1	-	-

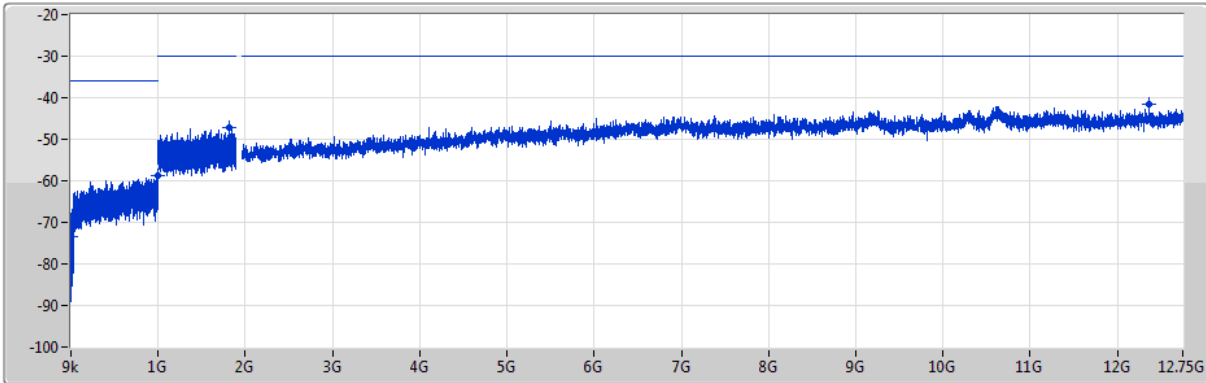
Band 1_LTE_20MHz_Nss1,QPSK_1TX

CSE-TX-Sum

1930MHz_QPSK_RB 1,#RB L

02/09/2020

Port 1



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark	Ref.Limit(dB)
9k	150k	1k	1k	RMS	18.905k	-73.47	-36.00	-37.47	1	-	-
150k	30M	10k	10k	RMS	19.135M	-68.56	-36.00	-32.56	1	-	-
30M	1G	100k	100k	RMS	997.58M	-58.87	-36.00	-22.87	1	-	-
1G	1.895G	1M	1M	RMS	1.81266G	-47.24	-30.00	-17.24	1	-	-
1.965G	12.75G	1M	1M	RMS	12.35904G	-41.50	-30.00	-11.50	1	-	-

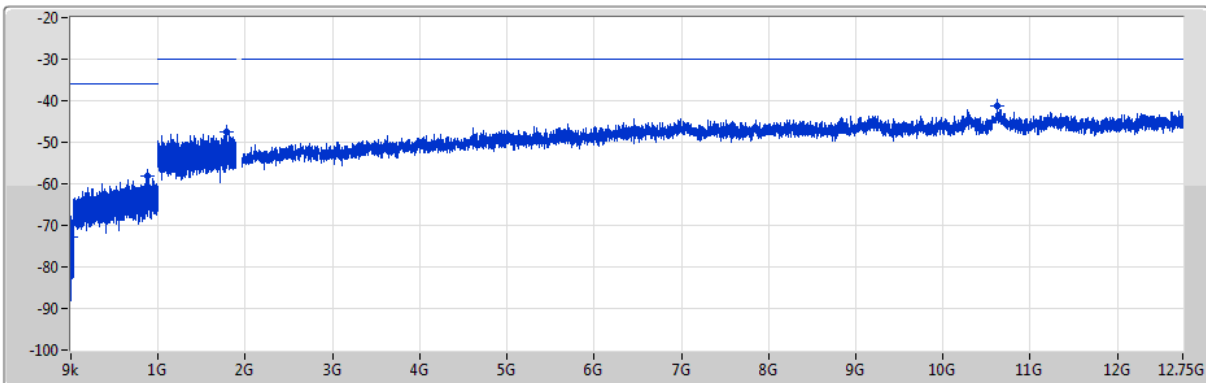
Band 1_LTE_20MHz_Nss1,QPSK_1TX

CSE-TX-Sum

1930MHz_QPSK_RB 1,#RB H

02/09/2020

Port 1



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark	Ref.Limit(dB)
9k	150k	1k	1k	RMS	20.104k	-72.82	-36.00	-36.82	1	-	-
150k	30M	10k	10k	RMS	970.875k	-69.32	-36.00	-33.32	1	-	-
30M	1G	100k	100k	RMS	876.81M	-58.07	-36.00	-22.07	1	-	-
1G	1.895G	1M	1M	RMS	1.78111G	-47.61	-30.00	-17.61	1	-	-
1.965G	12.75G	1M	1M	RMS	10.62266G	-41.40	-30.00	-11.40	1	-	-

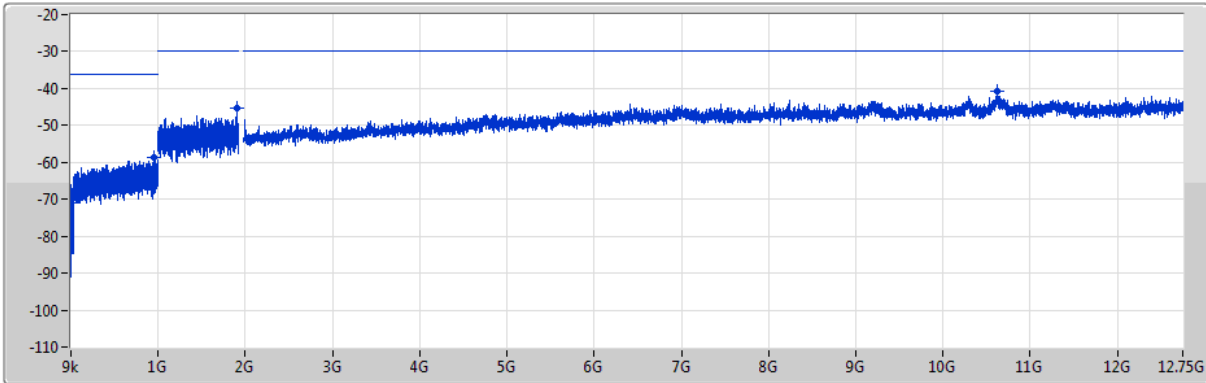
Band 1_LTE_20MHz_Nss1,QPSK_1TX

CSE-TX-Sum

1950MHz_QPSK_RB 100,#RB 0

02/09/2020

Port 1



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark	Ref.Limit(dB)
9k	150k	1k	1k	RMS	9.388k	-70.89	-36.00	-34.89	1	-	-
150k	30M	10k	10k	RMS	157.462k	-67.66	-36.00	-31.66	1	-	-
30M	1G	100k	100k	RMS	958.05M	-58.80	-36.00	-22.80	1	-	-
1G	1.915G	1M	1M	RMS	1.90677G	-45.43	-30.00	-15.43	1	-	-
1.985G	12.75G	1M	1M	RMS	10.6293G	-40.58	-30.00	-10.58	1	-	-

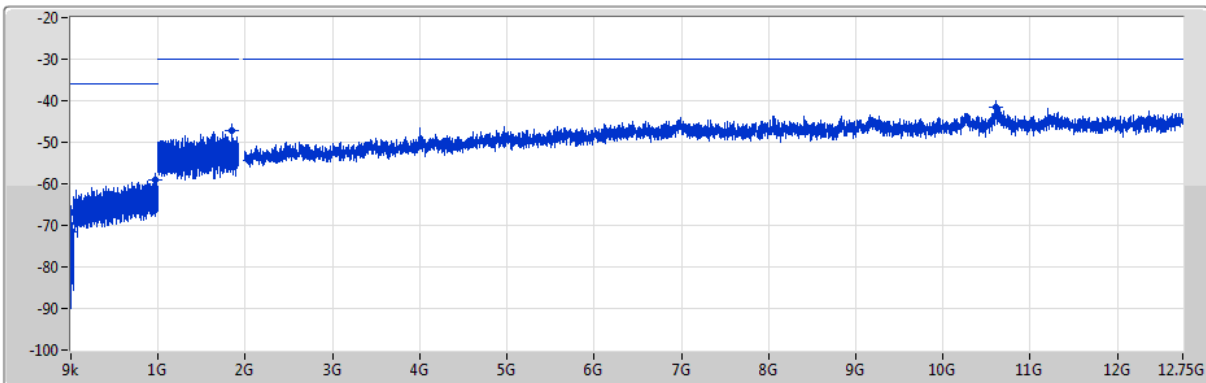
Band 1_LTE_20MHz_Nss1,QPSK_1TX

CSE-TX-Sum

1950MHz_QPSK_RB 1,#RB L

02/09/2020

Port 1



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark	Ref.Limit(dB)
9k	150k	1k	1k	RMS	12.349k	-71.56	-36.00	-35.56	1	-	-
150k	30M	10k	10k	RMS	3.762M	-66.90	-36.00	-30.90	1	-	-
30M	1G	100k	100k	RMS	960.47M	-58.94	-36.00	-22.94	1	-	-
1G	1.915G	1M	1M	RMS	1.85141G	-47.21	-30.00	-17.21	1	-	-
1.985G	12.75G	1M	1M	RMS	10.60911G	-41.43	-30.00	-11.43	1	-	-

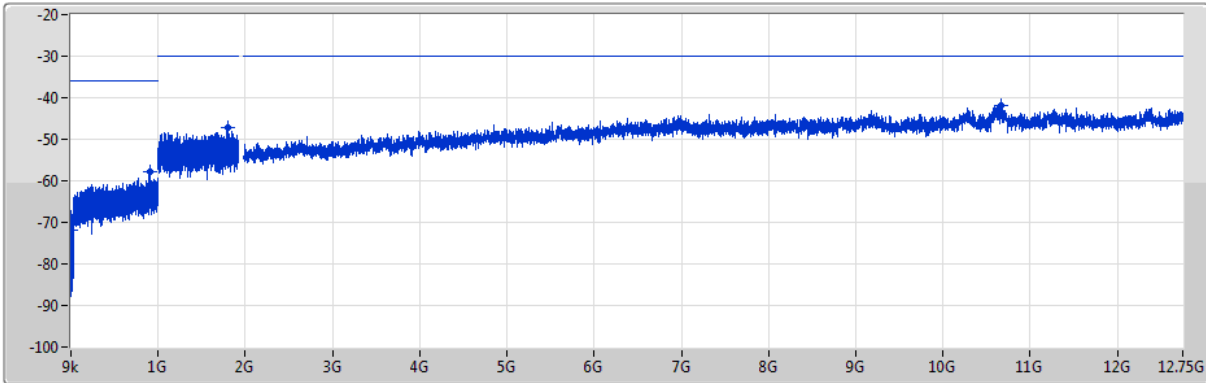
Band 1_LTE_20MHz_Nss1,QPSK_1TX

CSE-TX-Sum

1950MHz_QPSK_RB 1,#RB H

02/09/2020

Port 1



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark	Ref.Limit(dB)
9k	150k	1k	1k	RMS	10.868k	-71.88	-36.00	-35.88	1	-	-
150k	30M	10k	10k	RMS	1.568M	-68.83	-36.00	-32.83	1	-	-
30M	1G	100k	100k	RMS	911.73M	-57.82	-36.00	-21.82	1	-	-
1G	1.915G	1M	1M	RMS	1.80566G	-47.32	-30.00	-17.32	1	-	-
1.985G	12.75G	1M	1M	RMS	10.66832G	-41.72	-30.00	-11.72	1	-	-

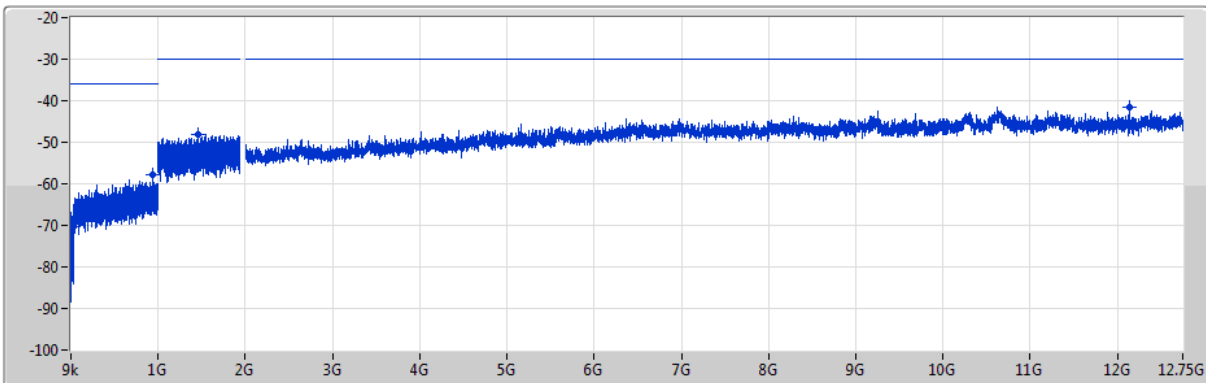
Band 1_LTE_20MHz_Nss1,QPSK_1TX

CSE-TX-Sum

1970MHz_QPSK_RB 100,#RB 0

02/09/2020

Port 1



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark	Ref.Limit(dB)
9k	150k	1k	1k	RMS	9.599k	-70.30	-36.00	-34.30	1	-	-
150k	30M	10k	10k	RMS	232.088k	-68.43	-36.00	-32.43	1	-	-
30M	1G	100k	100k	RMS	934.28M	-57.76	-36.00	-21.76	1	-	-
1G	1.935G	1M	1M	RMS	1.46025G	-48.05	-30.00	-18.05	1	-	-
2.005G	12.75G	1M	1M	RMS	12.13754G	-41.52	-30.00	-11.52	1	-	-

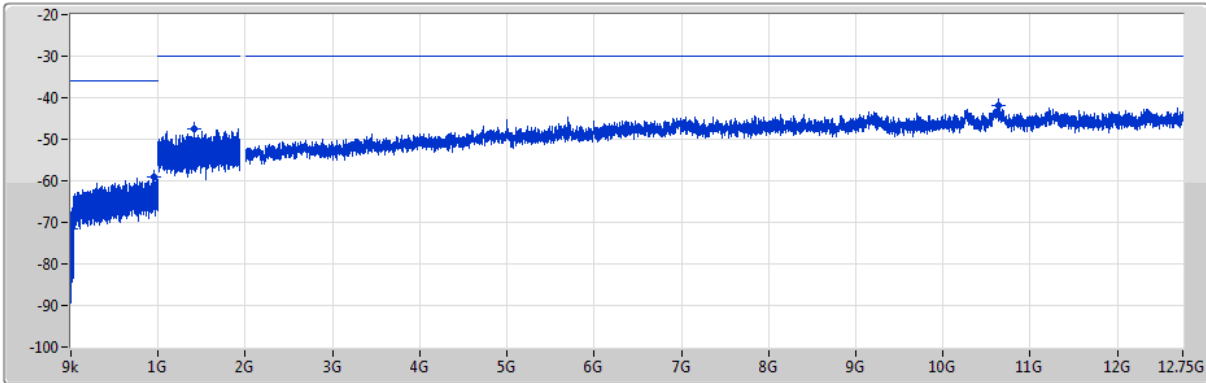
Band 1_LTE_20MHz_Nss1,QPSK_1TX

CSE-TX-Sum

1970MHz_QPSK_RB 1,#RB L

02/09/2020

Port 1



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark	Ref.Limit(dB)
9k	150k	1k	1k	RMS	11.256k	-71.43	-36.00	-35.43	1	-	-
150k	30M	10k	10k	RMS	21.067M	-67.99	-36.00	-31.99	1	-	-
30M	1G	100k	100k	RMS	957.08M	-58.96	-36.00	-22.96	1	-	-
1G	1.935G	1M	1M	RMS	1.4086G	-47.54	-30.00	-17.54	1	-	-
2.005G	12.75G	1M	1M	RMS	10.63189G	-41.74	-30.00	-11.74	1	-	-

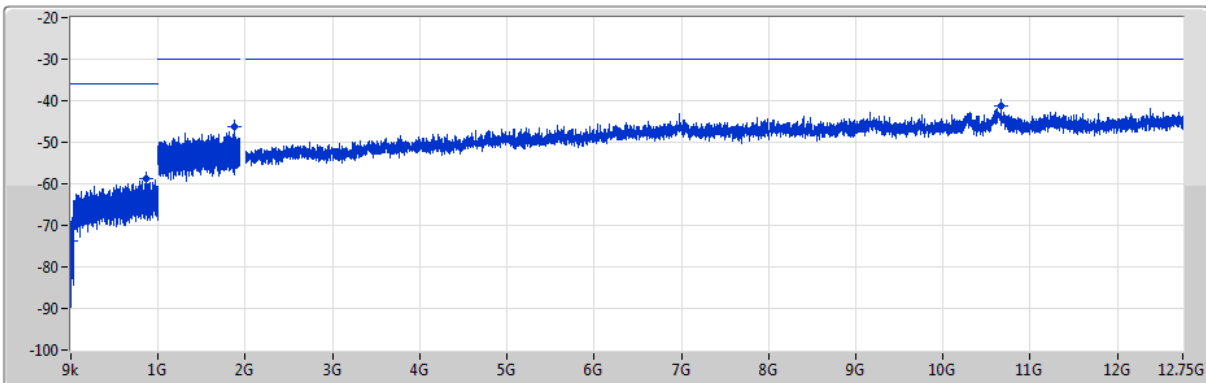
Band 1_LTE_20MHz_Nss1,QPSK_1TX

CSE-TX-Sum

1970MHz_QPSK_RB 1,#RB H

02/09/2020

Port 1



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark	Ref.Limit(dB)
9k	150k	1k	1k	RMS	10.269k	-73.70	-36.00	-37.70	1	-	-
150k	30M	10k	10k	RMS	11.135M	-69.66	-36.00	-33.66	1	-	-
30M	1G	100k	100k	RMS	860.08M	-58.89	-36.00	-22.89	1	-	-
1G	1.935G	1M	1M	RMS	1.87189G	-46.18	-30.00	-16.18	1	-	-
2.005G	12.75G	1M	1M	RMS	10.66547G	-41.29	-30.00	-11.29	1	-	-



Summary

Mode	Result	Worst Margin (dB)
Band 1	-	-
LTE_5MHz_Nss1,QPSK_1TX	Pass	22.56
LTE_10MHz_Nss1,QPSK_1TX	Pass	22.62
LTE_20MHz_Nss1,QPSK_1TX	Pass	22.57
LTE_5MHz_Nss1,16QAM_1TX	Pass	21.52
LTE_10MHz_Nss1,16QAM_1TX	Pass	21.56
LTE_20MHz_Nss1,16QAM_1TX	Pass	21.68



Result

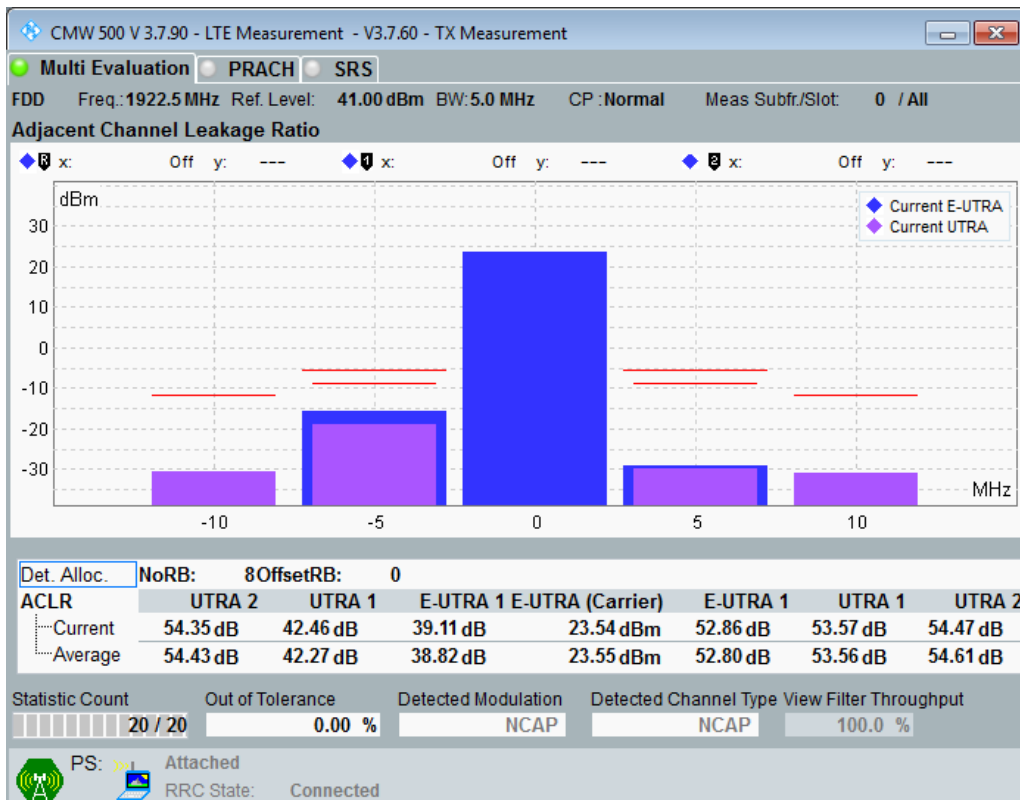
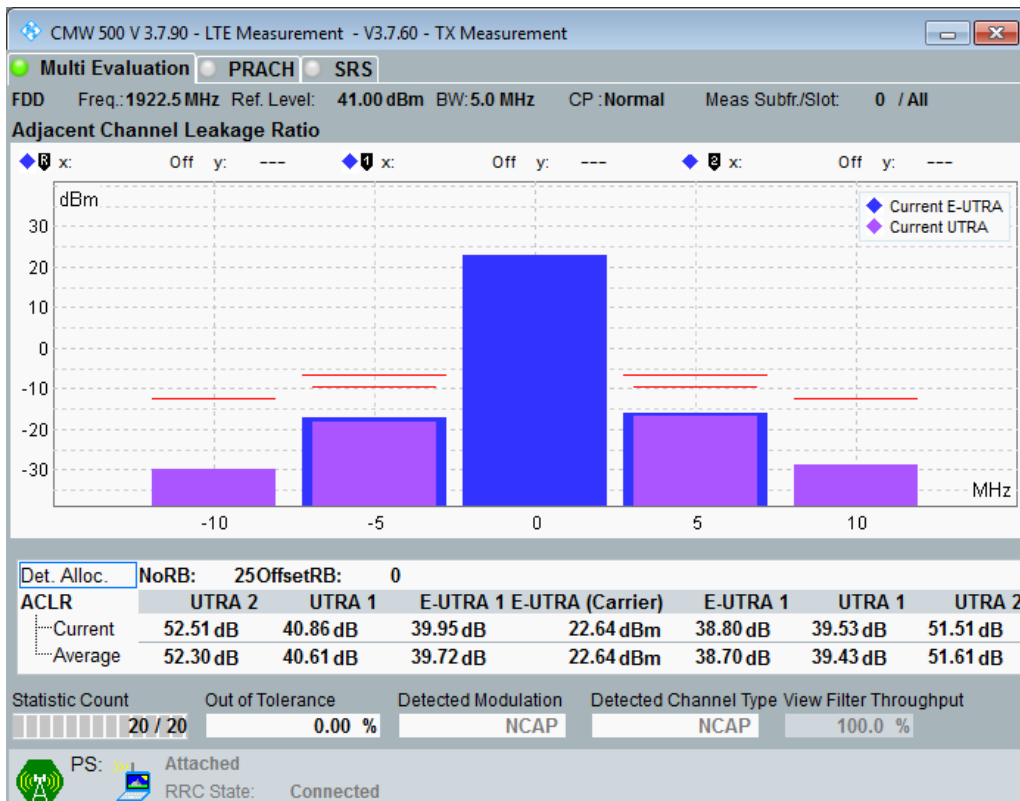
Mode	Result	E-UTRA (dBm)	E-UTRA1- (dB)	E-UTRA1+ (dB)	UTRA1- (dB)	UTRA1+ (dB)	UTRA2- (dB)	UTRA2+ (dB)	Port
Band 1_LTE_5MHz_Nss1,QPSK_1TX	-	-	-	-	-	-	-	-	-
1922.5MHz_RB 25,#RB 0	Pass	22.64	39.95	38.80	40.86	39.53	52.51	51.51	1
1922.5MHz_RB 8,#RB L	Pass	23.54	39.11	52.86	42.46	53.57	54.35	54.47	1
1922.5MHz_RB 8,#RB H	Pass	23.48	52.93	38.89	53.61	42.58	54.60	54.32	1
1950MHz_RB 25,#RB 0	Pass	22.62	47.89	44.74	48.58	45.35	52.28	51.07	1
1950MHz_RB 8,#RB L	Pass	23.61	44.86	52.95	46.57	53.76	54.15	54.26	1
1950MHz_RB 8,#RB H	Pass	23.40	52.68	44.22	53.39	46.08	54.14	53.81	1
1977.5MHz_RB 25,#RB 0	Pass	22.56	45.51	43.09	46.23	43.78	51.38	51.46	1
1977.5MHz_RB 8,#RB L	Pass	23.60	42.24	52.47	44.80	53.21	53.73	54.33	1
1977.5MHz_RB 8,#RB H	Pass	23.38	52.55	42.11	53.30	44.44	53.91	53.63	1
Band 1_LTE_10MHz_Nss1,QPSK_1TX	-	-	-	-	-	-	-	-	-
1925MHz_RB 50,#RB 0	Pass	22.75	41.10	38.56	43.04	40.96	47.72	44.20	1
1925MHz_RB 12,#RB L	Pass	23.71	40.40	50.63	41.11	54.39	53.74	54.39	1
1925MHz_RB 12,#RB H	Pass	23.81	50.81	41.89	54.38	42.51	54.59	54.27	1
1950MHz_RB 50,#RB 0	Pass	22.62	44.74	41.86	48.37	46.22	48.64	45.01	1
1950MHz_RB 12,#RB L	Pass	23.72	46.98	50.69	48.61	54.19	53.71	54.57	1
1950MHz_RB 12,#RB H	Pass	23.57	50.51	45.51	54.25	46.70	54.15	53.92	1
1975MHz_RB 50,#RB 0	Pass	22.66	43.38	41.08	46.78	44.21	47.28	45.57	1
1975MHz_RB 12,#RB L	Pass	23.68	44.29	50.68	45.30	54.31	53.70	54.51	1
1975MHz_RB 12,#RB H	Pass	23.54	50.32	44.30	54.10	45.26	54.02	53.89	1
Band 1_LTE_20MHz_Nss1,QPSK_1TX	-	-	-	-	-	-	-	-	-
1930MHz_RB 100,#RB 0	Pass	22.57	40.51	37.49	44.99	43.21	46.95	44.41	1
1930MHz_RB 18,#RB L	Pass	23.74	43.31	48.08	42.03	54.87	53.21	54.97	1
1930MHz_RB 18,#RB H	Pass	23.57	47.70	43.73	54.41	44.60	53.82	53.53	1
1950MHz_RB 100,#RB 0	Pass	22.65	39.75	38.70	46.92	45.38	46.07	46.10	1
1950MHz_RB 18,#RB L	Pass	23.89	45.72	48.09	47.94	54.98	52.91	54.61	1
1950MHz_RB 18,#RB H	Pass	23.56	47.68	44.28	54.32	45.40	53.91	53.40	1
1970MHz_RB 100,#RB 0	Pass	22.57	39.59	39.74	46.80	44.27	46.85	46.09	1
1970MHz_RB 18,#RB L	Pass	23.60	45.45	48.07	47.19	54.60	53.14	54.59	1
1970MHz_RB 18,#RB H	Pass	23.55	47.50	43.96	54.22	44.50	53.60	53.37	1
Band 1_LTE_5MHz_Nss1,16QAM_1TX	-	-	-	-	-	-	-	-	-
1922.5MHz_RB 25,#RB 0	Pass	21.63	41.66	40.48	42.55	41.32	51.48	51.22	1
1922.5MHz_RB 8,#RB L	Pass	22.55	40.41	52.08	43.29	52.77	53.67	53.68	1
1922.5MHz_RB 8,#RB H	Pass	22.52	52.22	40.15	52.94	43.25	53.40	53.42	1
1950MHz_RB 25,#RB 0	Pass	21.52	46.44	44.54	47.10	45.25	51.32	50.91	1
1950MHz_RB 8,#RB L	Pass	22.59	46.27	52.21	47.78	52.90	53.36	53.41	1
1950MHz_RB 8,#RB H	Pass	22.73	52.21	44.88	52.93	46.55	53.62	53.50	1
1977.5MHz_RB 25,#RB 0	Pass	21.71	45.63	43.73	46.34	44.39	50.68	50.47	1
1977.5MHz_RB 8,#RB L	Pass	22.91	42.78	52.04	44.93	52.78	53.40	53.60	1
1977.5MHz_RB 8,#RB H	Pass	22.67	52.07	43.53	52.80	45.54	53.26	53.32	1
Band 1_LTE_10MHz_Nss1,16QAM_1TX	-	-	-	-	-	-	-	-	-
1925MHz_RB 50,#RB 0	Pass	21.85	41.55	39.19	43.43	41.29	48.27	45.68	1
1925MHz_RB 12,#RB L	Pass	22.83	41.68	50.00	42.80	53.74	53.17	53.75	1
1925MHz_RB 12,#RB H	Pass	23.01	50.14	42.88	53.75	43.98	53.88	53.56	1
1950MHz_RB 50,#RB 0	Pass	21.56	43.66	41.99	46.38	45.37	48.74	46.40	1
1950MHz_RB 12,#RB L	Pass	22.73	46.39	49.84	48.15	53.63	53.03	53.62	1
1950MHz_RB 12,#RB H	Pass	22.85	49.79	44.48	53.65	45.71	53.50	53.32	1
1975MHz_RB 50,#RB 0	Pass	21.79	43.26	41.59	46.58	44.40	47.39	46.72	1
1975MHz_RB 12,#RB L	Pass	22.68	43.92	49.72	45.06	53.36	52.83	53.60	1
1975MHz_RB 12,#RB H	Pass	22.47	49.39	44.17	53.27	45.48	52.92	52.86	1
Band 1_LTE_20MHz_Nss1,16QAM_1TX	-	-	-	-	-	-	-	-	-
1930MHz_RB 100,#RB 0	Pass	21.68	40.54	37.71	45.42	43.19	46.19	43.93	1
1930MHz_RB 18,#RB L	Pass	22.60	43.44	46.82	43.39	53.60	52.23	53.58	1

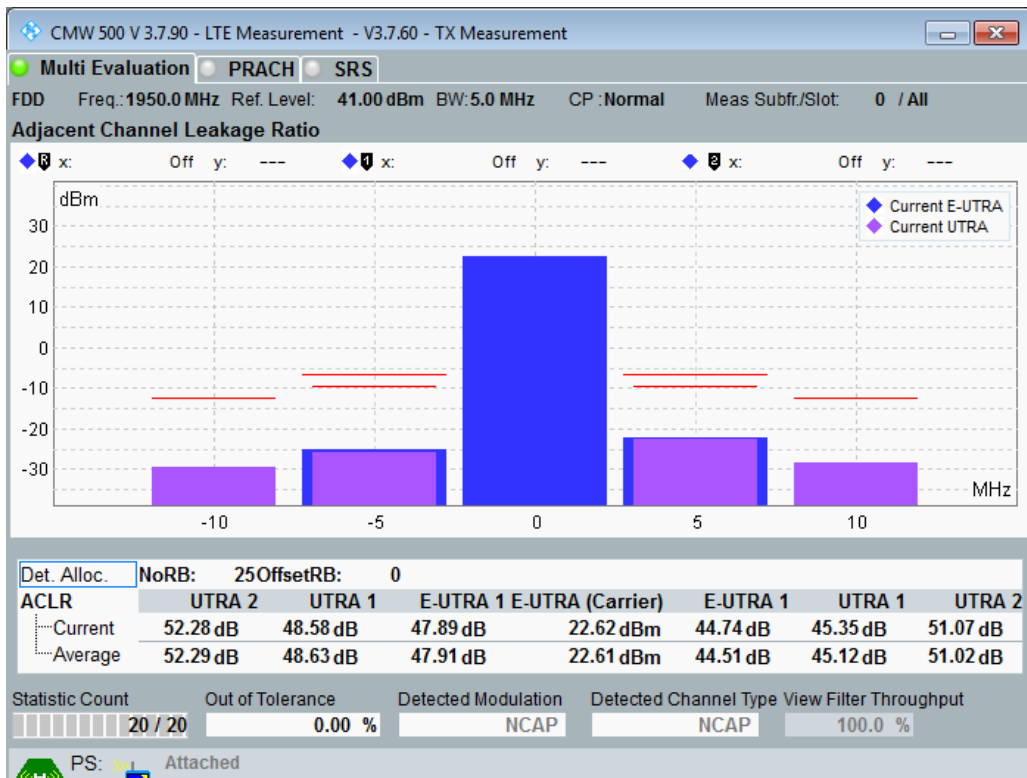
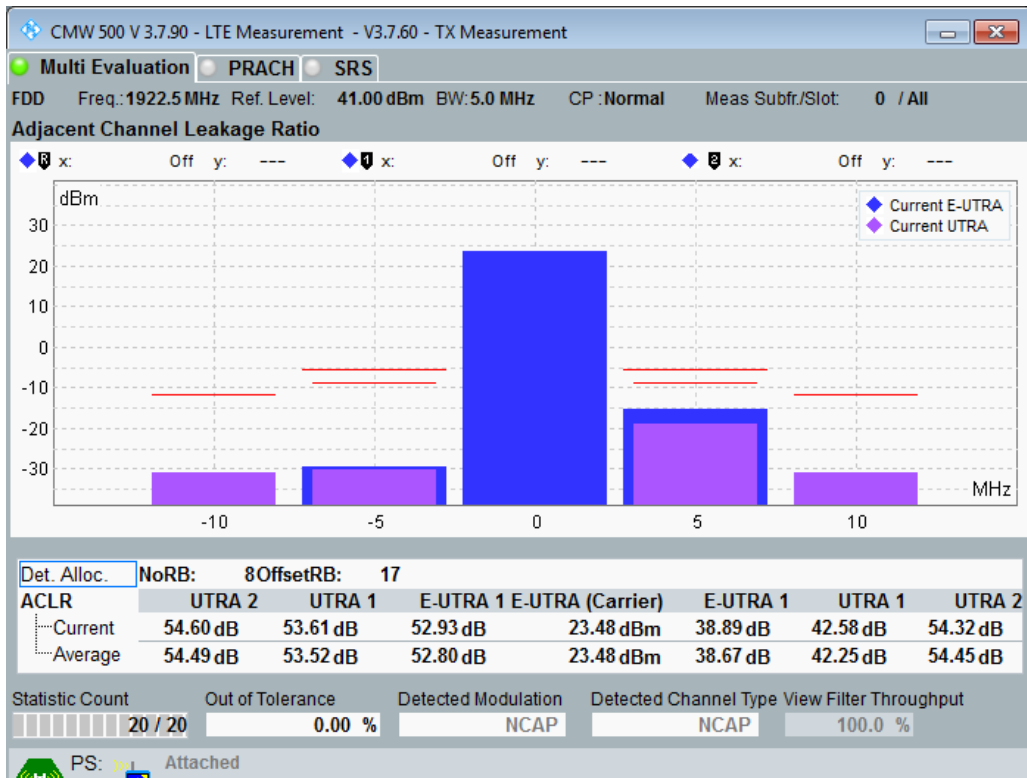


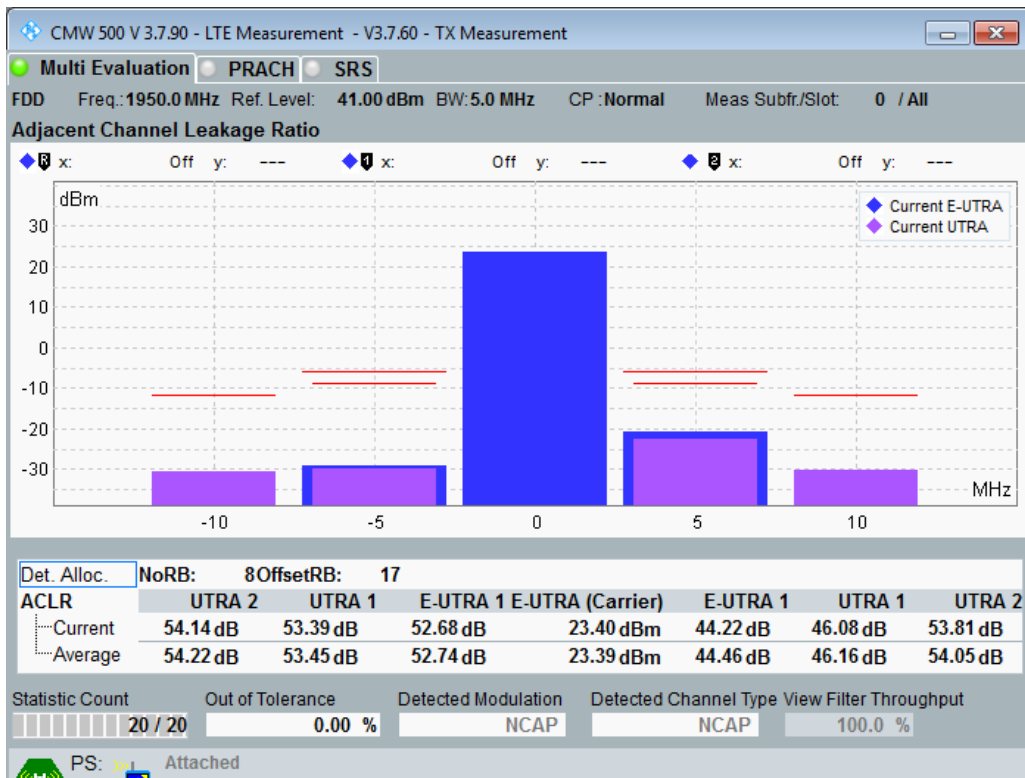
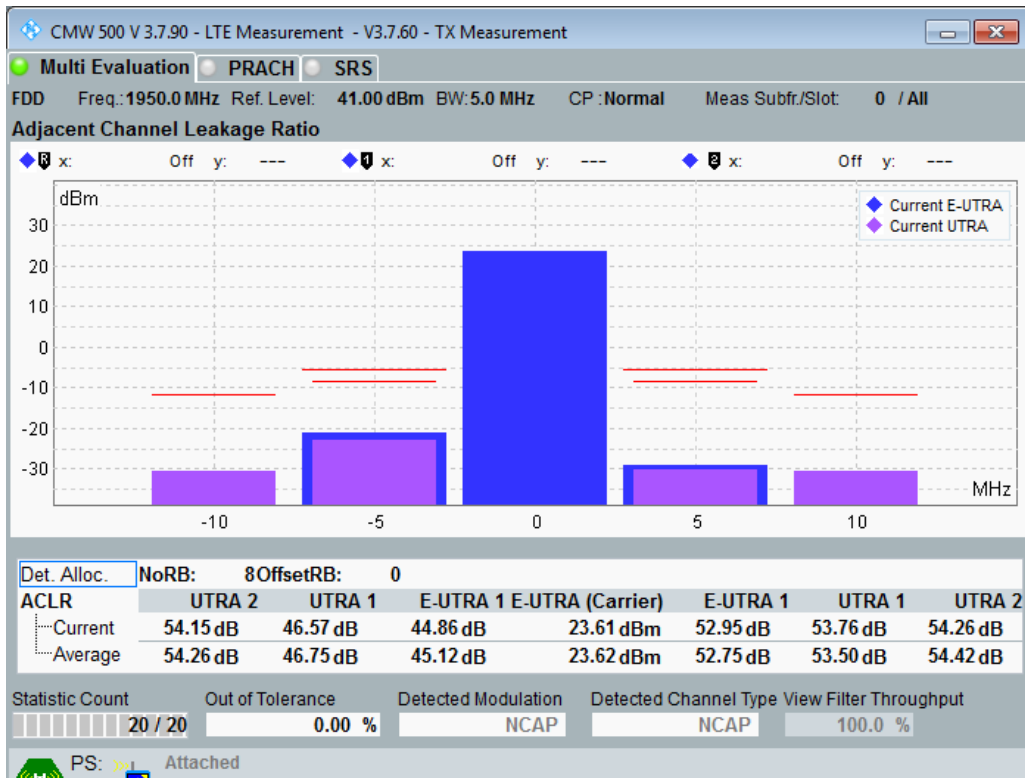
相鄰頻道洩漏功率比測試結果

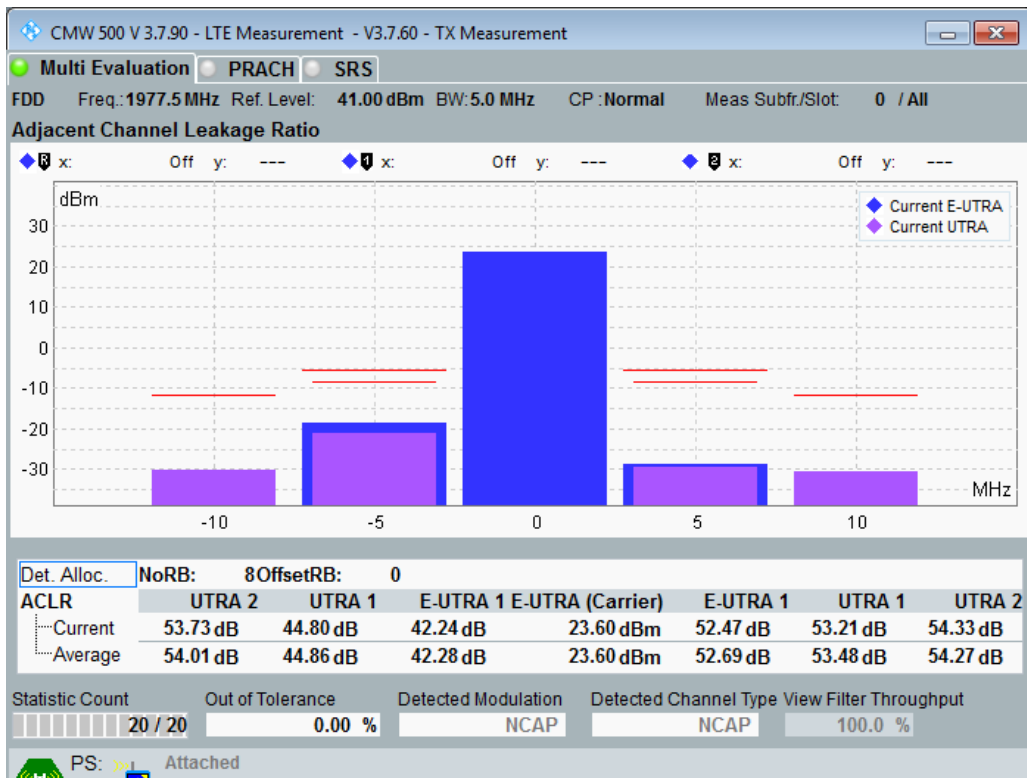
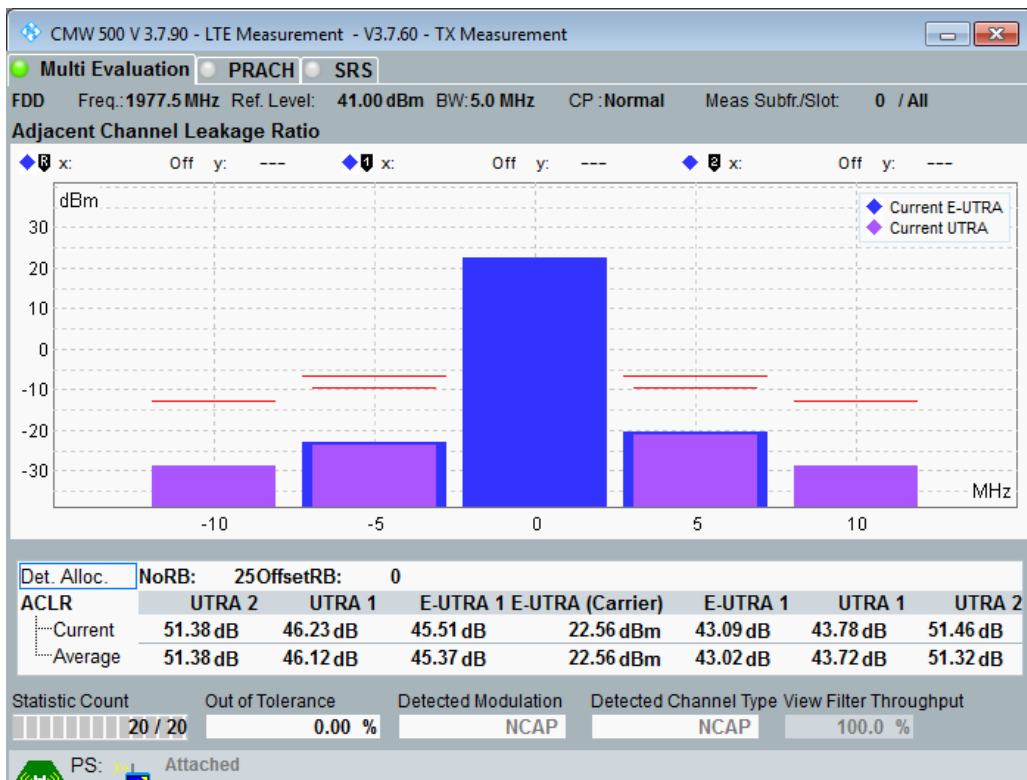
附錄 D

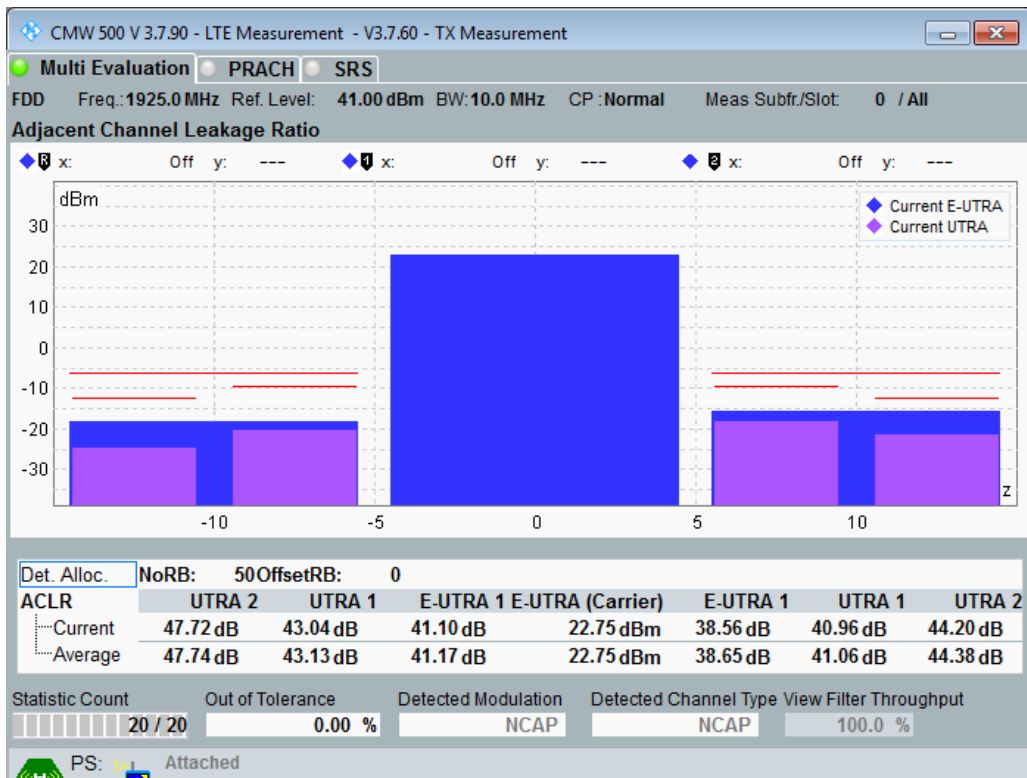
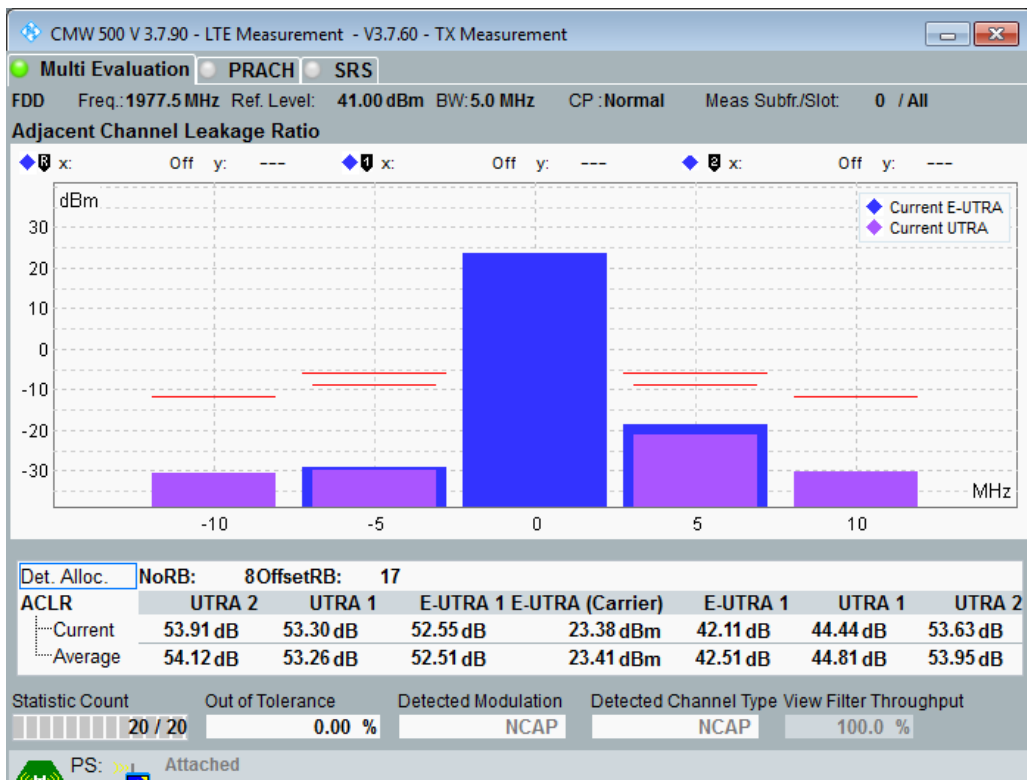
Mode	Result	E-UTRA (dBm)	E-UTRA1- (dB)	E-UTRA1+ (dB)	UTRA1- (dB)	UTRA1+ (dB)	UTRA2- (dB)	UTRA2+ (dB)	Port
1930MHz_RB 18,#RB H	Pass	22.57	46.81	44.12	53.48	45.85	53.20	52.79	1
1950MHz_RB 100,#RB 0	Pass	21.68	39.46	38.40	45.82	44.36	45.54	44.68	1
1950MHz_RB 18,#RB L	Pass	22.86	45.36	47.07	48.52	53.93	52.22	53.75	1
1950MHz_RB 18,#RB H	Pass	22.64	46.75	44.21	53.47	45.93	53.01	52.75	1
1970MHz_RB 100,#RB 0	Pass	21.69	39.11	39.51	45.83	44.07	45.26	45.48	1
1970MHz_RB 18,#RB L	Pass	22.56	44.95	47.12	47.83	53.69	51.94	53.49	1
1970MHz_RB 18,#RB H	Pass	22.46	46.45	44.30	53.29	45.72	52.64	52.71	1

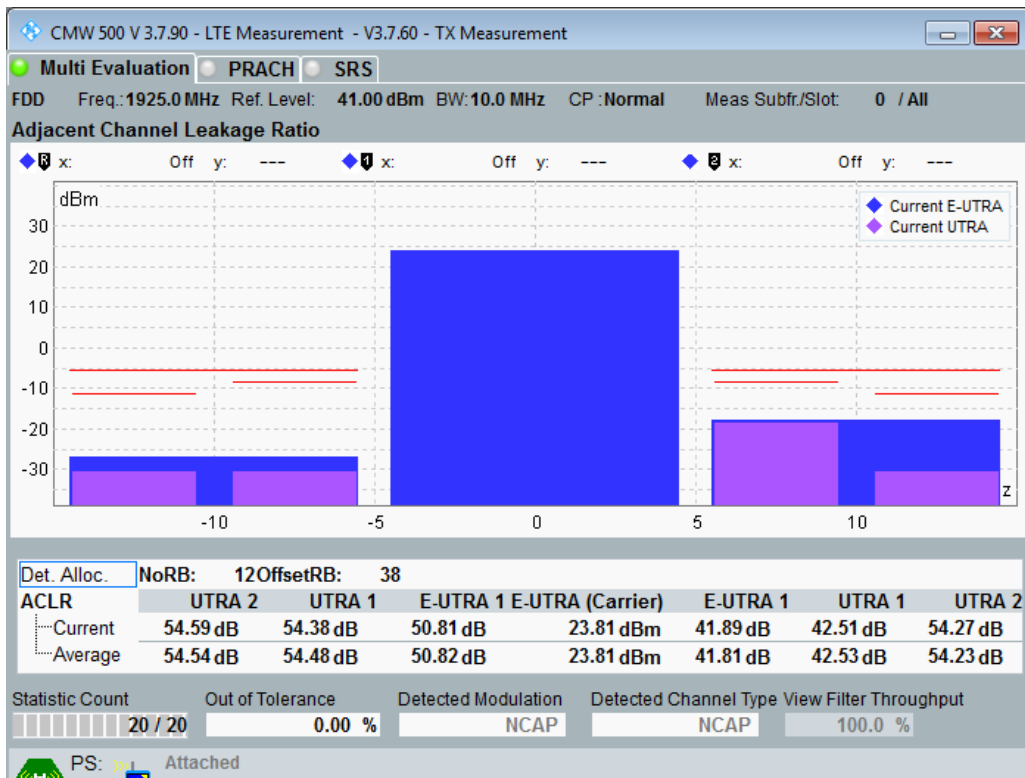
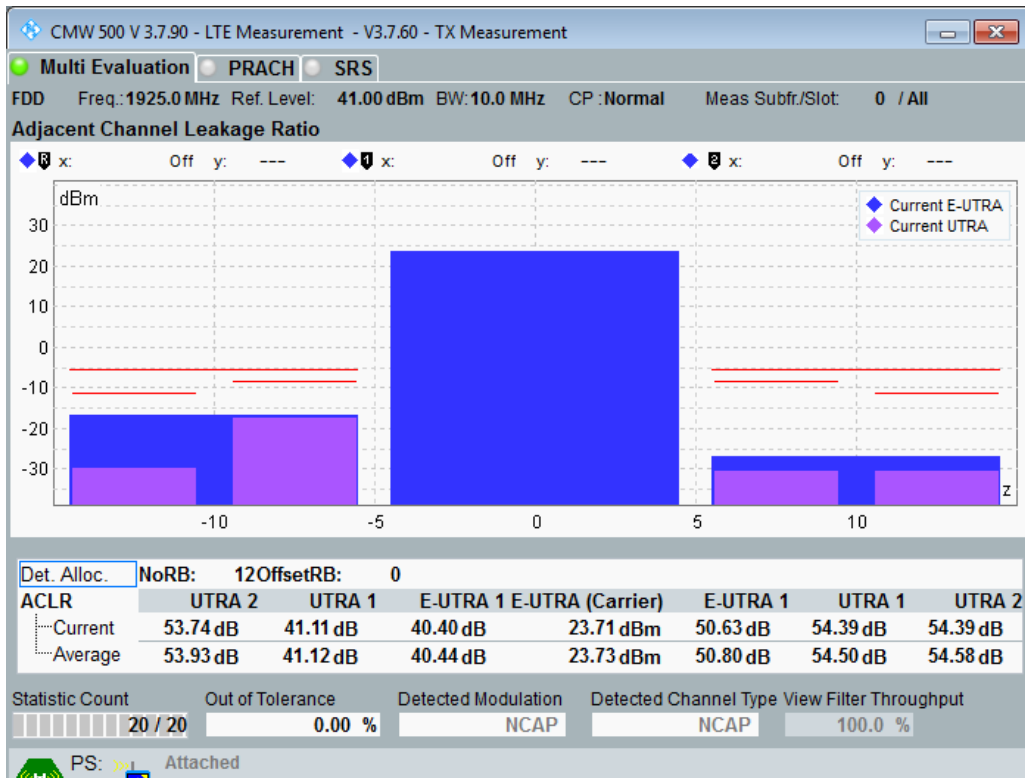


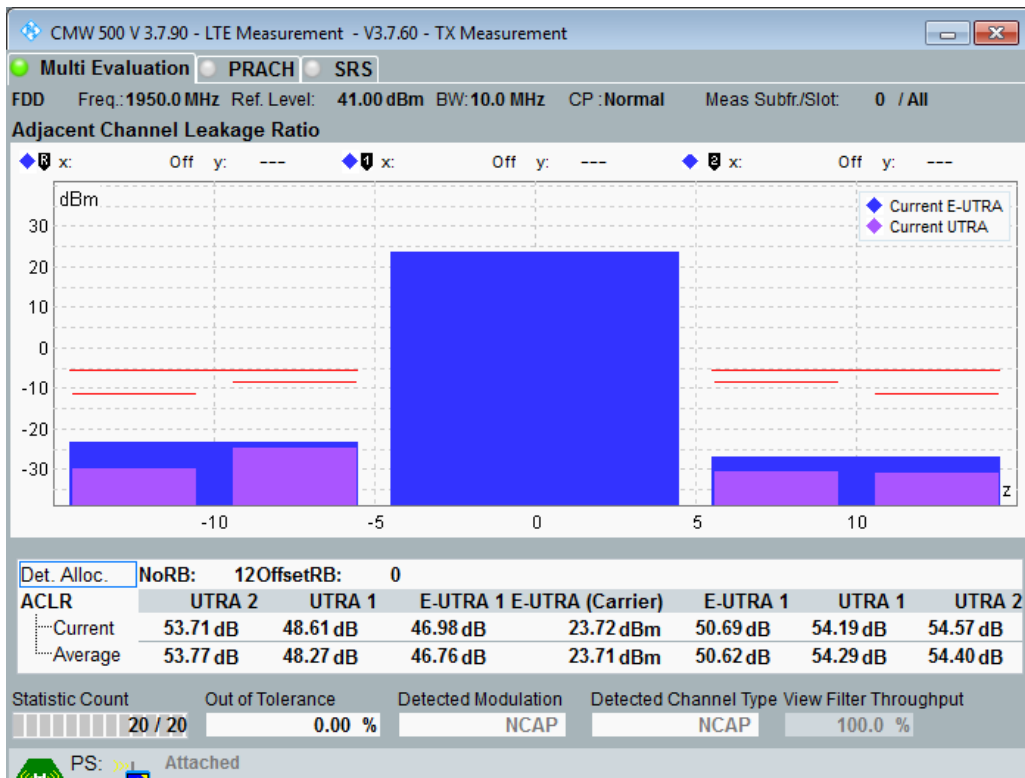
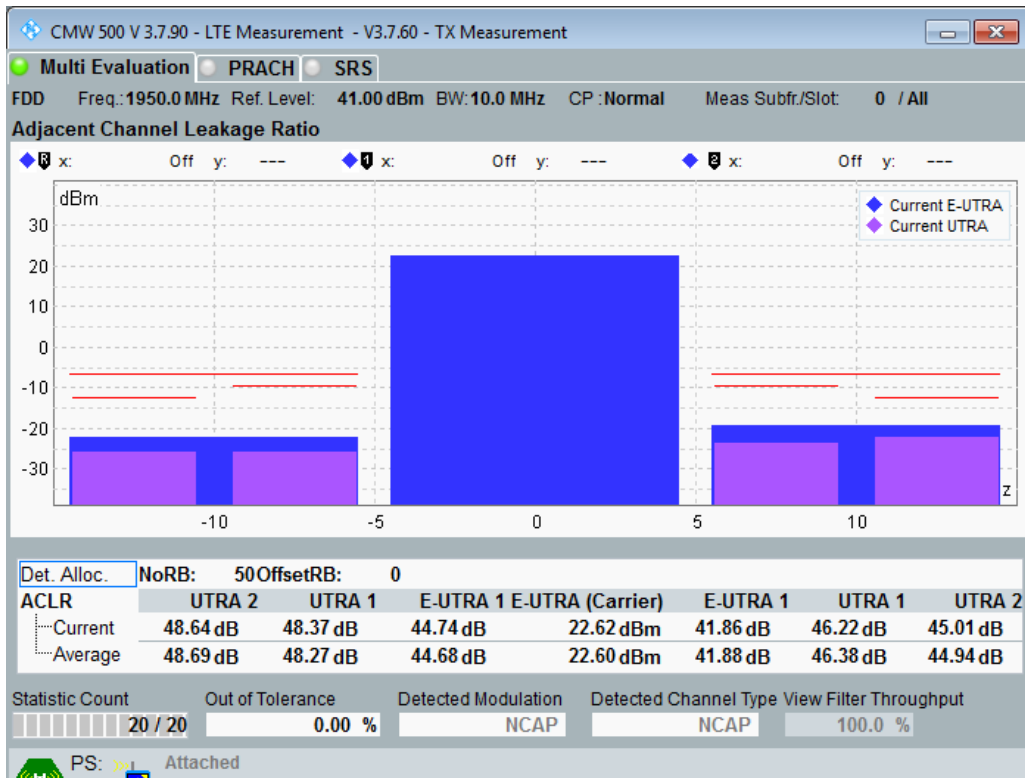


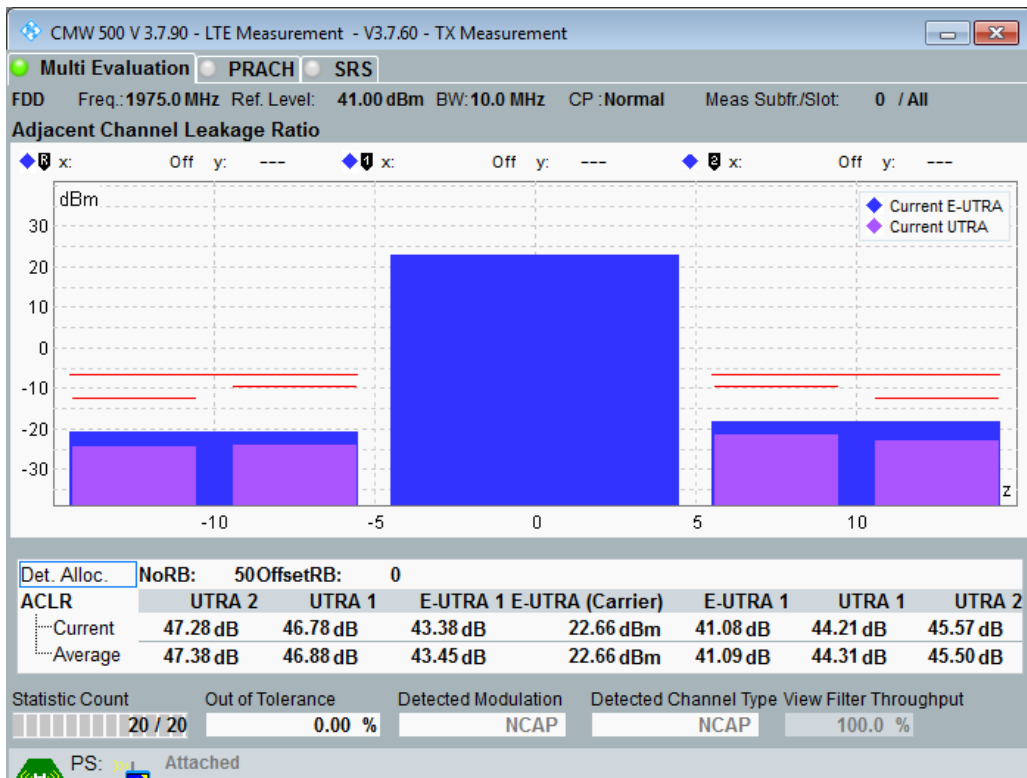
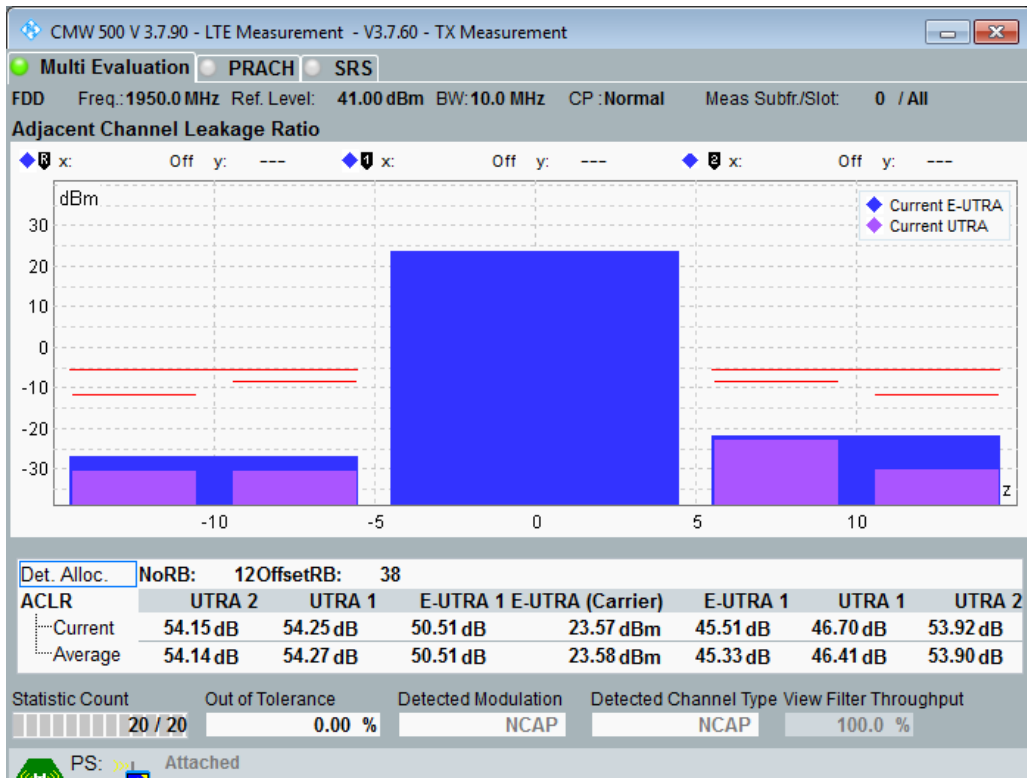


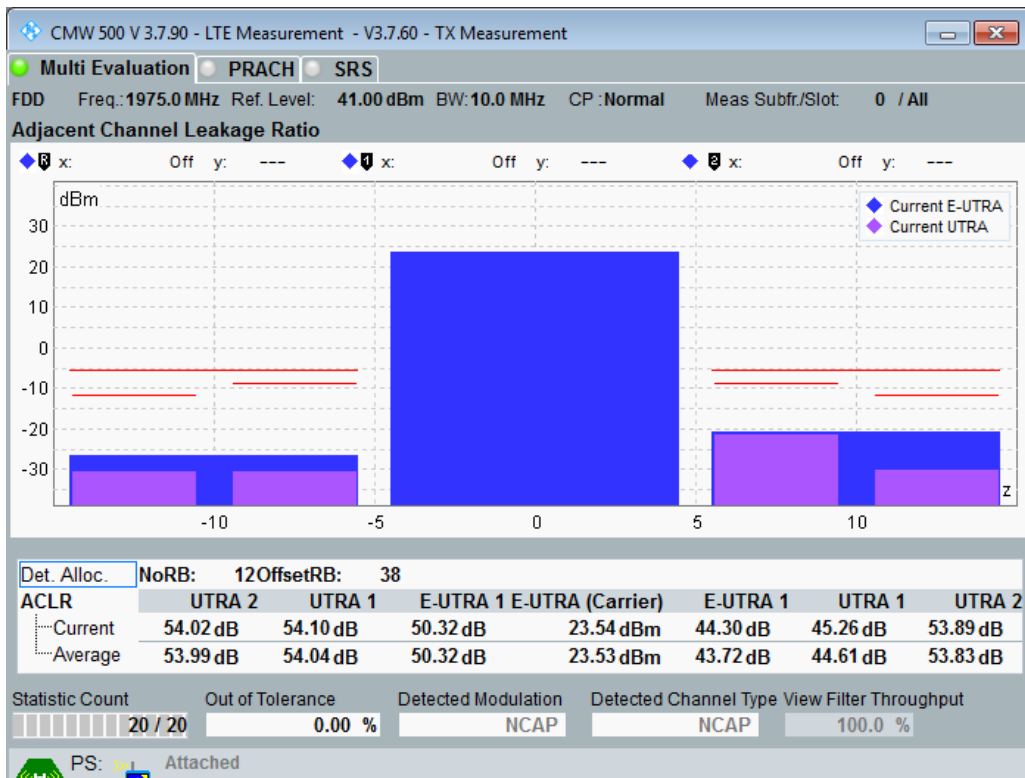
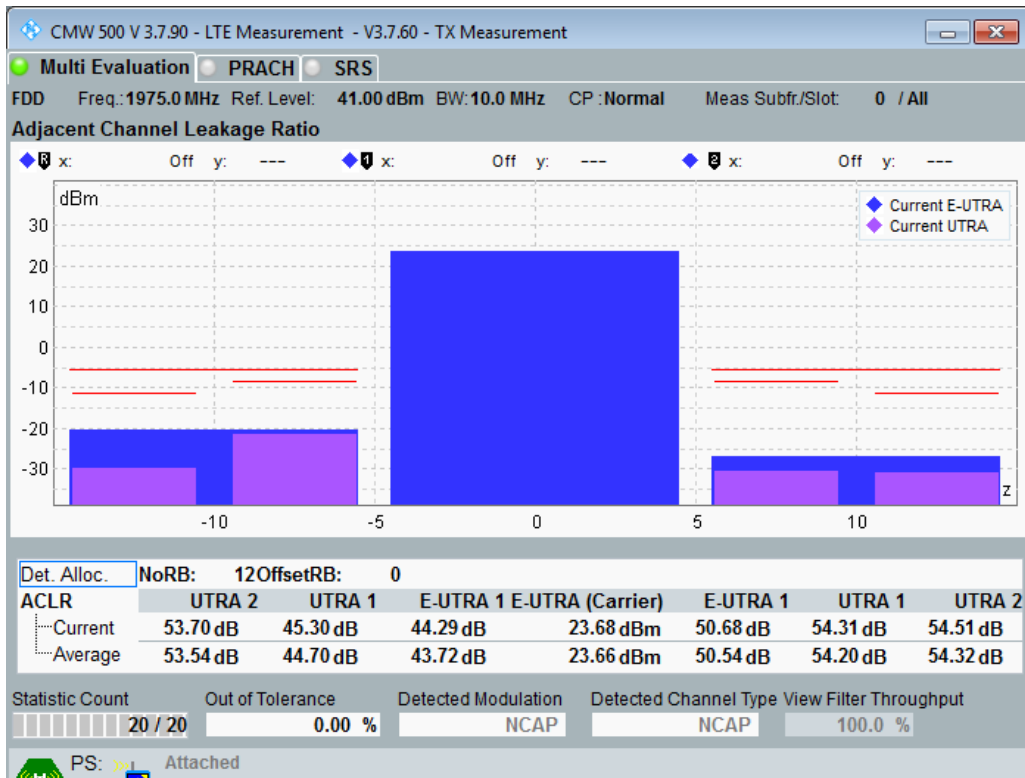


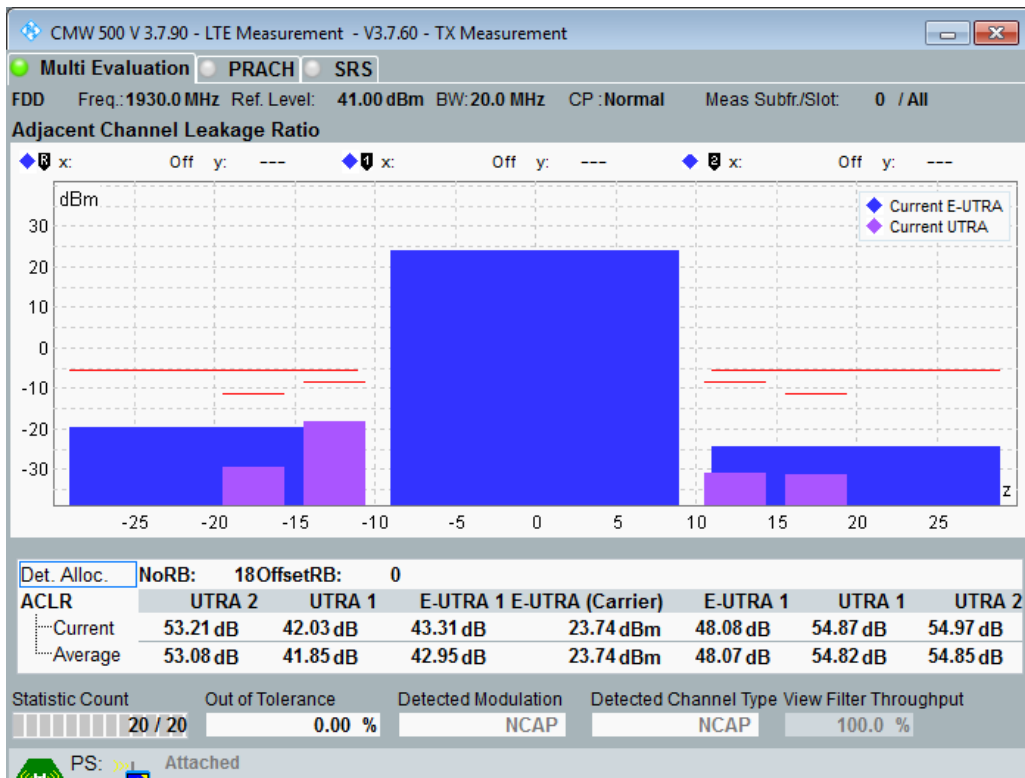
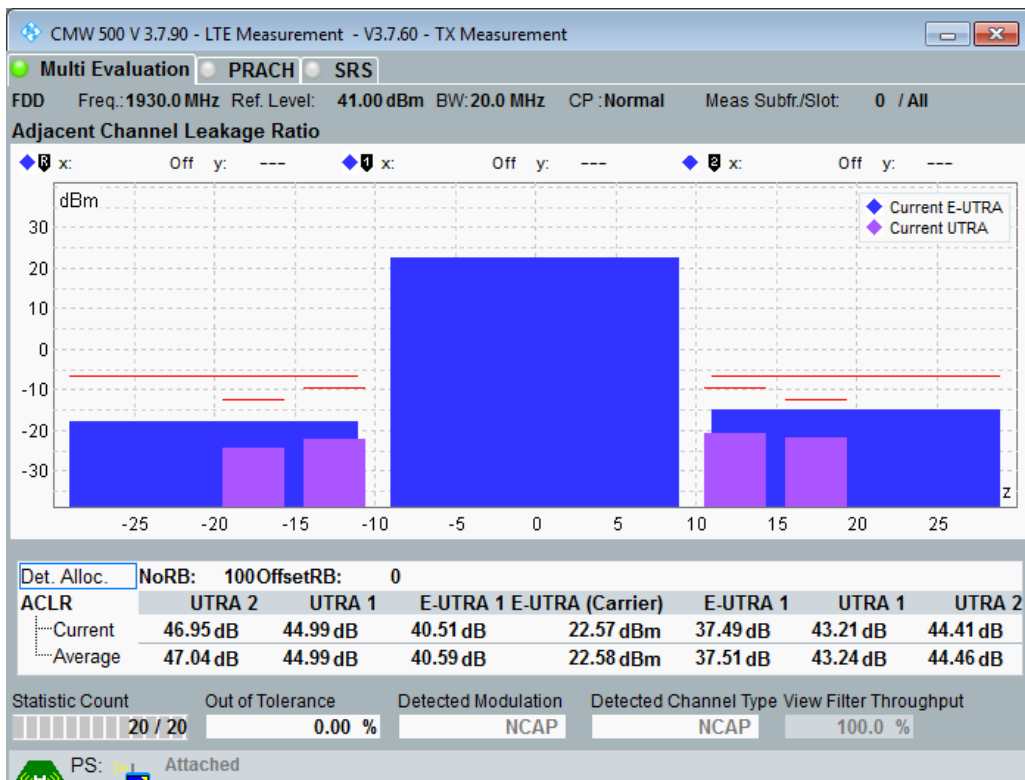


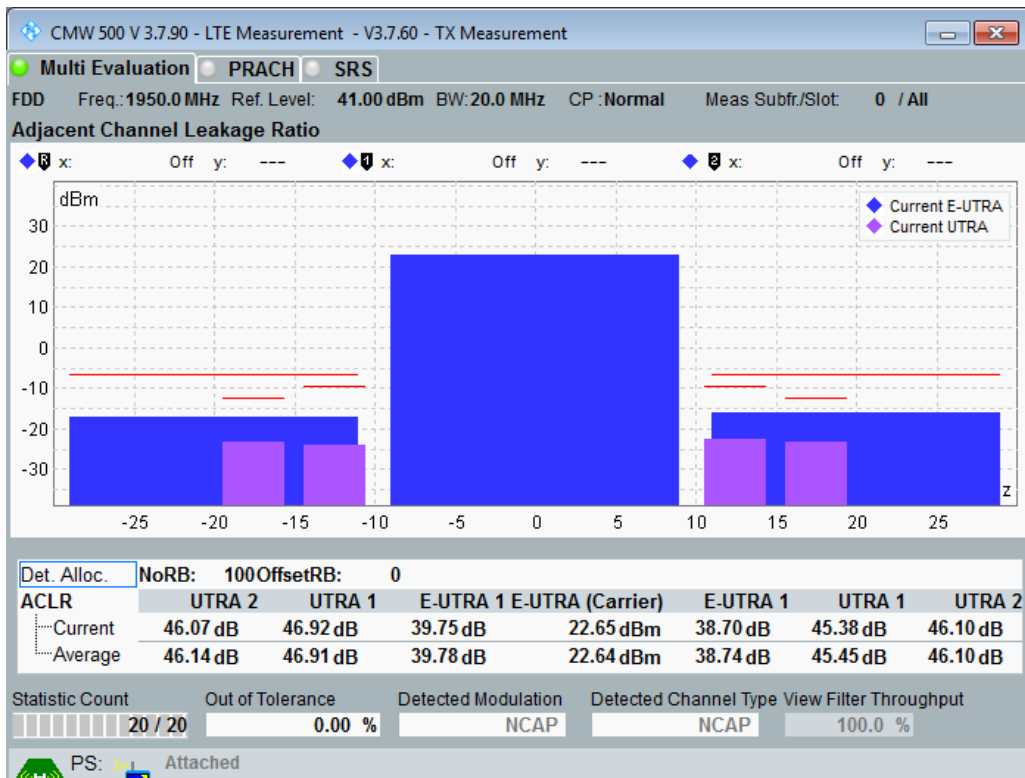
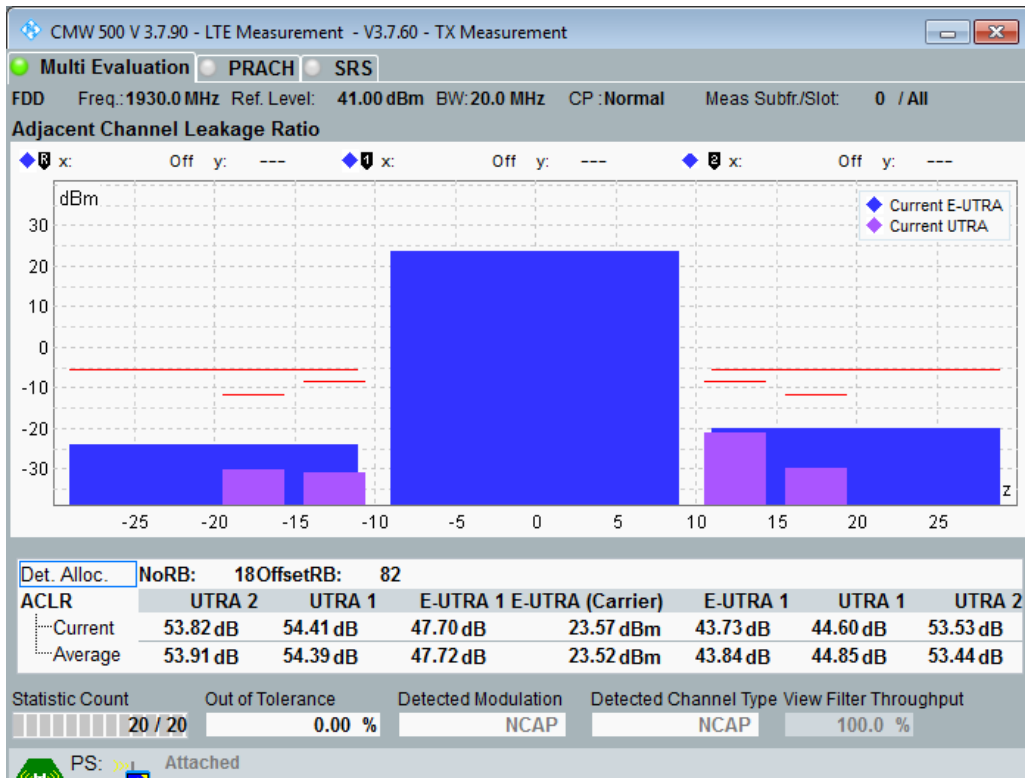


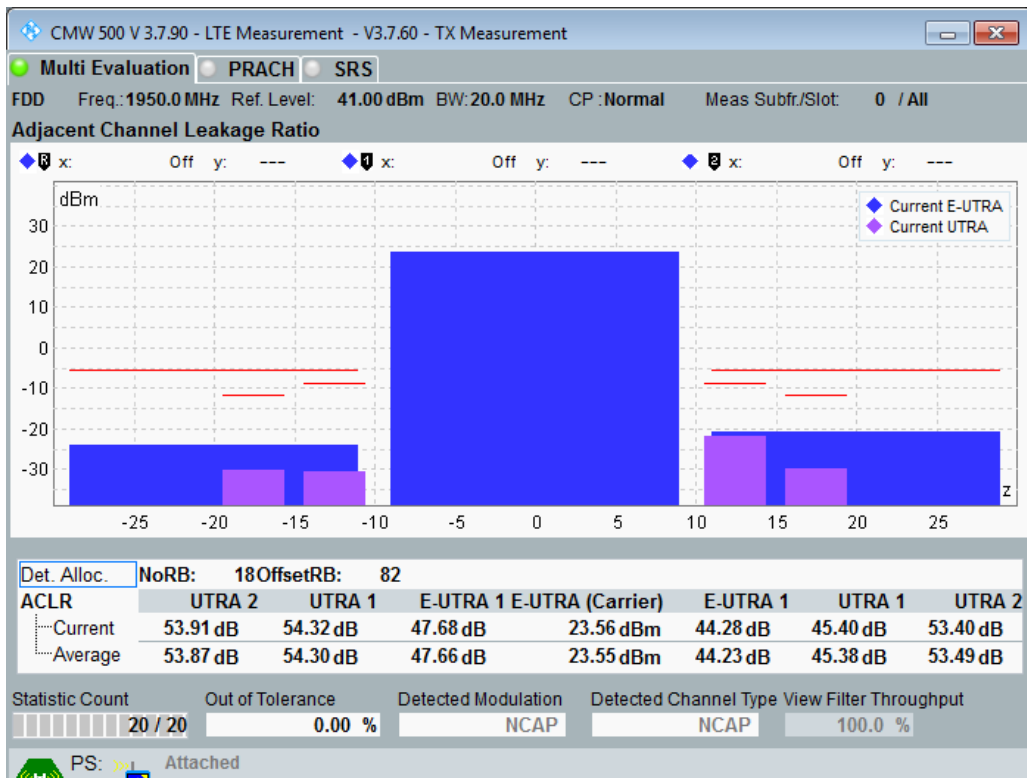
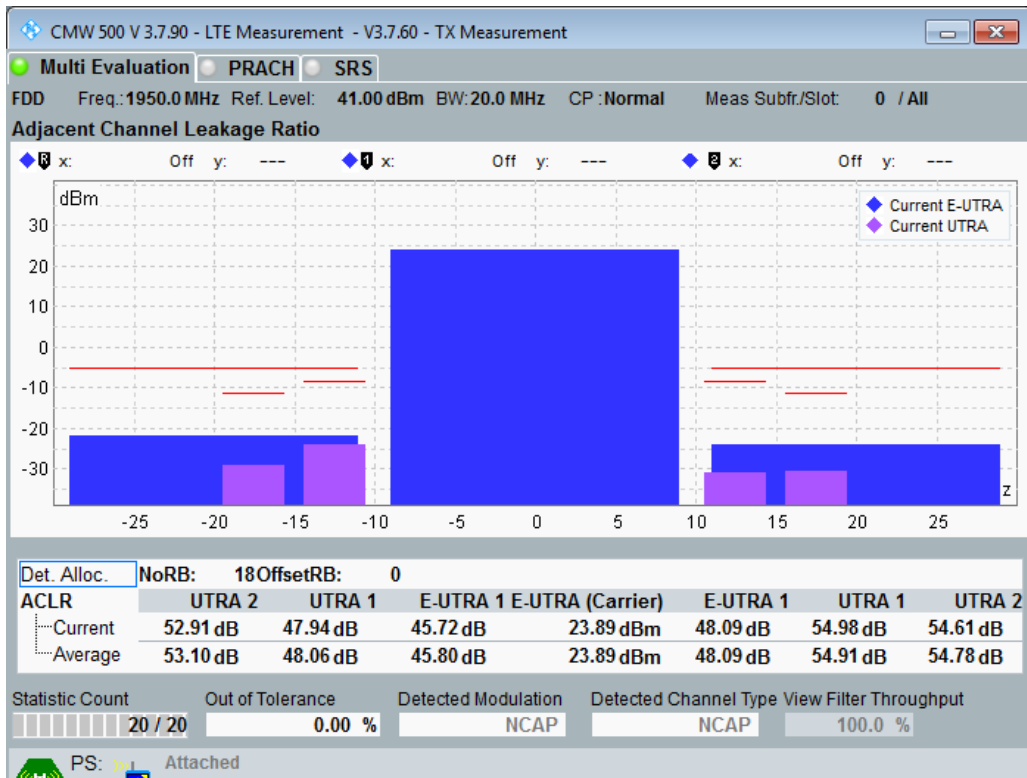


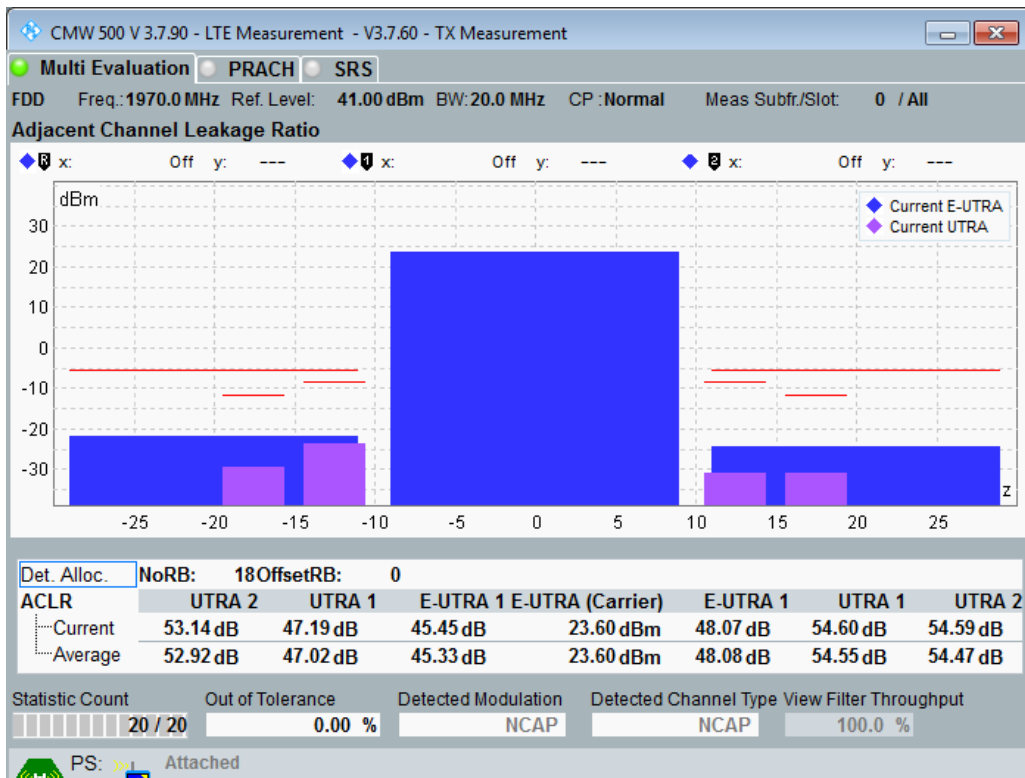
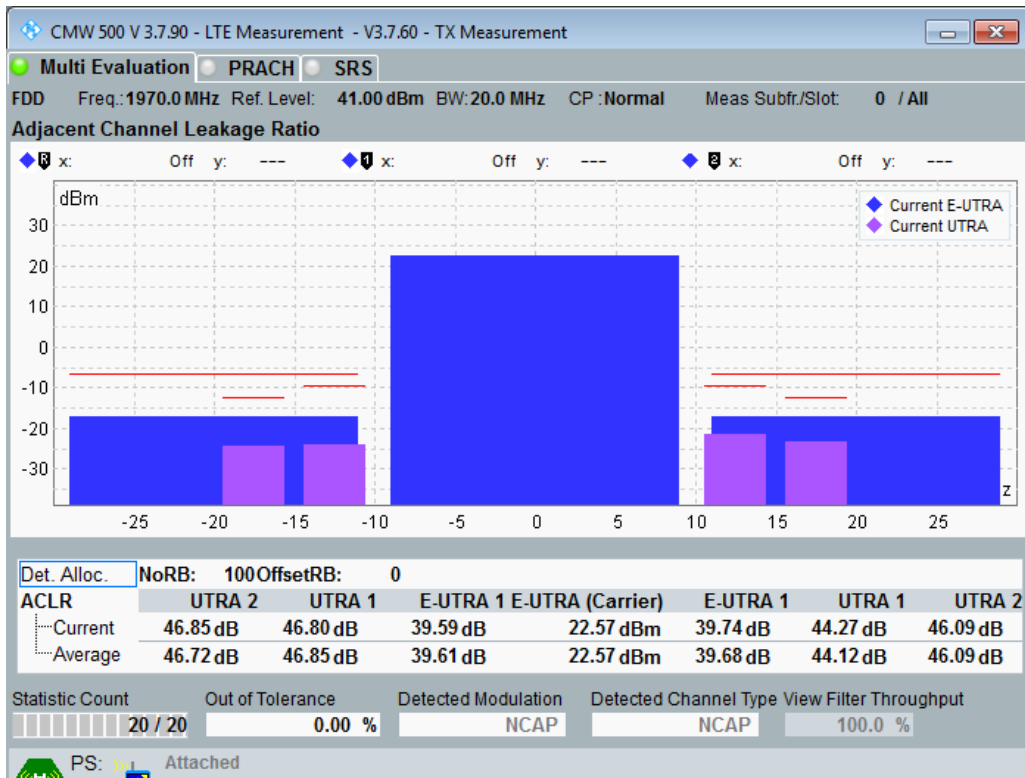


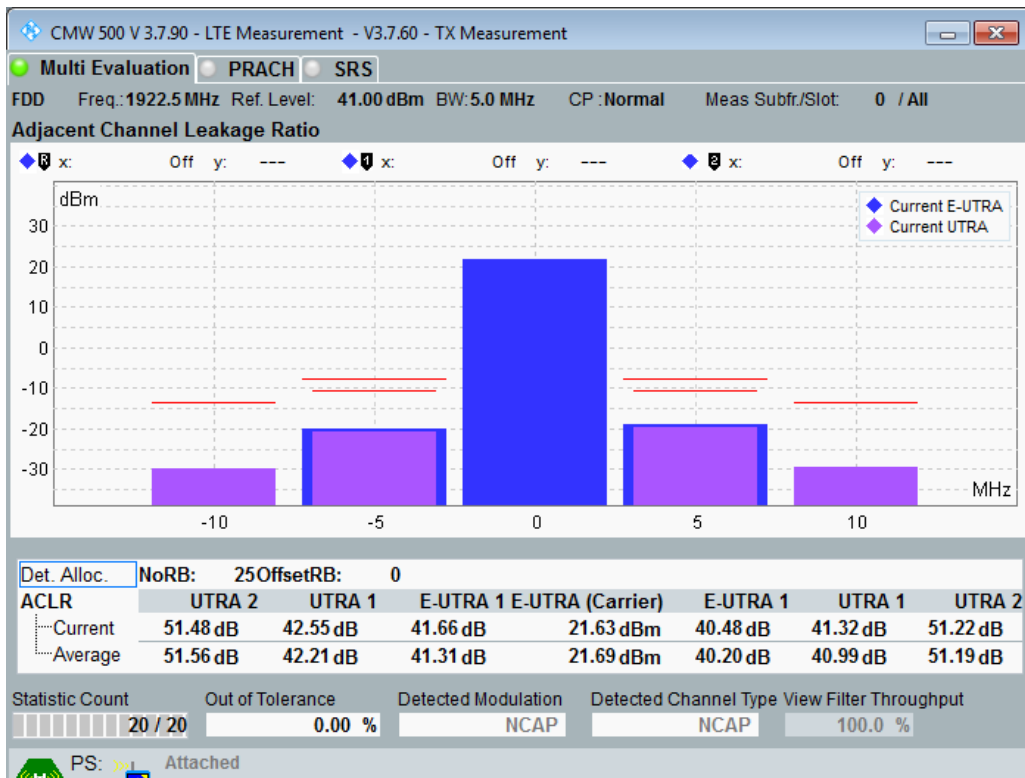
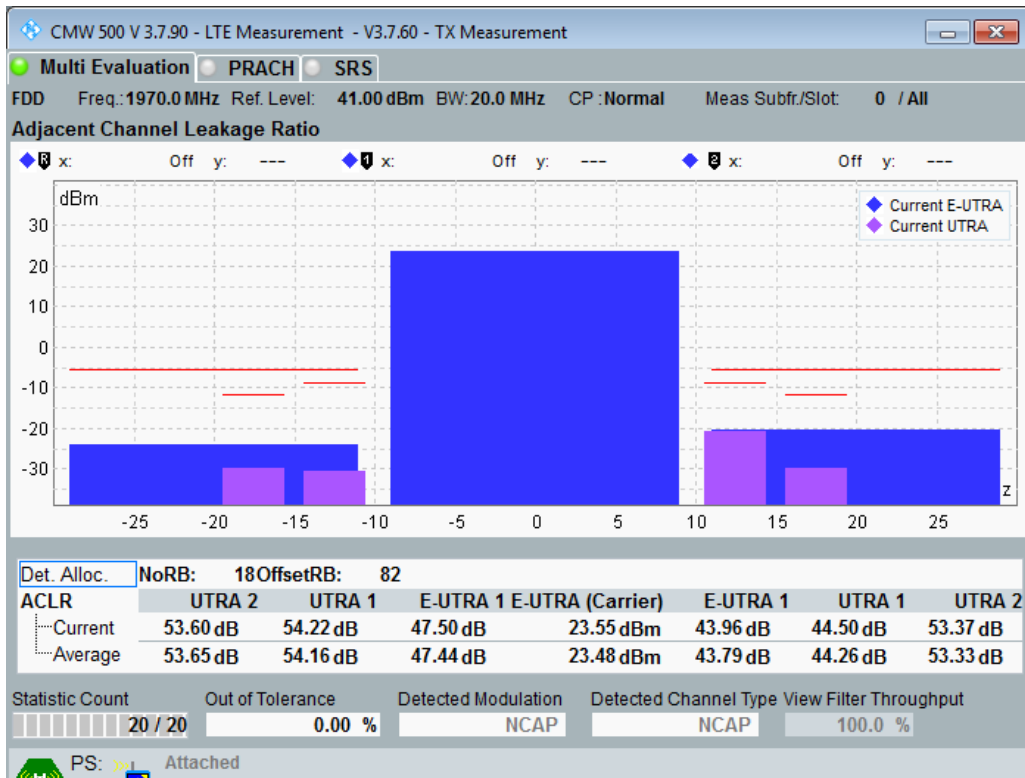


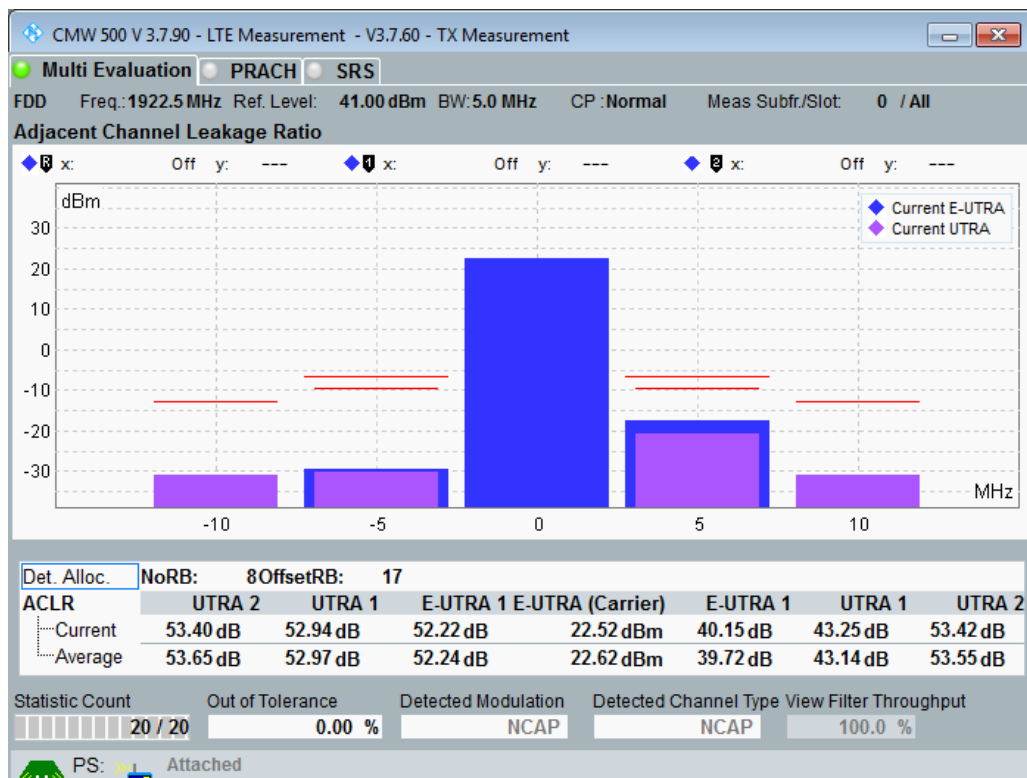
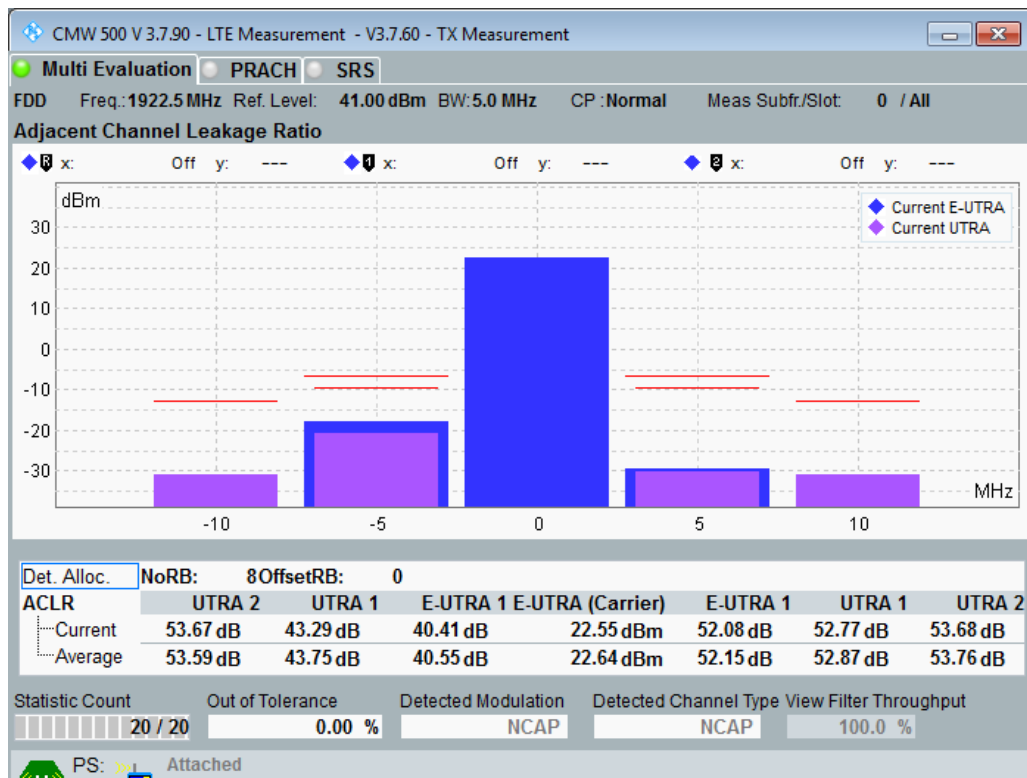


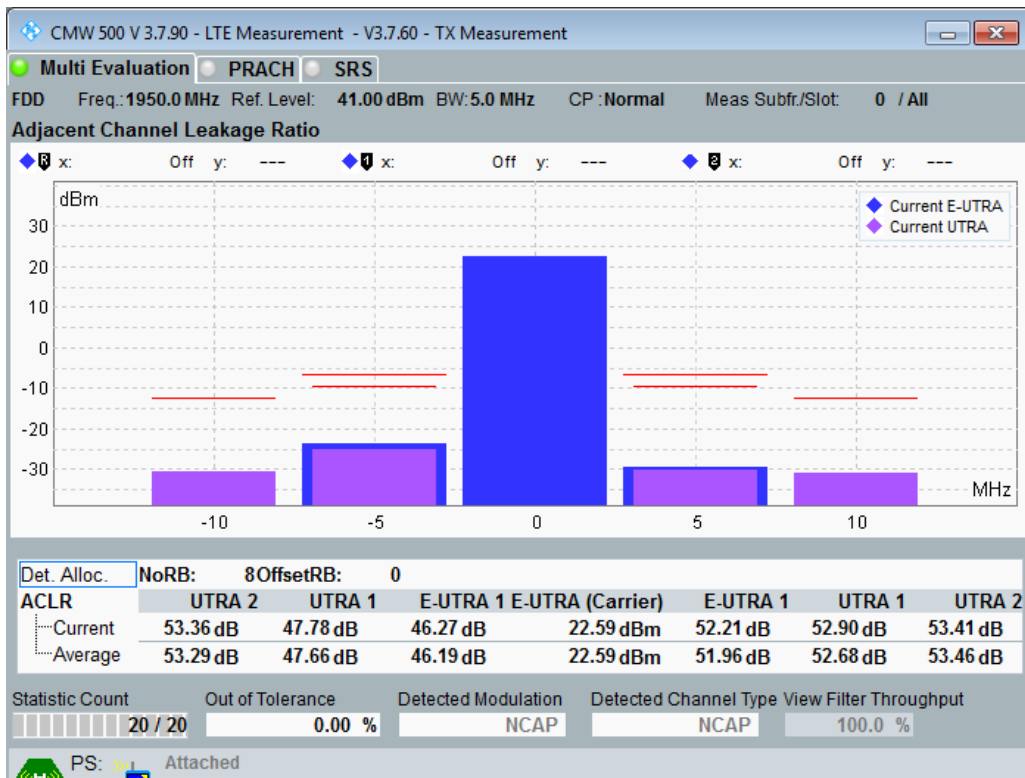
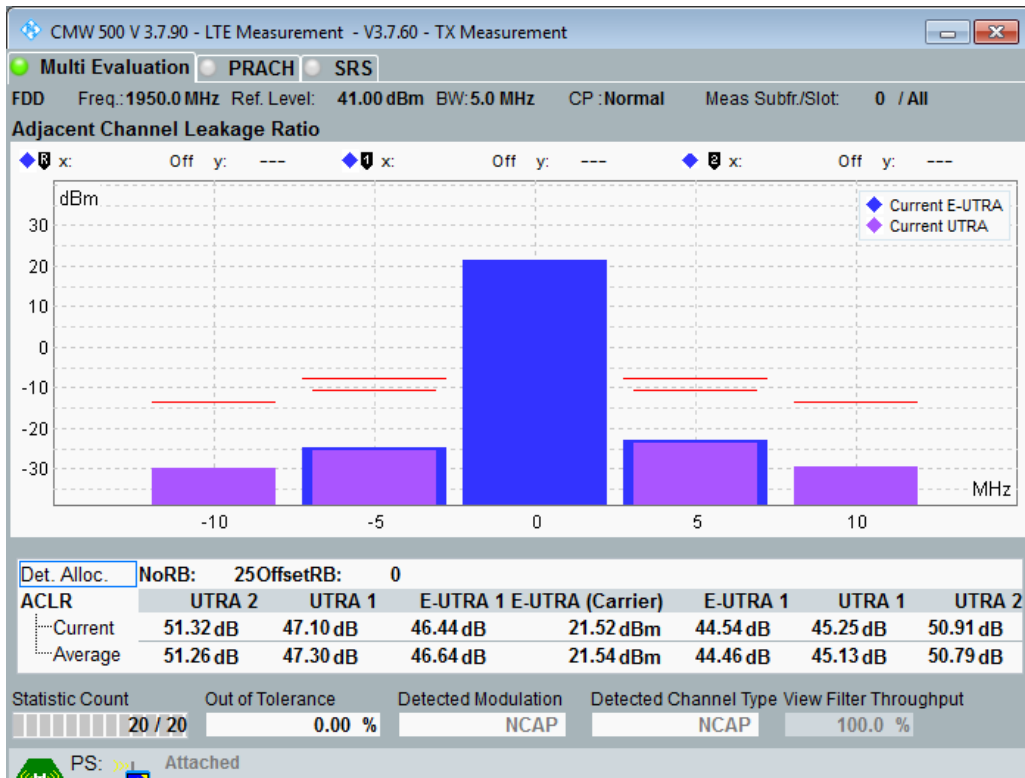


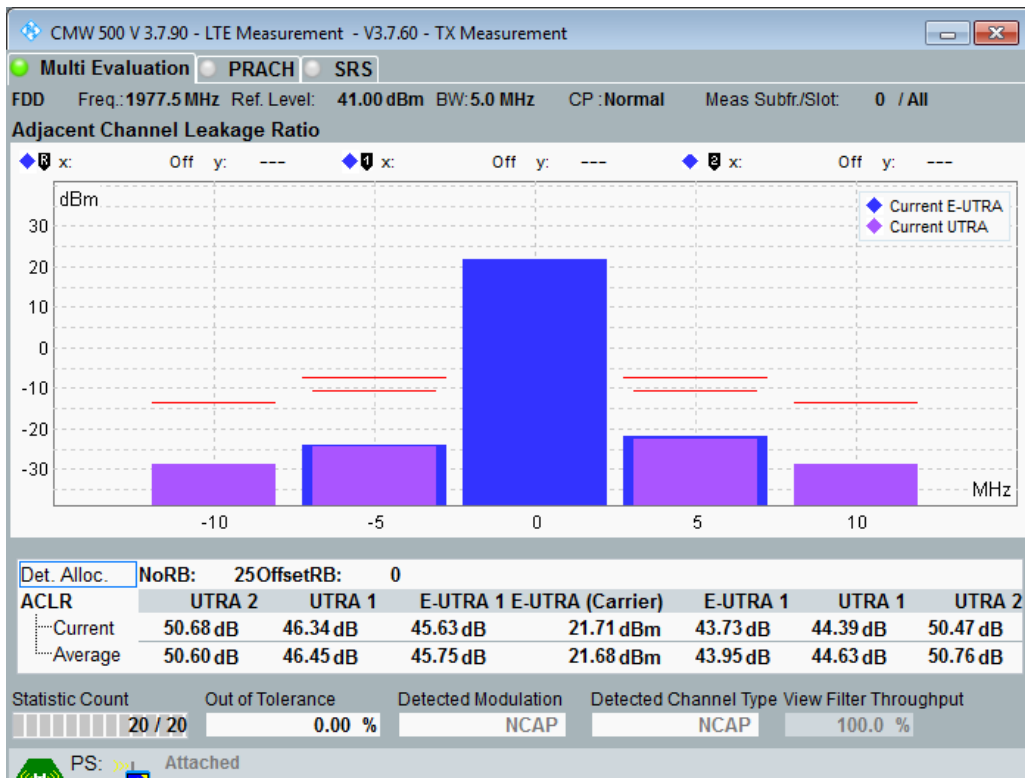
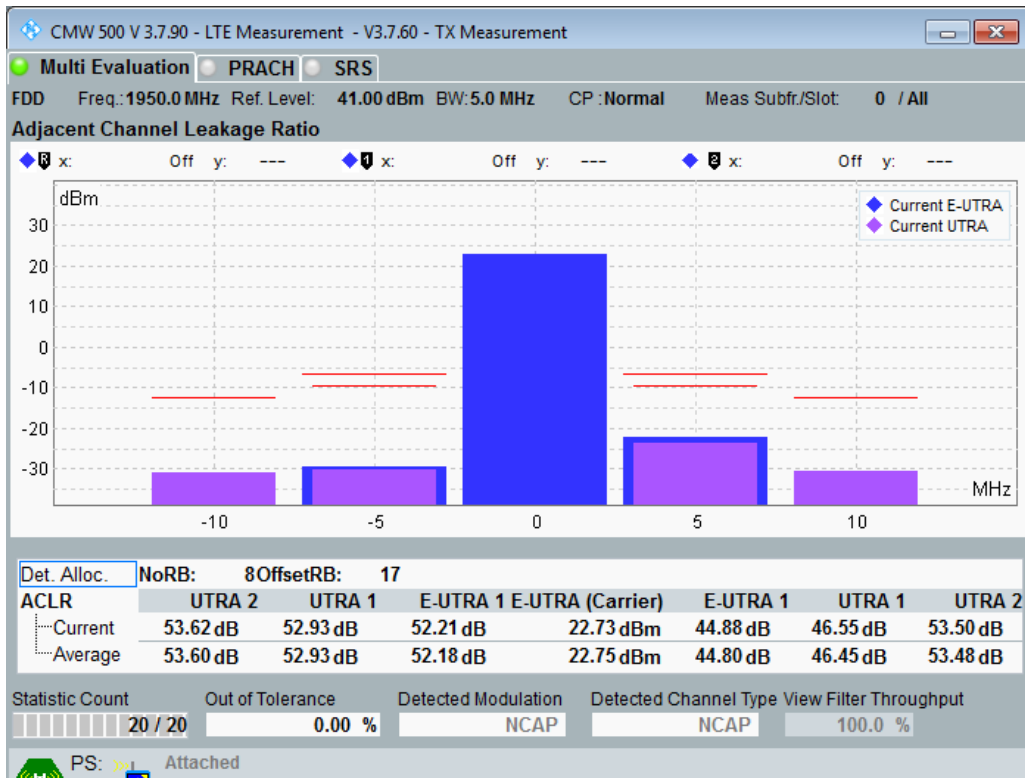


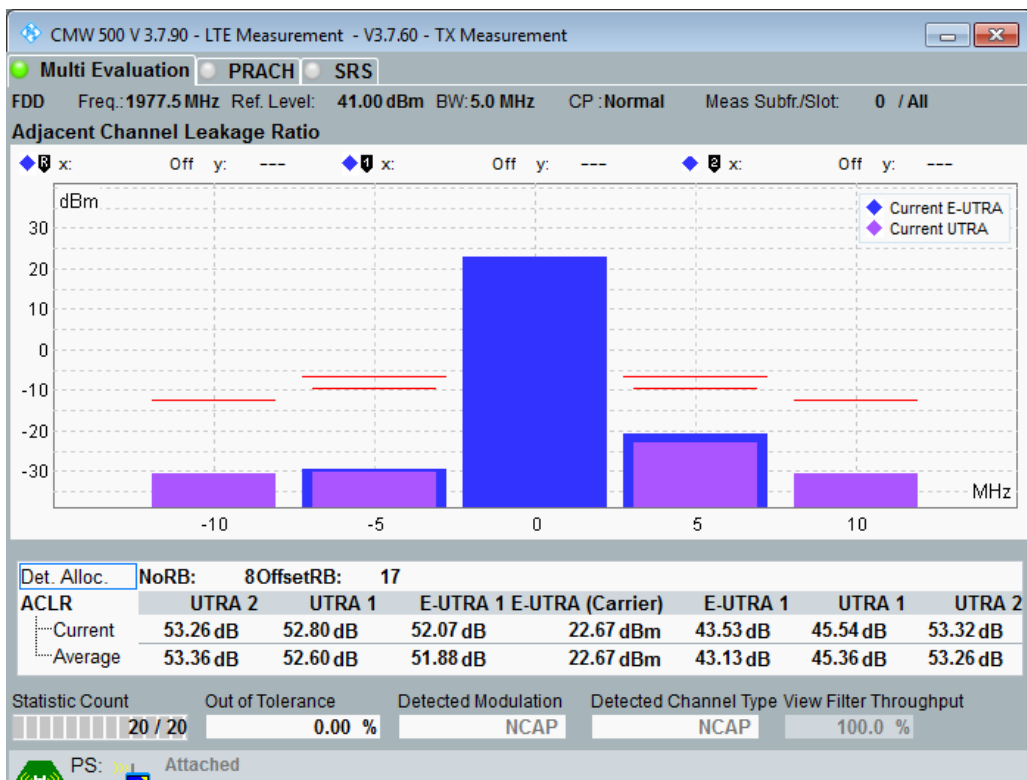
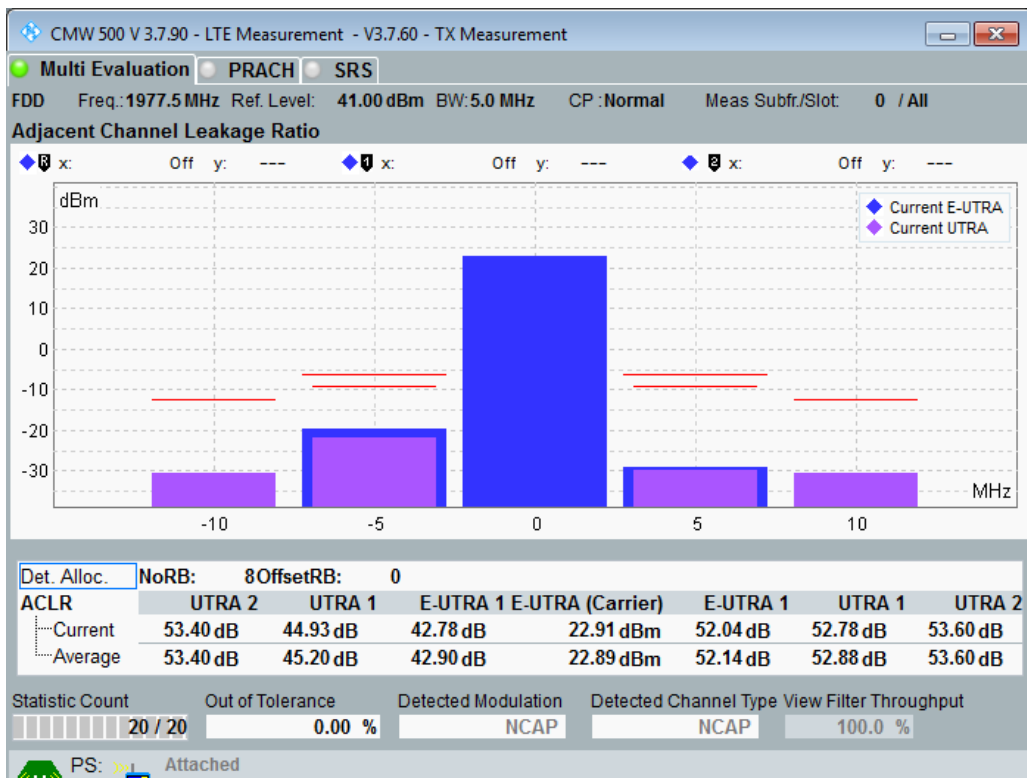


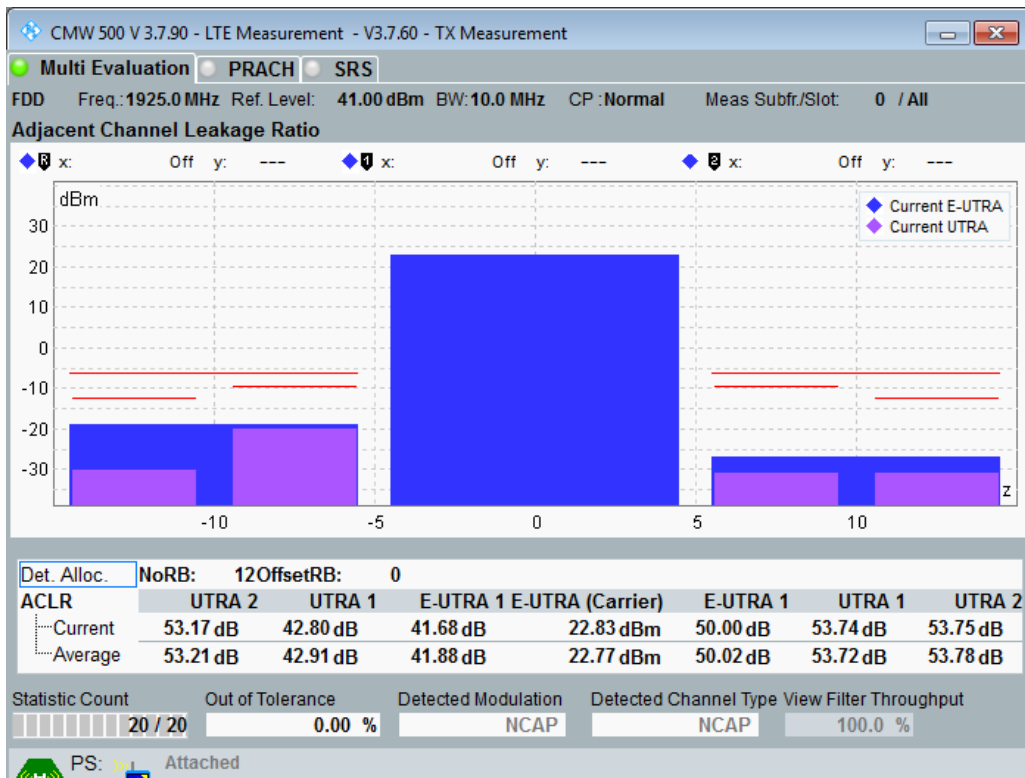
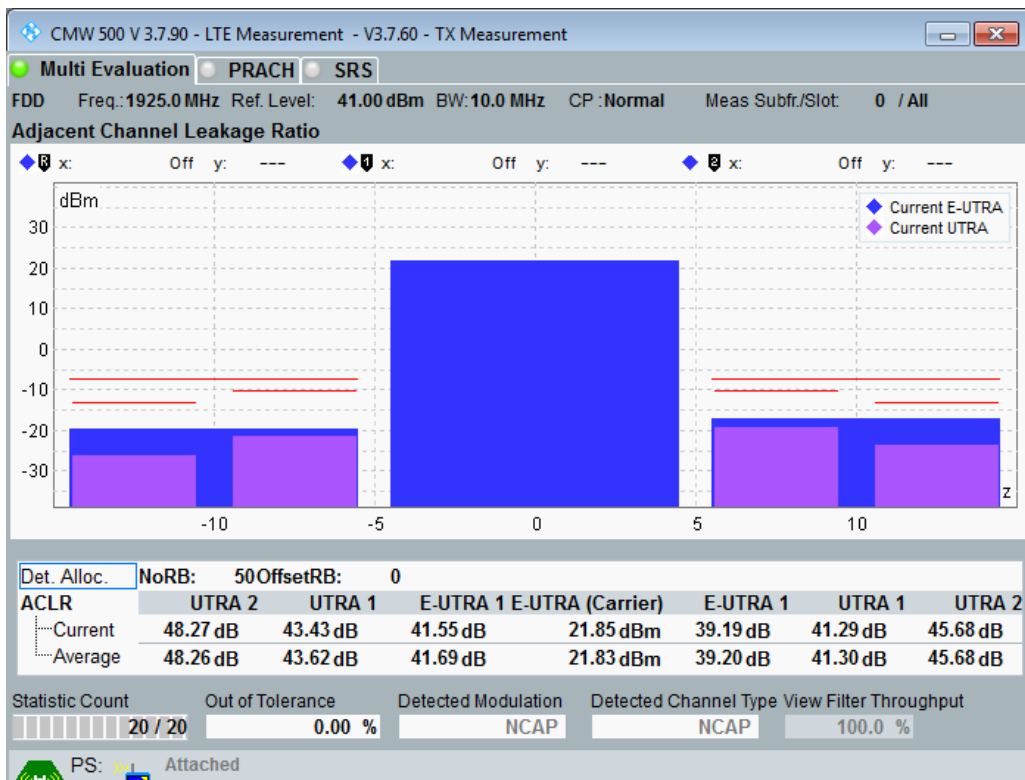


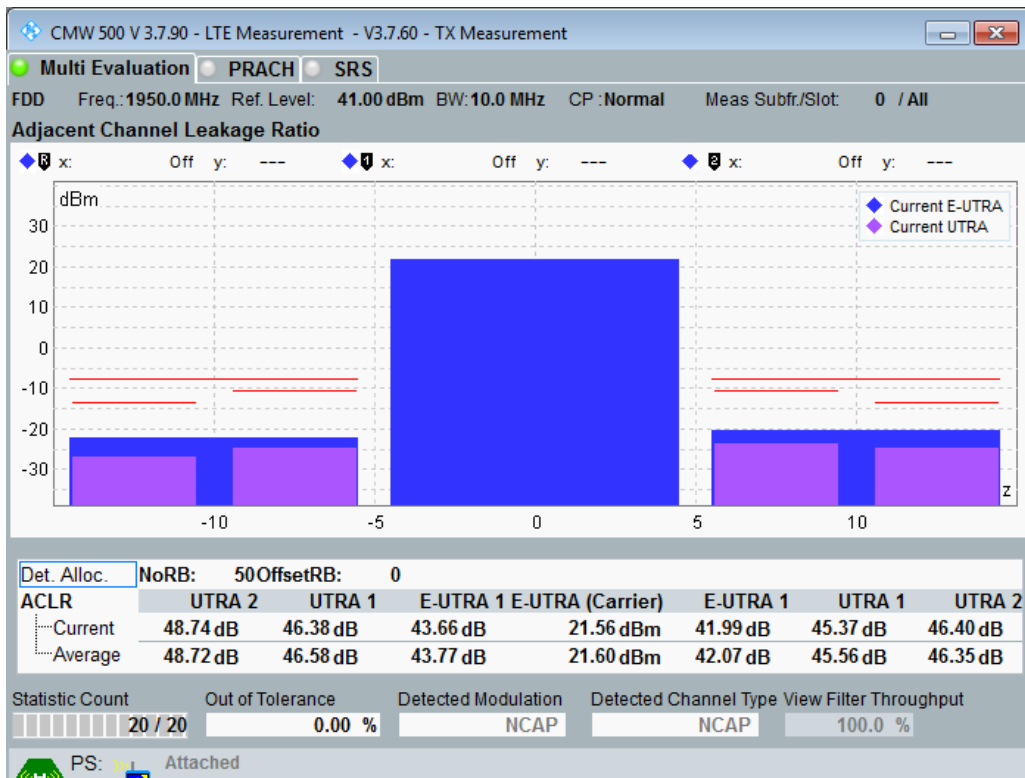
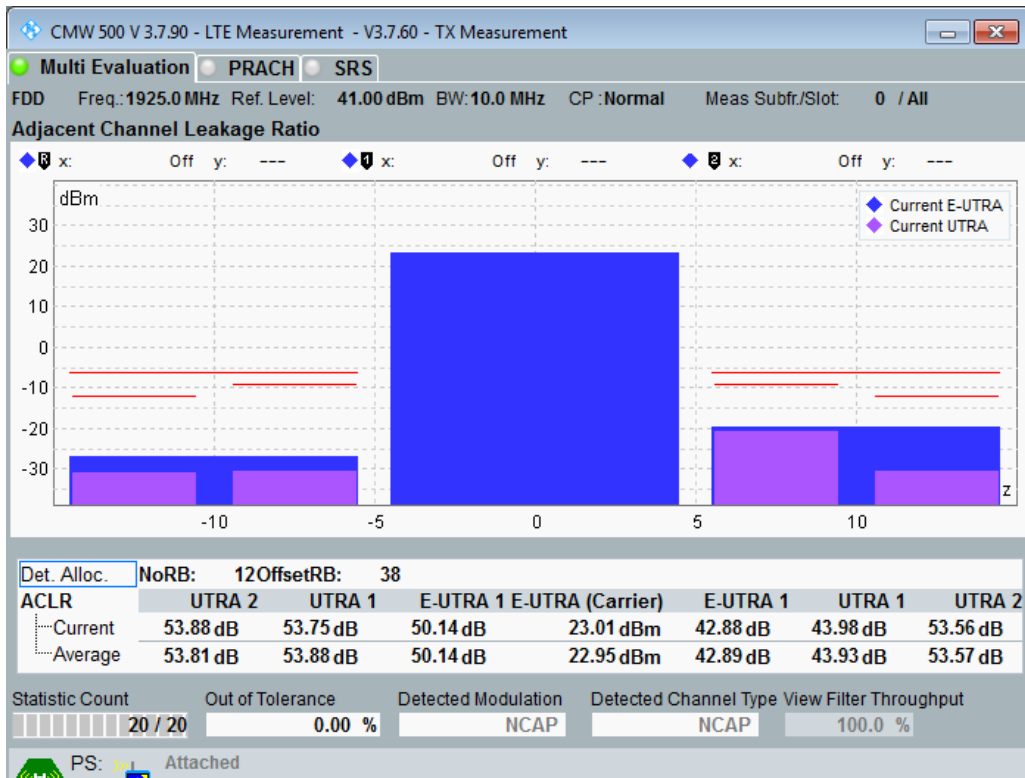


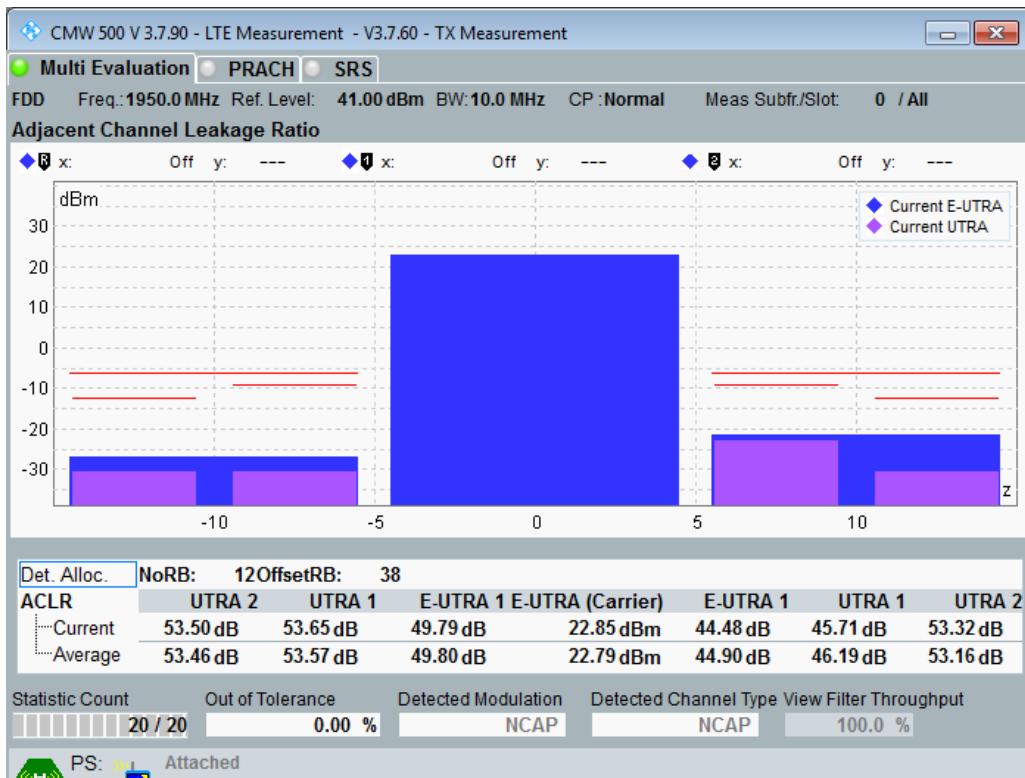
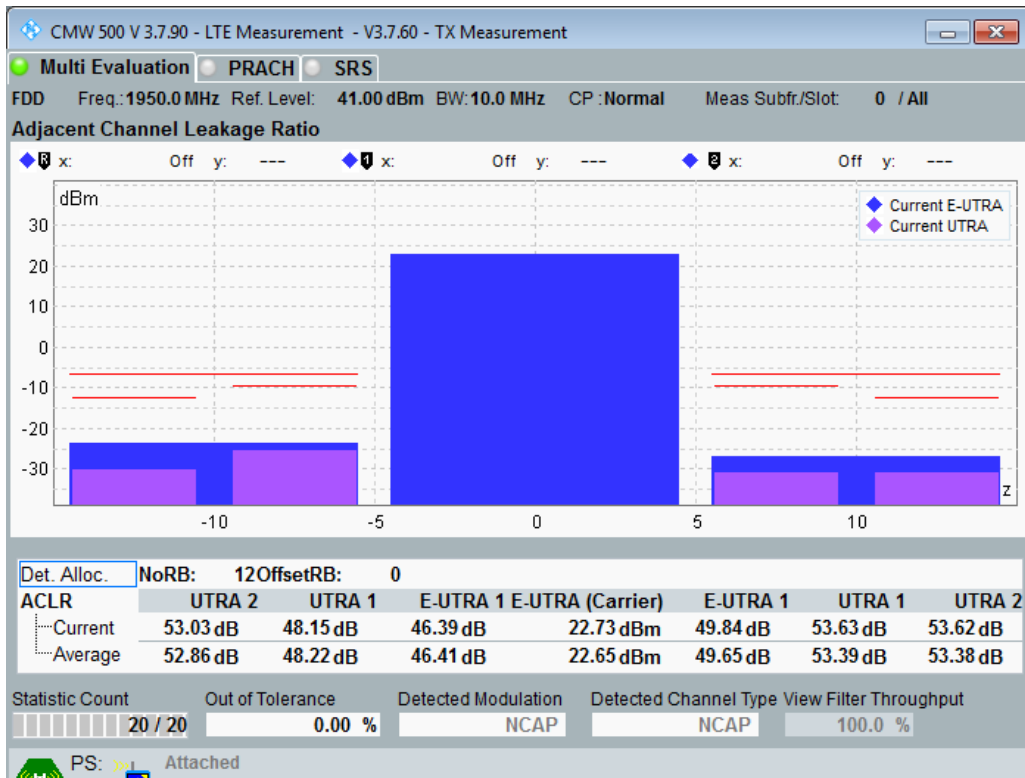


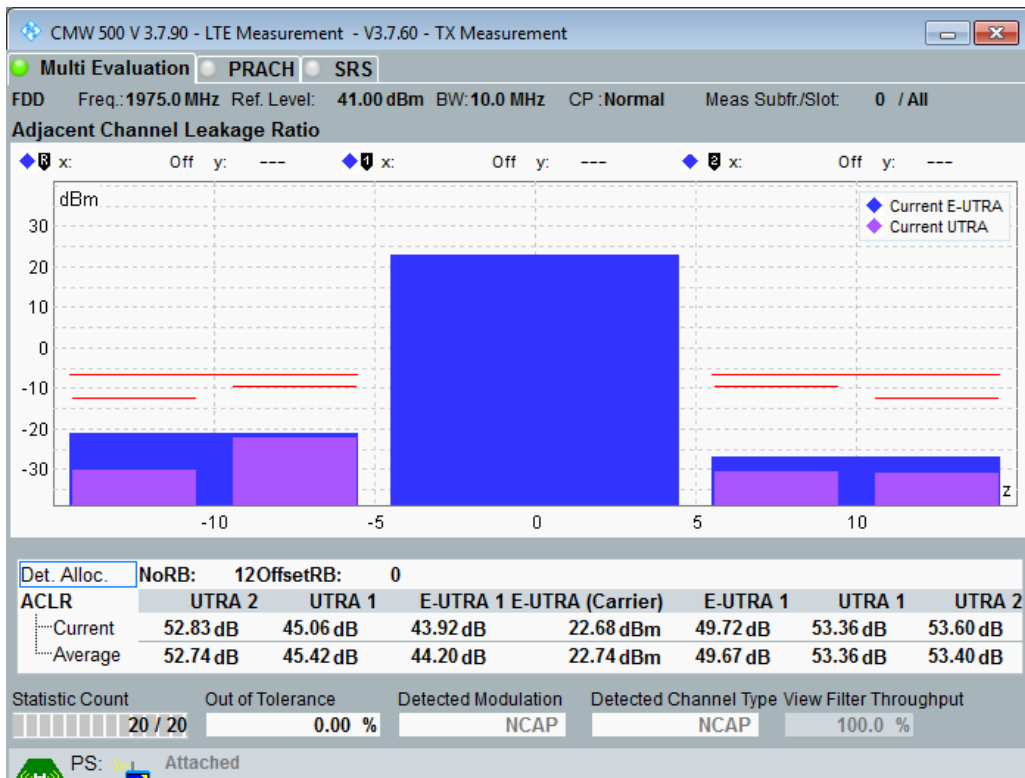
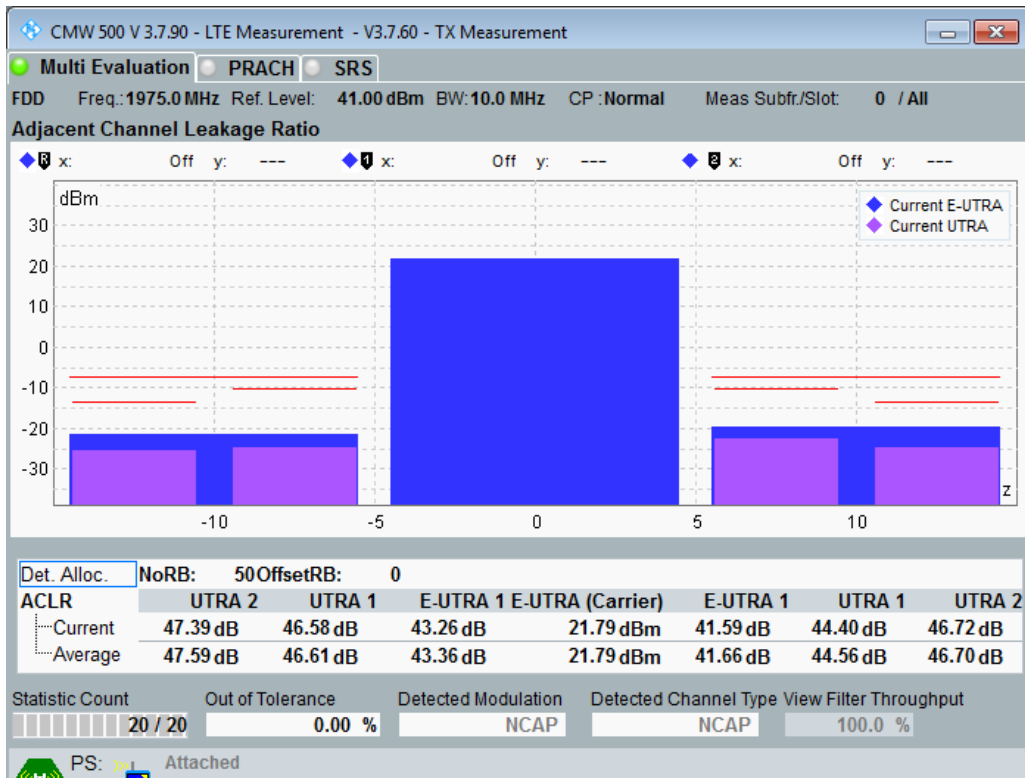


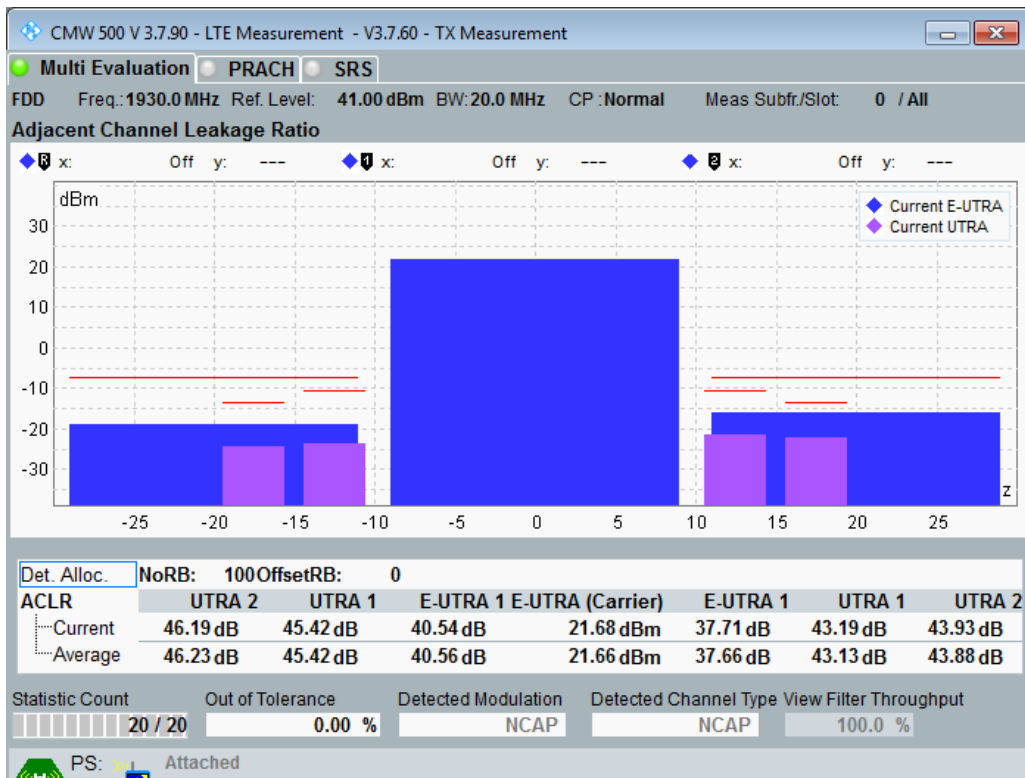
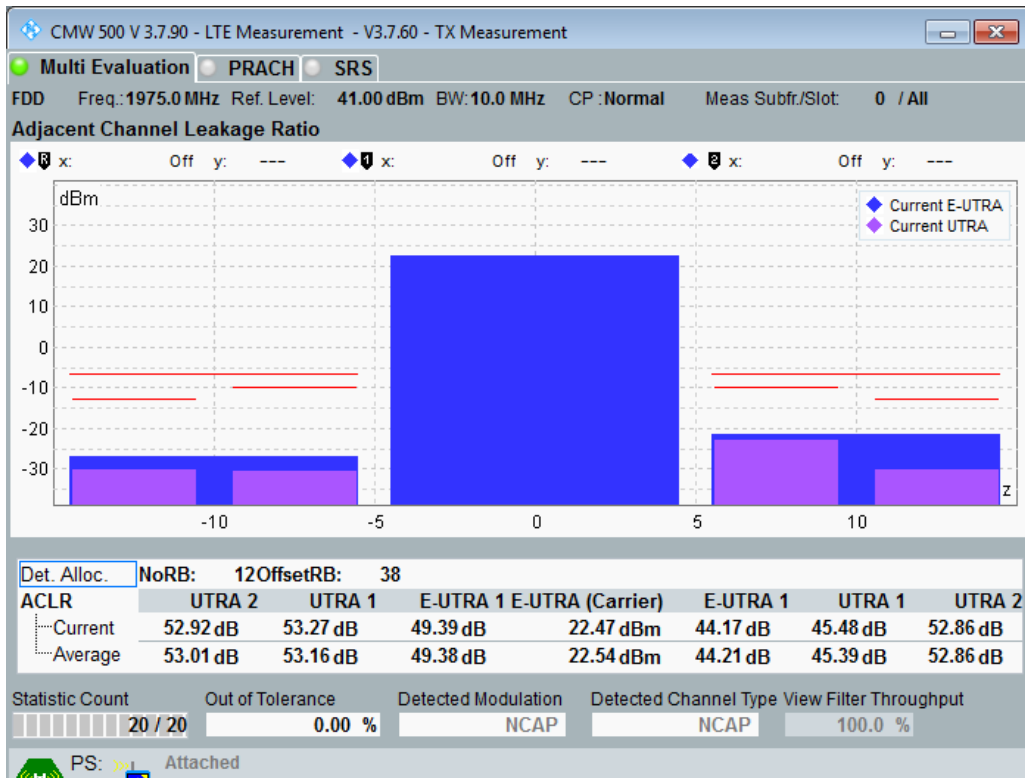


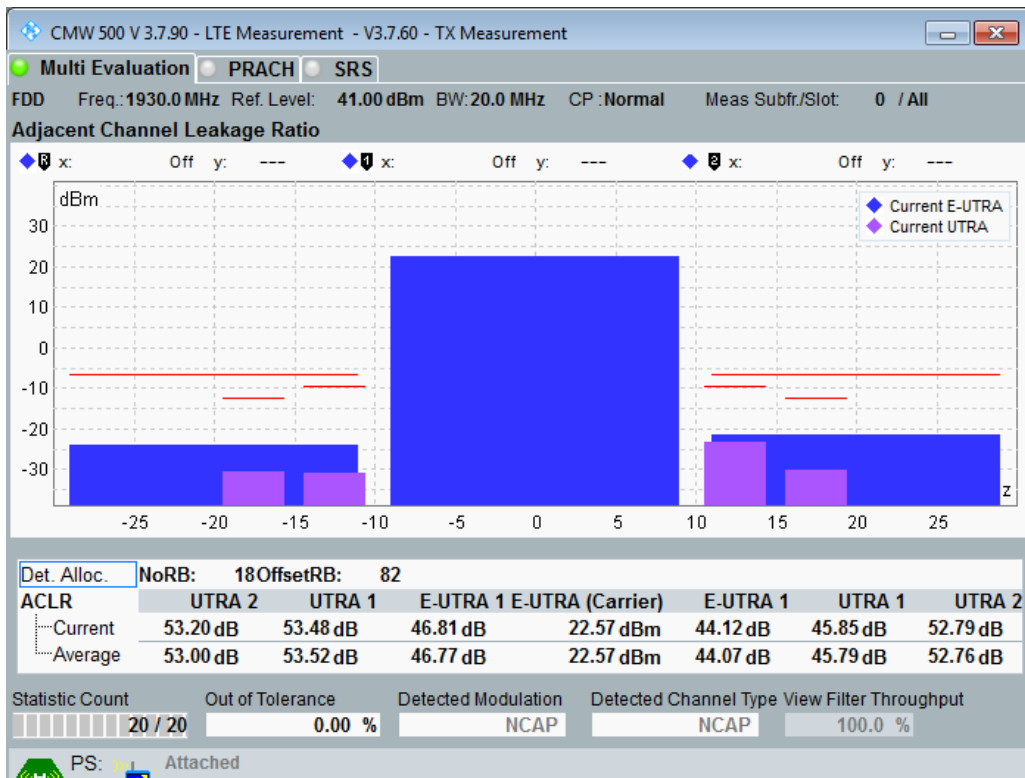
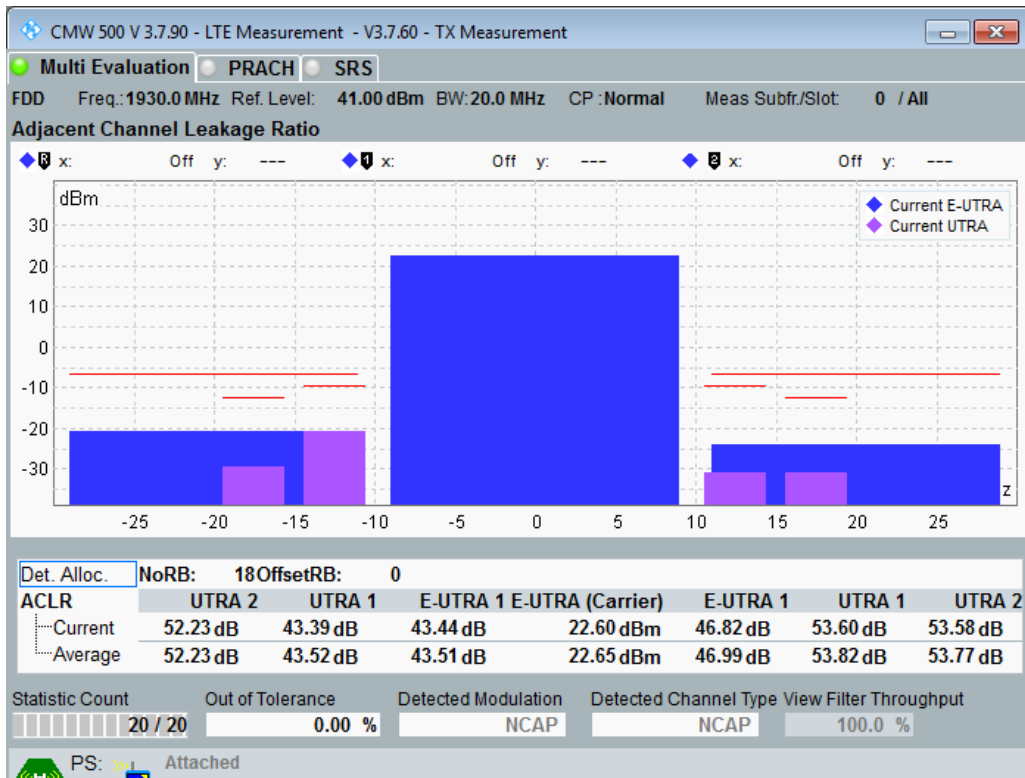


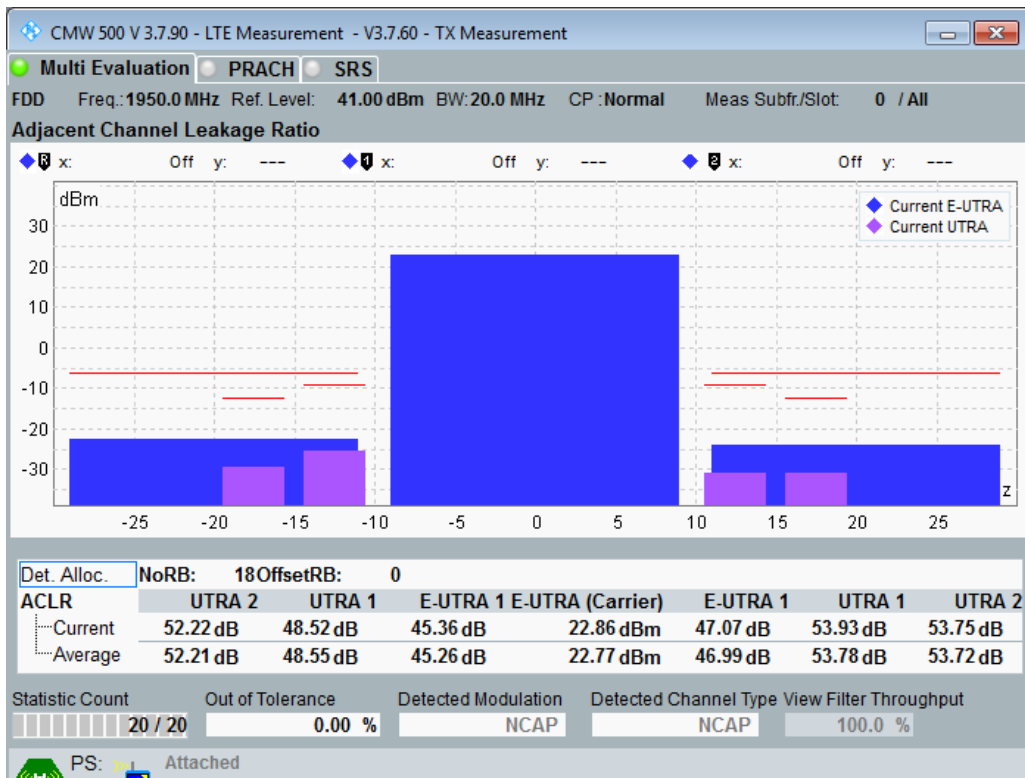
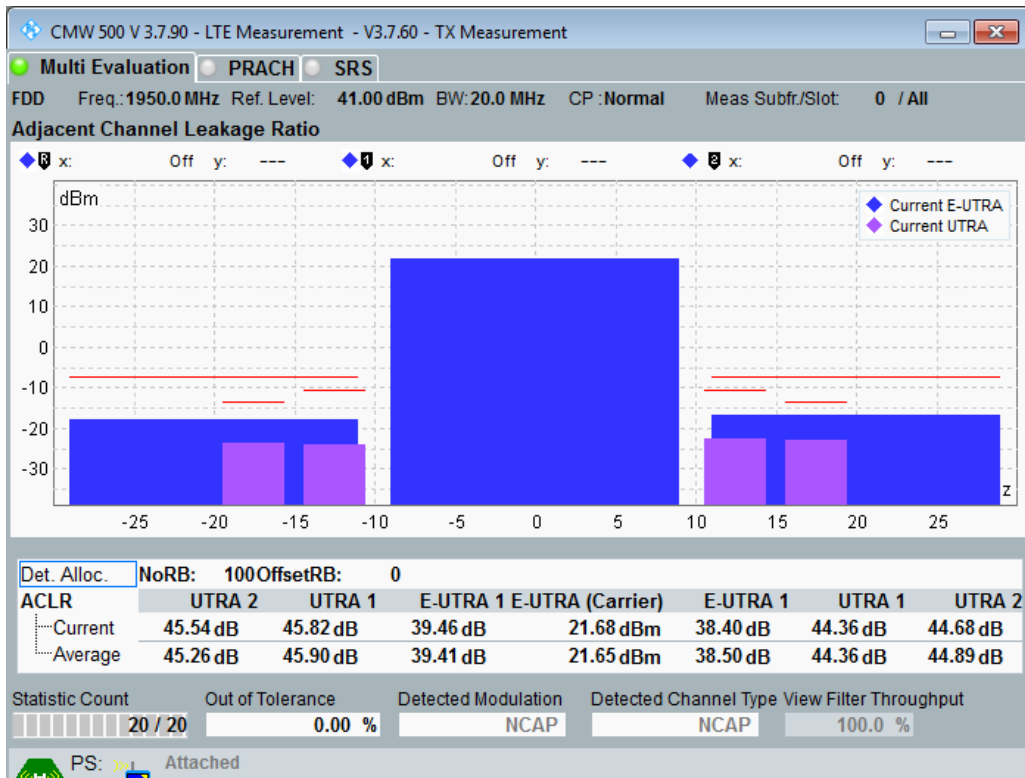


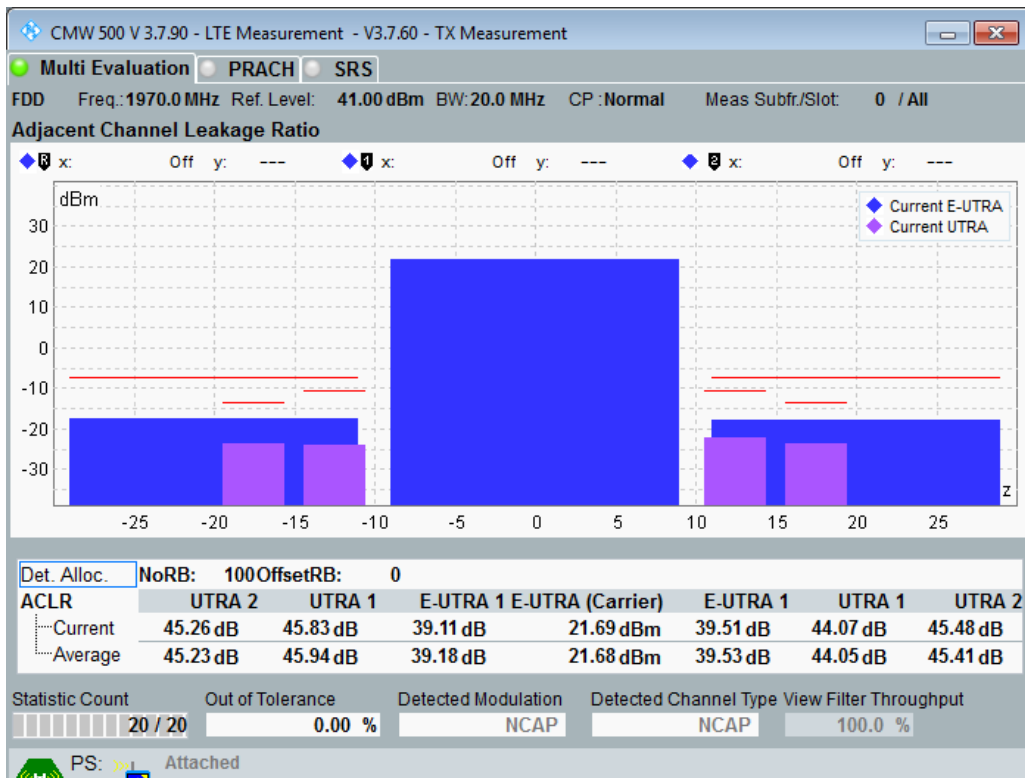
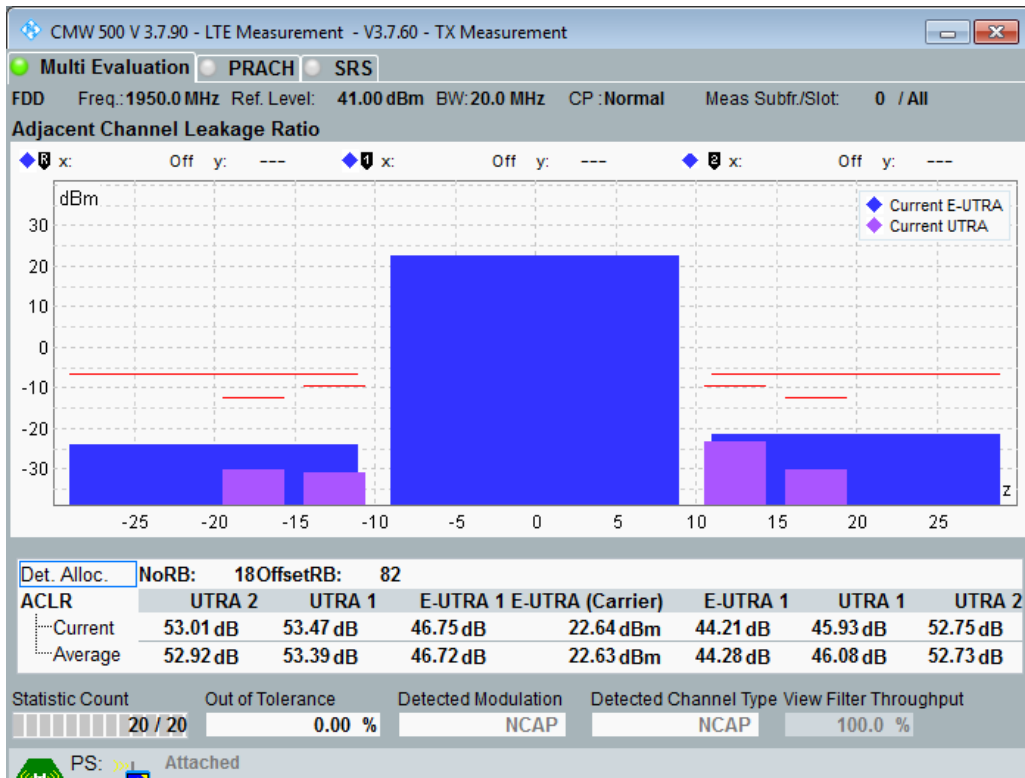


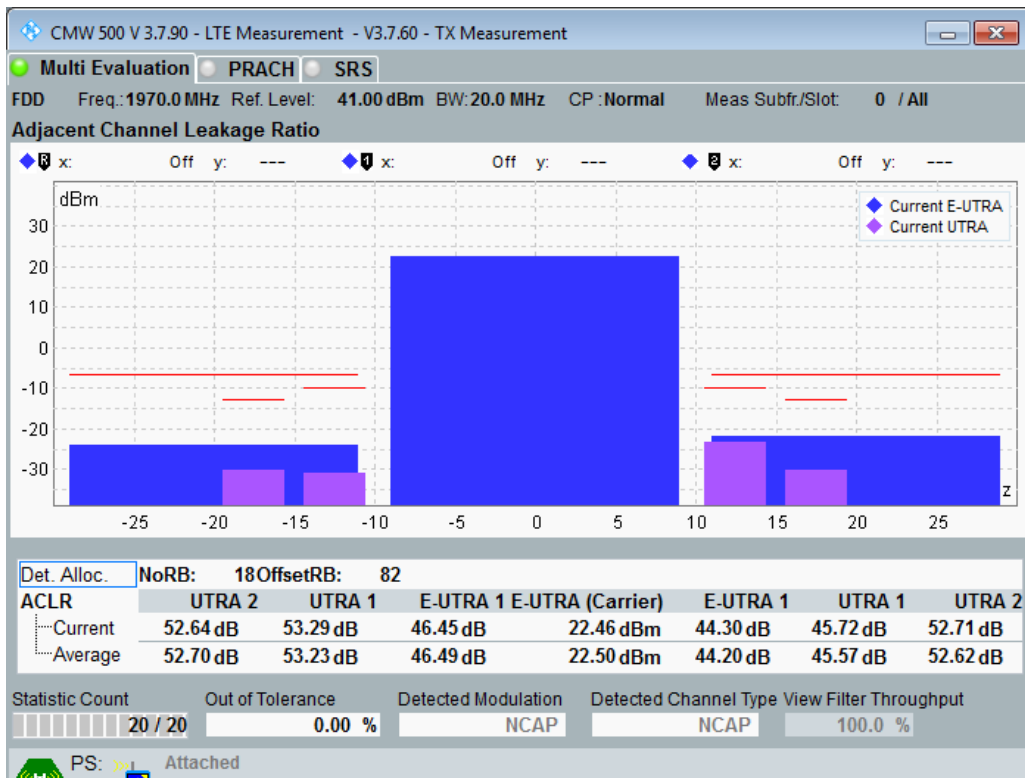
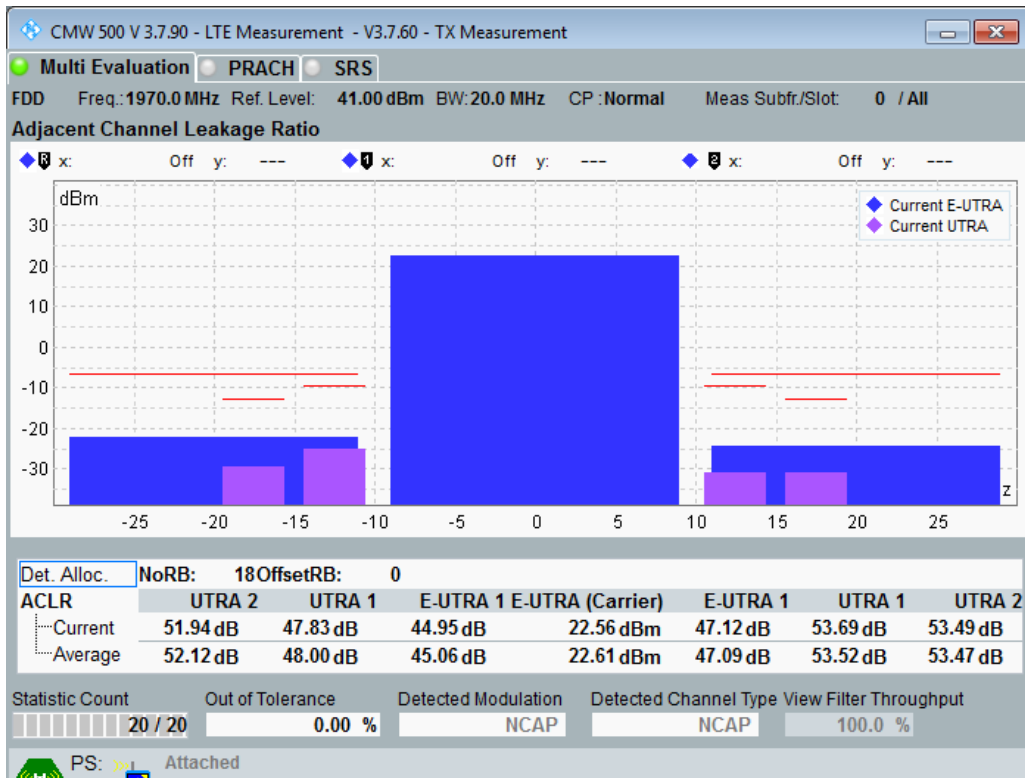














Summary

Mode	Result	Ch (Hz)	Center (Hz)	Fl (Hz)	Fh (Hz)	ppm	Limit (Fl,Fh,ppm)	Port	Remark
Band 1	-	-	-	-	-	-	-	-	-
LTE_20MHz_Nss1,QPSK_1TX	Pass	1.95G	1.950019G	1.941091G	1.958946G	0.0018	1.92G,1.98G,0.1	1	5 min
LTE_20MHz_Nss1,16QAM_1TX	Pass	1.95G	1.950022G	1.941091G	1.958954G	0.0021	1.92G,1.98G,0.1	1	5 min



Result

Mode	Result	Ch (Hz)	Center (Hz)	Fl (Hz)	Fh (Hz)	ppm	Limit (Fl,Fh,ppm)	Port	Remark
Band 1_LTE_20MHz_Nss1,QPSK_1TX	-	-	-	-	-	-	-	-	-
1950MHz_RB 100,#RB 0_-20°C	Pass	1.95G	1.950002G	1.941065G	1.958939G	0	1.92G,1.98G,0.1	1	0 min
1950MHz_RB 100,#RB 0_-20°C	Pass	1.95G	1.950004G	1.941072G	1.958935G	0.0009	1.92G,1.98G,0.1	1	2 min
1950MHz_RB 100,#RB 0_-20°C	Pass	1.95G	1.950011G	1.94108G	1.958943G	0.0002	1.92G,1.98G,0.1	1	5 min
1950MHz_RB 100,#RB 0_-20°C	Pass	1.95G	1.950017G	1.94108G	1.958954G	-0.0009	1.92G,1.98G,0.1	1	10 min
1950MHz_RB 100,#RB 0_-10°C	Pass	1.95G	1.950011G	1.94108G	1.958943G	0.0008	1.92G,1.98G,0.1	1	0 min
1950MHz_RB 100,#RB 0_-10°C	Pass	1.95G	1.950002G	1.941072G	1.958931G	0.0009	1.92G,1.98G,0.1	1	2 min
1950MHz_RB 100,#RB 0_-10°C	Pass	1.95G	1.950007G	1.941091G	1.958924G	-0.0009	1.92G,1.98G,0.1	1	5 min
1950MHz_RB 100,#RB 0_-10°C	Pass	1.95G	1.950019G	1.94108G	1.958958G	-0.0015	1.92G,1.98G,0.1	1	10 min
1950MHz_RB 100,#RB 0_0°C	Pass	1.95G	1.950024G	1.94108G	1.958969G	0.0005	1.92G,1.98G,0.1	1	0 min
1950MHz_RB 100,#RB 0_0°C	Pass	1.95G	1.950015G	1.941076G	1.958954G	0.0004	1.92G,1.98G,0.1	1	2 min
1950MHz_RB 100,#RB 0_0°C	Pass	1.95G	1.950015G	1.941084G	1.958946G	-0.0008	1.92G,1.98G,0.1	1	5 min
1950MHz_RB 100,#RB 0_0°C	Pass	1.95G	1.950011G	1.941076G	1.958946G	-0.0014	1.92G,1.98G,0.1	1	10 min
1950MHz_RB 100,#RB 0_10°C	Pass	1.95G	1.950011G	1.941065G	1.958958G	-0.0003	1.92G,1.98G,0.1	1	0 min
1950MHz_RB 100,#RB 0_10°C	Pass	1.95G	1.950013G	1.94108G	1.958946G	0.0011	1.92G,1.98G,0.1	1	2 min
1950MHz_RB 100,#RB 0_10°C	Pass	1.95G	1.950015G	1.94108G	1.95895G	0.0011	1.92G,1.98G,0.1	1	5 min
1950MHz_RB 100,#RB 0_10°C	Pass	1.95G	1.950002G	1.941076G	1.958928G	-0.0004	1.92G,1.98G,0.1	1	10 min
1950MHz_RB 100,#RB 0_20°C	Pass	1.95G	1.950015G	1.941076G	1.958954G	-0.0002	1.92G,1.98G,0.1	1	0 min
1950MHz_RB 100,#RB 0_20°C	Pass	1.95G	1.950013G	1.94108G	1.958946G	-0.001	1.92G,1.98G,0.1	1	2 min
1950MHz_RB 100,#RB 0_20°C	Pass	1.95G	1.950013G	1.94108G	1.958946G	-0.0015	1.92G,1.98G,0.1	1	5 min
1950MHz_RB 100,#RB 0_20°C	Pass	1.95G	1.950009G	1.941069G	1.95895G	-0.0007	1.92G,1.98G,0.1	1	10 min
1950MHz_RB 100,#RB 0_30°C	Pass	1.95G	1.950004G	1.941069G	1.958939G	-0.001	1.92G,1.98G,0.1	1	0 min
1950MHz_RB 100,#RB 0_30°C	Pass	1.95G	1.950017G	1.941084G	1.95895G	0.0004	1.92G,1.98G,0.1	1	2 min
1950MHz_RB 100,#RB 0_30°C	Pass	1.95G	1.950002G	1.941069G	1.958935G	0.0008	1.92G,1.98G,0.1	1	5 min
1950MHz_RB 100,#RB 0_30°C	Pass	1.95G	1.949994G	1.941061G	1.958928G	-0.0001	1.92G,1.98G,0.1	1	10 min
1950MHz_RB 100,#RB 0_40°C	Pass	1.95G	1.950009G	1.941076G	1.958943G	0.0001	1.92G,1.98G,0.1	1	0 min
1950MHz_RB 100,#RB 0_40°C	Pass	1.95G	1.950032G	1.941106G	1.958958G	0.0003	1.92G,1.98G,0.1	1	2 min
1950MHz_RB 100,#RB 0_40°C	Pass	1.95G	1.950015G	1.941072G	1.958958G	0.0002	1.92G,1.98G,0.1	1	5 min
1950MHz_RB 100,#RB 0_40°C	Pass	1.95G	1.950009G	1.94108G	1.958939G	-0.001	1.92G,1.98G,0.1	1	10 min
1950MHz_RB 100,#RB 0_50°C	Pass	1.95G	1.950017G	1.941076G	1.958958G	-0.0002	1.92G,1.98G,0.1	1	0 min
1950MHz_RB 100,#RB 0_50°C	Pass	1.95G	1.950011G	1.94108G	1.958943G	0.0004	1.92G,1.98G,0.1	1	2 min
1950MHz_RB 100,#RB 0_50°C	Pass	1.95G	1.950017G	1.94108G	1.958954G	-0.0001	1.92G,1.98G,0.1	1	5 min
1950MHz_RB 100,#RB 0_50°C	Pass	1.95G	1.950017G	1.941084G	1.95895G	0.0012	1.92G,1.98G,0.1	1	10 min
1950MHz_RB 100,#RB 0_5.75V	Pass	1.95G	1.950009G	1.941076G	1.958943G	0.0002	1.92G,1.98G,0.1	1	0 min
1950MHz_RB 100,#RB 0_5.75V	Pass	1.95G	1.950011G	1.941076G	1.958946G	0.0014	1.92G,1.98G,0.1	1	2 min
1950MHz_RB 100,#RB 0_5.75V	Pass	1.95G	1.950019G	1.941091G	1.958946G	0.0018	1.92G,1.98G,0.1	1	5 min
1950MHz_RB 100,#RB 0_5.75V	Pass	1.95G	1.950021G	1.94108G	1.958961G	-0.0001	1.92G,1.98G,0.1	1	10 min
1950MHz_RB 100,#RB 0_5V	Pass	1.95G	1.950006G	1.941061G	1.95895G	0.0008	1.92G,1.98G,0.1	1	0 min



Mode	Result	Ch (Hz)	Center (Hz)	Fl (Hz)	Fh (Hz)	ppm	Limit (Fl,Fh,ppm)	Port	Remark
1950MHz_RB 100,#RB 0_5V	Pass	1.95G	1.950024G	1.941095G	1.958954G	0.0003	1.92G,1.98G,0.1	1	2 min
1950MHz_RB 100,#RB 0_5V	Pass	1.95G	1.950002G	1.94108G	1.958924G	0.0009	1.92G,1.98G,0.1	1	5 min
1950MHz_RB 100,#RB 0_5V	Pass	1.95G	1.950007G	1.941069G	1.958946G	0.001	1.92G,1.98G,0.1	1	10 min
1950MHz_RB 100,#RB 0_4.25V	Pass	1.95G	1.950006G	1.941072G	1.958939G	0.0015	1.92G,1.98G,0.1	1	0 min
1950MHz_RB 100,#RB 0_4.25V	Pass	1.95G	1.950007G	1.941069G	1.958946G	0.0001	1.92G,1.98G,0.1	1	2 min
1950MHz_RB 100,#RB 0_4.25V	Pass	1.95G	1.950019G	1.941084G	1.958954G	-0.0002	1.92G,1.98G,0.1	1	5 min
1950MHz_RB 100,#RB 0_4.25V	Pass	1.95G	1.950009G	1.941076G	1.958943G	-0.0008	1.92G,1.98G,0.1	1	10 min
Band 1_LTE_20MHz_Nss1,16QAM_1TX	-	-	-	-	-	-	-	-	-
1950MHz_RB 100,#RB 0_-20°C	Pass	1.95G	1.950007G	1.941076G	1.958939G	0.0002	1.92G,1.98G,0.1	1	0 min
1950MHz_RB 100,#RB 0_-20°C	Pass	1.95G	1.950019G	1.941076G	1.958961G	-0.0015	1.92G,1.98G,0.1	1	2 min
1950MHz_RB 100,#RB 0_-20°C	Pass	1.95G	1.950006G	1.941072G	1.958939G	-0.0003	1.92G,1.98G,0.1	1	5 min
1950MHz_RB 100,#RB 0_-20°C	Pass	1.95G	1.950013G	1.941072G	1.958954G	-0.0001	1.92G,1.98G,0.1	1	10 min
1950MHz_RB 100,#RB 0_-10°C	Pass	1.95G	1.95G	1.941046G	1.958954G	0	1.92G,1.98G,0.1	1	0 min
1950MHz_RB 100,#RB 0_-10°C	Pass	1.95G	1.950015G	1.941076G	1.958954G	0.0002	1.92G,1.98G,0.1	1	2 min
1950MHz_RB 100,#RB 0_-10°C	Pass	1.95G	1.950013G	1.941076G	1.95895G	-0.0004	1.92G,1.98G,0.1	1	5 min
1950MHz_RB 100,#RB 0_-10°C	Pass	1.95G	1.950015G	1.941072G	1.958958G	0.0006	1.92G,1.98G,0.1	1	10 min
1950MHz_RB 100,#RB 0_0°C	Pass	1.95G	1.950011G	1.941065G	1.958958G	0.0005	1.92G,1.98G,0.1	1	0 min
1950MHz_RB 100,#RB 0_0°C	Pass	1.95G	1.950019G	1.94108G	1.958958G	-0.0003	1.92G,1.98G,0.1	1	2 min
1950MHz_RB 100,#RB 0_0°C	Pass	1.95G	1.950013G	1.941084G	1.958943G	0.0005	1.92G,1.98G,0.1	1	5 min
1950MHz_RB 100,#RB 0_0°C	Pass	1.95G	1.950017G	1.941084G	1.95895G	0.0003	1.92G,1.98G,0.1	1	10 min
1950MHz_RB 100,#RB 0_10°C	Pass	1.95G	1.950011G	1.941069G	1.958954G	0.0015	1.92G,1.98G,0.1	1	0 min
1950MHz_RB 100,#RB 0_10°C	Pass	1.95G	1.950011G	1.941087G	1.958935G	-0.0004	1.92G,1.98G,0.1	1	2 min
1950MHz_RB 100,#RB 0_10°C	Pass	1.95G	1.950013G	1.941076G	1.95895G	-0.0004	1.92G,1.98G,0.1	1	5 min
1950MHz_RB 100,#RB 0_10°C	Pass	1.95G	1.949998G	1.941057G	1.958939G	0.0004	1.92G,1.98G,0.1	1	10 min
1950MHz_RB 100,#RB 0_20°C	Pass	1.95G	1.950017G	1.941084G	1.95895G	-0.0002	1.92G,1.98G,0.1	1	0 min
1950MHz_RB 100,#RB 0_20°C	Pass	1.95G	1.950017G	1.941072G	1.958961G	0.001	1.92G,1.98G,0.1	1	2 min
1950MHz_RB 100,#RB 0_20°C	Pass	1.95G	1.950019G	1.941076G	1.958961G	0.0007	1.92G,1.98G,0.1	1	5 min
1950MHz_RB 100,#RB 0_20°C	Pass	1.95G	1.950004G	1.941057G	1.95895G	0.0011	1.92G,1.98G,0.1	1	10 min
1950MHz_RB 100,#RB 0_30°C	Pass	1.95G	1.950007G	1.941069G	1.958946G	-0	1.92G,1.98G,0.1	1	0 min
1950MHz_RB 100,#RB 0_30°C	Pass	1.95G	1.950004G	1.941061G	1.958946G	-0.0004	1.92G,1.98G,0.1	1	2 min
1950MHz_RB 100,#RB 0_30°C	Pass	1.95G	1.950006G	1.941061G	1.95895G	0.0005	1.92G,1.98G,0.1	1	5 min
1950MHz_RB 100,#RB 0_30°C	Pass	1.95G	1.950011G	1.941084G	1.958939G	-0.0001	1.92G,1.98G,0.1	1	10 min
1950MHz_RB 100,#RB 0_40°C	Pass	1.95G	1.950019G	1.941076G	1.958961G	0.0012	1.92G,1.98G,0.1	1	0 min
1950MHz_RB 100,#RB 0_40°C	Pass	1.95G	1.950011G	1.941069G	1.958954G	0	1.92G,1.98G,0.1	1	2 min
1950MHz_RB 100,#RB 0_40°C	Pass	1.95G	1.950007G	1.941069G	1.958946G	0.0008	1.92G,1.98G,0.1	1	5 min
1950MHz_RB 100,#RB 0_40°C	Pass	1.95G	1.950021G	1.941076G	1.958965G	0.001	1.92G,1.98G,0.1	1	10 min
1950MHz_RB 100,#RB 0_50°C	Pass	1.95G	1.950015G	1.941091G	1.958939G	-0.0007	1.92G,1.98G,0.1	1	0 min
1950MHz_RB 100,#RB 0_50°C	Pass	1.95G	1.950009G	1.94108G	1.958939G	0.0001	1.92G,1.98G,0.1	1	2 min



Mode	Result	Ch (Hz)	Center (Hz)	Fl (Hz)	Fh (Hz)	ppm	Limit (Fl,Fh,ppm)	Port	Remark
1950MHz_RB 100,#RB 0_50°C	Pass	1.95G	1.950004G	1.941061G	1.958946G	-0	1.92G,1.98G,0.1	1	5 min
1950MHz_RB 100,#RB 0_50°C	Pass	1.95G	1.950011G	1.941072G	1.95895G	-0.0001	1.92G,1.98G,0.1	1	10 min
1950MHz_RB 100,#RB 0_5.75V	Pass	1.95G	1.950011G	1.941076G	1.958946G	0.0002	1.92G,1.98G,0.1	1	0 min
1950MHz_RB 100,#RB 0_5.75V	Pass	1.95G	1.950007G	1.941061G	1.958954G	-0.0001	1.92G,1.98G,0.1	1	2 min
1950MHz_RB 100,#RB 0_5.75V	Pass	1.95G	1.950006G	1.941072G	1.958939G	-0.0007	1.92G,1.98G,0.1	1	5 min
1950MHz_RB 100,#RB 0_5.75V	Pass	1.95G	1.950009G	1.941072G	1.958946G	0.0001	1.92G,1.98G,0.1	1	10 min
1950MHz_RB 100,#RB 0_5V	Pass	1.95G	1.950011G	1.941076G	1.958946G	-0.0009	1.92G,1.98G,0.1	1	0 min
1950MHz_RB 100,#RB 0_5V	Pass	1.95G	1.950004G	1.941072G	1.958935G	0.0001	1.92G,1.98G,0.1	1	2 min
1950MHz_RB 100,#RB 0_5V	Pass	1.95G	1.950006G	1.941057G	1.958954G	0.0003	1.92G,1.98G,0.1	1	5 min
1950MHz_RB 100,#RB 0_5V	Pass	1.95G	1.950006G	1.941061G	1.95895G	0.0006	1.92G,1.98G,0.1	1	10 min
1950MHz_RB 100,#RB 0_4.25V	Pass	1.95G	1.950022G	1.941084G	1.958961G	0.0002	1.92G,1.98G,0.1	1	0 min
1950MHz_RB 100,#RB 0_4.25V	Pass	1.95G	1.950011G	1.941072G	1.95895G	0.0009	1.92G,1.98G,0.1	1	2 min
1950MHz_RB 100,#RB 0_4.25V	Pass	1.95G	1.950022G	1.941091G	1.958954G	0.0021	1.92G,1.98G,0.1	1	5 min
1950MHz_RB 100,#RB 0_4.25V	Pass	1.95G	1.950015G	1.94108G	1.95895G	0.001	1.92G,1.98G,0.1	1	10 min