報告編號: **RTBASM-WTW-P21071009-1**

行動通信電信終端設備測試報告

產品名稱	Wireless Module
申請廠商	名稱：神基科技股份有限公司 地址：新北市汐止區南陽街 209 號 7 樓
製造廠商	Sierra Wireless Inc.
商標或廠牌	AirPrime
型號	EM7565
該產品樣品試驗依據之試驗標準	國家通訊傳播委員會 行動通信電信終端設備技術規範【PLMN ALL】 (LTE 終端設備(PLMN10)) 訂定日期：109 年 09 月 25 日
試驗結果	合格

填發本檢驗報告之檢驗機構

香港商立德國際商品試驗有限公司桃園分公司林口實驗室
實驗室認可編號：TAF 2021 (9kHz~40GHz)
實驗室地址：新北市林口區嘉寶里 14 鄰 47-2 號
受理日期：110 年 07 月 28 日
完成日期：110 年 09 月 07 日
發行日期：110 年 11 月 25 日

報告簽署人簽章:



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報告發行紀錄

Issue No.	Description	Date Issued
RTBASM-WTW-P21071009-1	Original release	110 年 11 月 25 日

證 明 書

發行日期：110 年 11 月 25 日

產 品 名 稱： Wireless Module

廠 牌： AirPrime

型 號： EM7565

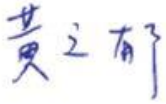
申 請 者： 神基科技股份有限公司

量 測 規 範： 行動通信電信終端設備技術規範【PLMN ALL】
(LTE 終端設備(PLMN10))
訂定日期：109 年 09 月 25 日

香港商立德國際商品試驗有限公司桃園分公司在此證明上述待測設備樣品一組(型號：EM7565)，收件日期 110 年 07 月 28 日，於 110 年 09 月 06 日至 110 年 09 月 07 日已在本公司的標準測試場地完成量測。報告中所描述之測試結果和待測設備的架構組合，均根據樣品實際的量測情況作詳實的記錄。

立德桃園分公司依“行動通信電信終端設備技術規範”製作測試結果報告。

特 此 證 明 ！

報告製作者：  ，日 期：110 年 11 月 25 日

黃之郁 / 專員

審 核 者：  ，日 期：110 年 11 月 25 日

林炳存 / 專案工程師

香港商立德國際商品試驗有限公司桃園分公司
實驗室地址：新北市林口區嘉寶里 14 鄰 47-2 號

此份報告不得摘錄複製，除全份複製外，需經實驗室書面同意。

1. 行動通信電信終端設備量測記錄表

申請廠商	神基科技股份有限公司
製造廠商	Sierra Wireless Inc.
申請廠商地址	新北市汐止區南陽街 209 號 7 樓
廠牌	AirPrime
產品名稱	Wireless Module
型號	EM7565
量測單位名稱	香港商立德國際商品試驗有限公司桃園分公司 林口實驗室華亞檢測部
量測單位地址	桃園市龜山區文化里華亞二路 19 號
量測單位認可編號	TAF 2021 (9kHz~40GHz)
認可有效期限	112 年 08 月 06 日
量測單位聯絡電話	03-3183232
量測規範	行動通信電信終端設備技術規範【PLMN ALL】 (LTE 終端設備(PLMN10)) 訂定日期：109 年 09 月 25 日

項次	量測項目	規範	量測結果 判定
1	發射功率	行動通信電信終端設備技術規範 6.3.1 章節	合格
2	發射頻譜波罩	行動通信電信終端設備技術規範 6.3.2 章節	合格
3	傳導帶外輻射發射	行動通信電信終端設備技術規範 6.3.3 章節	合格
4	相鄰頻道洩漏功率比(ACLR)	行動通信電信終端設備技術規範 6.3.4 章節	合格
5	頻率穩定度	行動通信電信終端設備技術規範 6.3.5 章節	合格
6	電磁波能量比吸收率(SAR)	行動通信電信終端設備技術規範 6.6.1.1 章節	NA (註 1)
7	電波功率密度	行動通信電信終端設備技術規範 6.6.2.1 章節	合格
8	災防告警細胞廣播訊息接收功能	行動通信電信終端設備技術規範 6.10 章節	NA (註 2)

註：

1. 此待測設備非手持式終端設備不須測試 SAR。
2. 此待測設備無語音和簡訊功能，故無需執行公眾告警廣播簡訊功能量測。
3. 量測結果之判定不考慮量測不確定度的貢獻。

2. 一般敘述

2.1 待測設備

產 品 名 稱：	Wireless Module
型 號：	EM7565
額 定 電 源：	5 Vdc from host equipment
測 試 軟 體：	N/A (測試時無須測試軟體即可測試)
調 變 方 式：	QPSK, 16QAM, 64QAM
頻 帶：	LTE Band 1: Uplink (UL): 1920MHz ~ 1980MHz Downlink (DL): 2110MHz ~ 2170MHz LTE Band 3: Uplink (UL): 1710MHz ~ 1785MHz Downlink (DL): 1805MHz ~ 1880MHz LTE Band 7: Uplink (UL): 2500MHz ~ 2570MHz Downlink (DL): 2620MHz ~ 2690MHz LTE Band 8: Uplink (UL): 885MHz ~ 915MHz Downlink (DL): 930MHz ~ 960MHz LTE Band 28: Uplink (UL): 703MHz ~ 748MHz Downlink (DL): 758MHz ~ 803MHz LTE Band 41: 2500MHz ~ 2690MHz
工 作 頻 寬：	LTE Band 1: 5MHz / 10MHz / 15MHz / 20 MHz LTE Band 3: 1.4MHz / 3MHz / 5MHz / 10MHz / 15MHz / 20 MHz LTE Band 7: 5MHz / 10MHz / 15MHz / 20MHz LTE Band 8: 1.4MHz / 3MHz / 5MHz / 10MHz LTE Band 28: 3MHz / 5MHz / 10MHz / 15MHz / 20 MHz LTE Band 41: 5MHz / 10MHz / 15MHz / 20MHz
量 測 功 率：	**傳導輸出：** LTE Band 1: 23.62dBm LTE Band 3: 23.65dBm LTE Band 7: 22.75dBm LTE Band 8: 23.68dBm LTE Band 28: 23.70dBm LTE Band 41: 22.70dBm **等效輻射：** LTE Band 1: 25.82dBm LTE Band 3: 26.34dBm LTE Band 7: 24.28dBm LTE Band 8: 22.19dBm LTE Band 28: 21.80dBm LTE Band 41: 24.23dBm

發 射 模 式：	1 Tx / 1 Rx
天 線 種 類：	見註 1
電 源 線 類 別：	見註 3
信 號 線 類 別：	見註 3
配 件：	見註 3

註 1: 此待測設備搭配使用之天線，其資料如下：

	天線型式	廠牌	型號	接頭型式	增益 (dBi)					
					LTE 1	LTE 3	LTE 7	LTE 8	LTE 28	LTE 41
Main (TX)	PIFA	美磊科技有限公司	340919000001	N/A	**4.35**	**4.84**	**3.68**	**0.66**	**0.25**	**3.68**
Aux. (RX)	PIFA	美磊科技有限公司	340919000002	N/A	3.37	4.53	1.87	-2.31	-0.35	1.87

*上述天線的規格資訊由申請者聲明，實驗室不承擔任何責任。

註 2: 待測設備搭配之平台資訊如下：

產品名稱	廠牌	型號
Tablet	Getac	ZX10

註 3: 平台之配件如下。

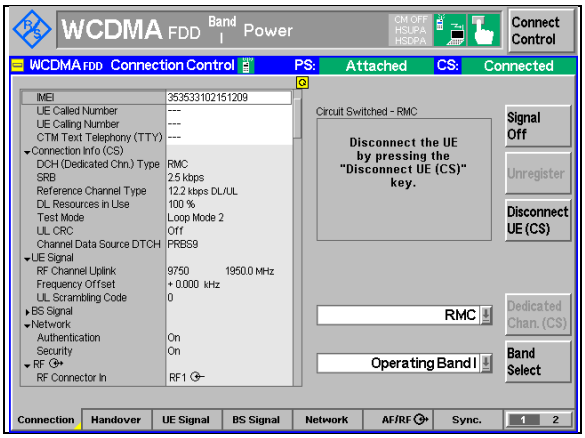
配件	廠牌	型號	規格
Adapter	FSP	FSP065-RBBN3	Input: 100-240V , 1.5A , 50-60Hz output : 19.0V / 3.42A / 65.0W 1.47m non-shielded cable with 1 core
Battery 1 (High capacity battery)	Getac	BP1S2P4990B	Rating : 3.84Vdc , 9740mAh , 37.4Wh Typical Capacity : 9980mAh , 38.32Wh
Battery 2 (Normal battery)	Getac	BP1S1P4990B	Rating : 3.84Vdc , 4870mAh , 18.7Wh Typical Capacity : 4990mAh , 19.16Wh
Power cord	I-SHENG ELECTRIC WIRE & CABLE CO., LTD.	SP-305B+IS-034	1.7m non-shielded cable w/o core
Touch pen	Getac	N52 Magnet	N/A

註 4: 平台ZX10包含如下4個Configuration，經預掃後以Configuration 3具有較大干擾值，故以此進行最終測試。

Part	Brand	Model	Specification	Configuration			
				1	2	3	4
CPU	Qualcomm	SDA 660	--	V	V	V	V
Memory	Samsung	KM3V6001CM-B705	4GB	V	V	V	V
VIDEO CONTROLLER	Qaulcomm	Adreno GU 512	--	V	V	V	V
eMMC Storage	Samsung	--	64GB	V	V	V	V
DISPLAY	AUO	G101UAN2.0	--	V	V	V	V
Touch Screen	EETI	EXC80H60	--	V	V	V	V
Real Camera	Unison	MV21A6A1-TF5D	16M PLCC MIPI	V	V	V	V
Front Camera	Unison	MV2980A1-TF4R-P	8M PLCC MIPI	V	V	V	V
WWAN Module	Sierra	EM7565	--	V	V	V	V
WLAN/BT Module	Qualcomm	WCN3990	--	V	V	V	V
HF-RFID	Getac	PN7150	--	V	V	V	V
GPS	Locosys	MC-1010-V2B	--	V	V	V	V
Barcode Reader	Honeywell	N6703SR-W5-103	--	V	V	V	V
Smart Card Option Bay	Alcor	AU9560-GBS-GR	--			V	V
Normal battery	Getac	--	BYD Cell, CSL595490HPlus	V		V	
High capacity battery	Getac	--	BYD Cell, CSL595490HPlus		V		V

註 5: 待測設備搭配使用之配件請參照BV CPS報告編號：BASM-WTW-P21071009，測試設置照片請參照BV CPS報告編號：BASM-WTW-P21071009_TSup

註 6: IMEI: 353533102151209為測試時專用的IMEI號碼，上市時之IMEI請參考電信終端設備審驗切結書。



此裝置測試中心頻率如下：

LTE Band 1

Bandwidth	頻道	對應頻率 (MHz)	Bandwidth	頻道	對應頻率 (MHz)
5MHz	18025	1922.5	10MHz	18050	1925.0
	18300	1950.0		18300	1950.0
	18575	1977.5		18550	1975.0
Bandwidth	**頻道**	**對應頻率 (MHz)**			
20MHz	18100	1930.0			
	18300	1950.0			
	18500	1970.0			

LTE Band 3

Bandwidth	頻道	對應頻率 (MHz)	Bandwidth	頻道	對應頻率 (MHz)
1.4MHz	19207	1710.7	5MHz	19225	1712.5
	19575	1747.5		19575	1747.5
	19943	1784.3		19925	1782.5
Bandwidth	**頻道**	**對應頻率 (MHz)**	**Bandwidth**	**頻道**	**對應頻率 (MHz)**
10MHz	19250	1715.0	20MHz	19300	1720.0
	19575	1747.5		19575	1747.5
	19900	1780.0		19850	1775.0

LTE Band 7

Bandwidth	頻道	對應頻率 (MHz)	Bandwidth	頻道	對應頻率 (MHz)
5MHz	20775	2502.5	10MHz	20800	2505.0
	21100	2535.0		21100	2535.0
	21425	2567.5		21400	2565.0
Bandwidth	**頻道**	**對應頻率 (MHz)**	**Bandwidth**	**頻道**	**對應頻率 (MHz)**
15MHz	20825	2507.5	20MHz	20850	2510.0
	21100	2535.0		21100	2535.0
	21375	2562.5		21350	2560.0

LTE Band 8

Bandwidth	頻道	對應頻率 (MHz)	Bandwidth	頻道	對應頻率 (MHz)
1.4MHz	21507	885.7	5MHz	21525	887.5
	21650	900.0		21650	900.0
	21793	914.3		21775	912.5
Bandwidth	**頻道**	**對應頻率 (MHz)**			
10MHz	21550	890.0			
	21650	900.0			
	21750	910.0			

LTE Band 28

Bandwidth	頻道	對應頻率 (MHz)	Bandwidth	頻道	對應頻率 (MHz)
3MHz	27225	704.5	5MHz	27235	705.5
	27435	725.5		27435	725.5
	27645	746.5		27635	745.5
Bandwidth	**頻道**	**對應頻率 (MHz)**	**Bandwidth**	**頻道**	**對應頻率 (MHz)**
10MHz	27260	708.0	20MHz	27310	713.0
	27435	725.5		27435	725.5
	27610	743.0		27560	738.0

LTE Band 41

Bandwidth	頻道	對應頻率 (MHz)	Bandwidth	頻道	對應頻率 (MHz)
5MHz	39715	2502.5	10MHz	39740	2505.0
	40640	2595.0		40640	2595.0
	41565	2687.5		41540	2685.0
Bandwidth	**頻道**	**對應頻率 (MHz)**			
20MHz	39790	2510.0			
	40640	2595.0			
	41490	2680.0			

*詳細之規格請參考使用說明書。

量測不確定度

項次	量測項目	擴充不確定度值		
1	最大發射輸出功率 (dB)	+ 0.19 / - 0.19		
2	頻率誤差 (Hz)	+ 34.326 / - 34.326		
3	發射頻譜波罩 (dB)	+ 1.875 / - 1.875		
4	鄰頻道洩漏功率比 (dB)	+ 2.215 / - 2.215		
5	混附波輻射 (dB)	頻率 9 kHz ~ 30 MHz	頻率 30 ~ 1000 MHz	頻率 1 G ~ 12.75 GHz
		+ 3.089 / - 3.089	+ 3.089 / - 3.089	+ 3.928 / - 3.928
6	災防告警細胞廣播訊息接收功能	NA		

Note: The calculated as per the document ETSI TR 100 028. This uncertainty represents an expanded uncertainty expressed at approximately the 95 % confidence level using a coverage factor of k = 2.

2.2 輔助測試之週邊設備描述

此待測設備於受測時無須搭配一般用途之相關設備，故採獨立測試。

3. 發射功率

3.1 適用標準

(1) 有效幅射功率(Effective Radiated Power，ERP)

手持式行動臺限制為 1 瓦特(W)。
移動式行動臺限制為 2 瓦特(W)。

(2) 傳導輸出功率限制值

採 FDD 者：23 毫瓦分貝(dBm）+2.7/-3.2 分貝（dB）。
採 TDD 者：23 毫瓦分貝(dBm）+2.7/-2.7 分貝（dB），但設備屬高功率用戶終端設備(High Power User Equipment, HPUE)者，其傳導輸出功率限制限制值為 26 dBm +2.7/-2.7 dB。

3.2 量測方法

(1) 在正常條件下執行測試。
(2) 量測時應使用解析頻寬設定為 1 MHz 以上的頻譜分析量測儀器執行量測，並選擇 Channel Power 模式執行。
(3) 檢測頻道為低、中、高三個頻道，並分別對最低、5MHz 及最高之工作頻寬，依下表進行檢測。
(4) 由 RF 輸出埠直接量測輸出功率。

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

註：RB offset 設定值及應檢項目之測試方法，參考 3GPP TS 36.521 技術標準規定。

3.3 量測儀器

儀器名稱 (廠牌/製造商)	型號	序號	校正日期	下次校正日期
Radio Communication Analyzer Anritsu	MT8820C	6201010284	Dec. 28, 2020	Dec. 27, 2021

Note: The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.

3.4 測試配置



3.5 量測結果

操作模式	發射	測試者	張睿晉
量測場地溫度	23℃	量測場地濕度	72% RH

Measured Power

LTE Band / BW	RB Size	RB Offset	QPSK		
			Low CH 18025	Mid CH 18300	High CH 18575
			1922.5 MHz	1950.0 MHz	1977.5 MHz
1 / 5M	1	0	23.27	23.30	23.49
	1	24	23.36	23.40	23.34
	8	0		23.40	
LTE Band / BW	RB Size	RB Offset	QPSK		
			Low CH 18100	Mid CH 18300	High CH 18500
			1930.0 MHz	1950.0 MHz	1970.0 MHz
1 / 20M	1	0	23.59	**23.62**	23.46
	1	99	23.37	23.31	23.25
	18	0		23.59	

LTE Band / BW	RB Size	RB Offset	QPSK		
			Low CH 19207	Mid CH 19575	High CH 19943
			1710.7 MHz	1747.5 MHz	1784.3 MHz
3 / 1.4M	1	0	23.29	23.29	23.41
	5	0		23.30	
LTE Band / BW	RB Size	RB Offset	QPSK		
			Low CH 19225	Mid CH 19575	High CH 19925
			1712.5 MHz	1747.5 MHz	1782.5 MHz
3 / 5M	1	0	23.42	23.47	23.45
	1	24	23.33	23.33	23.37
	8	0		23.35	
LTE Band / BW	RB Size	RB Offset	QPSK		
			Low CH 19300	Mid CH 19575	High CH 19850
			1720.0 MHz	1747.5 MHz	1775.0 MHz
3 / 20M	1	0	23.48	23.56	**23.65**
	1	99	23.29	23.2	23.21
	18	0		23.45	

LTE Band / BW	RB Size	RB Offset	QPSK		
			Low CH 20775	Mid CH 21100	High CH 21425
			2502.5 MHz	2535.0 MHz	2567.5 MHz
7 / 5M	1	0	22.39	22.42	22.50
	1	24	22.32	22.45	22.43
	8	0		22.43	
LTE Band / BW	RB Size	RB Offset	QPSK		
			Low CH 20850	Mid CH 21100	High CH 21350
			2510.0 MHz	2535.0 MHz	2560.0 MHz
7 / 20M	1	0	22.51	22.54	**22.75**
	1	99	22.45	22.6	22.52
	18	0		22.55	

LTE Band / BW	RB Size	RB Offset	QPSK		
			Low CH 21507	Mid CH 21650	High CH 21793
			885.7 MHz	900.0 MHz	914.3 MHz
8 / 1.4M	1	0	23.38	23.41	23.47
	5	0		23.35	
LTE Band / BW	RB Size	RB Offset	QPSK		
			Low CH 21525	Mid CH 21650	High CH 21775
			887.5 MHz	900.0 MHz	912.5 MHz
8 / 5M	1	0	23.53	23.39	23.59
	1	24	23.51	23.30	**23.68**
	8	0		23.34	
LTE Band / BW	RB Size	RB Offset	QPSK		
			Low CH 21550	Mid CH 21650	High CH 21750
			890.0 MHz	900.0 MHz	910.0 MHz
8 / 10M	1	0	23.41	23.51	23.47
	1	49	23.46	23.28	23.48
	12	0		23.45	

LTE Band / BW	RB Size	RB Offset	QPSK		
			Low CH 27225	Mid CH 27435	High CH 27645
			704.5 MHz	725.5 MHz	746.5 MHz
28 / 3M	1	0	23.37	23.57	23.57
	4	0		23.56	
LTE Band / BW	RB Size	RB Offset	QPSK		
			Low CH 27235	Mid CH 27435	High CH 27635
			705.5 MHz	725.5 MHz	745.5 MHz
28 / 5M	1	0	23.55	23.53	23.47
	1	24	23.47	23.51	23.53
	8	0		23.47	
LTE Band / BW	RB Size	RB Offset	QPSK		
			Low CH 27310	Mid CH 27435	High CH 27560
			713.0 MHz	725.5 MHz	738.0 MHz
28 / 20M	1	0	23.54	23.6	23.51
	1	99	23.59	23.63	**23.70**
	18	0		23.56	

LTE Band / BW	RB Size	RB Offset	QPSK		
			Low CH 39715	Mid CH 40640	High CH 41565
			2502.5 MHz	2595.0 MHz	2687.5 MHz
41 / 5M	1	0	22.39	22.41	22.38
	1	24	22.24	22.48	22.08
	8	0		22.44	
LTE Band / BW	RB Size	RB Offset	QPSK		
			Low CH 39790	Mid CH 40640	High CH 41490
			2510.0 MHz	2595.0 MHz	2680.0 MHz
41 / 20M	1	0	22.47	**22.70**	22.69
	1	99	22.25	22.36	22.04
	18	0		22.64	

ERP

LTE Band / BW	RB Size	RB Offset	QPSK		
			Low CH 18025	Mid CH 18300	High CH 18575
			1922.5 MHz	1950.0 MHz	1977.5 MHz
1 / 5M	1	0	25.47	25.50	25.69
	1	24	25.56	25.60	25.54
	8	0		25.60	
LTE Band / BW	RB Size	RB Offset	QPSK		
			Low CH 18100	Mid CH 18300	High CH 18500
			1930.0 MHz	1950.0 MHz	1970.0 MHz
1 / 20M	1	0	25.79	**25.82**	25.66
	1	99	25.57	25.51	25.45
	18	0		25.79	

Note:
EIRP = Measured Power + Gain
ERP = EIRP - 2.15

LTE Band / BW	RB Size	RB Offset	QPSK		
			Low CH 19207	Mid CH 19575	High CH 19943
			1710.7 MHz	1747.5 MHz	1784.3 MHz
3 / 1.4M	1	0	25.98	25.98	26.10
	5	0		25.99	
LTE Band / BW	RB Size	RB Offset	QPSK		
			Low CH 19225	Mid CH 19575	High CH 19925
			1712.5 MHz	1747.5 MHz	1782.5 MHz
3 / 5M	1	0	26.11	26.16	26.14
	1	24	26.02	26.02	26.06
	8	0		26.04	
LTE Band / BW	RB Size	RB Offset	QPSK		
			Low CH 19300	Mid CH 19575	High CH 19850
			1720.0 MHz	1747.5 MHz	1775.0 MHz
3 / 20M	1	0	26.17	26.25	**26.34**
	1	99	25.98	25.89	25.90
	18	0		26.14	

Note:
EIRP = Measured Power + Gain
ERP = EIRP - 2.15

LTE Band / BW	RB Size	RB Offset	QPSK		
			Low CH 20775	Mid CH 21100	High CH 21425
			2502.5 MHz	2535.0 MHz	2567.5 MHz
7 / 5M	1	0	23.92	23.95	24.03
	1	24	23.85	23.98	23.96
	8	0		23.96	
LTE Band / BW	RB Size	RB Offset	QPSK		
			Low CH 20850	Mid CH 21100	High CH 21350
			2510.0 MHz	2535.0 MHz	2560.0 MHz
7 / 20M	1	0	24.04	24.07	**24.28**
	1	99	23.98	24.13	24.05
	18	0		24.08	

Note:
EIRP = Measured Power + Gain
ERP = EIRP - 2.15

LTE Band / BW	RB Size	RB Offset	QPSK		
			Low CH 21507	Mid CH 21650	High CH 21793
			885.7 MHz	900.0 MHz	914.3 MHz
8 / 1.4M	1	0	21.89	21.92	21.98
	5	0		21.86	
LTE Band / BW	RB Size	RB Offset	QPSK		
			Low CH 21525	Mid CH 21650	High CH 21775
			887.5 MHz	900.0 MHz	912.5 MHz
8 / 5M	1	0	22.04	21.90	22.10
	1	24	22.02	21.81	**22.19**
	8	0		21.85	
LTE Band / BW	RB Size	RB Offset	QPSK		
			Low CH 21550	Mid CH 21650	High CH 21750
			890.0 MHz	900.0 MHz	910.0 MHz
8 / 10M	1	0	21.92	22.02	21.98
	1	49	21.97	21.79	21.99
	12	0		21.96	

Note:
EIRP = Measured Power + Gain
ERP = EIRP - 2.15

LTE Band / BW	RB Size	RB Offset	QPSK		
			Low CH 27225	Mid CH 27435	High CH 27645
			704.5 MHz	725.5 MHz	746.5 MHz
28 / 3M	1	0	21.47	21.67	21.67
	4	0		21.66	
LTE Band / BW	RB Size	RB Offset	QPSK		
			Low CH 27235	Mid CH 27435	High CH 27635
			705.5 MHz	725.5 MHz	745.5 MHz
28 / 5M	1	0	21.65	21.63	21.57
	1	24	21.57	21.61	21.63
	8	0		21.57	
LTE Band / BW	RB Size	RB Offset	QPSK		
			Low CH 27310	Mid CH 27435	High CH 27560
			713.0 MHz	725.5 MHz	738.0 MHz
28 / 20M	1	0	21.64	21.70	21.61
	1	99	21.69	21.73	**21.80**
	18	0		21.66	

Note:
EIRP = Measured Power + Gain
ERP = EIRP - 2.15

LTE Band / BW	RB Size	RB Offset	QPSK		
			Low CH 39715	Mid CH 40640	High CH 41565
			2502.5 MHz	2595.0 MHz	2687.5 MHz
41 / 5M	1	0	23.92	23.94	23.91
	1	24	23.77	24.01	23.61
	8	0		23.97	
LTE Band / BW	RB Size	RB Offset	QPSK		
			Low CH 39790	Mid CH 40640	High CH 41490
			2510.0 MHz	2595.0 MHz	2680.0 MHz
41 / 20M	1	0	24.00	**24.23**	24.22
	1	99	23.78	23.89	23.57
	18	0		24.17	

Note:
EIRP = Measured Power + Gain
ERP = EIRP - 2.15

4. 發射頻譜波罩

4.1 適用標準

須符合下列表之規範值。

頻譜波罩規範值(表一)

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

註：Δf_OOB是發射頻帶外之頻率偏移量 (Δ Frequency of Out-of-band emission)

4.2 量測方法

(1) 在正常條件下執行測試，量測方式參考 3GPP TS 36 521-1, table 6.6.2.1.4.1-1。
(2) 頻譜波罩限制值依頻道頻寬及Δf_OOB 而不同，量測時之解析頻寬不小於下表設定值。
(3) 檢測頻道為低、中、高三個頻道，對最低、5MHz、10MHz 及最高的工作頻寬之最大調變級數發射模式分別檢測。
(4) 儀器之解析頻寬須大於等於量測頻寬。若當解析頻寬小於量測頻寬時，需設定能涵蓋信號頻寬的積分範圍以確保雜訊頻寬能和量測頻寬相當。
(5) 偵測器模式：true RMS voltage 或 true average power。
(6) 依據規範訂定之量測頻寬進行測量，並注意發射信號頻譜波形是否超出頻譜波罩規範值。

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	頻譜波罩測試不適用	QPSK	6	6
1.4MHz		QPSK	5	5
1.4MHz		16QAM	5	5
1.4MHz		16QAM	6	6
3MHz		QPSK	15	15
3MHz		QPSK	4	4
3MHz		16QAM	4	4
3MHz		16QAM	15	15
5MHz		QPSK	25	25
5MHz		QPSK	8	8
5MHz		16QAM	8	8
5MHz		16QAM	25	25
10MHz		QPSK	50	50
10MHz		QPSK	12	12
10MHz		16QAM	12	12
10MHz		16QAM	50(註一)	50(註一)
15MHz		QPSK	75	75
15MHz		QPSK	16	16
15MHz		16QAM	16	16
15MHz		16QAM	75(註一)	75(註一)
20MHz		QPSK	100	100
20MHz		QPSK	18	18
20MHz		16QAM	18	18
20MHz		16QAM	100(註一)	100(註一)

註：
一、僅適用於用戶設備類別(UE-Categories) ≥2。
二、RB offset設定值及應檢項目之測試方法參考3GPP TS 36.521技術標準規定。

4.3 量測儀器

儀器名稱 (廠牌/製造商)	型號	序號	校正日期	下次校正日期
Radio Communication Analyzer Anritsu	MT8820C	6201010284	Dec. 28, 2020	Dec. 27, 2021

Note: The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.

4.4 測試配置



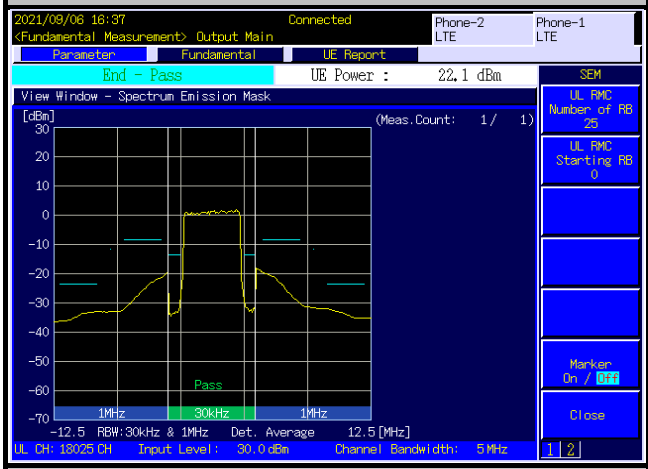
4.5 量測結果

操作模式	發射	測試者	張睿晉
量測場地溫度	26℃	量測場地濕度	65% RH

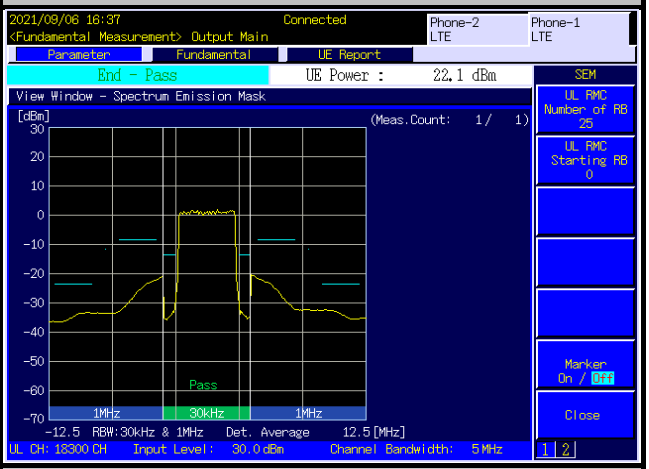
LTE Band 1

Bandwidth: 5 MHz / QPSK (25 RB / 0 RB Offset)

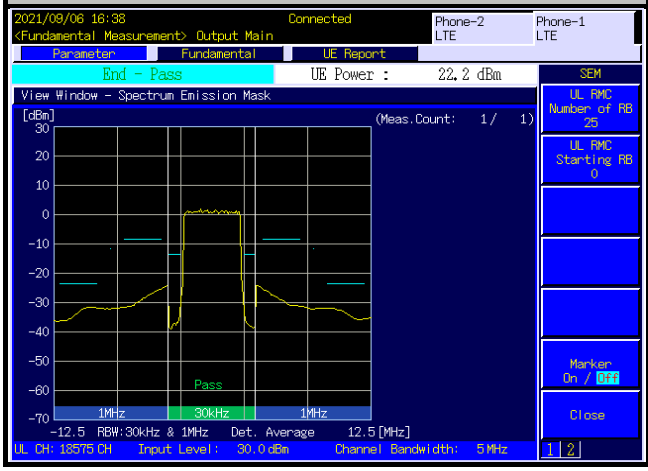
Ch18025



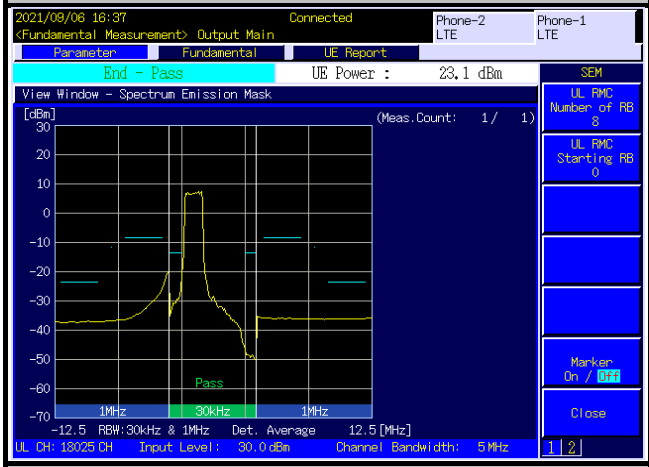
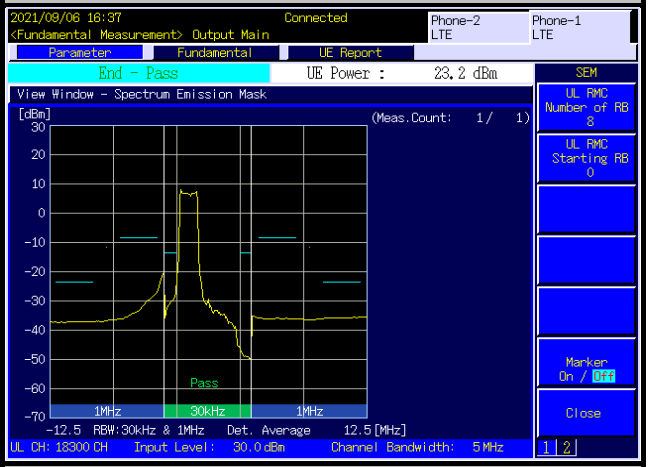
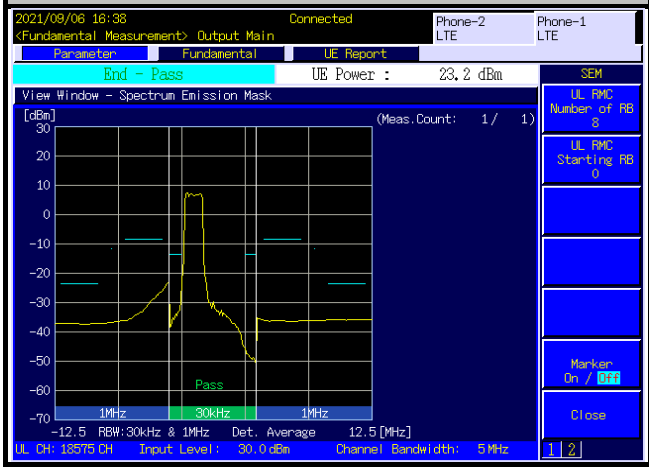
Ch18300



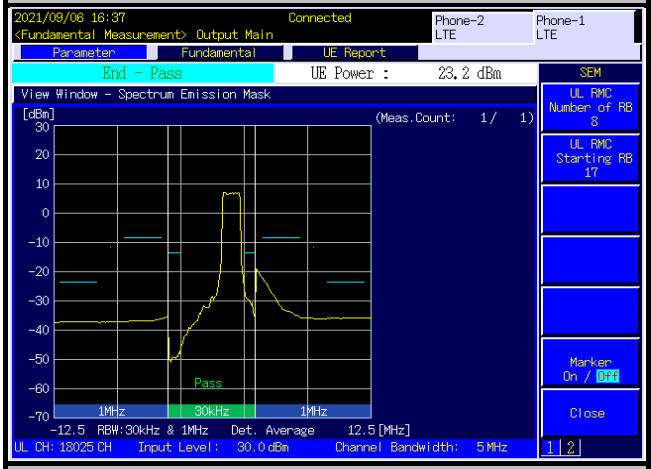
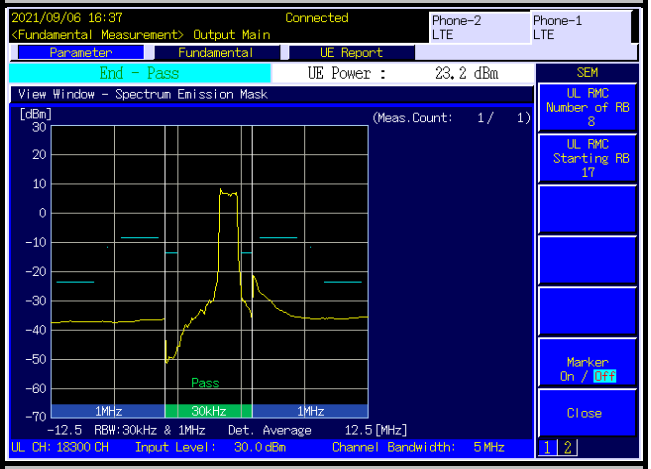
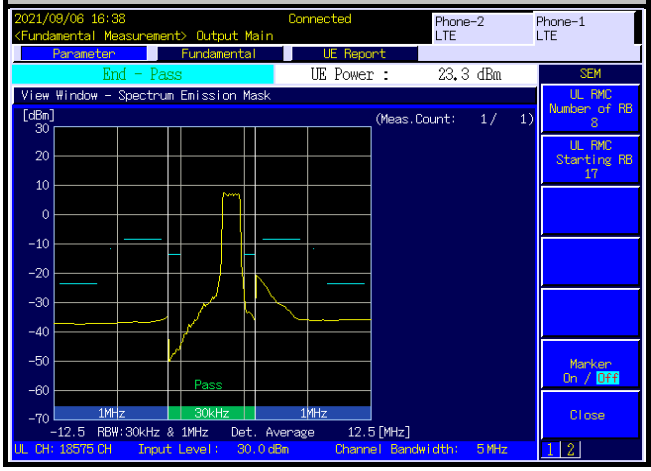
Ch18575



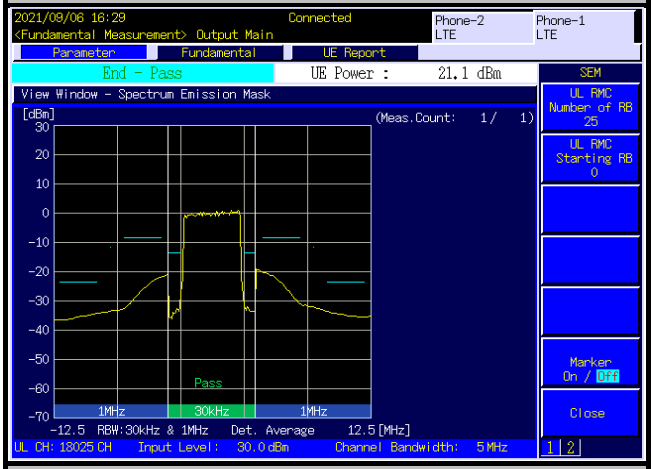
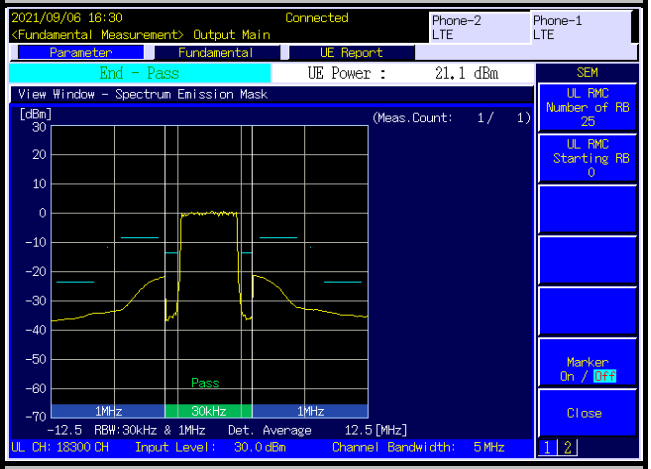
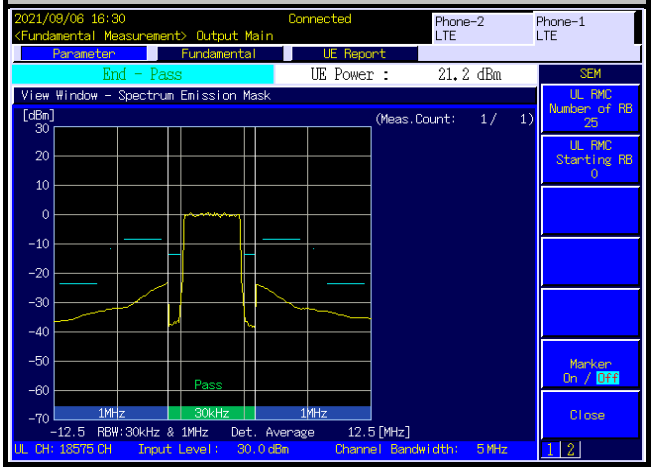
Bandwidth: 5 MHz / QPSK (8 RB / 0 RB Offset)

Ch18025	Ch18300
	
Ch18575	
	

Bandwidth: 5 MHz / QPSK (8 RB / 17 RB Offset)

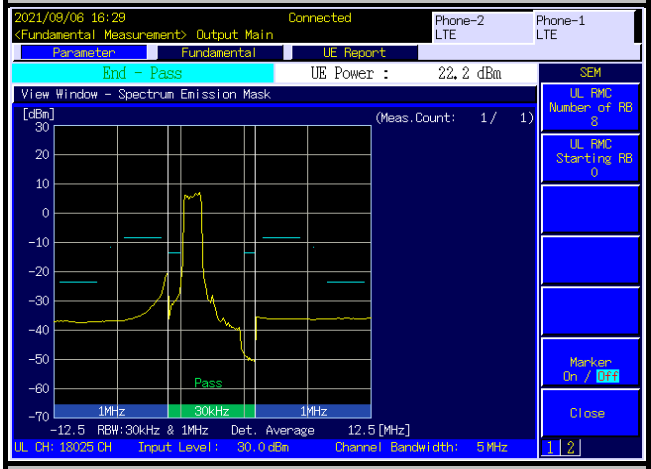
Ch18025	Ch18300
	
Ch18575	
	

Bandwidth: 5 MHz / 16QAM (25 RB / 0 RB Offset)

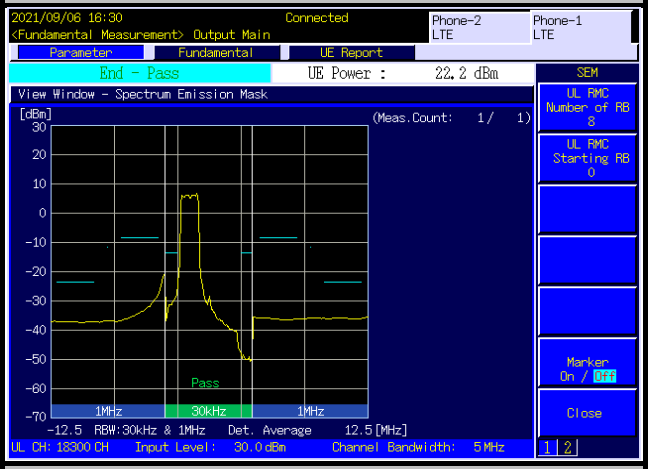
Ch18025	Ch18300
	
Ch18575	
	

Bandwidth: 5 MHz / 16QAM (8 RB / 0 RB Offset)

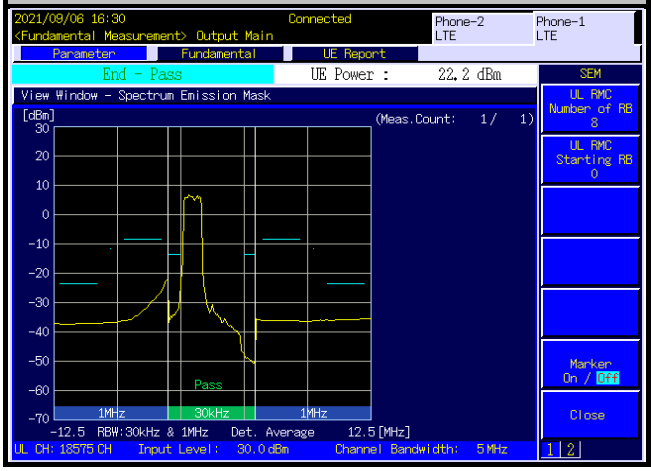
Ch18025



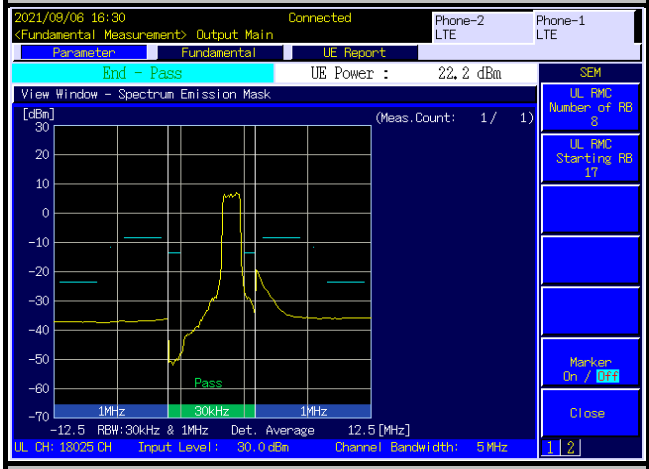
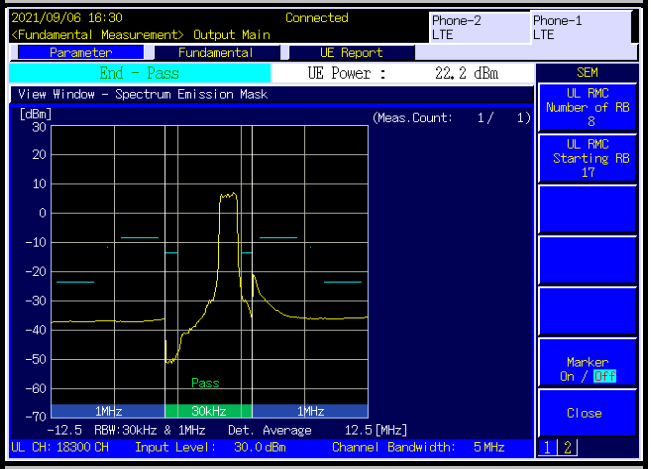
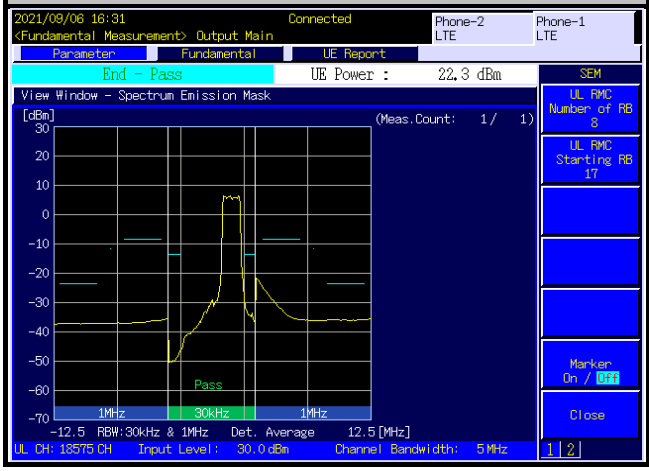
Ch18300



Ch18575

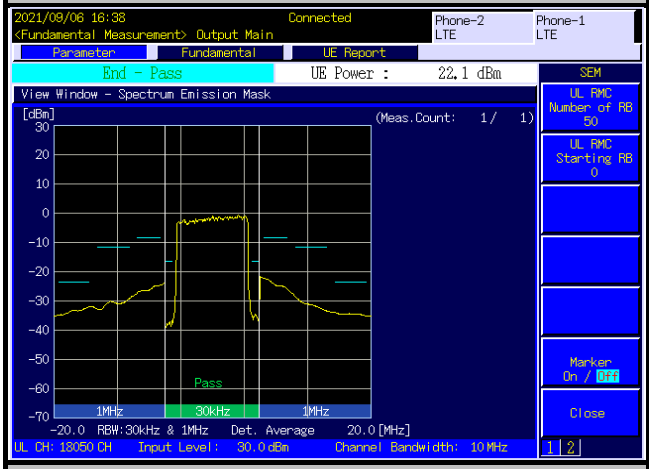


Bandwidth: 5 MHz / 16QAM (8 RB / 17 RB Offset)

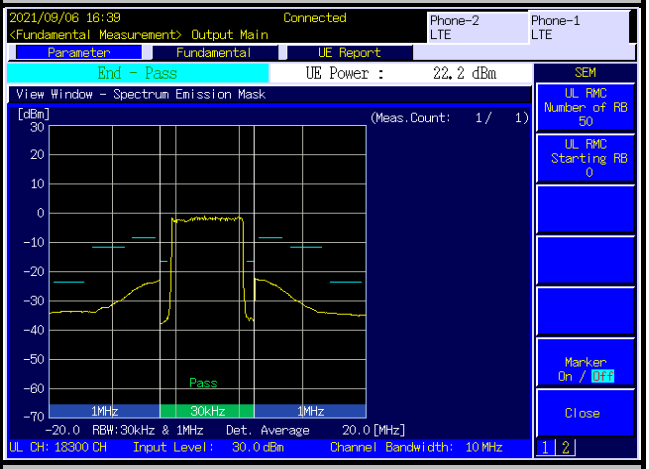
Ch18025	Ch18300
	
Ch18575	
	

Bandwidth: 10 MHz / QPSK (50 RB / 0 RB Offset)

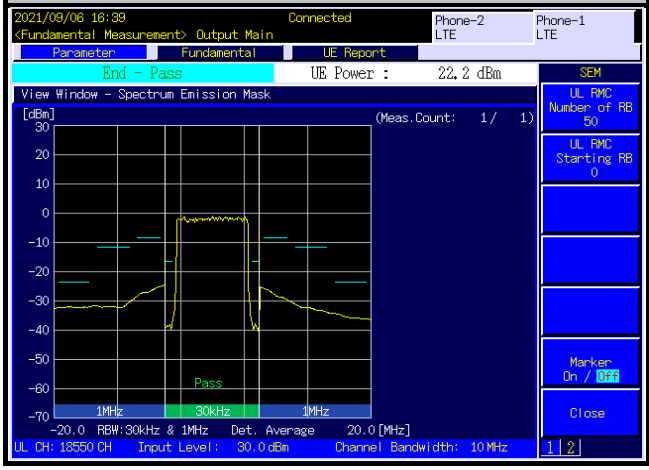
Ch18050



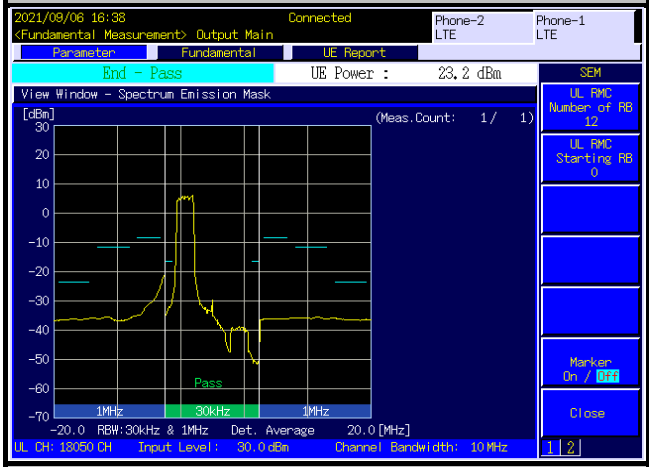
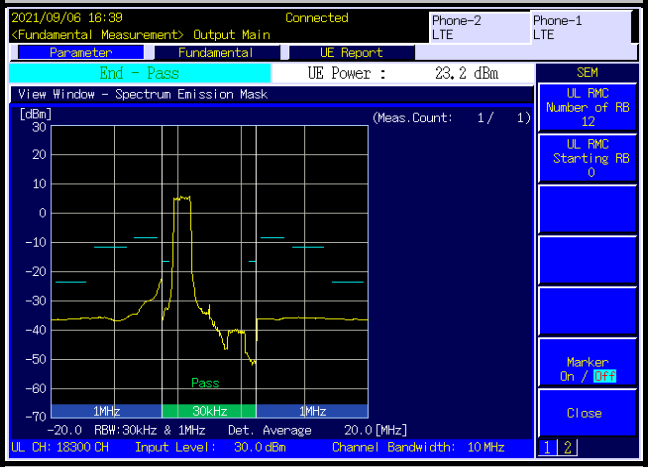
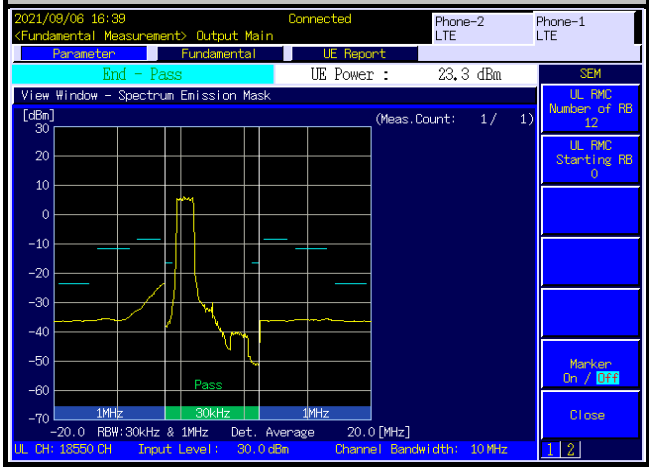
Ch18300



Ch18550

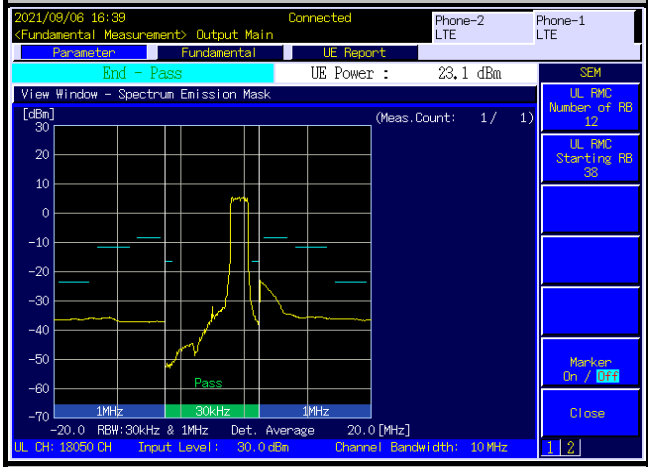


Bandwidth: 10 MHz / QPSK (12 RB / 0 RB Offset)

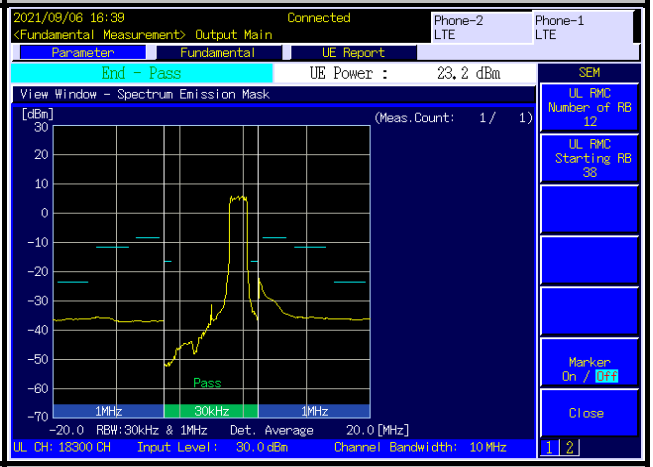
Ch18050	Ch18300
	
Ch18550	
	

Bandwidth: 10 MHz / QPSK (12 RB / 38 RB Offset)

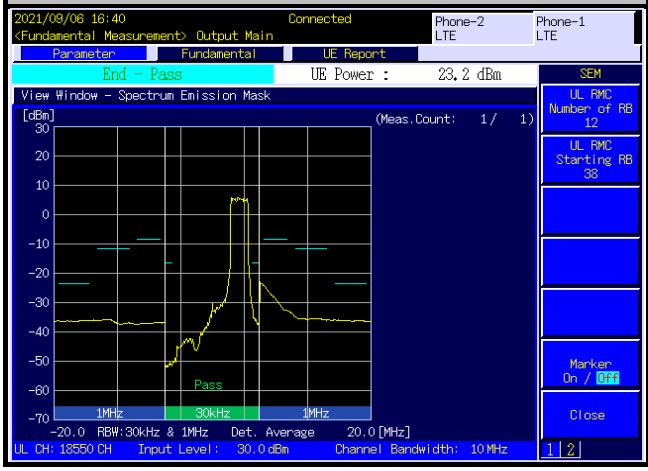
Ch18050



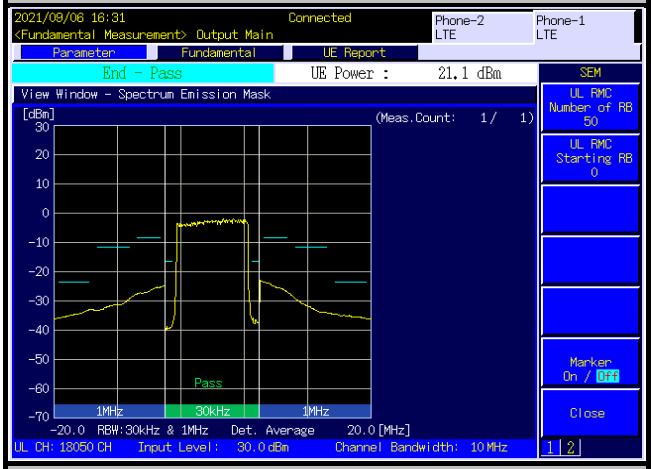
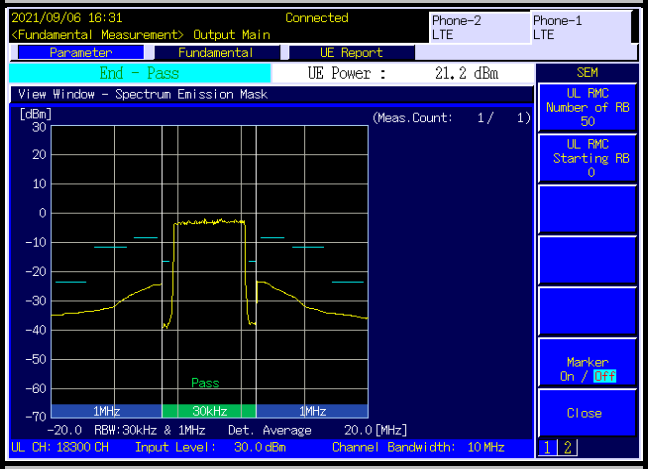
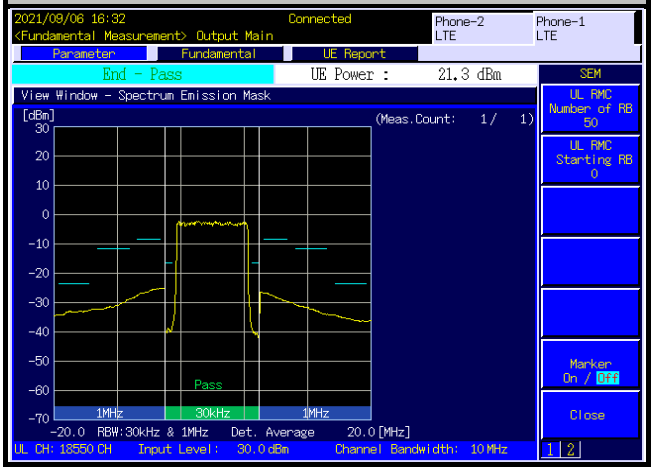
Ch18300



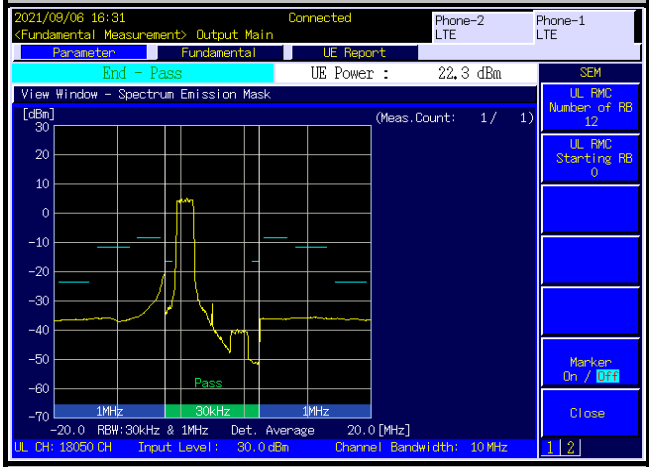
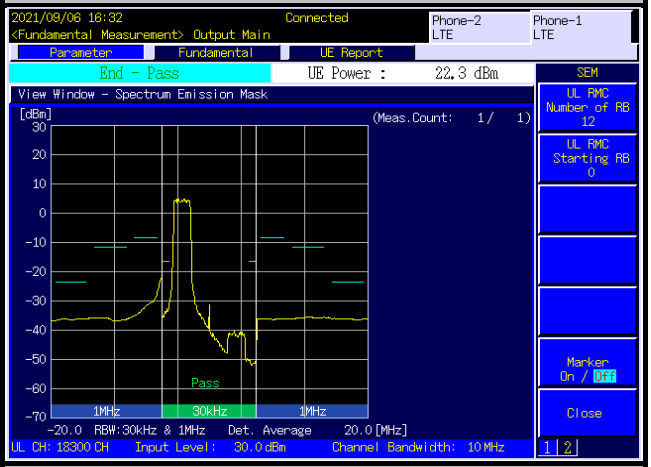
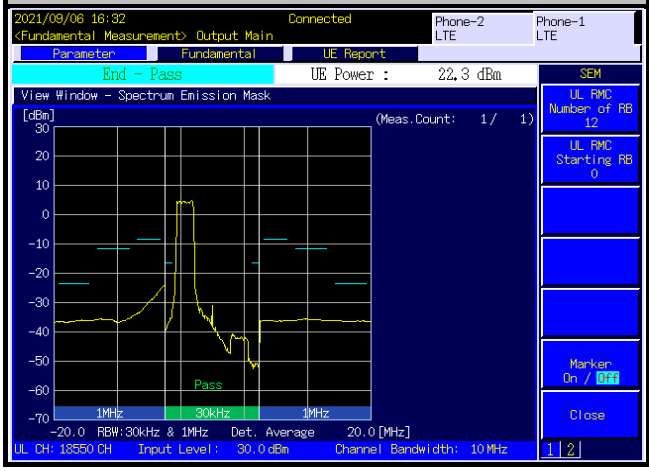
Ch18550



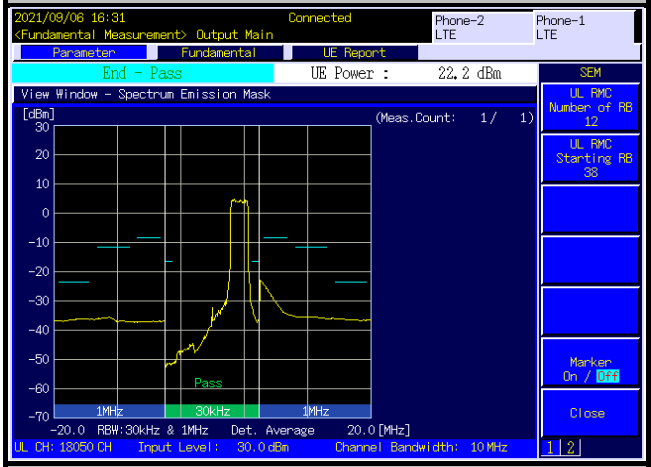
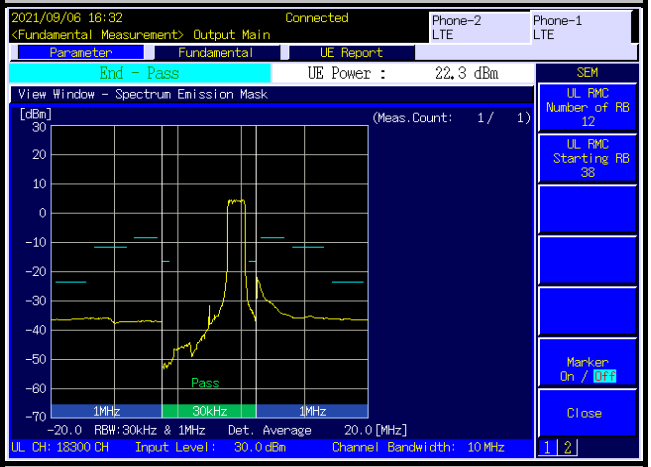
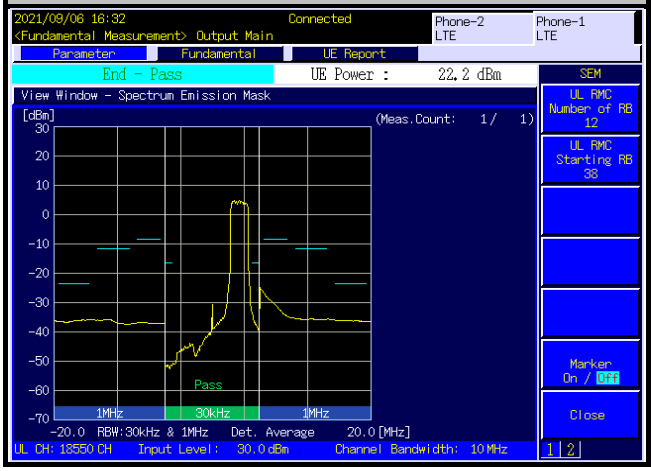
Bandwidth: 10 MHz / 16QAM (50 RB / 0 RB Offset)

Ch18050	Ch18300
	
Ch18550	
	

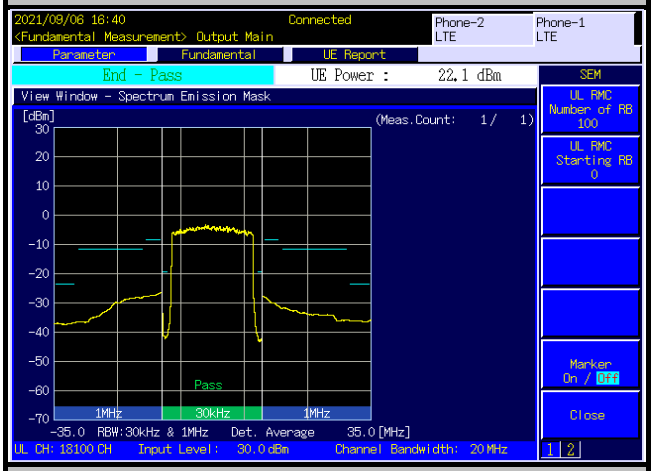
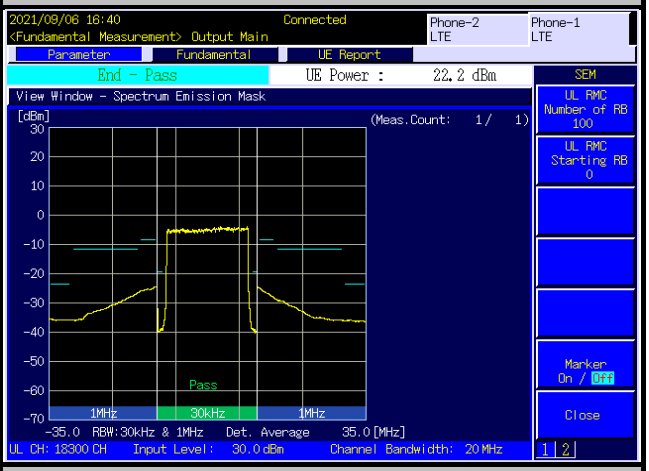
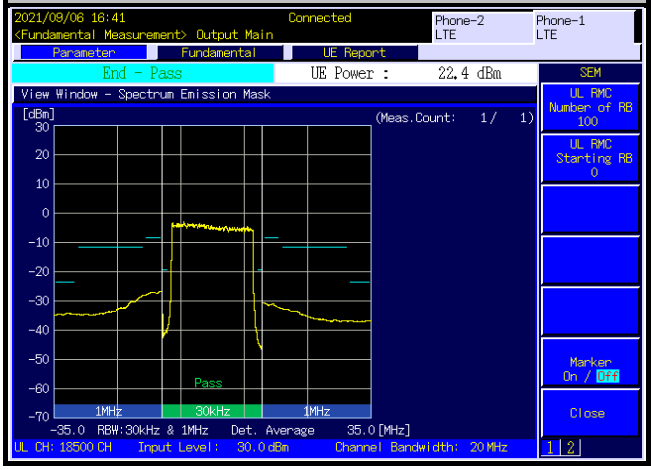
Bandwidth: 10 MHz / 16QAM (12 RB / 0 RB Offset)

Ch18050	Ch18300
	
Ch18550	
	

Bandwidth: 10 MHz / 16QAM (12 RB / 38 RB Offset)

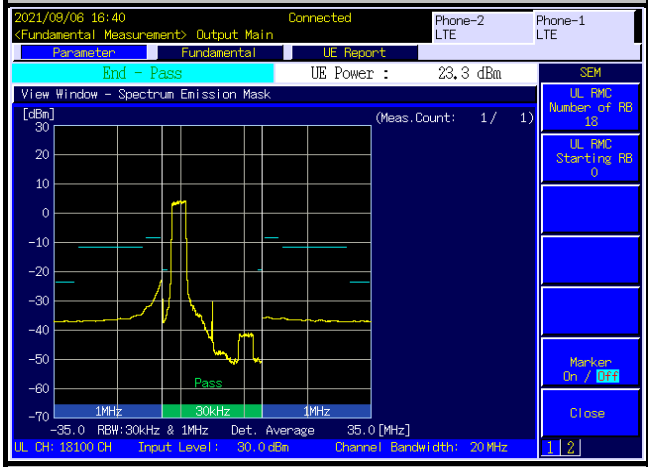
Ch18050	Ch18300
	
Ch18550	
	

Bandwidth: 20 MHz / QPSK (100 RB / 0 RB Offset)

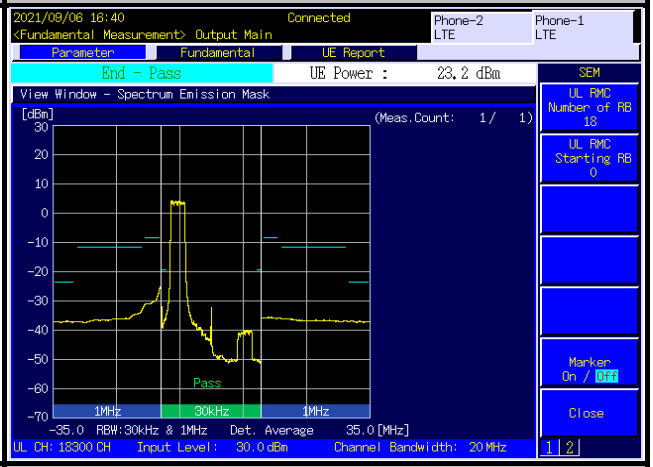
Ch18100	Ch18300
	
Ch18500	
	

Bandwidth: 20 MHz / QPSK (18 RB / 0 RB Offset)

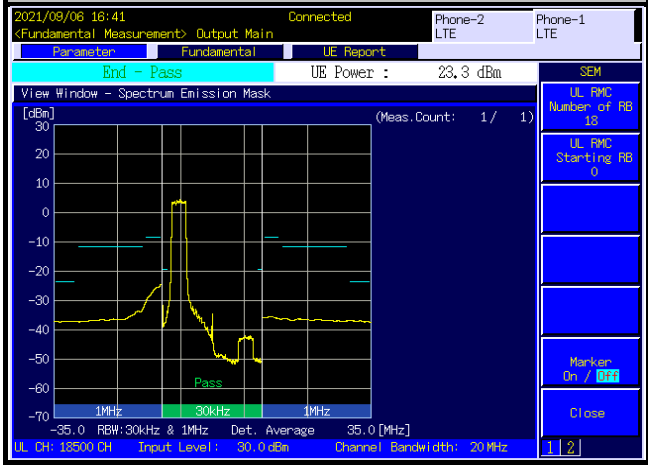
Ch18100



Ch18300

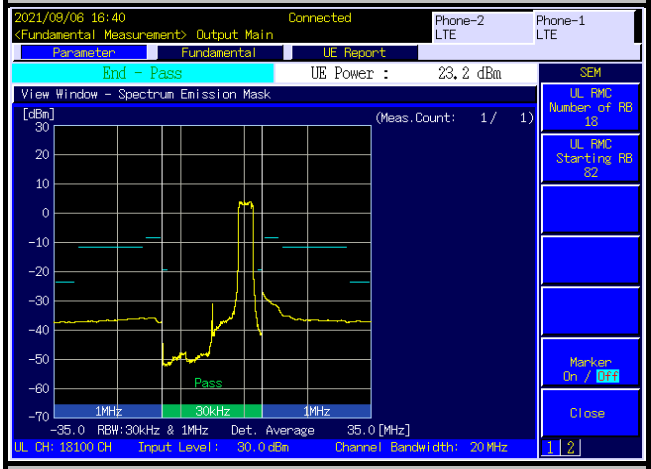


Ch18500

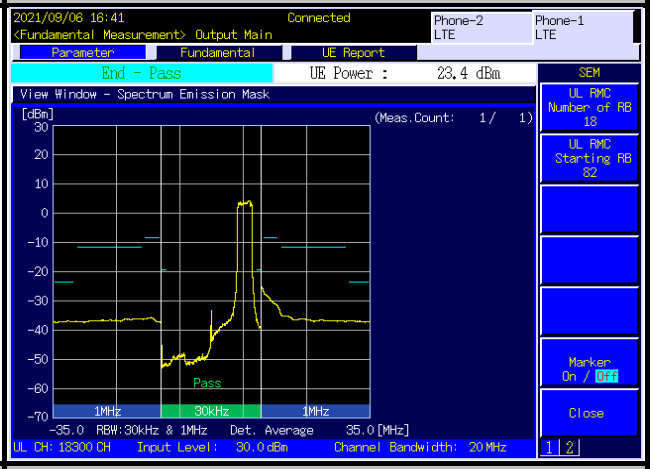


Bandwidth: 20 MHz / QPSK (18 RB / 82 RB Offset)

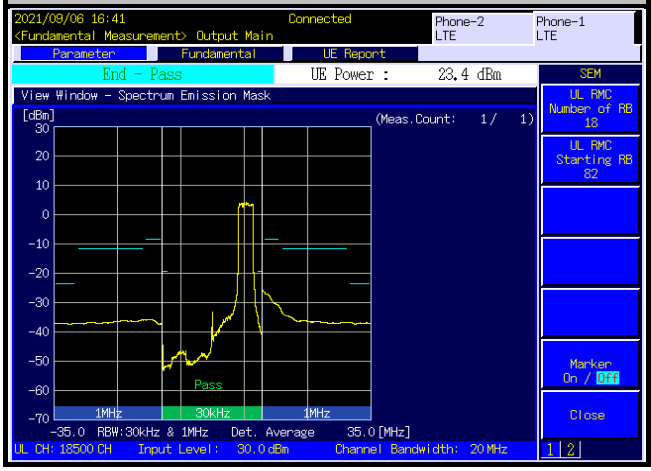
Ch18100



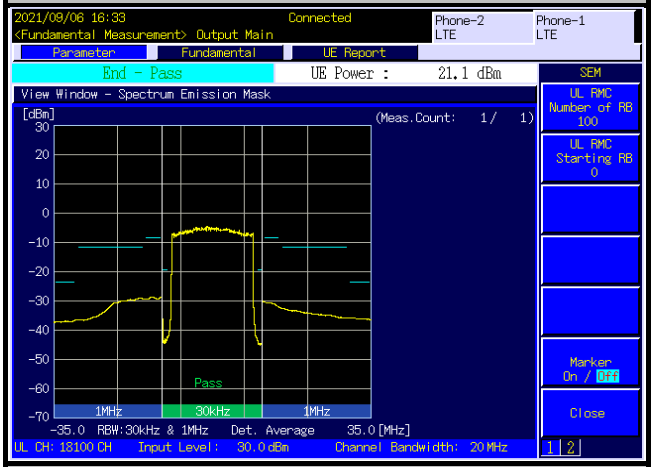
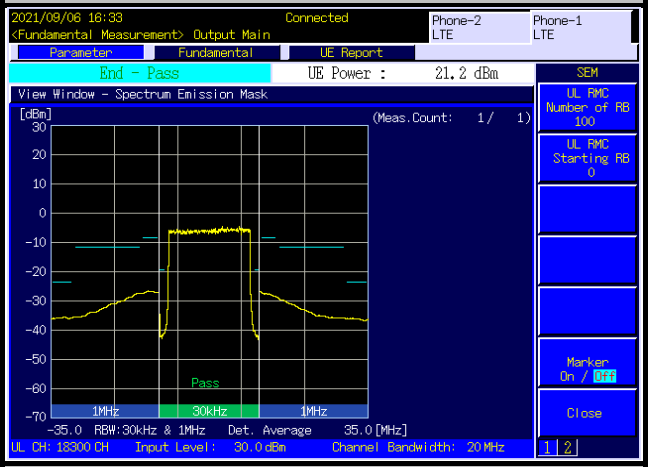
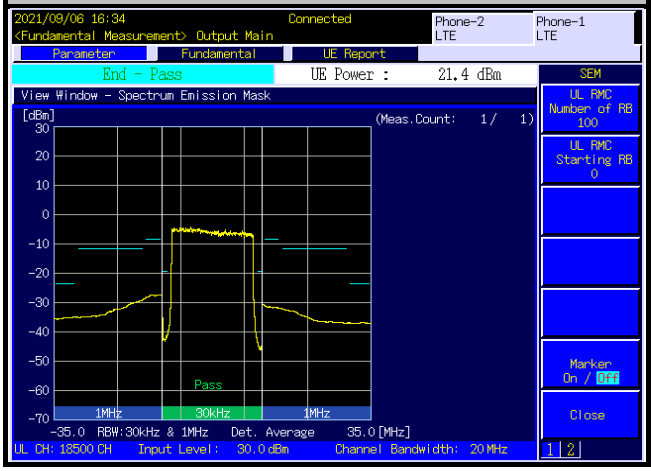
Ch18300



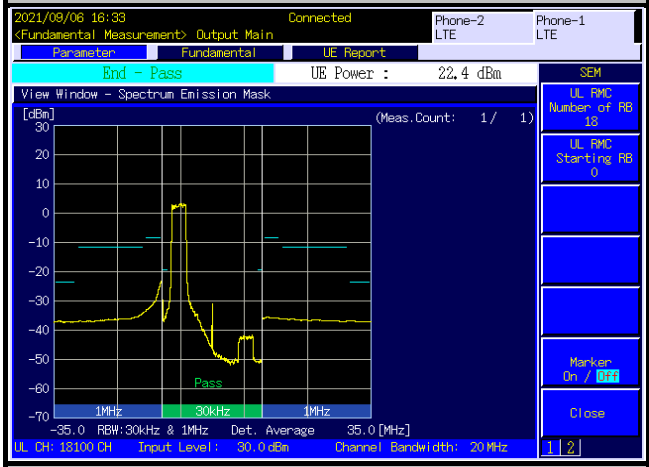
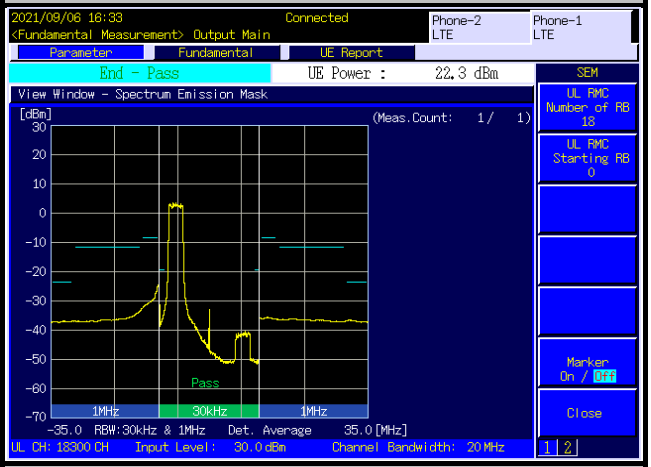
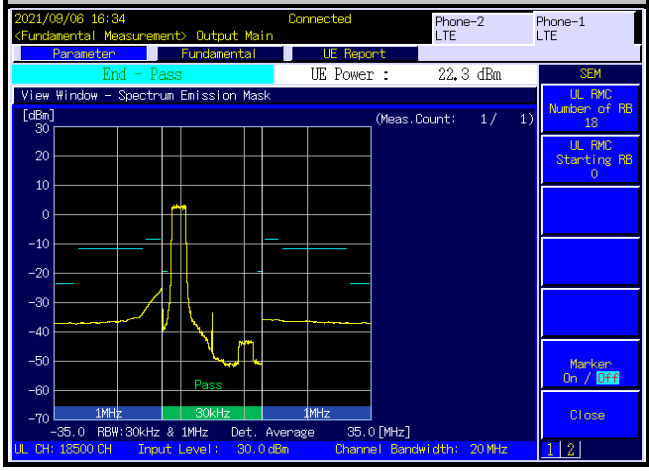
Ch18500



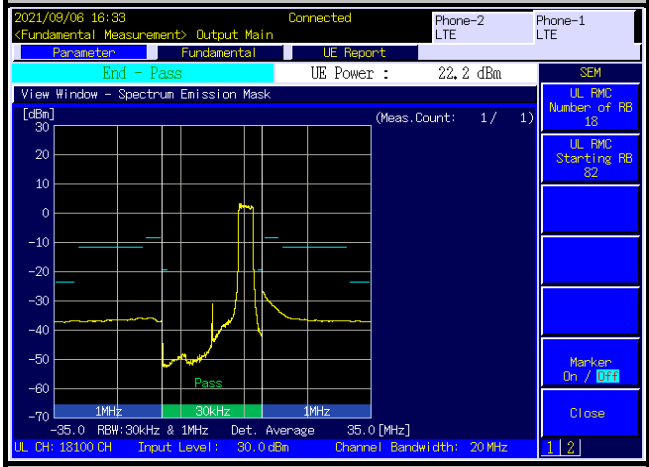
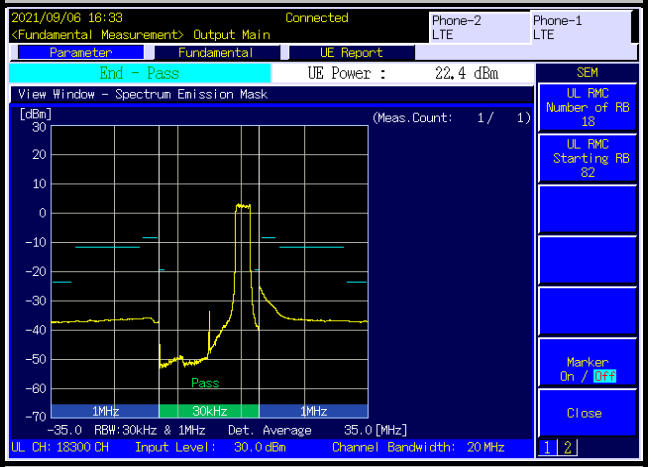
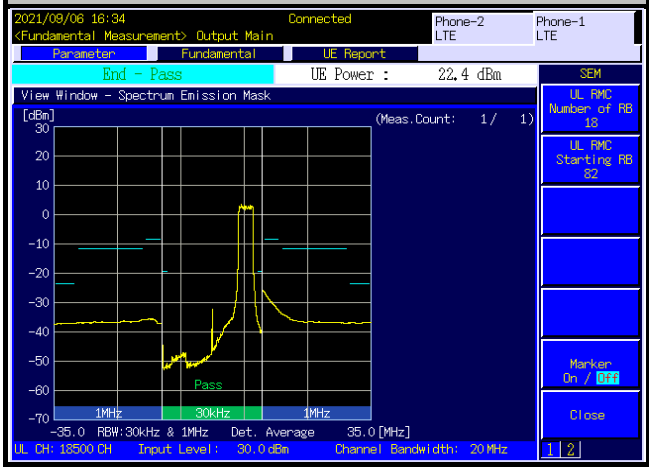
Bandwidth: 20 MHz / 16QAM (100 RB / 0 RB Offset)

Ch18100	Ch18300
	
Ch18500	
	

Bandwidth: 20 MHz / 16QAM (18 RB / 0 RB Offset)

Ch18100	Ch18300
	
Ch18500	
	

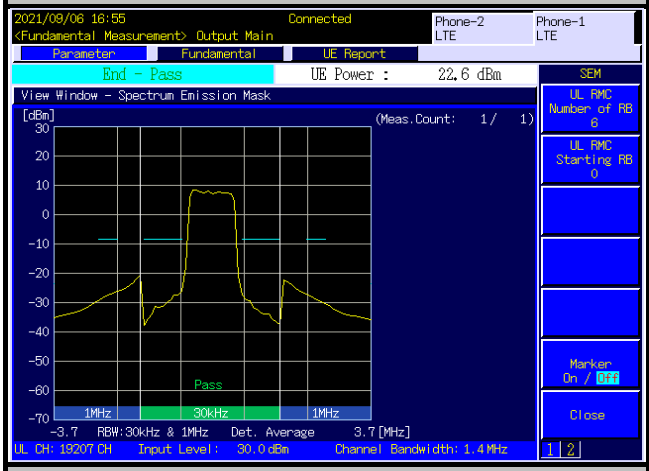
Bandwidth: 20 MHz / 16QAM (18 RB / 82 RB Offset)

Ch18100	Ch18300
	
Ch18500	
	

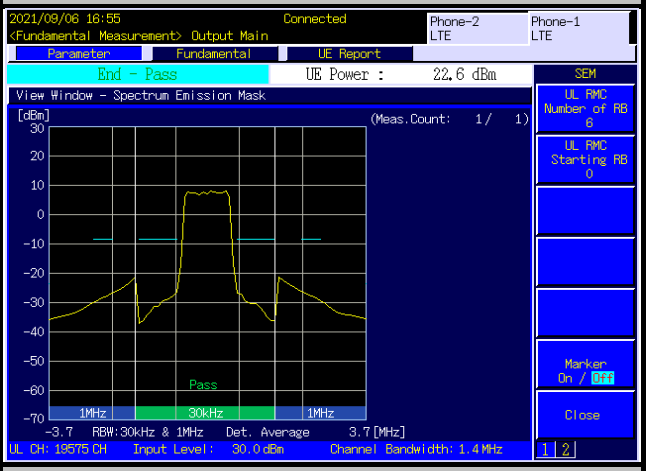
LTE Band 3

Bandwidth: 1.4 MHz / QPSK (6 RB / 0 RB Offset)

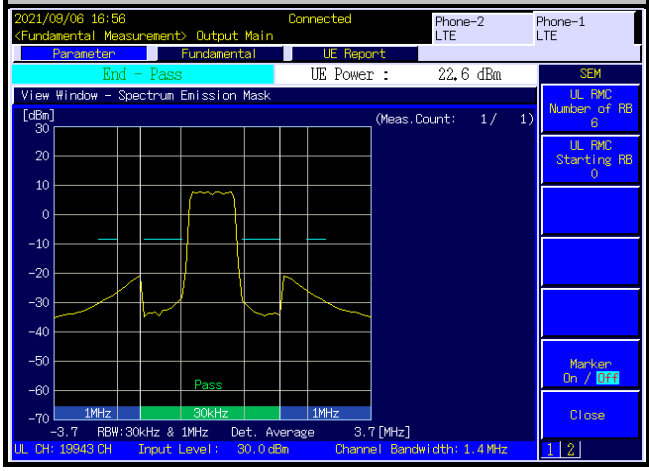
Ch19207



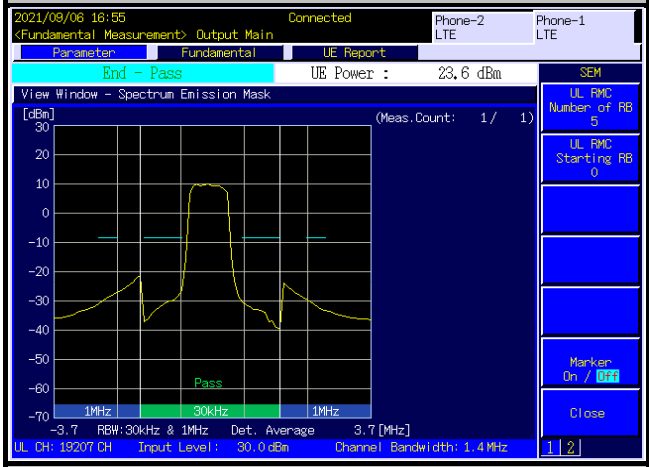
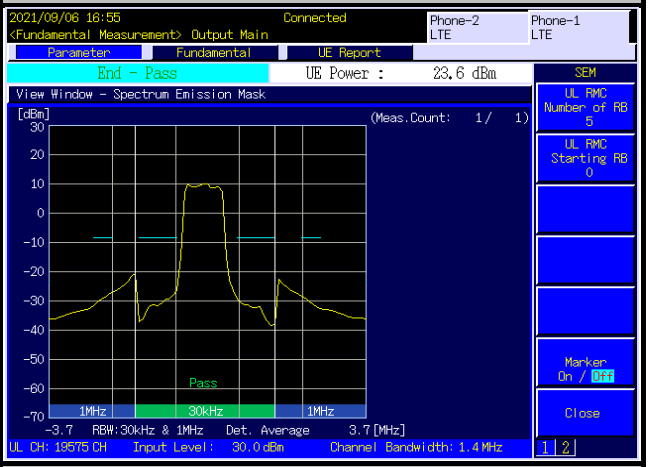
Ch19575

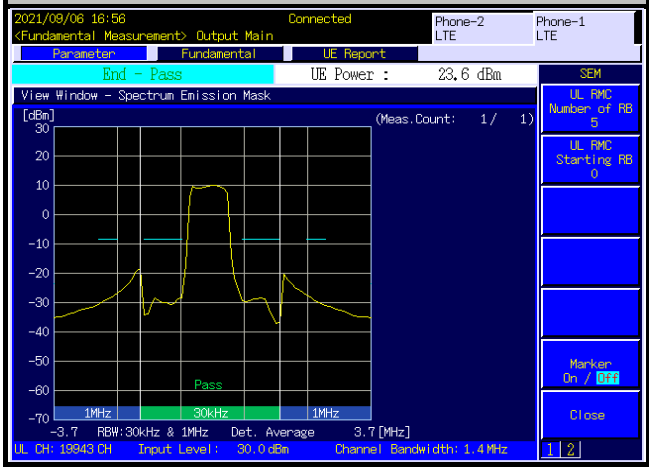


Ch19943

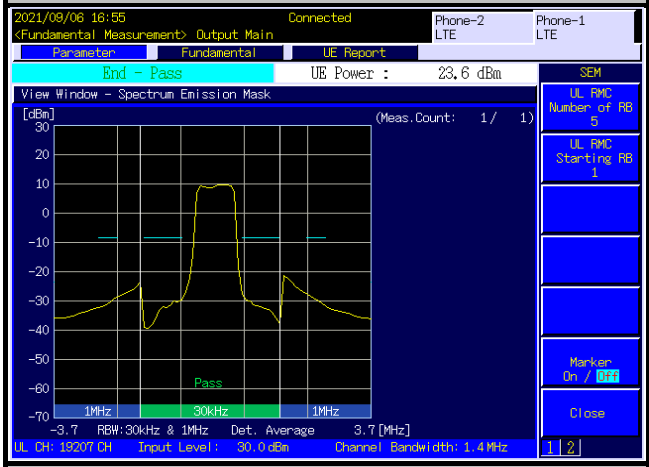
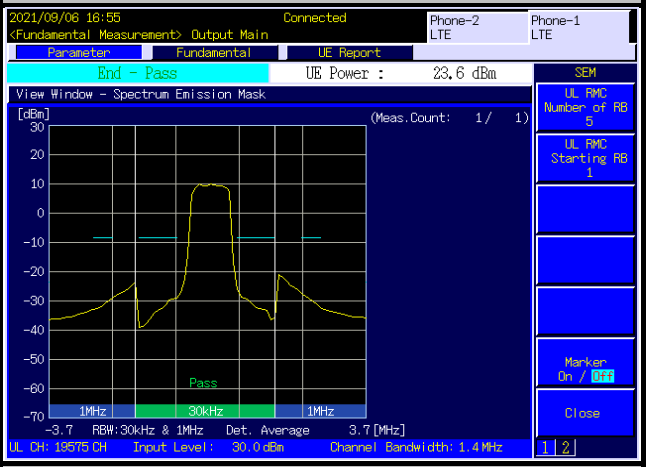
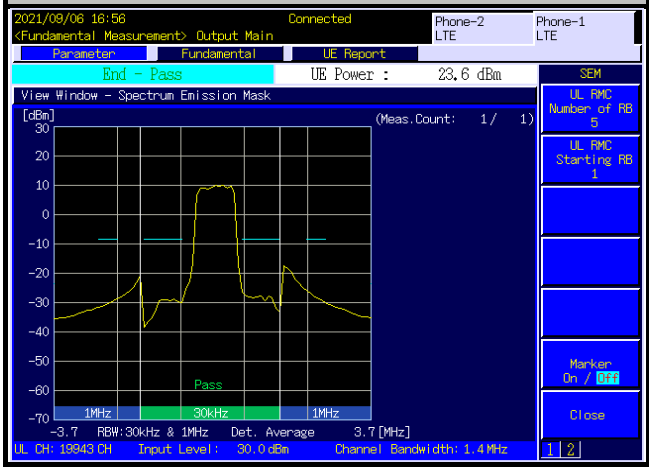


Bandwidth: 1.4 MHz / QPSK (5 RB / 0 RB Offset)

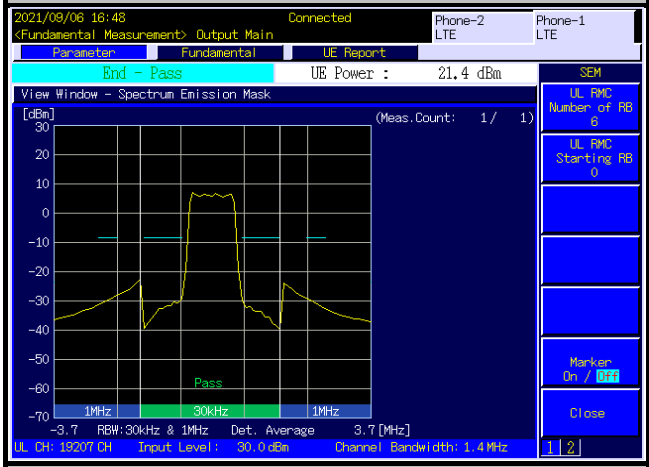
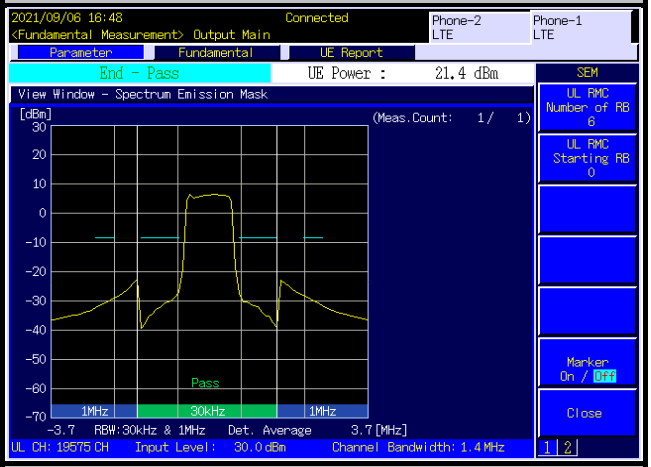
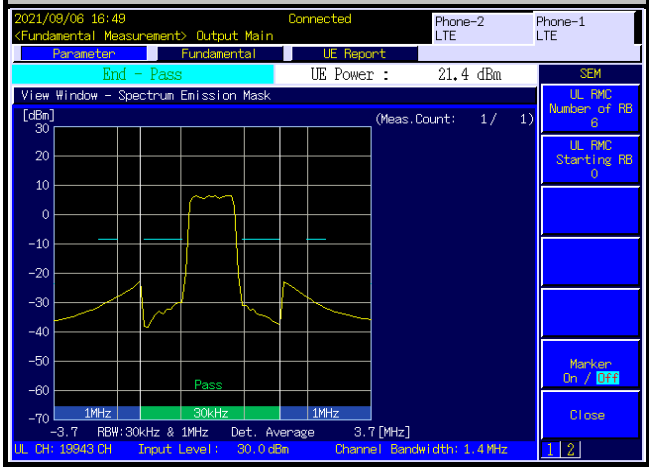
Ch19207	Ch19575
	

Ch19943	
	

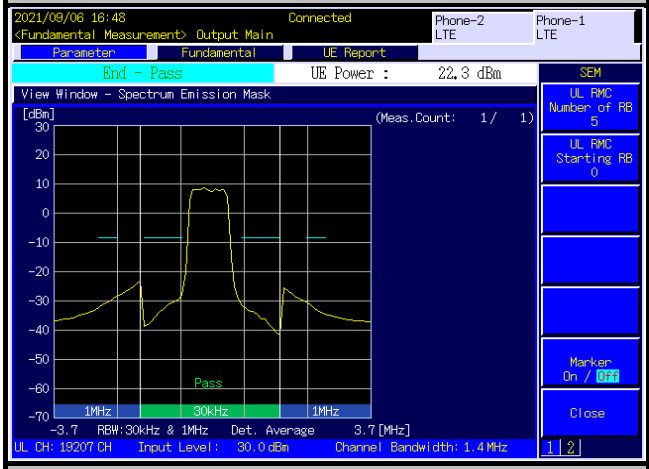
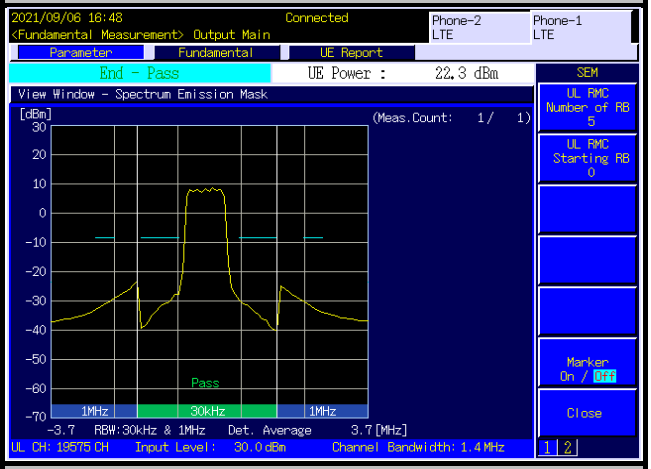
Bandwidth: 1.4 MHz / QPSK (5 RB / 1 RB Offset)

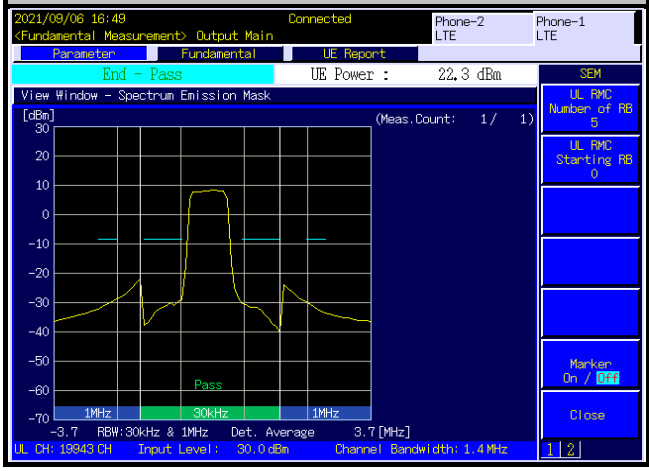
Ch19207	Ch19575
	
Ch19943	
	

Bandwidth: 1.4 MHz / 16QAM (6 RB / 0RB Offset)

Ch19207	Ch19575
	
Ch19943	
	

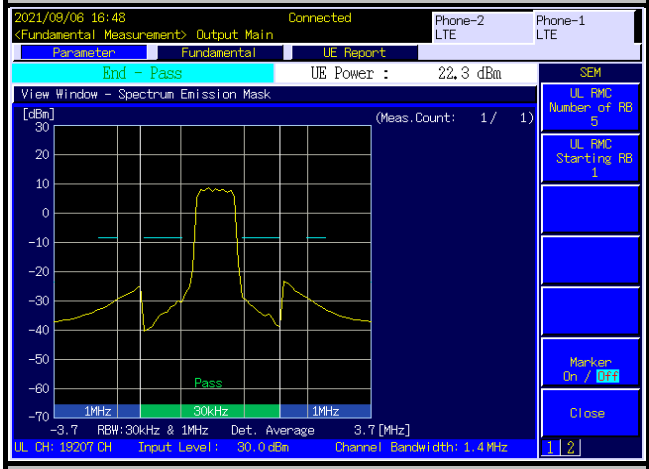
Bandwidth: 1.4 MHz / 16QAM (5 RB / 0 RB Offset)

Ch19207	Ch19575
	

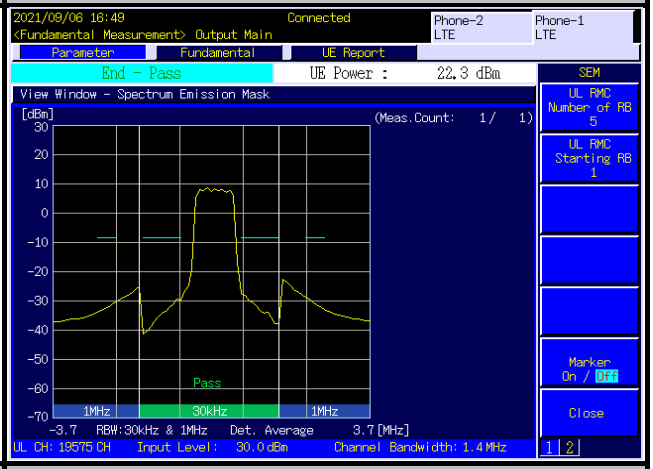
Ch19943	
	

Bandwidth: 1.4 MHz / 16QAM (5 RB / 1 RB Offset)

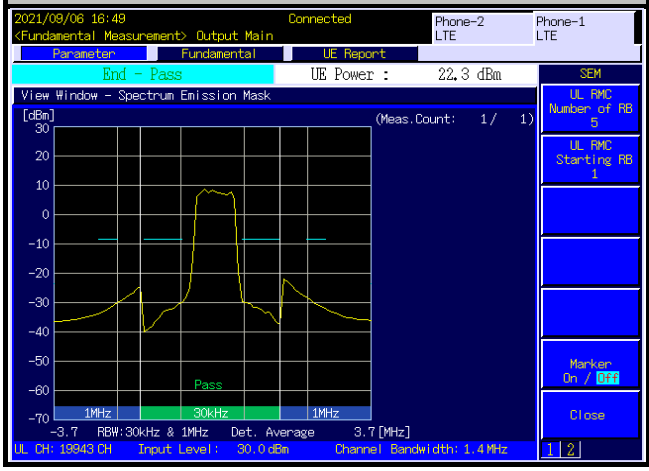
Ch19207



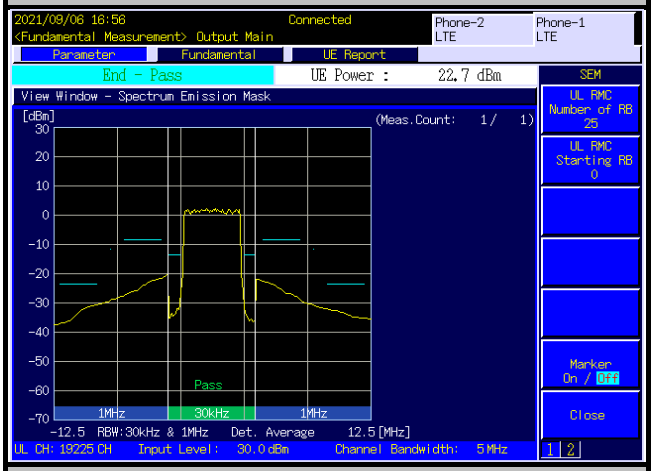
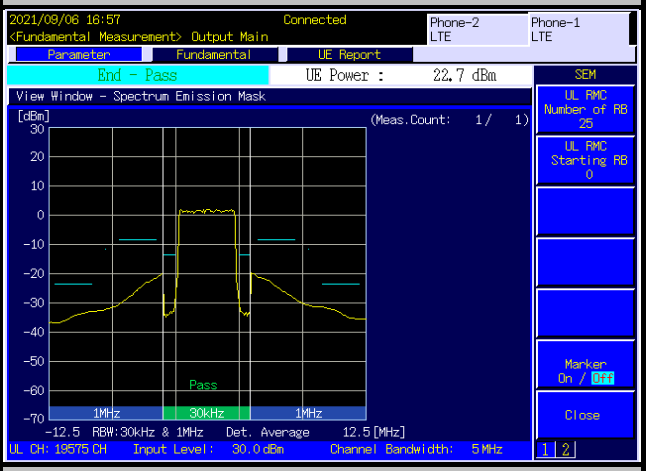
Ch19575

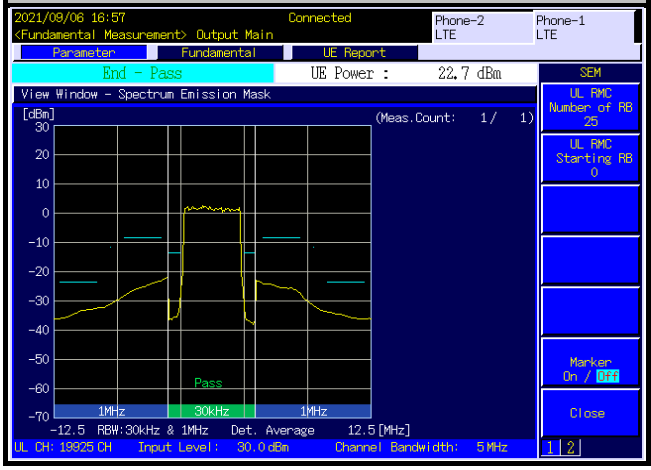


Ch19943

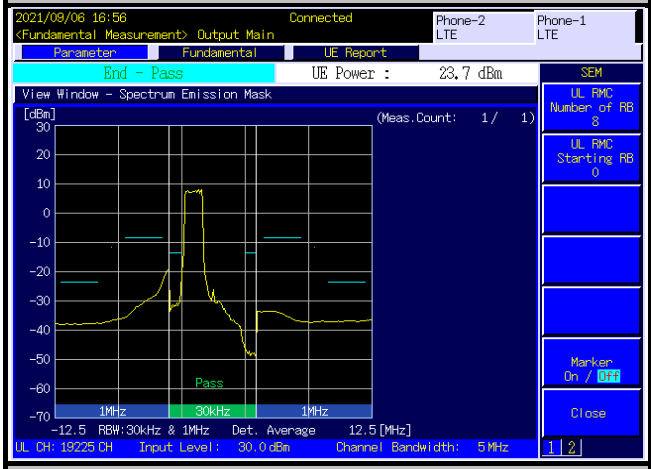
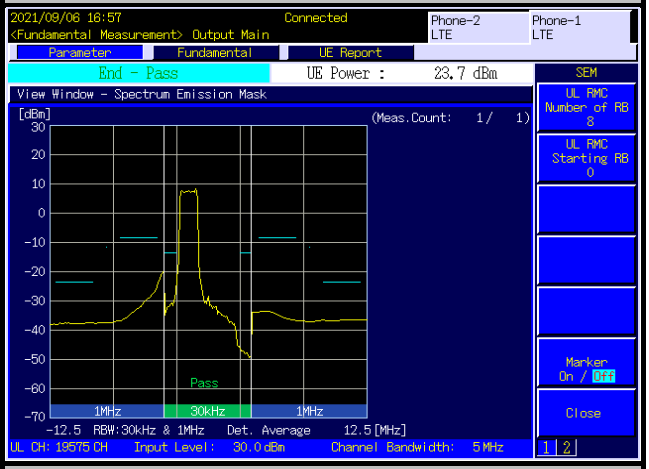
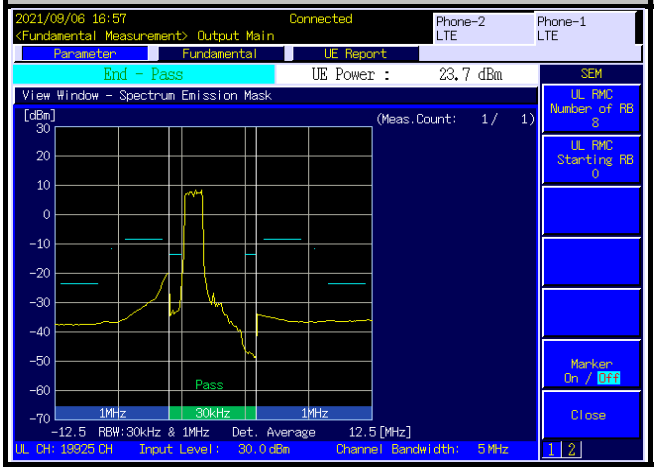


Bandwidth: 5 MHz / QPSK (25 RB / 0 RB Offset)

Ch19225	Ch19575
	

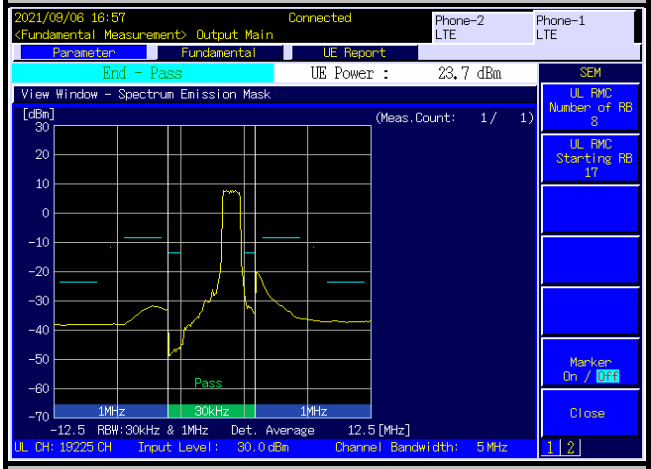
Ch19925	
	

Bandwidth: 5 MHz / QPSK (8 RB / 0 RB Offset)

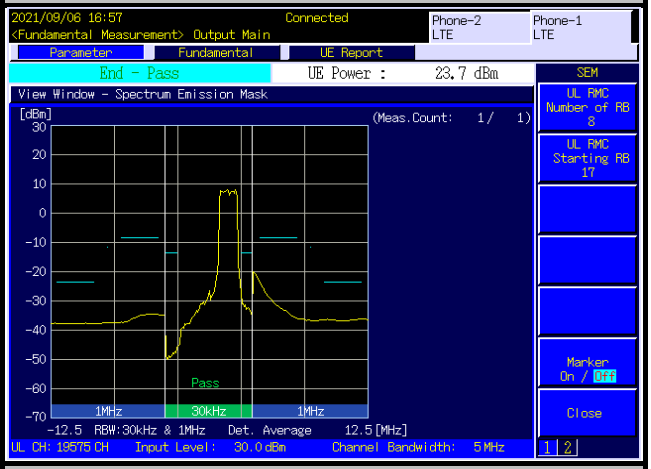
Ch19225	Ch19575
	
Ch19925	
	

Bandwidth: 5 MHz / QPSK (8 RB / 17 RB Offset)

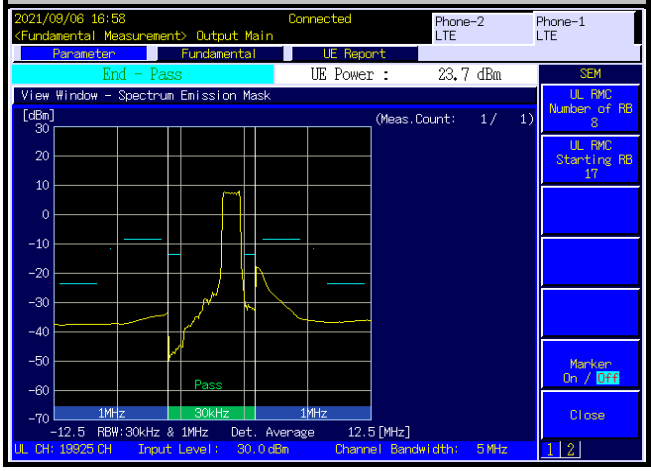
Ch19225



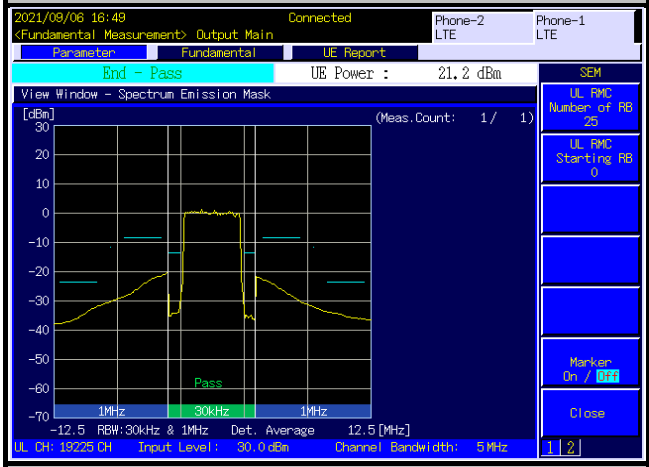
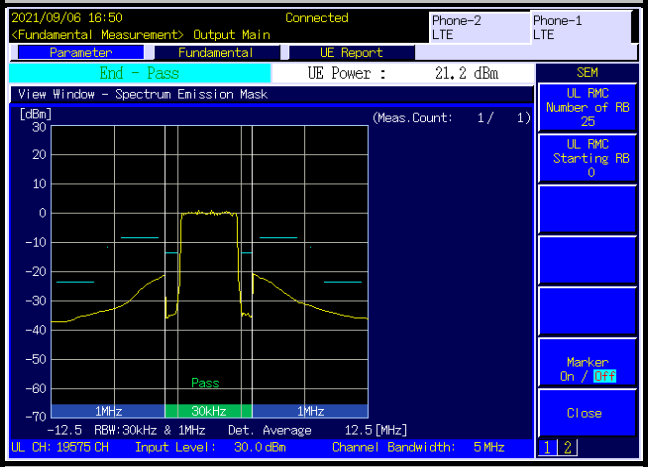
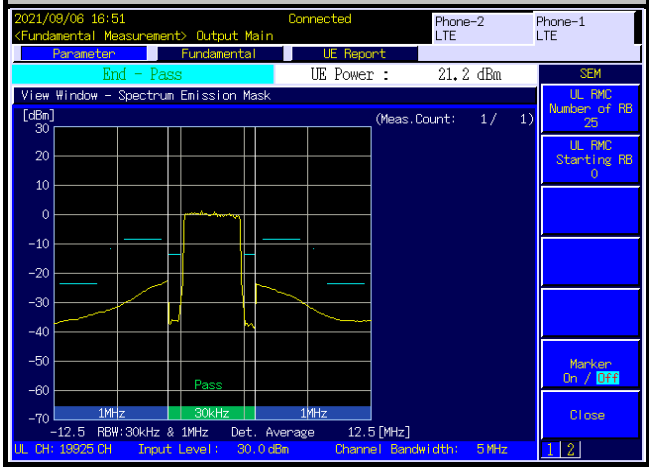
Ch19575



Ch19925

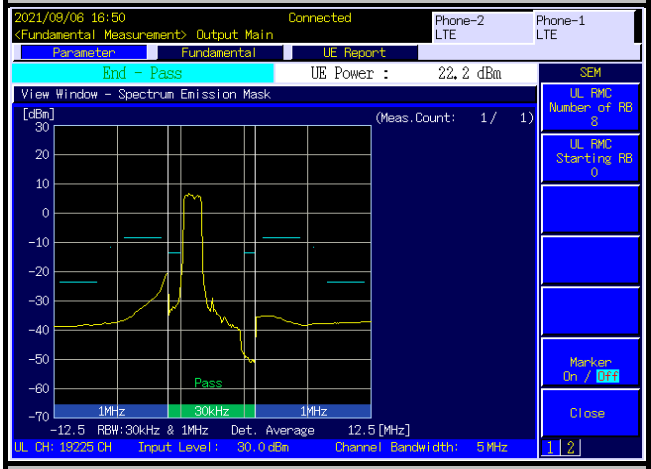


Bandwidth: 5 MHz / 16QAM (25 RB / 0 RB Offset)

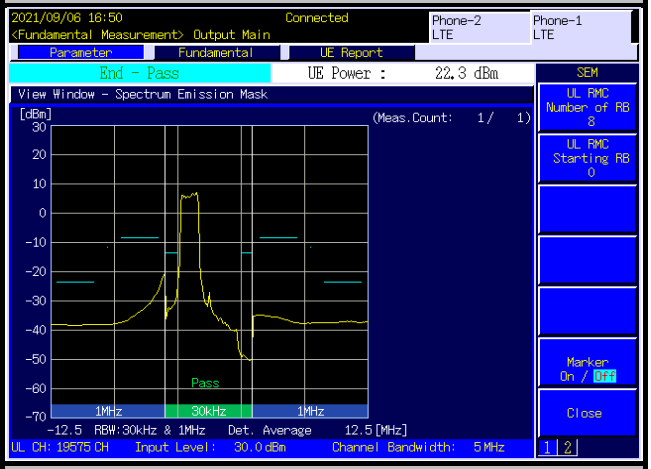
Ch19225	Ch19575
	
Ch19925	
	

Bandwidth: 5 MHz / 16QAM (8 RB / 0 RB Offset)

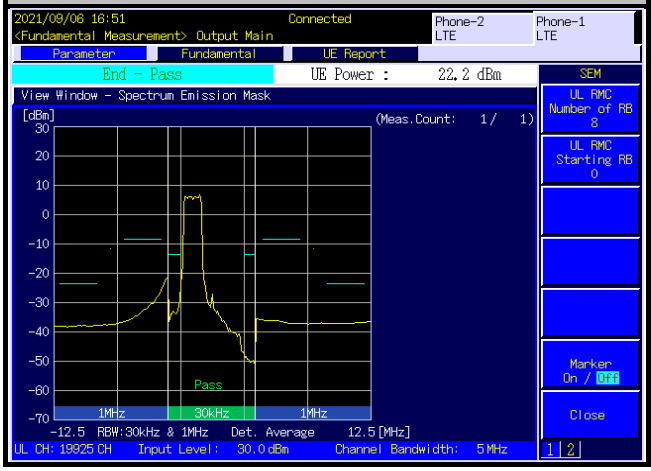
Ch19225



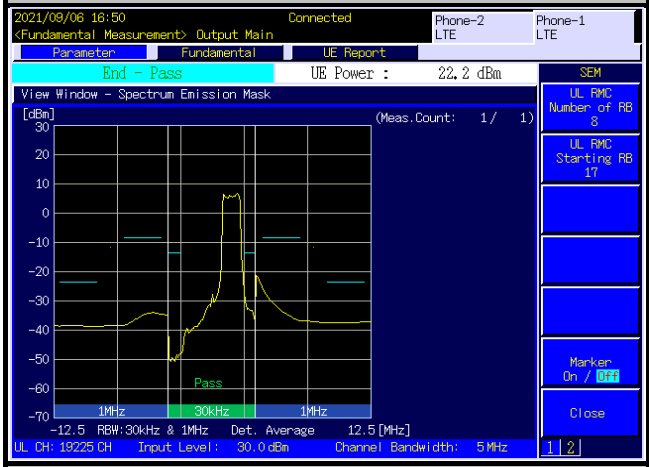
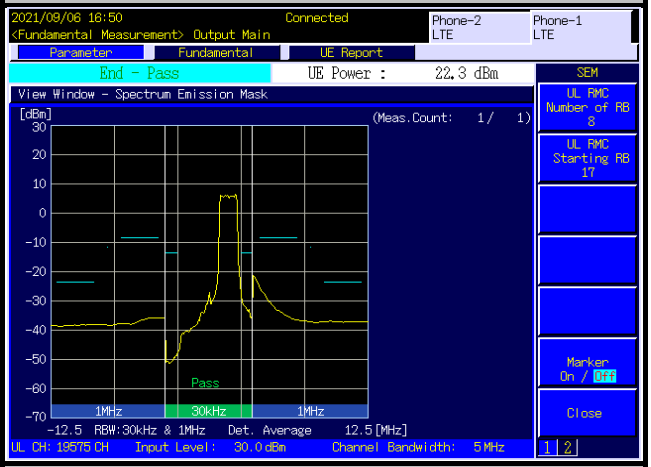
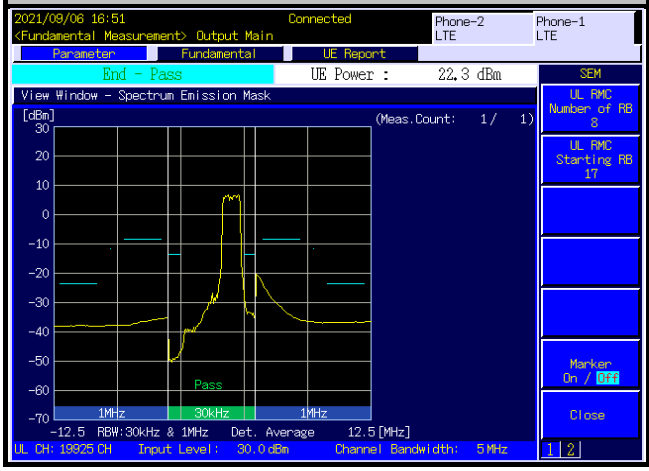
Ch19575



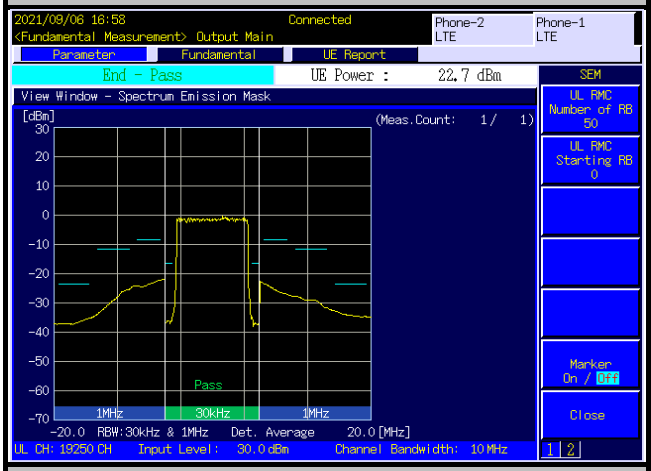
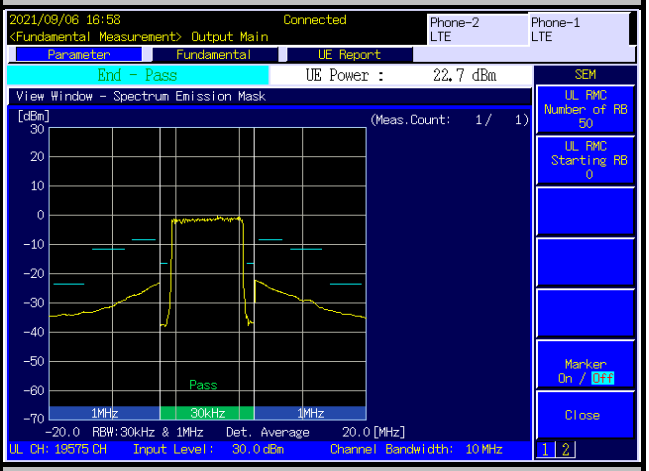
Ch19925

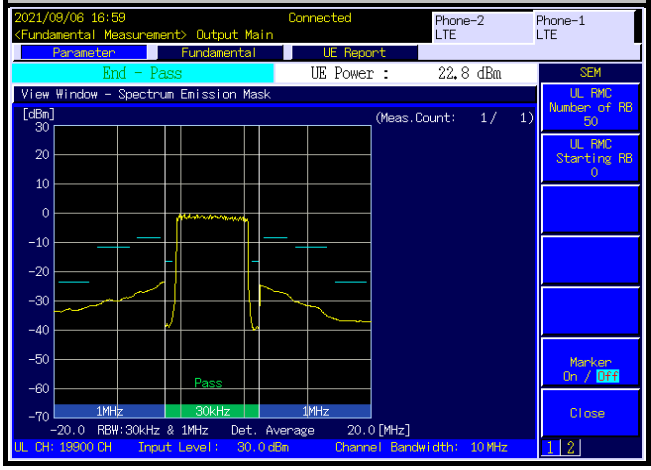


Bandwidth: 5 MHz / 16QAM (8 RB / 17 RB Offset)

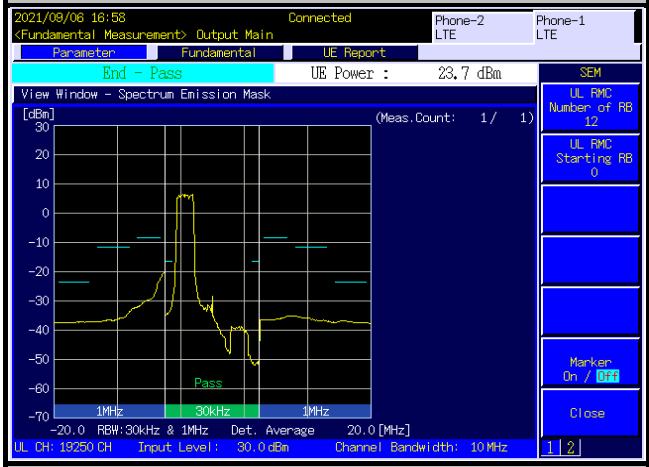
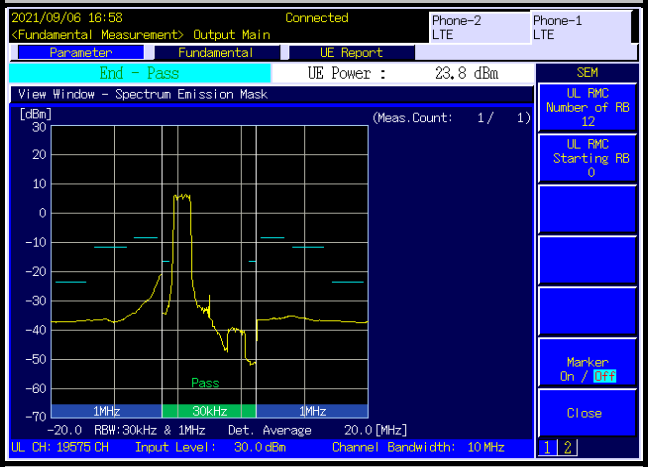
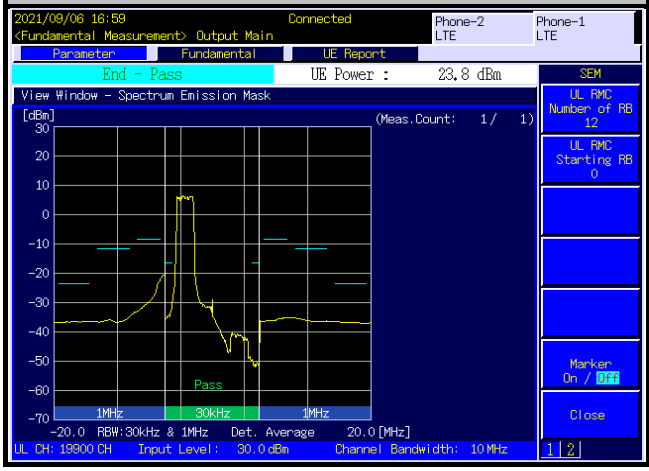
Ch19225	Ch19575
	
Ch19925	
	

Bandwidth: 10 MHz / QPSK (50 RB / 0 RB Offset)

Ch19250	Ch19575
	

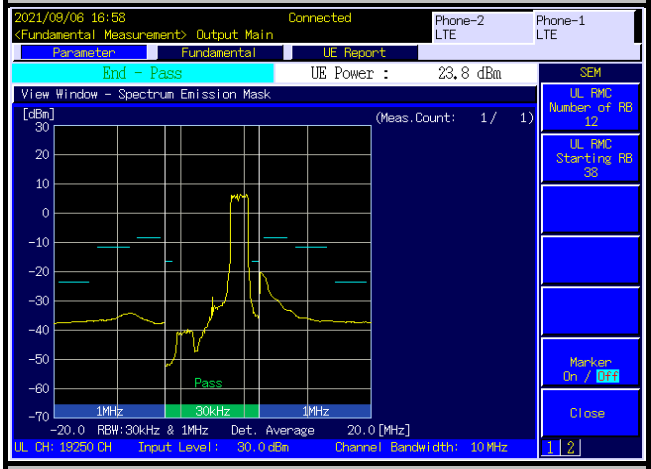
Ch19900	
	

Bandwidth: 10 MHz / QPSK (12 RB / 0 RB Offset)

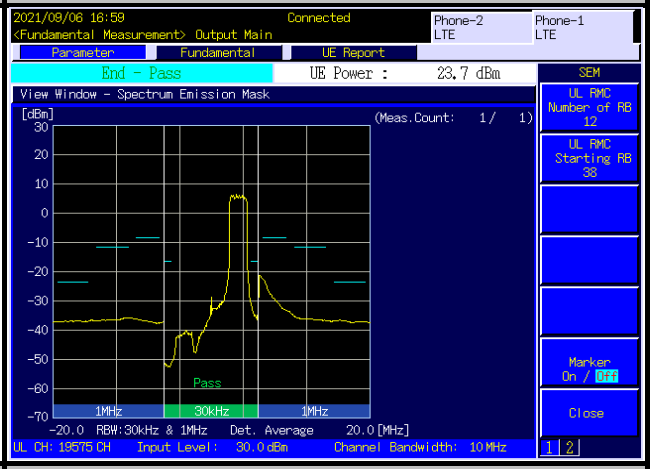
Ch19250	Ch19575
	
Ch19900	
	

Bandwidth: 10 MHz / QPSK (12 RB / 38 RB Offset)

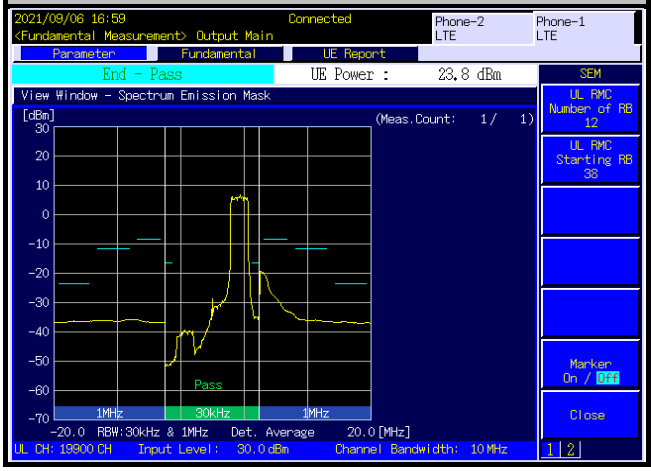
Ch19250



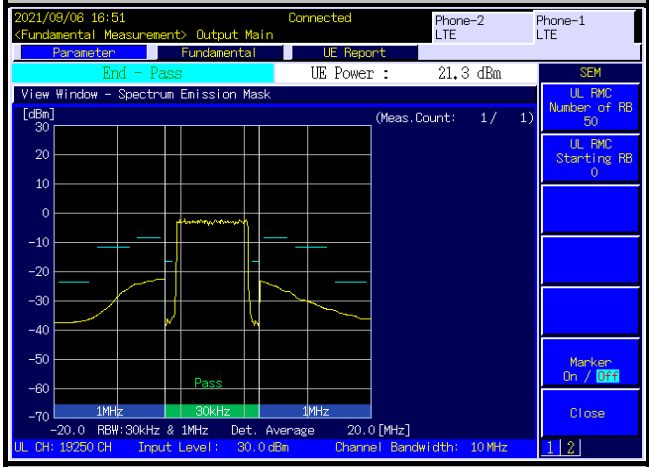
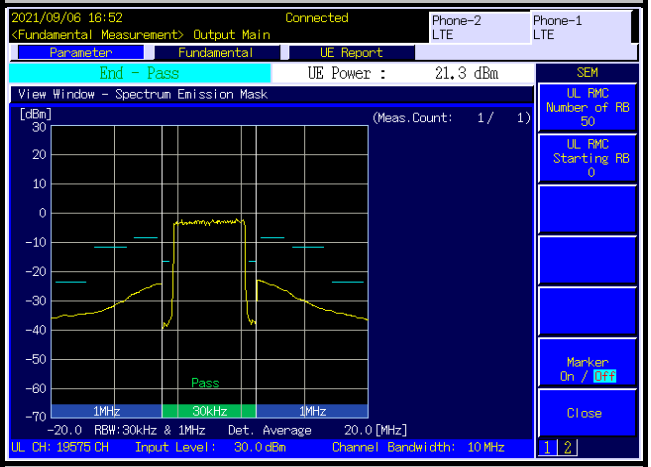
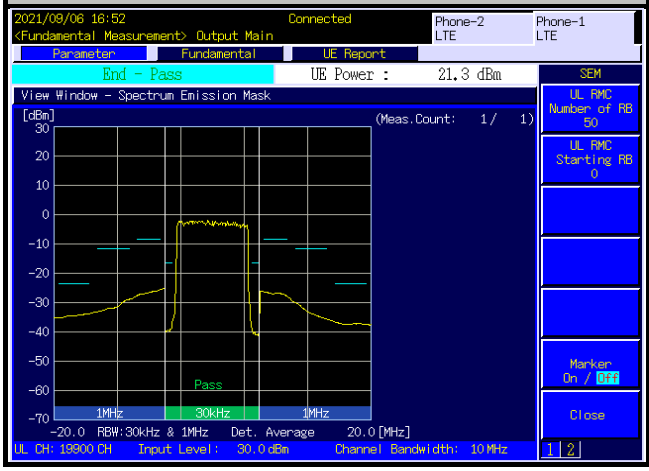
Ch19575



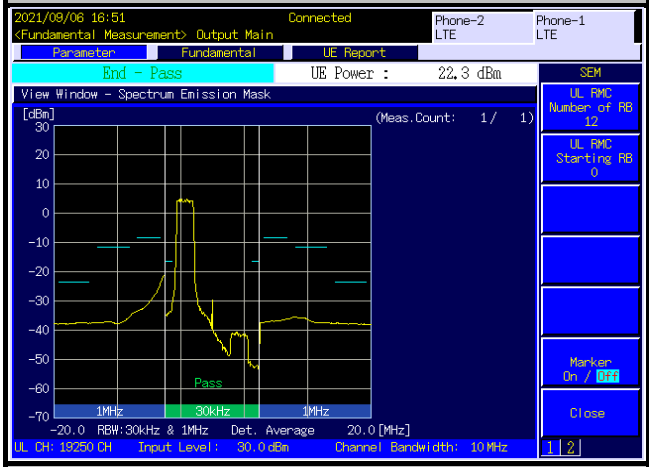
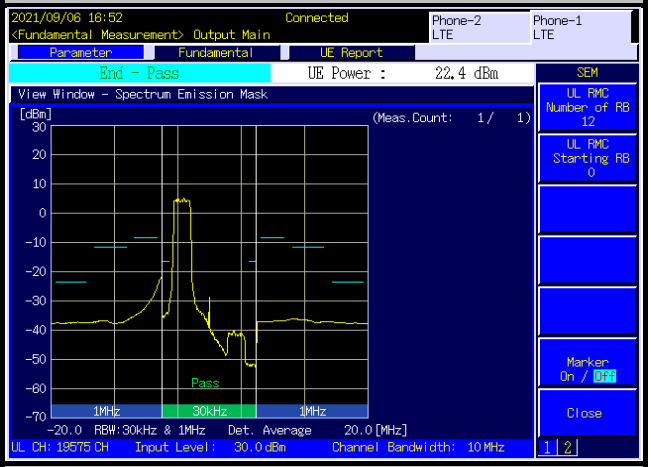
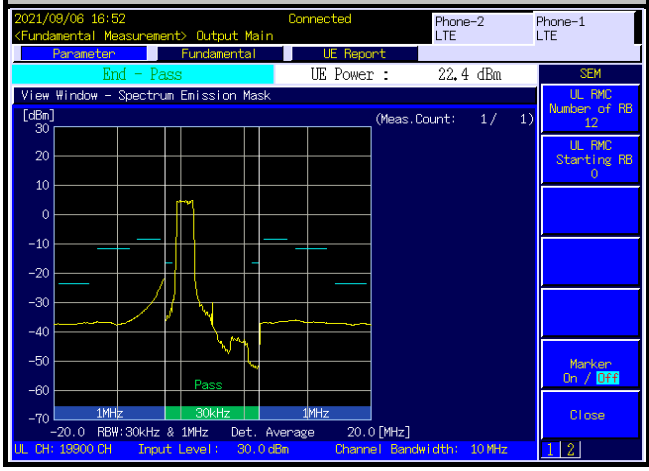
Ch19900



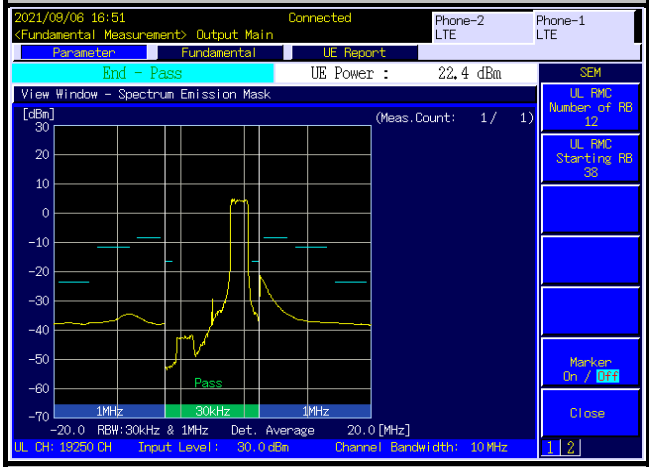
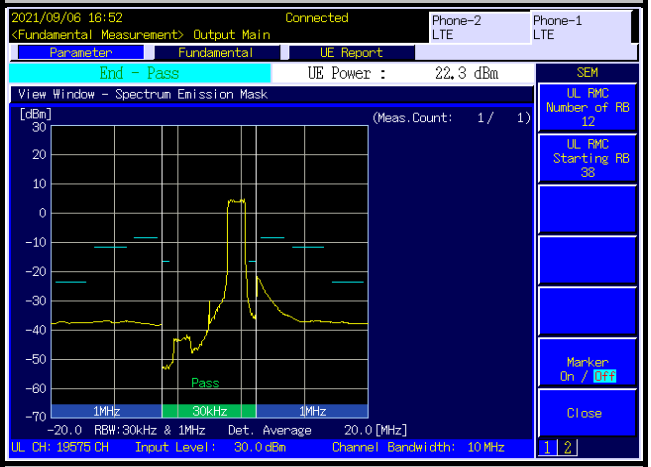
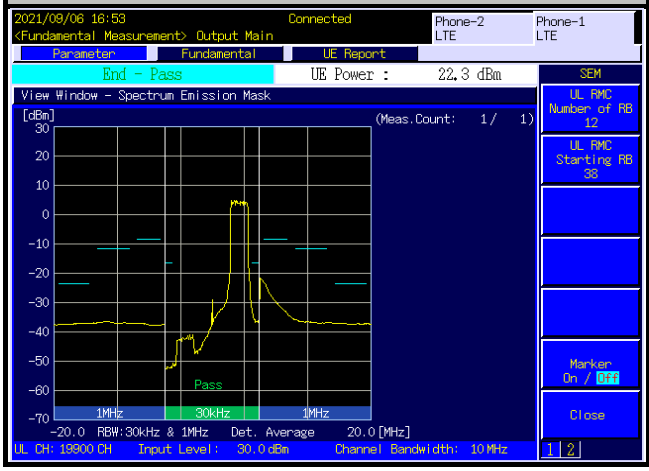
Bandwidth: 10 MHz / 16QAM (50 RB / 0 RB Offset)

Ch19250	Ch19575
	
Ch19900	
	

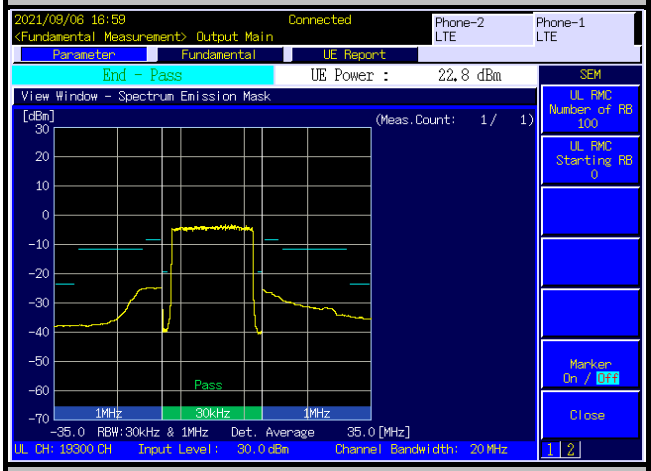
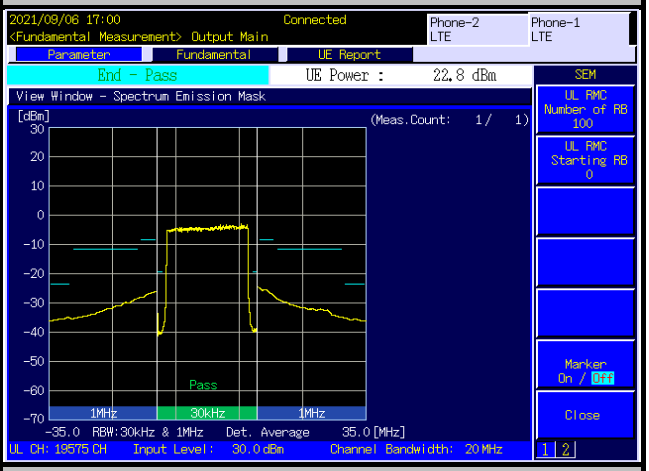
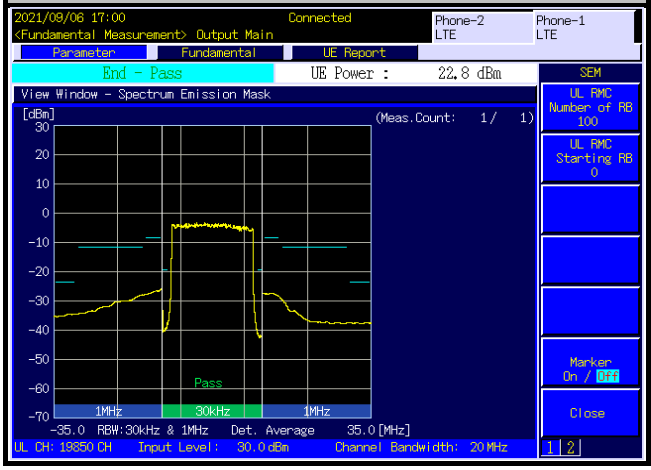
Bandwidth: 10 MHz / 16QAM (12 RB / 0 RB Offset)

Ch19250	Ch19575
	
Ch19900	
	

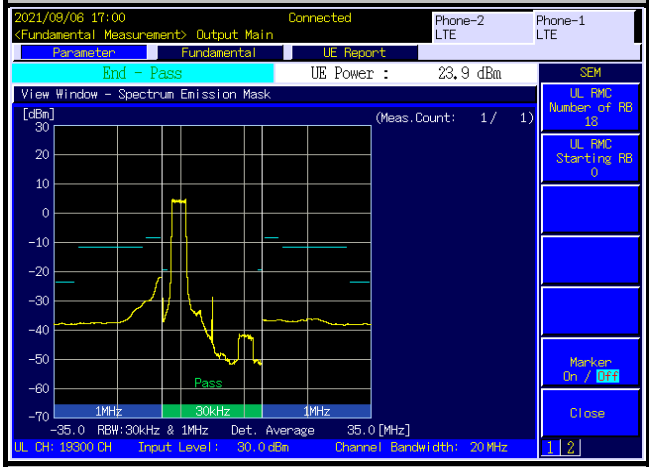
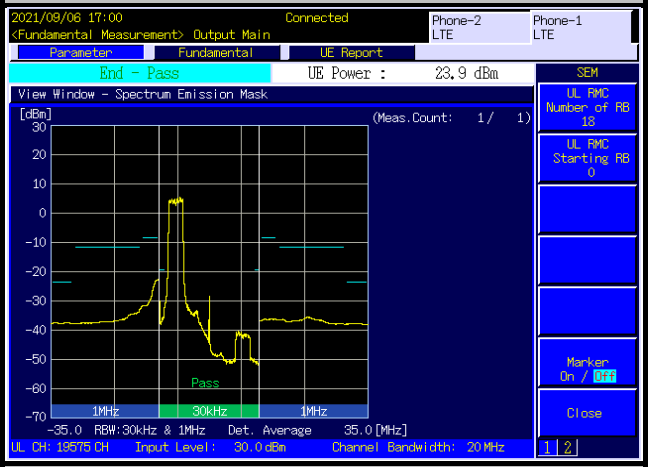
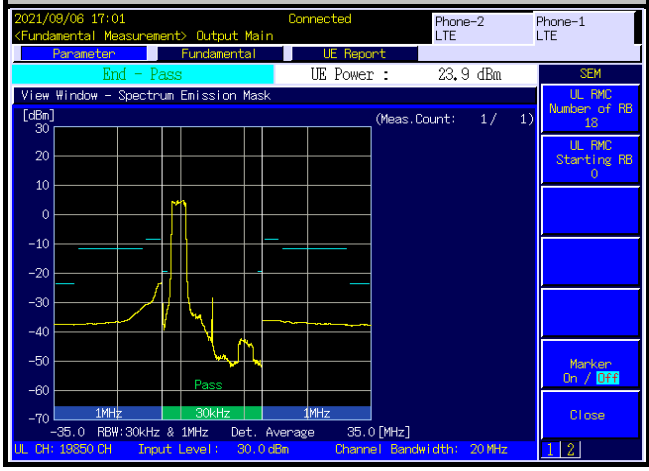
Bandwidth: 10 MHz / 16QAM (12 RB / 38 RB Offset)

Ch19250	Ch19575
	
Ch19900	
	

Bandwidth: 20 MHz / QPSK (100 RB / 0 RB Offset)

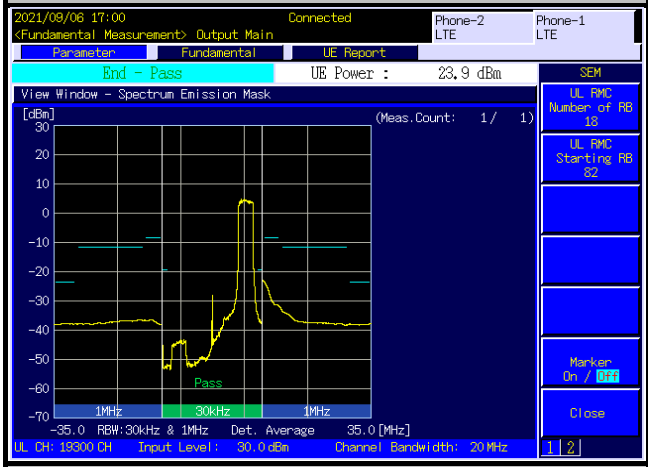
Ch19300	Ch19575
	
Ch19850	
	

Bandwidth: 20 MHz / QPSK (18 RB / 0 RB Offset)

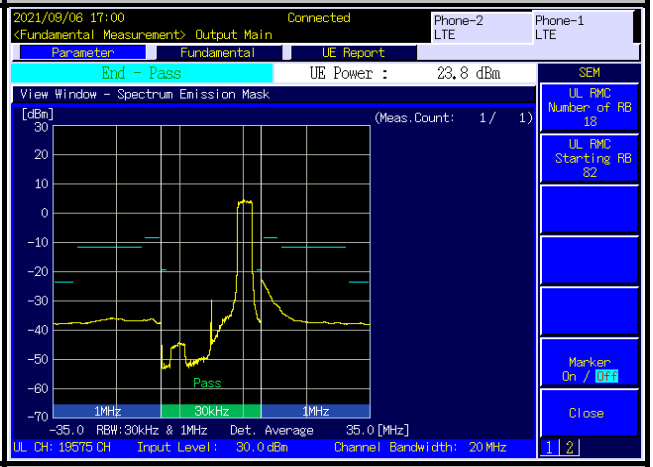
Ch19300	Ch19575
	
Ch19850	
	

Bandwidth: 20 MHz / QPSK (18 RB / 82 RB Offset)

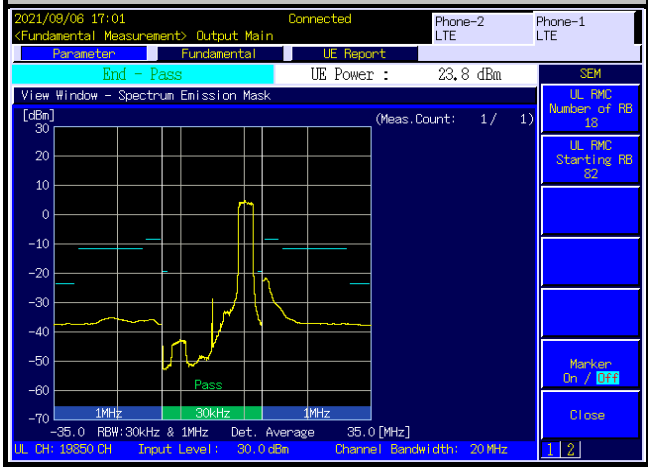
Ch19300



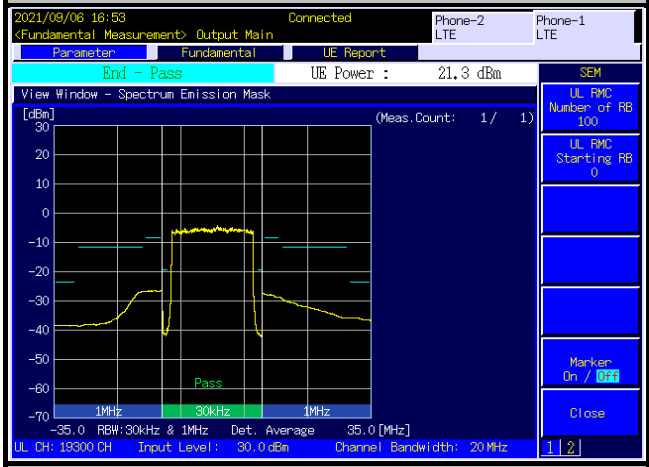
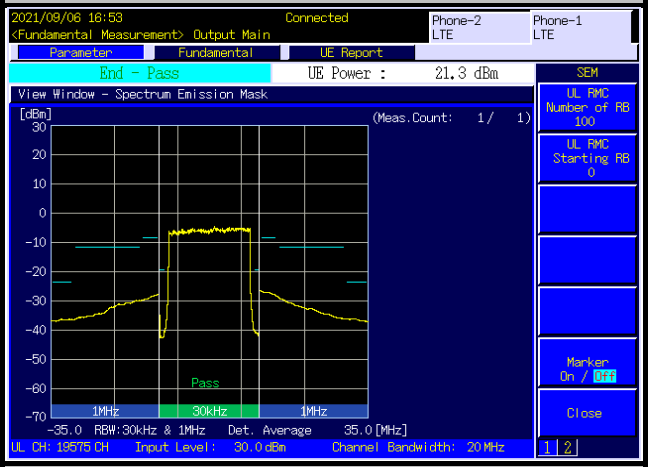
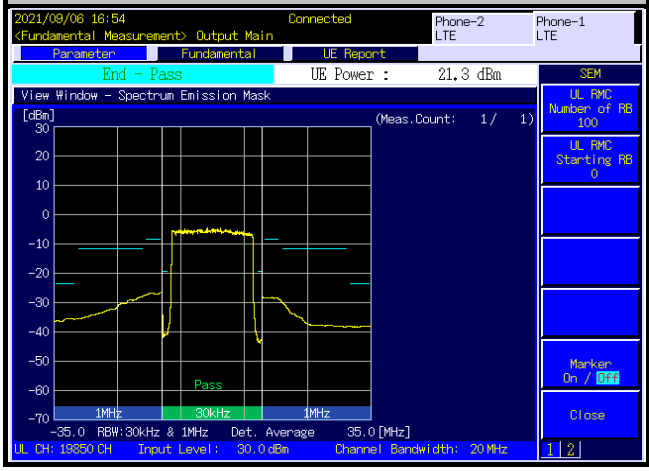
Ch19575



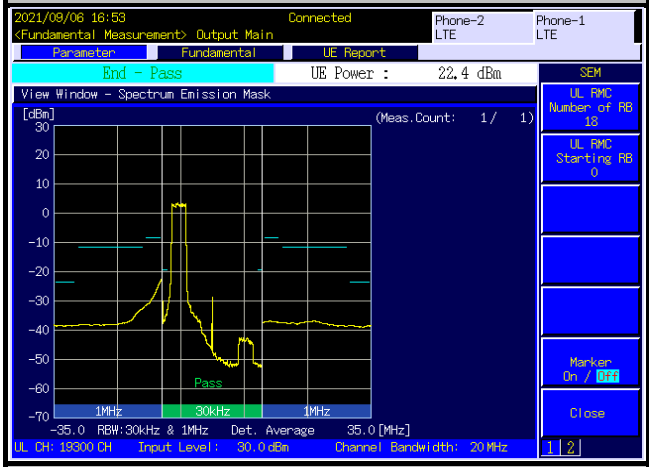
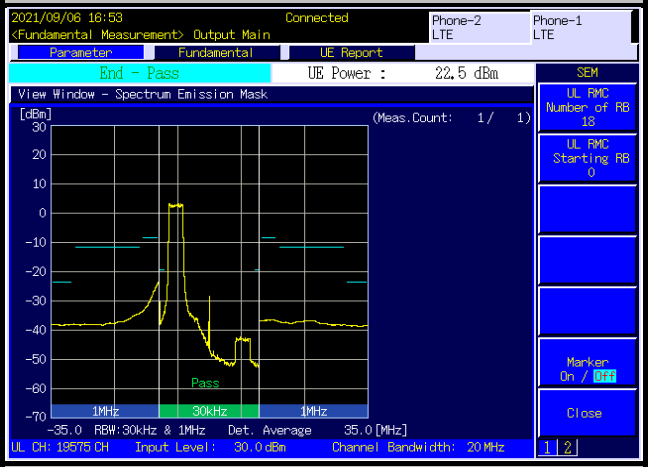
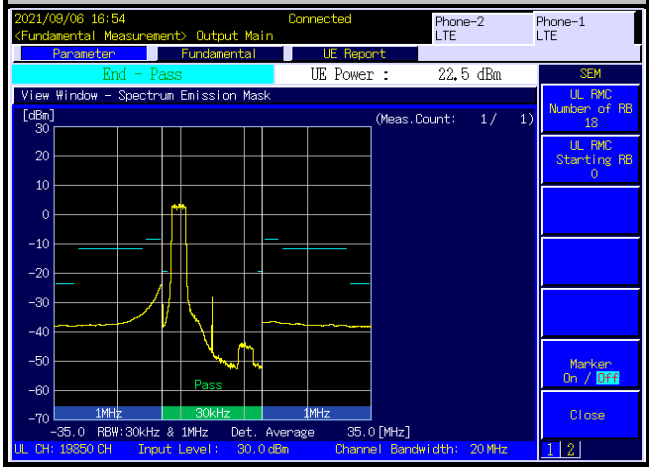
Ch19850



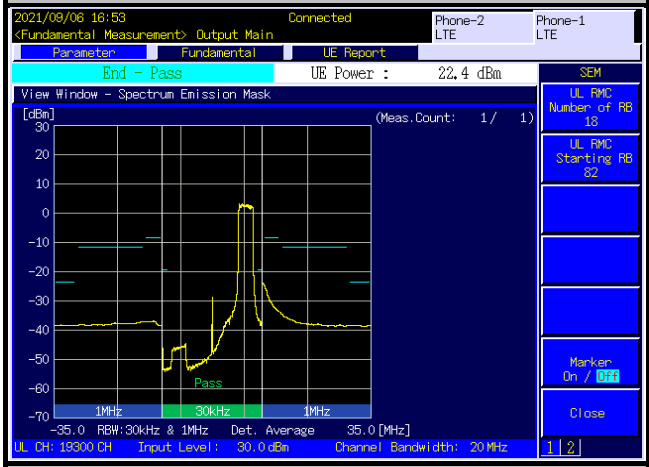
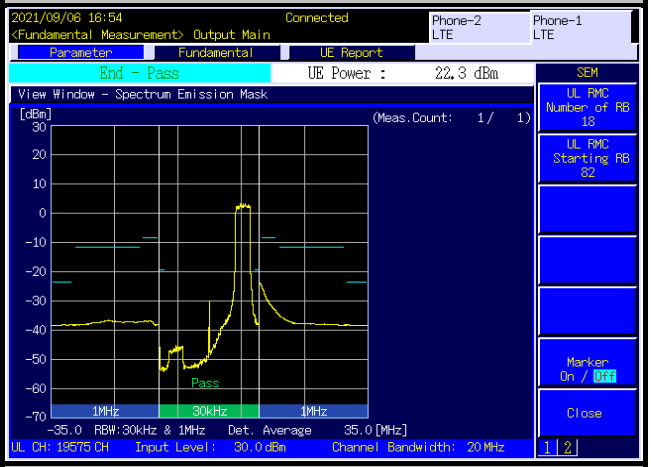
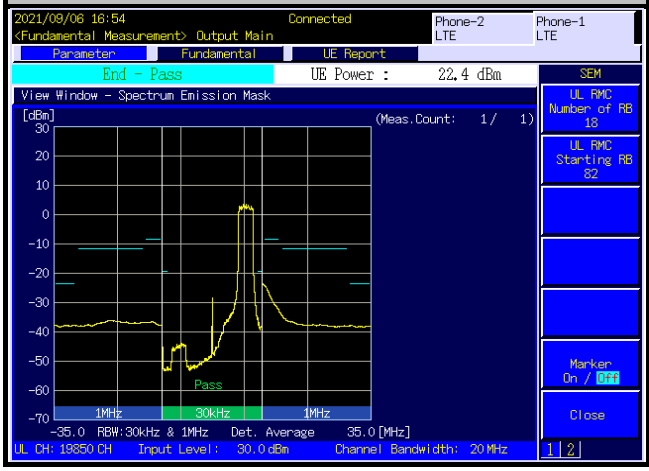
Bandwidth: 20 MHz / 16QAM (100 RB / 0 RB Offset)

Ch19300	Ch19575
	
Ch19850	
	

Bandwidth: 20 MHz / 16QAM (18 RB / 0 RB Offset)

Ch19300	Ch19575
	
Ch19850	
	

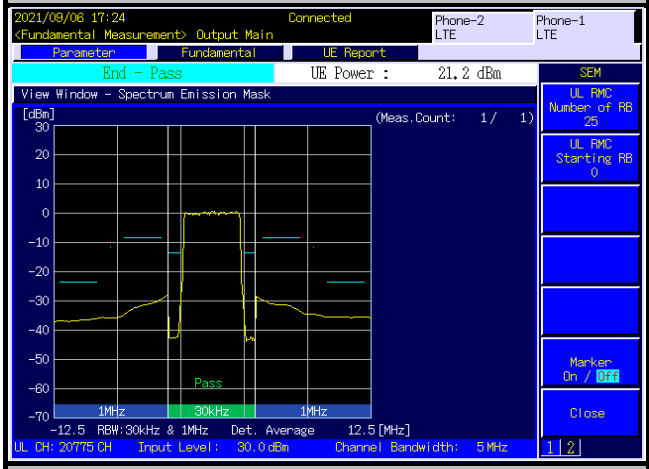
Bandwidth: 20 MHz / 16QAM (18 RB / 82 RB Offset)

Ch19300	Ch19575
	
Ch19850	
	

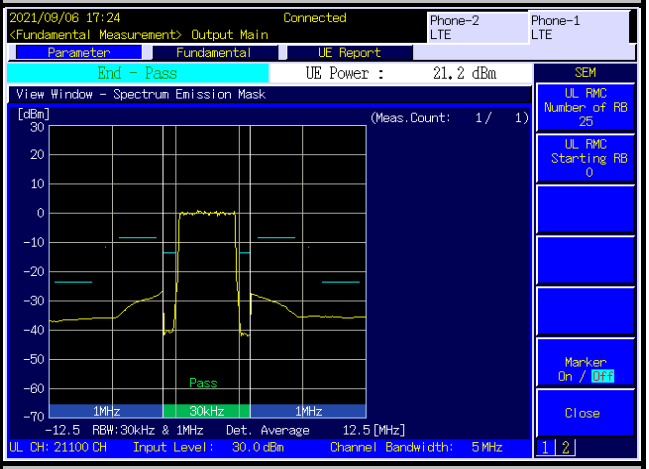
LTE Band 7

Bandwidth: 5 MHz / QPSK (25 RB / 0 RB Offset)

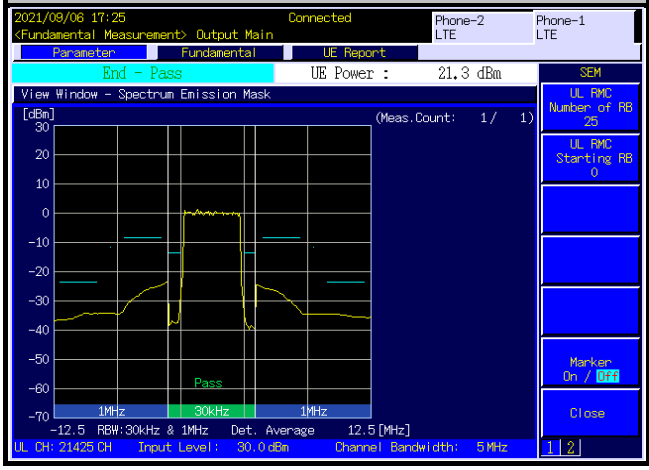
Ch20775



Ch21100

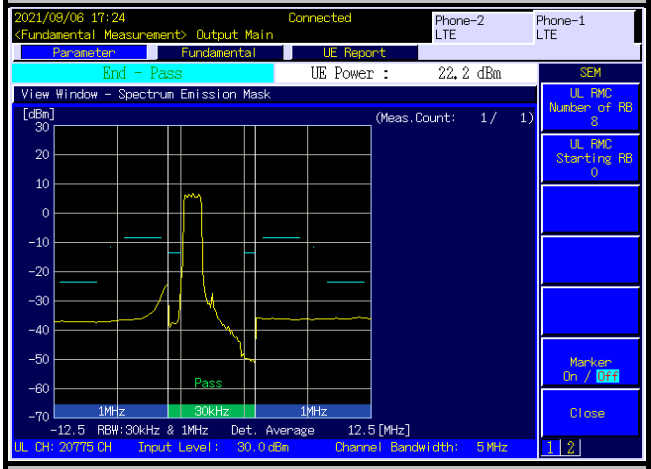


Ch21425

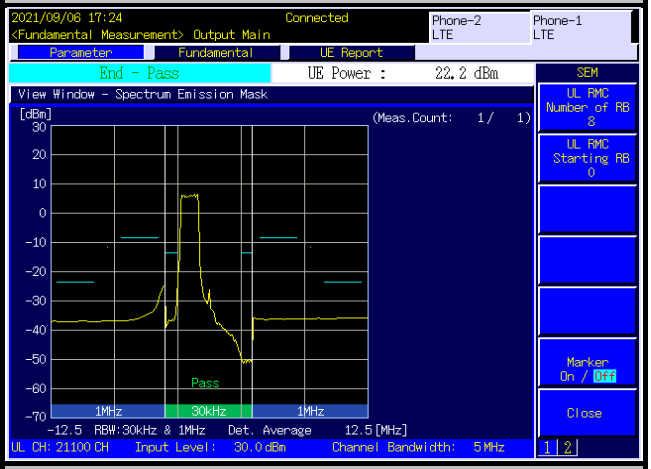


Bandwidth: 5 MHz / QPSK (8 RB / 0 RB Offset)

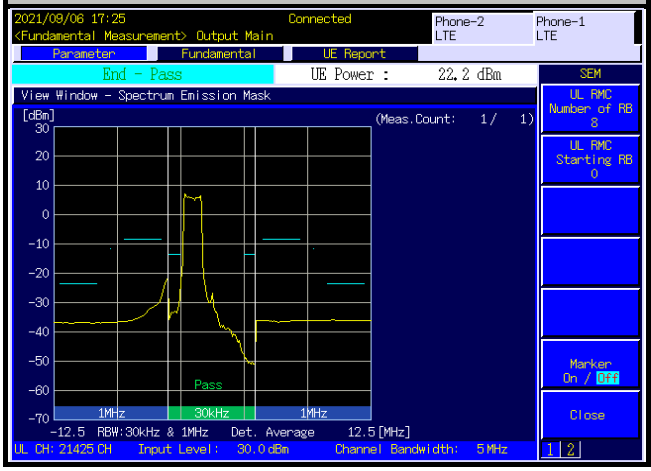
Ch20775



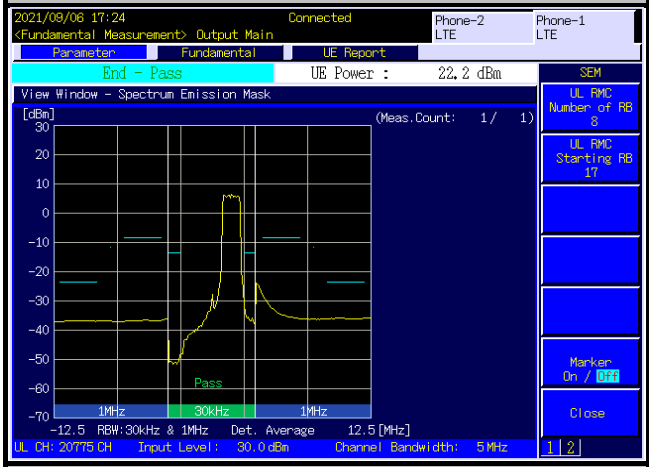
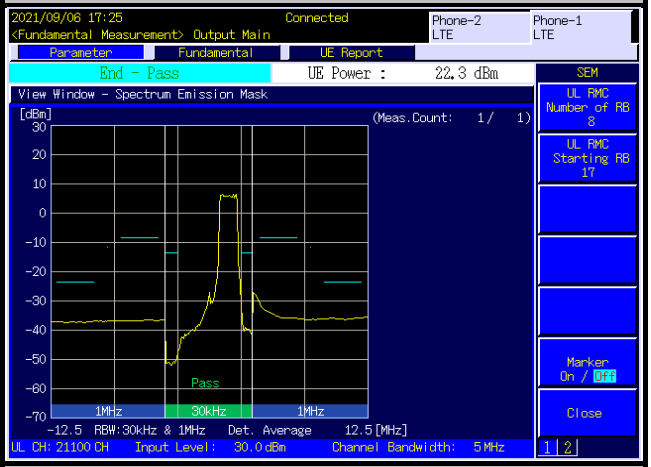
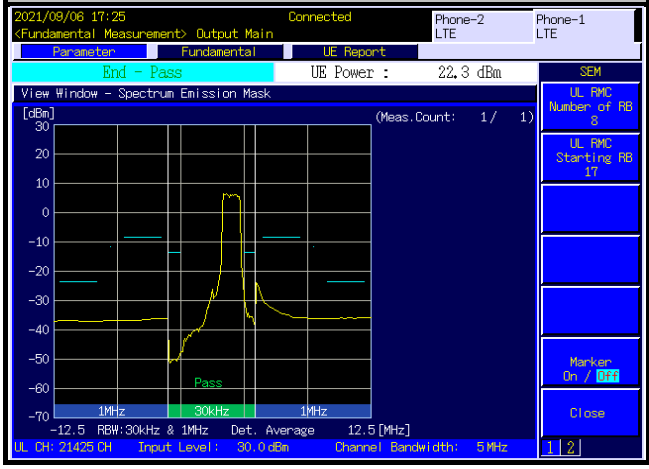
Ch21100



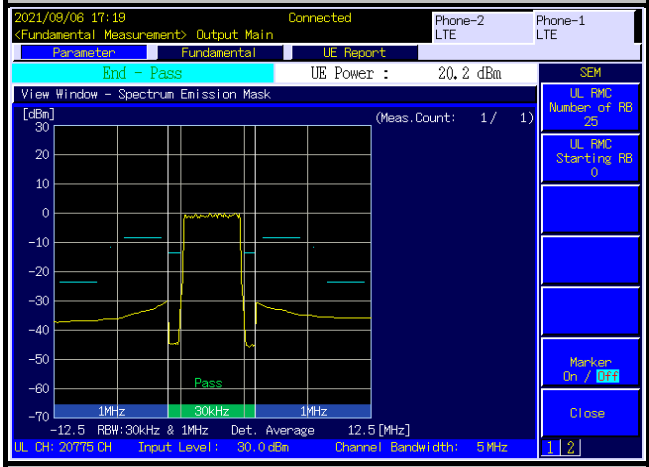
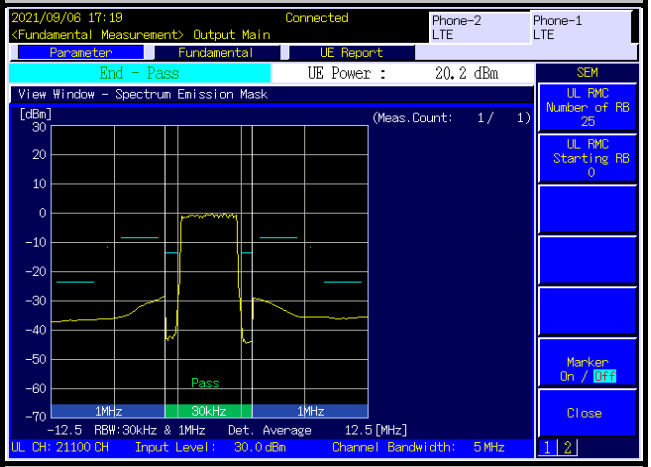
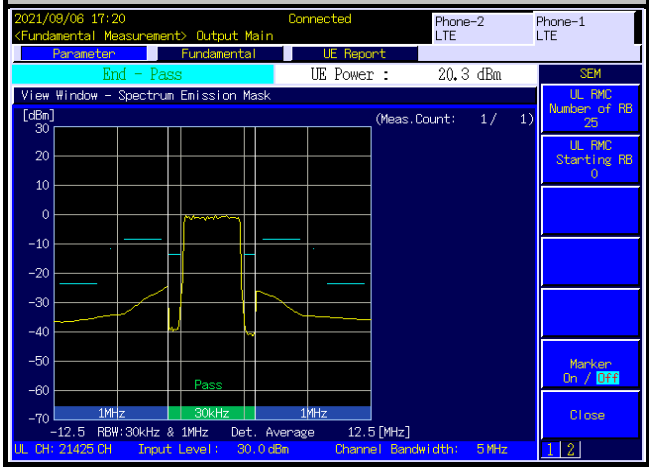
Ch21425



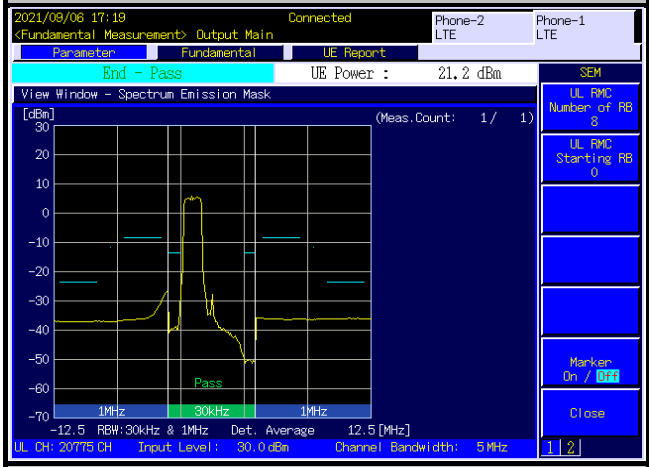
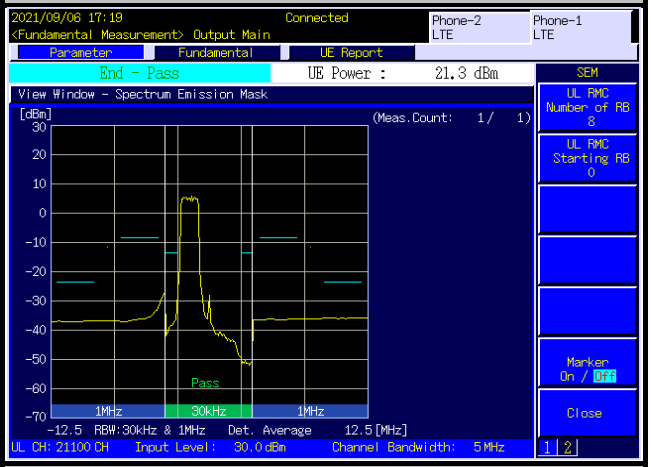
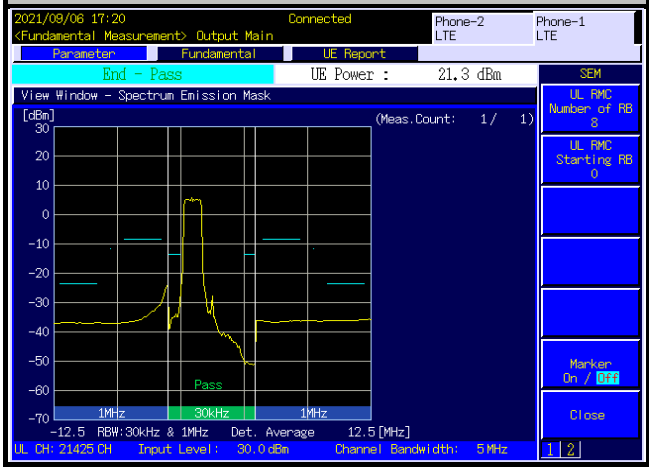
Bandwidth: 5 MHz / QPSK (8 RB / 17 RB Offset)

Ch20775	Ch21100
	
Ch21425	
	

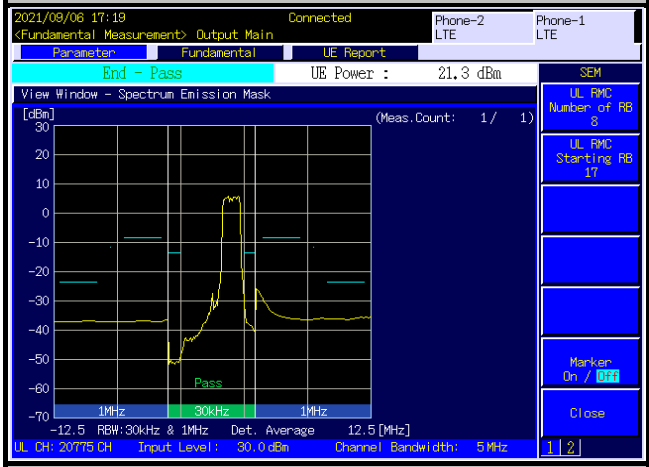
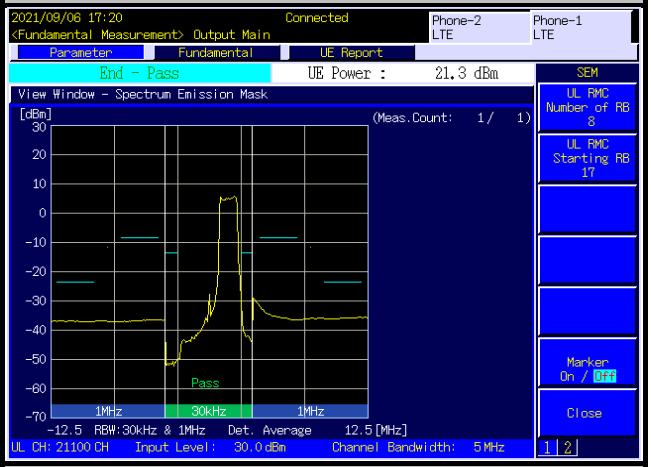
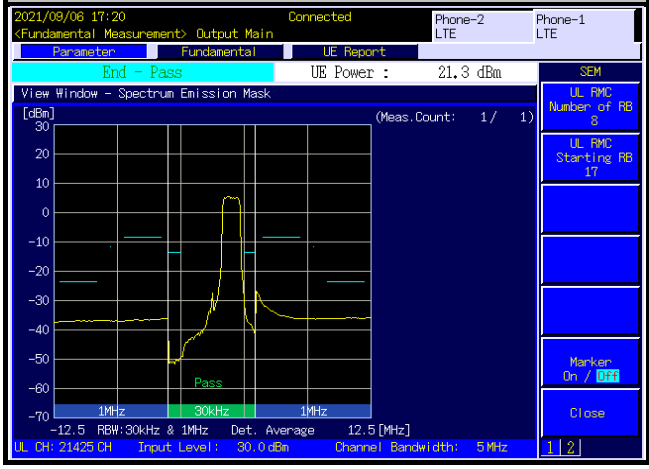
Bandwidth: 5 MHz / 16QAM (25 RB / 0 RB Offset)

Ch20775	Ch21100
	
Ch21425	
	

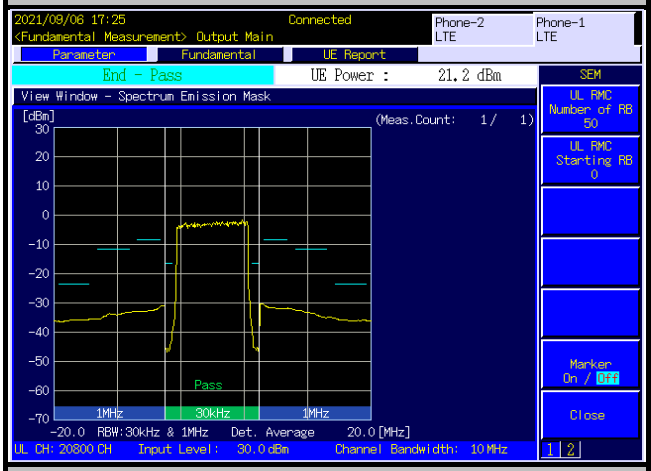
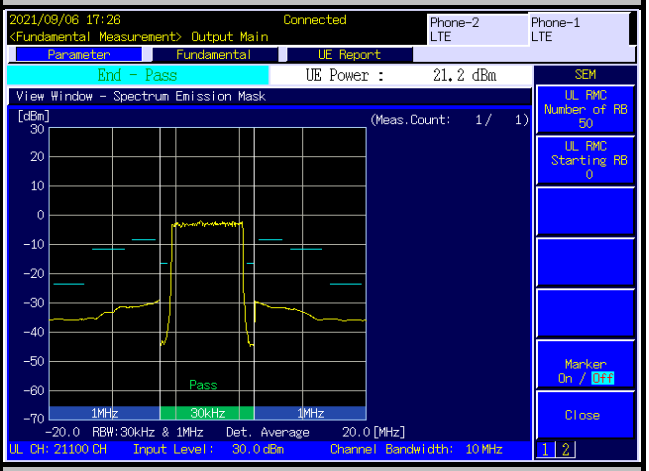
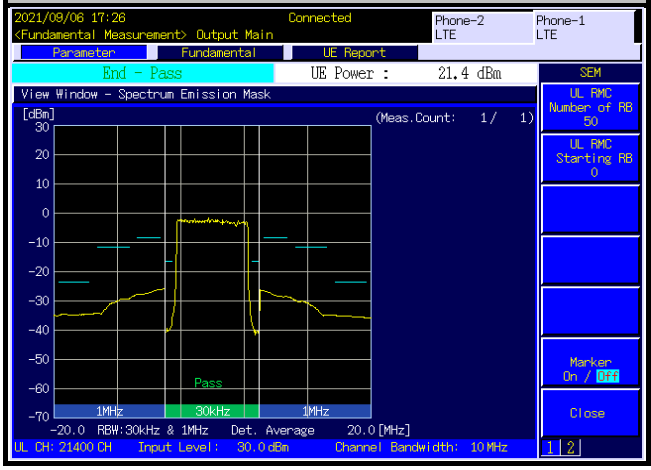
Bandwidth: 5 MHz / 16QAM (8 RB / 0 RB Offset)

Ch20775	Ch21100
	
Ch21425	
	

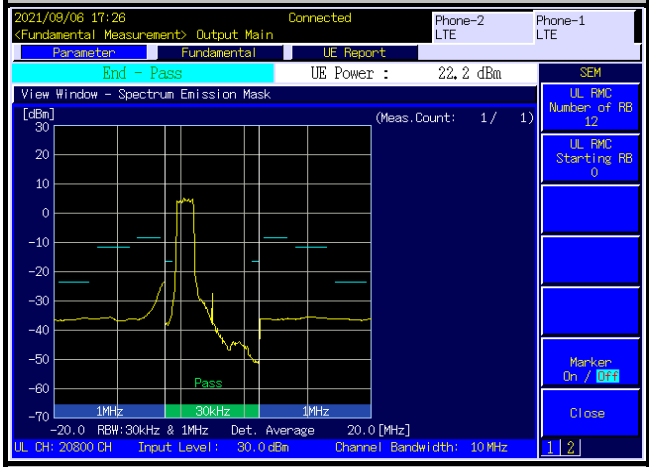
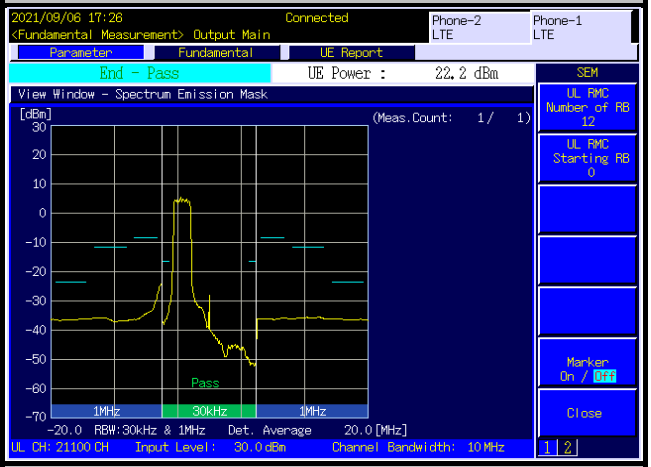
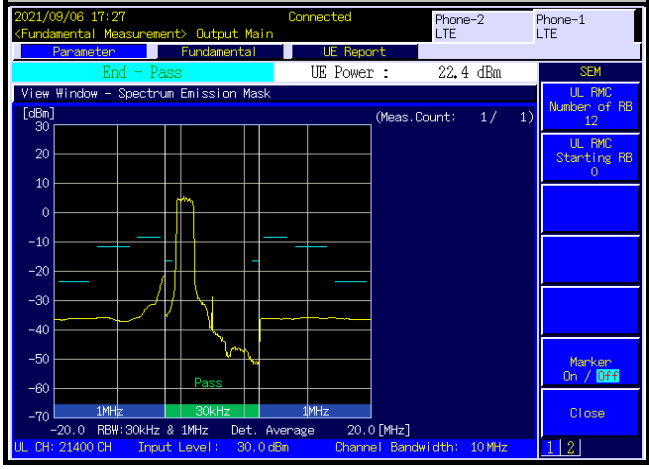
Bandwidth: 5 MHz / 16QAM (8 RB / 17 RB Offset)

Ch20775	Ch21100
	
Ch21425	
	

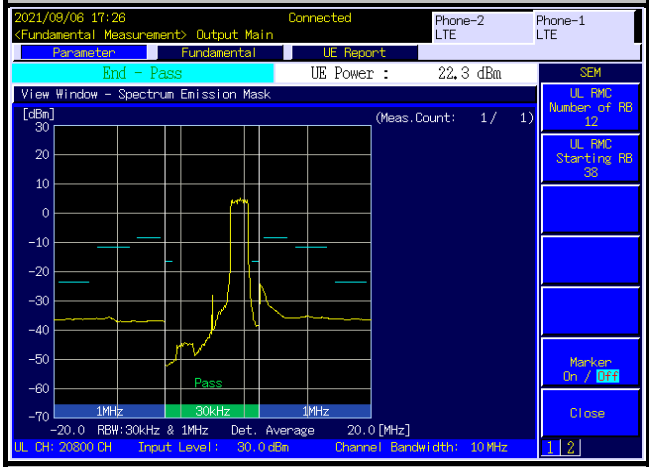
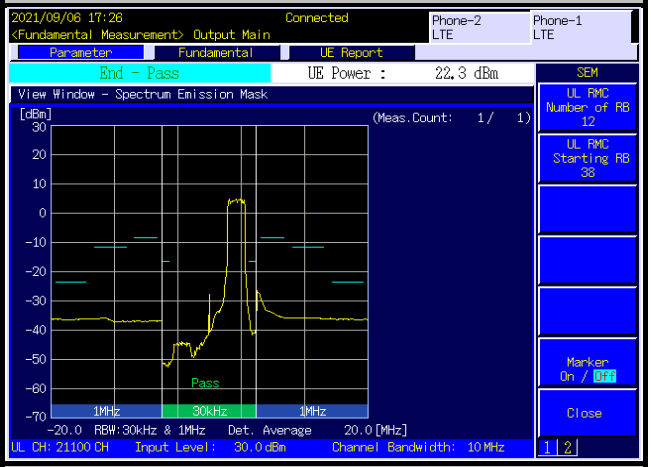
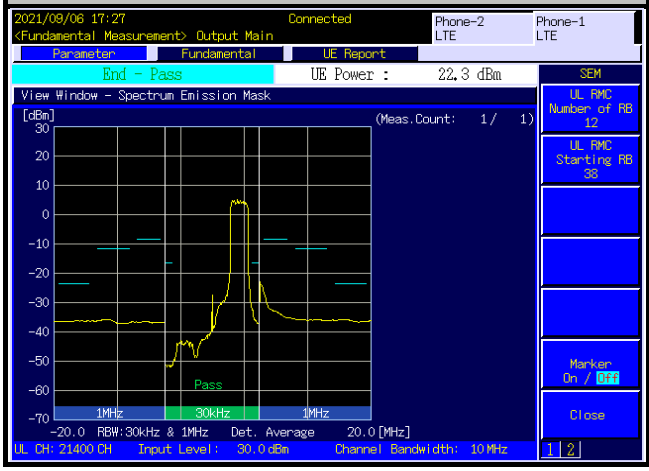
Bandwidth: 10 MHz / QPSK (50 RB / 0 RB Offset)

Ch20800	Ch21100
	
Ch21400	
	

Bandwidth: 10 MHz / QPSK (12 RB / 0 RB Offset)

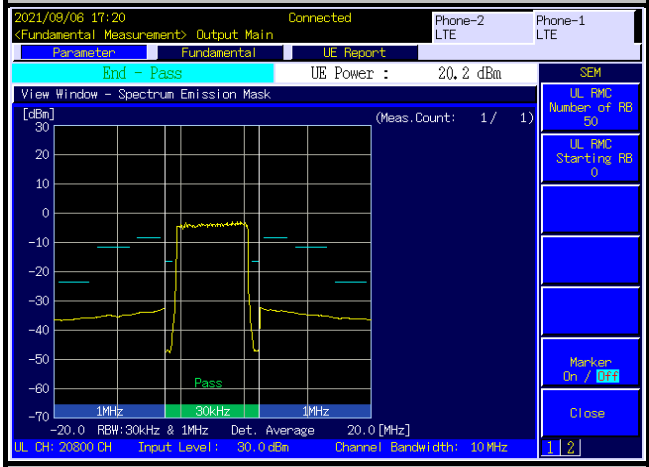
Ch20800	Ch21100
	
Ch21400	
	

Bandwidth: 10 MHz / QPSK (12 RB / 38 RB Offset)

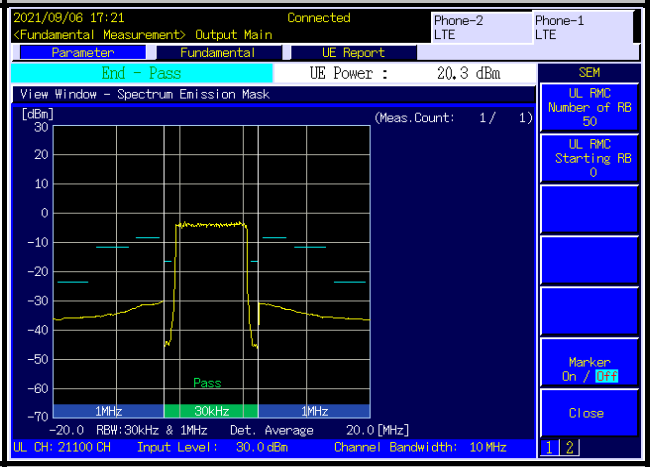
Ch20800	Ch21100
	
Ch21400	
	

Bandwidth: 10 MHz / 16QAM (50 RB / 0 RB Offset)

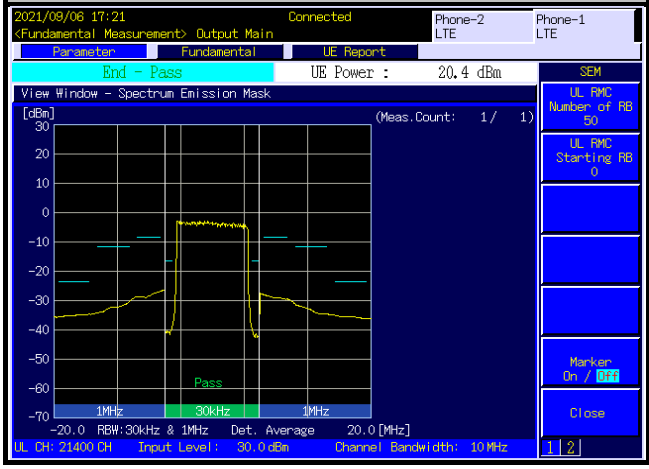
Ch20800



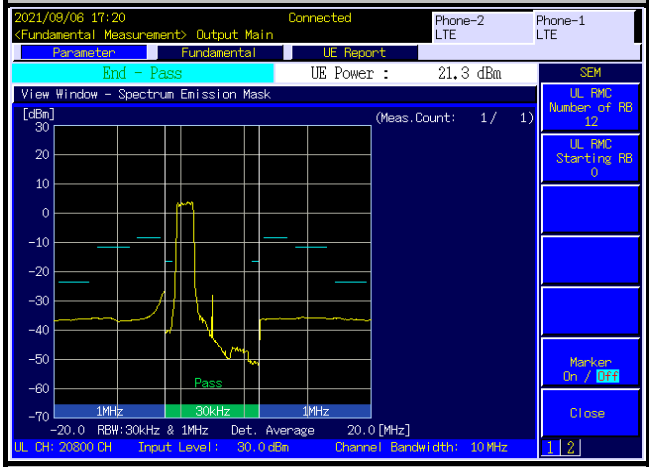
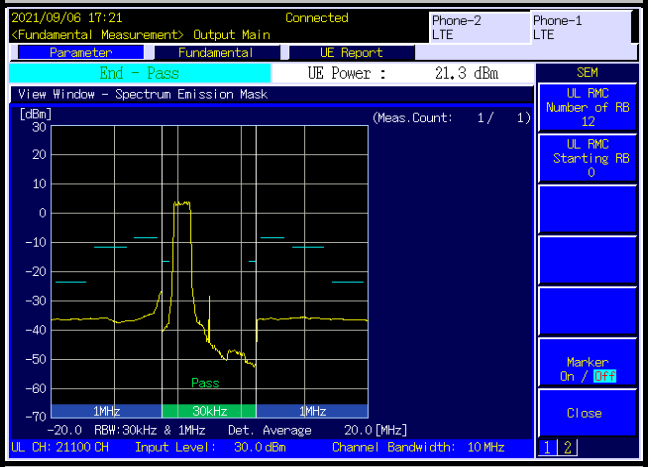
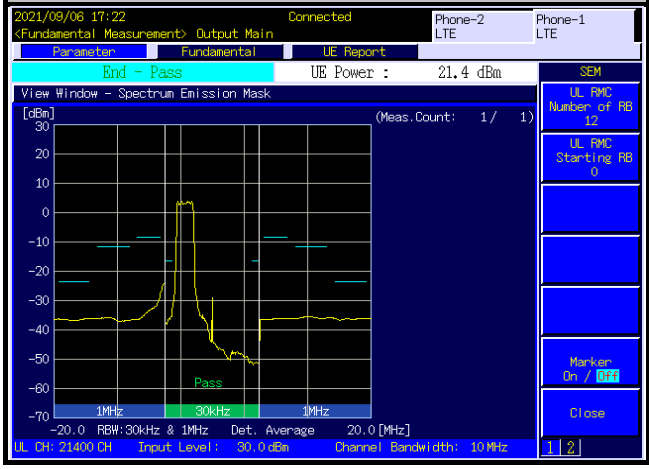
Ch21100



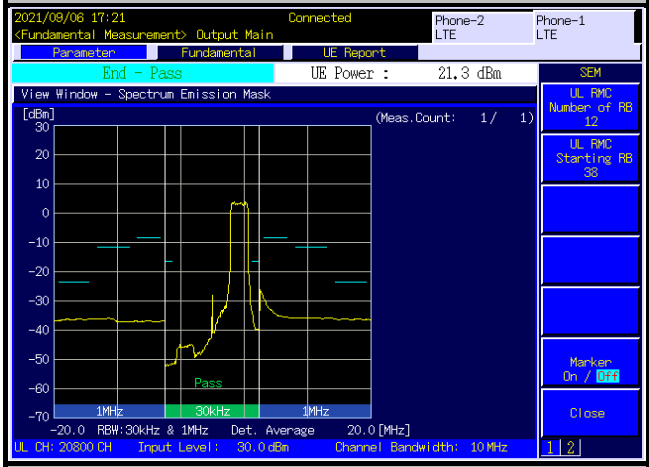
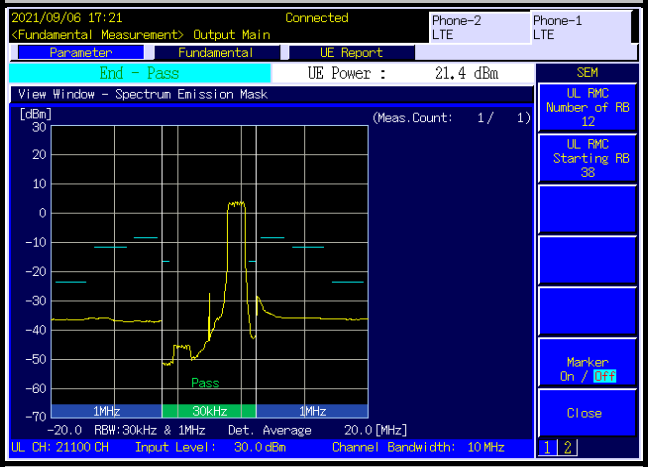
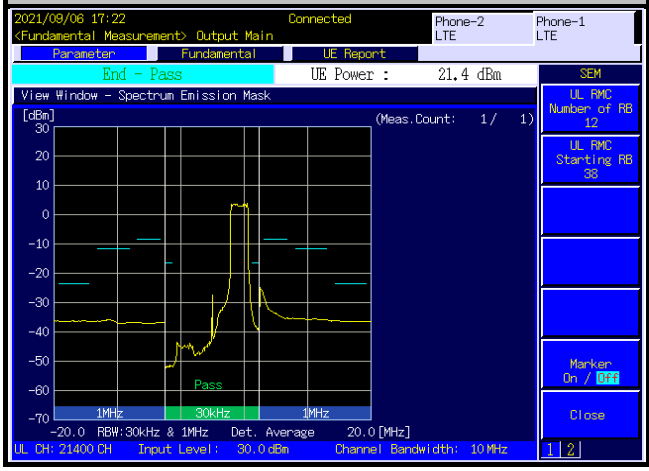
Ch21400



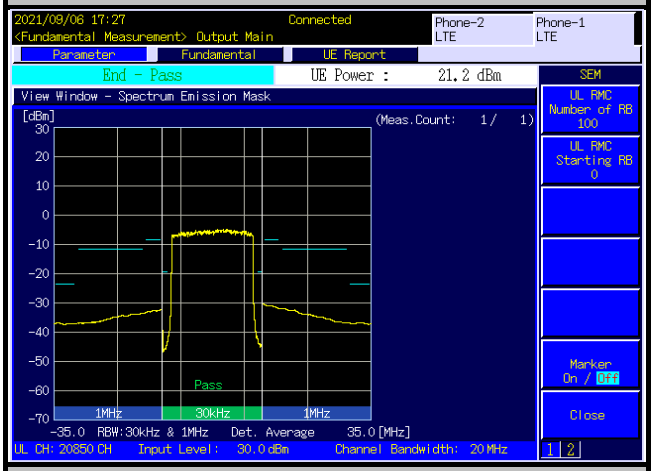
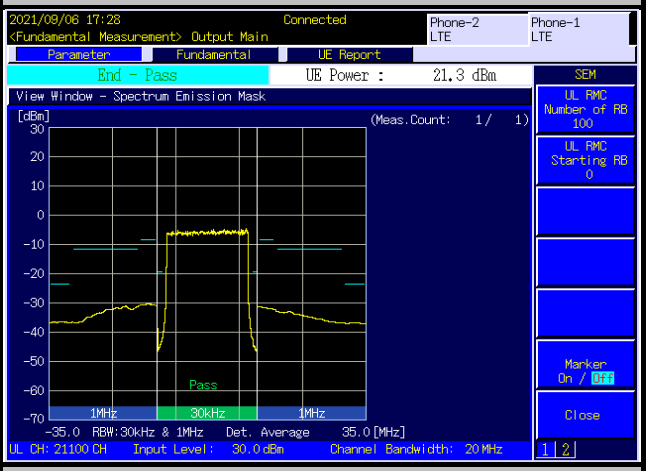
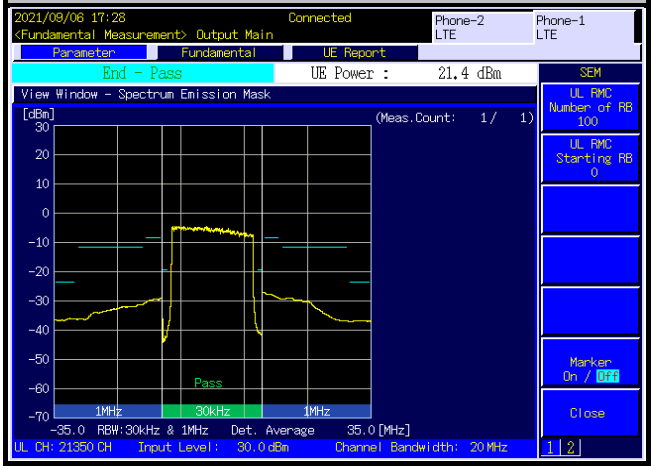
Bandwidth: 10 MHz / 16QAM (12 RB / 0 RB Offset)

Ch20800	Ch21100
	
Ch21400	
	

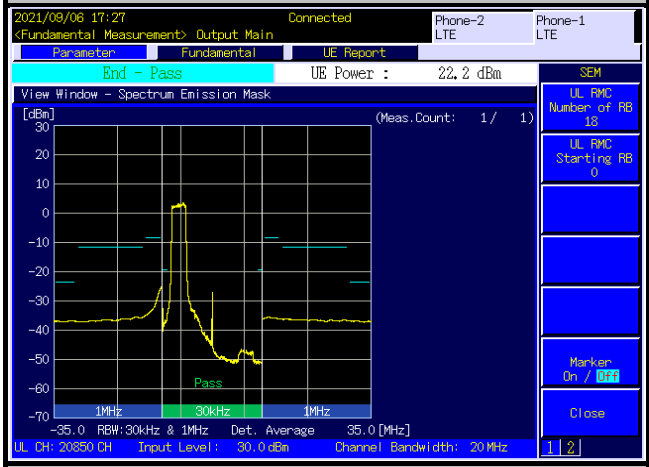
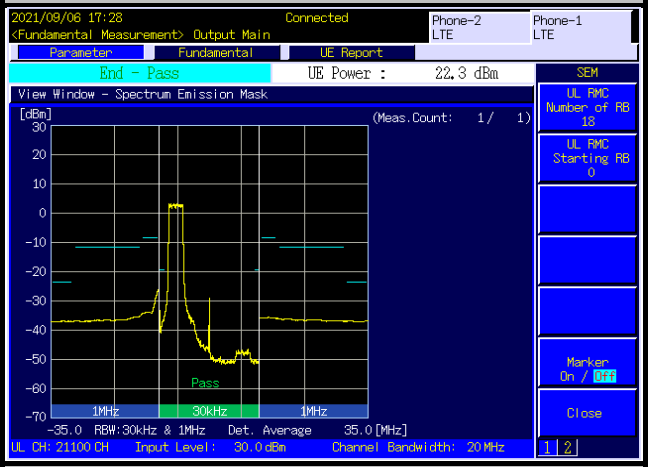
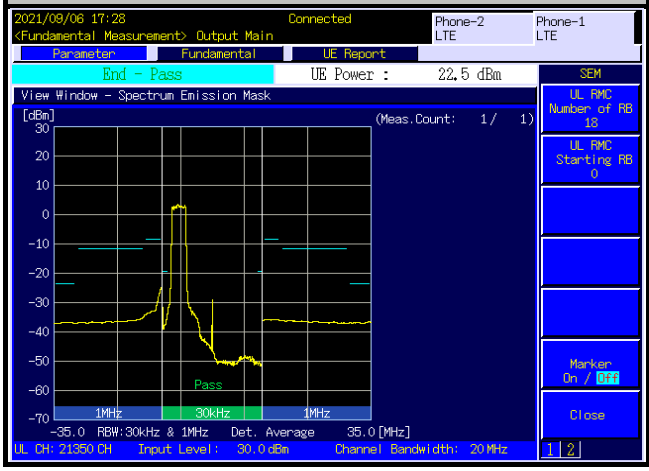
Bandwidth: 10 MHz / 16QAM (12 RB / 38 RB Offset)

Ch20800	Ch21100
	
Ch21400	
	

Bandwidth: 20 MHz / QPSK (100 RB / 0 RB Offset)

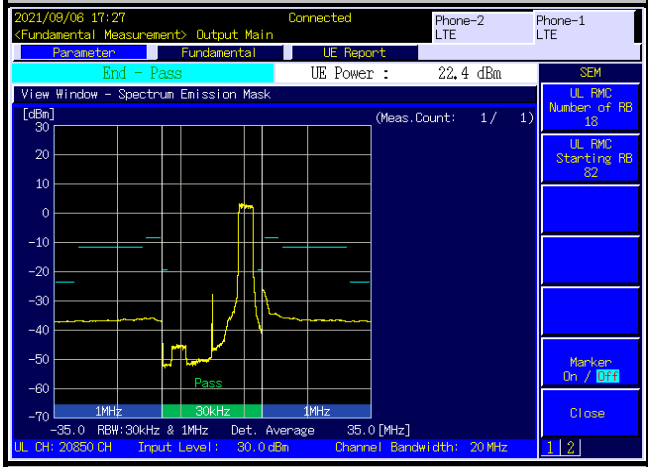
Ch20850	Ch21100
	
Ch21350	
	

Bandwidth: 20 MHz / QPSK (18 RB / 0 RB Offset)

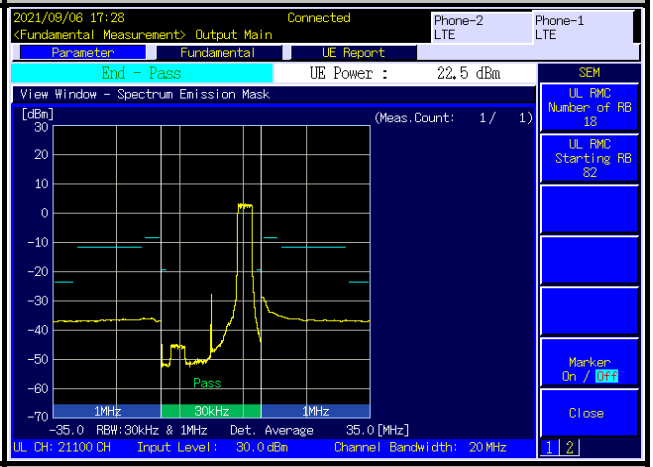
Ch20850	Ch21100
	
Ch21350	
	

Bandwidth: 20 MHz / QPSK (18 RB / 82 RB Offset)

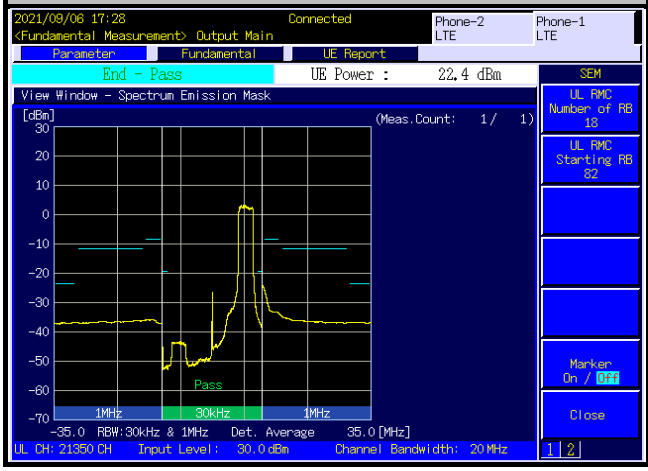
Ch20850



Ch21100

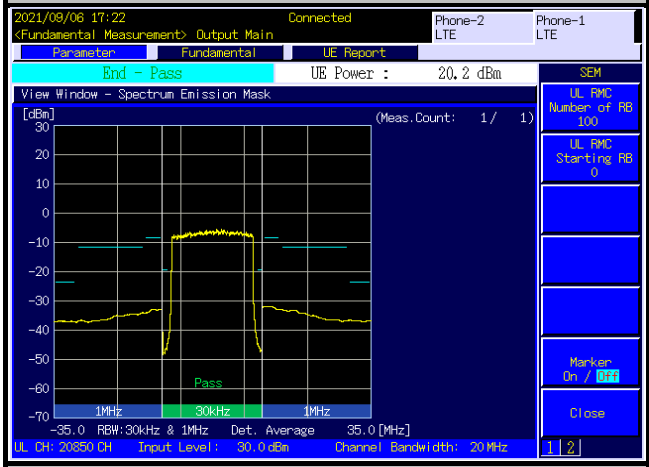


Ch21350

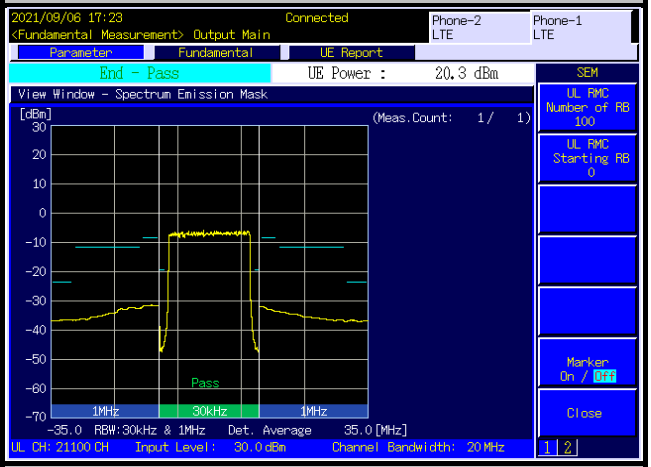


Bandwidth: 20 MHz / 16QAM (100 RB / 0 RB Offset)

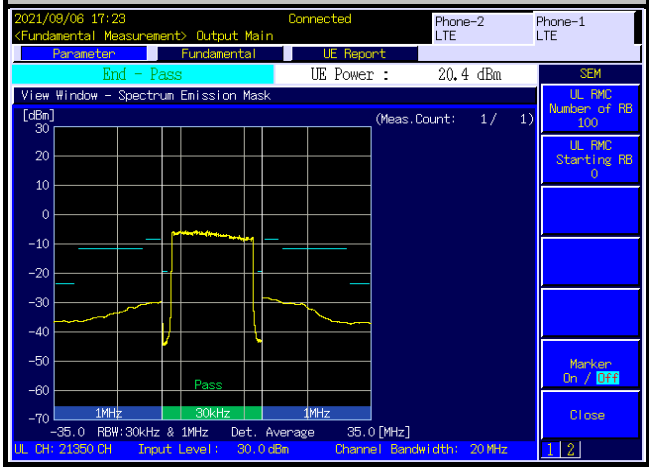
Ch20850



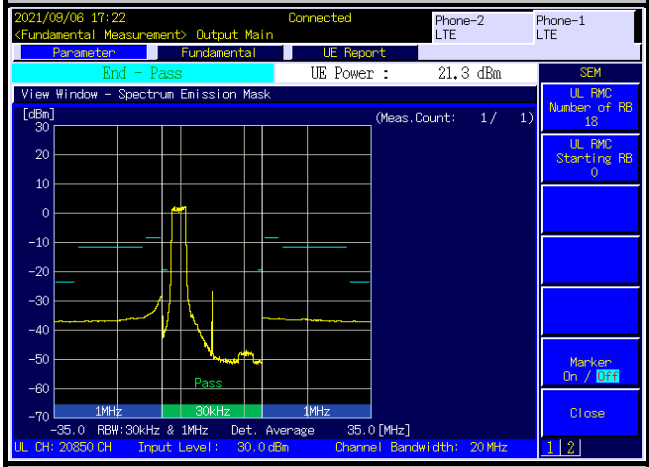
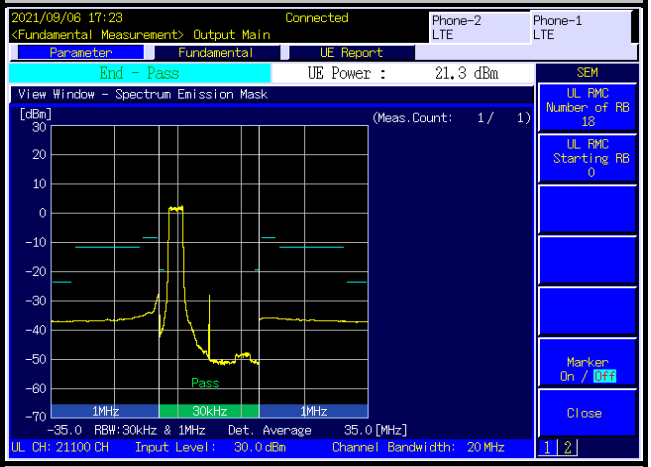
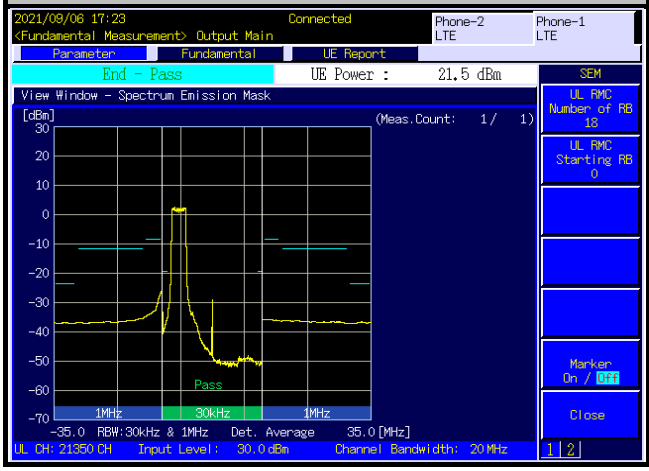
Ch21100



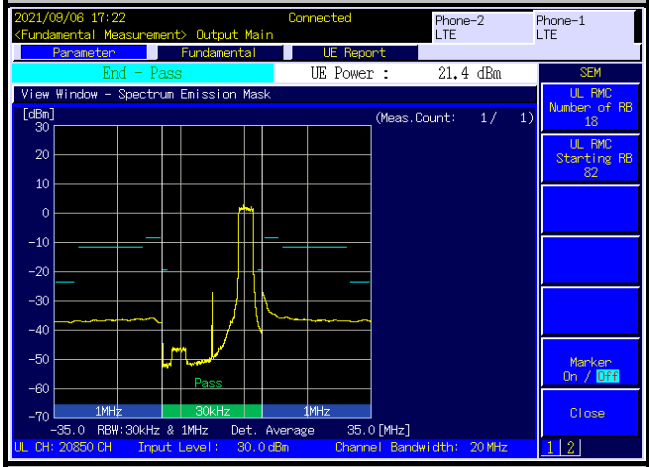
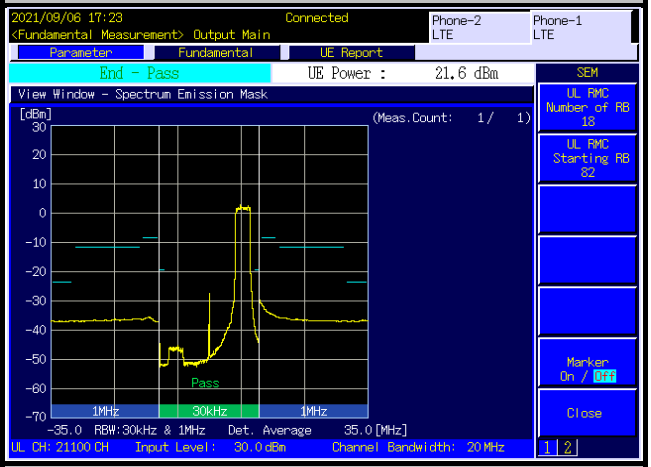
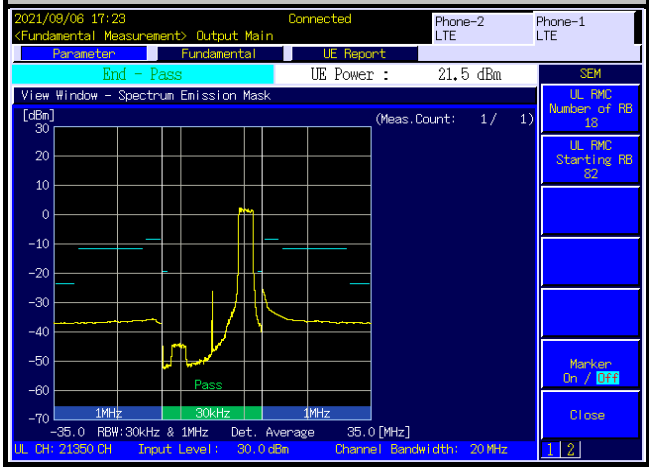
Ch21350



Bandwidth: 20 MHz / 16QAM (18 RB / 0 RB Offset)

Ch20850	Ch21100
	
Ch21350	
	

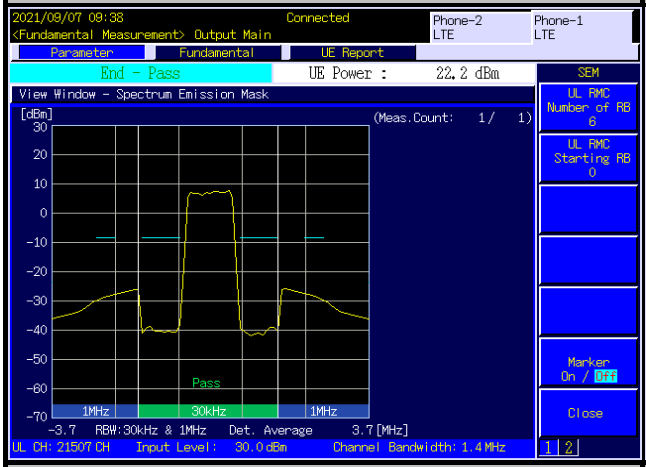
Bandwidth: 20 MHz / 16QAM (18 RB / 82 RB Offset)

Ch20850	Ch21100
	
Ch21350	
	

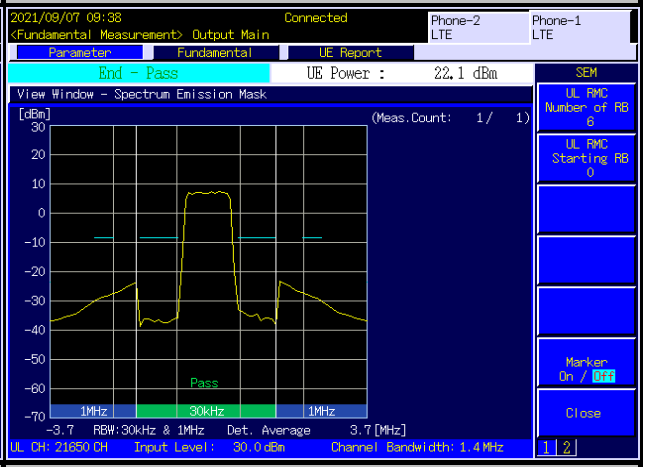
LTE Band 8

Bandwidth: 1.4 MHz / QPSK (6 RB / 0 RB Offset)

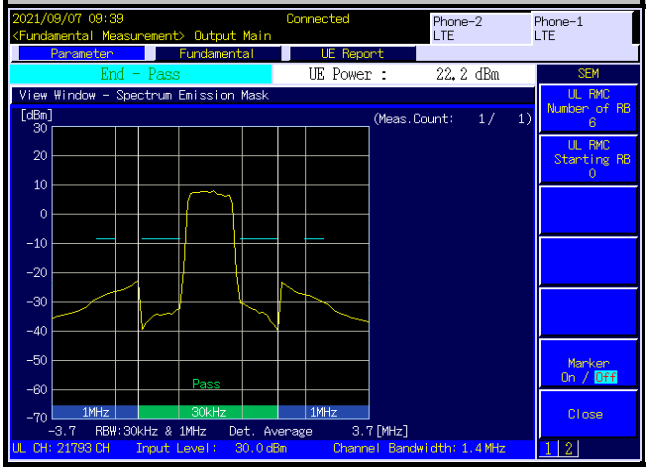
Ch21507



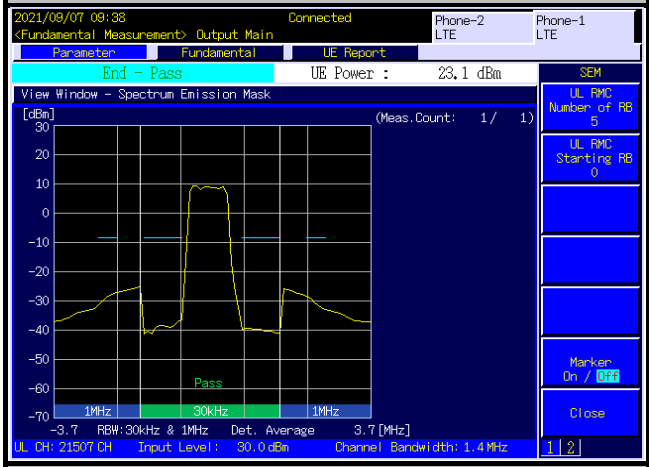
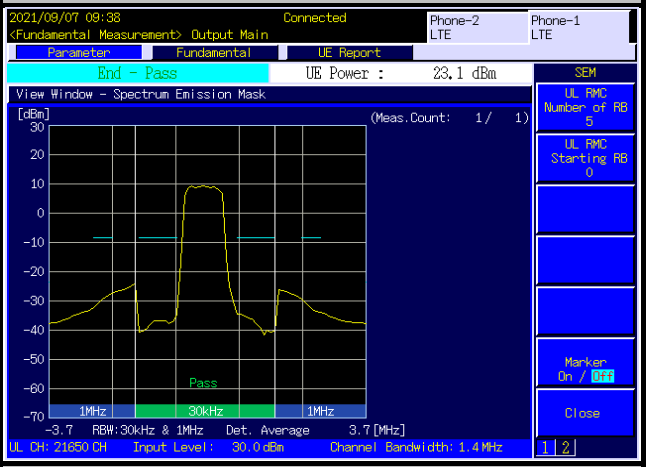
Ch21650

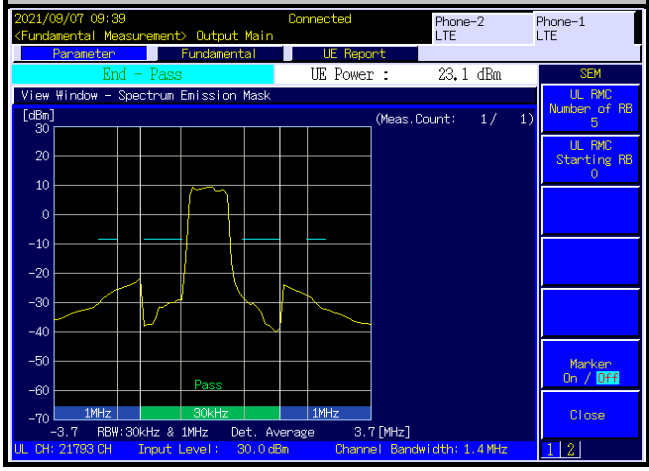


Ch21793

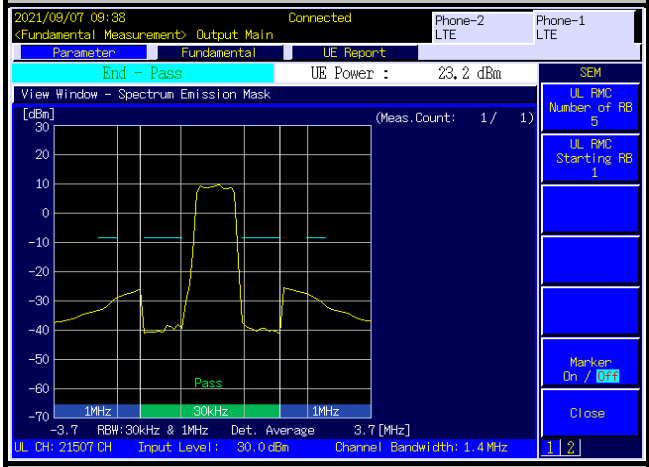
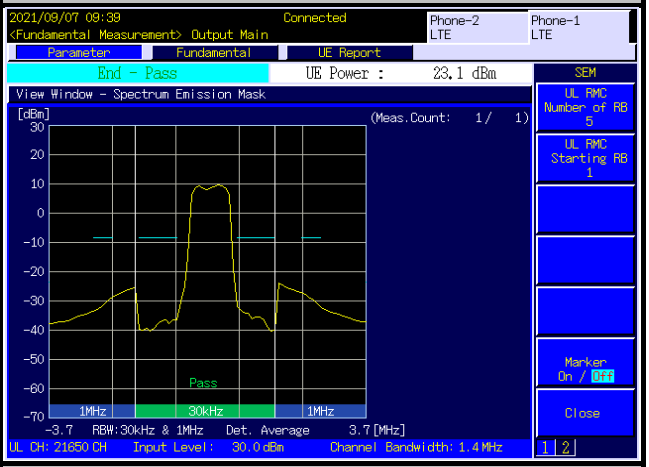
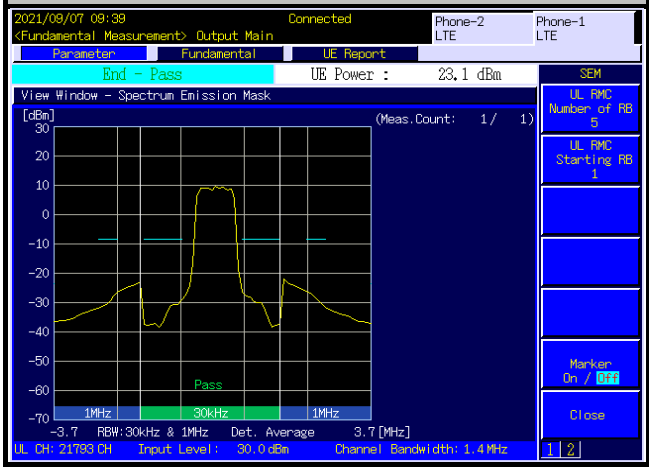


Bandwidth: 1.4 MHz / QPSK (5 RB / 0 RB Offset)

Ch21507	Ch21650
	

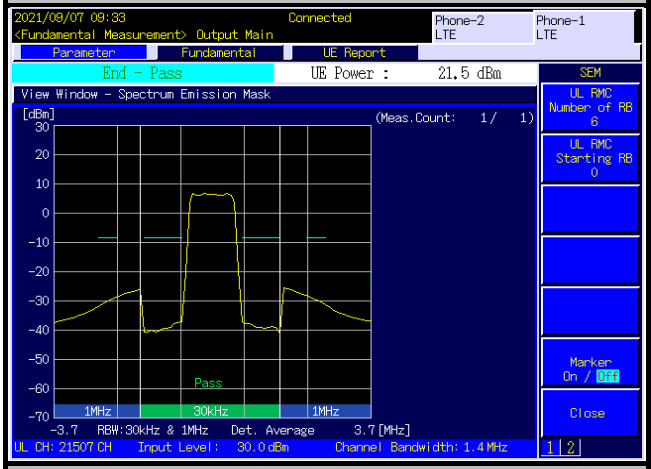
Ch21793	
	

Bandwidth: 1.4 MHz / QPSK (5 RB / 1 RB Offset)

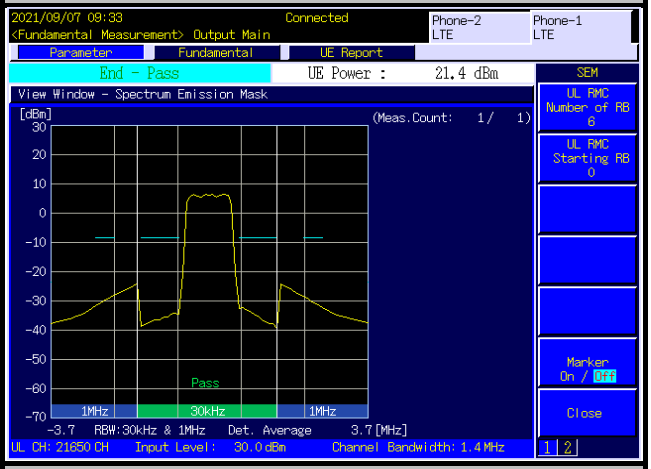
Ch21507	Ch21650
	
Ch21793	
	

Bandwidth: 1.4 MHz / 16QAM (6 RB / 0 RB Offset)

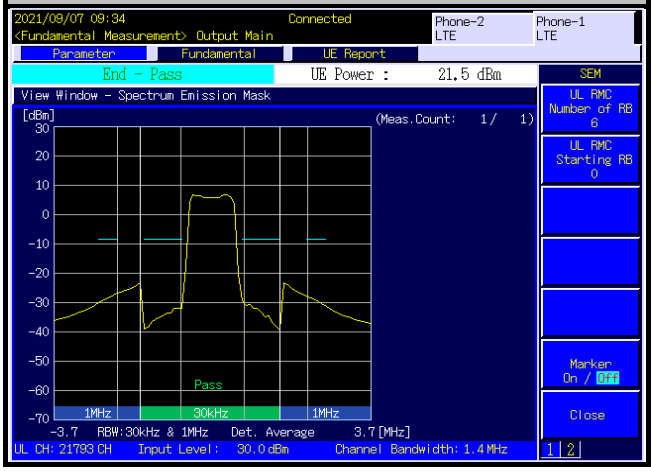
Ch21507



Ch21650

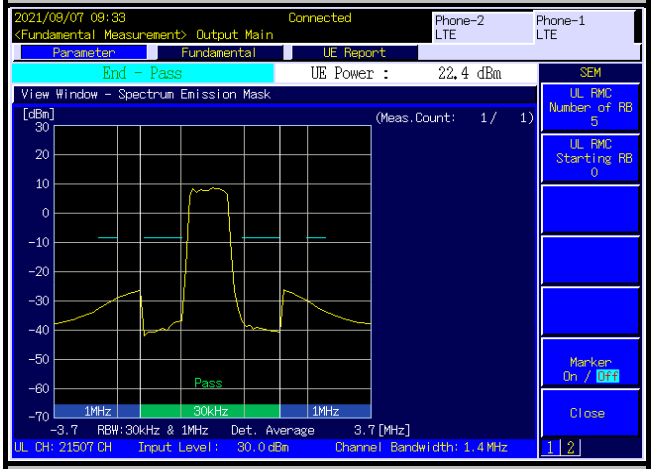


Ch21793

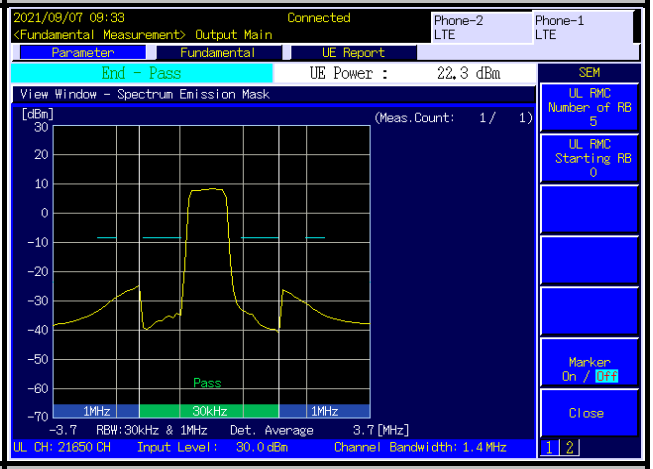


Bandwidth: 1.4 MHz / 16QAM (5 RB / 0 RB Offset)

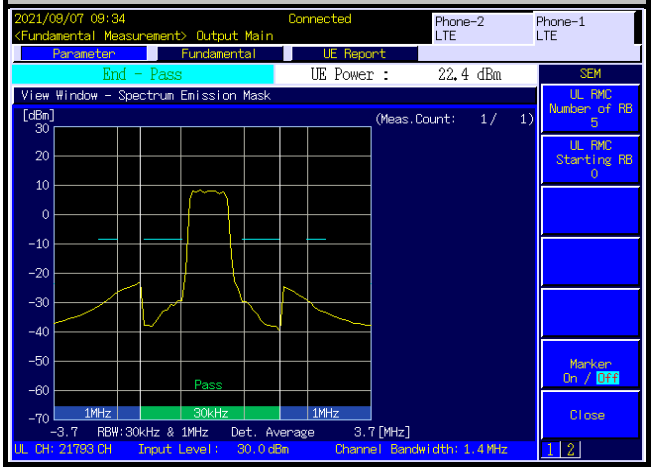
Ch21507



Ch21650

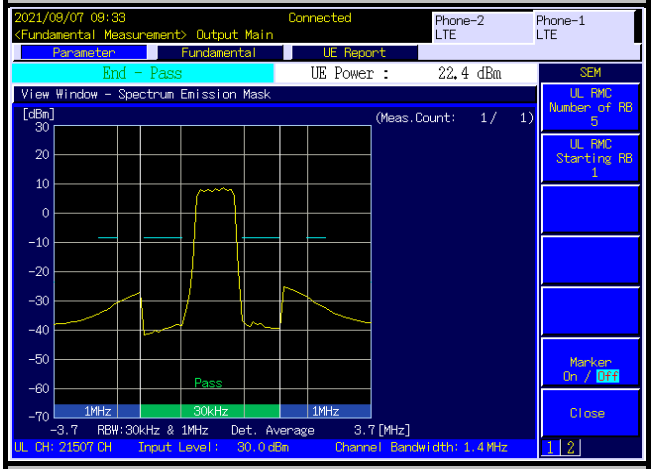


Ch21793

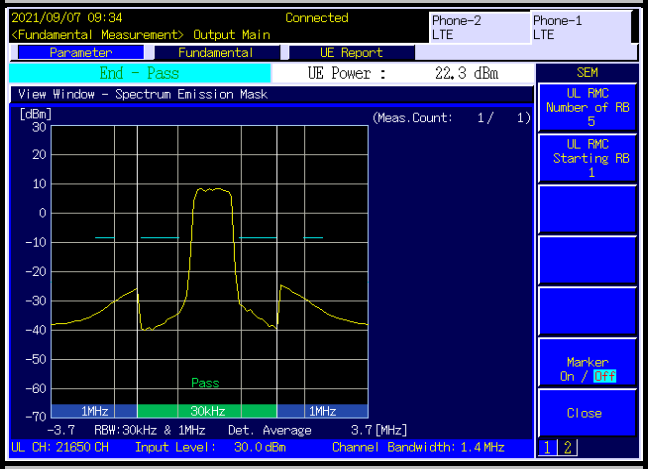


Bandwidth: 1.4 MHz / 16QAM (5 RB / 1 RB Offset)

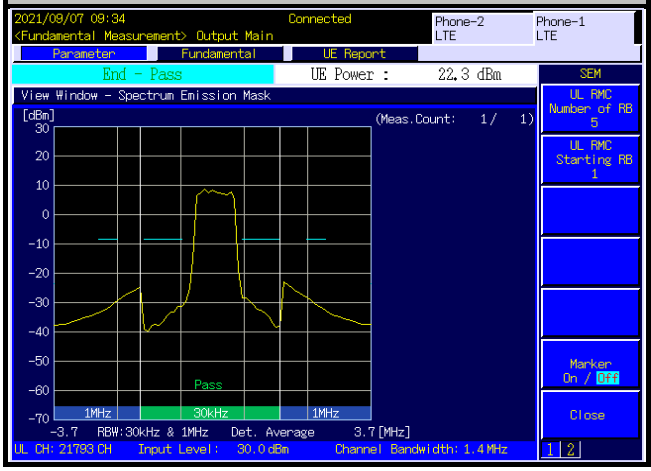
Ch21507



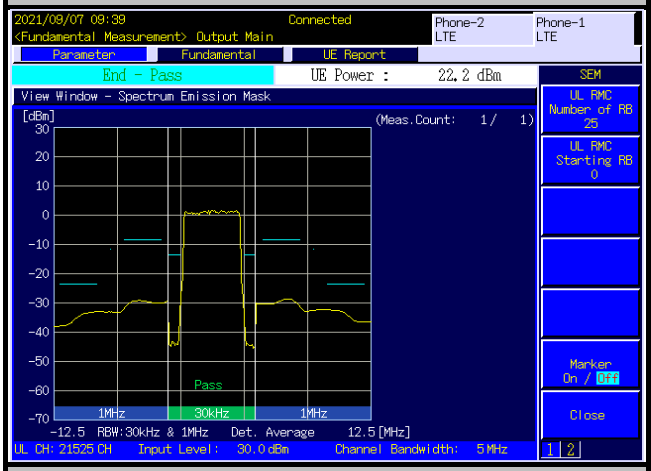
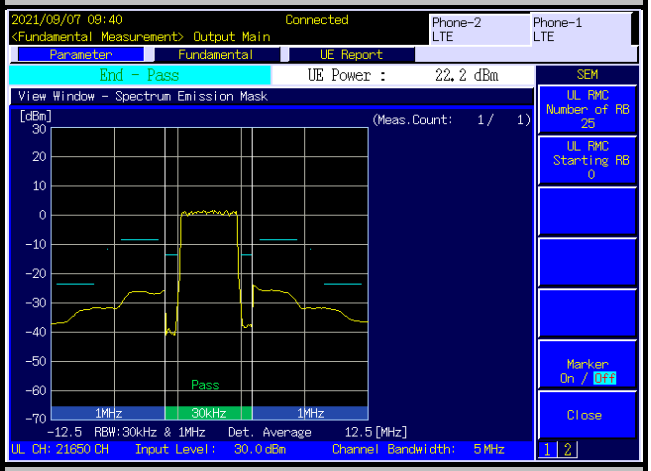
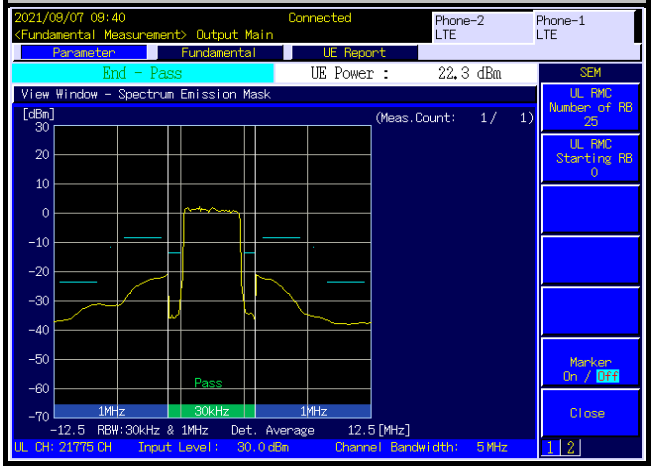
Ch21650



Ch21793

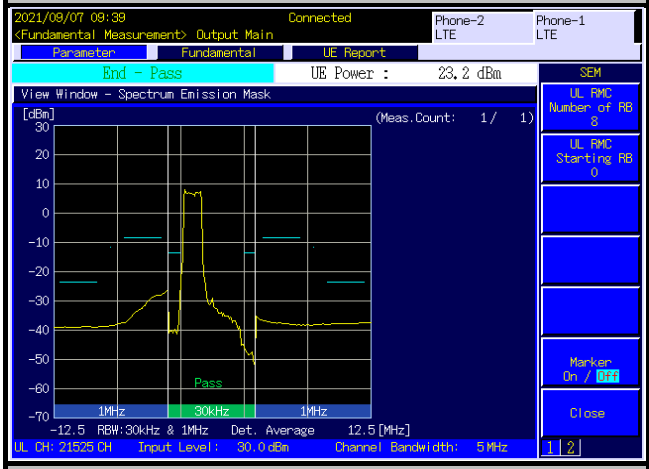


Bandwidth: 5 MHz / QPSK (25 RB / 0 RB Offset)

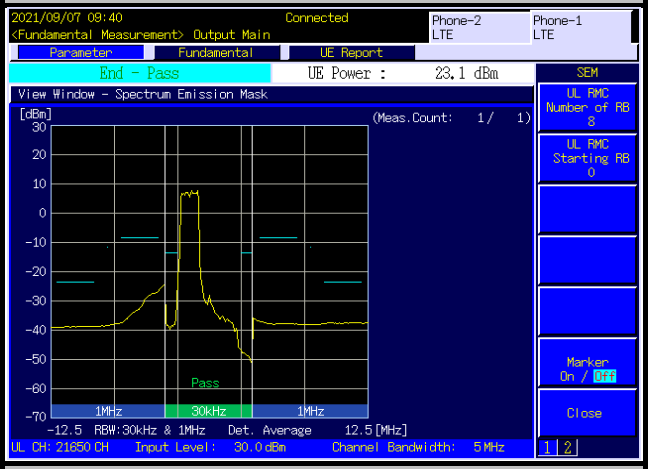
Ch21525	Ch21650
	
Ch21775	
	

Bandwidth: 5 MHz / QPSK (8 RB / 0 RB Offset)

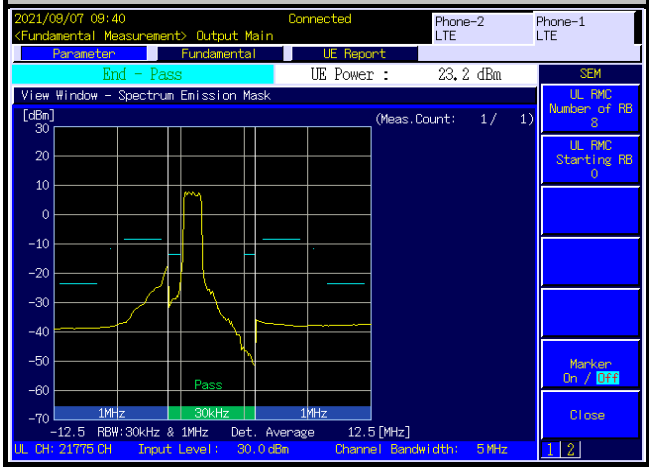
Ch21525



Ch21650

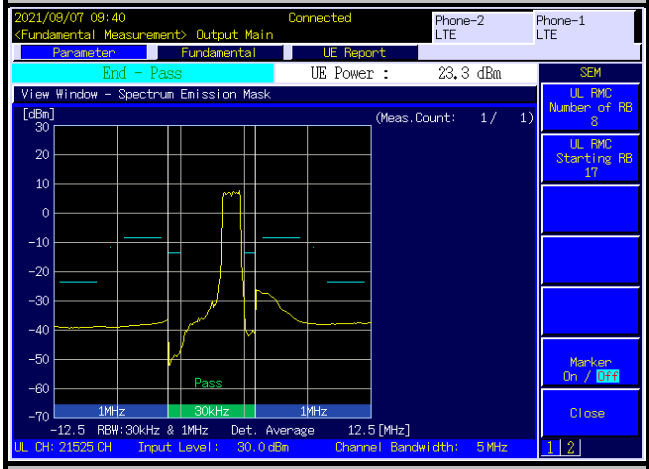


Ch21775

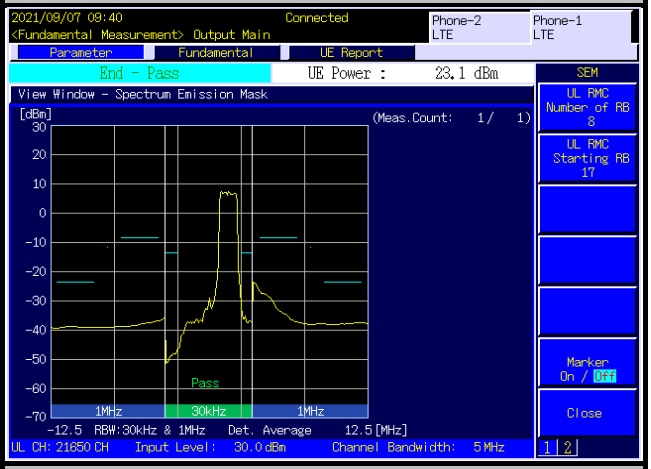


Bandwidth: 5 MHz / QPSK (8 RB / 17 RB Offset)

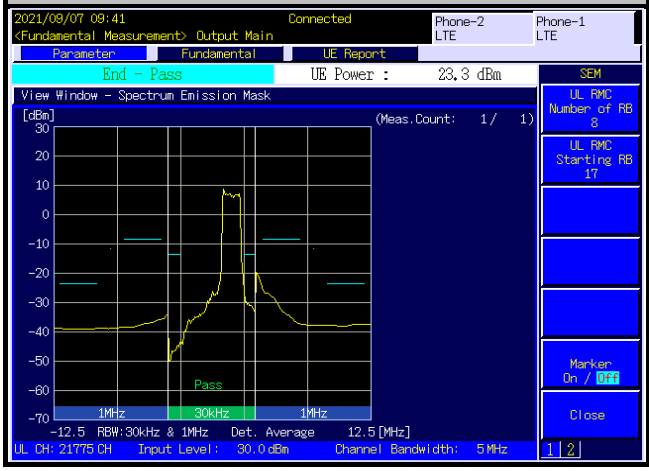
Ch21525



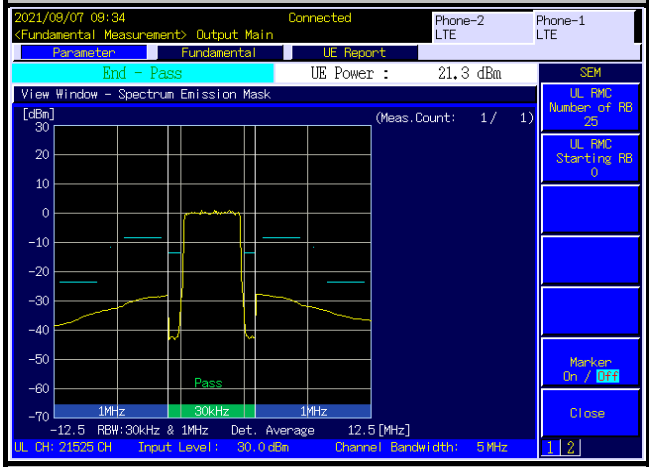
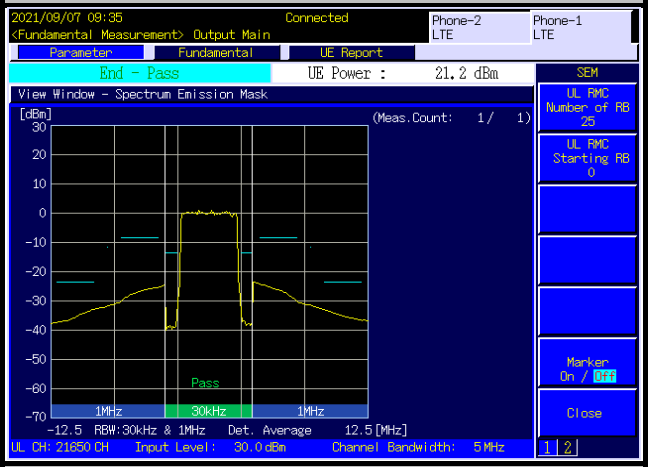
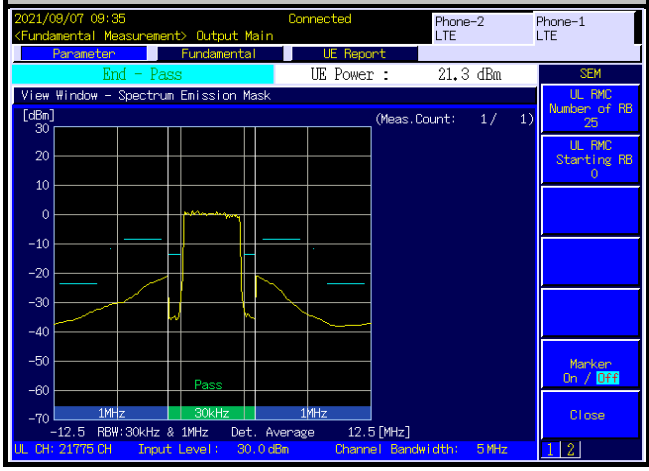
Ch21650



Ch21775

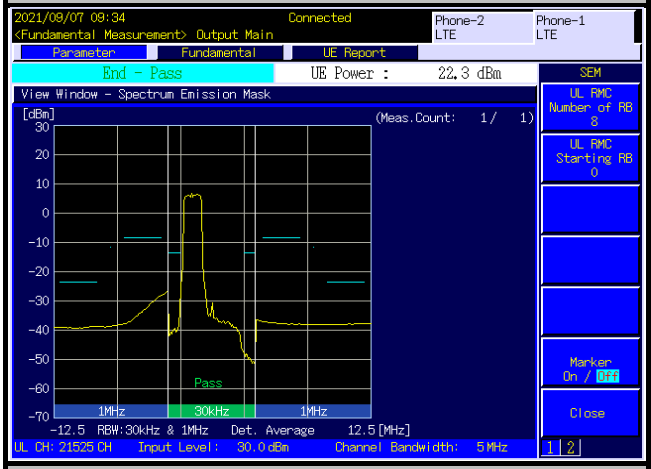


Bandwidth: 5 MHz / 16QAM (25 RB / 0 RB Offset)

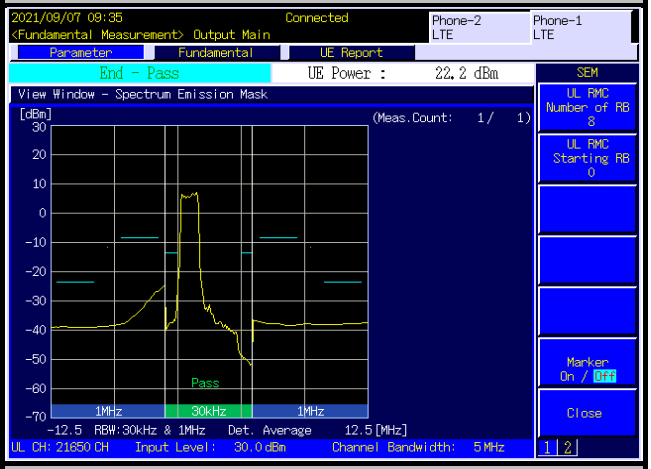
Ch21525	Ch21650
	
Ch21775	
	

Bandwidth: 5 MHz / 16QAM (8 RB / 0 RB Offset)

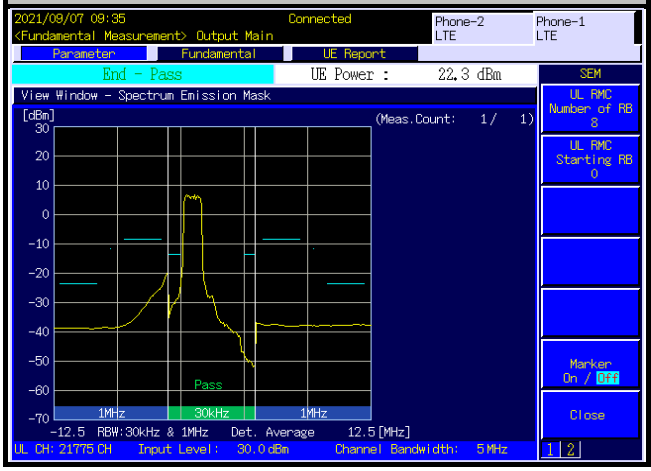
Ch21525



Ch21650

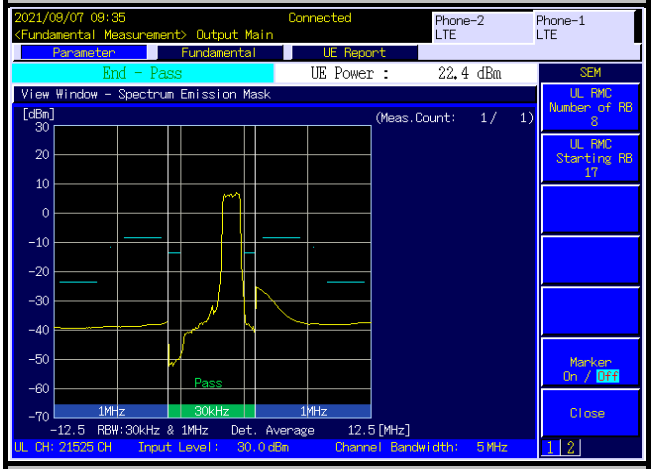


Ch21775

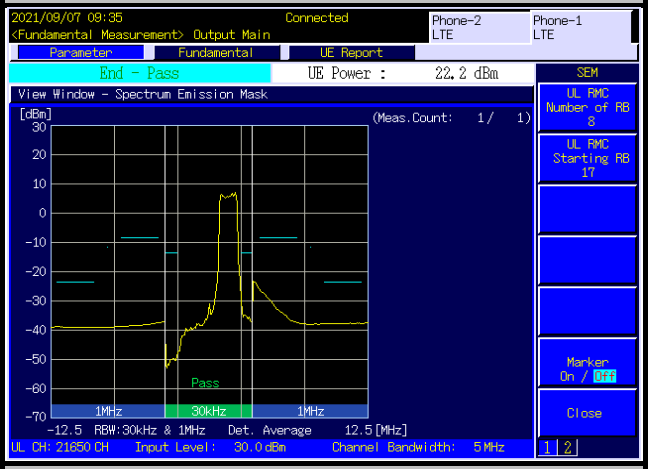


Bandwidth: 5 MHz / 16QAM (8 RB / 17 RB Offset)

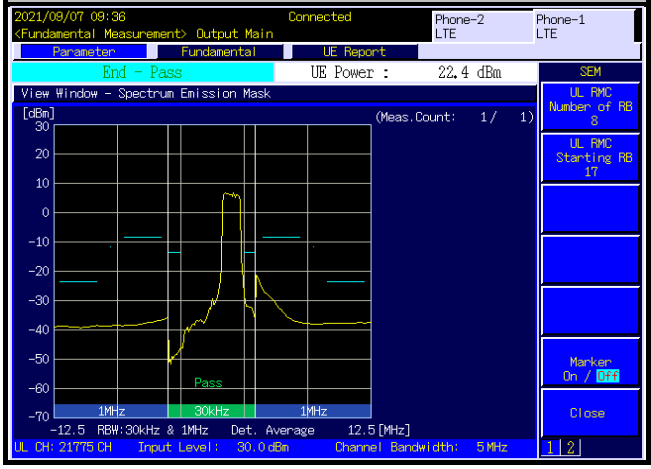
Ch21525



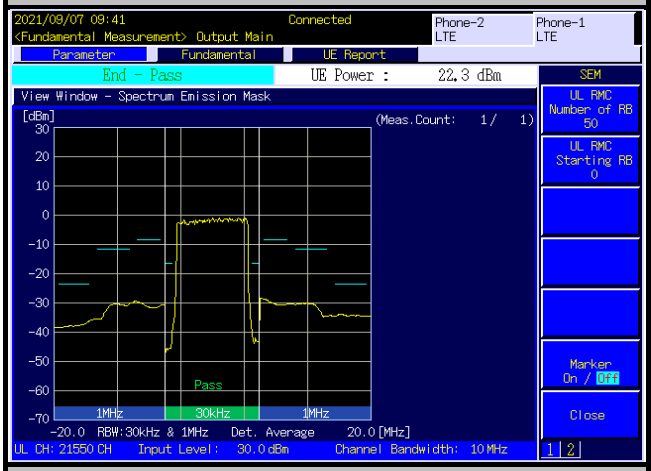
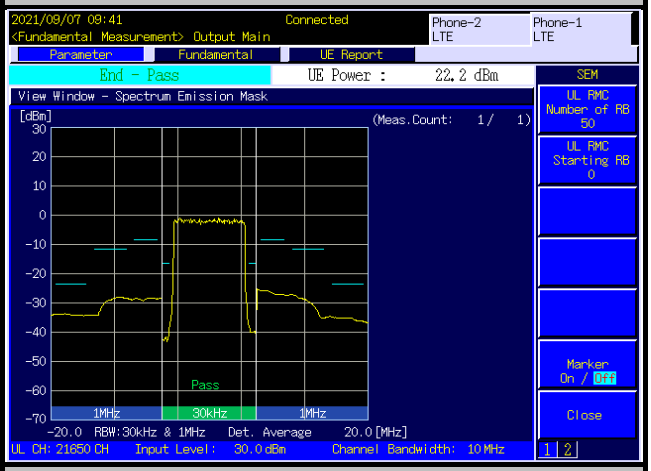
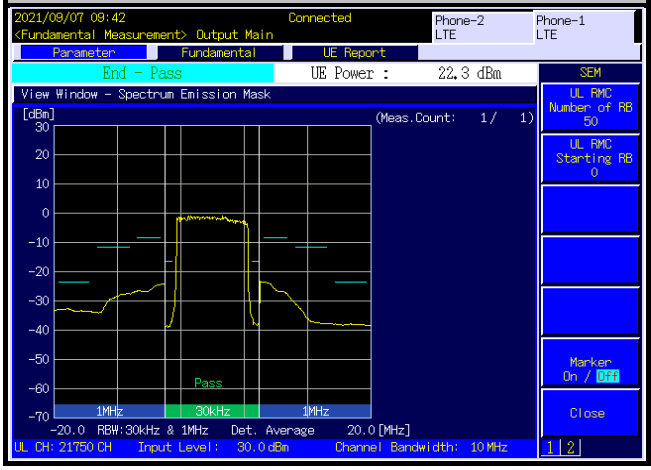
Ch21650



Ch21775

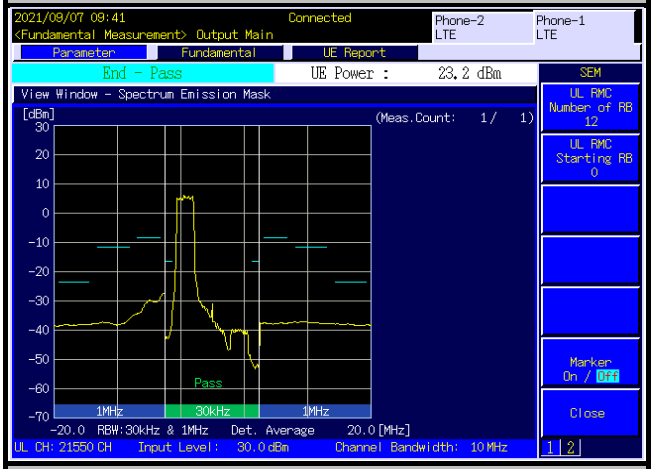


Bandwidth: 10 MHz / QPSK (50 RB / 0 RB Offset)

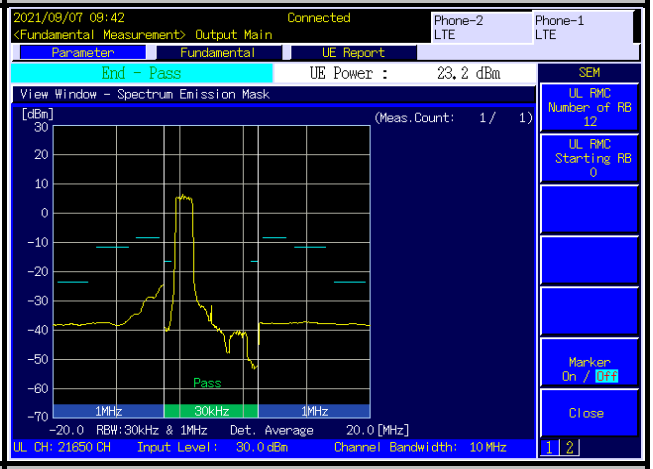
Ch21550	Ch21650
	
Ch21750	
	

Bandwidth: 10 MHz / QPSK (12 RB / 0 RB Offset)

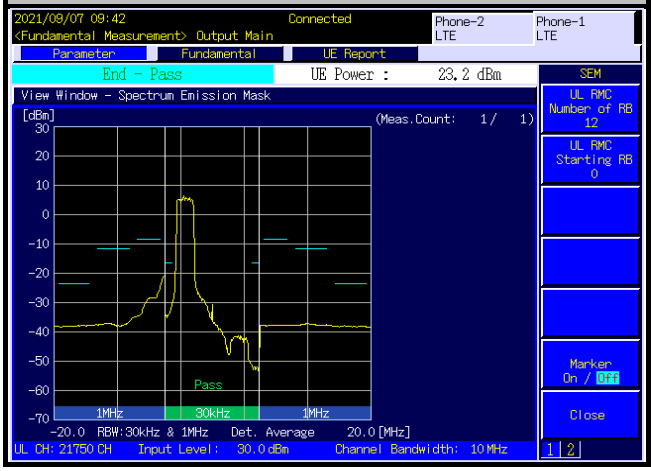
Ch21550



Ch21650

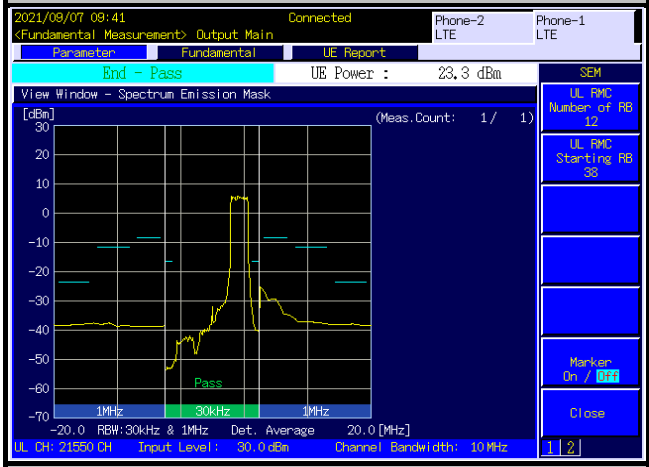


Ch21750

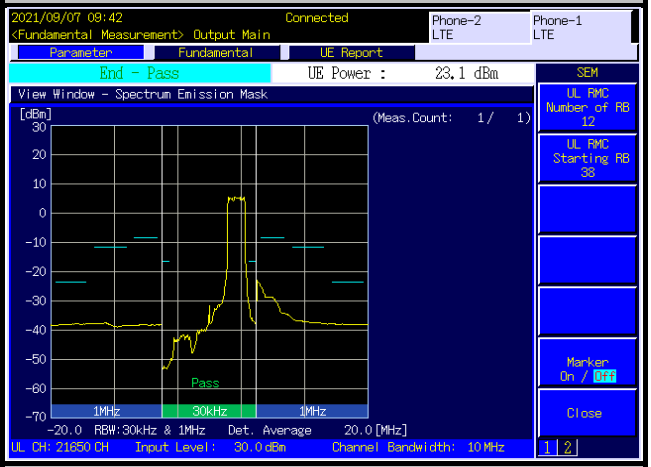


Bandwidth: 10 MHz / QPSK (12 RB / 38 RB Offset)

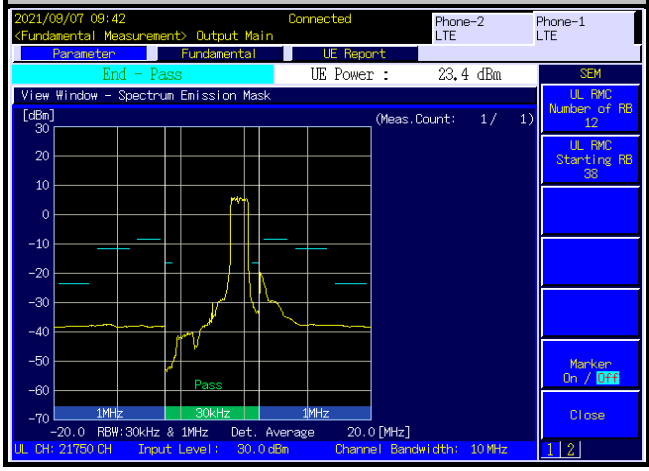
Ch21550



Ch21650

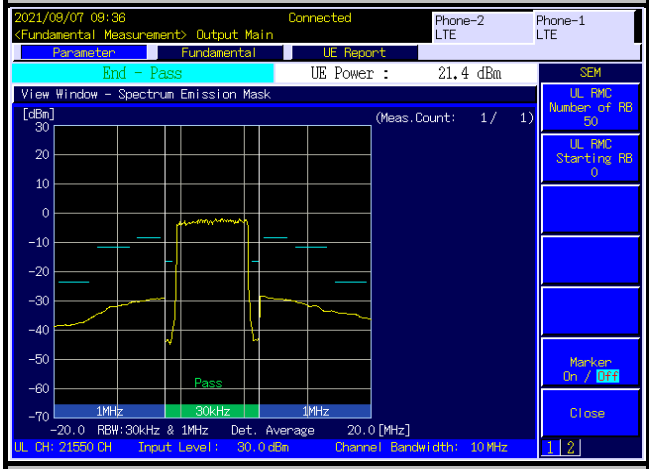


Ch21750

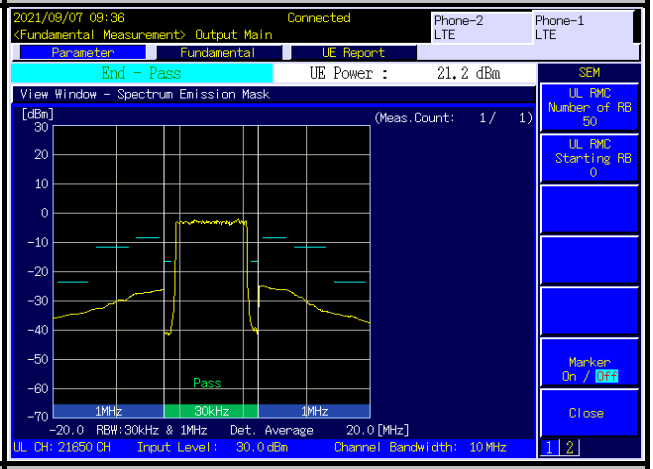


Bandwidth: 10 MHz / 16QAM (50 RB / 0 RB Offset)

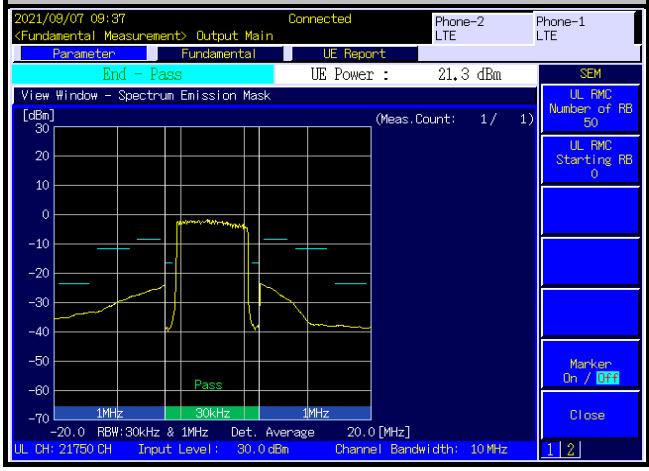
Ch21550



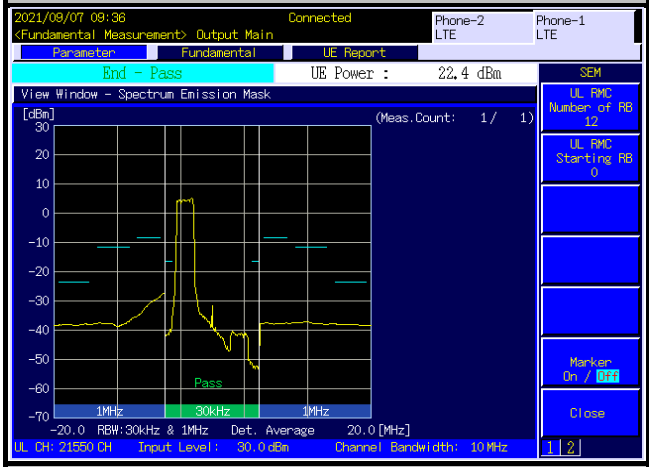
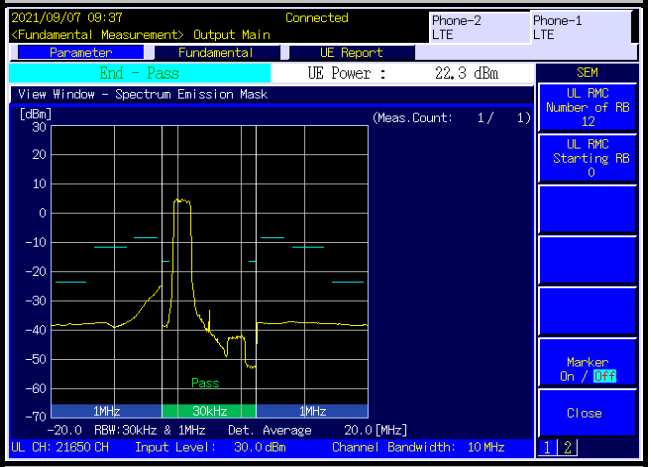
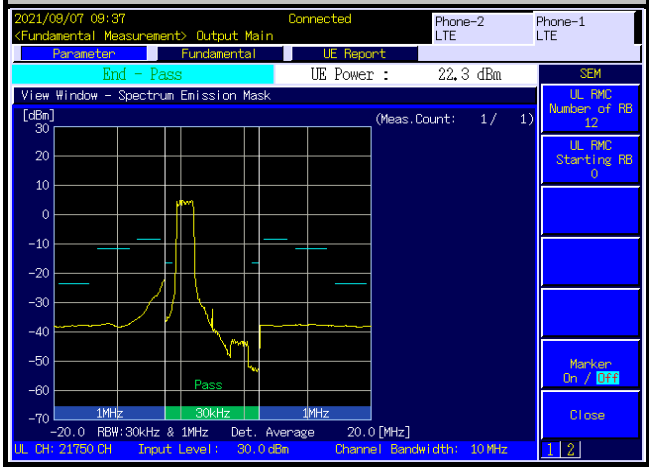
Ch21650



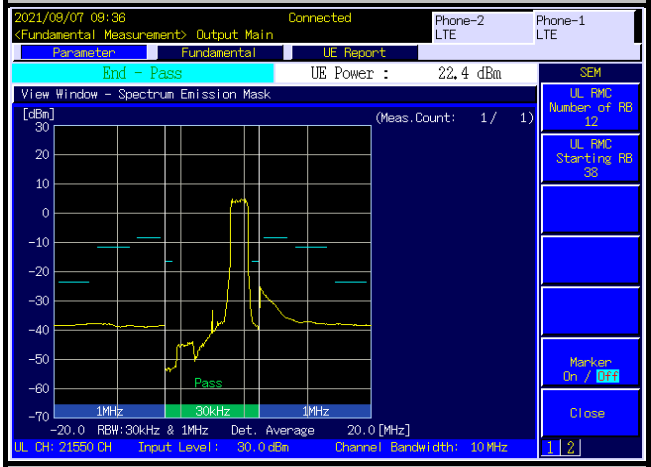
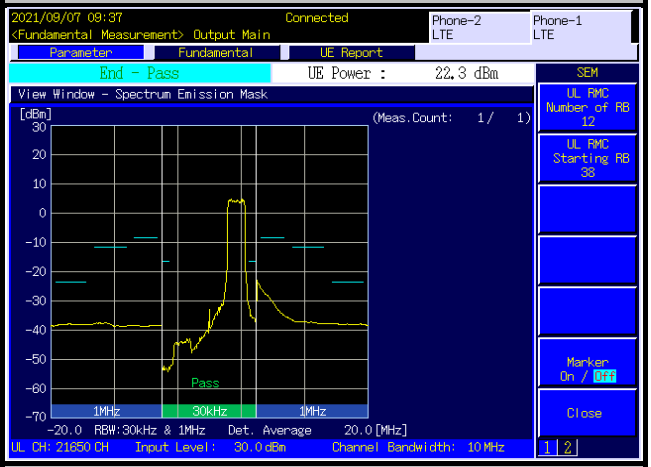
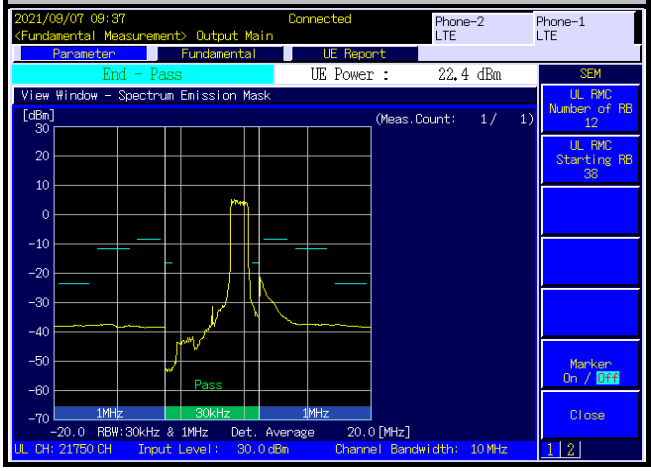
Ch21750



Bandwidth: 10 MHz / 16QAM (12 RB / 0 RB Offset)

Ch21550	Ch21650
	
Ch21750	
	

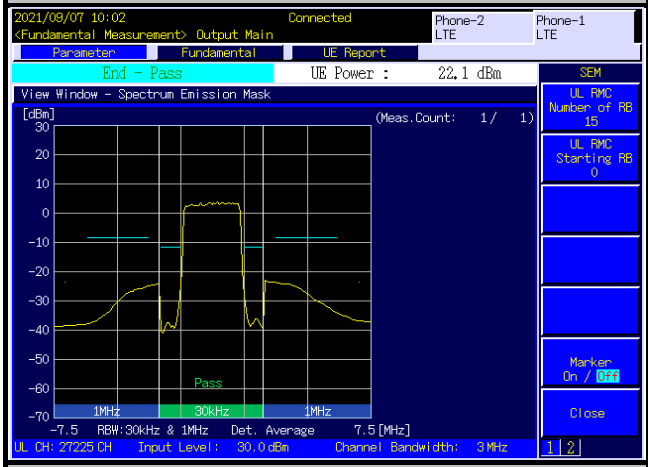
Bandwidth: 10 MHz / 16QAM (12 RB / 38 RB Offset)

Ch21550	Ch21650
	
Ch21750	
	

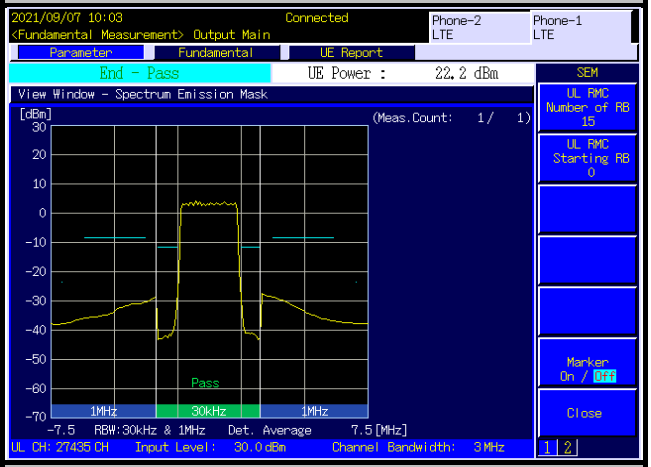
LTE Band 28

Bandwidth: 3 MHz / QPSK (15 RB / 0 RB Offset)

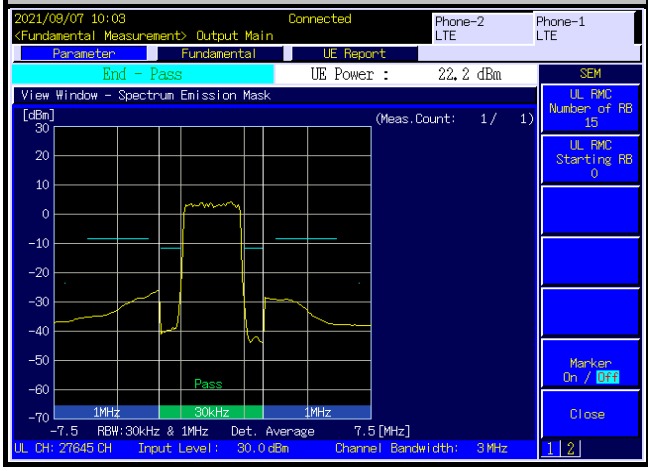
Ch27225



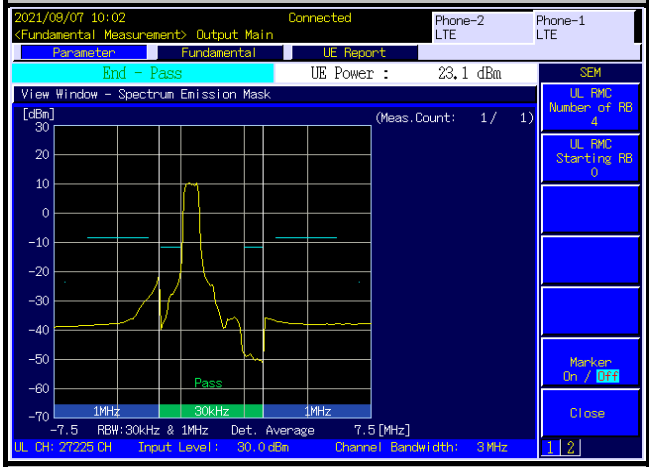
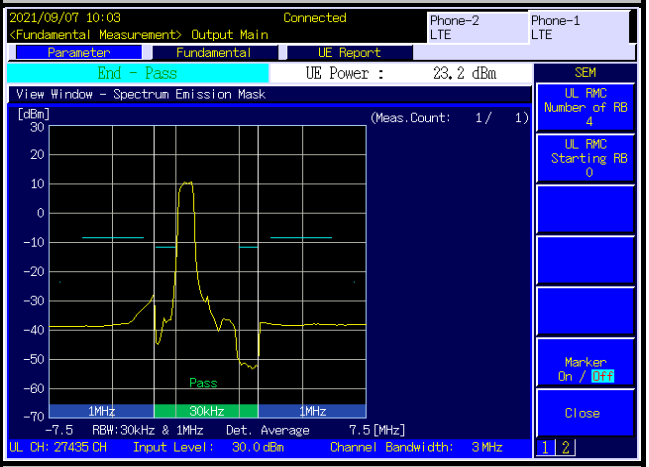
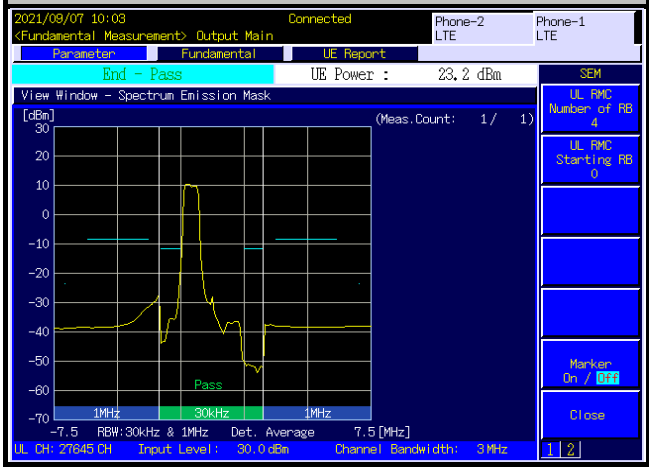
Ch27435



Ch27645

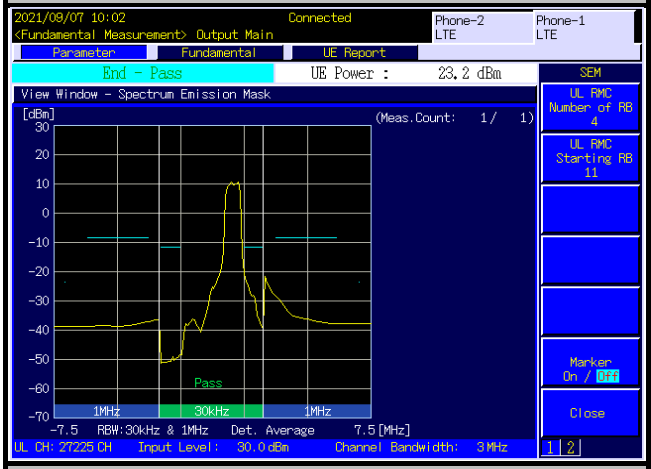


Bandwidth: 3 MHz / QPSK (4 RB / 0 RB Offset)

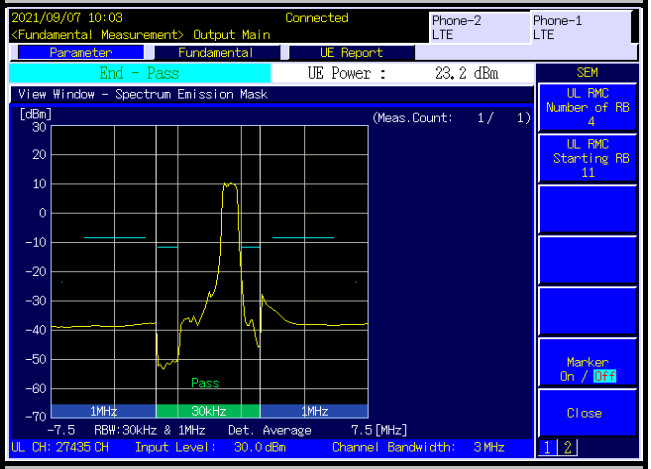
Ch27225	Ch27435
	
Ch27645	
	

Bandwidth: 3 MHz / QPSK (4 RB / 11 RB Offset)

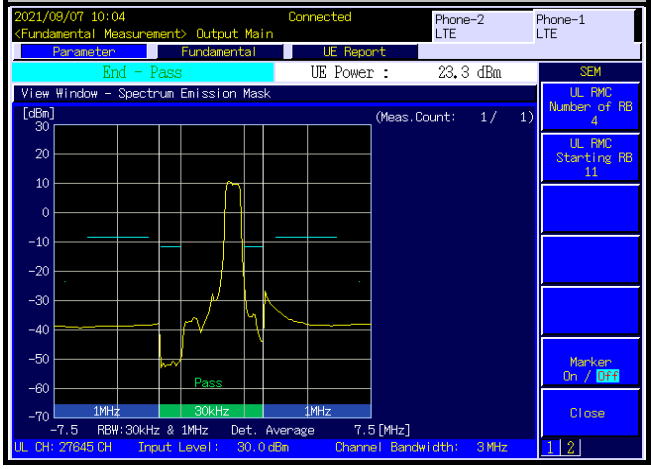
Ch27225



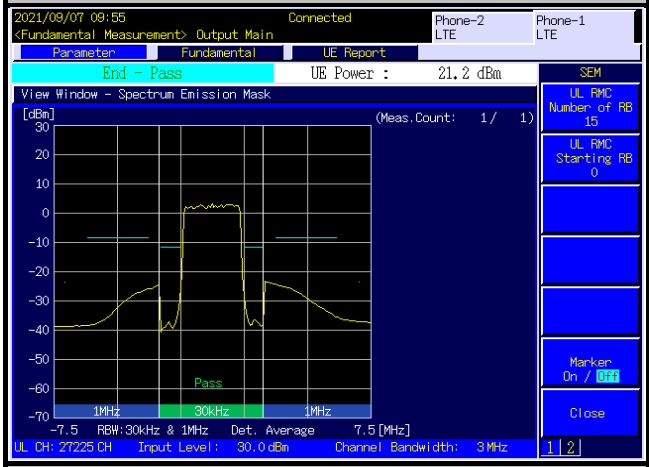
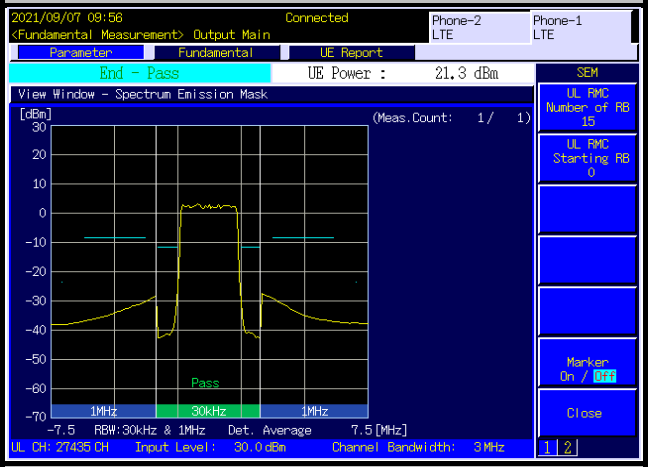
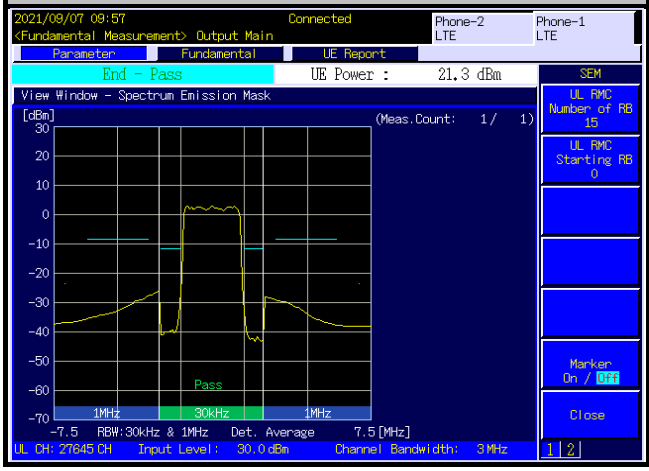
Ch27435



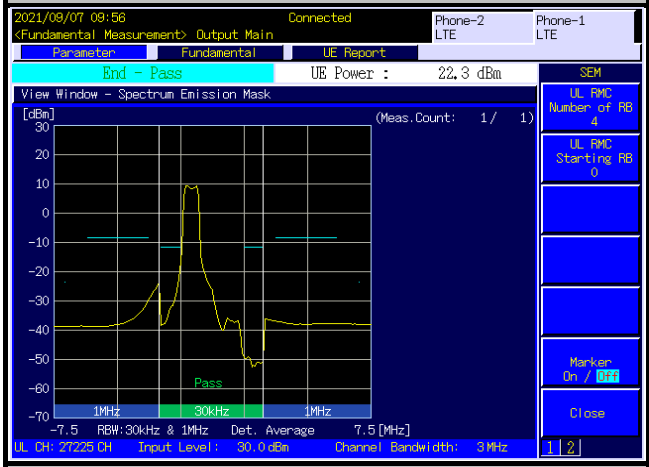
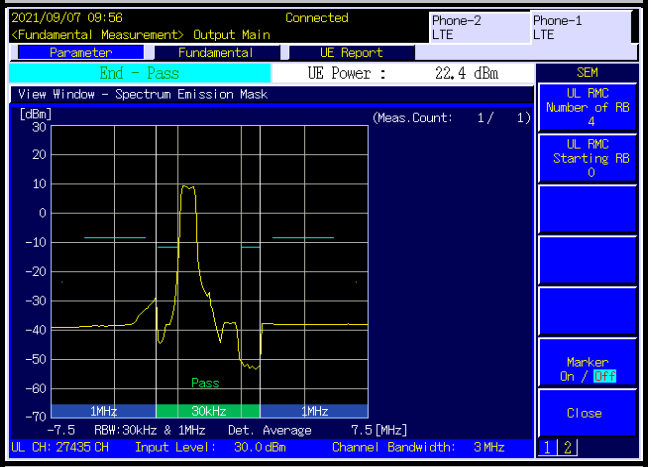
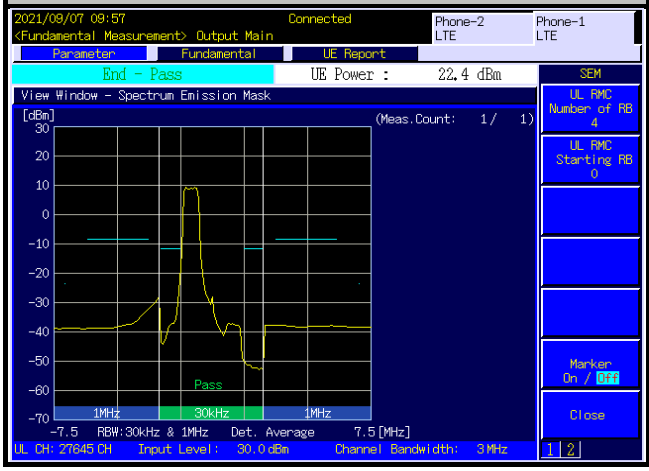
Ch27645



Bandwidth: 3 MHz / 16QAM (15 RB / 0 RB Offset)

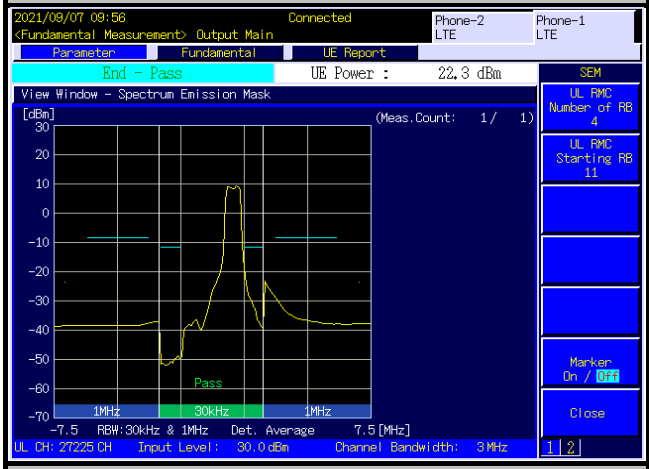
Ch27225	Ch27435
	
Ch27645	
	

Bandwidth: 3 MHz / 16QAM (4 RB / 0 RB Offset)

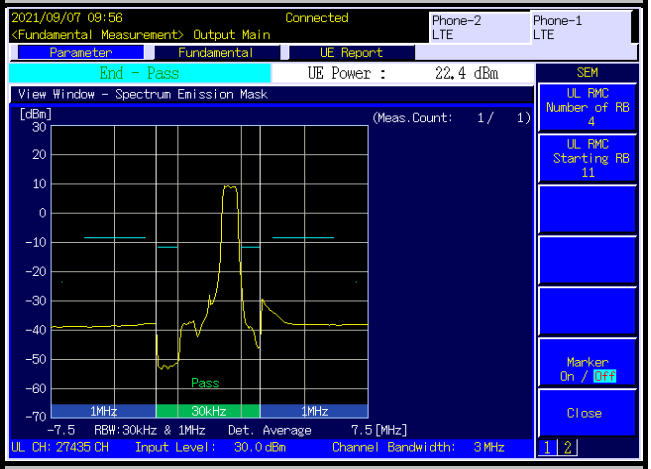
Ch27225	Ch27435
	
Ch27645	
	

Bandwidth: 3 MHz / 16QAM (4 RB / 11 RB Offset)

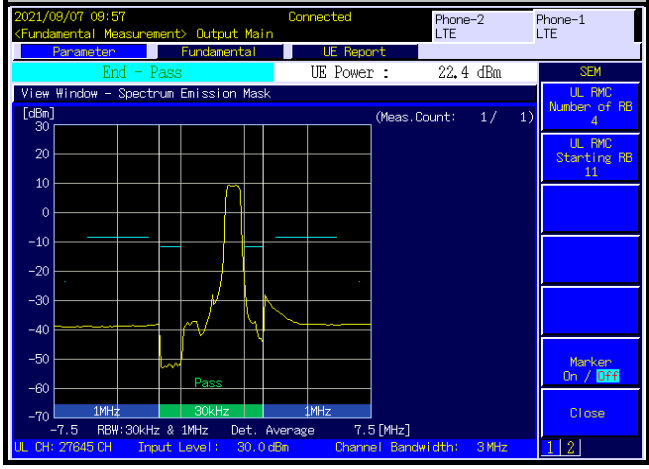
Ch27225



Ch27435

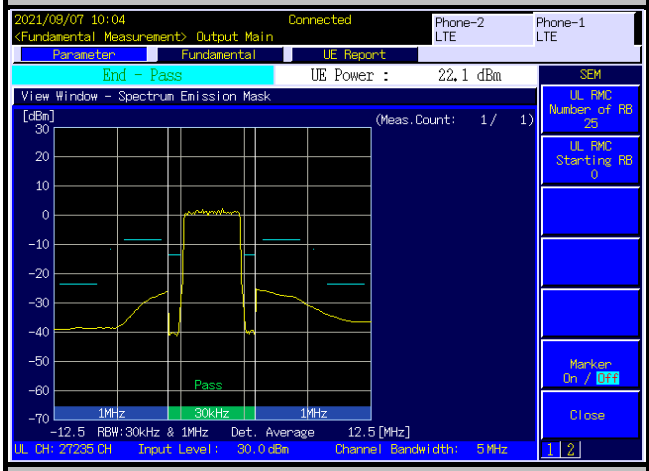


Ch27645

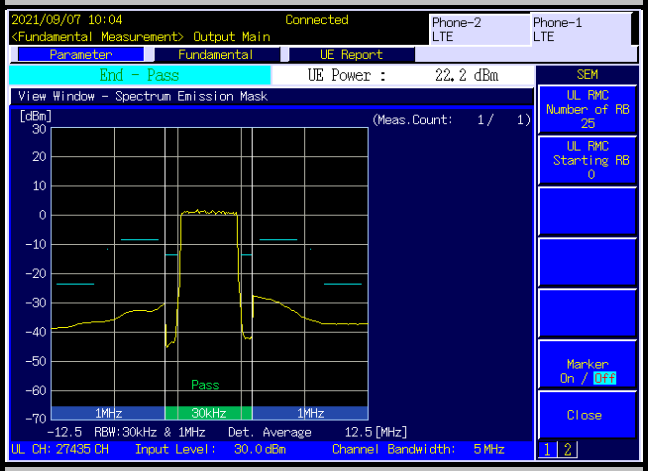


Bandwidth: 5 MHz / QPSK (25 RB / 0 RB Offset)

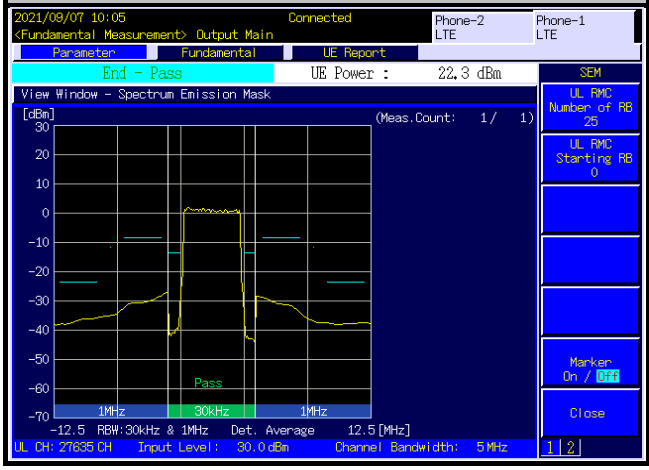
Ch27235



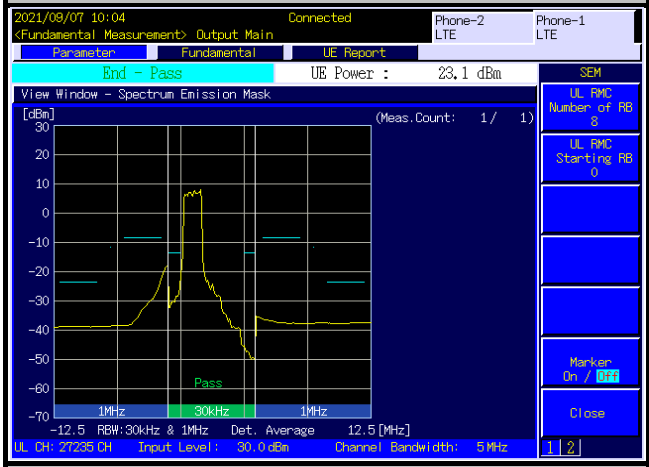
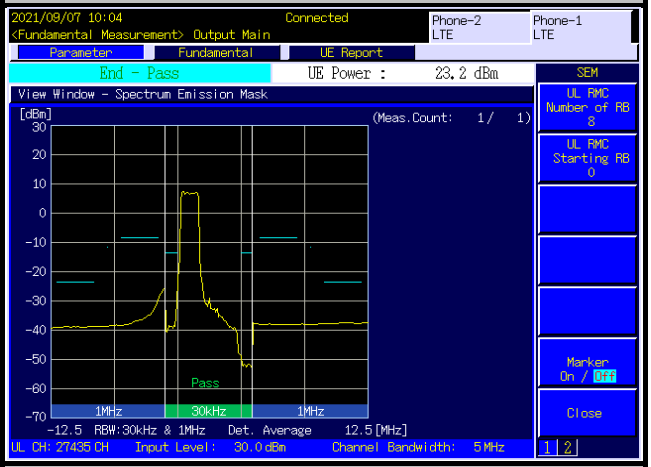
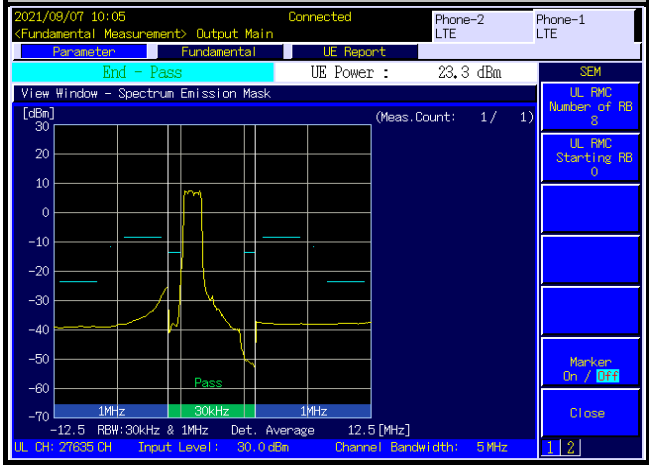
Ch27435



Ch27635

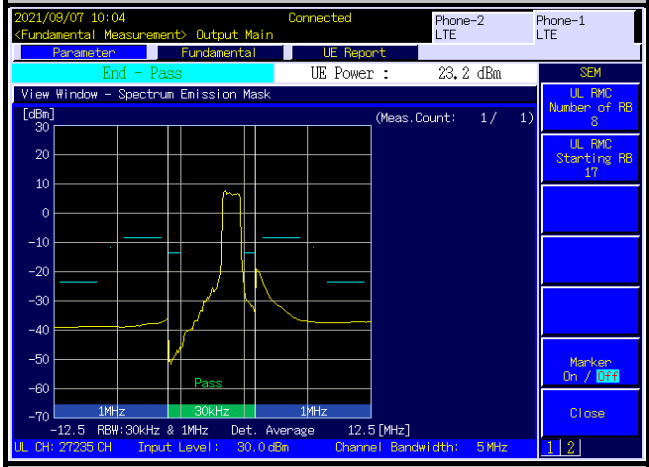


Bandwidth: 5 MHz / QPSK (8 RB / 0 RB Offset)

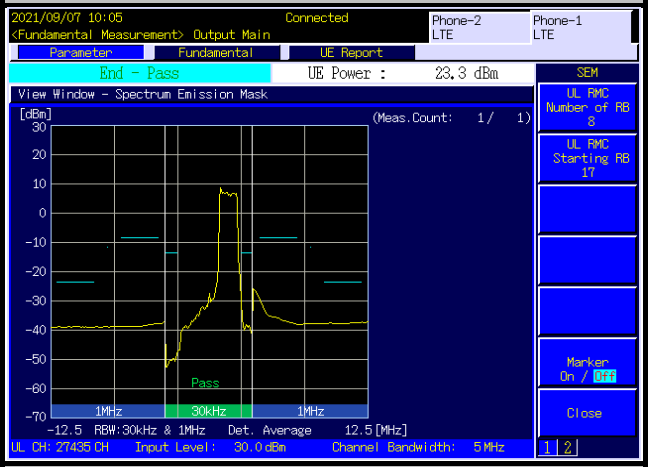
Ch27235	Ch27435
	
Ch27635	
	

Bandwidth: 5 MHz / QPSK (8 RB / 17 RB Offset)

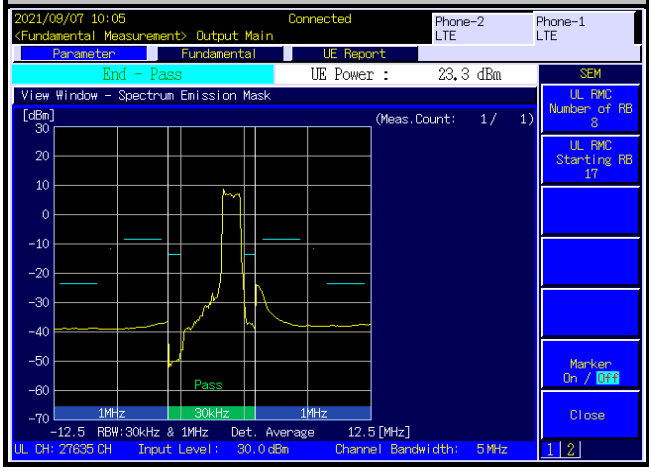
Ch27235



Ch27435

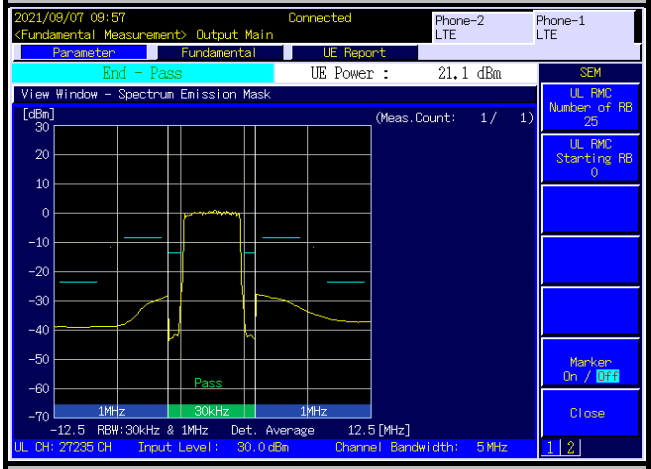


Ch27635

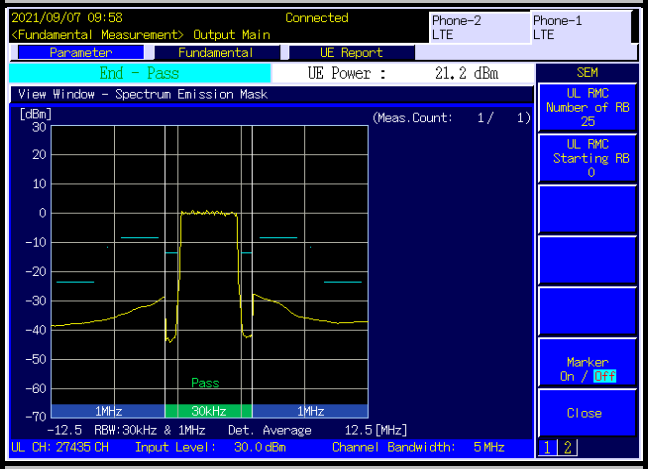


Bandwidth: 5 MHz / 16QAM (25 RB / 0 RB Offset)

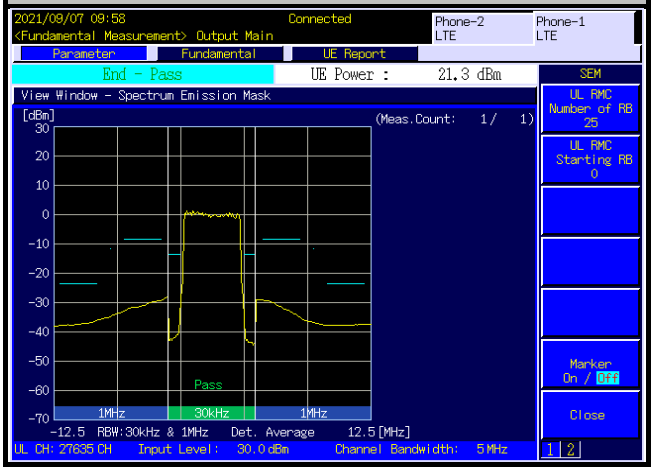
Ch27235



Ch27435

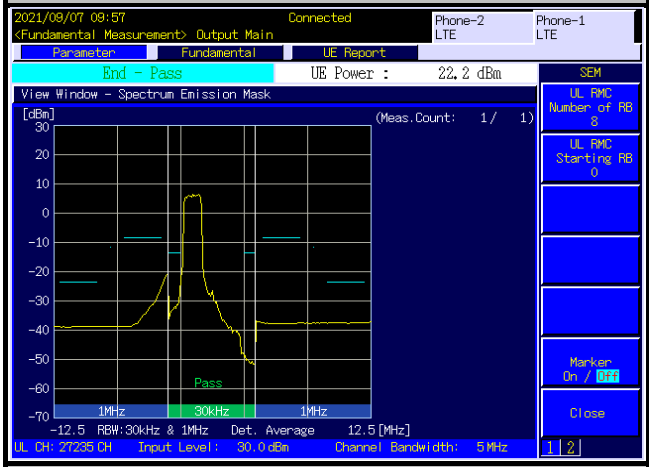


Ch27635

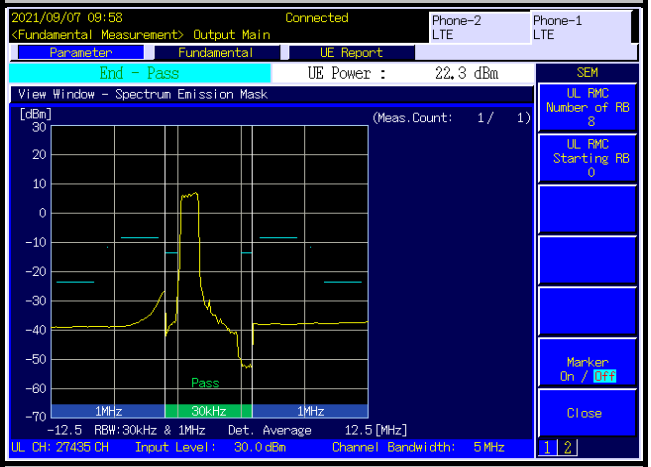


Bandwidth: 5 MHz / 16QAM (8 RB / 0 RB Offset)

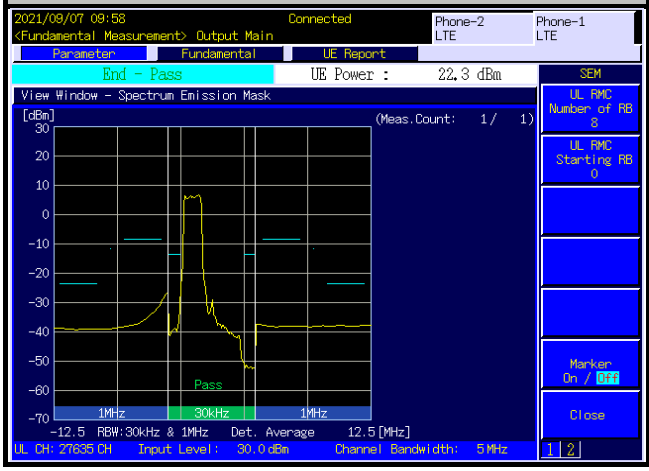
Ch27235



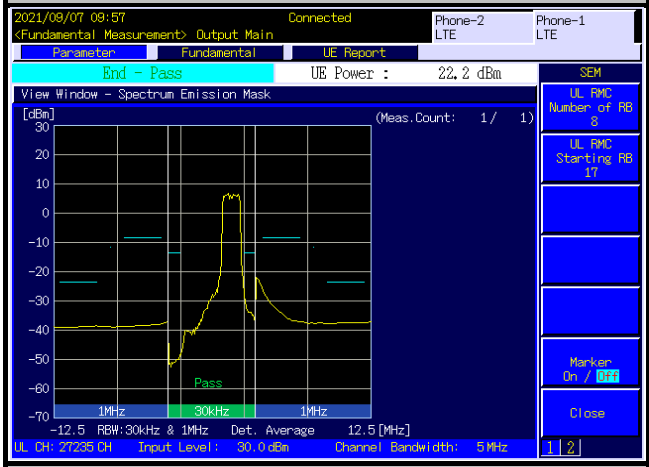
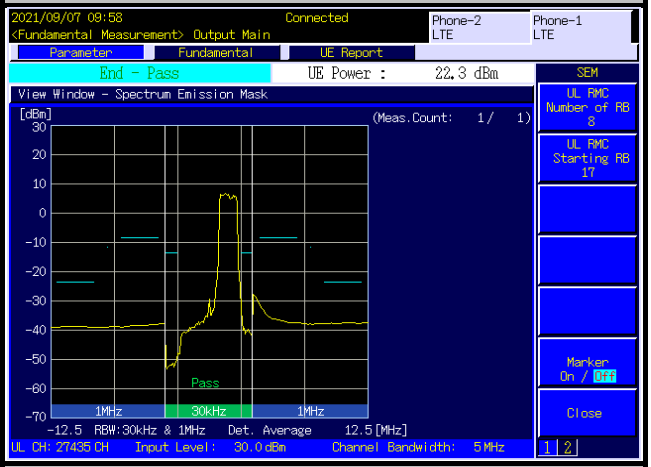
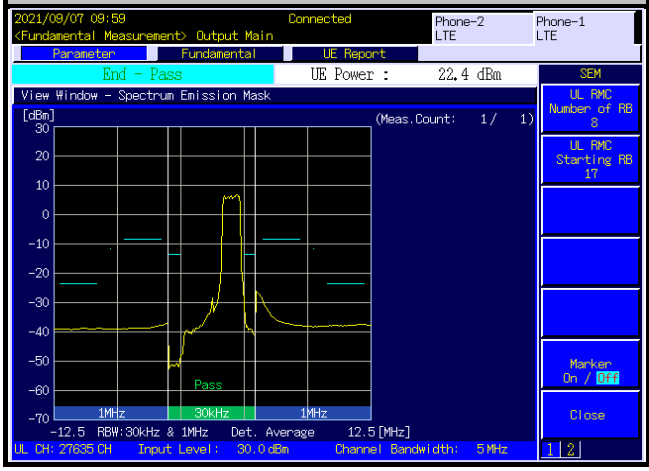
Ch27435



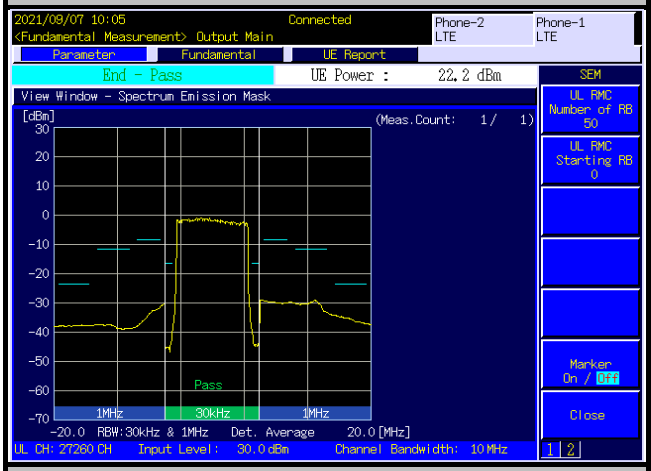
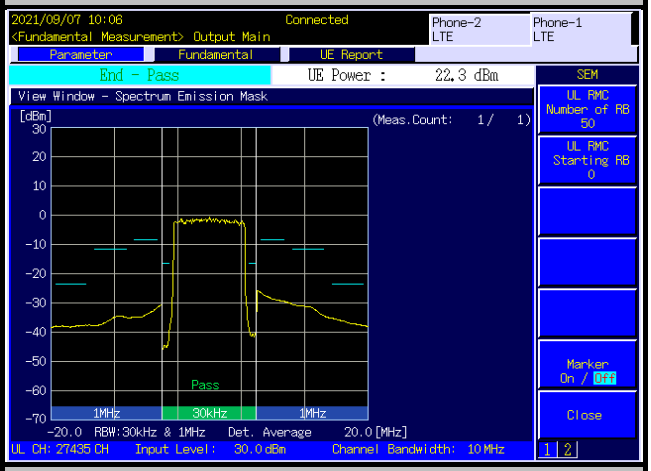
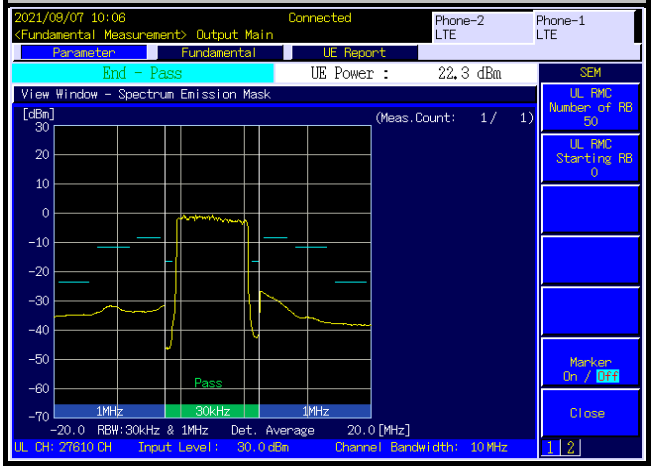
Ch27635



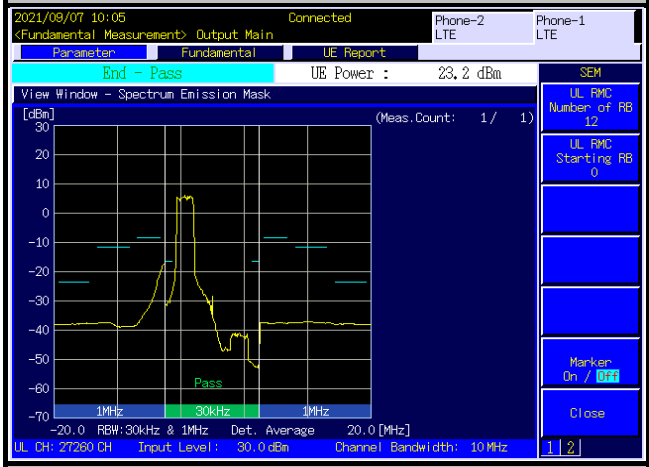
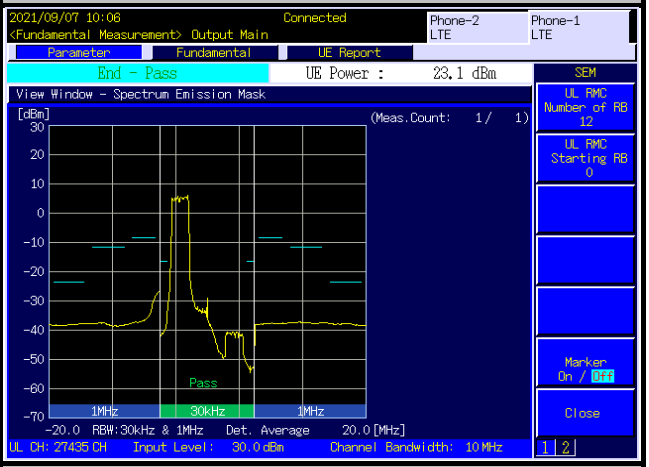
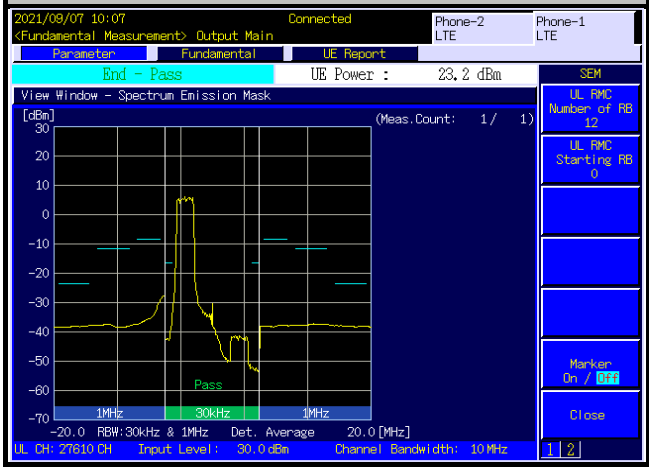
Bandwidth: 5 MHz / 16QAM (8 RB / 17 RB Offset)

Ch27235	Ch27435
	
Ch27635	
	

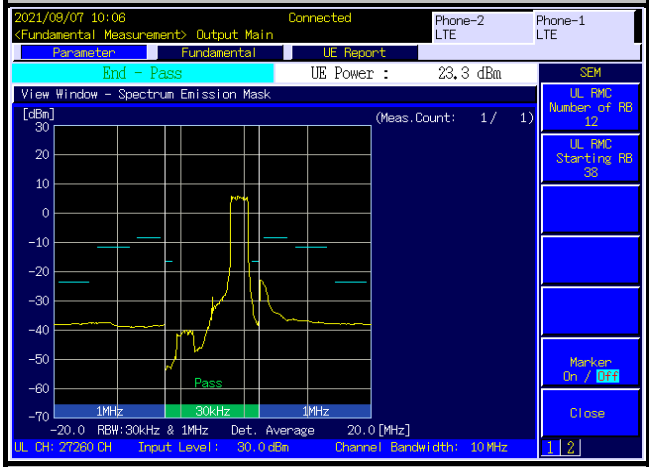
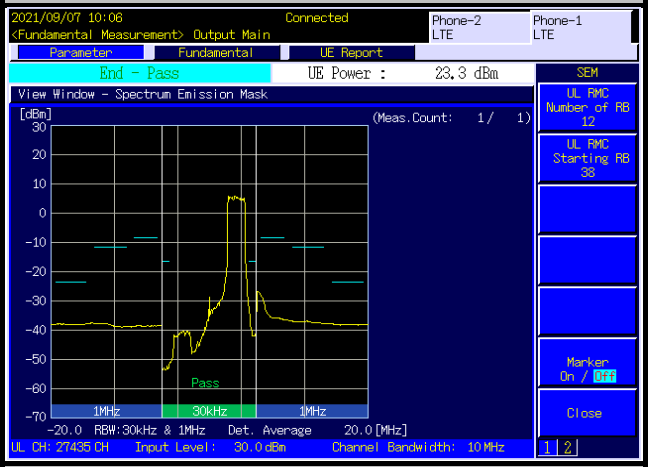
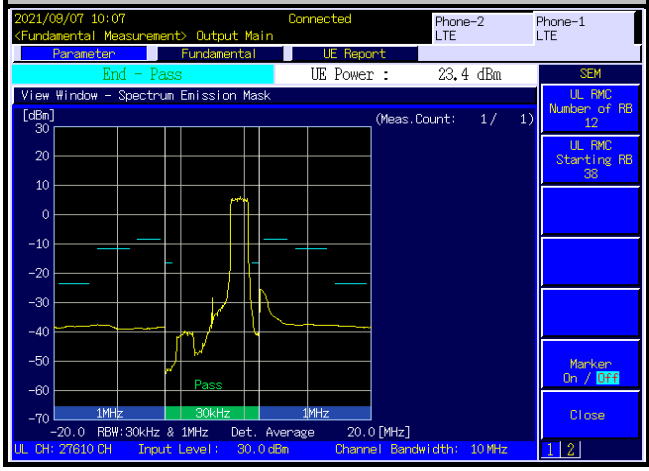
Bandwidth: 10 MHz / QPSK (50 RB / 0 RB Offset)

Ch27260	Ch27435
	
Ch27610	
	

Bandwidth: 10 MHz / QPSK (12 RB / 0 RB Offset)

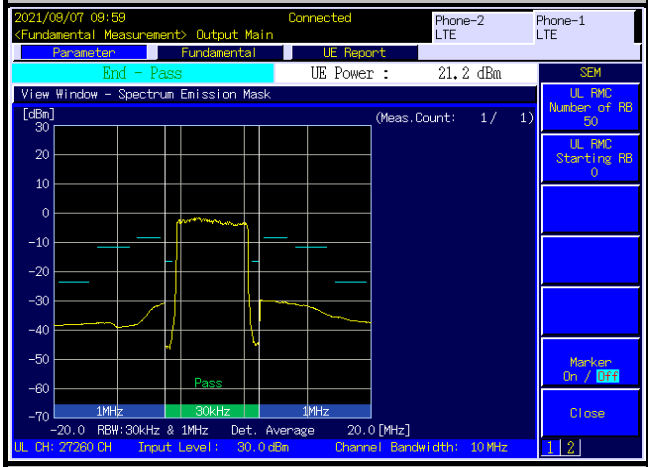
Ch27260	Ch27435
	
Ch27610	
	

Bandwidth: 10 MHz / QPSK (12 RB / 38 RB Offset)

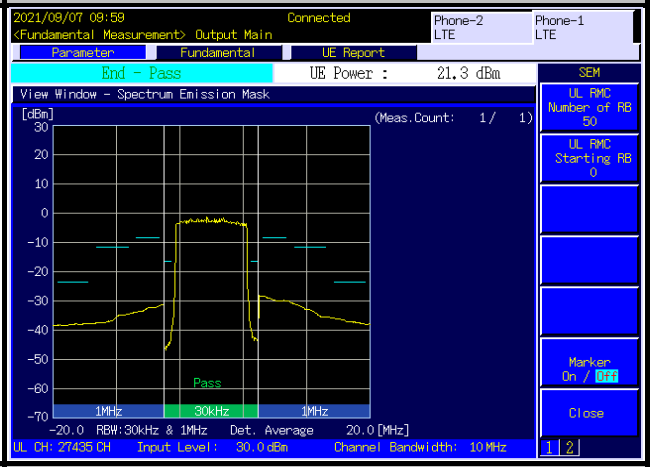
Ch27260	Ch27435
	
Ch27610	
	

Bandwidth: 10 MHz / 16QAM (50 RB / 0 RB Offset)

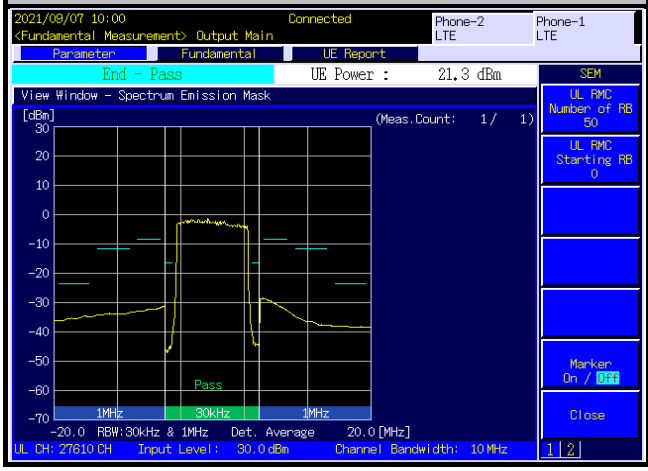
Ch27260



Ch27435

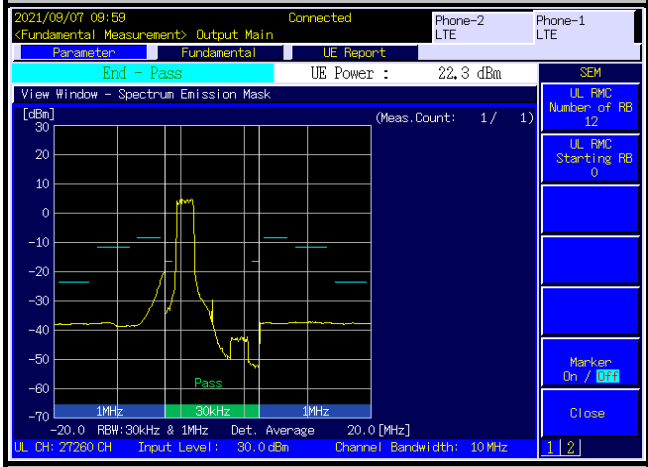


Ch27610

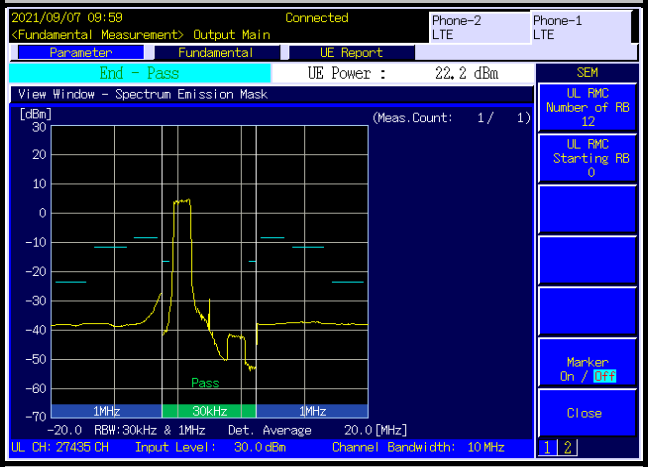


Bandwidth: 10 MHz / 16QAM (12 RB / 0 RB Offset)

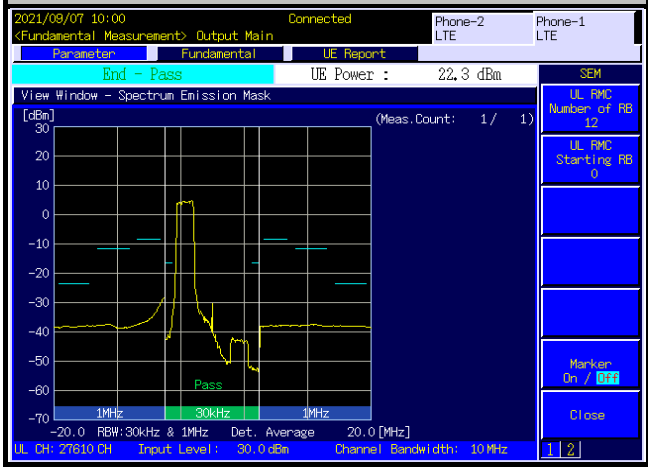
Ch27260



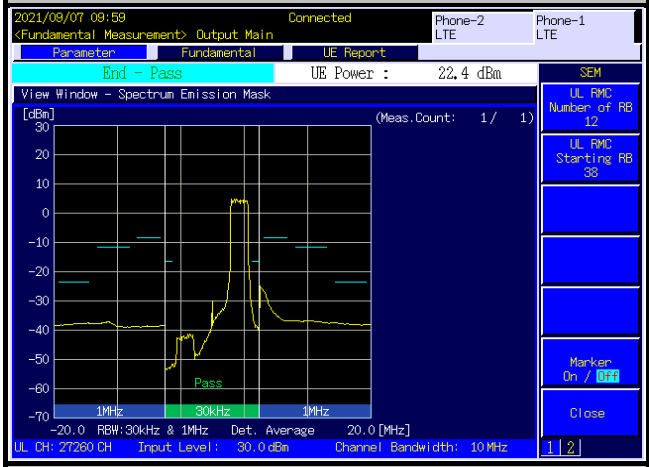
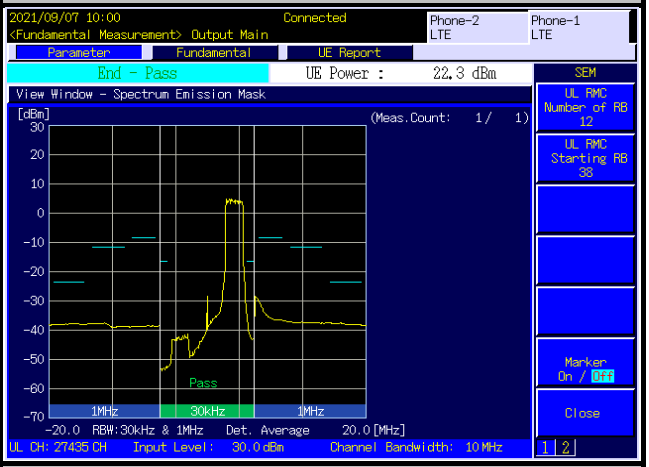
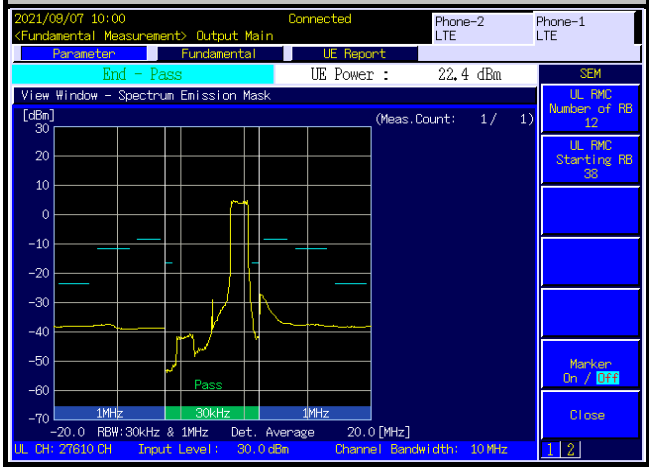
Ch27435



Ch27610

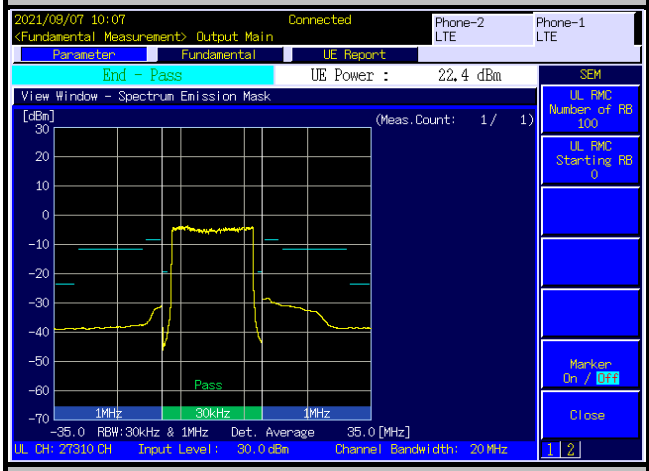


Bandwidth: 10 MHz / 16QAM (12 RB / 38 RB Offset)

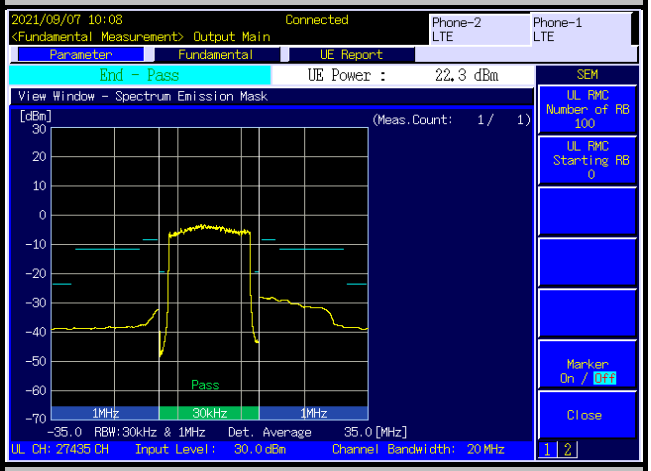
Ch27260	Ch27435
	
Ch27610	
	

Bandwidth: 20 MHz / QPSK (100 RB / 0 RB Offset)

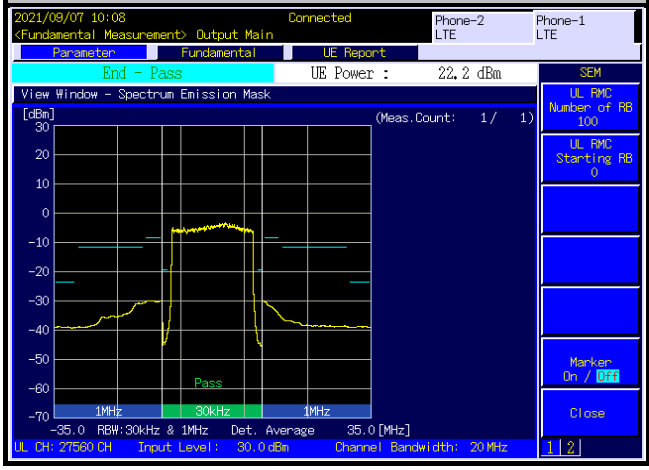
Ch27310



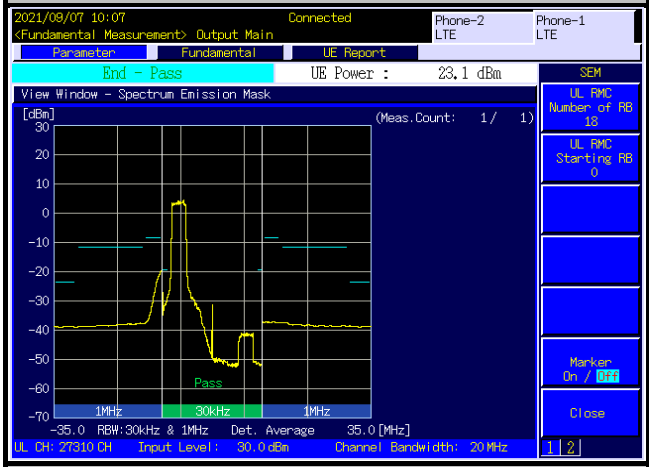
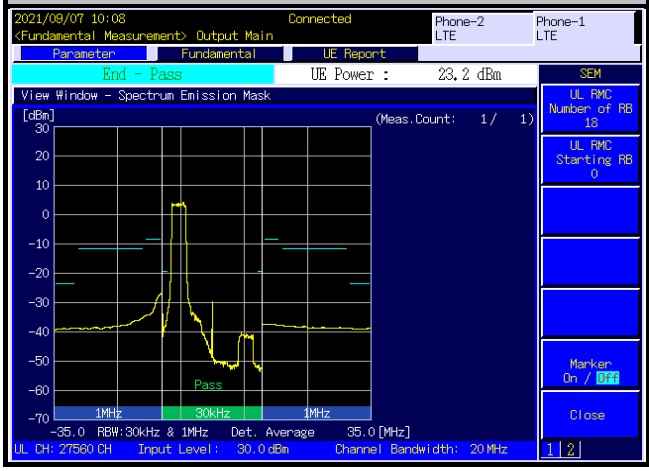
Ch27435



Ch27560

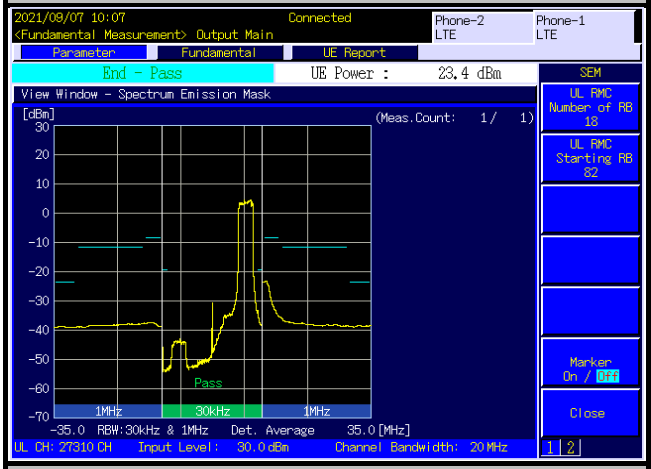


Bandwidth: 20 MHz / QPSK (18 RB / 0 RB Offset)

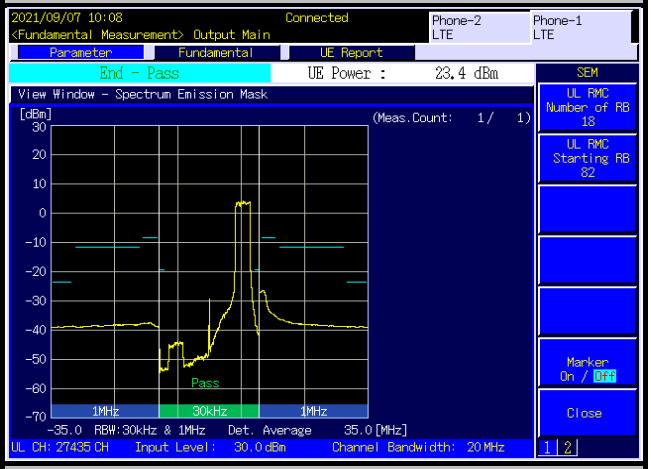
Ch27310	Ch27435
	
Ch27560	
	

Bandwidth: 20 MHz / QPSK (18 RB / 82 RB Offset)

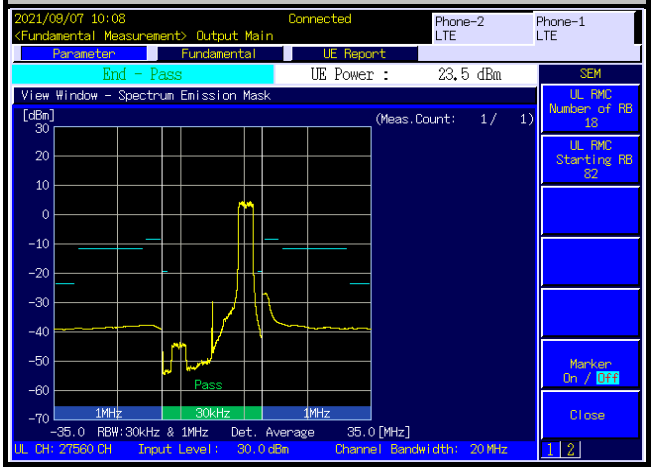
Ch27310



Ch27435

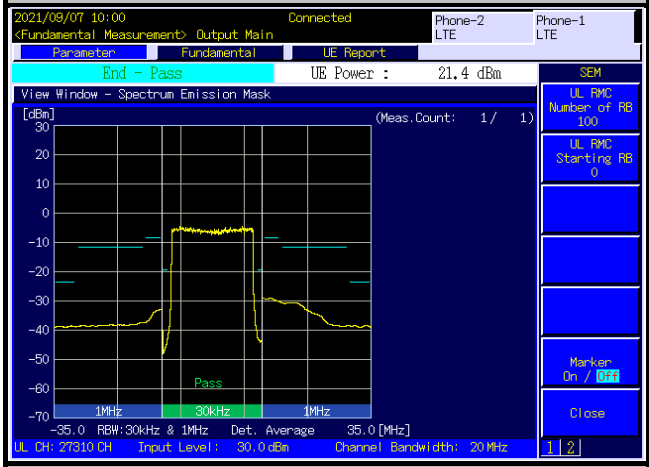


Ch27560

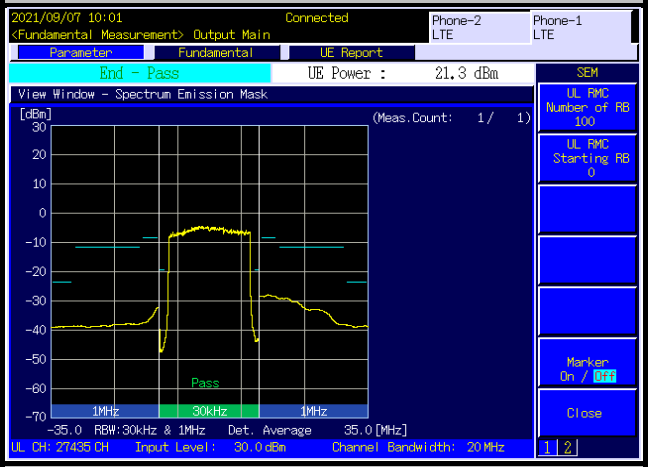


Bandwidth: 20 MHz / 16QAM (100 RB / 0 RB Offset)

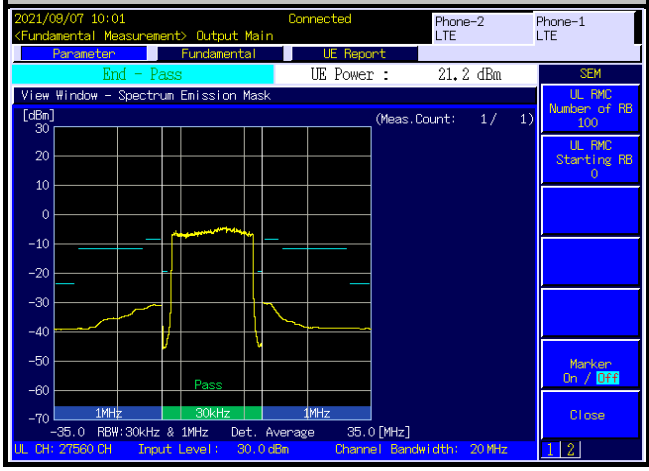
Ch27310



Ch27435

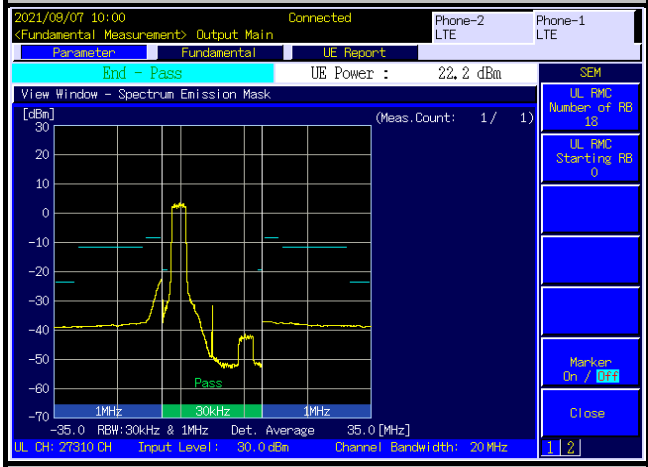


Ch27560

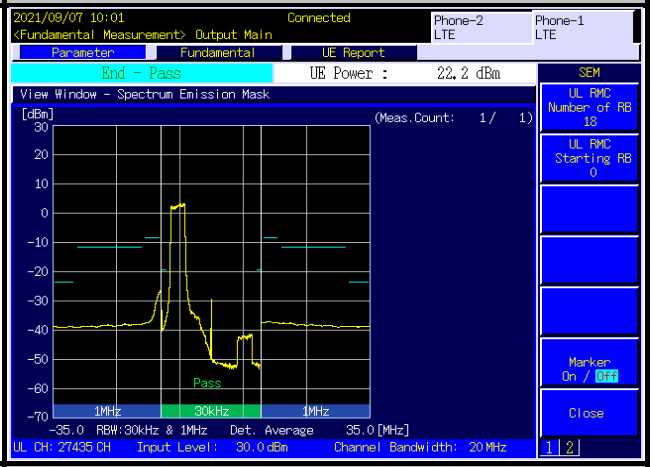


Bandwidth: 20 MHz / 16QAM (18 RB / 0 RB Offset)

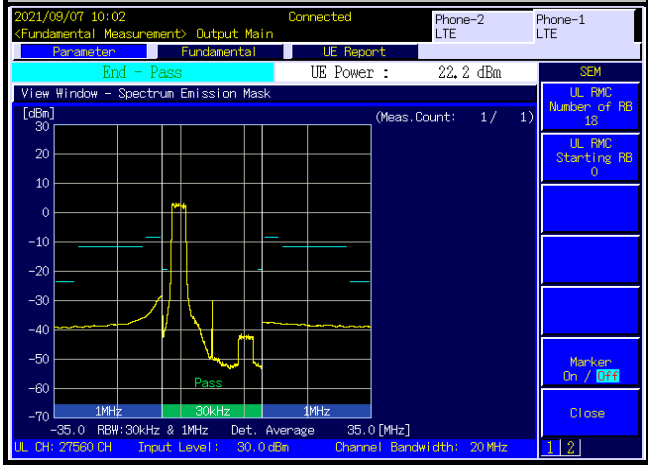
Ch27310



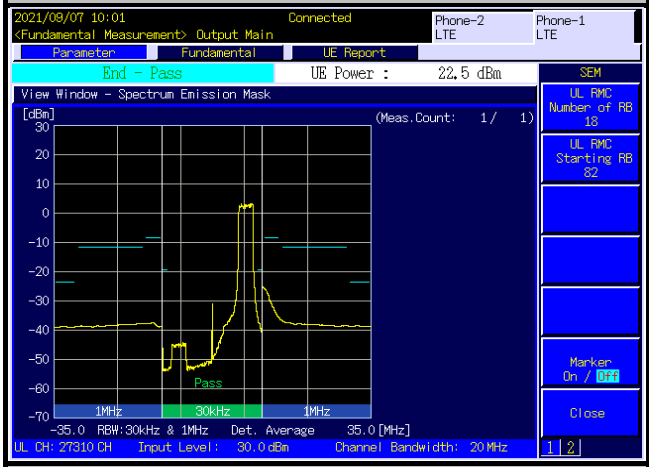
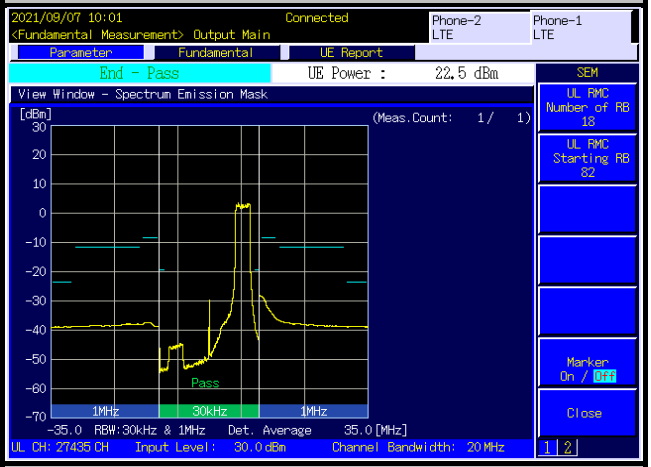
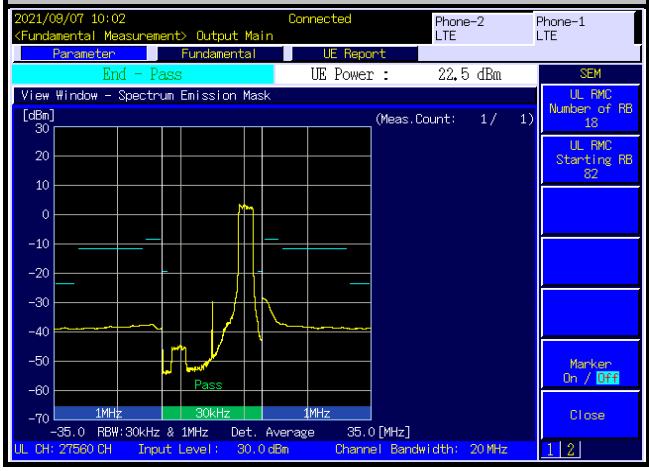
Ch27435



Ch27560



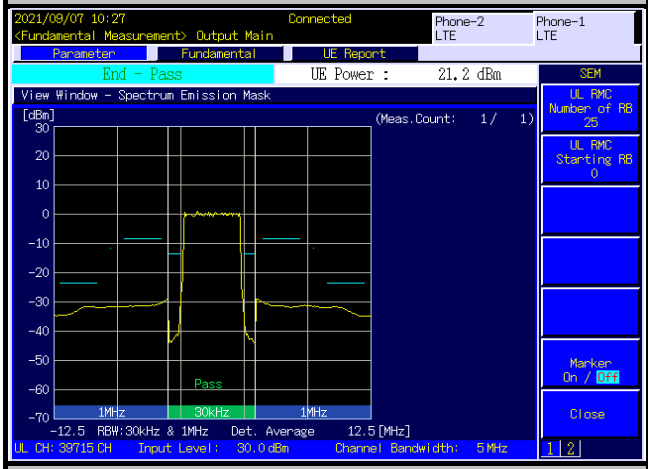
Bandwidth: 20 MHz / 16QAM (18 RB / 82 RB Offset)

Ch27310	Ch27435
	
Ch27560	
	

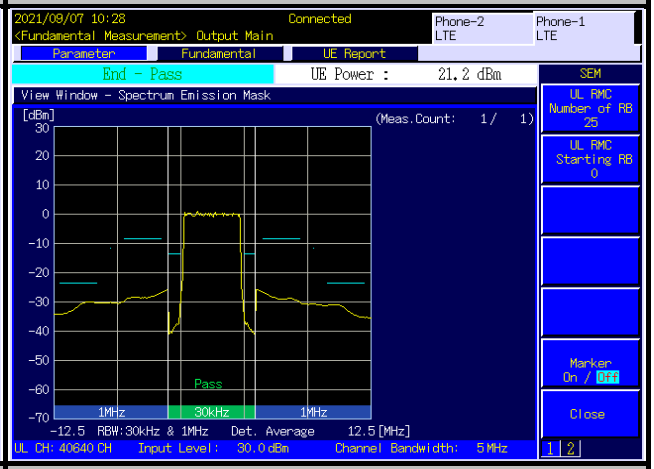
LTE Band 41

Bandwidth: 5 MHz / QPSK (25 RB / 0 RB Offset)

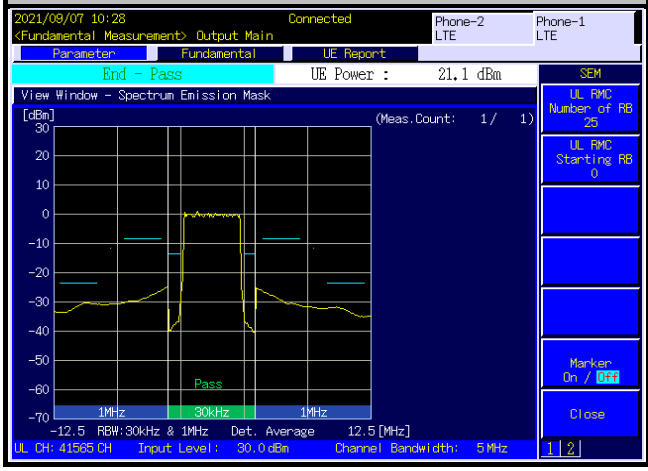
Ch39715



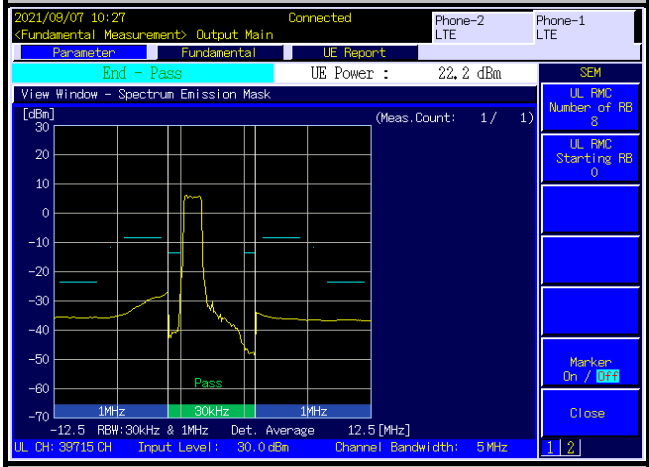
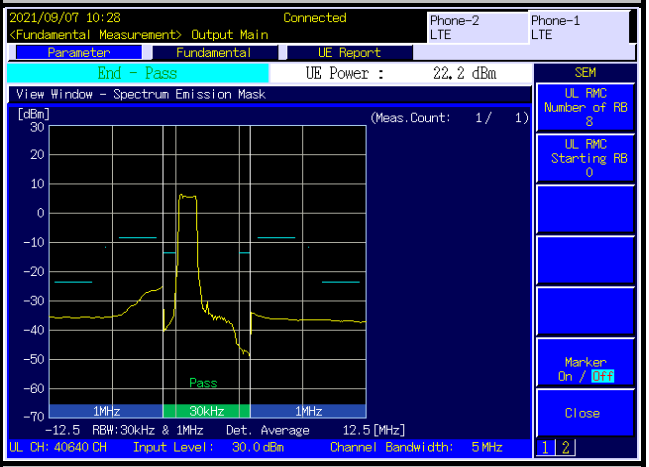
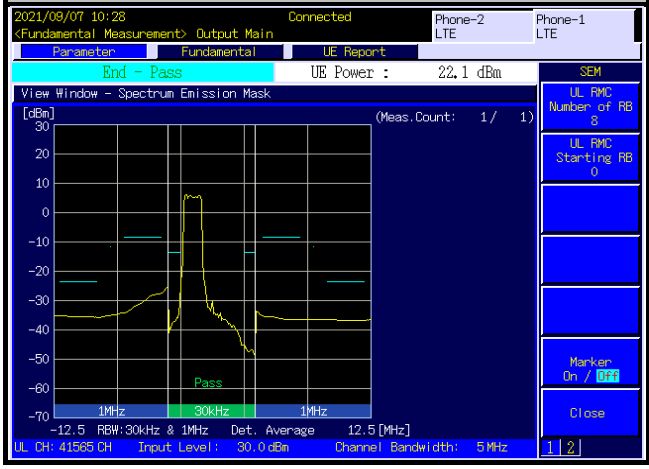
Ch40640



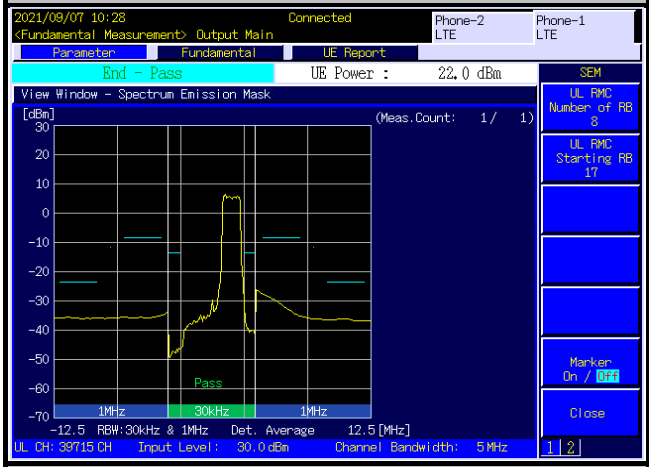
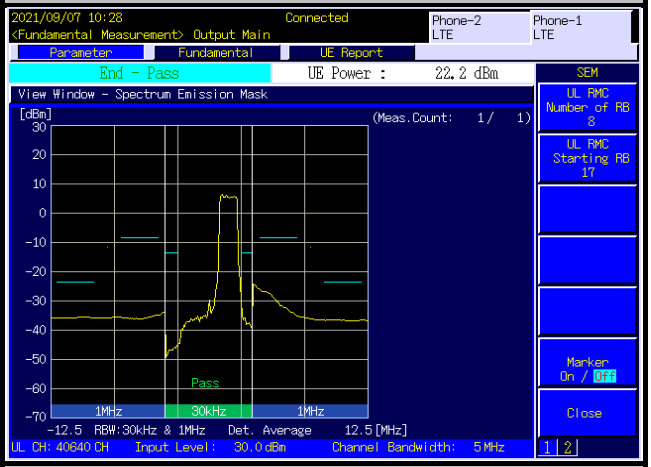
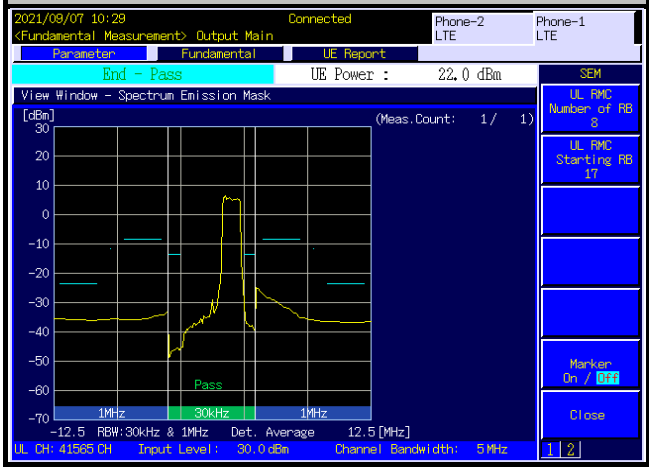
Ch41565



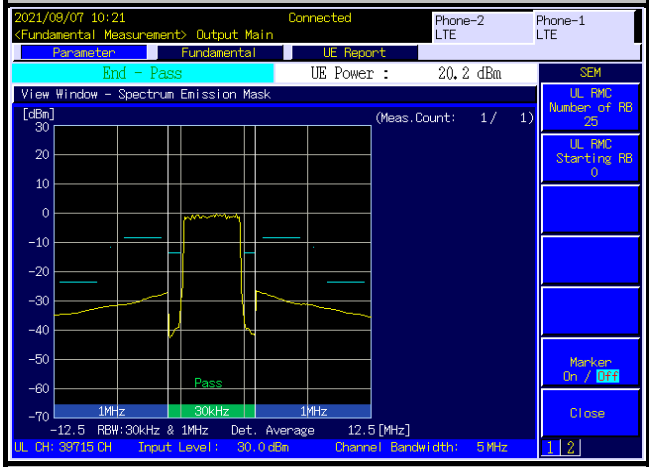
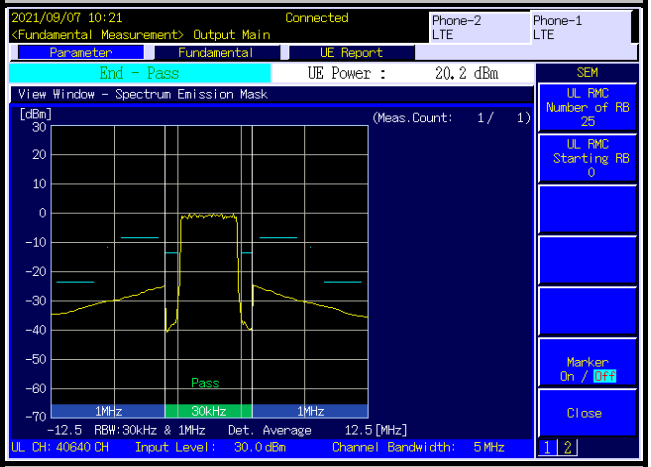
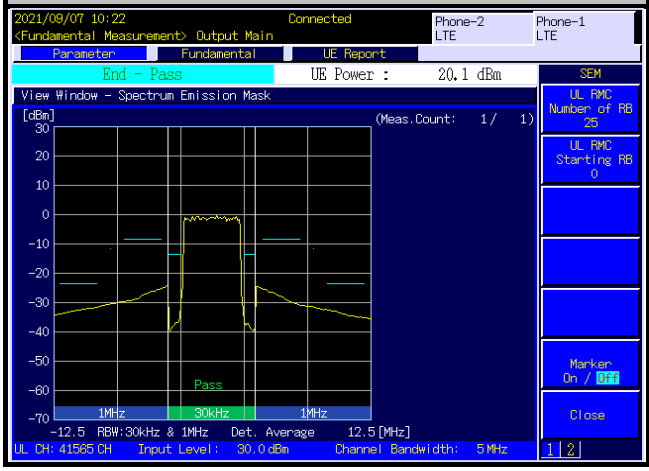
Bandwidth: 5 MHz / QPSK (8 RB / 0 RB Offset)

Ch39715	Ch40640
	
Ch41565	
	

Bandwidth: 5 MHz / QPSK (8 RB / 17 RB Offset)

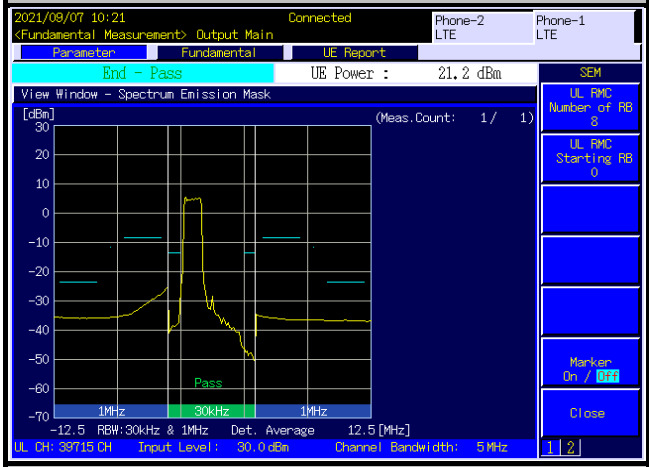
Ch39715	Ch40640
	
Ch41565	
	

Bandwidth: 5 MHz / 16QAM (25 RB / 0 RB Offset)

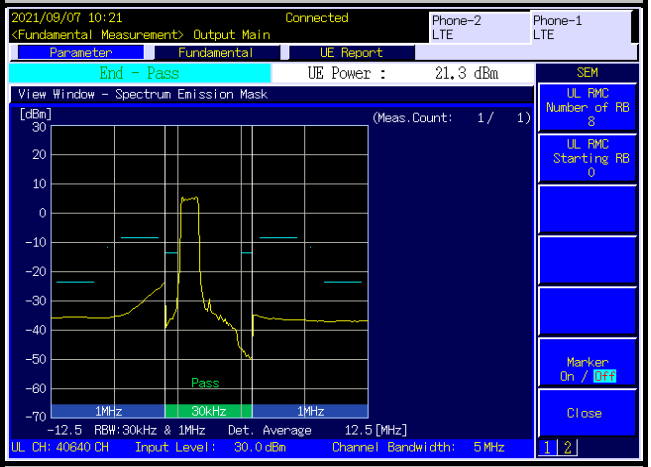
Ch39715	Ch40640
	
Ch41565	
	

Bandwidth: 5 MHz / 16QAM (8 RB / 0 RB Offset)

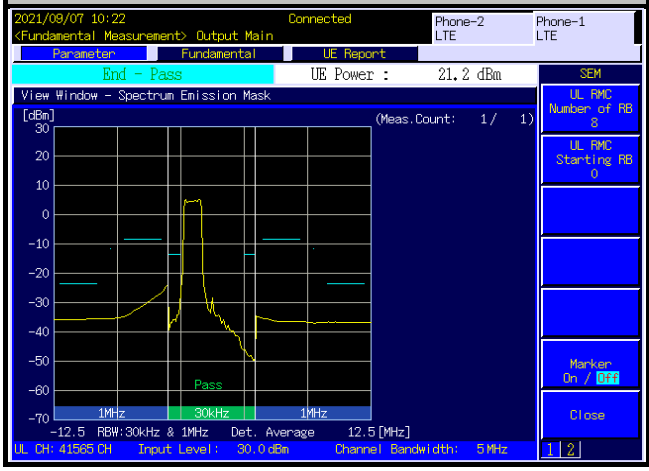
Ch39715



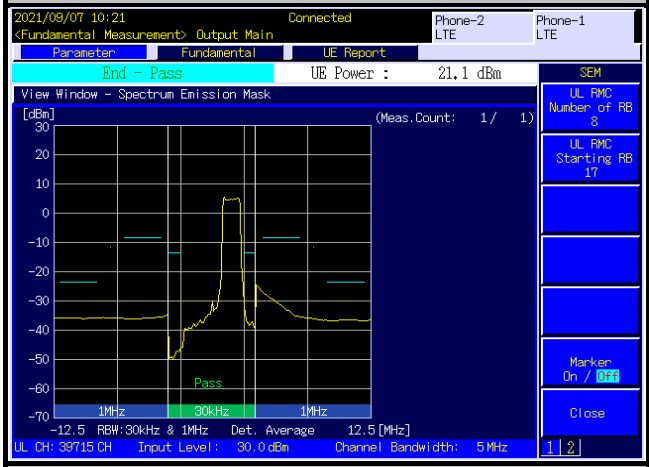
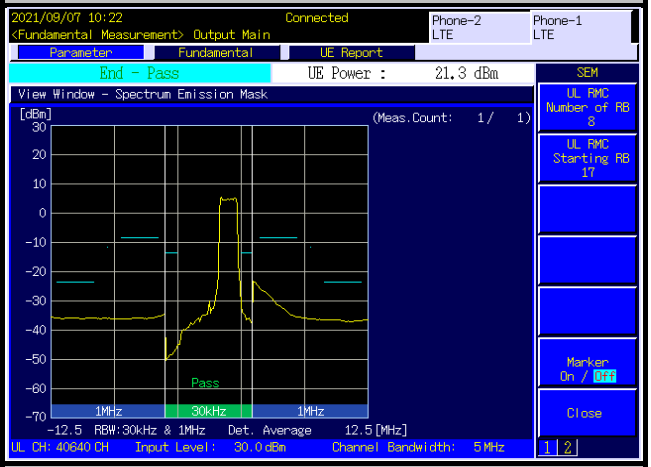
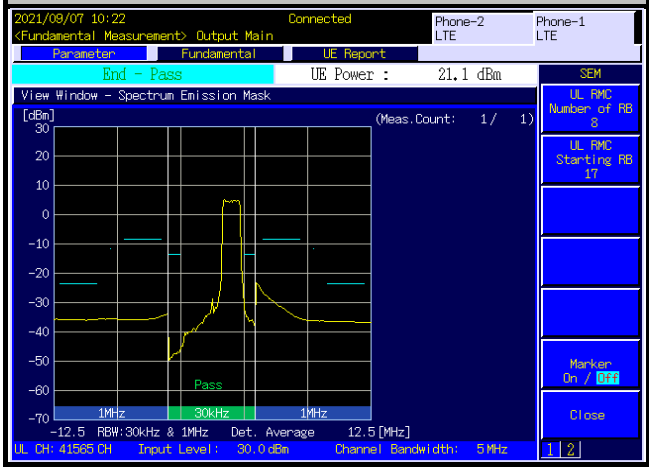
Ch40640



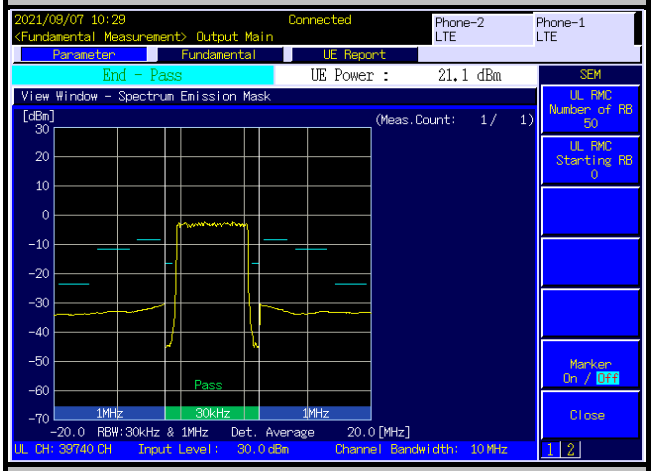
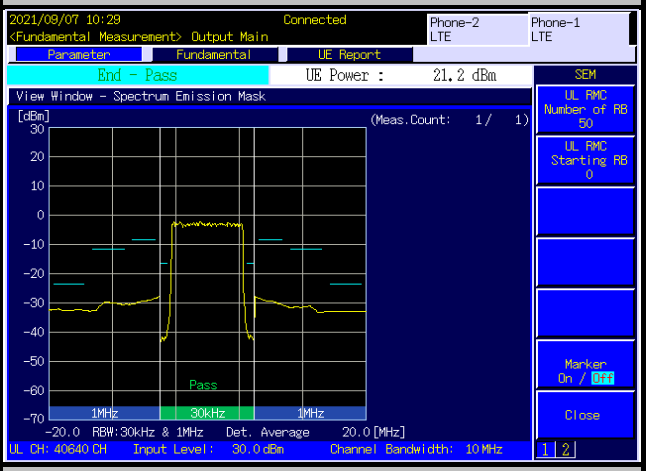
Ch41565

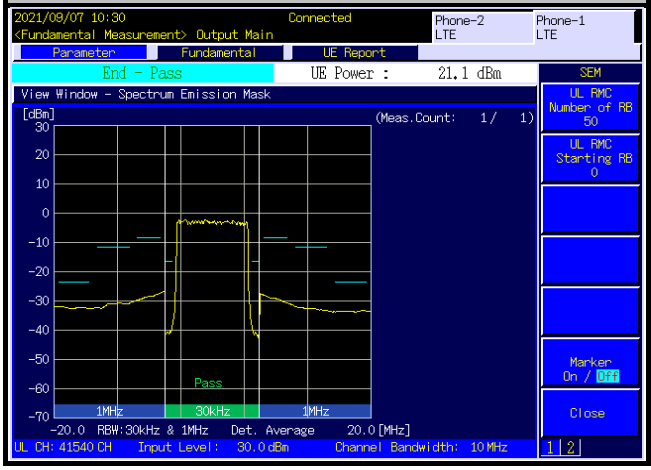


Bandwidth: 5 MHz / 16QAM (8 RB / 17 RB Offset)

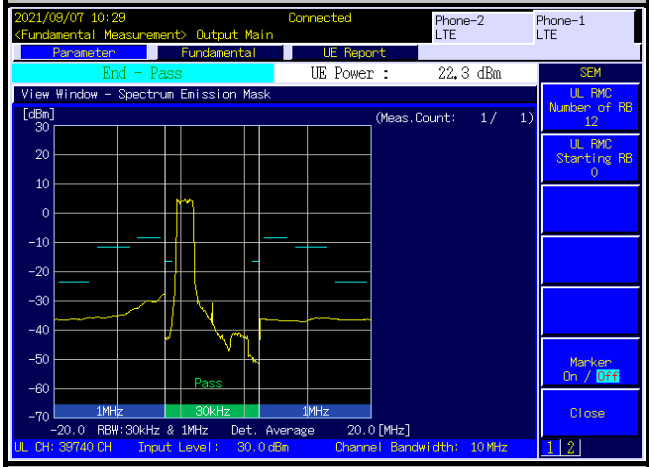
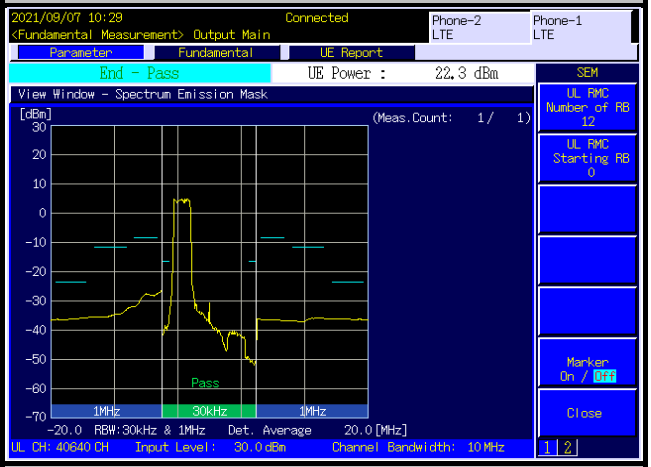
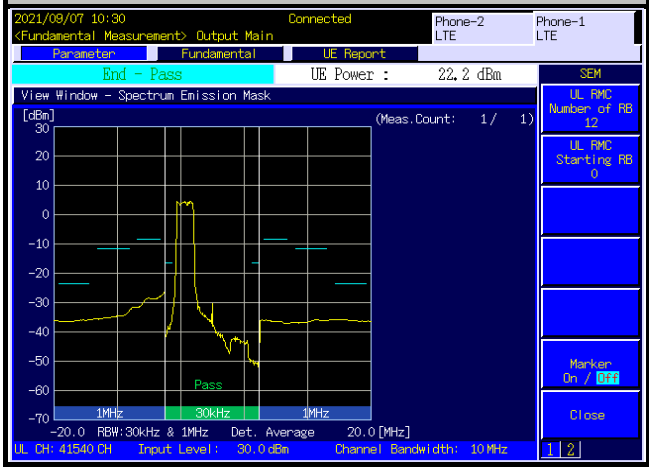
Ch39715	Ch40640
	
Ch41565	
	

Bandwidth: 10 MHz / QPSK (50 RB / 0 RB Offset)

Ch39740	Ch40640
	

Ch41540	
	

Bandwidth: 10 MHz / QPSK (12 RB / 0 RB Offset)

Ch39740	Ch40640
	
Ch41540	
	

Bandwidth: 10 MHz / QPSK (12 RB / 38 RB Offset)

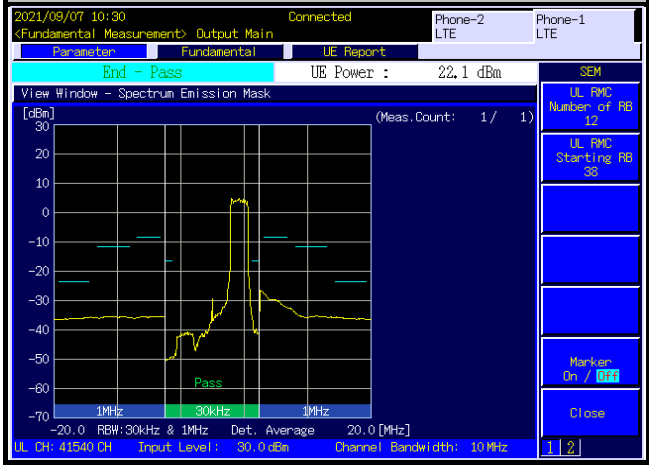
Ch39740



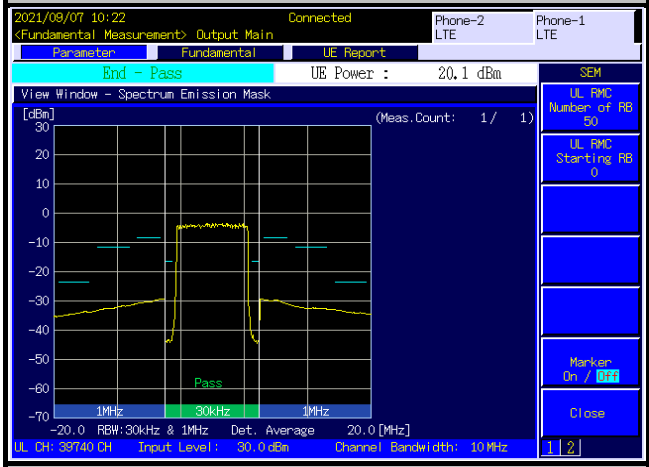
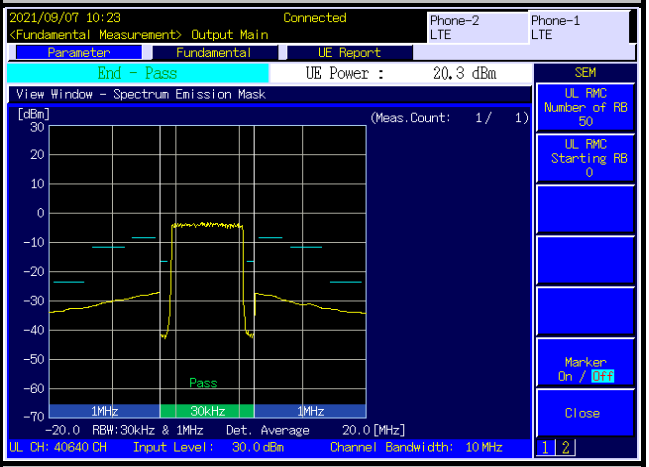
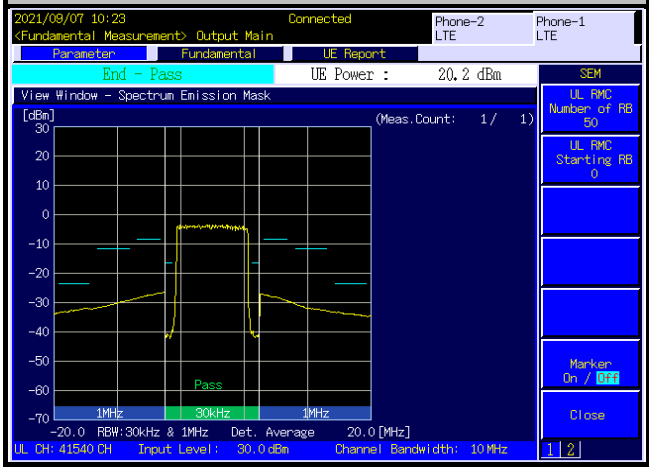
Ch40640



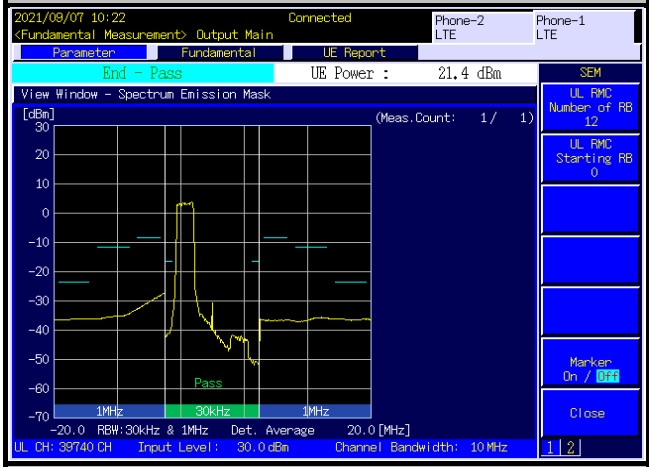
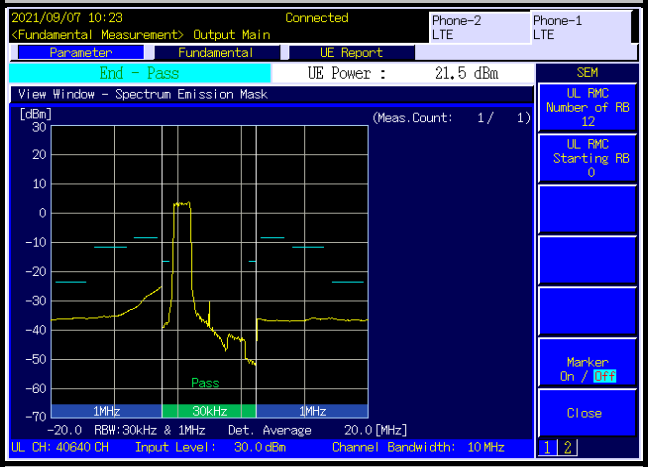
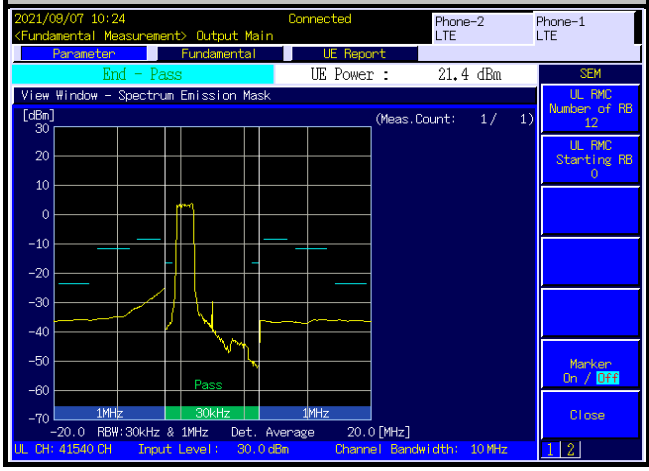
Ch41540



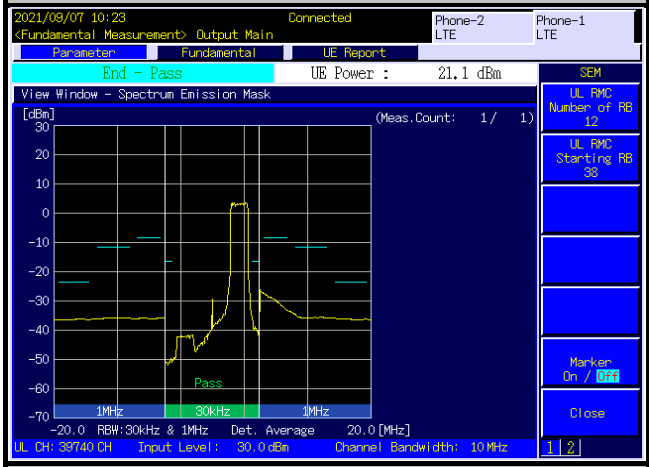
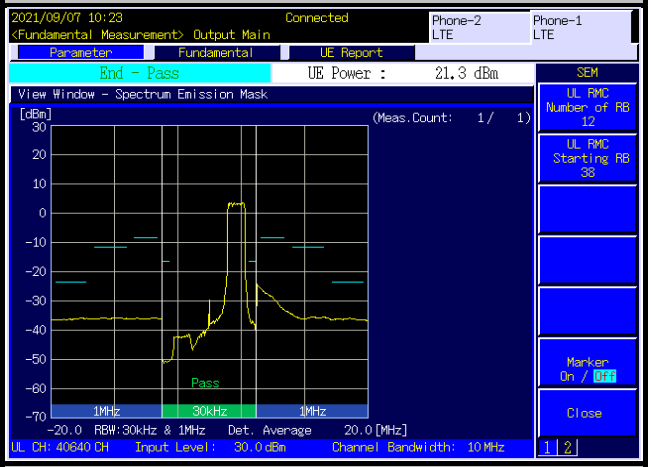
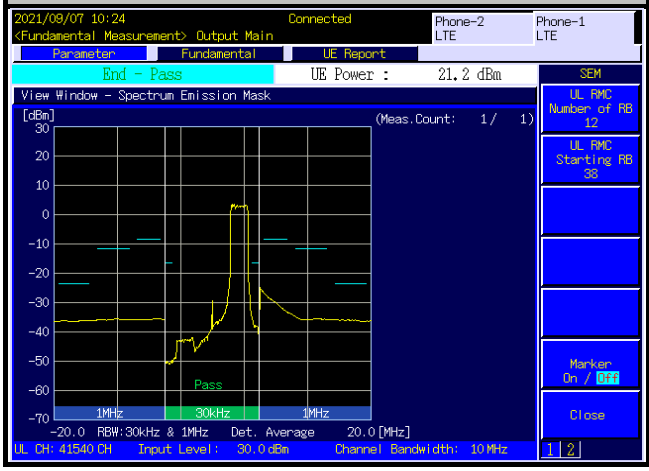
Bandwidth: 10 MHz / 16QAM (50 RB / 0 RB Offset)

Ch39740	Ch40640
	
Ch41540	
	

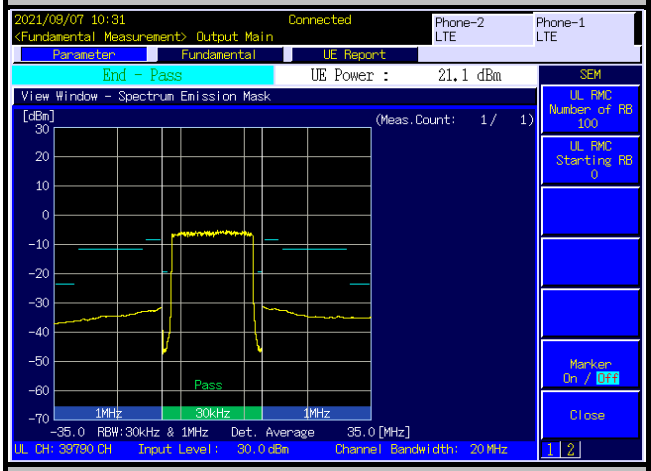
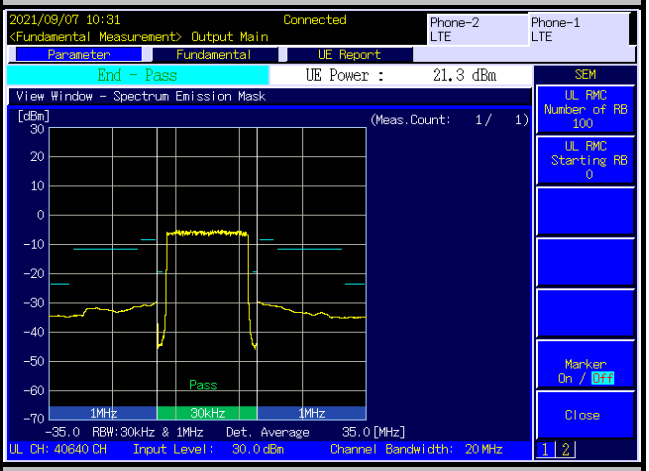
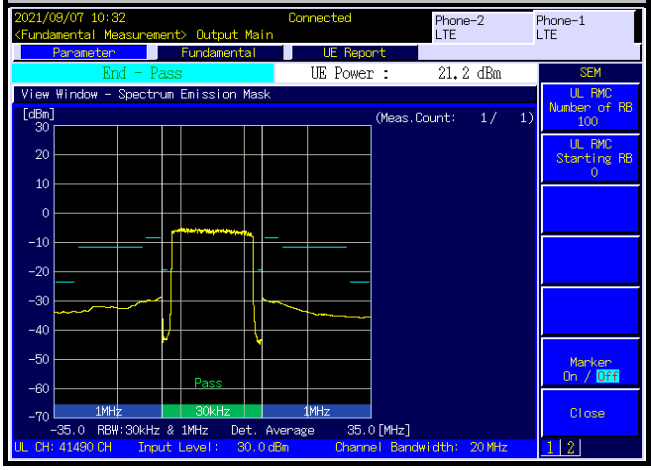
Bandwidth: 10 MHz / 16QAM (12 RB / 0 RB Offset)

Ch39740	Ch40640
	
Ch41540	
	

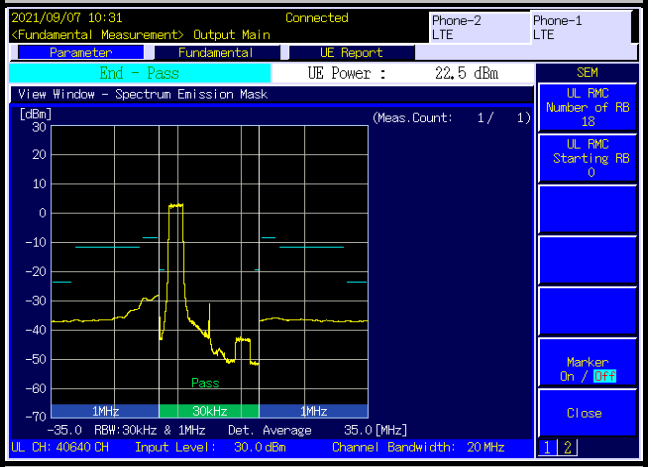
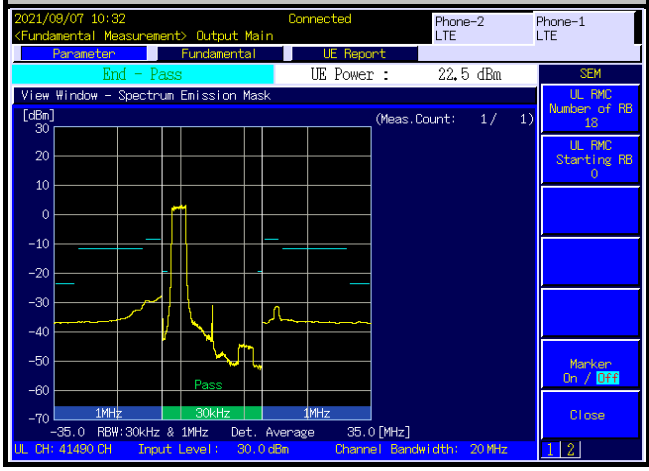
Bandwidth: 10 MHz / 16QAM (12 RB / 38 RB Offset)

Ch39740	Ch40640
	
Ch41540	
	

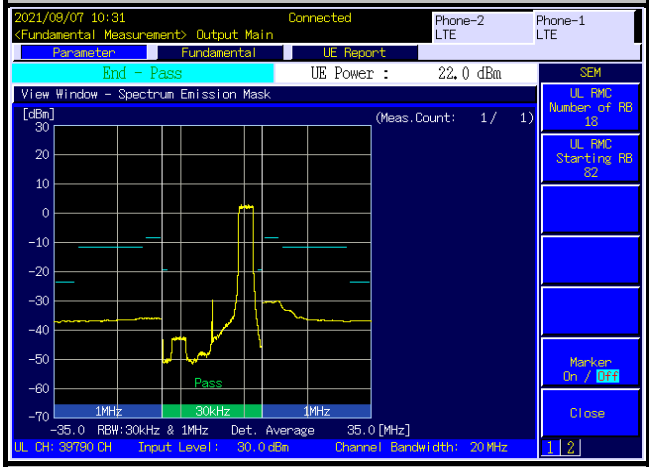
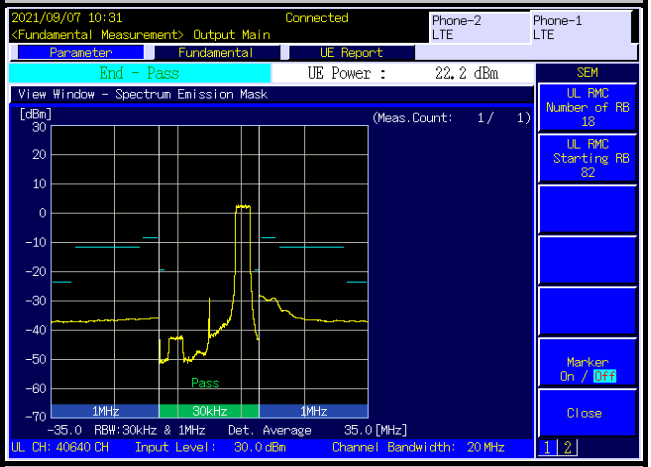
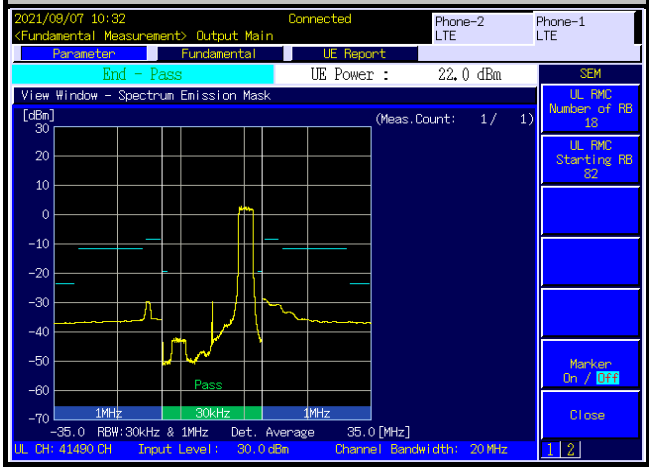
Bandwidth: 20 MHz / QPSK (100 RB / 0 RB Offset)

Ch39790	Ch40640
	
Ch41490	
	

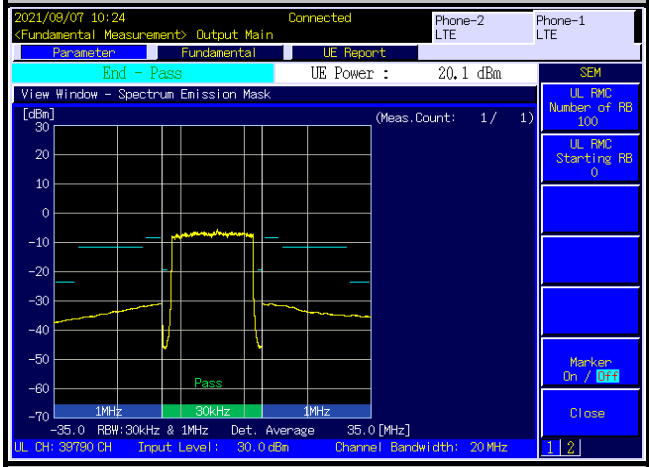
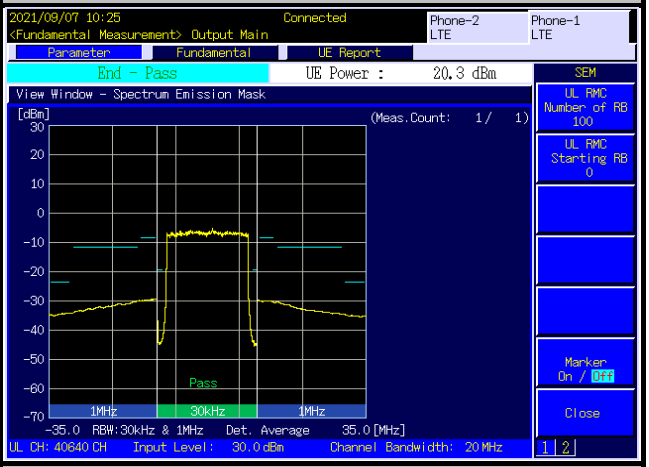
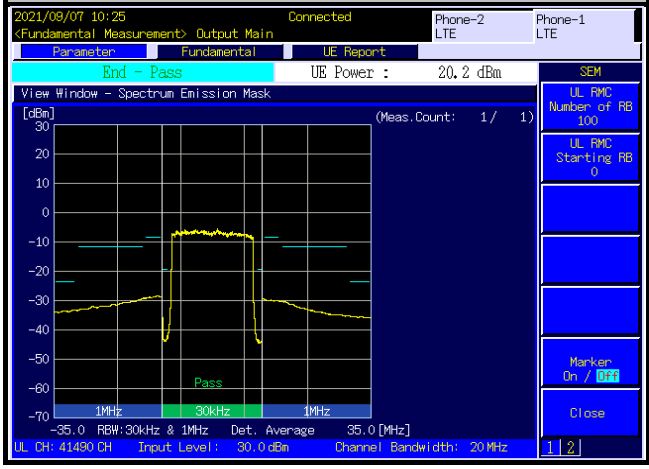
Bandwidth: 20 MHz / QPSK (18 RB / 0 RB Offset)

Ch39790	Ch40640
	
Ch41490	
	

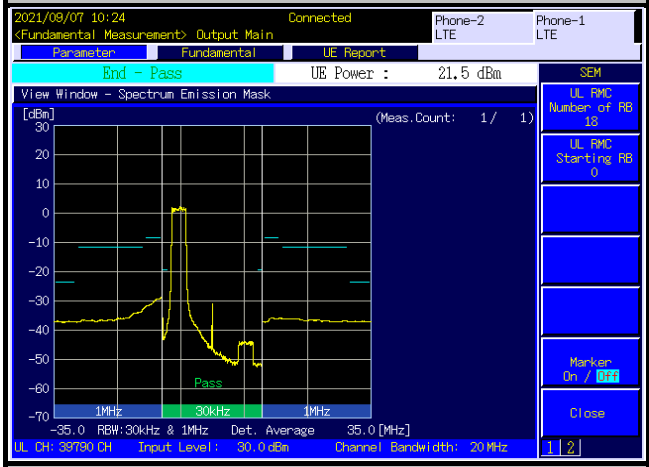
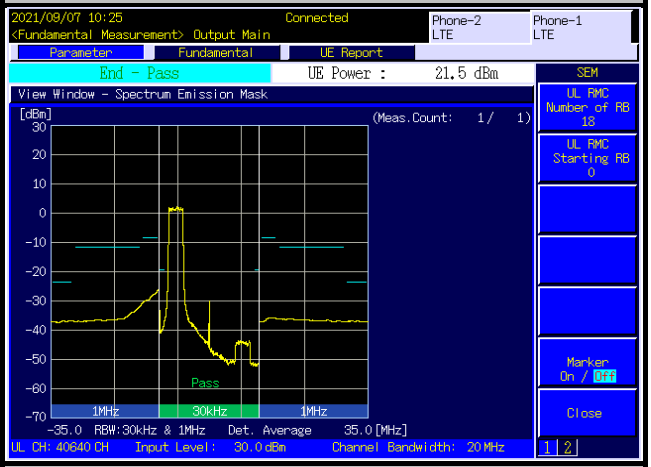
Bandwidth: 20 MHz / QPSK (18 RB / 82 RB Offset)

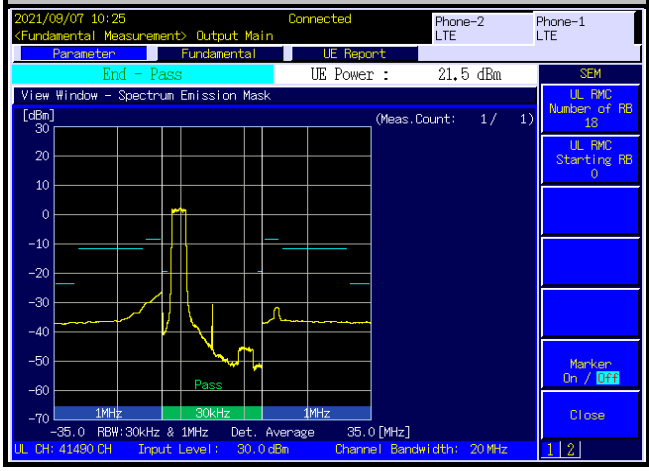
Ch39790	Ch40640
	
Ch41490	
	

Bandwidth: 20 MHz / 16QAM (100 RB / 0 RB Offset)

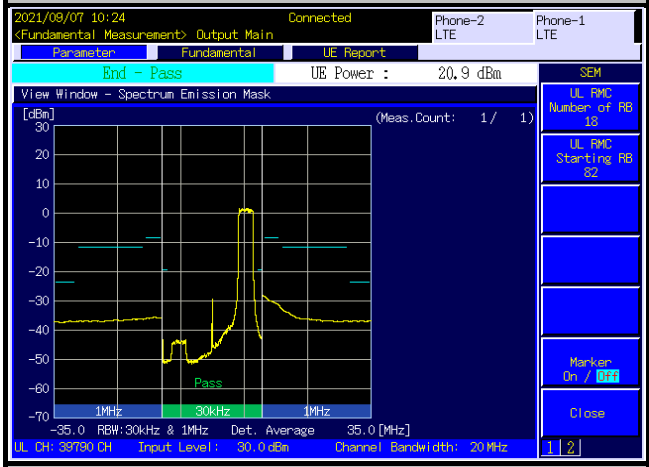
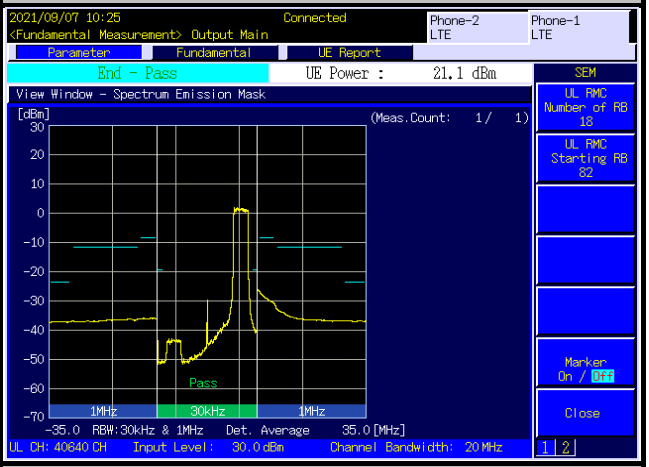
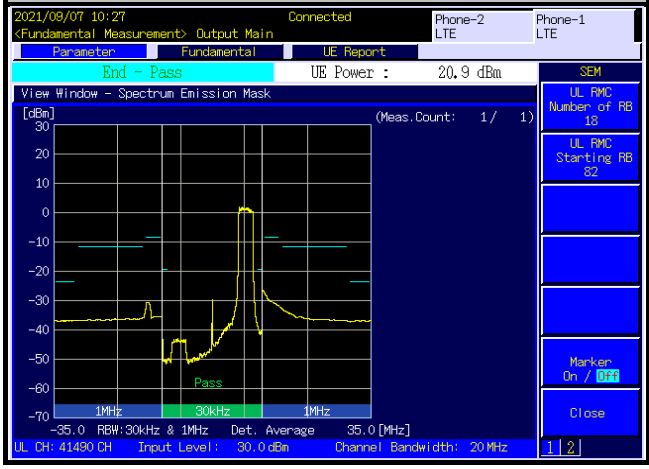
Ch39790	Ch40640
	
Ch41490	
	

Bandwidth: 20 MHz / 16QAM (18 RB / 0 RB Offset)

Ch39790	Ch40640
	

Ch41490	
	

Bandwidth: 20 MHz / 16QAM (18 RB / 82 RB Offset)

Ch39790	Ch40640
	
Ch41490	
	

5. 傳導帶外輻射發射

5.1 適用標準

須符合下表之規範值。

頻率範圍	最大位準	解析頻寬
9kHz ≤ f < 150kHz	-36 dBm	1kHz
150kHz ≤ f < 30MHz	-36 dBm	10kHz
30MHz ≤ f < 1GHz	-36 dBm	100kHz
1GHz ≤ f < 12.75GHz	-30 dBm	1MHz

5.2 量測方法

(1) 在正常條件下執行測試。

(2) 量測時須依據下表之條件設定量測頻寬，並選擇 Spectrum 模式執行。

頻率範圍	解析頻寬
9kHz ≤ f < 150kHz	1kHz
150kHz ≤ f < 30MHz	10kHz
30MHz ≤ f < 1GHz	100kHz
1GHz ≤ f < 12.75GHz	1MHz

(3) 檢測頻道為低、中、高三個頻道，對最低、5MHz 及最高的工作頻寬之最大調變級數發射模式，均應分別檢測，並依下表進行檢測。

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

註： RB offset 設定值及應檢項目之測試方法參考 3GPP TS 36.521 技術標準規定。

(4) 偵測器模式：true RMS voltage 或 true average power。

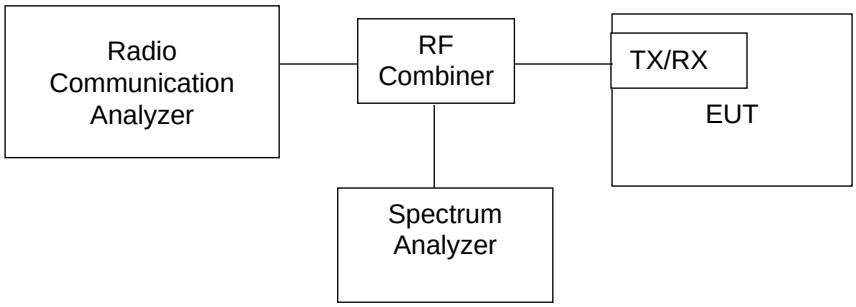
(5) 依據表二針對不同頻率以相對應的量測頻寬量測，並注意量測值是否有超過規範值。帶外輻射量測頻率範圍，不包含 5.2.1 點中Δf_OOB。

5.3 量測儀器

儀器名稱 (廠牌/製造商)	型號	序號	校正日期	下次校正日期
Radio Communication Analyzer Anritsu	MT8820C	6201010284	Dec. 28, 2020	Dec. 27, 2021
SPECTRUM ANALYZER KEYSIGHT	N9030B	MY57140938	Mar. 09, 2021	Mar. 08, 2022

Note: The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.

5.4 測試配置



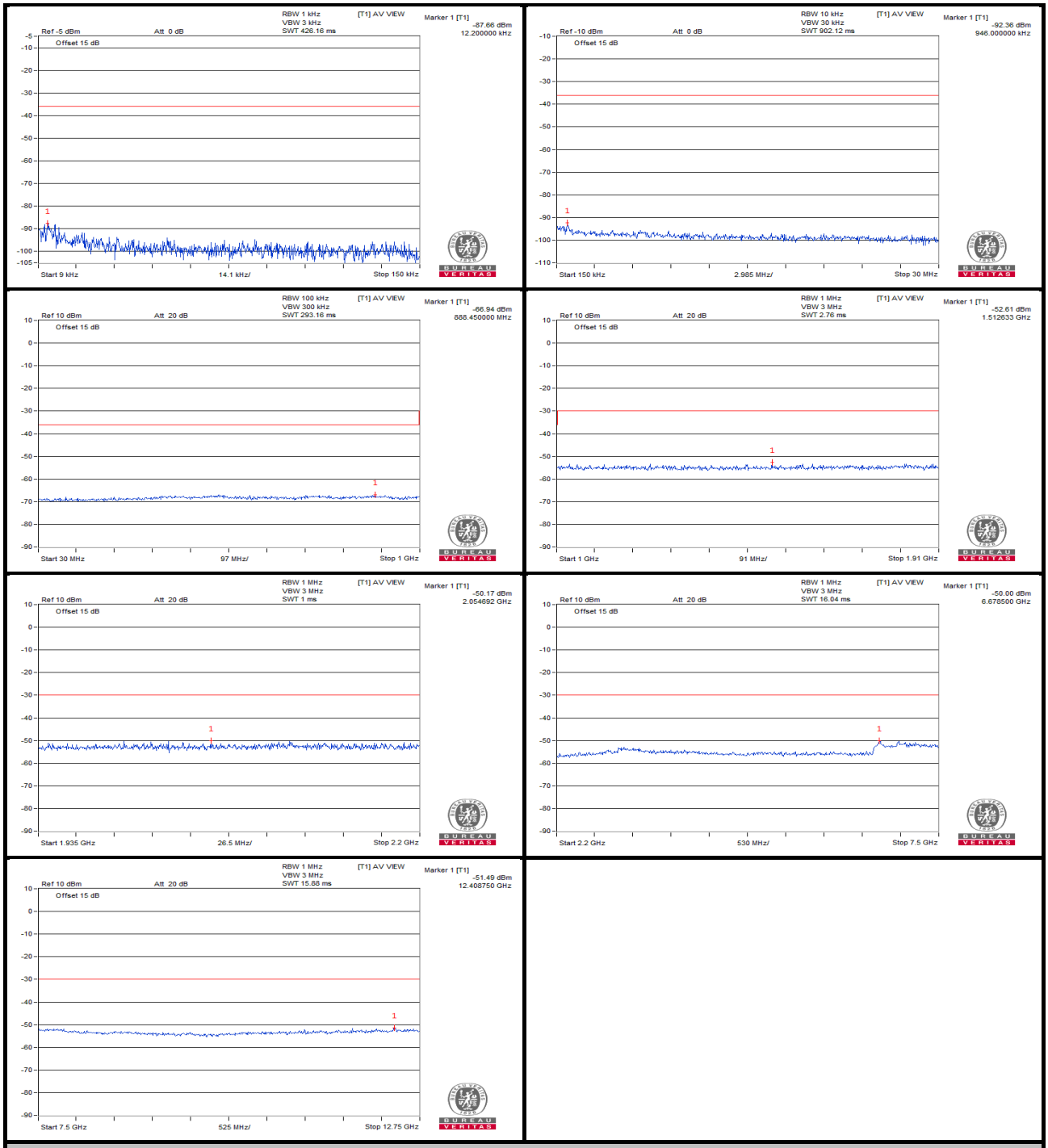
5.5 量測結果

操作模式	發射	測試者	張睿晉
量測場地溫度	26℃	量測場地濕度	65% RH

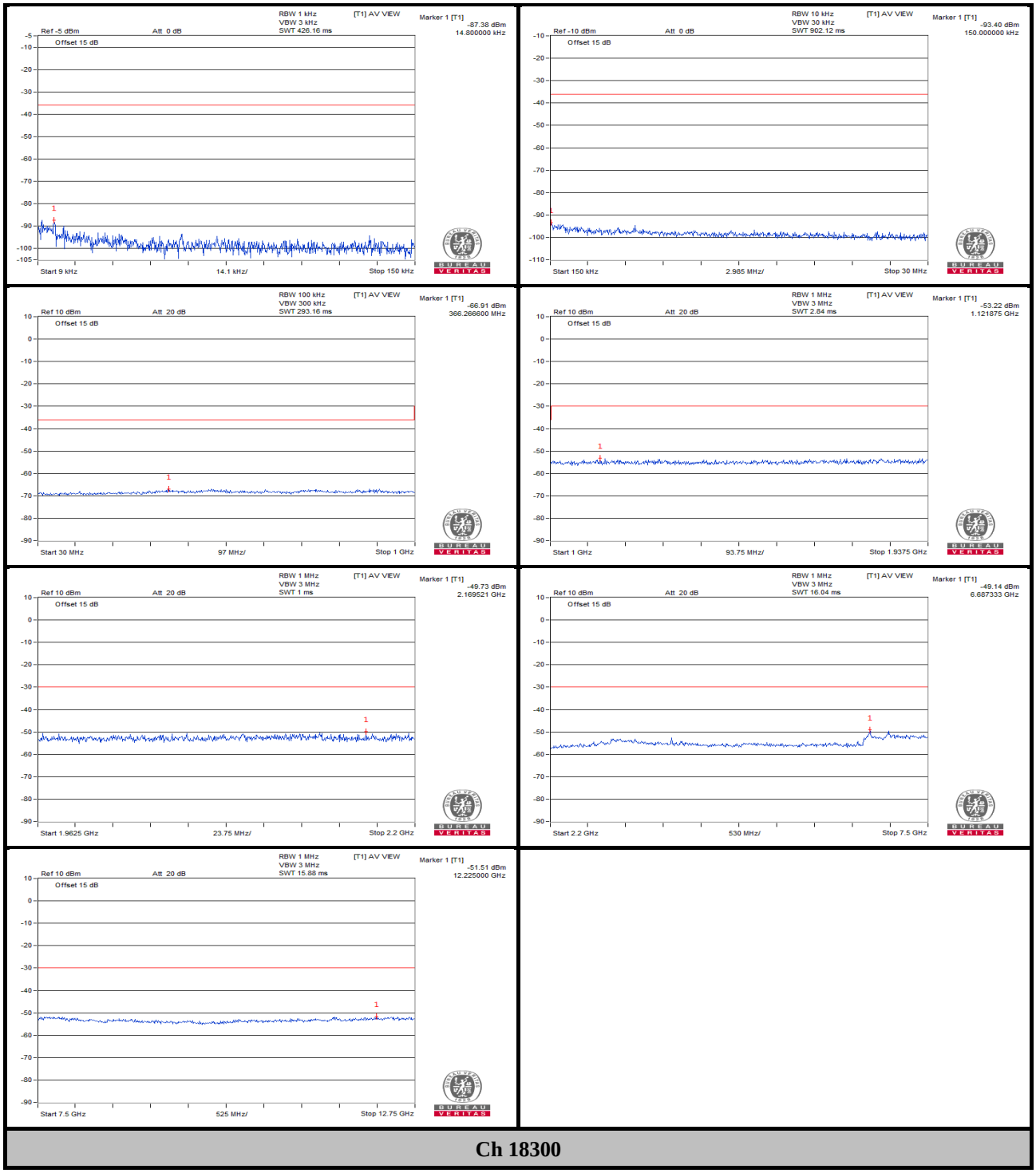
LTE Band 1

Bandwidth: 5 MHz / QPSK (1 RB / 0 RB Offset)

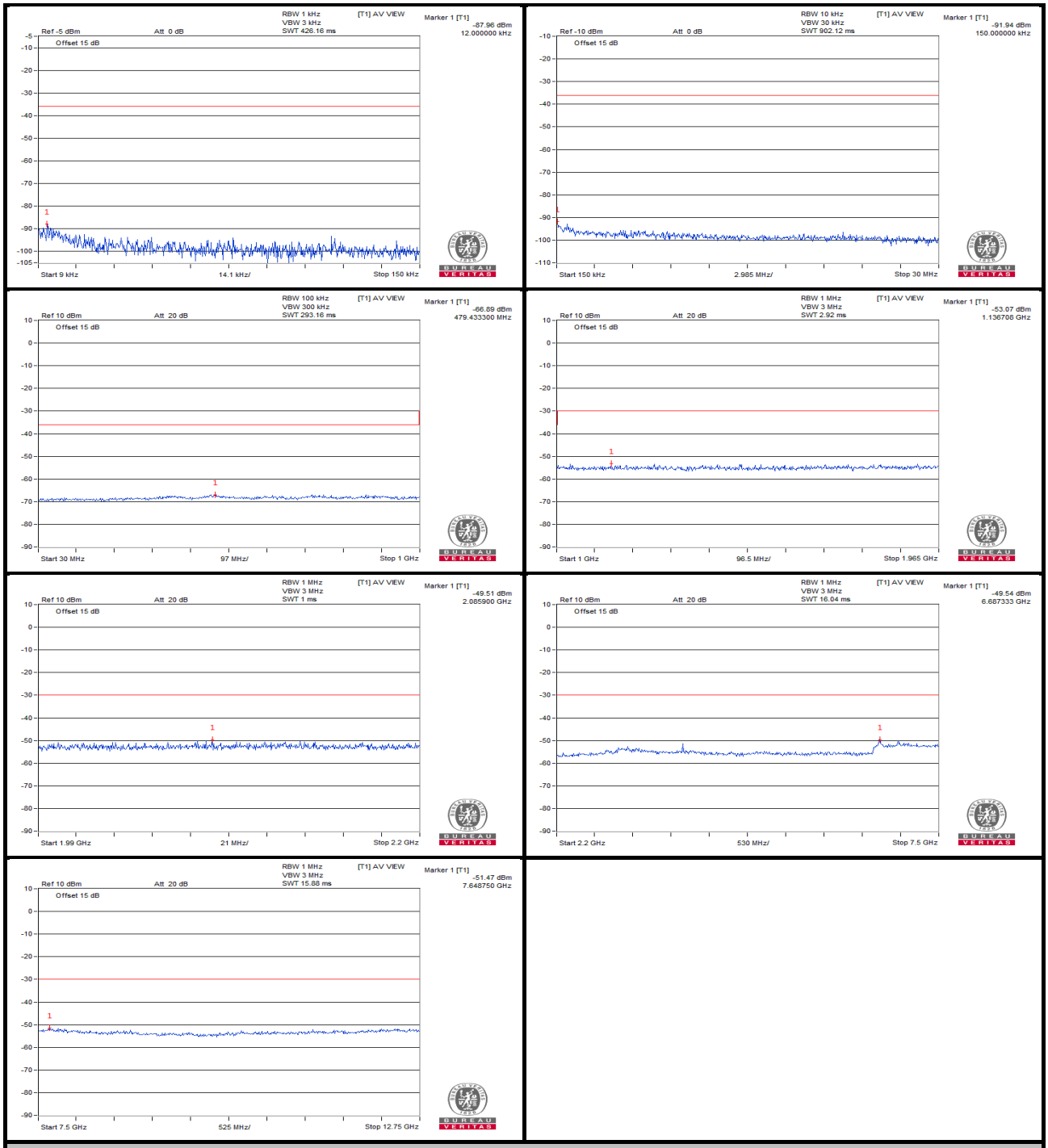
Modulation	Channel	Frequency Range (MHz)	Measurement Value	Limit	Pass / Fail
QPSK	18025	0.009MHz to 0.15MHz	-87.66	-36	PASS
		0.15MHz to 30MHz	-92.36	-36	PASS
		30MHz to 1000MHz	-66.94	-36	PASS
		1000MHz to 1910MHz	-52.61	-30	PASS
		1935MHz to 2200MHz	-50.17	-30	PASS
		2200MHz to 7500MHz	-50.00	-30	PASS
		7500MHz to 12750MHz	-51.49	-30	PASS
	18300	0.009MHz to 0.15MHz	-87.38	-36	PASS
		0.15MHz to 30MHz	-93.40	-36	PASS
		30MHz to 1000MHz	-66.91	-36	PASS
		1000MHz to 1937.5MHz	-53.22	-30	PASS
		1962.5MHz to 2200MHz	-49.73	-30	PASS
		2200MHz to 7500MHz	-49.14	-30	PASS
		7500MHz to 12750MHz	-51.51	-30	PASS
	18575	0.009MHz to 0.15MHz	-87.96	-36	PASS
		0.15MHz to 30MHz	-91.94	-36	PASS
		30MHz to 1000MHz	-66.89	-36	PASS
		1000MHz to 1965MHz	-53.07	-30	PASS
		1990MHz to 2200MHz	-49.51	-30	PASS
		2200MHz to 7500MHz	-49.54	-30	PASS
		7500MHz to 12750MHz	-51.47	-30	PASS


RBW 1 kHz
VBW 3 kHz
SWT 426.16 ms
[T1] AV VIEW
Marker 1 [T1]
-87.66 dBm
12.200000 kHz
Ref -5 dBm
Att 0 dB
Offset 15 dB
Start 9 kHz
14.1 kHz/
Stop 150 kHz
RBW 10 kHz
VBW 30 kHz
SWT 902.12 ms
[T1] AV VIEW
Marker 1 [T1]
-92.36 dBm
946.000000 kHz
Ref -10 dBm
Att 0 dB
Offset 15 dB
Start 150 kHz
2.985 MHz/
Stop 30 MHz
RBW 100 kHz
VBW 300 kHz
SWT 293.16 ms
[T1] AV VIEW
Marker 1 [T1]
-66.94 dBm
888.450000 MHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 30 MHz
97 MHz/
Stop 1 GHz
RBW 1 MHz
VBW 3 MHz
SWT 2.76 ms
[T1] AV VIEW
Marker 1 [T1]
-52.61 dBm
1.512633 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1 GHz
91 MHz/
Stop 1.91 GHz
RBW 1 MHz
VBW 3 MHz
SWT 1 ms
[T1] AV VIEW
Marker 1 [T1]
-50.17 dBm
2.054692 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1.935 GHz
26.5 MHz/
Stop 2.2 GHz
RBW 1 MHz
VBW 3 MHz
SWT 16.04 ms
[T1] AV VIEW
Marker 1 [T1]
-50.00 dBm
6.678500 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 2.2 GHz
530 MHz/
Stop 7.5 GHz
RBW 1 MHz
VBW 3 MHz
SWT 15.88 ms
[T1] AV VIEW
Marker 1 [T1]
-51.49 dBm
12.408750 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 7.5 GHz
525 MHz/
Stop 12.75 GHz

Ch 18025


RBW 1 kHz
VBW 3 kHz
SWT 426.16 ms
[T1] AV VIEW
Marker 1 [T1]
-87.38 dBm
14.800000 kHz
Ref -5 dBm
Att 0 dB
Offset 15 dB
Start 9 kHz
14.1 kHz/
Stop 150 kHz
RBW 10 kHz
VBW 30 kHz
SWT 902.12 ms
[T1] AV VIEW
Marker 1 [T1]
-93.40 dBm
150.000000 kHz
Ref -10 dBm
Att 0 dB
Offset 15 dB
Start 150 kHz
2.985 MHz/
Stop 30 MHz
RBW 100 kHz
VBW 300 kHz
SWT 293.16 ms
[T1] AV VIEW
Marker 1 [T1]
-66.91 dBm
366.266600 MHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 30 MHz
97 MHz/
Stop 1 GHz
RBW 1 MHz
VBW 3 MHz
SWT 2.84 ms
[T1] AV VIEW
Marker 1 [T1]
-53.22 dBm
1.121875 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1 GHz
93.75 MHz/
Stop 1.9375 GHz
RBW 1 MHz
VBW 3 MHz
SWT 1 ms
[T1] AV VIEW
Marker 1 [T1]
-49.73 dBm
2.169521 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1.9625 GHz
23.75 MHz/
Stop 2.2 GHz
RBW 1 MHz
VBW 3 MHz
SWT 16.04 ms
[T1] AV VIEW
Marker 1 [T1]
-49.14 dBm
6.687333 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 2.2 GHz
530 MHz/
Stop 7.5 GHz
RBW 1 MHz
VBW 3 MHz
SWT 15.88 ms
[T1] AV VIEW
Marker 1 [T1]
-51.51 dBm
12.225000 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 7.5 GHz
525 MHz/
Stop 12.75 GHz

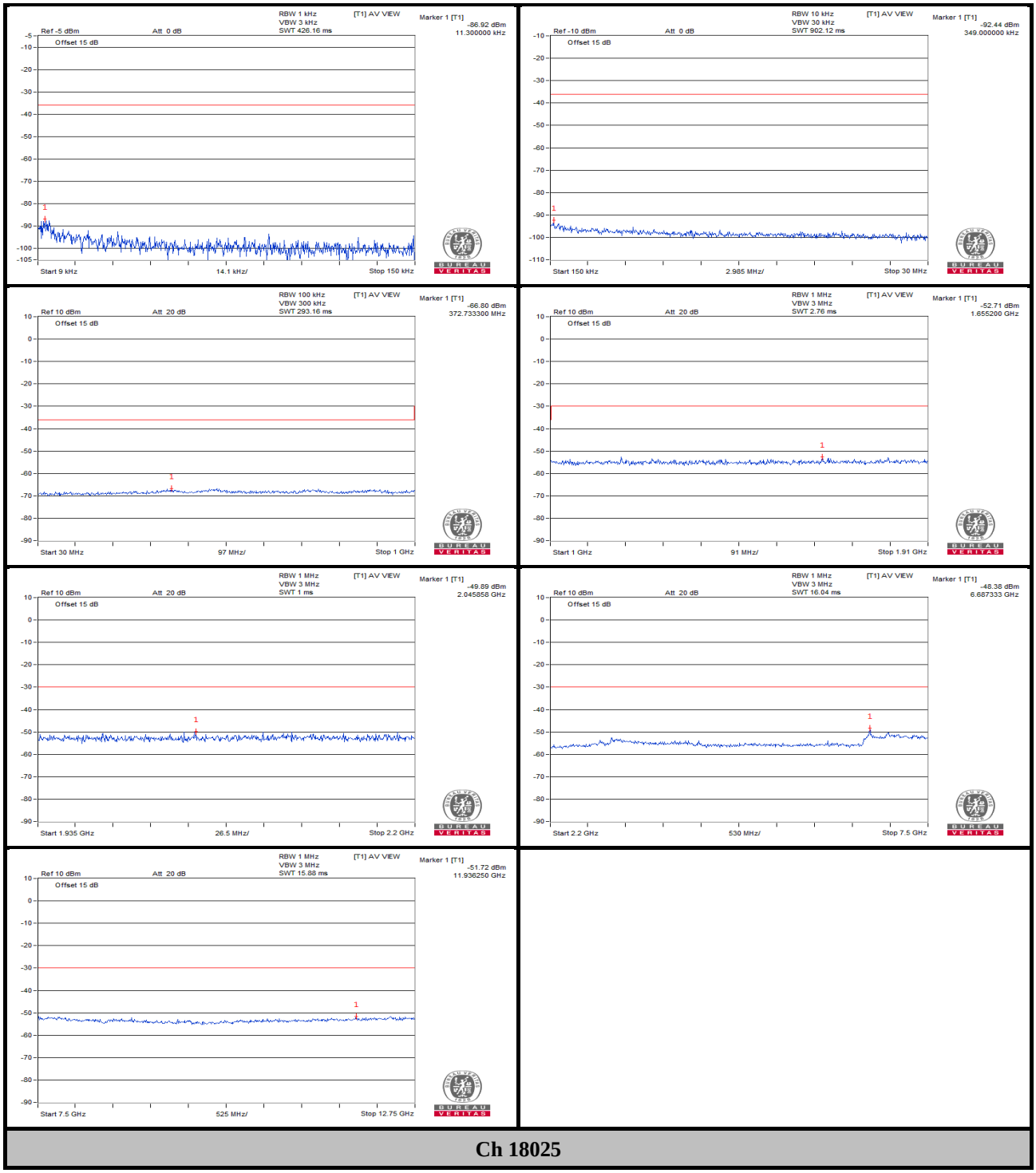
Ch 18300


RBW 1 kHz
VBW 3 kHz
SWT 426.16 ms
[T1] AV VIEW
Marker 1 [T1]
-87.96 dBm
12.000000 kHz
Ref -5 dBm
Att 0 dB
Offset 15 dB
Start 9 kHz
14.1 kHz/
Stop 150 kHz
RBW 10 kHz
VBW 30 kHz
SWT 902.12 ms
[T1] AV VIEW
Marker 1 [T1]
-91.94 dBm
150.000000 kHz
Ref -10 dBm
Att 0 dB
Offset 15 dB
Start 150 kHz
2.985 MHz/
Stop 30 MHz
RBW 100 kHz
VBW 300 kHz
SWT 293.16 ms
[T1] AV VIEW
Marker 1 [T1]
-66.89 dBm
479.433300 MHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 30 MHz
97 MHz/
Stop 1 GHz
RBW 1 MHz
VBW 3 MHz
SWT 2.92 ms
[T1] AV VIEW
Marker 1 [T1]
-53.07 dBm
1.136708 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1 GHz
96.5 MHz/
Stop 1.965 GHz
RBW 1 MHz
VBW 3 MHz
SWT 1 ms
[T1] AV VIEW
Marker 1 [T1]
-49.51 dBm
2.085900 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1.99 GHz
21 MHz/
Stop 2.2 GHz
RBW 1 MHz
VBW 3 MHz
SWT 16.04 ms
[T1] AV VIEW
Marker 1 [T1]
-49.54 dBm
6.687333 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 2.2 GHz
530 MHz/
Stop 7.5 GHz
RBW 1 MHz
VBW 3 MHz
SWT 15.88 ms
[T1] AV VIEW
Marker 1 [T1]
-51.47 dBm
7.648750 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 7.5 GHz
525 MHz/
Stop 12.75 GHz

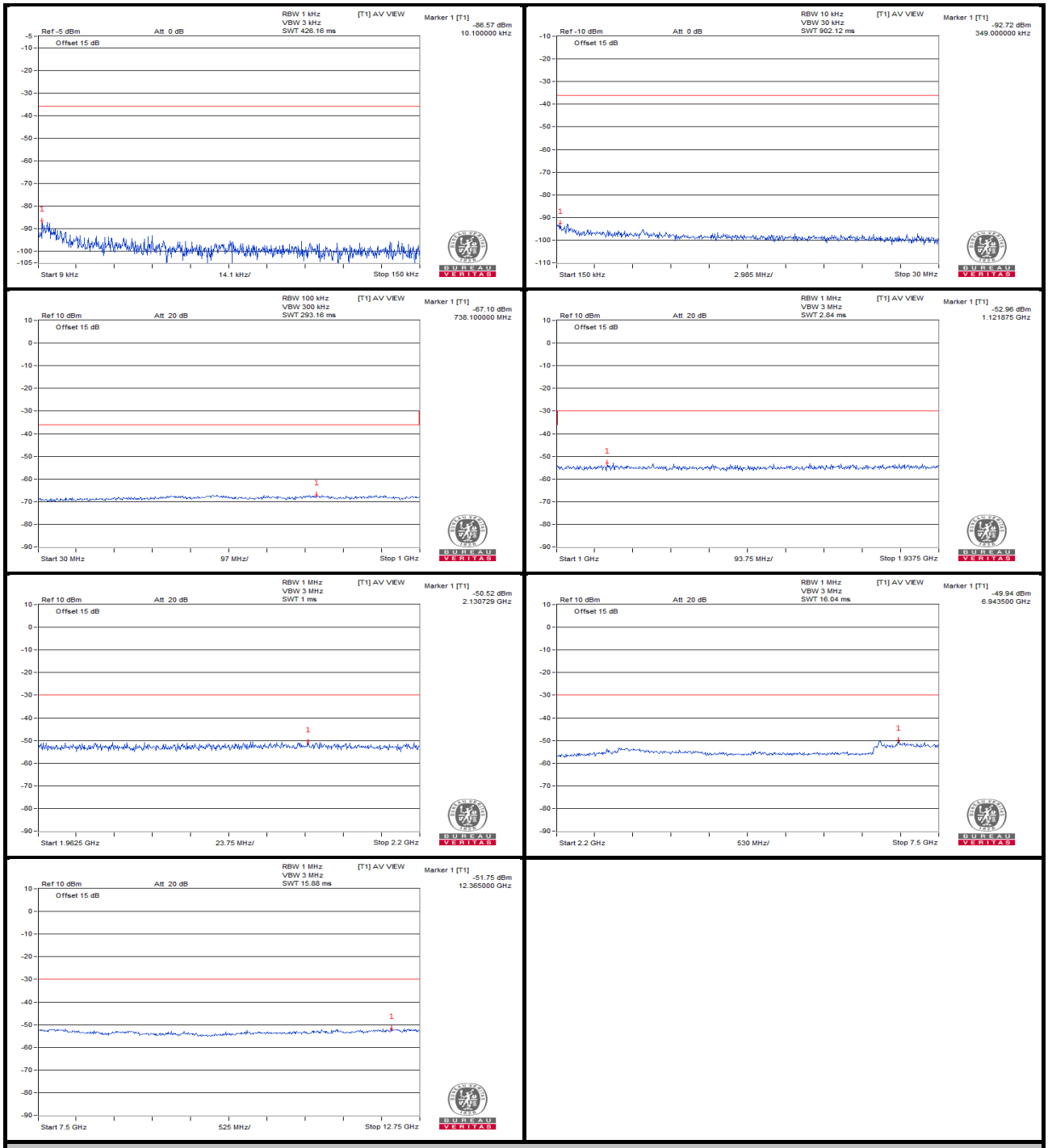
Ch 18575

Bandwidth: 5 MHz / QPSK (25 RB / 0 RB Offset)

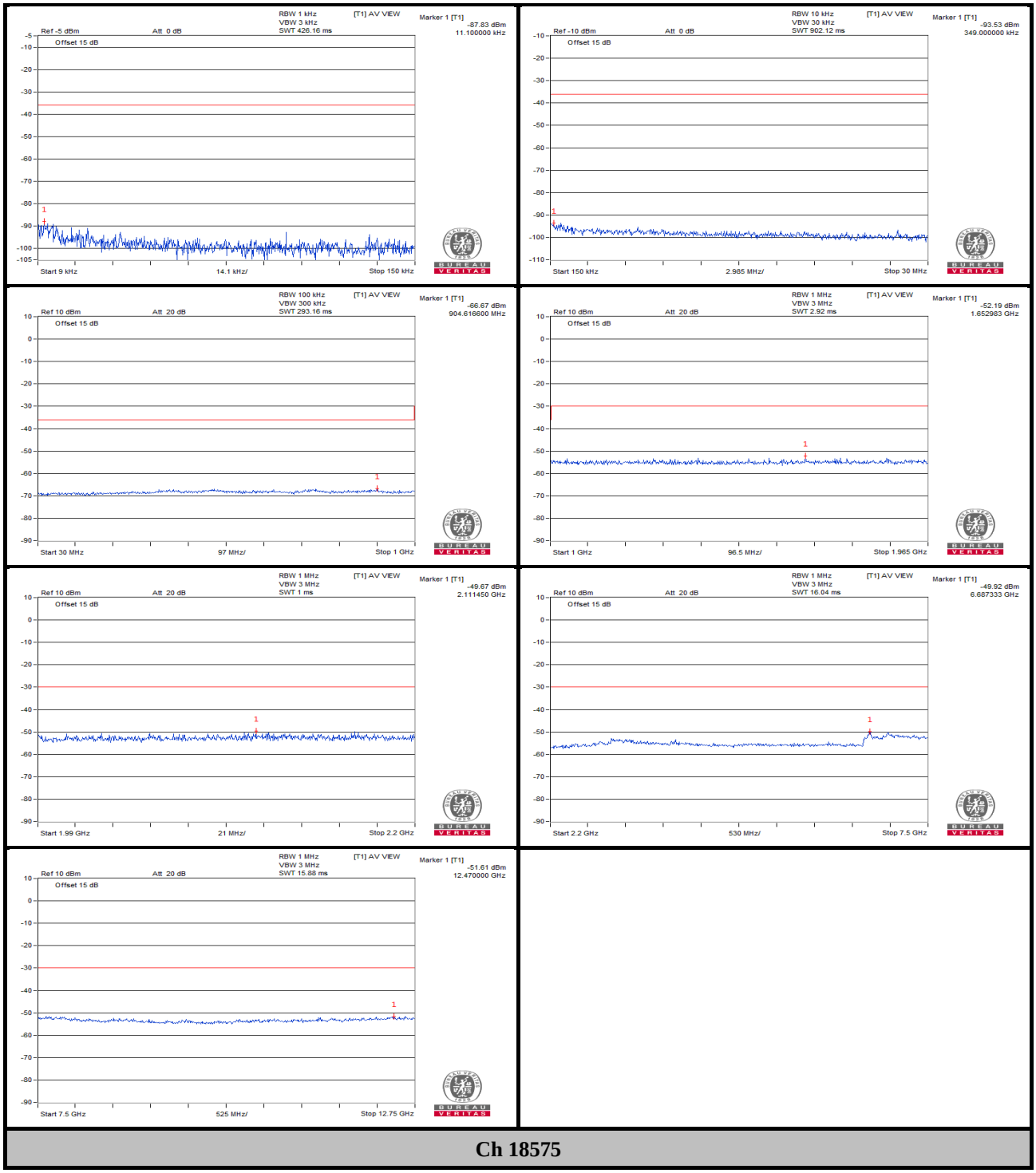
Modulation	Channel	Frequency Range (MHz)	Measurement Value	Limit	Pass / Fail
QPSK	18025	0.009MHz to 0.15MHz	-86.92	-36	PASS
		0.15MHz to 30MHz	-92.44	-36	PASS
		30MHz to 1000MHz	-66.80	-36	PASS
		1000MHz to 1910MHz	-52.71	-30	PASS
		1935MHz to 2200MHz	-49.89	-30	PASS
		2200MHz to 7500MHz	-48.38	-30	PASS
		7500MHz to 12750MHz	-51.72	-30	PASS
	18300	0.009MHz to 0.15MHz	-86.57	-36	PASS
		0.15MHz to 30MHz	-92.72	-36	PASS
		30MHz to 1000MHz	-67.10	-36	PASS
		1000MHz to 1937.5MHz	-52.96	-30	PASS
		1962.5MHz to 2200MHz	-50.52	-30	PASS
		2200MHz to 7500MHz	-49.94	-30	PASS
		7500MHz to 12750MHz	-51.75	-30	PASS
	18575	0.009MHz to 0.15MHz	-87.83	-36	PASS
		0.15MHz to 30MHz	-93.53	-36	PASS
		30MHz to 1000MHz	-66.67	-36	PASS
		1000MHz to 1965MHz	-52.19	-30	PASS
		1990MHz to 2200MHz	-49.67	-30	PASS
		2200MHz to 7500MHz	-49.92	-30	PASS
		7500MHz to 12750MHz	-51.61	-30	PASS


RBW 1 kHz
VBW 3 kHz
SWT 426.16 ms
[T1] AV VIEW
Marker 1 [T1]
-86.92 dBm
11.300000 kHz
Ref -5 dBm
Att 0 dB
Offset 15 dB
Start 9 kHz
14.1 kHz/
Stop 150 kHz
RBW 10 kHz
VBW 30 kHz
SWT 902.12 ms
[T1] AV VIEW
Marker 1 [T1]
-92.44 dBm
349.000000 kHz
Ref -10 dBm
Att 0 dB
Offset 15 dB
Start 150 kHz
2.985 MHz/
Stop 30 MHz
RBW 100 kHz
VBW 300 kHz
SWT 293.16 ms
[T1] AV VIEW
Marker 1 [T1]
-66.80 dBm
372.733300 MHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 30 MHz
97 MHz/
Stop 1 GHz
RBW 1 MHz
VBW 3 MHz
SWT 2.76 ms
[T1] AV VIEW
Marker 1 [T1]
-52.71 dBm
1.655200 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1 GHz
91 MHz/
Stop 1.91 GHz
RBW 1 MHz
VBW 3 MHz
SWT 1 ms
[T1] AV VIEW
Marker 1 [T1]
-49.89 dBm
2.045858 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1.935 GHz
26.5 MHz/
Stop 2.2 GHz
RBW 1 MHz
VBW 3 MHz
SWT 16.04 ms
[T1] AV VIEW
Marker 1 [T1]
-48.38 dBm
6.687333 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 2.2 GHz
530 MHz/
Stop 7.5 GHz
RBW 1 MHz
VBW 3 MHz
SWT 15.88 ms
[T1] AV VIEW
Marker 1 [T1]
-51.72 dBm
11.936250 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 7.5 GHz
525 MHz/
Stop 12.75 GHz

Ch 18025


RBW 1 kHz
VBW 3 kHz
SWT 426.16 ms
[T1] AV VIEW
Marker 1 [T1]
-86.57 dBm
10.100000 kHz
Ref -5 dBm
Att 0 dB
Offset 15 dB
Start 9 kHz
14.1 kHz/
Stop 150 kHz
RBW 10 kHz
VBW 30 kHz
SWT 902.12 ms
[T1] AV VIEW
Marker 1 [T1]
-92.72 dBm
349.000000 kHz
Ref -10 dBm
Att 0 dB
Offset 15 dB
Start 150 kHz
2.985 MHz/
Stop 30 MHz
RBW 100 kHz
VBW 300 kHz
SWT 293.16 ms
[T1] AV VIEW
Marker 1 [T1]
-67.10 dBm
738.100000 MHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 30 MHz
97 MHz/
Stop 1 GHz
RBW 1 MHz
VBW 3 MHz
SWT 2.84 ms
[T1] AV VIEW
Marker 1 [T1]
-52.96 dBm
1.121875 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1 GHz
93.75 MHz/
Stop 1.9375 GHz
RBW 1 MHz
VBW 3 MHz
SWT 1 ms
[T1] AV VIEW
Marker 1 [T1]
-50.52 dBm
2.130729 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1.9625 GHz
23.75 MHz/
Stop 2.2 GHz
RBW 1 MHz
VBW 3 MHz
SWT 16.04 ms
[T1] AV VIEW
Marker 1 [T1]
-49.94 dBm
6.943500 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 2.2 GHz
530 MHz/
Stop 7.5 GHz
RBW 1 MHz
VBW 3 MHz
SWT 15.88 ms
[T1] AV VIEW
Marker 1 [T1]
-51.75 dBm
12.365000 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 7.5 GHz
525 MHz/
Stop 12.75 GHz

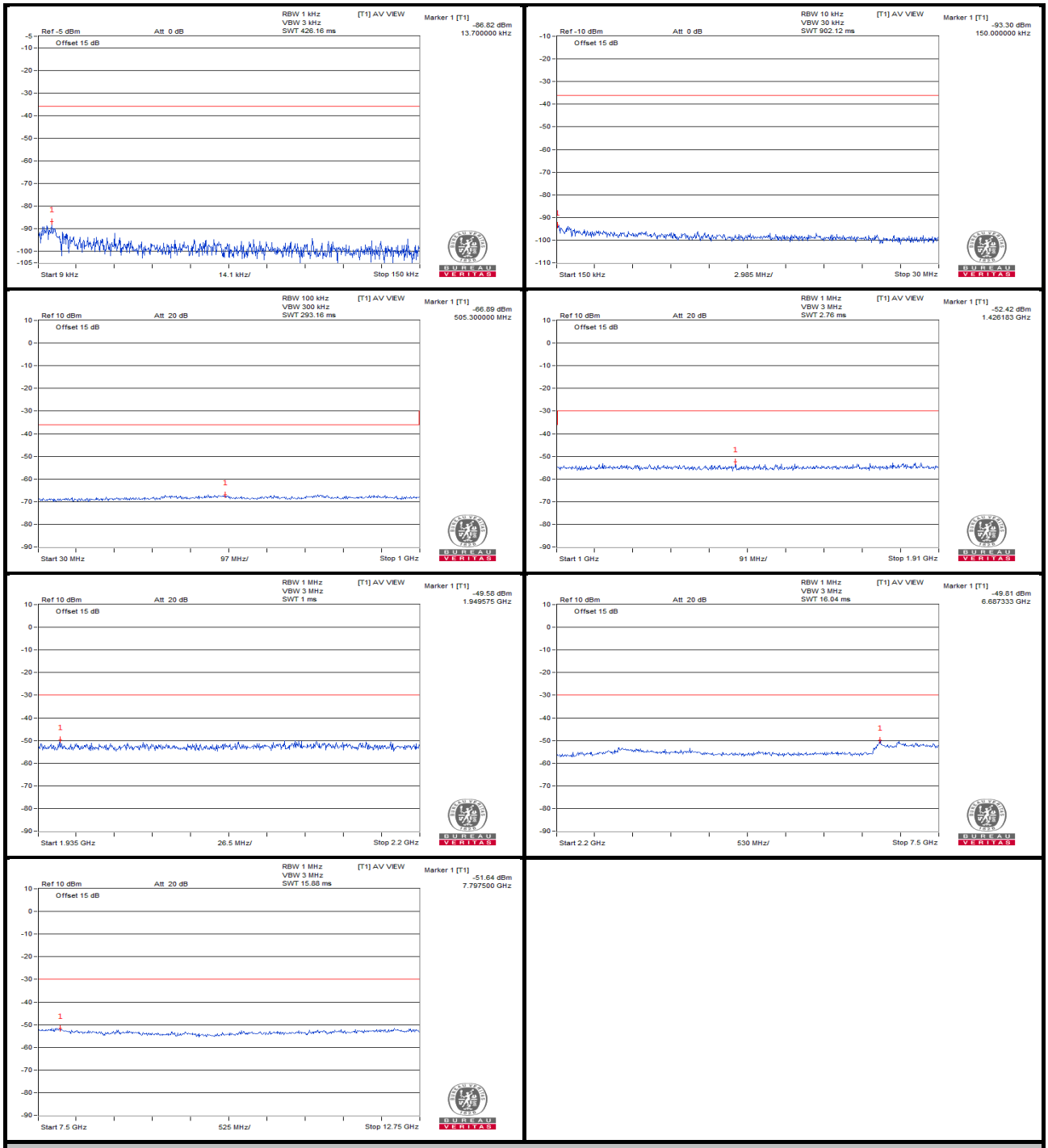
Ch 18300


RBW 1 kHz
VBW 3 kHz
SWT 426.16 ms
[T1] AV VIEW
Marker 1 [T1]
-87.83 dBm
11.100000 kHz
Ref -5 dBm
Att 0 dB
Offset 15 dB
Start 9 kHz
14.1 kHz/
Stop 150 kHz
RBW 10 kHz
VBW 30 kHz
SWT 902.12 ms
[T1] AV VIEW
Marker 1 [T1]
-93.53 dBm
349.000000 kHz
Ref -10 dBm
Att 0 dB
Offset 15 dB
Start 150 kHz
2.985 MHz/
Stop 30 MHz
RBW 100 kHz
VBW 300 kHz
SWT 293.16 ms
[T1] AV VIEW
Marker 1 [T1]
-66.67 dBm
904.616600 MHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 30 MHz
97 MHz/
Stop 1 GHz
RBW 1 MHz
VBW 3 MHz
SWT 2.92 ms
[T1] AV VIEW
Marker 1 [T1]
-52.19 dBm
1.652983 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1 GHz
96.5 MHz/
Stop 1.965 GHz
RBW 1 MHz
VBW 3 MHz
SWT 1 ms
[T1] AV VIEW
Marker 1 [T1]
-49.67 dBm
2.111450 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1.99 GHz
21 MHz/
Stop 2.2 GHz
RBW 1 MHz
VBW 3 MHz
SWT 16.04 ms
[T1] AV VIEW
Marker 1 [T1]
-49.92 dBm
6.687333 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 2.2 GHz
530 MHz/
Stop 7.5 GHz
RBW 1 MHz
VBW 3 MHz
SWT 15.88 ms
[T1] AV VIEW
Marker 1 [T1]
-51.61 dBm
12.470000 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 7.5 GHz
525 MHz/
Stop 12.75 GHz

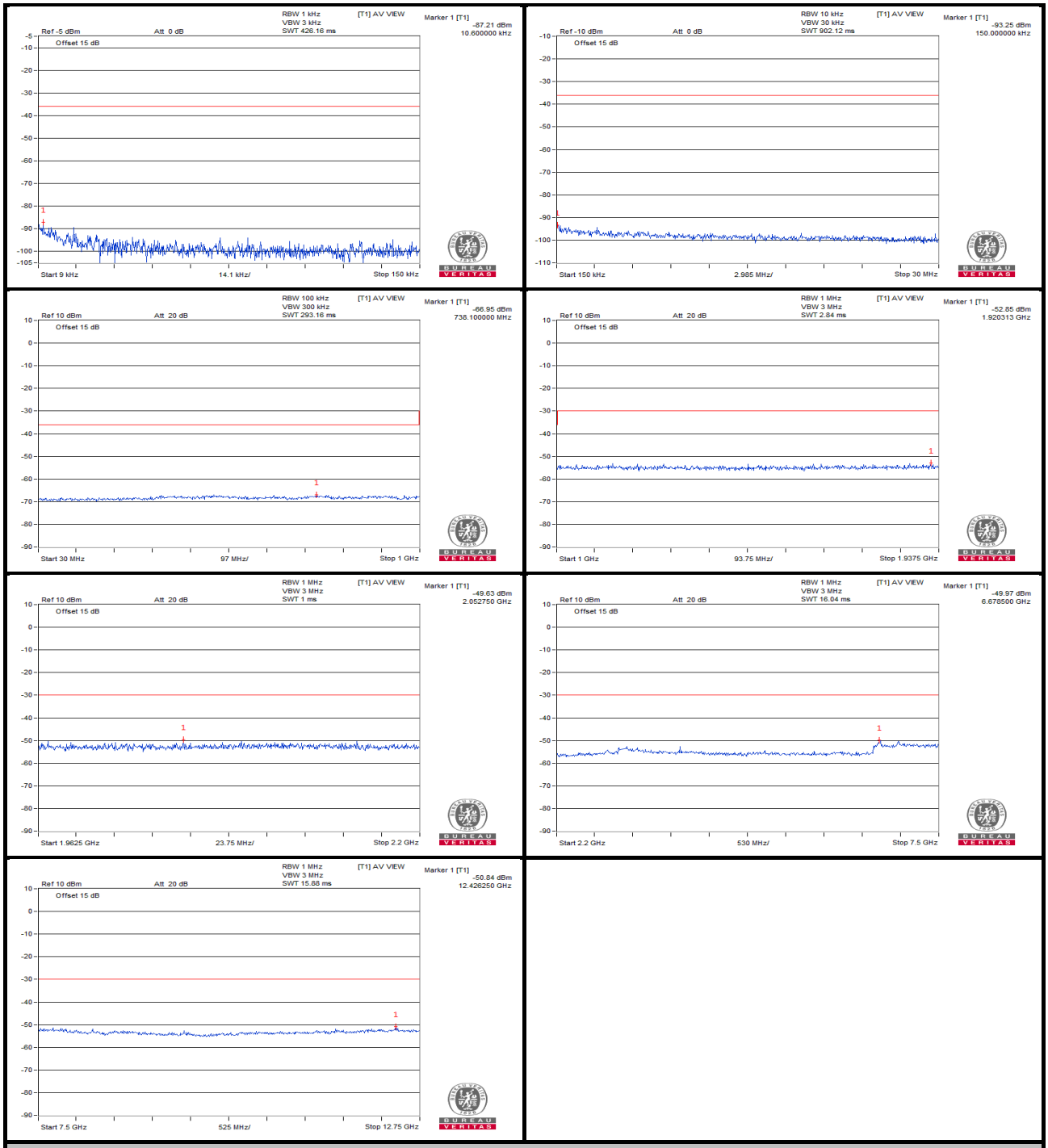
Ch 18575

Bandwidth: 5 MHz / QPSK (1 RB / 24 RB Offset)

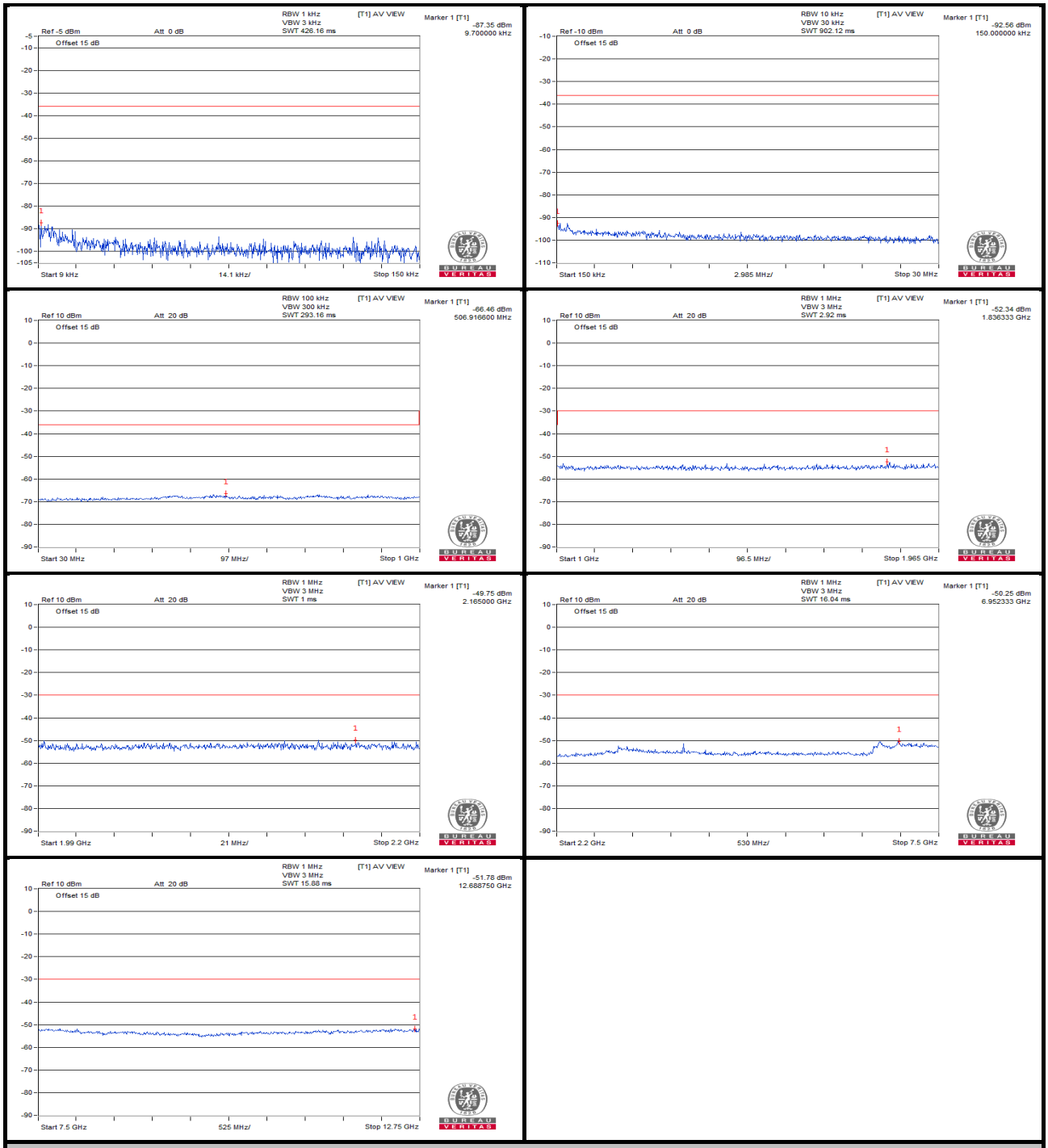
Modulation	Channel	Frequency Range (MHz)	Measurement Value	Limit	Pass / Fail
QPSK	18025	0.009MHz to 0.15MHz	-86.82	-36	PASS
		0.15MHz to 30MHz	-93.30	-36	PASS
		30MHz to 1000MHz	-66.89	-36	PASS
		1000MHz to 1910MHz	-52.42	-30	PASS
		1935MHz to 2200MHz	-49.58	-30	PASS
		2200MHz to 7500MHz	-49.81	-30	PASS
		7500MHz to 12750MHz	-51.64	-30	PASS
	18300	0.009MHz to 0.15MHz	-87.21	-36	PASS
		0.15MHz to 30MHz	-93.25	-36	PASS
		30MHz to 1000MHz	-66.95	-36	PASS
		1000MHz to 1937.5MHz	-52.85	-30	PASS
		1962.5MHz to 2200MHz	-49.63	-30	PASS
		2200MHz to 7500MHz	-49.97	-30	PASS
		7500MHz to 12750MHz	-50.84	-30	PASS
	18575	0.009MHz to 0.15MHz	-87.35	-36	PASS
		0.15MHz to 30MHz	-92.56	-36	PASS
		30MHz to 1000MHz	-66.46	-36	PASS
		1000MHz to 1965MHz	-52.34	-30	PASS
		1990MHz to 2200MHz	-49.75	-30	PASS
		2200MHz to 7500MHz	-50.25	-30	PASS
		7500MHz to 12750MHz	-51.78	-30	PASS


RBW 1 kHz
VBW 3 kHz
SWT 426.16 ms
[T1] AV VIEW
Marker 1 [T1]
-86.82 dBm
13.700000 kHz
Ref -5 dBm
Att 0 dB
Offset 15 dB
Start 9 kHz
14.1 kHz/
Stop 150 kHz
RBW 10 kHz
VBW 30 kHz
SWT 902.12 ms
[T1] AV VIEW
Marker 1 [T1]
-93.30 dBm
150.000000 kHz
Ref -10 dBm
Att 0 dB
Offset 15 dB
Start 150 kHz
2.985 MHz/
Stop 30 MHz
RBW 100 kHz
VBW 300 kHz
SWT 293.16 ms
[T1] AV VIEW
Marker 1 [T1]
-66.89 dBm
505.300000 MHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 30 MHz
97 MHz/
Stop 1 GHz
RBW 1 MHz
VBW 3 MHz
SWT 2.76 ms
[T1] AV VIEW
Marker 1 [T1]
-52.42 dBm
1.426183 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1 GHz
91 MHz/
Stop 1.91 GHz
RBW 1 MHz
VBW 3 MHz
SWT 1 ms
[T1] AV VIEW
Marker 1 [T1]
-49.58 dBm
1.949575 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1.935 GHz
26.5 MHz/
Stop 2.2 GHz
RBW 1 MHz
VBW 3 MHz
SWT 16.04 ms
[T1] AV VIEW
Marker 1 [T1]
-49.81 dBm
6.687333 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 2.2 GHz
530 MHz/
Stop 7.5 GHz
RBW 1 MHz
VBW 3 MHz
SWT 15.88 ms
[T1] AV VIEW
Marker 1 [T1]
-51.64 dBm
7.797500 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 7.5 GHz
525 MHz/
Stop 12.75 GHz

Ch 18025


RBW 1 kHz
VBW 3 kHz
SWT 426.16 ms
[T1] AV VIEW
Marker 1 [T1]
-87.21 dBm
10.600000 kHz
Ref -5 dBm
Att 0 dB
Offset 15 dB
Start 9 kHz
14.1 kHz/
Stop 150 kHz
RBW 10 kHz
VBW 30 kHz
SWT 902.12 ms
[T1] AV VIEW
Marker 1 [T1]
-93.25 dBm
150.000000 kHz
Ref -10 dBm
Att 0 dB
Offset 15 dB
Start 150 kHz
2.985 MHz/
Stop 30 MHz
RBW 100 kHz
VBW 300 kHz
SWT 293.16 ms
[T1] AV VIEW
Marker 1 [T1]
-66.95 dBm
738.100000 MHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 30 MHz
97 MHz/
Stop 1 GHz
RBW 1 MHz
VBW 3 MHz
SWT 2.84 ms
[T1] AV VIEW
Marker 1 [T1]
-52.85 dBm
1.920313 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1 GHz
93.75 MHz/
Stop 1.9375 GHz
RBW 1 MHz
VBW 3 MHz
SWT 1 ms
[T1] AV VIEW
Marker 1 [T1]
-49.63 dBm
2.052750 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1.9625 GHz
23.75 MHz/
Stop 2.2 GHz
RBW 1 MHz
VBW 3 MHz
SWT 16.04 ms
[T1] AV VIEW
Marker 1 [T1]
-49.97 dBm
6.678500 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 2.2 GHz
530 MHz/
Stop 7.5 GHz
RBW 1 MHz
VBW 3 MHz
SWT 15.88 ms
[T1] AV VIEW
Marker 1 [T1]
-50.84 dBm
12.426250 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 7.5 GHz
525 MHz/
Stop 12.75 GHz

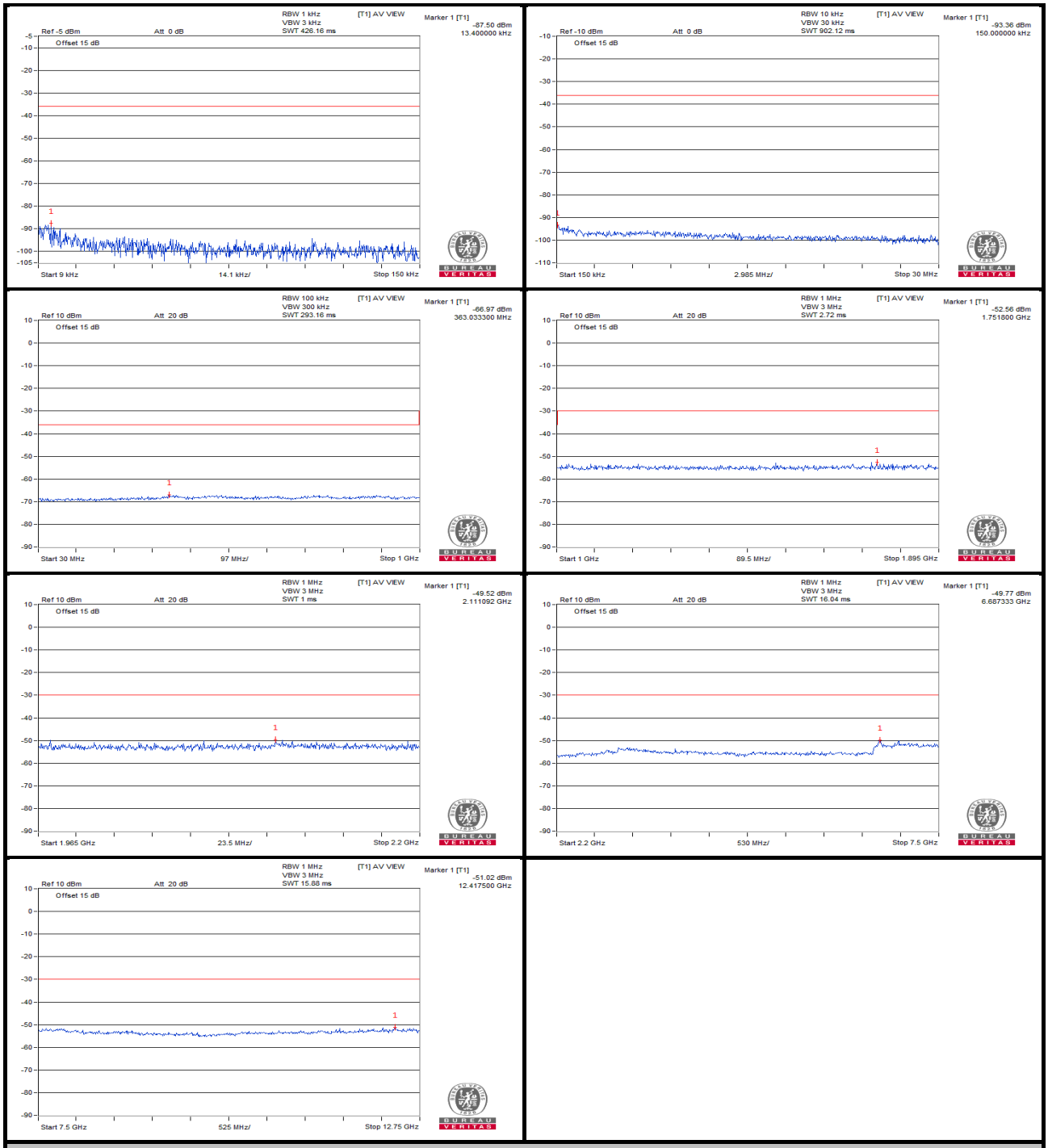
Ch 18300


RBW 1 kHz
VBW 3 kHz
SWT 426.16 ms
[T1] AV VIEW
Marker 1 [T1]
-87.35 dBm
9.700000 kHz
Ref -5 dBm
Att 0 dB
Offset 15 dB
Start 9 kHz
14.1 kHz/
Stop 150 kHz
RBW 10 kHz
VBW 30 kHz
SWT 902.12 ms
[T1] AV VIEW
Marker 1 [T1]
-92.56 dBm
150.000000 kHz
Ref -10 dBm
Att 0 dB
Offset 15 dB
Start 150 kHz
2.985 MHz/
Stop 30 MHz
RBW 100 kHz
VBW 300 kHz
SWT 293.16 ms
[T1] AV VIEW
Marker 1 [T1]
-66.46 dBm
506.916600 MHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 30 MHz
97 MHz/
Stop 1 GHz
RBW 1 MHz
VBW 3 MHz
SWT 2.92 ms
[T1] AV VIEW
Marker 1 [T1]
-52.34 dBm
1.836333 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1 GHz
96.5 MHz/
Stop 1.965 GHz
RBW 1 MHz
VBW 3 MHz
SWT 1 ms
[T1] AV VIEW
Marker 1 [T1]
-49.75 dBm
2.165000 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1.99 GHz
21 MHz/
Stop 2.2 GHz
RBW 1 MHz
VBW 3 MHz
SWT 16.04 ms
[T1] AV VIEW
Marker 1 [T1]
-50.25 dBm
6.952333 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 2.2 GHz
530 MHz/
Stop 7.5 GHz
RBW 1 MHz
VBW 3 MHz
SWT 15.88 ms
[T1] AV VIEW
Marker 1 [T1]
-51.78 dBm
12.688750 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 7.5 GHz
525 MHz/
Stop 12.75 GHz

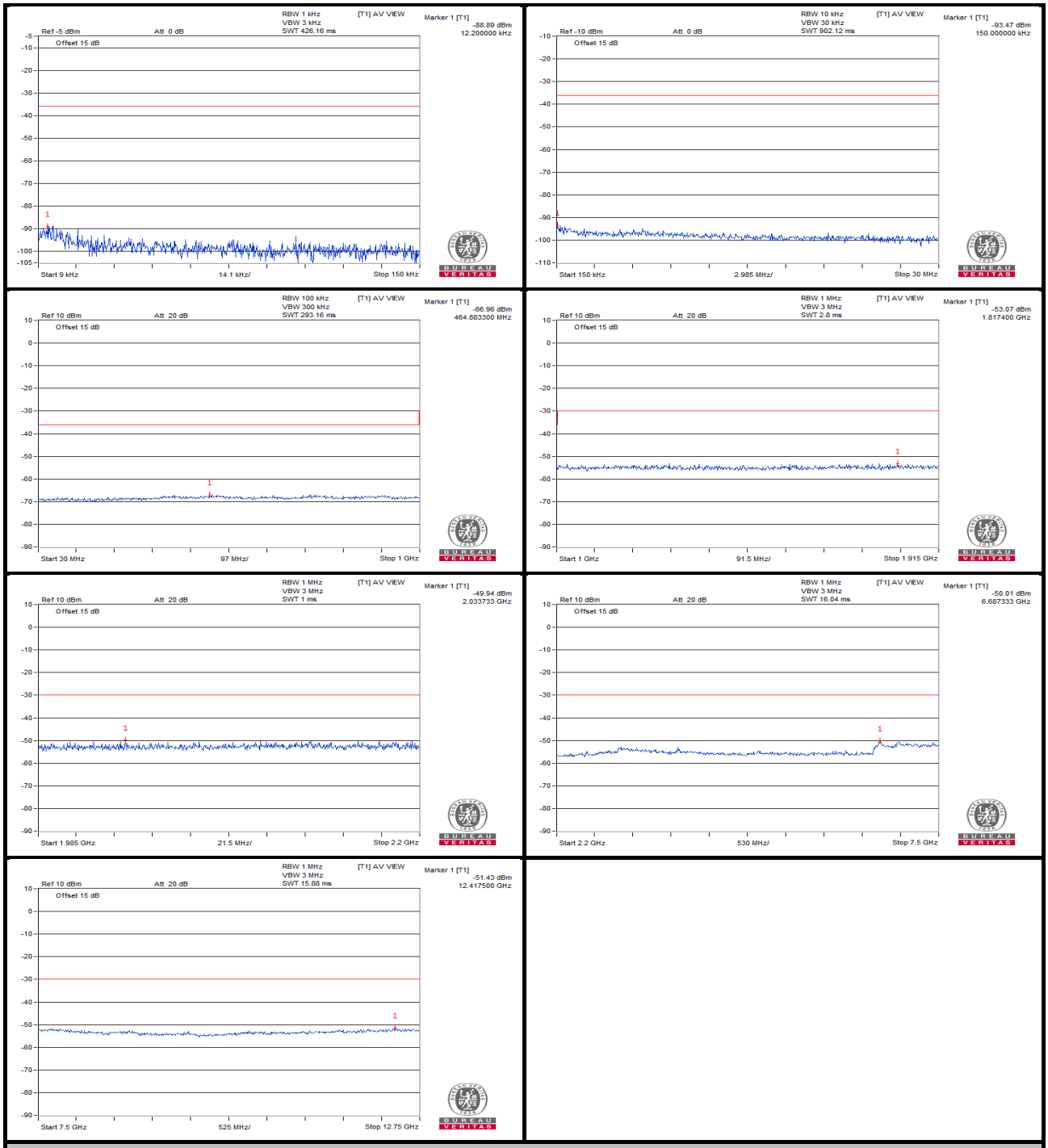
Ch 18575

Bandwidth: 20 MHz / QPSK (1 RB / 0 RB Offset)

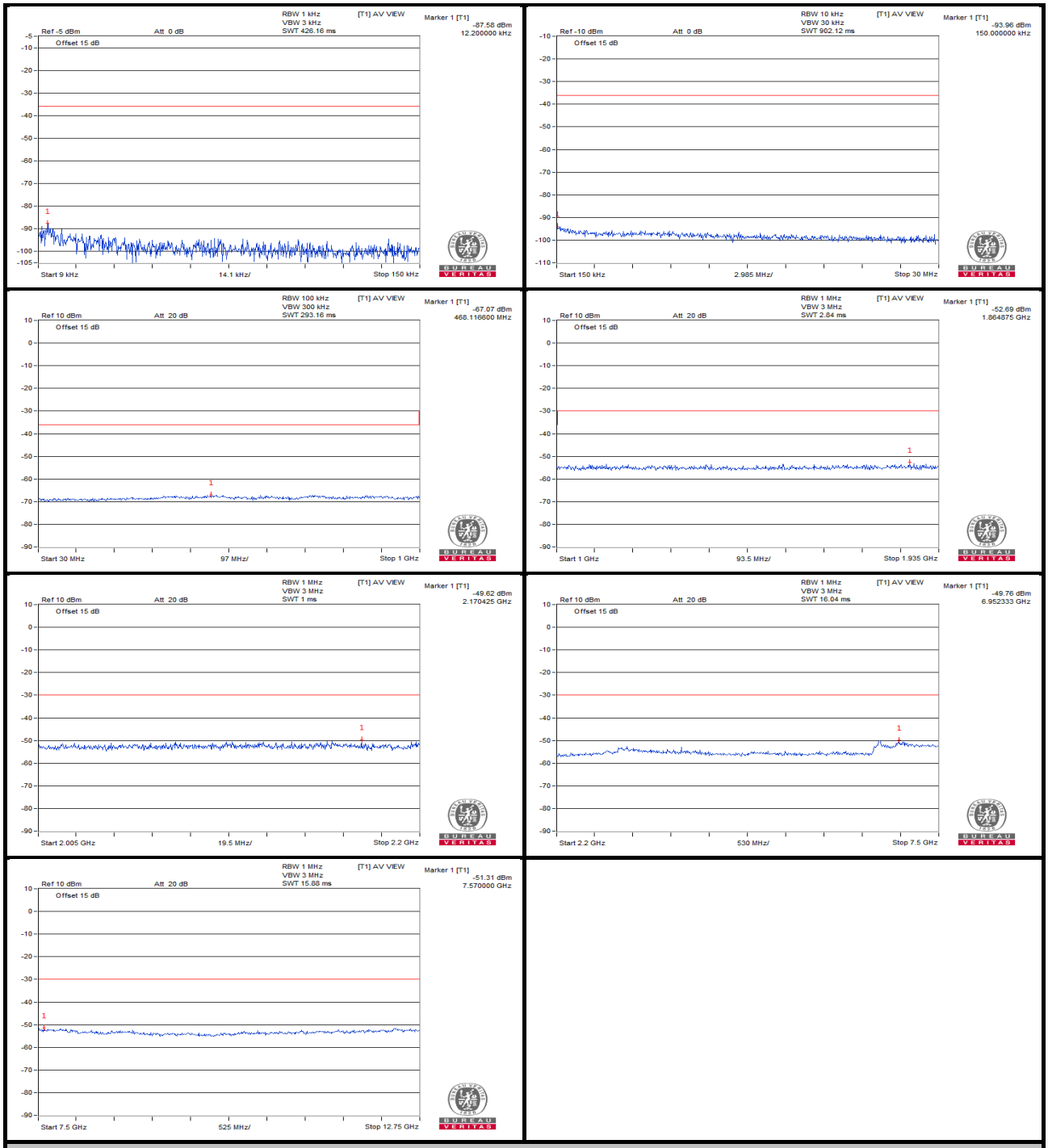
Modulation	Channel	Frequency Range (MHz)	Measurement Value	Limit	Pass / Fail
QPSK	18100	0.009MHz to 0.15MHz	-87.50	-36	PASS
		0.15MHz to 30MHz	-93.36	-36	PASS
		30MHz to 1000MHz	-66.97	-36	PASS
		1000MHz to 1895MHz	-52.56	-30	PASS
		1965MHz to 2200MHz	-49.52	-30	PASS
		2200MHz to 7500MHz	-49.77	-30	PASS
		7500MHz to 12750MHz	-51.02	-30	PASS
	18300	0.009MHz to 0.15MHz	-88.89	-36	PASS
		0.15MHz to 30MHz	-93.47	-36	PASS
		30MHz to 1000MHz	-66.96	-36	PASS
		1000MHz to 1915MHz	-53.07	-30	PASS
		1985MHz to 2200MHz	-49.94	-30	PASS
		2200MHz to 7500MHz	-50.01	-30	PASS
		7500MHz to 12750MHz	-51.43	-30	PASS
	18500	0.009MHz to 0.15MHz	-87.58	-36	PASS
		0.15MHz to 30MHz	-93.96	-36	PASS
		30MHz to 1000MHz	-67.07	-36	PASS
		1000MHz to 1935MHz	-52.69	-30	PASS
		2005MHz to 2200MHz	-49.62	-30	PASS
		2200MHz to 7500MHz	-49.76	-30	PASS
		7500MHz to 12750MHz	-51.31	-30	PASS


RBW 1 kHz
VBW 3 kHz
SWT 426.16 ms
[T1] AV VIEW
Marker 1 [T1]
-87.50 dBm
13.400000 kHz
Ref -5 dBm
Att 0 dB
Offset 15 dB
Start 9 kHz
14.1 kHz/
Stop 150 kHz
RBW 10 kHz
VBW 30 kHz
SWT 902.12 ms
[T1] AV VIEW
Marker 1 [T1]
-93.36 dBm
150.000000 kHz
Ref -10 dBm
Att 0 dB
Offset 15 dB
Start 150 kHz
2.985 MHz/
Stop 30 MHz
RBW 100 kHz
VBW 300 kHz
SWT 293.16 ms
[T1] AV VIEW
Marker 1 [T1]
-66.97 dBm
363.033300 MHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 30 MHz
97 MHz/
Stop 1 GHz
RBW 1 MHz
VBW 3 MHz
SWT 2.72 ms
[T1] AV VIEW
Marker 1 [T1]
-52.56 dBm
1.751800 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1 GHz
89.5 MHz/
Stop 1.895 GHz
RBW 1 MHz
VBW 3 MHz
SWT 1 ms
[T1] AV VIEW
Marker 1 [T1]
-49.52 dBm
2.111092 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1.965 GHz
23.5 MHz/
Stop 2.2 GHz
RBW 1 MHz
VBW 3 MHz
SWT 16.04 ms
[T1] AV VIEW
Marker 1 [T1]
-49.77 dBm
6.687333 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 2.2 GHz
530 MHz/
Stop 7.5 GHz
RBW 1 MHz
VBW 3 MHz
SWT 15.88 ms
[T1] AV VIEW
Marker 1 [T1]
-51.02 dBm
12.417500 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 7.5 GHz
525 MHz/
Stop 12.75 GHz

Ch 18100


RBW 1 kHz
VBW 3 kHz
SWT 426.16 ms
[T1] AV VIEW
Marker 1 [T1]
-88.89 dBm
12.200000 kHz
Ref -5 dBm
Att 0 dB
Offset 15 dB
Start 9 kHz
14.1 kHz/
Stop 150 kHz
RBW 10 kHz
VBW 30 kHz
SWT 902.12 ms
[T1] AV VIEW
Marker 1 [T1]
-93.47 dBm
150.000000 kHz
Ref -10 dBm
Att 0 dB
Offset 15 dB
Start 150 kHz
2.985 MHz/
Stop 30 MHz
RBW 100 kHz
VBW 300 kHz
SWT 293.16 ms
[T1] AV VIEW
Marker 1 [T1]
-66.96 dBm
464.883300 MHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 30 MHz
97 MHz/
Stop 1 GHz
RBW 1 MHz
VBW 3 MHz
SWT 2.8 ms
[T1] AV VIEW
Marker 1 [T1]
-53.07 dBm
1.817400 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1 GHz
91.5 MHz/
Stop 1.915 GHz
RBW 1 MHz
VBW 3 MHz
SWT 1 ms
[T1] AV VIEW
Marker 1 [T1]
-49.94 dBm
2.033733 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1.985 GHz
21.5 MHz/
Stop 2.2 GHz
RBW 1 MHz
VBW 3 MHz
SWT 16.04 ms
[T1] AV VIEW
Marker 1 [T1]
-50.01 dBm
6.687333 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 2.2 GHz
530 MHz/
Stop 7.5 GHz
RBW 1 MHz
VBW 3 MHz
SWT 15.88 ms
[T1] AV VIEW
Marker 1 [T1]
-51.43 dBm
12.417500 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 7.5 GHz
525 MHz/
Stop 12.75 GHz

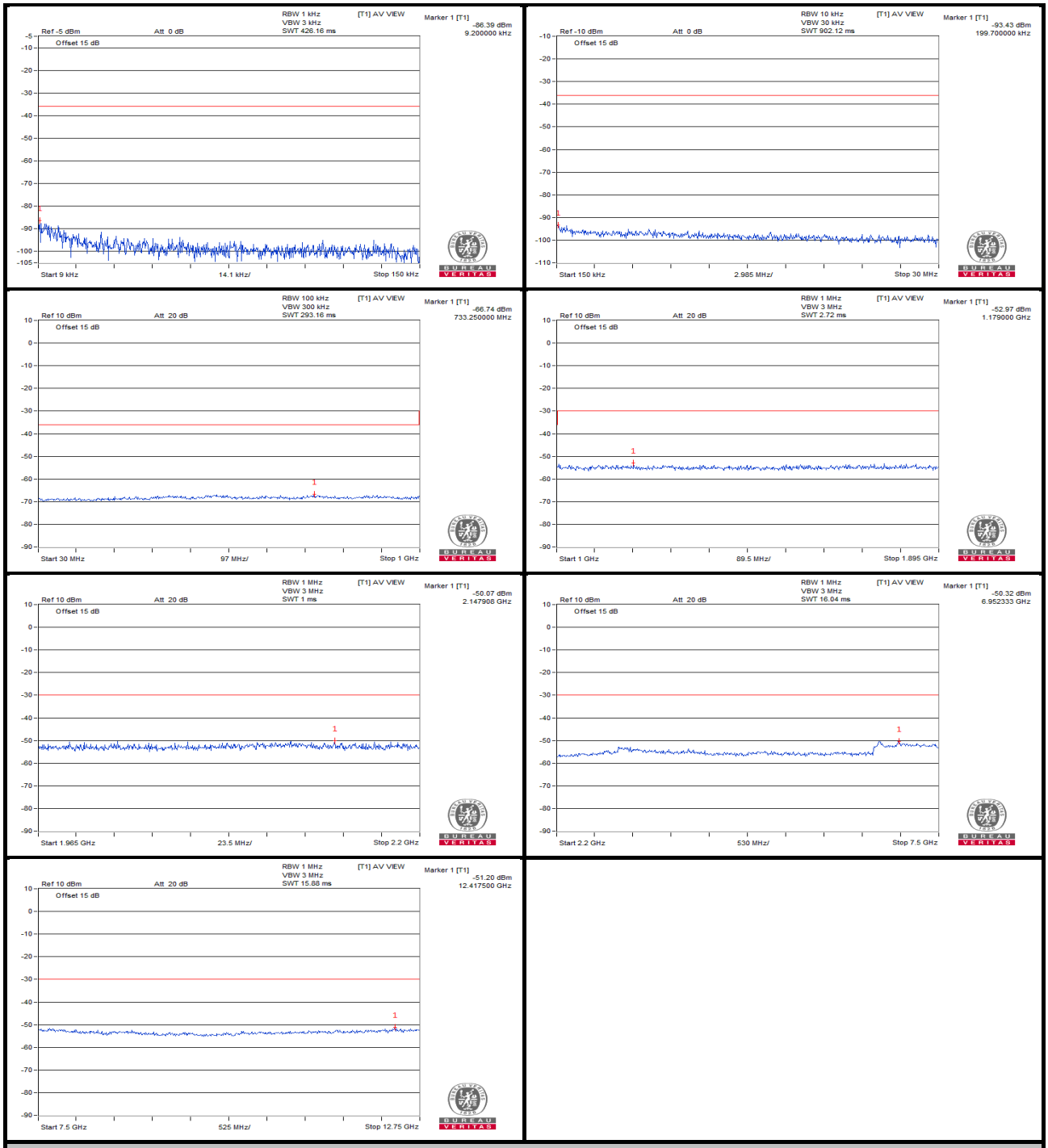
Ch 18300


RBW 1 kHz
VBW 3 kHz
SWT 426.16 ms
[T1] AV VIEW
Marker 1 [T1]
-87.58 dBm
12.200000 kHz
Ref -5 dBm
Att 0 dB
Offset 15 dB
Start 9 kHz
14.1 kHz/
Stop 150 kHz
RBW 10 kHz
VBW 30 kHz
SWT 902.12 ms
[T1] AV VIEW
Marker 1 [T1]
-93.96 dBm
150.000000 kHz
Ref -10 dBm
Att 0 dB
Offset 15 dB
Start 150 kHz
2.985 MHz/
Stop 30 MHz
RBW 100 kHz
VBW 300 kHz
SWT 293.16 ms
[T1] AV VIEW
Marker 1 [T1]
-67.07 dBm
468.116600 MHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 30 MHz
97 MHz/
Stop 1 GHz
RBW 1 MHz
VBW 3 MHz
SWT 2.84 ms
[T1] AV VIEW
Marker 1 [T1]
-52.69 dBm
1.864875 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1 GHz
93.5 MHz/
Stop 1.935 GHz
RBW 1 MHz
VBW 3 MHz
SWT 1 ms
[T1] AV VIEW
Marker 1 [T1]
-49.62 dBm
2.170425 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 2.005 GHz
19.5 MHz/
Stop 2.2 GHz
RBW 1 MHz
VBW 3 MHz
SWT 16.04 ms
[T1] AV VIEW
Marker 1 [T1]
-49.76 dBm
6.952333 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 2.2 GHz
530 MHz/
Stop 7.5 GHz
RBW 1 MHz
VBW 3 MHz
SWT 15.88 ms
[T1] AV VIEW
Marker 1 [T1]
-51.31 dBm
7.570000 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 7.5 GHz
525 MHz/
Stop 12.75 GHz

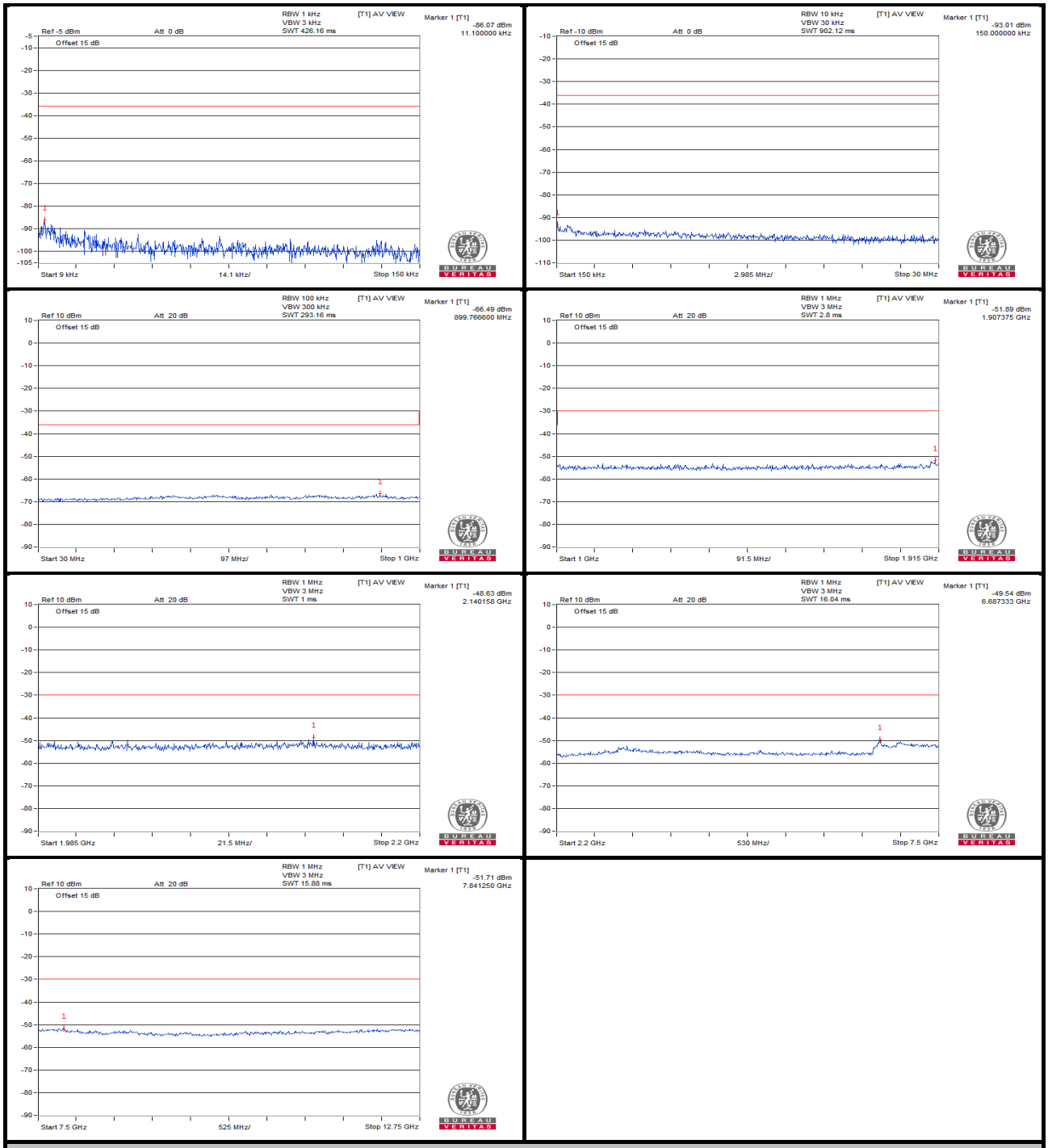
Ch 18500

Bandwidth: 20 MHz / QPSK (100 RB / 0 RB Offset)

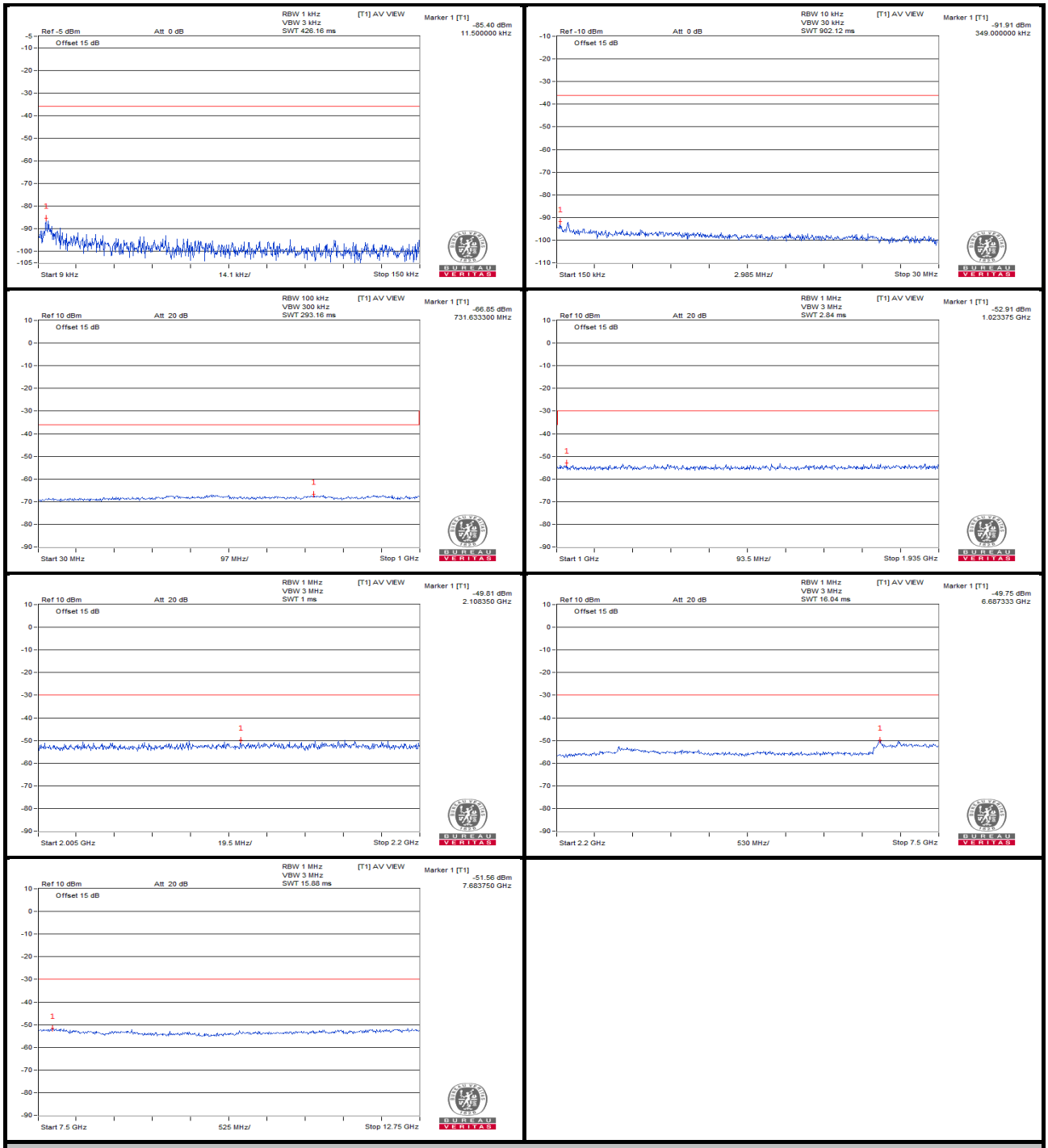
Modulation	Channel	Frequency Range (MHz)	Measurement Value	Limit	Pass / Fail
QPSK	18100	0.009MHz to 0.15MHz	-86.39	-36	PASS
		0.15MHz to 30MHz	-93.43	-36	PASS
		30MHz to 1000MHz	-66.74	-36	PASS
		1000MHz to 1895MHz	-52.97	-30	PASS
		1965MHz to 2200MHz	-50.07	-30	PASS
		2200MHz to 7500MHz	-50.32	-30	PASS
		7500MHz to 12750MHz	-51.20	-30	PASS
	18300	0.009MHz to 0.15MHz	-86.07	-36	PASS
		0.15MHz to 30MHz	-93.01	-36	PASS
		30MHz to 1000MHz	-66.49	-36	PASS
		1000MHz to 1915MHz	-51.89	-30	PASS
		1985MHz to 2200MHz	-48.63	-30	PASS
		2200MHz to 7500MHz	-49.54	-30	PASS
		7500MHz to 12750MHz	-51.71	-30	PASS
	18500	0.009MHz to 0.15MHz	-85.40	-36	PASS
		0.15MHz to 30MHz	-91.91	-36	PASS
		30MHz to 1000MHz	-66.85	-36	PASS
		1000MHz to 1935MHz	-52.91	-30	PASS
		2005MHz to 2200MHz	-49.81	-30	PASS
		2200MHz to 7500MHz	-49.75	-30	PASS
		7500MHz to 12750MHz	-51.56	-30	PASS


RBW 1 kHz
VBW 3 kHz
SWT 426.16 ms
[T1] AV VIEW
Marker 1 [T1]
-86.39 dBm
9.200000 kHz
Ref -5 dBm
Att 0 dB
Offset 15 dB
Start 9 kHz
14.1 kHz/
Stop 150 kHz
RBW 10 kHz
VBW 30 kHz
SWT 902.12 ms
[T1] AV VIEW
Marker 1 [T1]
-93.43 dBm
199.700000 kHz
Ref -10 dBm
Att 0 dB
Offset 15 dB
Start 150 kHz
2.985 MHz/
Stop 30 MHz
RBW 100 kHz
VBW 300 kHz
SWT 293.16 ms
[T1] AV VIEW
Marker 1 [T1]
-66.74 dBm
733.250000 MHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 30 MHz
97 MHz/
Stop 1 GHz
RBW 1 MHz
VBW 3 MHz
SWT 2.72 ms
[T1] AV VIEW
Marker 1 [T1]
-52.97 dBm
1.179000 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1 GHz
89.5 MHz/
Stop 1.895 GHz
RBW 1 MHz
VBW 3 MHz
SWT 1 ms
[T1] AV VIEW
Marker 1 [T1]
-50.07 dBm
2.147908 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1.965 GHz
23.5 MHz/
Stop 2.2 GHz
RBW 1 MHz
VBW 3 MHz
SWT 16.04 ms
[T1] AV VIEW
Marker 1 [T1]
-50.32 dBm
6.952333 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 2.2 GHz
530 MHz/
Stop 7.5 GHz
RBW 1 MHz
VBW 3 MHz
SWT 15.88 ms
[T1] AV VIEW
Marker 1 [T1]
-51.20 dBm
12.417500 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 7.5 GHz
525 MHz/
Stop 12.75 GHz

Ch 18100


RBW 1 kHz
VBW 3 kHz
SWT 426.16 ms
[T1] AV VIEW
Marker 1 [T1]
-86.07 dBm
11.100000 kHz
Ref -5 dBm
Att 0 dB
Offset 15 dB
Start 9 kHz
14.1 kHz/
Stop 150 kHz
RBW 10 kHz
VBW 30 kHz
SWT 902.12 ms
[T1] AV VIEW
Marker 1 [T1]
-93.01 dBm
150.000000 kHz
Ref -10 dBm
Att 0 dB
Offset 15 dB
Start 150 kHz
2.985 MHz/
Stop 30 MHz
RBW 100 kHz
VBW 300 kHz
SWT 293.16 ms
[T1] AV VIEW
Marker 1 [T1]
-66.49 dBm
899.766600 MHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 30 MHz
97 MHz/
Stop 1 GHz
RBW 1 MHz
VBW 3 MHz
SWT 2.8 ms
[T1] AV VIEW
Marker 1 [T1]
-51.89 dBm
1.907375 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1 GHz
91.5 MHz/
Stop 1.915 GHz
RBW 1 MHz
VBW 3 MHz
SWT 1 ms
[T1] AV VIEW
Marker 1 [T1]
-48.63 dBm
2.140158 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1.985 GHz
21.5 MHz/
Stop 2.2 GHz
RBW 1 MHz
VBW 3 MHz
SWT 16.04 ms
[T1] AV VIEW
Marker 1 [T1]
-49.54 dBm
6.687333 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 2.2 GHz
530 MHz/
Stop 7.5 GHz
RBW 1 MHz
VBW 3 MHz
SWT 15.88 ms
[T1] AV VIEW
Marker 1 [T1]
-51.71 dBm
7.841250 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 7.5 GHz
525 MHz/
Stop 12.75 GHz

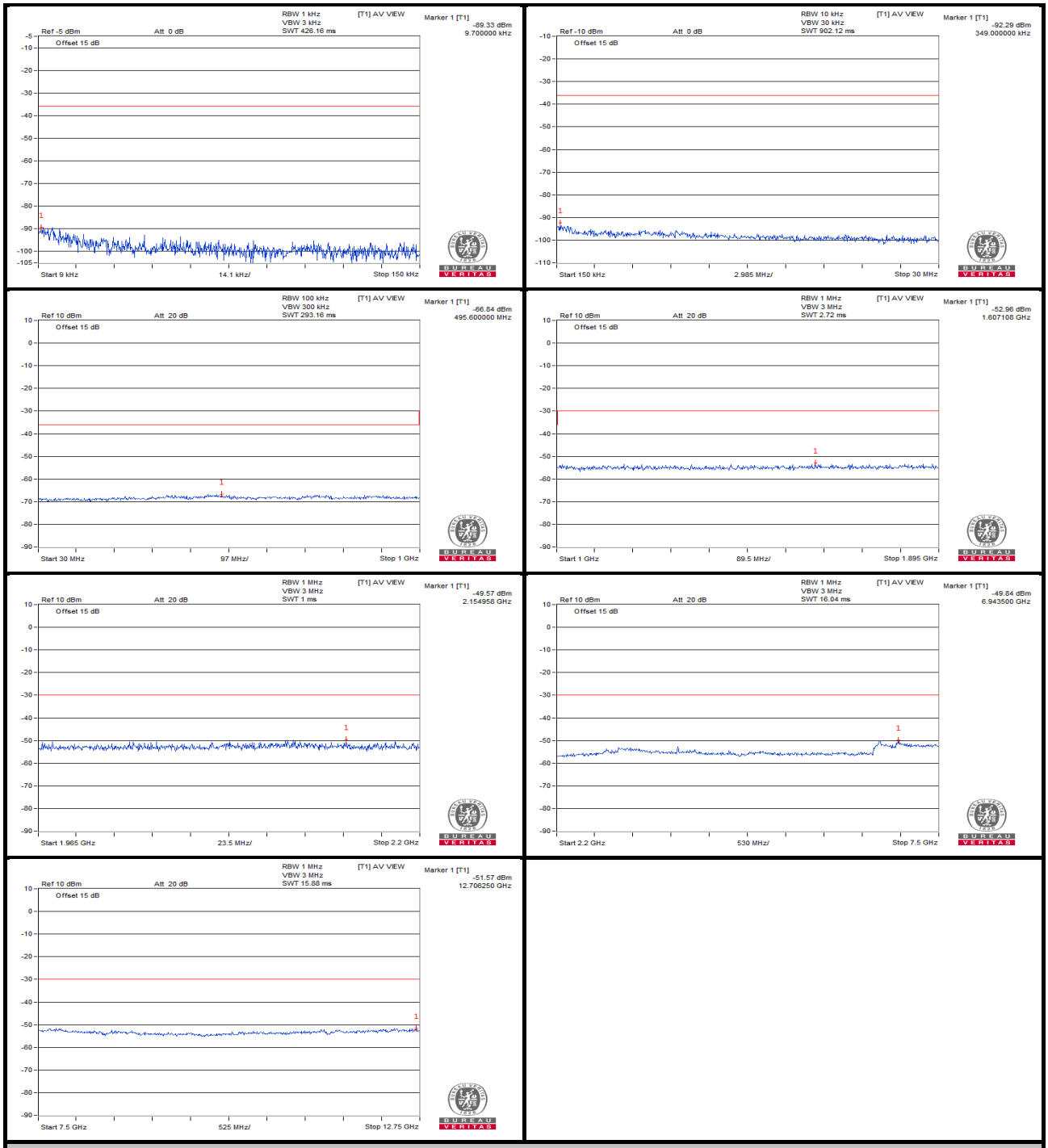
Ch 18300


RBW 1 kHz
VBW 3 kHz
SWT 426.16 ms
[T1] AV VIEW
Marker 1 [T1]
-85.40 dBm
11.500000 kHz
Ref -5 dBm
Att 0 dB
Offset 15 dB
Start 9 kHz
14.1 kHz/
Stop 150 kHz
RBW 10 kHz
VBW 30 kHz
SWT 902.12 ms
[T1] AV VIEW
Marker 1 [T1]
-91.91 dBm
349.000000 kHz
Ref -10 dBm
Att 0 dB
Offset 15 dB
Start 150 kHz
2.985 MHz/
Stop 30 MHz
RBW 100 kHz
VBW 300 kHz
SWT 293.16 ms
[T1] AV VIEW
Marker 1 [T1]
-66.85 dBm
731.633300 MHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 30 MHz
97 MHz/
Stop 1 GHz
RBW 1 MHz
VBW 3 MHz
SWT 2.84 ms
[T1] AV VIEW
Marker 1 [T1]
-52.91 dBm
1.023375 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1 GHz
93.5 MHz/
Stop 1.935 GHz
RBW 1 MHz
VBW 3 MHz
SWT 1 ms
[T1] AV VIEW
Marker 1 [T1]
-49.81 dBm
2.108350 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 2.005 GHz
19.5 MHz/
Stop 2.2 GHz
RBW 1 MHz
VBW 3 MHz
SWT 16.04 ms
[T1] AV VIEW
Marker 1 [T1]
-49.75 dBm
6.687333 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 2.2 GHz
530 MHz/
Stop 7.5 GHz
RBW 1 MHz
VBW 3 MHz
SWT 15.88 ms
[T1] AV VIEW
Marker 1 [T1]
-51.56 dBm
7.683750 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 7.5 GHz
525 MHz/
Stop 12.75 GHz

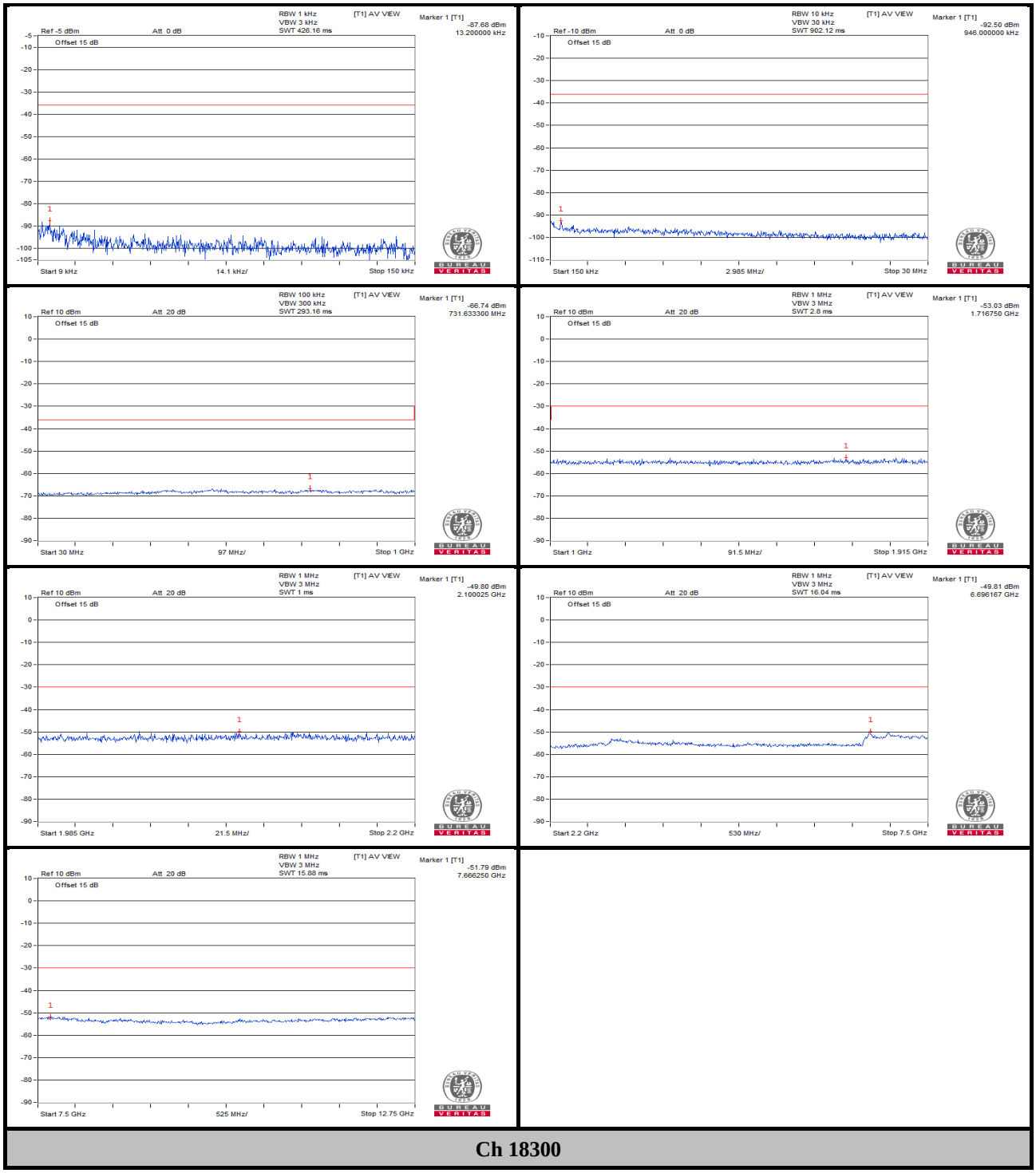
Ch 18500

Bandwidth: 20 MHz / QPSK (1 RB / 99 RB Offset)

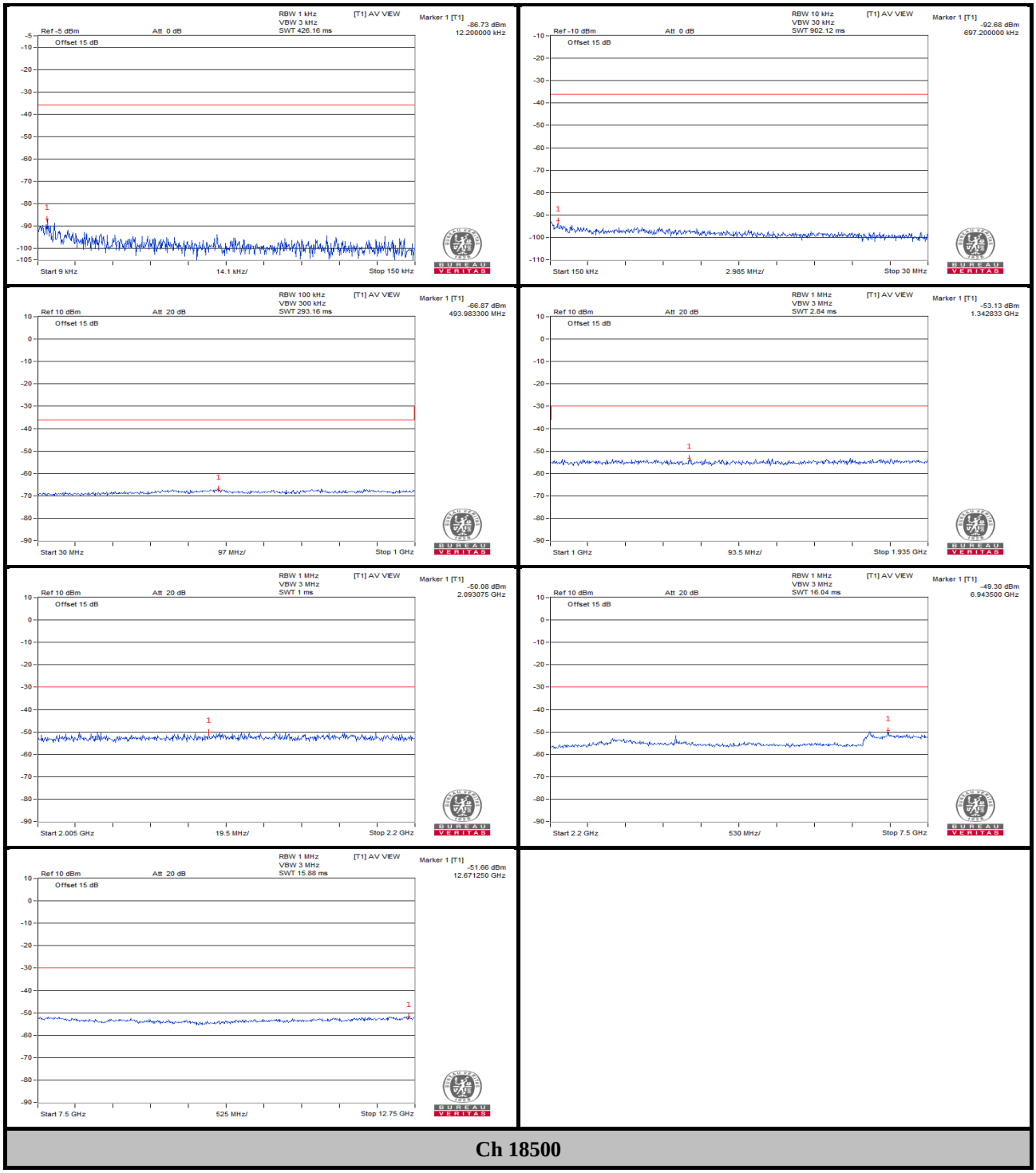
Modulation	Channel	Frequency Range (MHz)	Measurement Value	Limit	Pass / Fail
QPSK	18100	0.009MHz to 0.15MHz	-89.33	-36	PASS
		0.15MHz to 30MHz	-92.29	-36	PASS
		30MHz to 1000MHz	-66.84	-36	PASS
		1000MHz to 1895MHz	-52.96	-30	PASS
		1965MHz to 2200MHz	-49.57	-30	PASS
		2200MHz to 7500MHz	-49.84	-30	PASS
		7500MHz to 12750MHz	-51.57	-30	PASS
	18300	0.009MHz to 0.15MHz	-87.68	-36	PASS
		0.15MHz to 30MHz	-92.50	-36	PASS
		30MHz to 1000MHz	-66.74	-36	PASS
		1000MHz to 1915MHz	-53.03	-30	PASS
		1985MHz to 2200MHz	-49.80	-30	PASS
		2200MHz to 7500MHz	-49.81	-30	PASS
		7500MHz to 12750MHz	-51.79	-30	PASS
	18500	0.009MHz to 0.15MHz	-86.73	-36	PASS
		0.15MHz to 30MHz	-92.68	-36	PASS
		30MHz to 1000MHz	-66.87	-36	PASS
		1000MHz to 1935MHz	-53.13	-30	PASS
		2005MHz to 2200MHz	-50.08	-30	PASS
		2200MHz to 7500MHz	-49.30	-30	PASS
		7500MHz to 12750MHz	-51.66	-30	PASS


RBW 1 kHz
VBW 3 kHz
SWT 426.16 ms
[T1] AV VIEW
Marker 1 [T1]
-89.33 dBm
9.700000 kHz
Ref -5 dBm
Att 0 dB
Offset 15 dB
Start 9 kHz
14.1 kHz/
Stop 150 kHz
RBW 10 kHz
VBW 30 kHz
SWT 902.12 ms
[T1] AV VIEW
Marker 1 [T1]
-92.29 dBm
349.000000 kHz
Ref -10 dBm
Att 0 dB
Offset 15 dB
Start 150 kHz
2.985 MHz/
Stop 30 MHz
RBW 100 kHz
VBW 300 kHz
SWT 293.16 ms
[T1] AV VIEW
Marker 1 [T1]
-66.84 dBm
495.600000 MHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 30 MHz
97 MHz/
Stop 1 GHz
RBW 1 MHz
VBW 3 MHz
SWT 2.72 ms
[T1] AV VIEW
Marker 1 [T1]
-52.96 dBm
1.607108 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1 GHz
89.5 MHz/
Stop 1.895 GHz
RBW 1 MHz
VBW 3 MHz
SWT 1 ms
[T1] AV VIEW
Marker 1 [T1]
-49.57 dBm
2.154958 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1.965 GHz
23.5 MHz/
Stop 2.2 GHz
RBW 1 MHz
VBW 3 MHz
SWT 16.04 ms
[T1] AV VIEW
Marker 1 [T1]
-49.84 dBm
6.943500 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 2.2 GHz
530 MHz/
Stop 7.5 GHz
RBW 1 MHz
VBW 3 MHz
SWT 15.88 ms
[T1] AV VIEW
Marker 1 [T1]
-51.57 dBm
12.706250 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 7.5 GHz
525 MHz/
Stop 12.75 GHz

Ch 18100


RBW 1 kHz
VBW 3 kHz
SWT 426.16 ms
[T1] AV VIEW
Marker 1 [T1]
-87.68 dBm
13.200000 kHz
Ref -5 dBm
Att 0 dB
Offset 15 dB
Start 9 kHz
14.1 kHz/
Stop 150 kHz
RBW 10 kHz
VBW 30 kHz
SWT 902.12 ms
[T1] AV VIEW
Marker 1 [T1]
-92.50 dBm
946.000000 kHz
Ref -10 dBm
Att 0 dB
Offset 15 dB
Start 150 kHz
2.985 MHz/
Stop 30 MHz
RBW 100 kHz
VBW 300 kHz
SWT 293.16 ms
[T1] AV VIEW
Marker 1 [T1]
-66.74 dBm
731.633300 MHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 30 MHz
97 MHz/
Stop 1 GHz
RBW 1 MHz
VBW 3 MHz
SWT 2.8 ms
[T1] AV VIEW
Marker 1 [T1]
-53.03 dBm
1.716750 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1 GHz
91.5 MHz/
Stop 1.915 GHz
RBW 1 MHz
VBW 3 MHz
SWT 1 ms
[T1] AV VIEW
Marker 1 [T1]
-49.80 dBm
2.100025 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1.985 GHz
21.5 MHz/
Stop 2.2 GHz
RBW 1 MHz
VBW 3 MHz
SWT 16.04 ms
[T1] AV VIEW
Marker 1 [T1]
-49.81 dBm
6.696167 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 2.2 GHz
530 MHz/
Stop 7.5 GHz
RBW 1 MHz
VBW 3 MHz
SWT 15.88 ms
[T1] AV VIEW
Marker 1 [T1]
-51.79 dBm
7.666250 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 7.5 GHz
525 MHz/
Stop 12.75 GHz

Ch 18300

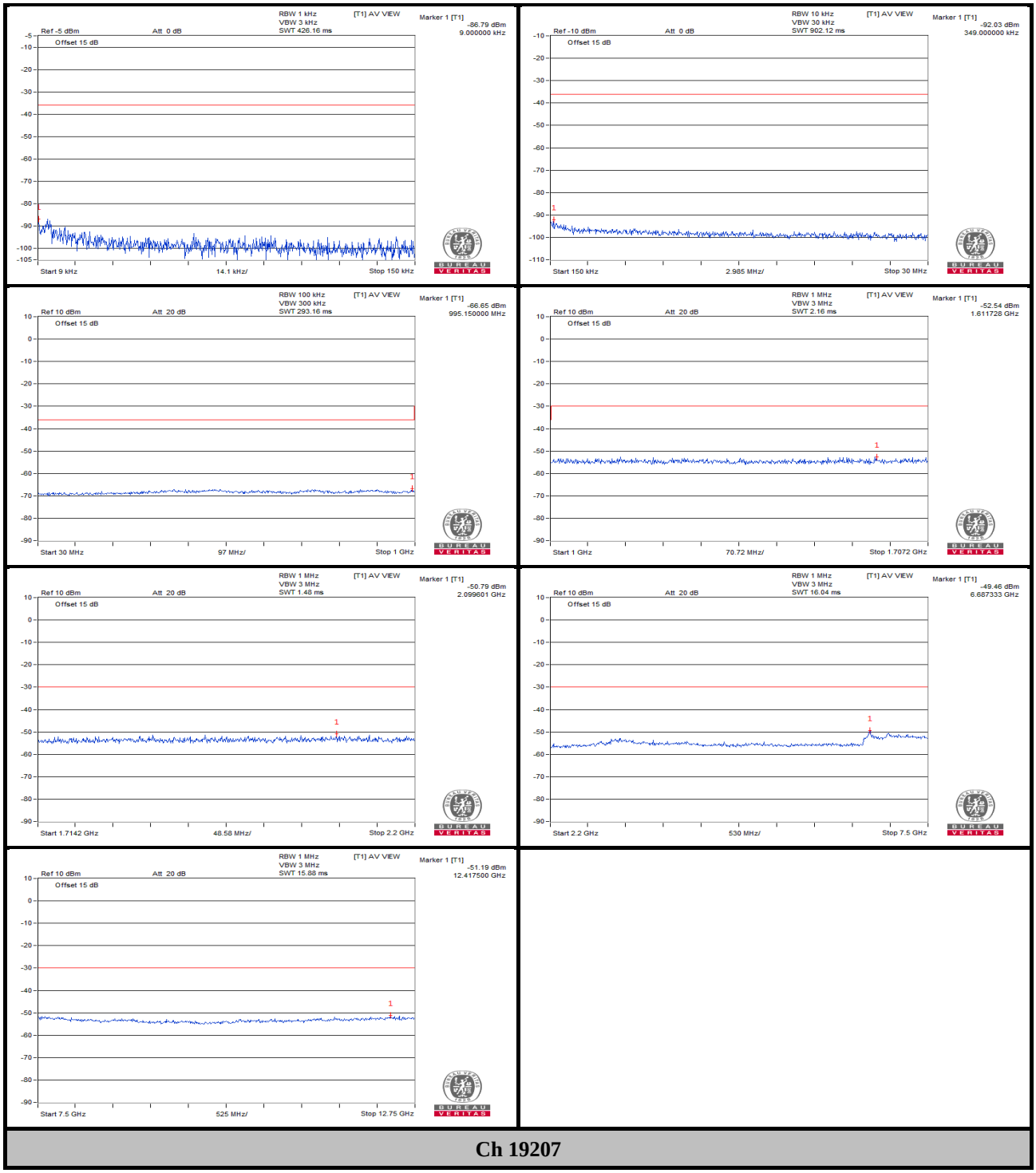

RBW 1 kHz
VBW 3 kHz
SWT 426.16 ms
[T1] AV VIEW
Marker 1 [T1]
-86.73 dBm
12.200000 kHz
Ref -5 dBm
Att 0 dB
Offset 15 dB
Start 9 kHz
14.1 kHz/
Stop 150 kHz
RBW 10 kHz
VBW 30 kHz
SWT 902.12 ms
[T1] AV VIEW
Marker 1 [T1]
-92.68 dBm
697.200000 kHz
Ref -10 dBm
Att 0 dB
Offset 15 dB
Start 150 kHz
2.985 MHz/
Stop 30 MHz
RBW 100 kHz
VBW 300 kHz
SWT 293.16 ms
[T1] AV VIEW
Marker 1 [T1]
-66.87 dBm
493.983300 MHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 30 MHz
97 MHz/
Stop 1 GHz
RBW 1 MHz
VBW 3 MHz
SWT 2.84 ms
[T1] AV VIEW
Marker 1 [T1]
-53.13 dBm
1.342833 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1 GHz
93.5 MHz/
Stop 1.935 GHz
RBW 1 MHz
VBW 3 MHz
SWT 1 ms
[T1] AV VIEW
Marker 1 [T1]
-50.08 dBm
2.093075 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 2.005 GHz
19.5 MHz/
Stop 2.2 GHz
RBW 1 MHz
VBW 3 MHz
SWT 16.04 ms
[T1] AV VIEW
Marker 1 [T1]
-49.30 dBm
6.943500 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 2.2 GHz
530 MHz/
Stop 7.5 GHz
RBW 1 MHz
VBW 3 MHz
SWT 15.88 ms
[T1] AV VIEW
Marker 1 [T1]
-51.66 dBm
12.671250 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 7.5 GHz
525 MHz/
Stop 12.75 GHz

Ch 18500

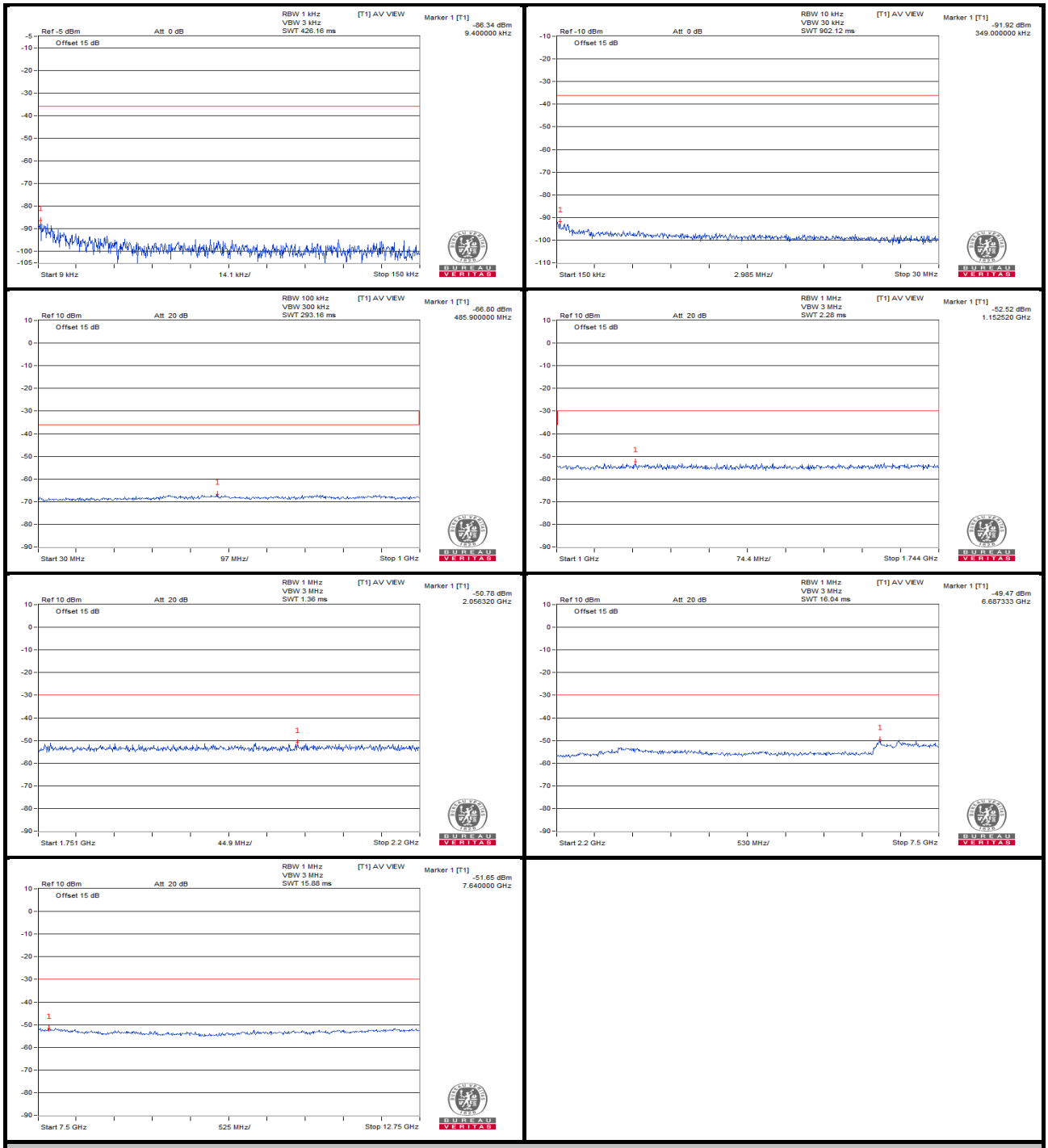
LTE Band 3

Bandwidth: 1.4 MHz / QPSK (1 RB / 0 RB Offset)

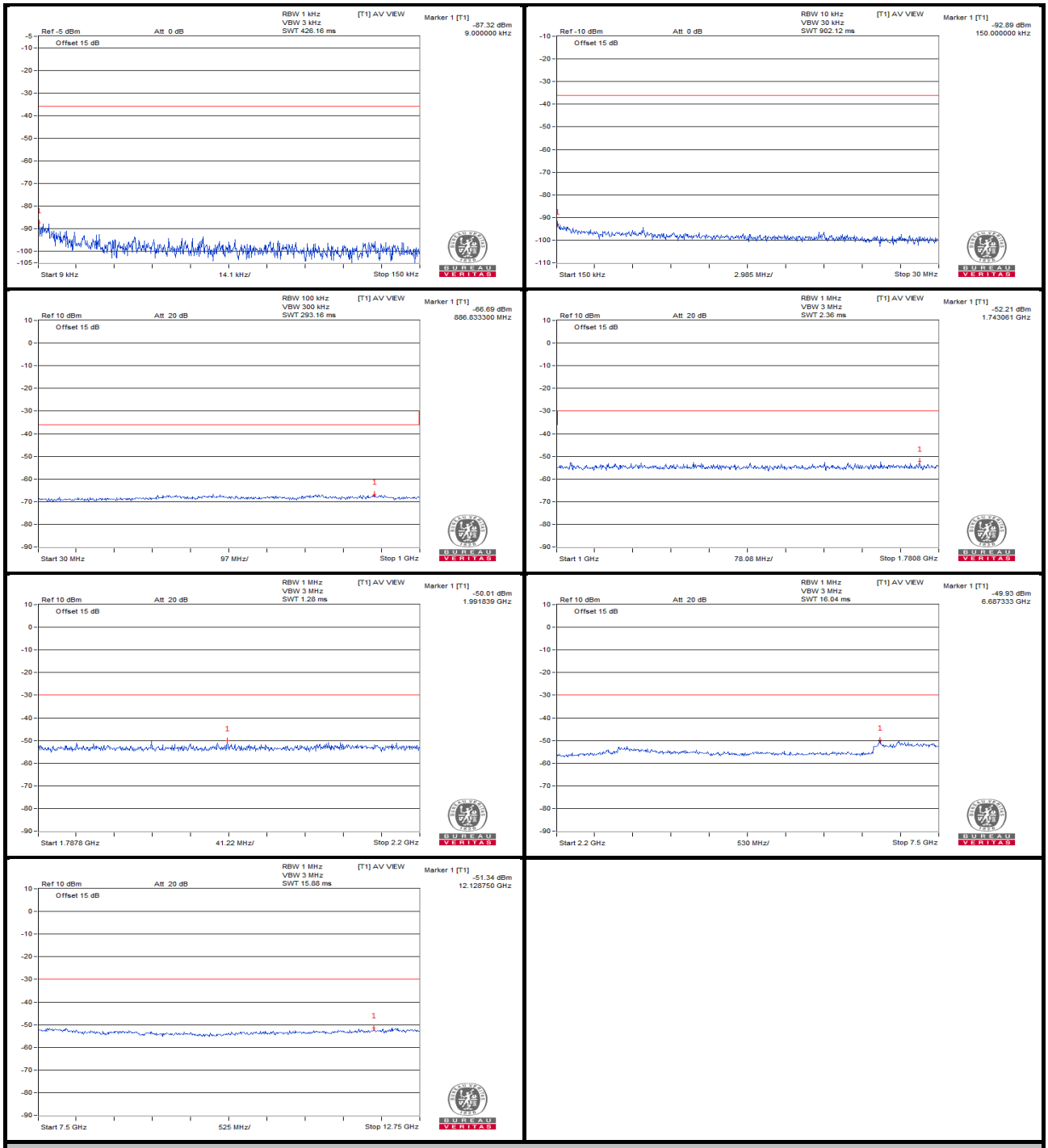
Modulation	Channel	Frequency Range (MHz)	Measurement Value	Limit	Pass / Fail
QPSK	19207	0.009MHz to 0.15MHz	-86.79	-36	PASS
		0.15MHz to 30MHz	-92.03	-36	PASS
		30MHz to 1000MHz	-66.65	-36	PASS
		1000MHz to 1707.2MHz	-52.54	-30	PASS
		1714.2MHz to 2200MHz	-50.79	-30	PASS
		2200MHz to 7500MHz	-49.46	-30	PASS
		7500MHz to 12750MHz	-51.19	-30	PASS
	19575	0.009MHz to 0.15MHz	-86.34	-36	PASS
		0.15MHz to 30MHz	-91.92	-36	PASS
		30MHz to 1000MHz	-66.80	-36	PASS
		1000MHz to 1744MHz	-52.52	-30	PASS
		1751MHz to 2200MHz	-50.78	-30	PASS
		2200MHz to 7500MHz	-49.47	-30	PASS
		7500MHz to 12750MHz	-51.65	-30	PASS
	19943	0.009MHz to 0.15MHz	-87.32	-36	PASS
		0.15MHz to 30MHz	-92.89	-36	PASS
		30MHz to 1000MHz	-66.69	-36	PASS
		1000MHz to 1780.8MHz	-52.21	-30	PASS
		1787.8MHz to 2200MHz	-50.01	-30	PASS
		2200MHz to 7500MHz	-49.93	-30	PASS
		7500MHz to 12750MHz	-51.34	-30	PASS


RBW 1 kHz
VBW 3 kHz
SWT 426.16 ms
[T1] AV VIEW
Marker 1 [T1]
-86.79 dBm
9.000000 kHz
Ref -5 dBm
Att 0 dB
Offset 15 dB
Start 9 kHz
14.1 kHz/
Stop 150 kHz
RBW 10 kHz
VBW 30 kHz
SWT 902.12 ms
[T1] AV VIEW
Marker 1 [T1]
-92.03 dBm
349.000000 kHz
Ref -10 dBm
Att 0 dB
Offset 15 dB
Start 150 kHz
2.985 MHz/
Stop 30 MHz
RBW 100 kHz
VBW 300 kHz
SWT 293.16 ms
[T1] AV VIEW
Marker 1 [T1]
-66.65 dBm
995.150000 MHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 30 MHz
97 MHz/
Stop 1 GHz
RBW 1 MHz
VBW 3 MHz
SWT 2.16 ms
[T1] AV VIEW
Marker 1 [T1]
-52.54 dBm
1.611728 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1 GHz
70.72 MHz/
Stop 1.7072 GHz
RBW 1 MHz
VBW 3 MHz
SWT 1.48 ms
[T1] AV VIEW
Marker 1 [T1]
-50.79 dBm
2.099601 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1.7142 GHz
48.58 MHz/
Stop 2.2 GHz
RBW 1 MHz
VBW 3 MHz
SWT 16.04 ms
[T1] AV VIEW
Marker 1 [T1]
-49.46 dBm
6.687333 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 2.2 GHz
530 MHz/
Stop 7.5 GHz
RBW 1 MHz
VBW 3 MHz
SWT 15.88 ms
[T1] AV VIEW
Marker 1 [T1]
-51.19 dBm
12.417500 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 7.5 GHz
525 MHz/
Stop 12.75 GHz

Ch 19207


RBW 1 kHz
VBW 3 kHz
SWT 426.16 ms
[T1] AV VIEW
Marker 1 [T1]
-86.34 dBm
9.400000 kHz
Ref -5 dBm
Att 0 dB
Offset 15 dB
Start 9 kHz
14.1 kHz/
Stop 150 kHz
RBW 10 kHz
VBW 30 kHz
SWT 902.12 ms
[T1] AV VIEW
Marker 1 [T1]
-91.92 dBm
349.000000 kHz
Ref -10 dBm
Att 0 dB
Offset 15 dB
Start 150 kHz
2.985 MHz/
Stop 30 MHz
RBW 100 kHz
VBW 300 kHz
SWT 293.16 ms
[T1] AV VIEW
Marker 1 [T1]
-66.80 dBm
485.900000 MHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 30 MHz
97 MHz/
Stop 1 GHz
RBW 1 MHz
VBW 3 MHz
SWT 2.28 ms
[T1] AV VIEW
Marker 1 [T1]
-52.52 dBm
1.152520 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1 GHz
74.4 MHz/
Stop 1.744 GHz
RBW 1 MHz
VBW 3 MHz
SWT 1.36 ms
[T1] AV VIEW
Marker 1 [T1]
-50.78 dBm
2.056320 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1.751 GHz
44.9 MHz/
Stop 2.2 GHz
RBW 1 MHz
VBW 3 MHz
SWT 16.04 ms
[T1] AV VIEW
Marker 1 [T1]
-49.47 dBm
6.687333 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 2.2 GHz
530 MHz/
Stop 7.5 GHz
RBW 1 MHz
VBW 3 MHz
SWT 15.88 ms
[T1] AV VIEW
Marker 1 [T1]
-51.65 dBm
7.640000 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 7.5 GHz
525 MHz/
Stop 12.75 GHz

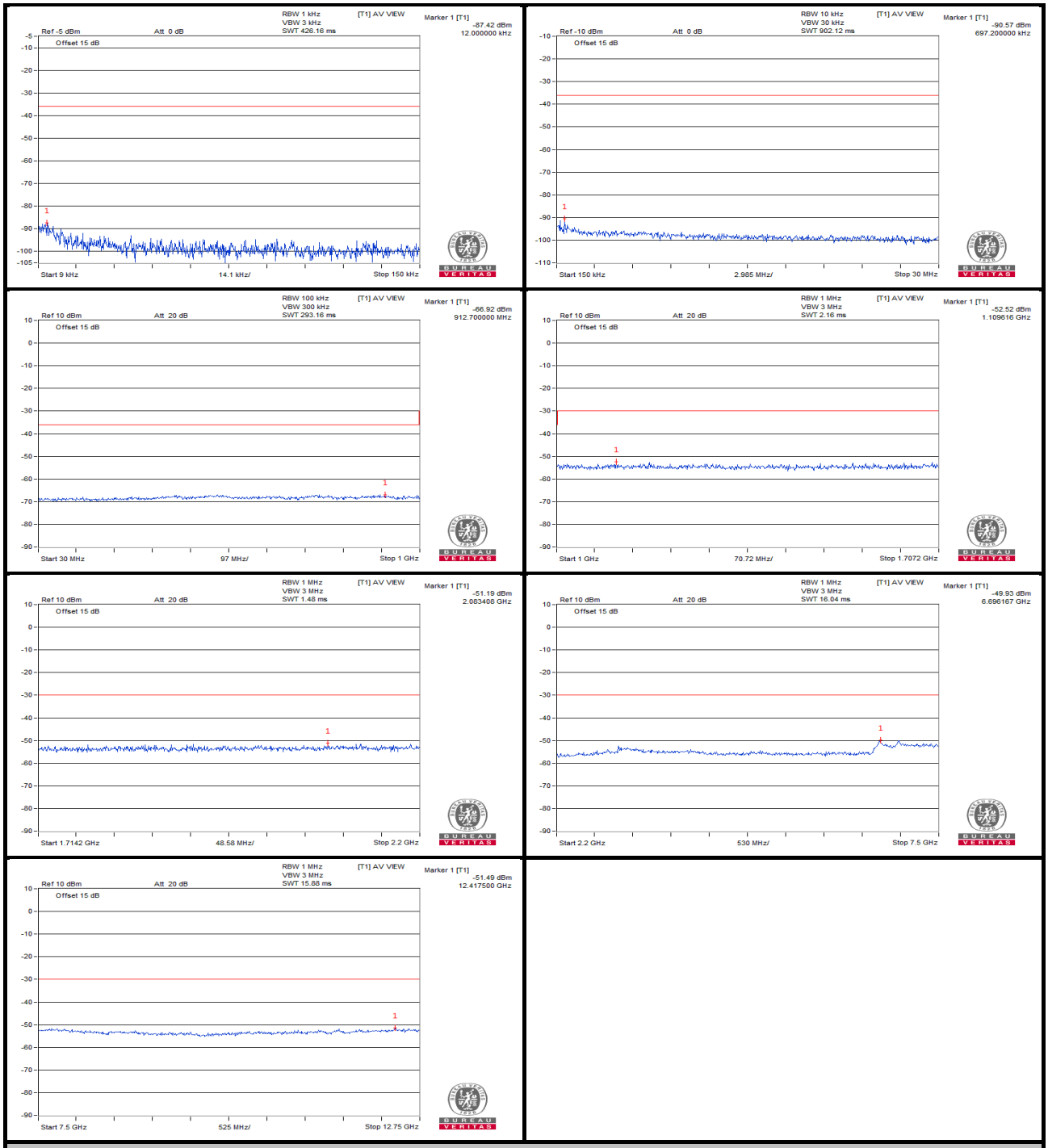
Ch 19575


RBW 1 kHz
VBW 3 kHz
SWT 426.16 ms
[T1] AV VIEW
Marker 1 [T1]
-87.32 dBm
9.000000 kHz
Ref -5 dBm
Att 0 dB
Offset 15 dB
Start 9 kHz
14.1 kHz/
Stop 150 kHz
RBW 10 kHz
VBW 30 kHz
SWT 902.12 ms
[T1] AV VIEW
Marker 1 [T1]
-92.89 dBm
150.000000 kHz
Ref -10 dBm
Att 0 dB
Offset 15 dB
Start 150 kHz
2.985 MHz/
Stop 30 MHz
RBW 100 kHz
VBW 300 kHz
SWT 293.16 ms
[T1] AV VIEW
Marker 1 [T1]
-66.69 dBm
886.833300 MHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 30 MHz
97 MHz/
Stop 1 GHz
RBW 1 MHz
VBW 3 MHz
SWT 2.36 ms
[T1] AV VIEW
Marker 1 [T1]
-52.21 dBm
1.743061 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1 GHz
78.08 MHz/
Stop 1.7808 GHz
RBW 1 MHz
VBW 3 MHz
SWT 1.28 ms
[T1] AV VIEW
Marker 1 [T1]
-50.01 dBm
1.991839 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1.7878 GHz
41.22 MHz/
Stop 2.2 GHz
RBW 1 MHz
VBW 3 MHz
SWT 16.04 ms
[T1] AV VIEW
Marker 1 [T1]
-49.93 dBm
6.687333 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 2.2 GHz
530 MHz/
Stop 7.5 GHz
RBW 1 MHz
VBW 3 MHz
SWT 15.88 ms
[T1] AV VIEW
Marker 1 [T1]
-51.34 dBm
12.128750 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 7.5 GHz
525 MHz/
Stop 12.75 GHz

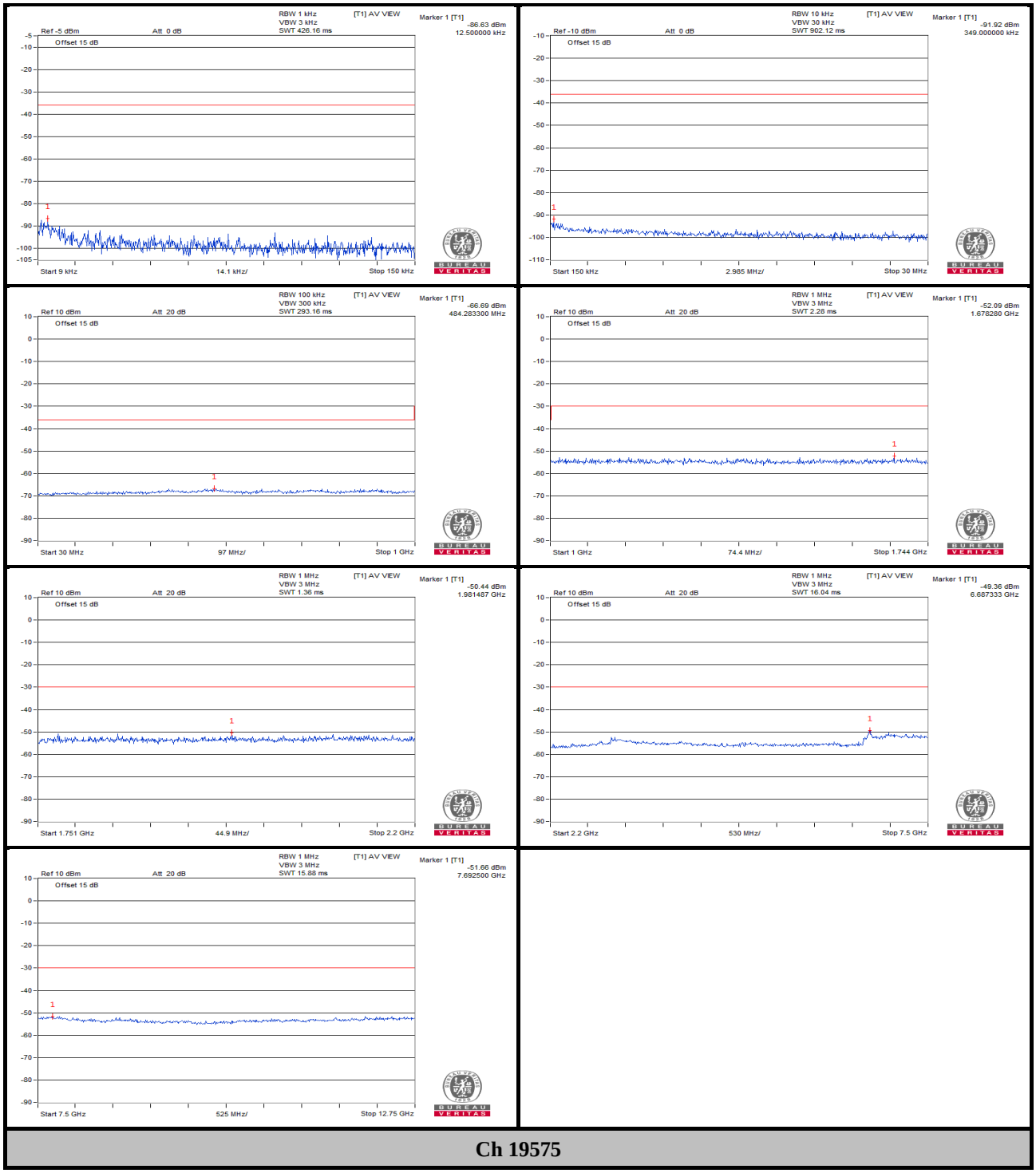
Ch 19943

Bandwidth: 1.4 MHz / QPSK (6 RB / 0 RB Offset)

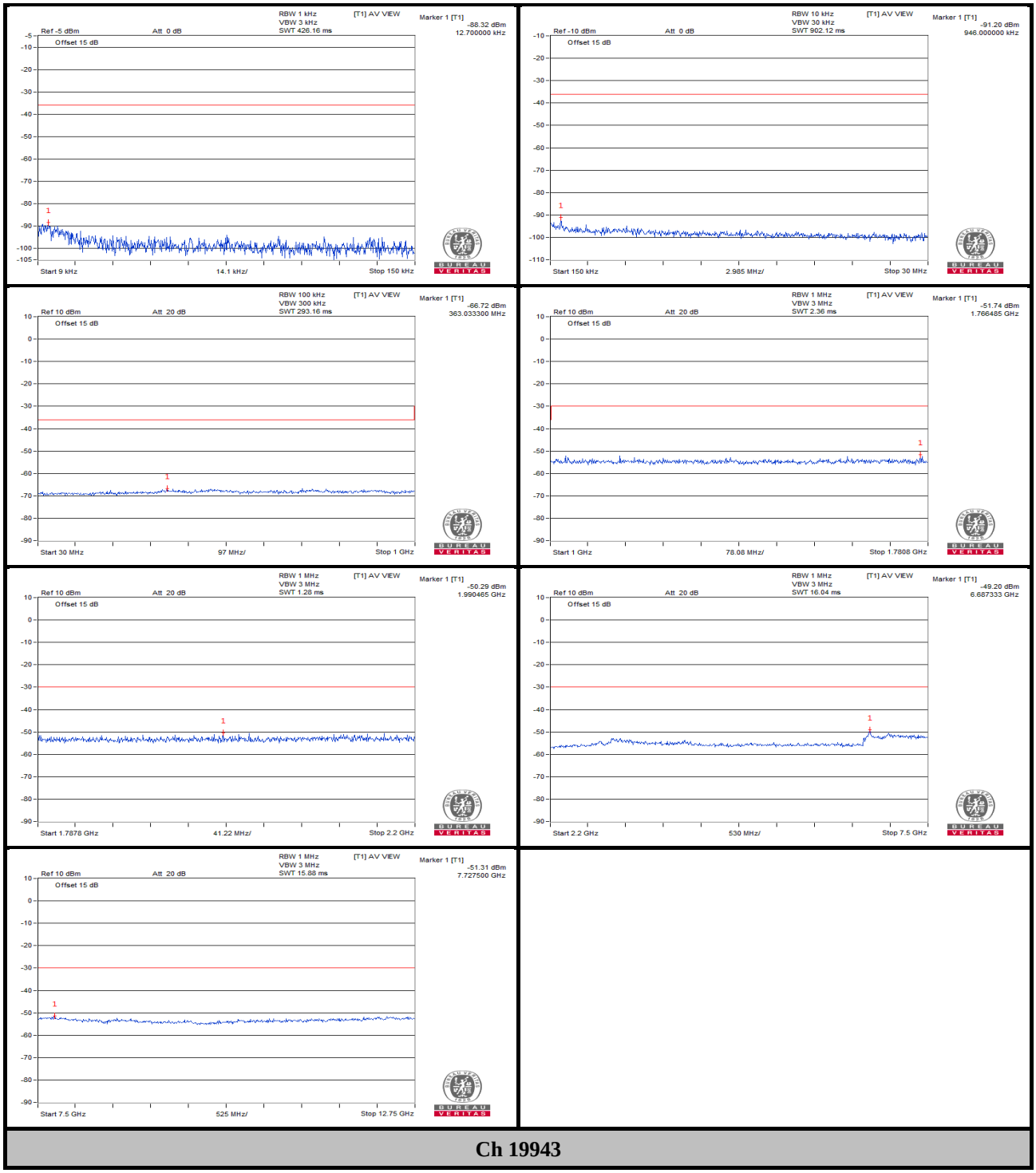
Modulation	Channel	Frequency Range (MHz)	Measurement Value	Limit	Pass / Fail
QPSK	19207	0.009MHz to 0.15MHz	-87.42	-36	PASS
		0.15MHz to 30MHz	-90.57	-36	PASS
		30MHz to 1000MHz	-66.92	-36	PASS
		1000MHz to 1707.2MHz	-52.52	-30	PASS
		1714.2MHz to 2200MHz	-51.19	-30	PASS
		2200MHz to 7500MHz	-49.93	-30	PASS
		7500MHz to 12750MHz	-51.49	-30	PASS
	19575	0.009MHz to 0.15MHz	-86.63	-36	PASS
		0.15MHz to 30MHz	-91.92	-36	PASS
		30MHz to 1000MHz	-66.69	-36	PASS
		1000MHz to 1744MHz	-52.09	-30	PASS
		1751MHz to 2200MHz	-50.44	-30	PASS
		2200MHz to 7500MHz	-49.36	-30	PASS
		7500MHz to 12750MHz	-51.66	-30	PASS
	19943	0.009MHz to 0.15MHz	-88.32	-36	PASS
		0.15MHz to 30MHz	-91.20	-36	PASS
		30MHz to 1000MHz	-66.72	-36	PASS
		1000MHz to 1780.8MHz	-51.74	-30	PASS
		1787.8MHz to 2200MHz	-50.29	-30	PASS
		2200MHz to 7500MHz	-49.20	-30	PASS
		7500MHz to 12750MHz	-51.31	-30	PASS


RBW 1 kHz
VBW 3 kHz
SWT 426.16 ms
[T1] AV VIEW
Marker 1 [T1]
-87.42 dBm
12.000000 kHz
Ref -5 dBm
Att 0 dB
Offset 15 dB
Start 9 kHz
14.1 kHz/
Stop 150 kHz
RBW 10 kHz
VBW 30 kHz
SWT 902.12 ms
[T1] AV VIEW
Marker 1 [T1]
-90.57 dBm
697.200000 kHz
Ref -10 dBm
Att 0 dB
Offset 15 dB
Start 150 kHz
2.985 MHz/
Stop 30 MHz
RBW 100 kHz
VBW 300 kHz
SWT 293.16 ms
[T1] AV VIEW
Marker 1 [T1]
-66.92 dBm
912.700000 MHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 30 MHz
97 MHz/
Stop 1 GHz
RBW 1 MHz
VBW 3 MHz
SWT 2.16 ms
[T1] AV VIEW
Marker 1 [T1]
-52.52 dBm
1.109616 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1 GHz
70.72 MHz/
Stop 1.7072 GHz
RBW 1 MHz
VBW 3 MHz
SWT 1.48 ms
[T1] AV VIEW
Marker 1 [T1]
-51.19 dBm
2.083408 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1.7142 GHz
48.58 MHz/
Stop 2.2 GHz
RBW 1 MHz
VBW 3 MHz
SWT 16.04 ms
[T1] AV VIEW
Marker 1 [T1]
-49.93 dBm
6.696167 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 2.2 GHz
530 MHz/
Stop 7.5 GHz
RBW 1 MHz
VBW 3 MHz
SWT 15.88 ms
[T1] AV VIEW
Marker 1 [T1]
-51.49 dBm
12.417500 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 7.5 GHz
525 MHz/
Stop 12.75 GHz

Ch 19207


RBW 1 kHz
VBW 3 kHz
SWT 426.16 ms
[T1] AV VIEW
Marker 1 [T1]
-86.63 dBm
12.500000 kHz
Ref -5 dBm
Att 0 dB
Offset 15 dB
Start 9 kHz
14.1 kHz/
Stop 150 kHz
RBW 10 kHz
VBW 30 kHz
SWT 902.12 ms
[T1] AV VIEW
Marker 1 [T1]
-91.92 dBm
349.000000 kHz
Ref -10 dBm
Att 0 dB
Offset 15 dB
Start 150 kHz
2.985 MHz/
Stop 30 MHz
RBW 100 kHz
VBW 300 kHz
SWT 293.16 ms
[T1] AV VIEW
Marker 1 [T1]
-66.69 dBm
484.283300 MHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 30 MHz
97 MHz/
Stop 1 GHz
RBW 1 MHz
VBW 3 MHz
SWT 2.28 ms
[T1] AV VIEW
Marker 1 [T1]
-52.09 dBm
1.678280 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1 GHz
74.4 MHz/
Stop 1.744 GHz
RBW 1 MHz
VBW 3 MHz
SWT 1.36 ms
[T1] AV VIEW
Marker 1 [T1]
-50.44 dBm
1.961467 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1.751 GHz
44.9 MHz/
Stop 2.2 GHz
RBW 1 MHz
VBW 3 MHz
SWT 16.04 ms
[T1] AV VIEW
Marker 1 [T1]
-49.36 dBm
6.687333 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 2.2 GHz
530 MHz/
Stop 7.5 GHz
RBW 1 MHz
VBW 3 MHz
SWT 15.88 ms
[T1] AV VIEW
Marker 1 [T1]
-51.66 dBm
7.692500 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 7.5 GHz
525 MHz/
Stop 12.75 GHz

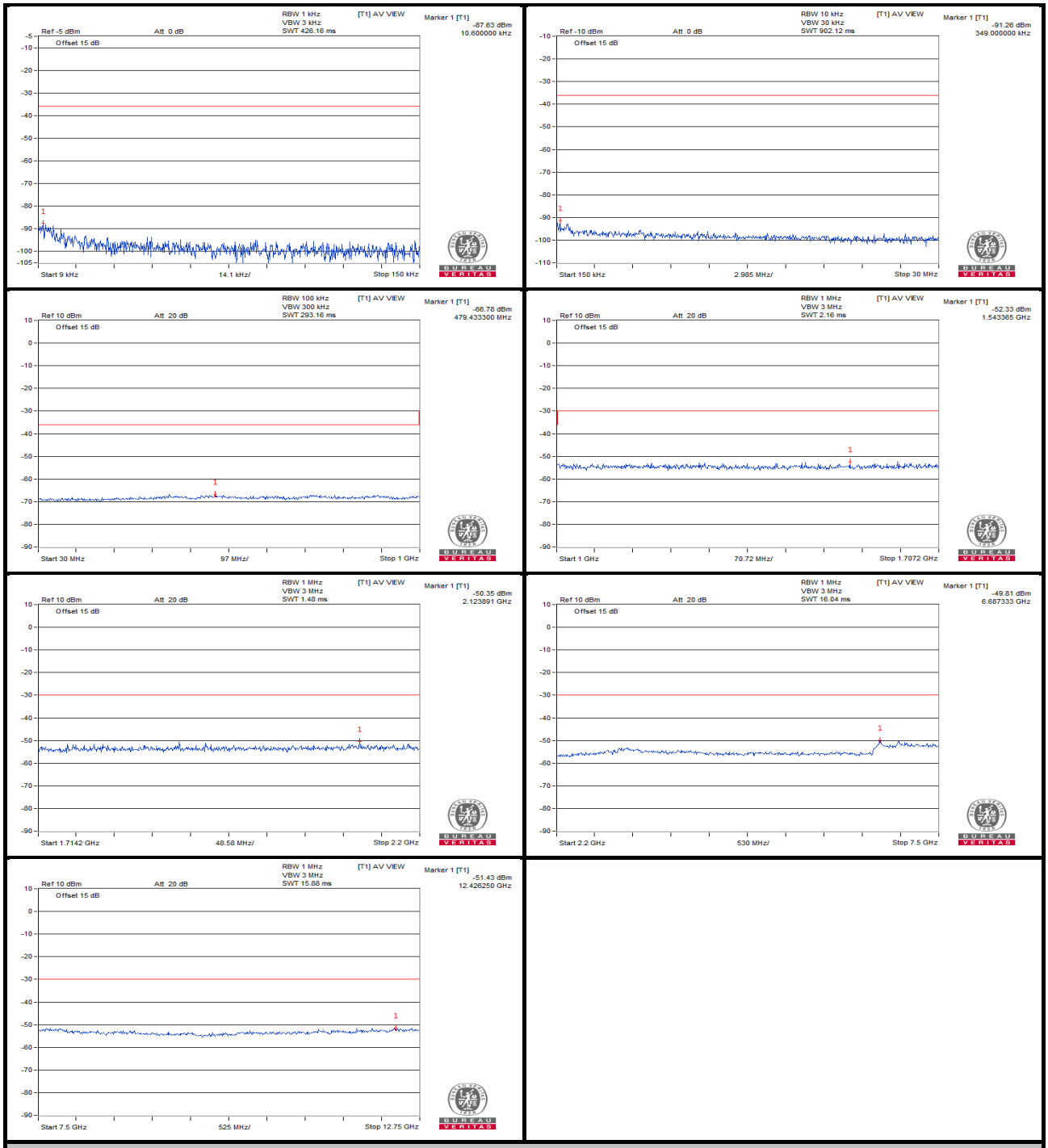
Ch 19575


RBW 1 kHz
VBW 3 kHz
SWT 426.16 ms
[T1] AV VIEW
Marker 1 [T1]
-88.32 dBm
12.700000 kHz
Ref -5 dBm
Att 0 dB
Offset 15 dB
Start 9 kHz
14.1 kHz/
Stop 150 kHz
RBW 10 kHz
VBW 30 kHz
SWT 902.12 ms
[T1] AV VIEW
Marker 1 [T1]
-91.20 dBm
946.000000 kHz
Ref -10 dBm
Att 0 dB
Offset 15 dB
Start 150 kHz
2.985 MHz/
Stop 30 MHz
RBW 100 kHz
VBW 300 kHz
SWT 293.16 ms
[T1] AV VIEW
Marker 1 [T1]
-66.72 dBm
363.033300 MHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 30 MHz
97 MHz/
Stop 1 GHz
RBW 1 MHz
VBW 3 MHz
SWT 2.36 ms
[T1] AV VIEW
Marker 1 [T1]
-51.74 dBm
1.766485 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1 GHz
78.08 MHz/
Stop 1.7808 GHz
RBW 1 MHz
VBW 3 MHz
SWT 1.28 ms
[T1] AV VIEW
Marker 1 [T1]
-50.29 dBm
1.990465 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1.7878 GHz
41.22 MHz/
Stop 2.2 GHz
RBW 1 MHz
VBW 3 MHz
SWT 16.04 ms
[T1] AV VIEW
Marker 1 [T1]
-49.20 dBm
6.687333 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 2.2 GHz
530 MHz/
Stop 7.5 GHz
RBW 1 MHz
VBW 3 MHz
SWT 15.88 ms
[T1] AV VIEW
Marker 1 [T1]
-51.31 dBm
7.727500 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 7.5 GHz
525 MHz/
Stop 12.75 GHz

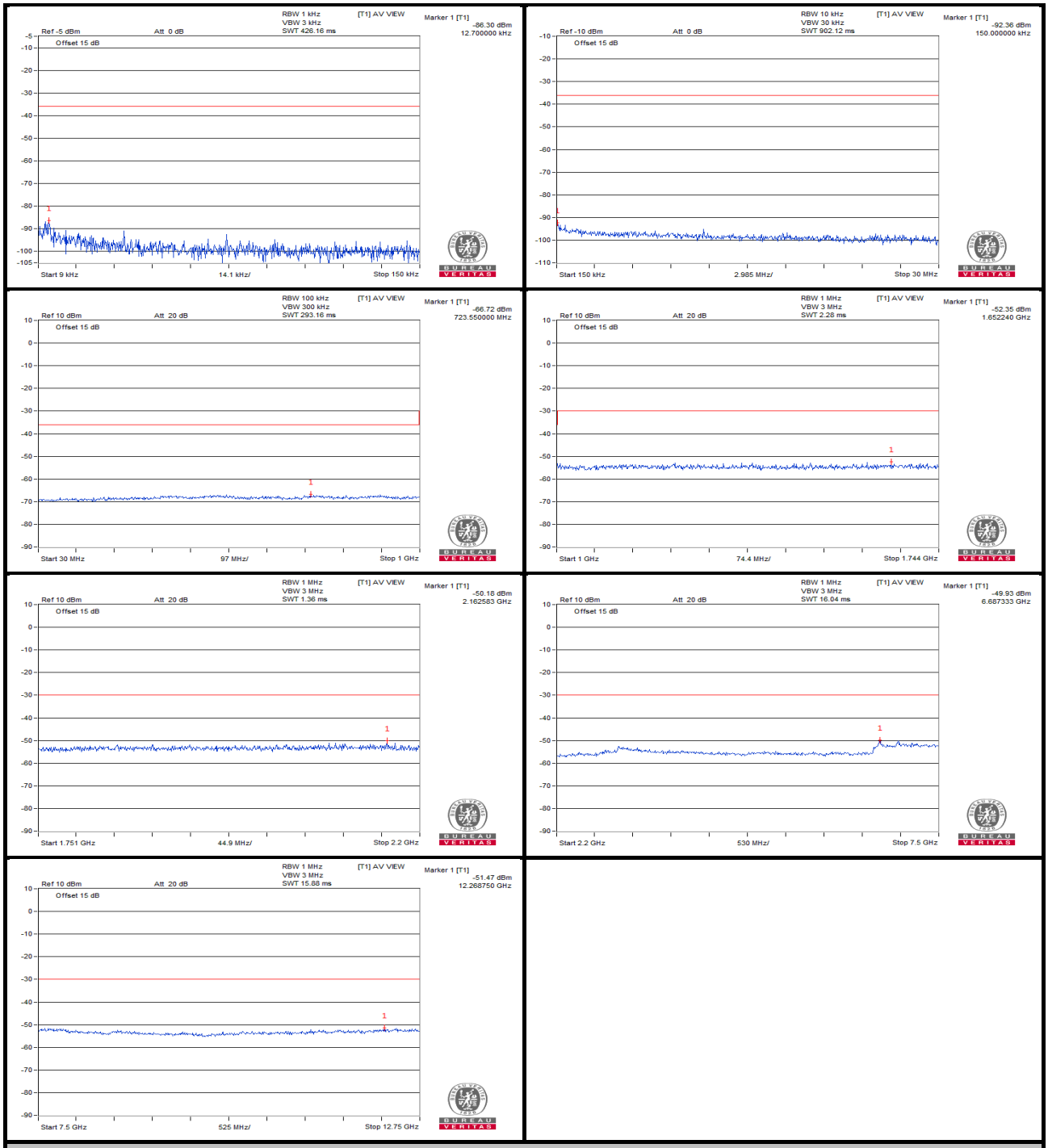
Ch 19943

Bandwidth: 1.4 MHz / QPSK (1 RB / 5 RB Offset)

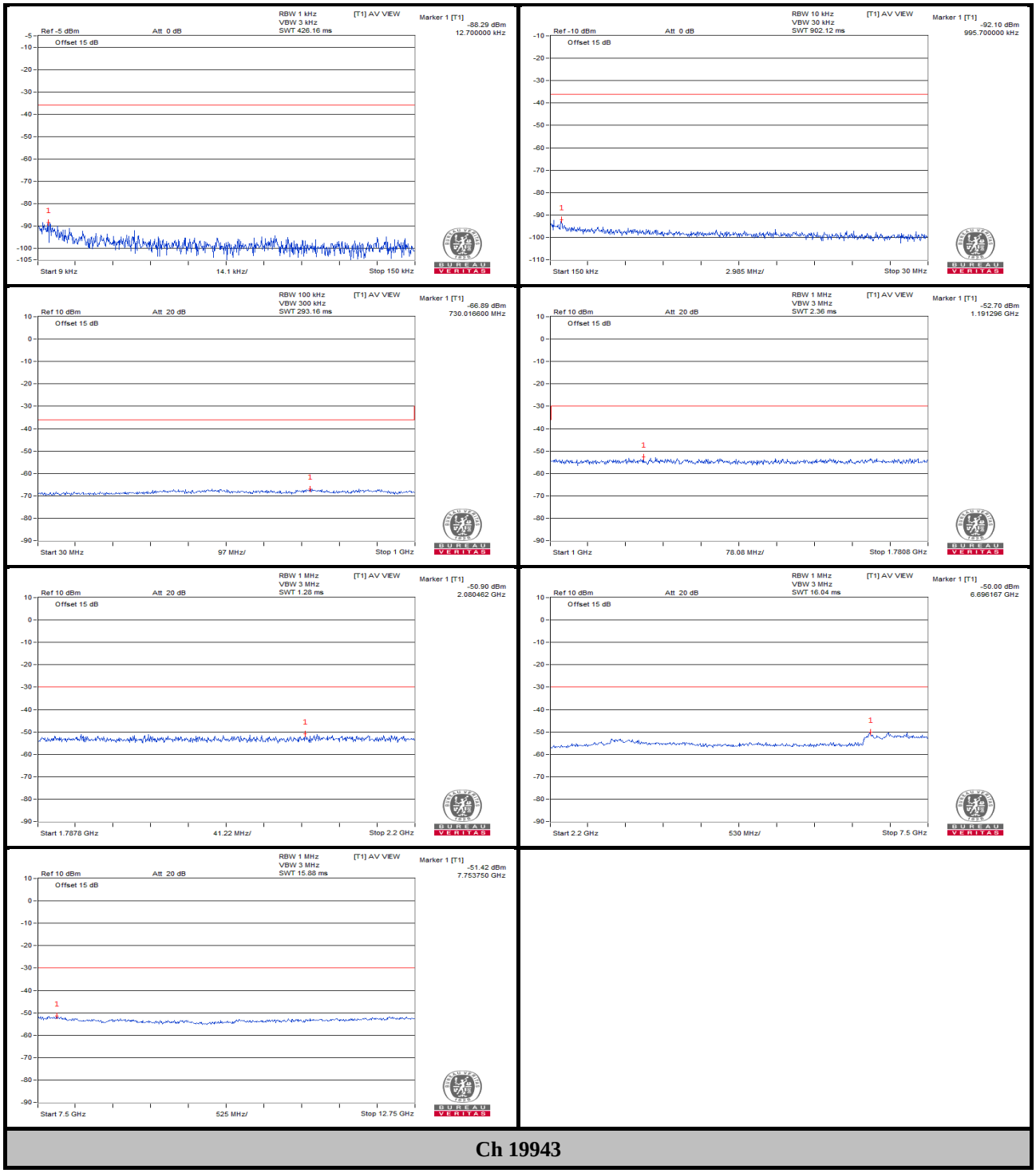
Modulation	Channel	Frequency Range (MHz)	Measurement Value	Limit	Pass / Fail
QPSK	19207	0.009MHz to 0.15MHz	-87.63	-36	PASS
		0.15MHz to 30MHz	-91.26	-36	PASS
		30MHz to 1000MHz	-66.78	-36	PASS
		1000MHz to 1707.2MHz	-52.33	-30	PASS
		1714.2MHz to 2200MHz	-50.35	-30	PASS
		2200MHz to 7500MHz	-49.81	-30	PASS
		7500MHz to 12750MHz	-51.43	-30	PASS
	19575	0.009MHz to 0.15MHz	-86.30	-36	PASS
		0.15MHz to 30MHz	-92.36	-36	PASS
		30MHz to 1000MHz	-66.72	-36	PASS
		1000MHz to 1744MHz	-52.35	-30	PASS
		1751MHz to 2200MHz	-50.18	-30	PASS
		2200MHz to 7500MHz	-49.93	-30	PASS
		7500MHz to 12750MHz	-51.47	-30	PASS
	19943	0.009MHz to 0.15MHz	-88.29	-36	PASS
		0.15MHz to 30MHz	-92.10	-36	PASS
		30MHz to 1000MHz	-66.89	-36	PASS
		1000MHz to 1780.8MHz	-52.70	-30	PASS
		1787.8MHz to 2200MHz	-50.90	-30	PASS
		2200MHz to 7500MHz	-50.00	-30	PASS
		7500MHz to 12750MHz	-51.42	-30	PASS


RBW 1 kHz
VBW 3 kHz
SWT 426.16 ms
[T1] AV VIEW
Marker 1 [T1]
-87.63 dBm
10.600000 kHz
Ref -5 dBm
Att 0 dB
Offset 15 dB
Start 9 kHz
14.1 kHz/
Stop 150 kHz
RBW 10 kHz
VBW 30 kHz
SWT 902.12 ms
[T1] AV VIEW
Marker 1 [T1]
-91.26 dBm
349.000000 kHz
Ref -10 dBm
Att 0 dB
Offset 15 dB
Start 150 kHz
2.985 MHz/
Stop 30 MHz
RBW 100 kHz
VBW 300 kHz
SWT 293.16 ms
[T1] AV VIEW
Marker 1 [T1]
-66.78 dBm
479.433300 MHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 30 MHz
97 MHz/
Stop 1 GHz
RBW 1 MHz
VBW 3 MHz
SWT 2.16 ms
[T1] AV VIEW
Marker 1 [T1]
-52.33 dBm
1.543365 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1 GHz
70.72 MHz/
Stop 1.7072 GHz
RBW 1 MHz
VBW 3 MHz
SWT 1.48 ms
[T1] AV VIEW
Marker 1 [T1]
-50.35 dBm
2.123891 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1.7142 GHz
48.58 MHz/
Stop 2.2 GHz
RBW 1 MHz
VBW 3 MHz
SWT 16.04 ms
[T1] AV VIEW
Marker 1 [T1]
-49.81 dBm
6.687333 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 2.2 GHz
530 MHz/
Stop 7.5 GHz
RBW 1 MHz
VBW 3 MHz
SWT 15.88 ms
[T1] AV VIEW
Marker 1 [T1]
-51.43 dBm
12.426250 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 7.5 GHz
525 MHz/
Stop 12.75 GHz

Ch 19207


RBW 1 kHz
VBW 3 kHz
SWT 426.16 ms
[T1] AV VIEW
Marker 1 [T1]
-86.30 dBm
12.700000 kHz
Ref -5 dBm
Att 0 dB
Offset 15 dB
Start 9 kHz
14.1 kHz/
Stop 150 kHz
RBW 10 kHz
VBW 30 kHz
SWT 902.12 ms
[T1] AV VIEW
Marker 1 [T1]
-92.36 dBm
150.000000 kHz
Ref -10 dBm
Att 0 dB
Offset 15 dB
Start 150 kHz
2.985 MHz/
Stop 30 MHz
RBW 100 kHz
VBW 300 kHz
SWT 293.16 ms
[T1] AV VIEW
Marker 1 [T1]
-66.72 dBm
723.550000 MHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 30 MHz
97 MHz/
Stop 1 GHz
RBW 1 MHz
VBW 3 MHz
SWT 2.28 ms
[T1] AV VIEW
Marker 1 [T1]
-52.35 dBm
1.652240 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1 GHz
74.4 MHz/
Stop 1.744 GHz
RBW 1 MHz
VBW 3 MHz
SWT 1.36 ms
[T1] AV VIEW
Marker 1 [T1]
-50.18 dBm
2.162583 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1.751 GHz
44.9 MHz/
Stop 2.2 GHz
RBW 1 MHz
VBW 3 MHz
SWT 16.04 ms
[T1] AV VIEW
Marker 1 [T1]
-49.93 dBm
6.687333 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 2.2 GHz
530 MHz/
Stop 7.5 GHz
RBW 1 MHz
VBW 3 MHz
SWT 15.88 ms
[T1] AV VIEW
Marker 1 [T1]
-51.47 dBm
12.268750 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 7.5 GHz
525 MHz/
Stop 12.75 GHz

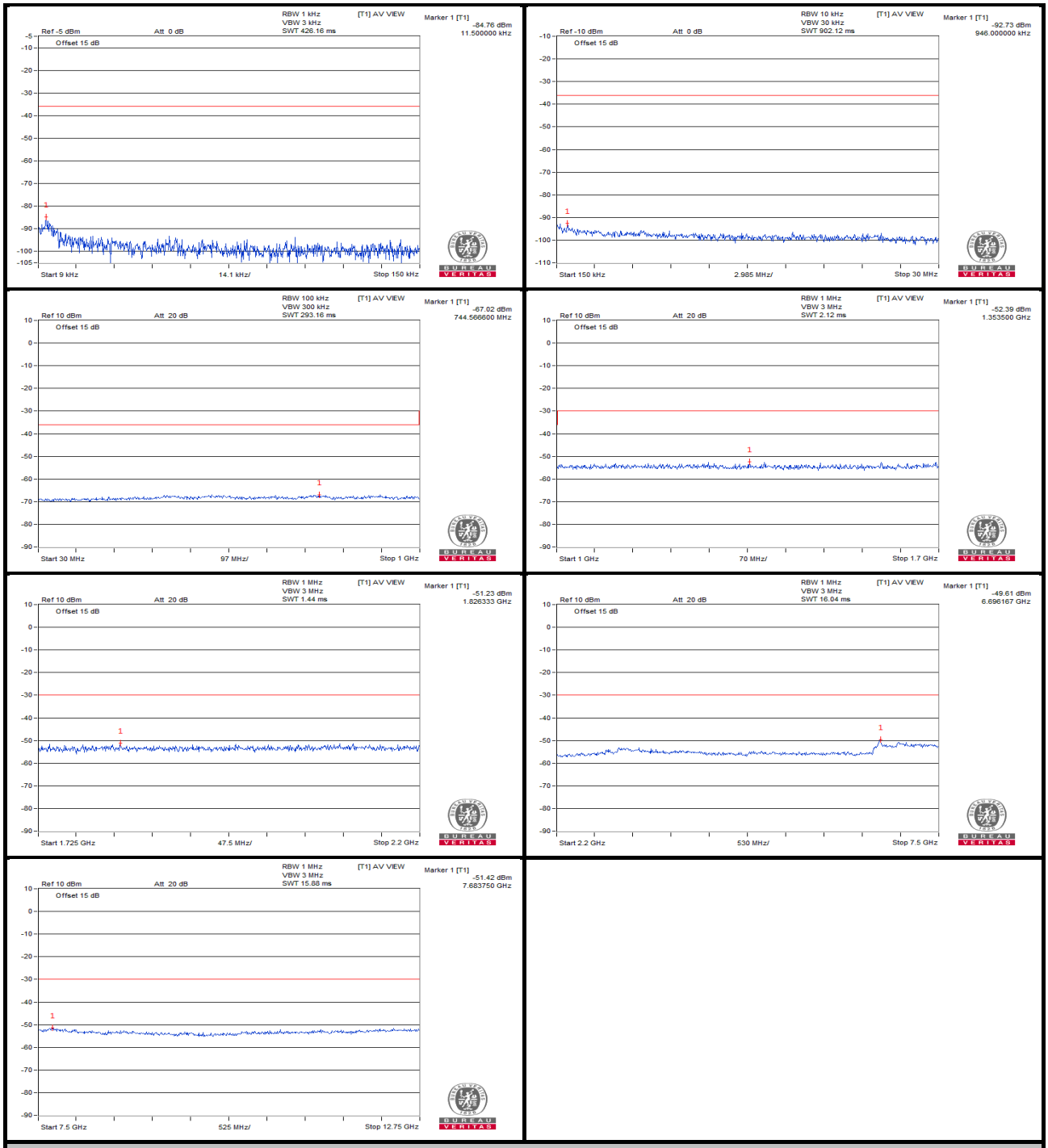
Ch 19575


RBW 1 kHz
VBW 3 kHz
SWT 426.16 ms
[T1] AV VIEW
Marker 1 [T1]
-88.29 dBm
12.700000 kHz
Ref -5 dBm
Att 0 dB
Offset 15 dB
Start 9 kHz
14.1 kHz/
Stop 150 kHz
RBW 10 kHz
VBW 30 kHz
SWT 902.12 ms
[T1] AV VIEW
Marker 1 [T1]
-92.10 dBm
995.700000 kHz
Ref -10 dBm
Att 0 dB
Offset 15 dB
Start 150 kHz
2.985 MHz/
Stop 30 MHz
RBW 100 kHz
VBW 300 kHz
SWT 293.16 ms
[T1] AV VIEW
Marker 1 [T1]
-66.89 dBm
730.016600 MHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 30 MHz
97 MHz/
Stop 1 GHz
RBW 1 MHz
VBW 3 MHz
SWT 2.36 ms
[T1] AV VIEW
Marker 1 [T1]
-52.70 dBm
1.191296 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1 GHz
78.08 MHz/
Stop 1.7808 GHz
RBW 1 MHz
VBW 3 MHz
SWT 1.28 ms
[T1] AV VIEW
Marker 1 [T1]
-50.90 dBm
2.080462 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1.7878 GHz
41.22 MHz/
Stop 2.2 GHz
RBW 1 MHz
VBW 3 MHz
SWT 16.04 ms
[T1] AV VIEW
Marker 1 [T1]
-50.00 dBm
6.696167 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 2.2 GHz
530 MHz/
Stop 7.5 GHz
RBW 1 MHz
VBW 3 MHz
SWT 15.88 ms
[T1] AV VIEW
Marker 1 [T1]
-51.42 dBm
7.753750 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 7.5 GHz
525 MHz/
Stop 12.75 GHz

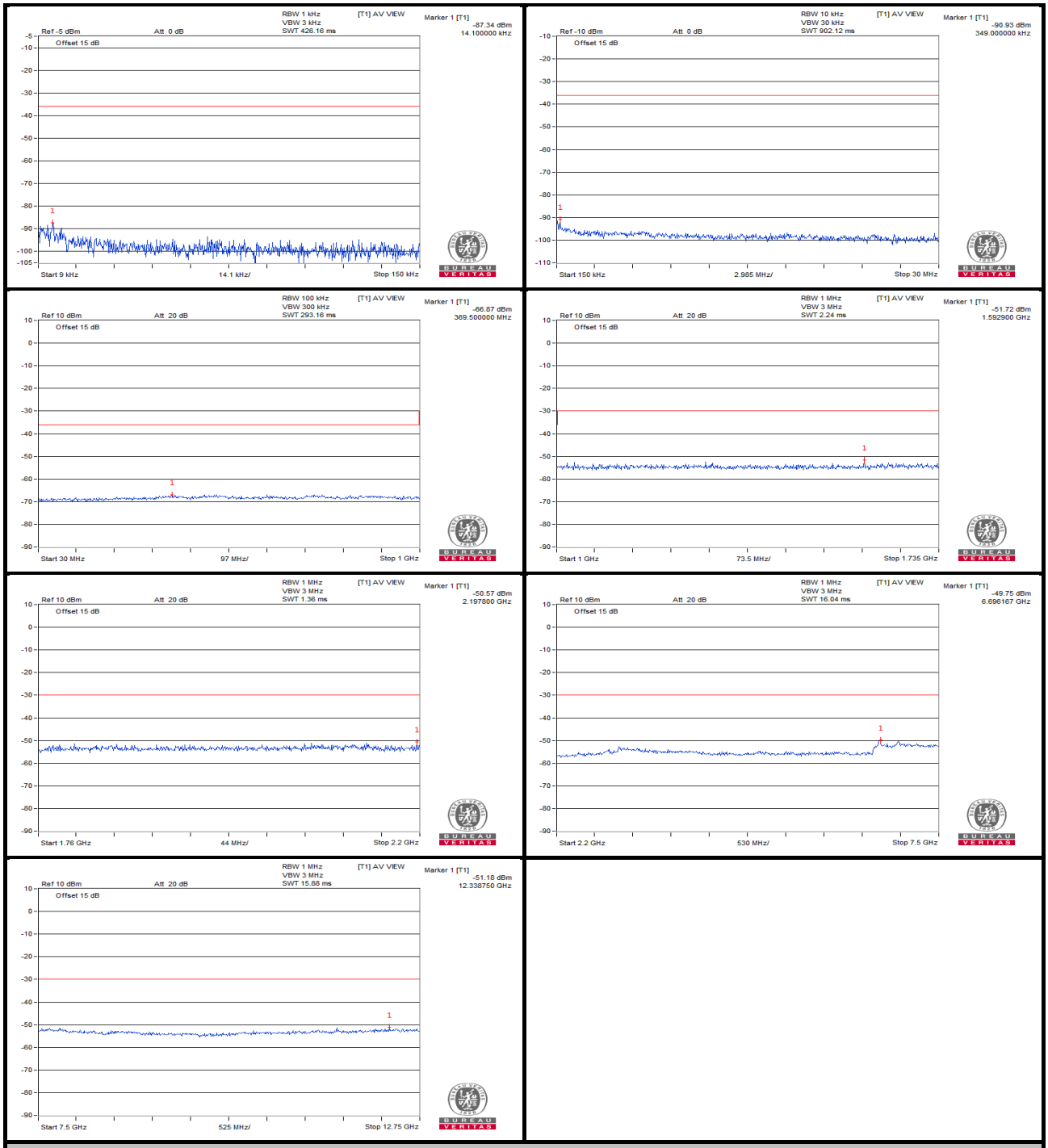
Ch 19943

Bandwidth: 5 MHz / QPSK (1 RB / 0 RB Offset)

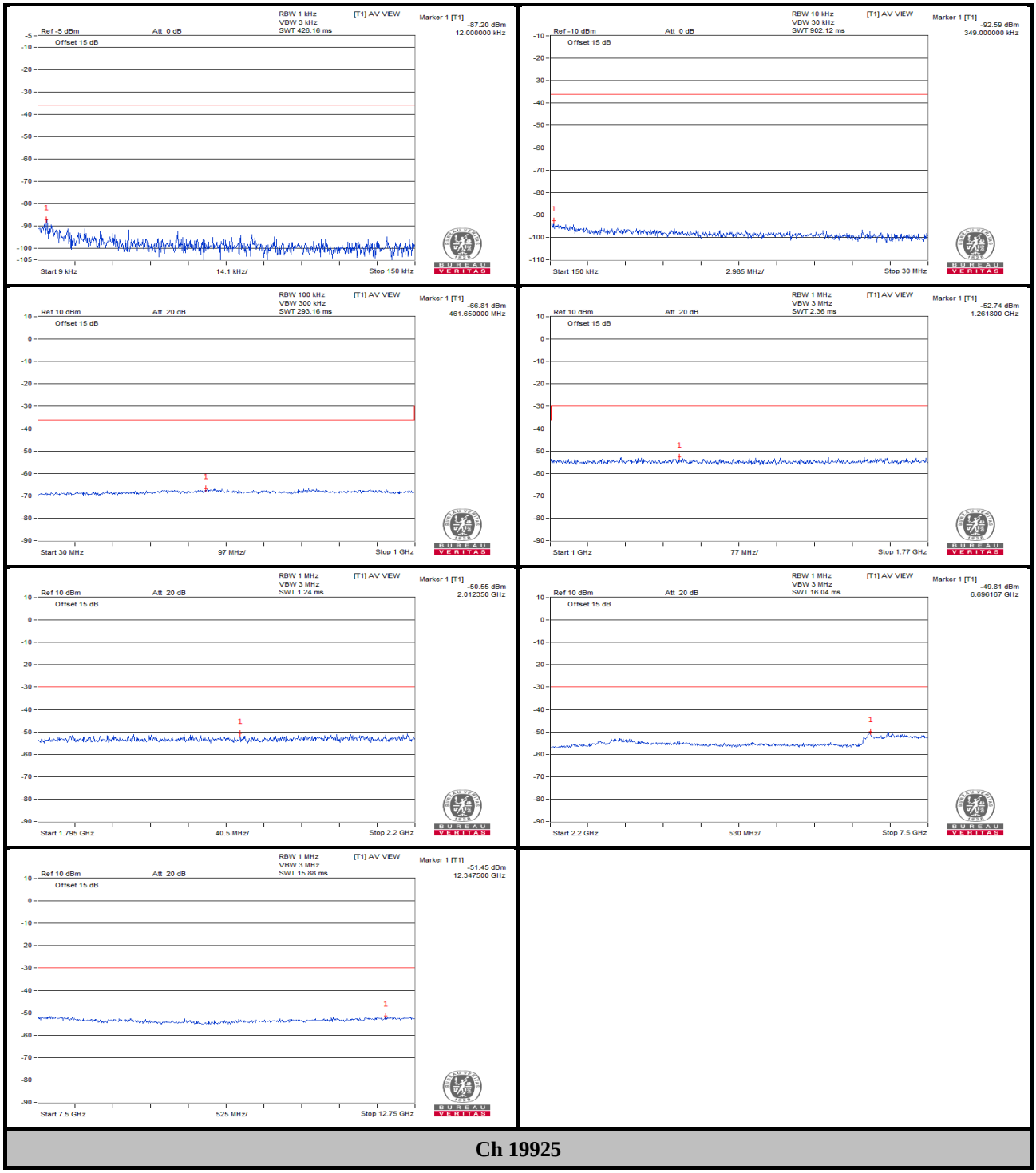
Modulation	Channel	Frequency Range (MHz)	Measurement Value	Limit	Pass / Fail
QPSK	19225	0.009MHz to 0.15MHz	-84.76	-36	PASS
		0.15MHz to 30MHz	-92.73	-36	PASS
		30MHz to 1000MHz	-67.02	-36	PASS
		1000MHz to 1700MHz	-52.39	-30	PASS
		1725MHz to 2200MHz	-51.23	-30	PASS
		2200MHz to 7500MHz	-49.61	-30	PASS
		7500MHz to 12750MHz	-51.42	-30	PASS
	19575	0.009MHz to 0.15MHz	-87.34	-36	PASS
		0.15MHz to 30MHz	-90.93	-36	PASS
		30MHz to 1000MHz	-66.87	-36	PASS
		1000MHz to 1735MHz	-51.72	-30	PASS
		1760MHz to 2200MHz	-50.57	-30	PASS
		2200MHz to 7500MHz	-49.75	-30	PASS
		7500MHz to 12750MHz	-51.18	-30	PASS
	19925	0.009MHz to 0.15MHz	-87.20	-36	PASS
		0.15MHz to 30MHz	-92.59	-36	PASS
		30MHz to 1000MHz	-66.81	-36	PASS
		1000MHz to 1770MHz	-52.74	-30	PASS
		1795MHz to 2200MHz	-50.55	-30	PASS
		2200MHz to 7500MHz	-49.81	-30	PASS
		7500MHz to 12750MHz	-51.45	-30	PASS


RBW 1 kHz
VBW 3 kHz
SWT 426.16 ms
[T1] AV VIEW
Marker 1 [T1]
-84.76 dBm
11.500000 kHz
Ref -5 dBm
Att 0 dB
Offset 15 dB
Start 9 kHz
14.1 kHz/
Stop 150 kHz
RBW 10 kHz
VBW 30 kHz
SWT 902.12 ms
[T1] AV VIEW
Marker 1 [T1]
-92.73 dBm
946.000000 kHz
Ref -10 dBm
Att 0 dB
Offset 15 dB
Start 150 kHz
2.985 MHz/
Stop 30 MHz
RBW 100 kHz
VBW 300 kHz
SWT 293.16 ms
[T1] AV VIEW
Marker 1 [T1]
-67.02 dBm
744.566600 MHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 30 MHz
97 MHz/
Stop 1 GHz
RBW 1 MHz
VBW 3 MHz
SWT 2.12 ms
[T1] AV VIEW
Marker 1 [T1]
-52.39 dBm
1.353500 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1 GHz
70 MHz/
Stop 1.7 GHz
RBW 1 MHz
VBW 3 MHz
SWT 1.44 ms
[T1] AV VIEW
Marker 1 [T1]
-51.23 dBm
1.826333 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1.725 GHz
47.5 MHz/
Stop 2.2 GHz
RBW 1 MHz
VBW 3 MHz
SWT 16.04 ms
[T1] AV VIEW
Marker 1 [T1]
-49.61 dBm
6.696167 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 2.2 GHz
530 MHz/
Stop 7.5 GHz
RBW 1 MHz
VBW 3 MHz
SWT 15.88 ms
[T1] AV VIEW
Marker 1 [T1]
-51.42 dBm
7.683750 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 7.5 GHz
525 MHz/
Stop 12.75 GHz

Ch 19225


RBW 1 kHz
VBW 3 kHz
SWT 426.16 ms
[T1] AV VIEW
Marker 1 [T1]
-87.34 dBm
14.100000 kHz
Ref -5 dBm
Att 0 dB
Offset 15 dB
Start 9 kHz
14.1 kHz/
Stop 150 kHz
RBW 10 kHz
VBW 30 kHz
SWT 902.12 ms
[T1] AV VIEW
Marker 1 [T1]
-90.93 dBm
349.000000 kHz
Ref -10 dBm
Att 0 dB
Offset 15 dB
Start 150 kHz
2.985 MHz/
Stop 30 MHz
RBW 100 kHz
VBW 300 kHz
SWT 293.16 ms
[T1] AV VIEW
Marker 1 [T1]
-66.87 dBm
369.500000 MHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 30 MHz
97 MHz/
Stop 1 GHz
RBW 1 MHz
VBW 3 MHz
SWT 2.24 ms
[T1] AV VIEW
Marker 1 [T1]
-51.72 dBm
1.592900 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1 GHz
73.5 MHz/
Stop 1.735 GHz
RBW 1 MHz
VBW 3 MHz
SWT 1.36 ms
[T1] AV VIEW
Marker 1 [T1]
-50.57 dBm
2.197800 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1.76 GHz
44 MHz/
Stop 2.2 GHz
RBW 1 MHz
VBW 3 MHz
SWT 16.04 ms
[T1] AV VIEW
Marker 1 [T1]
-49.75 dBm
6.696167 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 2.2 GHz
530 MHz/
Stop 7.5 GHz
RBW 1 MHz
VBW 3 MHz
SWT 15.88 ms
[T1] AV VIEW
Marker 1 [T1]
-51.18 dBm
12.338750 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 7.5 GHz
525 MHz/
Stop 12.75 GHz

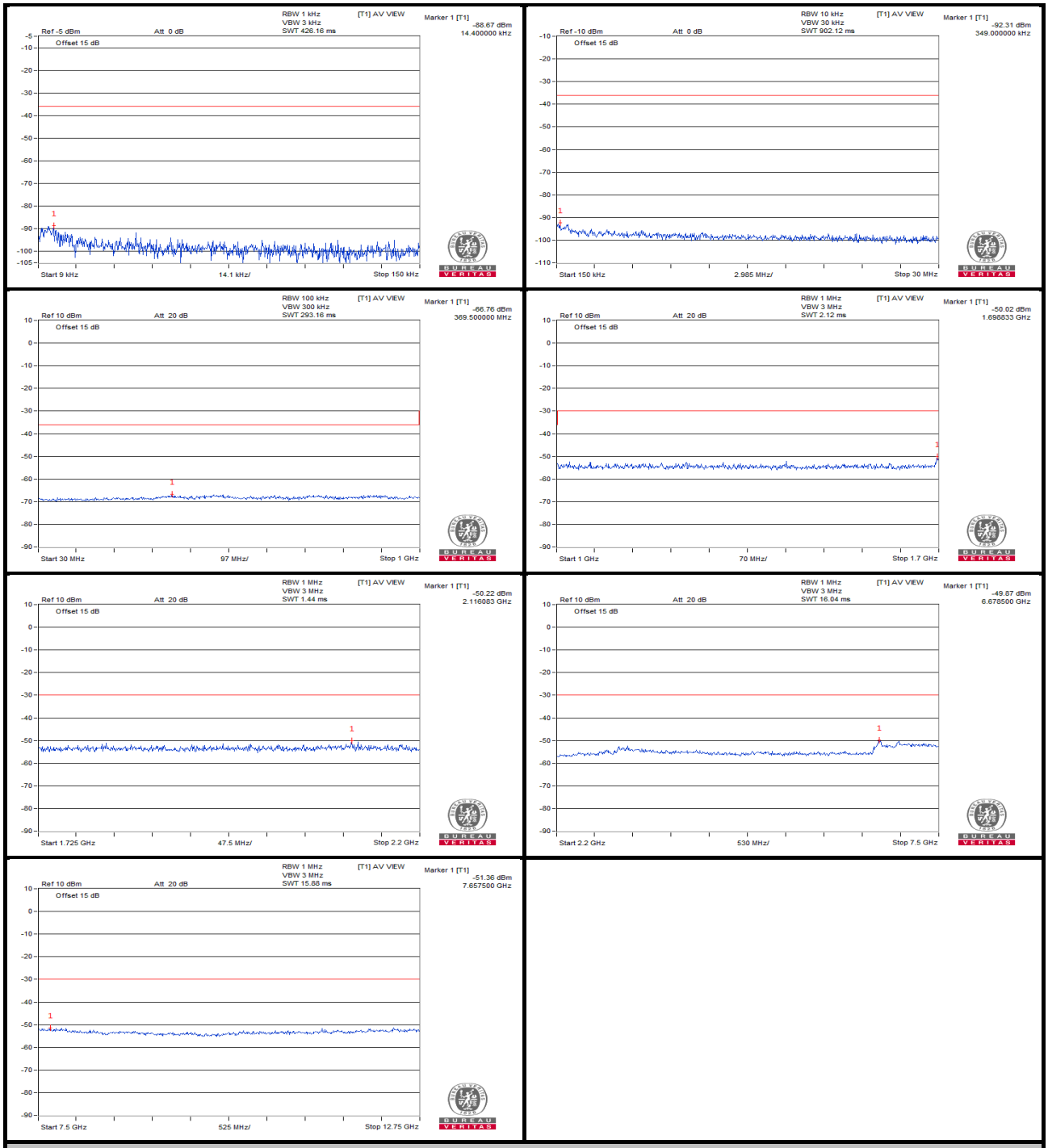
Ch 19575


RBW 1 kHz
VBW 3 kHz
SWT 426.16 ms
[T1] AV VIEW
Marker 1 [T1]
-87.20 dBm
12.000000 kHz
Ref -5 dBm
Att 0 dB
Offset 15 dB
Start 9 kHz
14.1 kHz/
Stop 150 kHz
RBW 10 kHz
VBW 30 kHz
SWT 902.12 ms
[T1] AV VIEW
Marker 1 [T1]
-92.59 dBm
349.000000 kHz
Ref -10 dBm
Att 0 dB
Offset 15 dB
Start 150 kHz
2.985 MHz/
Stop 30 MHz
RBW 100 kHz
VBW 300 kHz
SWT 293.16 ms
[T1] AV VIEW
Marker 1 [T1]
-66.81 dBm
461.650000 MHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 30 MHz
97 MHz/
Stop 1 GHz
RBW 1 MHz
VBW 3 MHz
SWT 2.36 ms
[T1] AV VIEW
Marker 1 [T1]
-52.74 dBm
1.261800 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1 GHz
77 MHz/
Stop 1.77 GHz
RBW 1 MHz
VBW 3 MHz
SWT 1.24 ms
[T1] AV VIEW
Marker 1 [T1]
-50.55 dBm
2.012350 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1.795 GHz
40.5 MHz/
Stop 2.2 GHz
RBW 1 MHz
VBW 3 MHz
SWT 16.04 ms
[T1] AV VIEW
Marker 1 [T1]
-49.81 dBm
6.696167 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 2.2 GHz
530 MHz/
Stop 7.5 GHz
RBW 1 MHz
VBW 3 MHz
SWT 15.88 ms
[T1] AV VIEW
Marker 1 [T1]
-51.45 dBm
12.347500 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 7.5 GHz
525 MHz/
Stop 12.75 GHz

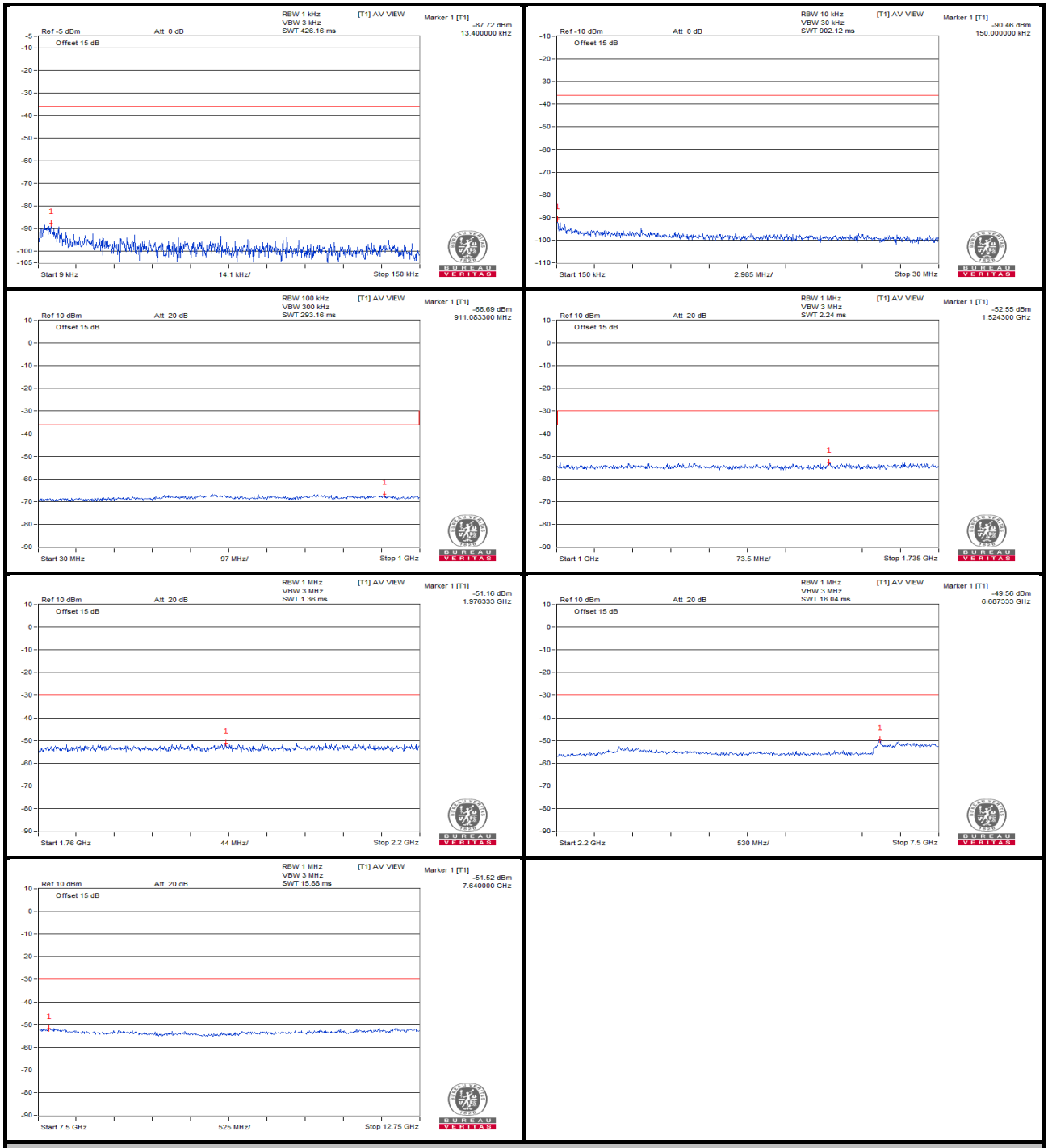
Ch 19925

Bandwidth: 5 MHz / QPSK (25 RB / 0 RB Offset)

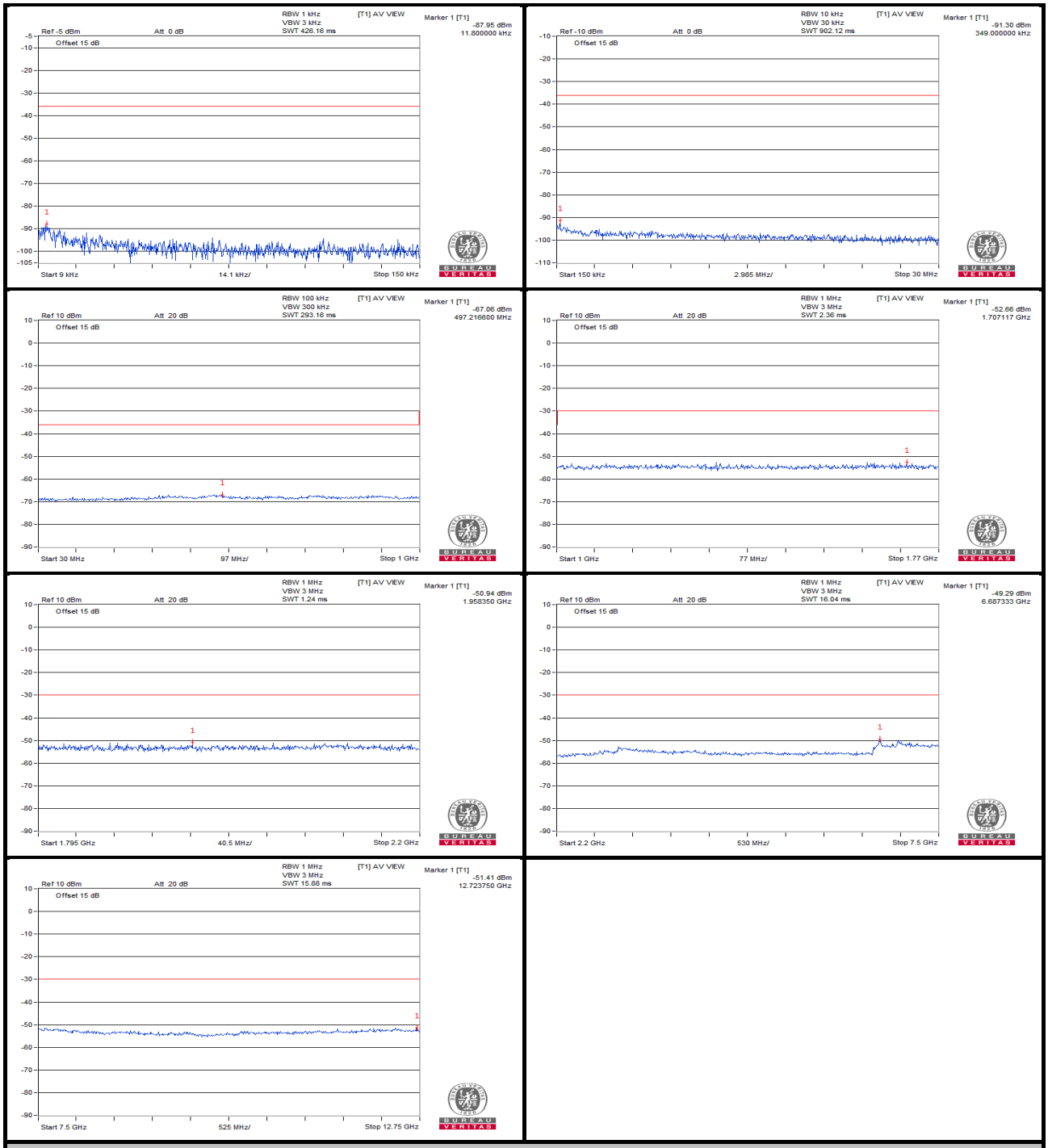
Modulation	Channel	Frequency Range (MHz)	Measurement Value	Limit	Pass / Fail
QPSK	19225	0.009MHz to 0.15MHz	-88.67	-36	PASS
		0.15MHz to 30MHz	-92.31	-36	PASS
		30MHz to 1000MHz	-66.76	-36	PASS
		1000MHz to 1700MHz	-50.02	-30	PASS
		1725MHz to 2200MHz	-50.22	-30	PASS
		2200MHz to 7500MHz	-49.87	-30	PASS
		7500MHz to 12750MHz	-51.36	-30	PASS
	19575	0.009MHz to 0.15MHz	-87.72	-36	PASS
		0.15MHz to 30MHz	-90.46	-36	PASS
		30MHz to 1000MHz	-66.69	-36	PASS
		1000MHz to 1735MHz	-52.55	-30	PASS
		1760MHz to 2200MHz	-51.16	-30	PASS
		2200MHz to 7500MHz	-49.56	-30	PASS
		7500MHz to 12750MHz	-51.52	-30	PASS
	19925	0.009MHz to 0.15MHz	-87.95	-36	PASS
		0.15MHz to 30MHz	-91.30	-36	PASS
		30MHz to 1000MHz	-67.06	-36	PASS
		1000MHz to 1770MHz	-52.66	-30	PASS
		1795MHz to 2200MHz	-50.94	-30	PASS
		2200MHz to 7500MHz	-49.29	-30	PASS
		7500MHz to 12750MHz	-51.41	-30	PASS


RBW 1 kHz
VBW 3 kHz
SWT 426.16 ms
[T1] AV VIEW
Marker 1 [T1]
-88.67 dBm
14.400000 kHz
Ref -5 dBm
Att 0 dB
Offset 15 dB
Start 9 kHz
14.1 kHz/
Stop 150 kHz
RBW 10 kHz
VBW 30 kHz
SWT 902.12 ms
[T1] AV VIEW
Marker 1 [T1]
-92.31 dBm
349.000000 kHz
Ref -10 dBm
Att 0 dB
Offset 15 dB
Start 150 kHz
2.985 MHz/
Stop 30 MHz
RBW 100 kHz
VBW 300 kHz
SWT 293.16 ms
[T1] AV VIEW
Marker 1 [T1]
-66.76 dBm
369.500000 MHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 30 MHz
97 MHz/
Stop 1 GHz
RBW 1 MHz
VBW 3 MHz
SWT 2.12 ms
[T1] AV VIEW
Marker 1 [T1]
-50.02 dBm
1.698833 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1 GHz
70 MHz/
Stop 1.7 GHz
RBW 1 MHz
VBW 3 MHz
SWT 1.44 ms
[T1] AV VIEW
Marker 1 [T1]
-50.22 dBm
2.116083 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1.725 GHz
47.5 MHz/
Stop 2.2 GHz
RBW 1 MHz
VBW 3 MHz
SWT 16.04 ms
[T1] AV VIEW
Marker 1 [T1]
-49.87 dBm
6.678500 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 2.2 GHz
530 MHz/
Stop 7.5 GHz
RBW 1 MHz
VBW 3 MHz
SWT 15.88 ms
[T1] AV VIEW
Marker 1 [T1]
-51.36 dBm
7.657500 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 7.5 GHz
525 MHz/
Stop 12.75 GHz

Ch 19225


RBW 1 kHz
VBW 3 kHz
SWT 426.16 ms
[T1] AV VIEW
Marker 1 [T1]
-87.72 dBm
13.400000 kHz
Ref -5 dBm
Att 0 dB
Offset 15 dB
Start 9 kHz
14.1 kHz/
Stop 150 kHz
RBW 10 kHz
VBW 30 kHz
SWT 902.12 ms
[T1] AV VIEW
Marker 1 [T1]
-90.46 dBm
150.000000 kHz
Ref -10 dBm
Att 0 dB
Offset 15 dB
Start 150 kHz
2.985 MHz/
Stop 30 MHz
RBW 100 kHz
VBW 300 kHz
SWT 293.16 ms
[T1] AV VIEW
Marker 1 [T1]
-66.69 dBm
911.083300 MHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 30 MHz
97 MHz/
Stop 1 GHz
RBW 1 MHz
VBW 3 MHz
SWT 2.24 ms
[T1] AV VIEW
Marker 1 [T1]
-52.55 dBm
1.524300 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1 GHz
73.5 MHz/
Stop 1.735 GHz
RBW 1 MHz
VBW 3 MHz
SWT 1.36 ms
[T1] AV VIEW
Marker 1 [T1]
-51.16 dBm
1.976333 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1.76 GHz
44 MHz/
Stop 2.2 GHz
RBW 1 MHz
VBW 3 MHz
SWT 16.04 ms
[T1] AV VIEW
Marker 1 [T1]
-49.56 dBm
6.687333 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 2.2 GHz
530 MHz/
Stop 7.5 GHz
RBW 1 MHz
VBW 3 MHz
SWT 15.88 ms
[T1] AV VIEW
Marker 1 [T1]
-51.52 dBm
7.640000 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 7.5 GHz
525 MHz/
Stop 12.75 GHz

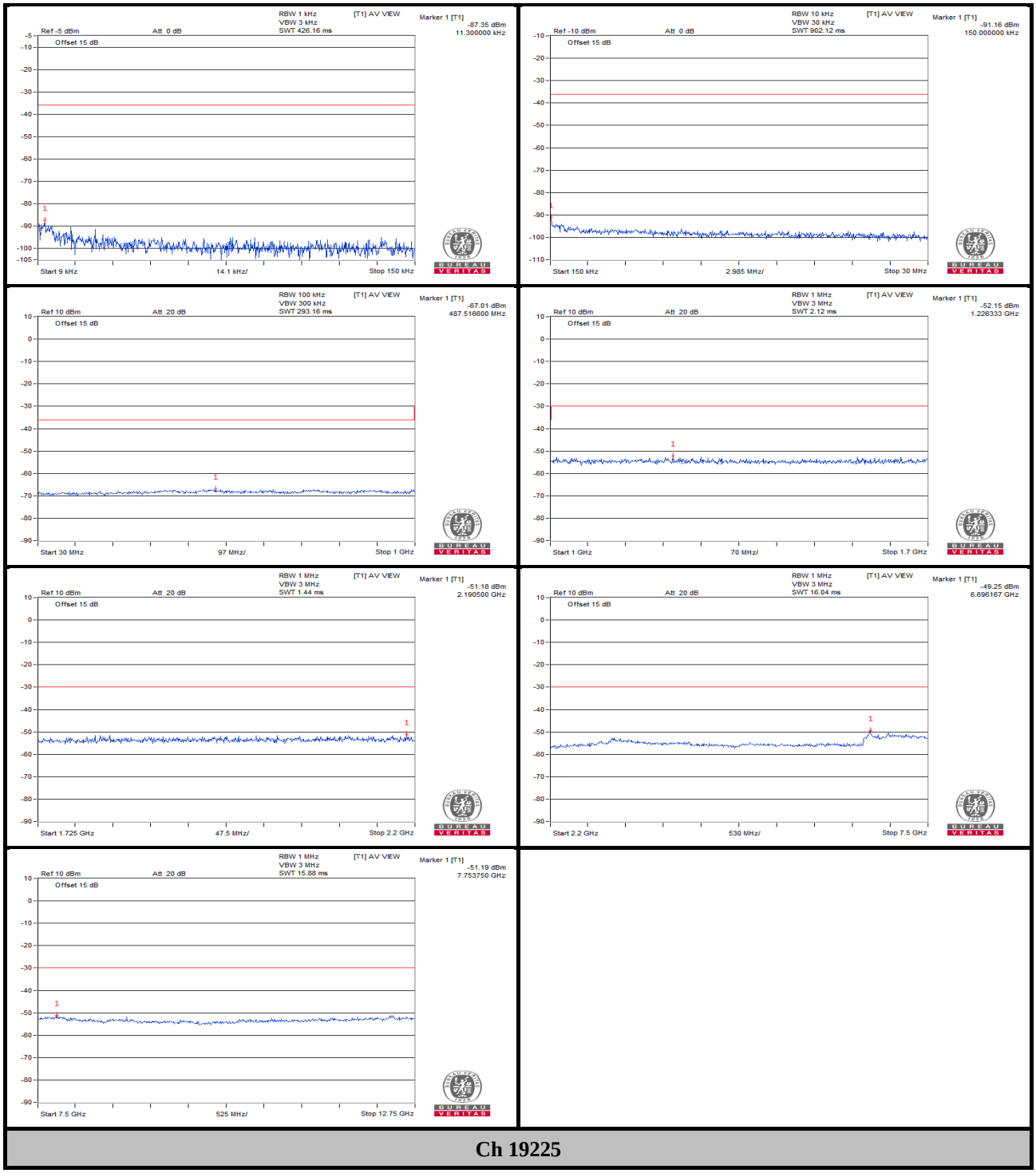
Ch 19575


RBW 1 kHz
VBW 3 kHz
SWT 426.16 ms
[T1] AV VIEW
Marker 1 [T1]
-87.95 dBm
11.800000 kHz
Ref -5 dBm
Att 0 dB
Offset 15 dB
Start 9 kHz
14.1 kHz/
Stop 150 kHz
RBW 10 kHz
VBW 30 kHz
SWT 902.12 ms
[T1] AV VIEW
Marker 1 [T1]
-91.30 dBm
349.000000 kHz
Ref -10 dBm
Att 0 dB
Offset 15 dB
Start 150 kHz
2.985 MHz/
Stop 30 MHz
RBW 100 kHz
VBW 300 kHz
SWT 293.16 ms
[T1] AV VIEW
Marker 1 [T1]
-67.06 dBm
497.216600 MHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 30 MHz
97 MHz/
Stop 1 GHz
RBW 1 MHz
VBW 3 MHz
SWT 2.36 ms
[T1] AV VIEW
Marker 1 [T1]
-52.66 dBm
1.707117 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1 GHz
77 MHz/
Stop 1.77 GHz
RBW 1 MHz
VBW 3 MHz
SWT 1.24 ms
[T1] AV VIEW
Marker 1 [T1]
-50.94 dBm
1.958350 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1.795 GHz
40.5 MHz/
Stop 2.2 GHz
RBW 1 MHz
VBW 3 MHz
SWT 16.04 ms
[T1] AV VIEW
Marker 1 [T1]
-49.29 dBm
6.687333 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 2.2 GHz
530 MHz/
Stop 7.5 GHz
RBW 1 MHz
VBW 3 MHz
SWT 15.88 ms
[T1] AV VIEW
Marker 1 [T1]
-51.41 dBm
12.723750 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 7.5 GHz
525 MHz/
Stop 12.75 GHz

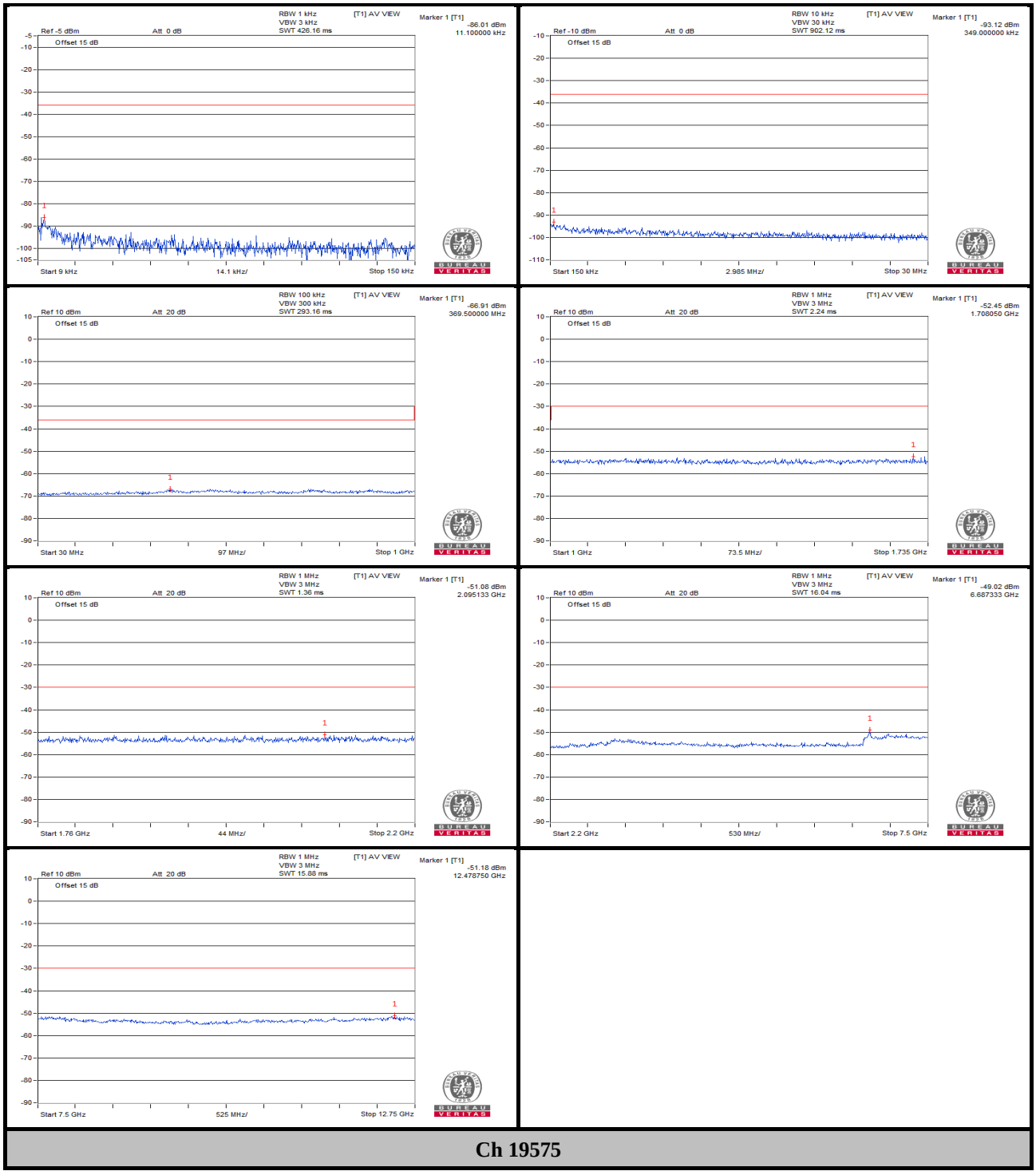
Ch 19925

Bandwidth: 5 MHz / QPSK (1 RB / 24 RB Offset)

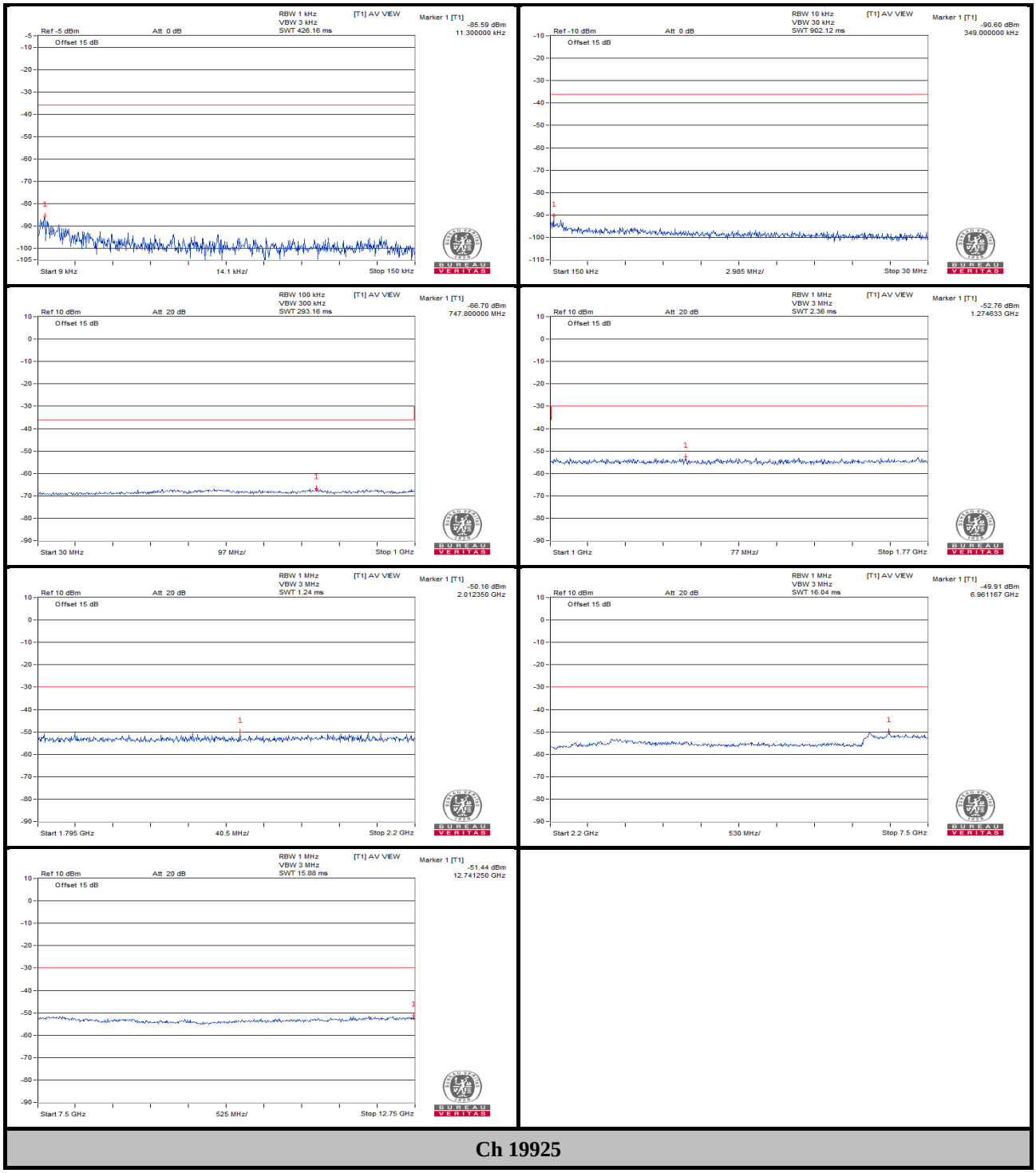
Modulation	Channel	Frequency Range (MHz)	Measurement Value	Limit	Pass / Fail
QPSK	19225	0.009MHz to 0.15MHz	-87.35	-36	PASS
		0.15MHz to 30MHz	-91.16	-36	PASS
		30MHz to 1000MHz	-67.01	-36	PASS
		1000MHz to 1700MHz	-52.15	-30	PASS
		1725MHz to 2200MHz	-51.18	-30	PASS
		2200MHz to 7500MHz	-49.25	-30	PASS
		7500MHz to 12750MHz	-51.19	-30	PASS
	19575	0.009MHz to 0.15MHz	-86.01	-36	PASS
		0.15MHz to 30MHz	-93.12	-36	PASS
		30MHz to 1000MHz	-66.91	-36	PASS
		1000MHz to 1735MHz	-52.45	-30	PASS
		1760MHz to 2200MHz	-51.08	-30	PASS
		2200MHz to 7500MHz	-49.02	-30	PASS
		7500MHz to 12750MHz	-51.18	-30	PASS
	19925	0.009MHz to 0.15MHz	-85.59	-36	PASS
		0.15MHz to 30MHz	-90.60	-36	PASS
		30MHz to 1000MHz	-66.70	-36	PASS
		1000MHz to 1770MHz	-52.76	-30	PASS
		1795MHz to 2200MHz	-50.16	-30	PASS
		2200MHz to 7500MHz	-49.91	-30	PASS
		7500MHz to 12750MHz	-51.44	-30	PASS


RBW 1 kHz
VBW 3 kHz
SWT 426.16 ms
[T1] AV VIEW
Marker 1 [T1]
-87.35 dBm
11.300000 kHz
Ref -5 dBm
Att 0 dB
Offset 15 dB
Start 9 kHz
14.1 kHz/
Stop 150 kHz
RBW 10 kHz
VBW 30 kHz
SWT 902.12 ms
[T1] AV VIEW
Marker 1 [T1]
-91.16 dBm
150.000000 kHz
Ref -10 dBm
Att 0 dB
Offset 15 dB
Start 150 kHz
2.985 MHz/
Stop 30 MHz
RBW 100 kHz
VBW 300 kHz
SWT 293.16 ms
[T1] AV VIEW
Marker 1 [T1]
-67.01 dBm
487.516600 MHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 30 MHz
97 MHz/
Stop 1 GHz
RBW 1 MHz
VBW 3 MHz
SWT 2.12 ms
[T1] AV VIEW
Marker 1 [T1]
-52.15 dBm
1.226333 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1 GHz
70 MHz/
Stop 1.7 GHz
RBW 1 MHz
VBW 3 MHz
SWT 1.44 ms
[T1] AV VIEW
Marker 1 [T1]
-51.18 dBm
2.190500 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1.725 GHz
47.5 MHz/
Stop 2.2 GHz
RBW 1 MHz
VBW 3 MHz
SWT 16.04 ms
[T1] AV VIEW
Marker 1 [T1]
-49.25 dBm
6.696167 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 2.2 GHz
530 MHz/
Stop 7.5 GHz
RBW 1 MHz
VBW 3 MHz
SWT 15.88 ms
[T1] AV VIEW
Marker 1 [T1]
-51.19 dBm
7.753750 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 7.5 GHz
525 MHz/
Stop 12.75 GHz

Ch 19225


RBW 1 kHz
VBW 3 kHz
SWT 426.16 ms
[T1] AV VIEW
Marker 1 [T1]
-86.01 dBm
11.100000 kHz
Ref -5 dBm
Att 0 dB
Offset 15 dB
Start 9 kHz
14.1 kHz/
Stop 150 kHz
RBW 10 kHz
VBW 30 kHz
SWT 902.12 ms
[T1] AV VIEW
Marker 1 [T1]
-93.12 dBm
349.000000 kHz
Ref -10 dBm
Att 0 dB
Offset 15 dB
Start 150 kHz
2.985 MHz/
Stop 30 MHz
RBW 100 kHz
VBW 300 kHz
SWT 293.16 ms
[T1] AV VIEW
Marker 1 [T1]
-66.91 dBm
369.500000 MHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 30 MHz
97 MHz/
Stop 1 GHz
RBW 1 MHz
VBW 3 MHz
SWT 2.24 ms
[T1] AV VIEW
Marker 1 [T1]
-52.45 dBm
1.708050 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1 GHz
73.5 MHz/
Stop 1.735 GHz
RBW 1 MHz
VBW 3 MHz
SWT 1.36 ms
[T1] AV VIEW
Marker 1 [T1]
-51.08 dBm
2.095133 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1.76 GHz
44 MHz/
Stop 2.2 GHz
RBW 1 MHz
VBW 3 MHz
SWT 16.04 ms
[T1] AV VIEW
Marker 1 [T1]
-49.02 dBm
6.687333 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 2.2 GHz
530 MHz/
Stop 7.5 GHz
RBW 1 MHz
VBW 3 MHz
SWT 15.88 ms
[T1] AV VIEW
Marker 1 [T1]
-51.18 dBm
12.478750 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 7.5 GHz
525 MHz/
Stop 12.75 GHz

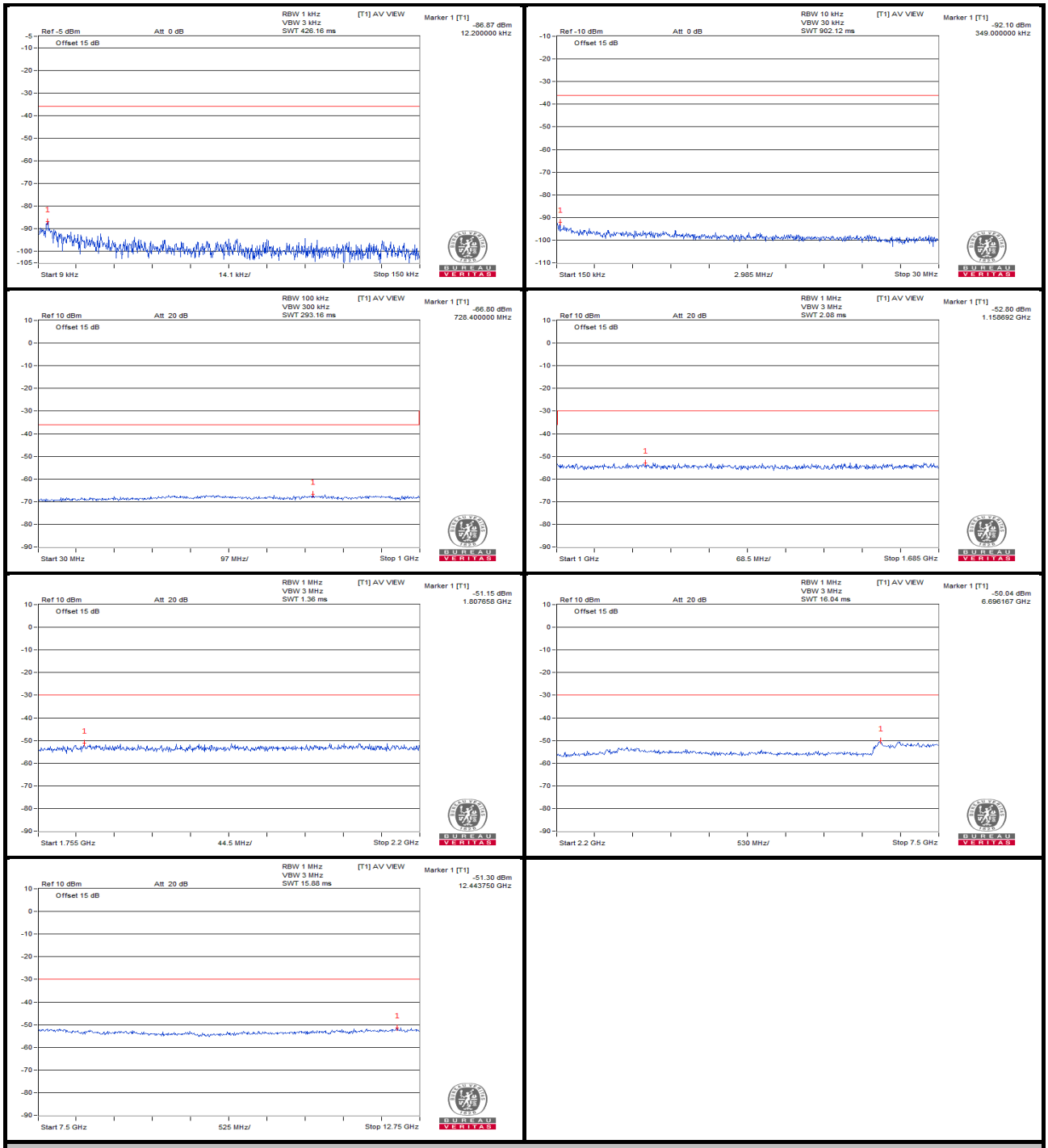
Ch 19575


RBW 1 kHz
VBW 3 kHz
SWT 426.16 ms
[T1] AV VIEW
Marker 1 [T1]
-85.59 dBm
11.300000 kHz
Ref -5 dBm
Att 0 dB
Offset 15 dB
Start 9 kHz
14.1 kHz/
Stop 150 kHz
RBW 10 kHz
VBW 30 kHz
SWT 902.12 ms
[T1] AV VIEW
Marker 1 [T1]
-90.60 dBm
349.000000 kHz
Ref -10 dBm
Att 0 dB
Offset 15 dB
Start 150 kHz
2.985 MHz/
Stop 30 MHz
RBW 100 kHz
VBW 300 kHz
SWT 293.16 ms
[T1] AV VIEW
Marker 1 [T1]
-66.70 dBm
747.800000 MHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 30 MHz
97 MHz/
Stop 1 GHz
RBW 1 MHz
VBW 3 MHz
SWT 2.36 ms
[T1] AV VIEW
Marker 1 [T1]
-52.76 dBm
1.274633 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1 GHz
77 MHz/
Stop 1.77 GHz
RBW 1 MHz
VBW 3 MHz
SWT 1.24 ms
[T1] AV VIEW
Marker 1 [T1]
-50.16 dBm
2.012350 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1.795 GHz
40.5 MHz/
Stop 2.2 GHz
RBW 1 MHz
VBW 3 MHz
SWT 16.04 ms
[T1] AV VIEW
Marker 1 [T1]
-49.91 dBm
6.961167 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 2.2 GHz
530 MHz/
Stop 7.5 GHz
RBW 1 MHz
VBW 3 MHz
SWT 15.88 ms
[T1] AV VIEW
Marker 1 [T1]
-51.44 dBm
12.741250 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 7.5 GHz
525 MHz/
Stop 12.75 GHz

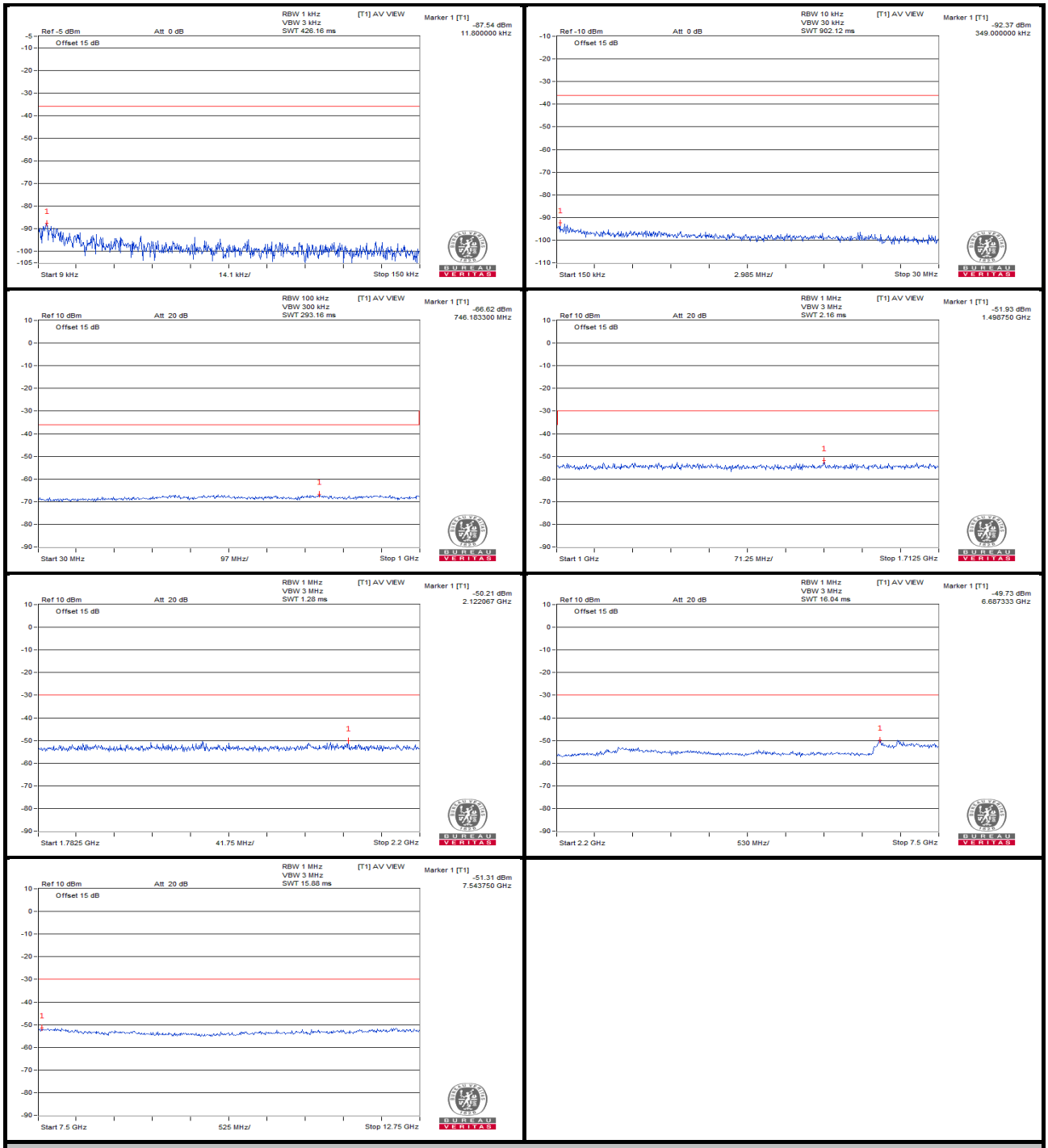
Ch 19925

Bandwidth: 20 MHz / QPSK (1 RB / 0 RB Offset)

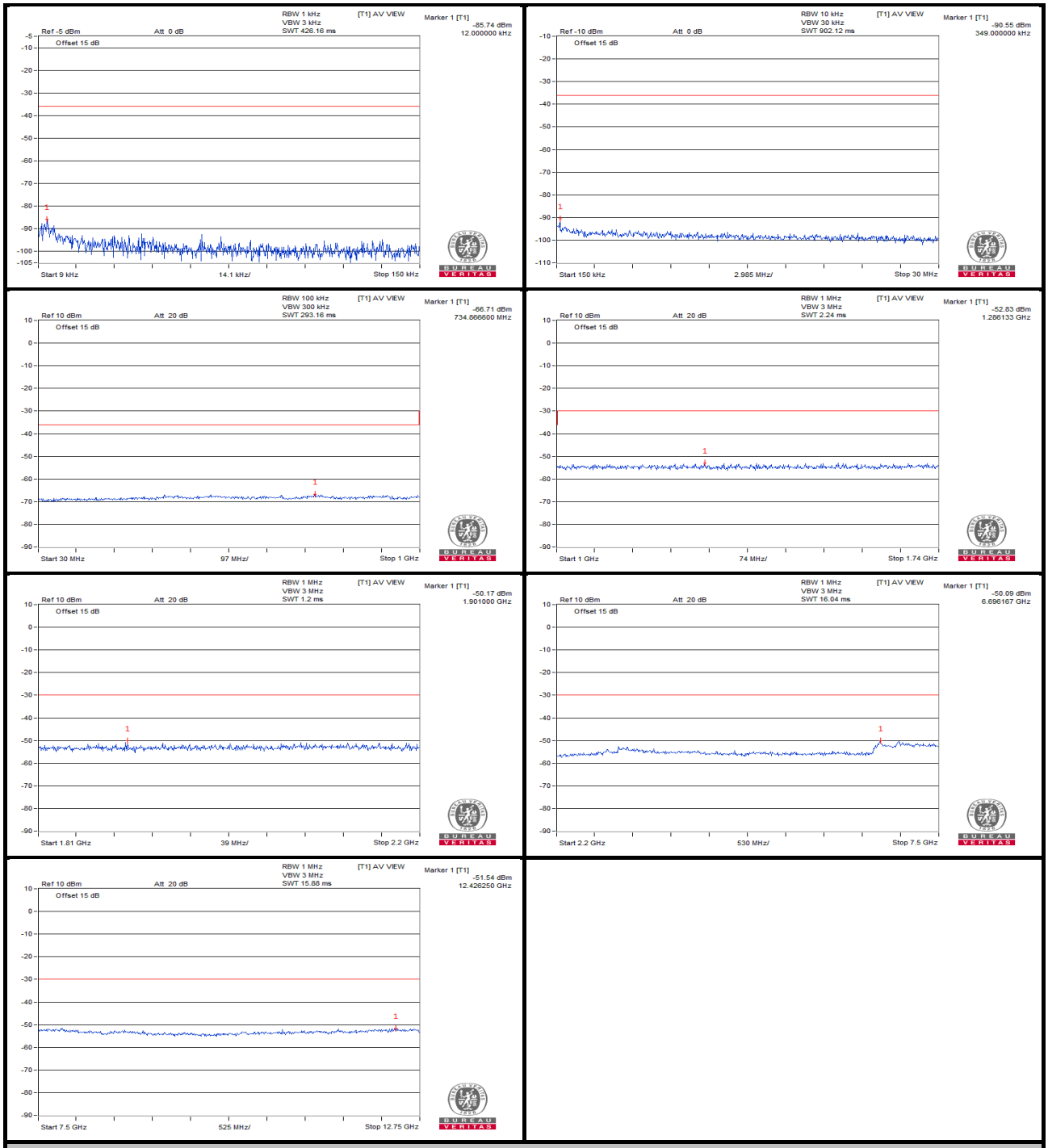
Modulation	Channel	Frequency Range (MHz)	Measurement Value	Limit	Pass / Fail
QPSK	19300	0.009MHz to 0.15MHz	-86.87	-36	PASS
		0.15MHz to 30MHz	-92.10	-36	PASS
		30MHz to 1000MHz	-66.80	-36	PASS
		1000MHz to 1685MHz	-52.80	-30	PASS
		1755MHz to 2200MHz	-51.15	-30	PASS
		2200MHz to 7500MHz	-50.04	-30	PASS
		7500MHz to 12750MHz	-51.30	-30	PASS
	19575	0.009MHz to 0.15MHz	-87.54	-36	PASS
		0.15MHz to 30MHz	-92.37	-36	PASS
		30MHz to 1000MHz	-66.62	-36	PASS
		1000MHz to 1712.5MHz	-51.93	-30	PASS
		1782.5MHz to 2200MHz	-50.21	-30	PASS
		2200MHz to 7500MHz	-49.73	-30	PASS
		7500MHz to 12750MHz	-51.31	-30	PASS
	19850	0.009MHz to 0.15MHz	-85.74	-36	PASS
		0.15MHz to 30MHz	-90.55	-36	PASS
		30MHz to 1000MHz	-66.71	-36	PASS
		1000MHz to 1740MHz	-52.83	-30	PASS
		1810MHz to 2200MHz	-50.17	-30	PASS
		2200MHz to 7500MHz	-50.09	-30	PASS
		7500MHz to 12750MHz	-51.54	-30	PASS


RBW 1 kHz
VBW 3 kHz
SWT 426.16 ms
[T1] AV VIEW
Marker 1 [T1]
-86.87 dBm
12.200000 kHz
Ref -5 dBm
Att 0 dB
Offset 15 dB
Start 9 kHz
14.1 kHz/
Stop 150 kHz
RBW 10 kHz
VBW 30 kHz
SWT 902.12 ms
[T1] AV VIEW
Marker 1 [T1]
-92.10 dBm
349.000000 kHz
Ref -10 dBm
Att 0 dB
Offset 15 dB
Start 150 kHz
2.985 MHz/
Stop 30 MHz
RBW 100 kHz
VBW 300 kHz
SWT 293.16 ms
[T1] AV VIEW
Marker 1 [T1]
-66.80 dBm
728.400000 MHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 30 MHz
97 MHz/
Stop 1 GHz
RBW 1 MHz
VBW 3 MHz
SWT 2.08 ms
[T1] AV VIEW
Marker 1 [T1]
-52.80 dBm
1.158692 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1 GHz
68.5 MHz/
Stop 1.685 GHz
RBW 1 MHz
VBW 3 MHz
SWT 1.36 ms
[T1] AV VIEW
Marker 1 [T1]
-51.15 dBm
1.607658 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1.755 GHz
44.5 MHz/
Stop 2.2 GHz
RBW 1 MHz
VBW 3 MHz
SWT 16.04 ms
[T1] AV VIEW
Marker 1 [T1]
-50.04 dBm
6.696167 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 2.2 GHz
530 MHz/
Stop 7.5 GHz
RBW 1 MHz
VBW 3 MHz
SWT 15.88 ms
[T1] AV VIEW
Marker 1 [T1]
-51.30 dBm
12.443750 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 7.5 GHz
525 MHz/
Stop 12.75 GHz

Ch 19300


RBW 1 kHz
VBW 3 kHz
SWT 426.16 ms
[T1] AV VIEW
Marker 1 [T1]
-87.54 dBm
11.800000 kHz
Ref -5 dBm
Att 0 dB
Offset 15 dB
Start 9 kHz
14.1 kHz/
Stop 150 kHz
RBW 10 kHz
VBW 30 kHz
SWT 902.12 ms
[T1] AV VIEW
Marker 1 [T1]
-92.37 dBm
349.000000 kHz
Ref -10 dBm
Att 0 dB
Offset 15 dB
Start 150 kHz
2.985 MHz/
Stop 30 MHz
RBW 100 kHz
VBW 300 kHz
SWT 293.16 ms
[T1] AV VIEW
Marker 1 [T1]
-66.62 dBm
746.183300 MHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 30 MHz
97 MHz/
Stop 1 GHz
RBW 1 MHz
VBW 3 MHz
SWT 2.16 ms
[T1] AV VIEW
Marker 1 [T1]
-51.93 dBm
1.498750 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1 GHz
71.25 MHz/
Stop 1.7125 GHz
RBW 1 MHz
VBW 3 MHz
SWT 1.28 ms
[T1] AV VIEW
Marker 1 [T1]
-50.21 dBm
2.122067 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1.7825 GHz
41.75 MHz/
Stop 2.2 GHz
RBW 1 MHz
VBW 3 MHz
SWT 16.04 ms
[T1] AV VIEW
Marker 1 [T1]
-49.73 dBm
6.687333 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 2.2 GHz
530 MHz/
Stop 7.5 GHz
RBW 1 MHz
VBW 3 MHz
SWT 15.88 ms
[T1] AV VIEW
Marker 1 [T1]
-51.31 dBm
7.543750 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 7.5 GHz
525 MHz/
Stop 12.75 GHz

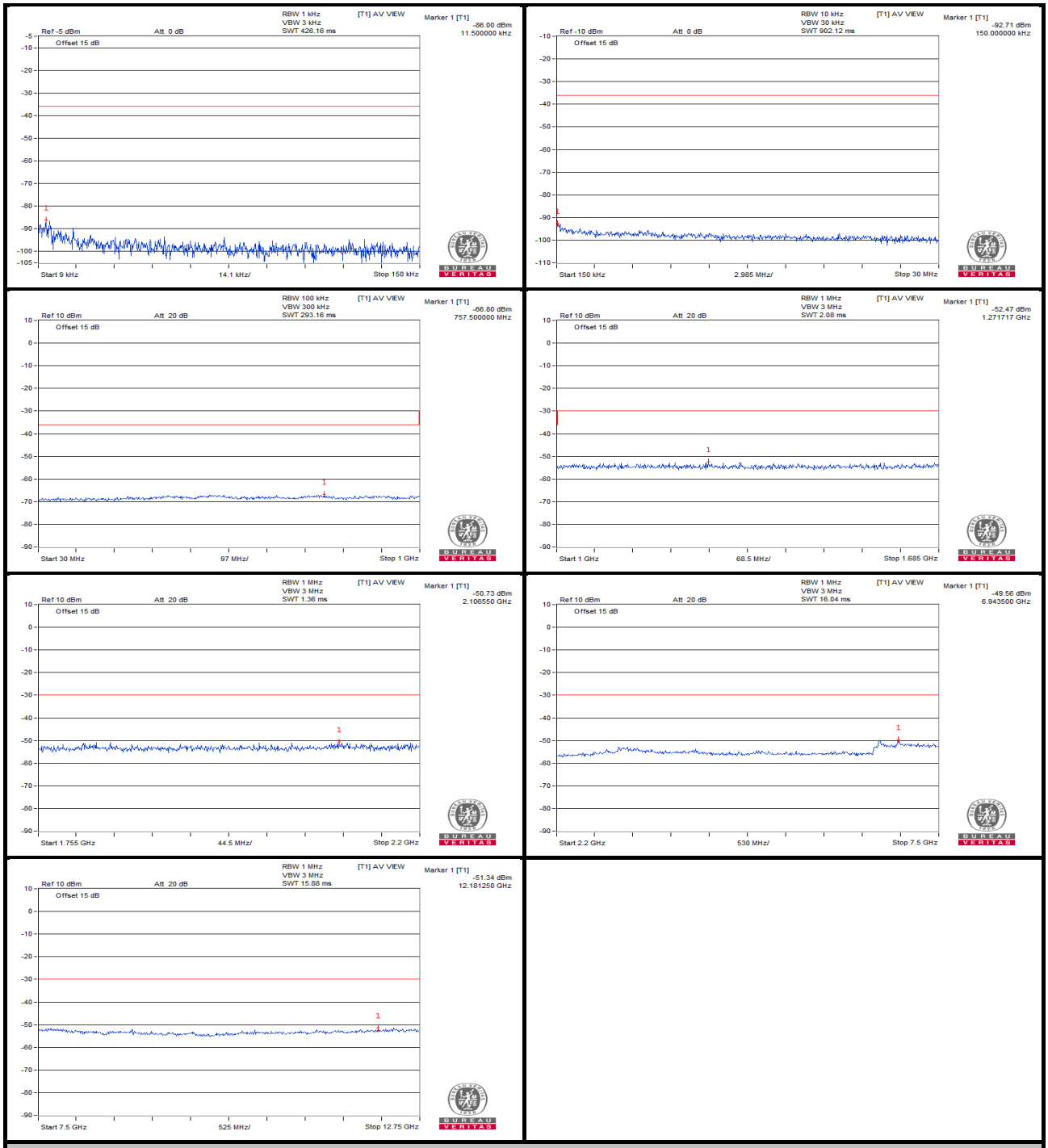
Ch 19575


RBW 1 kHz
VBW 3 kHz
SWT 426.16 ms
[T1] AV VIEW
Marker 1 [T1]
-85.74 dBm
12.000000 kHz
Ref -5 dBm
Att 0 dB
Offset 15 dB
Start 9 kHz
14.1 kHz/
Stop 150 kHz
RBW 10 kHz
VBW 30 kHz
SWT 902.12 ms
[T1] AV VIEW
Marker 1 [T1]
-90.55 dBm
349.000000 kHz
Ref -10 dBm
Att 0 dB
Offset 15 dB
Start 150 kHz
2.985 MHz/
Stop 30 MHz
RBW 100 kHz
VBW 300 kHz
SWT 293.16 ms
[T1] AV VIEW
Marker 1 [T1]
-66.71 dBm
734.866600 MHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 30 MHz
97 MHz/
Stop 1 GHz
RBW 1 MHz
VBW 3 MHz
SWT 2.24 ms
[T1] AV VIEW
Marker 1 [T1]
-52.83 dBm
1.286133 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1 GHz
74 MHz/
Stop 1.74 GHz
RBW 1 MHz
VBW 3 MHz
SWT 1.2 ms
[T1] AV VIEW
Marker 1 [T1]
-50.17 dBm
1.901000 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1.81 GHz
39 MHz/
Stop 2.2 GHz
RBW 1 MHz
VBW 3 MHz
SWT 16.04 ms
[T1] AV VIEW
Marker 1 [T1]
-50.09 dBm
6.696167 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 2.2 GHz
530 MHz/
Stop 7.5 GHz
RBW 1 MHz
VBW 3 MHz
SWT 15.88 ms
[T1] AV VIEW
Marker 1 [T1]
-51.54 dBm
12.426250 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 7.5 GHz
525 MHz/
Stop 12.75 GHz

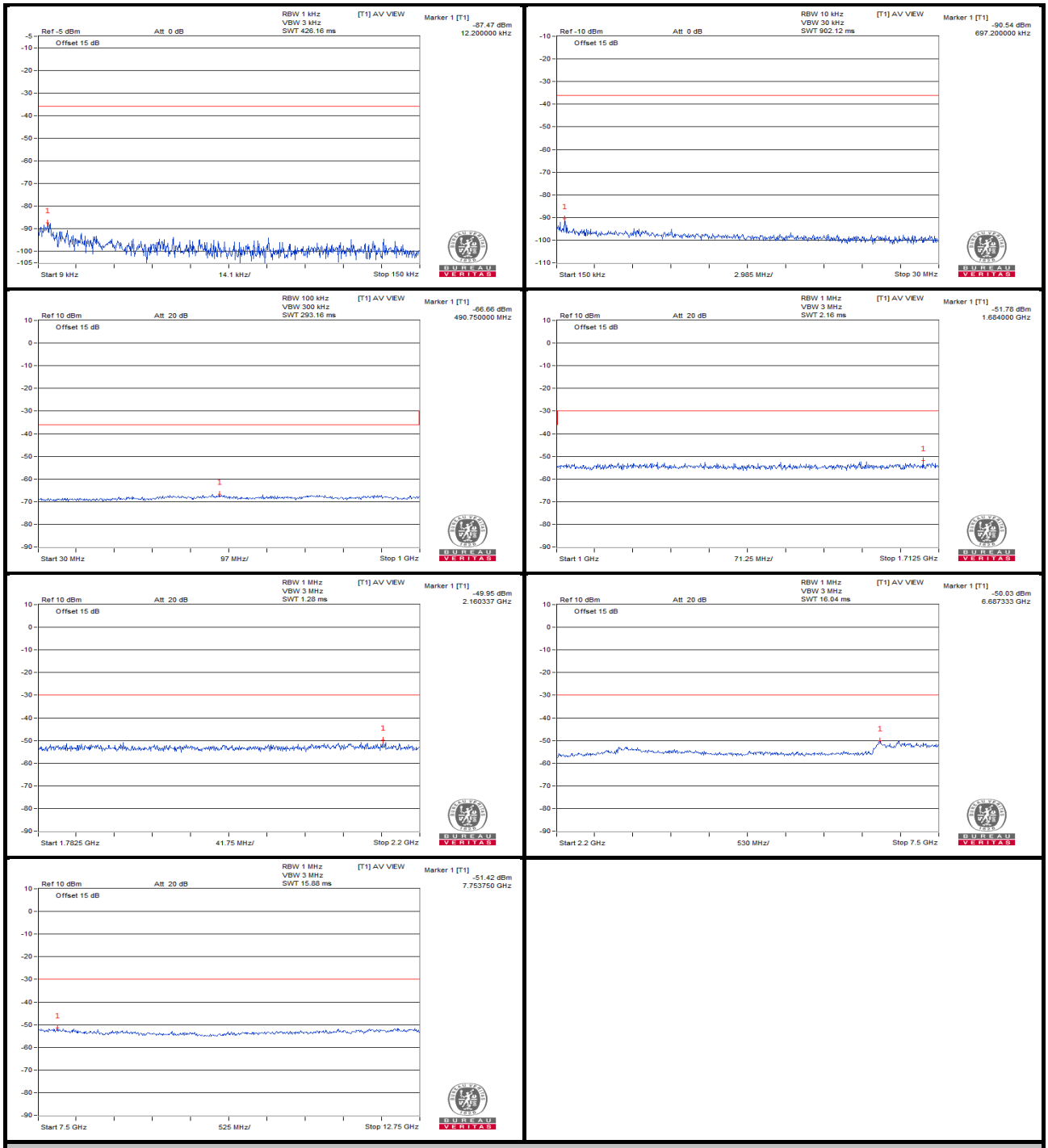
Ch 19850

Bandwidth: 20 MHz / QPSK (100 RB / 0 RB Offset)

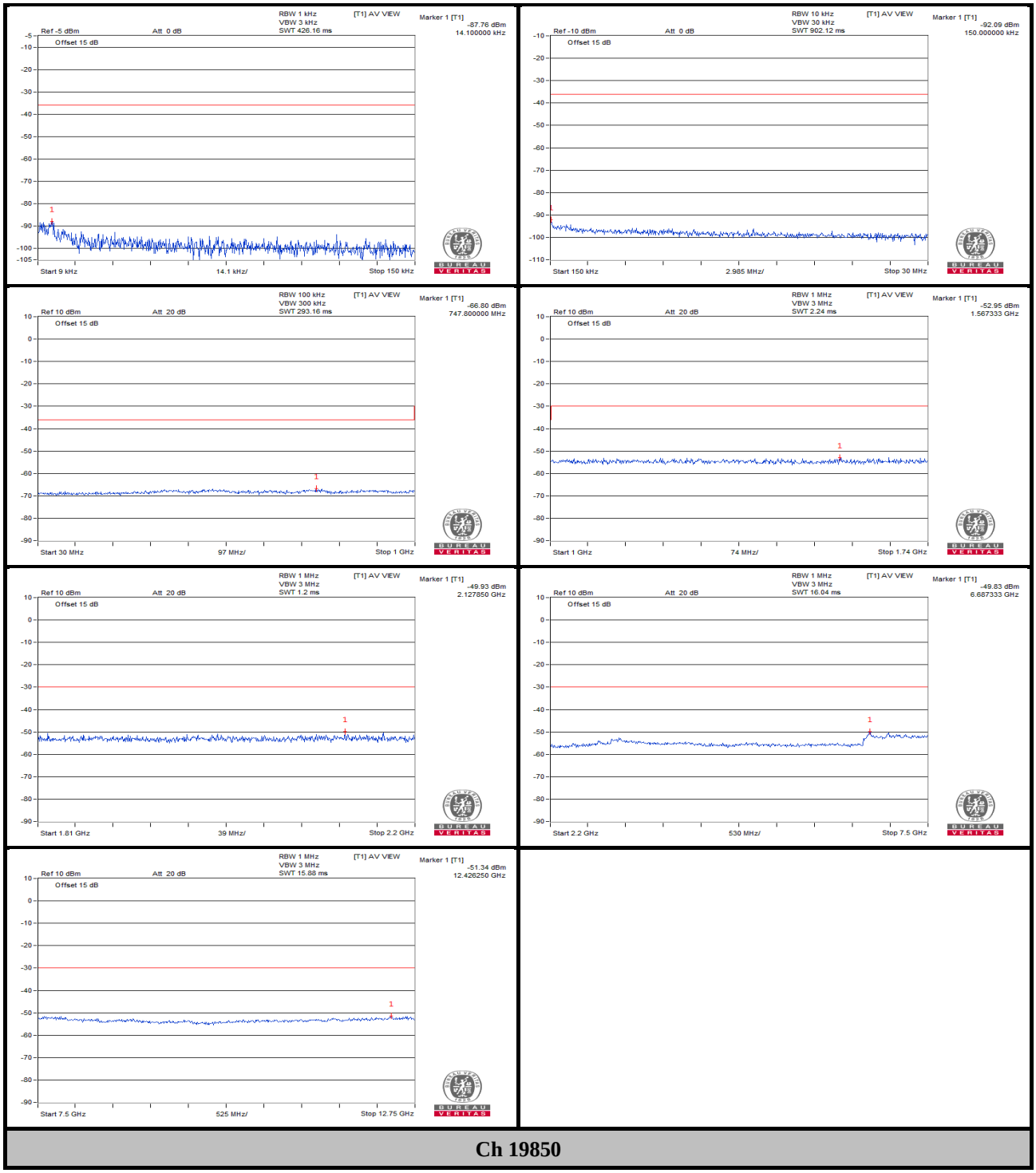
Modulation	Channel	Frequency Range (MHz)	Measurement Value	Limit	Pass / Fail
QPSK	19300	0.009MHz to 0.15MHz	-86.00	-36	PASS
		0.15MHz to 30MHz	-92.71	-36	PASS
		30MHz to 1000MHz	-66.80	-36	PASS
		1000MHz to 1685MHz	-52.47	-30	PASS
		1755MHz to 2200MHz	-50.73	-30	PASS
		2200MHz to 7500MHz	-49.56	-30	PASS
		7500MHz to 12750MHz	-51.34	-30	PASS
	19575	0.009MHz to 0.15MHz	-87.47	-36	PASS
		0.15MHz to 30MHz	-90.54	-36	PASS
		30MHz to 1000MHz	-66.66	-36	PASS
		1000MHz to 1712.5MHz	-51.78	-30	PASS
		1782.5MHz to 2200MHz	-49.95	-30	PASS
		2200MHz to 7500MHz	-50.03	-30	PASS
		7500MHz to 12750MHz	-51.42	-30	PASS
	19850	0.009MHz to 0.15MHz	-87.76	-36	PASS
		0.15MHz to 30MHz	-92.09	-36	PASS
		30MHz to 1000MHz	-66.80	-36	PASS
		1000MHz to 1740MHz	-52.95	-30	PASS
		1810MHz to 2200MHz	-49.93	-30	PASS
		2200MHz to 7500MHz	-49.83	-30	PASS
		7500MHz to 12750MHz	-51.34	-30	PASS


RBW 1 kHz
VBW 3 kHz
SWT 426.16 ms
[T1] AV VIEW
Marker 1 [T1]
-86.00 dBm
11.500000 kHz
Ref -5 dBm
Att 0 dB
Offset 15 dB
Start 9 kHz
14.1 kHz/
Stop 150 kHz
RBW 10 kHz
VBW 30 kHz
SWT 902.12 ms
[T1] AV VIEW
Marker 1 [T1]
-92.71 dBm
150.000000 kHz
Ref -10 dBm
Att 0 dB
Offset 15 dB
Start 150 kHz
2.985 MHz/
Stop 30 MHz
RBW 100 kHz
VBW 300 kHz
SWT 293.16 ms
[T1] AV VIEW
Marker 1 [T1]
-66.80 dBm
757.500000 MHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 30 MHz
97 MHz/
Stop 1 GHz
RBW 1 MHz
VBW 3 MHz
SWT 2.08 ms
[T1] AV VIEW
Marker 1 [T1]
-52.47 dBm
1.271717 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1 GHz
68.5 MHz/
Stop 1.685 GHz
RBW 1 MHz
VBW 3 MHz
SWT 1.36 ms
[T1] AV VIEW
Marker 1 [T1]
-50.73 dBm
2.106550 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1.755 GHz
44.5 MHz/
Stop 2.2 GHz
RBW 1 MHz
VBW 3 MHz
SWT 16.04 ms
[T1] AV VIEW
Marker 1 [T1]
-49.56 dBm
6.943500 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 2.2 GHz
530 MHz/
Stop 7.5 GHz
RBW 1 MHz
VBW 3 MHz
SWT 15.88 ms
[T1] AV VIEW
Marker 1 [T1]
-51.34 dBm
12.181250 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 7.5 GHz
525 MHz/
Stop 12.75 GHz

Ch 19300


RBW 1 kHz
VBW 3 kHz
SWT 426.16 ms
[T1] AV VIEW
Marker 1 [T1]
-87.47 dBm
12.200000 kHz
Ref -5 dBm
Att 0 dB
Offset 15 dB
Start 9 kHz
14.1 kHz/
Stop 150 kHz
RBW 10 kHz
VBW 30 kHz
SWT 902.12 ms
[T1] AV VIEW
Marker 1 [T1]
-90.54 dBm
697.200000 kHz
Ref -10 dBm
Att 0 dB
Offset 15 dB
Start 150 kHz
2.985 MHz/
Stop 30 MHz
RBW 100 kHz
VBW 300 kHz
SWT 293.16 ms
[T1] AV VIEW
Marker 1 [T1]
-66.66 dBm
490.750000 MHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 30 MHz
97 MHz/
Stop 1 GHz
RBW 1 MHz
VBW 3 MHz
SWT 2.16 ms
[T1] AV VIEW
Marker 1 [T1]
-51.78 dBm
1.684000 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1 GHz
71.25 MHz/
Stop 1.7125 GHz
RBW 1 MHz
VBW 3 MHz
SWT 1.28 ms
[T1] AV VIEW
Marker 1 [T1]
-49.95 dBm
2.160337 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1.7825 GHz
41.75 MHz/
Stop 2.2 GHz
RBW 1 MHz
VBW 3 MHz
SWT 16.04 ms
[T1] AV VIEW
Marker 1 [T1]
-50.03 dBm
6.687333 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 2.2 GHz
530 MHz/
Stop 7.5 GHz
RBW 1 MHz
VBW 3 MHz
SWT 15.88 ms
[T1] AV VIEW
Marker 1 [T1]
-51.42 dBm
7.753750 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 7.5 GHz
525 MHz/
Stop 12.75 GHz

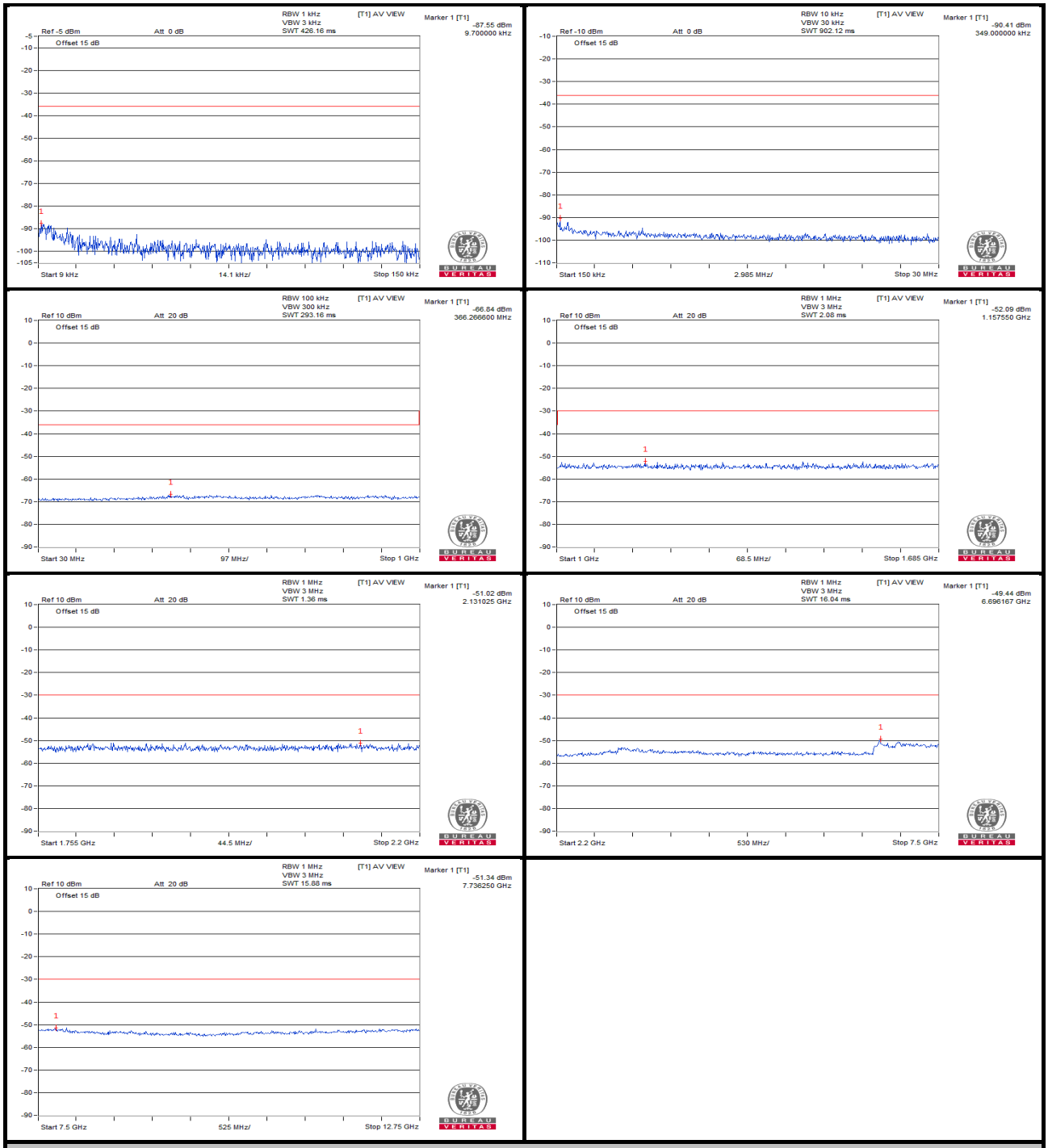
Ch 19575


RBW 1 kHz
VBW 3 kHz
SWT 426.16 ms
[T1] AV VIEW
Marker 1 [T1]
-87.76 dBm
14.100000 kHz
Ref -5 dBm
Att 0 dB
Offset 15 dB
Start 9 kHz
14.1 kHz/
Stop 150 kHz
RBW 10 kHz
VBW 30 kHz
SWT 902.12 ms
[T1] AV VIEW
Marker 1 [T1]
-92.09 dBm
150.000000 kHz
Ref -10 dBm
Att 0 dB
Offset 15 dB
Start 150 kHz
2.985 MHz/
Stop 30 MHz
RBW 100 kHz
VBW 300 kHz
SWT 293.16 ms
[T1] AV VIEW
Marker 1 [T1]
-66.80 dBm
747.800000 MHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 30 MHz
97 MHz/
Stop 1 GHz
RBW 1 MHz
VBW 3 MHz
SWT 2.24 ms
[T1] AV VIEW
Marker 1 [T1]
-52.95 dBm
1.567333 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1 GHz
74 MHz/
Stop 1.74 GHz
RBW 1 MHz
VBW 3 MHz
SWT 1.2 ms
[T1] AV VIEW
Marker 1 [T1]
-49.93 dBm
2.127850 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1.81 GHz
39 MHz/
Stop 2.2 GHz
RBW 1 MHz
VBW 3 MHz
SWT 16.04 ms
[T1] AV VIEW
Marker 1 [T1]
-49.83 dBm
6.687333 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 2.2 GHz
530 MHz/
Stop 7.5 GHz
RBW 1 MHz
VBW 3 MHz
SWT 15.88 ms
[T1] AV VIEW
Marker 1 [T1]
-51.34 dBm
12.426250 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 7.5 GHz
525 MHz/
Stop 12.75 GHz

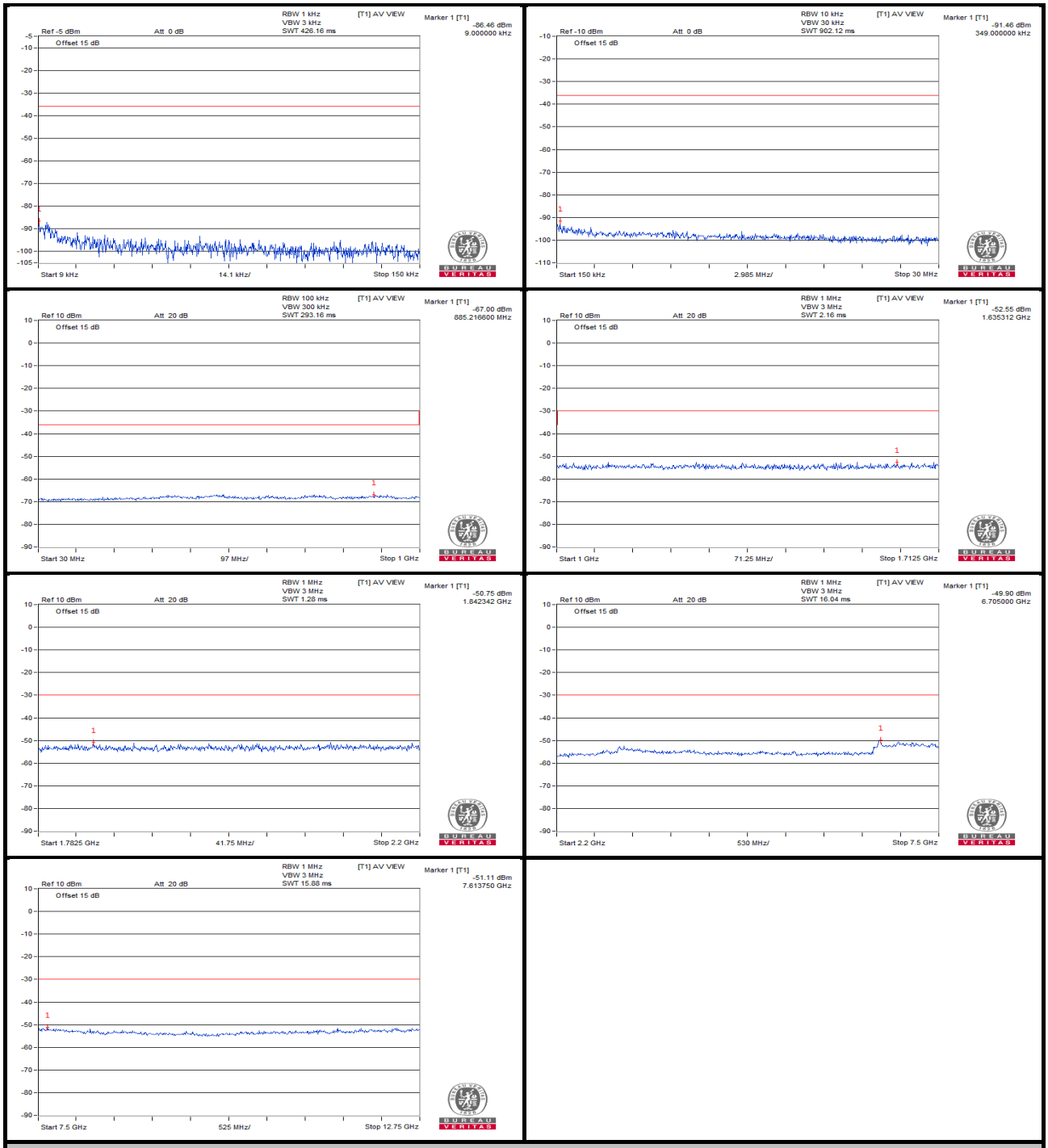
Ch 19850

Bandwidth: 20 MHz / QPSK (1 RB / 99 RB Offset)

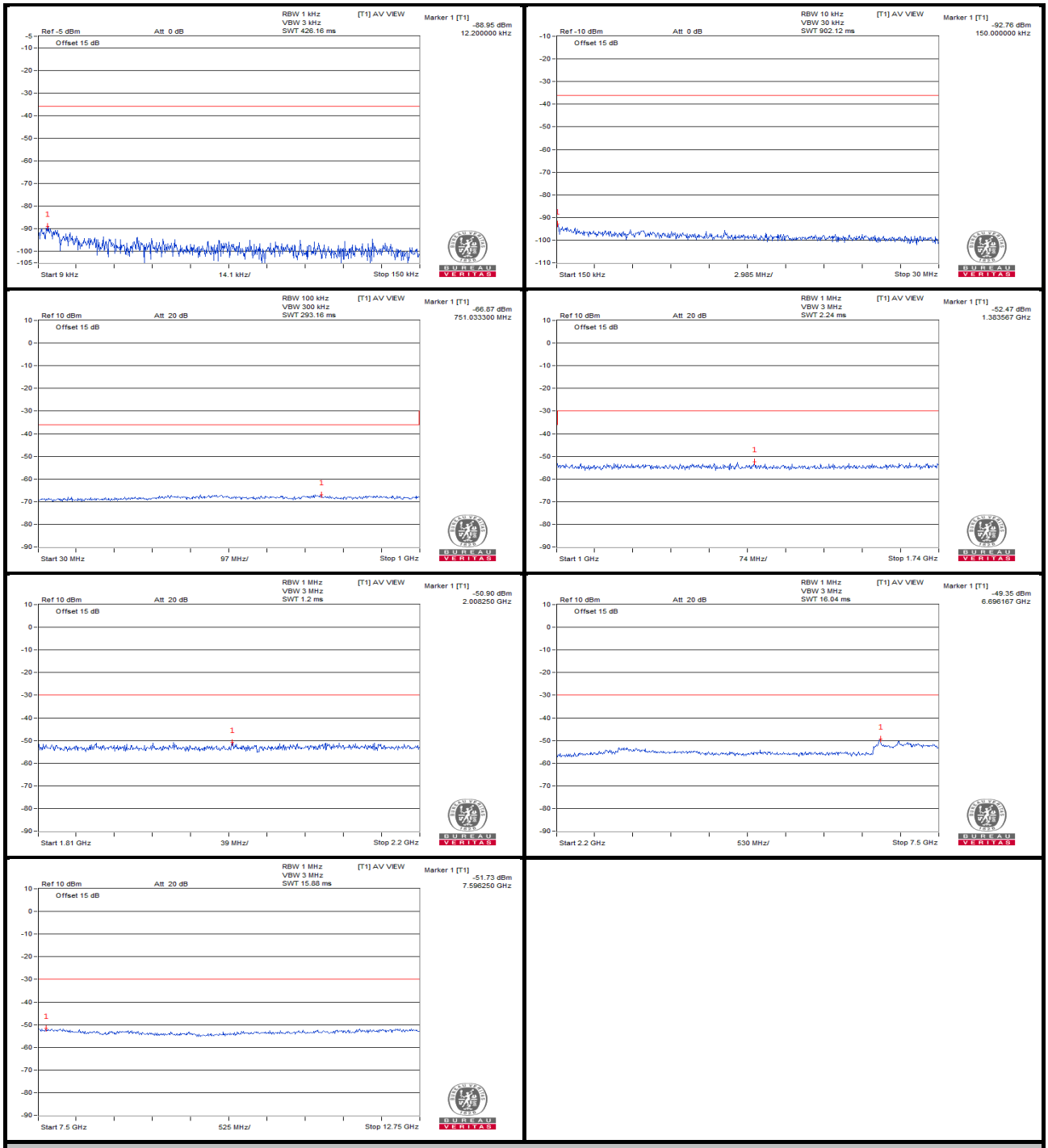
Modulation	Channel	Frequency Range (MHz)	Measurement Value	Limit	Pass / Fail
QPSK	19300	0.009MHz to 0.15MHz	-87.55	-36	PASS
		0.15MHz to 30MHz	-90.41	-36	PASS
		30MHz to 1000MHz	-66.84	-36	PASS
		1000MHz to 1685MHz	-52.09	-30	PASS
		1755MHz to 2200MHz	-51.02	-30	PASS
		2200MHz to 7500MHz	-49.44	-30	PASS
		7500MHz to 12750MHz	-51.34	-30	PASS
	19575	0.009MHz to 0.15MHz	-86.46	-36	PASS
		0.15MHz to 30MHz	-91.46	-36	PASS
		30MHz to 1000MHz	-67.00	-36	PASS
		1000MHz to 1712.5MHz	-52.55	-30	PASS
		1782.5MHz to 2200MHz	-50.75	-30	PASS
		2200MHz to 7500MHz	-49.90	-30	PASS
		7500MHz to 12750MHz	-51.11	-30	PASS
	19850	0.009MHz to 0.15MHz	-88.95	-36	PASS
		0.15MHz to 30MHz	-92.76	-36	PASS
		30MHz to 1000MHz	-66.87	-36	PASS
		1000MHz to 1740MHz	-52.47	-30	PASS
		1810MHz to 2200MHz	-50.90	-30	PASS
		2200MHz to 7500MHz	-49.35	-30	PASS
		7500MHz to 12750MHz	-51.73	-30	PASS


RBW 1 kHz
VBW 3 kHz
SWT 426.16 ms
[T1] AV VIEW
Marker 1 [T1]
-87.55 dBm
9.700000 kHz
Ref -5 dBm
Att 0 dB
Offset 15 dB
Start 9 kHz
14.1 kHz/
Stop 150 kHz
RBW 10 kHz
VBW 30 kHz
SWT 902.12 ms
[T1] AV VIEW
Marker 1 [T1]
-90.41 dBm
349.000000 kHz
Ref -10 dBm
Att 0 dB
Offset 15 dB
Start 150 kHz
2.985 MHz/
Stop 30 MHz
RBW 100 kHz
VBW 300 kHz
SWT 293.16 ms
[T1] AV VIEW
Marker 1 [T1]
-66.84 dBm
366.266600 MHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 30 MHz
97 MHz/
Stop 1 GHz
RBW 1 MHz
VBW 3 MHz
SWT 2.08 ms
[T1] AV VIEW
Marker 1 [T1]
-52.09 dBm
1.157550 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1 GHz
68.5 MHz/
Stop 1.685 GHz
RBW 1 MHz
VBW 3 MHz
SWT 1.36 ms
[T1] AV VIEW
Marker 1 [T1]
-51.02 dBm
2.131025 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1.755 GHz
44.5 MHz/
Stop 2.2 GHz
RBW 1 MHz
VBW 3 MHz
SWT 16.04 ms
[T1] AV VIEW
Marker 1 [T1]
-49.44 dBm
6.696167 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 2.2 GHz
530 MHz/
Stop 7.5 GHz
RBW 1 MHz
VBW 3 MHz
SWT 15.88 ms
[T1] AV VIEW
Marker 1 [T1]
-51.34 dBm
7.736250 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 7.5 GHz
525 MHz/
Stop 12.75 GHz

Ch 19300


RBW 1 kHz
VBW 3 kHz
SWT 426.16 ms
[T1] AV VIEW
Marker 1 [T1]
-86.46 dBm
9.000000 kHz
Ref -5 dBm
Att 0 dB
Offset 15 dB
Start 9 kHz
14.1 kHz/
Stop 150 kHz
RBW 10 kHz
VBW 30 kHz
SWT 902.12 ms
[T1] AV VIEW
Marker 1 [T1]
-91.46 dBm
349.000000 kHz
Ref -10 dBm
Att 0 dB
Offset 15 dB
Start 150 kHz
2.985 MHz/
Stop 30 MHz
RBW 100 kHz
VBW 300 kHz
SWT 293.16 ms
[T1] AV VIEW
Marker 1 [T1]
-67.00 dBm
885.216600 MHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 30 MHz
97 MHz/
Stop 1 GHz
RBW 1 MHz
VBW 3 MHz
SWT 2.16 ms
[T1] AV VIEW
Marker 1 [T1]
-52.55 dBm
1.635312 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1 GHz
71.25 MHz/
Stop 1.7125 GHz
RBW 1 MHz
VBW 3 MHz
SWT 1.28 ms
[T1] AV VIEW
Marker 1 [T1]
-50.75 dBm
1.842342 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1.7825 GHz
41.75 MHz/
Stop 2.2 GHz
RBW 1 MHz
VBW 3 MHz
SWT 16.04 ms
[T1] AV VIEW
Marker 1 [T1]
-49.90 dBm
6.705000 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 2.2 GHz
530 MHz/
Stop 7.5 GHz
RBW 1 MHz
VBW 3 MHz
SWT 15.88 ms
[T1] AV VIEW
Marker 1 [T1]
-51.11 dBm
7.613750 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 7.5 GHz
525 MHz/
Stop 12.75 GHz

Ch 19575

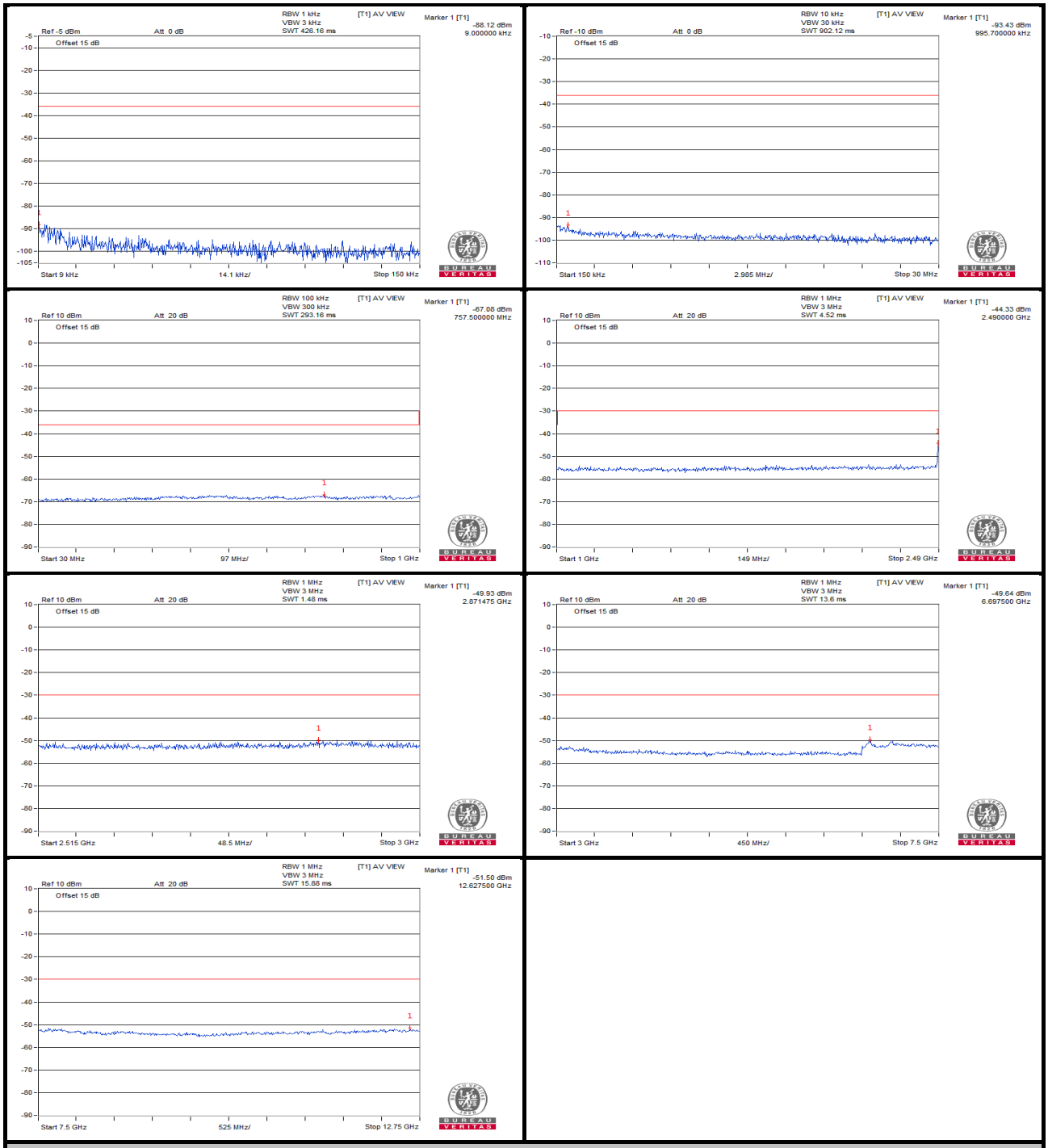

RBW 1 kHz
VBW 3 kHz
SWT 426.16 ms
[T1] AV VIEW
Marker 1 [T1]
-88.95 dBm
12.200000 kHz
Ref -5 dBm
Att 0 dB
Offset 15 dB
Start 9 kHz
14.1 kHz/
Stop 150 kHz
RBW 10 kHz
VBW 30 kHz
SWT 902.12 ms
[T1] AV VIEW
Marker 1 [T1]
-92.76 dBm
150.000000 kHz
Ref -10 dBm
Att 0 dB
Offset 15 dB
Start 150 kHz
2.985 MHz/
Stop 30 MHz
RBW 100 kHz
VBW 300 kHz
SWT 293.16 ms
[T1] AV VIEW
Marker 1 [T1]
-66.87 dBm
751.033300 MHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 30 MHz
97 MHz/
Stop 1 GHz
RBW 1 MHz
VBW 3 MHz
SWT 2.24 ms
[T1] AV VIEW
Marker 1 [T1]
-52.47 dBm
1.383567 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1 GHz
74 MHz/
Stop 1.74 GHz
RBW 1 MHz
VBW 3 MHz
SWT 1.2 ms
[T1] AV VIEW
Marker 1 [T1]
-50.90 dBm
2.008250 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1.81 GHz
39 MHz/
Stop 2.2 GHz
RBW 1 MHz
VBW 3 MHz
SWT 16.04 ms
[T1] AV VIEW
Marker 1 [T1]
-49.35 dBm
6.696167 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 2.2 GHz
530 MHz/
Stop 7.5 GHz
RBW 1 MHz
VBW 3 MHz
SWT 15.88 ms
[T1] AV VIEW
Marker 1 [T1]
-51.73 dBm
7.596250 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 7.5 GHz
525 MHz/
Stop 12.75 GHz

Ch 19850

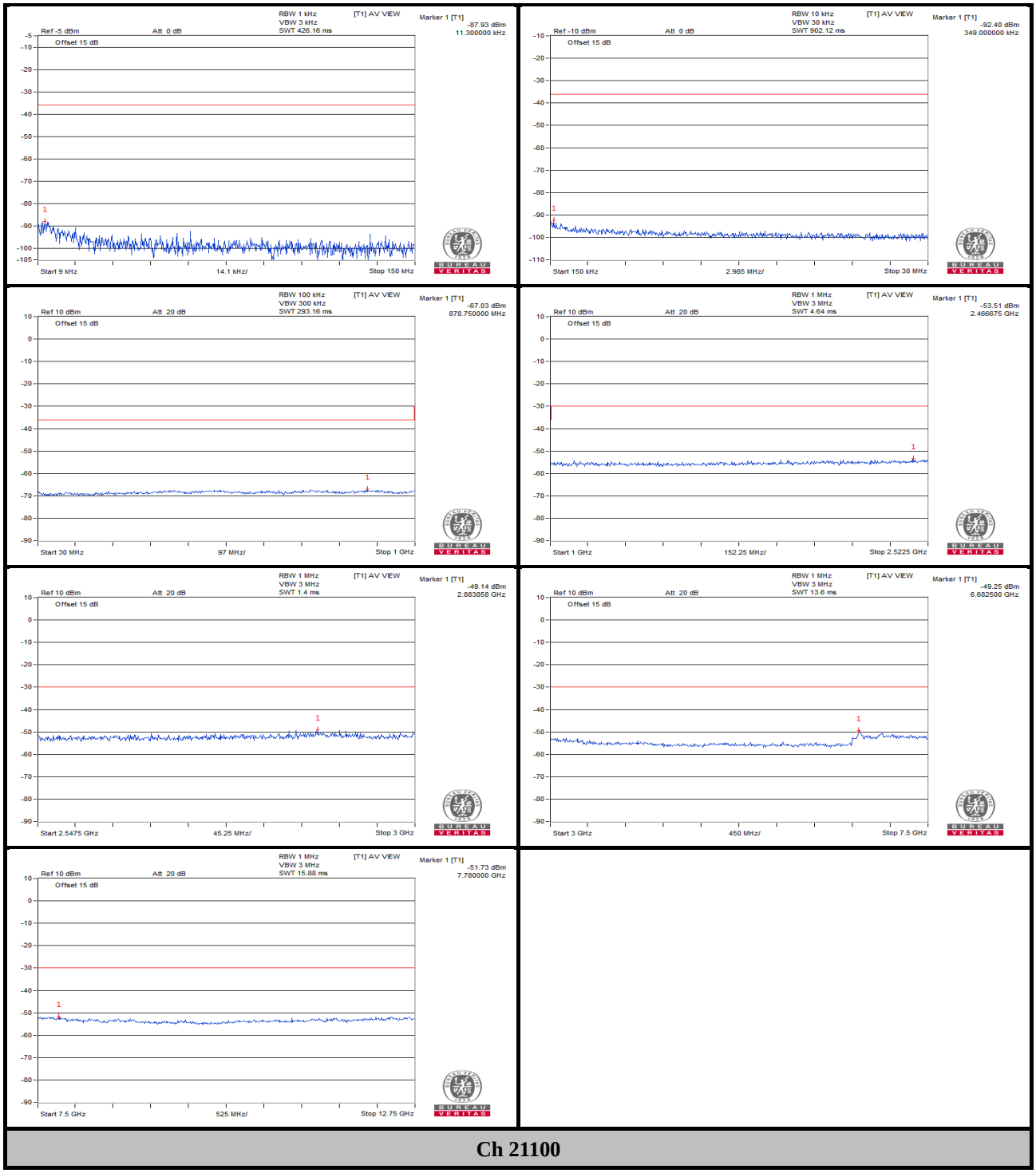
LTE Band 7

Bandwidth: 5 MHz / QPSK (1 RB / 0 RB Offset)

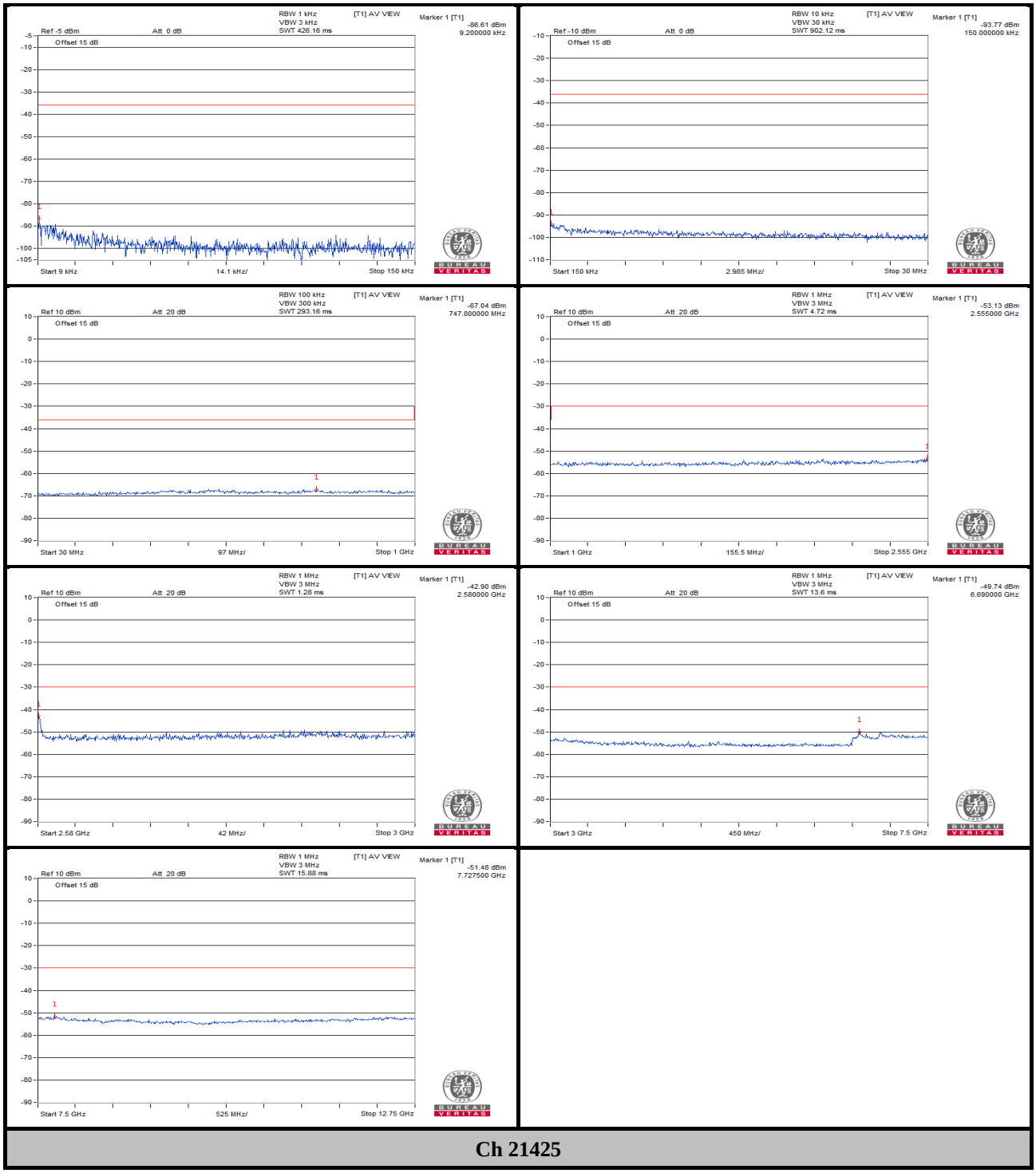
Modulation	Channel	Frequency Range (MHz)	Measurement Value	Limit	Pass / Fail
QPSK	20775	0.009MHz to 0.15MHz	-88.12	-36	PASS
		0.15MHz to 30MHz	-93.43	-36	PASS
		30MHz to 1000MHz	-67.08	-36	PASS
		1000MHz to 2490MHz	-44.33	-30	PASS
		2515MHz to 3000MHz	-49.93	-30	PASS
		3000MHz to 7500MHz	-49.64	-30	PASS
		7500MHz to 12750MHz	-51.50	-30	PASS
	21100	0.009MHz to 0.15MHz	-87.93	-36	PASS
		0.15MHz to 30MHz	-92.40	-36	PASS
		30MHz to 1000MHz	-67.03	-36	PASS
		1000MHz to 2522.5MHz	-53.51	-30	PASS
		2547.5MHz to 3000MHz	-49.14	-30	PASS
		3000MHz to 7500MHz	-49.25	-30	PASS
		7500MHz to 12750MHz	-51.73	-30	PASS
	21425	0.009MHz to 0.15MHz	-86.61	-36	PASS
		0.15MHz to 30MHz	-93.77	-36	PASS
		30MHz to 1000MHz	-67.04	-36	PASS
		1000MHz to 2555MHz	-53.13	-30	PASS
		2580MHz to 3000MHz	-42.90	-30	PASS
		3000MHz to 7500MHz	-49.74	-30	PASS
		7500MHz to 12750MHz	-51.48	-30	PASS


RBW 1 kHz
VBW 3 kHz
SWT 426.16 ms
[T1] AV VIEW
Marker 1 [T1]
-88.12 dBm
9.000000 kHz
Ref -5 dBm
Att 0 dB
Offset 15 dB
Start 9 kHz
14.1 kHz/
Stop 150 kHz
RBW 10 kHz
VBW 30 kHz
SWT 902.12 ms
[T1] AV VIEW
Marker 1 [T1]
-93.43 dBm
995.700000 kHz
Ref -10 dBm
Att 0 dB
Offset 15 dB
Start 150 kHz
2.985 MHz/
Stop 30 MHz
RBW 100 kHz
VBW 300 kHz
SWT 293.16 ms
[T1] AV VIEW
Marker 1 [T1]
-67.08 dBm
757.500000 MHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 30 MHz
97 MHz/
Stop 1 GHz
RBW 1 MHz
VBW 3 MHz
SWT 4.52 ms
[T1] AV VIEW
Marker 1 [T1]
-44.33 dBm
2.490000 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1 GHz
149 MHz/
Stop 2.49 GHz
RBW 1 MHz
VBW 3 MHz
SWT 1.48 ms
[T1] AV VIEW
Marker 1 [T1]
-49.93 dBm
2.671475 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 2.515 GHz
48.5 MHz/
Stop 3 GHz
RBW 1 MHz
VBW 3 MHz
SWT 13.6 ms
[T1] AV VIEW
Marker 1 [T1]
-49.64 dBm
6.697500 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 3 GHz
450 MHz/
Stop 7.5 GHz
RBW 1 MHz
VBW 3 MHz
SWT 15.88 ms
[T1] AV VIEW
Marker 1 [T1]
-51.50 dBm
12.627500 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 7.5 GHz
525 MHz/
Stop 12.75 GHz

Ch 20775


RBW 1 kHz
VBW 3 kHz
SWT 426.16 ms
[T1] AV VIEW
Marker 1 [T1]
-87.93 dBm
11.300000 kHz
Ref -5 dBm
Att 0 dB
Offset 15 dB
Start 9 kHz
14.1 kHz/
Stop 150 kHz
RBW 10 kHz
VBW 30 kHz
SWT 902.12 ms
[T1] AV VIEW
Marker 1 [T1]
-92.40 dBm
349.000000 kHz
Ref -10 dBm
Att 0 dB
Offset 15 dB
Start 150 kHz
2.985 MHz/
Stop 30 MHz
RBW 100 kHz
VBW 300 kHz
SWT 293.16 ms
[T1] AV VIEW
Marker 1 [T1]
-67.03 dBm
878.750000 MHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 30 MHz
97 MHz/
Stop 1 GHz
RBW 1 MHz
VBW 3 MHz
SWT 4.64 ms
[T1] AV VIEW
Marker 1 [T1]
-53.51 dBm
2.466675 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1 GHz
152.25 MHz/
Stop 2.5225 GHz
RBW 1 MHz
VBW 3 MHz
SWT 1.4 ms
[T1] AV VIEW
Marker 1 [T1]
-49.14 dBm
2.883858 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 2.5475 GHz
45.25 MHz/
Stop 3 GHz
RBW 1 MHz
VBW 3 MHz
SWT 13.6 ms
[T1] AV VIEW
Marker 1 [T1]
-49.25 dBm
6.682500 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 3 GHz
450 MHz/
Stop 7.5 GHz
RBW 1 MHz
VBW 3 MHz
SWT 15.88 ms
[T1] AV VIEW
Marker 1 [T1]
-51.73 dBm
7.780000 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 7.5 GHz
525 MHz/
Stop 12.75 GHz

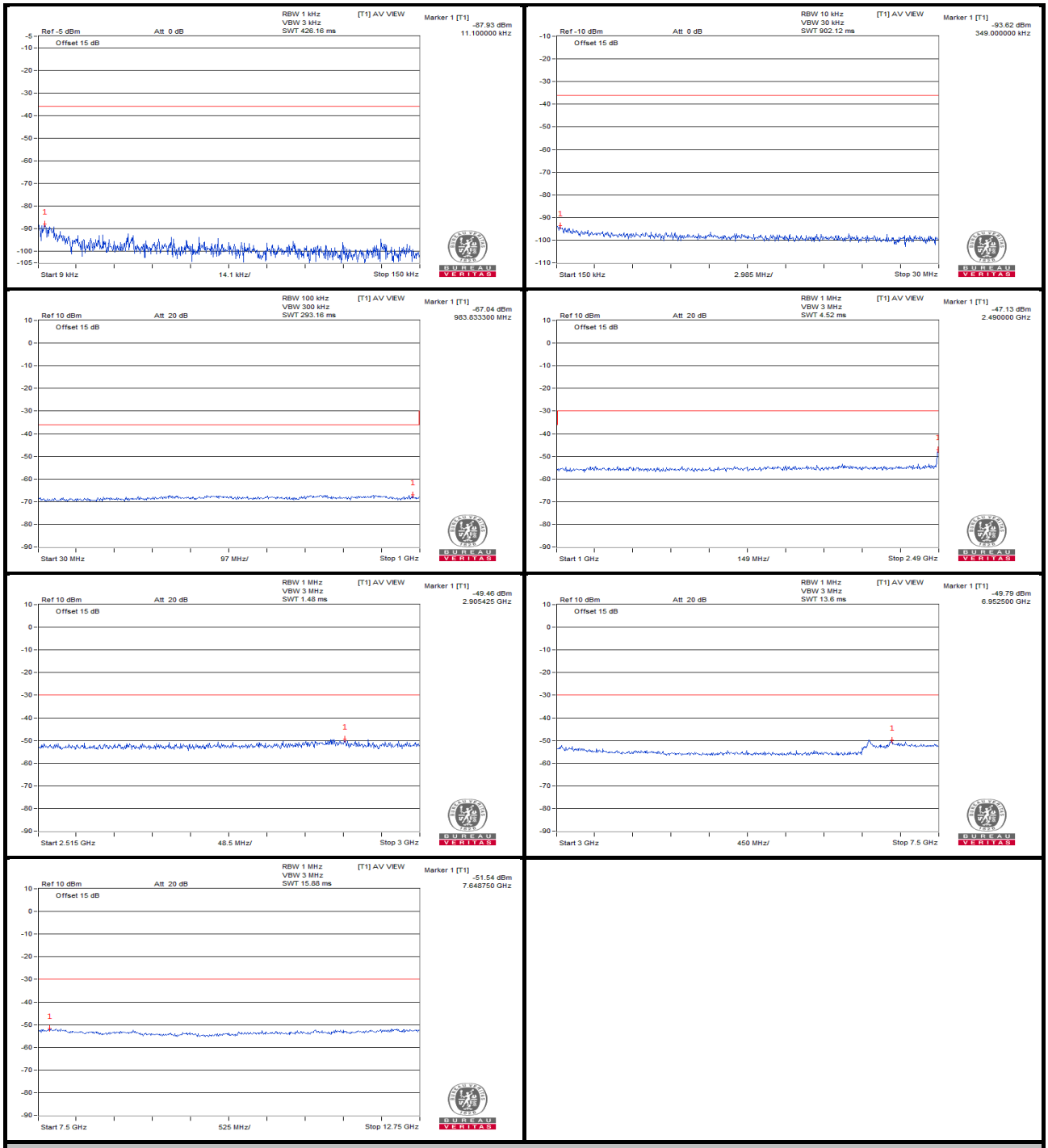
Ch 21100


RBW 1 kHz
VBW 3 kHz
SWT 426.16 ms
[T1] AV VIEW
Marker 1 [T1]
-86.61 dBm
9.200000 kHz
Ref -5 dBm
Att 0 dB
Offset 15 dB
Start 9 kHz
14.1 kHz/
Stop 150 kHz
RBW 10 kHz
VBW 30 kHz
SWT 902.12 ms
[T1] AV VIEW
Marker 1 [T1]
-93.77 dBm
150.000000 kHz
Ref -10 dBm
Att 0 dB
Offset 15 dB
Start 150 kHz
2.985 MHz/
Stop 30 MHz
RBW 100 kHz
VBW 300 kHz
SWT 293.16 ms
[T1] AV VIEW
Marker 1 [T1]
-67.04 dBm
747.800000 MHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 30 MHz
97 MHz/
Stop 1 GHz
RBW 1 MHz
VBW 3 MHz
SWT 4.72 ms
[T1] AV VIEW
Marker 1 [T1]
-53.13 dBm
2.555000 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1 GHz
155.5 MHz/
Stop 2.555 GHz
RBW 1 MHz
VBW 3 MHz
SWT 1.28 ms
[T1] AV VIEW
Marker 1 [T1]
-42.90 dBm
2.580000 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 2.58 GHz
42 MHz/
Stop 3 GHz
RBW 1 MHz
VBW 3 MHz
SWT 13.6 ms
[T1] AV VIEW
Marker 1 [T1]
-49.74 dBm
6.690000 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 3 GHz
450 MHz/
Stop 7.5 GHz
RBW 1 MHz
VBW 3 MHz
SWT 15.88 ms
[T1] AV VIEW
Marker 1 [T1]
-51.48 dBm
7.727500 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 7.5 GHz
525 MHz/
Stop 12.75 GHz

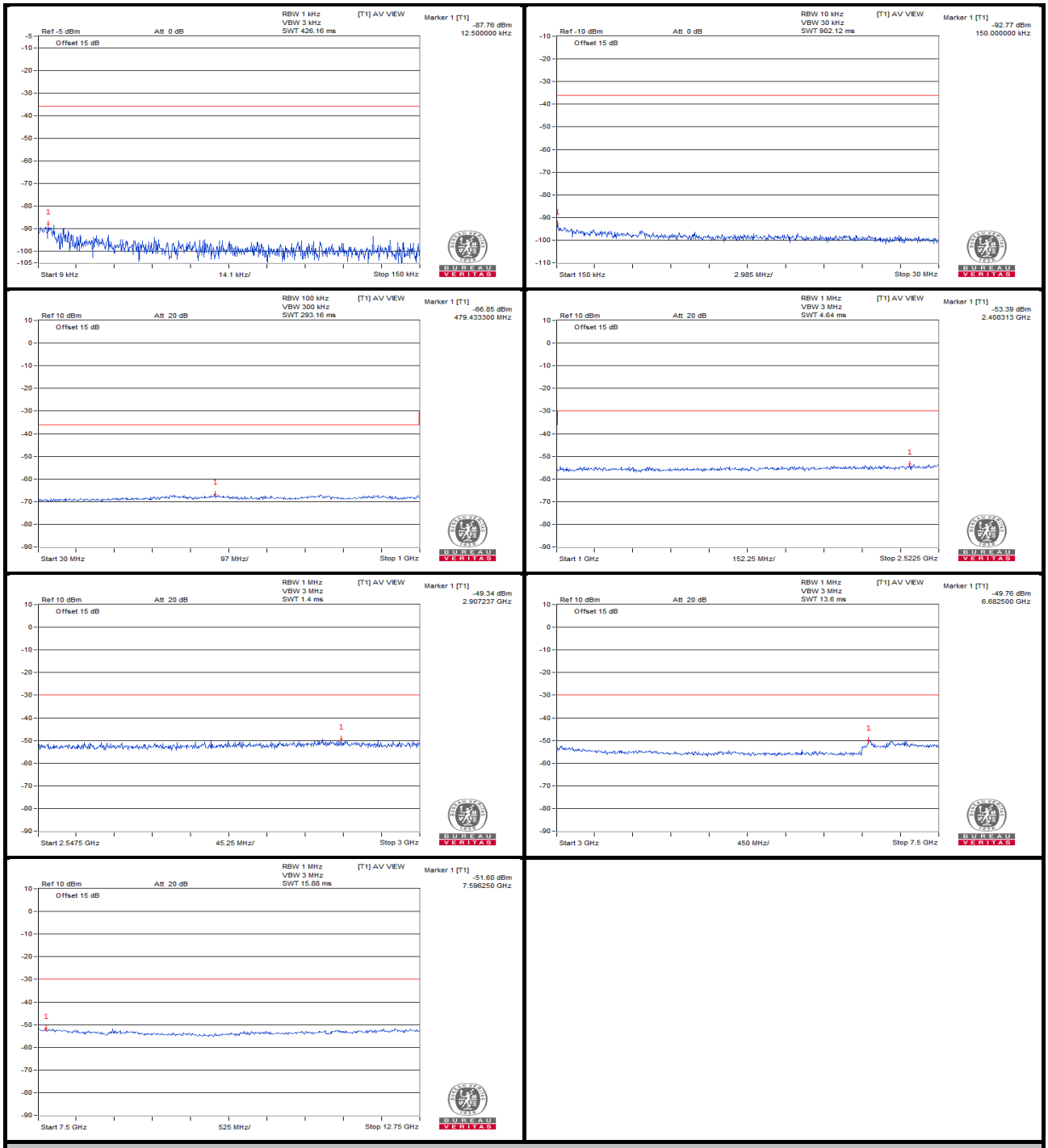
Ch 21425

Bandwidth: 5 MHz / QPSK (25 RB / 0 RB Offset)

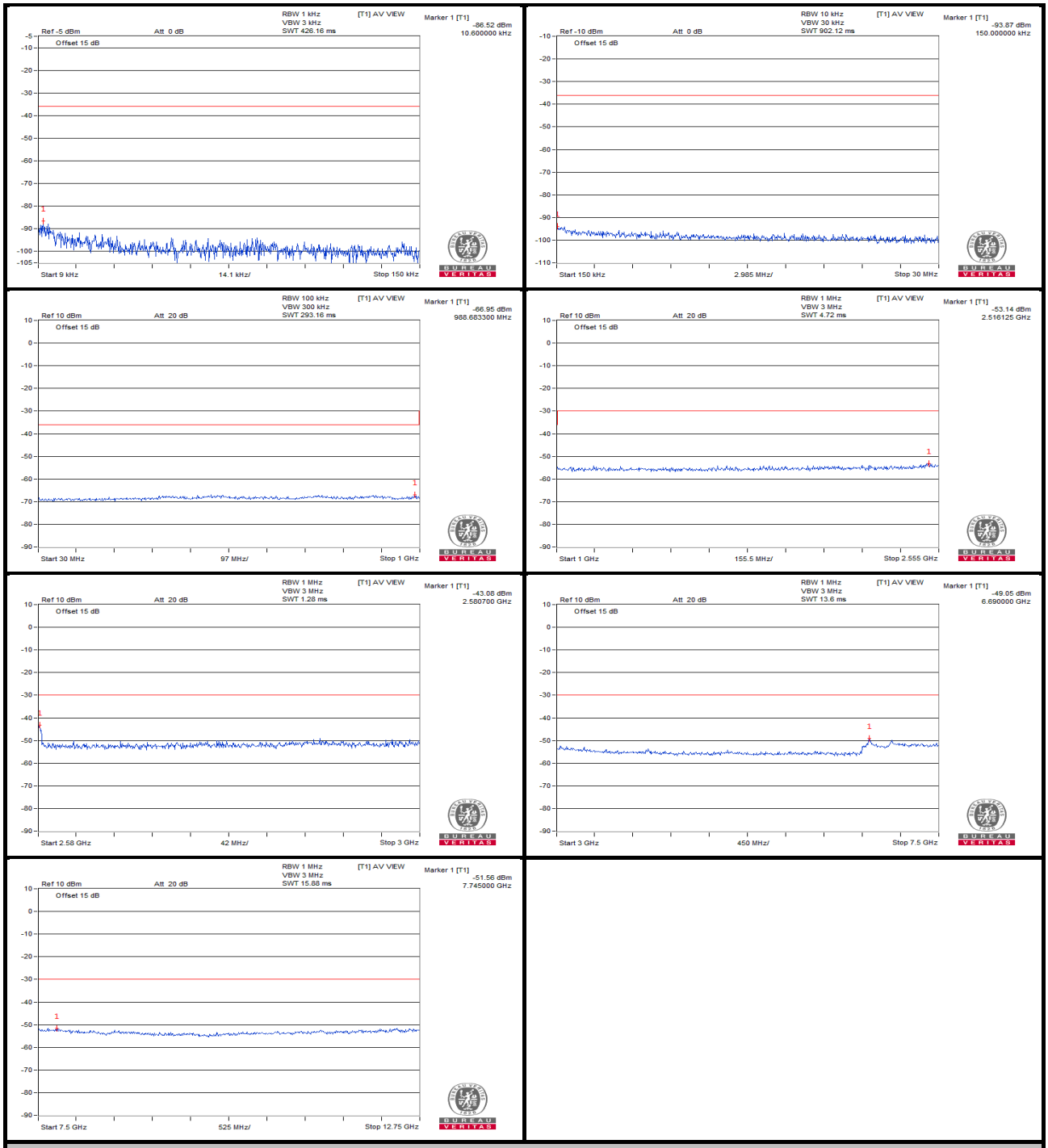
Modulation	Channel	Frequency Range (MHz)	Measurement Value	Limit	Pass / Fail
QPSK	20775	0.009MHz to 0.15MHz	-87.93	-36	PASS
		0.15MHz to 30MHz	-93.62	-36	PASS
		30MHz to 1000MHz	-67.04	-36	PASS
		1000MHz to 2490MHz	-47.13	-30	PASS
		2515MHz to 3000MHz	-49.46	-30	PASS
		3000MHz to 7500MHz	-49.79	-30	PASS
		7500MHz to 12750MHz	-51.54	-30	PASS
	21100	0.009MHz to 0.15MHz	-87.76	-36	PASS
		0.15MHz to 30MHz	-92.77	-36	PASS
		30MHz to 1000MHz	-66.85	-36	PASS
		1000MHz to 2522.5MHz	-53.39	-30	PASS
		2547.5MHz to 3000MHz	-49.34	-30	PASS
		3000MHz to 7500MHz	-49.76	-30	PASS
		7500MHz to 12750MHz	-51.60	-30	PASS
	21425	0.009MHz to 0.15MHz	-86.52	-36	PASS
		0.15MHz to 30MHz	-93.87	-36	PASS
		30MHz to 1000MHz	-66.95	-36	PASS
		1000MHz to 2555MHz	-53.14	-30	PASS
		2580MHz to 3000MHz	-43.08	-30	PASS
		3000MHz to 7500MHz	-49.05	-30	PASS
		7500MHz to 12750MHz	-51.56	-30	PASS


RBW 1 kHz
VBW 3 kHz
SWT 426.16 ms
[T1] AV VIEW
Marker 1 [T1]
-87.93 dBm
11.100000 kHz
Ref -5 dBm
Att 0 dB
Offset 15 dB
Start 9 kHz
14.1 kHz/
Stop 150 kHz
RBW 10 kHz
VBW 30 kHz
SWT 902.12 ms
[T1] AV VIEW
Marker 1 [T1]
-93.62 dBm
349.000000 kHz
Ref -10 dBm
Att 0 dB
Offset 15 dB
Start 150 kHz
2.985 MHz/
Stop 30 MHz
RBW 100 kHz
VBW 300 kHz
SWT 293.16 ms
[T1] AV VIEW
Marker 1 [T1]
-67.04 dBm
983.833300 MHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 30 MHz
97 MHz/
Stop 1 GHz
RBW 1 MHz
VBW 3 MHz
SWT 4.52 ms
[T1] AV VIEW
Marker 1 [T1]
-47.13 dBm
2.490000 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1 GHz
149 MHz/
Stop 2.49 GHz
RBW 1 MHz
VBW 3 MHz
SWT 1.48 ms
[T1] AV VIEW
Marker 1 [T1]
-49.46 dBm
2.905425 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 2.515 GHz
48.5 MHz/
Stop 3 GHz
RBW 1 MHz
VBW 3 MHz
SWT 13.6 ms
[T1] AV VIEW
Marker 1 [T1]
-49.79 dBm
6.952500 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 3 GHz
450 MHz/
Stop 7.5 GHz
RBW 1 MHz
VBW 3 MHz
SWT 15.88 ms
[T1] AV VIEW
Marker 1 [T1]
-51.54 dBm
7.648750 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 7.5 GHz
525 MHz/
Stop 12.75 GHz

Ch 20775


RBW 1 kHz
VBW 3 kHz
SWT 426.16 ms
[T1] AV VIEW
Marker 1 [T1]
-87.76 dBm
12.500000 kHz
Ref -5 dBm
Att 0 dB
Offset 15 dB
Start 9 kHz
14.1 kHz/
Stop 150 kHz
RBW 10 kHz
VBW 30 kHz
SWT 902.12 ms
[T1] AV VIEW
Marker 1 [T1]
-92.77 dBm
150.000000 kHz
Ref -10 dBm
Att 0 dB
Offset 15 dB
Start 150 kHz
2.985 MHz/
Stop 30 MHz
RBW 100 kHz
VBW 300 kHz
SWT 293.16 ms
[T1] AV VIEW
Marker 1 [T1]
-66.85 dBm
479.433300 MHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 30 MHz
97 MHz/
Stop 1 GHz
RBW 1 MHz
VBW 3 MHz
SWT 4.64 ms
[T1] AV VIEW
Marker 1 [T1]
-53.39 dBm
2.408313 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1 GHz
152.25 MHz/
Stop 2.5225 GHz
RBW 1 MHz
VBW 3 MHz
SWT 1.4 ms
[T1] AV VIEW
Marker 1 [T1]
-49.34 dBm
2.907237 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 2.5475 GHz
45.25 MHz/
Stop 3 GHz
RBW 1 MHz
VBW 3 MHz
SWT 13.6 ms
[T1] AV VIEW
Marker 1 [T1]
-49.76 dBm
6.682500 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 3 GHz
450 MHz/
Stop 7.5 GHz
RBW 1 MHz
VBW 3 MHz
SWT 15.88 ms
[T1] AV VIEW
Marker 1 [T1]
-51.60 dBm
7.596250 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 7.5 GHz
525 MHz/
Stop 12.75 GHz

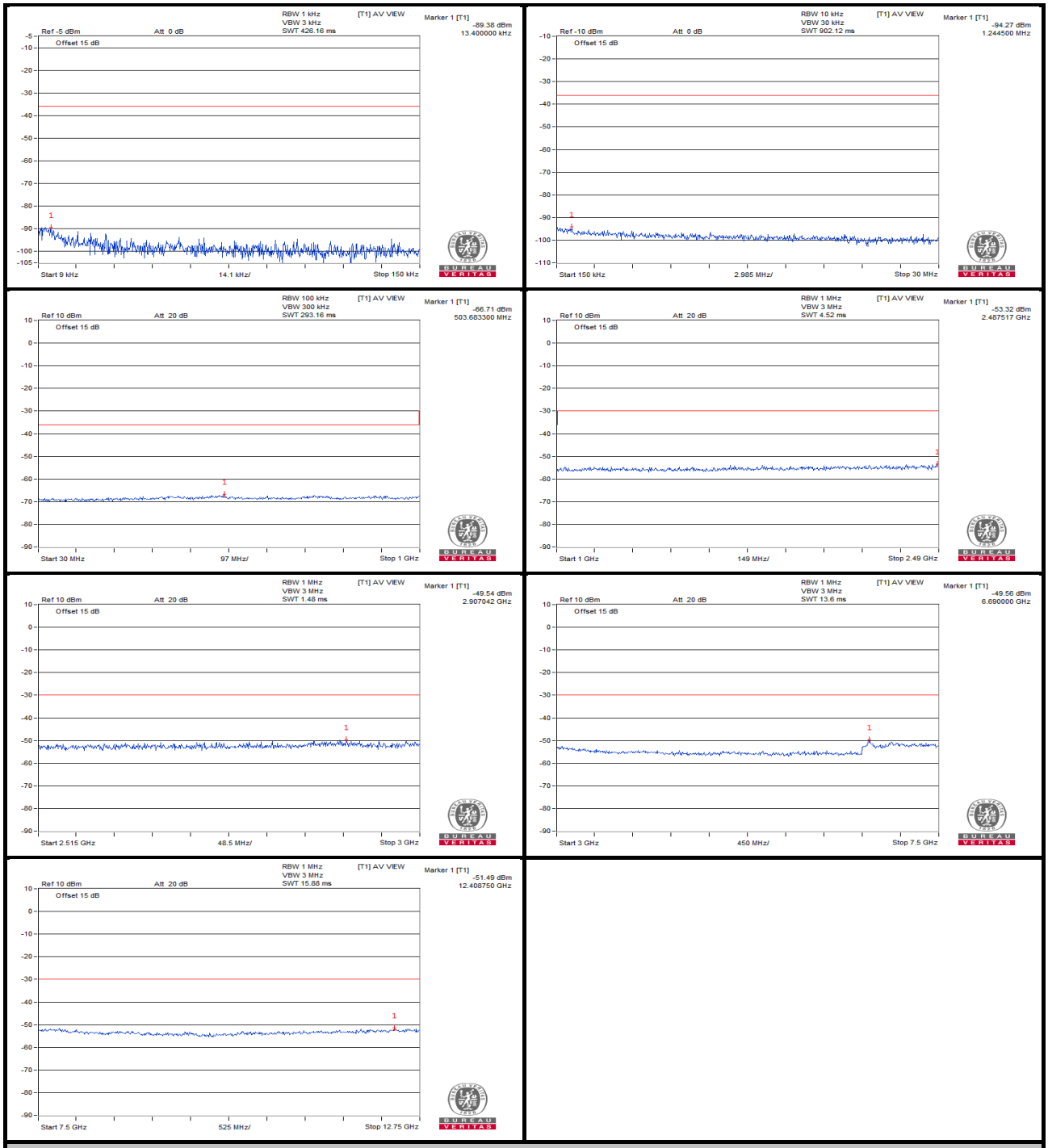
Ch 21100


RBW 1 kHz
VBW 3 kHz
SWT 426.16 ms
[T1] AV VIEW
Marker 1 [T1]
-86.52 dBm
10.600000 kHz
Ref -5 dBm
Att 0 dB
Offset 15 dB
Start 9 kHz
14.1 kHz/
Stop 150 kHz
RBW 10 kHz
VBW 30 kHz
SWT 902.12 ms
[T1] AV VIEW
Marker 1 [T1]
-93.87 dBm
150.000000 kHz
Ref -10 dBm
Att 0 dB
Offset 15 dB
Start 150 kHz
2.985 MHz/
Stop 30 MHz
RBW 100 kHz
VBW 300 kHz
SWT 293.16 ms
[T1] AV VIEW
Marker 1 [T1]
-66.95 dBm
988.683300 MHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 30 MHz
97 MHz/
Stop 1 GHz
RBW 1 MHz
VBW 3 MHz
SWT 4.72 ms
[T1] AV VIEW
Marker 1 [T1]
-53.14 dBm
2.516125 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1 GHz
155.5 MHz/
Stop 2.555 GHz
RBW 1 MHz
VBW 3 MHz
SWT 1.28 ms
[T1] AV VIEW
Marker 1 [T1]
-43.08 dBm
2.580700 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 2.58 GHz
42 MHz/
Stop 3 GHz
RBW 1 MHz
VBW 3 MHz
SWT 13.6 ms
[T1] AV VIEW
Marker 1 [T1]
-49.05 dBm
6.690000 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 3 GHz
450 MHz/
Stop 7.5 GHz
RBW 1 MHz
VBW 3 MHz
SWT 15.88 ms
[T1] AV VIEW
Marker 1 [T1]
-51.56 dBm
7.745000 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 7.5 GHz
525 MHz/
Stop 12.75 GHz

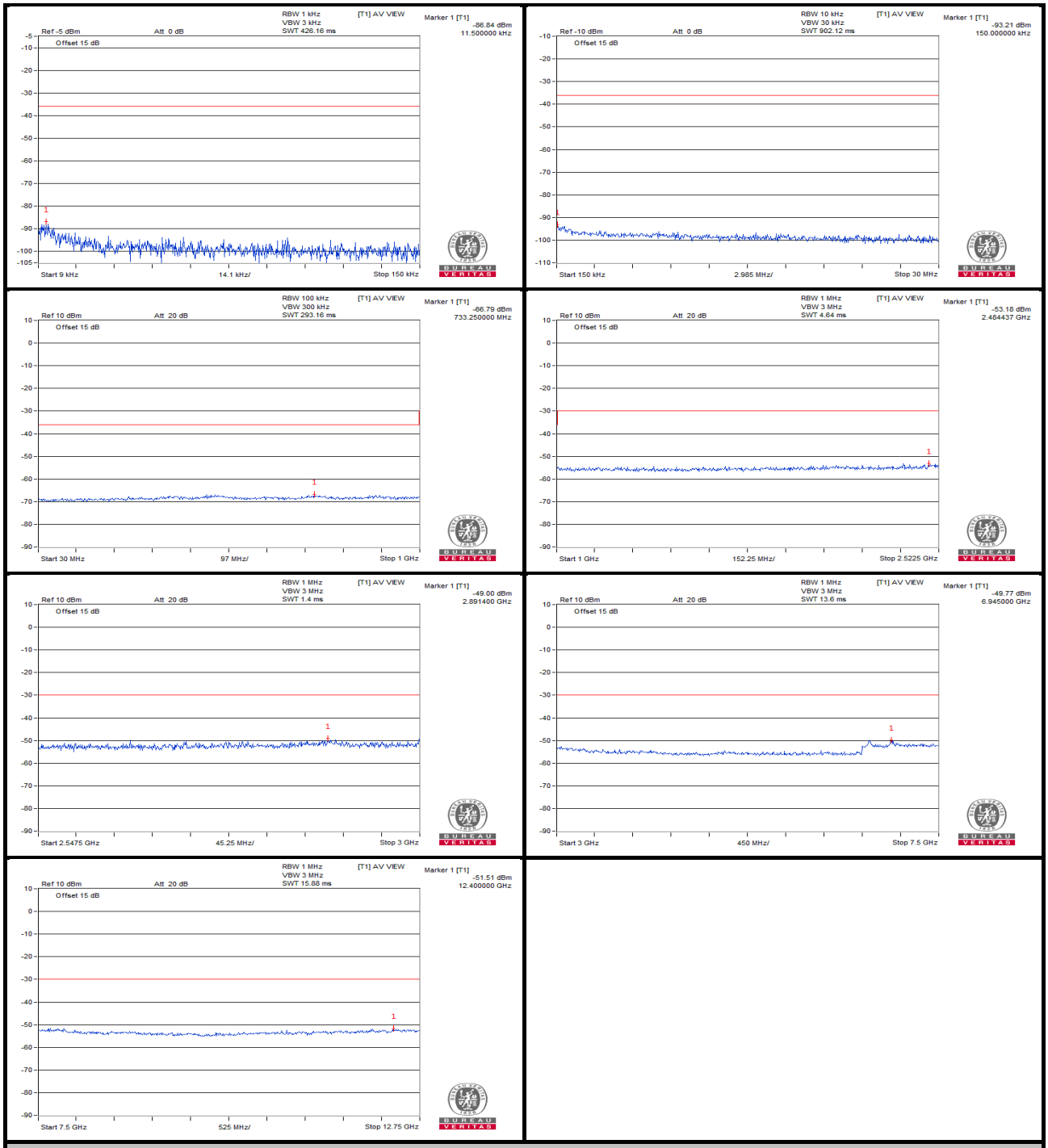
Ch 21425

Bandwidth: 5 MHz / QPSK (1 RB / 24 RB Offset)

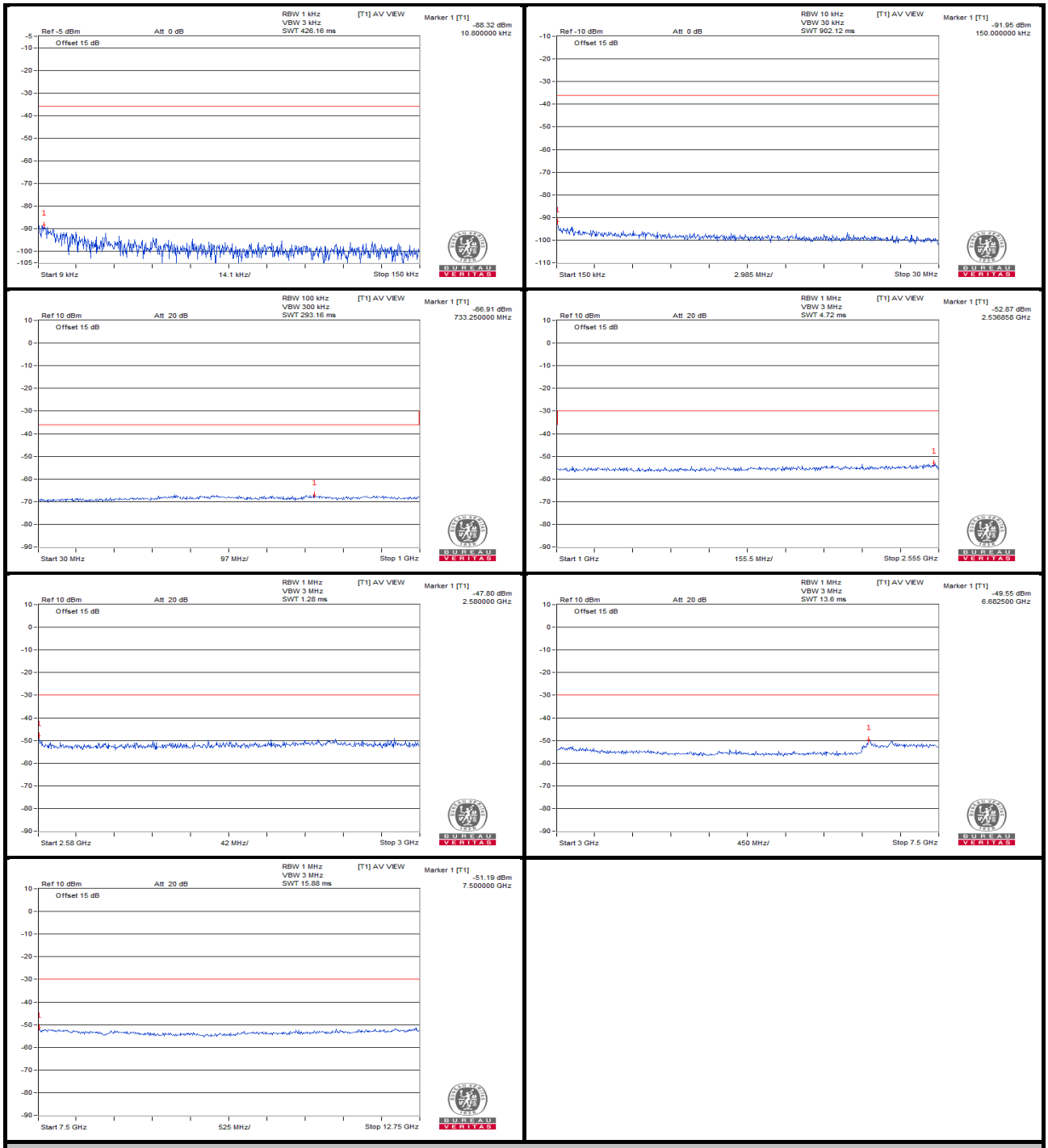
Modulation	Channel	Frequency Range (MHz)	Measurement Value	Limit	Pass / Fail
QPSK	20775	0.009MHz to 0.15MHz	-89.38	-36	PASS
		0.15MHz to 30MHz	-94.27	-36	PASS
		30MHz to 1000MHz	-66.71	-36	PASS
		1000MHz to 2490MHz	-53.32	-30	PASS
		2515MHz to 3000MHz	-49.54	-30	PASS
		3000MHz to 7500MHz	-49.56	-30	PASS
		7500MHz to 12750MHz	-51.49	-30	PASS
	21100	0.009MHz to 0.15MHz	-86.84	-36	PASS
		0.15MHz to 30MHz	-93.21	-36	PASS
		30MHz to 1000MHz	-66.79	-36	PASS
		1000MHz to 2522.5MHz	-53.18	-30	PASS
		2547.5MHz to 3000MHz	-49.00	-30	PASS
		3000MHz to 7500MHz	-49.77	-30	PASS
		7500MHz to 12750MHz	-51.51	-30	PASS
	21425	0.009MHz to 0.15MHz	-88.32	-36	PASS
		0.15MHz to 30MHz	-91.95	-36	PASS
		30MHz to 1000MHz	-66.91	-36	PASS
		1000MHz to 2555MHz	-52.87	-30	PASS
		2580MHz to 3000MHz	-47.80	-30	PASS
		3000MHz to 7500MHz	-49.55	-30	PASS
		7500MHz to 12750MHz	-51.19	-30	PASS


RBW 1 kHz
VBW 3 kHz
SWT 426.16 ms
[T1] AV VIEW
Marker 1 [T1]
-89.38 dBm
13.400000 kHz
Ref -5 dBm
Att 0 dB
Offset 15 dB
Start 9 kHz
14.1 kHz/
Stop 150 kHz
RBW 10 kHz
VBW 30 kHz
SWT 902.12 ms
[T1] AV VIEW
Marker 1 [T1]
-94.27 dBm
1.244500 MHz
Ref -10 dBm
Att 0 dB
Offset 15 dB
Start 150 kHz
2.985 MHz/
Stop 30 MHz
RBW 100 kHz
VBW 300 kHz
SWT 293.16 ms
[T1] AV VIEW
Marker 1 [T1]
-66.71 dBm
503.683300 MHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 30 MHz
97 MHz/
Stop 1 GHz
RBW 1 MHz
VBW 3 MHz
SWT 4.52 ms
[T1] AV VIEW
Marker 1 [T1]
-53.32 dBm
2.487517 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1 GHz
149 MHz/
Stop 2.49 GHz
RBW 1 MHz
VBW 3 MHz
SWT 1.48 ms
[T1] AV VIEW
Marker 1 [T1]
-49.54 dBm
2.907042 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 2.515 GHz
48.5 MHz/
Stop 3 GHz
RBW 1 MHz
VBW 3 MHz
SWT 13.6 ms
[T1] AV VIEW
Marker 1 [T1]
-49.56 dBm
6.690000 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 3 GHz
450 MHz/
Stop 7.5 GHz
RBW 1 MHz
VBW 3 MHz
SWT 15.88 ms
[T1] AV VIEW
Marker 1 [T1]
-51.49 dBm
12.408750 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 7.5 GHz
525 MHz/
Stop 12.75 GHz

Ch 20775


RBW 1 kHz
VBW 3 kHz
SWT 426.16 ms
[T1] AV VIEW
Marker 1 [T1]
-86.84 dBm
11.500000 kHz
Ref -5 dBm
Att 0 dB
Offset 15 dB
Start 9 kHz
14.1 kHz/
Stop 150 kHz
RBW 10 kHz
VBW 30 kHz
SWT 902.12 ms
[T1] AV VIEW
Marker 1 [T1]
-93.21 dBm
150.000000 kHz
Ref -10 dBm
Att 0 dB
Offset 15 dB
Start 150 kHz
2.985 MHz/
Stop 30 MHz
RBW 100 kHz
VBW 300 kHz
SWT 293.16 ms
[T1] AV VIEW
Marker 1 [T1]
-66.79 dBm
733.250000 MHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 30 MHz
97 MHz/
Stop 1 GHz
RBW 1 MHz
VBW 3 MHz
SWT 4.64 ms
[T1] AV VIEW
Marker 1 [T1]
-53.18 dBm
2.484437 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1 GHz
152.25 MHz/
Stop 2.5225 GHz
RBW 1 MHz
VBW 3 MHz
SWT 1.4 ms
[T1] AV VIEW
Marker 1 [T1]
-49.00 dBm
2.891400 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 2.5475 GHz
45.25 MHz/
Stop 3 GHz
RBW 1 MHz
VBW 3 MHz
SWT 13.6 ms
[T1] AV VIEW
Marker 1 [T1]
-49.77 dBm
6.945000 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 3 GHz
450 MHz/
Stop 7.5 GHz
RBW 1 MHz
VBW 3 MHz
SWT 15.88 ms
[T1] AV VIEW
Marker 1 [T1]
-51.51 dBm
12.400000 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 7.5 GHz
525 MHz/
Stop 12.75 GHz

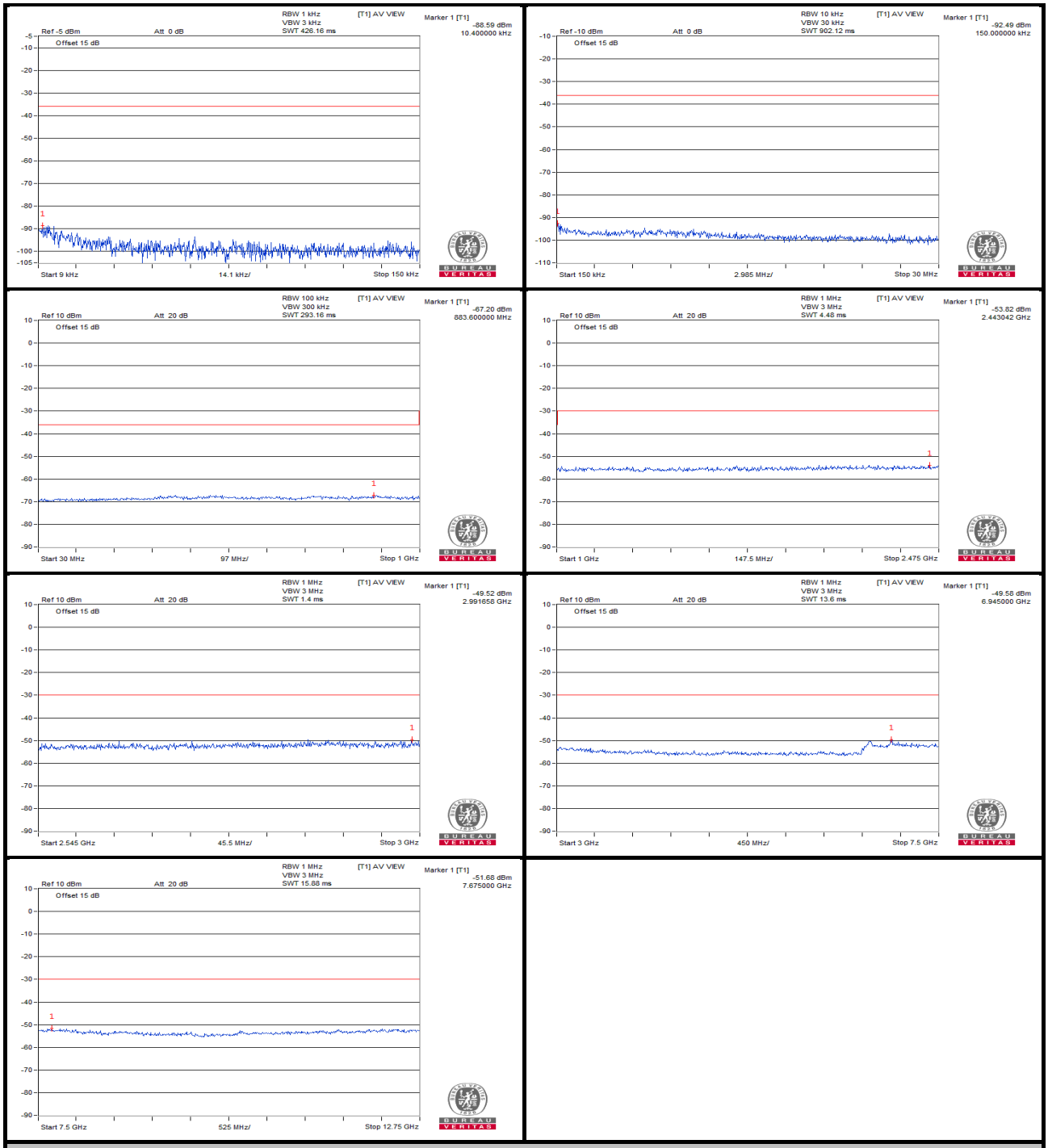
Ch 21100


RBW 1 kHz
VBW 3 kHz
SWT 426.16 ms
[T1] AV VIEW
Marker 1 [T1]
-88.32 dBm
10.800000 kHz
Ref -5 dBm
Att 0 dB
Offset 15 dB
Start 9 kHz
14.1 kHz/
Stop 150 kHz
RBW 10 kHz
VBW 30 kHz
SWT 902.12 ms
[T1] AV VIEW
Marker 1 [T1]
-91.95 dBm
150.000000 kHz
Ref -10 dBm
Att 0 dB
Offset 15 dB
Start 150 kHz
2.985 MHz/
Stop 30 MHz
RBW 100 kHz
VBW 300 kHz
SWT 293.16 ms
[T1] AV VIEW
Marker 1 [T1]
-66.91 dBm
733.250000 MHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 30 MHz
97 MHz/
Stop 1 GHz
RBW 1 MHz
VBW 3 MHz
SWT 4.72 ms
[T1] AV VIEW
Marker 1 [T1]
-52.87 dBm
2.536858 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1 GHz
155.5 MHz/
Stop 2.555 GHz
RBW 1 MHz
VBW 3 MHz
SWT 1.28 ms
[T1] AV VIEW
Marker 1 [T1]
-47.80 dBm
2.580000 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 2.58 GHz
42 MHz/
Stop 3 GHz
RBW 1 MHz
VBW 3 MHz
SWT 13.6 ms
[T1] AV VIEW
Marker 1 [T1]
-49.55 dBm
6.682500 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 3 GHz
450 MHz/
Stop 7.5 GHz
RBW 1 MHz
VBW 3 MHz
SWT 15.88 ms
[T1] AV VIEW
Marker 1 [T1]
-51.19 dBm
7.500000 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 7.5 GHz
525 MHz/
Stop 12.75 GHz

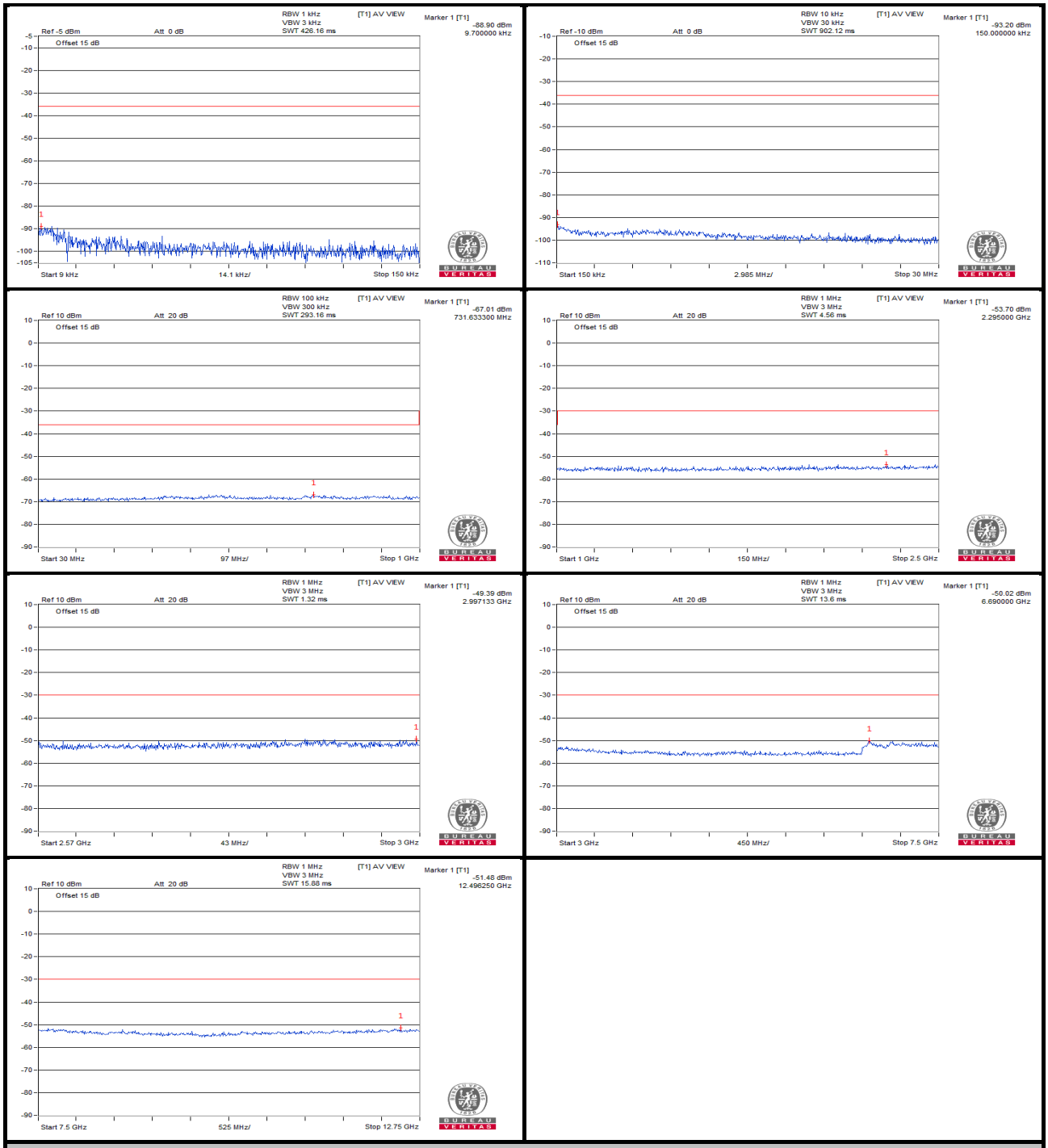
Ch 21425

Bandwidth: 20 MHz / QPSK (1 RB / 0 RB Offset)

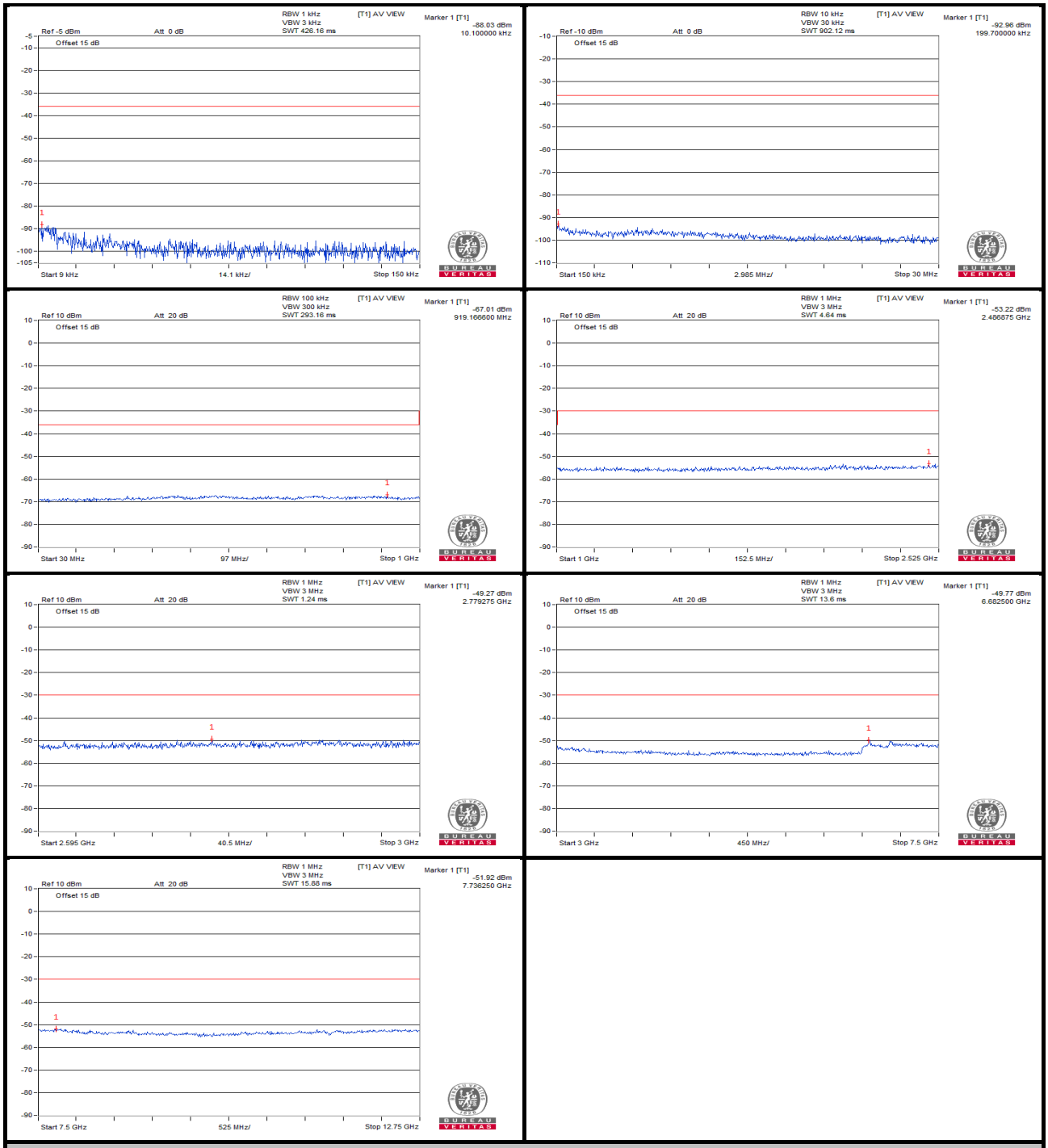
Modulation	Channel	Frequency Range (MHz)	Measurement Value	Limit	Pass / Fail
QPSK	20850	0.009MHz to 0.15MHz	-88.59	-36	PASS
		0.15MHz to 30MHz	-92.49	-36	PASS
		30MHz to 1000MHz	-67.20	-36	PASS
		1000MHz to 2475MHz	-53.82	-30	PASS
		2545MHz to 3000MHz	-49.52	-30	PASS
		3000MHz to 7500MHz	-49.58	-30	PASS
		7500MHz to 12750MHz	-51.68	-30	PASS
	21100	0.009MHz to 0.15MHz	-88.90	-36	PASS
		0.15MHz to 30MHz	-93.20	-36	PASS
		30MHz to 1000MHz	-67.01	-36	PASS
		1000MHz to 2500MHz	-53.70	-30	PASS
		2570MHz to 3000MHz	-49.39	-30	PASS
		3000MHz to 7500MHz	-50.02	-30	PASS
		7500MHz to 12750MHz	-51.48	-30	PASS
	21350	0.009MHz to 0.15MHz	-88.03	-36	PASS
		0.15MHz to 30MHz	-92.96	-36	PASS
		30MHz to 1000MHz	-67.01	-36	PASS
		1000MHz to 2525MHz	-53.22	-30	PASS
		2595MHz to 3000MHz	-49.27	-30	PASS
		3000MHz to 7500MHz	-49.77	-30	PASS
		7500MHz to 12750MHz	-51.92	-30	PASS


RBW 1 kHz
VBW 3 kHz
SWT 426.16 ms
[T1] AV VIEW
Marker 1 [T1]
-88.59 dBm
10.400000 kHz
Ref -5 dBm
Att 0 dB
Offset 15 dB
Start 9 kHz
14.1 kHz/
Stop 150 kHz
RBW 10 kHz
VBW 30 kHz
SWT 902.12 ms
[T1] AV VIEW
Marker 1 [T1]
-92.49 dBm
150.000000 kHz
Ref -10 dBm
Att 0 dB
Offset 15 dB
Start 150 kHz
2.985 MHz/
Stop 30 MHz
RBW 100 kHz
VBW 300 kHz
SWT 293.16 ms
[T1] AV VIEW
Marker 1 [T1]
-67.20 dBm
883.600000 MHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 30 MHz
97 MHz/
Stop 1 GHz
RBW 1 MHz
VBW 3 MHz
SWT 4.48 ms
[T1] AV VIEW
Marker 1 [T1]
-53.82 dBm
2.443042 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1 GHz
147.5 MHz/
Stop 2.475 GHz
RBW 1 MHz
VBW 3 MHz
SWT 1.4 ms
[T1] AV VIEW
Marker 1 [T1]
-49.52 dBm
2.991658 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 2.545 GHz
45.5 MHz/
Stop 3 GHz
RBW 1 MHz
VBW 3 MHz
SWT 13.6 ms
[T1] AV VIEW
Marker 1 [T1]
-49.58 dBm
6.945000 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 3 GHz
450 MHz/
Stop 7.5 GHz
RBW 1 MHz
VBW 3 MHz
SWT 15.88 ms
[T1] AV VIEW
Marker 1 [T1]
-51.68 dBm
7.675000 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 7.5 GHz
525 MHz/
Stop 12.75 GHz

Ch 20850


RBW 1 kHz
VBW 3 kHz
SWT 426.16 ms
[T1] AV VIEW
Marker 1 [T1]
-88.90 dBm
9.700000 kHz
Ref -5 dBm
Att 0 dB
Offset 15 dB
Start 9 kHz
14.1 kHz/
Stop 150 kHz
RBW 10 kHz
VBW 30 kHz
SWT 902.12 ms
[T1] AV VIEW
Marker 1 [T1]
-93.20 dBm
150.000000 kHz
Ref -10 dBm
Att 0 dB
Offset 15 dB
Start 150 kHz
2.985 MHz/
Stop 30 MHz
RBW 100 kHz
VBW 300 kHz
SWT 293.16 ms
[T1] AV VIEW
Marker 1 [T1]
-67.01 dBm
731.633300 MHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 30 MHz
97 MHz/
Stop 1 GHz
RBW 1 MHz
VBW 3 MHz
SWT 4.56 ms
[T1] AV VIEW
Marker 1 [T1]
-53.70 dBm
2.295000 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1 GHz
150 MHz/
Stop 2.5 GHz
RBW 1 MHz
VBW 3 MHz
SWT 1.32 ms
[T1] AV VIEW
Marker 1 [T1]
-49.39 dBm
2.997133 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 2.57 GHz
43 MHz/
Stop 3 GHz
RBW 1 MHz
VBW 3 MHz
SWT 13.6 ms
[T1] AV VIEW
Marker 1 [T1]
-50.02 dBm
6.690000 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 3 GHz
450 MHz/
Stop 7.5 GHz
RBW 1 MHz
VBW 3 MHz
SWT 15.88 ms
[T1] AV VIEW
Marker 1 [T1]
-51.48 dBm
12.496250 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 7.5 GHz
525 MHz/
Stop 12.75 GHz

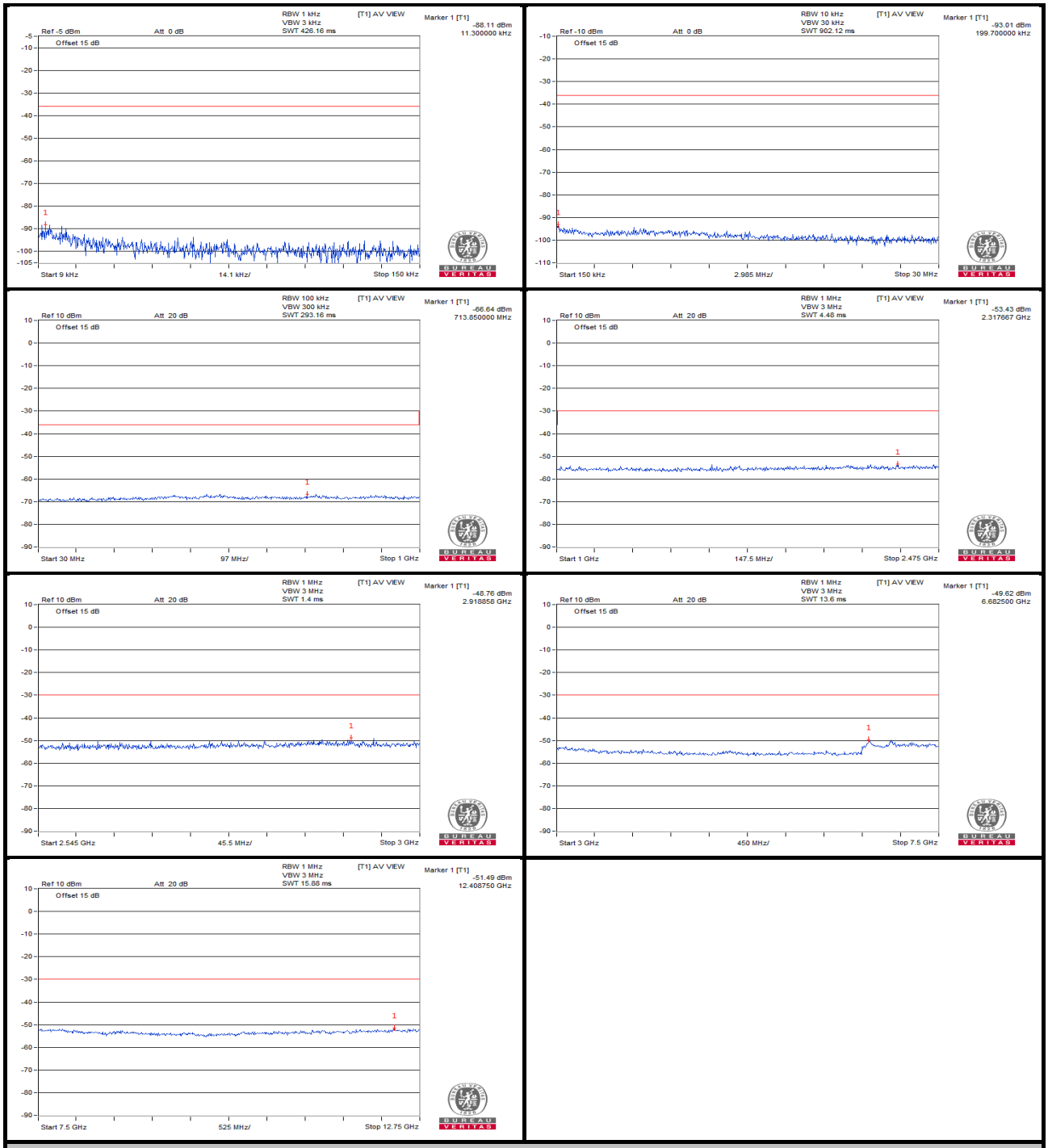
Ch 21100


RBW 1 kHz
VBW 3 kHz
SWT 426.16 ms
[T1] AV VIEW
Marker 1 [T1]
-88.03 dBm
10.100000 kHz
Ref -5 dBm
Att 0 dB
Offset 15 dB
Start 9 kHz
14.1 kHz/
Stop 150 kHz
RBW 10 kHz
VBW 30 kHz
SWT 902.12 ms
[T1] AV VIEW
Marker 1 [T1]
-92.96 dBm
199.700000 kHz
Ref -10 dBm
Att 0 dB
Offset 15 dB
Start 150 kHz
2.985 MHz/
Stop 30 MHz
RBW 100 kHz
VBW 300 kHz
SWT 293.16 ms
[T1] AV VIEW
Marker 1 [T1]
-67.01 dBm
919.166600 MHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 30 MHz
97 MHz/
Stop 1 GHz
RBW 1 MHz
VBW 3 MHz
SWT 4.64 ms
[T1] AV VIEW
Marker 1 [T1]
-53.22 dBm
2.486875 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1 GHz
152.5 MHz/
Stop 2.525 GHz
RBW 1 MHz
VBW 3 MHz
SWT 1.24 ms
[T1] AV VIEW
Marker 1 [T1]
-49.27 dBm
2.779275 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 2.595 GHz
40.5 MHz/
Stop 3 GHz
RBW 1 MHz
VBW 3 MHz
SWT 13.6 ms
[T1] AV VIEW
Marker 1 [T1]
-49.77 dBm
6.682500 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 3 GHz
450 MHz/
Stop 7.5 GHz
RBW 1 MHz
VBW 3 MHz
SWT 15.88 ms
[T1] AV VIEW
Marker 1 [T1]
-51.92 dBm
7.736250 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 7.5 GHz
525 MHz/
Stop 12.75 GHz

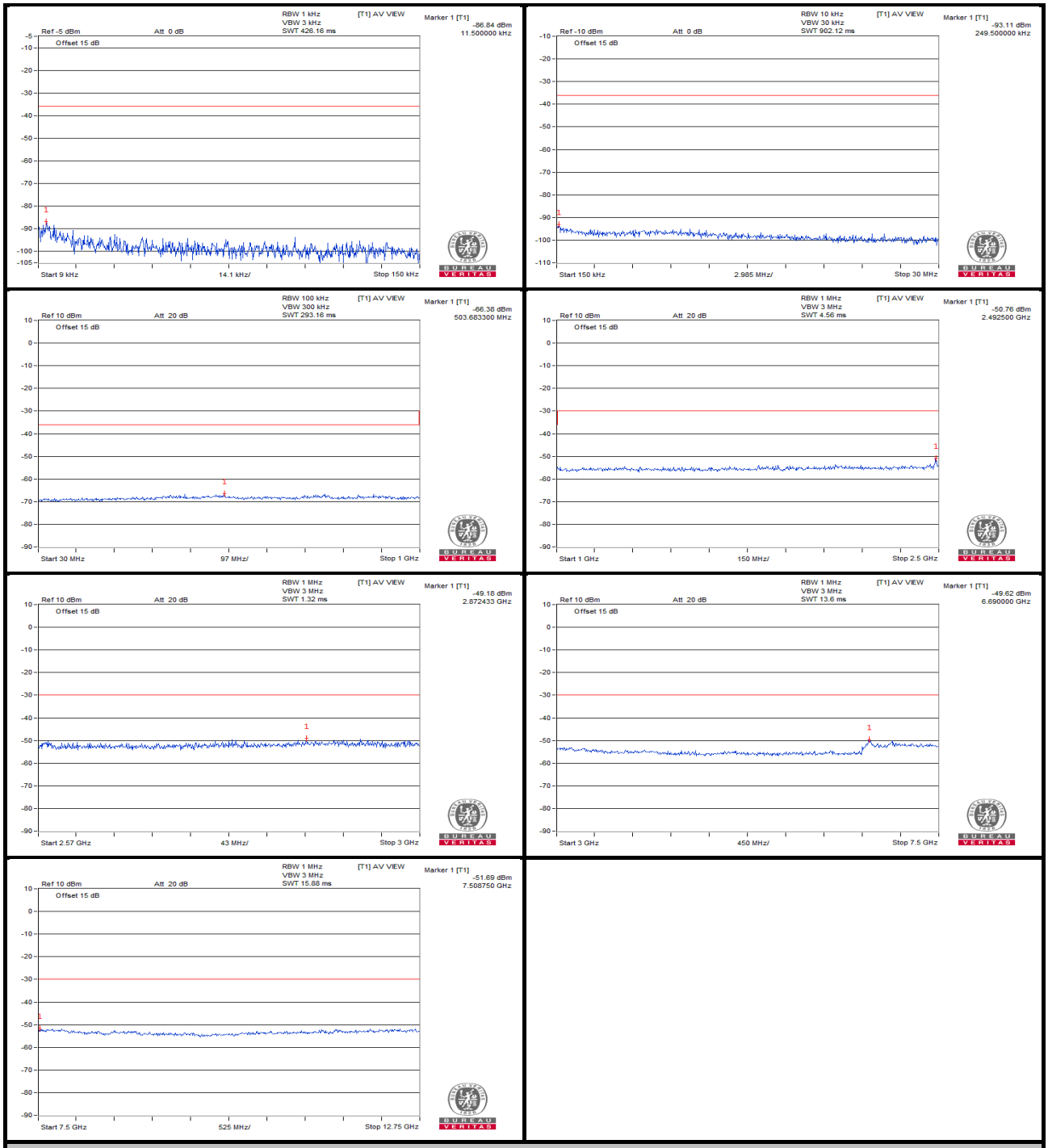
Ch 21350

Bandwidth: 20 MHz / QPSK (100 RB / 0 RB Offset)

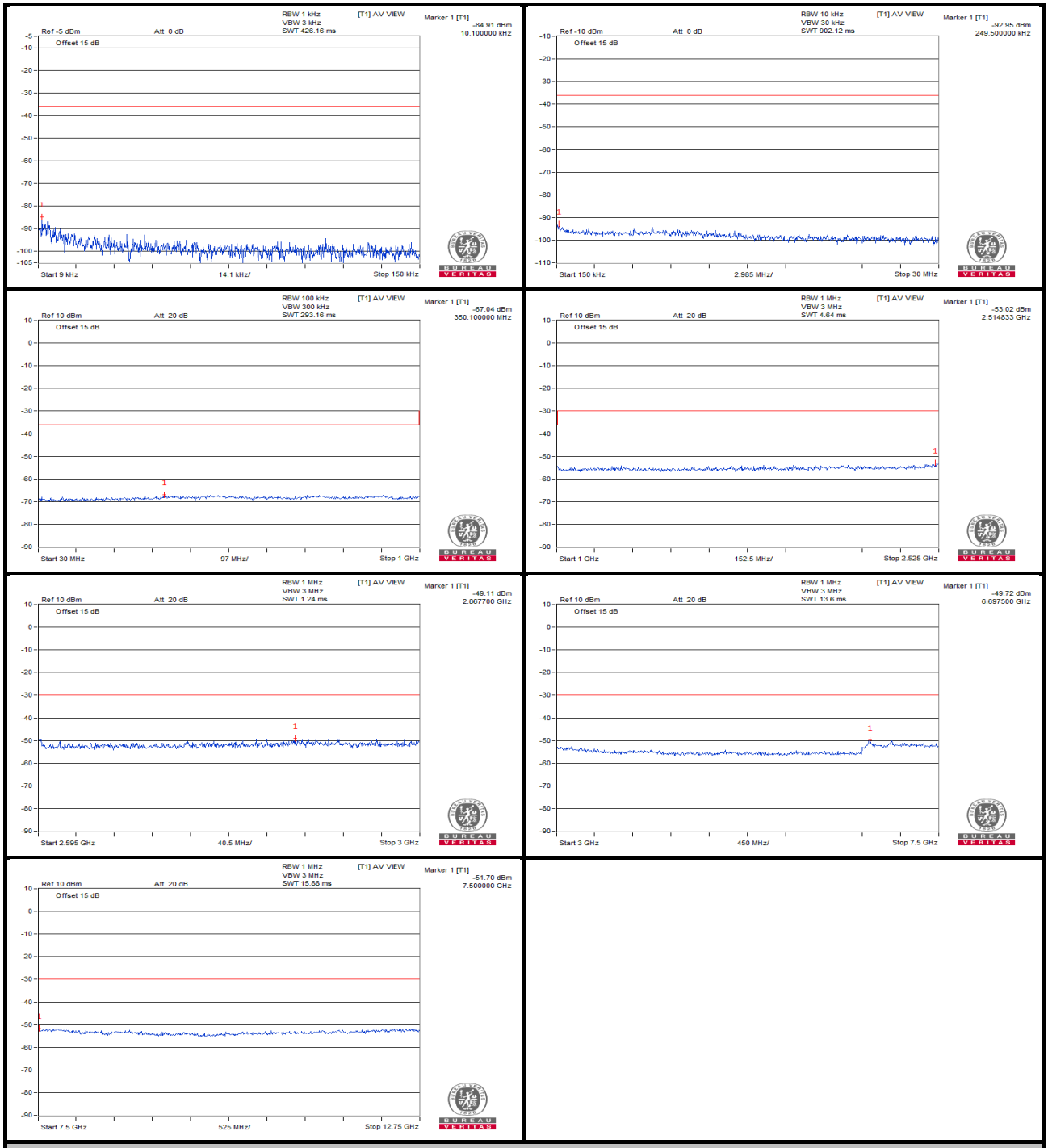
Modulation	Channel	Frequency Range (MHz)	Measurement Value	Limit	Pass / Fail
QPSK	20850	0.009MHz to 0.15MHz	-88.11	-36	PASS
		0.15MHz to 30MHz	-93.01	-36	PASS
		30MHz to 1000MHz	-66.64	-36	PASS
		1000MHz to 2475MHz	-53.43	-30	PASS
		2545MHz to 3000MHz	-48.76	-30	PASS
		3000MHz to 7500MHz	-49.62	-30	PASS
		7500MHz to 12750MHz	-51.49	-30	PASS
	21100	0.009MHz to 0.15MHz	-86.84	-36	PASS
		0.15MHz to 30MHz	-93.11	-36	PASS
		30MHz to 1000MHz	-66.38	-36	PASS
		1000MHz to 2500MHz	-50.76	-30	PASS
		2570MHz to 3000MHz	-49.18	-30	PASS
		3000MHz to 7500MHz	-49.62	-30	PASS
		7500MHz to 12750MHz	-51.69	-30	PASS
	21350	0.009MHz to 0.15MHz	-84.91	-36	PASS
		0.15MHz to 30MHz	-92.95	-36	PASS
		30MHz to 1000MHz	-67.04	-36	PASS
		1000MHz to 2525MHz	-53.02	-30	PASS
		2595MHz to 3000MHz	-49.11	-30	PASS
		3000MHz to 7500MHz	-49.72	-30	PASS
		7500MHz to 12750MHz	-51.70	-30	PASS


RBW 1 kHz
VBW 3 kHz
SWT 426.16 ms
[T1] AV VIEW
Marker 1 [T1]
-88.11 dBm
11.300000 kHz
Ref -5 dBm
Att 0 dB
Offset 15 dB
Start 9 kHz
14.1 kHz/
Stop 150 kHz
RBW 10 kHz
VBW 30 kHz
SWT 902.12 ms
[T1] AV VIEW
Marker 1 [T1]
-93.01 dBm
199.700000 kHz
Ref -10 dBm
Att 0 dB
Offset 15 dB
Start 150 kHz
2.985 MHz/
Stop 30 MHz
RBW 100 kHz
VBW 300 kHz
SWT 293.16 ms
[T1] AV VIEW
Marker 1 [T1]
-66.64 dBm
713.850000 MHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 30 MHz
97 MHz/
Stop 1 GHz
RBW 1 MHz
VBW 3 MHz
SWT 4.48 ms
[T1] AV VIEW
Marker 1 [T1]
-53.43 dBm
2.317667 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1 GHz
147.5 MHz/
Stop 2.475 GHz
RBW 1 MHz
VBW 3 MHz
SWT 1.4 ms
[T1] AV VIEW
Marker 1 [T1]
-48.76 dBm
2.918858 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 2.545 GHz
45.5 MHz/
Stop 3 GHz
RBW 1 MHz
VBW 3 MHz
SWT 13.6 ms
[T1] AV VIEW
Marker 1 [T1]
-49.62 dBm
6.682500 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 3 GHz
450 MHz/
Stop 7.5 GHz
RBW 1 MHz
VBW 3 MHz
SWT 15.88 ms
[T1] AV VIEW
Marker 1 [T1]
-51.49 dBm
12.408750 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 7.5 GHz
525 MHz/
Stop 12.75 GHz

Ch 20850


RBW 1 kHz
VBW 3 kHz
SWT 426.16 ms
[T1] AV VIEW
Marker 1 [T1]
-86.84 dBm
11.500000 kHz
Ref -5 dBm
Att 0 dB
Offset 15 dB
Start 9 kHz
14.1 kHz/
Stop 150 kHz
RBW 10 kHz
VBW 30 kHz
SWT 902.12 ms
[T1] AV VIEW
Marker 1 [T1]
-93.11 dBm
249.500000 kHz
Ref -10 dBm
Att 0 dB
Offset 15 dB
Start 150 kHz
2.985 MHz/
Stop 30 MHz
RBW 100 kHz
VBW 300 kHz
SWT 293.16 ms
[T1] AV VIEW
Marker 1 [T1]
-66.38 dBm
503.683300 MHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 30 MHz
97 MHz/
Stop 1 GHz
RBW 1 MHz
VBW 3 MHz
SWT 4.56 ms
[T1] AV VIEW
Marker 1 [T1]
-50.76 dBm
2.492500 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1 GHz
150 MHz/
Stop 2.5 GHz
RBW 1 MHz
VBW 3 MHz
SWT 1.32 ms
[T1] AV VIEW
Marker 1 [T1]
-49.18 dBm
2.872433 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 2.57 GHz
43 MHz/
Stop 3 GHz
RBW 1 MHz
VBW 3 MHz
SWT 13.6 ms
[T1] AV VIEW
Marker 1 [T1]
-49.62 dBm
6.690000 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 3 GHz
450 MHz/
Stop 7.5 GHz
RBW 1 MHz
VBW 3 MHz
SWT 15.88 ms
[T1] AV VIEW
Marker 1 [T1]
-51.69 dBm
7.508750 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 7.5 GHz
525 MHz/
Stop 12.75 GHz

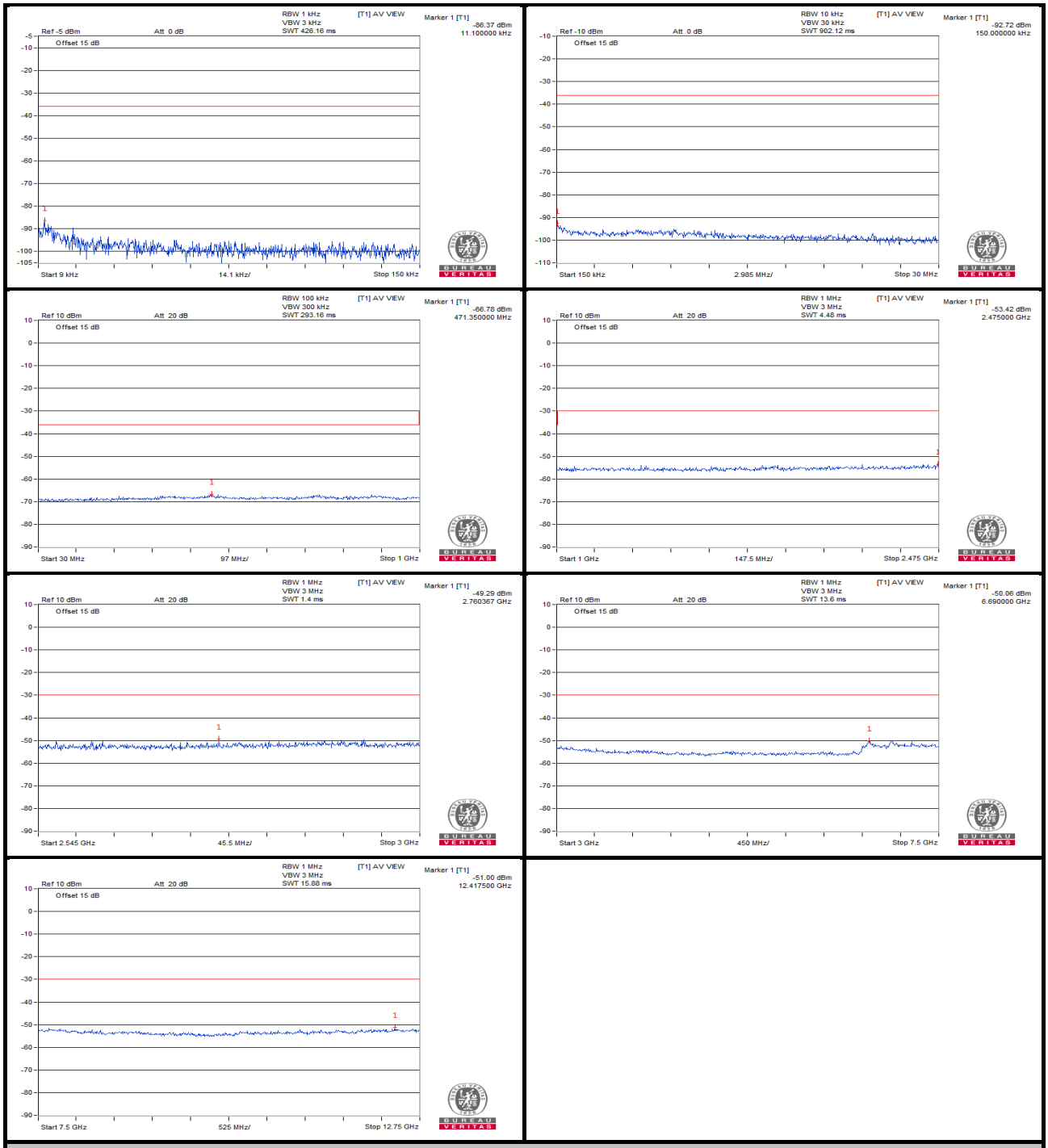
Ch 21100


RBW 1 kHz
VBW 3 kHz
SWT 426.16 ms
[T1] AV VIEW
Marker 1 [T1]
-84.91 dBm
10.100000 kHz
Ref -5 dBm
Att 0 dB
Offset 15 dB
Start 9 kHz
14.1 kHz/
Stop 150 kHz
RBW 10 kHz
VBW 30 kHz
SWT 902.12 ms
[T1] AV VIEW
Marker 1 [T1]
-92.95 dBm
249.500000 kHz
Ref -10 dBm
Att 0 dB
Offset 15 dB
Start 150 kHz
2.985 MHz/
Stop 30 MHz
RBW 100 kHz
VBW 300 kHz
SWT 293.16 ms
[T1] AV VIEW
Marker 1 [T1]
-67.04 dBm
350.100000 MHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 30 MHz
97 MHz/
Stop 1 GHz
RBW 1 MHz
VBW 3 MHz
SWT 4.64 ms
[T1] AV VIEW
Marker 1 [T1]
-53.02 dBm
2.514833 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1 GHz
152.5 MHz/
Stop 2.525 GHz
RBW 1 MHz
VBW 3 MHz
SWT 1.24 ms
[T1] AV VIEW
Marker 1 [T1]
-49.11 dBm
2.867700 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 2.595 GHz
40.5 MHz/
Stop 3 GHz
RBW 1 MHz
VBW 3 MHz
SWT 13.6 ms
[T1] AV VIEW
Marker 1 [T1]
-49.72 dBm
6.697500 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 3 GHz
450 MHz/
Stop 7.5 GHz
RBW 1 MHz
VBW 3 MHz
SWT 15.88 ms
[T1] AV VIEW
Marker 1 [T1]
-51.70 dBm
7.500000 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 7.5 GHz
525 MHz/
Stop 12.75 GHz

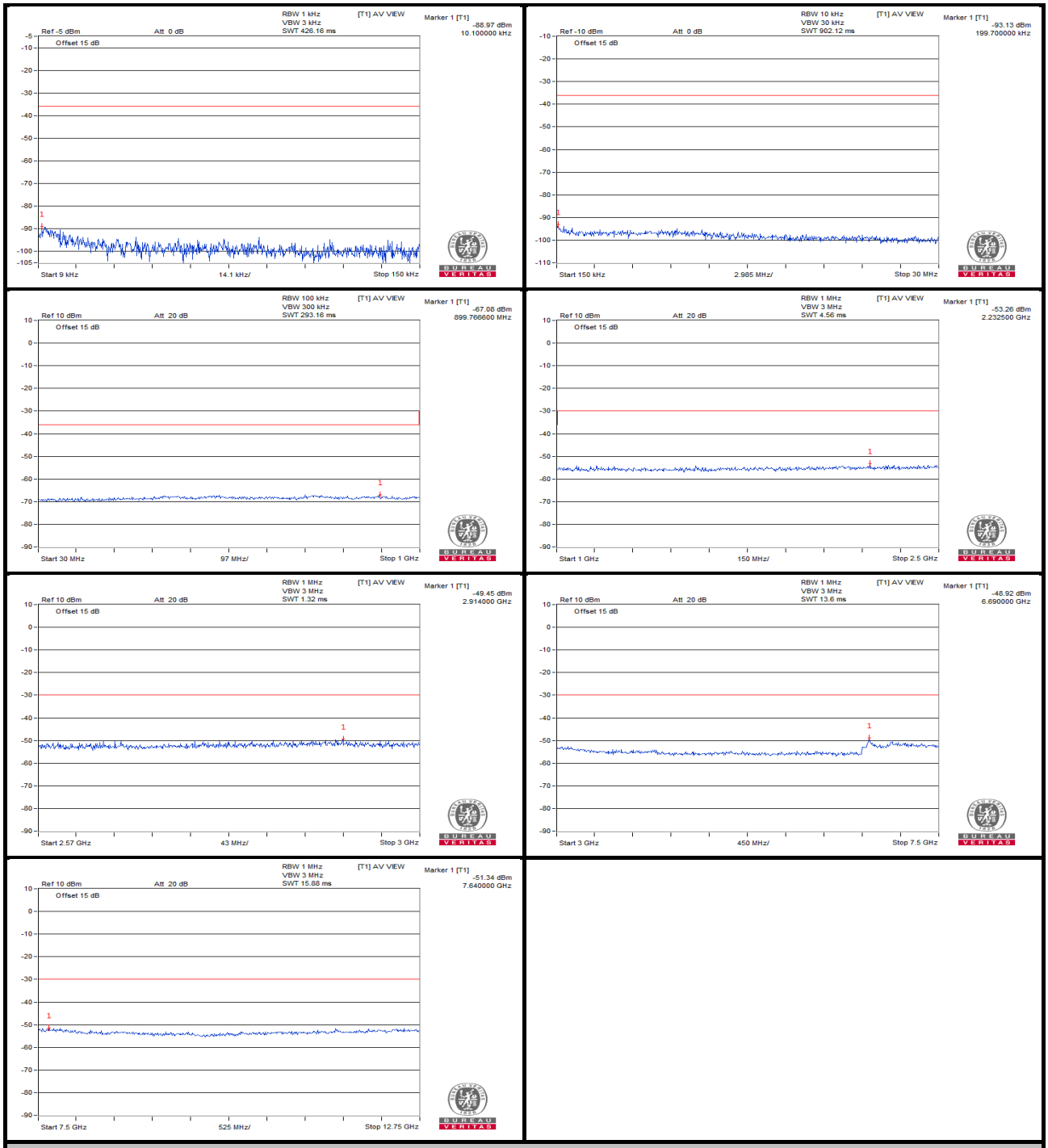
Ch 21350

Bandwidth: 20 MHz / QPSK (1 RB / 99 RB Offset)

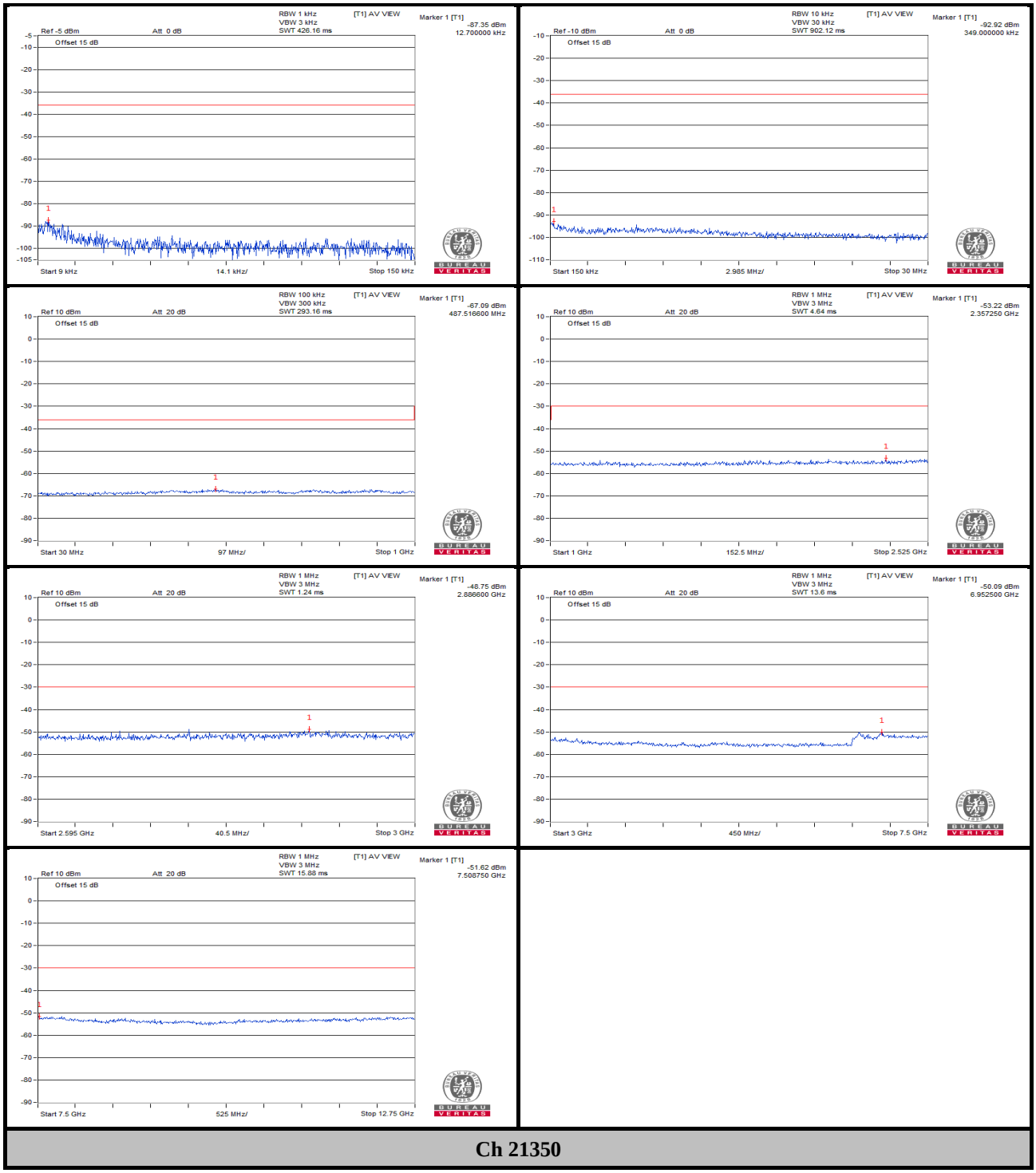
Modulation	Channel	Frequency Range (MHz)	Measurement Value	Limit	Pass / Fail
QPSK	20850	0.009MHz to 0.15MHz	-86.37	-36	PASS
		0.15MHz to 30MHz	-92.72	-36	PASS
		30MHz to 1000MHz	-66.78	-36	PASS
		1000MHz to 2475MHz	-53.42	-30	PASS
		2545MHz to 3000MHz	-49.29	-30	PASS
		3000MHz to 7500MHz	-50.06	-30	PASS
		7500MHz to 12750MHz	-51.00	-30	PASS
	21100	0.009MHz to 0.15MHz	-88.97	-36	PASS
		0.15MHz to 30MHz	-93.13	-36	PASS
		30MHz to 1000MHz	-67.08	-36	PASS
		1000MHz to 2500MHz	-53.26	-30	PASS
		2570MHz to 3000MHz	-49.45	-30	PASS
		3000MHz to 7500MHz	-48.92	-30	PASS
		7500MHz to 12750MHz	-51.34	-30	PASS
	21350	0.009MHz to 0.15MHz	-87.35	-36	PASS
		0.15MHz to 30MHz	-92.92	-36	PASS
		30MHz to 1000MHz	-67.09	-36	PASS
		1000MHz to 2525MHz	-53.22	-30	PASS
		2595MHz to 3000MHz	-48.75	-30	PASS
		3000MHz to 7500MHz	-50.09	-30	PASS
		7500MHz to 12750MHz	-51.62	-30	PASS


RBW 1 kHz
VBW 3 kHz
SWT 426.16 ms
[T1] AV VIEW
Marker 1 [T1]
-86.37 dBm
11.100000 kHz
Ref -5 dBm
Att 0 dB
Offset 15 dB
Start 9 kHz
14.1 kHz/
Stop 150 kHz
RBW 10 kHz
VBW 30 kHz
SWT 902.12 ms
[T1] AV VIEW
Marker 1 [T1]
-92.72 dBm
150.000000 kHz
Ref -10 dBm
Att 0 dB
Offset 15 dB
Start 150 kHz
2.985 MHz/
Stop 30 MHz
RBW 100 kHz
VBW 300 kHz
SWT 293.16 ms
[T1] AV VIEW
Marker 1 [T1]
-66.78 dBm
471.350000 MHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 30 MHz
97 MHz/
Stop 1 GHz
RBW 1 MHz
VBW 3 MHz
SWT 4.48 ms
[T1] AV VIEW
Marker 1 [T1]
-53.42 dBm
2.475000 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1 GHz
147.5 MHz/
Stop 2.475 GHz
RBW 1 MHz
VBW 3 MHz
SWT 1.4 ms
[T1] AV VIEW
Marker 1 [T1]
-49.29 dBm
2.760367 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 2.545 GHz
45.5 MHz/
Stop 3 GHz
RBW 1 MHz
VBW 3 MHz
SWT 13.6 ms
[T1] AV VIEW
Marker 1 [T1]
-50.06 dBm
6.690000 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 3 GHz
450 MHz/
Stop 7.5 GHz
RBW 1 MHz
VBW 3 MHz
SWT 15.88 ms
[T1] AV VIEW
Marker 1 [T1]
-51.00 dBm
12.417500 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 7.5 GHz
525 MHz/
Stop 12.75 GHz

Ch 20850


RBW 1 kHz
VBW 3 kHz
SWT 426.16 ms
[T1] AV VIEW
Marker 1 [T1]
-88.97 dBm
10.100000 kHz
Ref -5 dBm
Att 0 dB
Offset 15 dB
Start 9 kHz
14.1 kHz/
Stop 150 kHz
RBW 10 kHz
VBW 30 kHz
SWT 902.12 ms
[T1] AV VIEW
Marker 1 [T1]
-93.13 dBm
199.700000 kHz
Ref -10 dBm
Att 0 dB
Offset 15 dB
Start 150 kHz
2.985 MHz/
Stop 30 MHz
RBW 100 kHz
VBW 300 kHz
SWT 293.16 ms
[T1] AV VIEW
Marker 1 [T1]
-67.08 dBm
899.766600 MHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 30 MHz
97 MHz/
Stop 1 GHz
RBW 1 MHz
VBW 3 MHz
SWT 4.56 ms
[T1] AV VIEW
Marker 1 [T1]
-53.26 dBm
2.232500 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1 GHz
150 MHz/
Stop 2.5 GHz
RBW 1 MHz
VBW 3 MHz
SWT 1.32 ms
[T1] AV VIEW
Marker 1 [T1]
-49.45 dBm
2.914000 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 2.57 GHz
43 MHz/
Stop 3 GHz
RBW 1 MHz
VBW 3 MHz
SWT 13.6 ms
[T1] AV VIEW
Marker 1 [T1]
-48.92 dBm
6.690000 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 3 GHz
450 MHz/
Stop 7.5 GHz
RBW 1 MHz
VBW 3 MHz
SWT 15.88 ms
[T1] AV VIEW
Marker 1 [T1]
-51.34 dBm
7.640000 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 7.5 GHz
525 MHz/
Stop 12.75 GHz

Ch 21100

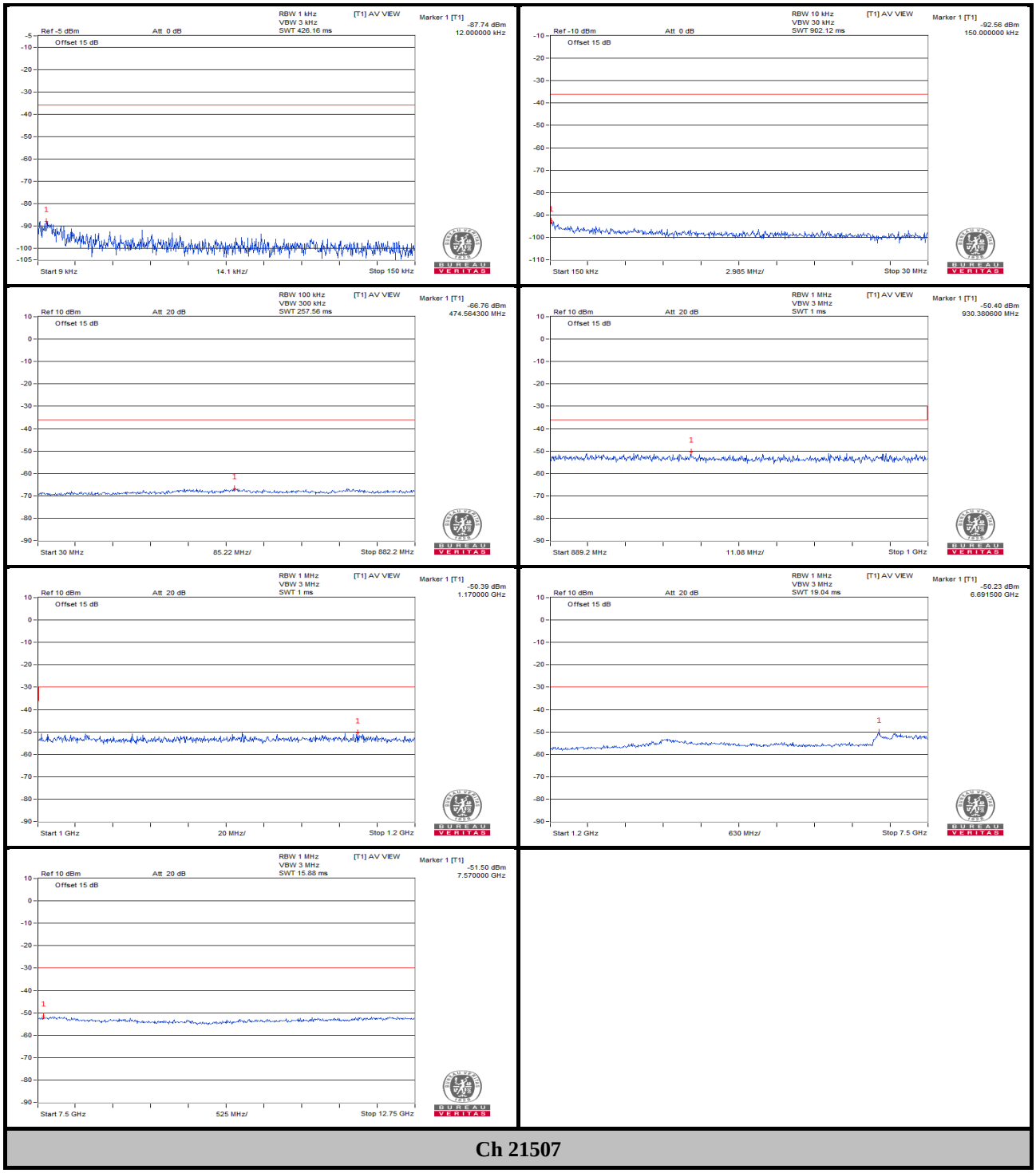

RBW 1 kHz
VBW 3 kHz
SWT 426.16 ms
[T1] AV VIEW
Marker 1 [T1]
-87.35 dBm
12.700000 kHz
Ref -5 dBm
Att 0 dB
Offset 15 dB
Start 9 kHz
14.1 kHz/
Stop 150 kHz
RBW 10 kHz
VBW 30 kHz
SWT 902.12 ms
[T1] AV VIEW
Marker 1 [T1]
-92.92 dBm
349.000000 kHz
Ref -10 dBm
Att 0 dB
Offset 15 dB
Start 150 kHz
2.985 MHz/
Stop 30 MHz
RBW 100 kHz
VBW 300 kHz
SWT 293.16 ms
[T1] AV VIEW
Marker 1 [T1]
-67.09 dBm
487.516600 MHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 30 MHz
97 MHz/
Stop 1 GHz
RBW 1 MHz
VBW 3 MHz
SWT 4.64 ms
[T1] AV VIEW
Marker 1 [T1]
-53.22 dBm
2.357250 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1 GHz
152.5 MHz/
Stop 2.525 GHz
RBW 1 MHz
VBW 3 MHz
SWT 1.24 ms
[T1] AV VIEW
Marker 1 [T1]
-48.75 dBm
2.886600 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 2.595 GHz
40.5 MHz/
Stop 3 GHz
RBW 1 MHz
VBW 3 MHz
SWT 13.6 ms
[T1] AV VIEW
Marker 1 [T1]
-50.09 dBm
6.952500 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 3 GHz
450 MHz/
Stop 7.5 GHz
RBW 1 MHz
VBW 3 MHz
SWT 15.88 ms
[T1] AV VIEW
Marker 1 [T1]
-51.62 dBm
7.508750 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 7.5 GHz
525 MHz/
Stop 12.75 GHz

Ch 21350

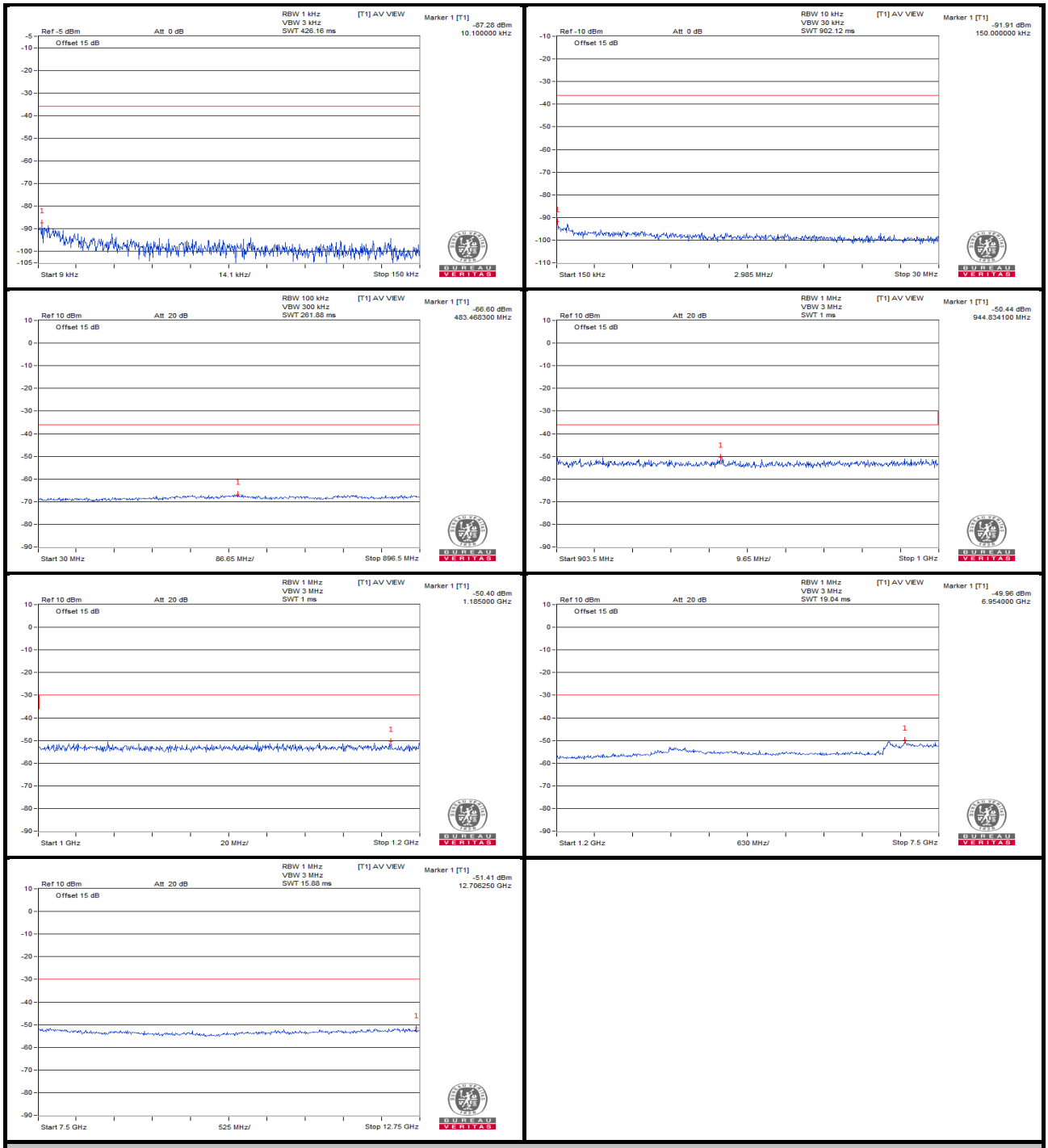
LTE Band 8

Bandwidth: 1.4 MHz / QPSK (1 RB / 0 RB Offset)

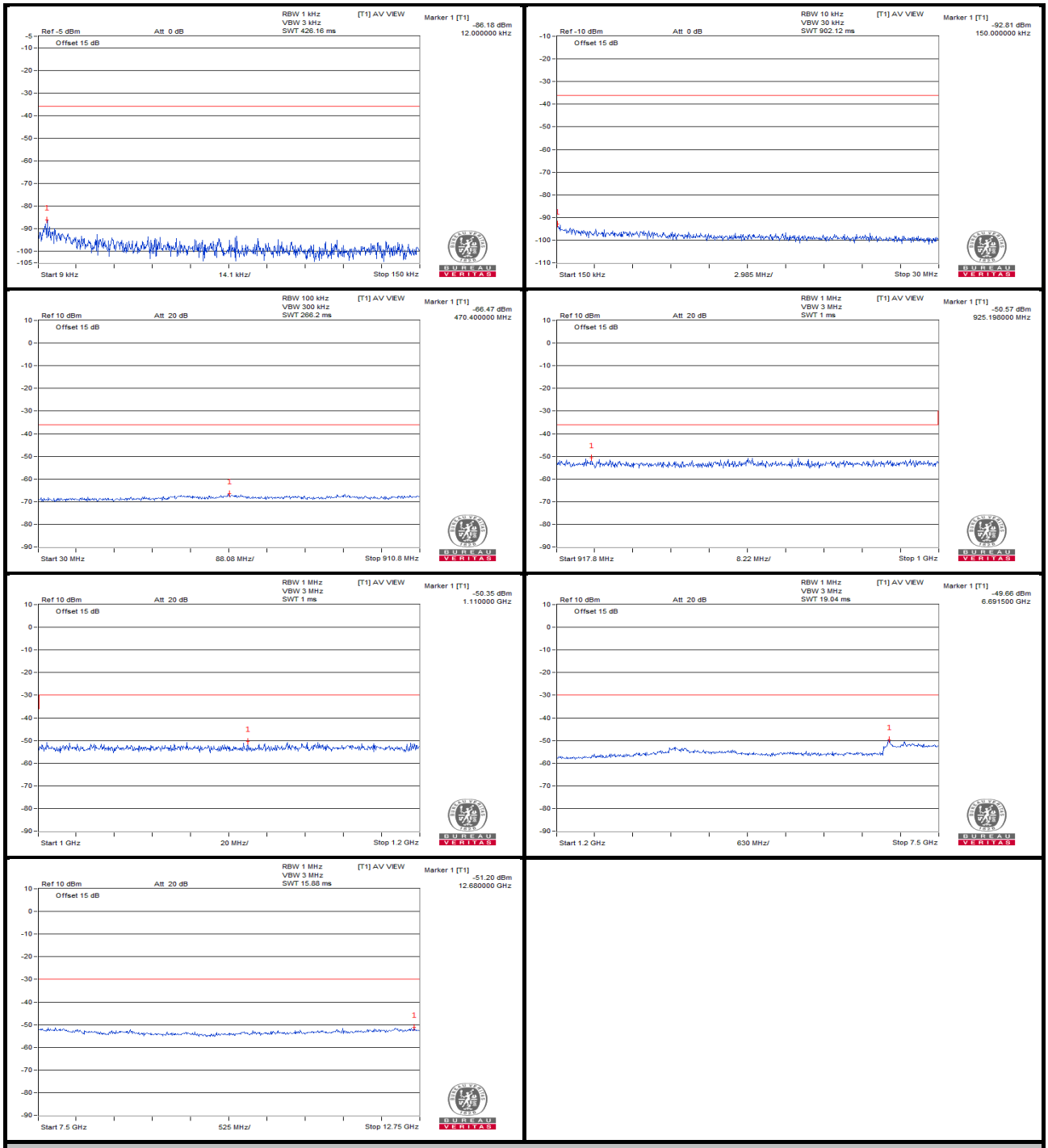
Modulation	Channel	Frequency Range (MHz)	Measurement Value	Limit	Pass / Fail
QPSK	21507	0.009MHz to 0.15MHz	-87.74	-36	PASS
		0.15MHz to 30MHz	-92.56	-36	PASS
		30MHz to 882.2MHz	-66.76	-36	PASS
		889.2MHz to 1000MHz	-50.40	-36	PASS
		1000MHz to 1200MHz	-50.39	-30	PASS
		1200MHz to 7500MHz	-50.23	-30	PASS
		7500MHz to 12750MHz	-51.50	-30	PASS
	21650	0.009MHz to 0.15MHz	-87.28	-36	PASS
		0.15MHz to 30MHz	-91.91	-36	PASS
		30MHz to 896.5MHz	-66.60	-36	PASS
		903.5MHz to 1000MHz	-50.44	-36	PASS
		1000MHz to 1200MHz	-50.40	-30	PASS
		1200MHz to 7500MHz	-49.96	-30	PASS
		7500MHz to 12750MHz	-51.41	-30	PASS
	21793	0.009MHz to 0.15MHz	-86.18	-36	PASS
		0.15MHz to 30MHz	-92.81	-36	PASS
		30MHz to 910.8MHz	-66.47	-36	PASS
		917.8MHz to 1000MHz	-50.57	-36	PASS
		1000MHz to 1200MHz	-50.35	-30	PASS
		1200MHz to 7500MHz	-49.66	-30	PASS
		7500MHz to 12750MHz	-51.20	-30	PASS


RBW 1 kHz
VBW 3 kHz
SWT 426.16 ms
[T1] AV VIEW
Marker 1 [T1]
-87.74 dBm
12.000000 kHz
Ref -5 dBm
Att 0 dB
Offset 15 dB
Start 9 kHz
14.1 kHz/
Stop 150 kHz
RBW 10 kHz
VBW 30 kHz
SWT 902.12 ms
[T1] AV VIEW
Marker 1 [T1]
-92.56 dBm
150.000000 kHz
Ref -10 dBm
Att 0 dB
Offset 15 dB
Start 150 kHz
2.985 MHz/
Stop 30 MHz
RBW 100 kHz
VBW 300 kHz
SWT 257.56 ms
[T1] AV VIEW
Marker 1 [T1]
-66.76 dBm
474.564300 MHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 30 MHz
85.22 MHz/
Stop 882.2 MHz
RBW 1 MHz
VBW 3 MHz
SWT 1 ms
[T1] AV VIEW
Marker 1 [T1]
-50.40 dBm
930.380600 MHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 889.2 MHz
11.08 MHz/
Stop 1 GHz
RBW 1 MHz
VBW 3 MHz
SWT 1 ms
[T1] AV VIEW
Marker 1 [T1]
-50.39 dBm
1.170000 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1 GHz
20 MHz/
Stop 1.2 GHz
RBW 1 MHz
VBW 3 MHz
SWT 19.04 ms
[T1] AV VIEW
Marker 1 [T1]
-50.23 dBm
6.691500 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1.2 GHz
630 MHz/
Stop 7.5 GHz
RBW 1 MHz
VBW 3 MHz
SWT 15.88 ms
[T1] AV VIEW
Marker 1 [T1]
-51.50 dBm
7.570000 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 7.5 GHz
525 MHz/
Stop 12.75 GHz

Ch 21507


RBW 1 kHz
VBW 3 kHz
SWT 426.16 ms
[T1] AV VIEW
Marker 1 [T1]
-87.28 dBm
10.100000 kHz
Ref -5 dBm
Att 0 dB
Offset 15 dB
Start 9 kHz
14.1 kHz/
Stop 150 kHz
RBW 10 kHz
VBW 30 kHz
SWT 902.12 ms
[T1] AV VIEW
Marker 1 [T1]
-91.91 dBm
150.000000 kHz
Ref -10 dBm
Att 0 dB
Offset 15 dB
Start 150 kHz
2.985 MHz/
Stop 30 MHz
RBW 100 kHz
VBW 300 kHz
SWT 261.88 ms
[T1] AV VIEW
Marker 1 [T1]
-66.60 dBm
483.468300 MHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 30 MHz
86.65 MHz/
Stop 896.5 MHz
RBW 1 MHz
VBW 3 MHz
SWT 1 ms
[T1] AV VIEW
Marker 1 [T1]
-50.44 dBm
944.834100 MHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 903.5 MHz
9.65 MHz/
Stop 1 GHz
RBW 1 MHz
VBW 3 MHz
SWT 1 ms
[T1] AV VIEW
Marker 1 [T1]
-50.40 dBm
1.185000 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1 GHz
20 MHz/
Stop 1.2 GHz
RBW 1 MHz
VBW 3 MHz
SWT 19.04 ms
[T1] AV VIEW
Marker 1 [T1]
-49.96 dBm
6.954000 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1.2 GHz
630 MHz/
Stop 7.5 GHz
RBW 1 MHz
VBW 3 MHz
SWT 15.88 ms
[T1] AV VIEW
Marker 1 [T1]
-51.41 dBm
12.706250 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 7.5 GHz
525 MHz/
Stop 12.75 GHz

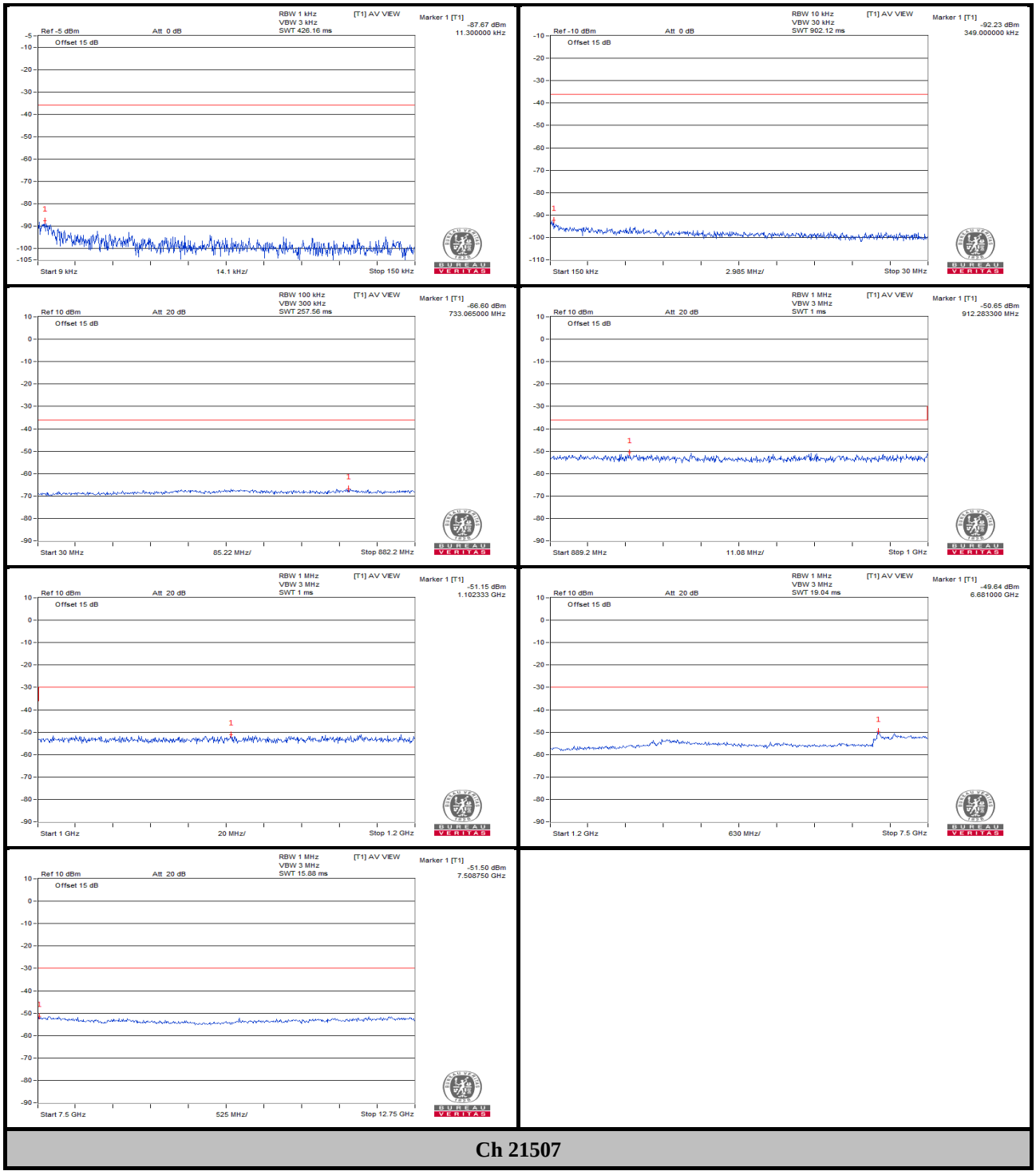
Ch 21650


RBW 1 kHz
VBW 3 kHz
SWT 426.16 ms
[T1] AV VIEW
Marker 1 [T1]
-86.18 dBm
12.000000 kHz
Ref -5 dBm
Att 0 dB
Offset 15 dB
Start 9 kHz
14.1 kHz/
Stop 150 kHz
RBW 10 kHz
VBW 30 kHz
SWT 902.12 ms
[T1] AV VIEW
Marker 1 [T1]
-92.81 dBm
150.000000 kHz
Ref -10 dBm
Att 0 dB
Offset 15 dB
Start 150 kHz
2.985 MHz/
Stop 30 MHz
RBW 100 kHz
VBW 300 kHz
SWT 266.2 ms
[T1] AV VIEW
Marker 1 [T1]
-66.47 dBm
470.400000 MHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 30 MHz
88.08 MHz/
Stop 910.8 MHz
RBW 1 MHz
VBW 3 MHz
SWT 1 ms
[T1] AV VIEW
Marker 1 [T1]
-50.57 dBm
925.198000 MHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 917.8 MHz
8.22 MHz/
Stop 1 GHz
RBW 1 MHz
VBW 3 MHz
SWT 1 ms
[T1] AV VIEW
Marker 1 [T1]
-50.35 dBm
1.110000 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1 GHz
20 MHz/
Stop 1.2 GHz
RBW 1 MHz
VBW 3 MHz
SWT 19.04 ms
[T1] AV VIEW
Marker 1 [T1]
-49.66 dBm
6.691500 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1.2 GHz
630 MHz/
Stop 7.5 GHz
RBW 1 MHz
VBW 3 MHz
SWT 15.88 ms
[T1] AV VIEW
Marker 1 [T1]
-51.20 dBm
12.680000 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 7.5 GHz
525 MHz/
Stop 12.75 GHz

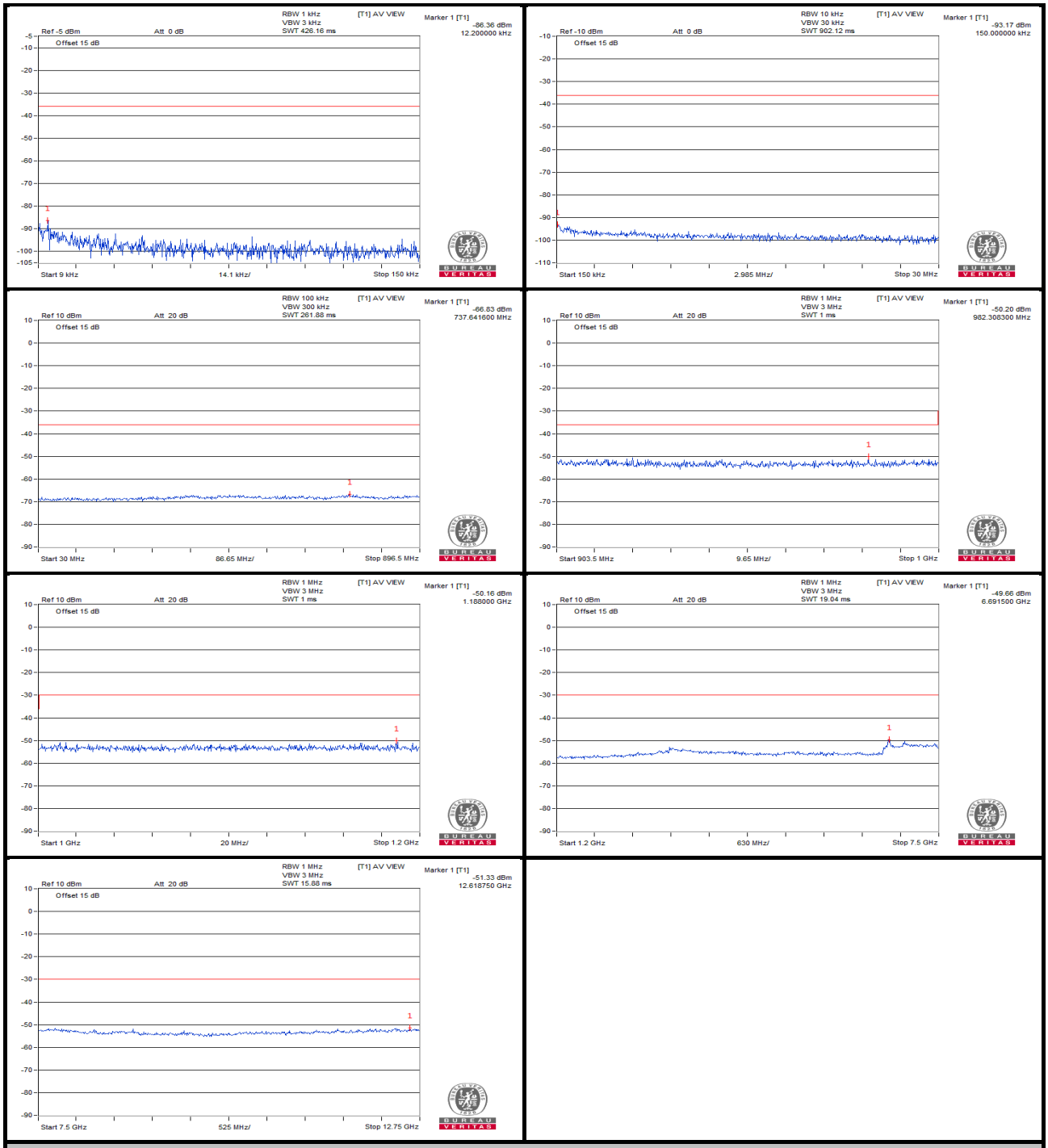
Ch 21793

Bandwidth: 1.4 MHz / QPSK (6 RB / 0 RB Offset)

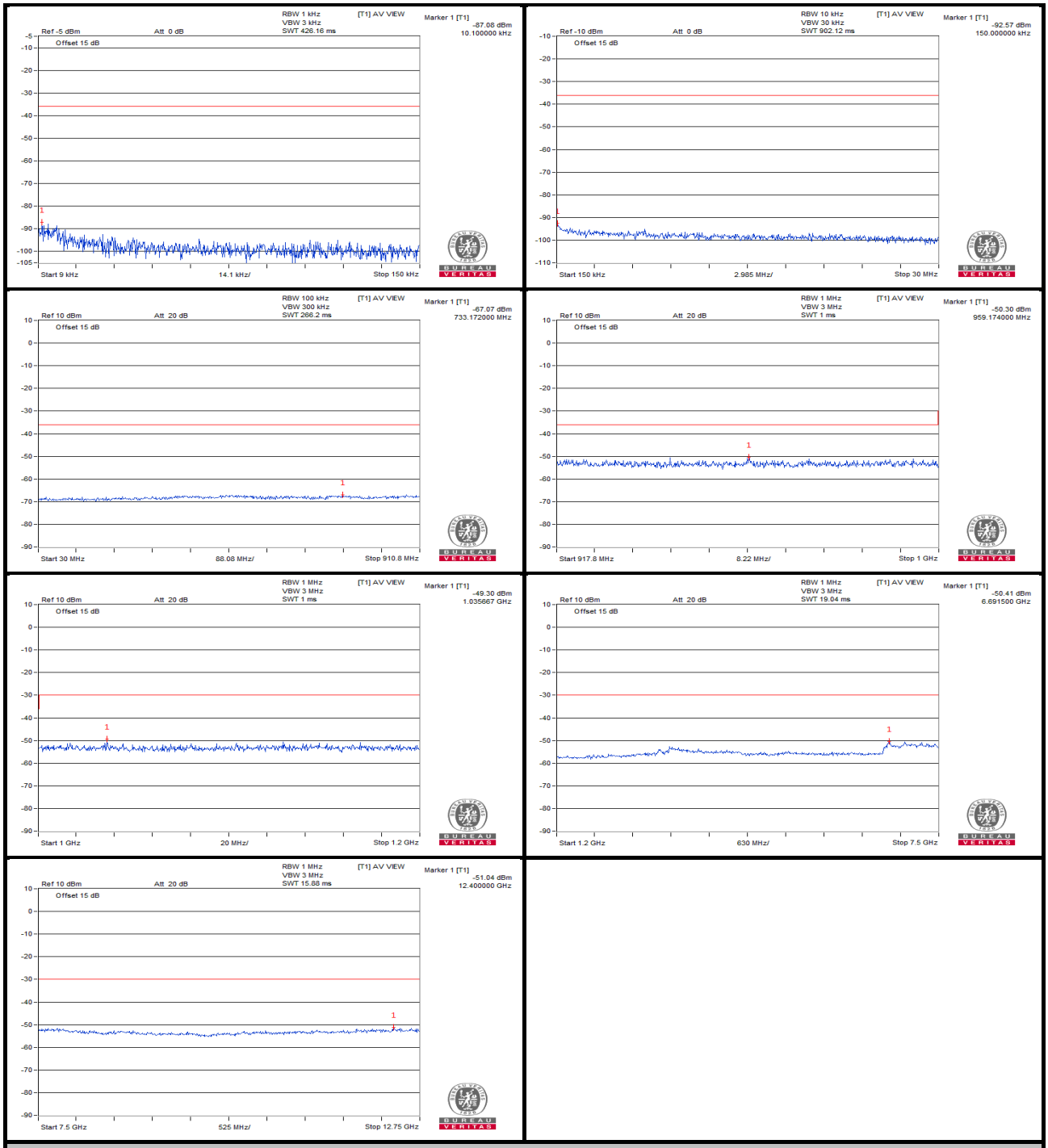
Modulation	Channel	Frequency Range (MHz)	Measurement Value	Limit	Pass / Fail
QPSK	21507	0.009MHz to 0.15MHz	-87.67	-36	PASS
		0.15MHz to 30MHz	-92.23	-36	PASS
		30MHz to 882.2MHz	-66.60	-36	PASS
		889.2MHz to 1000MHz	-50.65	-36	PASS
		1000MHz to 1200MHz	-51.15	-30	PASS
		1200MHz to 7500MHz	-49.64	-30	PASS
		7500MHz to 12750MHz	-51.50	-30	PASS
	21650	0.009MHz to 0.15MHz	-86.36	-36	PASS
		0.15MHz to 30MHz	-93.17	-36	PASS
		30MHz to 896.5MHz	-66.83	-36	PASS
		903.5MHz to 1000MHz	-50.20	-36	PASS
		1000MHz to 1200MHz	-50.16	-30	PASS
		1200MHz to 7500MHz	-49.66	-30	PASS
		7500MHz to 12750MHz	-51.33	-30	PASS
	21793	0.009MHz to 0.15MHz	-87.08	-36	PASS
		0.15MHz to 30MHz	-92.57	-36	PASS
		30MHz to 910.8MHz	-67.07	-36	PASS
		917.8MHz to 1000MHz	-50.30	-36	PASS
		1000MHz to 1200MHz	-49.30	-30	PASS
		1200MHz to 7500MHz	-50.41	-30	PASS
		7500MHz to 12750MHz	-51.04	-30	PASS


RBW 1 kHz
VBW 3 kHz
SWT 426.16 ms
[T1] AV VIEW
Marker 1 [T1]
-87.67 dBm
11.300000 kHz
Ref -5 dBm
Att 0 dB
Offset 15 dB
Start 9 kHz
14.1 kHz/
Stop 150 kHz
RBW 10 kHz
VBW 30 kHz
SWT 902.12 ms
[T1] AV VIEW
Marker 1 [T1]
-92.23 dBm
349.000000 kHz
Ref -10 dBm
Att 0 dB
Offset 15 dB
Start 150 kHz
2.985 MHz/
Stop 30 MHz
RBW 100 kHz
VBW 300 kHz
SWT 257.56 ms
[T1] AV VIEW
Marker 1 [T1]
-66.60 dBm
733.065000 MHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 30 MHz
85.22 MHz/
Stop 882.2 MHz
RBW 1 MHz
VBW 3 MHz
SWT 1 ms
[T1] AV VIEW
Marker 1 [T1]
-50.65 dBm
912.283300 MHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 889.2 MHz
11.08 MHz/
Stop 1 GHz
RBW 1 MHz
VBW 3 MHz
SWT 1 ms
[T1] AV VIEW
Marker 1 [T1]
-51.15 dBm
1.102333 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1 GHz
20 MHz/
Stop 1.2 GHz
RBW 1 MHz
VBW 3 MHz
SWT 19.04 ms
[T1] AV VIEW
Marker 1 [T1]
-49.64 dBm
6.681000 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1.2 GHz
630 MHz/
Stop 7.5 GHz
RBW 1 MHz
VBW 3 MHz
SWT 15.88 ms
[T1] AV VIEW
Marker 1 [T1]
-51.50 dBm
7.508750 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 7.5 GHz
525 MHz/
Stop 12.75 GHz

Ch 21507


RBW 1 kHz
VBW 3 kHz
SWT 426.16 ms
[T1] AV VIEW
Marker 1 [T1]
-86.36 dBm
12.200000 kHz
Ref -5 dBm
Att 0 dB
Offset 15 dB
Start 9 kHz
14.1 kHz/
Stop 150 kHz
RBW 10 kHz
VBW 30 kHz
SWT 902.12 ms
[T1] AV VIEW
Marker 1 [T1]
-93.17 dBm
150.000000 kHz
Ref -10 dBm
Att 0 dB
Offset 15 dB
Start 150 kHz
2.985 MHz/
Stop 30 MHz
RBW 100 kHz
VBW 300 kHz
SWT 261.88 ms
[T1] AV VIEW
Marker 1 [T1]
-66.83 dBm
737.641600 MHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 30 MHz
86.65 MHz/
Stop 896.5 MHz
RBW 1 MHz
VBW 3 MHz
SWT 1 ms
[T1] AV VIEW
Marker 1 [T1]
-50.20 dBm
982.308300 MHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 903.5 MHz
9.65 MHz/
Stop 1 GHz
RBW 1 MHz
VBW 3 MHz
SWT 1 ms
[T1] AV VIEW
Marker 1 [T1]
-50.16 dBm
1.188000 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1 GHz
20 MHz/
Stop 1.2 GHz
RBW 1 MHz
VBW 3 MHz
SWT 19.04 ms
[T1] AV VIEW
Marker 1 [T1]
-49.66 dBm
6.691500 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1.2 GHz
630 MHz/
Stop 7.5 GHz
RBW 1 MHz
VBW 3 MHz
SWT 15.88 ms
[T1] AV VIEW
Marker 1 [T1]
-51.33 dBm
12.618750 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 7.5 GHz
525 MHz/
Stop 12.75 GHz

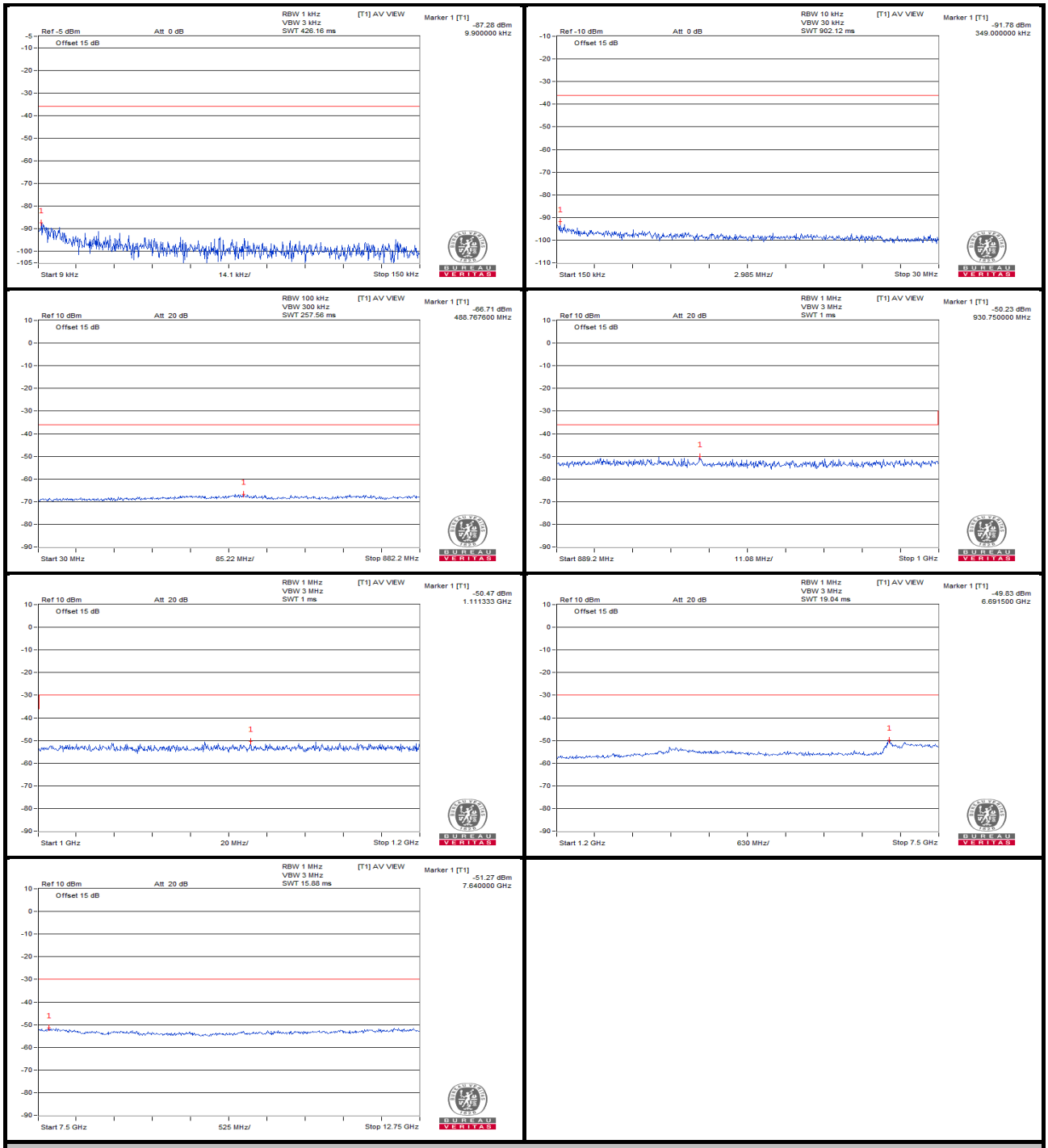
Ch 21650


RBW 1 kHz
VBW 3 kHz
SWT 426.16 ms
[T1] AV VIEW
Marker 1 [T1]
-87.08 dBm
10.100000 kHz
Ref -5 dBm
Att 0 dB
Offset 15 dB
Start 9 kHz
14.1 kHz/
Stop 150 kHz
RBW 10 kHz
VBW 30 kHz
SWT 902.12 ms
[T1] AV VIEW
Marker 1 [T1]
-92.57 dBm
150.000000 kHz
Ref -10 dBm
Att 0 dB
Offset 15 dB
Start 150 kHz
2.985 MHz/
Stop 30 MHz
RBW 100 kHz
VBW 300 kHz
SWT 266.2 ms
[T1] AV VIEW
Marker 1 [T1]
-67.07 dBm
733.172000 MHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 30 MHz
88.08 MHz/
Stop 910.8 MHz
RBW 1 MHz
VBW 3 MHz
SWT 1 ms
[T1] AV VIEW
Marker 1 [T1]
-50.30 dBm
959.174000 MHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 917.8 MHz
8.22 MHz/
Stop 1 GHz
RBW 1 MHz
VBW 3 MHz
SWT 1 ms
[T1] AV VIEW
Marker 1 [T1]
-49.30 dBm
1.035667 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1 GHz
20 MHz/
Stop 1.2 GHz
RBW 1 MHz
VBW 3 MHz
SWT 19.04 ms
[T1] AV VIEW
Marker 1 [T1]
-50.41 dBm
6.691500 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1.2 GHz
630 MHz/
Stop 7.5 GHz
RBW 1 MHz
VBW 3 MHz
SWT 15.88 ms
[T1] AV VIEW
Marker 1 [T1]
-51.04 dBm
12.400000 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 7.5 GHz
525 MHz/
Stop 12.75 GHz

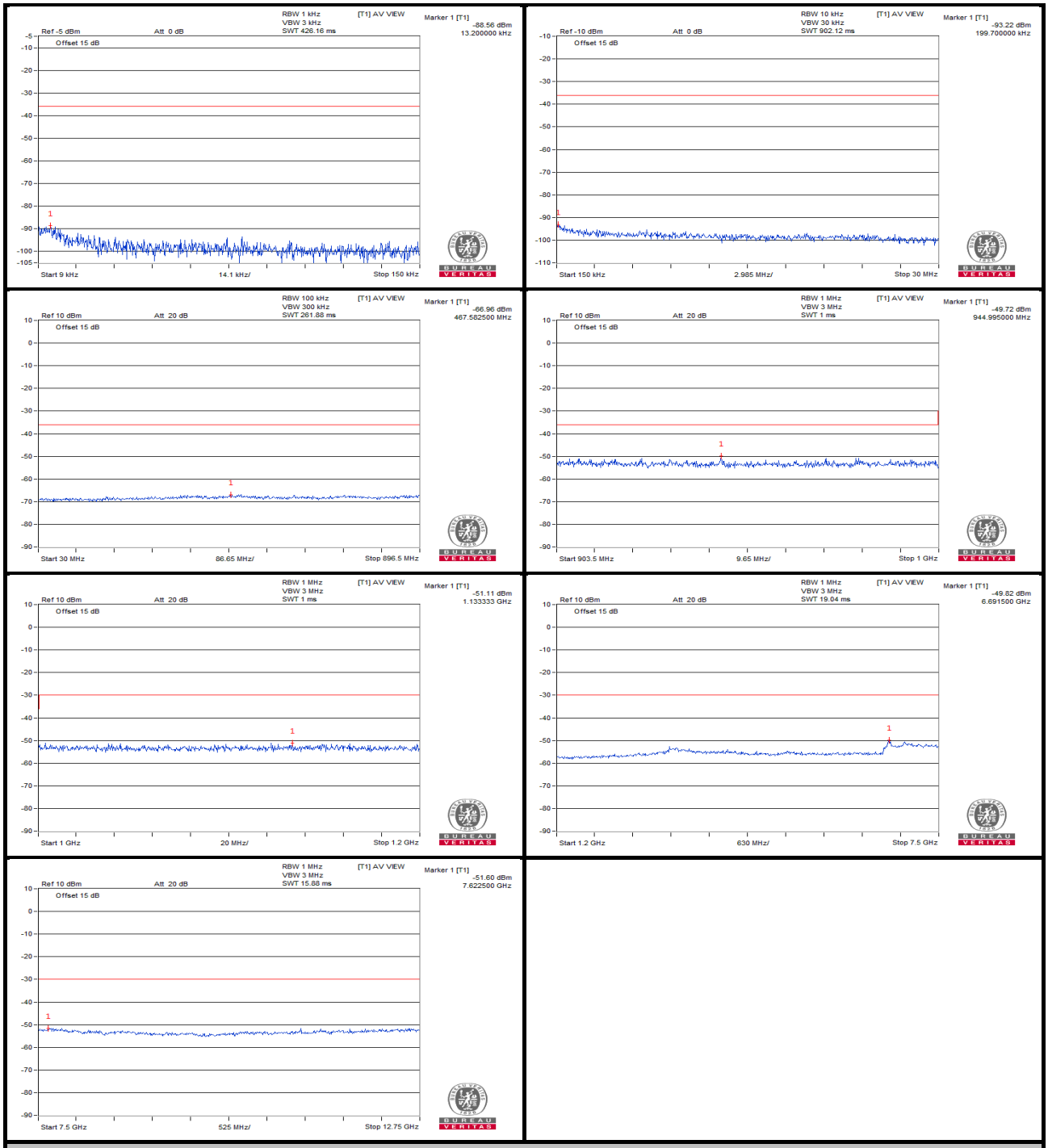
Ch 21793

Bandwidth: 1.4 MHz / QPSK (1 RB / 5 RB Offset)

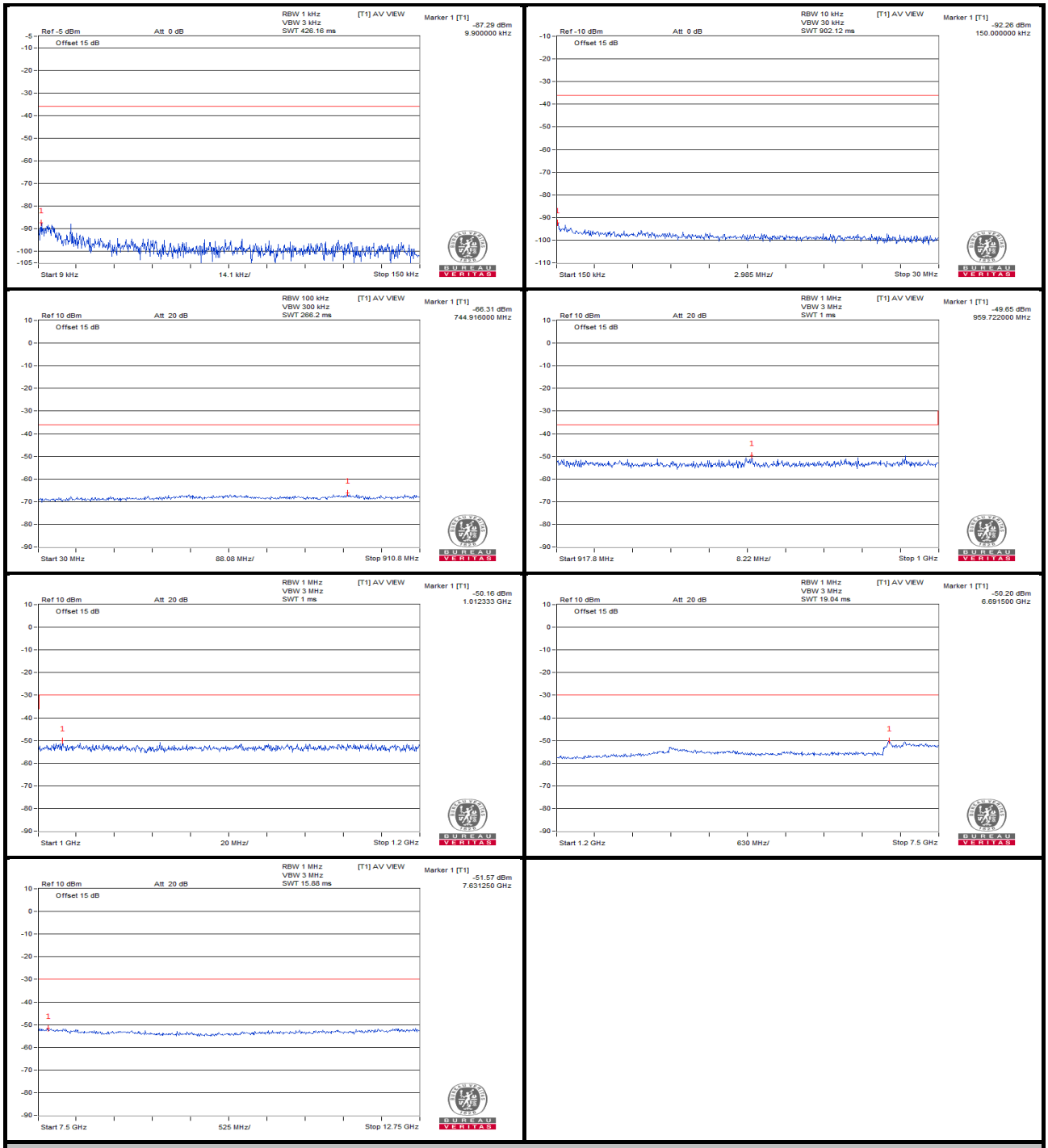
Modulation	Channel	Frequency Range (MHz)	Measurement Value	Limit	Pass / Fail
QPSK	21507	0.009MHz to 0.15MHz	-87.28	-36	PASS
		0.15MHz to 30MHz	-91.78	-36	PASS
		30MHz to 882.2MHz	-66.71	-36	PASS
		889.2MHz to 1000MHz	-50.23	-36	PASS
		1000MHz to 1200MHz	-50.47	-30	PASS
		1200MHz to 7500MHz	-49.83	-30	PASS
		7500MHz to 12750MHz	-51.27	-30	PASS
	21650	0.009MHz to 0.15MHz	-88.56	-36	PASS
		0.15MHz to 30MHz	-93.22	-36	PASS
		30MHz to 896.5MHz	-66.96	-36	PASS
		903.5MHz to 1000MHz	-49.72	-36	PASS
		1000MHz to 1200MHz	-51.11	-30	PASS
		1200MHz to 7500MHz	-49.82	-30	PASS
		7500MHz to 12750MHz	-51.60	-30	PASS
	21793	0.009MHz to 0.15MHz	-87.29	-36	PASS
		0.15MHz to 30MHz	-92.26	-36	PASS
		30MHz to 910.8MHz	-66.31	-36	PASS
		917.8MHz to 1000MHz	-49.65	-36	PASS
		1000MHz to 1200MHz	-50.16	-30	PASS
		1200MHz to 7500MHz	-50.20	-30	PASS
		7500MHz to 12750MHz	-51.57	-30	PASS


RBW 1 kHz
VBW 3 kHz
SWT 426.16 ms
[T1] AV VIEW
Marker 1 [T1]
-87.28 dBm
9.900000 kHz
Ref -5 dBm
Att 0 dB
Offset 15 dB
Start 9 kHz
14.1 kHz/
Stop 150 kHz
RBW 10 kHz
VBW 30 kHz
SWT 902.12 ms
[T1] AV VIEW
Marker 1 [T1]
-91.78 dBm
349.000000 kHz
Ref -10 dBm
Att 0 dB
Offset 15 dB
Start 150 kHz
2.985 MHz/
Stop 30 MHz
RBW 100 kHz
VBW 300 kHz
SWT 257.56 ms
[T1] AV VIEW
Marker 1 [T1]
-66.71 dBm
488.767600 MHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 30 MHz
85.22 MHz/
Stop 882.2 MHz
RBW 1 MHz
VBW 3 MHz
SWT 1 ms
[T1] AV VIEW
Marker 1 [T1]
-50.23 dBm
930.750000 MHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 889.2 MHz
11.08 MHz/
Stop 1 GHz
RBW 1 MHz
VBW 3 MHz
SWT 1 ms
[T1] AV VIEW
Marker 1 [T1]
-50.47 dBm
1.111333 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1 GHz
20 MHz/
Stop 1.2 GHz
RBW 1 MHz
VBW 3 MHz
SWT 19.04 ms
[T1] AV VIEW
Marker 1 [T1]
-49.83 dBm
6.691500 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1.2 GHz
630 MHz/
Stop 7.5 GHz
RBW 1 MHz
VBW 3 MHz
SWT 15.88 ms
[T1] AV VIEW
Marker 1 [T1]
-51.27 dBm
7.640000 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 7.5 GHz
525 MHz/
Stop 12.75 GHz

Ch 21507


RBW 1 kHz
VBW 3 kHz
SWT 426.16 ms
[T1] AV VIEW
Marker 1 [T1]
-88.56 dBm
13.200000 kHz
Ref -5 dBm
Att 0 dB
Offset 15 dB
Start 9 kHz
14.1 kHz/
Stop 150 kHz
RBW 10 kHz
VBW 30 kHz
SWT 902.12 ms
[T1] AV VIEW
Marker 1 [T1]
-93.22 dBm
199.700000 kHz
Ref -10 dBm
Att 0 dB
Offset 15 dB
Start 150 kHz
2.985 MHz/
Stop 30 MHz
RBW 100 kHz
VBW 300 kHz
SWT 261.88 ms
[T1] AV VIEW
Marker 1 [T1]
-66.96 dBm
467.582500 MHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 30 MHz
86.65 MHz/
Stop 896.5 MHz
RBW 1 MHz
VBW 3 MHz
SWT 1 ms
[T1] AV VIEW
Marker 1 [T1]
-49.72 dBm
944.995000 MHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 903.5 MHz
9.65 MHz/
Stop 1 GHz
RBW 1 MHz
VBW 3 MHz
SWT 1 ms
[T1] AV VIEW
Marker 1 [T1]
-51.11 dBm
1.133333 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1 GHz
20 MHz/
Stop 1.2 GHz
RBW 1 MHz
VBW 3 MHz
SWT 19.04 ms
[T1] AV VIEW
Marker 1 [T1]
-49.82 dBm
6.691500 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1.2 GHz
630 MHz/
Stop 7.5 GHz
RBW 1 MHz
VBW 3 MHz
SWT 15.88 ms
[T1] AV VIEW
Marker 1 [T1]
-51.60 dBm
7.622500 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 7.5 GHz
525 MHz/
Stop 12.75 GHz

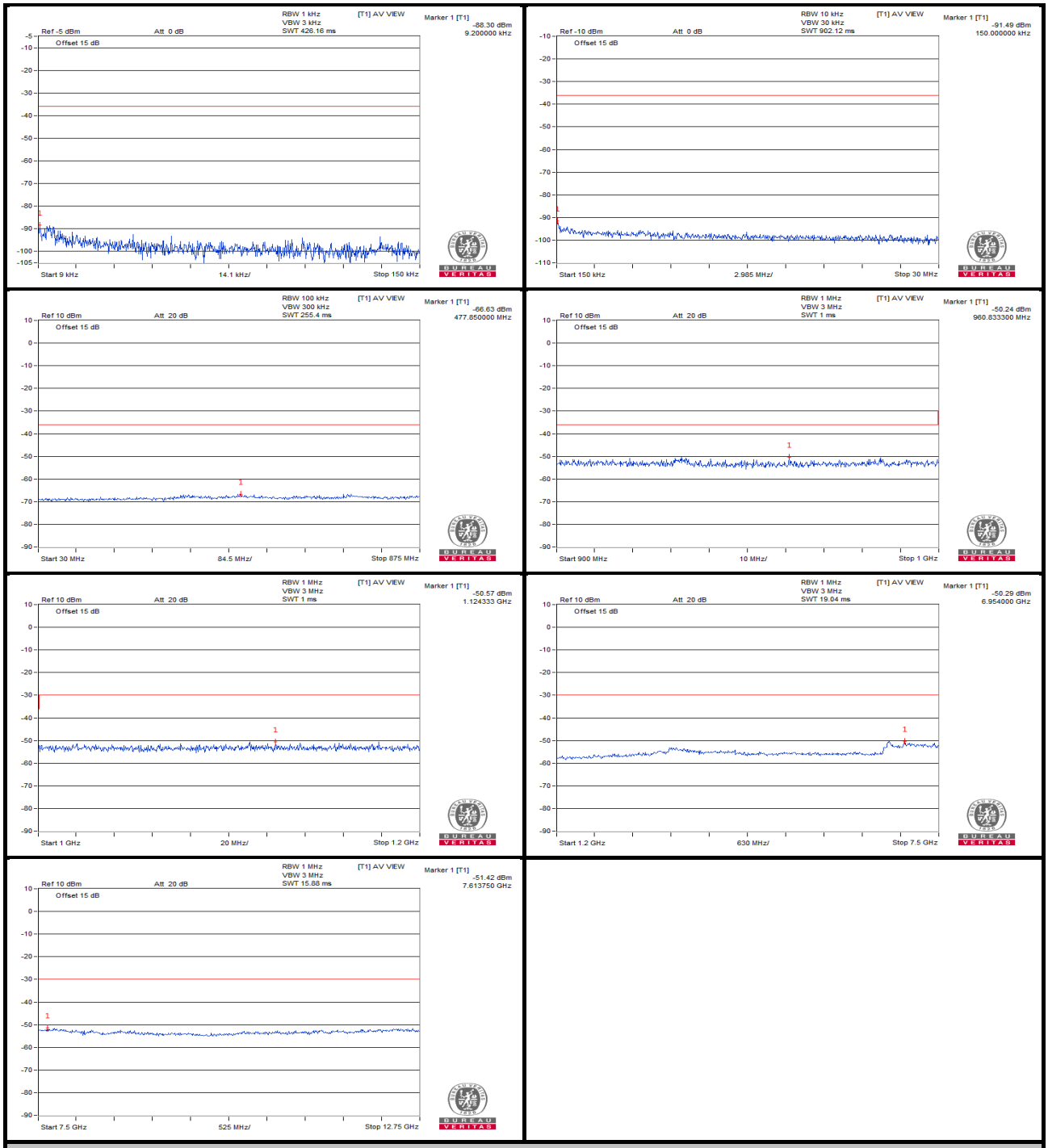
Ch 21650


RBW 1 kHz
VBW 3 kHz
SWT 426.16 ms
[T1] AV VIEW
Marker 1 [T1]
-87.29 dBm
9.900000 kHz
Ref -5 dBm
Att 0 dB
Offset 15 dB
Start 9 kHz
14.1 kHz/
Stop 150 kHz
RBW 10 kHz
VBW 30 kHz
SWT 902.12 ms
[T1] AV VIEW
Marker 1 [T1]
-92.26 dBm
150.000000 kHz
Ref -10 dBm
Att 0 dB
Offset 15 dB
Start 150 kHz
2.985 MHz/
Stop 30 MHz
RBW 100 kHz
VBW 300 kHz
SWT 266.2 ms
[T1] AV VIEW
Marker 1 [T1]
-66.31 dBm
744.916000 MHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 30 MHz
88.08 MHz/
Stop 910.8 MHz
RBW 1 MHz
VBW 3 MHz
SWT 1 ms
[T1] AV VIEW
Marker 1 [T1]
-49.65 dBm
959.722000 MHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 917.8 MHz
8.22 MHz/
Stop 1 GHz
RBW 1 MHz
VBW 3 MHz
SWT 1 ms
[T1] AV VIEW
Marker 1 [T1]
-50.16 dBm
1.012333 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1 GHz
20 MHz/
Stop 1.2 GHz
RBW 1 MHz
VBW 3 MHz
SWT 19.04 ms
[T1] AV VIEW
Marker 1 [T1]
-50.20 dBm
6.691500 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1.2 GHz
630 MHz/
Stop 7.5 GHz
RBW 1 MHz
VBW 3 MHz
SWT 15.88 ms
[T1] AV VIEW
Marker 1 [T1]
-51.57 dBm
7.631250 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 7.5 GHz
525 MHz/
Stop 12.75 GHz

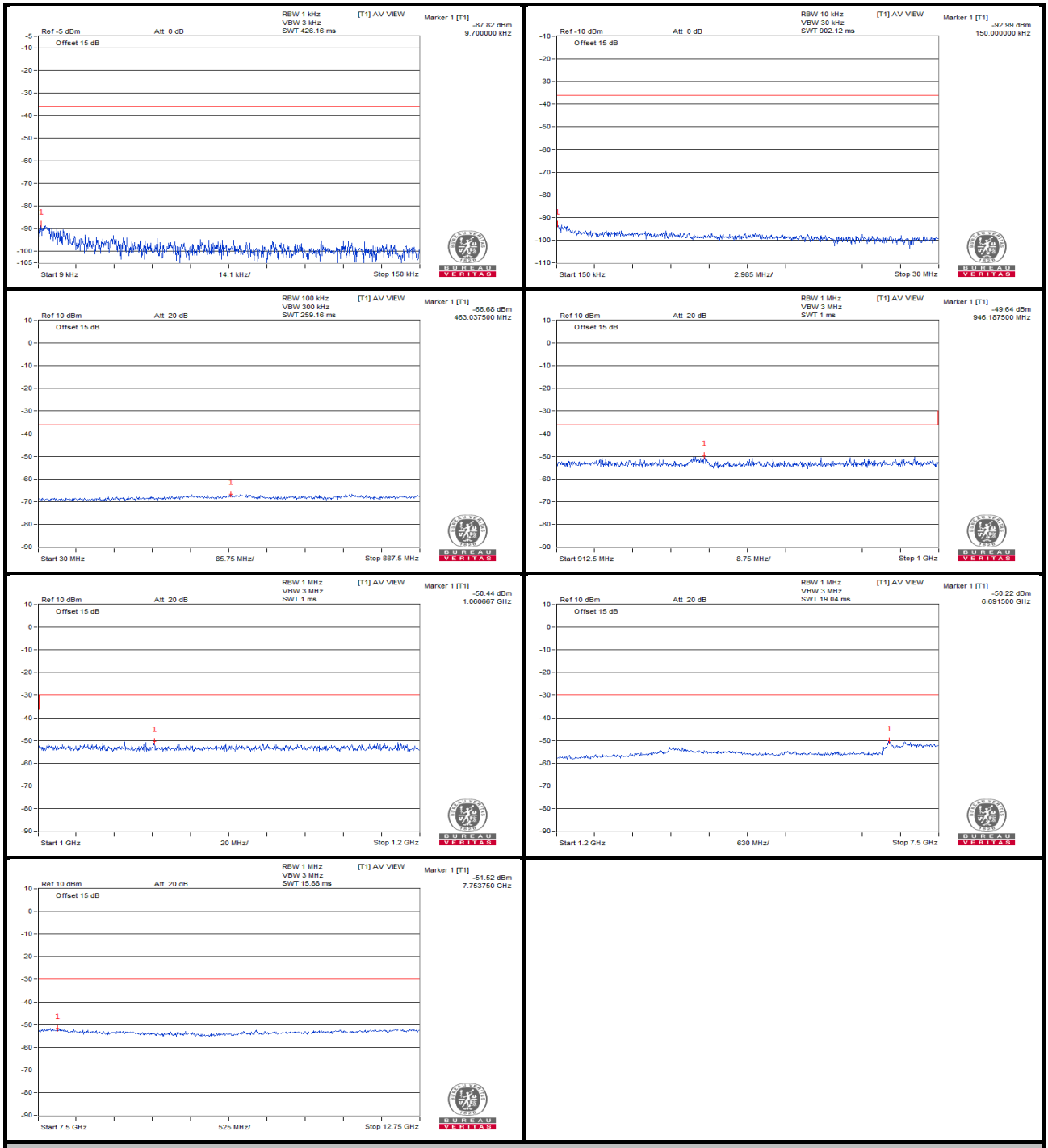
Ch 21793

Bandwidth: 5 MHz / QPSK (1 RB / 0 RB Offset)

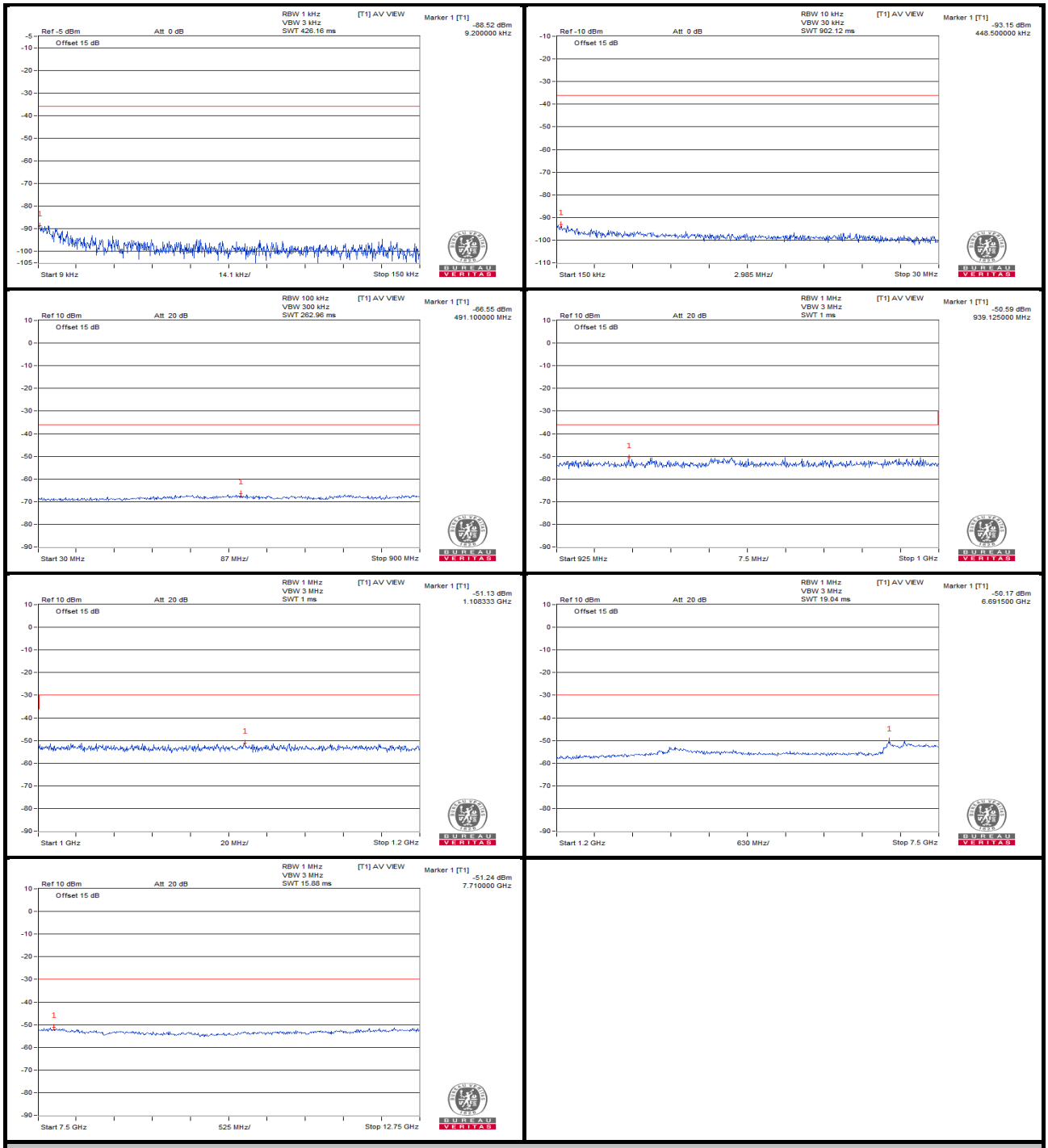
Modulation	Channel	Frequency Range (MHz)	Measurement Value	Limit	Pass / Fail
QPSK	21525	0.009MHz to 0.15MHz	-88.30	-36	PASS
		0.15MHz to 30MHz	-91.49	-36	PASS
		30MHz to 875MHz	-66.63	-36	PASS
		900MHz to 1000MHz	-50.24	-36	PASS
		1000MHz to 1200MHz	-50.57	-30	PASS
		1200MHz to 7500MHz	-50.29	-30	PASS
		7500MHz to 12750MHz	-51.42	-30	PASS
	21650	0.009MHz to 0.15MHz	-87.82	-36	PASS
		0.15MHz to 30MHz	-92.99	-36	PASS
		30MHz to 887.5MHz	-66.68	-36	PASS
		912.5MHz to 1000MHz	-49.64	-36	PASS
		1000MHz to 1200MHz	-50.44	-30	PASS
		1200MHz to 7500MHz	-50.22	-30	PASS
		7500MHz to 12750MHz	-51.52	-30	PASS
	21775	0.009MHz to 0.15MHz	-88.52	-36	PASS
		0.15MHz to 30MHz	-93.15	-36	PASS
		30MHz to 900MHz	-66.55	-36	PASS
		925MHz to 1000MHz	-50.59	-36	PASS
		1000MHz to 1200MHz	-51.13	-30	PASS
		1200MHz to 7500MHz	-50.17	-30	PASS
		7500MHz to 12750MHz	-51.24	-30	PASS


RBW 1 kHz
VBW 3 kHz
SWT 426.16 ms
[T1] AV VIEW
Marker 1 [T1]
-88.30 dBm
9.200000 kHz
Ref -5 dBm
Att 0 dB
Offset 15 dB
Start 9 kHz
14.1 kHz/
Stop 150 kHz
RBW 10 kHz
VBW 30 kHz
SWT 902.12 ms
[T1] AV VIEW
Marker 1 [T1]
-91.49 dBm
150.000000 kHz
Ref -10 dBm
Att 0 dB
Offset 15 dB
Start 150 kHz
2.985 MHz/
Stop 30 MHz
RBW 100 kHz
VBW 300 kHz
SWT 255.4 ms
[T1] AV VIEW
Marker 1 [T1]
-66.63 dBm
477.850000 MHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 30 MHz
84.5 MHz/
Stop 875 MHz
RBW 1 MHz
VBW 3 MHz
SWT 1 ms
[T1] AV VIEW
Marker 1 [T1]
-50.24 dBm
960.833300 MHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 900 MHz
10 MHz/
Stop 1 GHz
RBW 1 MHz
VBW 3 MHz
SWT 1 ms
[T1] AV VIEW
Marker 1 [T1]
-50.57 dBm
1.124333 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1 GHz
20 MHz/
Stop 1.2 GHz
RBW 1 MHz
VBW 3 MHz
SWT 19.04 ms
[T1] AV VIEW
Marker 1 [T1]
-50.29 dBm
6.954000 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1.2 GHz
630 MHz/
Stop 7.5 GHz
RBW 1 MHz
VBW 3 MHz
SWT 15.88 ms
[T1] AV VIEW
Marker 1 [T1]
-51.42 dBm
7.613750 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 7.5 GHz
525 MHz/
Stop 12.75 GHz

Ch 21525


RBW 1 kHz
VBW 3 kHz
SWT 426.16 ms
[T1] AV VIEW
Marker 1 [T1]
-87.82 dBm
9.700000 kHz
Ref -5 dBm
Att 0 dB
Offset 15 dB
Start 9 kHz
14.1 kHz/
Stop 150 kHz
RBW 10 kHz
VBW 30 kHz
SWT 902.12 ms
[T1] AV VIEW
Marker 1 [T1]
-92.99 dBm
150.000000 kHz
Ref -10 dBm
Att 0 dB
Offset 15 dB
Start 150 kHz
2.985 MHz/
Stop 30 MHz
RBW 100 kHz
VBW 300 kHz
SWT 259.16 ms
[T1] AV VIEW
Marker 1 [T1]
-66.68 dBm
463.037500 MHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 30 MHz
85.75 MHz/
Stop 887.5 MHz
RBW 1 MHz
VBW 3 MHz
SWT 1 ms
[T1] AV VIEW
Marker 1 [T1]
-49.64 dBm
946.187500 MHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 912.5 MHz
8.75 MHz/
Stop 1 GHz
RBW 1 MHz
VBW 3 MHz
SWT 1 ms
[T1] AV VIEW
Marker 1 [T1]
-50.44 dBm
1.060867 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1 GHz
20 MHz/
Stop 1.2 GHz
RBW 1 MHz
VBW 3 MHz
SWT 19.04 ms
[T1] AV VIEW
Marker 1 [T1]
-50.22 dBm
6.691500 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1.2 GHz
630 MHz/
Stop 7.5 GHz
RBW 1 MHz
VBW 3 MHz
SWT 15.88 ms
[T1] AV VIEW
Marker 1 [T1]
-51.52 dBm
7.753750 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 7.5 GHz
525 MHz/
Stop 12.75 GHz

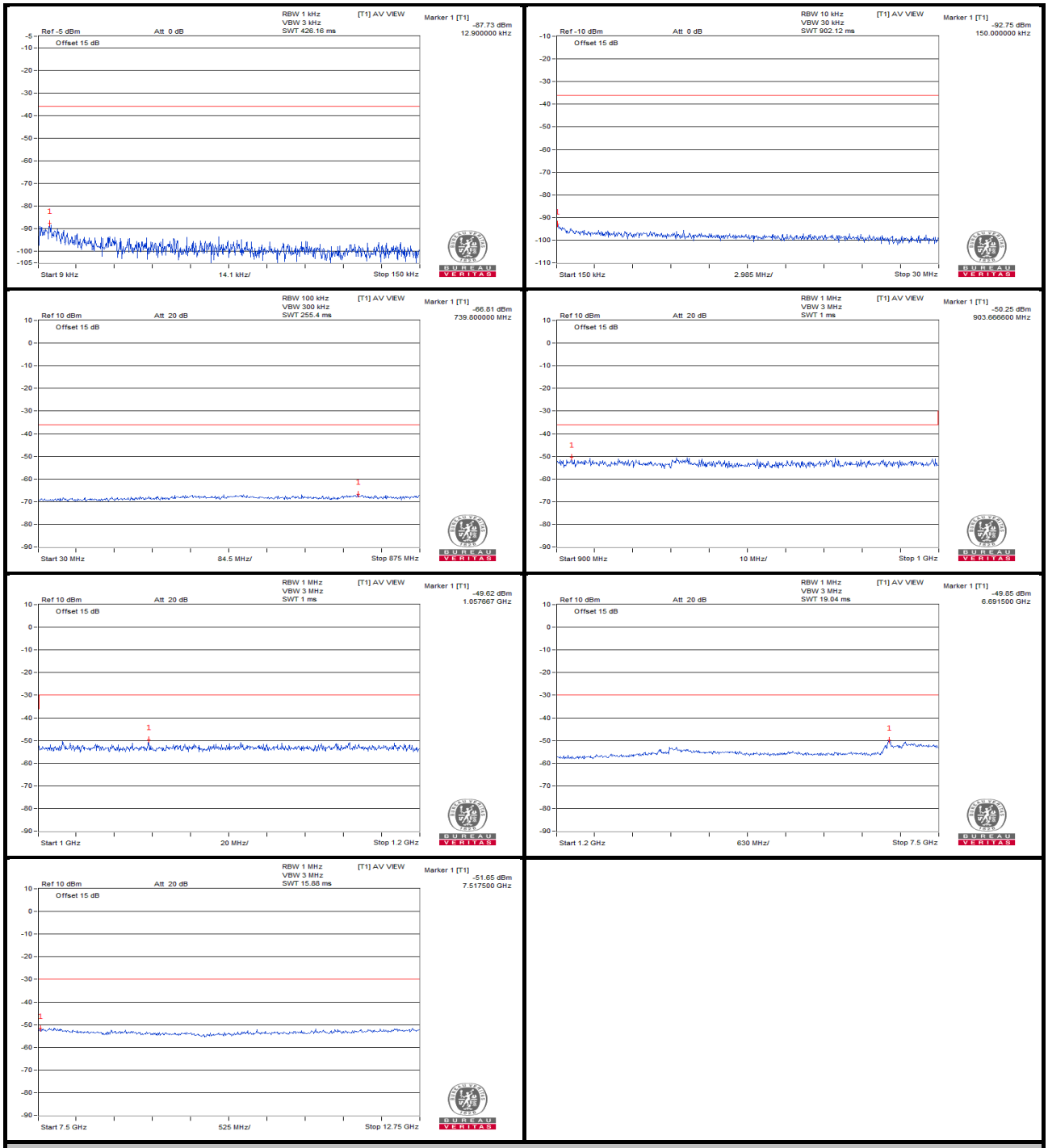
Ch 21650


RBW 1 kHz
VBW 3 kHz
SWT 426.16 ms
[T1] AV VIEW
Marker 1 [T1]
-88.52 dBm
9.200000 kHz
Ref -5 dBm
Att 0 dB
Offset 15 dB
Start 9 kHz
14.1 kHz/
Stop 150 kHz
RBW 10 kHz
VBW 30 kHz
SWT 902.12 ms
[T1] AV VIEW
Marker 1 [T1]
-93.15 dBm
448.500000 kHz
Ref -10 dBm
Att 0 dB
Offset 15 dB
Start 150 kHz
2.985 MHz/
Stop 30 MHz
RBW 100 kHz
VBW 300 kHz
SWT 262.96 ms
[T1] AV VIEW
Marker 1 [T1]
-66.55 dBm
491.100000 MHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 30 MHz
87 MHz/
Stop 900 MHz
RBW 1 MHz
VBW 3 MHz
SWT 1 ms
[T1] AV VIEW
Marker 1 [T1]
-50.59 dBm
939.125000 MHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 925 MHz
7.5 MHz/
Stop 1 GHz
RBW 1 MHz
VBW 3 MHz
SWT 1 ms
[T1] AV VIEW
Marker 1 [T1]
-51.13 dBm
1.108333 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1 GHz
20 MHz/
Stop 1.2 GHz
RBW 1 MHz
VBW 3 MHz
SWT 19.04 ms
[T1] AV VIEW
Marker 1 [T1]
-50.17 dBm
6.691500 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1.2 GHz
630 MHz/
Stop 7.5 GHz
RBW 1 MHz
VBW 3 MHz
SWT 15.88 ms
[T1] AV VIEW
Marker 1 [T1]
-51.24 dBm
7.710000 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 7.5 GHz
525 MHz/
Stop 12.75 GHz

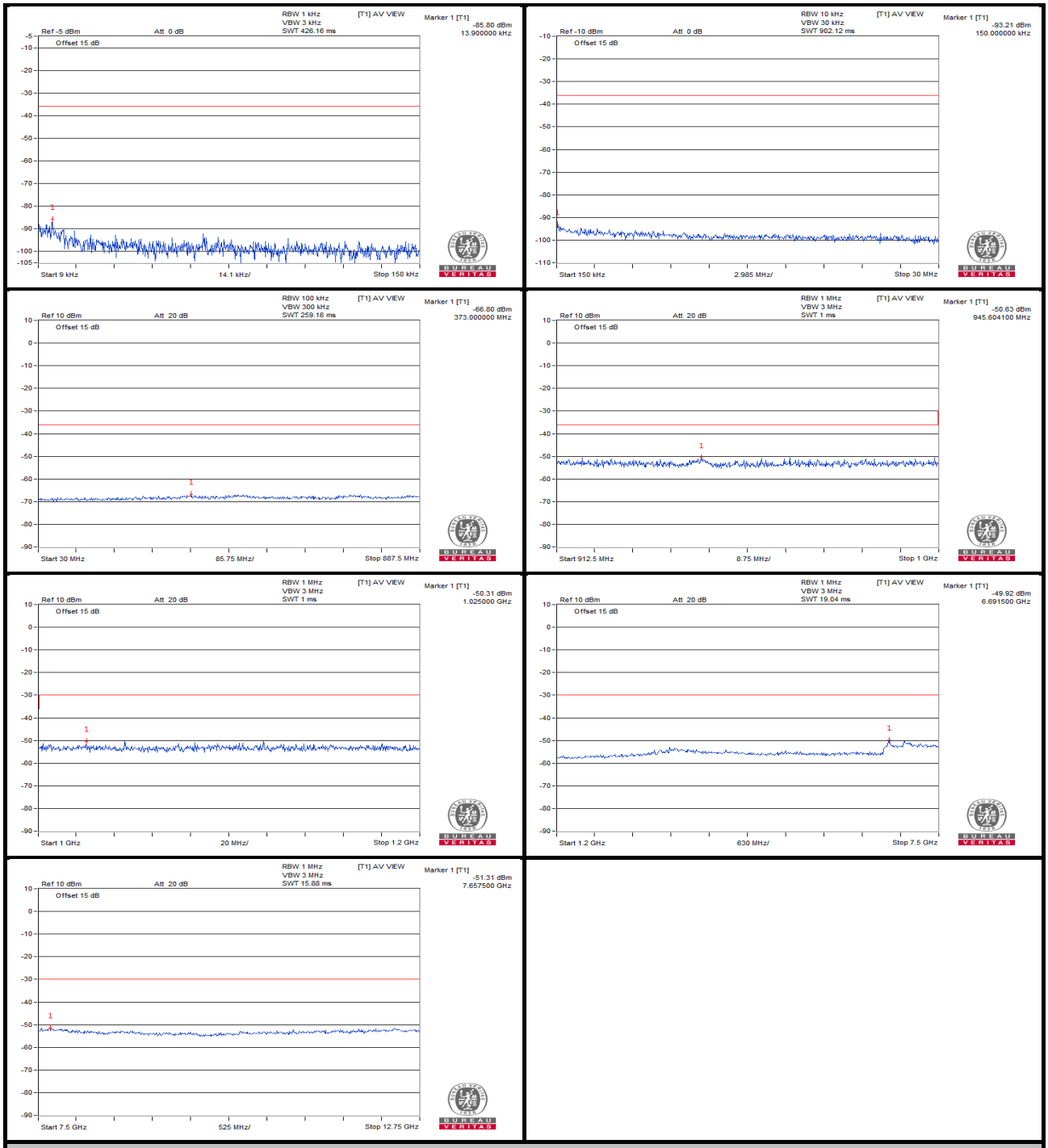
Ch 21775

Bandwidth: 5 MHz / QPSK (25 RB / 0 RB Offset)

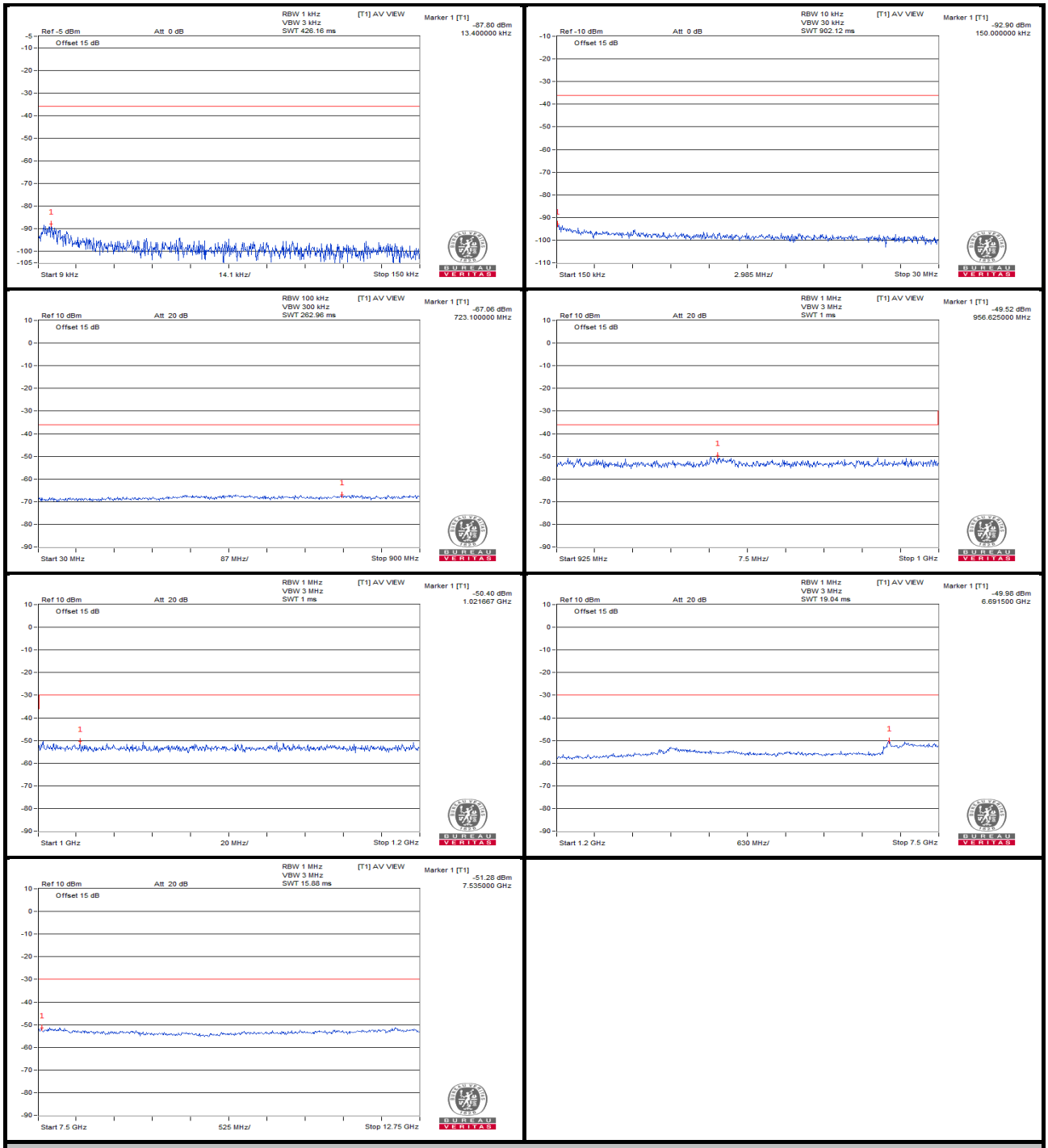
Modulation	Channel	Frequency Range (MHz)	Measurement Value	Limit	Pass / Fail
QPSK	21525	0.009MHz to 0.15MHz	-87.73	-36	PASS
		0.15MHz to 30MHz	-92.75	-36	PASS
		30MHz to 875MHz	-66.81	-36	PASS
		900MHz to 1000MHz	-50.25	-36	PASS
		1000MHz to 1200MHz	-49.62	-30	PASS
		1200MHz to 7500MHz	-49.85	-30	PASS
		7500MHz to 12750MHz	-51.65	-30	PASS
	21650	0.009MHz to 0.15MHz	-85.80	-36	PASS
		0.15MHz to 30MHz	-93.21	-36	PASS
		30MHz to 887.5MHz	-66.80	-36	PASS
		912.5MHz to 1000MHz	-50.63	-36	PASS
		1000MHz to 1200MHz	-50.31	-30	PASS
		1200MHz to 7500MHz	-49.92	-30	PASS
		7500MHz to 12750MHz	-51.31	-30	PASS
	21775	0.009MHz to 0.15MHz	-87.80	-36	PASS
		0.15MHz to 30MHz	-92.90	-36	PASS
		30MHz to 900MHz	-67.06	-36	PASS
		925MHz to 1000MHz	-49.52	-36	PASS
		1000MHz to 1200MHz	-50.40	-30	PASS
		1200MHz to 7500MHz	-49.98	-30	PASS
		7500MHz to 12750MHz	-51.28	-30	PASS


RBW 1 kHz
VBW 3 kHz
SWT 426.16 ms
[T1] AV VIEW
Marker 1 [T1]
-87.73 dBm
12.900000 kHz
Ref -5 dBm
Att 0 dB
Offset 15 dB
Start 9 kHz
14.1 kHz/
Stop 150 kHz
RBW 10 kHz
VBW 30 kHz
SWT 902.12 ms
[T1] AV VIEW
Marker 1 [T1]
-92.75 dBm
150.000000 kHz
Ref -10 dBm
Att 0 dB
Offset 15 dB
Start 150 kHz
2.985 MHz/
Stop 30 MHz
RBW 100 kHz
VBW 300 kHz
SWT 255.4 ms
[T1] AV VIEW
Marker 1 [T1]
-66.81 dBm
739.800000 MHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 30 MHz
84.5 MHz/
Stop 875 MHz
RBW 1 MHz
VBW 3 MHz
SWT 1 ms
[T1] AV VIEW
Marker 1 [T1]
-50.25 dBm
903.666600 MHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 900 MHz
10 MHz/
Stop 1 GHz
RBW 1 MHz
VBW 3 MHz
SWT 1 ms
[T1] AV VIEW
Marker 1 [T1]
-49.62 dBm
1.057867 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1 GHz
20 MHz/
Stop 1.2 GHz
RBW 1 MHz
VBW 3 MHz
SWT 19.04 ms
[T1] AV VIEW
Marker 1 [T1]
-49.85 dBm
6.691500 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1.2 GHz
630 MHz/
Stop 7.5 GHz
RBW 1 MHz
VBW 3 MHz
SWT 15.88 ms
[T1] AV VIEW
Marker 1 [T1]
-51.65 dBm
7.517500 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 7.5 GHz
525 MHz/
Stop 12.75 GHz

Ch 21525


RBW 1 kHz
VBW 3 kHz
SWT 426.16 ms
[T1] AV VIEW
Marker 1 [T1]
-85.80 dBm
13.900000 kHz
Ref -5 dBm
Att 0 dB
Offset 15 dB
Start 9 kHz
14.1 kHz/
Stop 150 kHz
RBW 10 kHz
VBW 30 kHz
SWT 902.12 ms
[T1] AV VIEW
Marker 1 [T1]
-93.21 dBm
150.000000 kHz
Ref -10 dBm
Att 0 dB
Offset 15 dB
Start 150 kHz
2.985 MHz/
Stop 30 MHz
RBW 100 kHz
VBW 300 kHz
SWT 259.16 ms
[T1] AV VIEW
Marker 1 [T1]
-66.80 dBm
373.000000 MHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 30 MHz
85.75 MHz/
Stop 887.5 MHz
RBW 1 MHz
VBW 3 MHz
SWT 1 ms
[T1] AV VIEW
Marker 1 [T1]
-50.63 dBm
945.604100 MHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 912.5 MHz
8.75 MHz/
Stop 1 GHz
RBW 1 MHz
VBW 3 MHz
SWT 1 ms
[T1] AV VIEW
Marker 1 [T1]
-50.31 dBm
1.025000 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1 GHz
20 MHz/
Stop 1.2 GHz
RBW 1 MHz
VBW 3 MHz
SWT 19.04 ms
[T1] AV VIEW
Marker 1 [T1]
-49.92 dBm
6.691500 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1.2 GHz
630 MHz/
Stop 7.5 GHz
RBW 1 MHz
VBW 3 MHz
SWT 15.88 ms
[T1] AV VIEW
Marker 1 [T1]
-51.31 dBm
7.657500 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 7.5 GHz
525 MHz/
Stop 12.75 GHz

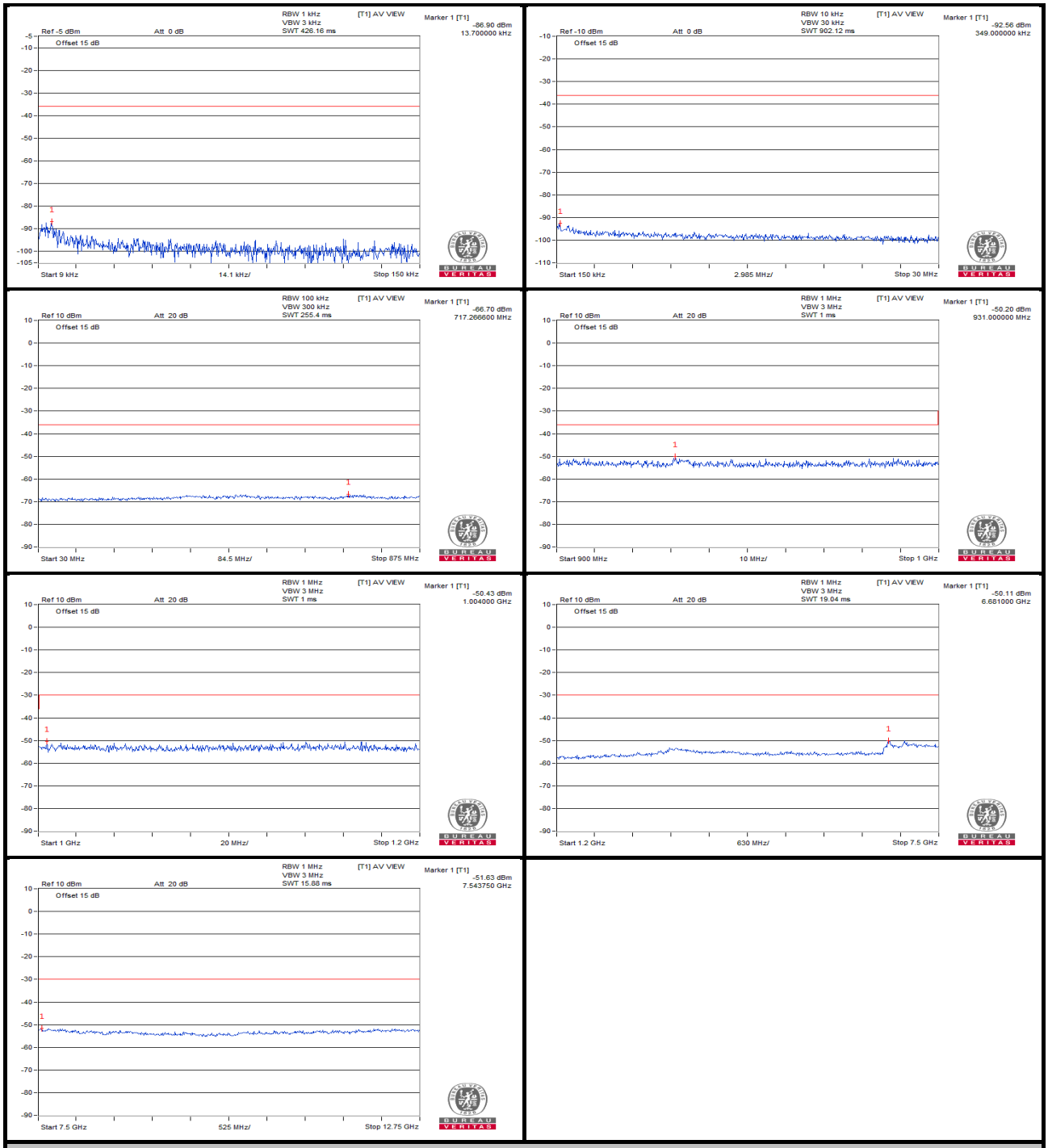
Ch 21650


RBW 1 kHz
VBW 3 kHz
SWT 426.16 ms
[T1] AV VIEW
Marker 1 [T1]
-87.80 dBm
13.400000 kHz
Ref -5 dBm
Att 0 dB
Offset 15 dB
Start 9 kHz
14.1 kHz/
Stop 150 kHz
RBW 10 kHz
VBW 30 kHz
SWT 902.12 ms
[T1] AV VIEW
Marker 1 [T1]
-92.90 dBm
150.000000 kHz
Ref -10 dBm
Att 0 dB
Offset 15 dB
Start 150 kHz
2.985 MHz/
Stop 30 MHz
RBW 100 kHz
VBW 300 kHz
SWT 262.96 ms
[T1] AV VIEW
Marker 1 [T1]
-67.06 dBm
723.100000 MHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 30 MHz
87 MHz/
Stop 900 MHz
RBW 1 MHz
VBW 3 MHz
SWT 1 ms
[T1] AV VIEW
Marker 1 [T1]
-49.52 dBm
956.625000 MHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 925 MHz
7.5 MHz/
Stop 1 GHz
RBW 1 MHz
VBW 3 MHz
SWT 1 ms
[T1] AV VIEW
Marker 1 [T1]
-50.40 dBm
1.021667 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1 GHz
20 MHz/
Stop 1.2 GHz
RBW 1 MHz
VBW 3 MHz
SWT 19.04 ms
[T1] AV VIEW
Marker 1 [T1]
-49.98 dBm
6.691500 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1.2 GHz
630 MHz/
Stop 7.5 GHz
RBW 1 MHz
VBW 3 MHz
SWT 15.88 ms
[T1] AV VIEW
Marker 1 [T1]
-51.28 dBm
7.535000 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 7.5 GHz
525 MHz/
Stop 12.75 GHz

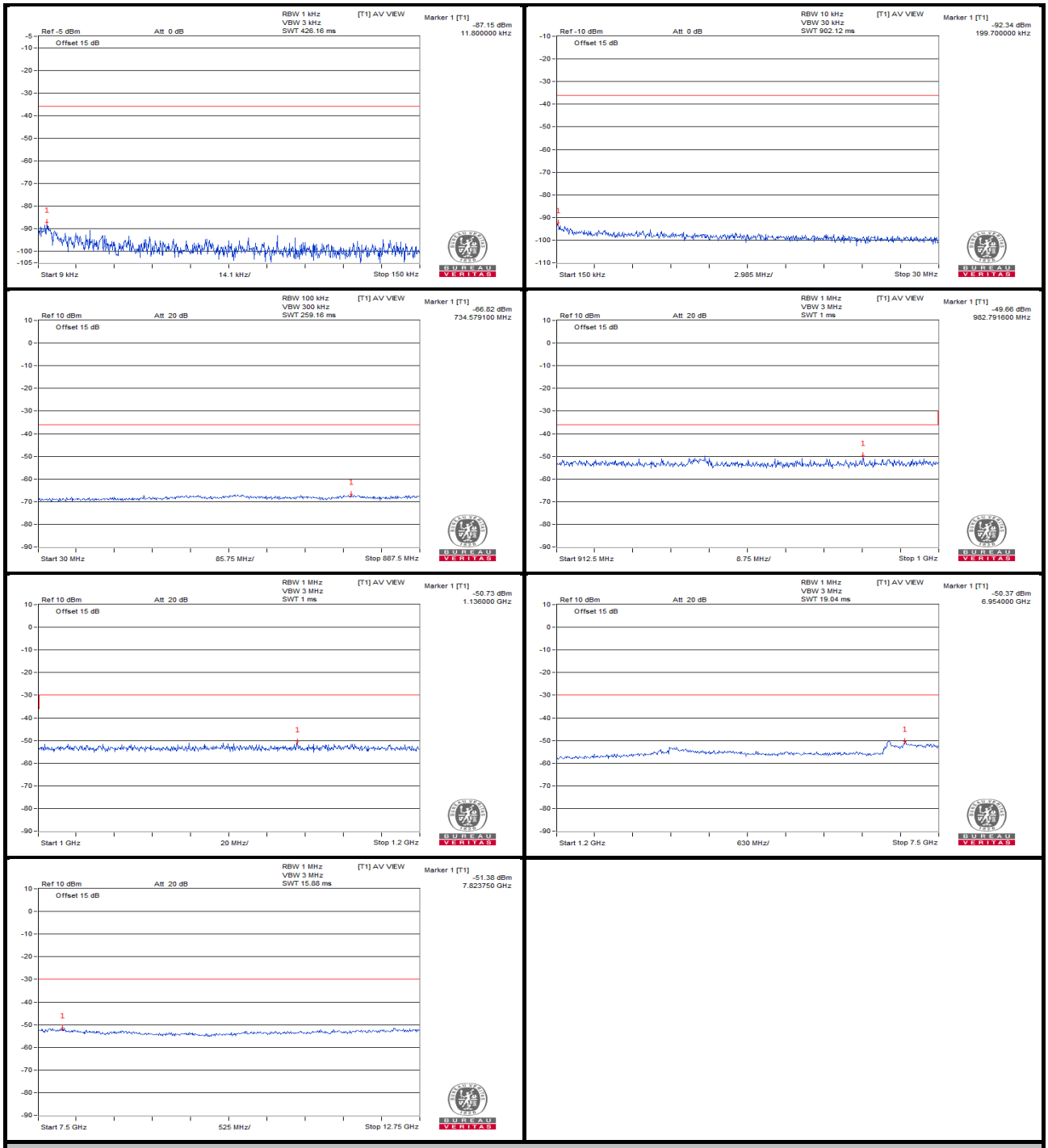
Ch 21775

Bandwidth: 5 MHz / QPSK (1 RB / 24 RB Offset)

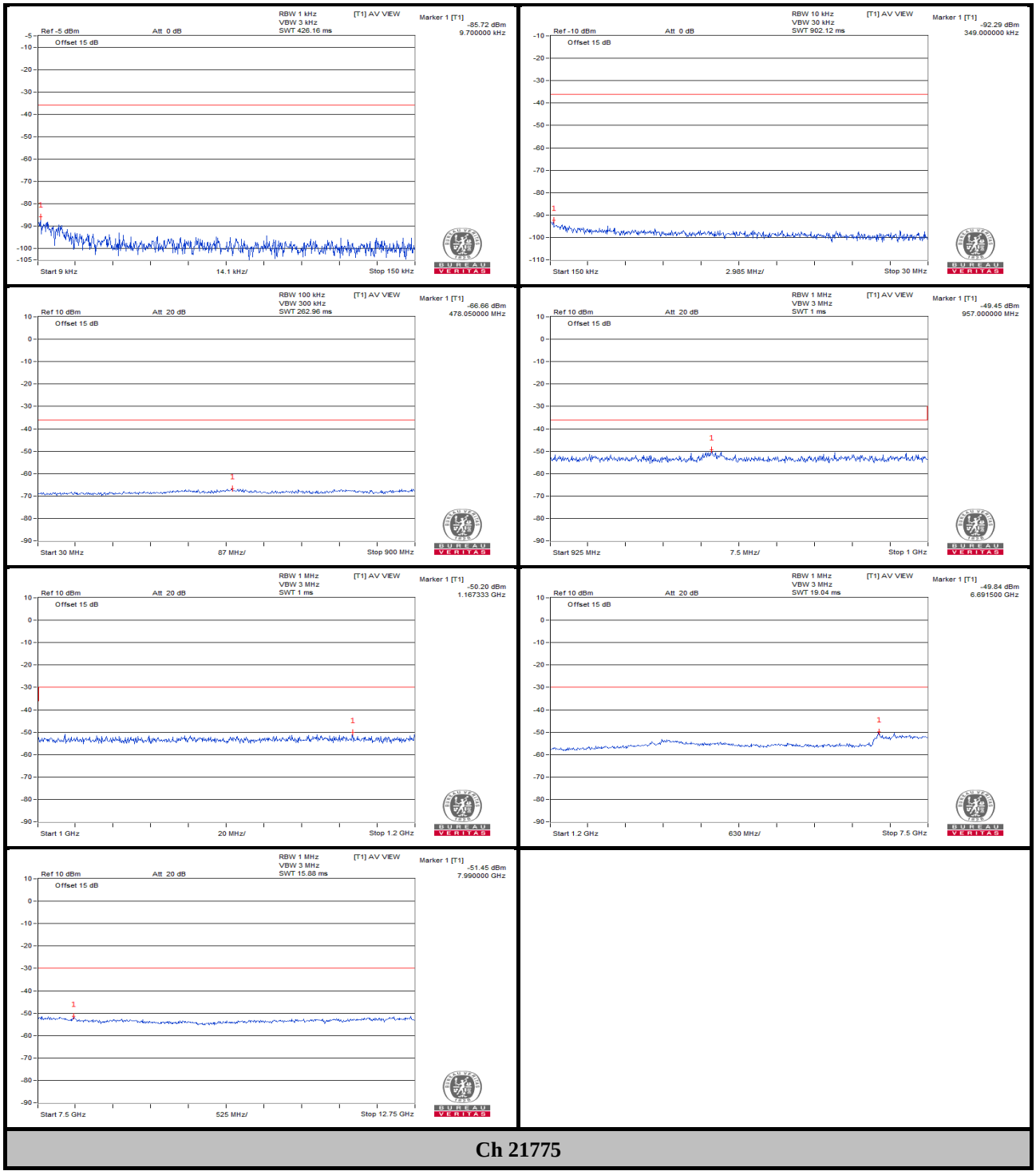
Modulation	Channel	Frequency Range (MHz)	Measurement Value	Limit	Pass / Fail
QPSK	21525	0.009MHz to 0.15MHz	-86.90	-36	PASS
		0.15MHz to 30MHz	-92.56	-36	PASS
		30MHz to 875MHz	-66.70	-36	PASS
		900MHz to 1000MHz	-50.20	-36	PASS
		1000MHz to 1200MHz	-50.43	-30	PASS
		1200MHz to 7500MHz	-50.11	-30	PASS
		7500MHz to 12750MHz	-51.63	-30	PASS
	21650	0.009MHz to 0.15MHz	-87.15	-36	PASS
		0.15MHz to 30MHz	-92.34	-36	PASS
		30MHz to 887.5MHz	-66.82	-36	PASS
		912.5MHz to 1000MHz	-49.66	-36	PASS
		1000MHz to 1200MHz	-50.73	-30	PASS
		1200MHz to 7500MHz	-50.37	-30	PASS
		7500MHz to 12750MHz	-51.38	-30	PASS
	21775	0.009MHz to 0.15MHz	-85.72	-36	PASS
		0.15MHz to 30MHz	-92.29	-36	PASS
		30MHz to 900MHz	-66.66	-36	PASS
		925MHz to 1000MHz	-49.45	-36	PASS
		1000MHz to 1200MHz	-50.20	-30	PASS
		1200MHz to 7500MHz	-49.84	-30	PASS
		7500MHz to 12750MHz	-51.45	-30	PASS


RBW 1 kHz
VBW 3 kHz
SWT 426.16 ms
[T1] AV VIEW
Marker 1 [T1]
-86.90 dBm
13.700000 kHz
Ref -5 dBm
Att 0 dB
Offset 15 dB
Start 9 kHz
14.1 kHz/
Stop 150 kHz
RBW 10 kHz
VBW 30 kHz
SWT 902.12 ms
[T1] AV VIEW
Marker 1 [T1]
-92.56 dBm
349.000000 kHz
Ref -10 dBm
Att 0 dB
Offset 15 dB
Start 150 kHz
2.985 MHz/
Stop 30 MHz
RBW 100 kHz
VBW 300 kHz
SWT 255.4 ms
[T1] AV VIEW
Marker 1 [T1]
-66.70 dBm
717.266600 MHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 30 MHz
84.5 MHz/
Stop 875 MHz
RBW 1 MHz
VBW 3 MHz
SWT 1 ms
[T1] AV VIEW
Marker 1 [T1]
-50.20 dBm
931.000000 MHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 900 MHz
10 MHz/
Stop 1 GHz
RBW 1 MHz
VBW 3 MHz
SWT 1 ms
[T1] AV VIEW
Marker 1 [T1]
-50.43 dBm
1.004000 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1 GHz
20 MHz/
Stop 1.2 GHz
RBW 1 MHz
VBW 3 MHz
SWT 19.04 ms
[T1] AV VIEW
Marker 1 [T1]
-50.11 dBm
6.681000 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1.2 GHz
630 MHz/
Stop 7.5 GHz
RBW 1 MHz
VBW 3 MHz
SWT 15.88 ms
[T1] AV VIEW
Marker 1 [T1]
-51.63 dBm
7.543750 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 7.5 GHz
525 MHz/
Stop 12.75 GHz

Ch 21525


RBW 1 kHz
VBW 3 kHz
SWT 426.16 ms
[T1] AV VIEW
Marker 1 [T1]
-87.15 dBm
11.800000 kHz
Ref -5 dBm
Att 0 dB
Offset 15 dB
Start 9 kHz
14.1 kHz/
Stop 150 kHz
RBW 10 kHz
VBW 30 kHz
SWT 902.12 ms
[T1] AV VIEW
Marker 1 [T1]
-92.34 dBm
199.700000 kHz
Ref -10 dBm
Att 0 dB
Offset 15 dB
Start 150 kHz
2.985 MHz/
Stop 30 MHz
RBW 100 kHz
VBW 300 kHz
SWT 259.16 ms
[T1] AV VIEW
Marker 1 [T1]
-66.82 dBm
734.579100 MHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 30 MHz
85.75 MHz/
Stop 887.5 MHz
RBW 1 MHz
VBW 3 MHz
SWT 1 ms
[T1] AV VIEW
Marker 1 [T1]
-49.66 dBm
982.791600 MHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 912.5 MHz
8.75 MHz/
Stop 1 GHz
RBW 1 MHz
VBW 3 MHz
SWT 1 ms
[T1] AV VIEW
Marker 1 [T1]
-50.73 dBm
1.136000 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1 GHz
20 MHz/
Stop 1.2 GHz
RBW 1 MHz
VBW 3 MHz
SWT 19.04 ms
[T1] AV VIEW
Marker 1 [T1]
-50.37 dBm
6.954000 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1.2 GHz
630 MHz/
Stop 7.5 GHz
RBW 1 MHz
VBW 3 MHz
SWT 15.88 ms
[T1] AV VIEW
Marker 1 [T1]
-51.38 dBm
7.823750 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 7.5 GHz
525 MHz/
Stop 12.75 GHz

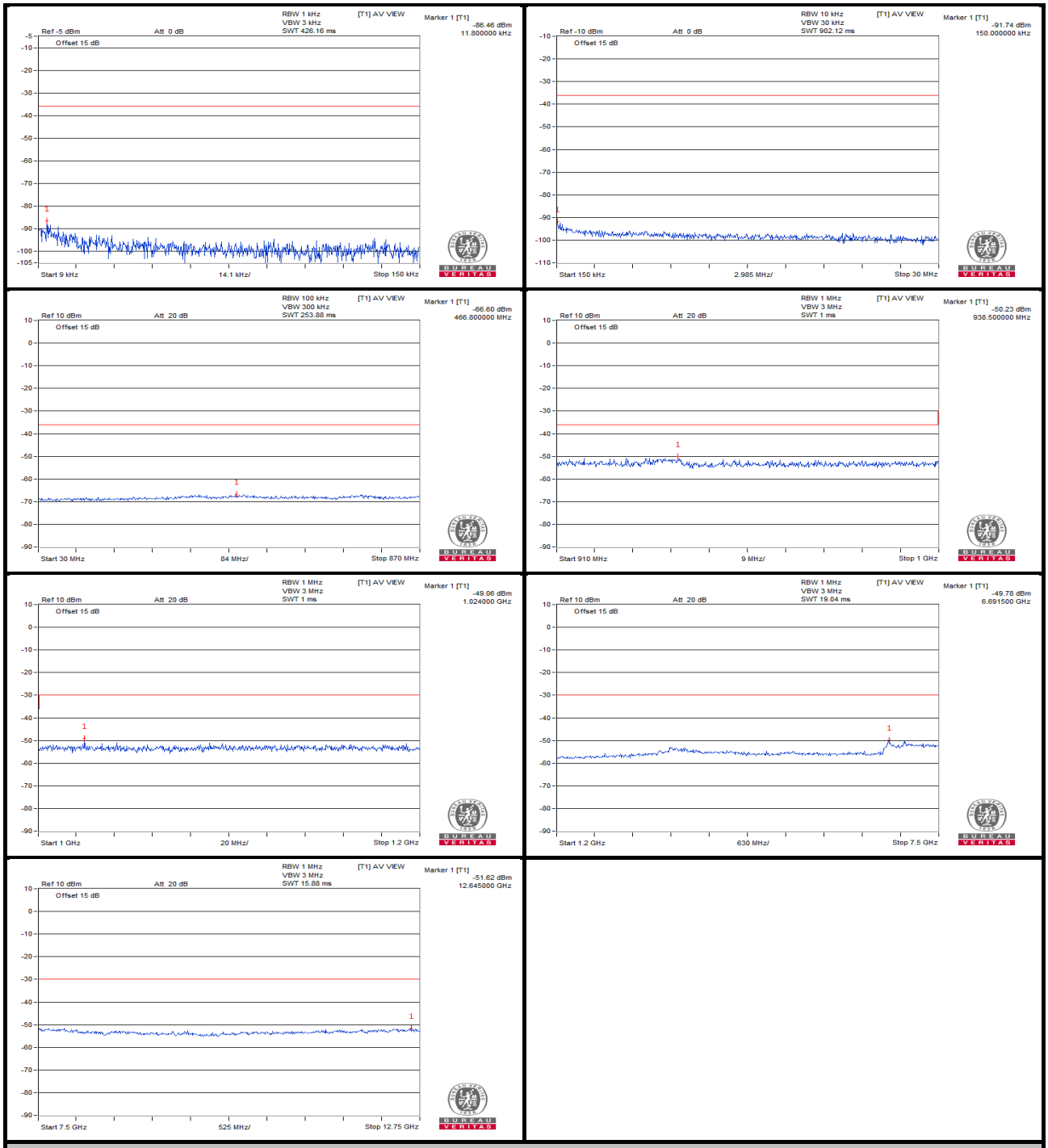
Ch 21650


RBW 1 kHz
VBW 3 kHz
SWT 426.16 ms
[T1] AV VIEW
Marker 1 [T1]
-85.72 dBm
9.700000 kHz
Ref -5 dBm
Att 0 dB
Offset 15 dB
Start 9 kHz
14.1 kHz/
Stop 150 kHz
RBW 10 kHz
VBW 30 kHz
SWT 902.12 ms
[T1] AV VIEW
Marker 1 [T1]
-92.29 dBm
349.000000 kHz
Ref -10 dBm
Att 0 dB
Offset 15 dB
Start 150 kHz
2.985 MHz/
Stop 30 MHz
RBW 100 kHz
VBW 300 kHz
SWT 262.96 ms
[T1] AV VIEW
Marker 1 [T1]
-66.66 dBm
478.050000 MHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 30 MHz
87 MHz/
Stop 900 MHz
RBW 1 MHz
VBW 3 MHz
SWT 1 ms
[T1] AV VIEW
Marker 1 [T1]
-49.45 dBm
957.000000 MHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 925 MHz
7.5 MHz/
Stop 1 GHz
RBW 1 MHz
VBW 3 MHz
SWT 1 ms
[T1] AV VIEW
Marker 1 [T1]
-50.20 dBm
1.167333 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1 GHz
20 MHz/
Stop 1.2 GHz
RBW 1 MHz
VBW 3 MHz
SWT 19.04 ms
[T1] AV VIEW
Marker 1 [T1]
-49.84 dBm
6.691500 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1.2 GHz
630 MHz/
Stop 7.5 GHz
RBW 1 MHz
VBW 3 MHz
SWT 15.88 ms
[T1] AV VIEW
Marker 1 [T1]
-51.45 dBm
7.990000 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 7.5 GHz
525 MHz/
Stop 12.75 GHz

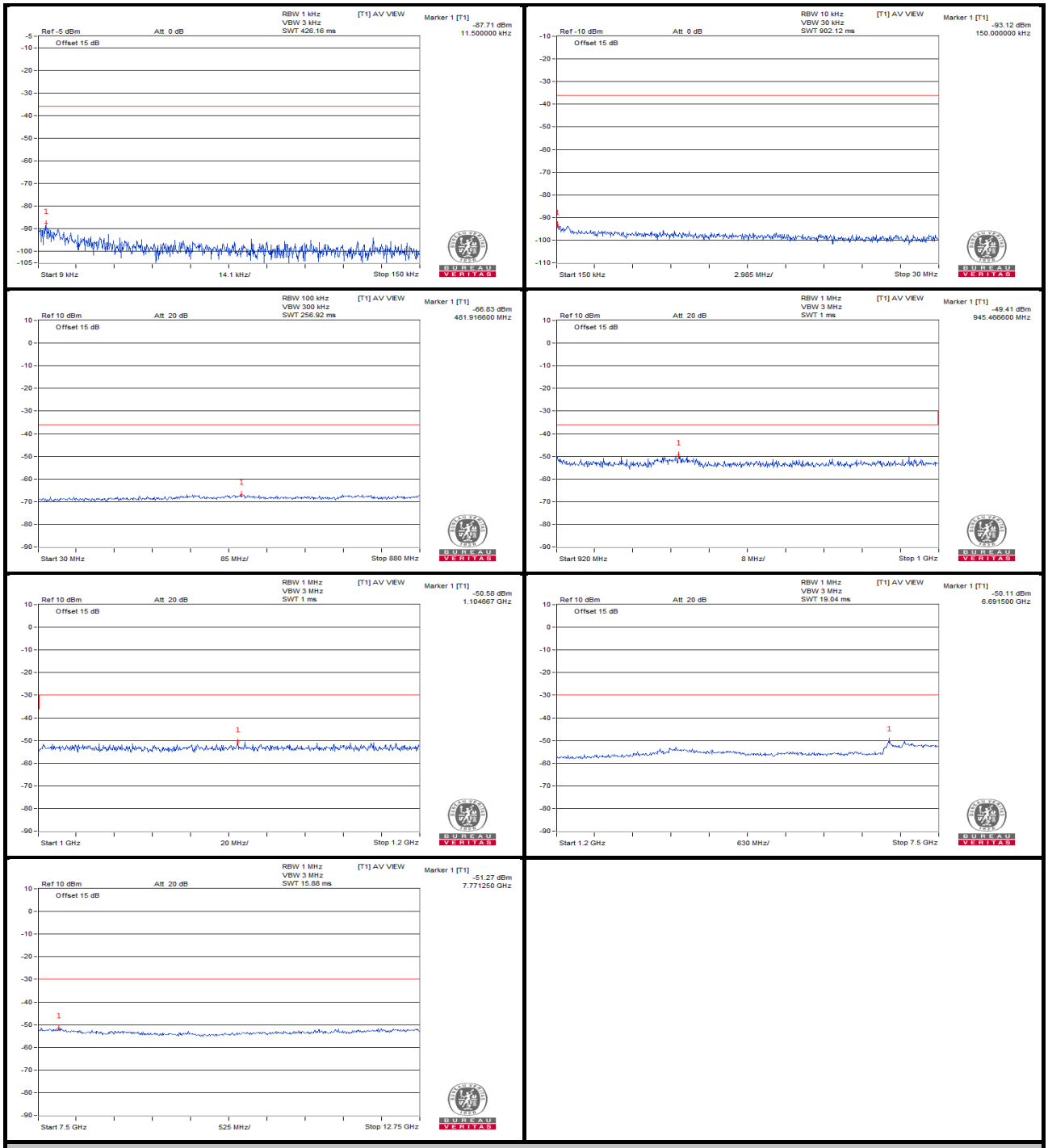
Ch 21775

Bandwidth: 10 MHz / QPSK (1 RB / 0 RB Offset)

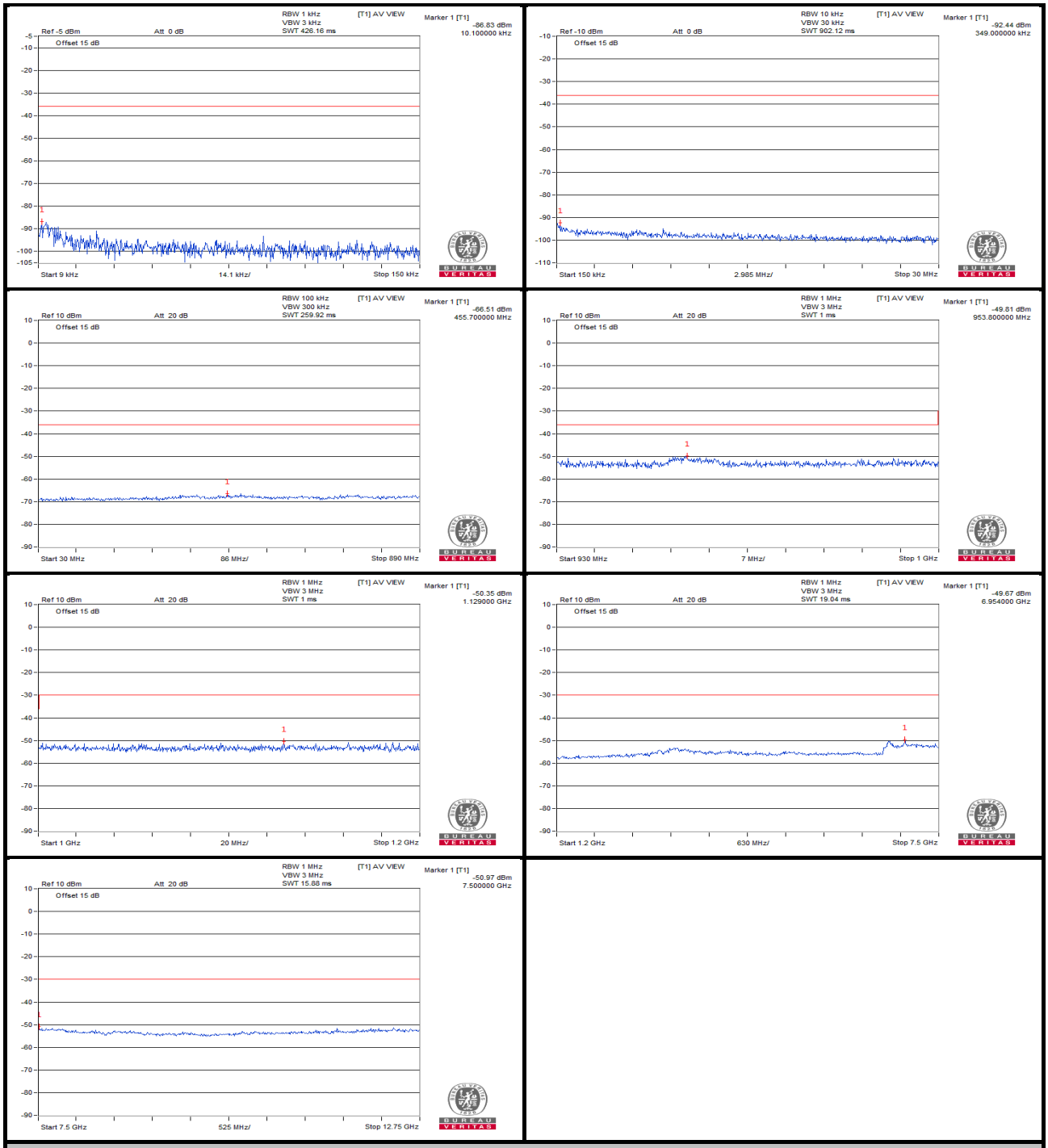
Modulation	Channel	Frequency Range (MHz)	Measurement Value	Limit	Pass / Fail
QPSK	21550	0.009MHz to 0.15MHz	-86.46	-36	PASS
		0.15MHz to 30MHz	-91.74	-36	PASS
		30MHz to 870MHz	-66.60	-36	PASS
		910MHz to 1000MHz	-50.23	-36	PASS
		1000MHz to 1200MHz	-49.06	-30	PASS
		1200MHz to 7500MHz	-49.78	-30	PASS
		7500MHz to 12750MHz	-51.62	-30	PASS
	21650	0.009MHz to 0.15MHz	-87.71	-36	PASS
		0.15MHz to 30MHz	-93.12	-36	PASS
		30MHz to 880MHz	-66.83	-36	PASS
		920MHz to 1000MHz	-49.41	-36	PASS
		1000MHz to 1200MHz	-50.58	-30	PASS
		1200MHz to 7500MHz	-50.11	-30	PASS
		7500MHz to 12750MHz	-51.27	-30	PASS
	21750	0.009MHz to 0.15MHz	-86.83	-36	PASS
		0.15MHz to 30MHz	-92.44	-36	PASS
		30MHz to 890MHz	-66.51	-36	PASS
		930MHz to 1000MHz	-49.81	-36	PASS
		1000MHz to 1200MHz	-50.35	-30	PASS
		1200MHz to 7500MHz	-49.67	-30	PASS
		7500MHz to 12750MHz	-50.97	-30	PASS


RBW 1 kHz
VBW 3 kHz
SWT 426.16 ms
[T1] AV VIEW
Marker 1 [T1]
-86.46 dBm
11.800000 kHz
Ref -5 dBm
Att 0 dB
Offset 15 dB
Start 9 kHz
14.1 kHz/
Stop 150 kHz
RBW 10 kHz
VBW 30 kHz
SWT 902.12 ms
[T1] AV VIEW
Marker 1 [T1]
-91.74 dBm
150.000000 kHz
Ref -10 dBm
Att 0 dB
Offset 15 dB
Start 150 kHz
2.985 MHz/
Stop 30 MHz
RBW 100 kHz
VBW 300 kHz
SWT 253.88 ms
[T1] AV VIEW
Marker 1 [T1]
-66.60 dBm
466.800000 MHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 30 MHz
84 MHz/
Stop 870 MHz
RBW 1 MHz
VBW 3 MHz
SWT 1 ms
[T1] AV VIEW
Marker 1 [T1]
-50.23 dBm
938.500000 MHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 910 MHz
9 MHz/
Stop 1 GHz
RBW 1 MHz
VBW 3 MHz
SWT 1 ms
[T1] AV VIEW
Marker 1 [T1]
-49.06 dBm
1.024000 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1 GHz
20 MHz/
Stop 1.2 GHz
RBW 1 MHz
VBW 3 MHz
SWT 19.04 ms
[T1] AV VIEW
Marker 1 [T1]
-49.78 dBm
6.691500 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1.2 GHz
630 MHz/
Stop 7.5 GHz
RBW 1 MHz
VBW 3 MHz
SWT 15.88 ms
[T1] AV VIEW
Marker 1 [T1]
-51.62 dBm
12.645000 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 7.5 GHz
525 MHz/
Stop 12.75 GHz

Ch 21550


RBW 1 kHz
VBW 3 kHz
SWT 426.16 ms
[T1] AV VIEW
Marker 1 [T1]
-87.71 dBm
11.500000 kHz
Ref -5 dBm
Att 0 dB
Offset 15 dB
Start 9 kHz
14.1 kHz/
Stop 150 kHz
RBW 10 kHz
VBW 30 kHz
SWT 902.12 ms
[T1] AV VIEW
Marker 1 [T1]
-93.12 dBm
150.000000 kHz
Ref -10 dBm
Att 0 dB
Offset 15 dB
Start 150 kHz
2.985 MHz/
Stop 30 MHz
RBW 100 kHz
VBW 300 kHz
SWT 256.92 ms
[T1] AV VIEW
Marker 1 [T1]
-66.83 dBm
481.916600 MHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 30 MHz
85 MHz/
Stop 880 MHz
RBW 1 MHz
VBW 3 MHz
SWT 1 ms
[T1] AV VIEW
Marker 1 [T1]
-49.41 dBm
945.466600 MHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 920 MHz
8 MHz/
Stop 1 GHz
RBW 1 MHz
VBW 3 MHz
SWT 1 ms
[T1] AV VIEW
Marker 1 [T1]
-50.58 dBm
1.104667 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1 GHz
20 MHz/
Stop 1.2 GHz
RBW 1 MHz
VBW 3 MHz
SWT 19.04 ms
[T1] AV VIEW
Marker 1 [T1]
-50.11 dBm
6.691500 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1.2 GHz
630 MHz/
Stop 7.5 GHz
RBW 1 MHz
VBW 3 MHz
SWT 15.88 ms
[T1] AV VIEW
Marker 1 [T1]
-51.27 dBm
7.771250 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 7.5 GHz
525 MHz/
Stop 12.75 GHz

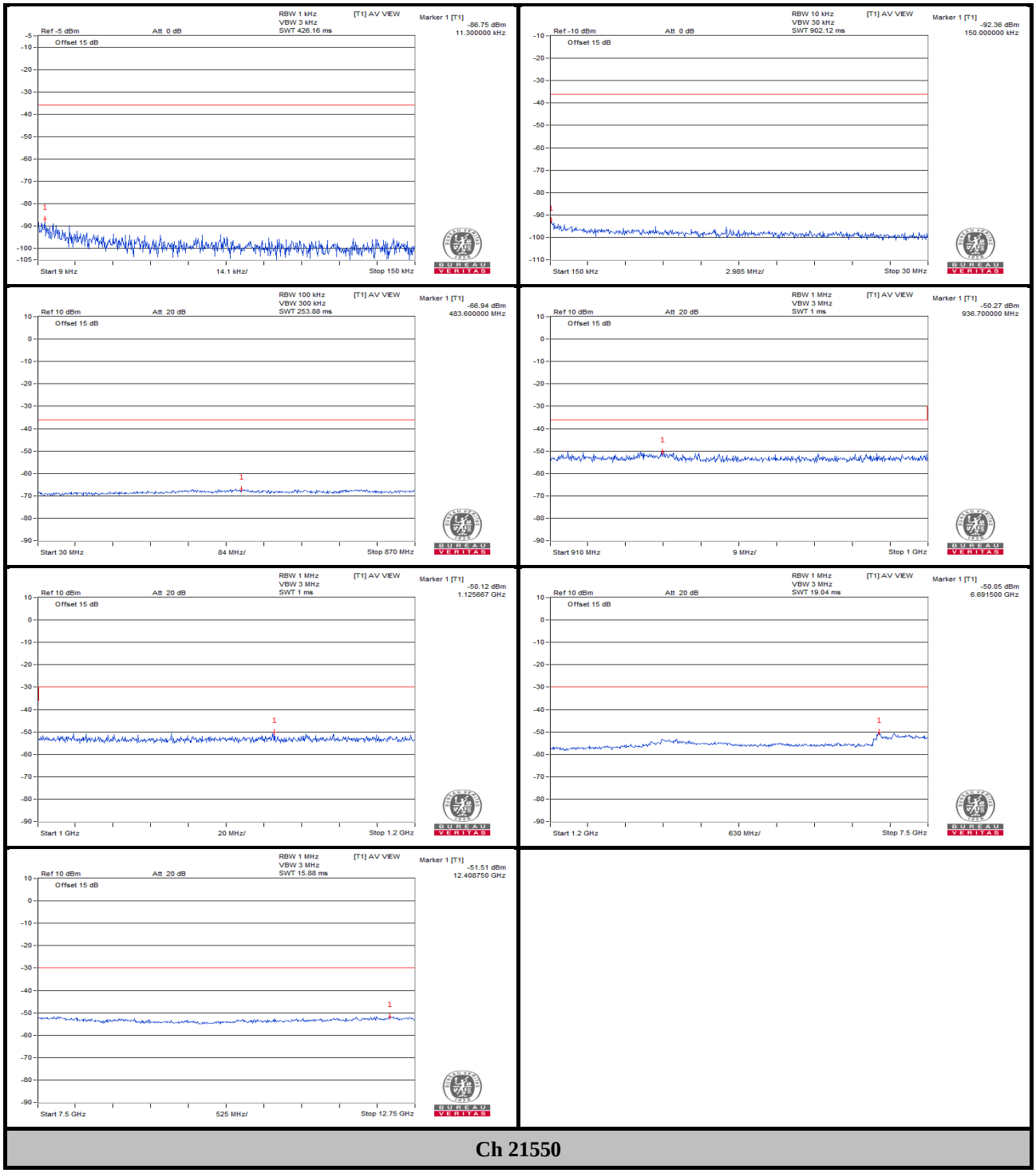
Ch 21650


RBW 1 kHz
VBW 3 kHz
SWT 426.16 ms
[T1] AV VIEW
Marker 1 [T1]
-86.83 dBm
10.100000 kHz
Ref -5 dBm
Att 0 dB
Offset 15 dB
Start 9 kHz
14.1 kHz/
Stop 150 kHz
RBW 10 kHz
VBW 30 kHz
SWT 902.12 ms
[T1] AV VIEW
Marker 1 [T1]
-92.44 dBm
349.000000 kHz
Ref -10 dBm
Att 0 dB
Offset 15 dB
Start 150 kHz
2.985 MHz/
Stop 30 MHz
RBW 100 kHz
VBW 300 kHz
SWT 259.92 ms
[T1] AV VIEW
Marker 1 [T1]
-66.51 dBm
455.700000 MHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 30 MHz
86 MHz/
Stop 890 MHz
RBW 1 MHz
VBW 3 MHz
SWT 1 ms
[T1] AV VIEW
Marker 1 [T1]
-49.81 dBm
953.800000 MHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 930 MHz
7 MHz/
Stop 1 GHz
RBW 1 MHz
VBW 3 MHz
SWT 1 ms
[T1] AV VIEW
Marker 1 [T1]
-50.35 dBm
1.129000 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1 GHz
20 MHz/
Stop 1.2 GHz
RBW 1 MHz
VBW 3 MHz
SWT 19.04 ms
[T1] AV VIEW
Marker 1 [T1]
-49.67 dBm
6.954000 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1.2 GHz
630 MHz/
Stop 7.5 GHz
RBW 1 MHz
VBW 3 MHz
SWT 15.88 ms
[T1] AV VIEW
Marker 1 [T1]
-50.97 dBm
7.500000 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 7.5 GHz
525 MHz/
Stop 12.75 GHz

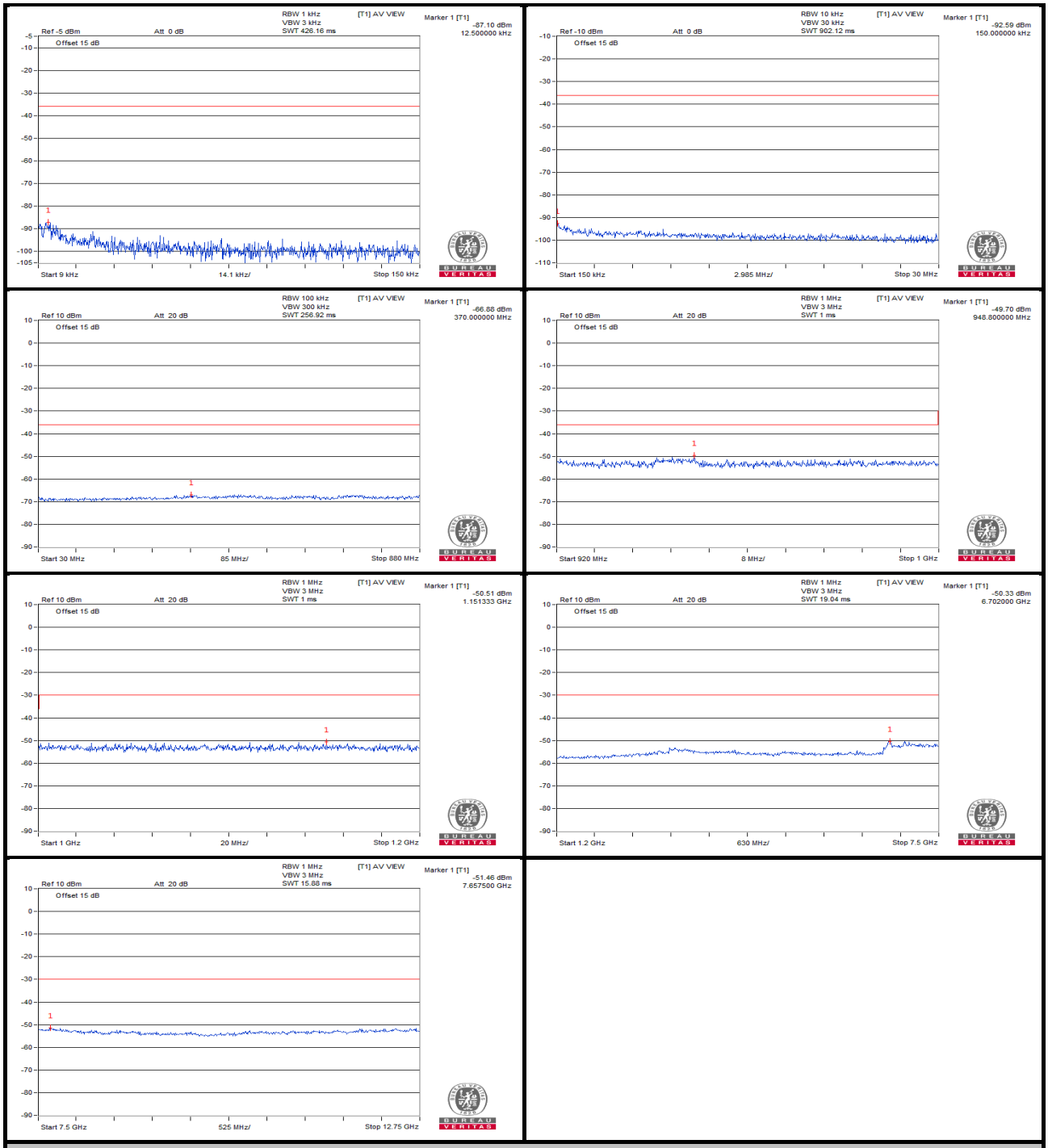
Ch 21750

Bandwidth: 10 MHz / QPSK (50 RB / 0 RB Offset)

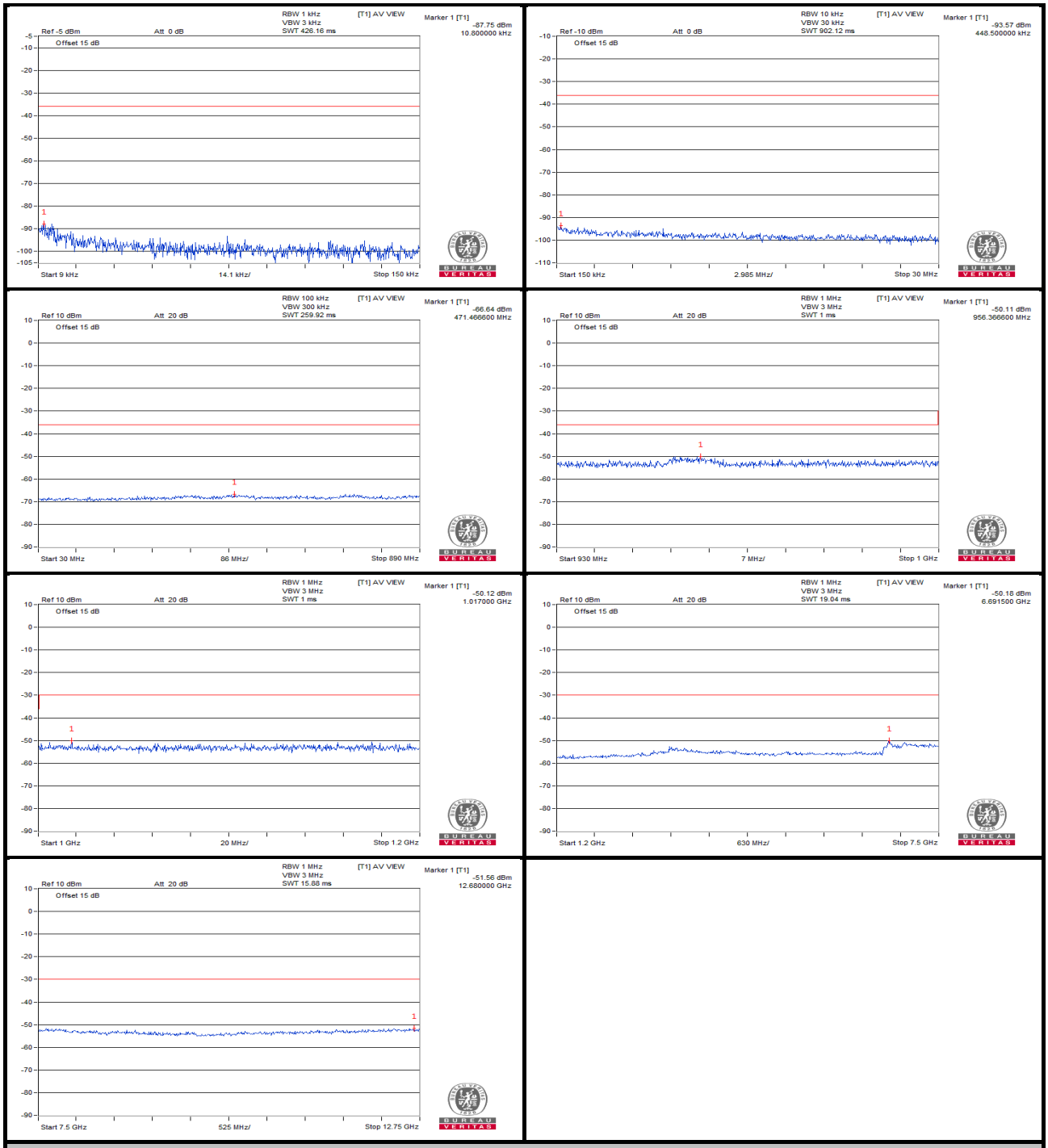
Modulation	Channel	Frequency Range (MHz)	Measurement Value	Limit	Pass / Fail
QPSK	21550	0.009MHz to 0.15MHz	-86.75	-36	PASS
		0.15MHz to 30MHz	-92.36	-36	PASS
		30MHz to 870MHz	-66.94	-36	PASS
		910MHz to 1000MHz	-50.27	-36	PASS
		1000MHz to 1200MHz	-50.12	-30	PASS
		1200MHz to 7500MHz	-50.05	-30	PASS
		7500MHz to 12750MHz	-51.51	-30	PASS
	21650	0.009MHz to 0.15MHz	-87.10	-36	PASS
		0.15MHz to 30MHz	-92.59	-36	PASS
		30MHz to 880MHz	-66.88	-36	PASS
		920MHz to 1000MHz	-49.70	-36	PASS
		1000MHz to 1200MHz	-50.51	-30	PASS
		1200MHz to 7500MHz	-50.33	-30	PASS
		7500MHz to 12750MHz	-51.46	-30	PASS
	21750	0.009MHz to 0.15MHz	-87.75	-36	PASS
		0.15MHz to 30MHz	-93.57	-36	PASS
		30MHz to 890MHz	-66.64	-36	PASS
		930MHz to 1000MHz	-50.11	-36	PASS
		1000MHz to 1200MHz	-50.12	-30	PASS
		1200MHz to 7500MHz	-50.18	-30	PASS
		7500MHz to 12750MHz	-51.56	-30	PASS


RBW 1 kHz
VBW 3 kHz
SWT 426.16 ms
[T1] AV VIEW
Marker 1 [T1]
-86.75 dBm
11.300000 kHz
Ref -5 dBm
Att 0 dB
Offset 15 dB
Start 9 kHz
14.1 kHz/
Stop 150 kHz
RBW 10 kHz
VBW 30 kHz
SWT 902.12 ms
[T1] AV VIEW
Marker 1 [T1]
-92.36 dBm
150.000000 kHz
Ref -10 dBm
Att 0 dB
Offset 15 dB
Start 150 kHz
2.985 MHz/
Stop 30 MHz
RBW 100 kHz
VBW 300 kHz
SWT 253.88 ms
[T1] AV VIEW
Marker 1 [T1]
-66.94 dBm
483.600000 MHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 30 MHz
84 MHz/
Stop 870 MHz
RBW 1 MHz
VBW 3 MHz
SWT 1 ms
[T1] AV VIEW
Marker 1 [T1]
-50.27 dBm
936.700000 MHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 910 MHz
9 MHz/
Stop 1 GHz
RBW 1 MHz
VBW 3 MHz
SWT 1 ms
[T1] AV VIEW
Marker 1 [T1]
-50.12 dBm
1.125667 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1 GHz
20 MHz/
Stop 1.2 GHz
RBW 1 MHz
VBW 3 MHz
SWT 19.04 ms
[T1] AV VIEW
Marker 1 [T1]
-50.05 dBm
6.691500 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1.2 GHz
630 MHz/
Stop 7.5 GHz
RBW 1 MHz
VBW 3 MHz
SWT 15.88 ms
[T1] AV VIEW
Marker 1 [T1]
-51.51 dBm
12.408750 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 7.5 GHz
525 MHz/
Stop 12.75 GHz

Ch 21550


RBW 1 kHz
VBW 3 kHz
SWT 426.16 ms
[T1] AV VIEW
Marker 1 [T1]
-87.10 dBm
12.500000 kHz
Ref -5 dBm
Att 0 dB
Offset 15 dB
Start 9 kHz
14.1 kHz/
Stop 150 kHz
RBW 10 kHz
VBW 30 kHz
SWT 902.12 ms
[T1] AV VIEW
Marker 1 [T1]
-92.59 dBm
150.000000 kHz
Ref -10 dBm
Att 0 dB
Offset 15 dB
Start 150 kHz
2.985 MHz/
Stop 30 MHz
RBW 100 kHz
VBW 300 kHz
SWT 256.92 ms
[T1] AV VIEW
Marker 1 [T1]
-66.88 dBm
370.000000 MHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 30 MHz
85 MHz/
Stop 880 MHz
RBW 1 MHz
VBW 3 MHz
SWT 1 ms
[T1] AV VIEW
Marker 1 [T1]
-49.70 dBm
948.800000 MHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 920 MHz
8 MHz/
Stop 1 GHz
RBW 1 MHz
VBW 3 MHz
SWT 1 ms
[T1] AV VIEW
Marker 1 [T1]
-50.51 dBm
1.151333 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1 GHz
20 MHz/
Stop 1.2 GHz
RBW 1 MHz
VBW 3 MHz
SWT 19.04 ms
[T1] AV VIEW
Marker 1 [T1]
-50.33 dBm
6.702000 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1.2 GHz
630 MHz/
Stop 7.5 GHz
RBW 1 MHz
VBW 3 MHz
SWT 15.88 ms
[T1] AV VIEW
Marker 1 [T1]
-51.46 dBm
7.657500 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 7.5 GHz
525 MHz/
Stop 12.75 GHz

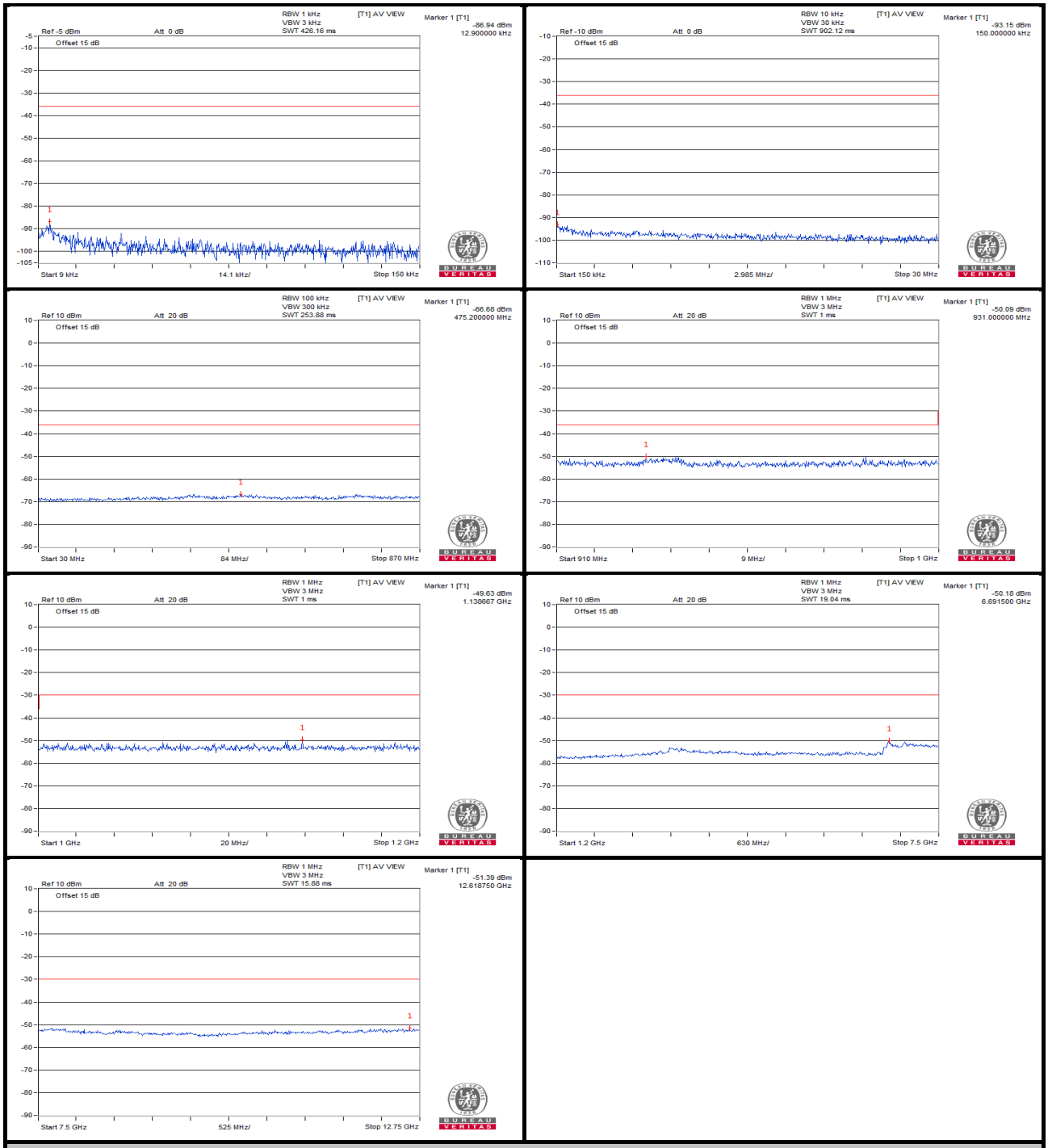
Ch 21650


RBW 1 kHz
VBW 3 kHz
SWT 426.16 ms
[T1] AV VIEW
Marker 1 [T1]
-87.75 dBm
10.800000 kHz
Ref -5 dBm
Att 0 dB
Offset 15 dB
Start 9 kHz
14.1 kHz/
Stop 150 kHz
RBW 10 kHz
VBW 30 kHz
SWT 902.12 ms
[T1] AV VIEW
Marker 1 [T1]
-93.57 dBm
448.500000 kHz
Ref -10 dBm
Att 0 dB
Offset 15 dB
Start 150 kHz
2.985 MHz/
Stop 30 MHz
RBW 100 kHz
VBW 300 kHz
SWT 259.92 ms
[T1] AV VIEW
Marker 1 [T1]
-66.64 dBm
471.466600 MHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 30 MHz
86 MHz/
Stop 890 MHz
RBW 1 MHz
VBW 3 MHz
SWT 1 ms
[T1] AV VIEW
Marker 1 [T1]
-50.11 dBm
956.366600 MHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 930 MHz
7 MHz/
Stop 1 GHz
RBW 1 MHz
VBW 3 MHz
SWT 1 ms
[T1] AV VIEW
Marker 1 [T1]
-50.12 dBm
1.017000 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1 GHz
20 MHz/
Stop 1.2 GHz
RBW 1 MHz
VBW 3 MHz
SWT 19.04 ms
[T1] AV VIEW
Marker 1 [T1]
-50.18 dBm
6.691500 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1.2 GHz
630 MHz/
Stop 7.5 GHz
RBW 1 MHz
VBW 3 MHz
SWT 15.88 ms
[T1] AV VIEW
Marker 1 [T1]
-51.56 dBm
12.680000 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 7.5 GHz
525 MHz/
Stop 12.75 GHz

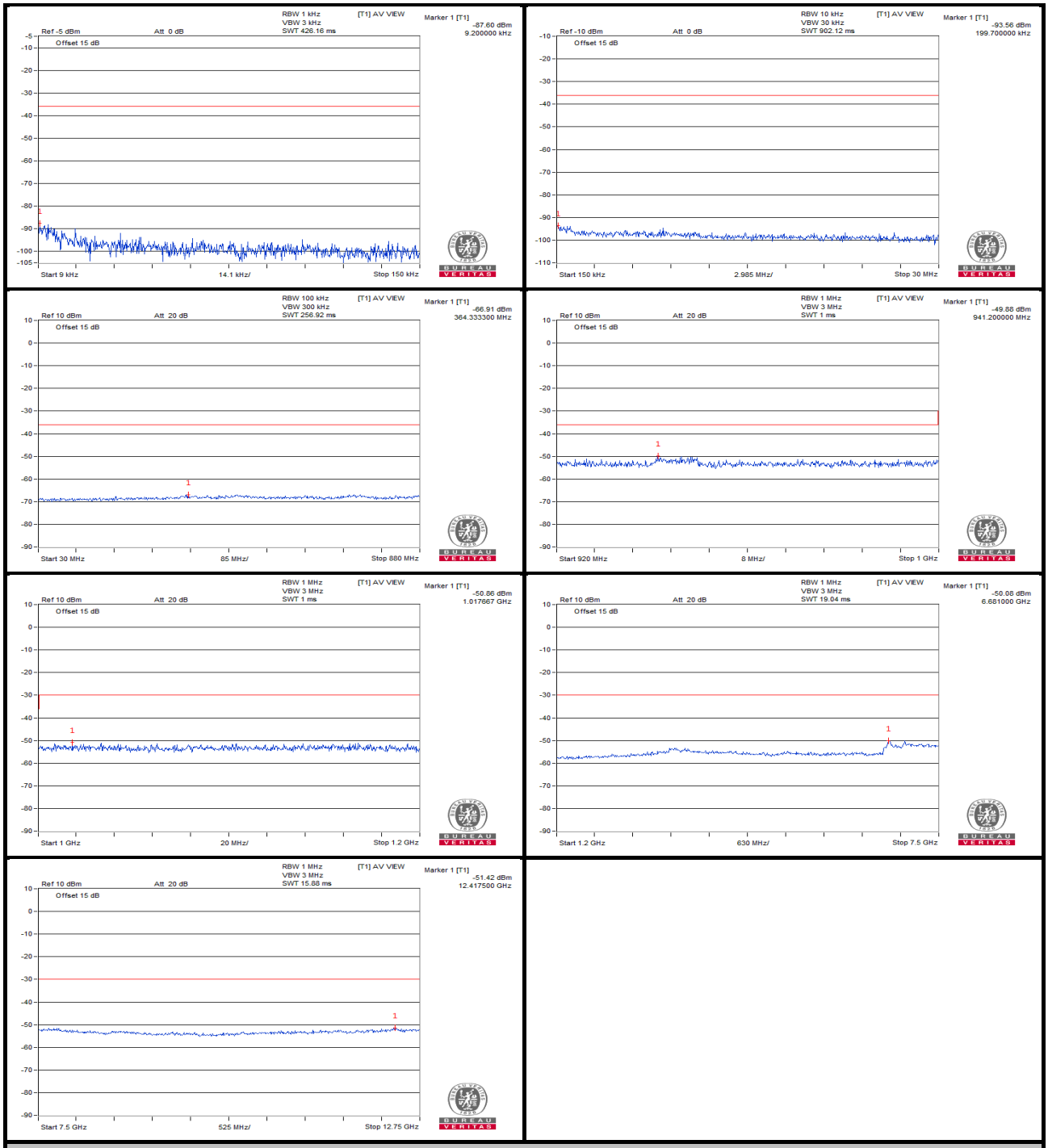
Ch 21750

Bandwidth: 10 MHz / QPSK (1 RB / 49 RB Offset)

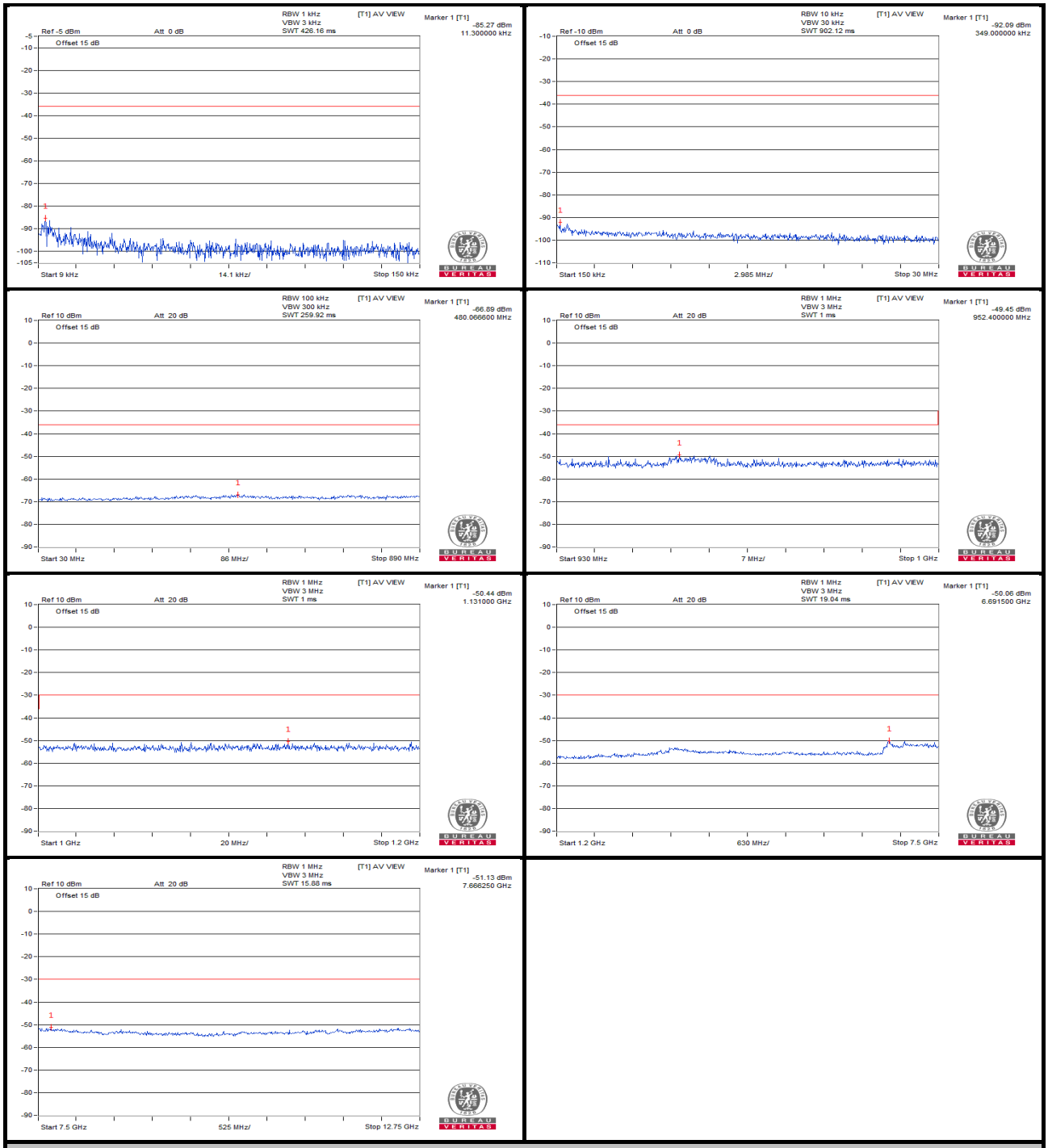
Modulation	Channel	Frequency Range (MHz)	Measurement Value	Limit	Pass / Fail
QPSK	21550	0.009MHz to 0.15MHz	-86.94	-36	PASS
		0.15MHz to 30MHz	-93.15	-36	PASS
		30MHz to 870MHz	-66.68	-36	PASS
		910MHz to 1000MHz	-50.09	-36	PASS
		1000MHz to 1200MHz	-49.63	-30	PASS
		1200MHz to 7500MHz	-50.18	-30	PASS
		7500MHz to 12750MHz	-51.39	-30	PASS
	21650	0.009MHz to 0.15MHz	-87.60	-36	PASS
		0.15MHz to 30MHz	-93.56	-36	PASS
		30MHz to 880MHz	-66.91	-36	PASS
		920MHz to 1000MHz	-49.88	-36	PASS
		1000MHz to 1200MHz	-50.86	-30	PASS
		1200MHz to 7500MHz	-50.08	-30	PASS
		7500MHz to 12750MHz	-51.42	-30	PASS
	21750	0.009MHz to 0.15MHz	-85.27	-36	PASS
		0.15MHz to 30MHz	-92.09	-36	PASS
		30MHz to 890MHz	-66.89	-36	PASS
		930MHz to 1000MHz	-49.45	-36	PASS
		1000MHz to 1200MHz	-50.44	-30	PASS
		1200MHz to 7500MHz	-50.06	-30	PASS
		7500MHz to 12750MHz	-51.13	-30	PASS


RBW 1 kHz
VBW 3 kHz
SWT 426.16 ms
[T1] AV VIEW
Marker 1 [T1]
-86.94 dBm
12.900000 kHz
Ref -5 dBm
Att 0 dB
Offset 15 dB
Start 9 kHz
14.1 kHz/
Stop 150 kHz
RBW 10 kHz
VBW 30 kHz
SWT 902.12 ms
[T1] AV VIEW
Marker 1 [T1]
-93.15 dBm
150.000000 kHz
Ref -10 dBm
Att 0 dB
Offset 15 dB
Start 150 kHz
2.985 MHz/
Stop 30 MHz
RBW 100 kHz
VBW 300 kHz
SWT 253.88 ms
[T1] AV VIEW
Marker 1 [T1]
-66.68 dBm
475.200000 MHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 30 MHz
84 MHz/
Stop 870 MHz
RBW 1 MHz
VBW 3 MHz
SWT 1 ms
[T1] AV VIEW
Marker 1 [T1]
-50.09 dBm
931.000000 MHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 910 MHz
9 MHz/
Stop 1 GHz
RBW 1 MHz
VBW 3 MHz
SWT 1 ms
[T1] AV VIEW
Marker 1 [T1]
-49.63 dBm
1.138867 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1 GHz
20 MHz/
Stop 1.2 GHz
RBW 1 MHz
VBW 3 MHz
SWT 19.04 ms
[T1] AV VIEW
Marker 1 [T1]
-50.18 dBm
6.691500 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1.2 GHz
630 MHz/
Stop 7.5 GHz
RBW 1 MHz
VBW 3 MHz
SWT 15.88 ms
[T1] AV VIEW
Marker 1 [T1]
-51.39 dBm
12.618750 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 7.5 GHz
525 MHz/
Stop 12.75 GHz

Ch 21550


RBW 1 kHz
VBW 3 kHz
SWT 426.16 ms
[T1] AV VIEW
Marker 1 [T1]
-87.60 dBm
9.200000 kHz
Ref -5 dBm
Att 0 dB
Offset 15 dB
Start 9 kHz
14.1 kHz/
Stop 150 kHz
RBW 10 kHz
VBW 30 kHz
SWT 902.12 ms
[T1] AV VIEW
Marker 1 [T1]
-93.56 dBm
199.700000 kHz
Ref -10 dBm
Att 0 dB
Offset 15 dB
Start 150 kHz
2.985 MHz/
Stop 30 MHz
RBW 100 kHz
VBW 300 kHz
SWT 256.92 ms
[T1] AV VIEW
Marker 1 [T1]
-66.91 dBm
364.333300 MHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 30 MHz
85 MHz/
Stop 880 MHz
RBW 1 MHz
VBW 3 MHz
SWT 1 ms
[T1] AV VIEW
Marker 1 [T1]
-49.88 dBm
941.200000 MHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 920 MHz
8 MHz/
Stop 1 GHz
RBW 1 MHz
VBW 3 MHz
SWT 1 ms
[T1] AV VIEW
Marker 1 [T1]
-50.86 dBm
1.017867 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1 GHz
20 MHz/
Stop 1.2 GHz
RBW 1 MHz
VBW 3 MHz
SWT 19.04 ms
[T1] AV VIEW
Marker 1 [T1]
-50.08 dBm
6.681000 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1.2 GHz
630 MHz/
Stop 7.5 GHz
RBW 1 MHz
VBW 3 MHz
SWT 15.88 ms
[T1] AV VIEW
Marker 1 [T1]
-51.42 dBm
12.417500 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 7.5 GHz
525 MHz/
Stop 12.75 GHz

Ch 21650

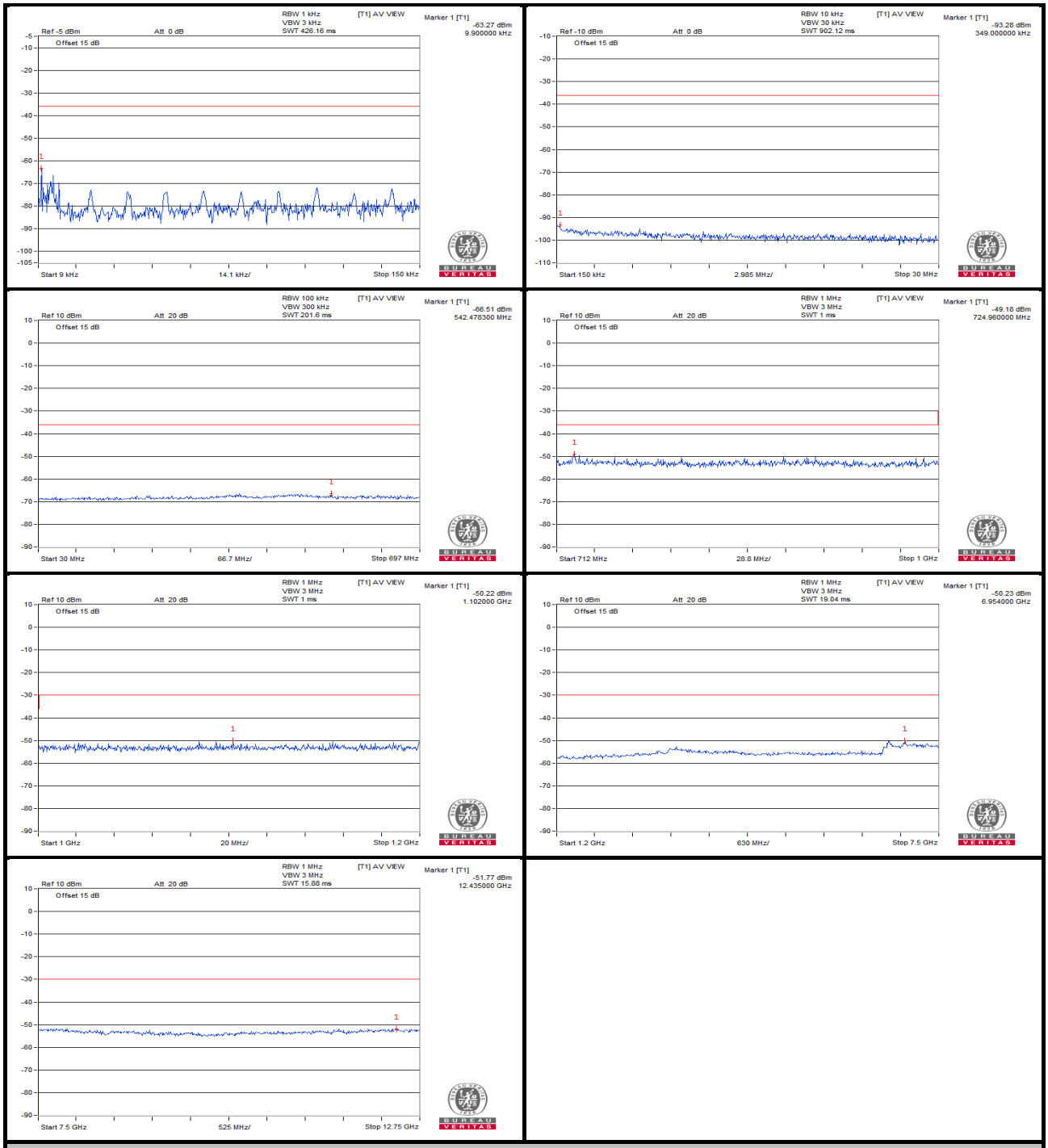

RBW 1 kHz
VBW 3 kHz
SWT 426.16 ms
[T1] AV VIEW
Marker 1 [T1]
-85.27 dBm
11.300000 kHz
Ref -5 dBm
Att 0 dB
Offset 15 dB
Start 9 kHz
14.1 kHz/
Stop 150 kHz
RBW 10 kHz
VBW 30 kHz
SWT 902.12 ms
[T1] AV VIEW
Marker 1 [T1]
-92.09 dBm
349.000000 kHz
Ref -10 dBm
Att 0 dB
Offset 15 dB
Start 150 kHz
2.985 MHz/
Stop 30 MHz
RBW 100 kHz
VBW 300 kHz
SWT 259.92 ms
[T1] AV VIEW
Marker 1 [T1]
-66.89 dBm
480.066600 MHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 30 MHz
86 MHz/
Stop 890 MHz
RBW 1 MHz
VBW 3 MHz
SWT 1 ms
[T1] AV VIEW
Marker 1 [T1]
-49.45 dBm
952.400000 MHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 930 MHz
7 MHz/
Stop 1 GHz
RBW 1 MHz
VBW 3 MHz
SWT 1 ms
[T1] AV VIEW
Marker 1 [T1]
-50.44 dBm
1.131000 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1 GHz
20 MHz/
Stop 1.2 GHz
RBW 1 MHz
VBW 3 MHz
SWT 19.04 ms
[T1] AV VIEW
Marker 1 [T1]
-50.06 dBm
6.691500 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1.2 GHz
630 MHz/
Stop 7.5 GHz
RBW 1 MHz
VBW 3 MHz
SWT 15.88 ms
[T1] AV VIEW
Marker 1 [T1]
-51.13 dBm
7.666250 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 7.5 GHz
525 MHz/
Stop 12.75 GHz

Ch 21750

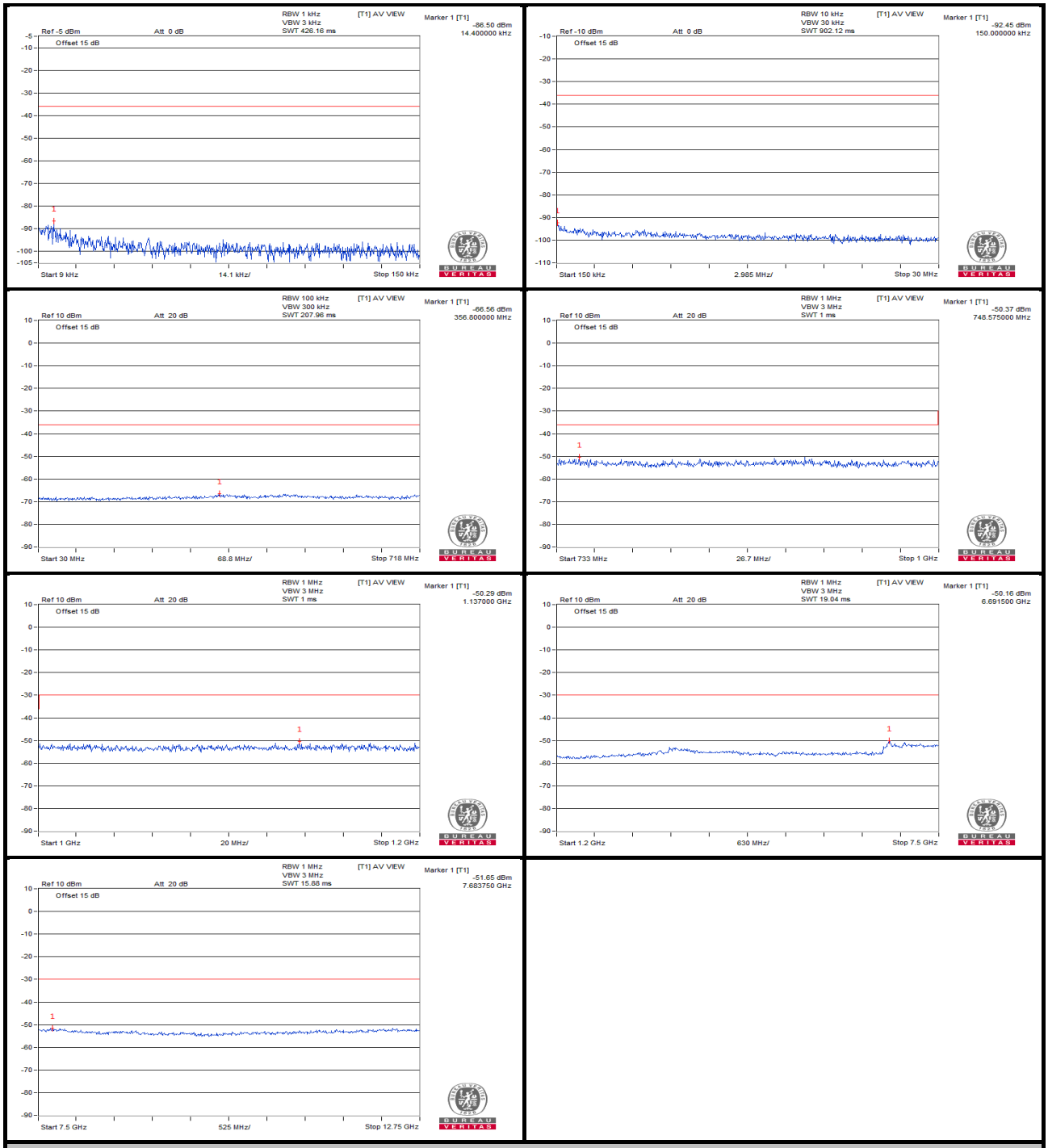
LTE Band 28

Bandwidth: 3 MHz / QPSK (1 RB / 0 RB Offset)

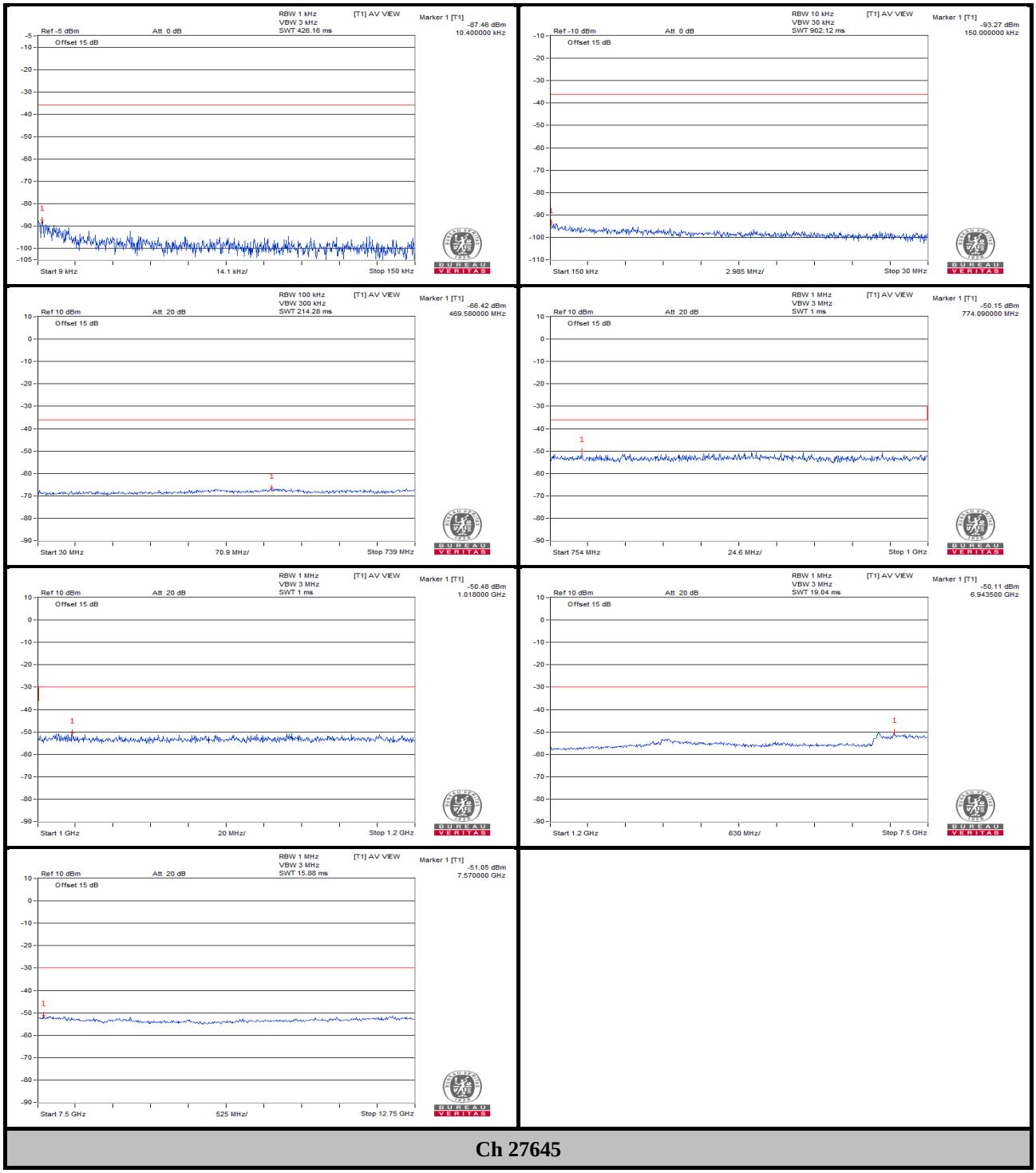
Modulation	Channel	Frequency Range (MHz)	Measurement Value	Limit	Pass / Fail
QPSK	27225	0.009MHz to 0.15MHz	-63.27	-36	PASS
		0.15MHz to 30MHz	-93.28	-36	PASS
		30MHz to 697MHz	-66.51	-36	PASS
		712MHz to 1000MHz	-49.18	-36	PASS
		1000MHz to 1200MHz	-50.22	-30	PASS
		1200MHz to 7500MHz	-50.23	-30	PASS
		7500MHz to 12750MHz	-51.77	-30	PASS
	27435	0.009MHz to 0.15MHz	-86.50	-36	PASS
		0.15MHz to 30MHz	-92.45	-36	PASS
		30MHz to 718MHz	-66.56	-36	PASS
		733MHz to 1000MHz	-50.37	-36	PASS
		1000MHz to 1200MHz	-50.29	-30	PASS
		1200MHz to 7500MHz	-50.16	-30	PASS
		7500MHz to 12750MHz	-51.65	-30	PASS
	27645	0.009MHz to 0.15MHz	-87.46	-36	PASS
		0.15MHz to 30MHz	-93.27	-36	PASS
		30MHz to 739MHz	-66.42	-36	PASS
		754MHz to 1000MHz	-50.15	-36	PASS
		1000MHz to 1200MHz	-50.48	-30	PASS
		1200MHz to 7500MHz	-50.11	-30	PASS
		7500MHz to 12750MHz	-51.05	-30	PASS


RBW 1 kHz
VBW 3 kHz
SWT 426.16 ms
[T1] AV VIEW
Marker 1 [T1]
-63.27 dBm
9.900000 kHz
Ref -5 dBm
Att 0 dB
Offset 15 dB
Start 9 kHz
14.1 kHz/
Stop 150 kHz
RBW 10 kHz
VBW 30 kHz
SWT 902.12 ms
[T1] AV VIEW
Marker 1 [T1]
-93.28 dBm
349.000000 kHz
Ref -10 dBm
Att 0 dB
Offset 15 dB
Start 150 kHz
2.985 MHz/
Stop 30 MHz
RBW 100 kHz
VBW 300 kHz
SWT 201.6 ms
[T1] AV VIEW
Marker 1 [T1]
-66.51 dBm
542.478300 MHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 30 MHz
66.7 MHz/
Stop 697 MHz
RBW 1 MHz
VBW 3 MHz
SWT 1 ms
[T1] AV VIEW
Marker 1 [T1]
-49.18 dBm
724.960000 MHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 712 MHz
28.8 MHz/
Stop 1 GHz
RBW 1 MHz
VBW 3 MHz
SWT 1 ms
[T1] AV VIEW
Marker 1 [T1]
-50.22 dBm
1.102000 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1 GHz
20 MHz/
Stop 1.2 GHz
RBW 1 MHz
VBW 3 MHz
SWT 19.04 ms
[T1] AV VIEW
Marker 1 [T1]
-50.23 dBm
6.954000 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1.2 GHz
630 MHz/
Stop 7.5 GHz
RBW 1 MHz
VBW 3 MHz
SWT 15.88 ms
[T1] AV VIEW
Marker 1 [T1]
-51.77 dBm
12.435000 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 7.5 GHz
525 MHz/
Stop 12.75 GHz

Ch 27225


RBW 1 kHz
VBW 3 kHz
SWT 426.16 ms
[T1] AV VIEW
Marker 1 [T1]
-86.50 dBm
14.400000 kHz
Ref -5 dBm
Att 0 dB
Offset 15 dB
Start 9 kHz
14.1 kHz/
Stop 150 kHz
RBW 10 kHz
VBW 30 kHz
SWT 902.12 ms
[T1] AV VIEW
Marker 1 [T1]
-92.45 dBm
150.000000 kHz
Ref -10 dBm
Att 0 dB
Offset 15 dB
Start 150 kHz
2.985 MHz/
Stop 30 MHz
RBW 100 kHz
VBW 300 kHz
SWT 207.96 ms
[T1] AV VIEW
Marker 1 [T1]
-66.56 dBm
356.800000 MHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 30 MHz
68.8 MHz/
Stop 718 MHz
RBW 1 MHz
VBW 3 MHz
SWT 1 ms
[T1] AV VIEW
Marker 1 [T1]
-50.37 dBm
748.575000 MHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 733 MHz
26.7 MHz/
Stop 1 GHz
RBW 1 MHz
VBW 3 MHz
SWT 1 ms
[T1] AV VIEW
Marker 1 [T1]
-50.29 dBm
1.137000 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1 GHz
20 MHz/
Stop 1.2 GHz
RBW 1 MHz
VBW 3 MHz
SWT 19.04 ms
[T1] AV VIEW
Marker 1 [T1]
-50.16 dBm
6.691500 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1.2 GHz
630 MHz/
Stop 7.5 GHz
RBW 1 MHz
VBW 3 MHz
SWT 15.88 ms
[T1] AV VIEW
Marker 1 [T1]
-51.65 dBm
7.683750 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 7.5 GHz
525 MHz/
Stop 12.75 GHz

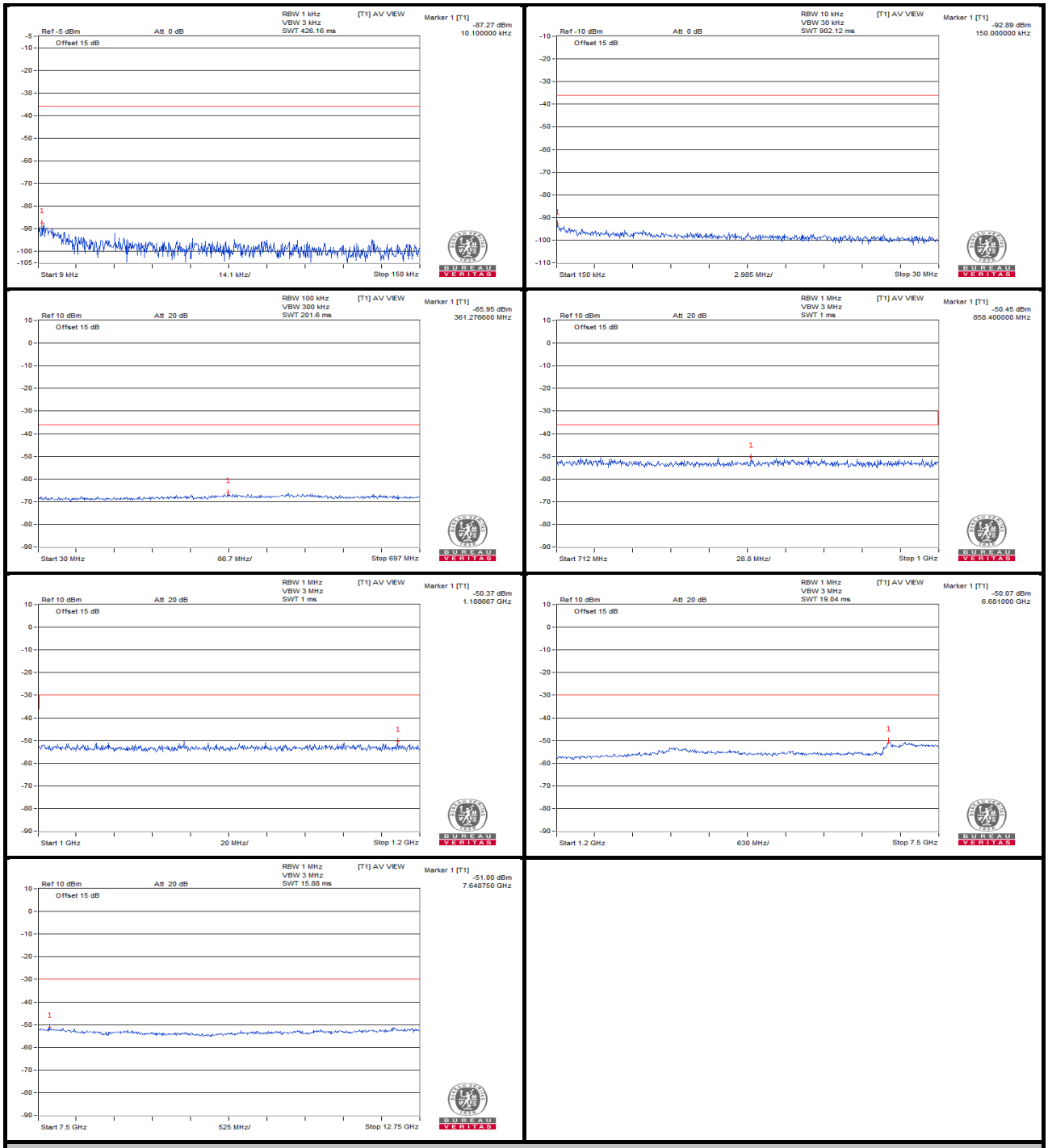
Ch 27435


RBW 1 kHz
VBW 3 kHz
SWT 426.16 ms
[T1] AV VIEW
Marker 1 [T1]
-87.46 dBm
10.400000 kHz
Ref -5 dBm
Att 0 dB
Offset 15 dB
Start 9 kHz
14.1 kHz/
Stop 150 kHz
RBW 10 kHz
VBW 30 kHz
SWT 902.12 ms
[T1] AV VIEW
Marker 1 [T1]
-93.27 dBm
150.000000 kHz
Ref -10 dBm
Att 0 dB
Offset 15 dB
Start 150 kHz
2.985 MHz/
Stop 30 MHz
RBW 100 kHz
VBW 300 kHz
SWT 214.28 ms
[T1] AV VIEW
Marker 1 [T1]
-66.42 dBm
469.580000 MHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 30 MHz
70.9 MHz/
Stop 739 MHz
RBW 1 MHz
VBW 3 MHz
SWT 1 ms
[T1] AV VIEW
Marker 1 [T1]
-50.15 dBm
774.090000 MHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 754 MHz
24.6 MHz/
Stop 1 GHz
RBW 1 MHz
VBW 3 MHz
SWT 1 ms
[T1] AV VIEW
Marker 1 [T1]
-50.48 dBm
1.018000 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1 GHz
20 MHz/
Stop 1.2 GHz
RBW 1 MHz
VBW 3 MHz
SWT 19.04 ms
[T1] AV VIEW
Marker 1 [T1]
-50.11 dBm
6.943500 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1.2 GHz
630 MHz/
Stop 7.5 GHz
RBW 1 MHz
VBW 3 MHz
SWT 15.88 ms
[T1] AV VIEW
Marker 1 [T1]
-51.05 dBm
7.570000 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 7.5 GHz
525 MHz/
Stop 12.75 GHz

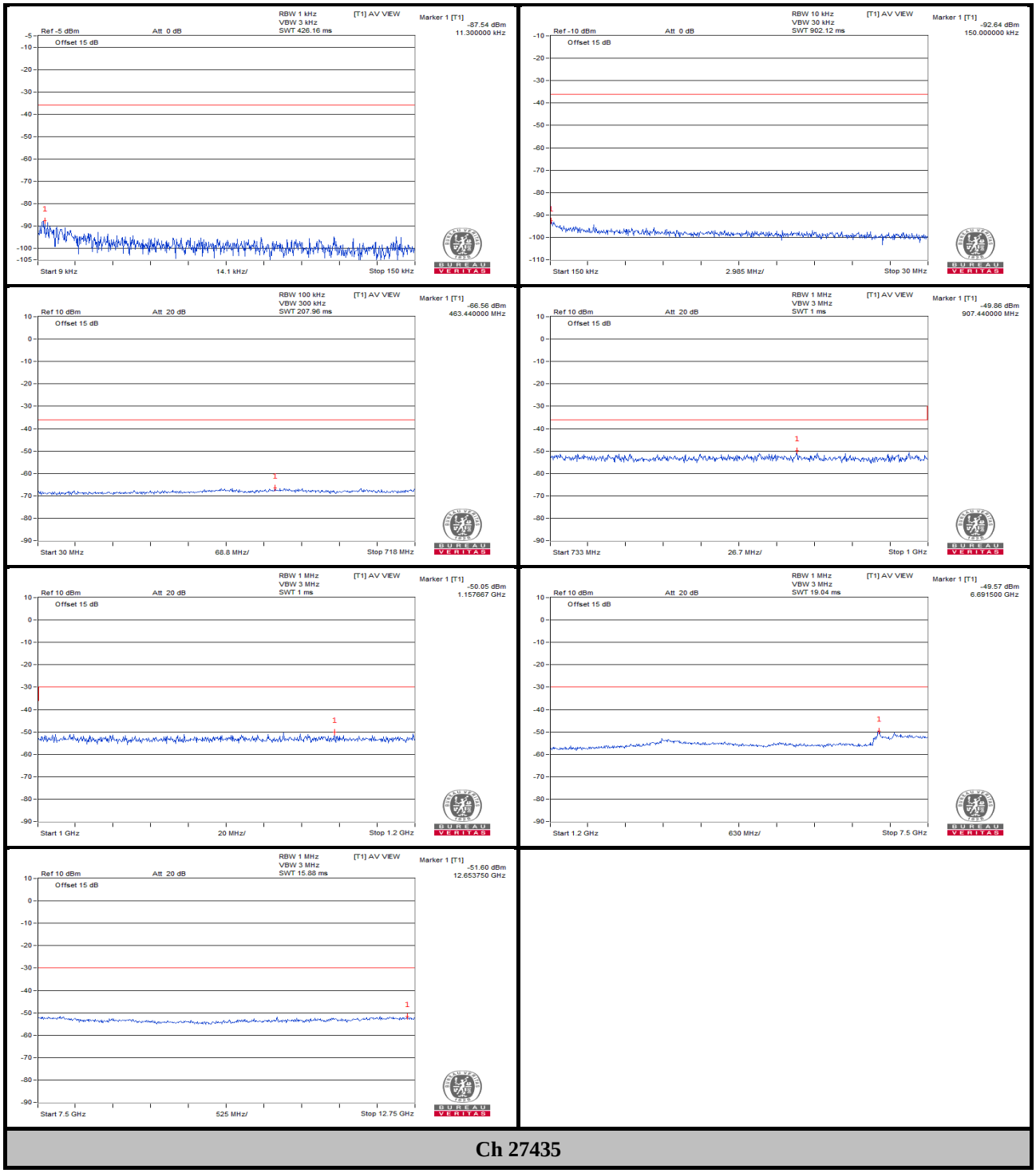
Ch 27645

Bandwidth: 3 MHz / QPSK (15 RB / 0 RB Offset)

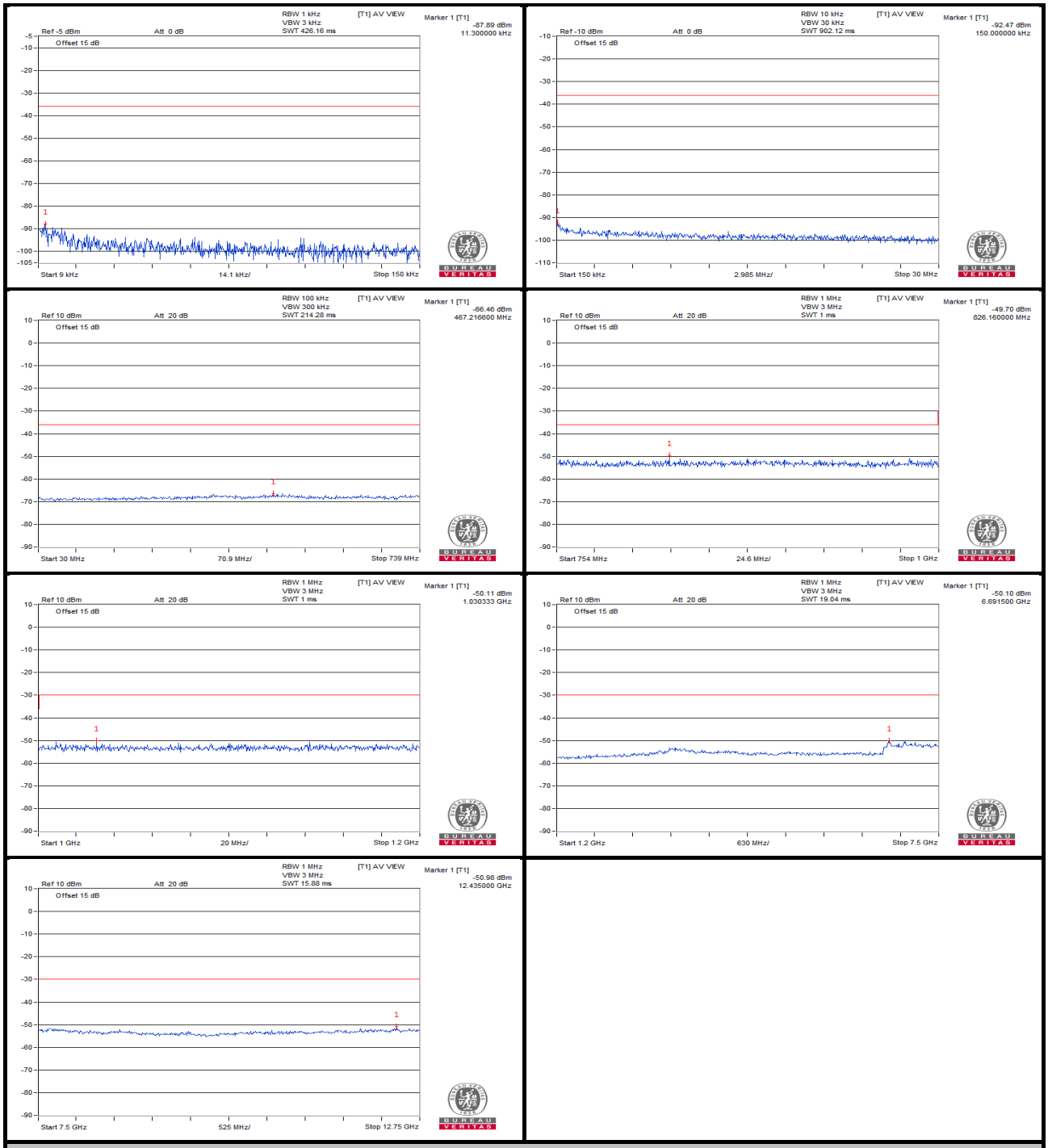
Modulation	Channel	Frequency Range (MHz)	Measurement Value	Limit	Pass / Fail
QPSK	27225	0.009MHz to 0.15MHz	-87.27	-36	PASS
		0.15MHz to 30MHz	-92.89	-36	PASS
		30MHz to 697MHz	-65.95	-36	PASS
		712MHz to 1000MHz	-50.45	-36	PASS
		1000MHz to 1200MHz	-50.37	-30	PASS
		1200MHz to 7500MHz	-50.07	-30	PASS
		7500MHz to 12750MHz	-51.00	-30	PASS
	27435	0.009MHz to 0.15MHz	-87.54	-36	PASS
		0.15MHz to 30MHz	-92.64	-36	PASS
		30MHz to 718MHz	-66.56	-36	PASS
		733MHz to 1000MHz	-49.86	-36	PASS
		1000MHz to 1200MHz	-50.05	-30	PASS
		1200MHz to 7500MHz	-49.57	-30	PASS
		7500MHz to 12750MHz	-51.60	-30	PASS
	27645	0.009MHz to 0.15MHz	-87.89	-36	PASS
		0.15MHz to 30MHz	-92.47	-36	PASS
		30MHz to 739MHz	-66.46	-36	PASS
		754MHz to 1000MHz	-49.70	-36	PASS
		1000MHz to 1200MHz	-50.11	-30	PASS
		1200MHz to 7500MHz	-50.10	-30	PASS
		7500MHz to 12750MHz	-50.98	-30	PASS


RBW 1 kHz
VBW 3 kHz
SWT 426.16 ms
[T1] AV VIEW
Marker 1 [T1]
-87.27 dBm
10.100000 kHz
Ref -5 dBm
Att 0 dB
Offset 15 dB
Start 9 kHz
14.1 kHz/
Stop 150 kHz
RBW 10 kHz
VBW 30 kHz
SWT 902.12 ms
[T1] AV VIEW
Marker 1 [T1]
-92.89 dBm
150.000000 kHz
Ref -10 dBm
Att 0 dB
Offset 15 dB
Start 150 kHz
2.985 MHz/
Stop 30 MHz
RBW 100 kHz
VBW 300 kHz
SWT 201.6 ms
[T1] AV VIEW
Marker 1 [T1]
-65.95 dBm
361.276600 MHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 30 MHz
66.7 MHz/
Stop 697 MHz
RBW 1 MHz
VBW 3 MHz
SWT 1 ms
[T1] AV VIEW
Marker 1 [T1]
-50.45 dBm
858.400000 MHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 712 MHz
28.8 MHz/
Stop 1 GHz
RBW 1 MHz
VBW 3 MHz
SWT 1 ms
[T1] AV VIEW
Marker 1 [T1]
-50.37 dBm
1.188667 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1 GHz
20 MHz/
Stop 1.2 GHz
RBW 1 MHz
VBW 3 MHz
SWT 19.04 ms
[T1] AV VIEW
Marker 1 [T1]
-50.07 dBm
6.681000 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1.2 GHz
630 MHz/
Stop 7.5 GHz
RBW 1 MHz
VBW 3 MHz
SWT 15.88 ms
[T1] AV VIEW
Marker 1 [T1]
-51.00 dBm
7.648750 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 7.5 GHz
525 MHz/
Stop 12.75 GHz

Ch 27225


RBW 1 kHz
VBW 3 kHz
SWT 426.16 ms
[T1] AV VIEW
Marker 1 [T1]
-87.54 dBm
11.300000 kHz
Ref -5 dBm
Att 0 dB
Offset 15 dB
Start 9 kHz
14.1 kHz/
Stop 150 kHz
RBW 10 kHz
VBW 30 kHz
SWT 902.12 ms
[T1] AV VIEW
Marker 1 [T1]
-92.64 dBm
150.000000 kHz
Ref -10 dBm
Att 0 dB
Offset 15 dB
Start 150 kHz
2.985 MHz/
Stop 30 MHz
RBW 100 kHz
VBW 300 kHz
SWT 207.96 ms
[T1] AV VIEW
Marker 1 [T1]
-66.56 dBm
463.440000 MHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 30 MHz
68.8 MHz/
Stop 718 MHz
RBW 1 MHz
VBW 3 MHz
SWT 1 ms
[T1] AV VIEW
Marker 1 [T1]
-49.86 dBm
907.440000 MHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 733 MHz
26.7 MHz/
Stop 1 GHz
RBW 1 MHz
VBW 3 MHz
SWT 1 ms
[T1] AV VIEW
Marker 1 [T1]
-50.05 dBm
1.157867 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1 GHz
20 MHz/
Stop 1.2 GHz
RBW 1 MHz
VBW 3 MHz
SWT 19.04 ms
[T1] AV VIEW
Marker 1 [T1]
-49.57 dBm
6.691500 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1.2 GHz
630 MHz/
Stop 7.5 GHz
RBW 1 MHz
VBW 3 MHz
SWT 15.88 ms
[T1] AV VIEW
Marker 1 [T1]
-51.60 dBm
12.653750 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 7.5 GHz
525 MHz/
Stop 12.75 GHz

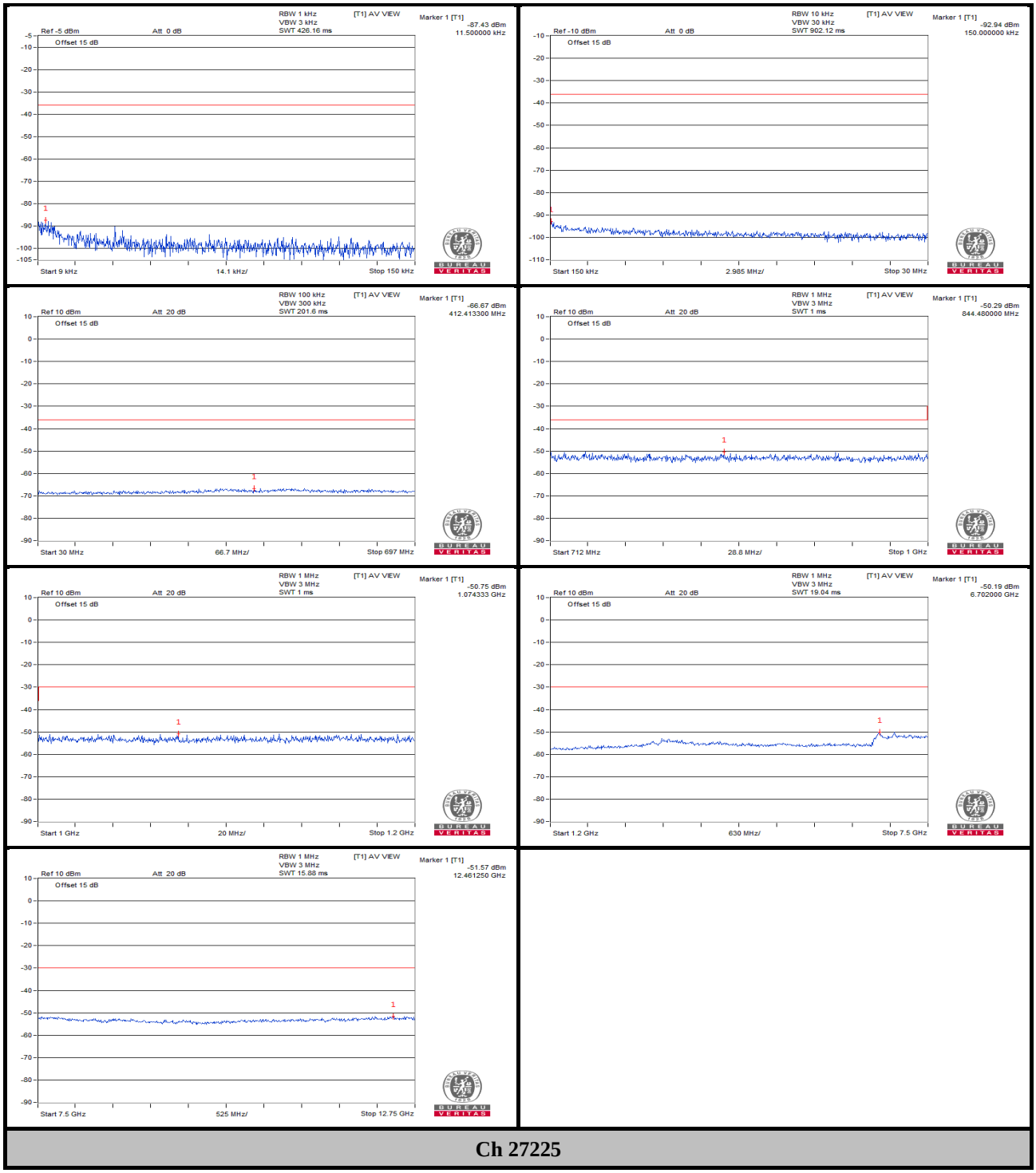
Ch 27435


RBW 1 kHz
VBW 3 kHz
SWT 426.16 ms
[T1] AV VIEW
Marker 1 [T1]
-87.89 dBm
11.300000 kHz
Ref -5 dBm
Att 0 dB
Offset 15 dB
Start 9 kHz
14.1 kHz/
Stop 150 kHz
RBW 10 kHz
VBW 30 kHz
SWT 902.12 ms
[T1] AV VIEW
Marker 1 [T1]
-92.47 dBm
150.000000 kHz
Ref -10 dBm
Att 0 dB
Offset 15 dB
Start 150 kHz
2.985 MHz/
Stop 30 MHz
RBW 100 kHz
VBW 300 kHz
SWT 214.28 ms
[T1] AV VIEW
Marker 1 [T1]
-66.46 dBm
467.216600 MHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 30 MHz
70.9 MHz/
Stop 739 MHz
RBW 1 MHz
VBW 3 MHz
SWT 1 ms
[T1] AV VIEW
Marker 1 [T1]
-49.70 dBm
826.160000 MHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 754 MHz
24.6 MHz/
Stop 1 GHz
RBW 1 MHz
VBW 3 MHz
SWT 1 ms
[T1] AV VIEW
Marker 1 [T1]
-50.11 dBm
1.030333 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1 GHz
20 MHz/
Stop 1.2 GHz
RBW 1 MHz
VBW 3 MHz
SWT 19.04 ms
[T1] AV VIEW
Marker 1 [T1]
-50.10 dBm
6.691500 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1.2 GHz
630 MHz/
Stop 7.5 GHz
RBW 1 MHz
VBW 3 MHz
SWT 15.88 ms
[T1] AV VIEW
Marker 1 [T1]
-50.98 dBm
12.435000 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 7.5 GHz
525 MHz/
Stop 12.75 GHz

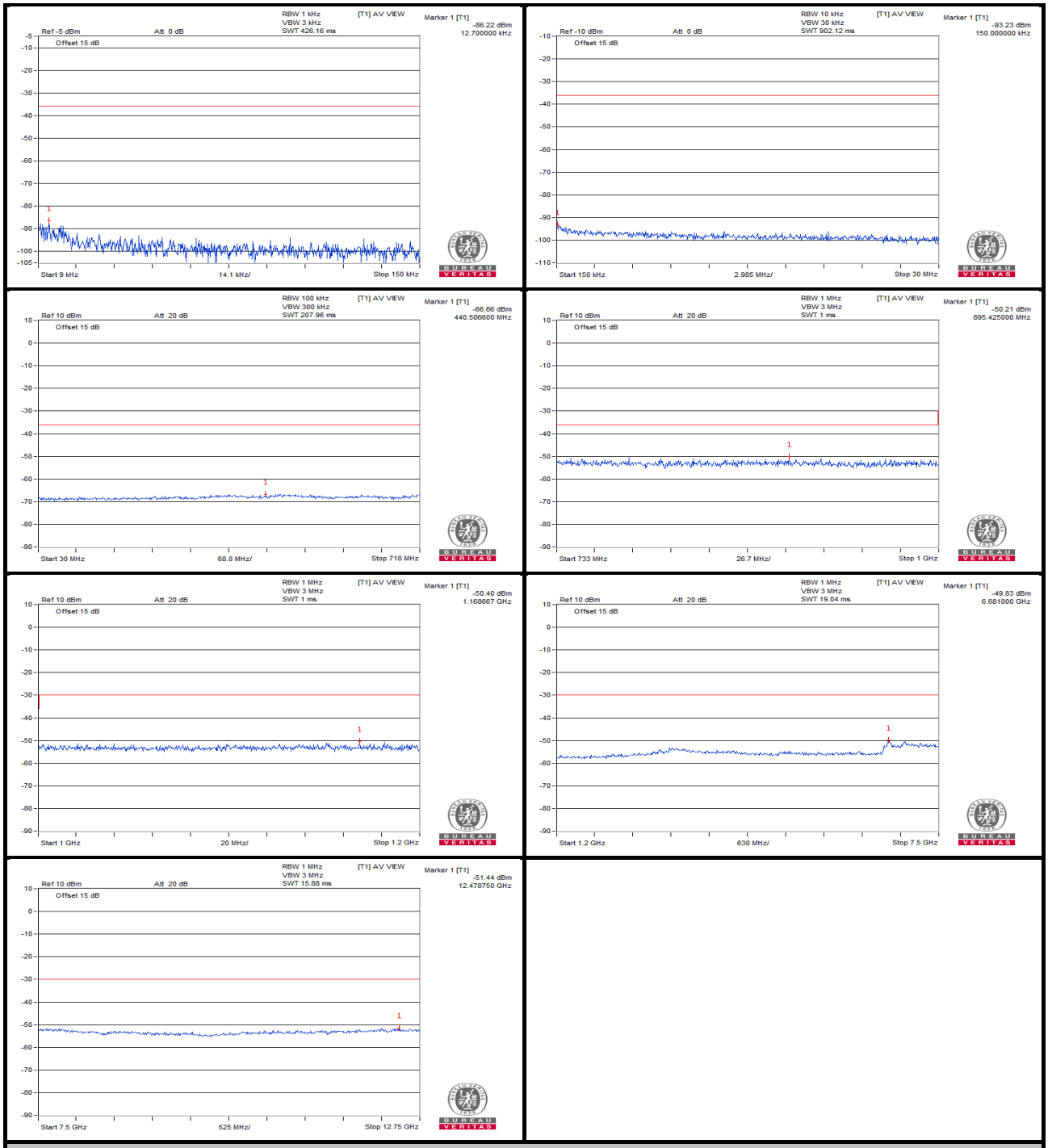
Ch 27645

Bandwidth: 3 MHz / QPSK (1 RB / 14 RB Offset)

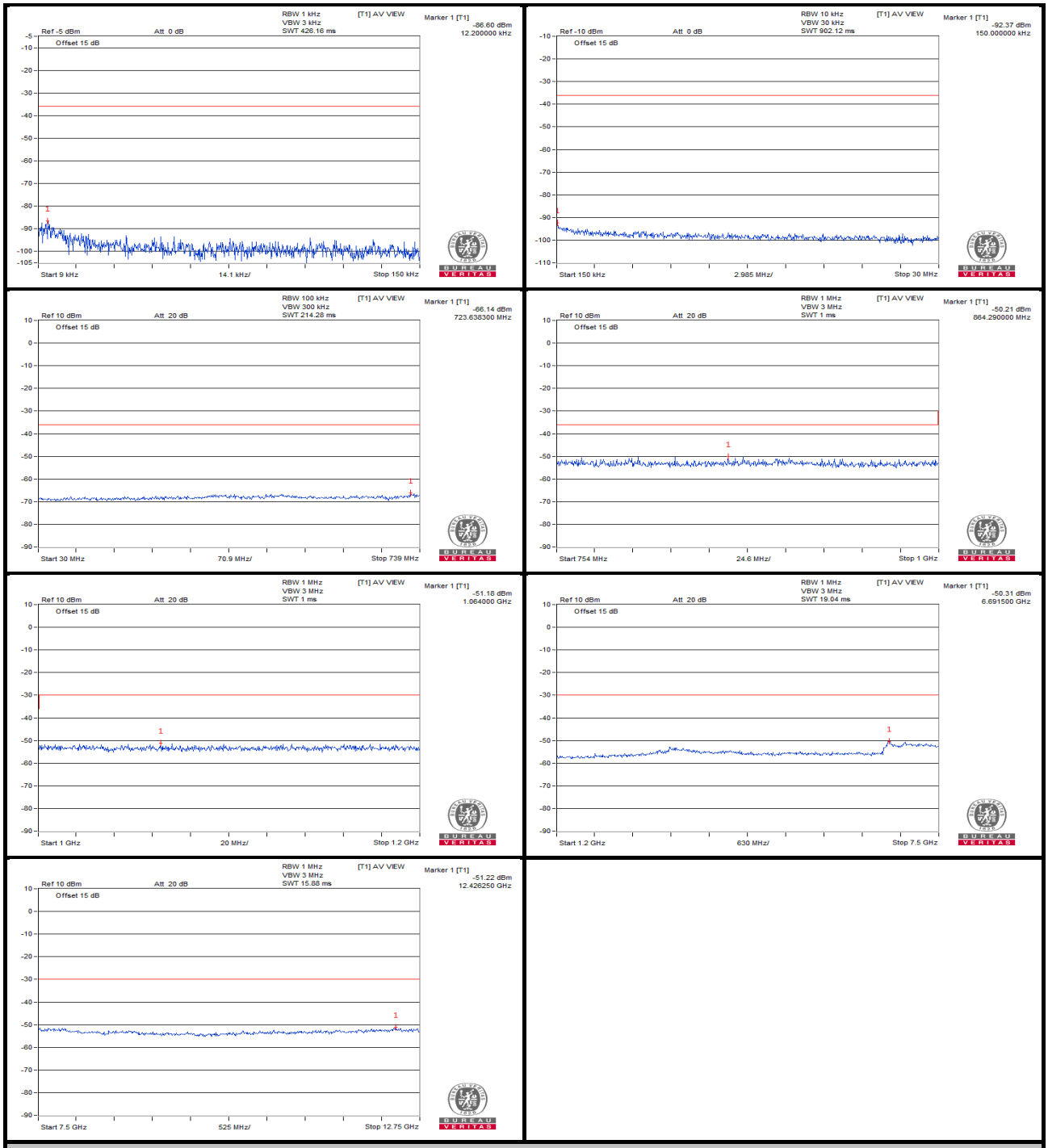
Modulation	Channel	Frequency Range (MHz)	Measurement Value	Limit	Pass / Fail
QPSK	27225	0.009MHz to 0.15MHz	-87.43	-36	PASS
		0.15MHz to 30MHz	-92.94	-36	PASS
		30MHz to 697MHz	-66.67	-36	PASS
		712MHz to 1000MHz	-50.29	-36	PASS
		1000MHz to 1200MHz	-50.75	-30	PASS
		1200MHz to 7500MHz	-50.19	-30	PASS
		7500MHz to 12750MHz	-51.57	-30	PASS
	27435	0.009MHz to 0.15MHz	-86.22	-36	PASS
		0.15MHz to 30MHz	-93.23	-36	PASS
		30MHz to 718MHz	-66.66	-36	PASS
		733MHz to 1000MHz	-50.21	-36	PASS
		1000MHz to 1200MHz	-50.40	-30	PASS
		1200MHz to 7500MHz	-49.83	-30	PASS
		7500MHz to 12750MHz	-51.44	-30	PASS
	27645	0.009MHz to 0.15MHz	-86.60	-36	PASS
		0.15MHz to 30MHz	-92.37	-36	PASS
		30MHz to 739MHz	-66.14	-36	PASS
		754MHz to 1000MHz	-50.21	-36	PASS
		1000MHz to 1200MHz	-51.18	-30	PASS
		1200MHz to 7500MHz	-50.31	-30	PASS
		7500MHz to 12750MHz	-51.22	-30	PASS


RBW 1 kHz
VBW 3 kHz
SWT 426.16 ms
[T1] AV VIEW
Marker 1 [T1]
-87.43 dBm
11.500000 kHz
Ref -5 dBm
Att 0 dB
Offset 15 dB
Start 9 kHz
14.1 kHz/
Stop 150 kHz
RBW 10 kHz
VBW 30 kHz
SWT 902.12 ms
[T1] AV VIEW
Marker 1 [T1]
-92.94 dBm
150.000000 kHz
Ref -10 dBm
Att 0 dB
Offset 15 dB
Start 150 kHz
2.985 MHz/
Stop 30 MHz
RBW 100 kHz
VBW 300 kHz
SWT 201.6 ms
[T1] AV VIEW
Marker 1 [T1]
-66.67 dBm
412.413300 MHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 30 MHz
66.7 MHz/
Stop 697 MHz
RBW 1 MHz
VBW 3 MHz
SWT 1 ms
[T1] AV VIEW
Marker 1 [T1]
-50.29 dBm
844.480000 MHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 712 MHz
28.8 MHz/
Stop 1 GHz
RBW 1 MHz
VBW 3 MHz
SWT 1 ms
[T1] AV VIEW
Marker 1 [T1]
-50.75 dBm
1.074333 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1 GHz
20 MHz/
Stop 1.2 GHz
RBW 1 MHz
VBW 3 MHz
SWT 19.04 ms
[T1] AV VIEW
Marker 1 [T1]
-50.19 dBm
6.702000 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1.2 GHz
630 MHz/
Stop 7.5 GHz
RBW 1 MHz
VBW 3 MHz
SWT 15.88 ms
[T1] AV VIEW
Marker 1 [T1]
-51.57 dBm
12.461250 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 7.5 GHz
525 MHz/
Stop 12.75 GHz

Ch 27225


RBW 1 kHz
VBW 3 kHz
SWT 426.16 ms
[T1] AV VIEW
Marker 1 [T1]
-86.22 dBm
12.700000 kHz
Ref -5 dBm
Att 0 dB
Offset 15 dB
Start 9 kHz
14.1 kHz/
Stop 150 kHz
RBW 10 kHz
VBW 30 kHz
SWT 902.12 ms
[T1] AV VIEW
Marker 1 [T1]
-93.23 dBm
150.000000 kHz
Ref -10 dBm
Att 0 dB
Offset 15 dB
Start 150 kHz
2.985 MHz/
Stop 30 MHz
RBW 100 kHz
VBW 300 kHz
SWT 207.96 ms
[T1] AV VIEW
Marker 1 [T1]
-66.66 dBm
440.506600 MHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 30 MHz
68.8 MHz/
Stop 718 MHz
RBW 1 MHz
VBW 3 MHz
SWT 1 ms
[T1] AV VIEW
Marker 1 [T1]
-50.21 dBm
895.425000 MHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 733 MHz
26.7 MHz/
Stop 1 GHz
RBW 1 MHz
VBW 3 MHz
SWT 1 ms
[T1] AV VIEW
Marker 1 [T1]
-50.40 dBm
1.168867 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1 GHz
20 MHz/
Stop 1.2 GHz
RBW 1 MHz
VBW 3 MHz
SWT 19.04 ms
[T1] AV VIEW
Marker 1 [T1]
-49.83 dBm
6.681000 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1.2 GHz
630 MHz/
Stop 7.5 GHz
RBW 1 MHz
VBW 3 MHz
SWT 15.88 ms
[T1] AV VIEW
Marker 1 [T1]
-51.44 dBm
12.478750 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 7.5 GHz
525 MHz/
Stop 12.75 GHz

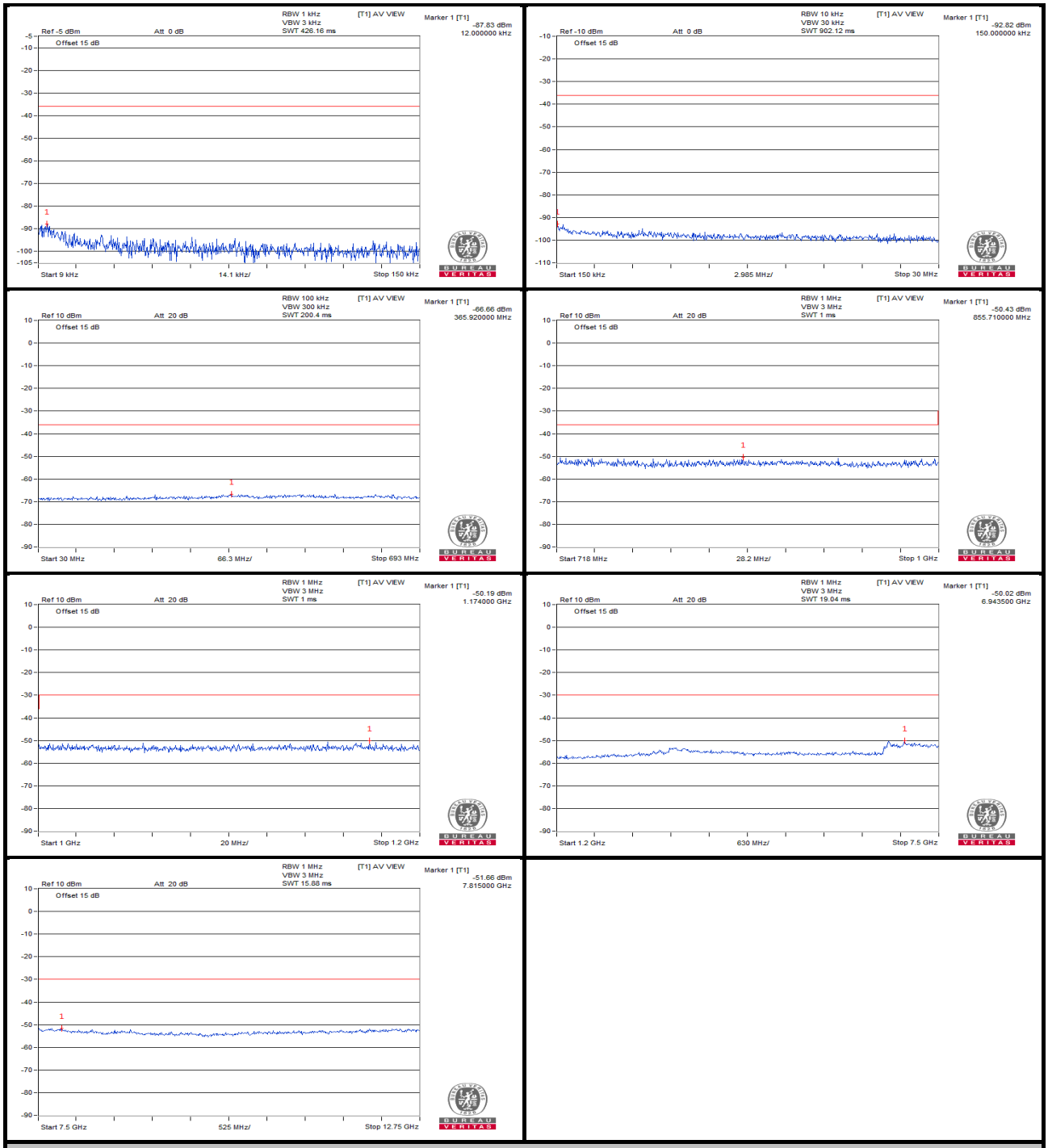
Ch 27435


RBW 1 kHz
VBW 3 kHz
SWT 426.16 ms
[T1] AV VIEW
Marker 1 [T1]
-86.60 dBm
12.200000 kHz
Ref -5 dBm
Att 0 dB
Offset 15 dB
Start 9 kHz
14.1 kHz/
Stop 150 kHz
RBW 10 kHz
VBW 30 kHz
SWT 902.12 ms
[T1] AV VIEW
Marker 1 [T1]
-92.37 dBm
150.000000 kHz
Ref -10 dBm
Att 0 dB
Offset 15 dB
Start 150 kHz
2.985 MHz/
Stop 30 MHz
RBW 100 kHz
VBW 300 kHz
SWT 214.28 ms
[T1] AV VIEW
Marker 1 [T1]
-66.14 dBm
723.638300 MHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 30 MHz
70.9 MHz/
Stop 739 MHz
RBW 1 MHz
VBW 3 MHz
SWT 1 ms
[T1] AV VIEW
Marker 1 [T1]
-50.21 dBm
864.290000 MHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 754 MHz
24.6 MHz/
Stop 1 GHz
RBW 1 MHz
VBW 3 MHz
SWT 1 ms
[T1] AV VIEW
Marker 1 [T1]
-51.18 dBm
1.064000 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1 GHz
20 MHz/
Stop 1.2 GHz
RBW 1 MHz
VBW 3 MHz
SWT 19.04 ms
[T1] AV VIEW
Marker 1 [T1]
-50.31 dBm
6.691500 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1.2 GHz
630 MHz/
Stop 7.5 GHz
RBW 1 MHz
VBW 3 MHz
SWT 15.88 ms
[T1] AV VIEW
Marker 1 [T1]
-51.22 dBm
12.426250 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 7.5 GHz
525 MHz/
Stop 12.75 GHz

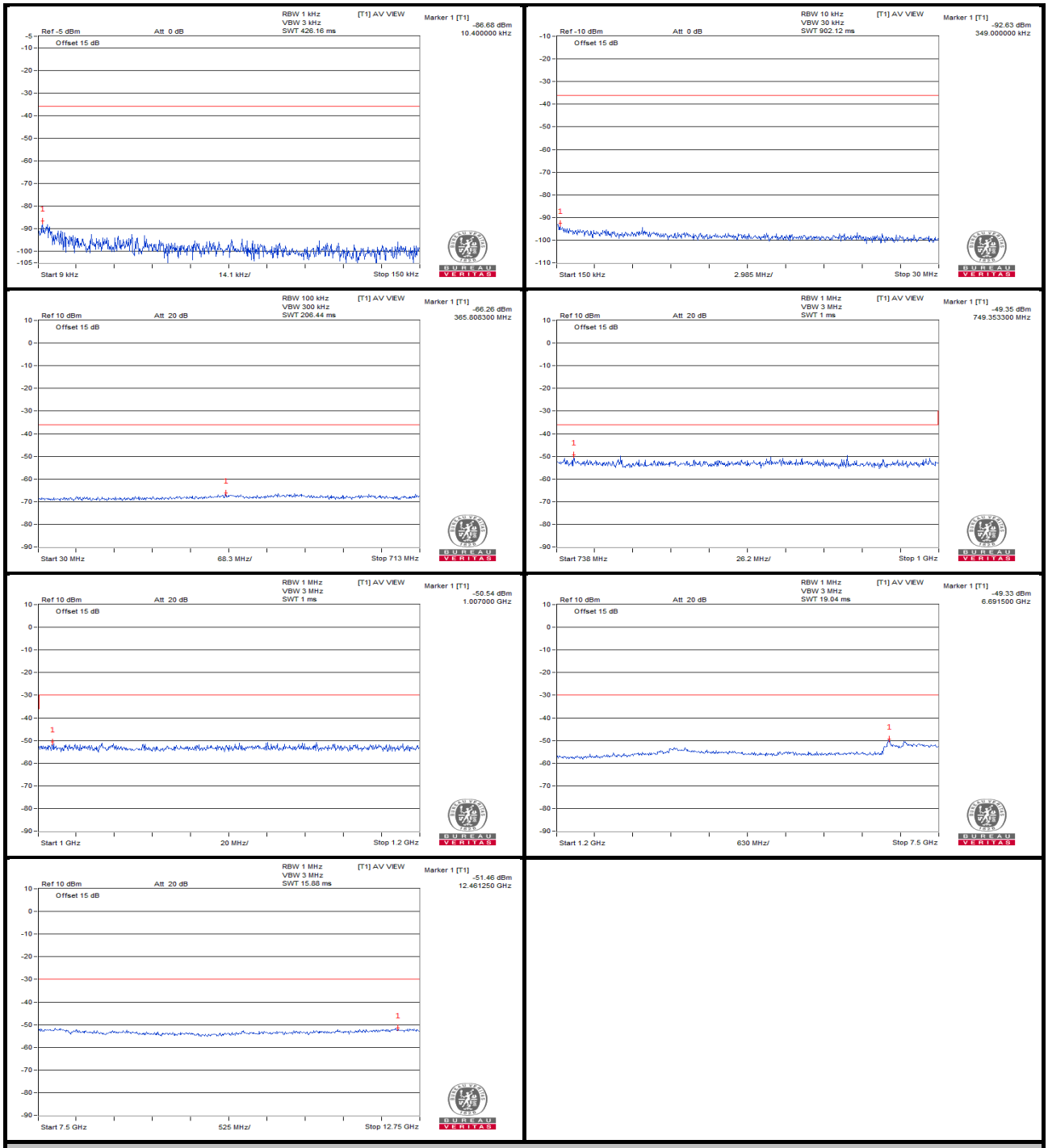
Ch 27645

Bandwidth: 5 MHz / QPSK (1 RB / 0 RB Offset)

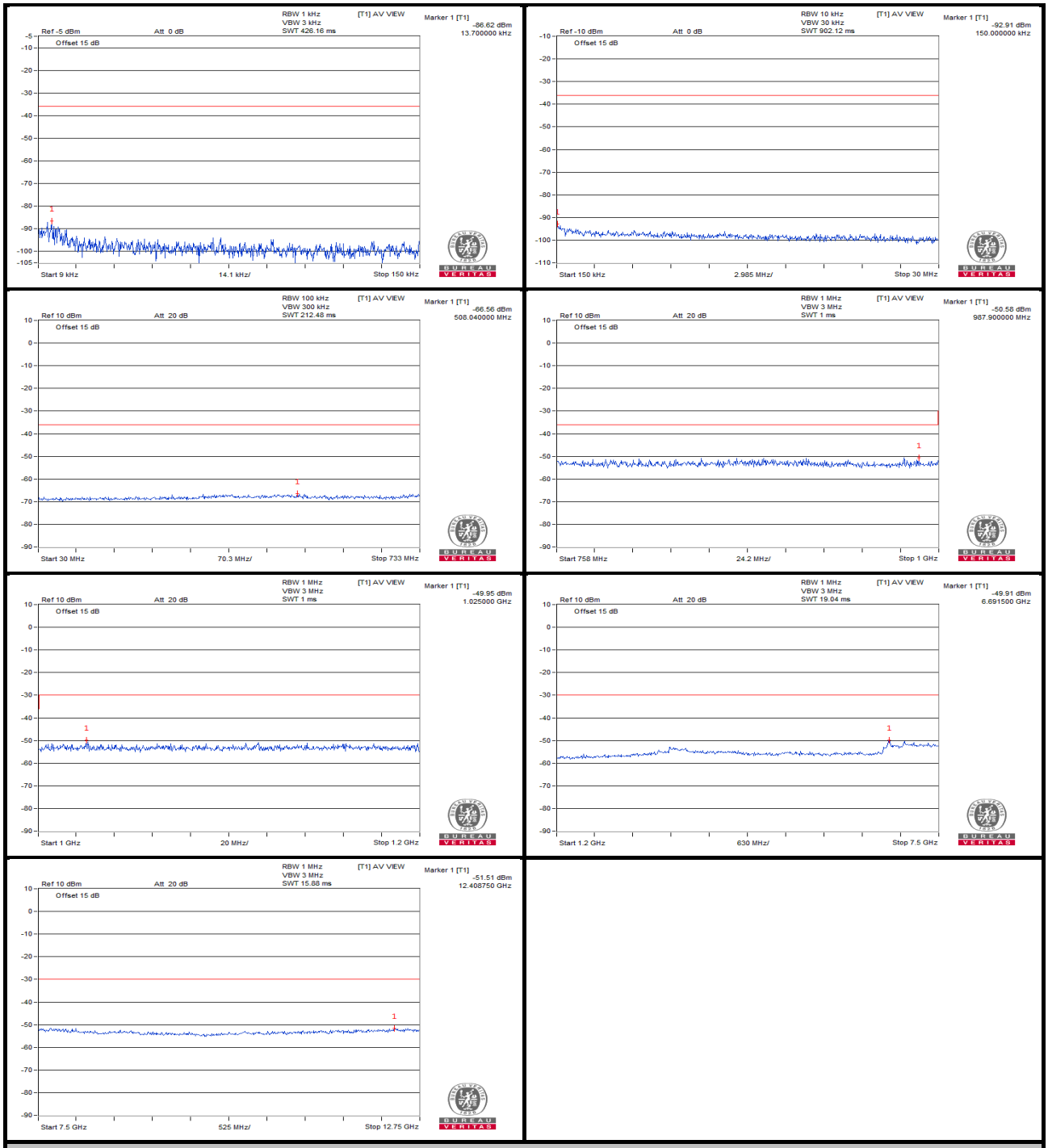
Modulation	Channel	Frequency Range (MHz)	Measurement Value	Limit	Pass / Fail
QPSK	27235	0.009MHz to 0.15MHz	-87.83	-36	PASS
		0.15MHz to 30MHz	-92.82	-36	PASS
		30MHz to 693MHz	-66.66	-36	PASS
		718MHz to 1000MHz	-50.43	-36	PASS
		1000MHz to 1200MHz	-50.19	-30	PASS
		1200MHz to 7500MHz	-50.02	-30	PASS
		7500MHz to 12750MHz	-51.66	-30	PASS
	27435	0.009MHz to 0.15MHz	-86.68	-36	PASS
		0.15MHz to 30MHz	-92.63	-36	PASS
		30MHz to 713MHz	-66.26	-36	PASS
		738MHz to 1000MHz	-49.35	-36	PASS
		1000MHz to 1200MHz	-50.54	-30	PASS
		1200MHz to 7500MHz	-49.33	-30	PASS
		7500MHz to 12750MHz	-51.46	-30	PASS
	27635	0.009MHz to 0.15MHz	-86.62	-36	PASS
		0.15MHz to 30MHz	-92.91	-36	PASS
		30MHz to 733MHz	-66.56	-36	PASS
		758MHz to 1000MHz	-50.58	-36	PASS
		1000MHz to 1200MHz	-49.95	-30	PASS
		1200MHz to 7500MHz	-49.91	-30	PASS
		7500MHz to 12750MHz	-51.51	-30	PASS


RBW 1 kHz
VBW 3 kHz
SWT 426.16 ms
[T1] AV VIEW
Marker 1 [T1]
-87.83 dBm
12.000000 kHz
Ref -5 dBm
Att 0 dB
Offset 15 dB
Start 9 kHz
14.1 kHz/
Stop 150 kHz
RBW 10 kHz
VBW 30 kHz
SWT 902.12 ms
[T1] AV VIEW
Marker 1 [T1]
-92.82 dBm
150.000000 kHz
Ref -10 dBm
Att 0 dB
Offset 15 dB
Start 150 kHz
2.985 MHz/
Stop 30 MHz
RBW 100 kHz
VBW 300 kHz
SWT 200.4 ms
[T1] AV VIEW
Marker 1 [T1]
-66.66 dBm
365.920000 MHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 30 MHz
66.3 MHz/
Stop 693 MHz
RBW 1 MHz
VBW 3 MHz
SWT 1 ms
[T1] AV VIEW
Marker 1 [T1]
-50.43 dBm
855.710000 MHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 718 MHz
28.2 MHz/
Stop 1 GHz
RBW 1 MHz
VBW 3 MHz
SWT 1 ms
[T1] AV VIEW
Marker 1 [T1]
-50.19 dBm
1.174000 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1 GHz
20 MHz/
Stop 1.2 GHz
RBW 1 MHz
VBW 3 MHz
SWT 19.04 ms
[T1] AV VIEW
Marker 1 [T1]
-50.02 dBm
6.943500 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1.2 GHz
630 MHz/
Stop 7.5 GHz
RBW 1 MHz
VBW 3 MHz
SWT 15.88 ms
[T1] AV VIEW
Marker 1 [T1]
-51.66 dBm
7.815000 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 7.5 GHz
525 MHz/
Stop 12.75 GHz

Ch 27235


RBW 1 kHz
VBW 3 kHz
SWT 426.16 ms
[T1] AV VIEW
Marker 1 [T1]
-86.68 dBm
10.400000 kHz
Ref -5 dBm
Att 0 dB
Offset 15 dB
Start 9 kHz
14.1 kHz/
Stop 150 kHz
RBW 10 kHz
VBW 30 kHz
SWT 902.12 ms
[T1] AV VIEW
Marker 1 [T1]
-92.63 dBm
349.000000 kHz
Ref -10 dBm
Att 0 dB
Offset 15 dB
Start 150 kHz
2.985 MHz/
Stop 30 MHz
RBW 100 kHz
VBW 300 kHz
SWT 206.44 ms
[T1] AV VIEW
Marker 1 [T1]
-66.26 dBm
365.808300 MHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 30 MHz
68.3 MHz/
Stop 713 MHz
RBW 1 MHz
VBW 3 MHz
SWT 1 ms
[T1] AV VIEW
Marker 1 [T1]
-49.35 dBm
749.353300 MHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 738 MHz
26.2 MHz/
Stop 1 GHz
RBW 1 MHz
VBW 3 MHz
SWT 1 ms
[T1] AV VIEW
Marker 1 [T1]
-50.54 dBm
1.007000 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1 GHz
20 MHz/
Stop 1.2 GHz
RBW 1 MHz
VBW 3 MHz
SWT 19.04 ms
[T1] AV VIEW
Marker 1 [T1]
-49.33 dBm
6.691500 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1.2 GHz
630 MHz/
Stop 7.5 GHz
RBW 1 MHz
VBW 3 MHz
SWT 15.88 ms
[T1] AV VIEW
Marker 1 [T1]
-51.46 dBm
12.461250 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 7.5 GHz
525 MHz/
Stop 12.75 GHz

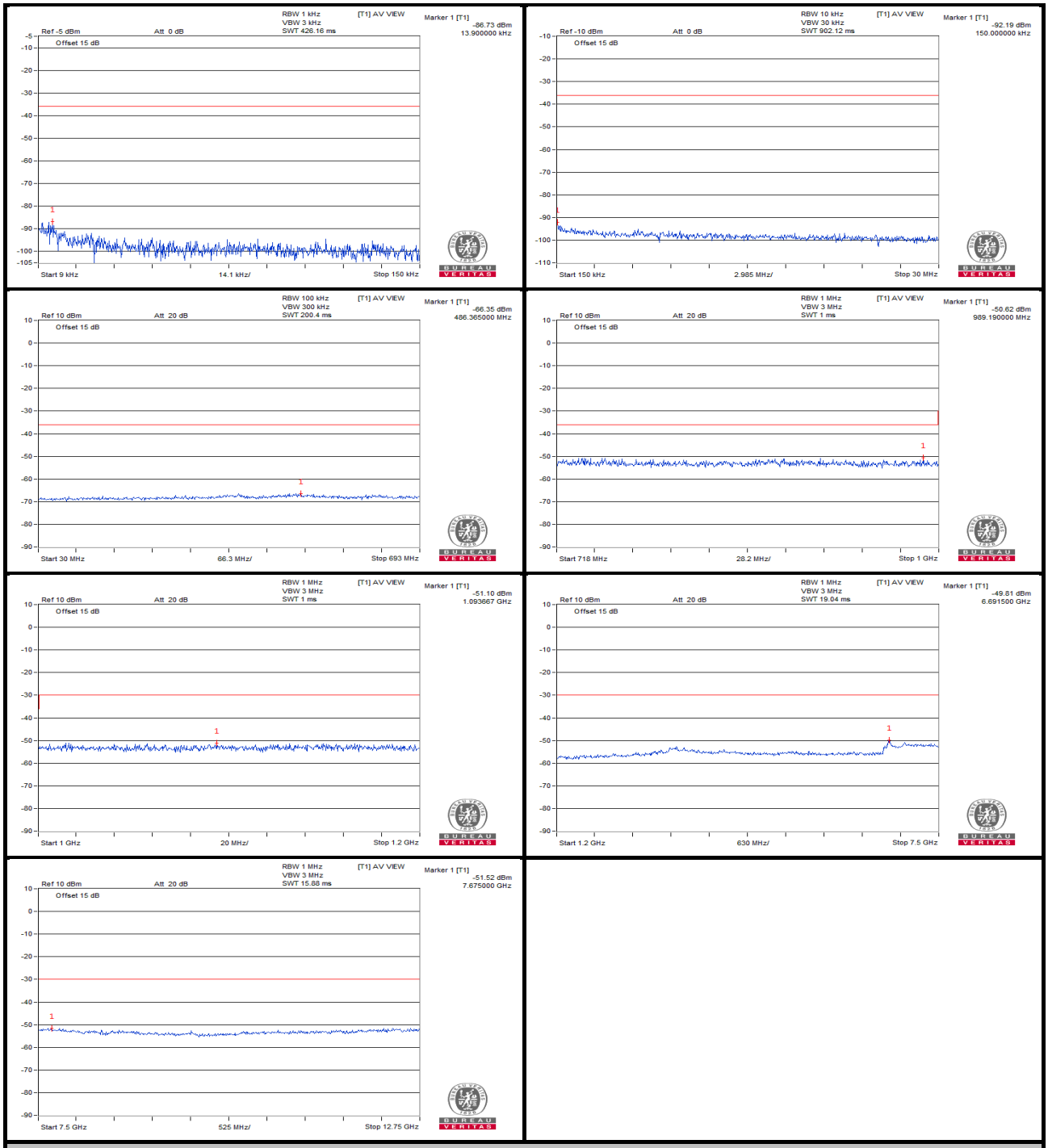
Ch 27435


RBW 1 kHz
VBW 3 kHz
SWT 426.16 ms
[T1] AV VIEW
Marker 1 [T1]
-86.62 dBm
13.700000 kHz
Ref -5 dBm
Att 0 dB
Offset 15 dB
Start 9 kHz
14.1 kHz/
Stop 150 kHz
RBW 10 kHz
VBW 30 kHz
SWT 902.12 ms
[T1] AV VIEW
Marker 1 [T1]
-92.91 dBm
150.000000 kHz
Ref -10 dBm
Att 0 dB
Offset 15 dB
Start 150 kHz
2.985 MHz/
Stop 30 MHz
RBW 100 kHz
VBW 300 kHz
SWT 212.48 ms
[T1] AV VIEW
Marker 1 [T1]
-66.56 dBm
508.040000 MHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 30 MHz
70.3 MHz/
Stop 733 MHz
RBW 1 MHz
VBW 3 MHz
SWT 1 ms
[T1] AV VIEW
Marker 1 [T1]
-50.58 dBm
987.900000 MHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 758 MHz
24.2 MHz/
Stop 1 GHz
RBW 1 MHz
VBW 3 MHz
SWT 1 ms
[T1] AV VIEW
Marker 1 [T1]
-49.95 dBm
1.025000 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1 GHz
20 MHz/
Stop 1.2 GHz
RBW 1 MHz
VBW 3 MHz
SWT 19.04 ms
[T1] AV VIEW
Marker 1 [T1]
-49.91 dBm
6.691500 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1.2 GHz
630 MHz/
Stop 7.5 GHz
RBW 1 MHz
VBW 3 MHz
SWT 15.88 ms
[T1] AV VIEW
Marker 1 [T1]
-51.51 dBm
12.408750 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 7.5 GHz
525 MHz/
Stop 12.75 GHz

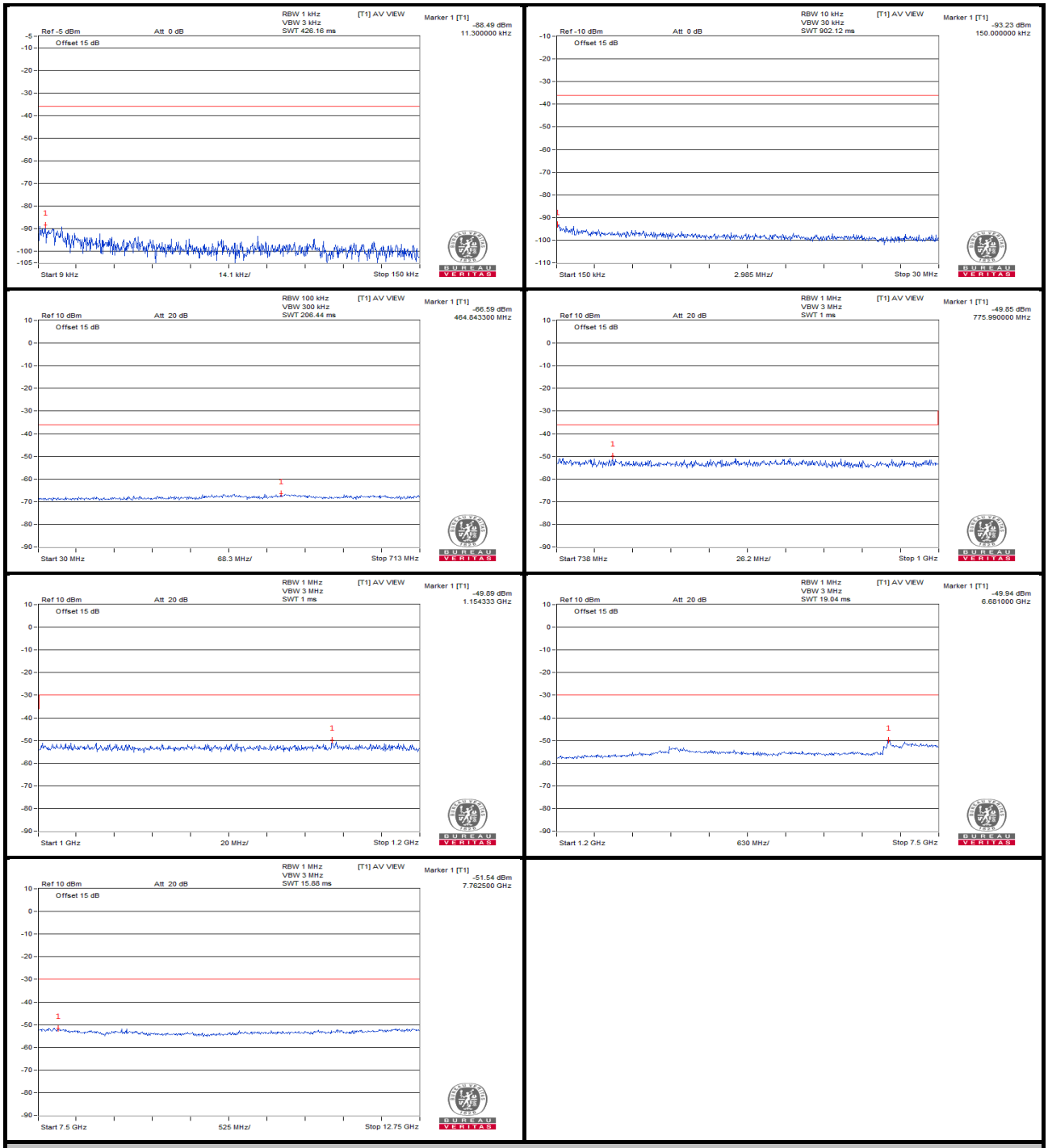
Ch 27635

Bandwidth: 5 MHz / QPSK (25 RB / 0 RB Offset)

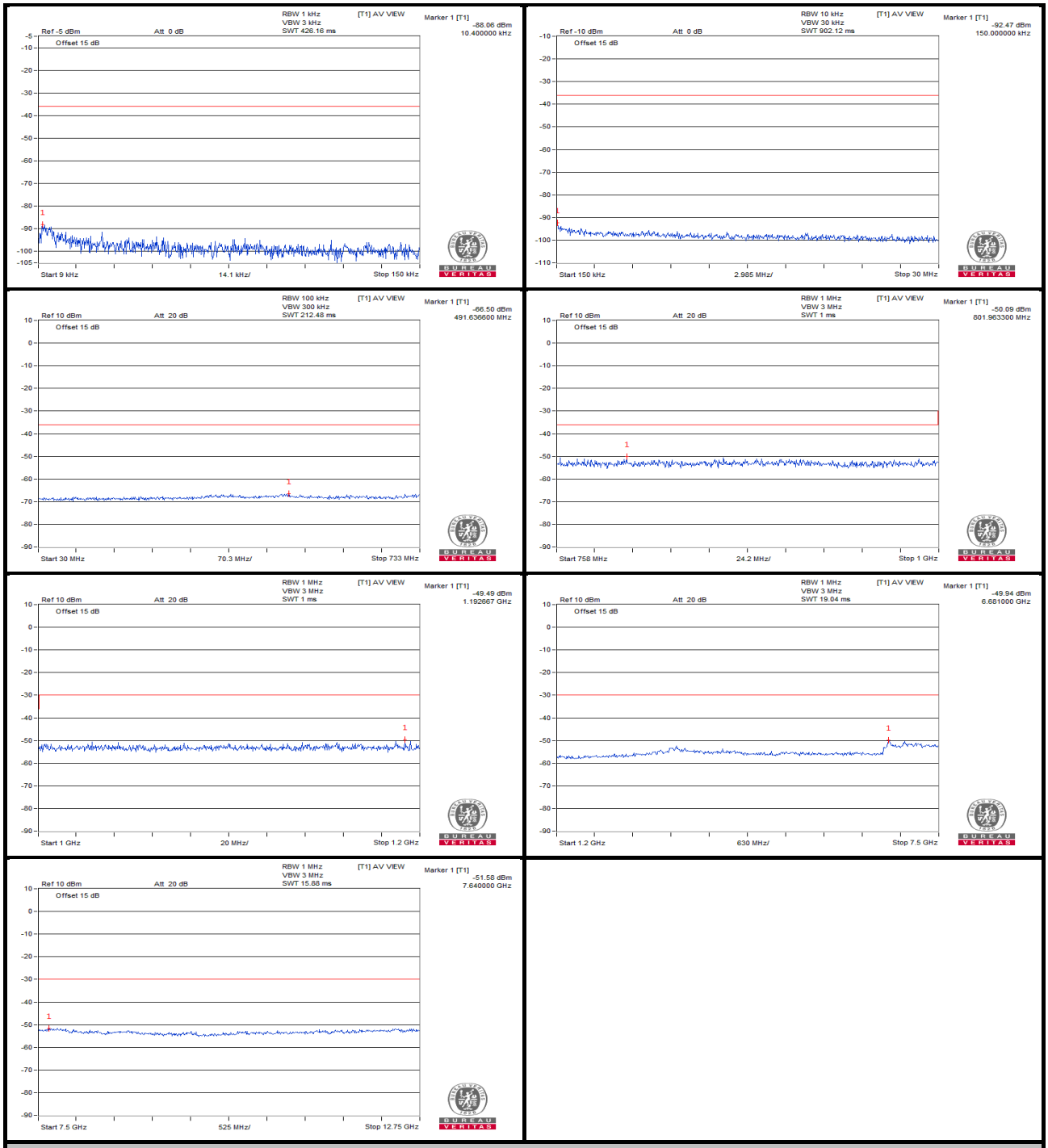
Modulation	Channel	Frequency Range (MHz)	Measurement Value	Limit	Pass / Fail
QPSK	27235	0.009MHz to 0.15MHz	-86.73	-36	PASS
		0.15MHz to 30MHz	-92.19	-36	PASS
		30MHz to 693MHz	-66.35	-36	PASS
		718MHz to 1000MHz	-50.62	-36	PASS
		1000MHz to 1200MHz	-51.10	-30	PASS
		1200MHz to 7500MHz	-49.81	-30	PASS
		7500MHz to 12750MHz	-51.52	-30	PASS
	27435	0.009MHz to 0.15MHz	-88.49	-36	PASS
		0.15MHz to 30MHz	-93.23	-36	PASS
		30MHz to 713MHz	-66.59	-36	PASS
		738MHz to 1000MHz	-49.85	-36	PASS
		1000MHz to 1200MHz	-49.89	-30	PASS
		1200MHz to 7500MHz	-49.94	-30	PASS
		7500MHz to 12750MHz	-51.54	-30	PASS
	27635	0.009MHz to 0.15MHz	-88.06	-36	PASS
		0.15MHz to 30MHz	-92.47	-36	PASS
		30MHz to 733MHz	-66.50	-36	PASS
		758MHz to 1000MHz	-50.09	-36	PASS
		1000MHz to 1200MHz	-49.49	-30	PASS
		1200MHz to 7500MHz	-49.94	-30	PASS
		7500MHz to 12750MHz	-51.58	-30	PASS


RBW 1 kHz
VBW 3 kHz
SWT 426.16 ms
[T1] AV VIEW
Marker 1 [T1]
-86.73 dBm
13.900000 kHz
Ref -5 dBm
Att 0 dB
Offset 15 dB
Start 9 kHz
14.1 kHz/
Stop 150 kHz
RBW 10 kHz
VBW 30 kHz
SWT 902.12 ms
[T1] AV VIEW
Marker 1 [T1]
-92.19 dBm
150.000000 kHz
Ref -10 dBm
Att 0 dB
Offset 15 dB
Start 150 kHz
2.985 MHz/
Stop 30 MHz
RBW 100 kHz
VBW 300 kHz
SWT 200.4 ms
[T1] AV VIEW
Marker 1 [T1]
-66.35 dBm
486.365000 MHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 30 MHz
66.3 MHz/
Stop 693 MHz
RBW 1 MHz
VBW 3 MHz
SWT 1 ms
[T1] AV VIEW
Marker 1 [T1]
-50.62 dBm
989.190000 MHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 718 MHz
28.2 MHz/
Stop 1 GHz
RBW 1 MHz
VBW 3 MHz
SWT 1 ms
[T1] AV VIEW
Marker 1 [T1]
-51.10 dBm
1.093667 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1 GHz
20 MHz/
Stop 1.2 GHz
RBW 1 MHz
VBW 3 MHz
SWT 19.04 ms
[T1] AV VIEW
Marker 1 [T1]
-49.81 dBm
6.691500 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1.2 GHz
630 MHz/
Stop 7.5 GHz
RBW 1 MHz
VBW 3 MHz
SWT 15.88 ms
[T1] AV VIEW
Marker 1 [T1]
-51.52 dBm
7.675000 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 7.5 GHz
525 MHz/
Stop 12.75 GHz

Ch 27235


RBW 1 kHz
VBW 3 kHz
SWT 426.16 ms
[T1] AV VIEW
Marker 1 [T1]
-88.49 dBm
11.300000 kHz
Ref -5 dBm
Att 0 dB
Offset 15 dB
Start 9 kHz
14.1 kHz/
Stop 150 kHz
RBW 10 kHz
VBW 30 kHz
SWT 902.12 ms
[T1] AV VIEW
Marker 1 [T1]
-93.23 dBm
150.000000 kHz
Ref -10 dBm
Att 0 dB
Offset 15 dB
Start 150 kHz
2.985 MHz/
Stop 30 MHz
RBW 100 kHz
VBW 300 kHz
SWT 206.44 ms
[T1] AV VIEW
Marker 1 [T1]
-66.59 dBm
464.843300 MHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 30 MHz
68.3 MHz/
Stop 713 MHz
RBW 1 MHz
VBW 3 MHz
SWT 1 ms
[T1] AV VIEW
Marker 1 [T1]
-49.85 dBm
775.990000 MHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 738 MHz
26.2 MHz/
Stop 1 GHz
RBW 1 MHz
VBW 3 MHz
SWT 1 ms
[T1] AV VIEW
Marker 1 [T1]
-49.89 dBm
1.154333 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1 GHz
20 MHz/
Stop 1.2 GHz
RBW 1 MHz
VBW 3 MHz
SWT 19.04 ms
[T1] AV VIEW
Marker 1 [T1]
-49.94 dBm
6.681000 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1.2 GHz
630 MHz/
Stop 7.5 GHz
RBW 1 MHz
VBW 3 MHz
SWT 15.88 ms
[T1] AV VIEW
Marker 1 [T1]
-51.54 dBm
7.762500 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 7.5 GHz
525 MHz/
Stop 12.75 GHz

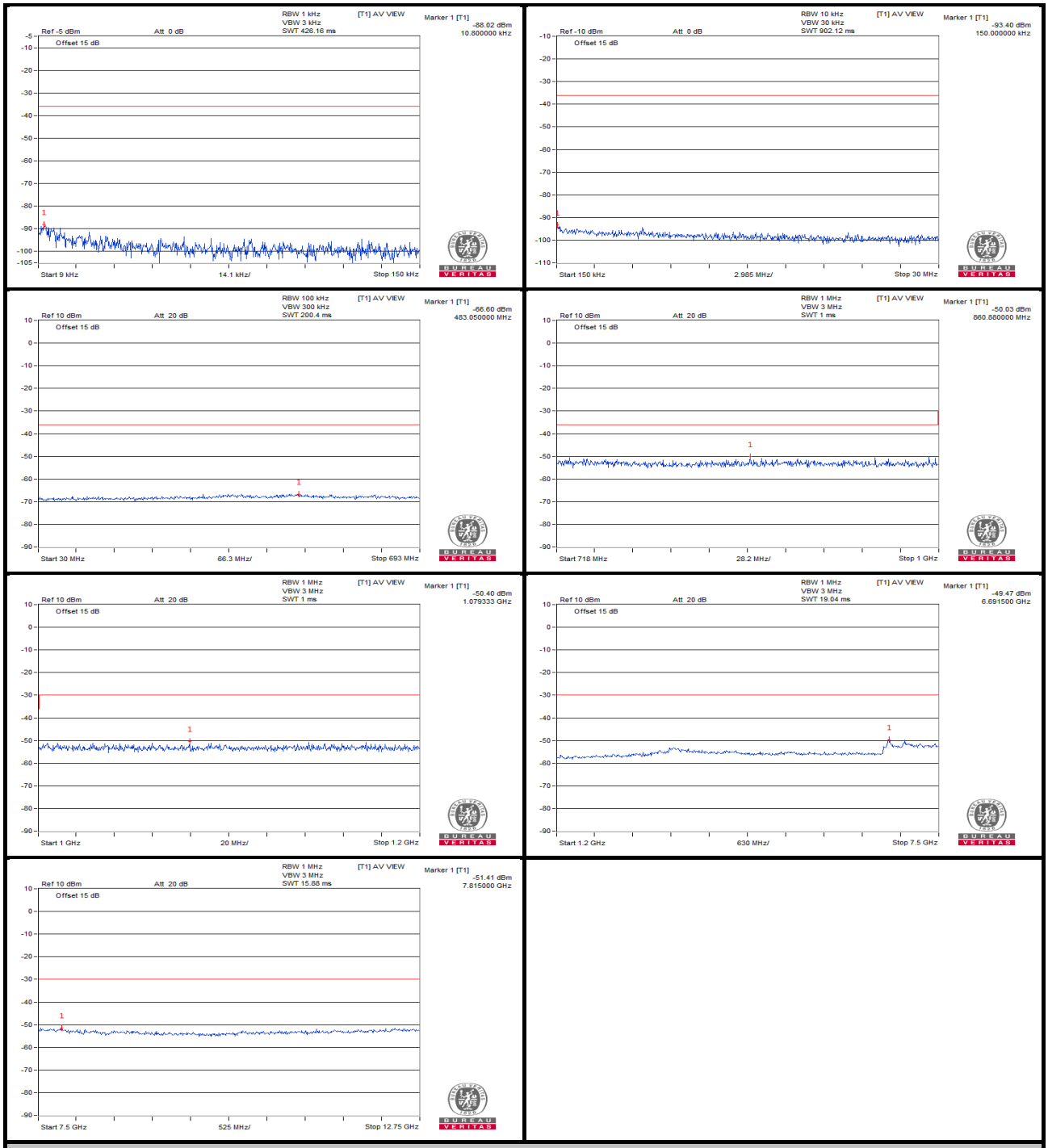
Ch 27435


RBW 1 kHz
VBW 3 kHz
SWT 426.16 ms
[T1] AV VIEW
Marker 1 [T1]
-88.06 dBm
10.400000 kHz
Ref -5 dBm
Att 0 dB
Offset 15 dB
Start 9 kHz
14.1 kHz/
Stop 150 kHz
RBW 10 kHz
VBW 30 kHz
SWT 902.12 ms
[T1] AV VIEW
Marker 1 [T1]
-92.47 dBm
150.000000 kHz
Ref -10 dBm
Att 0 dB
Offset 15 dB
Start 150 kHz
2.985 MHz/
Stop 30 MHz
RBW 100 kHz
VBW 300 kHz
SWT 212.48 ms
[T1] AV VIEW
Marker 1 [T1]
-66.50 dBm
491.636600 MHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 30 MHz
70.3 MHz/
Stop 733 MHz
RBW 1 MHz
VBW 3 MHz
SWT 1 ms
[T1] AV VIEW
Marker 1 [T1]
-50.09 dBm
801.963300 MHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 758 MHz
24.2 MHz/
Stop 1 GHz
RBW 1 MHz
VBW 3 MHz
SWT 1 ms
[T1] AV VIEW
Marker 1 [T1]
-49.49 dBm
1.192667 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1 GHz
20 MHz/
Stop 1.2 GHz
RBW 1 MHz
VBW 3 MHz
SWT 19.04 ms
[T1] AV VIEW
Marker 1 [T1]
-49.94 dBm
6.681000 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1.2 GHz
630 MHz/
Stop 7.5 GHz
RBW 1 MHz
VBW 3 MHz
SWT 15.88 ms
[T1] AV VIEW
Marker 1 [T1]
-51.58 dBm
7.640000 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 7.5 GHz
525 MHz/
Stop 12.75 GHz

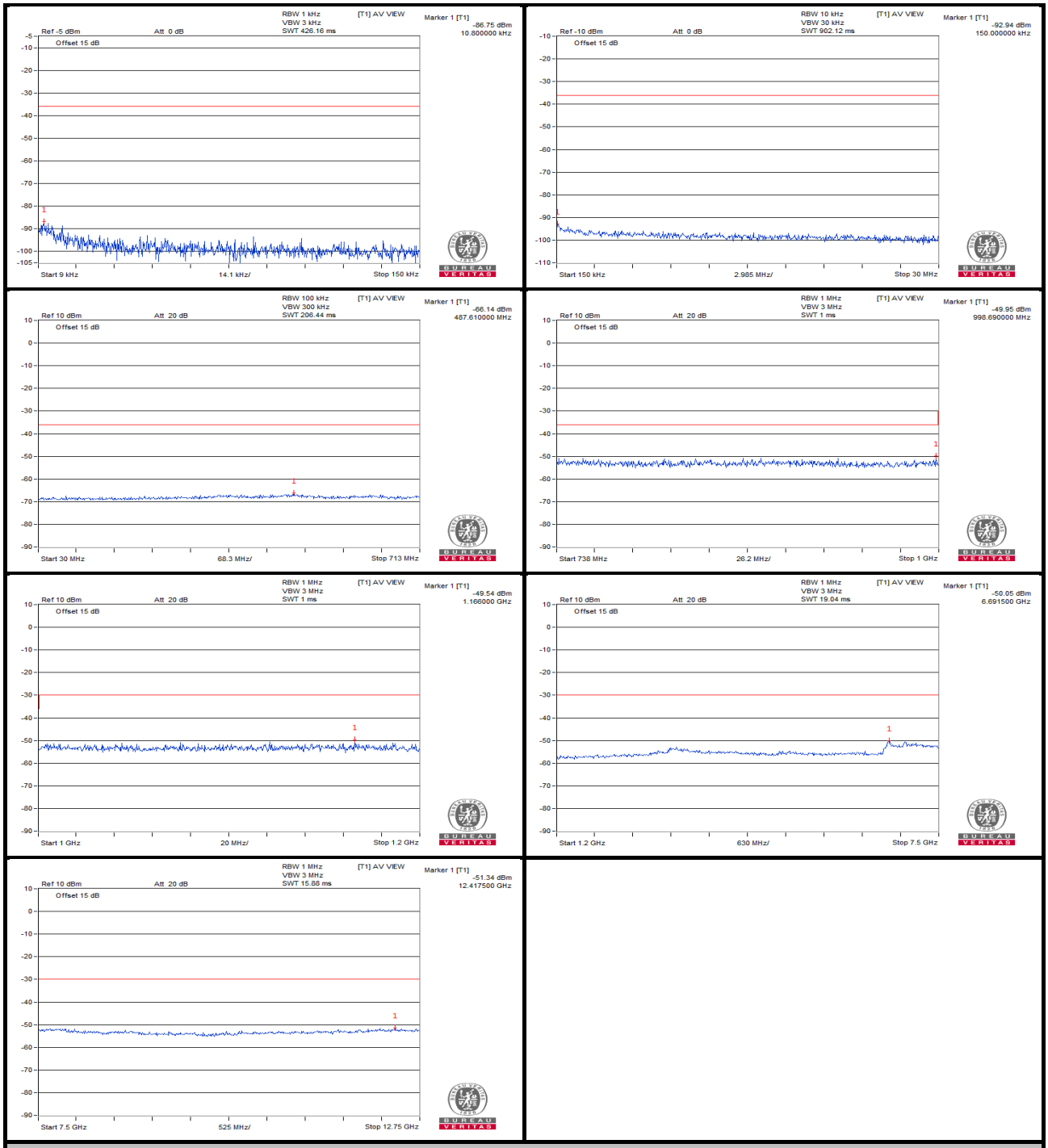
Ch 27635

Bandwidth: 5 MHz / QPSK (1 RB / 24 RB Offset)

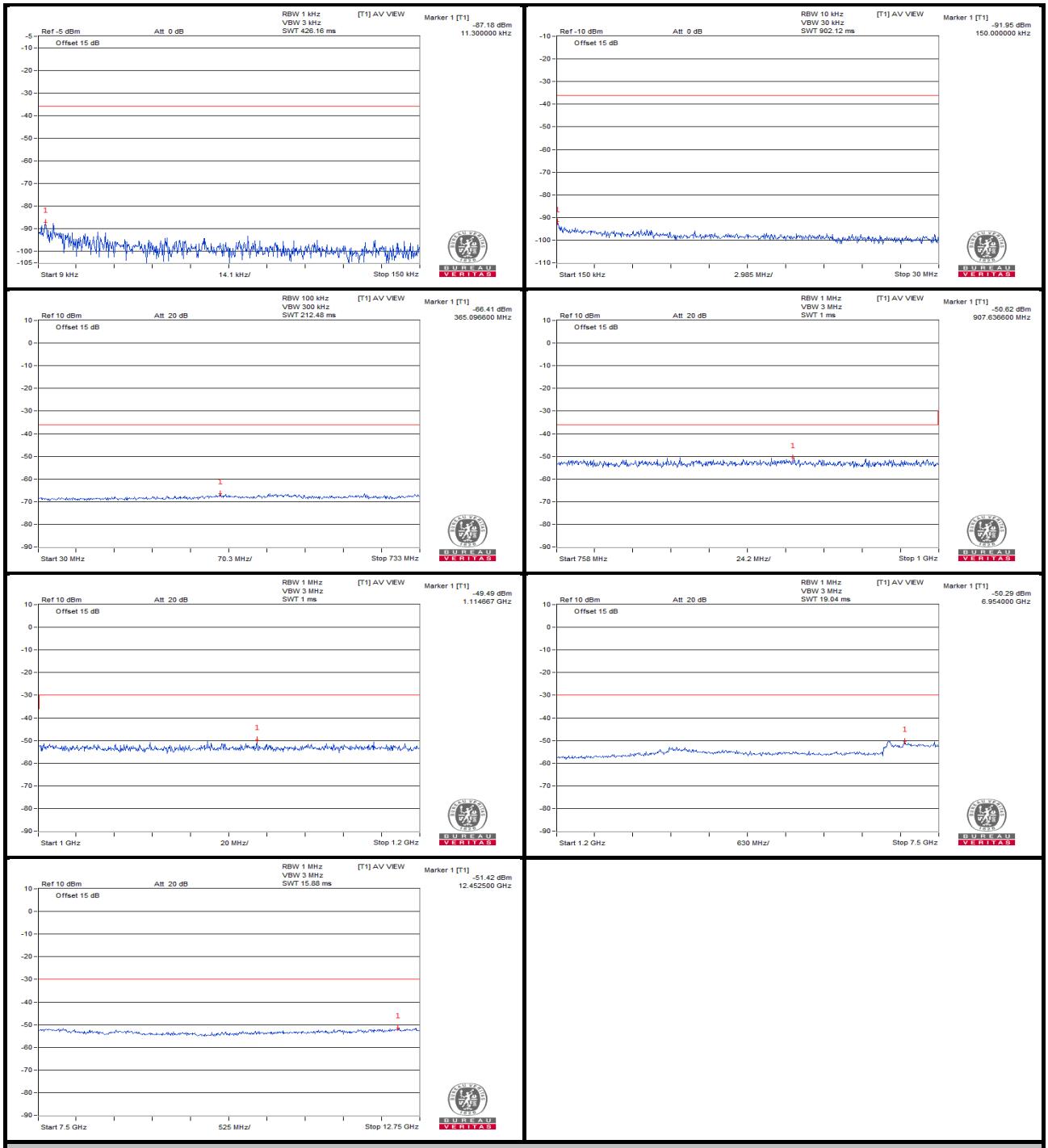
Modulation	Channel	Frequency Range (MHz)	Measurement Value	Limit	Pass / Fail
QPSK	27235	0.009MHz to 0.15MHz	-88.02	-36	PASS
		0.15MHz to 30MHz	-93.40	-36	PASS
		30MHz to 693MHz	-66.60	-36	PASS
		718MHz to 1000MHz	-50.03	-36	PASS
		1000MHz to 1200MHz	-50.40	-30	PASS
		1200MHz to 7500MHz	-49.47	-30	PASS
		7500MHz to 12750MHz	-51.41	-30	PASS
	27435	0.009MHz to 0.15MHz	-86.75	-36	PASS
		0.15MHz to 30MHz	-92.94	-36	PASS
		30MHz to 713MHz	-66.14	-36	PASS
		738MHz to 1000MHz	-49.95	-36	PASS
		1000MHz to 1200MHz	-49.54	-30	PASS
		1200MHz to 7500MHz	-50.05	-30	PASS
		7500MHz to 12750MHz	-51.34	-30	PASS
	27635	0.009MHz to 0.15MHz	-87.18	-36	PASS
		0.15MHz to 30MHz	-91.95	-36	PASS
		30MHz to 733MHz	-66.41	-36	PASS
		758MHz to 1000MHz	-50.62	-36	PASS
		1000MHz to 1200MHz	-49.49	-30	PASS
		1200MHz to 7500MHz	-50.29	-30	PASS
		7500MHz to 12750MHz	-51.42	-30	PASS


RBW 1 kHz
VBW 3 kHz
SWT 426.16 ms
[T1] AV VIEW
Marker 1 [T1]
-88.02 dBm
10.800000 kHz
Ref -5 dBm
Att 0 dB
Offset 15 dB
Start 9 kHz
14.1 kHz/
Stop 150 kHz
RBW 10 kHz
VBW 30 kHz
SWT 902.12 ms
[T1] AV VIEW
Marker 1 [T1]
-93.40 dBm
150.000000 kHz
Ref -10 dBm
Att 0 dB
Offset 15 dB
Start 150 kHz
2.985 MHz/
Stop 30 MHz
RBW 100 kHz
VBW 300 kHz
SWT 200.4 ms
[T1] AV VIEW
Marker 1 [T1]
-66.60 dBm
483.050000 MHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 30 MHz
66.3 MHz/
Stop 693 MHz
RBW 1 MHz
VBW 3 MHz
SWT 1 ms
[T1] AV VIEW
Marker 1 [T1]
-50.03 dBm
860.880000 MHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 718 MHz
28.2 MHz/
Stop 1 GHz
RBW 1 MHz
VBW 3 MHz
SWT 1 ms
[T1] AV VIEW
Marker 1 [T1]
-50.40 dBm
1.079333 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1 GHz
20 MHz/
Stop 1.2 GHz
RBW 1 MHz
VBW 3 MHz
SWT 19.04 ms
[T1] AV VIEW
Marker 1 [T1]
-49.47 dBm
6.691500 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1.2 GHz
630 MHz/
Stop 7.5 GHz
RBW 1 MHz
VBW 3 MHz
SWT 15.88 ms
[T1] AV VIEW
Marker 1 [T1]
-51.41 dBm
7.815000 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 7.5 GHz
525 MHz/
Stop 12.75 GHz

Ch 27235


RBW 1 kHz
VBW 3 kHz
SWT 426.16 ms
[T1] AV VIEW
Marker 1 [T1]
-86.75 dBm
10.800000 kHz
Ref -5 dBm
Att 0 dB
Offset 15 dB
Start 9 kHz
14.1 kHz/
Stop 150 kHz
RBW 10 kHz
VBW 30 kHz
SWT 902.12 ms
[T1] AV VIEW
Marker 1 [T1]
-92.94 dBm
150.000000 kHz
Ref -10 dBm
Att 0 dB
Offset 15 dB
Start 150 kHz
2.985 MHz/
Stop 30 MHz
RBW 100 kHz
VBW 300 kHz
SWT 206.44 ms
[T1] AV VIEW
Marker 1 [T1]
-66.14 dBm
487.610000 MHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 30 MHz
68.3 MHz/
Stop 713 MHz
RBW 1 MHz
VBW 3 MHz
SWT 1 ms
[T1] AV VIEW
Marker 1 [T1]
-49.95 dBm
998.690000 MHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 738 MHz
26.2 MHz/
Stop 1 GHz
RBW 1 MHz
VBW 3 MHz
SWT 1 ms
[T1] AV VIEW
Marker 1 [T1]
-49.54 dBm
1.166000 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1 GHz
20 MHz/
Stop 1.2 GHz
RBW 1 MHz
VBW 3 MHz
SWT 19.04 ms
[T1] AV VIEW
Marker 1 [T1]
-50.05 dBm
6.691500 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1.2 GHz
630 MHz/
Stop 7.5 GHz
RBW 1 MHz
VBW 3 MHz
SWT 15.88 ms
[T1] AV VIEW
Marker 1 [T1]
-51.34 dBm
12.417500 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 7.5 GHz
525 MHz/
Stop 12.75 GHz

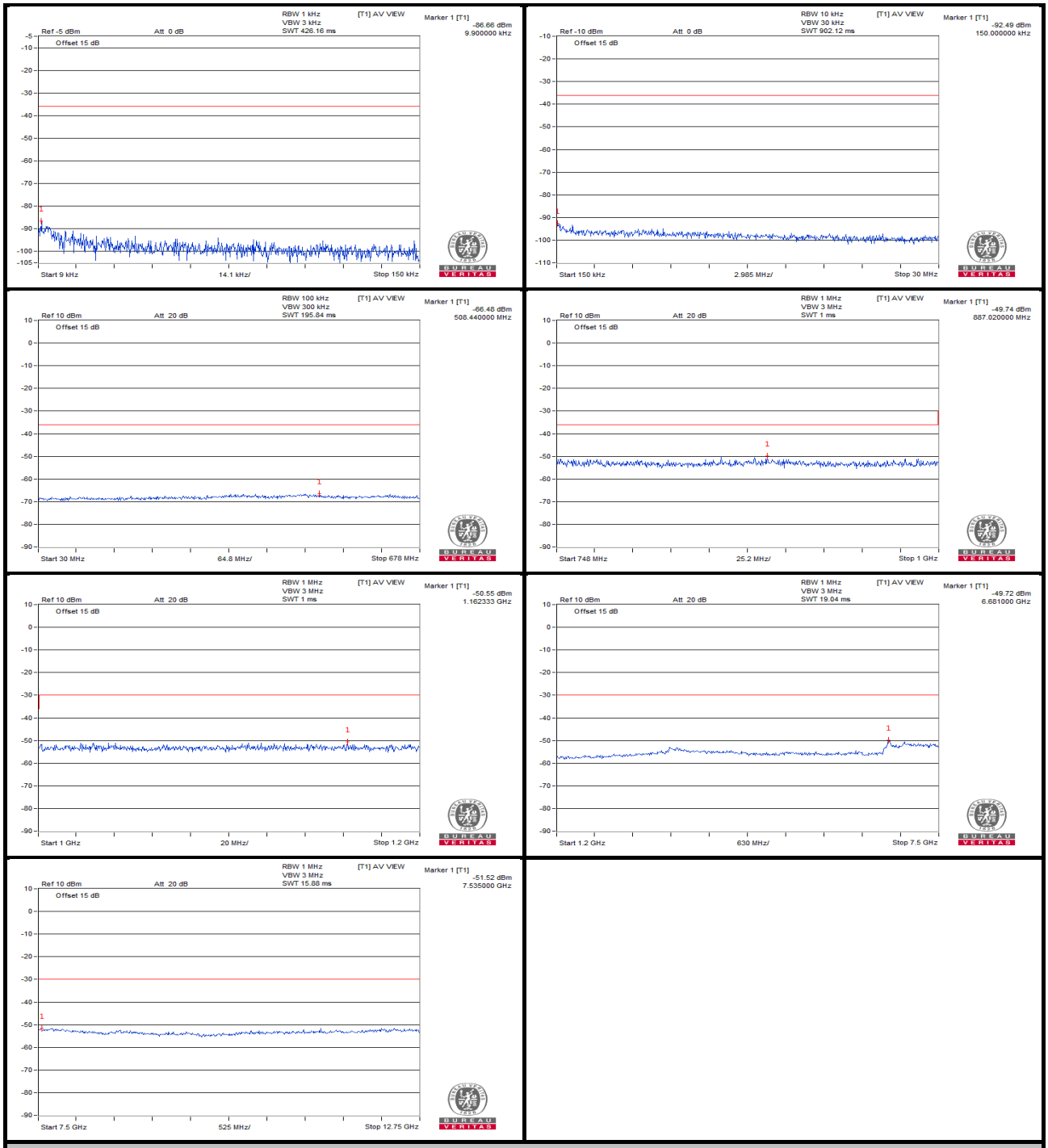
Ch 27435


RBW 1 kHz
VBW 3 kHz
SWT 426.16 ms
[T1] AV VIEW
Marker 1 [T1]
-87.18 dBm
11.300000 kHz
Ref -5 dBm
Att 0 dB
Offset 15 dB
Start 9 kHz
14.1 kHz/
Stop 150 kHz
RBW 10 kHz
VBW 30 kHz
SWT 902.12 ms
[T1] AV VIEW
Marker 1 [T1]
-91.95 dBm
150.000000 kHz
Ref -10 dBm
Att 0 dB
Offset 15 dB
Start 150 kHz
2.985 MHz/
Stop 30 MHz
RBW 100 kHz
VBW 300 kHz
SWT 212.48 ms
[T1] AV VIEW
Marker 1 [T1]
-66.41 dBm
365.096600 MHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 30 MHz
70.3 MHz/
Stop 733 MHz
RBW 1 MHz
VBW 3 MHz
SWT 1 ms
[T1] AV VIEW
Marker 1 [T1]
-50.62 dBm
907.636600 MHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 758 MHz
24.2 MHz/
Stop 1 GHz
RBW 1 MHz
VBW 3 MHz
SWT 1 ms
[T1] AV VIEW
Marker 1 [T1]
-49.49 dBm
1.114667 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1 GHz
20 MHz/
Stop 1.2 GHz
RBW 1 MHz
VBW 3 MHz
SWT 19.04 ms
[T1] AV VIEW
Marker 1 [T1]
-50.29 dBm
6.954000 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1.2 GHz
630 MHz/
Stop 7.5 GHz
RBW 1 MHz
VBW 3 MHz
SWT 15.88 ms
[T1] AV VIEW
Marker 1 [T1]
-51.42 dBm
12.452500 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 7.5 GHz
525 MHz/
Stop 12.75 GHz

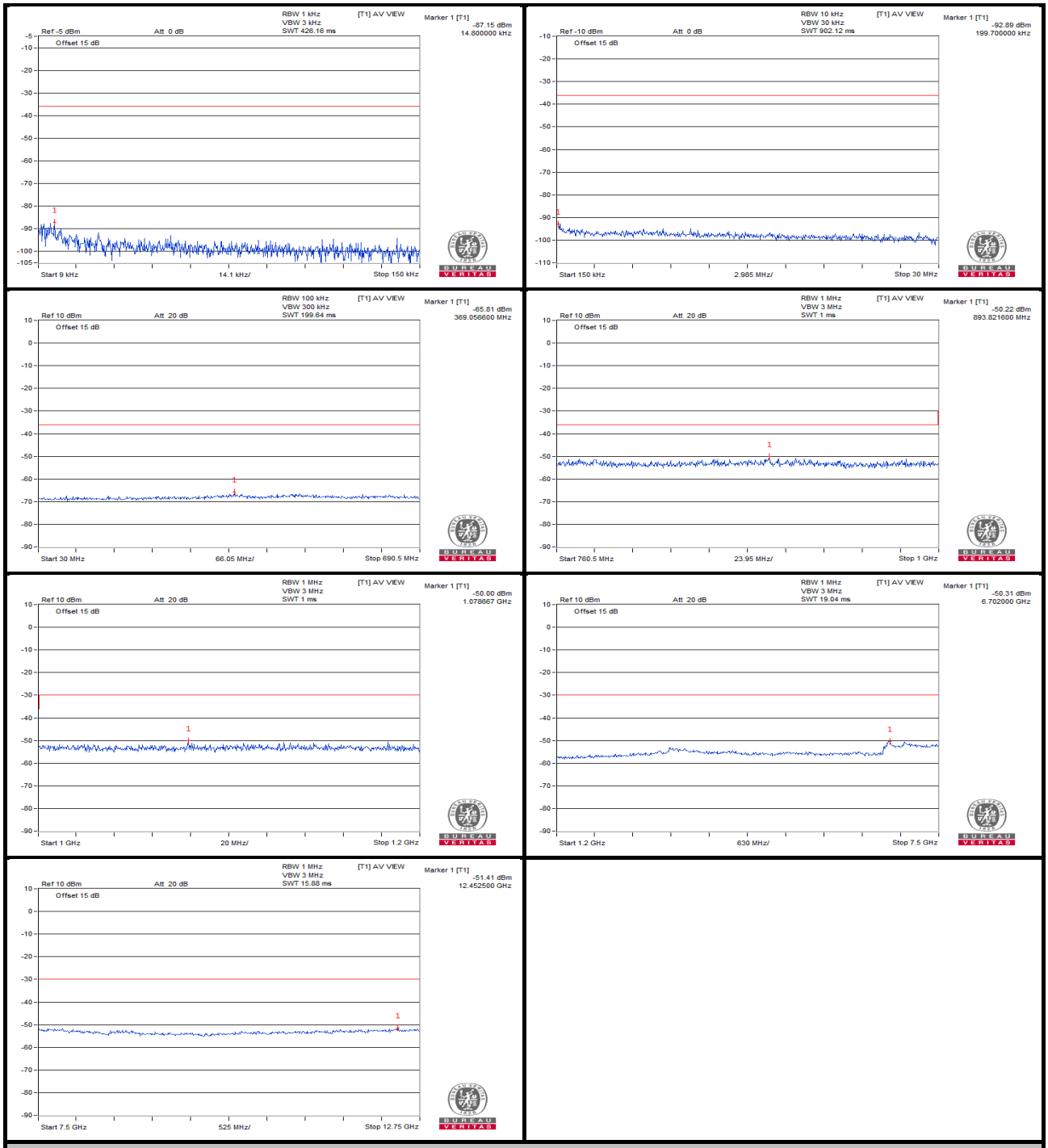
Ch 27635

Bandwidth: 20 MHz / QPSK (1 RB / 0 RB Offset)

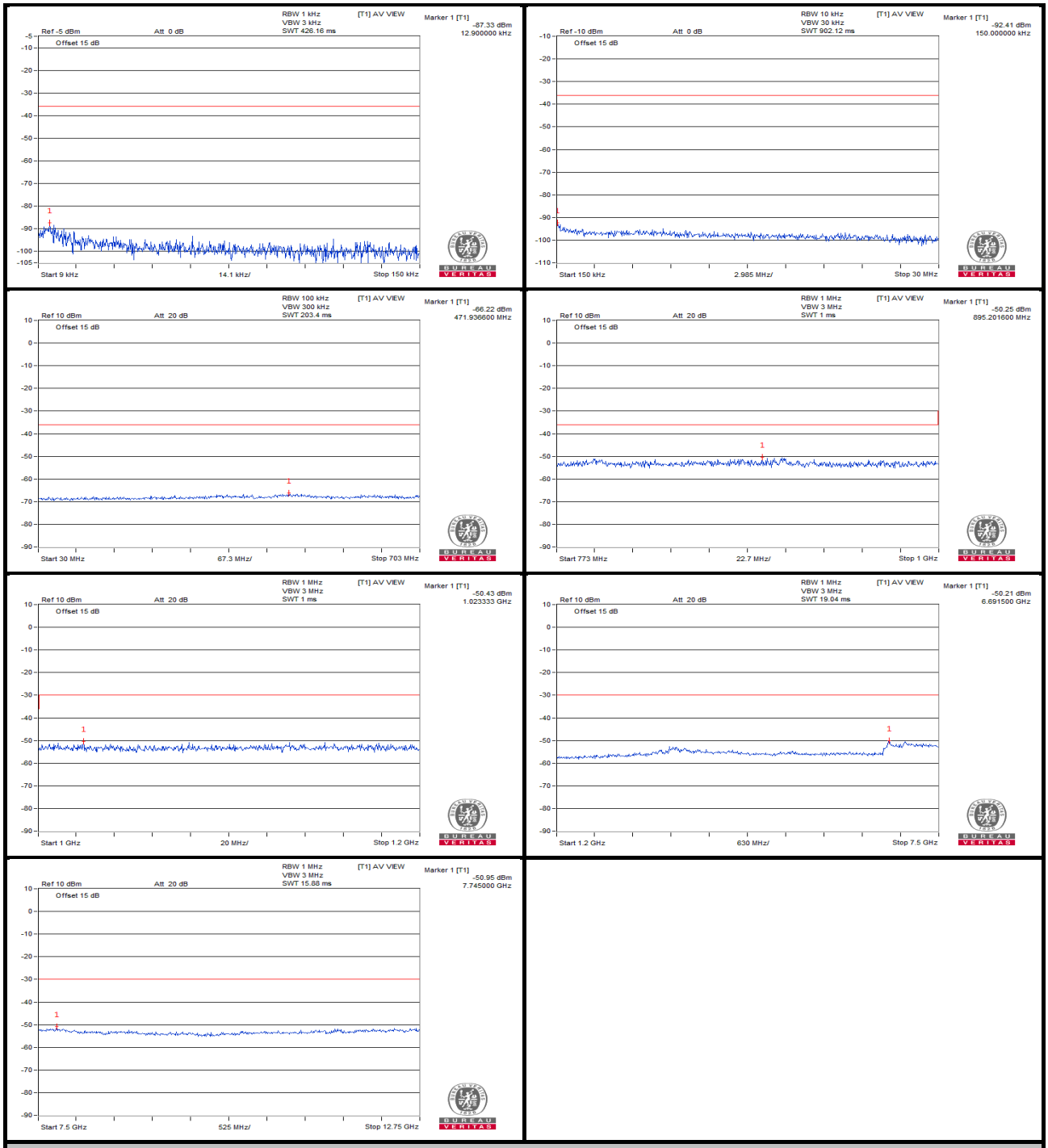
Modulation	Channel	Frequency Range (MHz)	Measurement Value	Limit	Pass / Fail
QPSK	27310	0.009MHz to 0.15MHz	-86.66	-36	PASS
		0.15MHz to 30MHz	-92.49	-36	PASS
		30MHz to 678MHz	-66.48	-36	PASS
		748MHz to 1000MHz	-49.74	-36	PASS
		1000MHz to 1200MHz	-50.55	-30	PASS
		1200MHz to 7500MHz	-49.72	-30	PASS
		7500MHz to 12750MHz	-51.52	-30	PASS
	27435	0.009MHz to 0.15MHz	-87.15	-36	PASS
		0.15MHz to 30MHz	-92.89	-36	PASS
		30MHz to 690.5MHz	-65.81	-36	PASS
		760.5MHz to 1000MHz	-50.22	-36	PASS
		1000MHz to 1200MHz	-50.00	-30	PASS
		1200MHz to 7500MHz	-50.31	-30	PASS
		7500MHz to 12750MHz	-51.41	-30	PASS
	27560	0.009MHz to 0.15MHz	-87.33	-36	PASS
		0.15MHz to 30MHz	-92.41	-36	PASS
		30MHz to 703MHz	-66.22	-36	PASS
		773MHz to 1000MHz	-50.25	-36	PASS
		1000MHz to 1200MHz	-50.43	-30	PASS
		1200MHz to 7500MHz	-50.21	-30	PASS
		7500MHz to 12750MHz	-50.95	-30	PASS


RBW 1 kHz
VBW 3 kHz
SWT 426.16 ms
[T1] AV VIEW
Marker 1 [T1]
-86.66 dBm
9.900000 kHz
Ref -5 dBm
Att 0 dB
Offset 15 dB
Start 9 kHz
14.1 kHz/
Stop 150 kHz
RBW 10 kHz
VBW 30 kHz
SWT 902.12 ms
[T1] AV VIEW
Marker 1 [T1]
-92.49 dBm
150.000000 kHz
Ref -10 dBm
Att 0 dB
Offset 15 dB
Start 150 kHz
2.985 MHz/
Stop 30 MHz
RBW 100 kHz
VBW 300 kHz
SWT 195.84 ms
[T1] AV VIEW
Marker 1 [T1]
-66.48 dBm
508.440000 MHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 30 MHz
64.8 MHz/
Stop 678 MHz
RBW 1 MHz
VBW 3 MHz
SWT 1 ms
[T1] AV VIEW
Marker 1 [T1]
-49.74 dBm
887.020000 MHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 748 MHz
25.2 MHz/
Stop 1 GHz
RBW 1 MHz
VBW 3 MHz
SWT 1 ms
[T1] AV VIEW
Marker 1 [T1]
-50.55 dBm
1.162333 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1 GHz
20 MHz/
Stop 1.2 GHz
RBW 1 MHz
VBW 3 MHz
SWT 19.04 ms
[T1] AV VIEW
Marker 1 [T1]
-49.72 dBm
6.681000 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1.2 GHz
630 MHz/
Stop 7.5 GHz
RBW 1 MHz
VBW 3 MHz
SWT 15.88 ms
[T1] AV VIEW
Marker 1 [T1]
-51.52 dBm
7.535000 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 7.5 GHz
525 MHz/
Stop 12.75 GHz

Ch 27310


RBW 1 kHz
VBW 3 kHz
SWT 426.16 ms
[T1] AV VIEW
Marker 1 [T1]
-87.15 dBm
14.800000 kHz
Ref -5 dBm
Att 0 dB
Offset 15 dB
Start 9 kHz
14.1 kHz/
Stop 150 kHz
RBW 10 kHz
VBW 30 kHz
SWT 902.12 ms
[T1] AV VIEW
Marker 1 [T1]
-92.89 dBm
199.700000 kHz
Ref -10 dBm
Att 0 dB
Offset 15 dB
Start 150 kHz
2.985 MHz/
Stop 30 MHz
RBW 100 kHz
VBW 300 kHz
SWT 199.64 ms
[T1] AV VIEW
Marker 1 [T1]
-65.81 dBm
369.056600 MHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 30 MHz
66.05 MHz/
Stop 690.5 MHz
RBW 1 MHz
VBW 3 MHz
SWT 1 ms
[T1] AV VIEW
Marker 1 [T1]
-50.22 dBm
893.821600 MHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 760.5 MHz
23.95 MHz/
Stop 1 GHz
RBW 1 MHz
VBW 3 MHz
SWT 1 ms
[T1] AV VIEW
Marker 1 [T1]
-50.00 dBm
1.078667 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1 GHz
20 MHz/
Stop 1.2 GHz
RBW 1 MHz
VBW 3 MHz
SWT 19.04 ms
[T1] AV VIEW
Marker 1 [T1]
-50.31 dBm
6.702000 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1.2 GHz
630 MHz/
Stop 7.5 GHz
RBW 1 MHz
VBW 3 MHz
SWT 15.88 ms
[T1] AV VIEW
Marker 1 [T1]
-51.41 dBm
12.452500 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 7.5 GHz
525 MHz/
Stop 12.75 GHz

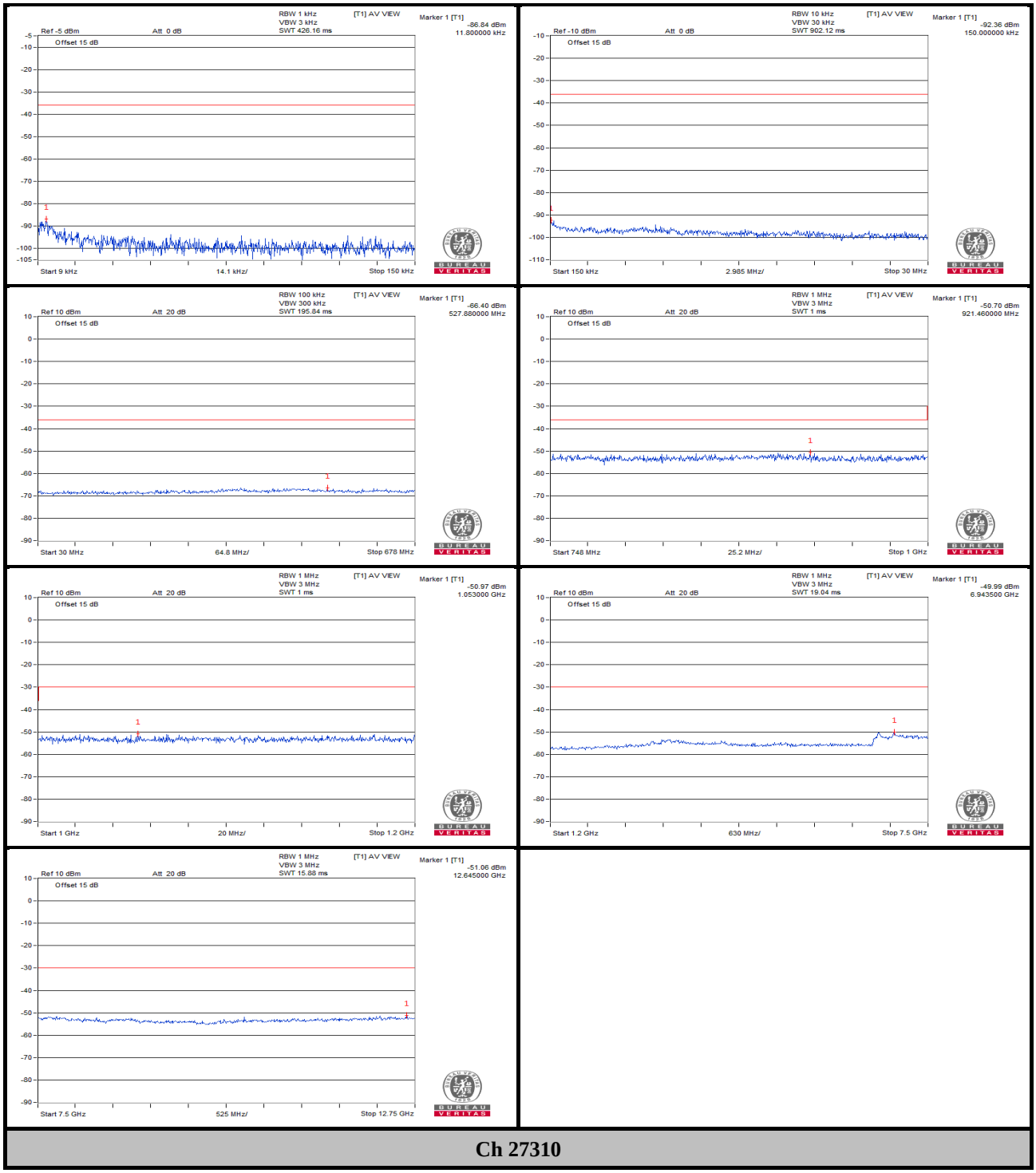
Ch 27435


RBW 1 kHz
VBW 3 kHz
SWT 426.16 ms
[T1] AV VIEW
Marker 1 [T1]
-87.33 dBm
12.900000 kHz
Ref -5 dBm
Att 0 dB
Offset 15 dB
Start 9 kHz
14.1 kHz/
Stop 150 kHz
RBW 10 kHz
VBW 30 kHz
SWT 902.12 ms
[T1] AV VIEW
Marker 1 [T1]
-92.41 dBm
150.000000 kHz
Ref -10 dBm
Att 0 dB
Offset 15 dB
Start 150 kHz
2.985 MHz/
Stop 30 MHz
RBW 100 kHz
VBW 300 kHz
SWT 203.4 ms
[T1] AV VIEW
Marker 1 [T1]
-66.22 dBm
471.936600 MHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 30 MHz
67.3 MHz/
Stop 703 MHz
RBW 1 MHz
VBW 3 MHz
SWT 1 ms
[T1] AV VIEW
Marker 1 [T1]
-50.25 dBm
895.201600 MHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 773 MHz
22.7 MHz/
Stop 1 GHz
RBW 1 MHz
VBW 3 MHz
SWT 1 ms
[T1] AV VIEW
Marker 1 [T1]
-50.43 dBm
1.023333 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1 GHz
20 MHz/
Stop 1.2 GHz
RBW 1 MHz
VBW 3 MHz
SWT 19.04 ms
[T1] AV VIEW
Marker 1 [T1]
-50.21 dBm
6.691500 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1.2 GHz
630 MHz/
Stop 7.5 GHz
RBW 1 MHz
VBW 3 MHz
SWT 15.88 ms
[T1] AV VIEW
Marker 1 [T1]
-50.95 dBm
7.745000 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 7.5 GHz
525 MHz/
Stop 12.75 GHz

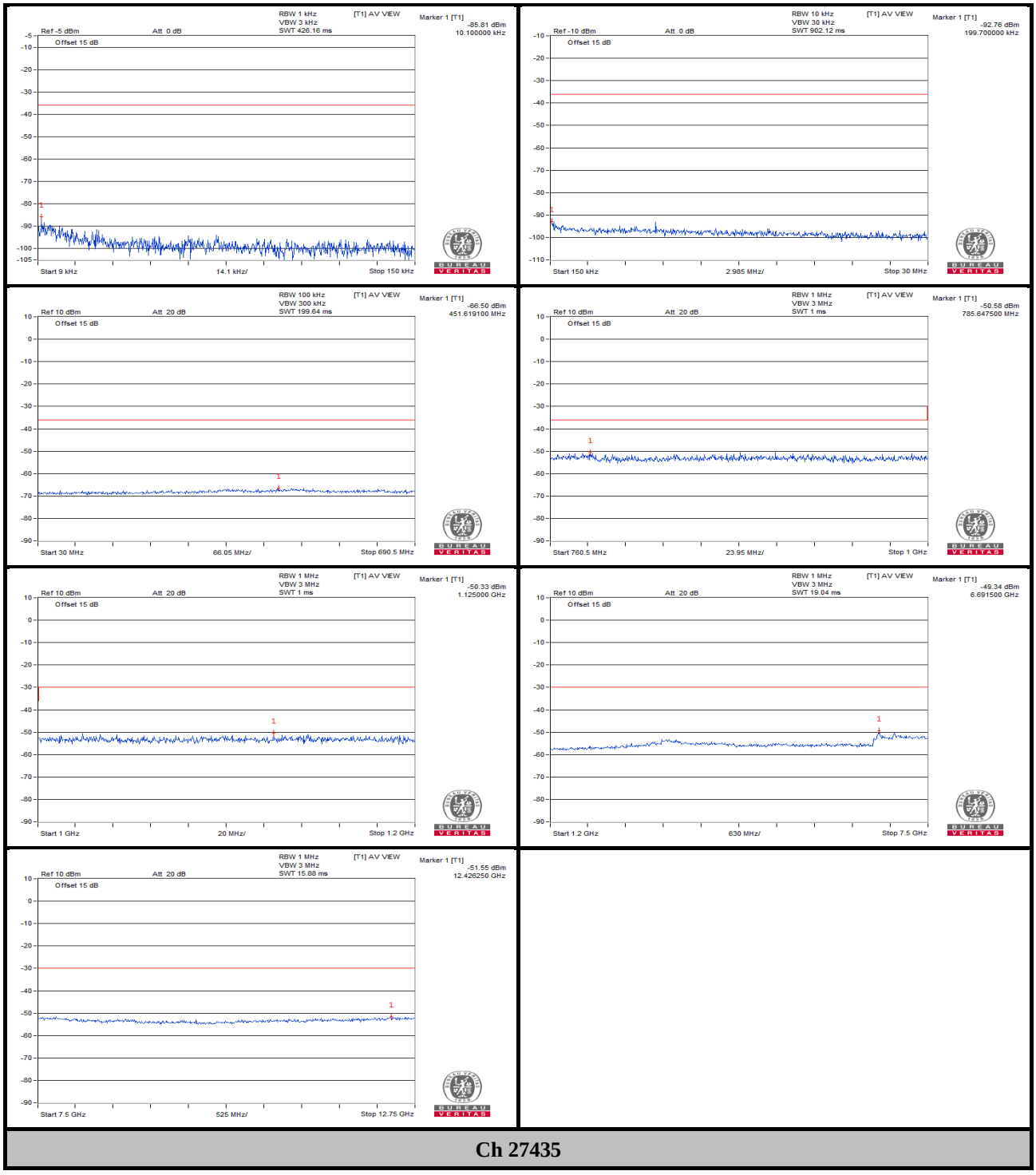
Ch 27560

Bandwidth: 20 MHz / QPSK (100 RB / 0 RB Offset)

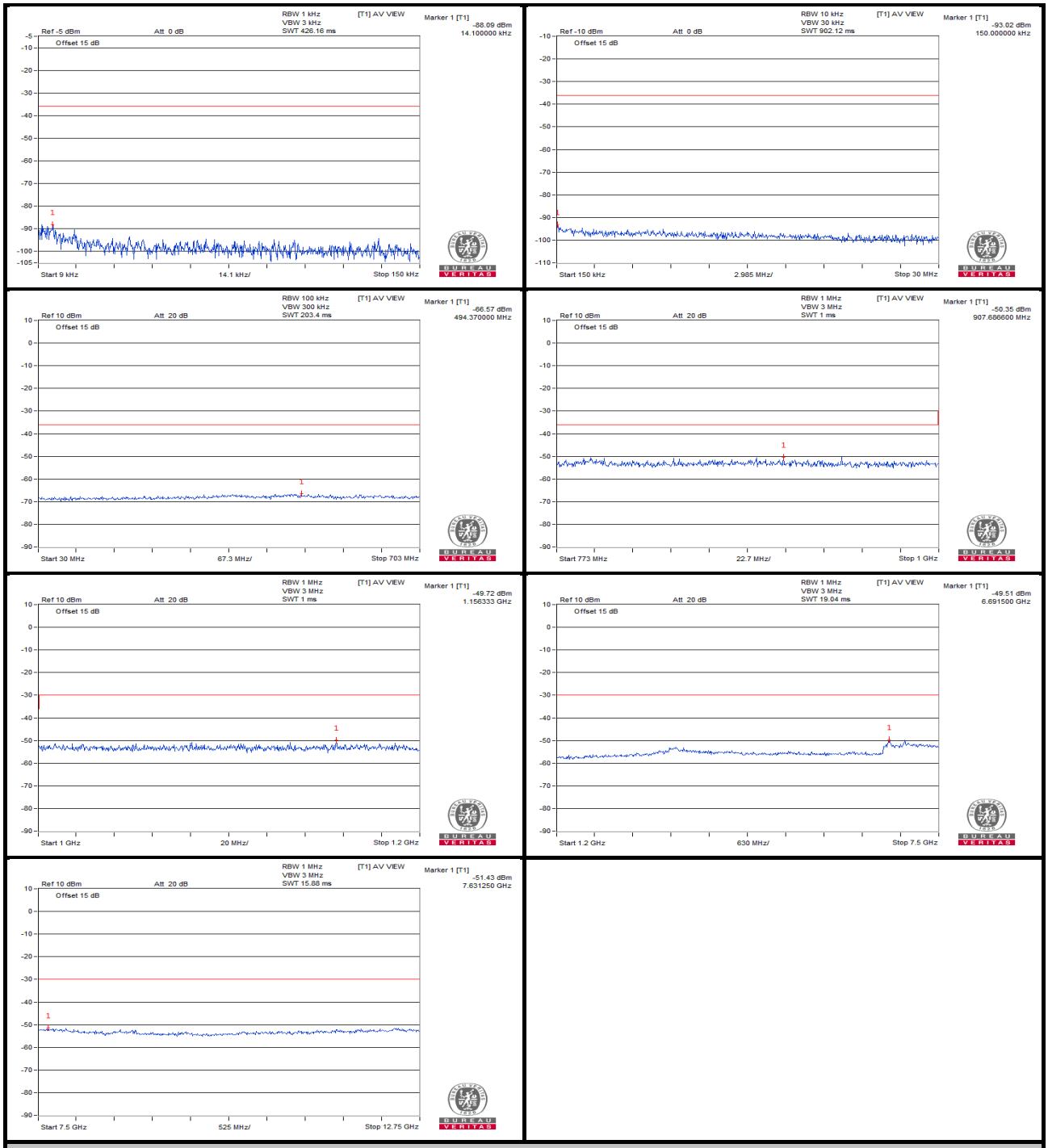
Modulation	Channel	Frequency Range (MHz)	Measurement Value	Limit	Pass / Fail
QPSK	27310	0.009MHz to 0.15MHz	-86.84	-36	PASS
		0.15MHz to 30MHz	-92.36	-36	PASS
		30MHz to 678MHz	-66.40	-36	PASS
		748MHz to 1000MHz	-50.70	-36	PASS
		1000MHz to 1200MHz	-50.97	-30	PASS
		1200MHz to 7500MHz	-49.99	-30	PASS
		7500MHz to 12750MHz	-51.06	-30	PASS
	27435	0.009MHz to 0.15MHz	-85.81	-36	PASS
		0.15MHz to 30MHz	-92.76	-36	PASS
		30MHz to 690.5MHz	-66.50	-36	PASS
		760.5MHz to 1000MHz	-50.58	-36	PASS
		1000MHz to 1200MHz	-50.33	-30	PASS
		1200MHz to 7500MHz	-49.34	-30	PASS
		7500MHz to 12750MHz	-51.55	-30	PASS
	27560	0.009MHz to 0.15MHz	-88.09	-36	PASS
		0.15MHz to 30MHz	-93.02	-36	PASS
		30MHz to 703MHz	-66.57	-36	PASS
		773MHz to 1000MHz	-50.35	-36	PASS
		1000MHz to 1200MHz	-49.72	-30	PASS
		1200MHz to 7500MHz	-49.51	-30	PASS
		7500MHz to 12750MHz	-51.43	-30	PASS


RBW 1 kHz
VBW 3 kHz
SWT 426.16 ms
[T1] AV VIEW
Marker 1 [T1]
-86.84 dBm
11.800000 kHz
Ref -5 dBm
Att 0 dB
Offset 15 dB
Start 9 kHz
14.1 kHz/
Stop 150 kHz
RBW 10 kHz
VBW 30 kHz
SWT 902.12 ms
[T1] AV VIEW
Marker 1 [T1]
-92.36 dBm
150.000000 kHz
Ref -10 dBm
Att 0 dB
Offset 15 dB
Start 150 kHz
2.985 MHz/
Stop 30 MHz
RBW 100 kHz
VBW 300 kHz
SWT 195.84 ms
[T1] AV VIEW
Marker 1 [T1]
-66.40 dBm
527.880000 MHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 30 MHz
64.8 MHz/
Stop 678 MHz
RBW 1 MHz
VBW 3 MHz
SWT 1 ms
[T1] AV VIEW
Marker 1 [T1]
-50.70 dBm
921.460000 MHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 748 MHz
25.2 MHz/
Stop 1 GHz
RBW 1 MHz
VBW 3 MHz
SWT 1 ms
[T1] AV VIEW
Marker 1 [T1]
-50.97 dBm
1.053000 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1 GHz
20 MHz/
Stop 1.2 GHz
RBW 1 MHz
VBW 3 MHz
SWT 19.04 ms
[T1] AV VIEW
Marker 1 [T1]
-49.99 dBm
6.943500 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1.2 GHz
630 MHz/
Stop 7.5 GHz
RBW 1 MHz
VBW 3 MHz
SWT 15.88 ms
[T1] AV VIEW
Marker 1 [T1]
-51.06 dBm
12.645000 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 7.5 GHz
525 MHz/
Stop 12.75 GHz

Ch 27310


RBW 1 kHz
VBW 3 kHz
SWT 426.16 ms
[T1] AV VIEW
Marker 1 [T1]
-85.81 dBm
10.100000 kHz
Ref -5 dBm
Att 0 dB
Offset 15 dB
Start 9 kHz
14.1 kHz/
Stop 150 kHz
RBW 10 kHz
VBW 30 kHz
SWT 902.12 ms
[T1] AV VIEW
Marker 1 [T1]
-92.76 dBm
199.700000 kHz
Ref -10 dBm
Att 0 dB
Offset 15 dB
Start 150 kHz
2.985 MHz/
Stop 30 MHz
RBW 100 kHz
VBW 300 kHz
SWT 199.64 ms
[T1] AV VIEW
Marker 1 [T1]
-66.50 dBm
451.619100 MHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 30 MHz
66.05 MHz/
Stop 690.5 MHz
RBW 1 MHz
VBW 3 MHz
SWT 1 ms
[T1] AV VIEW
Marker 1 [T1]
-50.58 dBm
785.647500 MHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 760.5 MHz
23.95 MHz/
Stop 1 GHz
RBW 1 MHz
VBW 3 MHz
SWT 1 ms
[T1] AV VIEW
Marker 1 [T1]
-50.33 dBm
1.125000 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1 GHz
20 MHz/
Stop 1.2 GHz
RBW 1 MHz
VBW 3 MHz
SWT 19.04 ms
[T1] AV VIEW
Marker 1 [T1]
-49.34 dBm
6.691500 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1.2 GHz
630 MHz/
Stop 7.5 GHz
RBW 1 MHz
VBW 3 MHz
SWT 15.88 ms
[T1] AV VIEW
Marker 1 [T1]
-51.55 dBm
12.426250 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 7.5 GHz
525 MHz/
Stop 12.75 GHz

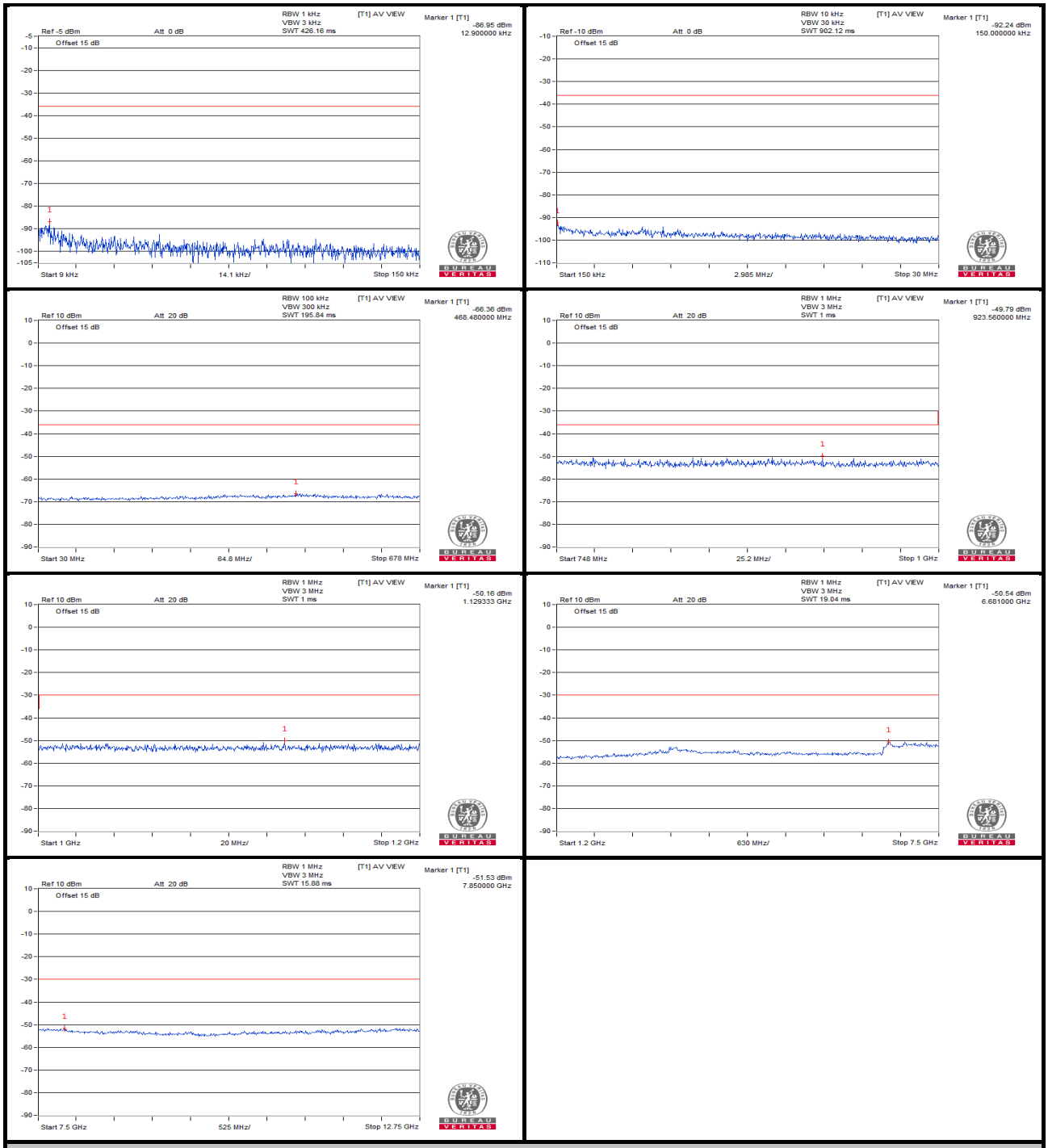
Ch 27435


RBW 1 kHz
VBW 3 kHz
SWT 426.16 ms
[T1] AV VIEW
Marker 1 [T1]
-88.09 dBm
14.100000 kHz
Ref -5 dBm
Att 0 dB
Offset 15 dB
Start 9 kHz
14.1 kHz/
Stop 150 kHz
RBW 10 kHz
VBW 30 kHz
SWT 902.12 ms
[T1] AV VIEW
Marker 1 [T1]
-93.02 dBm
150.000000 kHz
Ref -10 dBm
Att 0 dB
Offset 15 dB
Start 150 kHz
2.985 MHz/
Stop 30 MHz
RBW 100 kHz
VBW 300 kHz
SWT 203.4 ms
[T1] AV VIEW
Marker 1 [T1]
-66.57 dBm
494.370000 MHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 30 MHz
67.3 MHz/
Stop 703 MHz
RBW 1 MHz
VBW 3 MHz
SWT 1 ms
[T1] AV VIEW
Marker 1 [T1]
-50.35 dBm
907.686600 MHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 773 MHz
22.7 MHz/
Stop 1 GHz
RBW 1 MHz
VBW 3 MHz
SWT 1 ms
[T1] AV VIEW
Marker 1 [T1]
-49.72 dBm
1.156333 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1 GHz
20 MHz/
Stop 1.2 GHz
RBW 1 MHz
VBW 3 MHz
SWT 19.04 ms
[T1] AV VIEW
Marker 1 [T1]
-49.51 dBm
6.691500 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1.2 GHz
630 MHz/
Stop 7.5 GHz
RBW 1 MHz
VBW 3 MHz
SWT 15.88 ms
[T1] AV VIEW
Marker 1 [T1]
-51.43 dBm
7.631250 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 7.5 GHz
525 MHz/
Stop 12.75 GHz

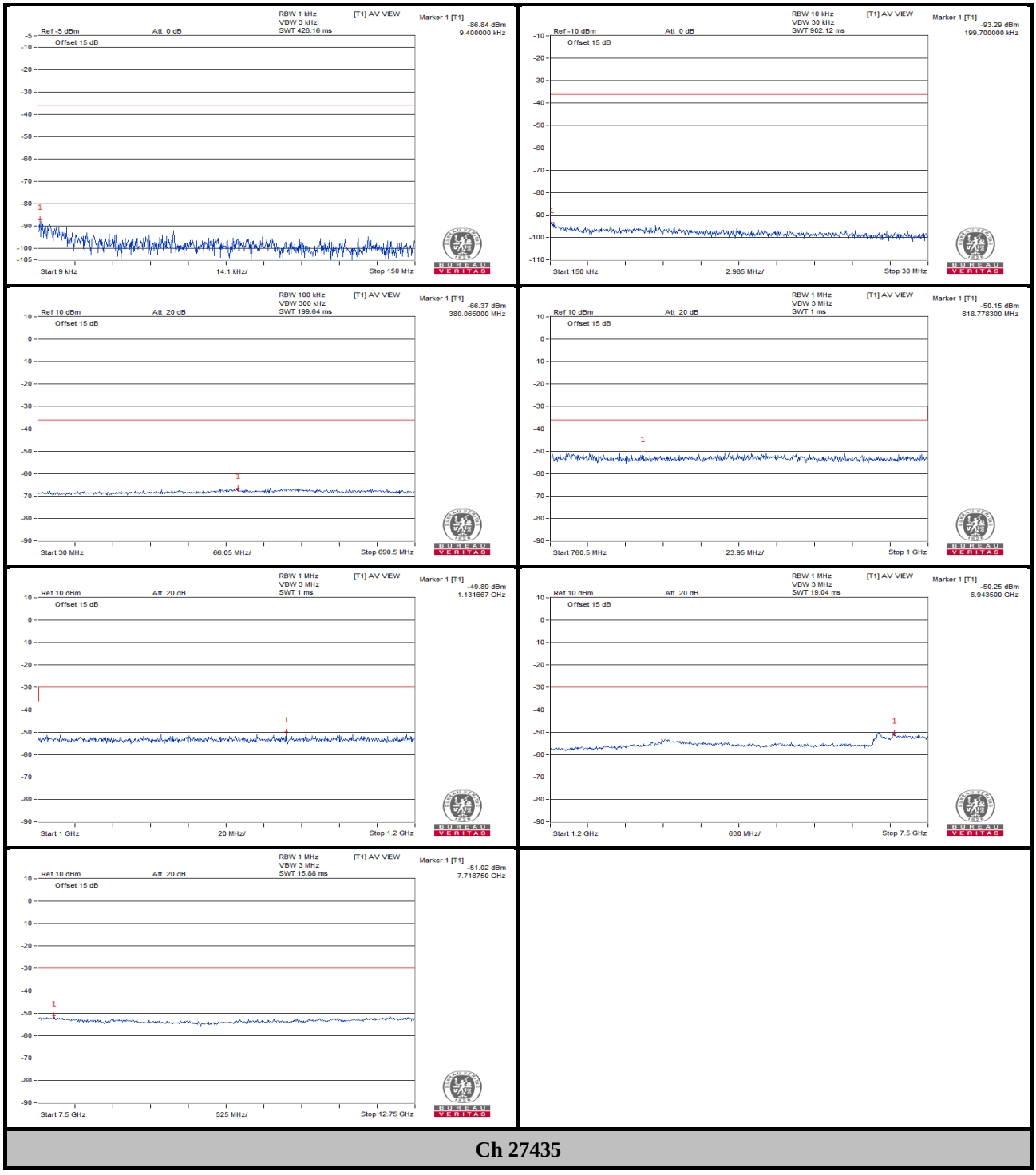
Ch 27560

Bandwidth: 20 MHz / QPSK (1 RB / 99 RB Offset)

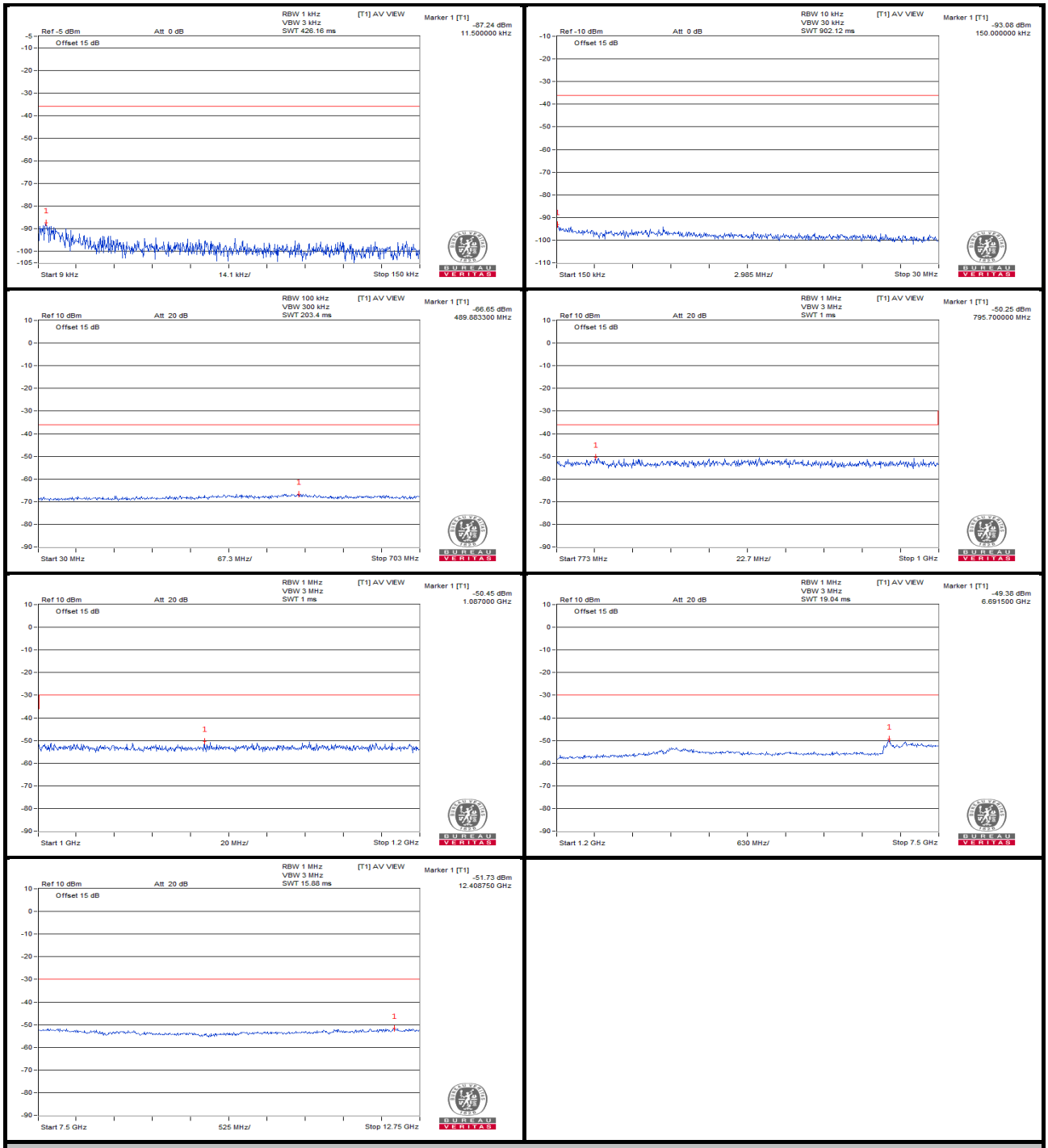
Modulation	Channel	Frequency Range (MHz)	Measurement Value	Limit	Pass / Fail
QPSK	27310	0.009MHz to 0.15MHz	-86.95	-36	PASS
		0.15MHz to 30MHz	-92.24	-36	PASS
		30MHz to 678MHz	-66.36	-36	PASS
		748MHz to 1000MHz	-49.79	-36	PASS
		1000MHz to 1200MHz	-50.16	-30	PASS
		1200MHz to 7500MHz	-50.54	-30	PASS
		7500MHz to 12750MHz	-51.53	-30	PASS
	27435	0.009MHz to 0.15MHz	-86.84	-36	PASS
		0.15MHz to 30MHz	-93.29	-36	PASS
		30MHz to 690.5MHz	-66.37	-36	PASS
		760.5MHz to 1000MHz	-50.15	-36	PASS
		1000MHz to 1200MHz	-49.89	-30	PASS
		1200MHz to 7500MHz	-50.25	-30	PASS
		7500MHz to 12750MHz	-51.02	-30	PASS
	27560	0.009MHz to 0.15MHz	-87.24	-36	PASS
		0.15MHz to 30MHz	-93.08	-36	PASS
		30MHz to 703MHz	-66.65	-36	PASS
		773MHz to 1000MHz	-50.25	-36	PASS
		1000MHz to 1200MHz	-50.45	-30	PASS
		1200MHz to 7500MHz	-49.38	-30	PASS
		7500MHz to 12750MHz	-51.73	-30	PASS


RBW 1 kHz
VBW 3 kHz
SWT 426.16 ms
[T1] AV VIEW
Marker 1 [T1]
-86.95 dBm
12.900000 kHz
Ref -5 dBm
Att 0 dB
Offset 15 dB
Start 9 kHz
14.1 kHz/
Stop 150 kHz
RBW 10 kHz
VBW 30 kHz
SWT 902.12 ms
[T1] AV VIEW
Marker 1 [T1]
-92.24 dBm
150.000000 kHz
Ref -10 dBm
Att 0 dB
Offset 15 dB
Start 150 kHz
2.985 MHz/
Stop 30 MHz
RBW 100 kHz
VBW 300 kHz
SWT 195.84 ms
[T1] AV VIEW
Marker 1 [T1]
-66.36 dBm
468.480000 MHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 30 MHz
64.8 MHz/
Stop 678 MHz
RBW 1 MHz
VBW 3 MHz
SWT 1 ms
[T1] AV VIEW
Marker 1 [T1]
-49.79 dBm
923.560000 MHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 748 MHz
25.2 MHz/
Stop 1 GHz
RBW 1 MHz
VBW 3 MHz
SWT 1 ms
[T1] AV VIEW
Marker 1 [T1]
-50.16 dBm
1.129333 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1 GHz
20 MHz/
Stop 1.2 GHz
RBW 1 MHz
VBW 3 MHz
SWT 19.04 ms
[T1] AV VIEW
Marker 1 [T1]
-50.54 dBm
6.681000 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1.2 GHz
630 MHz/
Stop 7.5 GHz
RBW 1 MHz
VBW 3 MHz
SWT 15.88 ms
[T1] AV VIEW
Marker 1 [T1]
-51.53 dBm
7.650000 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 7.5 GHz
525 MHz/
Stop 12.75 GHz

Ch 27310


RBW 1 kHz
VBW 3 kHz
SWT 426.16 ms
[T1] AV VIEW
Marker 1 [T1]
-86.84 dBm
9.400000 kHz
Ref -5 dBm
Att 0 dB
Offset 15 dB
Start 9 kHz
14.1 kHz/
Stop 150 kHz
RBW 10 kHz
VBW 30 kHz
SWT 902.12 ms
[T1] AV VIEW
Marker 1 [T1]
-93.29 dBm
199.700000 kHz
Ref -10 dBm
Att 0 dB
Offset 15 dB
Start 150 kHz
2.985 MHz/
Stop 30 MHz
RBW 100 kHz
VBW 300 kHz
SWT 199.64 ms
[T1] AV VIEW
Marker 1 [T1]
-66.37 dBm
380.065000 MHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 30 MHz
66.05 MHz/
Stop 690.5 MHz
RBW 1 MHz
VBW 3 MHz
SWT 1 ms
[T1] AV VIEW
Marker 1 [T1]
-50.15 dBm
818.778300 MHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 760.5 MHz
23.95 MHz/
Stop 1 GHz
RBW 1 MHz
VBW 3 MHz
SWT 1 ms
[T1] AV VIEW
Marker 1 [T1]
-49.89 dBm
1.131667 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1 GHz
20 MHz/
Stop 1.2 GHz
RBW 1 MHz
VBW 3 MHz
SWT 19.04 ms
[T1] AV VIEW
Marker 1 [T1]
-50.25 dBm
6.943500 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1.2 GHz
630 MHz/
Stop 7.5 GHz
RBW 1 MHz
VBW 3 MHz
SWT 15.88 ms
[T1] AV VIEW
Marker 1 [T1]
-51.02 dBm
7.716750 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 7.5 GHz
525 MHz/
Stop 12.75 GHz

Ch 27435

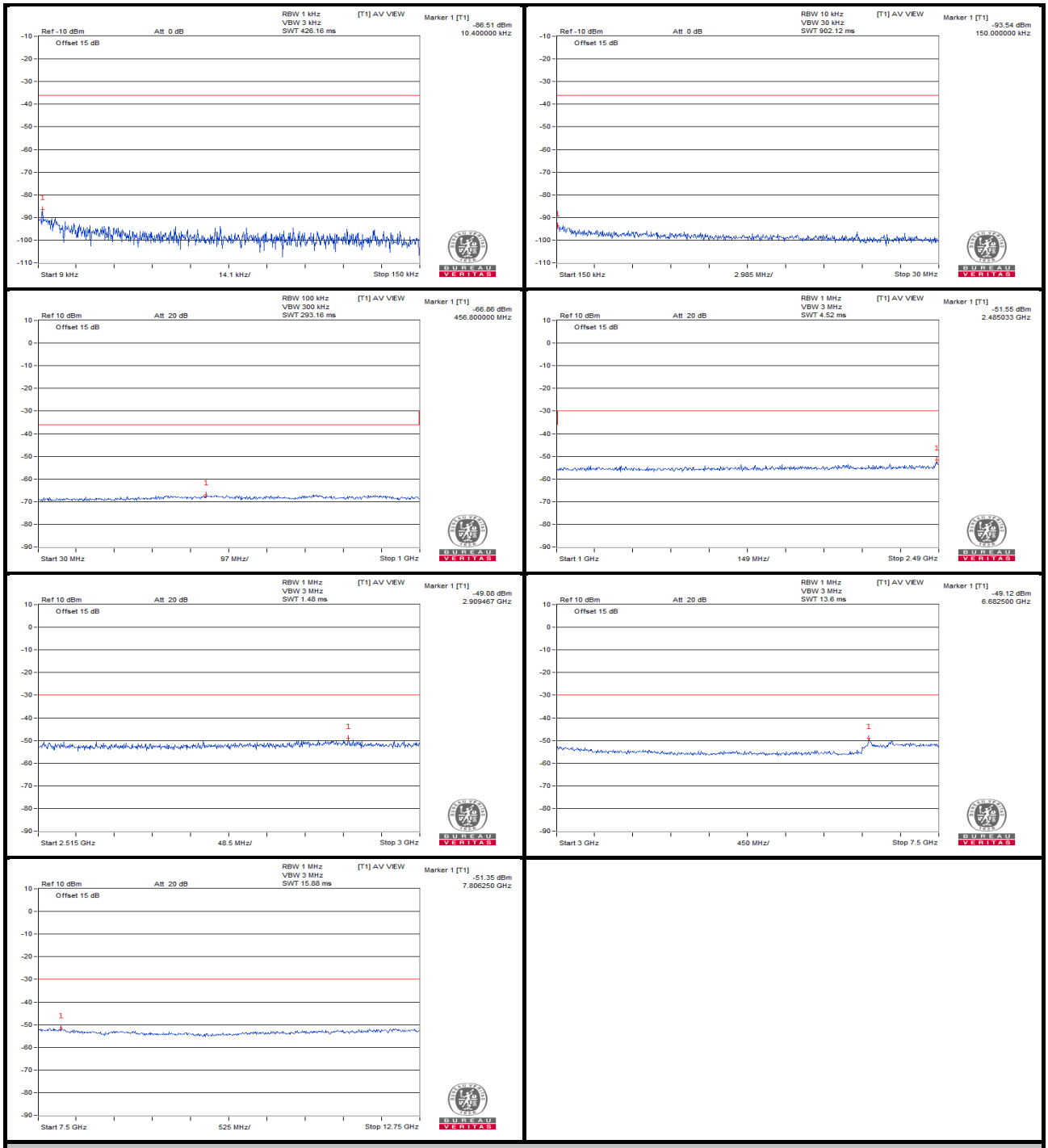

RBW 1 kHz
VBW 3 kHz
SWT 426.16 ms
[T1] AV VIEW
Marker 1 [T1]
-87.24 dBm
11.500000 kHz
Ref -5 dBm
Att 0 dB
Offset 15 dB
Start 9 kHz
14.1 kHz/
Stop 150 kHz
RBW 10 kHz
VBW 30 kHz
SWT 902.12 ms
[T1] AV VIEW
Marker 1 [T1]
-93.08 dBm
150.000000 kHz
Ref -10 dBm
Att 0 dB
Offset 15 dB
Start 150 kHz
2.985 MHz/
Stop 30 MHz
RBW 100 kHz
VBW 300 kHz
SWT 203.4 ms
[T1] AV VIEW
Marker 1 [T1]
-66.65 dBm
489.883300 MHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 30 MHz
67.3 MHz/
Stop 703 MHz
RBW 1 MHz
VBW 3 MHz
SWT 1 ms
[T1] AV VIEW
Marker 1 [T1]
-50.25 dBm
795.700000 MHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 773 MHz
22.7 MHz/
Stop 1 GHz
RBW 1 MHz
VBW 3 MHz
SWT 1 ms
[T1] AV VIEW
Marker 1 [T1]
-50.45 dBm
1.087000 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1 GHz
20 MHz/
Stop 1.2 GHz
RBW 1 MHz
VBW 3 MHz
SWT 19.04 ms
[T1] AV VIEW
Marker 1 [T1]
-49.38 dBm
6.691500 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1.2 GHz
630 MHz/
Stop 7.5 GHz
RBW 1 MHz
VBW 3 MHz
SWT 15.88 ms
[T1] AV VIEW
Marker 1 [T1]
-51.73 dBm
12.408750 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 7.5 GHz
525 MHz/
Stop 12.75 GHz

Ch 27560

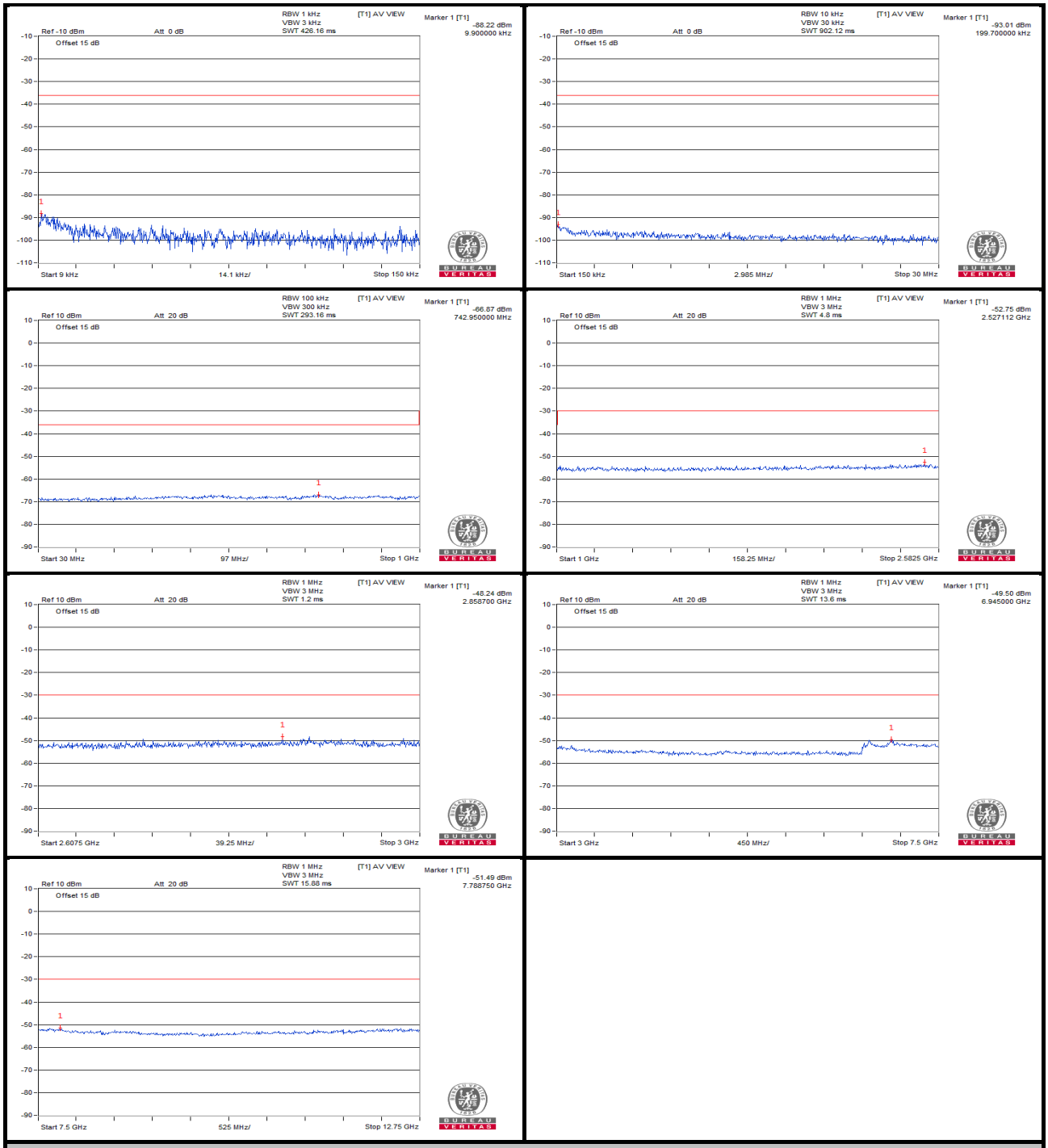
LTE Band 41

Bandwidth: 5 MHz / QPSK (1 RB / 0 RB Offset)

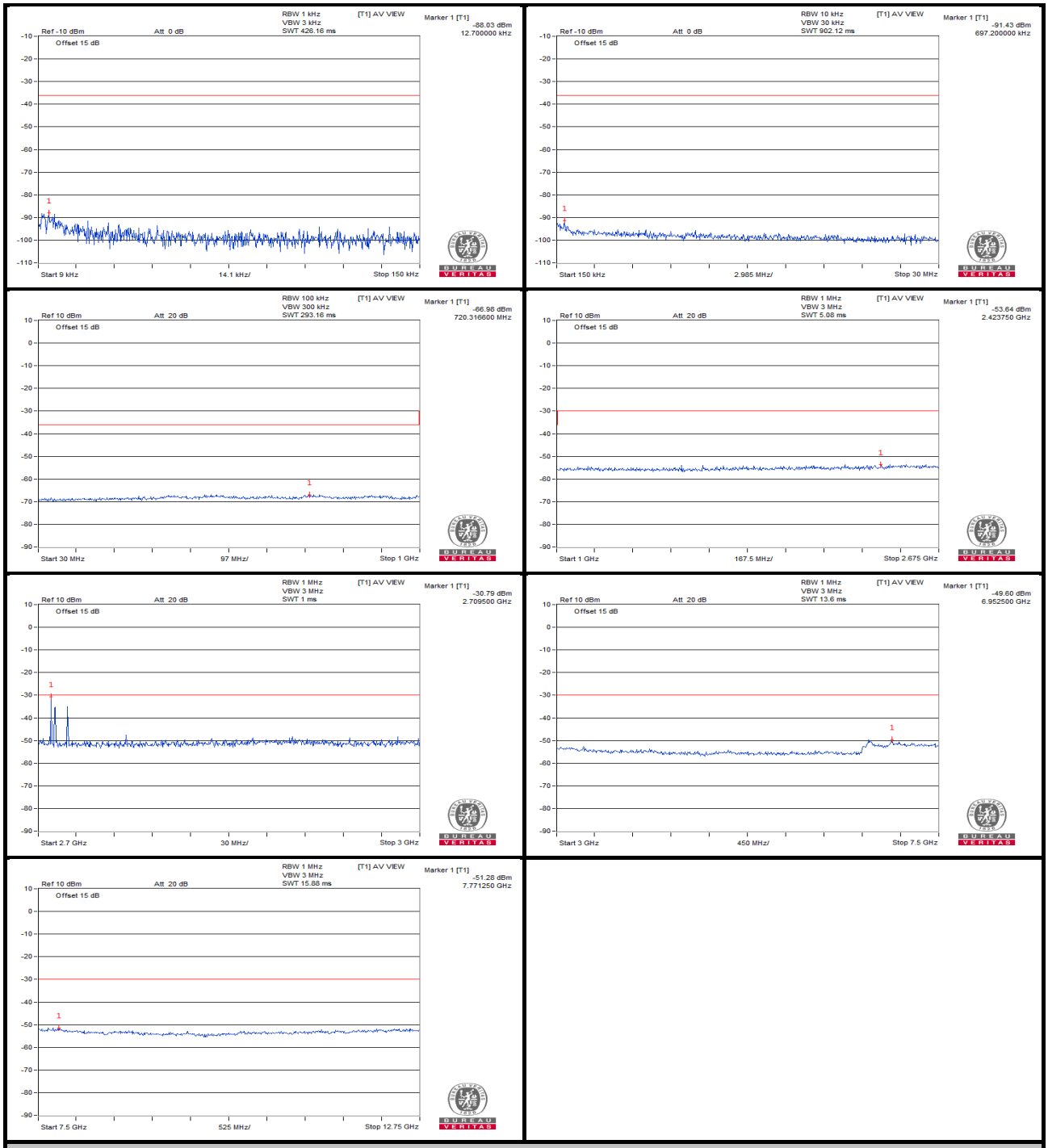
Modulation	Channel	Frequency Range (MHz)	Measurement Value	Limit	Pass / Fail
QPSK	39715	0.009MHz to 0.15MHz	-86.51	-36	PASS
		0.15MHz to 30MHz	-93.54	-36	PASS
		30MHz to 1000MHz	-66.86	-36	PASS
		1000MHz to 2490MHz	-51.55	-30	PASS
		2515MHz to 3000MHz	-49.08	-30	PASS
		3000MHz to 7500MHz	-49.12	-30	PASS
		7500MHz to 12750MHz	-51.35	-30	PASS
	40640	0.009MHz to 0.15MHz	-88.22	-36	PASS
		0.15MHz to 30MHz	-93.01	-36	PASS
		30MHz to 1000MHz	-66.87	-36	PASS
		1000MHz to 2582.5MHz	-52.75	-30	PASS
		2607.5MHz to 3000MHz	-48.24	-30	PASS
		3000MHz to 7500MHz	-49.50	-30	PASS
		7500MHz to 12750MHz	-51.49	-30	PASS
	41565	0.009MHz to 0.15MHz	-88.03	-36	PASS
		0.15MHz to 30MHz	-91.43	-36	PASS
		30MHz to 1000MHz	-66.98	-36	PASS
		1000MHz to 2675MHz	-53.64	-30	PASS
		2700MHz to 3000MHz	-30.79	-30	PASS
		3000MHz to 7500MHz	-49.60	-30	PASS
		7500MHz to 12750MHz	-51.28	-30	PASS


RBW 1 kHz
VBW 3 kHz
SWT 426.16 ms
[T1] AV VIEW
Marker 1 [T1]
-86.51 dBm
10.400000 kHz
Ref -10 dBm
Att 0 dB
Offset 15 dB
Start 9 kHz
14.1 kHz/
Stop 150 kHz
RBW 10 kHz
VBW 30 kHz
SWT 902.12 ms
[T1] AV VIEW
Marker 1 [T1]
-93.54 dBm
150.000000 kHz
Ref -10 dBm
Att 0 dB
Offset 15 dB
Start 150 kHz
2.985 MHz/
Stop 30 MHz
RBW 100 kHz
VBW 300 kHz
SWT 293.16 ms
[T1] AV VIEW
Marker 1 [T1]
-66.86 dBm
456.800000 MHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 30 MHz
97 MHz/
Stop 1 GHz
RBW 1 MHz
VBW 3 MHz
SWT 4.52 ms
[T1] AV VIEW
Marker 1 [T1]
-51.55 dBm
2.485033 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1 GHz
149 MHz/
Stop 2.49 GHz
RBW 1 MHz
VBW 3 MHz
SWT 1.48 ms
[T1] AV VIEW
Marker 1 [T1]
-49.08 dBm
2.909467 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 2.515 GHz
48.5 MHz/
Stop 3 GHz
RBW 1 MHz
VBW 3 MHz
SWT 13.6 ms
[T1] AV VIEW
Marker 1 [T1]
-49.12 dBm
6.682500 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 3 GHz
450 MHz/
Stop 7.5 GHz
RBW 1 MHz
VBW 3 MHz
SWT 15.88 ms
[T1] AV VIEW
Marker 1 [T1]
-51.35 dBm
7.806250 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 7.5 GHz
525 MHz/
Stop 12.75 GHz

Ch 39715


RBW 1 kHz
VBW 3 kHz
SWT 426.16 ms
[T1] AV VIEW
Marker 1 [T1]
-88.22 dBm
9.900000 kHz
Ref -10 dBm
Att 0 dB
Offset 15 dB
Start 9 kHz
14.1 kHz/
Stop 150 kHz
RBW 10 kHz
VBW 30 kHz
SWT 902.12 ms
[T1] AV VIEW
Marker 1 [T1]
-93.01 dBm
199.700000 kHz
Ref -10 dBm
Att 0 dB
Offset 15 dB
Start 150 kHz
2.985 MHz/
Stop 30 MHz
RBW 100 kHz
VBW 300 kHz
SWT 293.16 ms
[T1] AV VIEW
Marker 1 [T1]
-66.87 dBm
742.950000 MHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 30 MHz
97 MHz/
Stop 1 GHz
RBW 1 MHz
VBW 3 MHz
SWT 4.8 ms
[T1] AV VIEW
Marker 1 [T1]
-52.75 dBm
2.527112 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1 GHz
158.25 MHz/
Stop 2.5825 GHz
RBW 1 MHz
VBW 3 MHz
SWT 1.2 ms
[T1] AV VIEW
Marker 1 [T1]
-48.24 dBm
2.858700 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 2.6075 GHz
39.25 MHz/
Stop 3 GHz
RBW 1 MHz
VBW 3 MHz
SWT 13.6 ms
[T1] AV VIEW
Marker 1 [T1]
-49.50 dBm
6.945000 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 3 GHz
450 MHz/
Stop 7.5 GHz
RBW 1 MHz
VBW 3 MHz
SWT 15.88 ms
[T1] AV VIEW
Marker 1 [T1]
-51.49 dBm
7.788750 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 7.5 GHz
525 MHz/
Stop 12.75 GHz

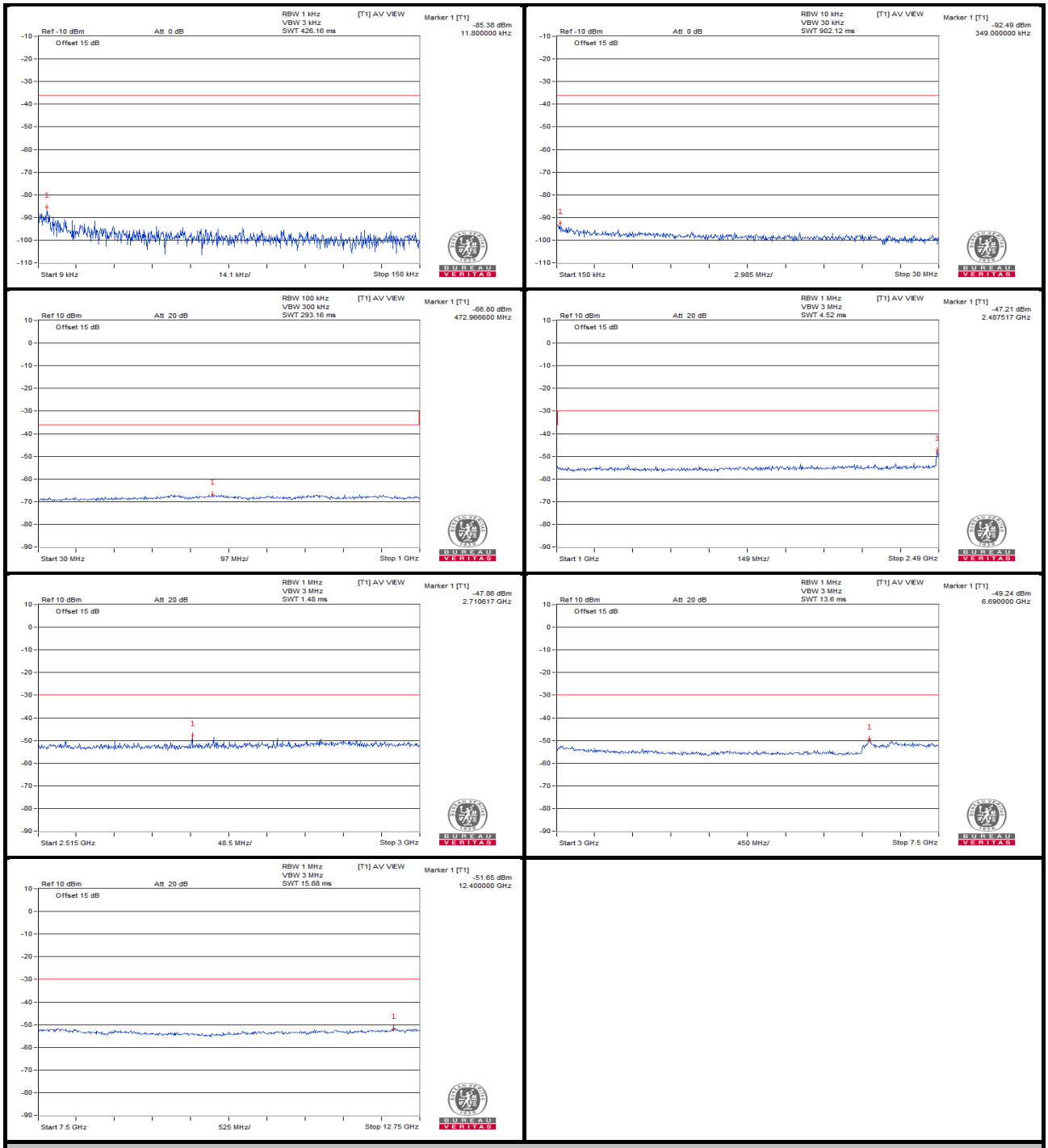
Ch 40640


RBW 1 kHz
VBW 3 kHz
SWT 426.16 ms
[T1] AV VIEW
Marker 1 [T1]
-88.03 dBm
12.700000 kHz
Ref -10 dBm
Att 0 dB
Offset 15 dB
Start 9 kHz
14.1 kHz/
Stop 150 kHz
RBW 10 kHz
VBW 30 kHz
SWT 902.12 ms
[T1] AV VIEW
Marker 1 [T1]
-91.43 dBm
697.200000 kHz
Ref -10 dBm
Att 0 dB
Offset 15 dB
Start 150 kHz
2.985 MHz/
Stop 30 MHz
RBW 100 kHz
VBW 300 kHz
SWT 293.16 ms
[T1] AV VIEW
Marker 1 [T1]
-66.98 dBm
720.316600 MHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 30 MHz
97 MHz/
Stop 1 GHz
RBW 1 MHz
VBW 3 MHz
SWT 5.08 ms
[T1] AV VIEW
Marker 1 [T1]
-53.64 dBm
2.423750 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1 GHz
167.5 MHz/
Stop 2.675 GHz
RBW 1 MHz
VBW 3 MHz
SWT 1 ms
[T1] AV VIEW
Marker 1 [T1]
-30.79 dBm
2.709500 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 2.7 GHz
30 MHz/
Stop 3 GHz
RBW 1 MHz
VBW 3 MHz
SWT 13.6 ms
[T1] AV VIEW
Marker 1 [T1]
-49.60 dBm
6.952500 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 3 GHz
450 MHz/
Stop 7.5 GHz
RBW 1 MHz
VBW 3 MHz
SWT 15.88 ms
[T1] AV VIEW
Marker 1 [T1]
-51.28 dBm
7.771250 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 7.5 GHz
525 MHz/
Stop 12.75 GHz

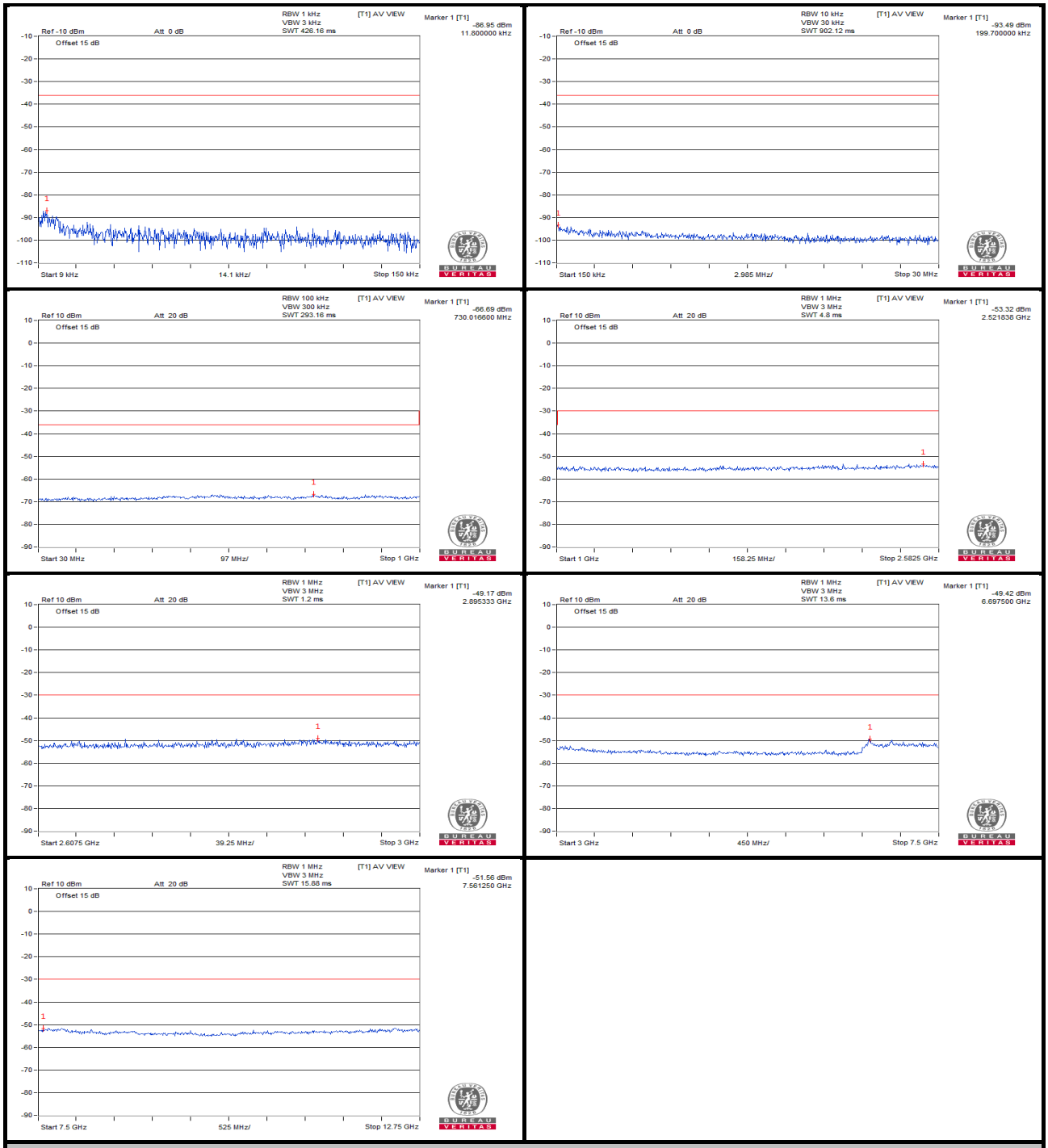
Ch 41565

Bandwidth: 5 MHz / QPSK (25 RB / 0 RB Offset)

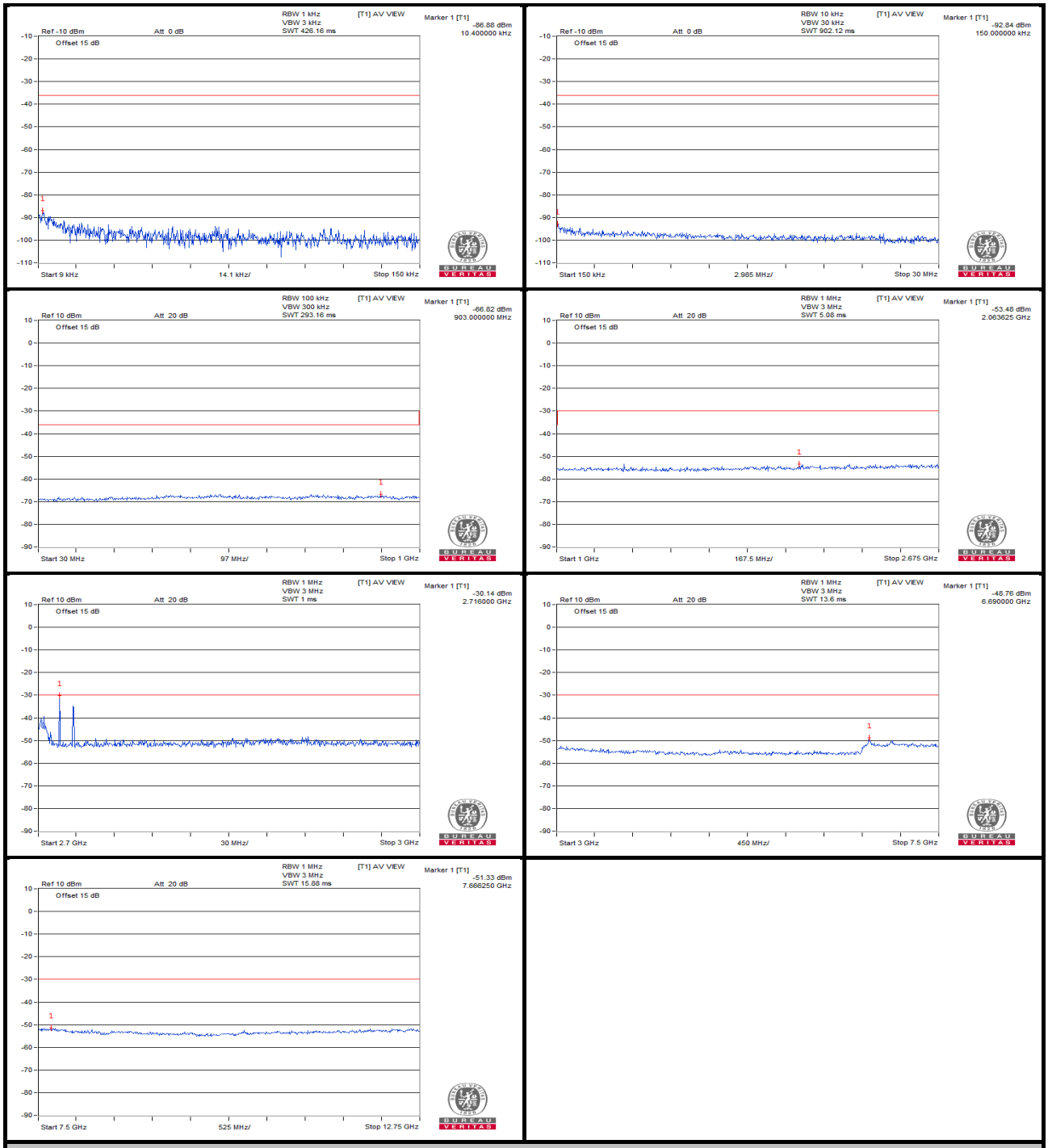
Modulation	Channel	Frequency Range (MHz)	Measurement Value	Limit	Pass / Fail
QPSK	39715	0.009MHz to 0.15MHz	-85.38	-36	PASS
		0.15MHz to 30MHz	-92.49	-36	PASS
		30MHz to 1000MHz	-66.80	-36	PASS
		1000MHz to 2490MHz	-47.21	-30	PASS
		2515MHz to 3000MHz	-47.86	-30	PASS
		3000MHz to 7500MHz	-49.24	-30	PASS
		7500MHz to 12750MHz	-51.65	-30	PASS
	40640	0.009MHz to 0.15MHz	-86.95	-36	PASS
		0.15MHz to 30MHz	-93.49	-36	PASS
		30MHz to 1000MHz	-66.69	-36	PASS
		1000MHz to 2582.5MHz	-53.32	-30	PASS
		2607.5MHz to 3000MHz	-49.17	-30	PASS
		3000MHz to 7500MHz	-49.42	-30	PASS
		7500MHz to 12750MHz	-51.56	-30	PASS
	41565	0.009MHz to 0.15MHz	-86.88	-36	PASS
		0.15MHz to 30MHz	-92.84	-36	PASS
		30MHz to 1000MHz	-66.82	-36	PASS
		1000MHz to 2675MHz	-53.48	-30	PASS
		2700MHz to 3000MHz	-30.14	-30	PASS
		3000MHz to 7500MHz	-48.76	-30	PASS
		7500MHz to 12750MHz	-51.33	-30	PASS


RBW 1 kHz
VBW 3 kHz
SWT 426.16 ms
[T1] AV VIEW
Marker 1 [T1]
-85.38 dBm
11.800000 kHz
Ref -10 dBm
Att 0 dB
Offset 15 dB
Start 9 kHz
14.1 kHz/
Stop 150 kHz
RBW 10 kHz
VBW 30 kHz
SWT 902.12 ms
[T1] AV VIEW
Marker 1 [T1]
-92.49 dBm
349.000000 kHz
Ref -10 dBm
Att 0 dB
Offset 15 dB
Start 150 kHz
2.985 MHz/
Stop 30 MHz
RBW 100 kHz
VBW 300 kHz
SWT 293.16 ms
[T1] AV VIEW
Marker 1 [T1]
-66.80 dBm
472.966600 MHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 30 MHz
97 MHz/
Stop 1 GHz
RBW 1 MHz
VBW 3 MHz
SWT 4.52 ms
[T1] AV VIEW
Marker 1 [T1]
-47.21 dBm
2.487517 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1 GHz
149 MHz/
Stop 2.49 GHz
RBW 1 MHz
VBW 3 MHz
SWT 1.48 ms
[T1] AV VIEW
Marker 1 [T1]
-47.86 dBm
2.710617 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 2.515 GHz
48.5 MHz/
Stop 3 GHz
RBW 1 MHz
VBW 3 MHz
SWT 13.6 ms
[T1] AV VIEW
Marker 1 [T1]
-49.24 dBm
6.690000 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 3 GHz
450 MHz/
Stop 7.5 GHz
RBW 1 MHz
VBW 3 MHz
SWT 15.88 ms
[T1] AV VIEW
Marker 1 [T1]
-51.65 dBm
12.400000 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 7.5 GHz
525 MHz/
Stop 12.75 GHz

Ch 39715


RBW 1 kHz
VBW 3 kHz
SWT 426.16 ms
[T1] AV VIEW
Marker 1 [T1]
-86.95 dBm
11.800000 kHz
Ref -10 dBm
Att 0 dB
Offset 15 dB
Start 9 kHz
14.1 kHz/
Stop 150 kHz
RBW 10 kHz
VBW 30 kHz
SWT 902.12 ms
[T1] AV VIEW
Marker 1 [T1]
-93.49 dBm
199.700000 kHz
Ref -10 dBm
Att 0 dB
Offset 15 dB
Start 150 kHz
2.985 MHz/
Stop 30 MHz
RBW 100 kHz
VBW 300 kHz
SWT 293.16 ms
[T1] AV VIEW
Marker 1 [T1]
-66.69 dBm
730.016600 MHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 30 MHz
97 MHz/
Stop 1 GHz
RBW 1 MHz
VBW 3 MHz
SWT 4.8 ms
[T1] AV VIEW
Marker 1 [T1]
-53.32 dBm
2.521838 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1 GHz
158.25 MHz/
Stop 2.5825 GHz
RBW 1 MHz
VBW 3 MHz
SWT 1.2 ms
[T1] AV VIEW
Marker 1 [T1]
-49.17 dBm
2.895333 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 2.6075 GHz
39.25 MHz/
Stop 3 GHz
RBW 1 MHz
VBW 3 MHz
SWT 13.6 ms
[T1] AV VIEW
Marker 1 [T1]
-49.42 dBm
6.697500 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 3 GHz
450 MHz/
Stop 7.5 GHz
RBW 1 MHz
VBW 3 MHz
SWT 15.88 ms
[T1] AV VIEW
Marker 1 [T1]
-51.56 dBm
7.561250 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 7.5 GHz
525 MHz/
Stop 12.75 GHz

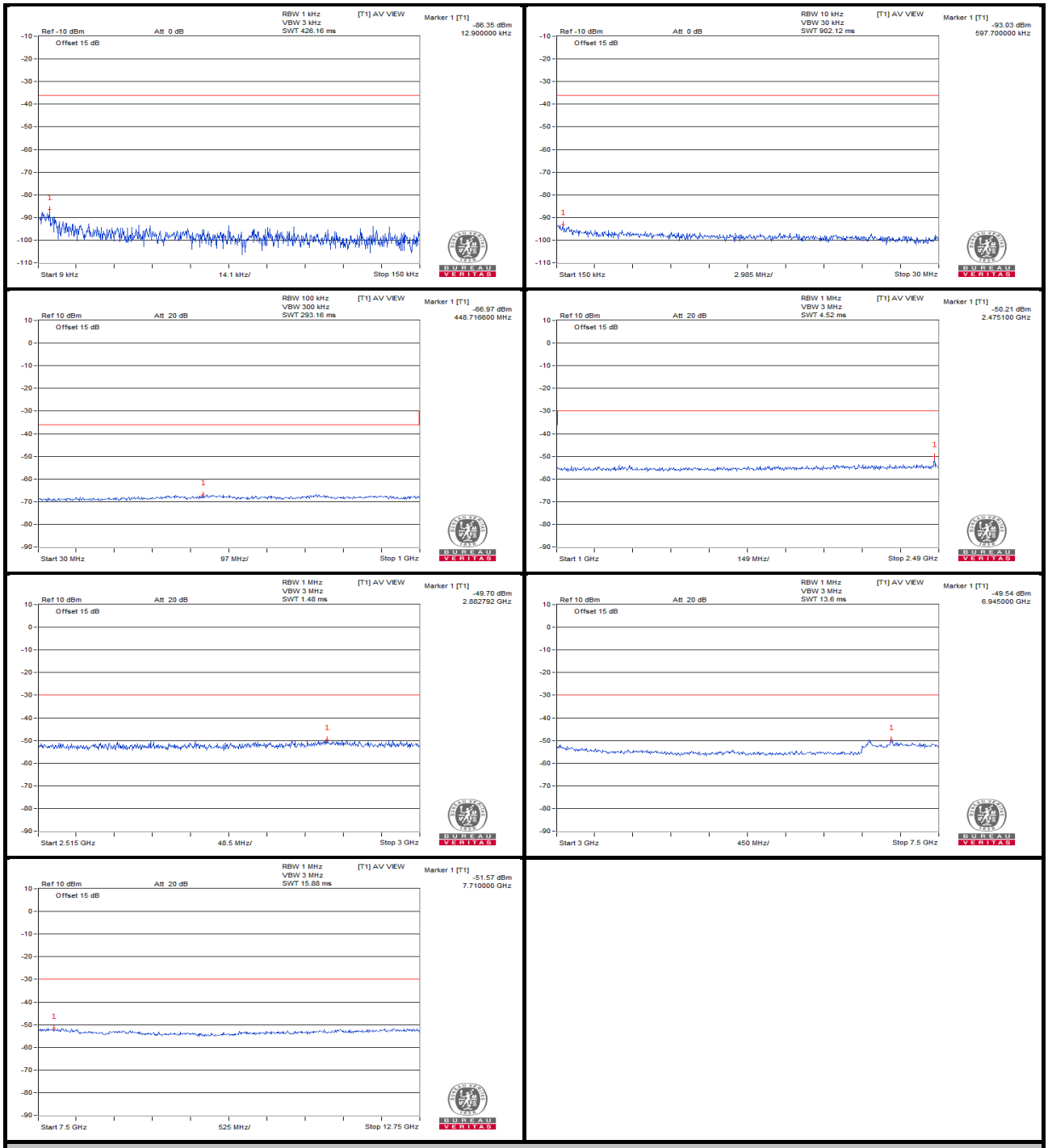
Ch 40640


RBW 1 kHz
VBW 3 kHz
SWT 426.16 ms
[T1] AV VIEW
Marker 1 [T1]
-86.88 dBm
10.400000 kHz
Ref -10 dBm
Att 0 dB
Offset 15 dB
Start 9 kHz
14.1 kHz/
Stop 150 kHz
RBW 10 kHz
VBW 30 kHz
SWT 902.12 ms
[T1] AV VIEW
Marker 1 [T1]
-92.84 dBm
150.000000 kHz
Ref -10 dBm
Att 0 dB
Offset 15 dB
Start 150 kHz
2.985 MHz/
Stop 30 MHz
RBW 100 kHz
VBW 300 kHz
SWT 293.16 ms
[T1] AV VIEW
Marker 1 [T1]
-66.82 dBm
903.000000 MHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 30 MHz
97 MHz/
Stop 1 GHz
RBW 1 MHz
VBW 3 MHz
SWT 5.08 ms
[T1] AV VIEW
Marker 1 [T1]
-53.48 dBm
2.063625 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1 GHz
167.5 MHz/
Stop 2.675 GHz
RBW 1 MHz
VBW 3 MHz
SWT 1 ms
[T1] AV VIEW
Marker 1 [T1]
-30.14 dBm
2.716000 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 2.7 GHz
30 MHz/
Stop 3 GHz
RBW 1 MHz
VBW 3 MHz
SWT 13.6 ms
[T1] AV VIEW
Marker 1 [T1]
-48.76 dBm
6.690000 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 3 GHz
450 MHz/
Stop 7.5 GHz
RBW 1 MHz
VBW 3 MHz
SWT 15.88 ms
[T1] AV VIEW
Marker 1 [T1]
-51.33 dBm
7.666250 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 7.5 GHz
525 MHz/
Stop 12.75 GHz

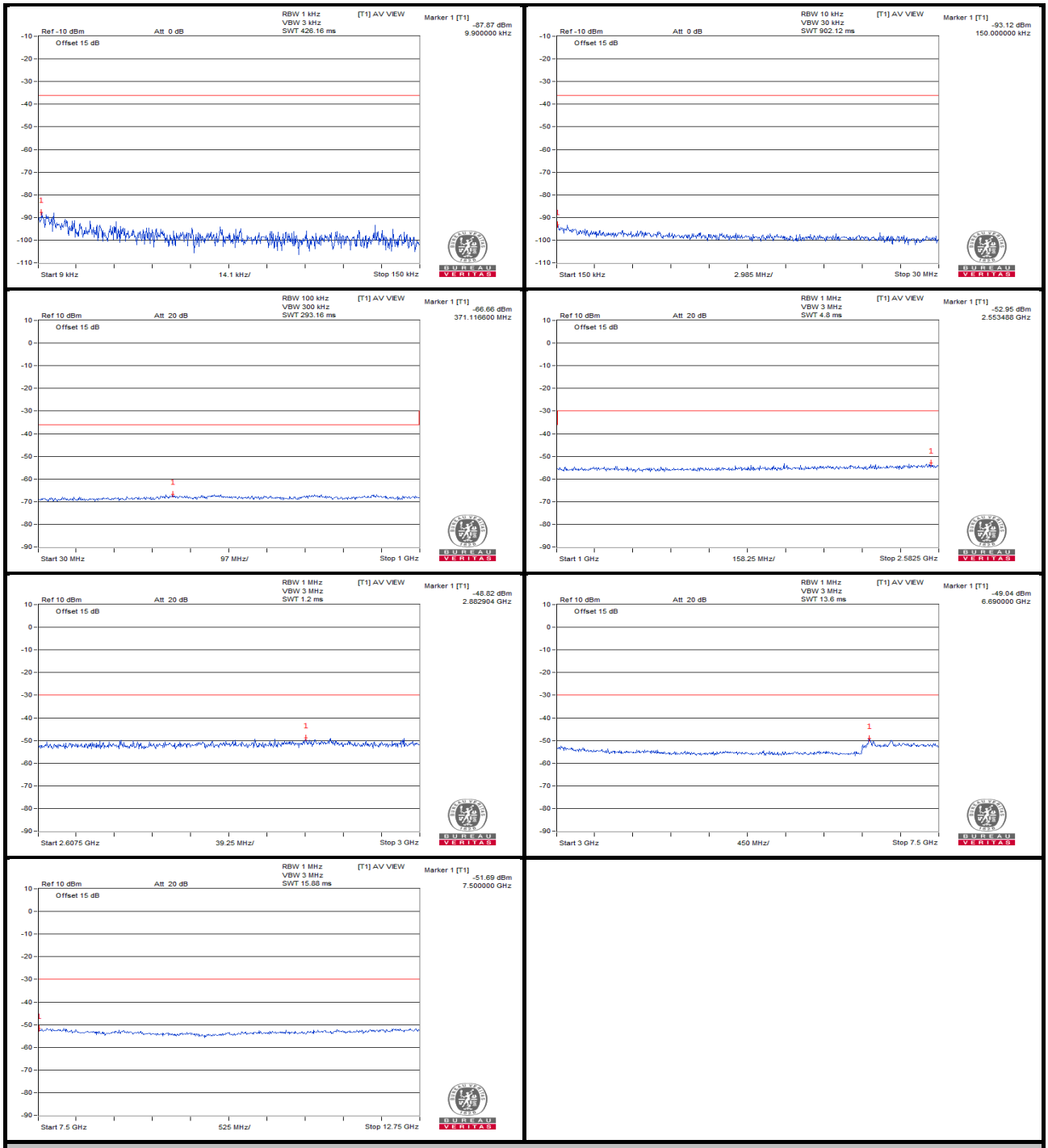
Ch 41565

Bandwidth: 5 MHz / QPSK (1 RB / 24 RB Offset)

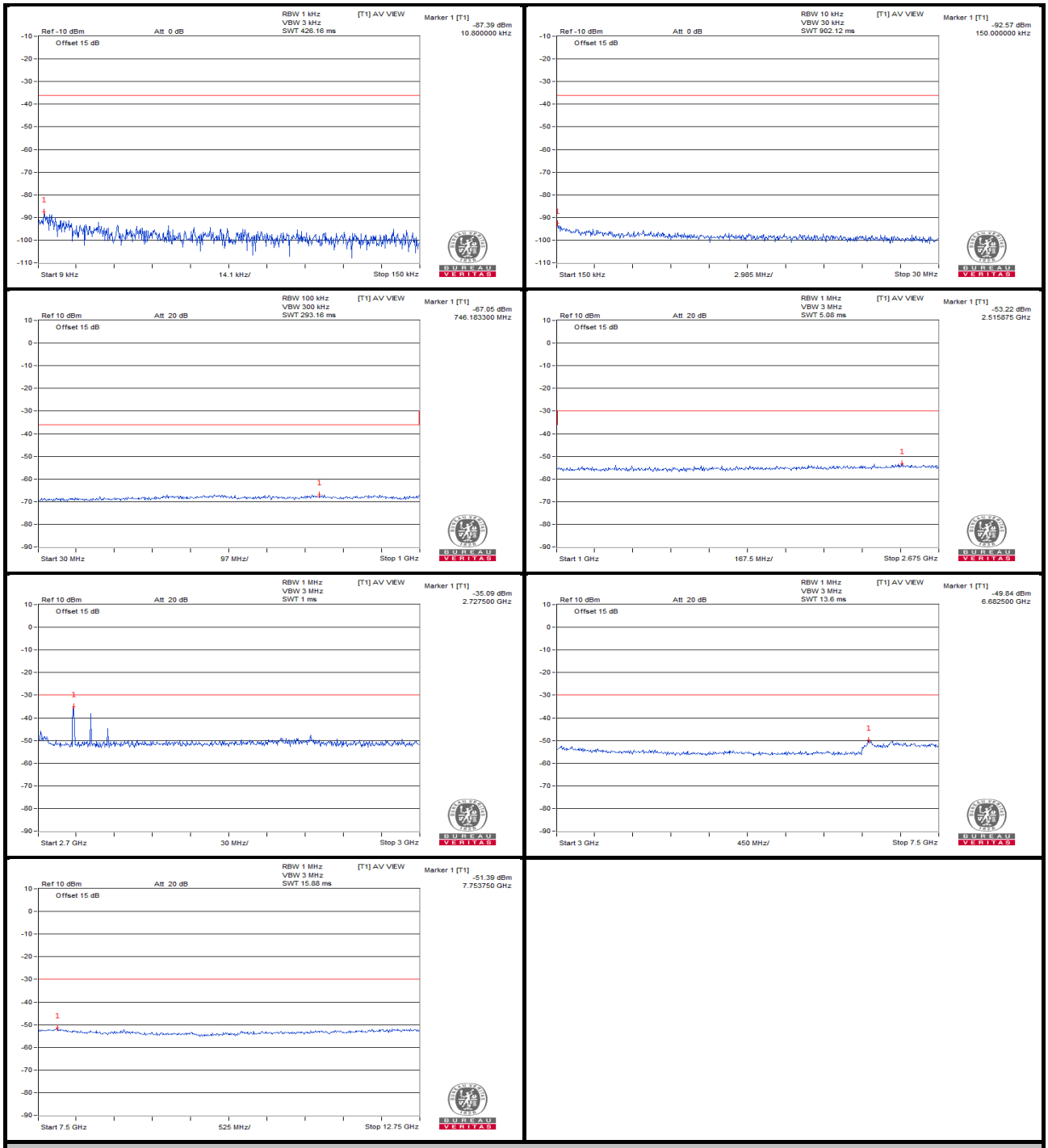
Modulation	Channel	Frequency Range (MHz)	Measurement Value	Limit	Pass / Fail
QPSK	39715	0.009MHz to 0.15MHz	-86.35	-36	PASS
		0.15MHz to 30MHz	-93.03	-36	PASS
		30MHz to 1000MHz	-66.97	-36	PASS
		1000MHz to 2490MHz	-50.21	-30	PASS
		2515MHz to 3000MHz	-49.70	-30	PASS
		3000MHz to 7500MHz	-49.54	-30	PASS
		7500MHz to 12750MHz	-51.57	-30	PASS
	40640	0.009MHz to 0.15MHz	-87.87	-36	PASS
		0.15MHz to 30MHz	-93.12	-36	PASS
		30MHz to 1000MHz	-66.66	-36	PASS
		1000MHz to 2582.5MHz	-52.95	-30	PASS
		2607.5MHz to 3000MHz	-48.82	-30	PASS
		3000MHz to 7500MHz	-49.04	-30	PASS
		7500MHz to 12750MHz	-51.69	-30	PASS
	41565	0.009MHz to 0.15MHz	-87.39	-36	PASS
		0.15MHz to 30MHz	-92.57	-36	PASS
		30MHz to 1000MHz	-67.05	-36	PASS
		1000MHz to 2675MHz	-53.22	-30	PASS
		2700MHz to 3000MHz	-35.09	-30	PASS
		3000MHz to 7500MHz	-49.84	-30	PASS
		7500MHz to 12750MHz	-51.39	-30	PASS


RBW 1 kHz
VBW 3 kHz
SWT 426.16 ms
[T1] AV VIEW
Marker 1 [T1]
-86.35 dBm
12.900000 kHz
Ref -10 dBm
Att 0 dB
Offset 15 dB
Start 9 kHz
14.1 kHz/
Stop 150 kHz
RBW 10 kHz
VBW 30 kHz
SWT 902.12 ms
[T1] AV VIEW
Marker 1 [T1]
-93.03 dBm
597.700000 kHz
Ref -10 dBm
Att 0 dB
Offset 15 dB
Start 150 kHz
2.985 MHz/
Stop 30 MHz
RBW 100 kHz
VBW 300 kHz
SWT 293.16 ms
[T1] AV VIEW
Marker 1 [T1]
-66.97 dBm
448.716600 MHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 30 MHz
97 MHz/
Stop 1 GHz
RBW 1 MHz
VBW 3 MHz
SWT 4.52 ms
[T1] AV VIEW
Marker 1 [T1]
-50.21 dBm
2.475100 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1 GHz
149 MHz/
Stop 2.49 GHz
RBW 1 MHz
VBW 3 MHz
SWT 1.48 ms
[T1] AV VIEW
Marker 1 [T1]
-49.70 dBm
2.882792 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 2.515 GHz
48.5 MHz/
Stop 3 GHz
RBW 1 MHz
VBW 3 MHz
SWT 13.6 ms
[T1] AV VIEW
Marker 1 [T1]
-49.54 dBm
6.945000 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 3 GHz
450 MHz/
Stop 7.5 GHz
RBW 1 MHz
VBW 3 MHz
SWT 15.88 ms
[T1] AV VIEW
Marker 1 [T1]
-51.57 dBm
7.710000 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 7.5 GHz
525 MHz/
Stop 12.75 GHz

Ch 39715


RBW 1 kHz
VBW 3 kHz
SWT 426.16 ms
[T1] AV VIEW
Marker 1 [T1]
-87.87 dBm
9.900000 kHz
Ref -10 dBm
Att 0 dB
Offset 15 dB
Start 9 kHz
14.1 kHz/
Stop 150 kHz
RBW 10 kHz
VBW 30 kHz
SWT 902.12 ms
[T1] AV VIEW
Marker 1 [T1]
-93.12 dBm
150.000000 kHz
Ref -10 dBm
Att 0 dB
Offset 15 dB
Start 150 kHz
2.985 MHz/
Stop 30 MHz
RBW 100 kHz
VBW 300 kHz
SWT 293.16 ms
[T1] AV VIEW
Marker 1 [T1]
-66.66 dBm
371.116600 MHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 30 MHz
97 MHz/
Stop 1 GHz
RBW 1 MHz
VBW 3 MHz
SWT 4.8 ms
[T1] AV VIEW
Marker 1 [T1]
-52.95 dBm
2.553488 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1 GHz
158.25 MHz/
Stop 2.5825 GHz
RBW 1 MHz
VBW 3 MHz
SWT 1.2 ms
[T1] AV VIEW
Marker 1 [T1]
-48.82 dBm
2.882904 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 2.6075 GHz
39.25 MHz/
Stop 3 GHz
RBW 1 MHz
VBW 3 MHz
SWT 13.6 ms
[T1] AV VIEW
Marker 1 [T1]
-49.04 dBm
6.690000 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 3 GHz
450 MHz/
Stop 7.5 GHz
RBW 1 MHz
VBW 3 MHz
SWT 15.88 ms
[T1] AV VIEW
Marker 1 [T1]
-51.69 dBm
7.500000 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 7.5 GHz
525 MHz/
Stop 12.75 GHz

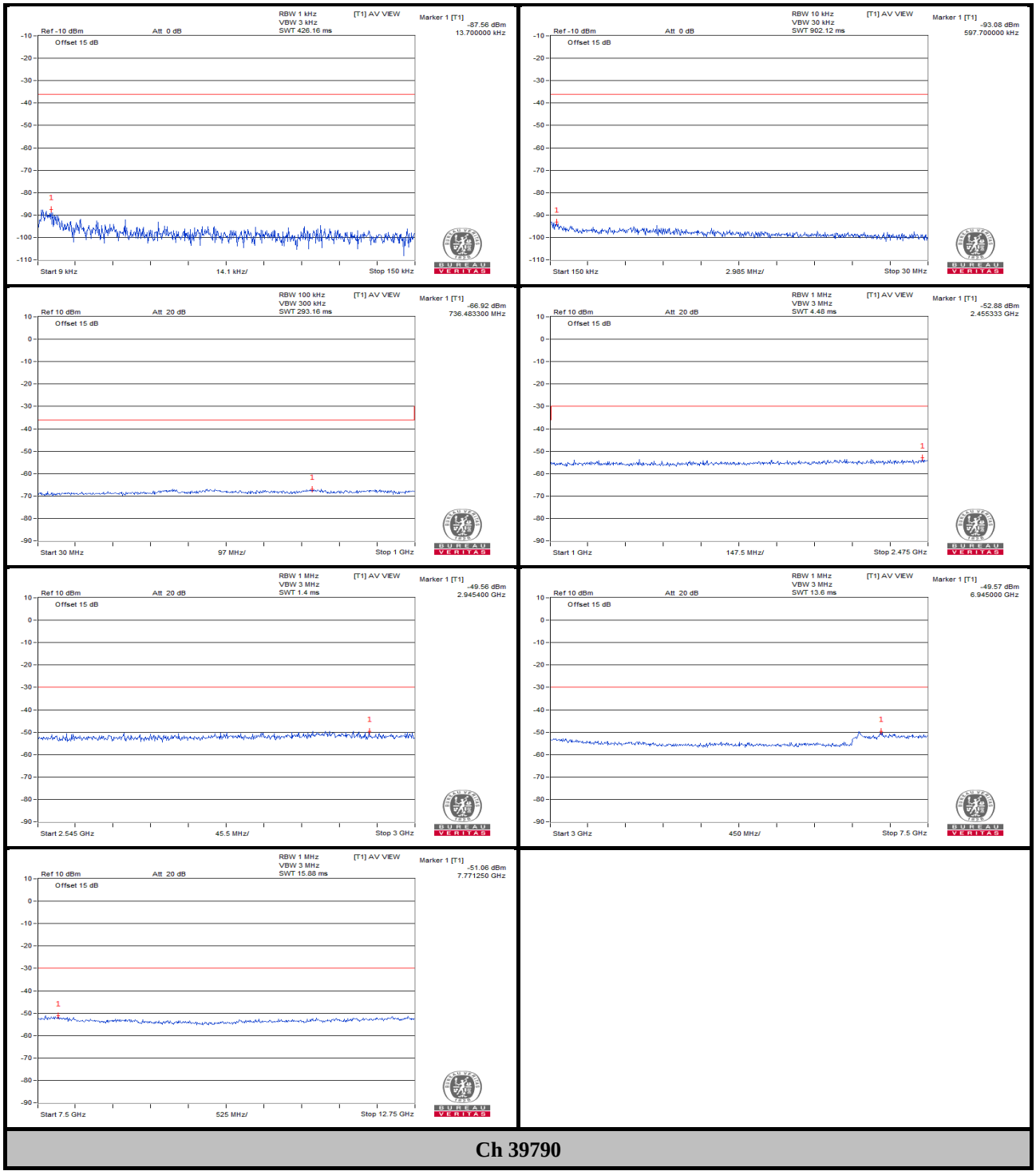
Ch 40640


RBW 1 kHz
VBW 3 kHz
SWT 426.16 ms
[T1] AV VIEW
Marker 1 [T1]
-87.39 dBm
10.800000 kHz
Ref -10 dBm
Att 0 dB
Offset 15 dB
Start 9 kHz
14.1 kHz/
Stop 150 kHz
RBW 10 kHz
VBW 30 kHz
SWT 902.12 ms
[T1] AV VIEW
Marker 1 [T1]
-92.57 dBm
150.000000 kHz
Ref -10 dBm
Att 0 dB
Offset 15 dB
Start 150 kHz
2.985 MHz/
Stop 30 MHz
RBW 100 kHz
VBW 300 kHz
SWT 293.16 ms
[T1] AV VIEW
Marker 1 [T1]
-67.05 dBm
746.183300 MHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 30 MHz
97 MHz/
Stop 1 GHz
RBW 1 MHz
VBW 3 MHz
SWT 5.08 ms
[T1] AV VIEW
Marker 1 [T1]
-53.22 dBm
2.515875 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1 GHz
167.5 MHz/
Stop 2.675 GHz
RBW 1 MHz
VBW 3 MHz
SWT 1 ms
[T1] AV VIEW
Marker 1 [T1]
-35.09 dBm
2.727500 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 2.7 GHz
30 MHz/
Stop 3 GHz
RBW 1 MHz
VBW 3 MHz
SWT 13.6 ms
[T1] AV VIEW
Marker 1 [T1]
-49.84 dBm
6.682500 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 3 GHz
450 MHz/
Stop 7.5 GHz
RBW 1 MHz
VBW 3 MHz
SWT 15.88 ms
[T1] AV VIEW
Marker 1 [T1]
-51.39 dBm
7.753750 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 7.5 GHz
525 MHz/
Stop 12.75 GHz

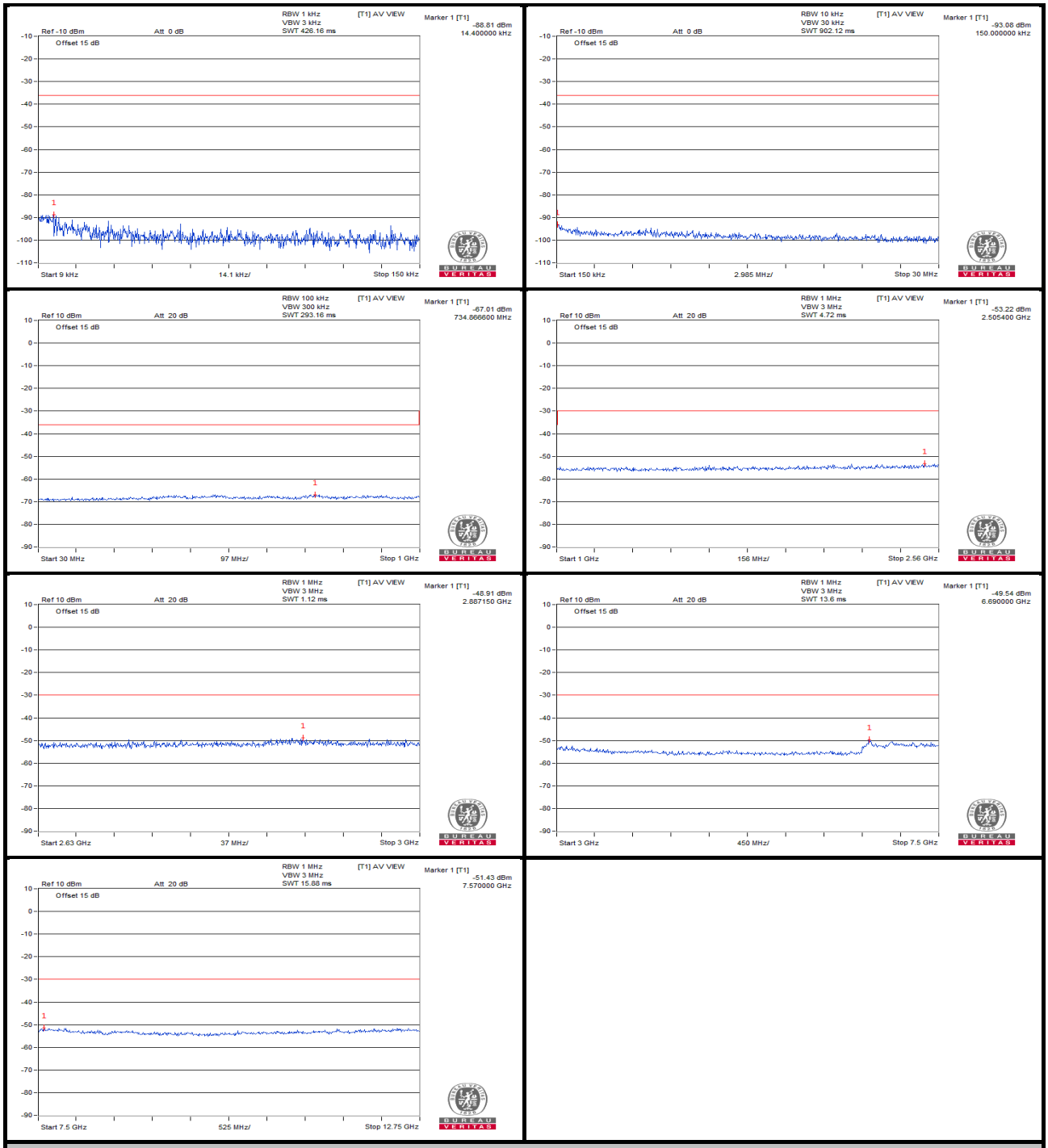
Ch 41565

Bandwidth: 20 MHz / QPSK (1 RB / 0 RB Offset)

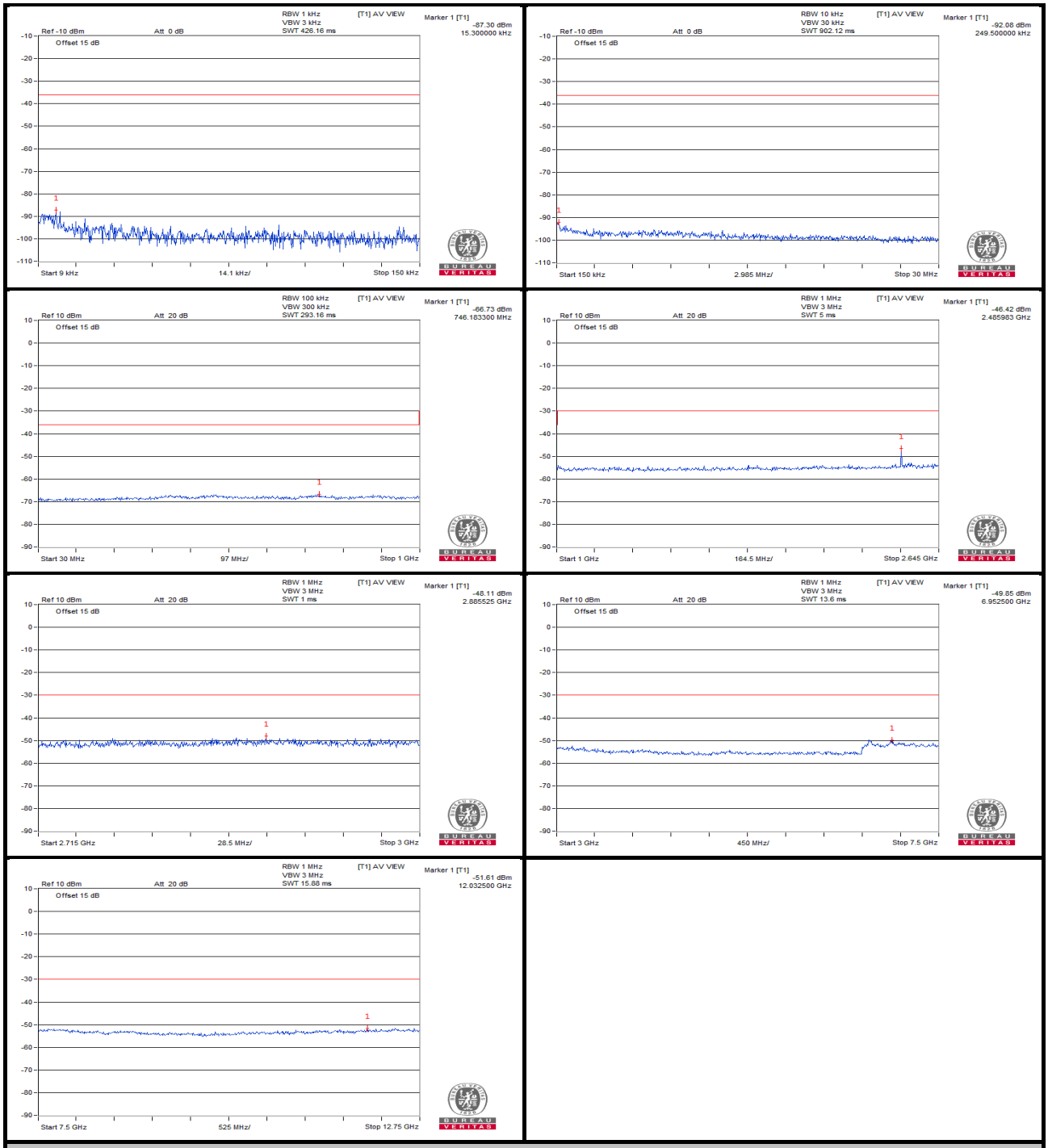
Modulation	Channel	Frequency Range (MHz)	Measurement Value	Limit	Pass / Fail
QPSK	39790	0.009MHz to 0.15MHz	-87.56	-36	PASS
		0.15MHz to 30MHz	-93.08	-36	PASS
		30MHz to 1000MHz	-66.92	-36	PASS
		1000MHz to 2475MHz	-52.88	-30	PASS
		2545MHz to 3000MHz	-49.56	-30	PASS
		3000MHz to 7500MHz	-49.57	-30	PASS
		7500MHz to 12750MHz	-51.06	-30	PASS
	40640	0.009MHz to 0.15MHz	-88.81	-36	PASS
		0.15MHz to 30MHz	-93.08	-36	PASS
		30MHz to 1000MHz	-67.01	-36	PASS
		1000MHz to 2560MHz	-53.22	-30	PASS
		2630MHz to 3000MHz	-48.91	-30	PASS
		3000MHz to 7500MHz	-49.54	-30	PASS
		7500MHz to 12750MHz	-51.43	-30	PASS
	41490	0.009MHz to 0.15MHz	-87.30	-36	PASS
		0.15MHz to 30MHz	-92.08	-36	PASS
		30MHz to 1000MHz	-66.73	-36	PASS
		1000MHz to 2645MHz	-46.42	-30	PASS
		2715MHz to 3000MHz	-48.11	-30	PASS
		3000MHz to 7500MHz	-49.85	-30	PASS
		7500MHz to 12750MHz	-51.61	-30	PASS


RBW 1 kHz
VBW 3 kHz
SWT 426.16 ms
[T1] AV VIEW
Marker 1 [T1]
-87.56 dBm
13.700000 kHz
Ref -10 dBm
Att 0 dB
Offset 15 dB
Start 9 kHz
14.1 kHz/
Stop 150 kHz
RBW 10 kHz
VBW 30 kHz
SWT 902.12 ms
[T1] AV VIEW
Marker 1 [T1]
-93.08 dBm
597.700000 kHz
Ref -10 dBm
Att 0 dB
Offset 15 dB
Start 150 kHz
2.985 MHz/
Stop 30 MHz
RBW 100 kHz
VBW 300 kHz
SWT 293.16 ms
[T1] AV VIEW
Marker 1 [T1]
-66.92 dBm
736.483300 MHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 30 MHz
97 MHz/
Stop 1 GHz
RBW 1 MHz
VBW 3 MHz
SWT 4.48 ms
[T1] AV VIEW
Marker 1 [T1]
-52.88 dBm
2.455333 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1 GHz
147.5 MHz/
Stop 2.475 GHz
RBW 1 MHz
VBW 3 MHz
SWT 1.4 ms
[T1] AV VIEW
Marker 1 [T1]
-49.56 dBm
2.945400 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 2.545 GHz
45.5 MHz/
Stop 3 GHz
RBW 1 MHz
VBW 3 MHz
SWT 13.6 ms
[T1] AV VIEW
Marker 1 [T1]
-49.57 dBm
6.945000 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 3 GHz
450 MHz/
Stop 7.5 GHz
RBW 1 MHz
VBW 3 MHz
SWT 15.88 ms
[T1] AV VIEW
Marker 1 [T1]
-51.06 dBm
7.771250 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 7.5 GHz
525 MHz/
Stop 12.75 GHz

Ch 39790


RBW 1 kHz
VBW 3 kHz
SWT 426.16 ms
[T1] AV VIEW
Marker 1 [T1]
-88.81 dBm
14.400000 kHz
Ref -10 dBm
Att 0 dB
Offset 15 dB
Start 9 kHz
14.1 kHz/
Stop 150 kHz
RBW 10 kHz
VBW 30 kHz
SWT 902.12 ms
[T1] AV VIEW
Marker 1 [T1]
-93.08 dBm
150.000000 kHz
Ref -10 dBm
Att 0 dB
Offset 15 dB
Start 150 kHz
2.985 MHz/
Stop 30 MHz
RBW 100 kHz
VBW 300 kHz
SWT 293.16 ms
[T1] AV VIEW
Marker 1 [T1]
-67.01 dBm
734.866600 MHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 30 MHz
97 MHz/
Stop 1 GHz
RBW 1 MHz
VBW 3 MHz
SWT 4.72 ms
[T1] AV VIEW
Marker 1 [T1]
-53.22 dBm
2.505400 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1 GHz
156 MHz/
Stop 2.56 GHz
RBW 1 MHz
VBW 3 MHz
SWT 1.12 ms
[T1] AV VIEW
Marker 1 [T1]
-48.91 dBm
2.887150 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 2.63 GHz
37 MHz/
Stop 3 GHz
RBW 1 MHz
VBW 3 MHz
SWT 13.6 ms
[T1] AV VIEW
Marker 1 [T1]
-49.54 dBm
6.690000 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 3 GHz
450 MHz/
Stop 7.5 GHz
RBW 1 MHz
VBW 3 MHz
SWT 15.88 ms
[T1] AV VIEW
Marker 1 [T1]
-51.43 dBm
7.570000 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 7.5 GHz
525 MHz/
Stop 12.75 GHz

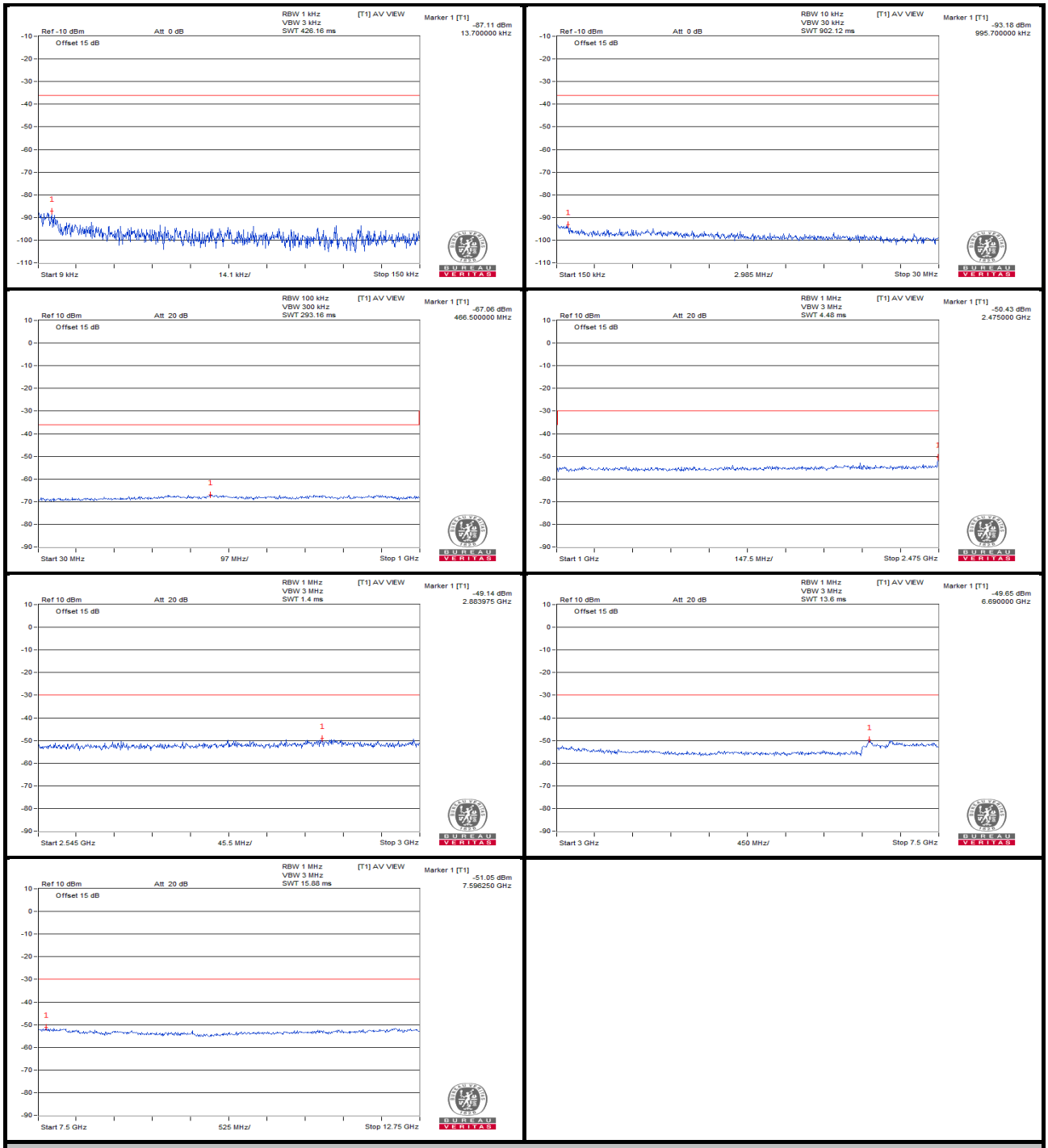
Ch 40640


RBW 1 kHz
VBW 3 kHz
SWT 426.16 ms
[T1] AV VIEW
Marker 1 [T1]
-87.30 dBm
15.300000 kHz
Ref -10 dBm
Att 0 dB
Offset 15 dB
Start 9 kHz
14.1 kHz/
Stop 150 kHz
RBW 10 kHz
VBW 30 kHz
SWT 902.12 ms
[T1] AV VIEW
Marker 1 [T1]
-92.08 dBm
249.500000 kHz
Ref -10 dBm
Att 0 dB
Offset 15 dB
Start 150 kHz
2.985 MHz/
Stop 30 MHz
RBW 100 kHz
VBW 300 kHz
SWT 293.16 ms
[T1] AV VIEW
Marker 1 [T1]
-66.73 dBm
746.183300 MHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 30 MHz
97 MHz/
Stop 1 GHz
RBW 1 MHz
VBW 3 MHz
SWT 5 ms
[T1] AV VIEW
Marker 1 [T1]
-46.42 dBm
2.485983 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1 GHz
164.5 MHz/
Stop 2.645 GHz
RBW 1 MHz
VBW 3 MHz
SWT 1 ms
[T1] AV VIEW
Marker 1 [T1]
-48.11 dBm
2.885525 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 2.715 GHz
28.5 MHz/
Stop 3 GHz
RBW 1 MHz
VBW 3 MHz
SWT 13.6 ms
[T1] AV VIEW
Marker 1 [T1]
-49.85 dBm
6.952500 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 3 GHz
450 MHz/
Stop 7.5 GHz
RBW 1 MHz
VBW 3 MHz
SWT 15.88 ms
[T1] AV VIEW
Marker 1 [T1]
-51.61 dBm
12.032500 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 7.5 GHz
525 MHz/
Stop 12.75 GHz

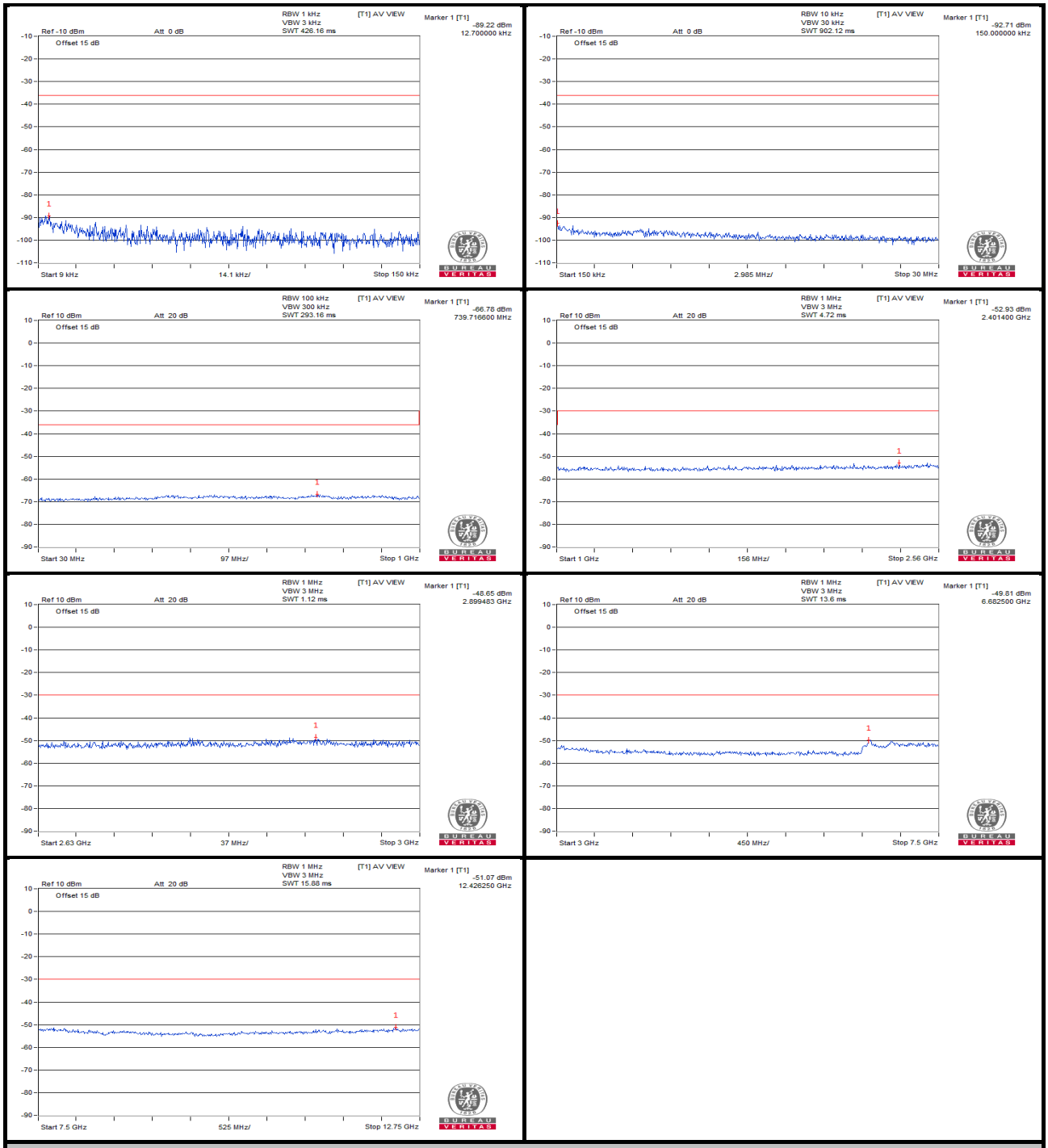
Ch 41490

Bandwidth: 20 MHz / QPSK (100 RB / 0 RB Offset)

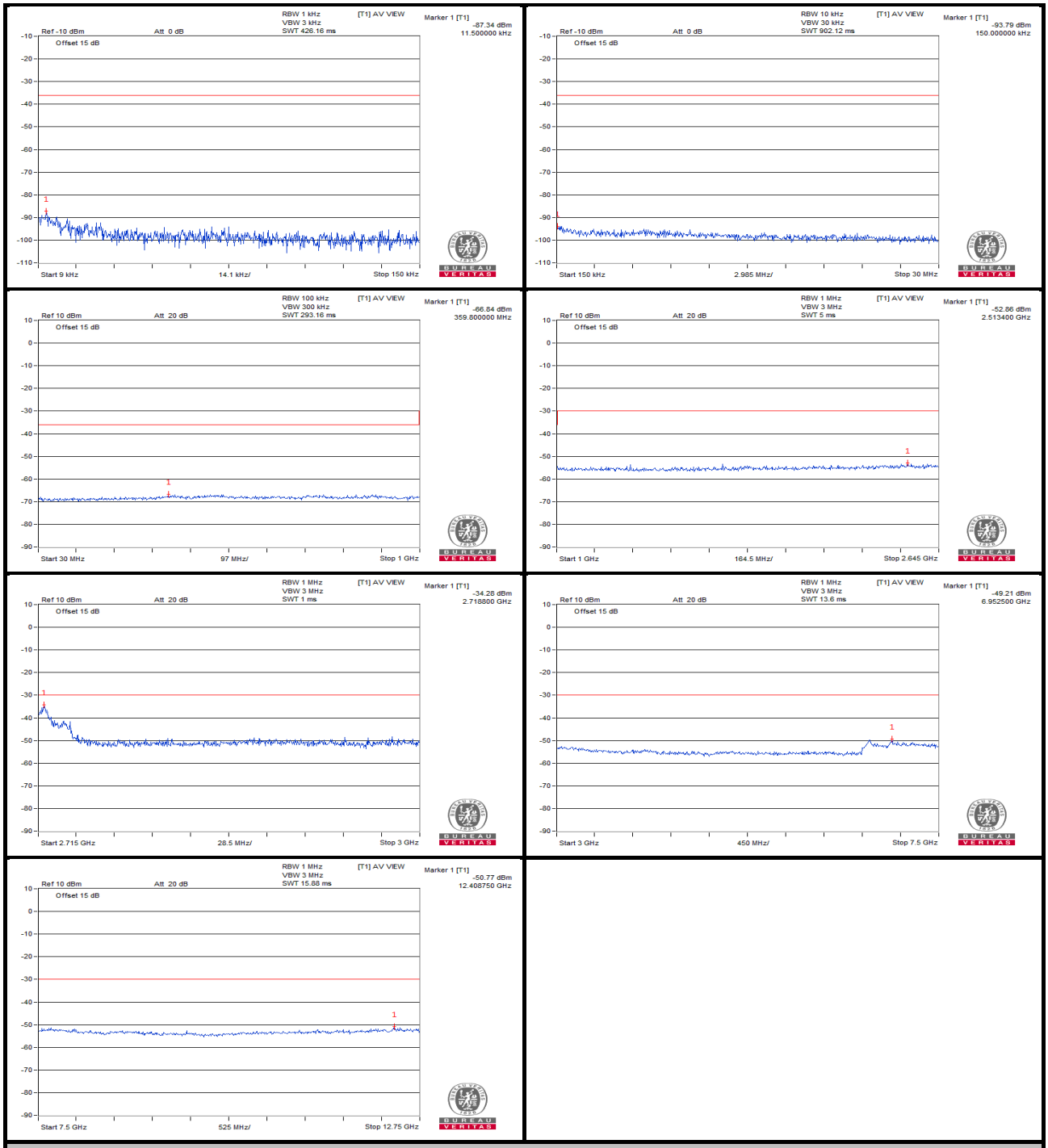
Modulation	Channel	Frequency Range (MHz)	Measurement Value	Limit	Pass / Fail
QPSK	39790	0.009MHz to 0.15MHz	-87.11	-36	PASS
		0.15MHz to 30MHz	-93.18	-36	PASS
		30MHz to 1000MHz	-67.06	-36	PASS
		1000MHz to 2475MHz	-50.43	-30	PASS
		2545MHz to 3000MHz	-49.14	-30	PASS
		3000MHz to 7500MHz	-49.65	-30	PASS
		7500MHz to 12750MHz	-51.05	-30	PASS
	40640	0.009MHz to 0.15MHz	-89.22	-36	PASS
		0.15MHz to 30MHz	-92.71	-36	PASS
		30MHz to 1000MHz	-66.78	-36	PASS
		1000MHz to 2560MHz	-52.93	-30	PASS
		2630MHz to 3000MHz	-48.65	-30	PASS
		3000MHz to 7500MHz	-49.81	-30	PASS
		7500MHz to 12750MHz	-51.07	-30	PASS
	41490	0.009MHz to 0.15MHz	-87.34	-36	PASS
		0.15MHz to 30MHz	-93.79	-36	PASS
		30MHz to 1000MHz	-66.84	-36	PASS
		1000MHz to 2645MHz	-52.86	-30	PASS
		2715MHz to 3000MHz	-34.28	-30	PASS
		3000MHz to 7500MHz	-49.21	-30	PASS
		7500MHz to 12750MHz	-50.77	-30	PASS


RBW 1 kHz
VBW 3 kHz
SWT 426.16 ms
[T1] AV VIEW
Marker 1 [T1]
-87.11 dBm
13.700000 kHz
Ref -10 dBm
Att 0 dB
Offset 15 dB
Start 9 kHz
14.1 kHz/
Stop 150 kHz
RBW 10 kHz
VBW 30 kHz
SWT 902.12 ms
-93.18 dBm
995.700000 kHz
Start 150 kHz
2.985 MHz/
Stop 30 MHz
RBW 100 kHz
VBW 300 kHz
SWT 293.16 ms
-67.06 dBm
466.500000 MHz
Ref 10 dBm
Att 20 dB
Start 30 MHz
97 MHz/
Stop 1 GHz
RBW 1 MHz
VBW 3 MHz
SWT 4.48 ms
-50.43 dBm
2.475000 GHz
Start 1 GHz
147.5 MHz/
Stop 2.475 GHz
SWT 1.4 ms
-49.14 dBm
2.883975 GHz
Start 2.545 GHz
45.5 MHz/
Stop 3 GHz
SWT 13.6 ms
-49.65 dBm
6.690000 GHz
Start 3 GHz
450 MHz/
Stop 7.5 GHz
SWT 15.88 ms
-51.05 dBm
7.596250 GHz
Start 7.5 GHz
525 MHz/
Stop 12.75 GHz

Ch 39790


RBW 1 kHz
VBW 3 kHz
SWT 426.16 ms
[T1] AV VIEW
Marker 1 [T1]
-89.22 dBm
12.700000 kHz
Ref -10 dBm
Att 0 dB
Offset 15 dB
Start 9 kHz
14.1 kHz/
Stop 150 kHz
RBW 10 kHz
VBW 30 kHz
SWT 902.12 ms
[T1] AV VIEW
Marker 1 [T1]
-92.71 dBm
150.000000 kHz
Ref -10 dBm
Att 0 dB
Offset 15 dB
Start 150 kHz
2.985 MHz/
Stop 30 MHz
RBW 100 kHz
VBW 300 kHz
SWT 293.16 ms
[T1] AV VIEW
Marker 1 [T1]
-66.78 dBm
739.716600 MHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 30 MHz
97 MHz/
Stop 1 GHz
RBW 1 MHz
VBW 3 MHz
SWT 4.72 ms
[T1] AV VIEW
Marker 1 [T1]
-52.93 dBm
2.401400 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1 GHz
156 MHz/
Stop 2.56 GHz
RBW 1 MHz
VBW 3 MHz
SWT 1.12 ms
[T1] AV VIEW
Marker 1 [T1]
-48.65 dBm
2.899483 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 2.63 GHz
37 MHz/
Stop 3 GHz
RBW 1 MHz
VBW 3 MHz
SWT 13.6 ms
[T1] AV VIEW
Marker 1 [T1]
-49.81 dBm
6.682500 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 3 GHz
450 MHz/
Stop 7.5 GHz
RBW 1 MHz
VBW 3 MHz
SWT 15.88 ms
[T1] AV VIEW
Marker 1 [T1]
-51.07 dBm
12.426250 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 7.5 GHz
525 MHz/
Stop 12.75 GHz

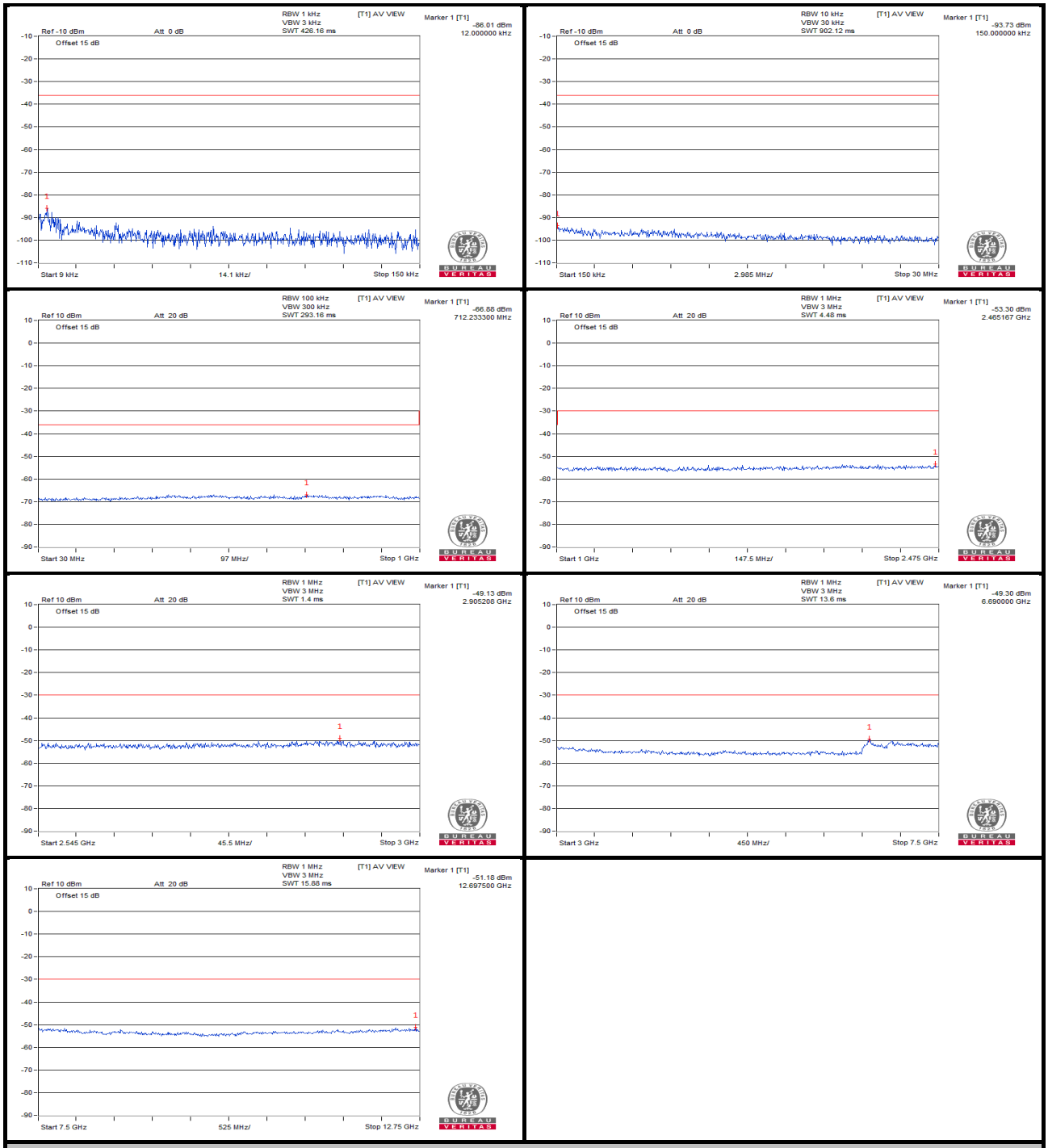
Ch 40640


RBW 1 kHz
VBW 3 kHz
SWT 426.16 ms
[T1] AV VIEW
Marker 1 [T1]
-87.34 dBm
11.500000 kHz
Ref -10 dBm
Att 0 dB
Offset 15 dB
Start 9 kHz
14.1 kHz/
Stop 150 kHz
RBW 10 kHz
VBW 30 kHz
SWT 902.12 ms
[T1] AV VIEW
Marker 1 [T1]
-93.79 dBm
150.000000 kHz
Ref -10 dBm
Att 0 dB
Offset 15 dB
Start 150 kHz
2.985 MHz/
Stop 30 MHz
RBW 100 kHz
VBW 300 kHz
SWT 293.16 ms
[T1] AV VIEW
Marker 1 [T1]
-66.84 dBm
359.800000 MHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 30 MHz
97 MHz/
Stop 1 GHz
RBW 1 MHz
VBW 3 MHz
SWT 5 ms
[T1] AV VIEW
Marker 1 [T1]
-52.86 dBm
2.513400 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1 GHz
164.5 MHz/
Stop 2.645 GHz
RBW 1 MHz
VBW 3 MHz
SWT 1 ms
[T1] AV VIEW
Marker 1 [T1]
-34.28 dBm
2.718800 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 2.715 GHz
28.5 MHz/
Stop 3 GHz
RBW 1 MHz
VBW 3 MHz
SWT 13.6 ms
[T1] AV VIEW
Marker 1 [T1]
-49.21 dBm
6.952500 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 3 GHz
450 MHz/
Stop 7.5 GHz
RBW 1 MHz
VBW 3 MHz
SWT 15.88 ms
[T1] AV VIEW
Marker 1 [T1]
-50.77 dBm
12.408750 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 7.5 GHz
525 MHz/
Stop 12.75 GHz

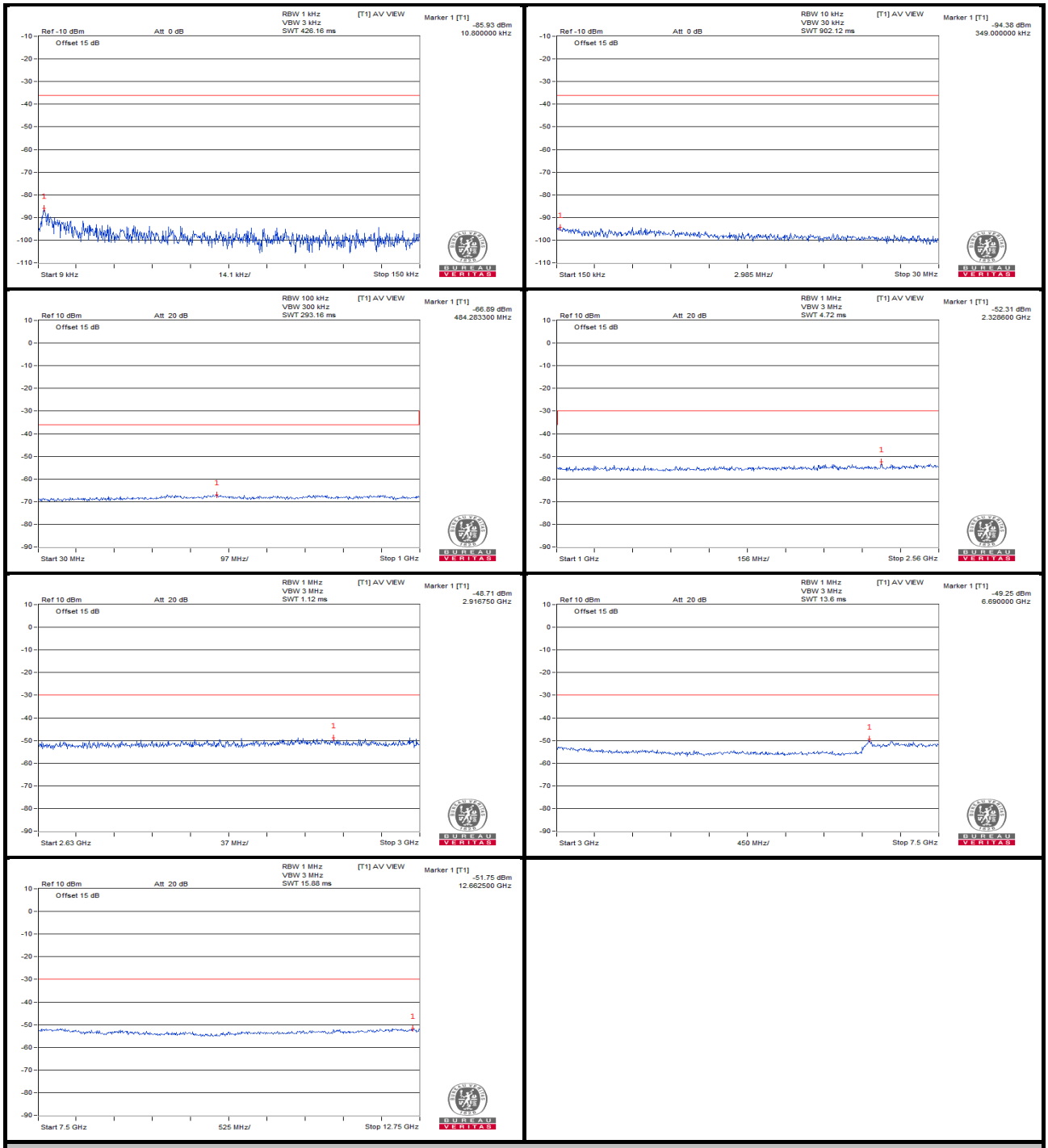
Ch 41490

Bandwidth: 20 MHz / QPSK (1 RB / 99 RB Offset)

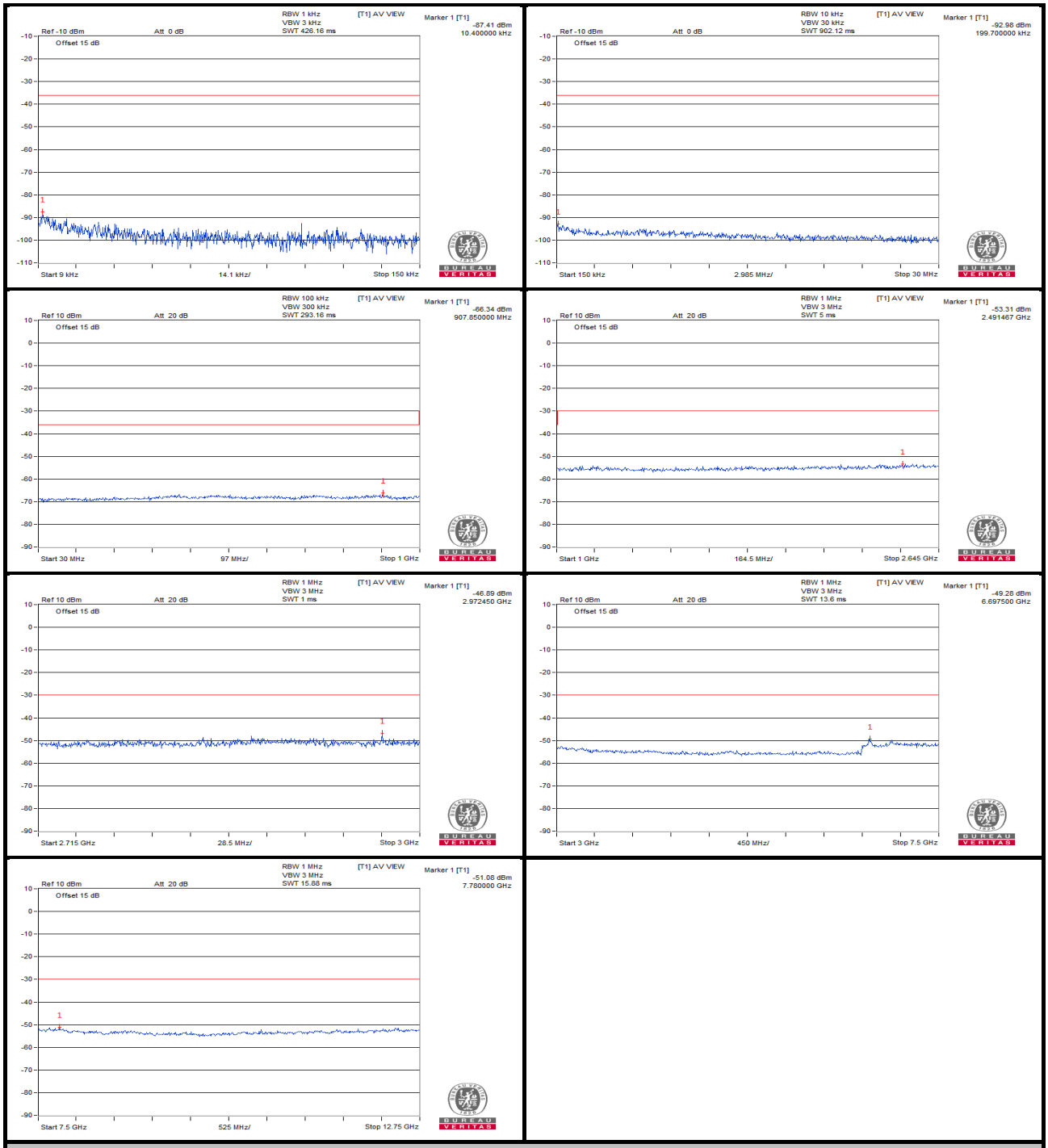
Modulation	Channel	Frequency Range (MHz)	Measurement Value	Limit	Pass / Fail
QPSK	39790	0.009MHz to 0.15MHz	-86.01	-36	PASS
		0.15MHz to 30MHz	-93.73	-36	PASS
		30MHz to 1000MHz	-66.88	-36	PASS
		1000MHz to 2475MHz	-53.30	-30	PASS
		2545MHz to 3000MHz	-49.13	-30	PASS
		3000MHz to 7500MHz	-49.30	-30	PASS
		7500MHz to 12750MHz	-51.18	-30	PASS
	40640	0.009MHz to 0.15MHz	-85.93	-36	PASS
		0.15MHz to 30MHz	-94.38	-36	PASS
		30MHz to 1000MHz	-66.89	-36	PASS
		1000MHz to 2560MHz	-52.31	-30	PASS
		2630MHz to 3000MHz	-48.71	-30	PASS
		3000MHz to 7500MHz	-49.25	-30	PASS
		7500MHz to 12750MHz	-51.75	-30	PASS
	41490	0.009MHz to 0.15MHz	-87.41	-36	PASS
		0.15MHz to 30MHz	-92.98	-36	PASS
		30MHz to 1000MHz	-66.34	-36	PASS
		1000MHz to 2645MHz	-53.31	-30	PASS
		2715MHz to 3000MHz	-46.89	-30	PASS
		3000MHz to 7500MHz	-49.28	-30	PASS
		7500MHz to 12750MHz	-51.08	-30	PASS


RBW 1 kHz
VBW 3 kHz
SWT 426.16 ms
[T1] AV VIEW
Marker 1 [T1]
-86.01 dBm
12.000000 kHz
Ref -10 dBm
Att 0 dB
Offset 15 dB
Start 9 kHz
14.1 kHz/
Stop 150 kHz
RBW 10 kHz
VBW 30 kHz
SWT 902.12 ms
[T1] AV VIEW
Marker 1 [T1]
-93.73 dBm
150.000000 kHz
Ref -10 dBm
Att 0 dB
Offset 15 dB
Start 150 kHz
2.985 MHz/
Stop 30 MHz
RBW 100 kHz
VBW 300 kHz
SWT 293.16 ms
[T1] AV VIEW
Marker 1 [T1]
-66.88 dBm
712.233300 MHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 30 MHz
97 MHz/
Stop 1 GHz
RBW 1 MHz
VBW 3 MHz
SWT 4.48 ms
[T1] AV VIEW
Marker 1 [T1]
-53.30 dBm
2.465167 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1 GHz
147.5 MHz/
Stop 2.475 GHz
RBW 1 MHz
VBW 3 MHz
SWT 1.4 ms
[T1] AV VIEW
Marker 1 [T1]
-49.13 dBm
2.905208 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 2.545 GHz
45.5 MHz/
Stop 3 GHz
RBW 1 MHz
VBW 3 MHz
SWT 13.6 ms
[T1] AV VIEW
Marker 1 [T1]
-49.30 dBm
6.690000 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 3 GHz
450 MHz/
Stop 7.5 GHz
RBW 1 MHz
VBW 3 MHz
SWT 15.88 ms
[T1] AV VIEW
Marker 1 [T1]
-51.18 dBm
12.697500 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 7.5 GHz
525 MHz/
Stop 12.75 GHz

Ch 39790


RBW 1 kHz
VBW 3 kHz
SWT 426.16 ms
[T1] AV VIEW
Marker 1 [T1]
-85.93 dBm
10.800000 kHz
Ref -10 dBm
Att 0 dB
Offset 15 dB
Start 9 kHz
14.1 kHz/
Stop 150 kHz
RBW 10 kHz
VBW 30 kHz
SWT 902.12 ms
[T1] AV VIEW
Marker 1 [T1]
-94.38 dBm
349.000000 kHz
Ref -10 dBm
Att 0 dB
Offset 15 dB
Start 150 kHz
2.985 MHz/
Stop 30 MHz
RBW 100 kHz
VBW 300 kHz
SWT 293.16 ms
[T1] AV VIEW
Marker 1 [T1]
-66.89 dBm
484.283300 MHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 30 MHz
97 MHz/
Stop 1 GHz
RBW 1 MHz
VBW 3 MHz
SWT 4.72 ms
[T1] AV VIEW
Marker 1 [T1]
-52.31 dBm
2.328600 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1 GHz
156 MHz/
Stop 2.56 GHz
RBW 1 MHz
VBW 3 MHz
SWT 1.12 ms
[T1] AV VIEW
Marker 1 [T1]
-48.71 dBm
2.916750 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 2.63 GHz
37 MHz/
Stop 3 GHz
RBW 1 MHz
VBW 3 MHz
SWT 13.6 ms
[T1] AV VIEW
Marker 1 [T1]
-49.25 dBm
6.690000 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 3 GHz
450 MHz/
Stop 7.5 GHz
RBW 1 MHz
VBW 3 MHz
SWT 15.88 ms
[T1] AV VIEW
Marker 1 [T1]
-51.75 dBm
12.662500 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 7.5 GHz
525 MHz/
Stop 12.75 GHz

Ch 40640


RBW 1 kHz
VBW 3 kHz
SWT 426.16 ms
[T1] AV VIEW
Marker 1 [T1]
-87.41 dBm
10.400000 kHz
Ref -10 dBm
Att 0 dB
Offset 15 dB
Start 9 kHz
14.1 kHz/
Stop 150 kHz
RBW 10 kHz
VBW 30 kHz
SWT 902.12 ms
[T1] AV VIEW
Marker 1 [T1]
-92.98 dBm
199.700000 kHz
Ref -10 dBm
Att 0 dB
Offset 15 dB
Start 150 kHz
2.985 MHz/
Stop 30 MHz
RBW 100 kHz
VBW 300 kHz
SWT 293.16 ms
[T1] AV VIEW
Marker 1 [T1]
-66.34 dBm
907.850000 MHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 30 MHz
97 MHz/
Stop 1 GHz
RBW 1 MHz
VBW 3 MHz
SWT 5 ms
[T1] AV VIEW
Marker 1 [T1]
-53.31 dBm
2.491467 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 1 GHz
164.5 MHz/
Stop 2.645 GHz
RBW 1 MHz
VBW 3 MHz
SWT 1 ms
[T1] AV VIEW
Marker 1 [T1]
-46.89 dBm
2.972450 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 2.715 GHz
28.5 MHz/
Stop 3 GHz
RBW 1 MHz
VBW 3 MHz
SWT 13.6 ms
[T1] AV VIEW
Marker 1 [T1]
-49.28 dBm
6.697500 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 3 GHz
450 MHz/
Stop 7.5 GHz
RBW 1 MHz
VBW 3 MHz
SWT 15.88 ms
[T1] AV VIEW
Marker 1 [T1]
-51.08 dBm
7.780000 GHz
Ref 10 dBm
Att 20 dB
Offset 15 dB
Start 7.5 GHz
525 MHz/
Stop 12.75 GHz

Ch 41490

6. 相鄰頻道洩漏功率比(ACLR)

6.1 適用標準

相鄰頻道洩漏功率比限制值為 29.2dB，須符合下表之規範值。

	頻道頻寬					
	1.4MHz	3MHz	5MHz	10MHz	15MHz	20MHz
相鄰頻道偏移	±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					

但設備屬HPUE者限制值為30.2 dB，測量時，頻道之量測頻寬依下表規定。

	頻道頻寬					
	1.4MHz	3MHz	5MHz	10MHz	15MHz	20MHz
相鄰頻道偏移	N/A	N/A	±5MHz	±10MHz	±15MHz	±20MHz
頻道量測頻寬	N/A	N/A	4.5 MHz	9.0 MHz	13.5 MHz	18 MHz
相鄰頻道洩漏功率限制值	N/A	N/A	30.2dB			

6.2 量測方法

(1) 在正常條件下執行測試，量測方式參考 3GPP TS 36 521-1, table 6.6.2.3.4.1-1。
(2) 測量檢測頻道與其相鄰通道的平均功率，計算相鄰頻道洩漏功率比。測量時，頻道的量測頻寬依下表之規定。

	頻道頻寬					
	1.4MHz	3MHz	5MHz	10MHz	15MHz	20MHz
相鄰頻道偏移	±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

(3) 檢測頻道為低、中、高三個頻道，對最低、5MHz、10MHz 及最高的工作頻寬之最大調變級數發射模式，均應分別檢測並依下表之規定。

頻道頻寬	下行結構			上行結構		
	調變方式	資源區塊分配		調變方式	資源區塊分配	
		FDD	TDD		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(註一)	50(註一)
10MHz				16QAM	12	12
15MHz				QPSK	75	75
15MHz				QPSK	16	16
15MHz				16QAM	75(註一)	75(註一)
15MHz				16QAM	16	16
20MHz				QPSK	100	100
20MHz				QPSK	18	18
20MHz				16QAM	100(註一)	100(註一)
20MHz				16QAM	18	18

註：

一、僅適用於用戶設備類別(UE-Categories)為 2~5。

二、RB offset 設定值及應檢項目之測試方法，參考 3GPP TS 36.521 技術標準規定。

6.3 量測儀器

儀器名稱 (廠牌/製造商)	型號	序號	校正日期	下次校正日期
Radio Communication Analyzer Anritsu	MT8820C	6201010284	Dec. 28, 2020	Dec. 27, 2021

Note: The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.

6.4 測試配置



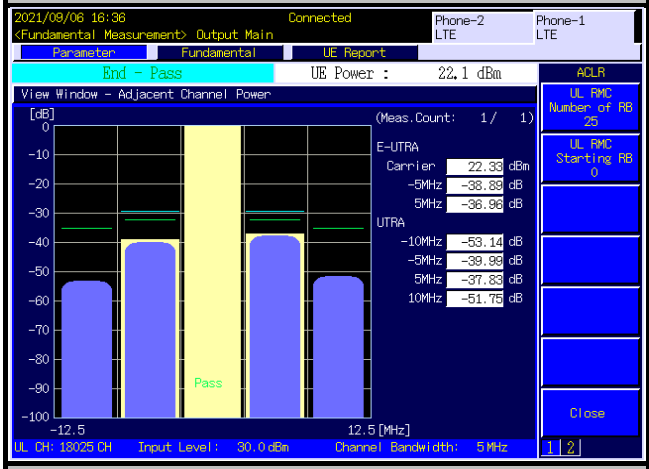
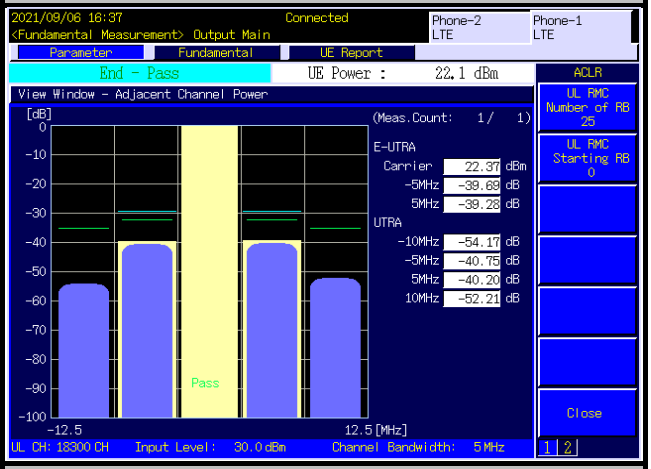
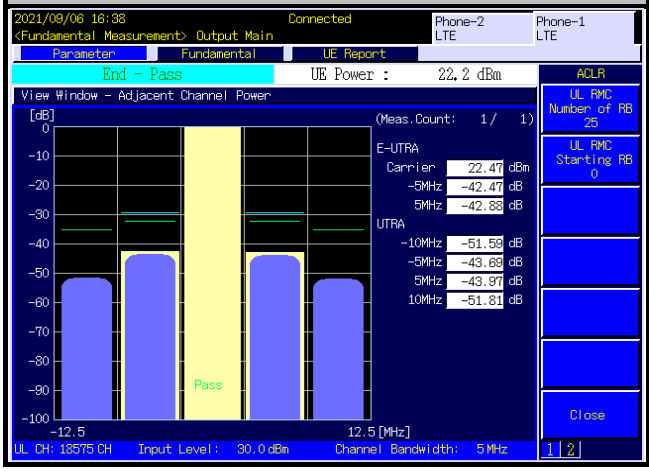
6.5 量測結果

操作模式	發射	測試者	張睿晉
量測場地溫度	26℃	量測場地濕度	65% RH

LTE Band 1

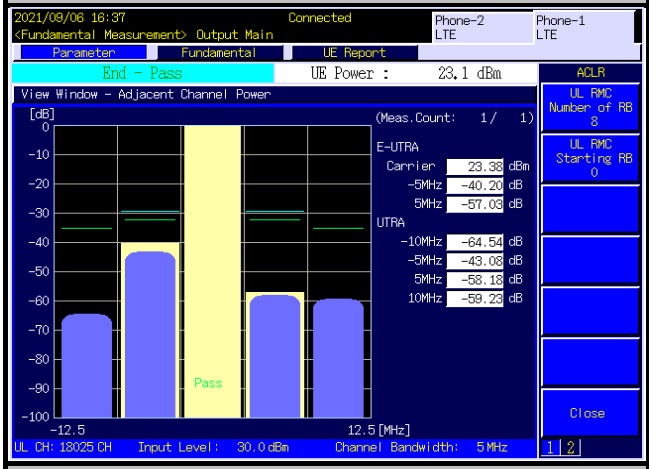
Bandwidth	Modulation	RB	Offset	Channel	ACLR (dB)	Min. Limit (dB)	Pass / Fail
5 MHz	QPSK	25	0	18025	-36.96	-29.2	Pass
				18300	-39.28	-29.2	Pass
				18575	-42.47	-29.2	Pass
		8	0	18025	-40.20	-29.2	Pass
				18300	-41.44	-29.2	Pass
				18575	-43.21	-29.2	Pass
		8	17	18025	-39.88	-29.2	Pass
				18300	-41.60	-29.2	Pass
				18575	-42.28	-29.2	Pass
10 MHz	QPSK	50	0	18050	-39.07	-29.2	Pass
				18300	-38.73	-29.2	Pass
				18550	-41.83	-29.2	Pass
		12	0	18050	-42.80	-29.2	Pass
				18300	-43.84	-29.2	Pass
				18550	-43.66	-29.2	Pass
		12	38	18050	-42.20	-29.2	Pass
				18300	-44.20	-29.2	Pass
				18550	-44.45	-29.2	Pass
20 MHz	QPSK	100	0	18100	-40.49	-29.2	Pass
				18300	-39.71	-29.2	Pass
				18500	-41.93	-29.2	Pass
		18	0	18100	-45.45	-29.2	Pass
				18300	-46.47	-29.2	Pass
				18500	-44.17	-29.2	Pass
		18	82	18100	-47.46	-29.2	Pass
				18300	-46.27	-29.2	Pass
				18500	-45.91	-29.2	Pass

Bandwidth: 5 MHz / QPSK (25 RB / 0 RB Offset)

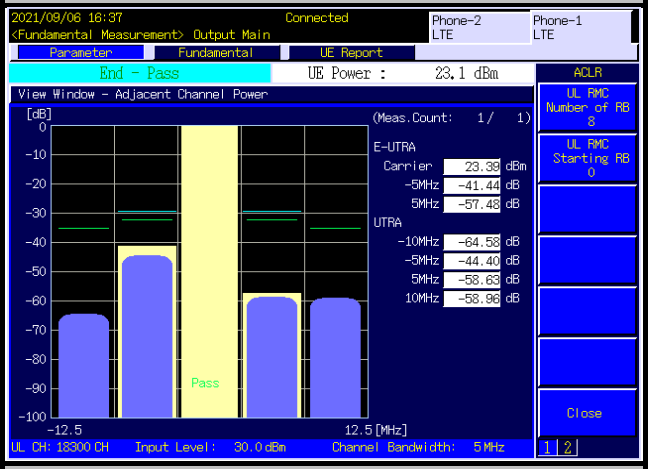
Ch18025	Ch18300
	
Ch18575	
	

Bandwidth: 5 MHz / QPSK (8 RB / 0 RB Offset)

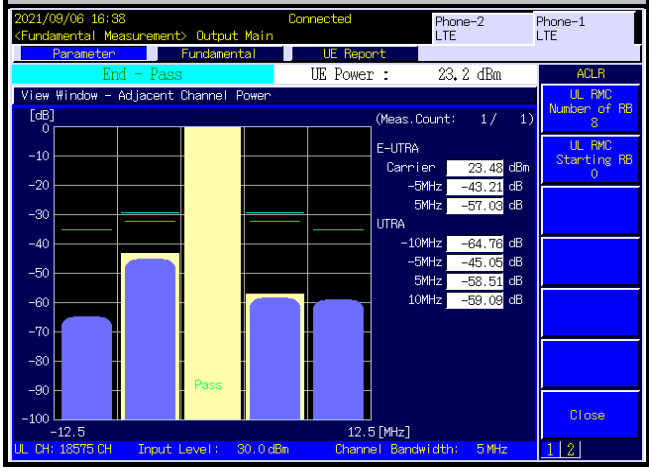
Ch18025



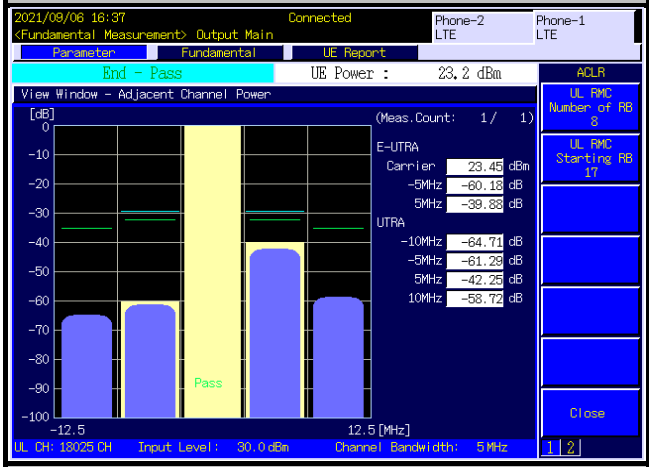
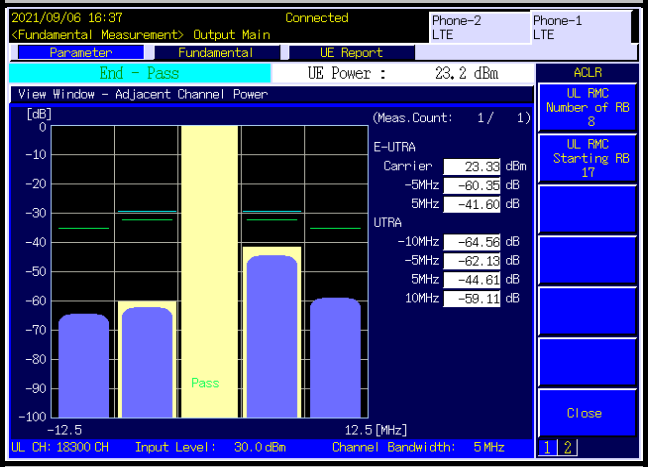
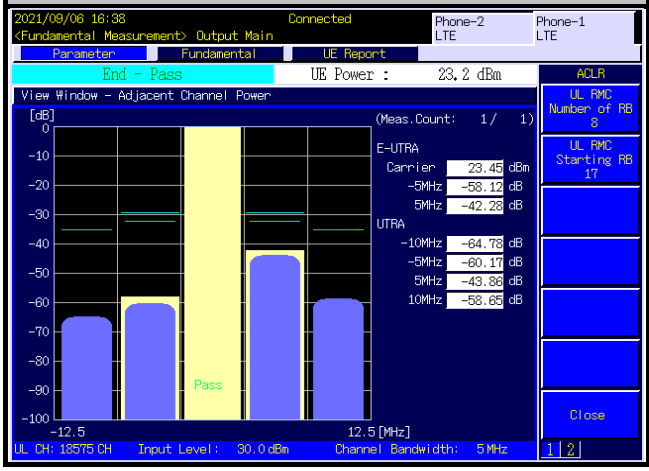
Ch18300



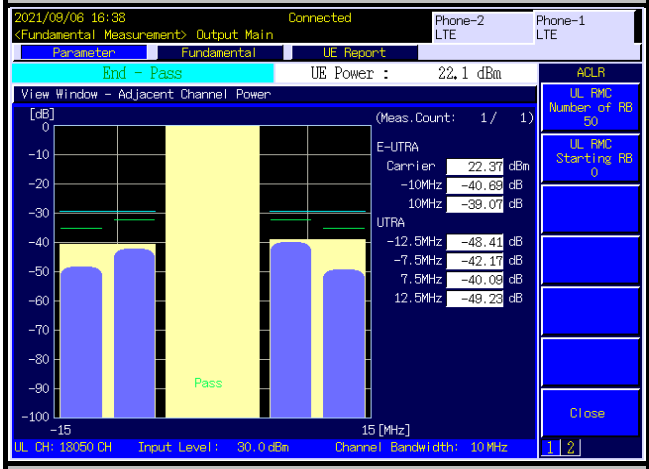
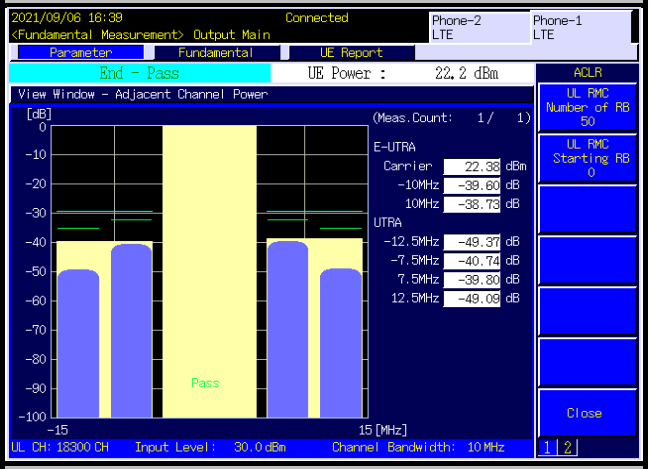
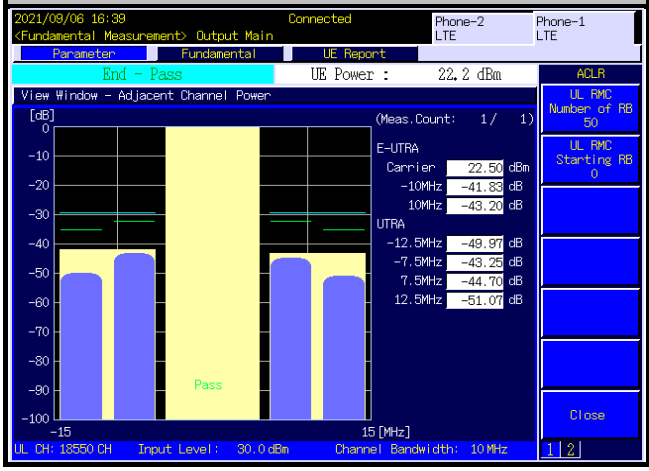
Ch18575



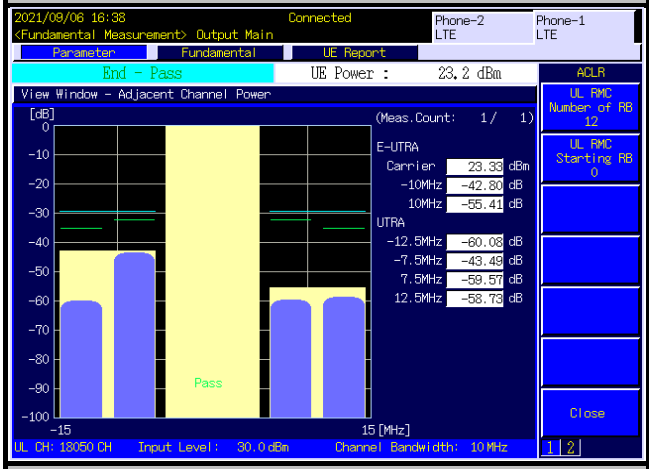
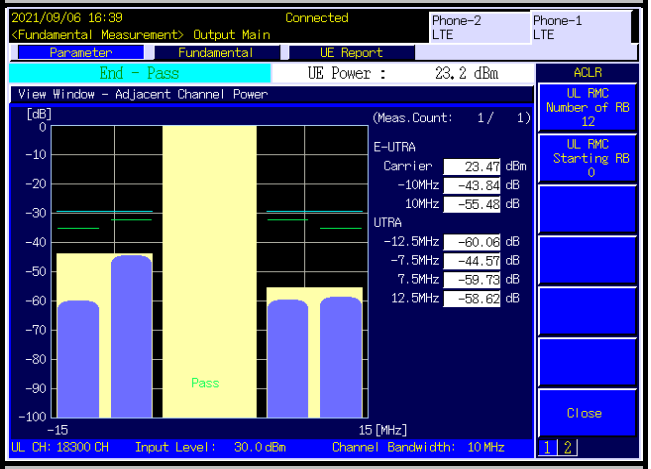
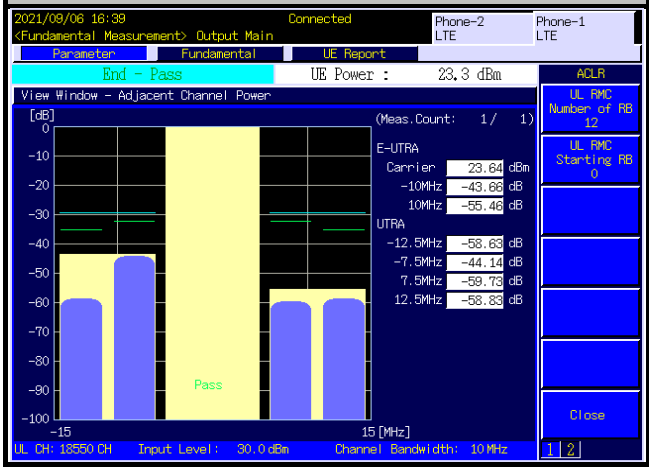
Bandwidth: 5 MHz / QPSK (8 RB / 17 RB Offset)

Ch18025	Ch18300
	
Ch18575	
	

Bandwidth: 10 MHz / QPSK (50 RB / 0 RB Offset)

Ch18050	Ch18300
	
Ch18550	
	

Bandwidth: 10 MHz / QPSK (12 RB / 0 RB Offset)

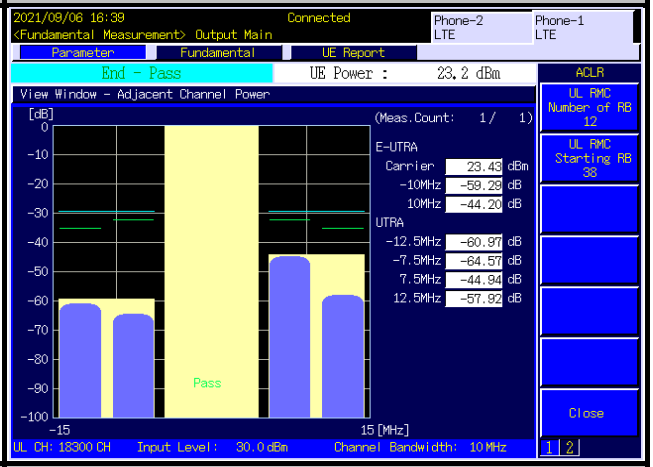
Ch18050	Ch18300
	
Ch18550	
	

Bandwidth: 10 MHz / QPSK (12 RB / 38 RB Offset)

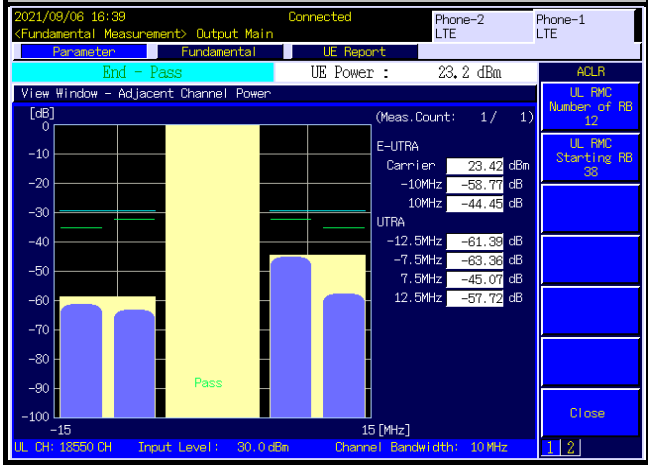
Ch18050



Ch18300

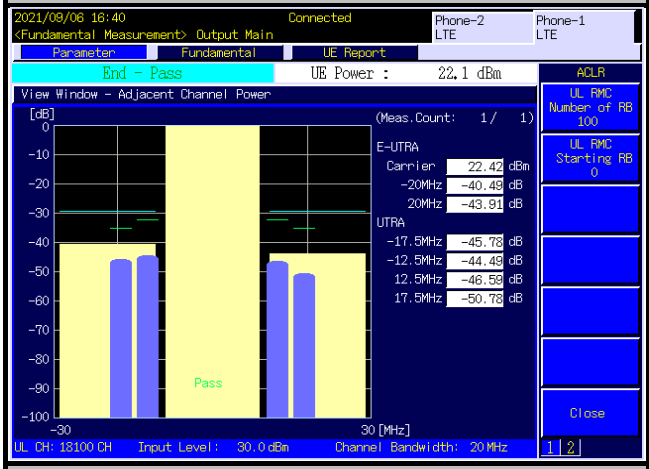


Ch18550

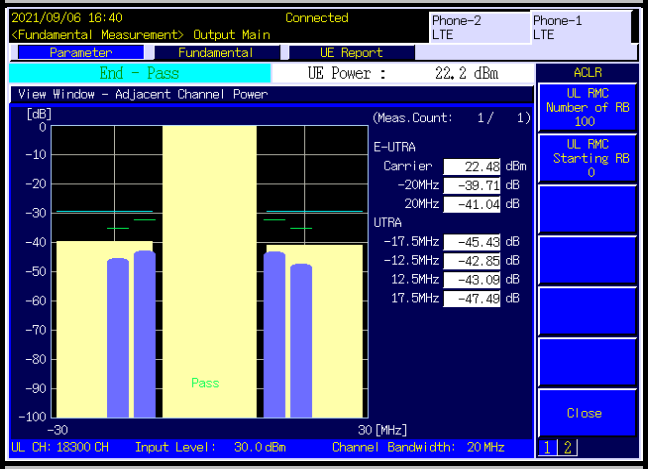


Bandwidth: 20 MHz / QPSK (100 RB / 0 RB Offset)

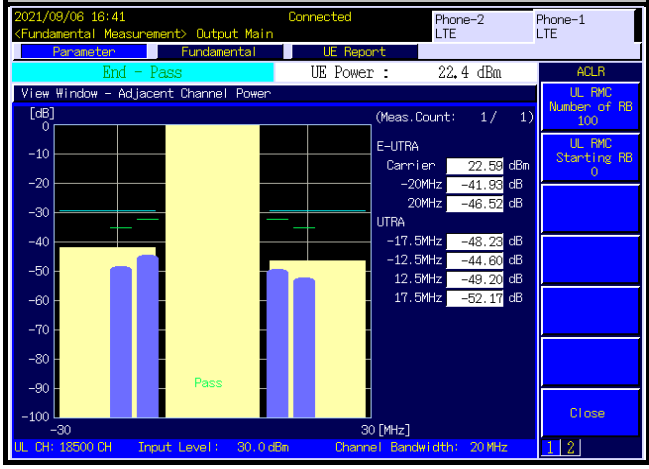
Ch18100



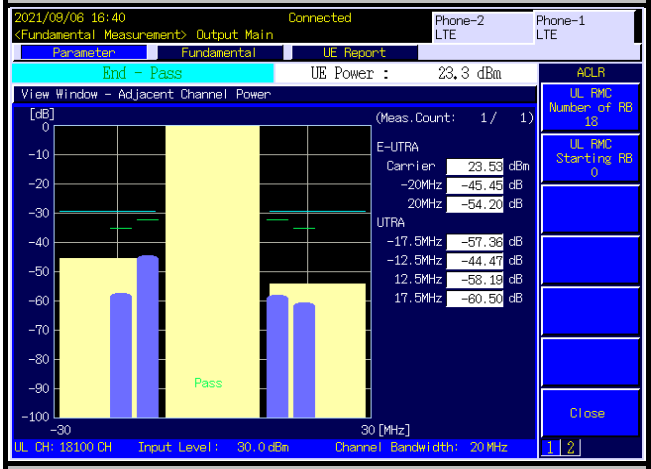
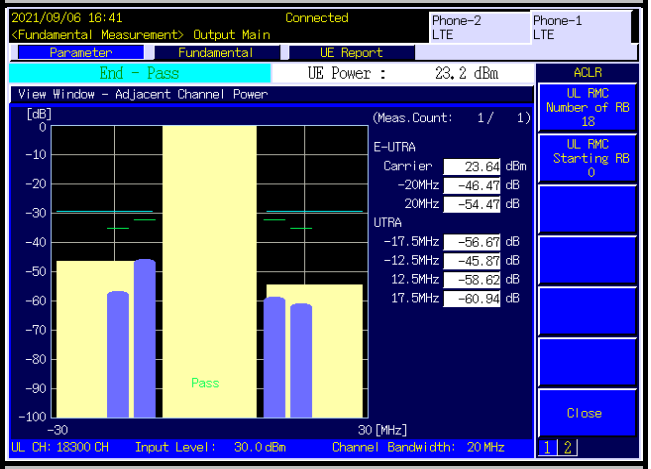
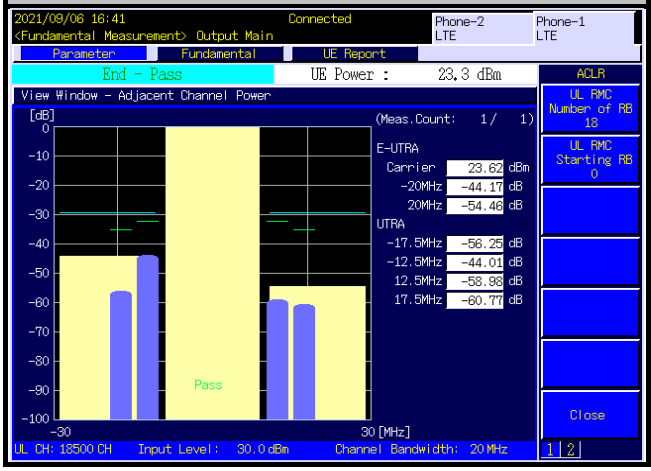
Ch18300



Ch18500

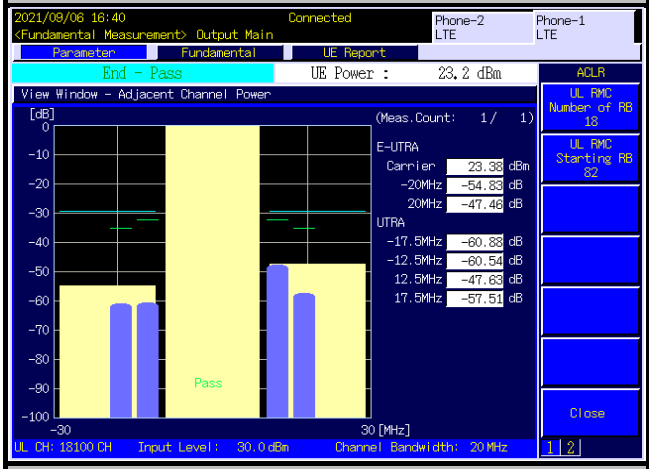


Bandwidth: 20 MHz / QPSK (18 RB / 0 RB Offset)

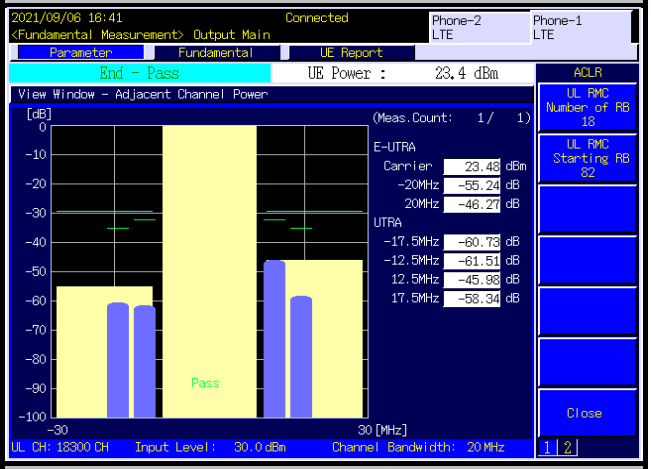
Ch18100	Ch18300
	
Ch18500	
	

Bandwidth: 20 MHz / QPSK (18 RB / 82 RB Offset)

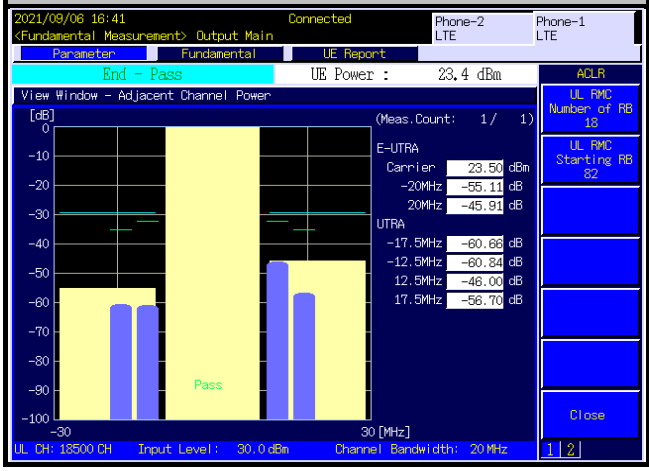
Ch18100



Ch18300

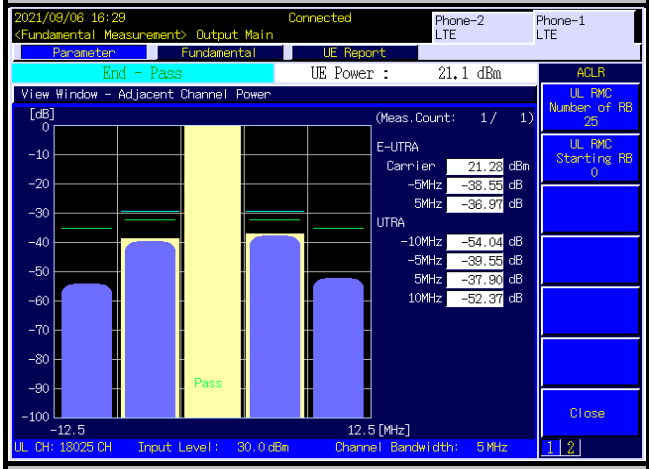
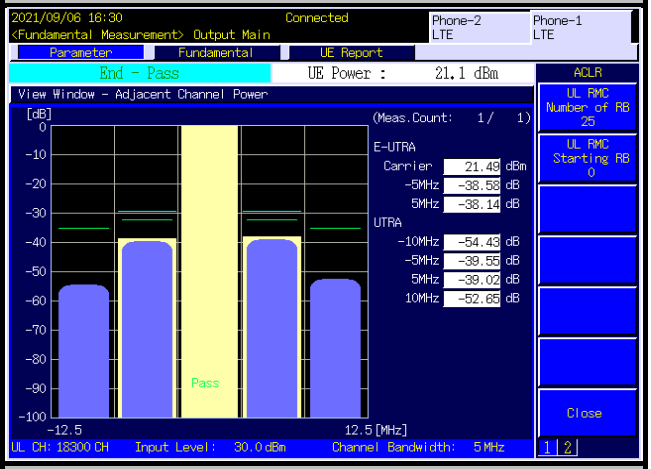
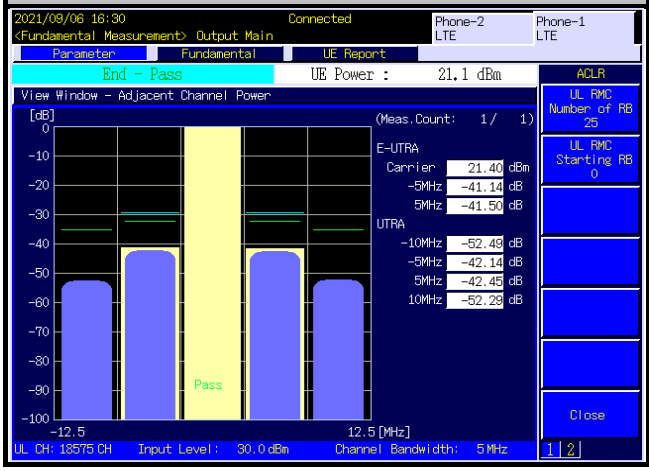


Ch18500

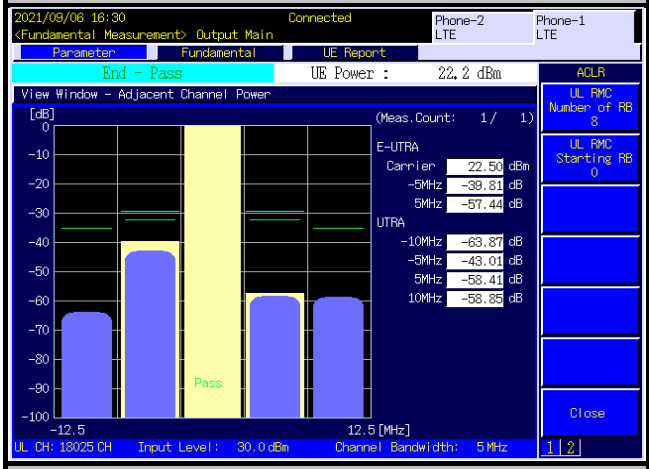
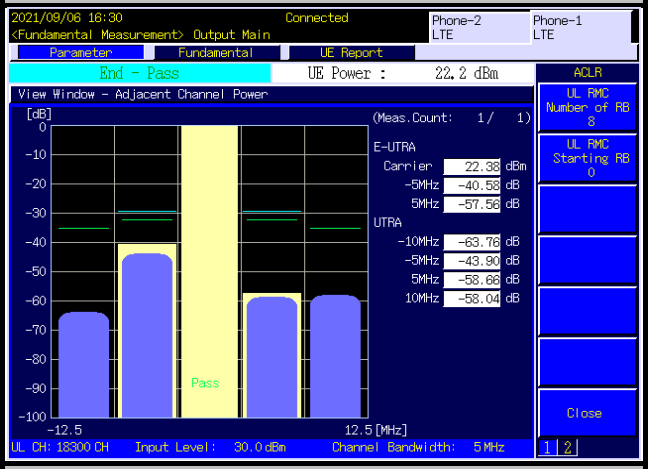
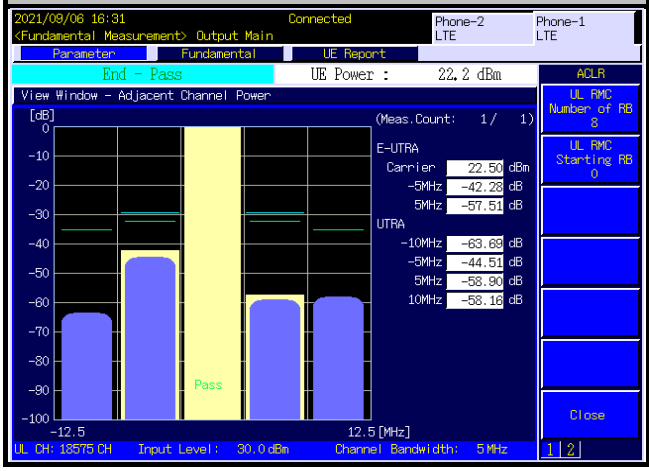


Bandwidth	Modulation	RB	Offset	Channel	ACLR (dB)	Min. Limit (dB)	Pass / Fail
5 MHz	16QAM	25	0	18025	-36.97	-29.2	Pass
				18300	-38.14	-29.2	Pass
				18575	-41.14	-29.2	Pass
		8	0	18025	-39.81	-29.2	Pass
				18300	-40.58	-29.2	Pass
				18575	-42.28	-29.2	Pass
		8	17	18025	-39.37	-29.2	Pass
				18300	-40.42	-29.2	Pass
				18575	-41.93	-29.2	Pass
10 MHz	16QAM	50	0	18050	-39.31	-29.2	Pass
				18300	-38.88	-29.2	Pass
				18550	-39.82	-29.2	Pass
		12	0	18050	-42.27	-29.2	Pass
				18300	-43.28	-29.2	Pass
				18550	-44.08	-29.2	Pass
		12	38	18050	-44.03	-29.2	Pass
				18300	-42.80	-29.2	Pass
				18550	-44.63	-29.2	Pass
20 MHz	16QAM	100	0	18100	-41.03	-29.2	Pass
				18300	-39.67	-29.2	Pass
				18500	-40.89	-29.2	Pass
		18	0	18100	-44.80	-29.2	Pass
				18300	-45.00	-29.2	Pass
				18500	-44.93	-29.2	Pass
		18	82	18100	-46.70	-29.2	Pass
				18300	-45.74	-29.2	Pass
				18500	-45.56	-29.2	Pass

Bandwidth: 5 MHz / 16QAM (25 RB / 0 RB Offset)

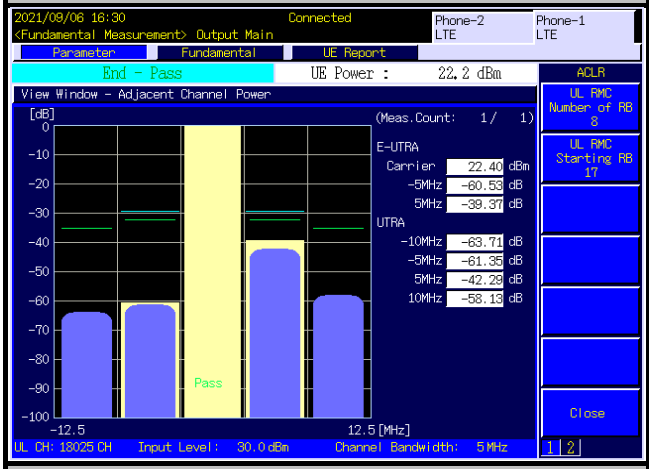
Ch18025	Ch18300
	
Ch18575	
	

Bandwidth: 5 MHz / 16QAM (8 RB / 0 RB Offset)

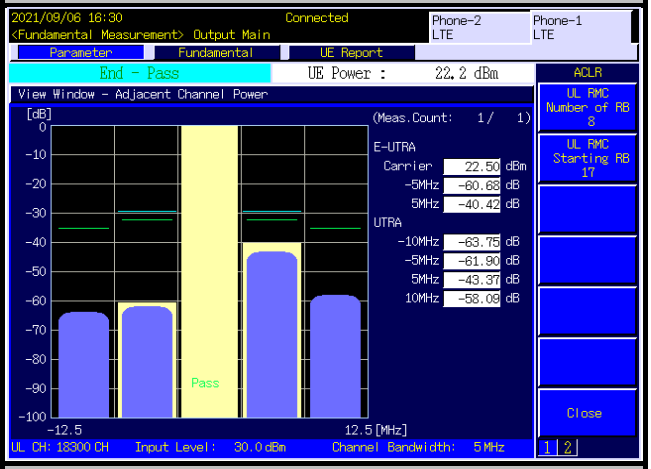
Ch18025	Ch18300
	
Ch18575	
	

Bandwidth: 5 MHz / 16QAM (8 RB / 17 RB Offset)

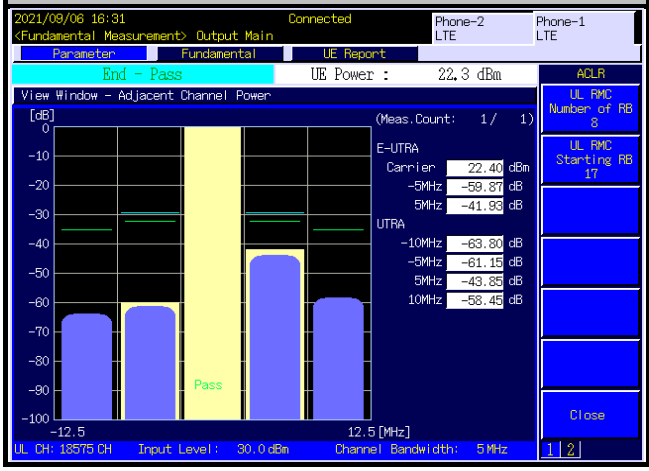
Ch18025



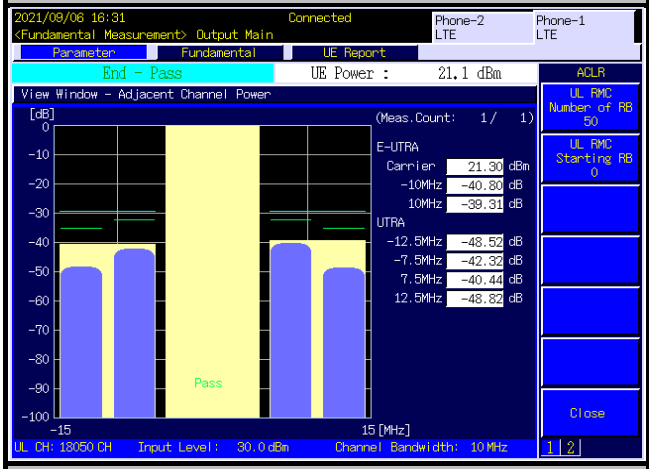
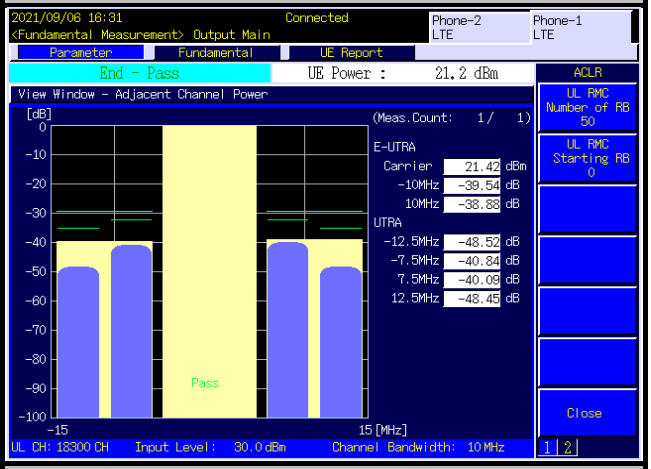
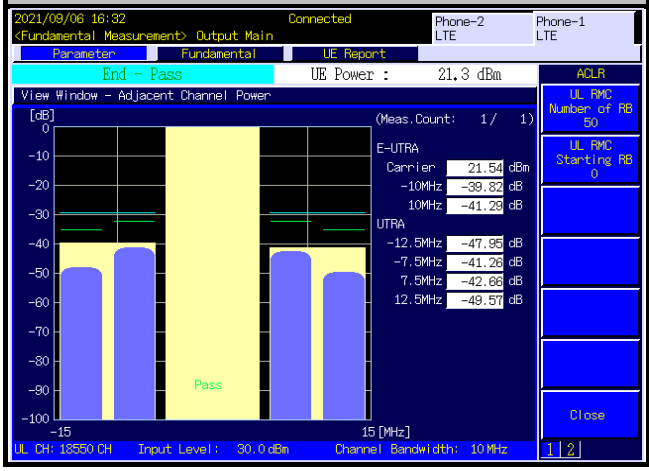
Ch18300



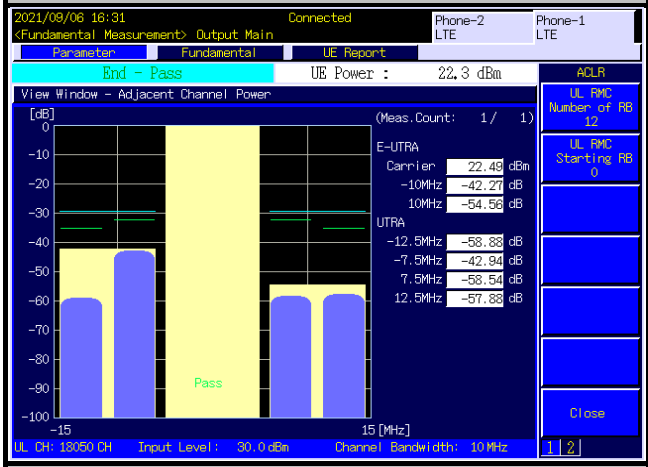
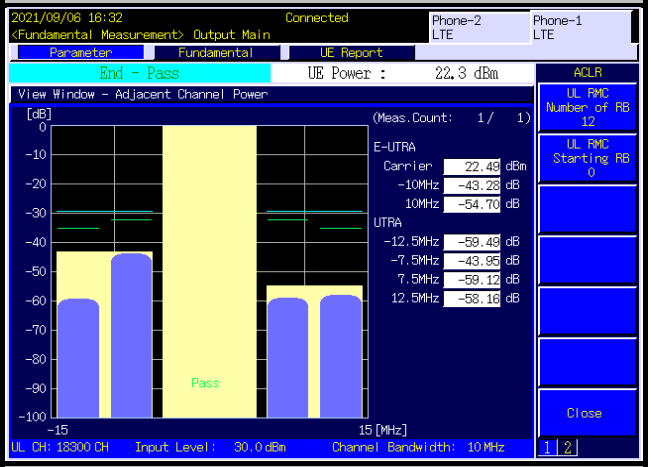
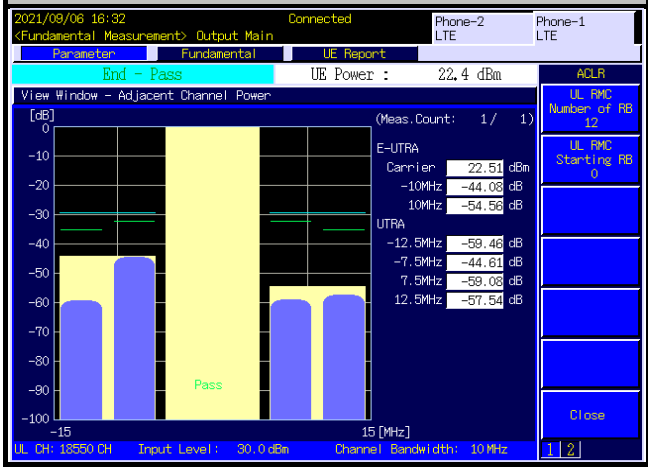
Ch18575



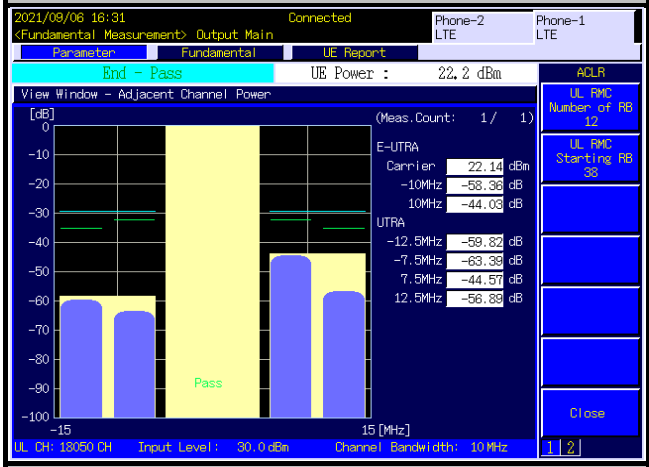
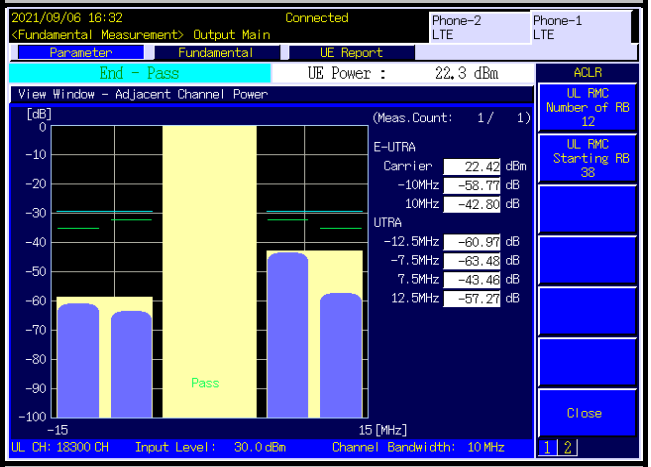
Bandwidth: 10 MHz / 16QAM (50 RB / 0 RB Offset)

Ch18050	Ch18300
	
Ch18550	
	

Bandwidth: 10 MHz / 16QAM (12 RB / 0 RB Offset)

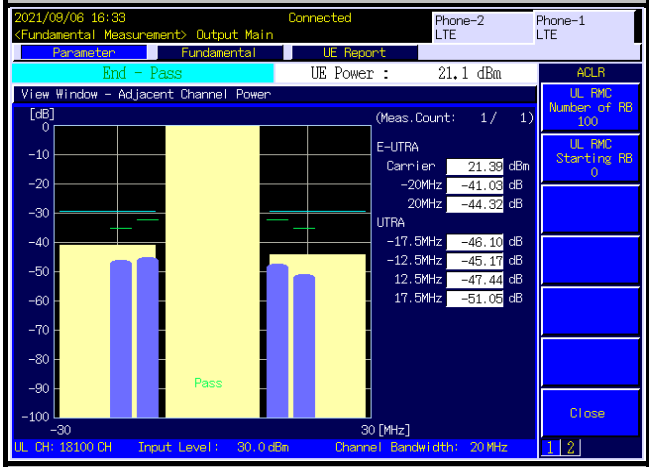
Ch18050	Ch18300
	
Ch18550	
	

Bandwidth: 10 MHz / 16QAM (12 RB / 38 RB Offset)

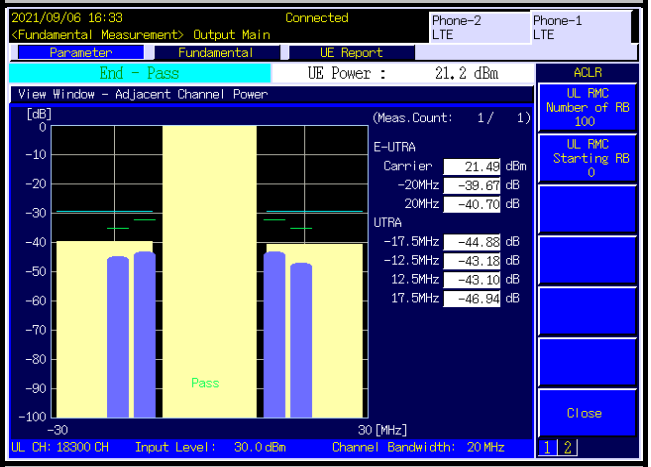
Ch18050	Ch18300
	
Ch18550	
	

Bandwidth: 20 MHz / 16QAM (100 RB / 0 RB Offset)

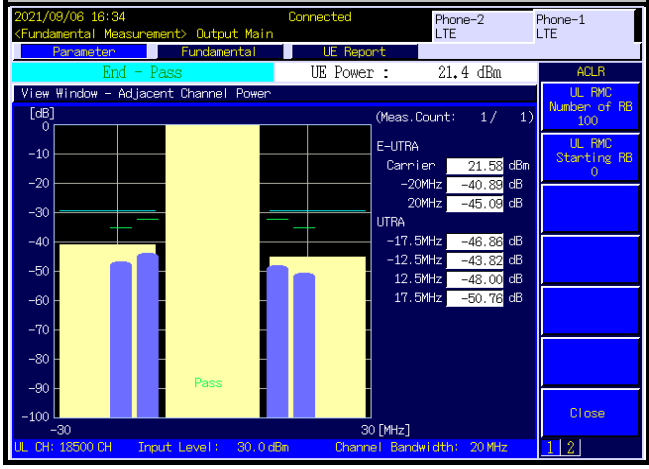
Ch18100



Ch18300

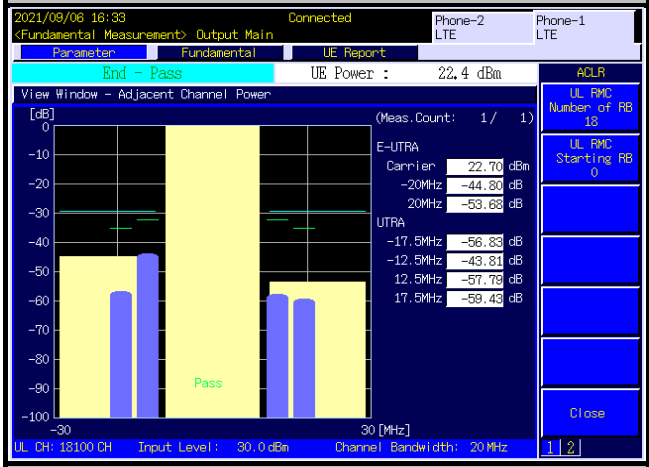


Ch18500

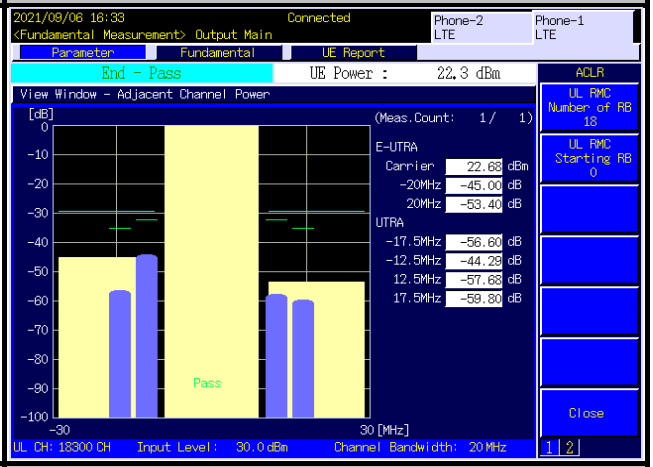


Bandwidth: 20 MHz / 16QAM (18 RB / 0 RB Offset)

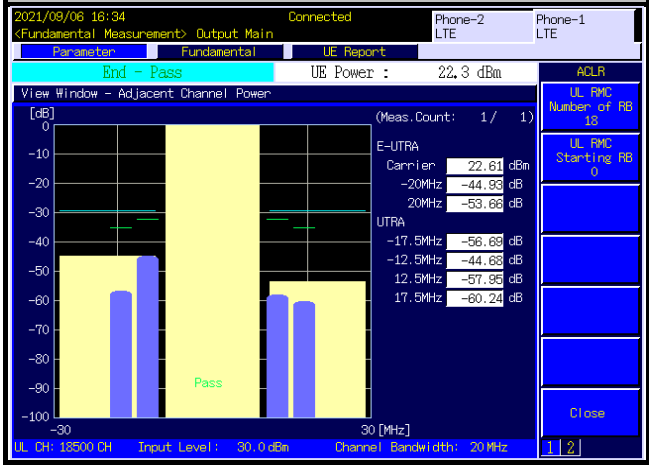
Ch18100



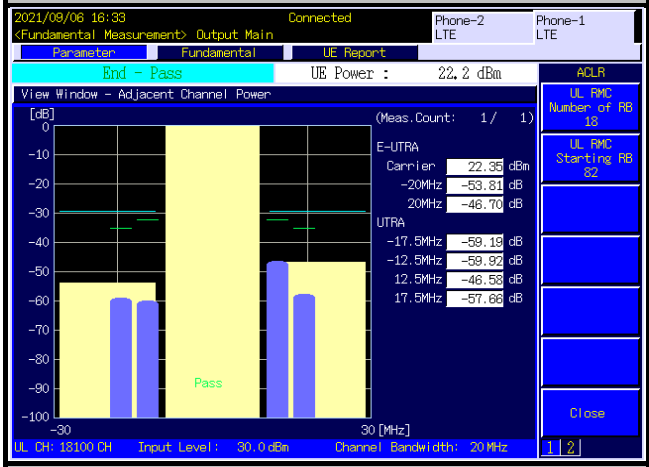
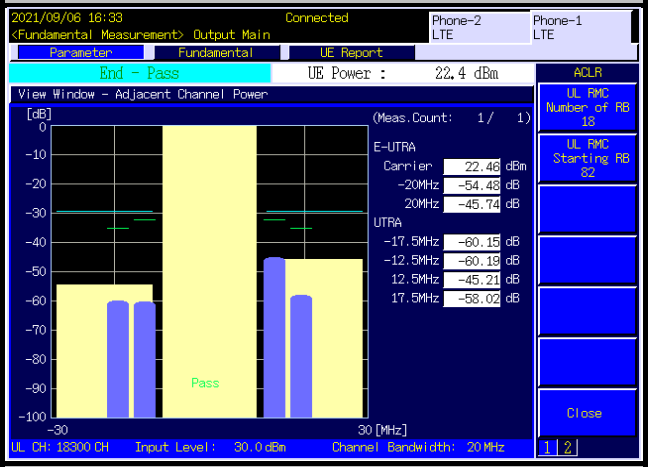
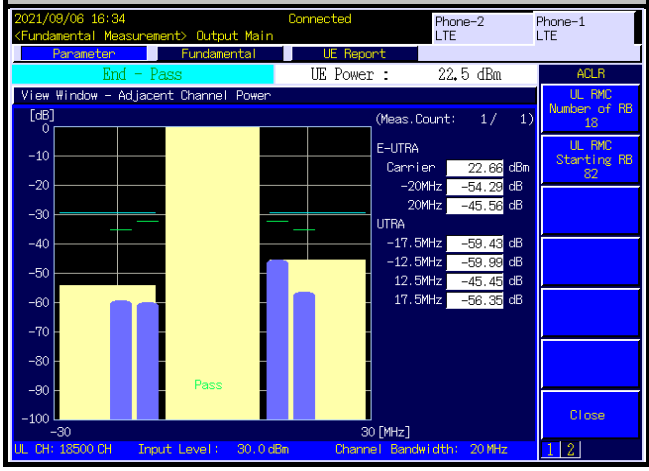
Ch18300



Ch18500



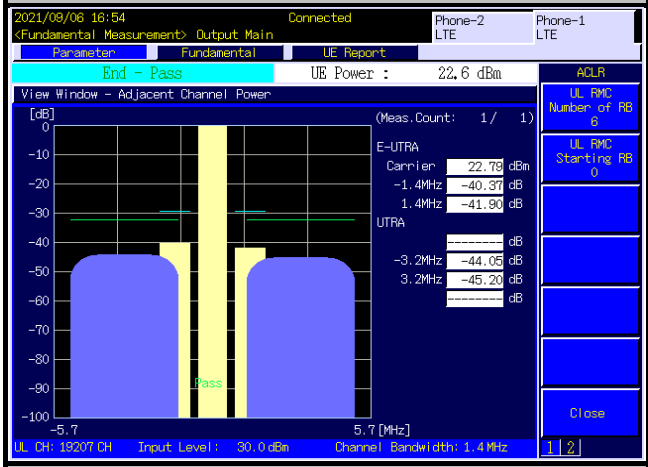
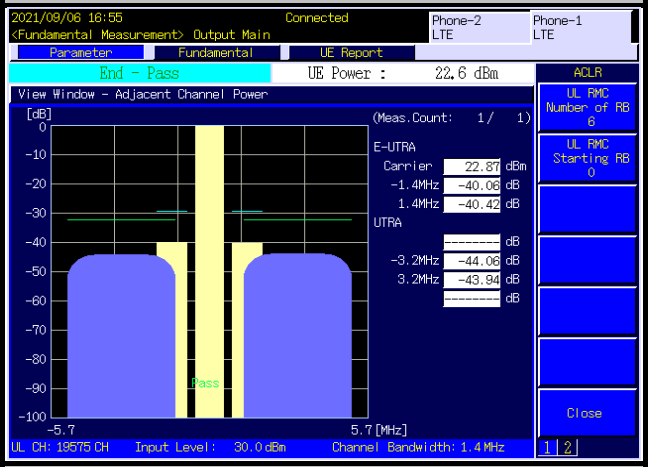
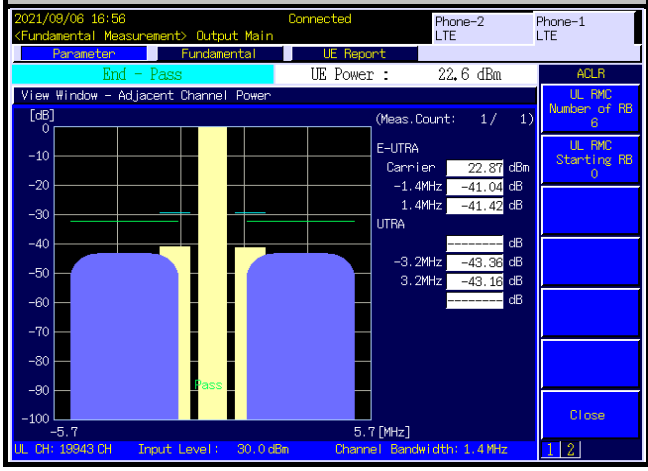
Bandwidth: 20 MHz / 16QAM (18 RB / 82 RB Offset)

Ch18100	Ch18300
	
Ch18500	
	

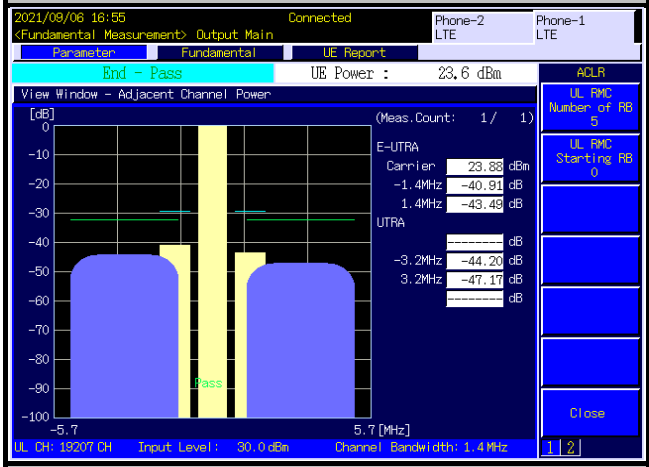
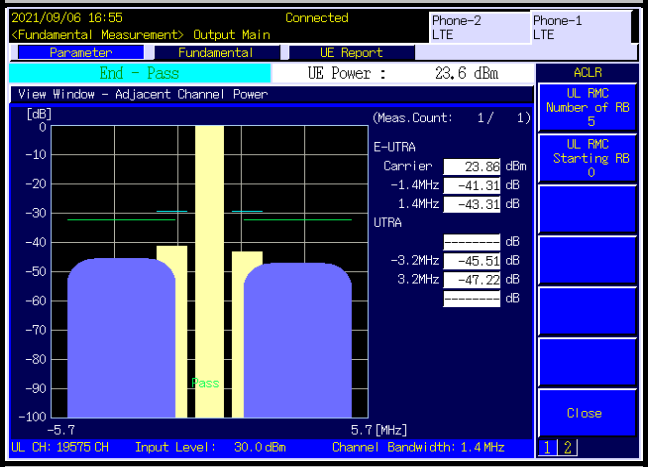
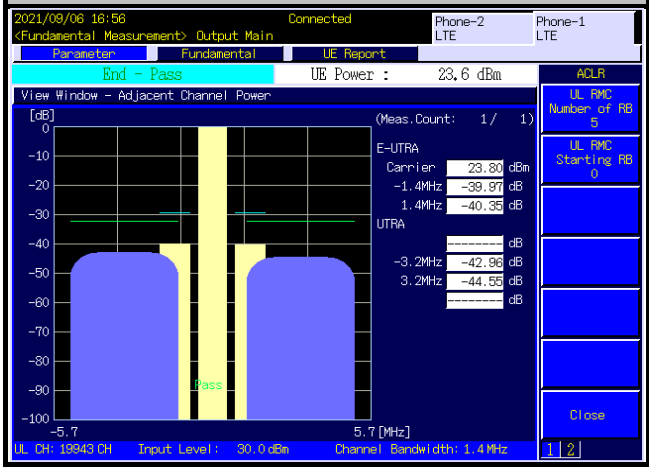
LTE Band 3

Bandwidth	Modulation	RB	Offset	Channel	ACLR (dB)	Min. Limit (dB)	Pass / Fail
1.4 MHz	QPSK	6	0	19207	-40.37	-29.2	Pass
				19575	-40.06	-29.2	Pass
				19943	-41.04	-29.2	Pass
		5	0	19207	-40.91	-29.2	Pass
				19575	-41.31	-29.2	Pass
				19943	-39.97	-29.2	Pass
		5	1	19207	-42.17	-29.2	Pass
				19575	-41.39	-29.2	Pass
				19943	-39.03	-29.2	Pass
5 MHz	QPSK	25	0	19225	-38.35	-29.2	Pass
				19575	-38.77	-29.2	Pass
				19925	-40.73	-29.2	Pass
		8	0	19225	-40.93	-29.2	Pass
				19575	-40.95	-29.2	Pass
				19925	-41.75	-29.2	Pass
		8	17	19225	-41.66	-29.2	Pass
				19575	-41.28	-29.2	Pass
				19925	-39.35	-29.2	Pass
10 MHz	QPSK	50	0	19250	-38.39	-29.2	Pass
				19575	-39.57	-29.2	Pass
				19900	-41.40	-29.2	Pass
		12	0	19250	-42.44	-29.2	Pass
				19575	-43.11	-29.2	Pass
				19900	-42.98	-29.2	Pass
		12	38	19250	-42.18	-29.2	Pass
				19575	-42.77	-29.2	Pass
				19900	-40.80	-29.2	Pass
20 MHz	QPSK	100	0	19300	-40.67	-29.2	Pass
				19575	-40.63	-29.2	Pass
				19850	-40.17	-29.2	Pass
		18	0	19300	-43.67	-29.2	Pass
				19575	-45.10	-29.2	Pass
				19850	-44.55	-29.2	Pass
		18	82	19300	-45.36	-29.2	Pass
				19575	-45.02	-29.2	Pass
				19850	-43.19	-29.2	Pass

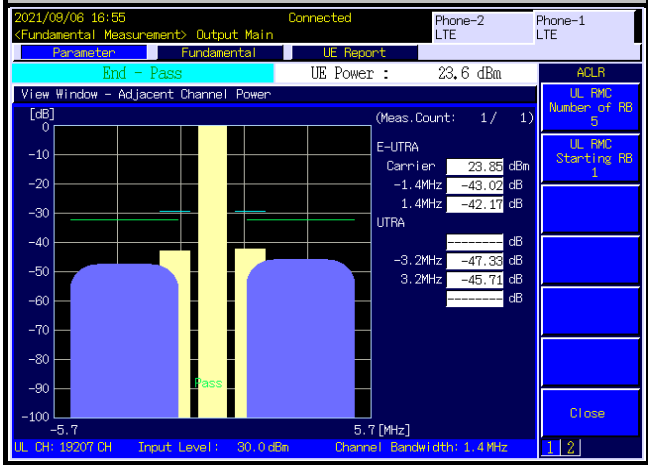
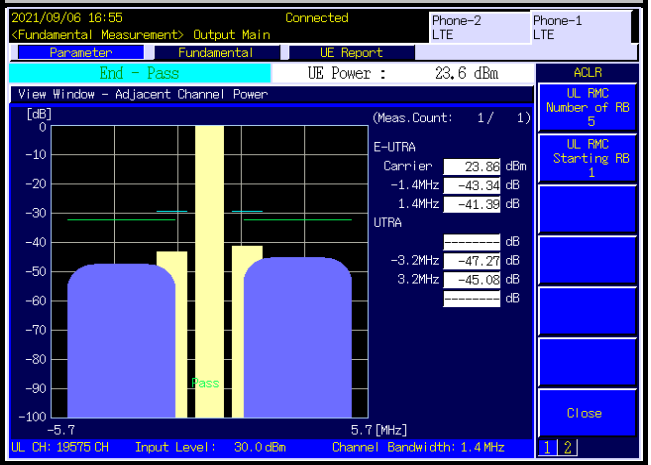
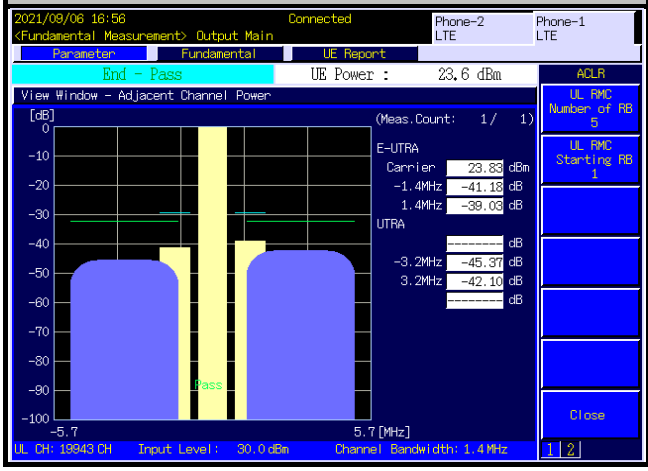
Bandwidth: 1.4 MHz / QPSK (6 RB / 0 RB Offset)

Ch19207	Ch19575
	
Ch19943	
	

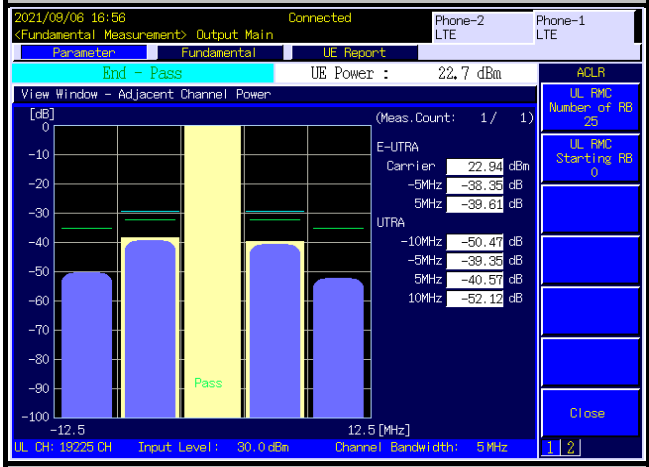
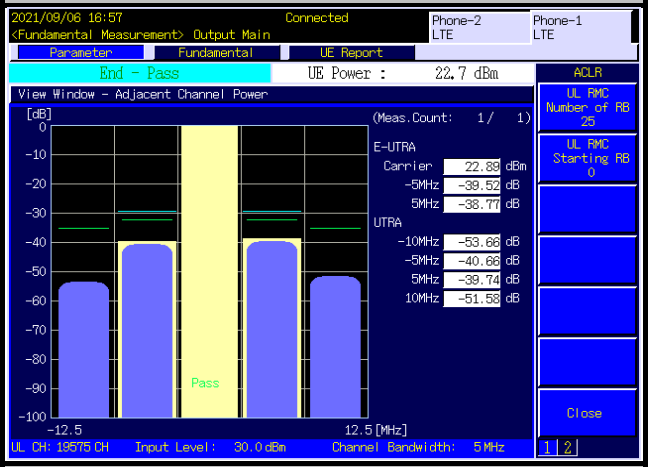
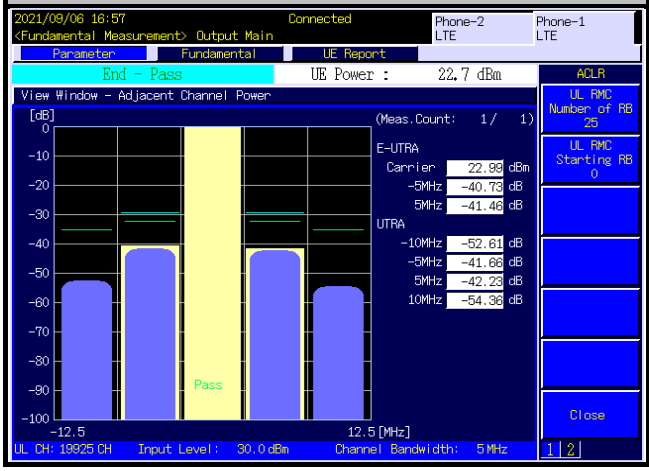
Bandwidth: 1.4 MHz / QPSK (5 RB / 0 RB Offset)

Ch19207	Ch19575
	
Ch19943	
	

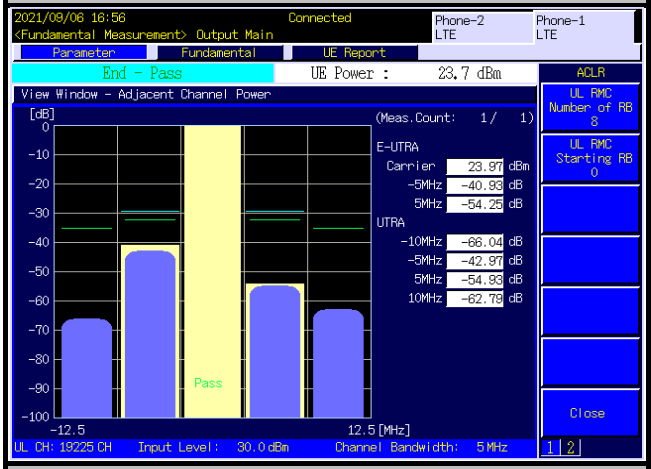
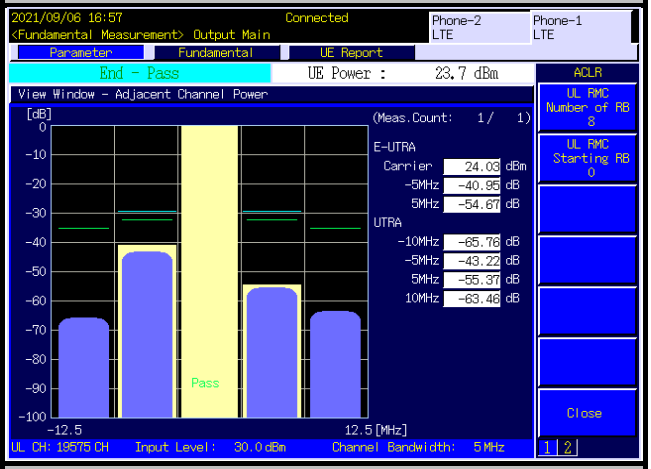
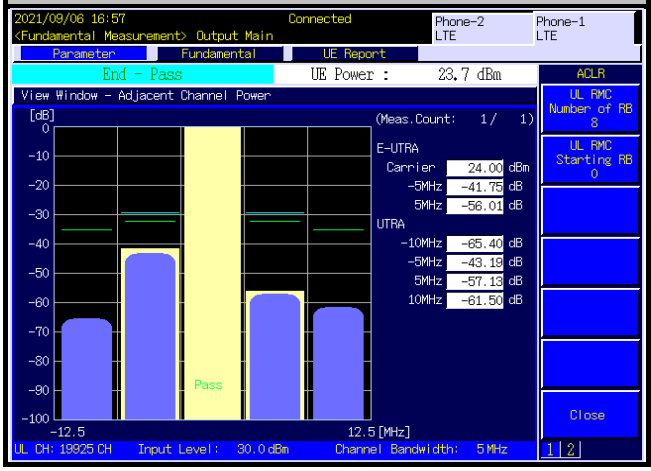
Bandwidth: 1.4 MHz / QPSK (5 RB / 1 RB Offset)

Ch19207	Ch19575
	
Ch19943	
	

Bandwidth: 5 MHz / QPSK (25 RB / 0 RB Offset)

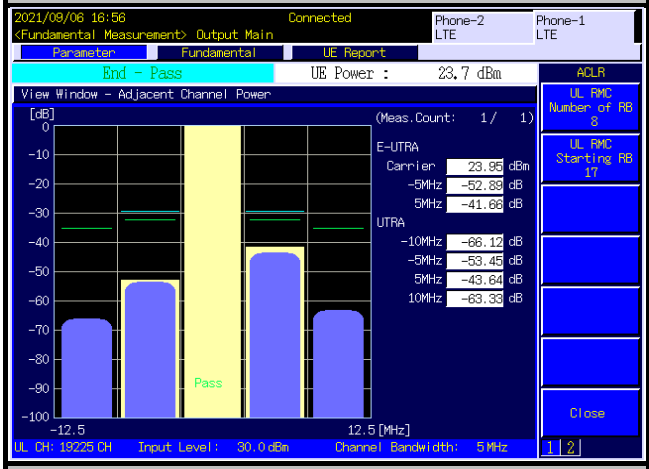
Ch19225	Ch19575
	
Ch19925	
	

Bandwidth: 5 MHz / QPSK (8 RB / 0 RB Offset)

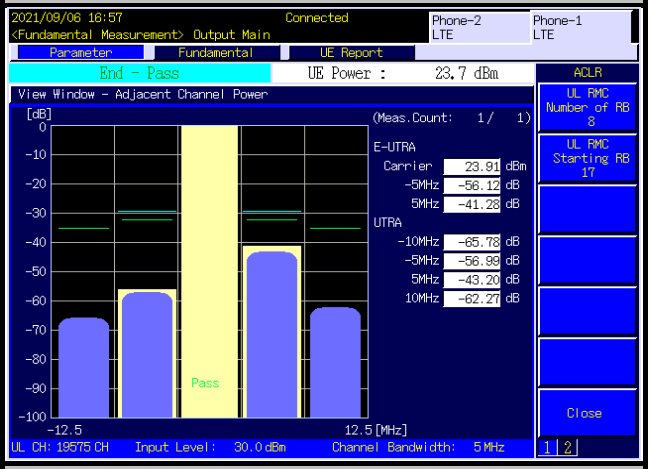
Ch19225	Ch19575
	
Ch19925	
	

Bandwidth: 5 MHz / QPSK (8 RB / 17 RB Offset)

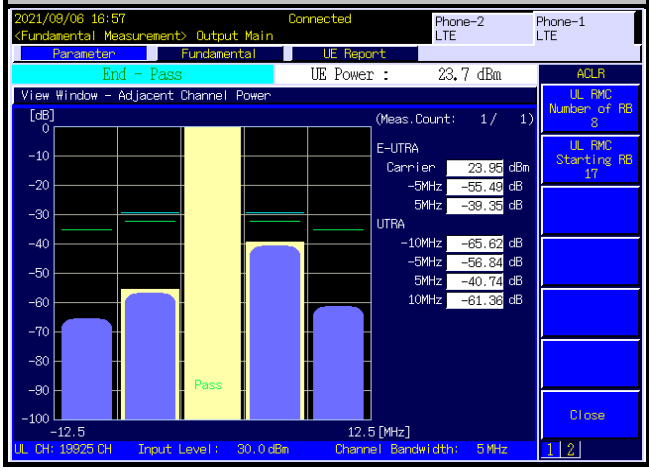
Ch19225



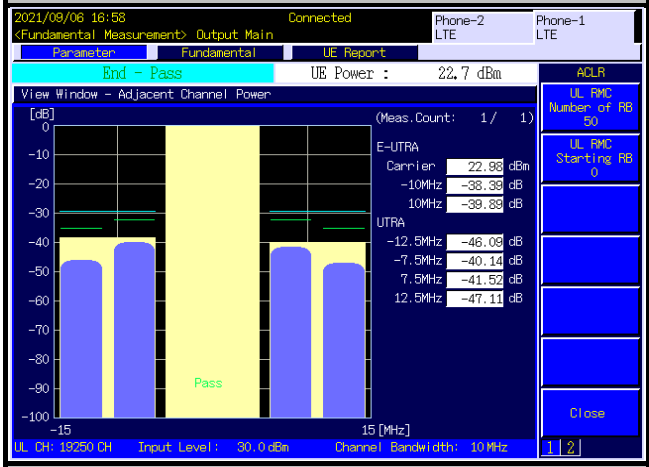
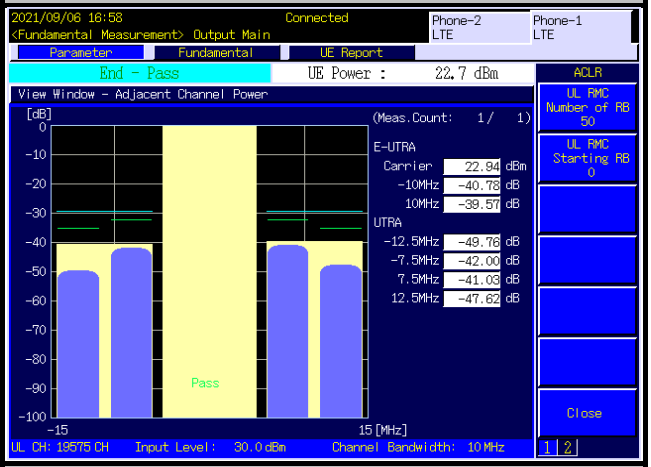
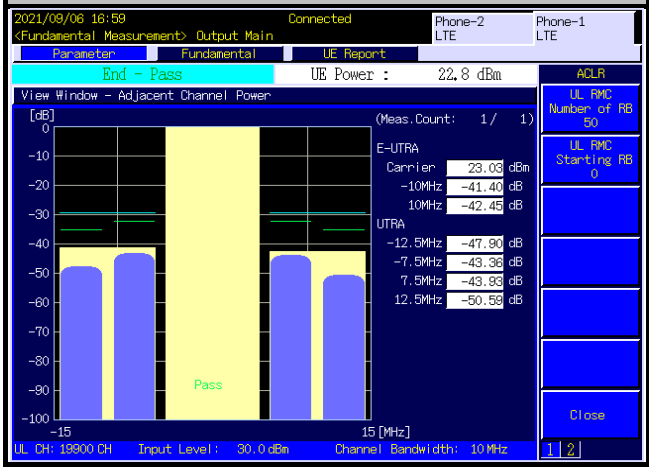
Ch19575



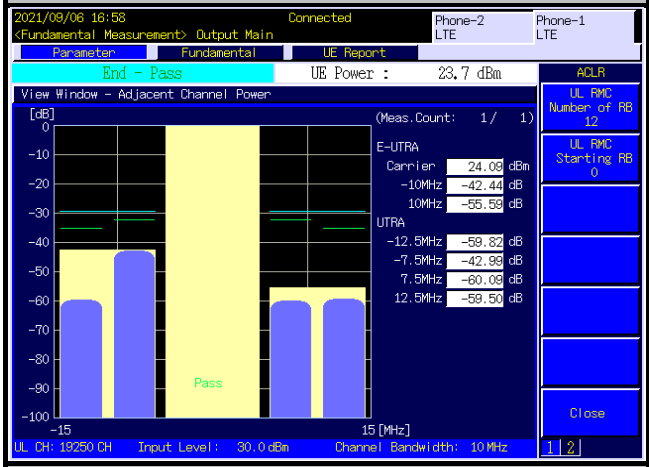
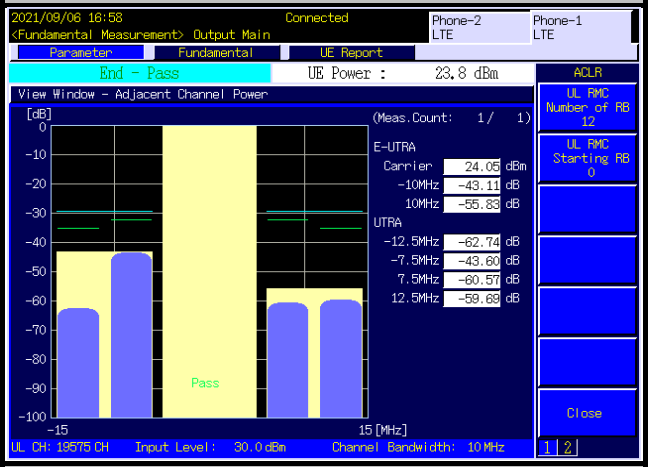
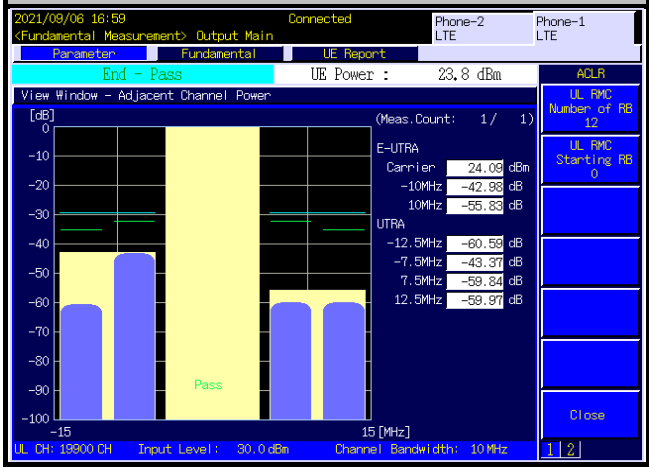
Ch19925



Bandwidth: 10 MHz / QPSK (50 RB / 0 RB Offset)

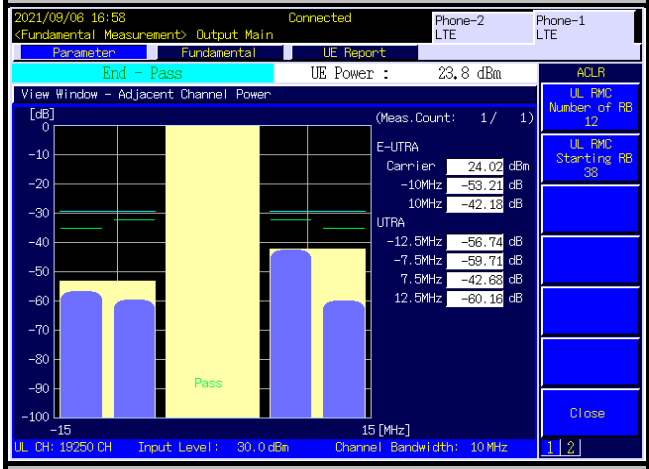
Ch19250	Ch19575
	
Ch19900	
	

Bandwidth: 10 MHz / QPSK (12 RB / 0 RB Offset)

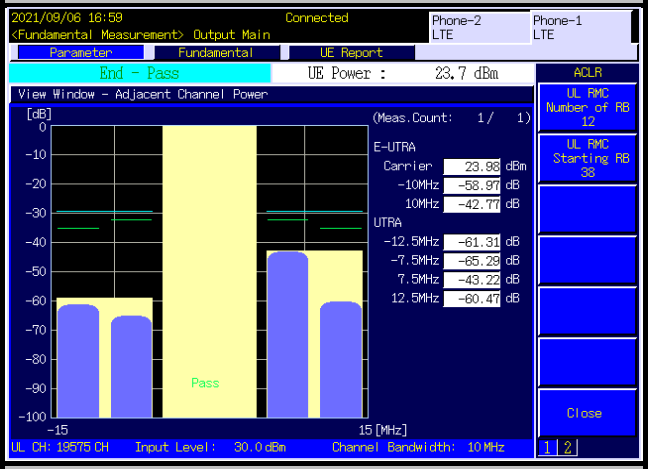
Ch19250	Ch19575
	
Ch19900	
	

Bandwidth: 10 MHz / QPSK (12 RB / 38 RB Offset)

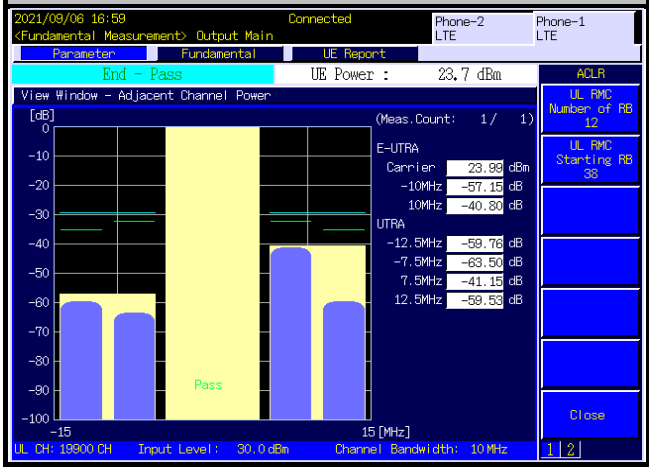
Ch19250



Ch19575

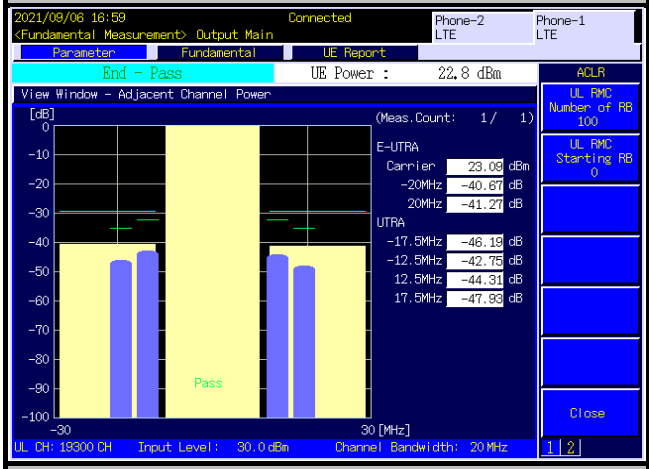


Ch19900

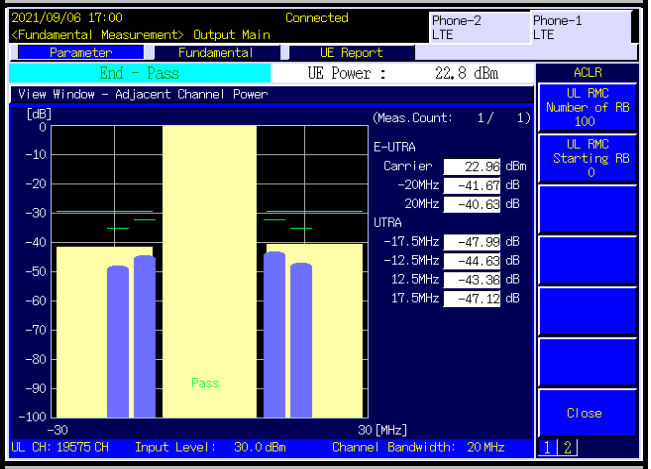


Bandwidth: 20 MHz / QPSK (100 RB / 0 RB Offset)

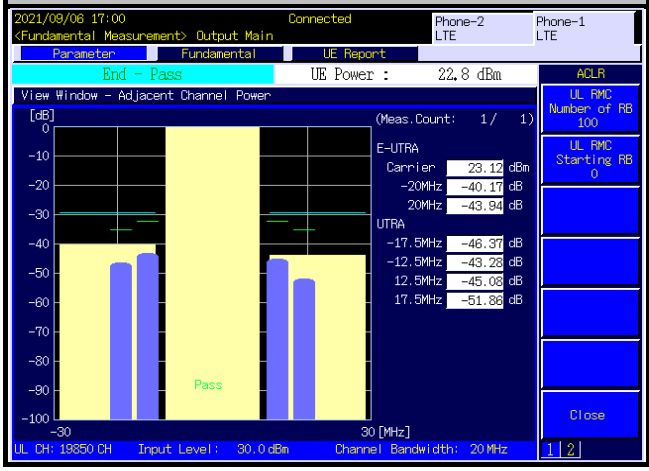
Ch19300



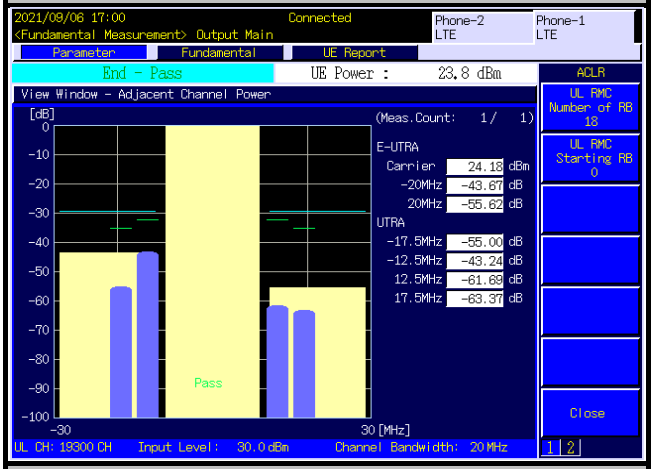
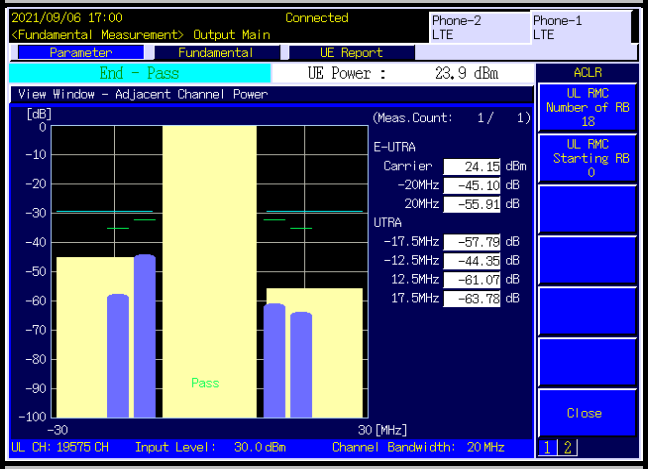
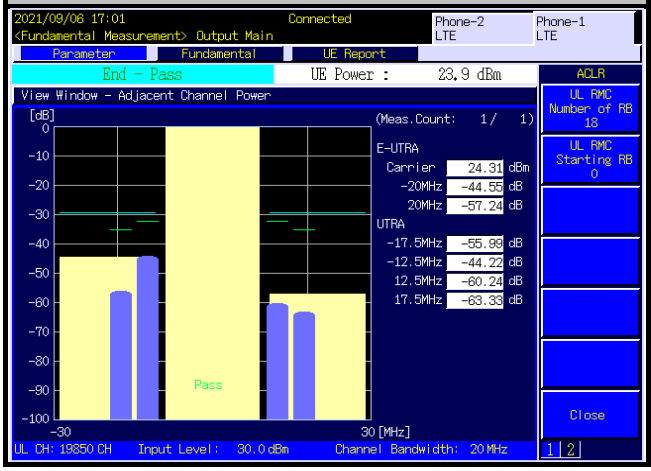
Ch19575



Ch19850

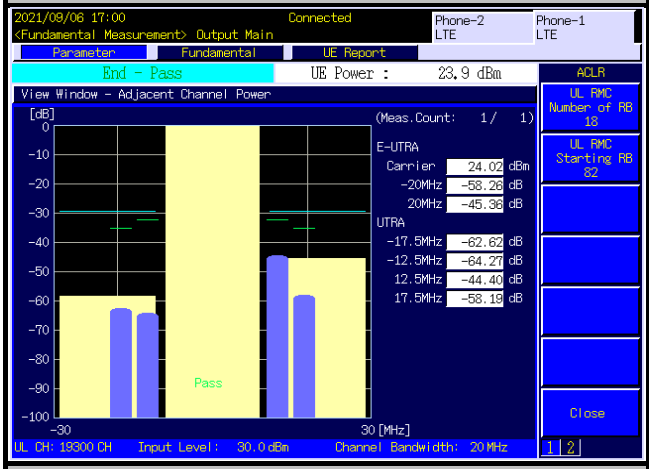


Bandwidth: 20 MHz / QPSK (18 RB / 0 RB Offset)

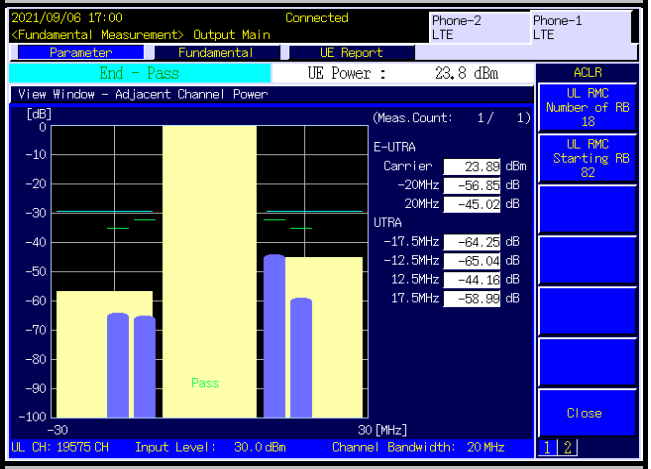
Ch19300	Ch19575
	
Ch19850	
	

Bandwidth: 20 MHz / QPSK (18 RB / 82 RB Offset)

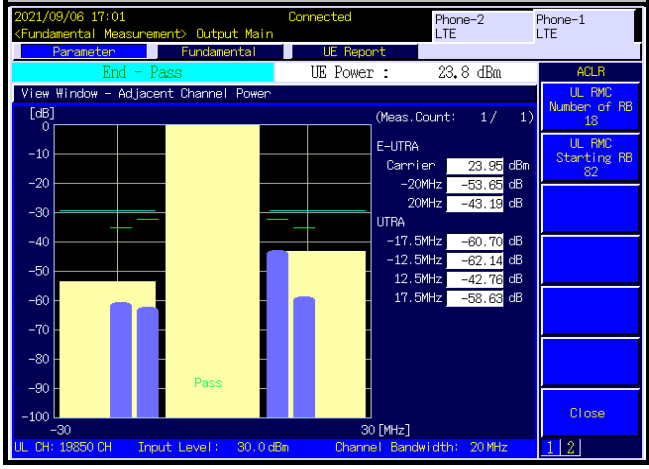
Ch19300



Ch19575

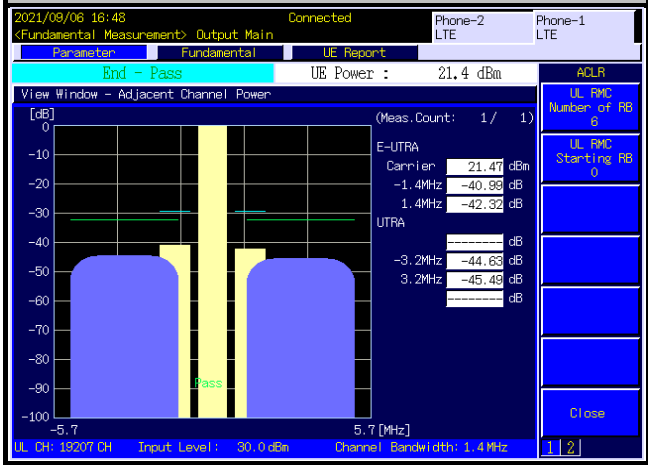
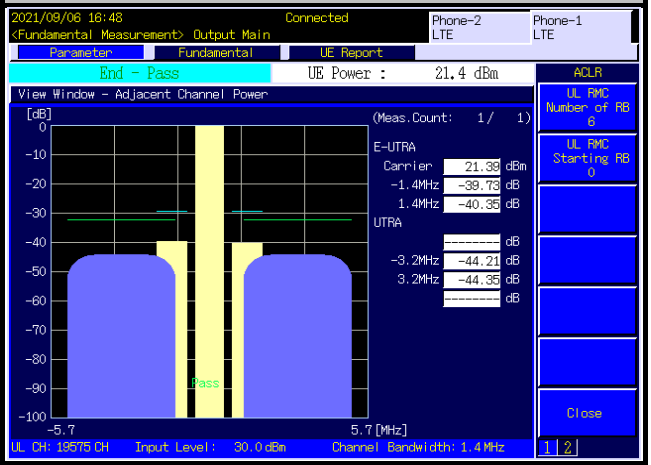


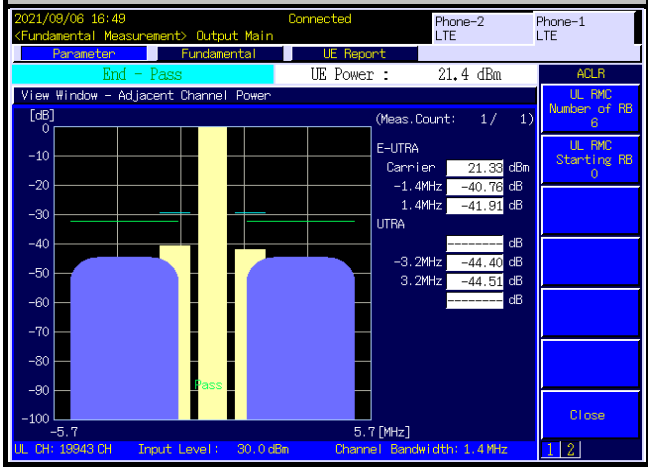
Ch19850



Bandwidth	Modulation	RB	Offset	Channel	ACLR (dB)	Min. Limit (dB)	Pass / Fail
1.4 MHz	16QAM	6	0	19207	-40.99	-29.2	Pass
				19575	-39.73	-29.2	Pass
				19943	-40.76	-29.2	Pass
		5	0	19207	-41.41	-29.2	Pass
				19575	-40.86	-29.2	Pass
				19943	-40.82	-29.2	Pass
		5	1	19207	-42.20	-29.2	Pass
				19575	-41.02	-29.2	Pass
				19943	-40.86	-29.2	Pass
5 MHz	16QAM	25	0	19225	-37.99	-29.2	Pass
				19575	-38.46	-29.2	Pass
				19925	-40.02	-29.2	Pass
		8	0	19225	-40.76	-29.2	Pass
				19575	-40.67	-29.2	Pass
				19925	-41.77	-29.2	Pass
		8	17	19225	-41.00	-29.2	Pass
				19575	-40.99	-29.2	Pass
				19925	-40.69	-29.2	Pass
10 MHz	16QAM	50	0	19250	-37.54	-29.2	Pass
				19575	-38.49	-29.2	Pass
				19900	-39.97	-29.2	Pass
		12	0	19250	-41.96	-29.2	Pass
				19575	-43.36	-29.2	Pass
				19900	-42.75	-29.2	Pass
		12	38	19250	-42.11	-29.2	Pass
				19575	-42.57	-29.2	Pass
				19900	-42.38	-29.2	Pass
20 MHz	16QAM	100	0	19300	-39.93	-29.2	Pass
				19575	-40.36	-29.2	Pass
				19850	-39.56	-29.2	Pass
		18	0	19300	-43.43	-29.2	Pass
				19575	-44.77	-29.2	Pass
				19850	-44.94	-29.2	Pass
		18	82	19300	-44.95	-29.2	Pass
				19575	-45.43	-29.2	Pass
				19850	-43.82	-29.2	Pass

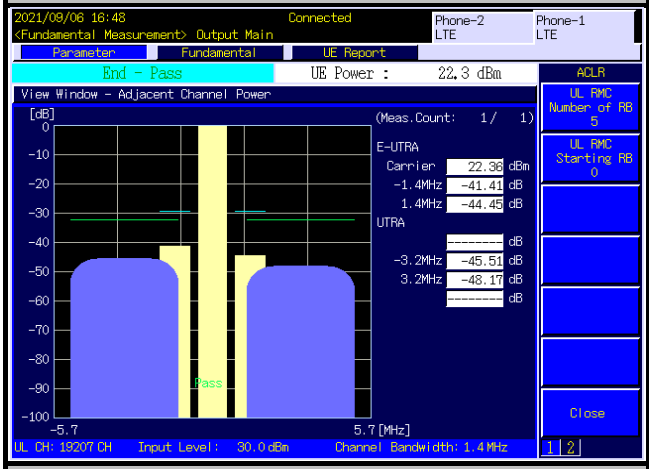
Bandwidth: 1.4 MHz / 16QAM (6 RB / 0 RB Offset)

Ch19207	Ch19575
	

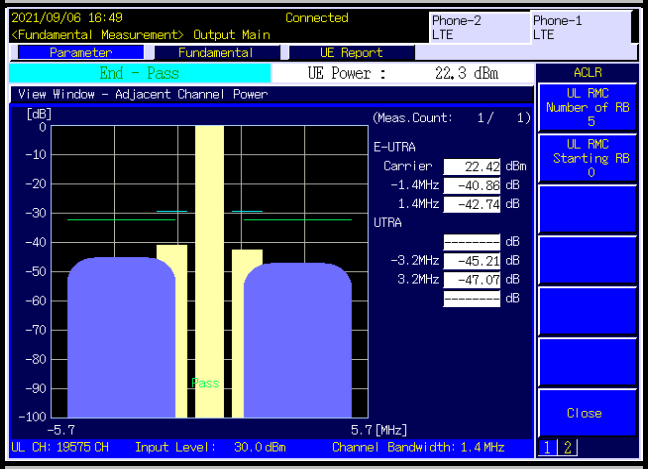
Ch19943	
	

Bandwidth: 1.4 MHz / 16QAM (5 RB / 0 RB Offset)

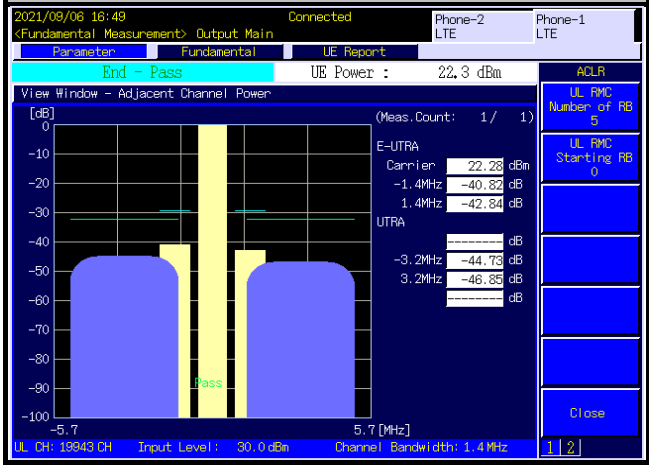
Ch19207



Ch19575

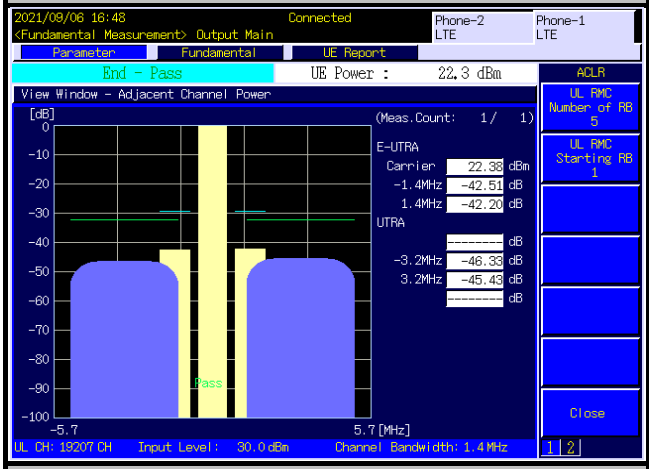


Ch19943

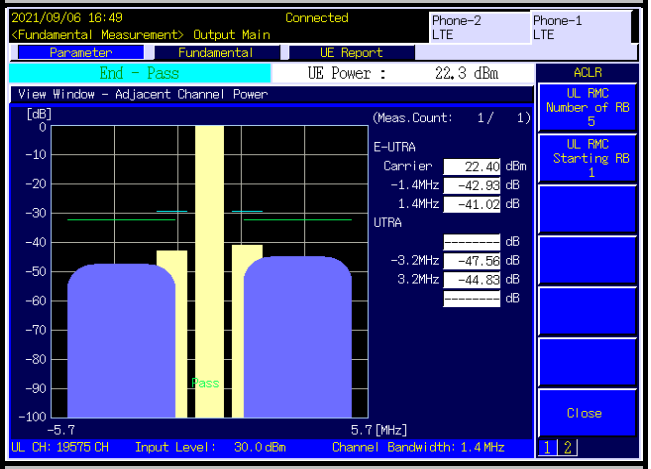


Bandwidth: 1.4 MHz / 16QAM (5 RB / 1 RB Offset)

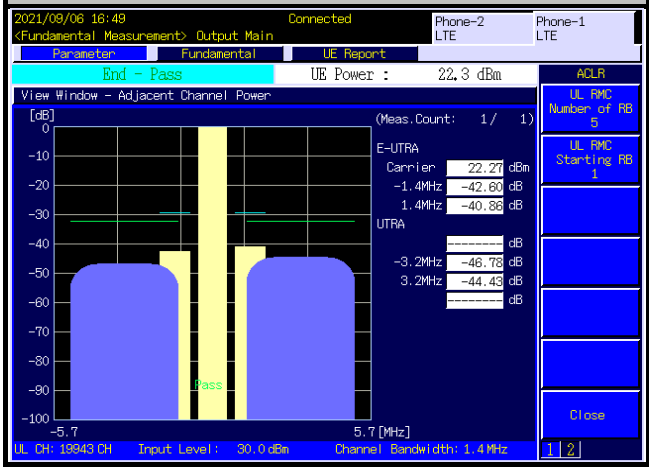
Ch19207



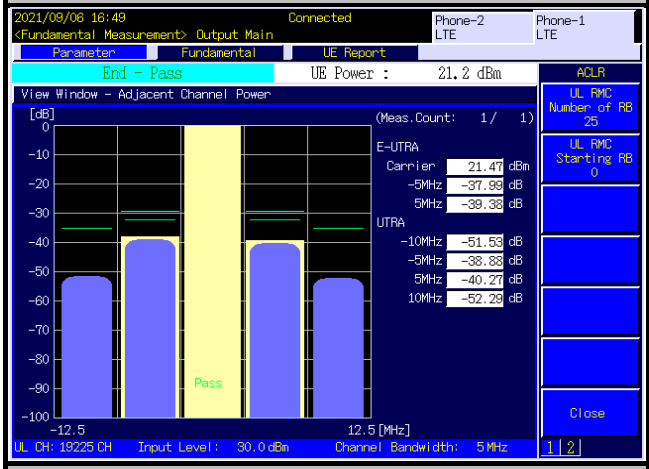
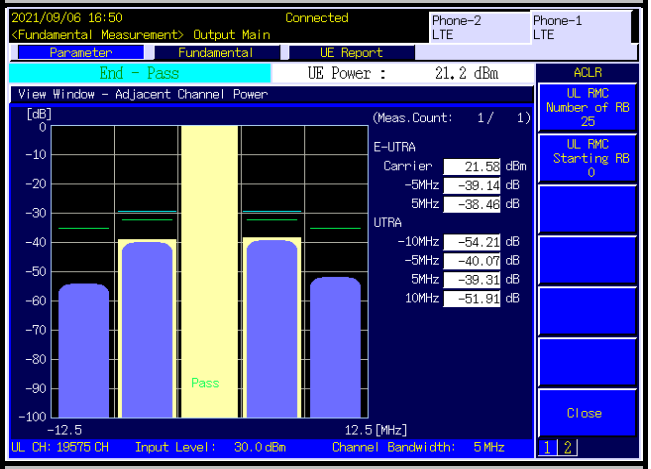
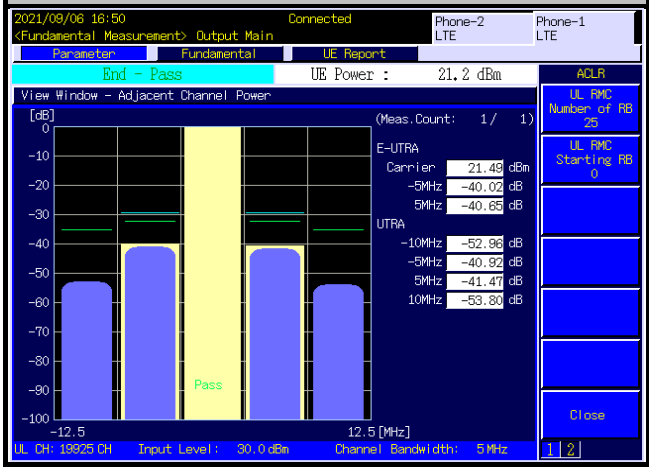
Ch19575



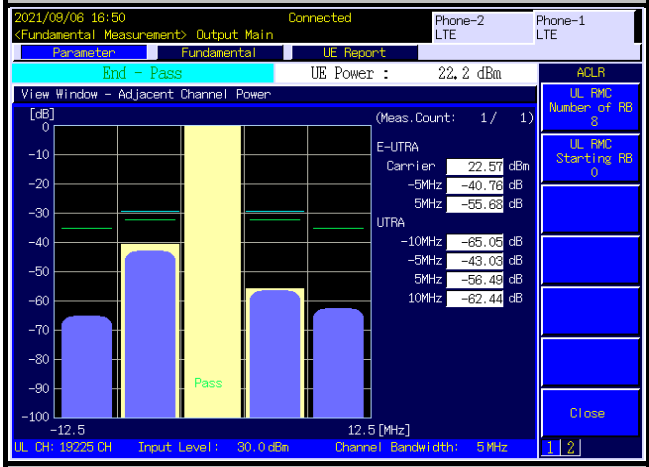
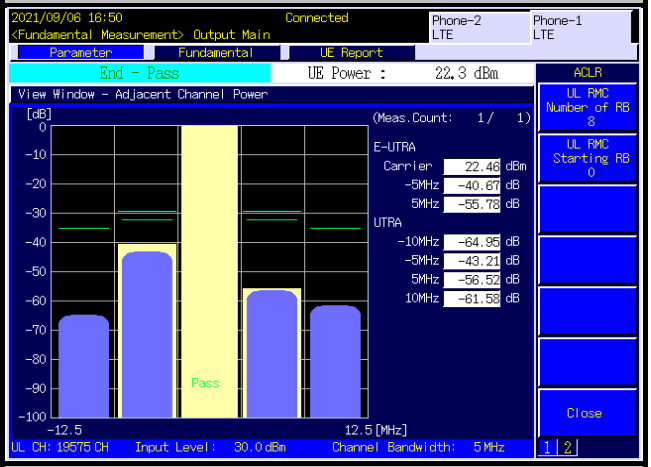
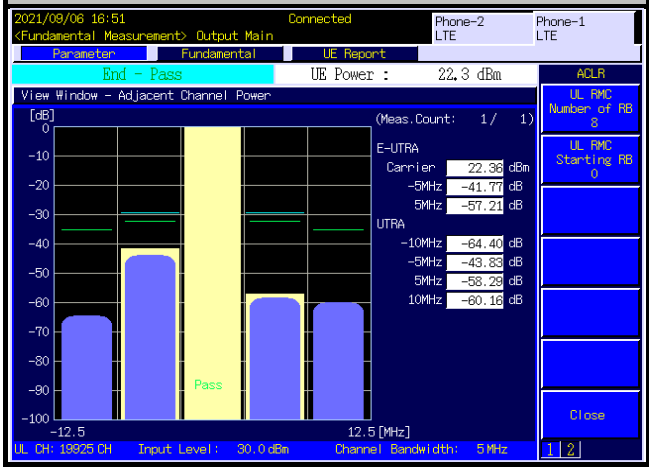
Ch19943



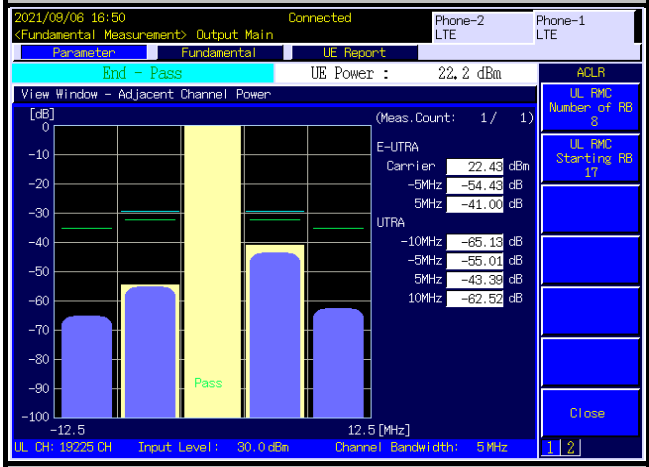
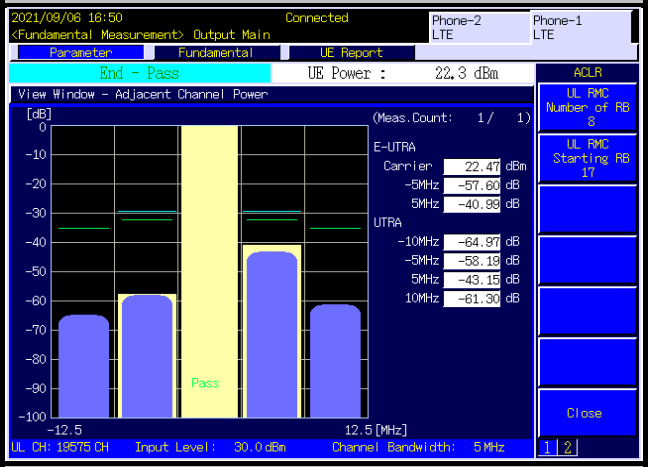
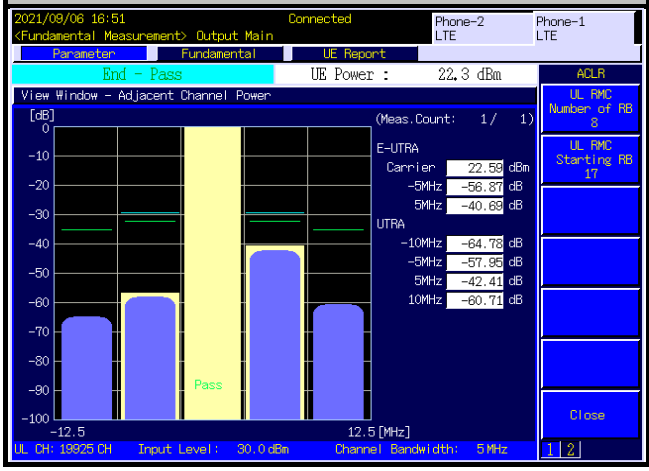
Bandwidth: 5 MHz / 16QAM (25 RB / 0 RB Offset)

Ch19225	Ch19575
	
Ch19925	
	

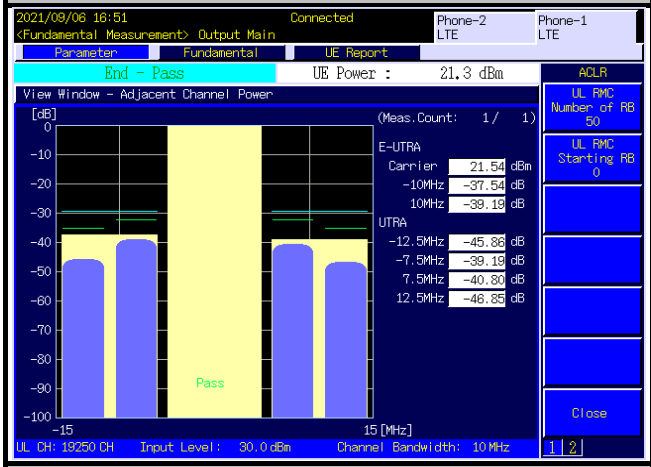
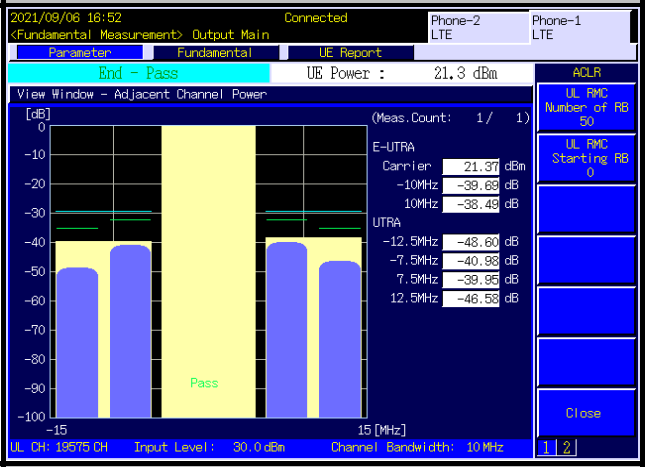
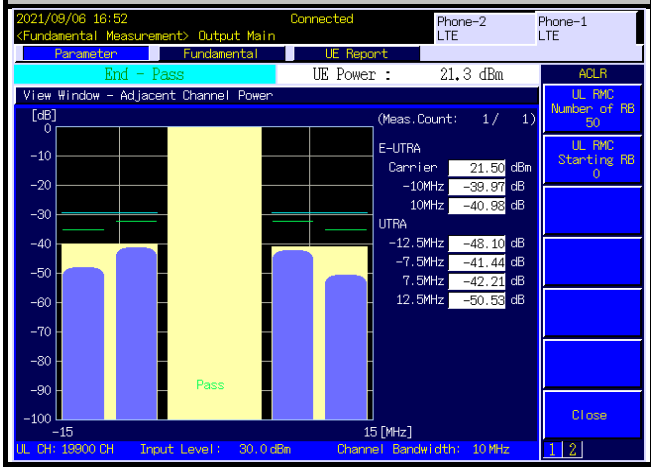
Bandwidth: 5 MHz / 16QAM (8 RB / 0 RB Offset)

Ch19225	Ch19575
	
Ch19925	
	

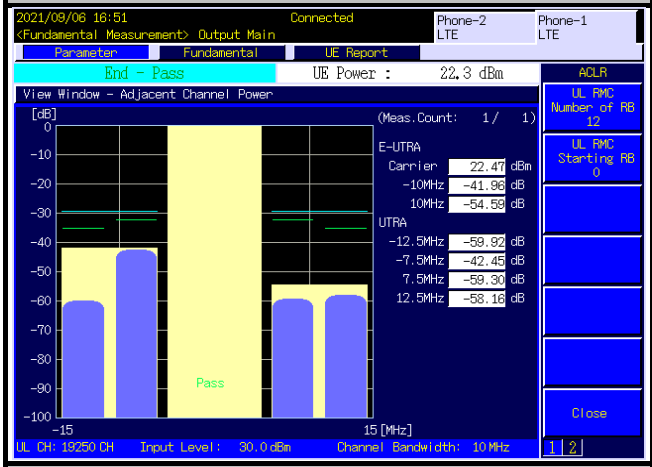
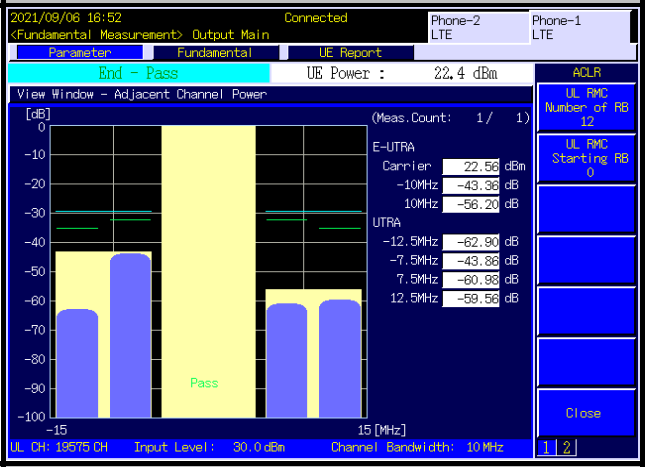
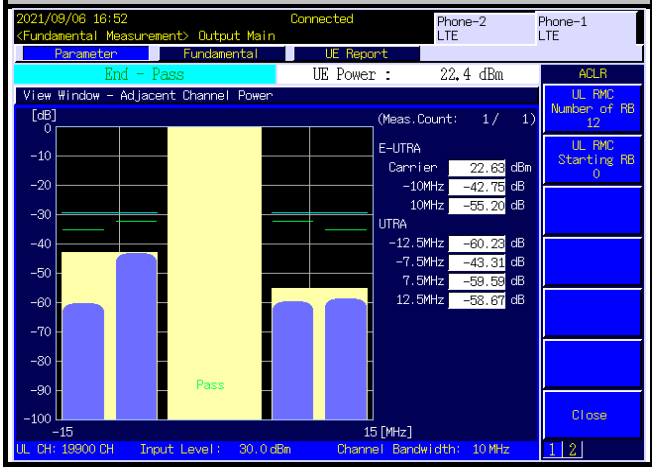
Bandwidth: 5 MHz / 16QAM (8 RB / 17 RB Offset)

Ch19225	Ch19575
	
Ch19925	
	

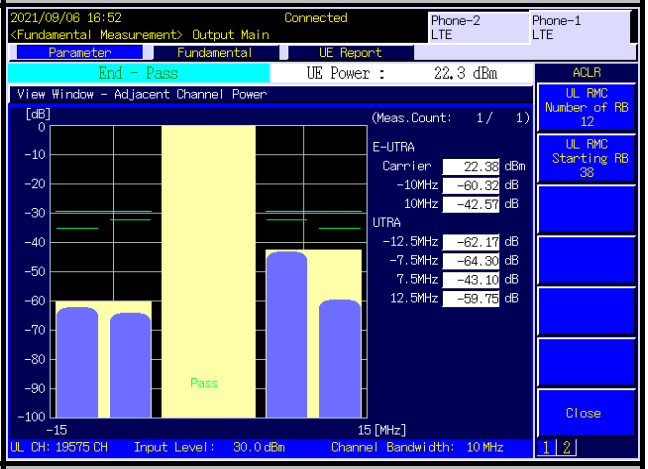
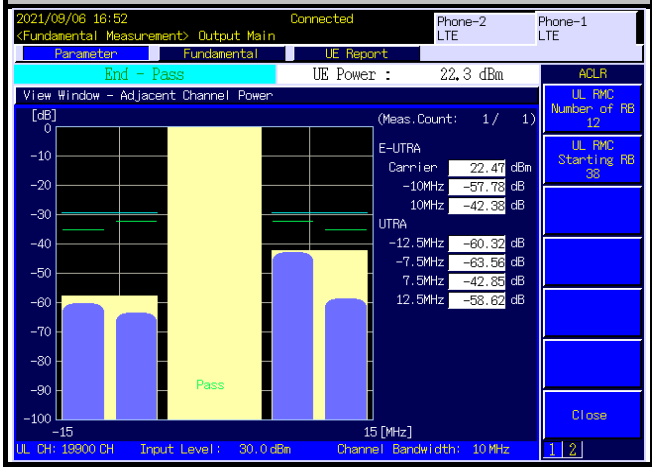
Bandwidth: 10 MHz / 16QAM (50 RB / 0 RB Offset)

Ch19250	Ch19575
	
Ch19900	
	

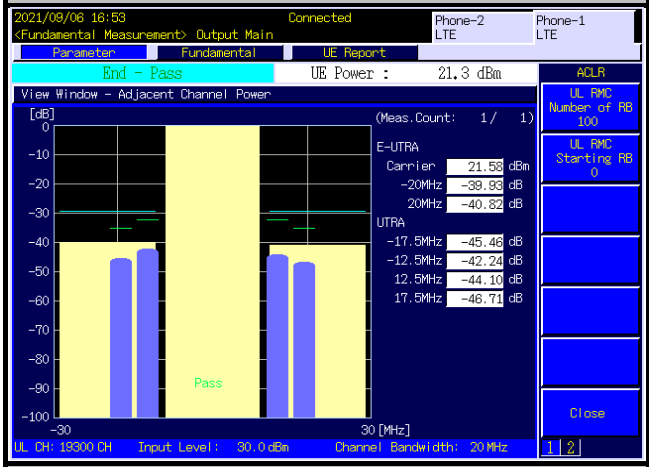
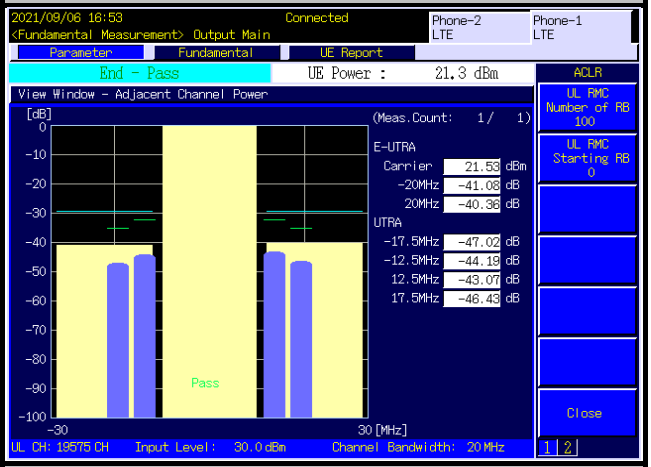
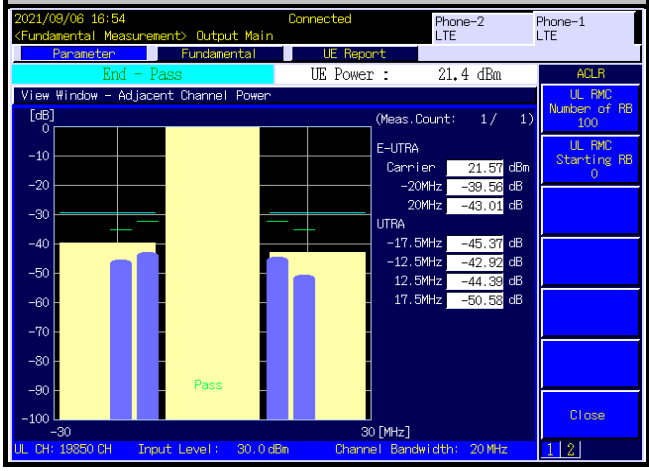
Bandwidth: 10 MHz / 16QAM (12 RB / 0 RB Offset)

Ch19250	Ch19575
	
Ch19900	
	

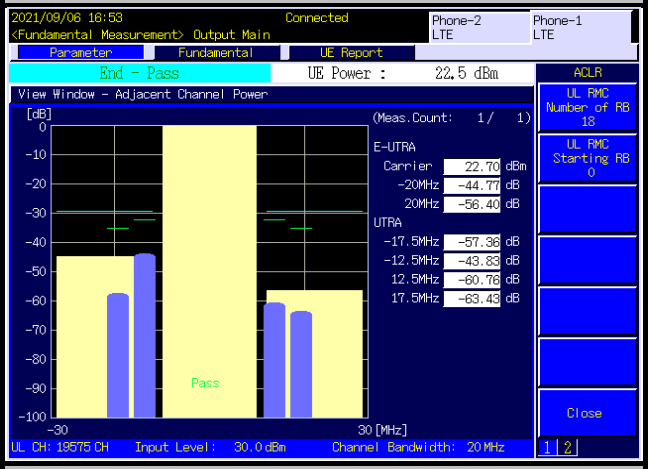
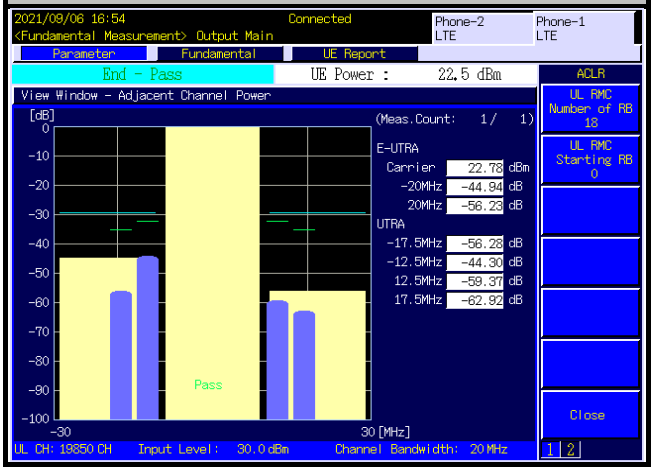
Bandwidth: 10 MHz / 16QAM (12 RB / 38 RB Offset)

Ch19250	Ch19575
	
Ch19900	
	

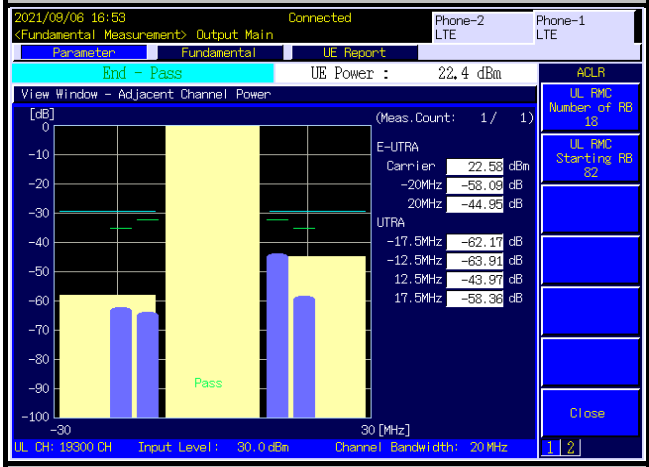
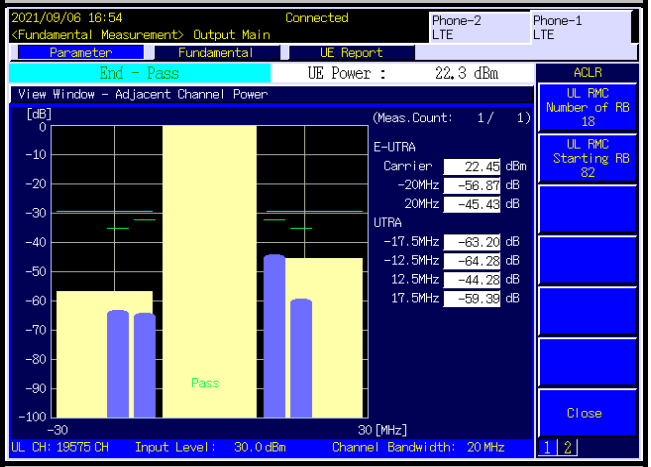
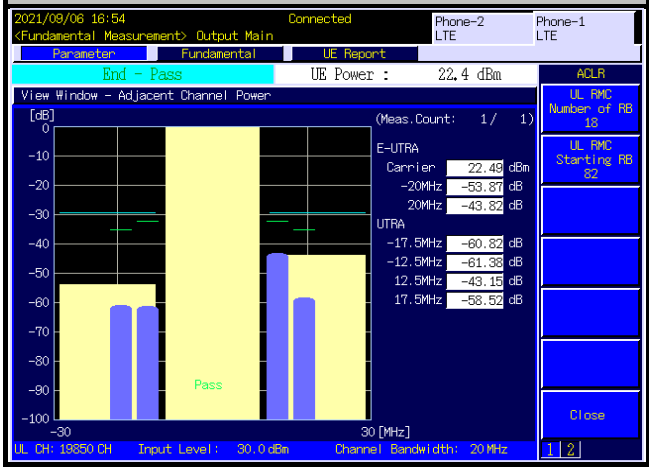
Bandwidth: 20 MHz / 16QAM (100 RB / 0 RB Offset)

Ch19300	Ch19575
	
Ch19850	
	

Bandwidth: 20 MHz / 16QAM (18 RB / 0 RB Offset)

Ch19300	Ch19575
	
Ch19850	
	

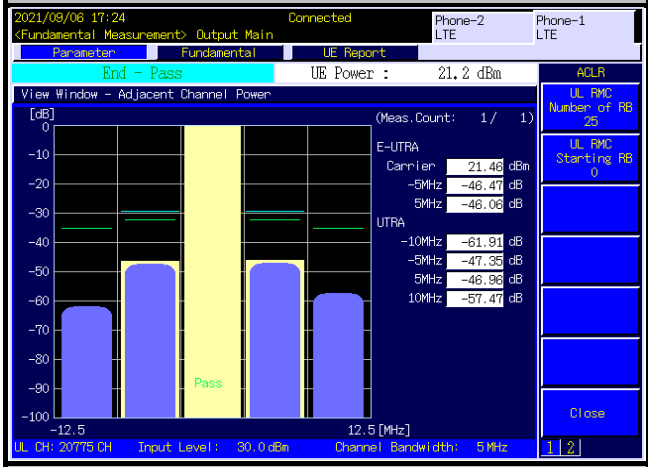
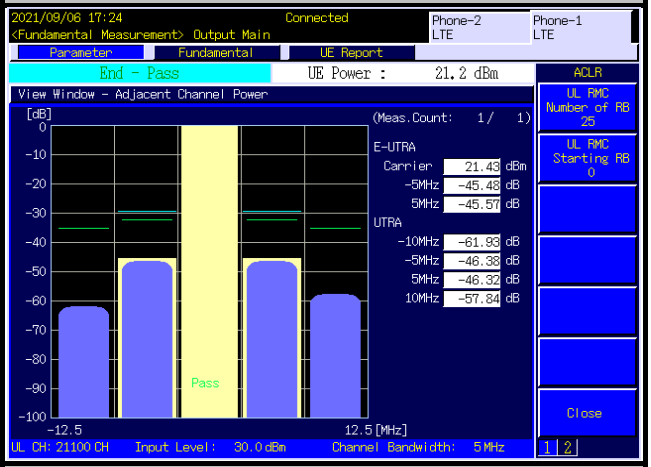
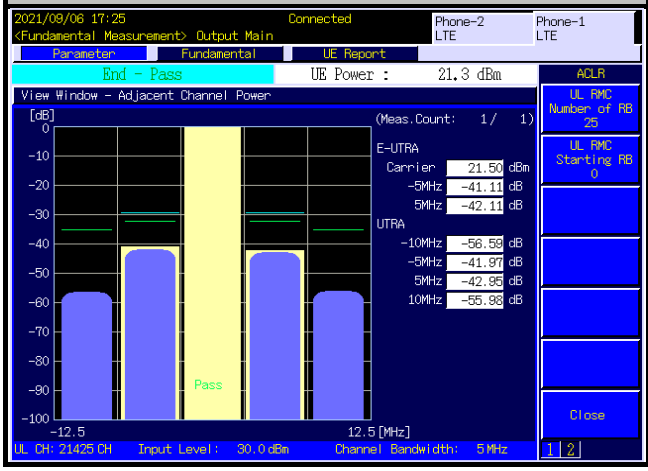
Bandwidth: 20 MHz / 16QAM (18 RB / 82 RB Offset)

Ch19300	Ch19575
	
Ch19850	
	

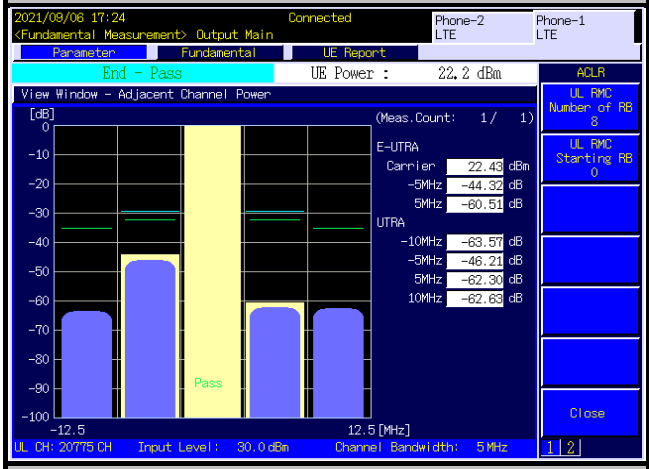
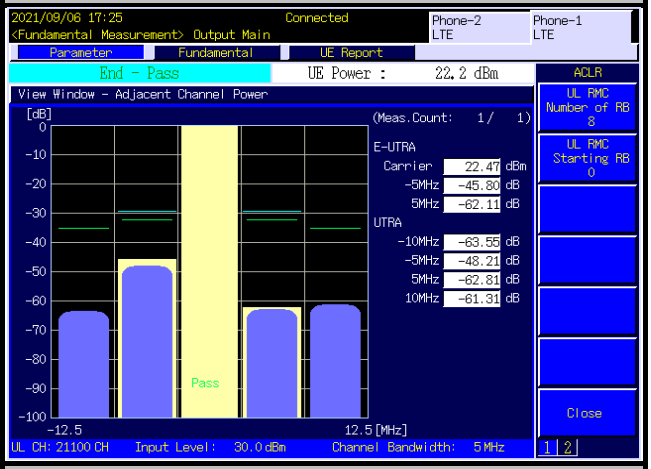
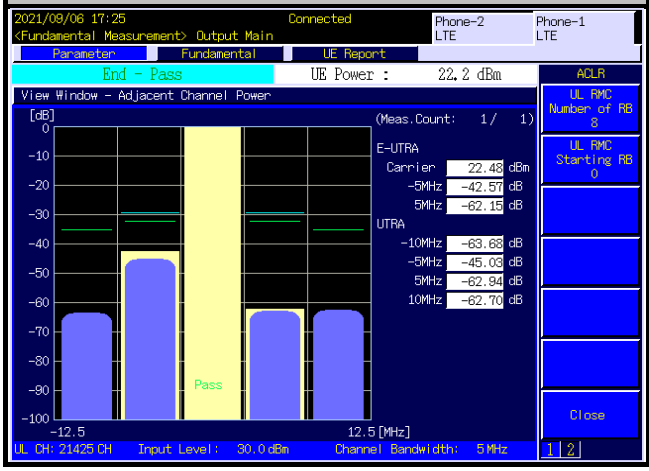
LTE Band 7

Bandwidth	Modulation	RB	Offset	Channel	ACLR (dB)	Min. Limit (dB)	Pass / Fail
5 MHz	QPSK	25	0	20775	-46.06	-29.2	Pass
				21100	-45.48	-29.2	Pass
				21425	-41.11	-29.2	Pass
		8	0	20775	-44.32	-29.2	Pass
				21100	-45.80	-29.2	Pass
				21425	-42.57	-29.2	Pass
		8	17	20775	-42.16	-29.2	Pass
				21100	-47.93	-29.2	Pass
				21425	-44.48	-29.2	Pass
10 MHz	QPSK	50	0	20800	-45.67	-29.2	Pass
				21100	-44.72	-29.2	Pass
				21400	-40.86	-29.2	Pass
		12	0	20800	-44.88	-29.2	Pass
				21100	-45.47	-29.2	Pass
				21400	-43.61	-29.2	Pass
		12	38	20800	-45.69	-29.2	Pass
				21100	-47.76	-29.2	Pass
				21400	-44.46	-29.2	Pass
20 MHz	QPSK	100	0	20850	-44.67	-29.2	Pass
				21100	-43.20	-29.2	Pass
				21350	-40.67	-29.2	Pass
		18	0	20850	-47.33	-29.2	Pass
				21100	-49.02	-29.2	Pass
				21350	-48.08	-29.2	Pass
		18	82	20850	-49.21	-29.2	Pass
				21100	-50.18	-29.2	Pass
				21350	-47.29	-29.2	Pass

Bandwidth: 5 MHz / QPSK (25 RB / 0 RB Offset)

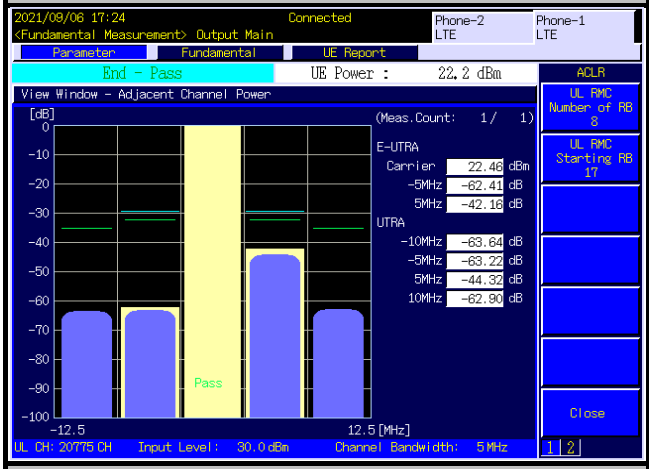
Ch20775	Ch21100
	
Ch21425	
	

Bandwidth: 5 MHz / QPSK (8 RB / 0 RB Offset)

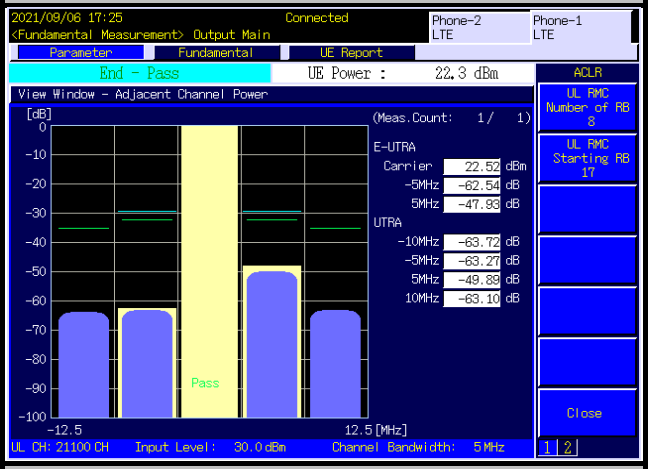
Ch20775	Ch21100
	
Ch21425	
	

Bandwidth: 5 MHz / QPSK (8 RB / 17 RB Offset)

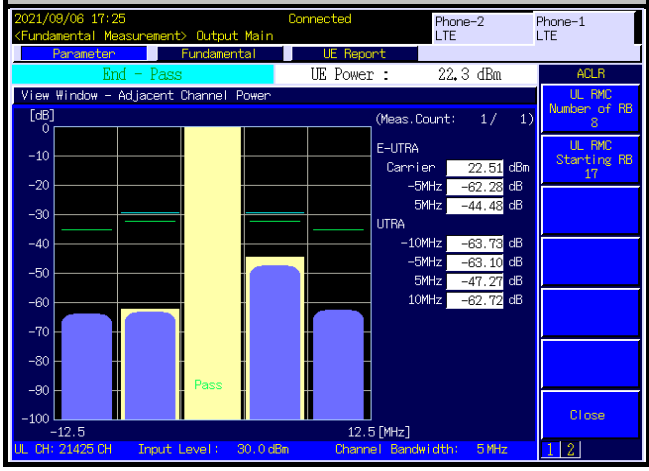
Ch20775



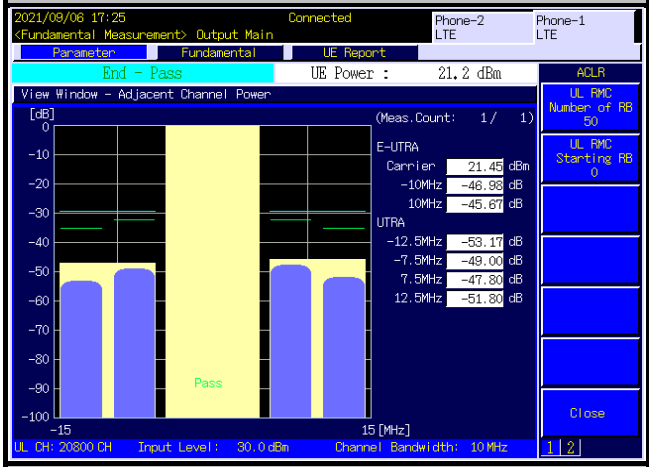
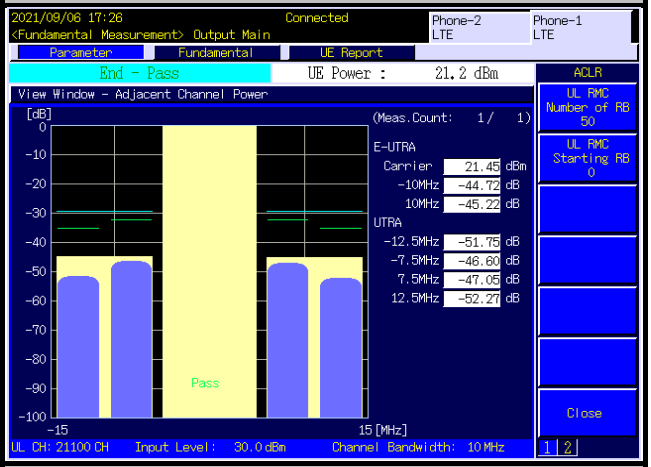
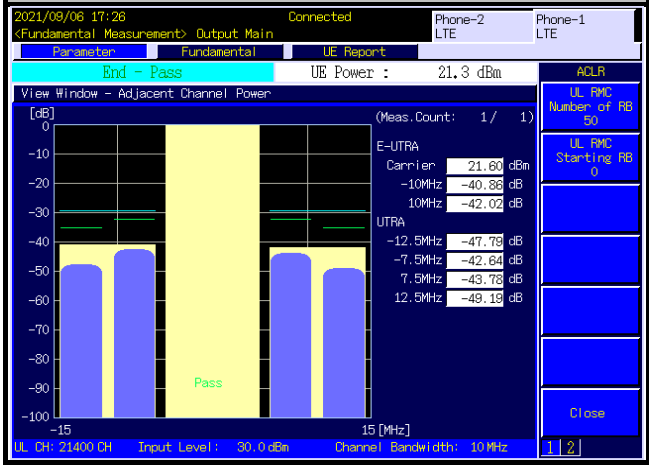
Ch21100



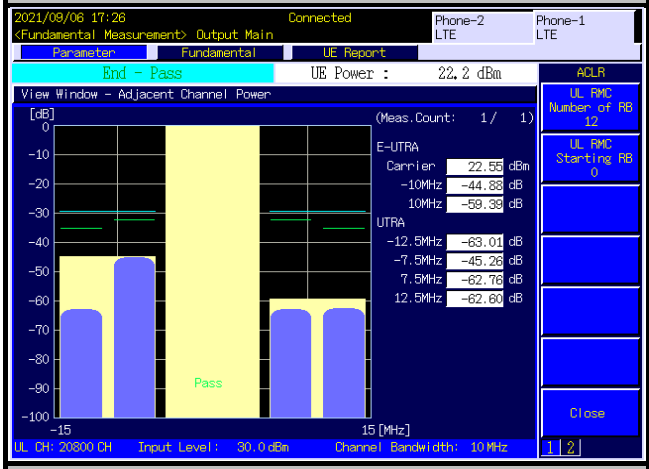
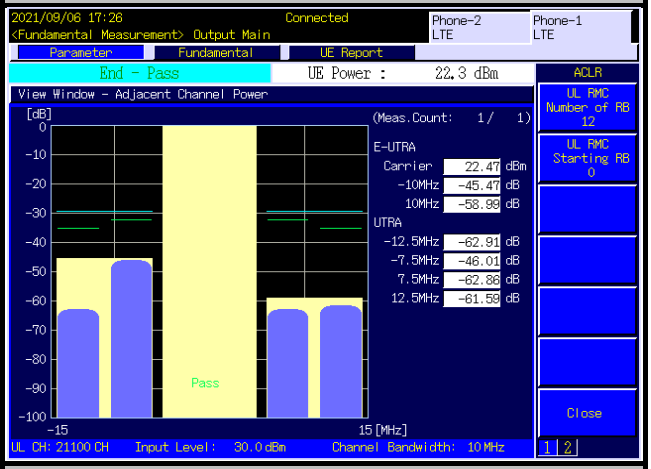
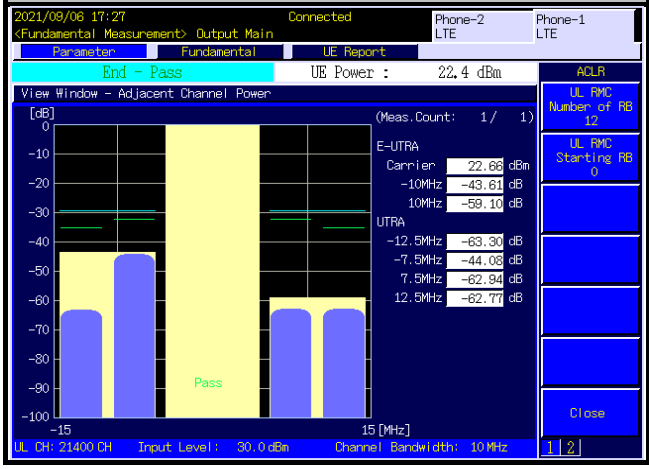
Ch21425



Bandwidth: 10 MHz / QPSK (50 RB / 0 RB Offset)

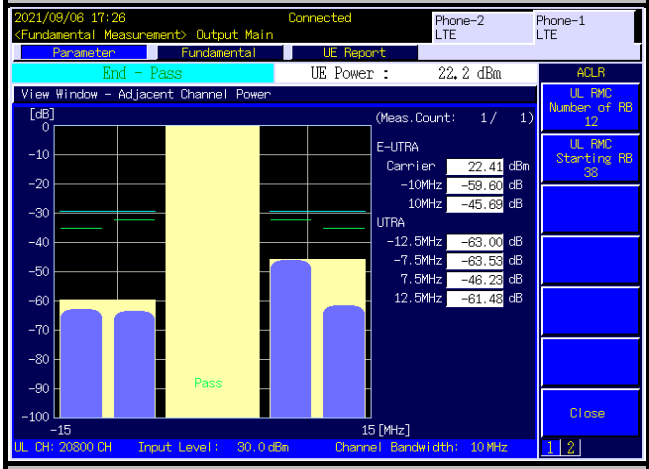
Ch20800	Ch21100
	
Ch21400	
	

Bandwidth: 10 MHz / QPSK (12 RB / 0 RB Offset)

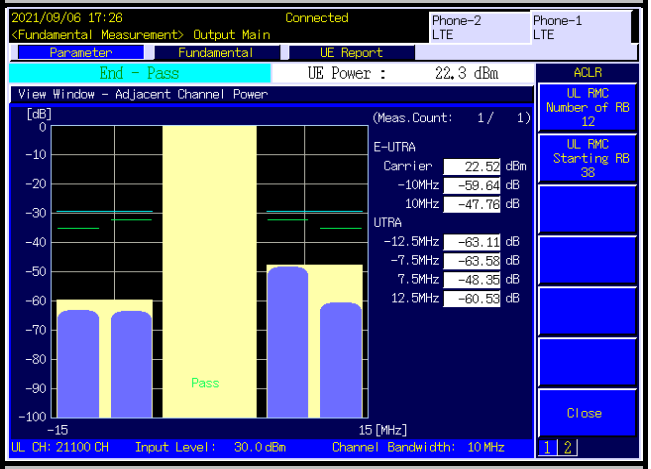
Ch20800	Ch21100
	
Ch21400	
	

Bandwidth: 10 MHz / QPSK (12 RB / 38 RB Offset)

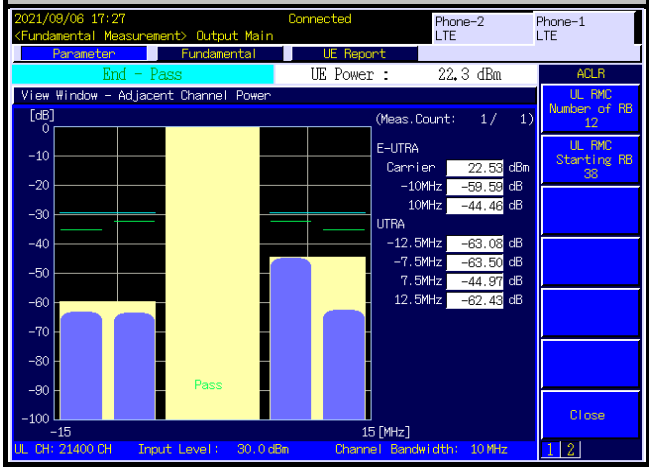
Ch20800



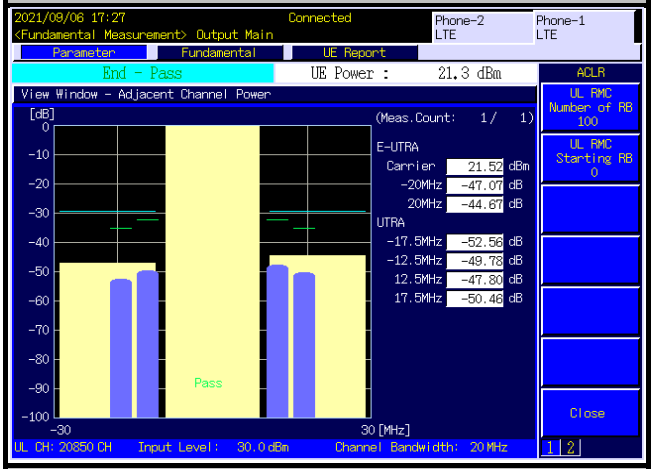
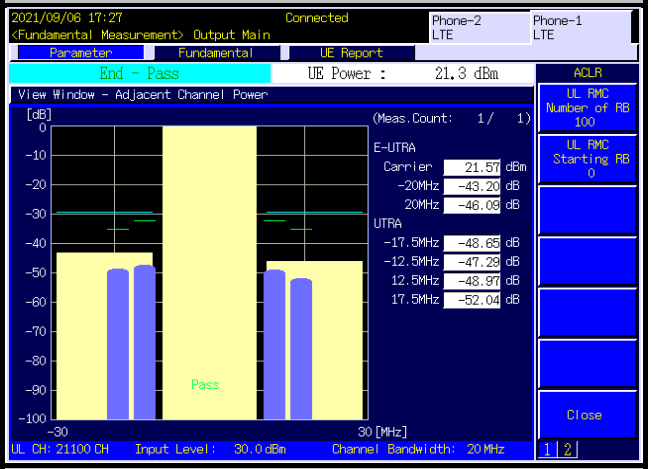
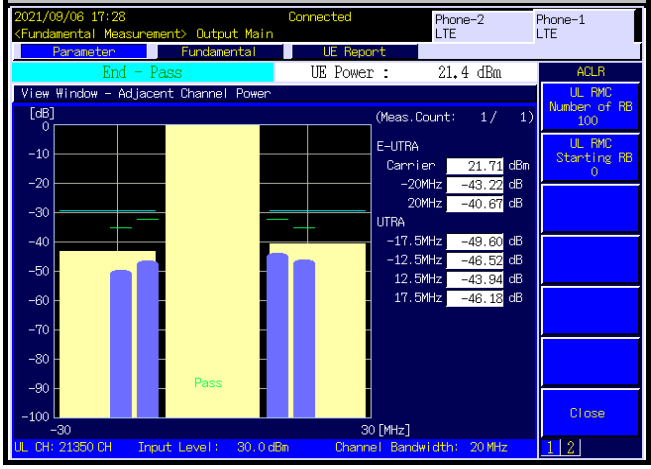
Ch21100



Ch21400

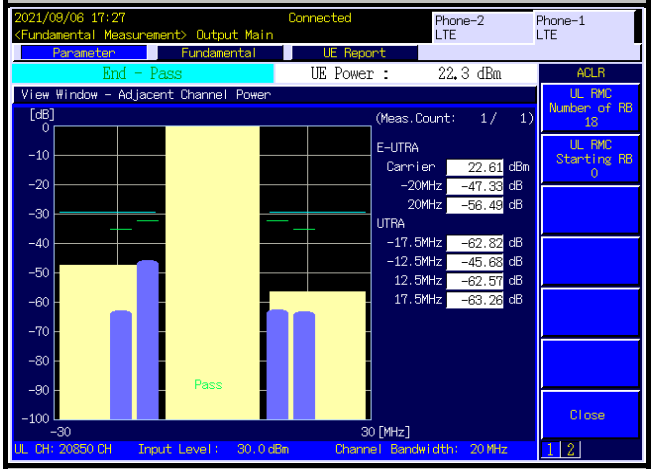


Bandwidth: 20 MHz / QPSK (100 RB / 0 RB Offset)

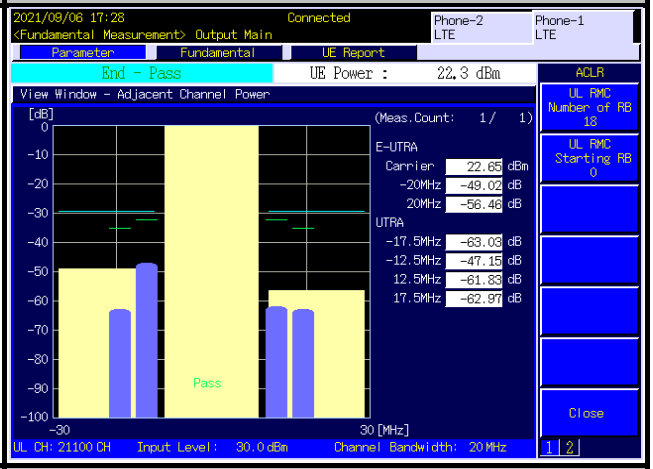
Ch20850	Ch21100
	
Ch21350	
	

Bandwidth: 20 MHz / QPSK (18 RB / 0 RB Offset)

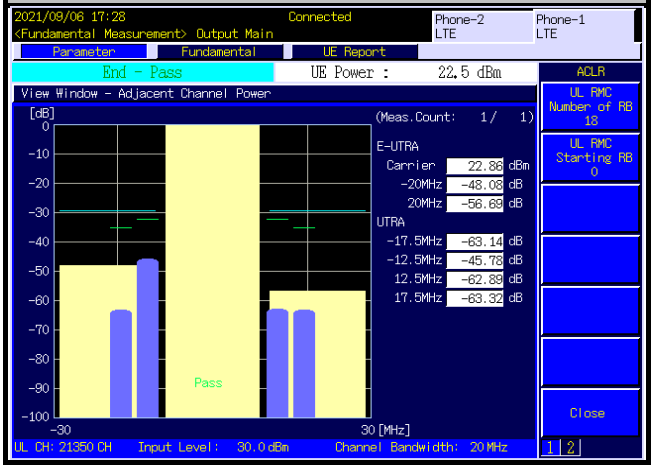
Ch20850



Ch21100

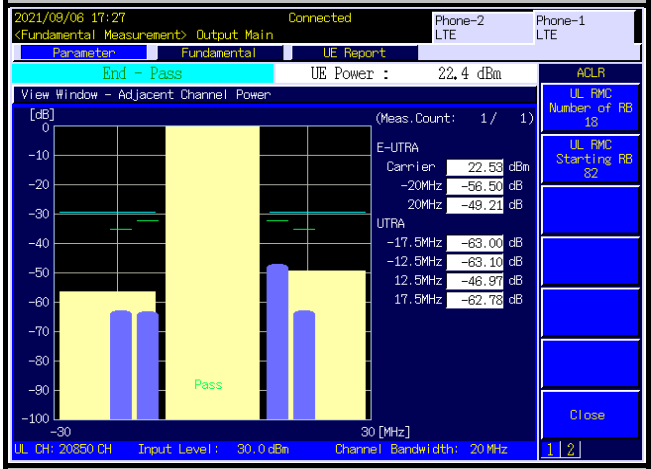


Ch21350

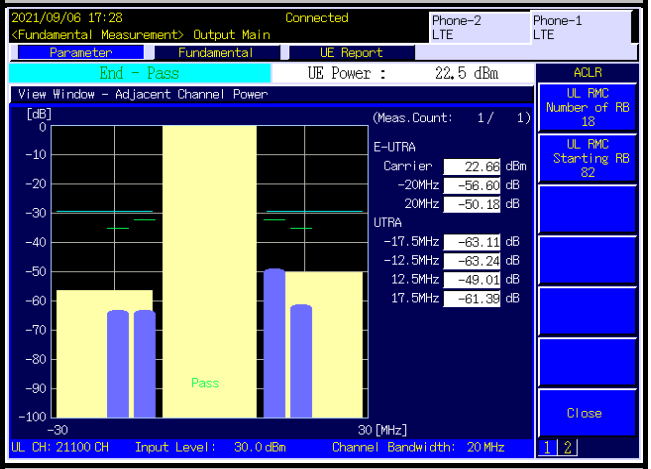


Bandwidth: 20 MHz / QPSK (18 RB / 82 RB Offset)

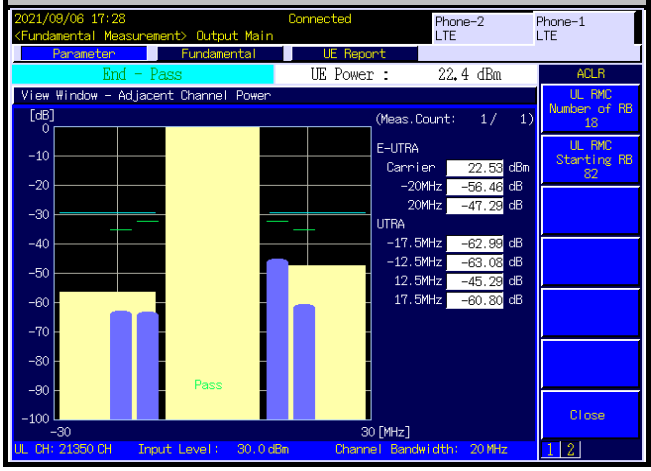
Ch20850



Ch21100

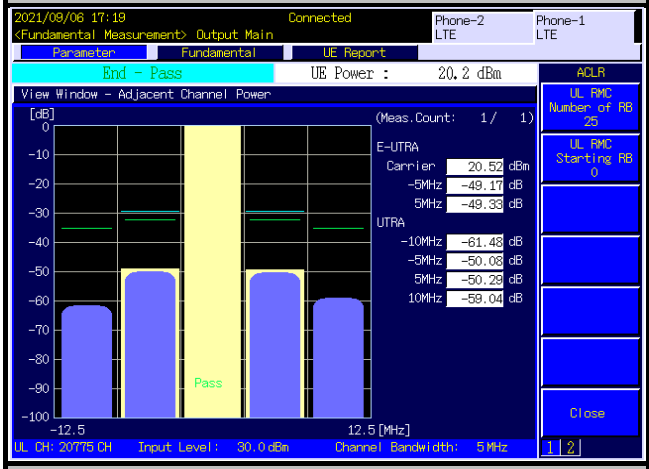
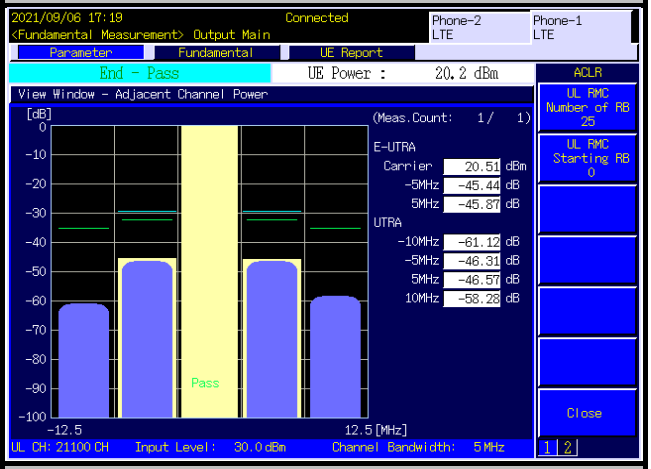
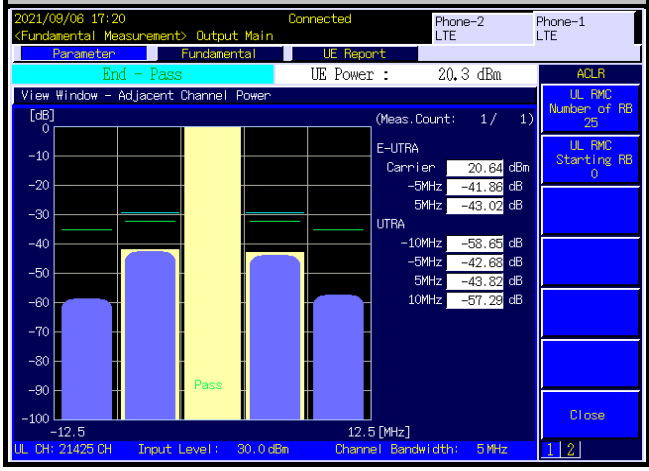


Ch21350

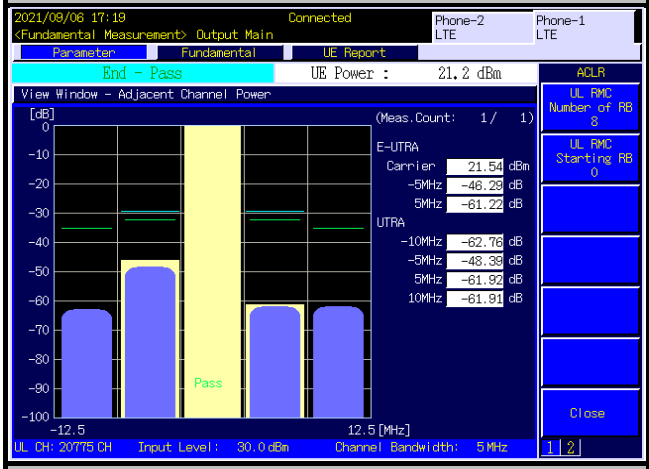
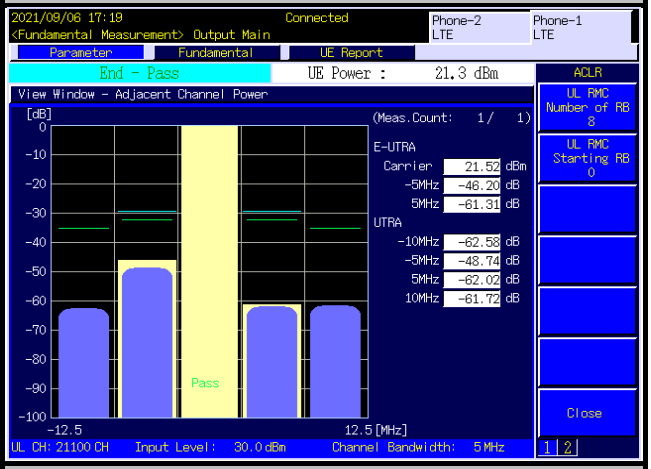
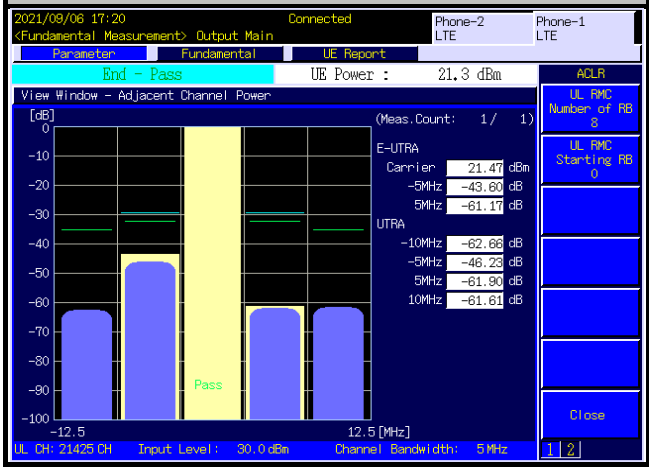


Bandwidth	Modulation	RB	Offset	Channel	ACLR (dB)	Min. Limit (dB)	Pass / Fail
5 MHz	16QAM	25	0	20775	-49.17	-29.2	Pass
				21100	-45.44	-29.2	Pass
				21425	-41.86	-29.2	Pass
		8	0	20775	-46.29	-29.2	Pass
				21100	-46.20	-29.2	Pass
				21425	-43.60	-29.2	Pass
		8	17	20775	-45.06	-29.2	Pass
				21100	-49.80	-29.2	Pass
				21425	-45.48	-29.2	Pass
10 MHz	16QAM	50	0	20800	-47.56	-29.2	Pass
				21100	-45.79	-29.2	Pass
				21400	-41.89	-29.2	Pass
		12	0	20800	-46.70	-29.2	Pass
				21100	-47.14	-29.2	Pass
				21400	-44.04	-29.2	Pass
		12	38	20800	-47.42	-29.2	Pass
				21100	-48.70	-29.2	Pass
				21400	-46.08	-29.2	Pass
20 MHz	16QAM	100	0	20850	-45.90	-29.2	Pass
				21100	-44.63	-29.2	Pass
				21350	-40.81	-29.2	Pass
		18	0	20850	-49.18	-29.2	Pass
				21100	-50.66	-29.2	Pass
				21350	-49.01	-29.2	Pass
		18	82	20850	-49.65	-29.2	Pass
				21100	-51.45	-29.2	Pass
				21350	-48.89	-29.2	Pass

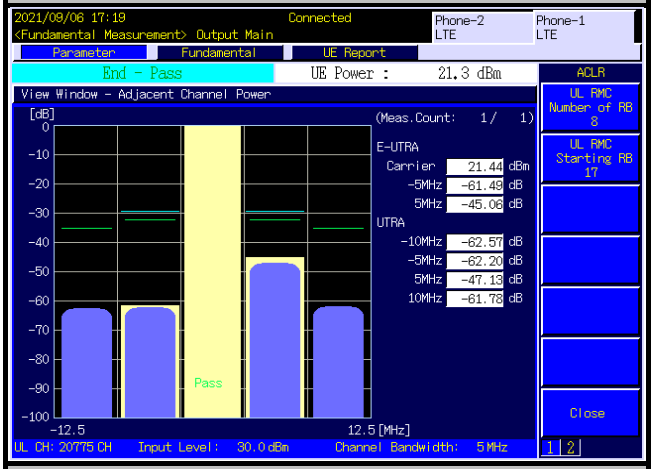
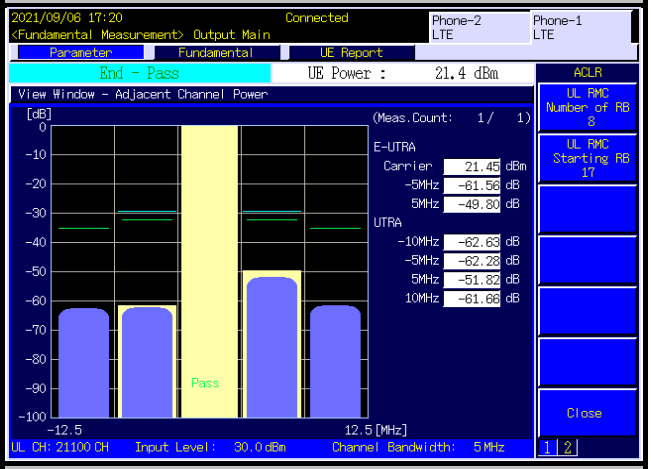
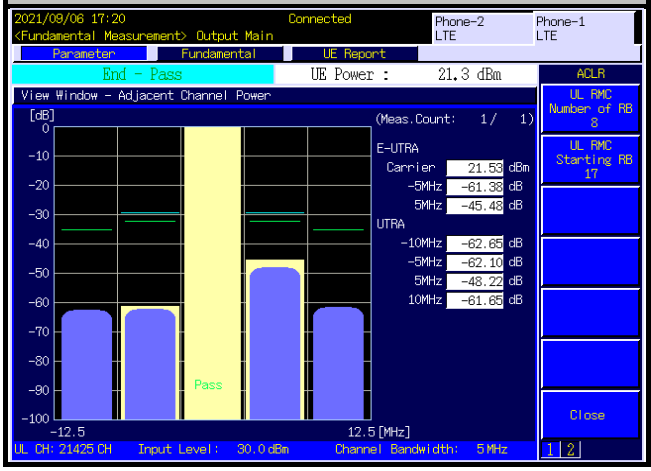
Bandwidth: 5 MHz / 16QAM (25 RB / 0 RB Offset)

Ch20775	Ch21100
	
Ch21425	
	

Bandwidth: 5 MHz / 16QAM (8 RB / 0 RB Offset)

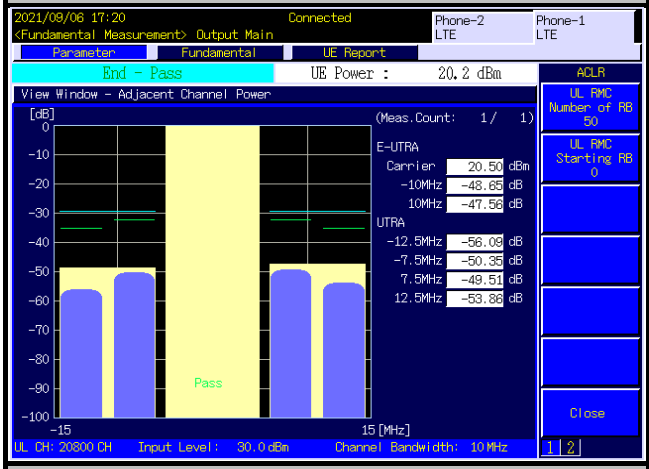
Ch20775	Ch21100
	
Ch21425	
	

Bandwidth: 5 MHz / 16QAM (8 RB / 17 RB Offset)

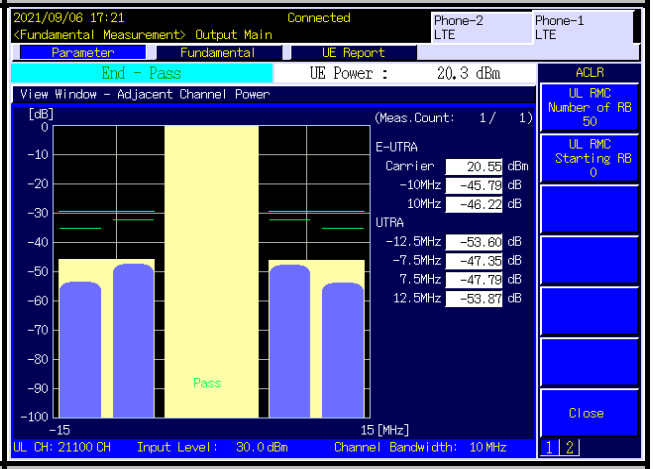
Ch20775	Ch21100
	
Ch21425	
	

Bandwidth: 10 MHz / 16QAM (50 RB / 0 RB Offset)

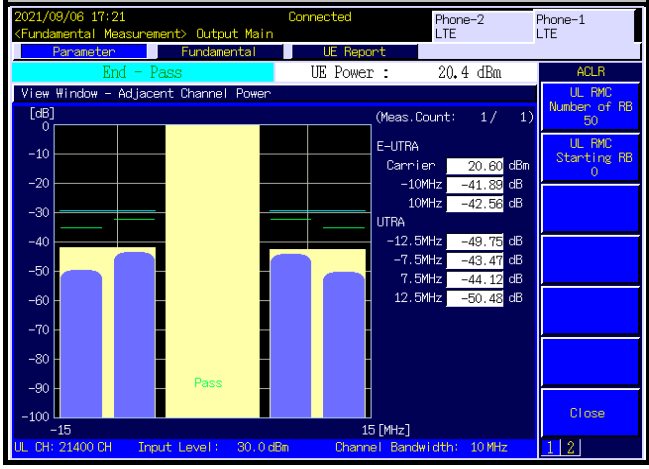
Ch20800



Ch21100

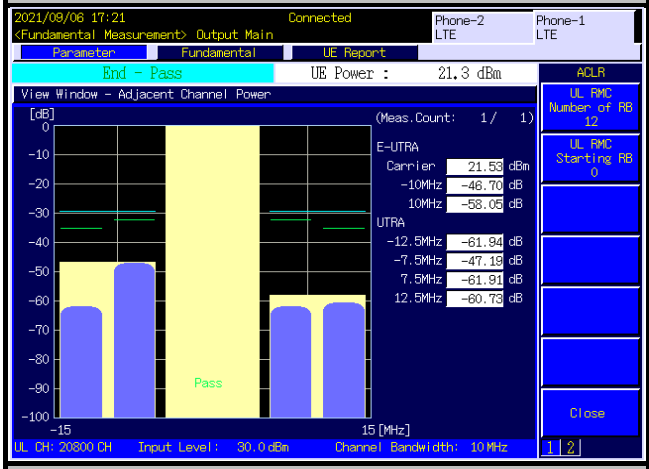


Ch21400

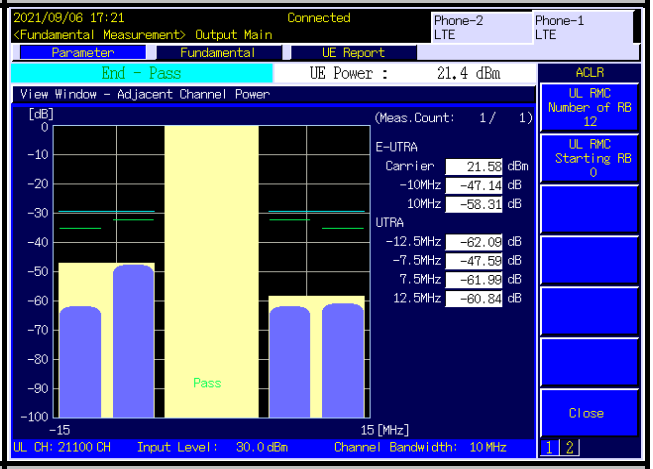


Bandwidth: 10 MHz / 16QAM (12 RB / 0 RB Offset)

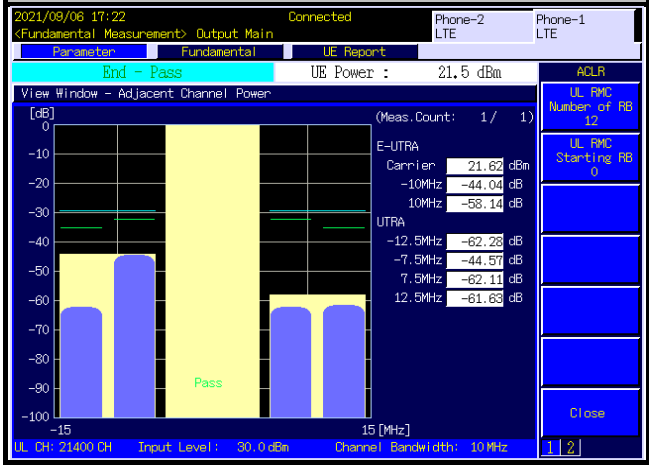
Ch20800



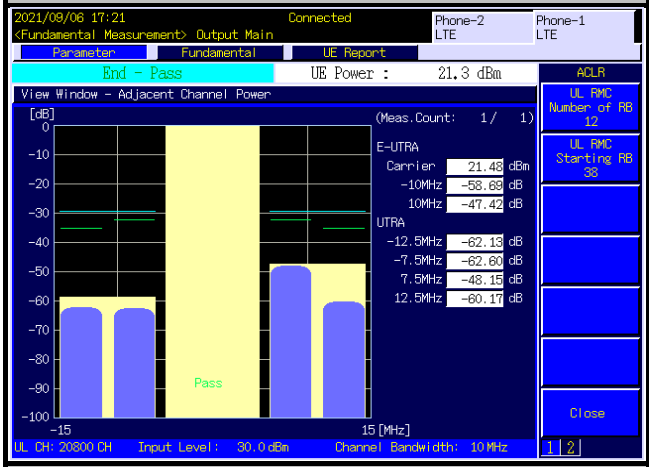
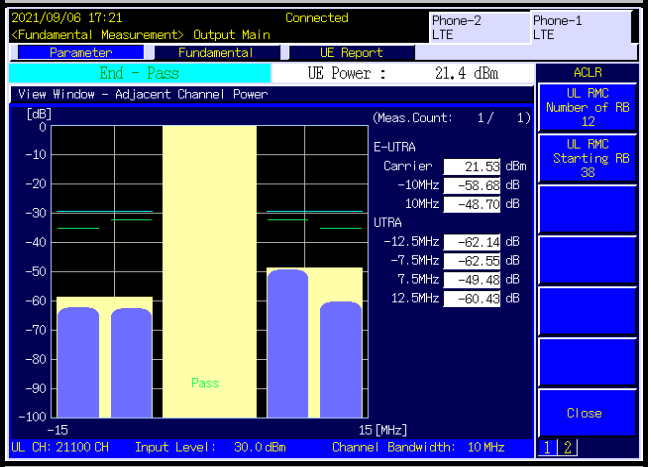
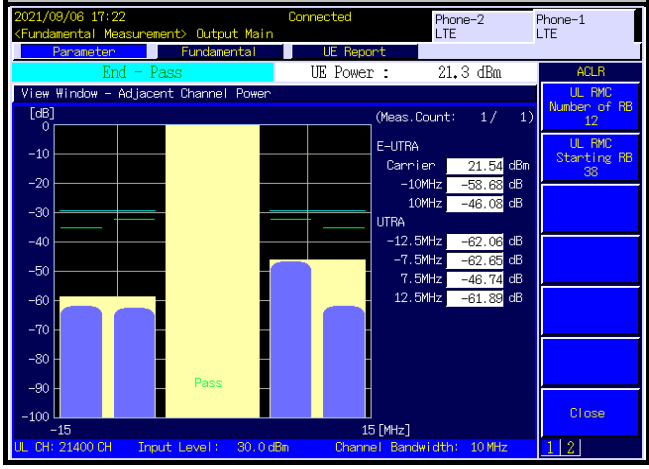
Ch21100



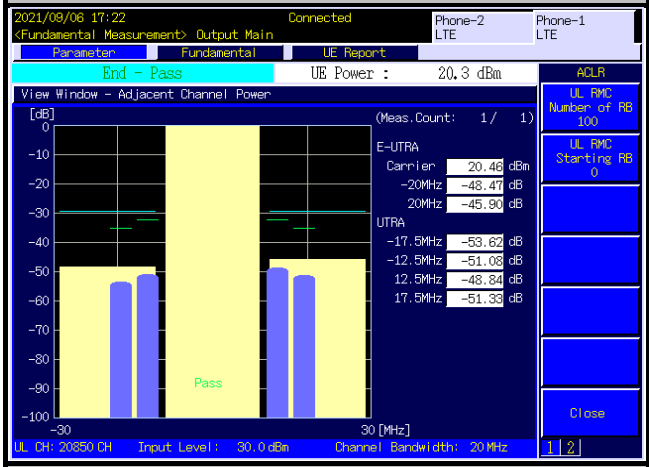
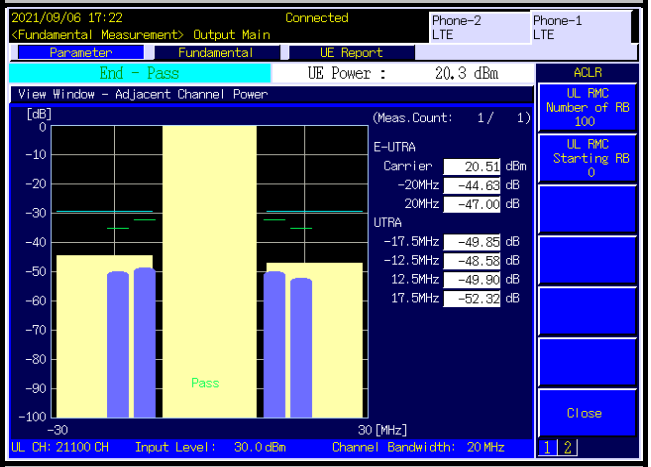
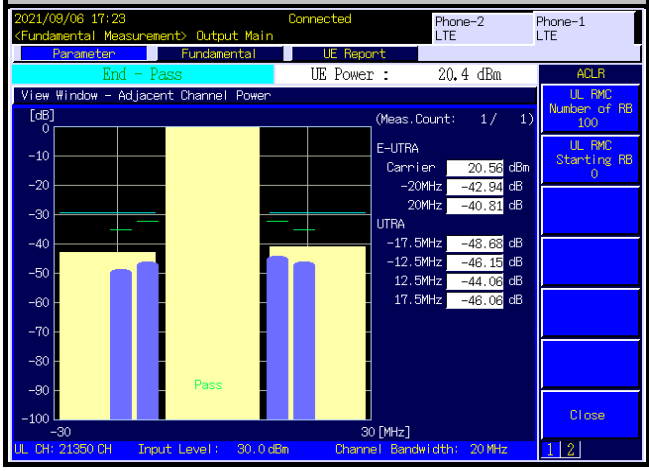
Ch21400



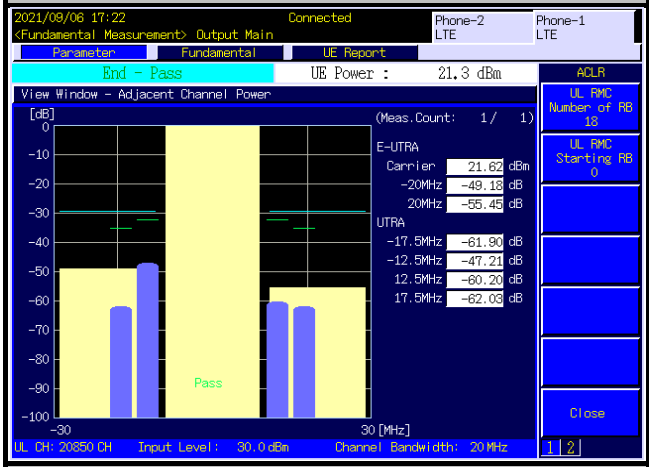
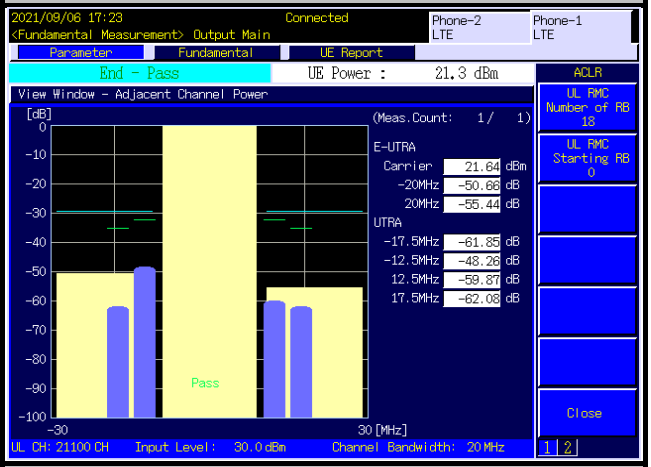
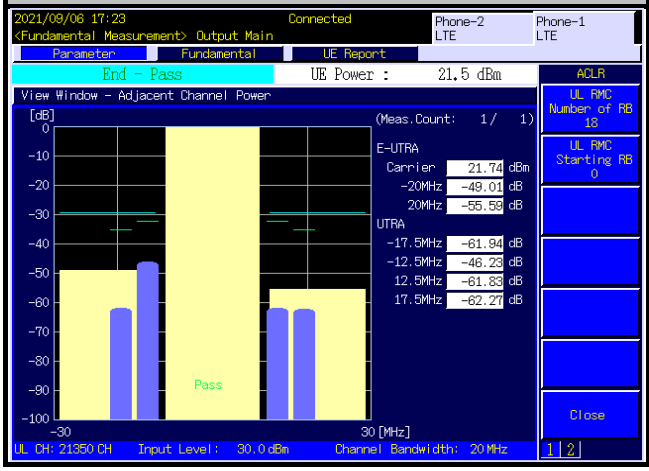
Bandwidth: 10 MHz / 16QAM (12 RB / 38 RB Offset)

Ch20800	Ch21100
	
Ch21400	
	

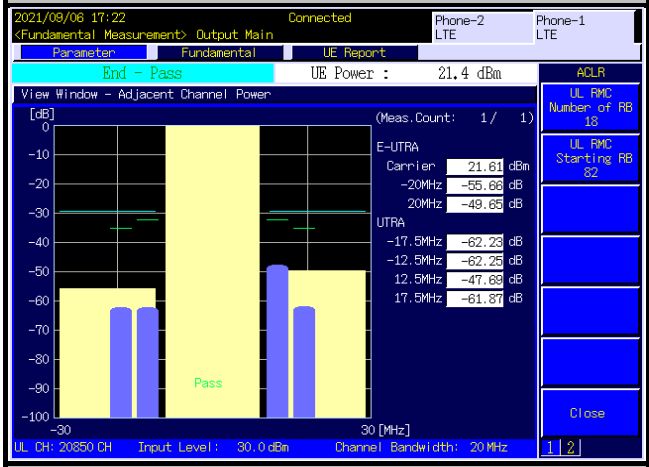
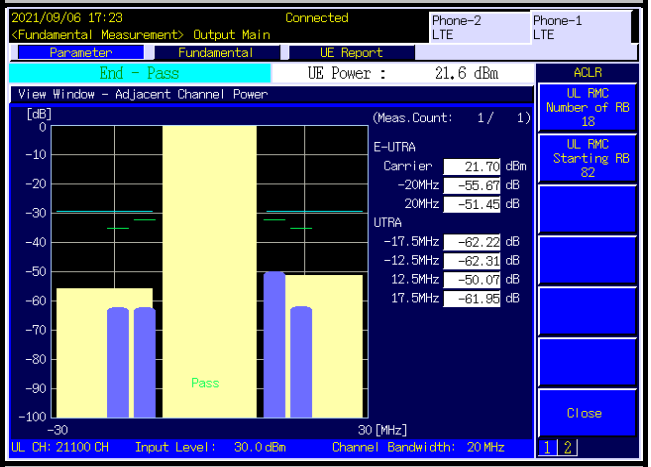
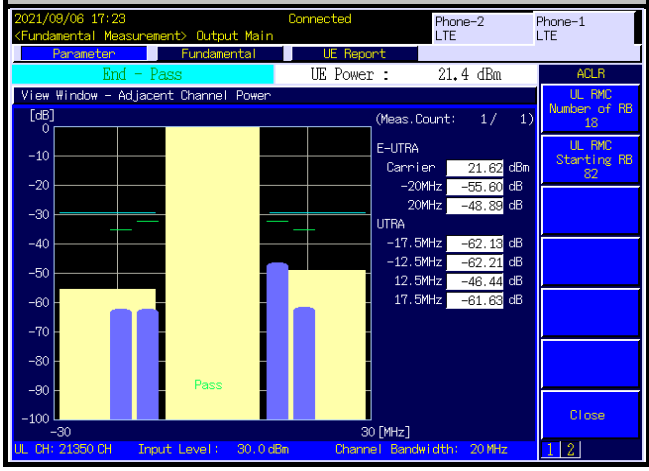
Bandwidth: 20 MHz / 16QAM (100 RB / 0 RB Offset)

Ch20850	Ch21100
	
Ch21350	
	

Bandwidth: 20 MHz / 16QAM (18 RB / 0 RB Offset)

Ch20850	Ch21100
	
Ch21350	
	

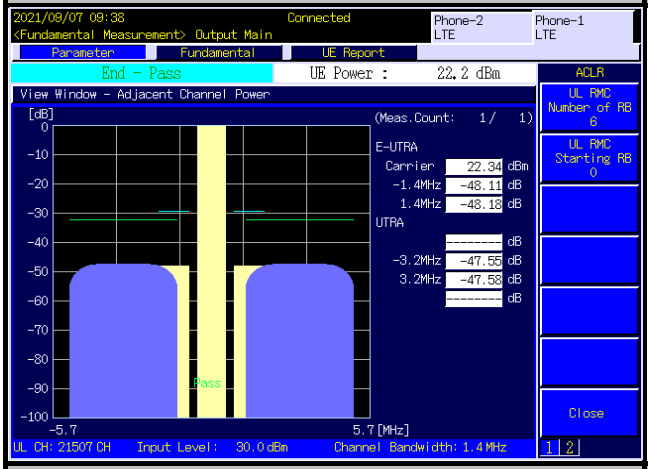
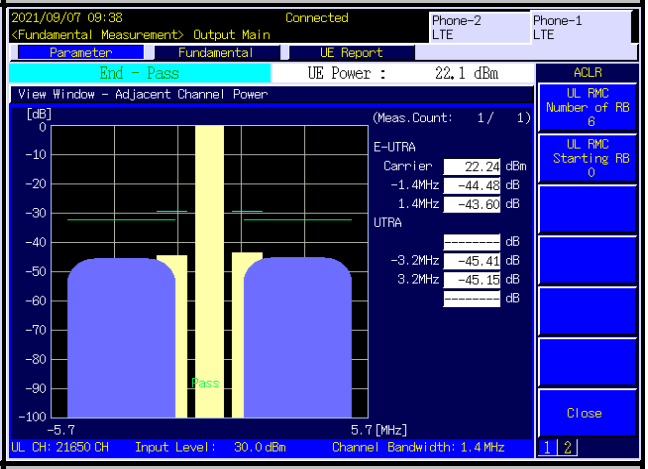
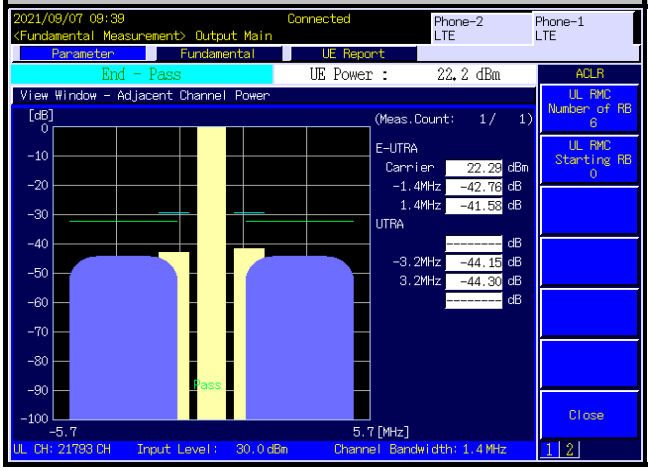
Bandwidth: 20 MHz / 16QAM (18 RB / 82 RB Offset)

Ch20850	Ch21100
	
Ch21350	
	

LTE Band 8

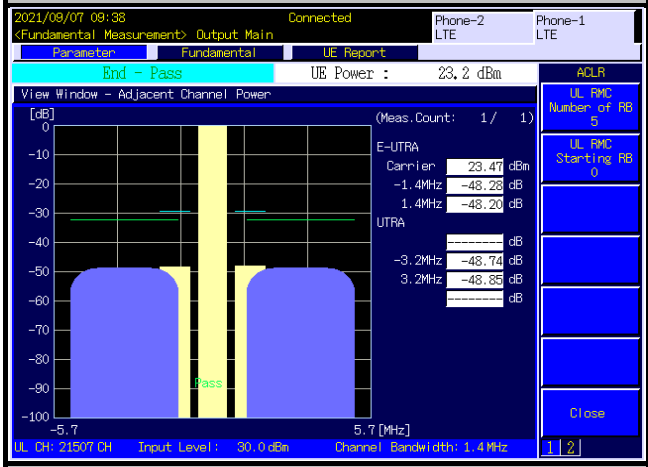
Bandwidth	Modulation	RB	Offset	Channel	ACLR (dB)	Min. Limit (dB)	Pass / Fail
1.4 MHz	QPSK	6	0	21507	-48.11	-29.2	Pass
				21650	-43.60	-29.2	Pass
				21793	-41.58	-29.2	Pass
		5	0	21507	-48.20	-29.2	Pass
				21650	-45.65	-29.2	Pass
				21793	-41.84	-29.2	Pass
		5	1	21507	-48.40	-29.2	Pass
				21650	-44.96	-29.2	Pass
				21793	-40.47	-29.2	Pass
5 MHz	QPSK	25	0	21525	-46.50	-29.2	Pass
				21650	-41.97	-29.2	Pass
				21775	-38.94	-29.2	Pass
		8	0	21525	-47.13	-29.2	Pass
				21650	-44.84	-29.2	Pass
				21775	-37.64	-29.2	Pass
		8	17	21525	-46.66	-29.2	Pass
				21650	-43.88	-29.2	Pass
				21775	-40.35	-29.2	Pass
10 MHz	QPSK	50	0	21550	-43.93	-29.2	Pass
				21650	-40.18	-29.2	Pass
				21750	-39.75	-29.2	Pass
		12	0	21550	-47.34	-29.2	Pass
				21650	-45.70	-29.2	Pass
				21750	-42.59	-29.2	Pass
		12	38	21550	-45.67	-29.2	Pass
				21650	-44.06	-29.2	Pass
				21750	-42.51	-29.2	Pass

Bandwidth: 1.4 MHz / QPSK (6 RB / 0 RB Offset)

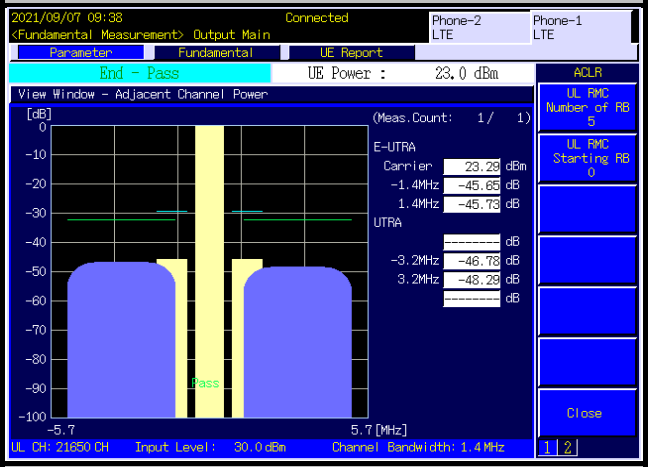
Ch21507	Ch21650
	
Ch21793	
	

Bandwidth: 1.4 MHz / QPSK (5 RB / 0 RB Offset)

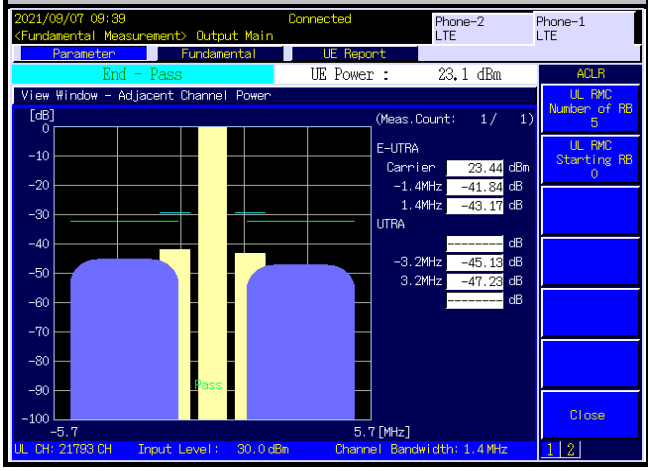
Ch21507



Ch21650

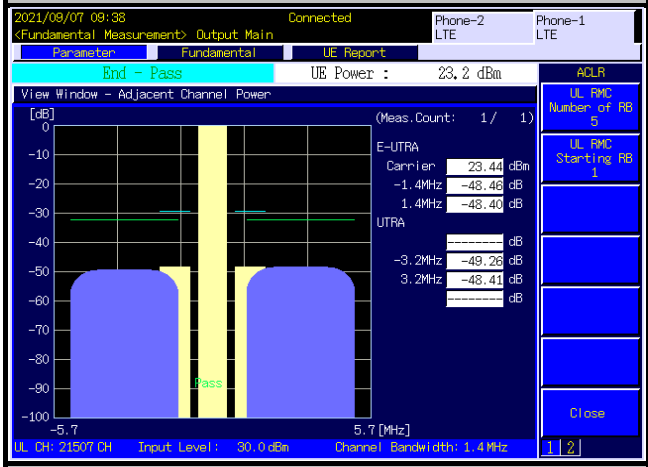


Ch21793

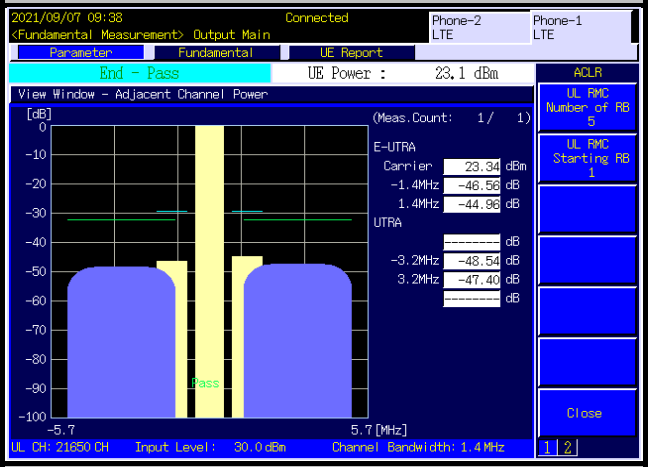


Bandwidth: 1.4 MHz / QPSK (5 RB / 1 RB Offset)

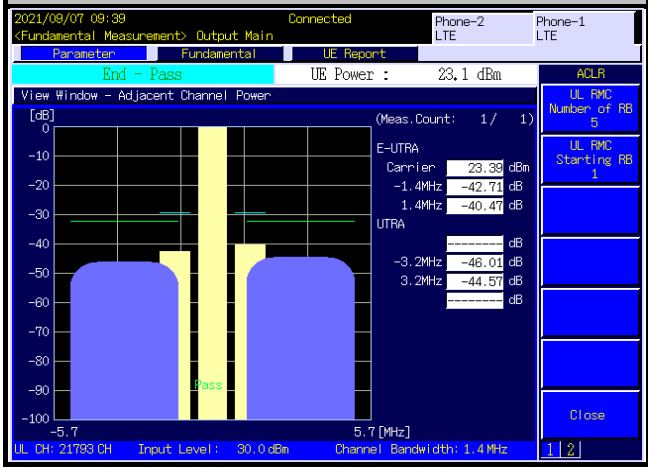
Ch21507



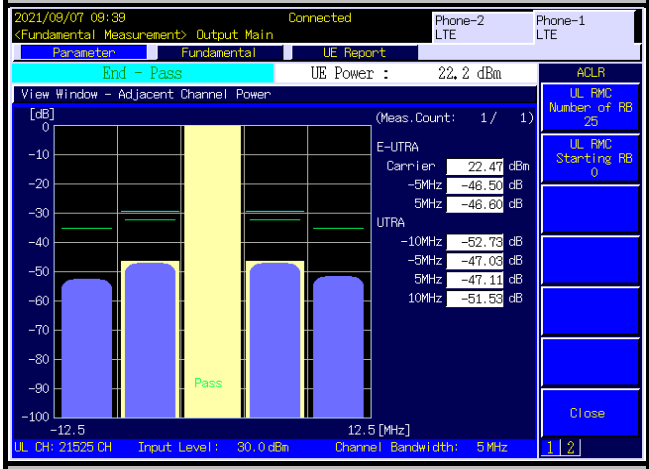
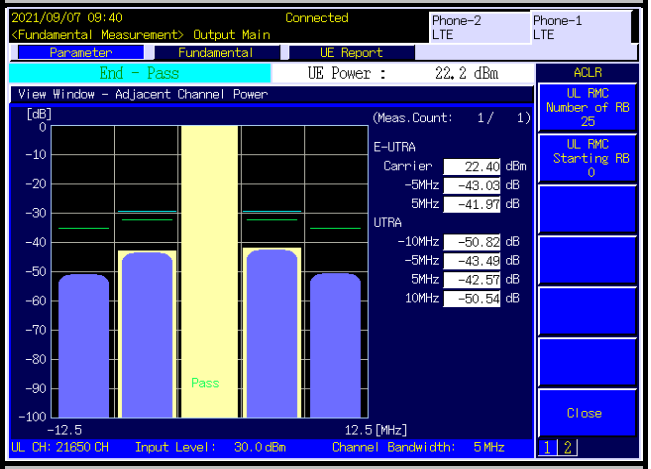
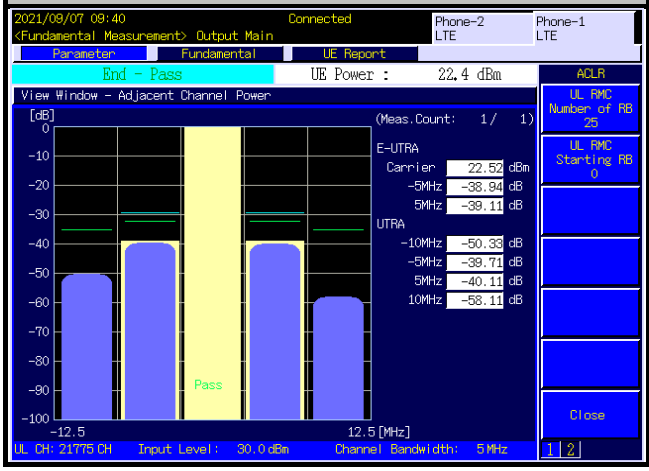
Ch21650



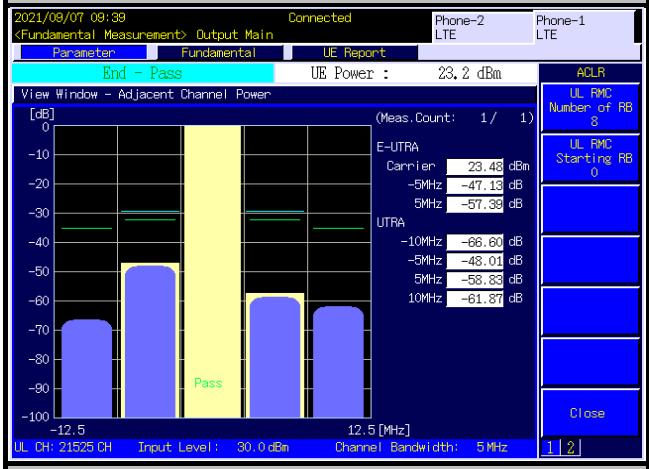
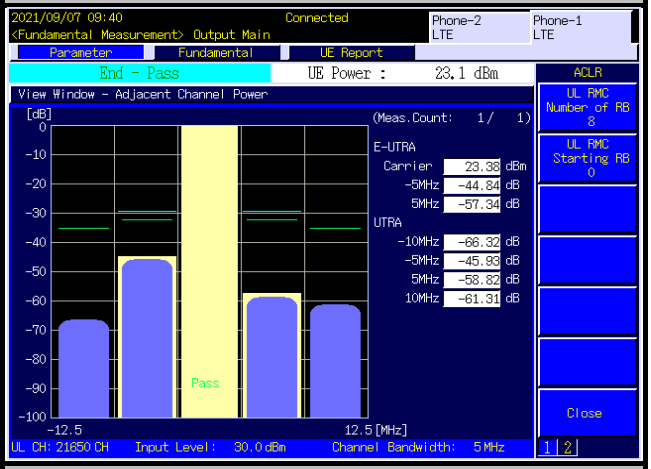
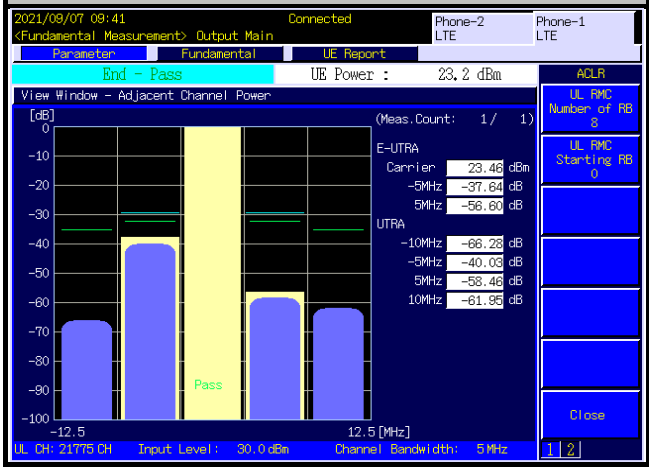
Ch21793



Bandwidth: 5 MHz / QPSK (25 RB / 0 RB Offset)

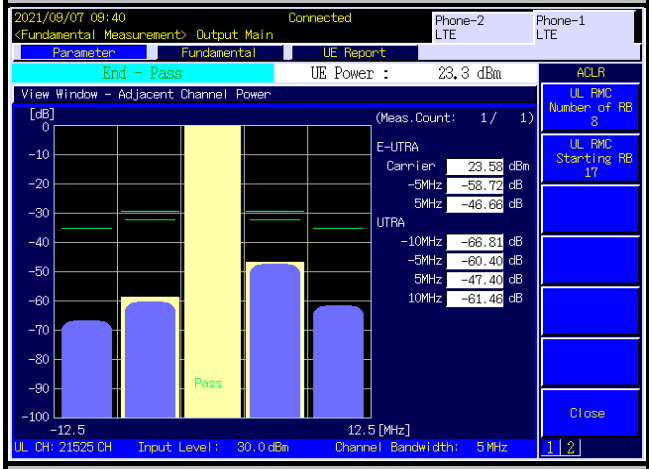
Ch21525	Ch21650
	
Ch21775	
	

Bandwidth: 5 MHz / QPSK (8 RB / 0 RB Offset)

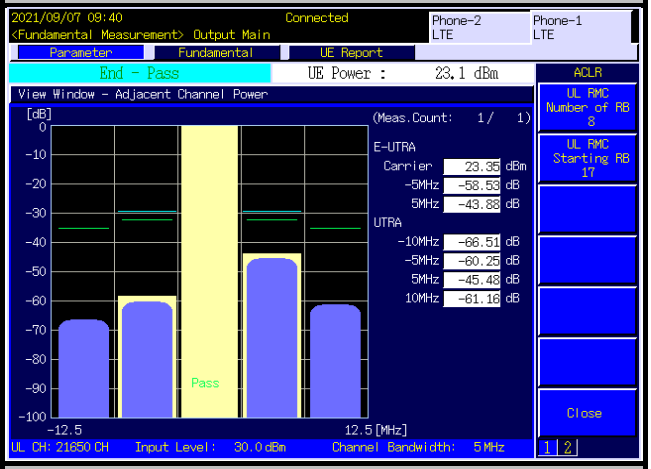
Ch21525	Ch21650
	
Ch21775	
	

Bandwidth: 5 MHz / QPSK (8 RB / 17 RB Offset)

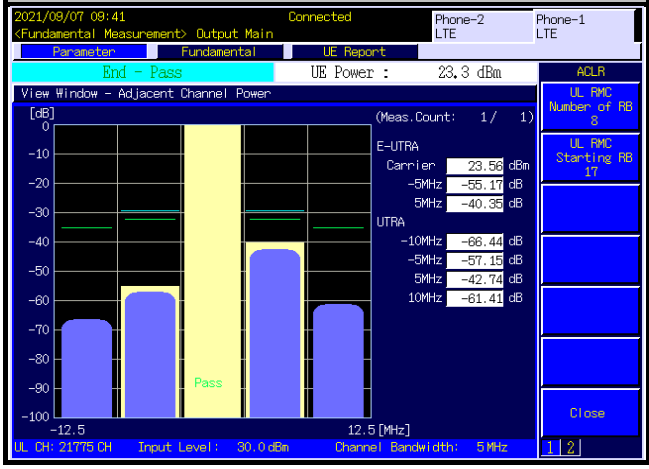
Ch21525



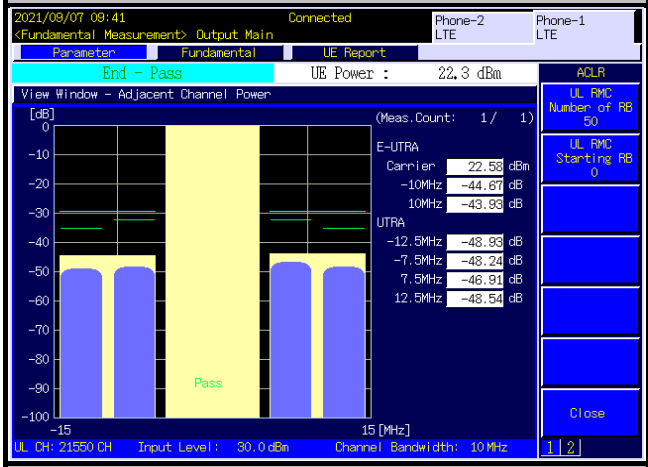
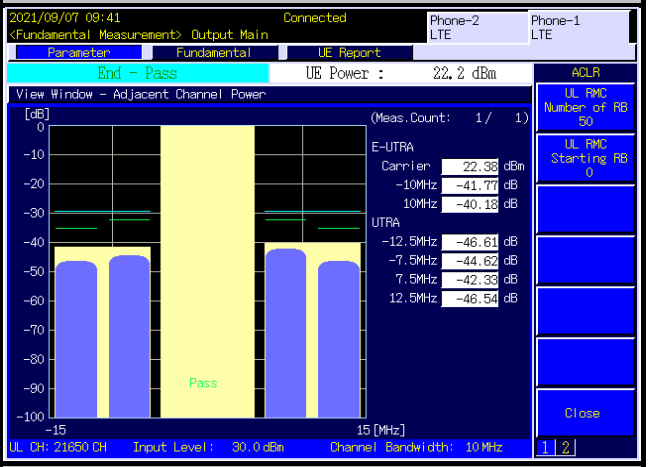
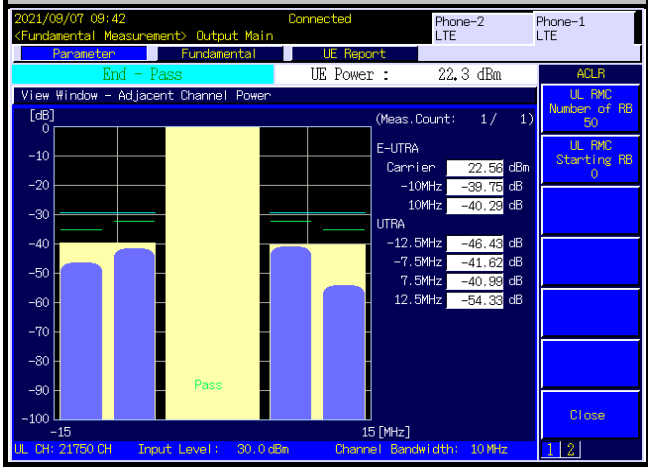
Ch21650



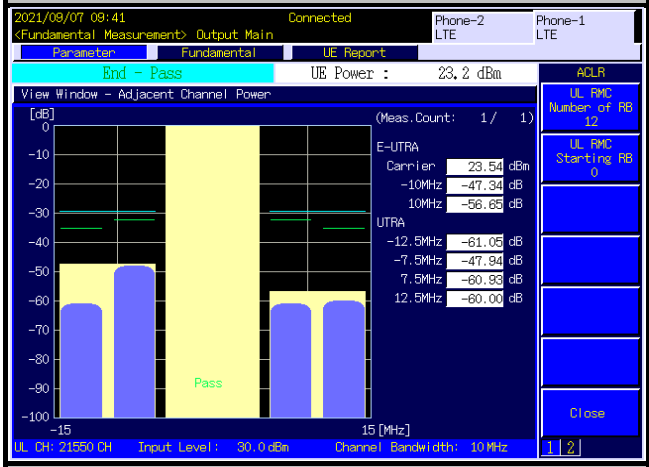
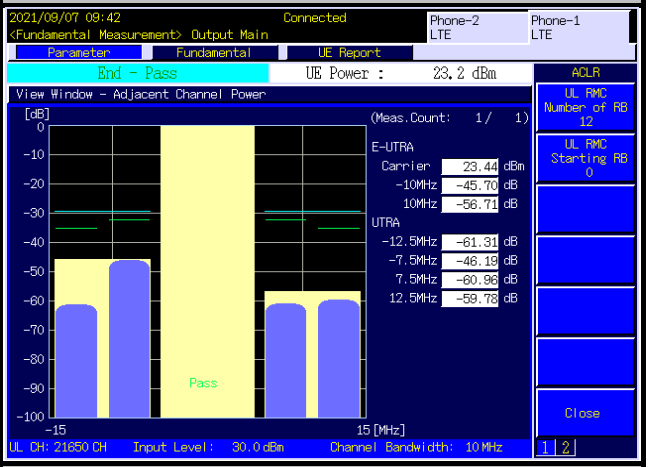
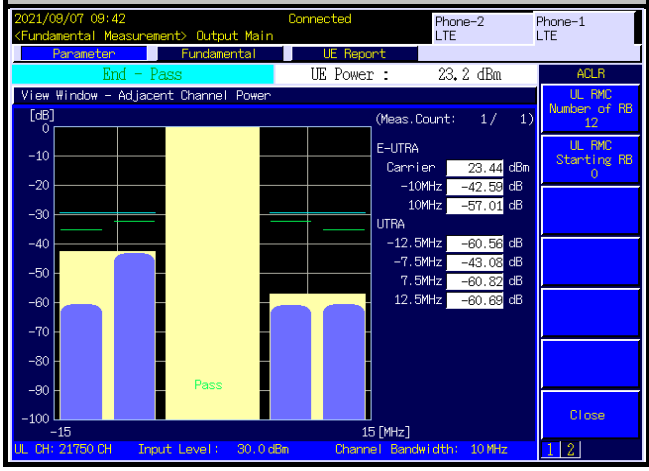
Ch21775



Bandwidth: 10 MHz / QPSK (50 RB / 0 RB Offset)

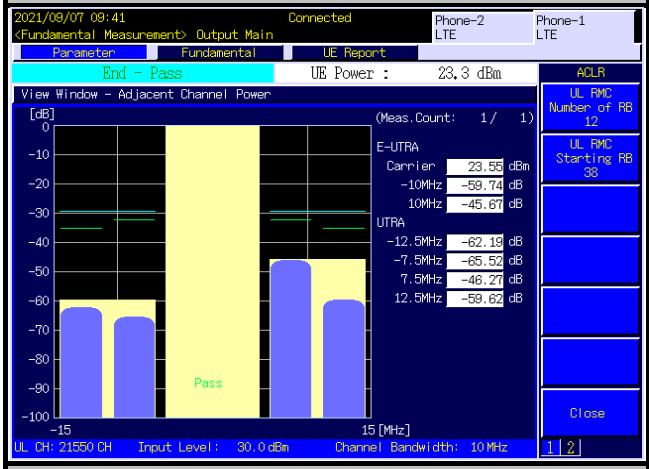
Ch21550	Ch21650
	
Ch21750	
	

Bandwidth: 10MHz / QPSK (12 RB / 0 RB Offset)

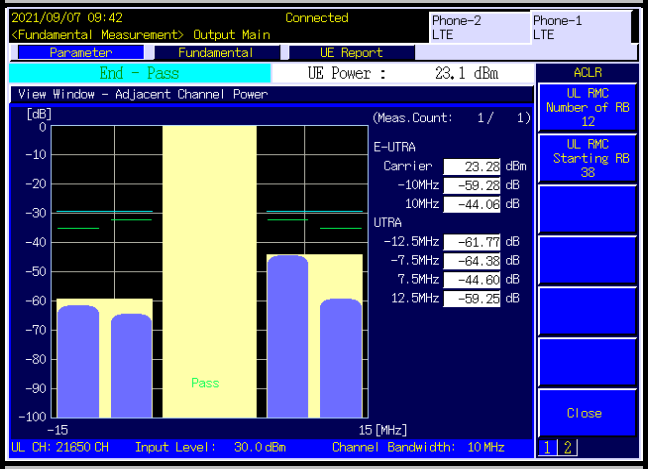
Ch21550	Ch21650
	
Ch21750	
	

Bandwidth: 10MHz / QPSK (12 RB / 38 RB Offset)

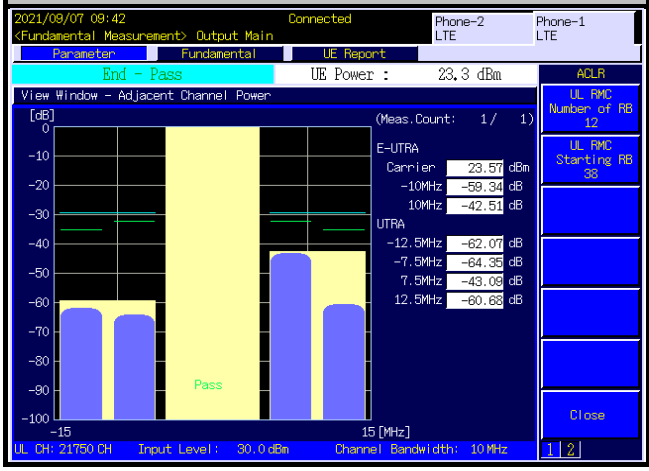
Ch21550



Ch21650



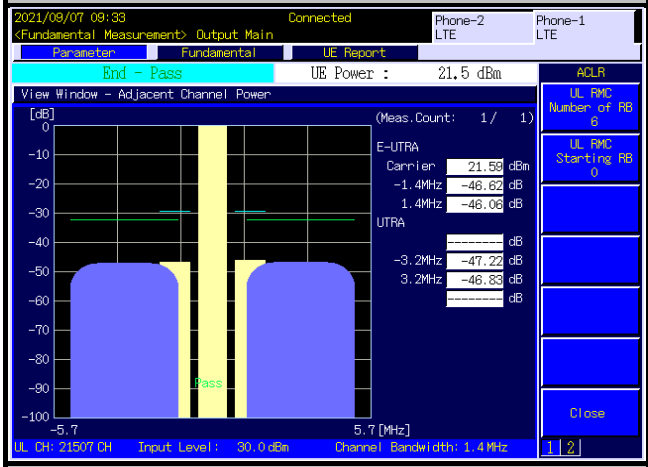
Ch21750



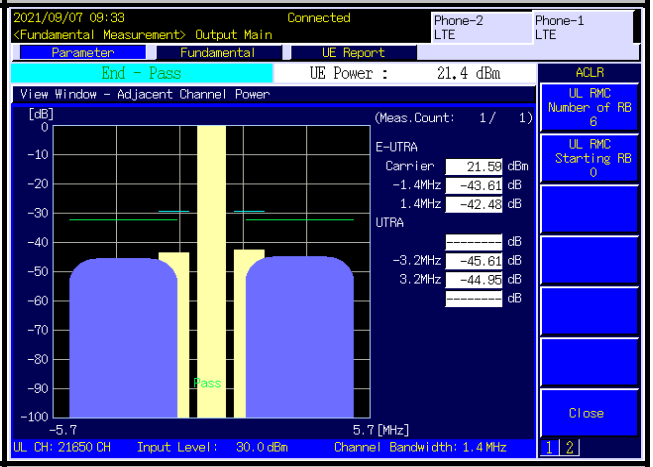
Bandwidth	Modulation	RB	Offset	Channel	ACLR (dB)	Min. Limit (dB)	Pass / Fail
1.4 MHz	16QAM	6	0	21507	-46.06	-29.2	Pass
				21650	-42.48	-29.2	Pass
				21793	-41.03	-29.2	Pass
		5	0	21507	-47.49	-29.2	Pass
				21650	-44.77	-29.2	Pass
				21793	-41.27	-29.2	Pass
		5	1	21507	-46.69	-29.2	Pass
				21650	-43.87	-29.2	Pass
				21793	-40.74	-29.2	Pass
5 MHz	16QAM	25	0	21525	-44.23	-29.2	Pass
				21650	-40.48	-29.2	Pass
				21775	-38.39	-29.2	Pass
		8	0	21525	-46.18	-29.2	Pass
				21650	-44.61	-29.2	Pass
				21775	-38.56	-29.2	Pass
		8	17	21525	-45.17	-29.2	Pass
				21650	-43.16	-29.2	Pass
				21775	-40.80	-29.2	Pass
10 MHz	16QAM	50	0	21550	-42.86	-29.2	Pass
				21650	-39.49	-29.2	Pass
				21750	-38.79	-29.2	Pass
		12	0	21550	-46.58	-29.2	Pass
				21650	-44.53	-29.2	Pass
				21750	-43.27	-29.2	Pass
		12	38	21550	-44.82	-29.2	Pass
				21650	-43.25	-29.2	Pass
				21750	-42.75	-29.2	Pass

Bandwidth: 1.4 MHz / 16QAM (6 RB / 0 RB Offset)

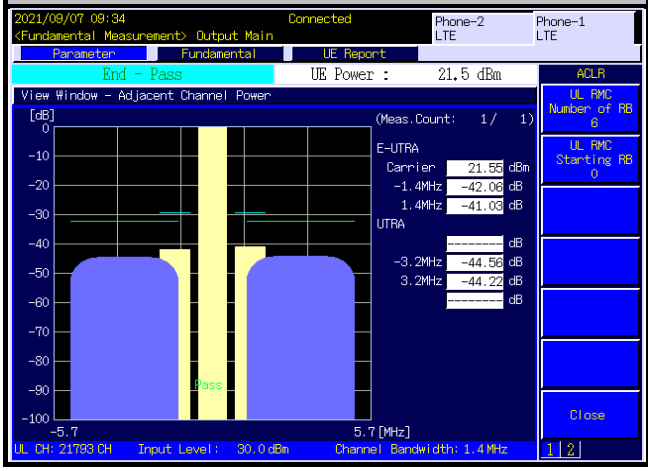
Ch21507



Ch21650

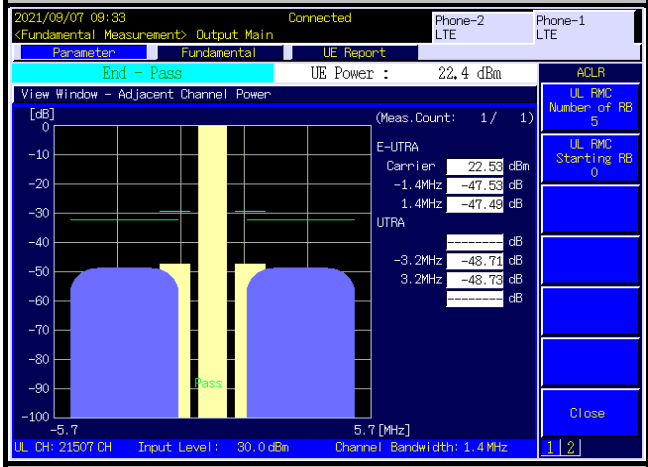


Ch21793

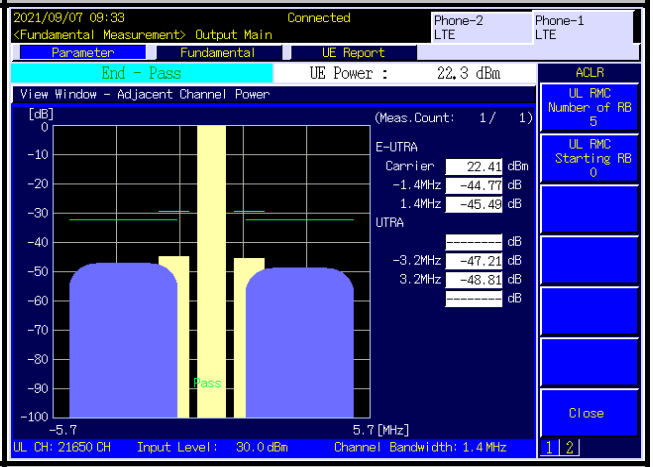


Bandwidth: 1.4 MHz / 16QAM (5 RB / 0 RB Offset)

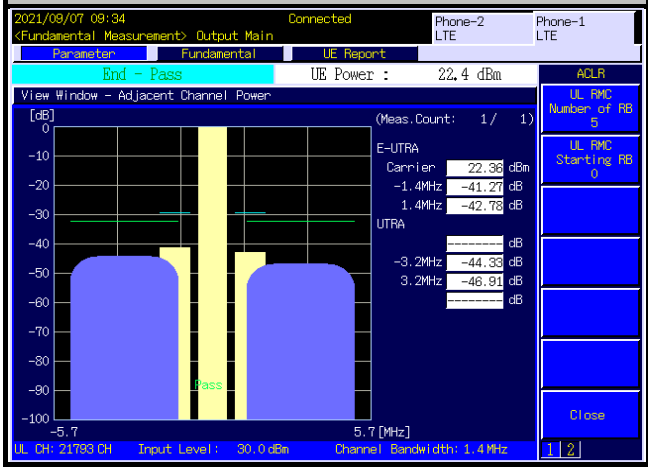
Ch21507



Ch21650

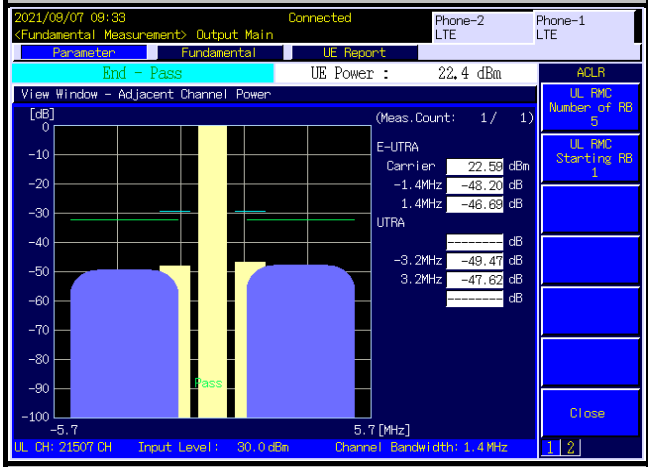


Ch21793

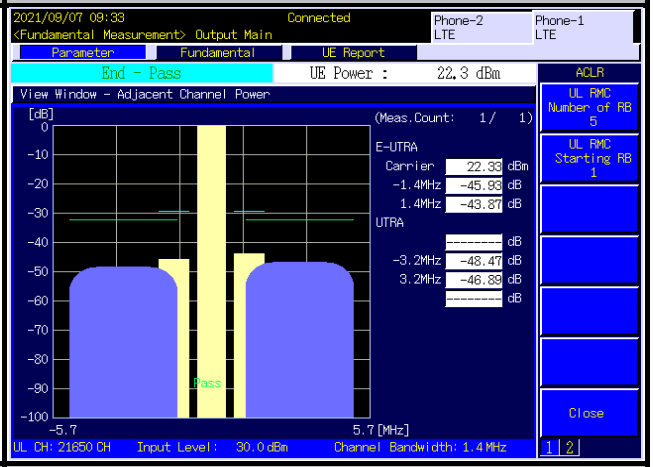


Bandwidth: 1.4 MHz / 16QAM (5 RB / 1 RB Offset)

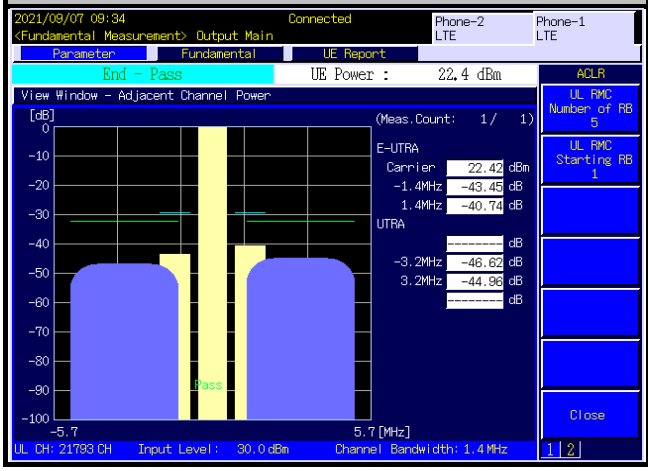
Ch21507



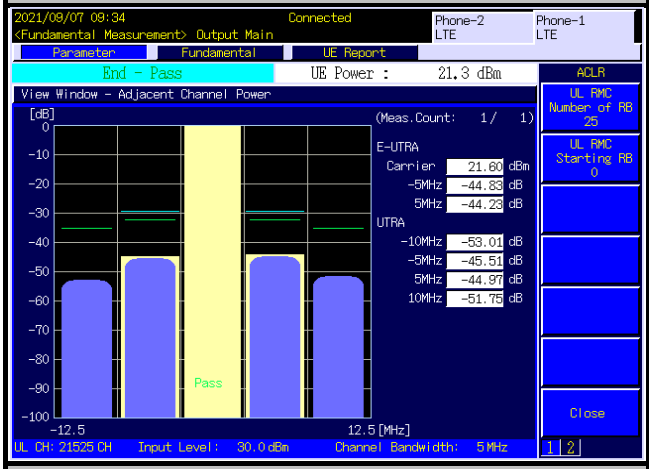
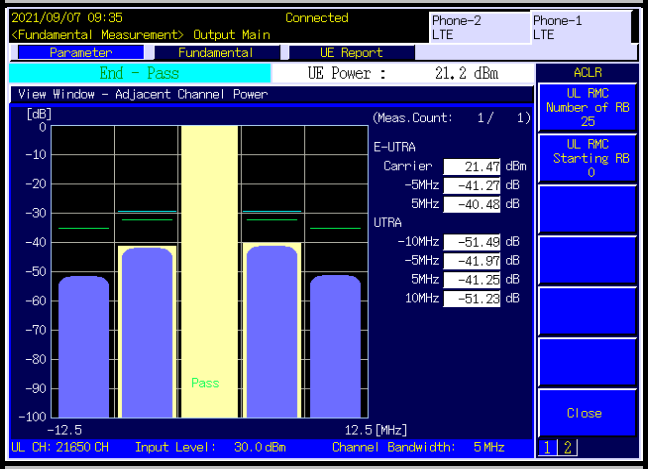
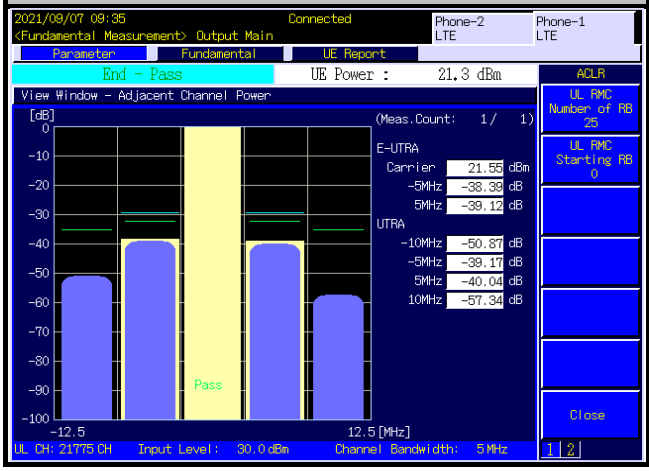
Ch21650



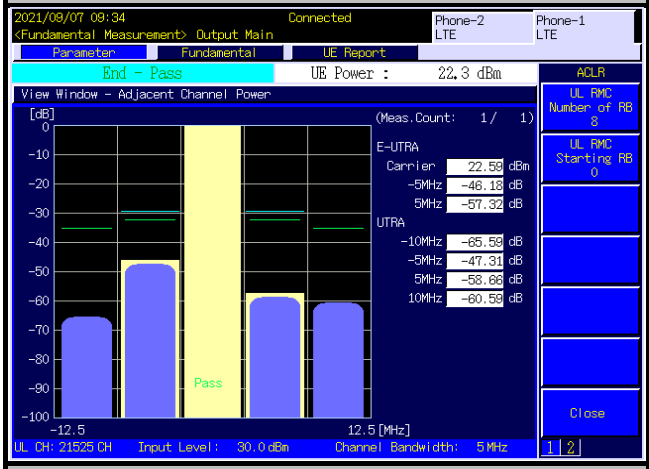
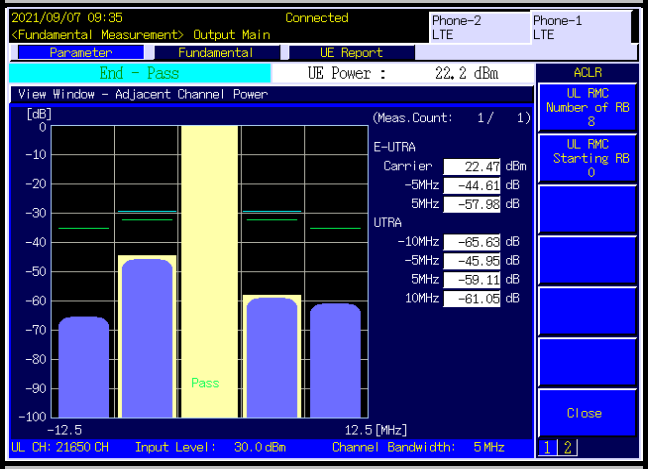
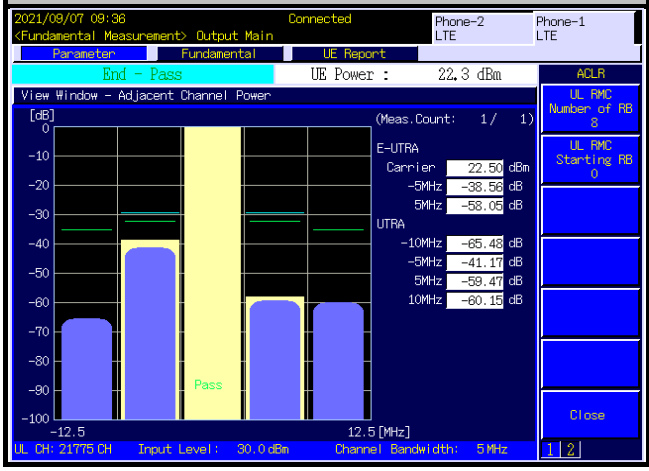
Ch21793



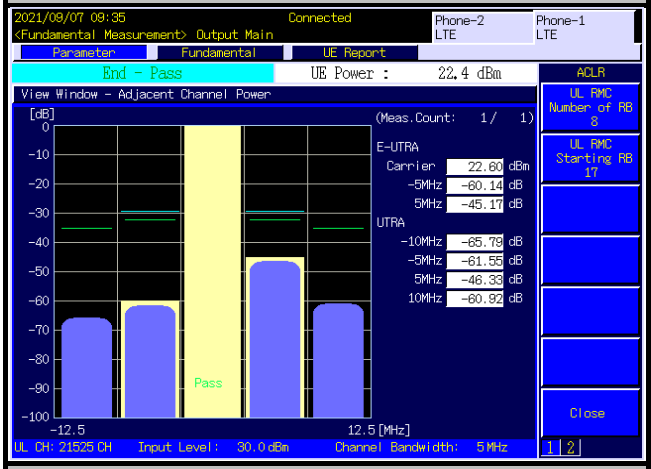
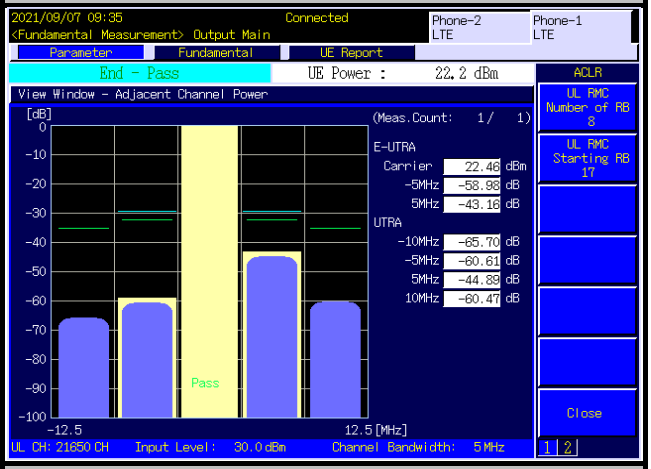
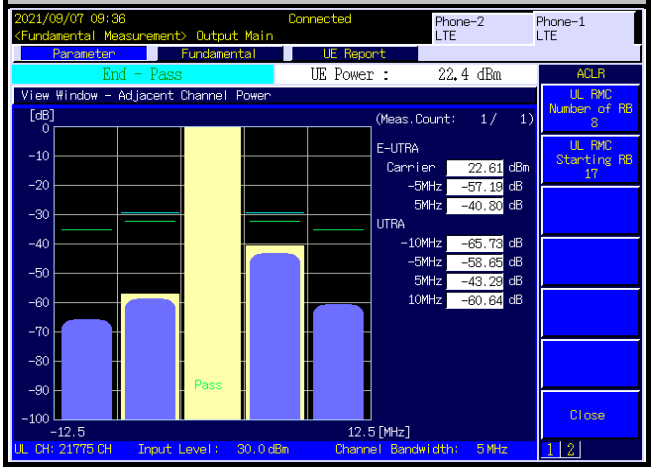
Bandwidth: 5 MHz / 16QAM (25 RB / 0 RB Offset)

Ch21525	Ch21650
	
Ch21775	
	

Bandwidth: 5 MHz / 16QAM (8 RB / 0 RB Offset)

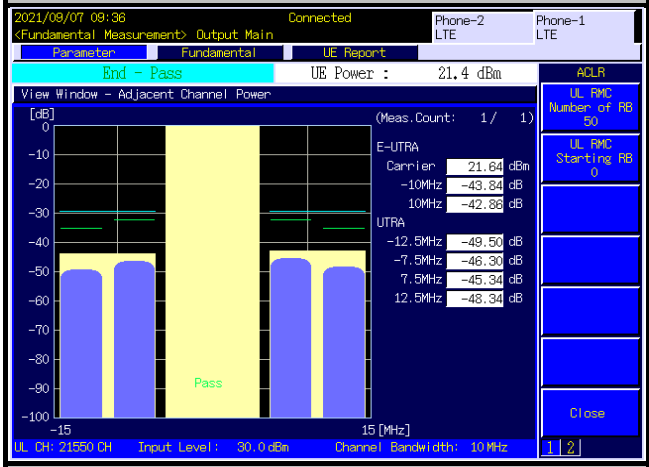
Ch21525	Ch21650
	
Ch21775	
	

Bandwidth: 5 MHz / 16QAM (8 RB / 17 RB Offset)

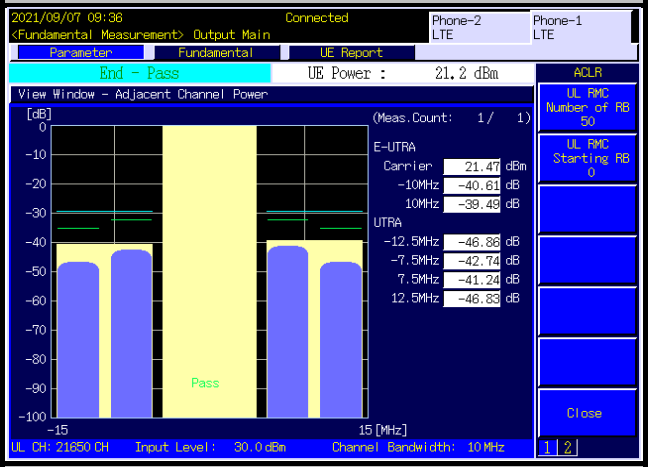
Ch21525	Ch21650
	
Ch21775	
	

Bandwidth: 10 MHz / 16QAM (50 RB / 0 RB Offset)

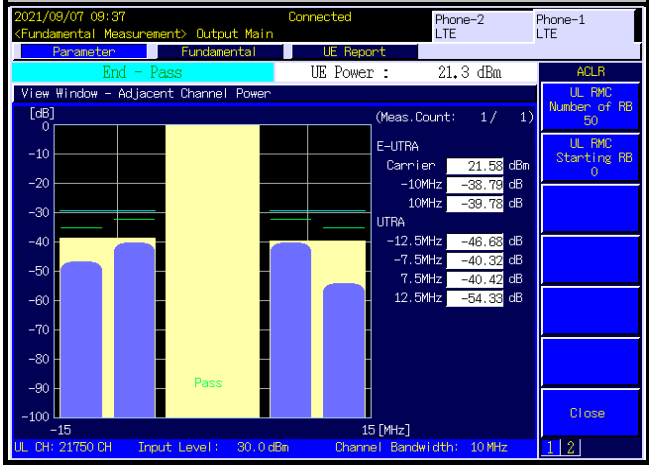
Ch21550



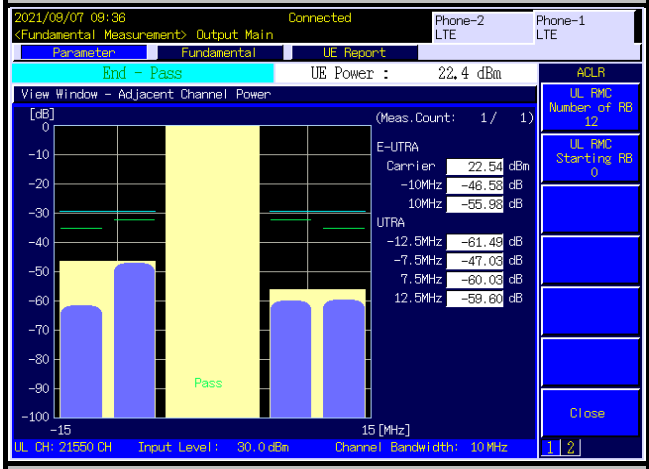
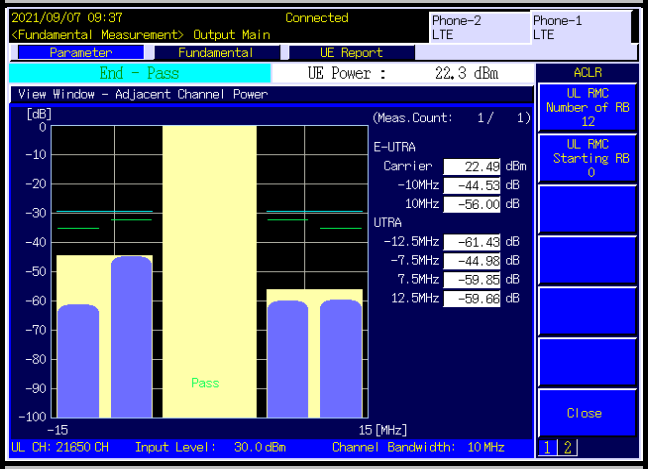
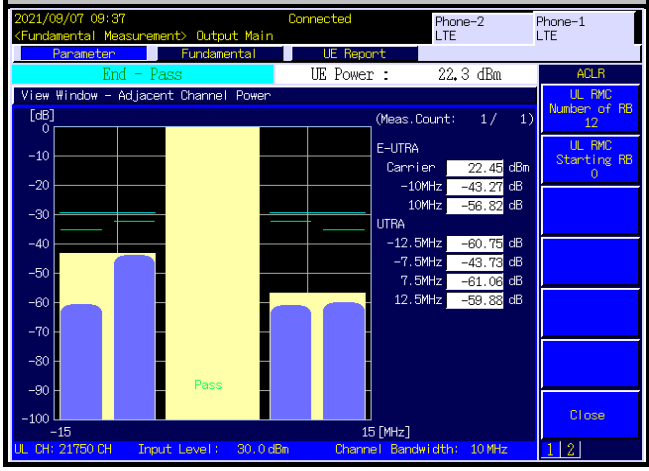
Ch21650



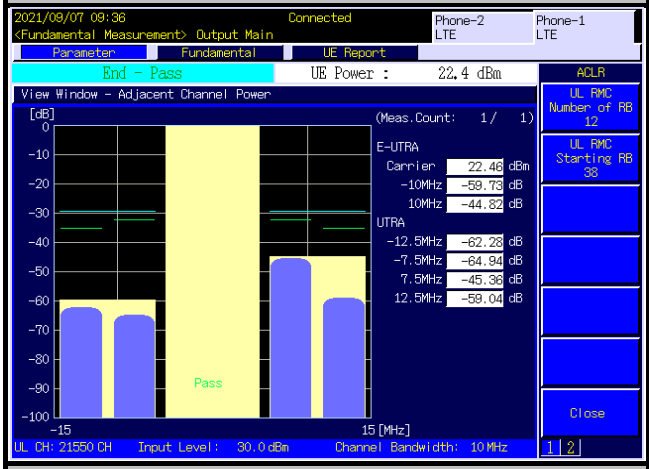
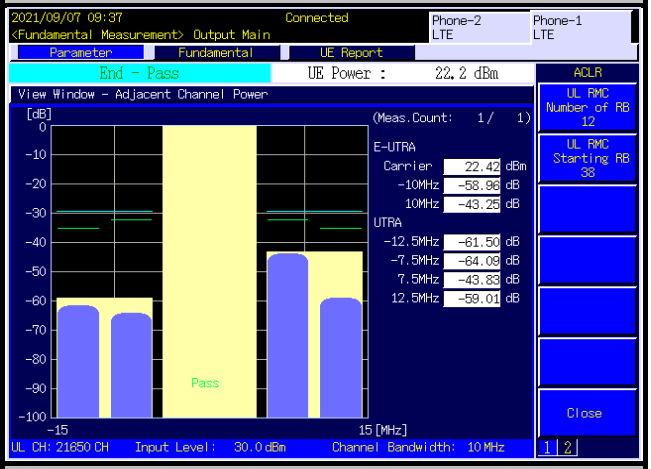
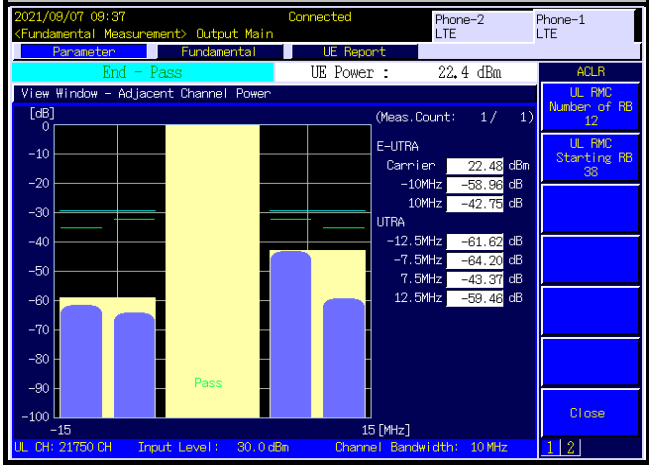
Ch21750



Bandwidth: 10MHz / 16QAM (12 RB / 0 RB Offset)

Ch21550	Ch21650
	
Ch21750	
	

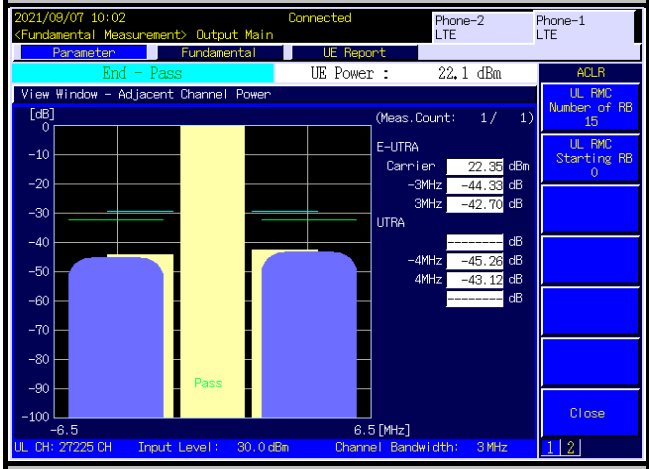
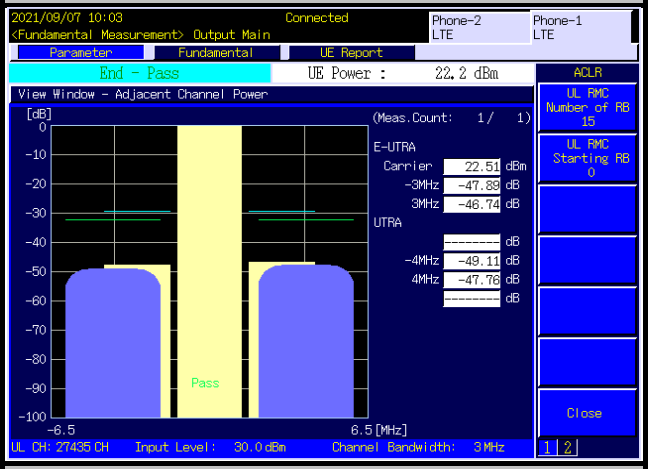
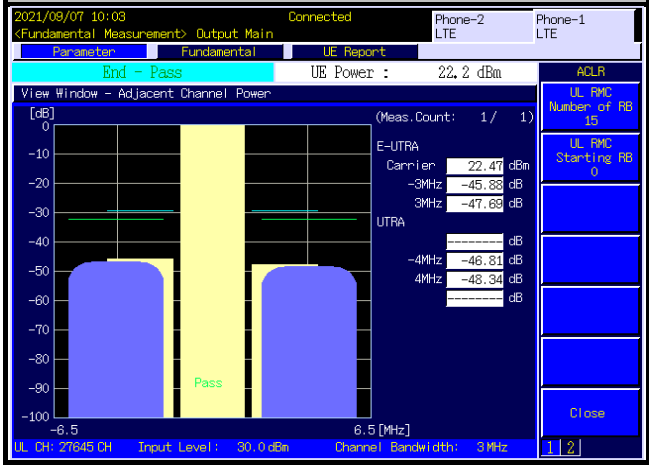
Bandwidth: 10MHz / 16QAM (12 RB / 38 RB Offset)

Ch21550	Ch21650
	
Ch21750	
	

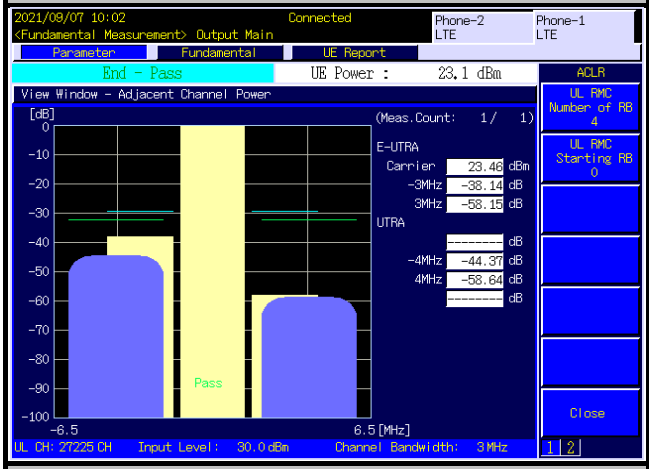
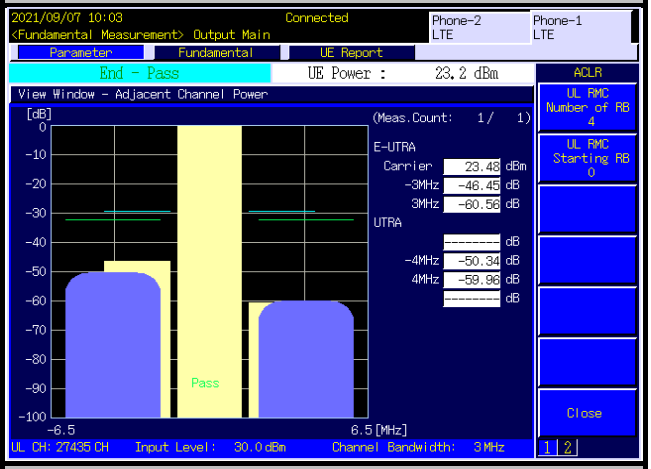
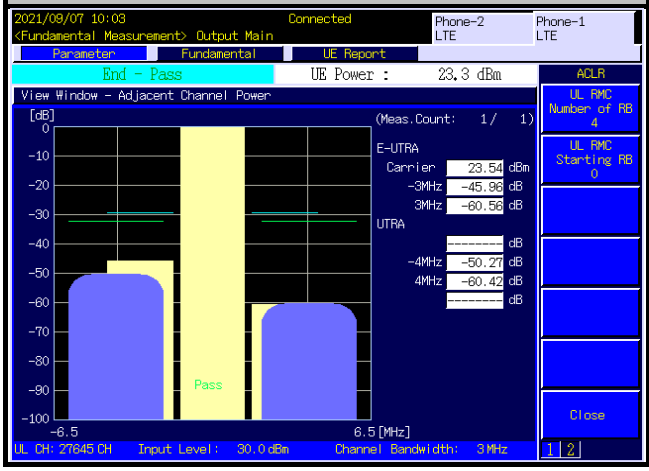
LTE Band 28

Bandwidth	Modulation	RB	Offset	Channel	ACLR (dB)	Min. Limit (dB)	Pass / Fail
3 MHz	QPSK	15	0	27225	-42.70	-29.2	Pass
				27435	-46.74	-29.2	Pass
				27645	-45.88	-29.2	Pass
		4	0	27225	-38.14	-29.2	Pass
				27435	-46.45	-29.2	Pass
				27645	-45.96	-29.2	Pass
		4	11	27225	-37.85	-29.2	Pass
				27435	-48.99	-29.2	Pass
				27645	-46.46	-29.2	Pass
5 MHz	QPSK	25	0	27235	-43.19	-29.2	Pass
				27435	-45.49	-29.2	Pass
				27635	-45.82	-29.2	Pass
		8	0	27235	-39.76	-29.2	Pass
				27435	-47.21	-29.2	Pass
				27635	-46.17	-29.2	Pass
		8	17	27235	-39.43	-29.2	Pass
				27435	-47.91	-29.2	Pass
				27635	-46.35	-29.2	Pass
10 MHz	QPSK	50	0	27260	-43.27	-29.2	Pass
				27435	-43.11	-29.2	Pass
				27610	-45.42	-29.2	Pass
		12	0	27260	-40.30	-29.2	Pass
				27435	-48.48	-29.2	Pass
				27610	-48.91	-29.2	Pass
		12	38	27260	-44.72	-29.2	Pass
				27435	-48.51	-29.2	Pass
				27610	-46.82	-29.2	Pass
20 MHz	QPSK	100	0	27310	-42.72	-29.2	Pass
				27435	-40.70	-29.2	Pass
				27560	-44.20	-29.2	Pass
		18	0	27310	-41.87	-29.2	Pass
				27435	-47.31	-29.2	Pass
				27560	-47.14	-29.2	Pass
		18	82	27310	-45.25	-29.2	Pass
				27435	-47.00	-29.2	Pass
				27560	-48.09	-29.2	Pass

Bandwidth: 3 MHz / QPSK (15 RB / 0 RB Offset)

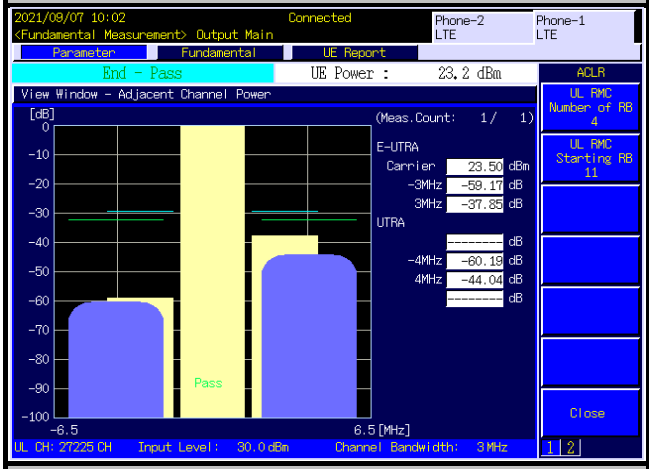
Ch27225	Ch27435
	
Ch27645	
	

Bandwidth: 3 MHz / QPSK (4 RB / 0 RB Offset)

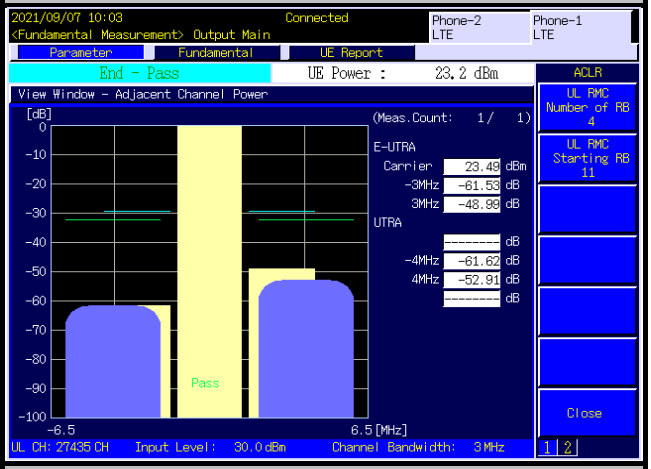
Ch27225	Ch27435
	
Ch27645	
	

Bandwidth: 3 MHz / QPSK (4 RB / 11 RB Offset)

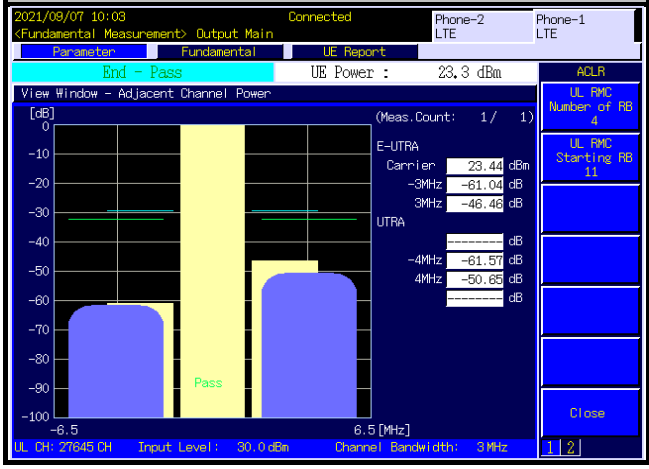
Ch27225



Ch27435

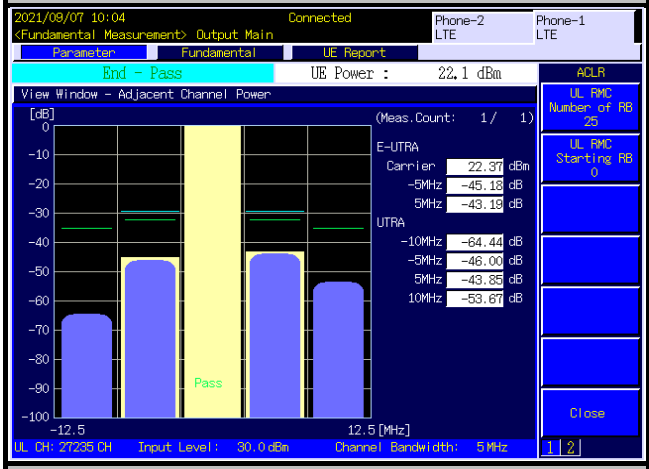


Ch27645

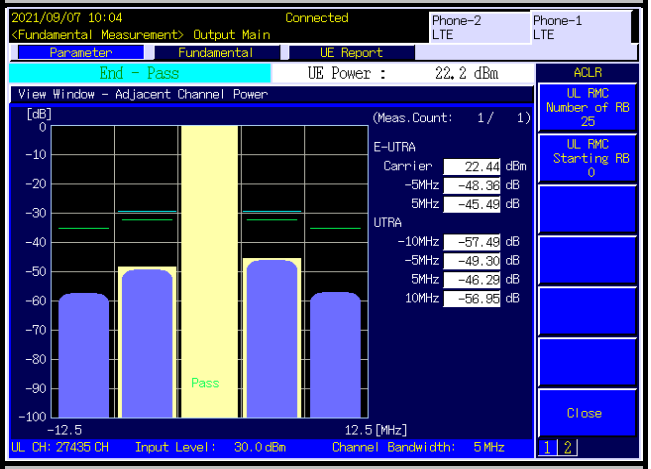


Bandwidth: 5 MHz / QPSK (25 RB / 0 RB Offset)

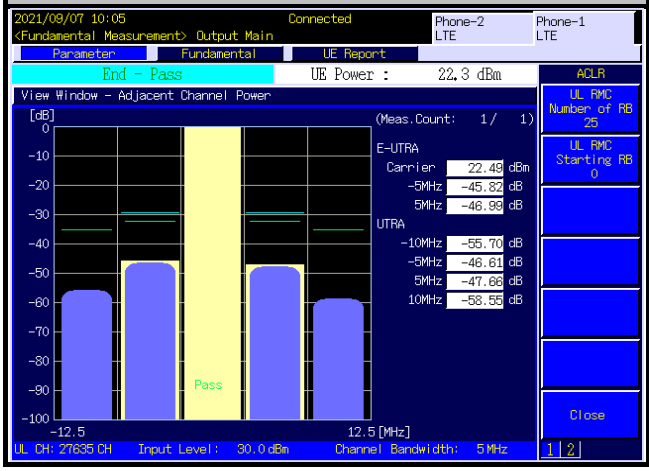
Ch27235



Ch27435

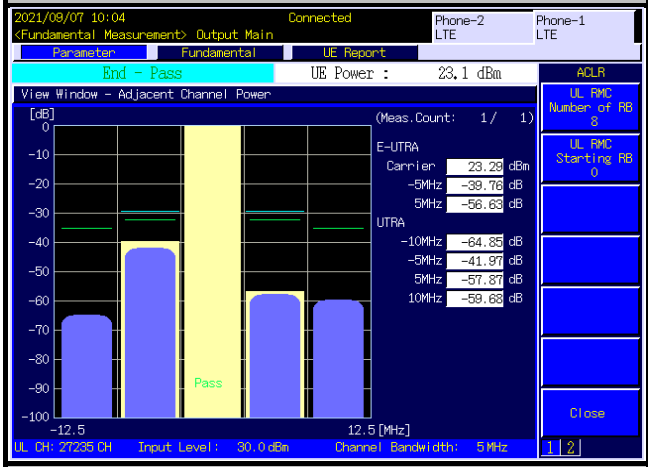


Ch27635

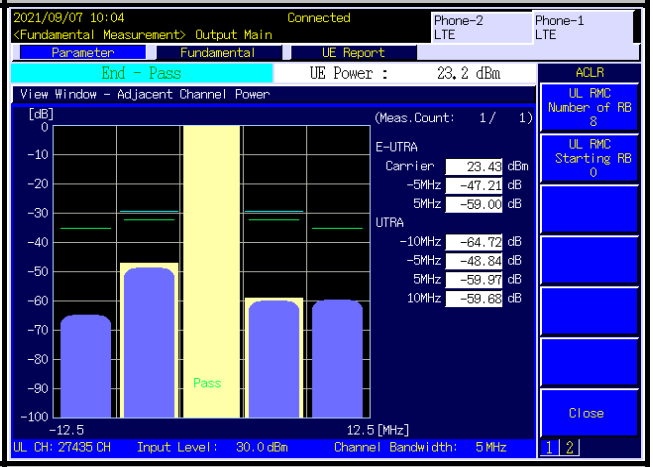


Bandwidth: 5 MHz / QPSK (8 RB / 0 RB Offset)

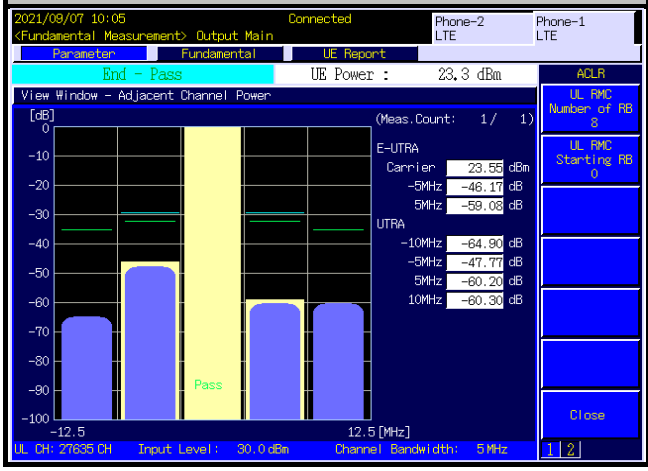
Ch27235



Ch27435

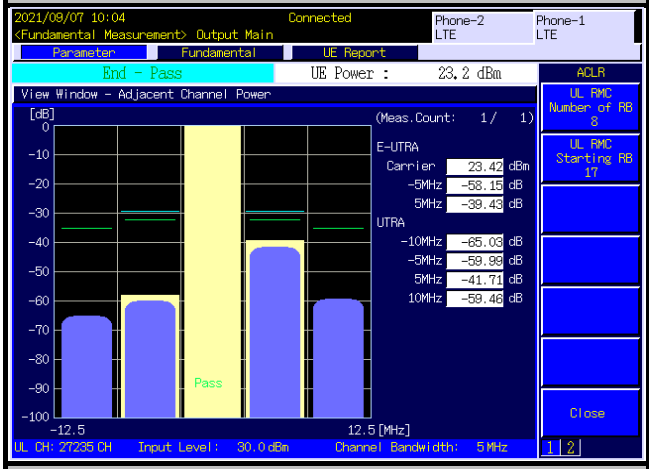


Ch27635

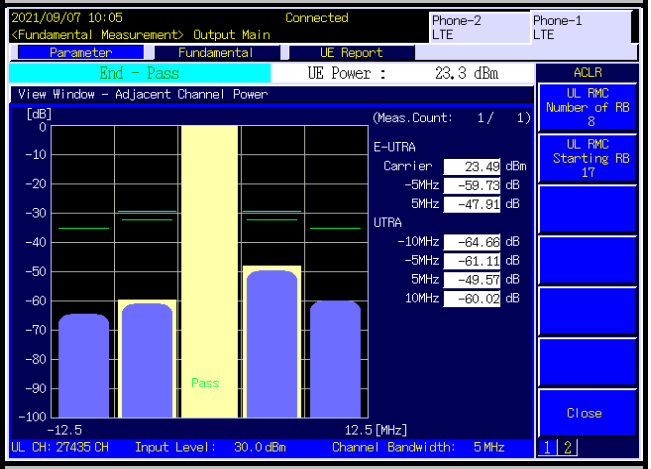


Bandwidth: 5 MHz / QPSK (8 RB / 17 RB Offset)

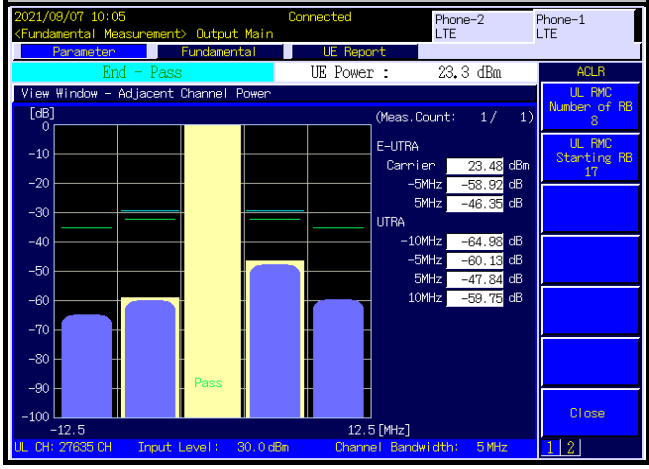
Ch27235



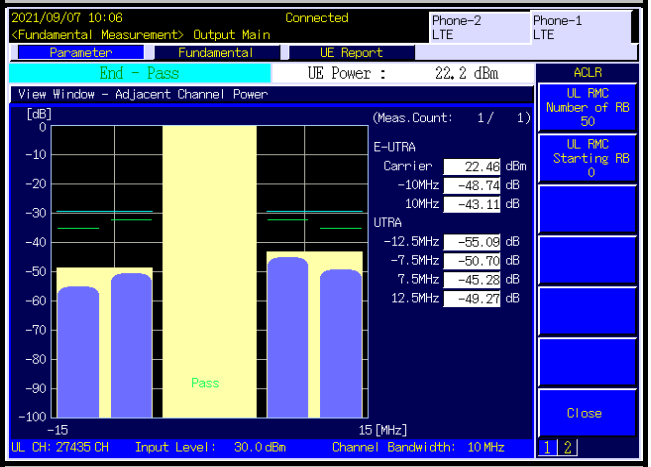
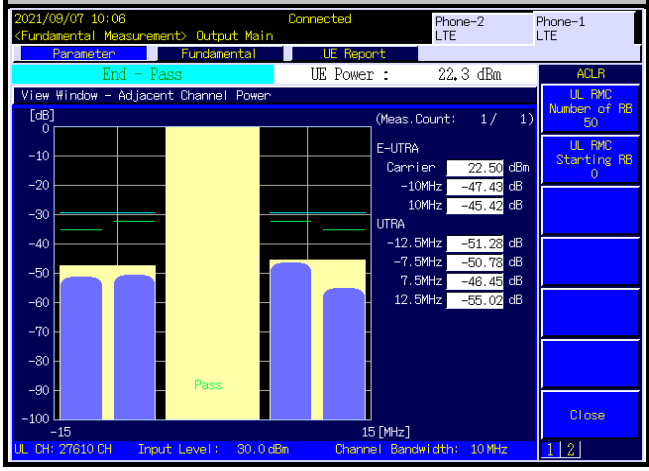
Ch27435



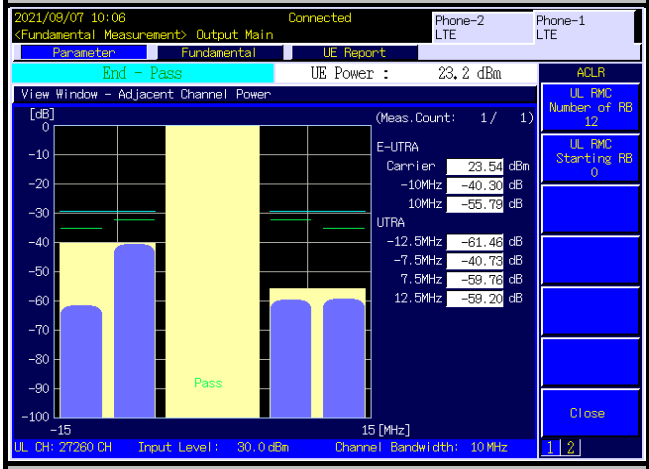
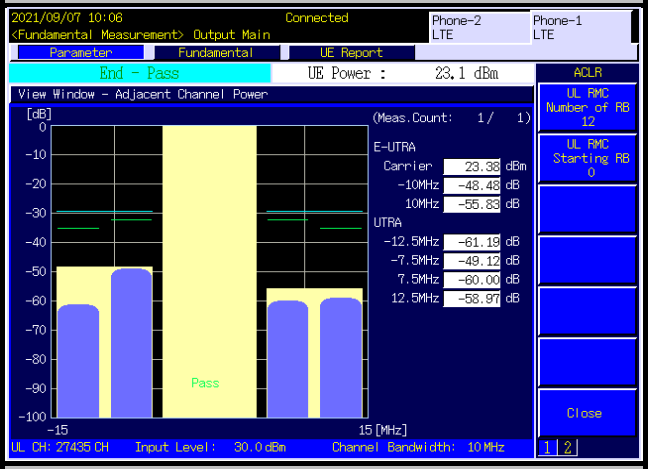
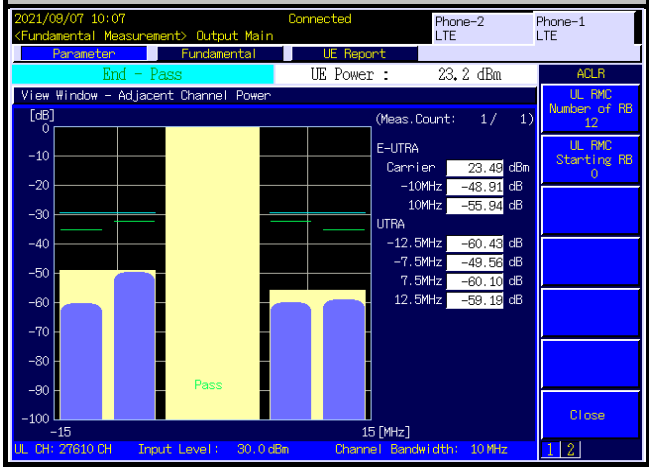
Ch27635



Bandwidth: 10 MHz / QPSK (50 RB / 0 RB Offset)

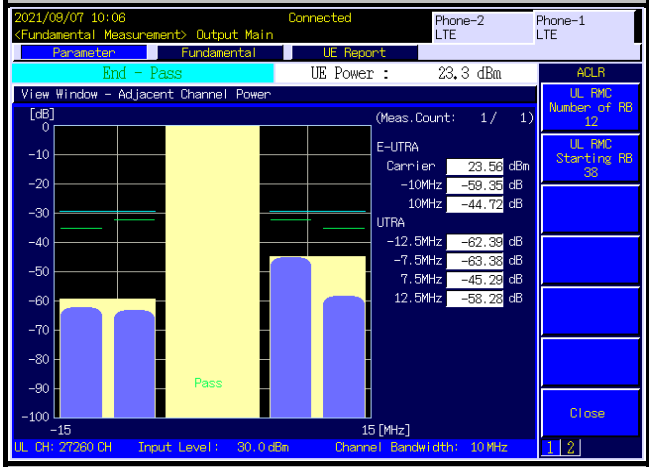
Ch27260	Ch27435
	
Ch27610	
	

Bandwidth: 10 MHz / QPSK (12 RB / 0 RB Offset)

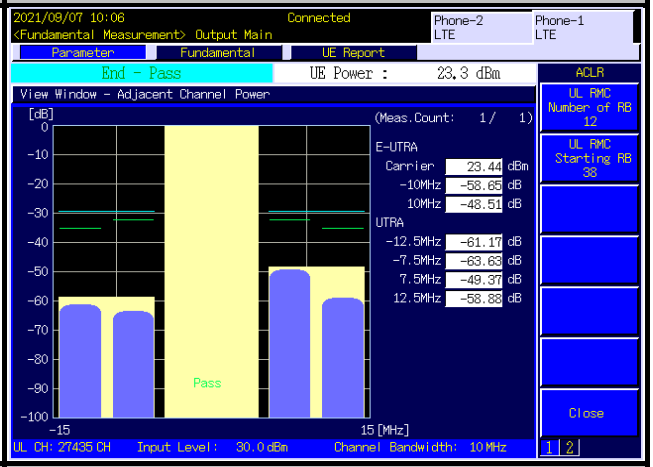
Ch27260	Ch27435
	
Ch27610	
	

Bandwidth: 10 MHz / QPSK (12 RB / 38 RB Offset)

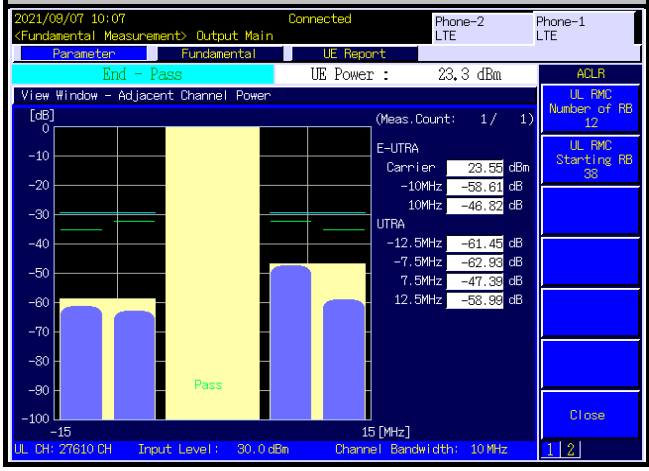
Ch27260



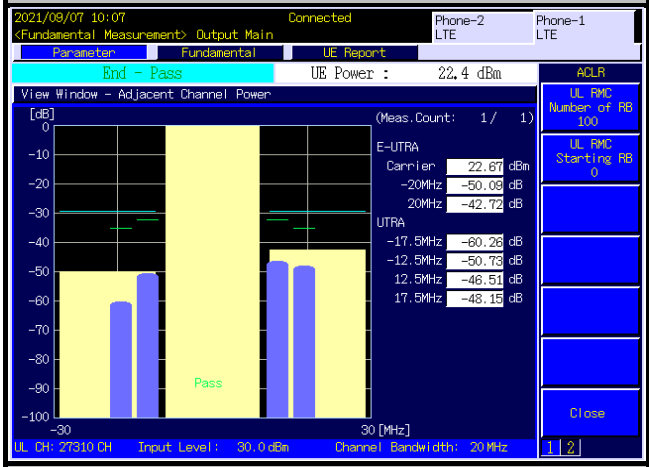
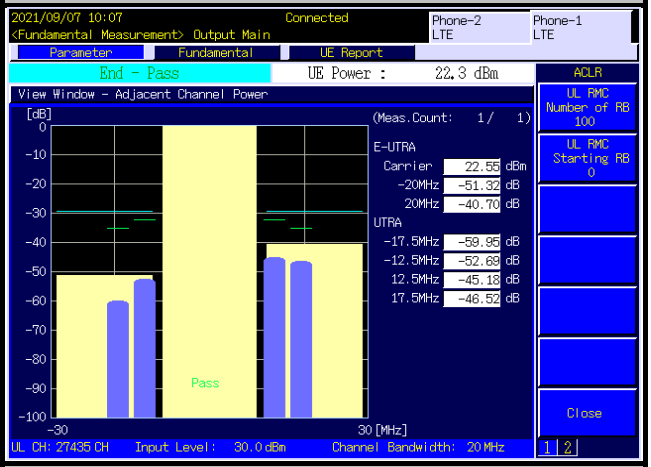
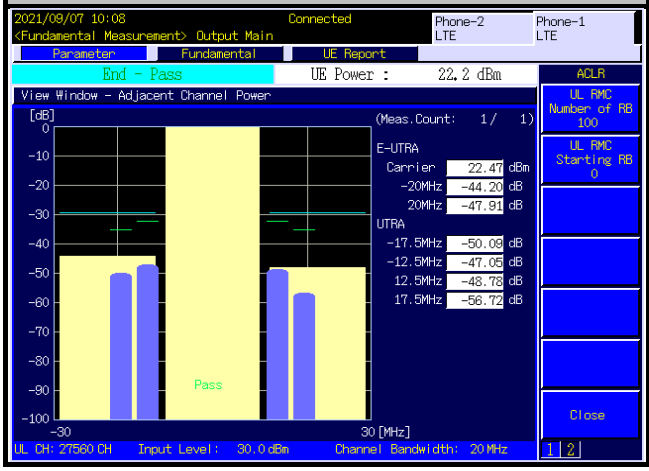
Ch27435



Ch27610

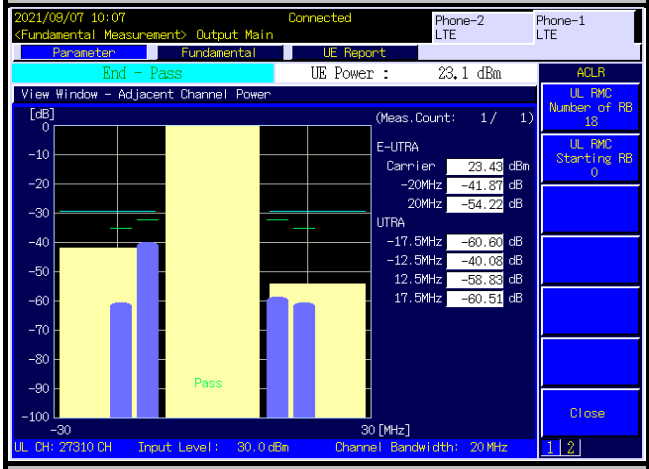


Bandwidth: 20 MHz / QPSK (100 RB / 0 RB Offset)

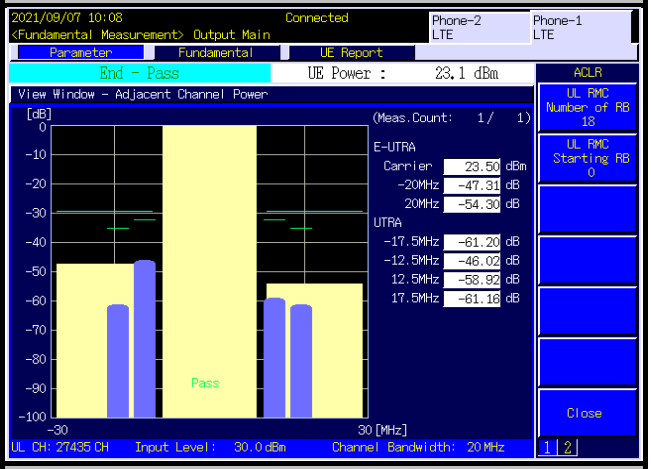
Ch27310	Ch27435
	
Ch27560	
	

Bandwidth: 20 MHz / QPSK (18 RB / 0 RB Offset)

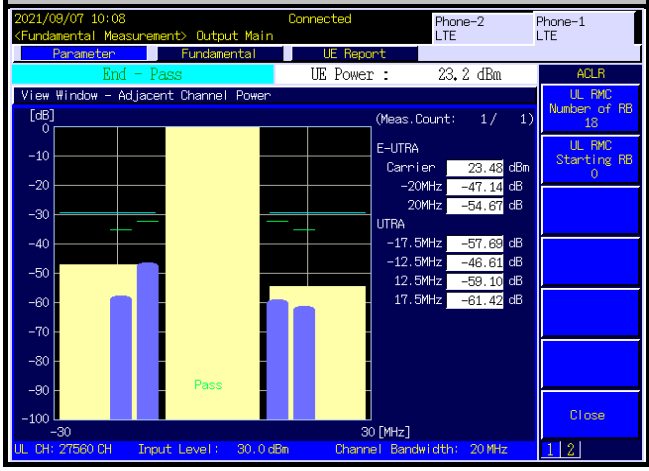
Ch27310



Ch27435

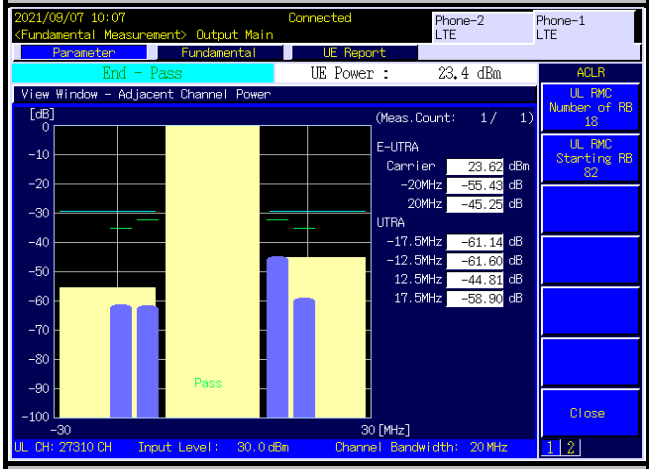


Ch27560

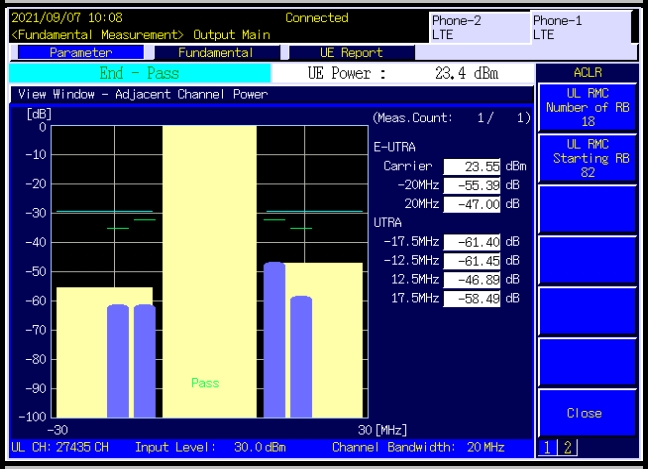


Bandwidth: 20 MHz / QPSK (18 RB / 82 RB Offset)

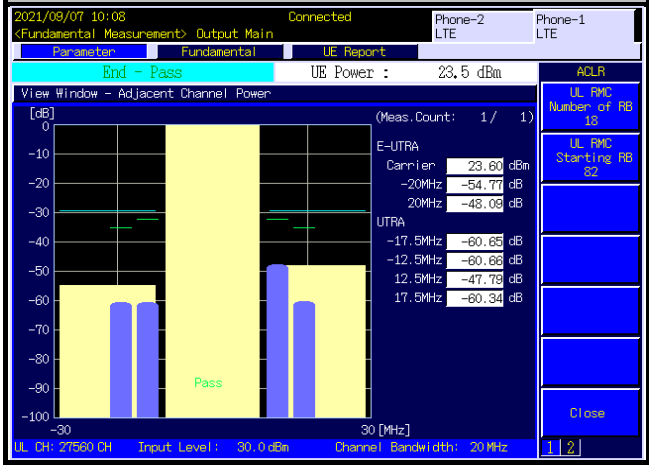
Ch27310



Ch27435

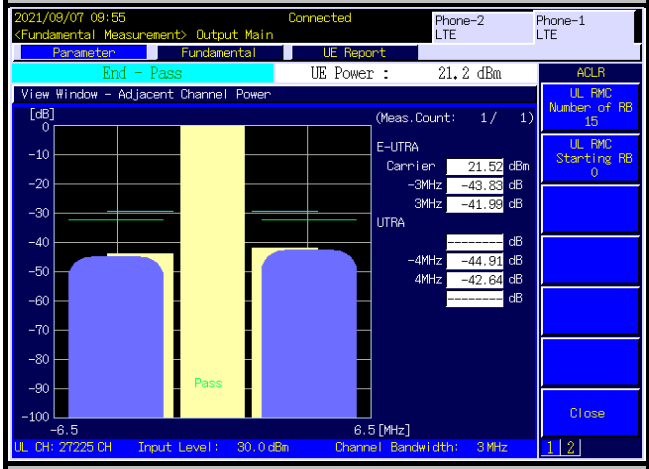
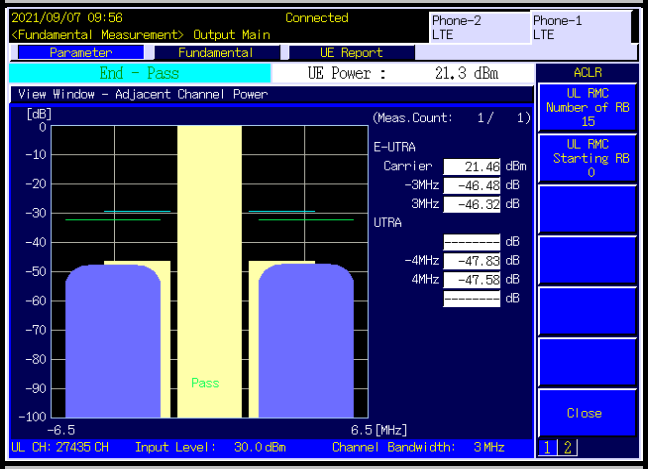
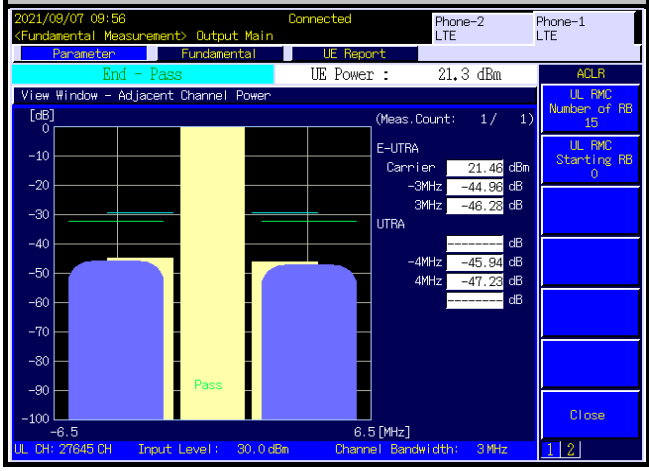


Ch27560

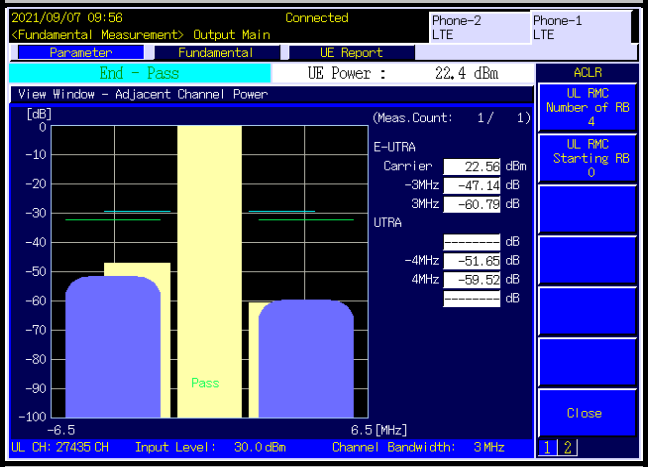
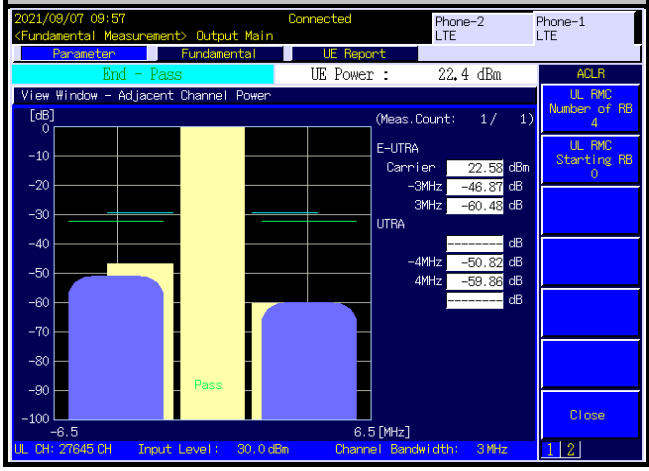


Bandwidth	Modulation	RB	Offset	Channel	ACLR (dB)	Min. Limit (dB)	Pass / Fail
3 MHz	16QAM	15	0	27225	-41.99	-29.2	Pass
				27435	-46.32	-29.2	Pass
				27645	-44.96	-29.2	Pass
		4	0	27225	-39.99	-29.2	Pass
				27435	-47.14	-29.2	Pass
				27645	-46.87	-29.2	Pass
		4	11	27225	-40.42	-29.2	Pass
				27435	-48.17	-29.2	Pass
				27645	-46.94	-29.2	Pass
5 MHz	16QAM	25	0	27235	-44.39	-29.2	Pass
				27435	-45.30	-29.2	Pass
				27635	-45.42	-29.2	Pass
		8	0	27235	-39.81	-29.2	Pass
				27435	-46.96	-29.2	Pass
				27635	-46.33	-29.2	Pass
		8	17	27235	-40.94	-29.2	Pass
				27435	-48.29	-29.2	Pass
				27635	-46.56	-29.2	Pass
10 MHz	16QAM	50	0	27260	-43.65	-29.2	Pass
				27435	-43.07	-29.2	Pass
				27610	-45.00	-29.2	Pass
		12	0	27260	-41.61	-29.2	Pass
				27435	-48.27	-29.2	Pass
				27610	-48.45	-29.2	Pass
		12	38	27260	-45.76	-29.2	Pass
				27435	-49.01	-29.2	Pass
				27610	-47.24	-29.2	Pass
20 MHz	16QAM	100	0	27310	-41.91	-29.2	Pass
				27435	-40.57	-29.2	Pass
				27560	-44.41	-29.2	Pass
		18	0	27310	-43.96	-29.2	Pass
				27435	-48.36	-29.2	Pass
				27560	-47.68	-29.2	Pass
		18	82	27310	-45.53	-29.2	Pass
				27435	-47.54	-29.2	Pass
				27560	-48.47	-29.2	Pass

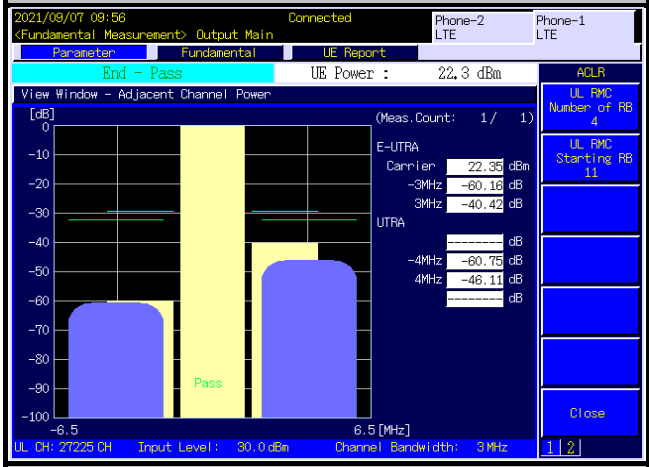
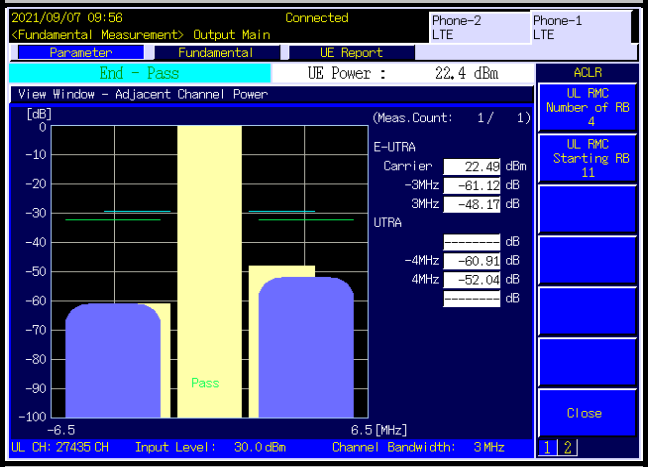
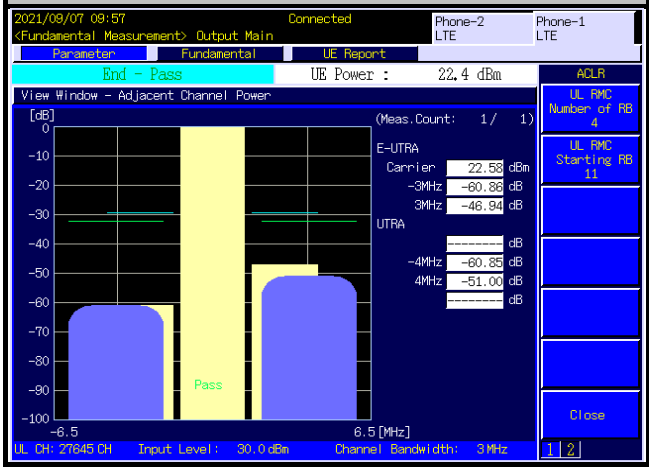
Bandwidth: 3 MHz / 16QAM (15 RB / 0 RB Offset)

Ch27225	Ch27435
	
Ch27645	
	

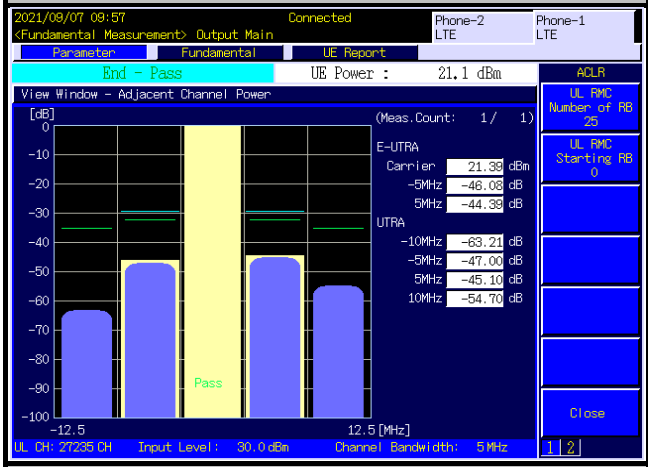
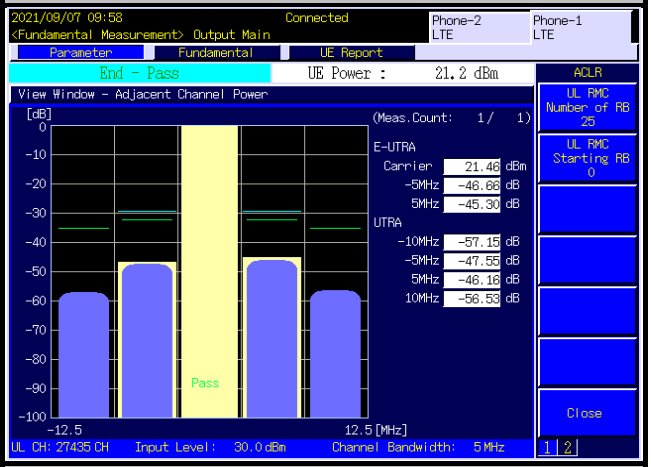
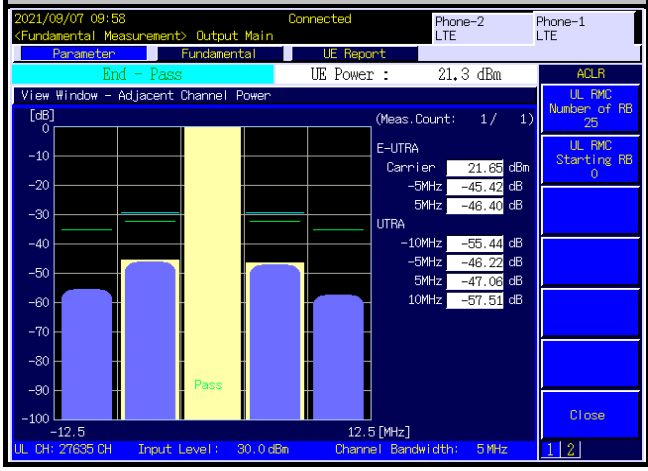
Bandwidth: 3 MHz / 16QAM (4 RB / 0 RB Offset)

Ch27225	Ch27435
	
Ch27645	
	

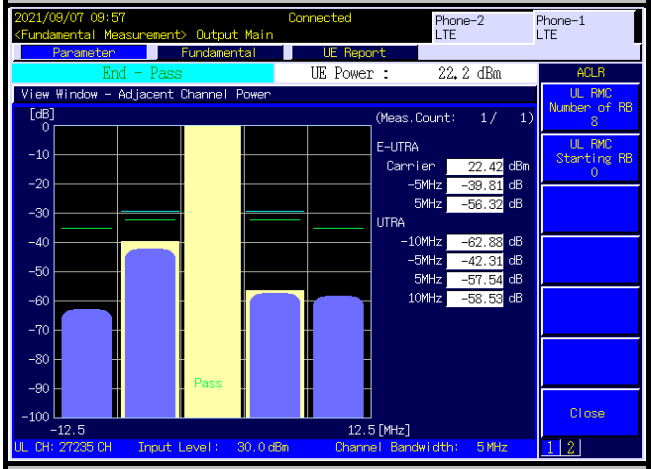
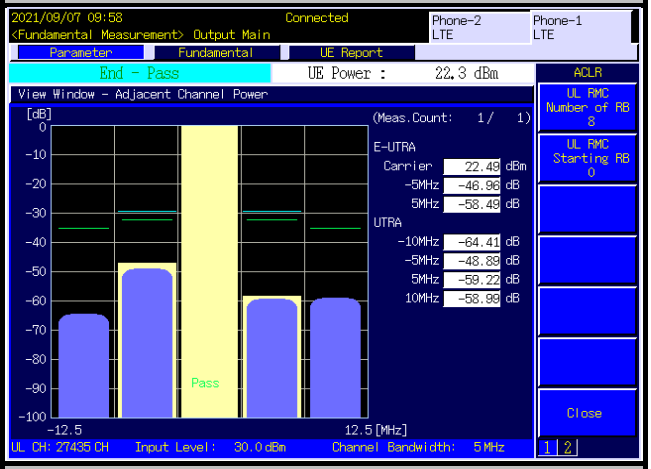
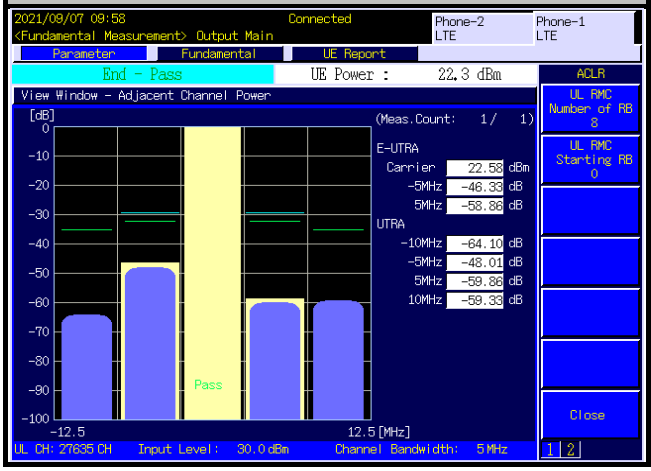
Bandwidth: 3 MHz / 16QAM (4 RB / 11 RB Offset)

Ch27225	Ch27435
	
Ch27645	
	

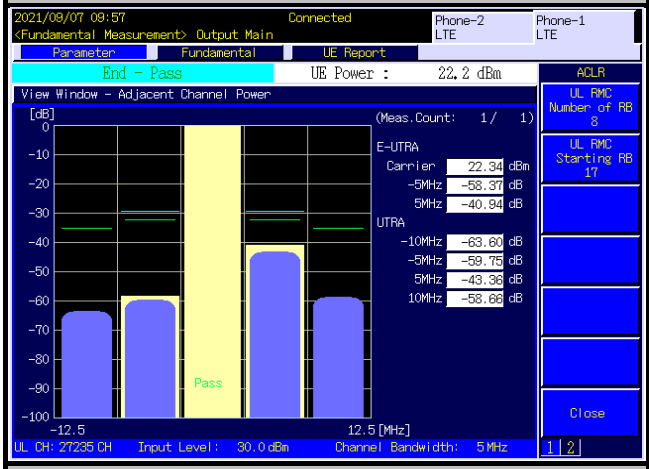
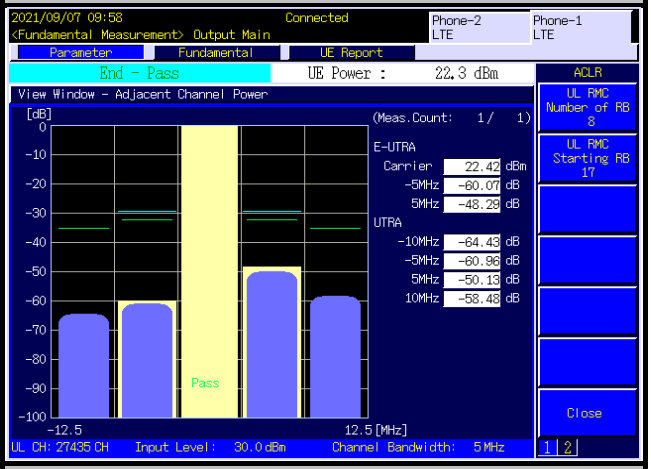
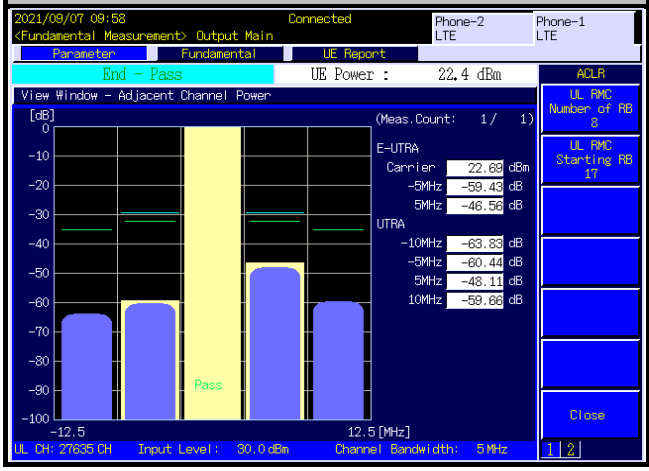
Bandwidth: 5 MHz / 16QAM (25 RB / 0 RB Offset)

Ch27235	Ch27435
	
Ch27635	
	

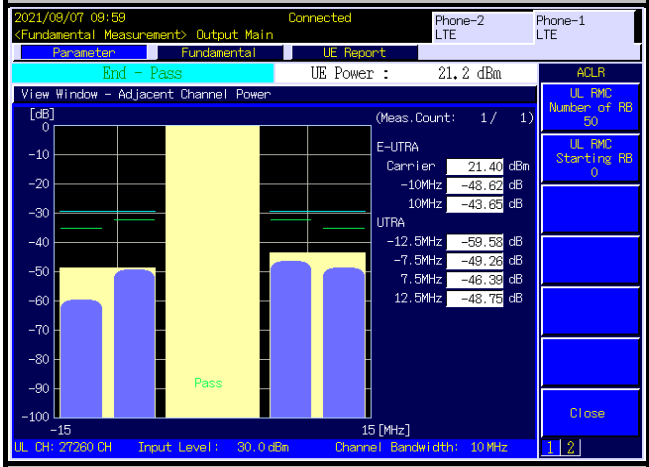
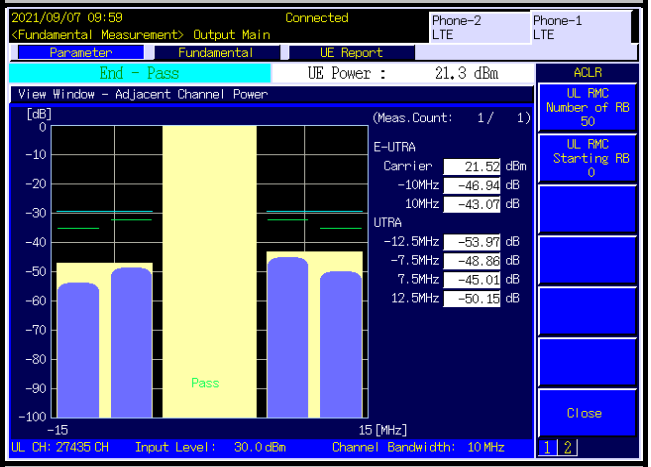
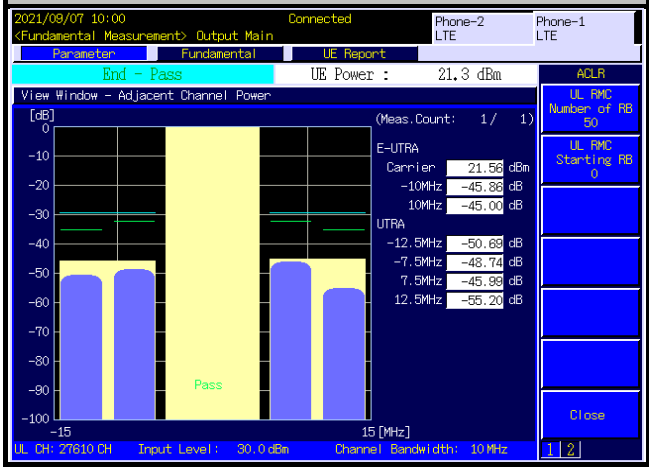
Bandwidth: 5 MHz / 16QAM (8 RB / 0 RB Offset)

Ch27235	Ch27435
	
Ch27635	
	

Bandwidth: 5 MHz / 16QAM (8 RB / 17 RB Offset)

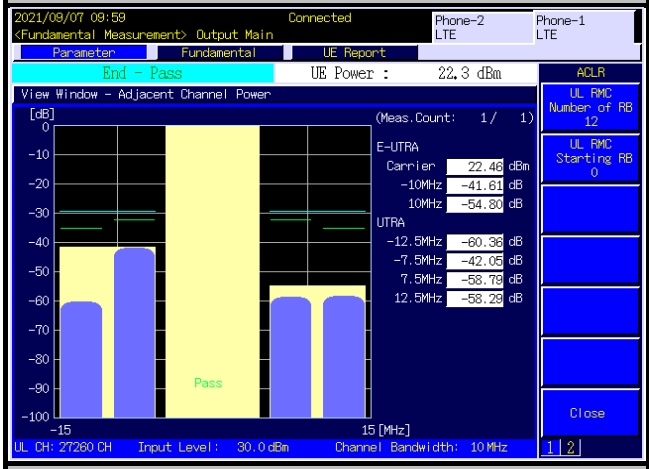
Ch27235	Ch27435
	
Ch27635	
	

Bandwidth: 10 MHz / 16QAM (50 RB / 0 RB Offset)

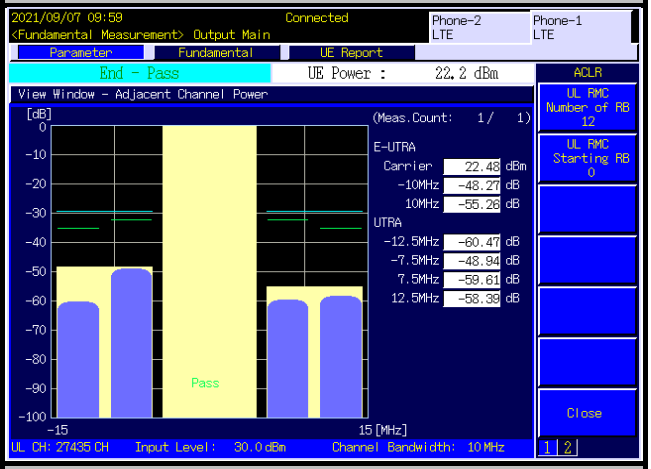
Ch27260	Ch27435
	
Ch27610	
	

Bandwidth: 10 MHz / 16QAM (12 RB / 0 RB Offset)

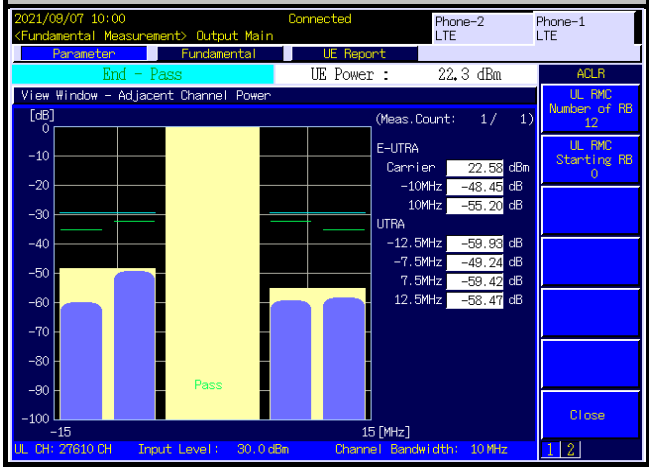
Ch27260



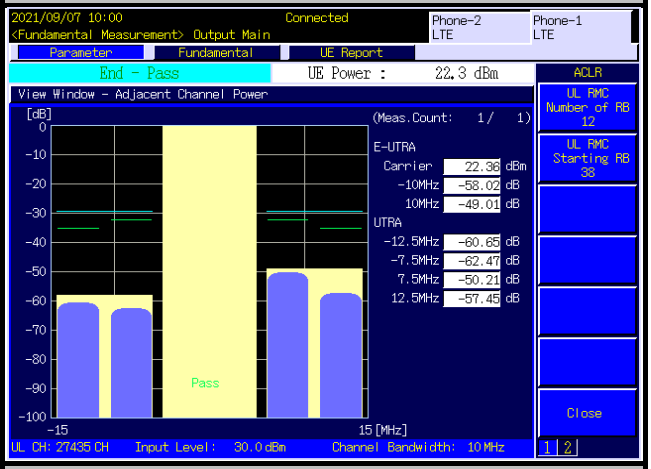
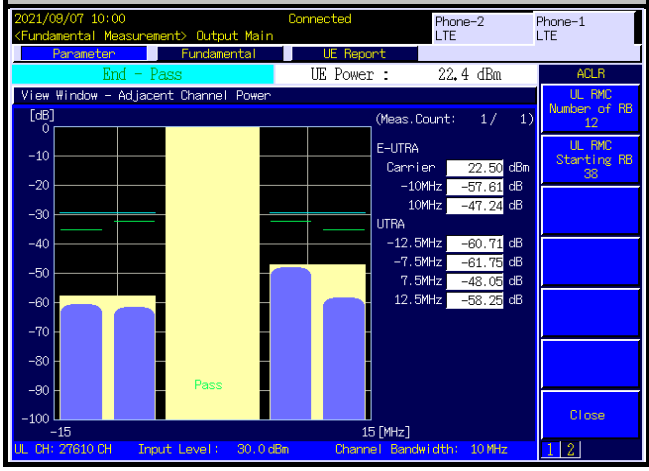
Ch27435



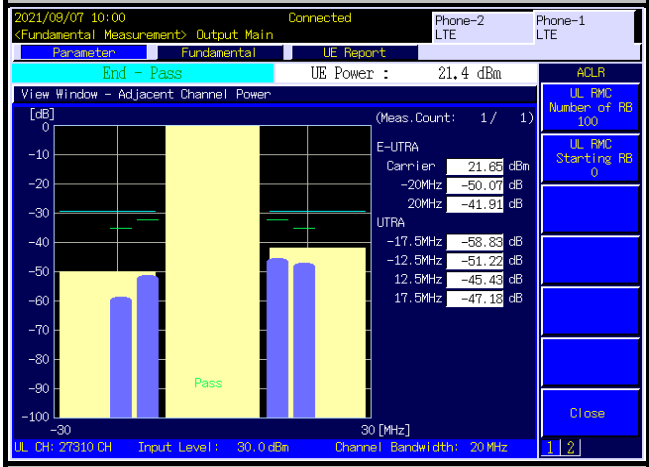
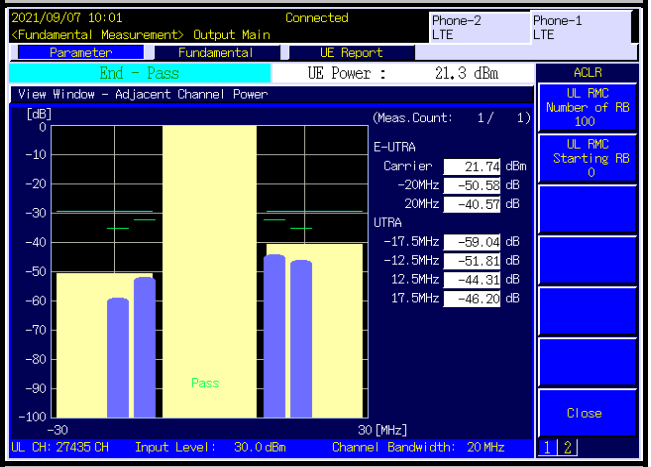
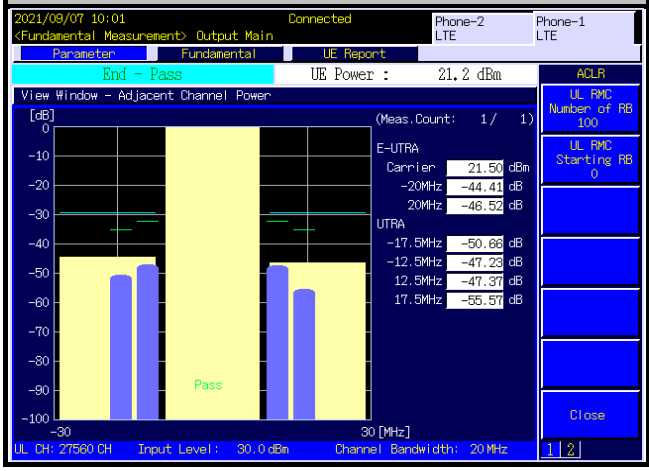
Ch27610



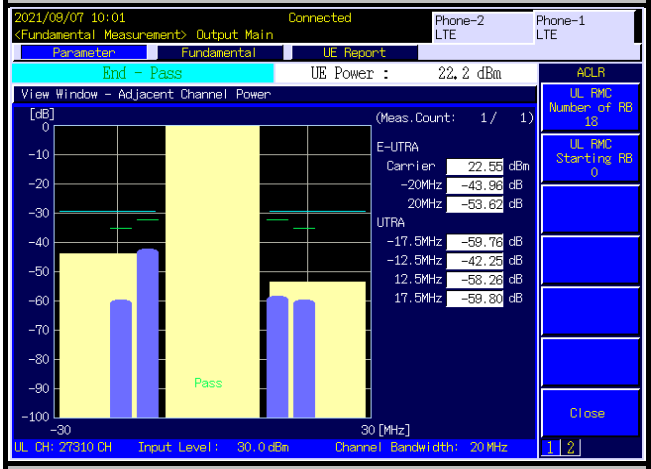
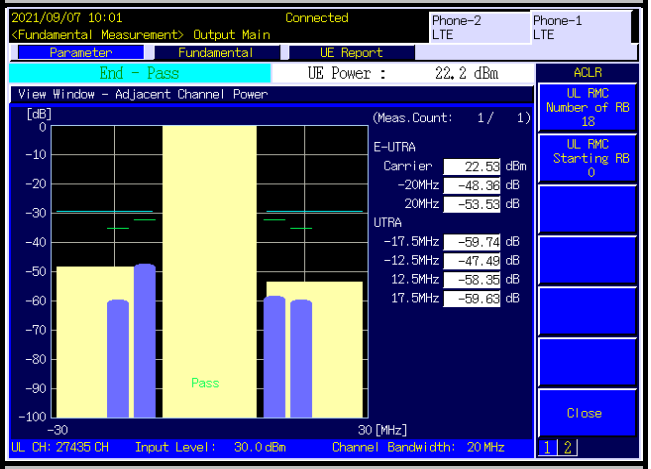
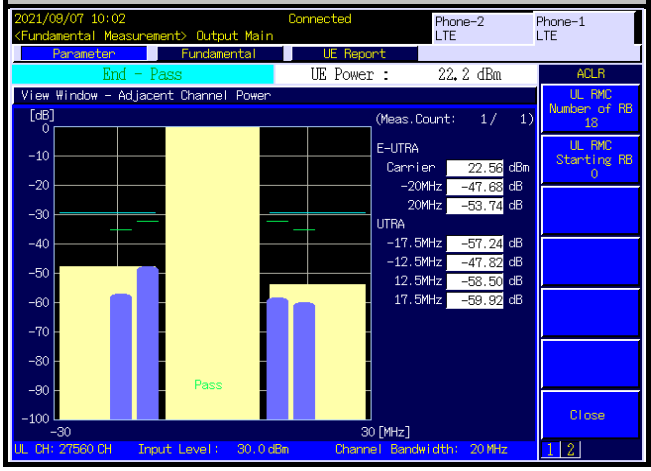
Bandwidth: 10 MHz / 16QAM (12 RB / 38 RB Offset)

Ch27260	Ch27435
	
Ch27610	
	

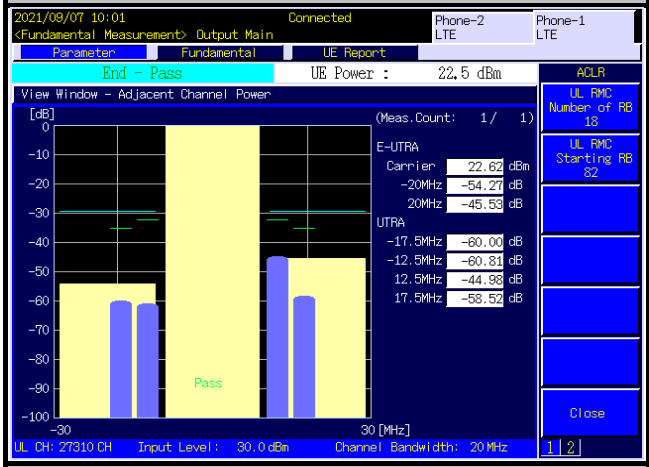
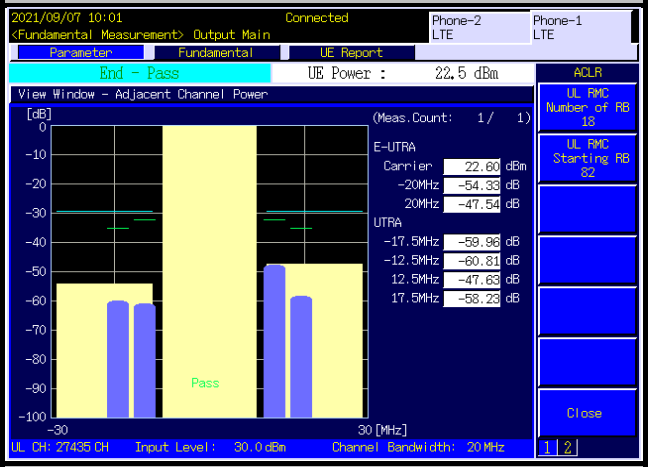
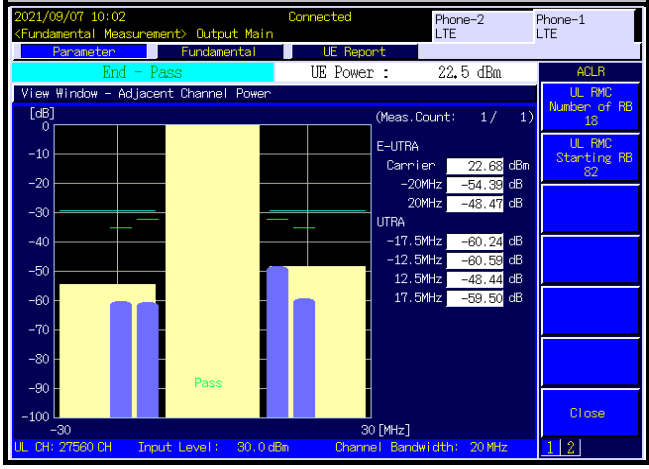
Bandwidth: 20 MHz / 16QAM (100 RB / 0 RB Offset)

Ch27310	Ch27435
	
Ch27560	
	

Bandwidth: 20 MHz / 16QAM (18 RB / 0 RB Offset)

Ch27310	Ch27435
	
Ch27560	
	

Bandwidth: 20 MHz / 16QAM (18 RB / 82 RB Offset)

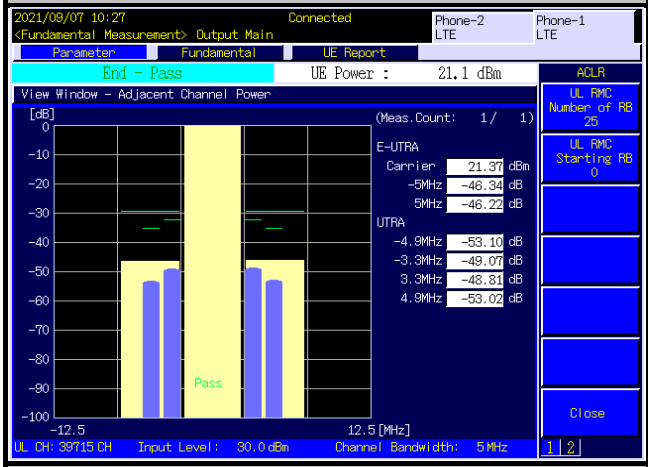
Ch27310	Ch27435
	
Ch27560	
	

LTE Band 41

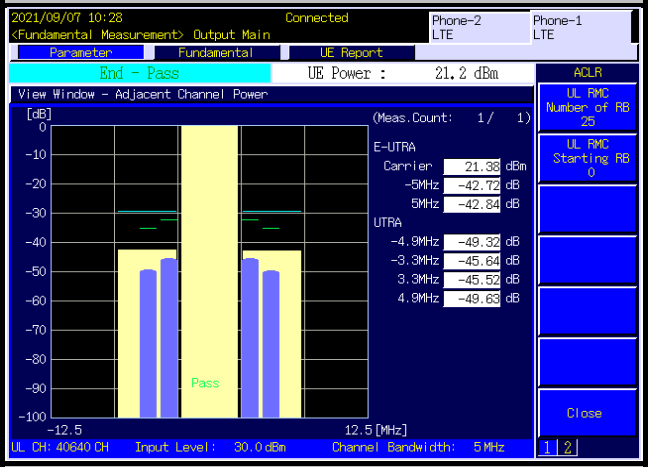
Bandwidth	Modulation	RB	Offset	Channel	ACLR (dB)	Min. Limit (dB)	Pass / Fail
5 MHz	QPSK	25	0	39715	-46.22	-29.2	Pass
				40640	-42.72	-29.2	Pass
				41565	-41.97	-29.2	Pass
		8	0	39715	-46.16	-29.2	Pass
				40640	-43.85	-29.2	Pass
				41565	-43.72	-29.2	Pass
		8	17	39715	-45.29	-29.2	Pass
				40640	-43.35	-29.2	Pass
				41565	-44.04	-29.2	Pass
10 MHz	QPSK	50	0	39740	-46.10	-29.2	Pass
				40640	-42.76	-29.2	Pass
				41540	-42.03	-29.2	Pass
		12	0	39740	-46.21	-29.2	Pass
				40640	-44.38	-29.2	Pass
				41540	-44.61	-29.2	Pass
		12	38	39740	-46.01	-29.2	Pass
				40640	-44.58	-29.2	Pass
				41540	-45.33	-29.2	Pass
20 MHz	QPSK	100	0	39790	-45.61	-29.2	Pass
				40640	-42.86	-29.2	Pass
				41490	-42.01	-29.2	Pass
		18	0	39790	-47.42	-29.2	Pass
				40640	-45.73	-29.2	Pass
				41490	-45.76	-29.2	Pass
		18	82	39790	-46.68	-29.2	Pass
				40640	-45.56	-29.2	Pass
				41490	-46.64	-29.2	Pass

Bandwidth: 5 MHz / QPSK (25 RB / 0 RB Offset)

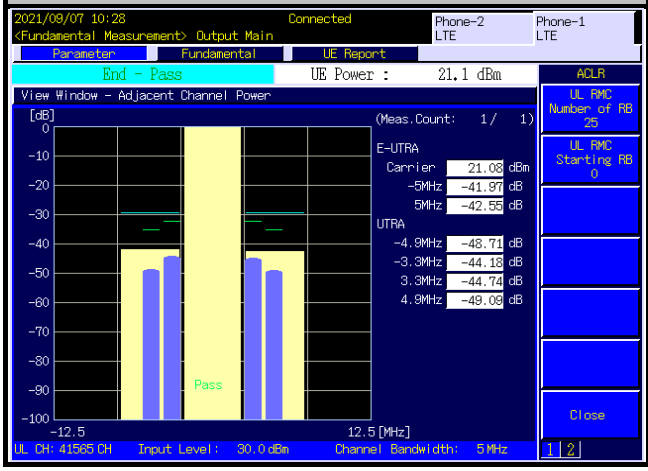
Ch39715



Ch40640



Ch41565

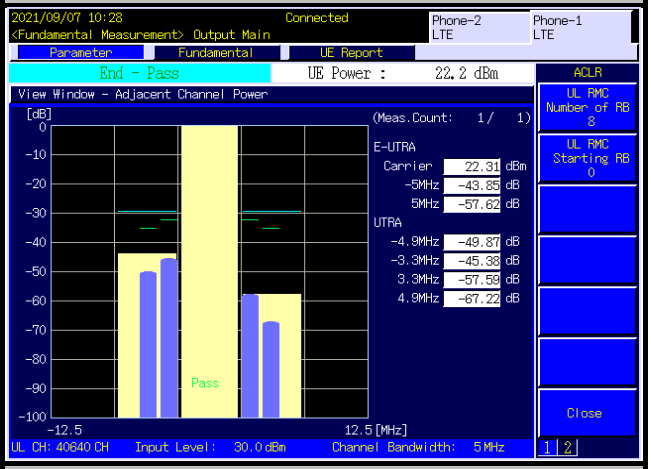


Bandwidth: 5 MHz / QPSK (8 RB / 0 RB Offset)

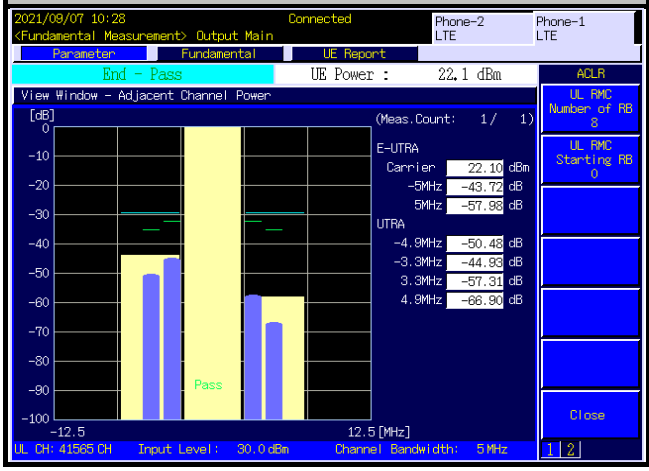
Ch39715



Ch40640

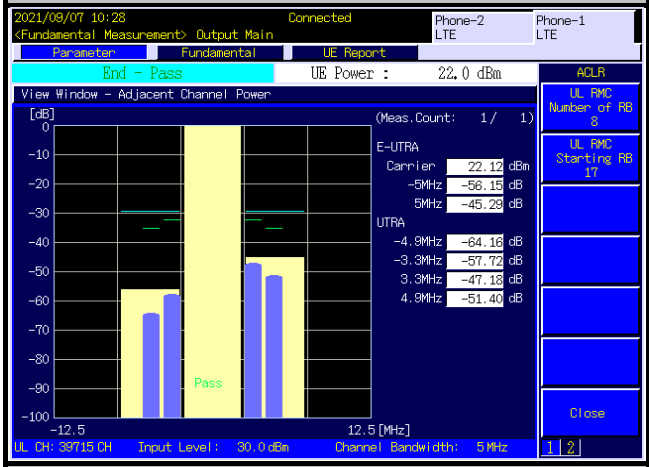


Ch41565

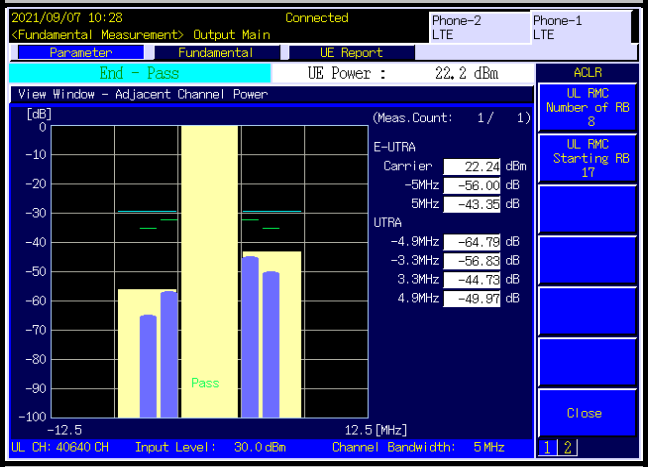


Bandwidth: 5 MHz / QPSK (8 RB / 17 RB Offset)

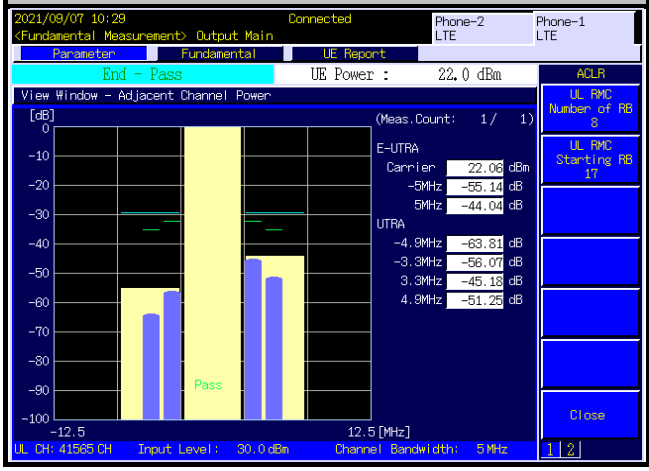
Ch39715



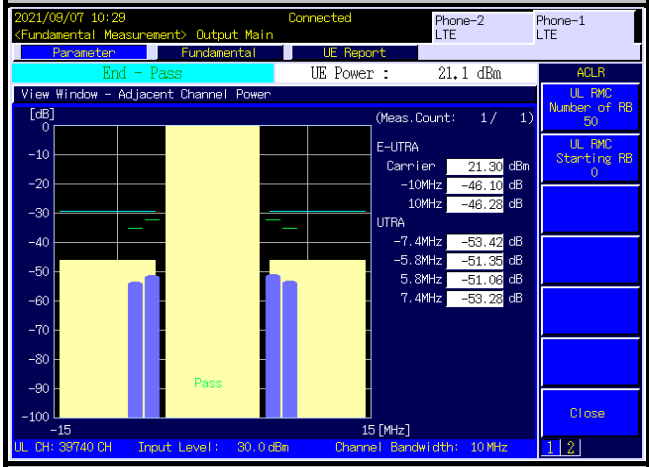
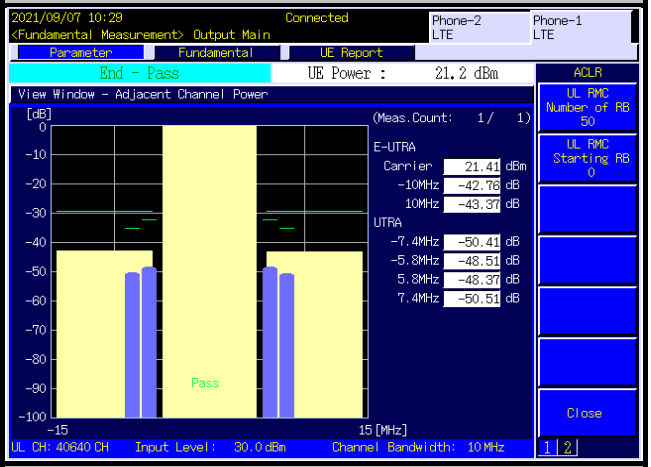
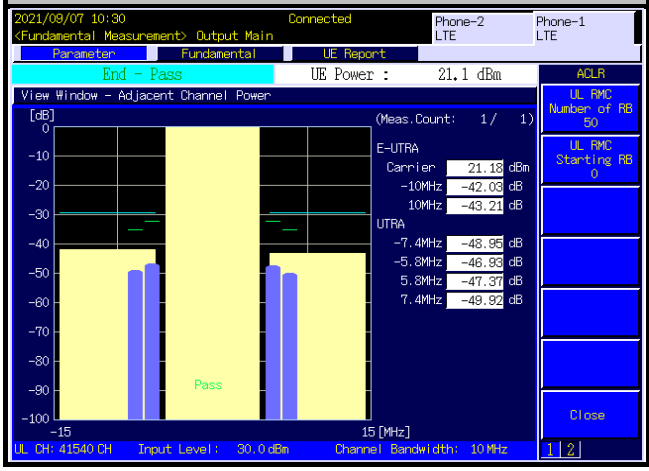
Ch40640



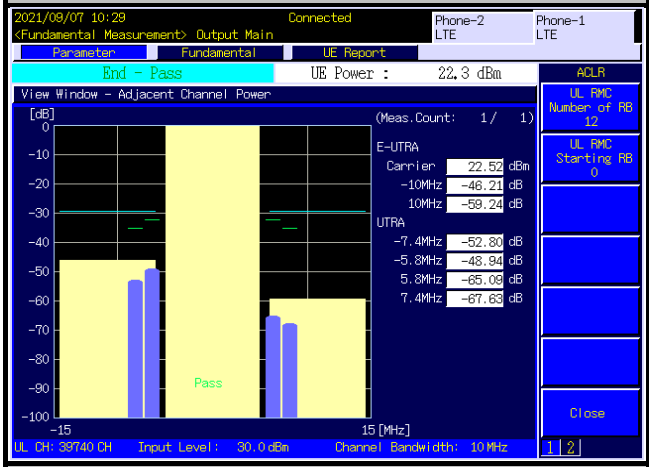
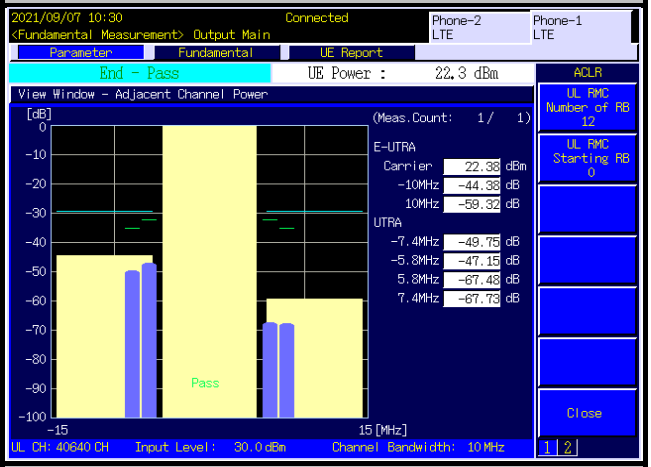
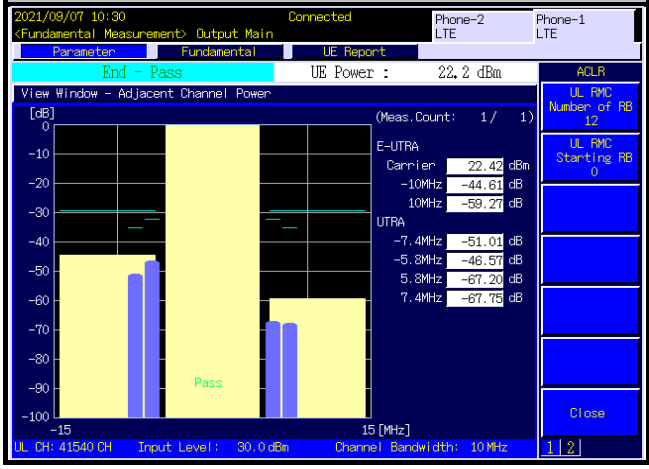
Ch41565



Bandwidth: 10 MHz / QPSK (50 RB / 0 RB Offset)

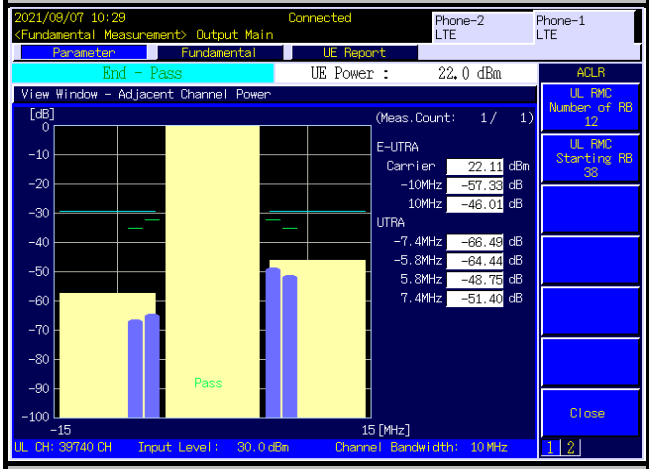
Ch39740	Ch40640
	
Ch41540	
	

Bandwidth: 10 MHz / QPSK (12 RB / 0 RB Offset)

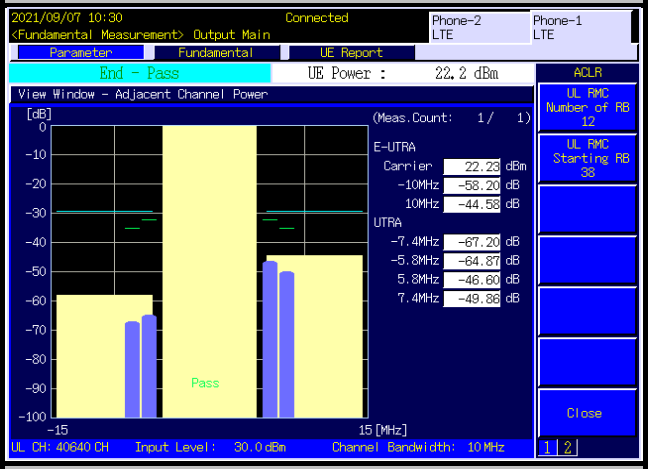
Ch39740	Ch40640
	
Ch41540	
	

Bandwidth: 10 MHz / QPSK (12 RB / 38 RB Offset)

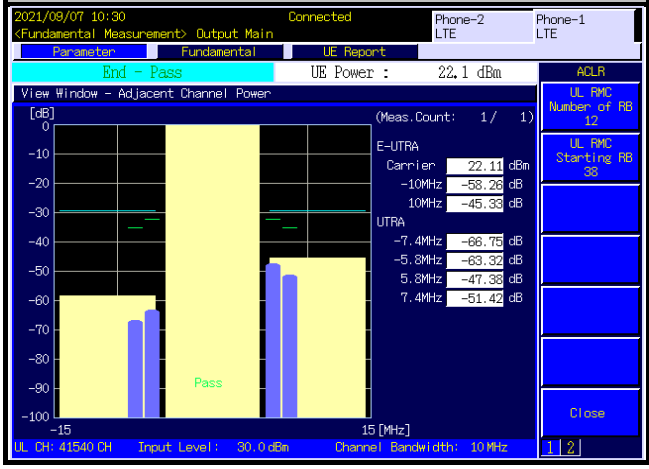
Ch39740



Ch40640

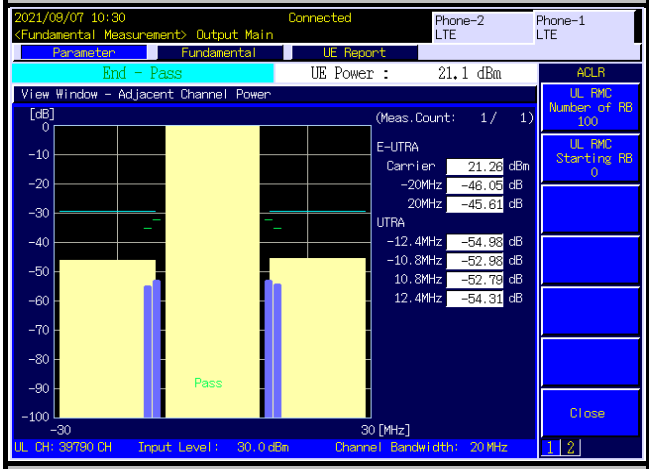


Ch41540

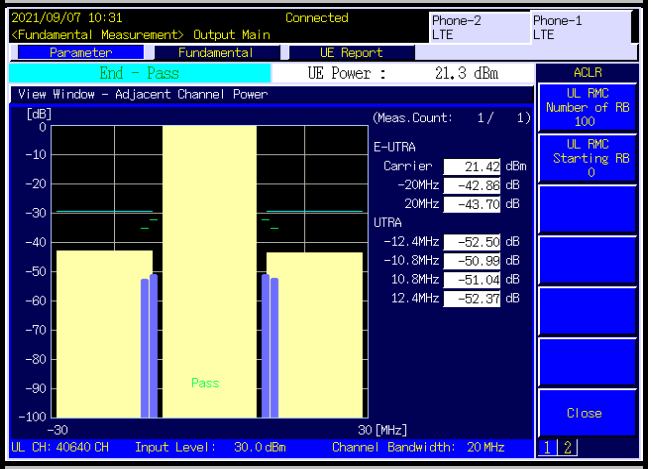


Bandwidth: 20 MHz / QPSK (100 RB / 0 RB Offset)

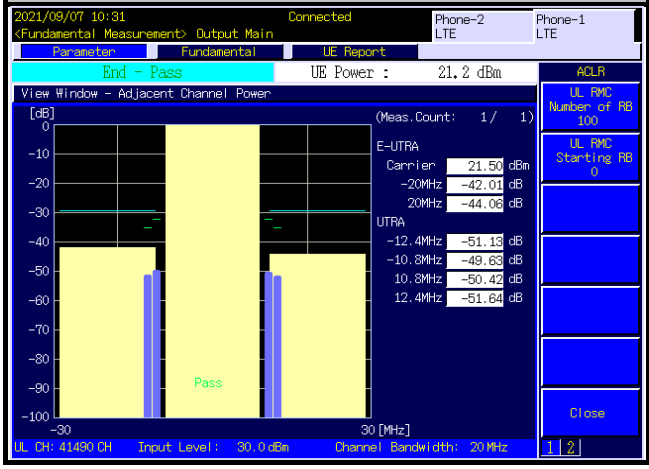
Ch39790



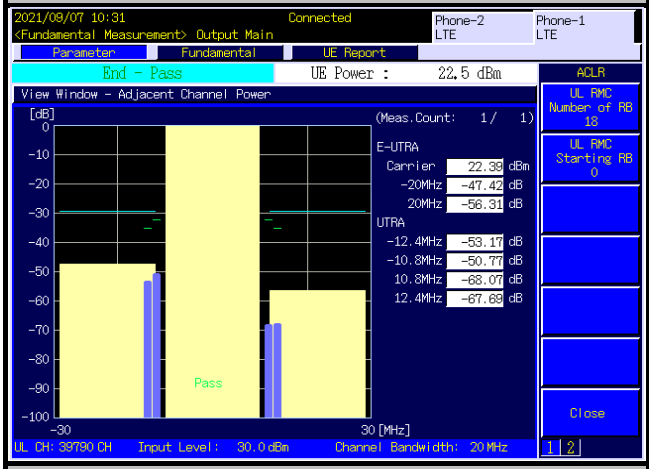
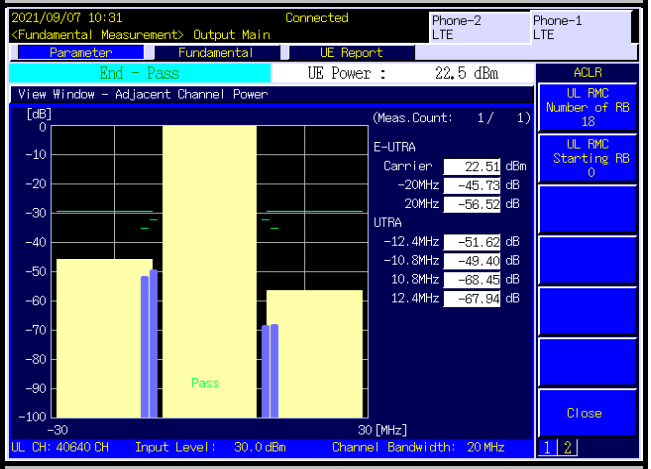
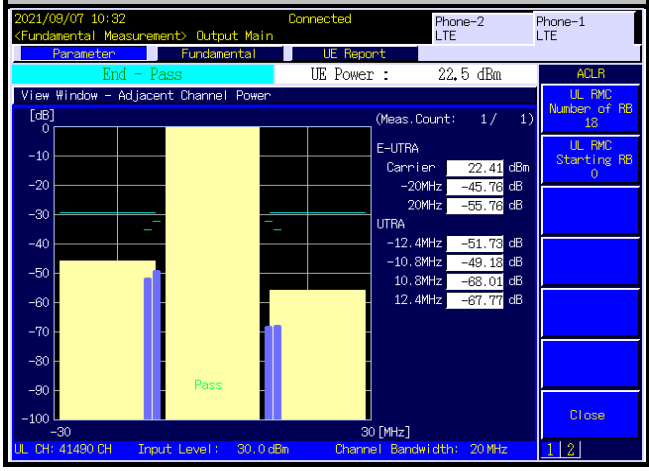
Ch40640



Ch41490

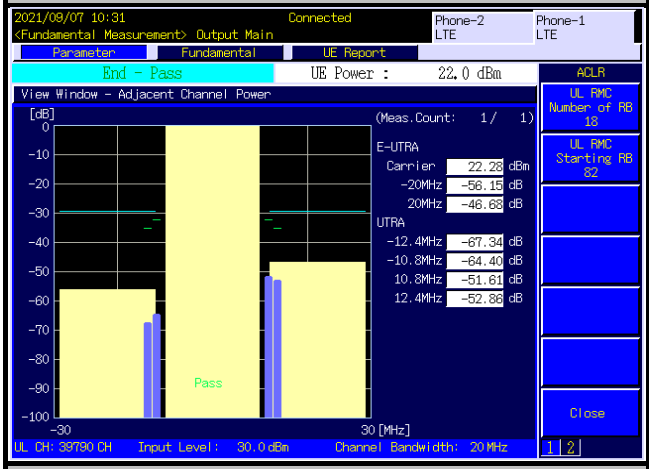


Bandwidth: 20 MHz / QPSK (18 RB / 0 RB Offset)

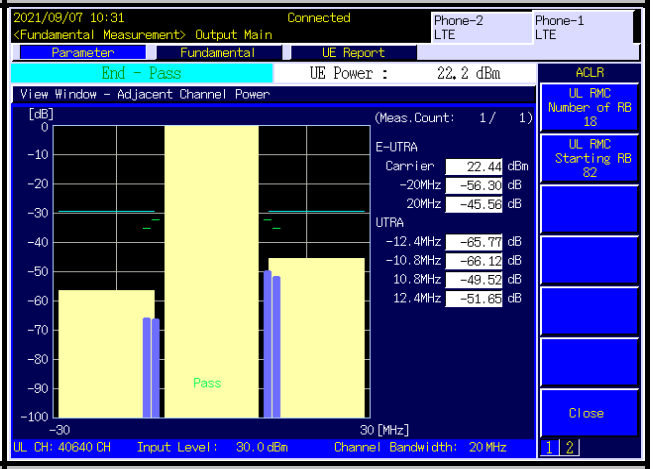
Ch39790	Ch40640
	
Ch41490	
	

Bandwidth: 20 MHz / QPSK (18 RB / 82 RB Offset)

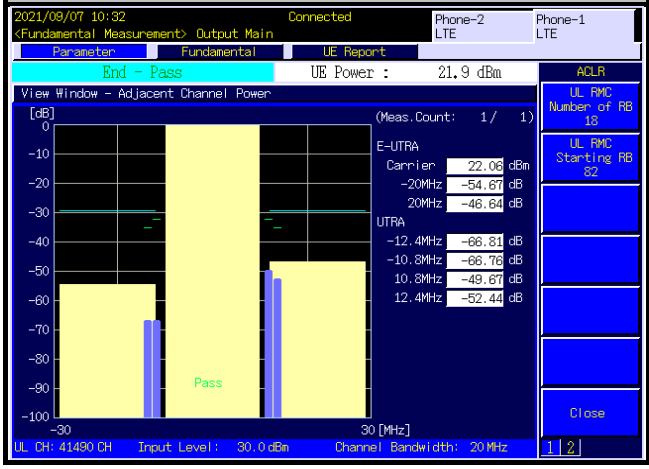
Ch39790



Ch40640

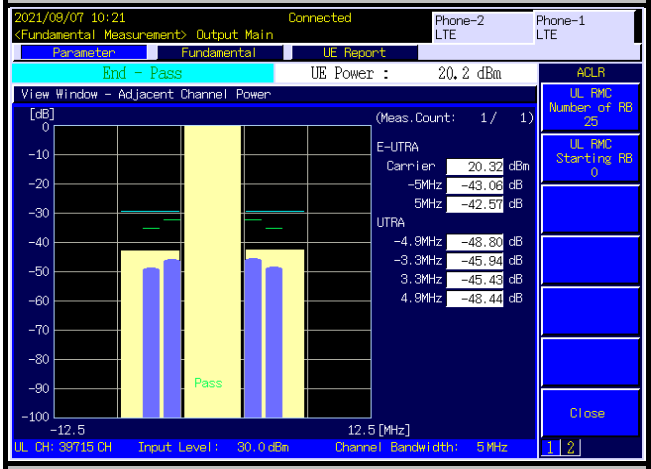
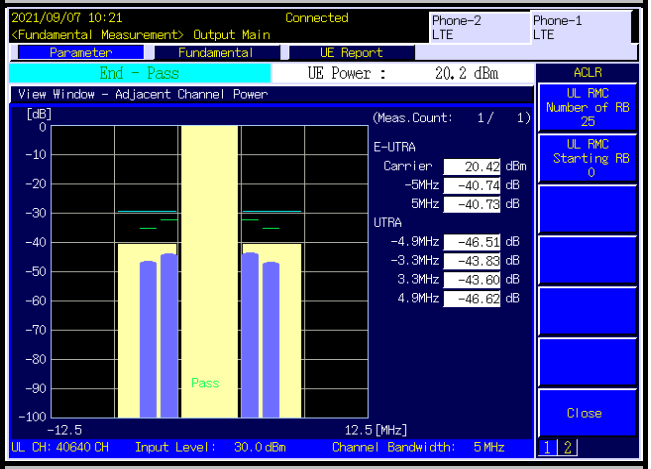
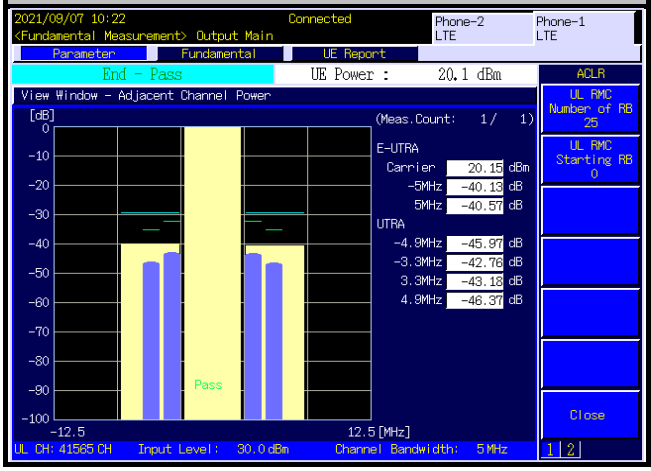


Ch41490

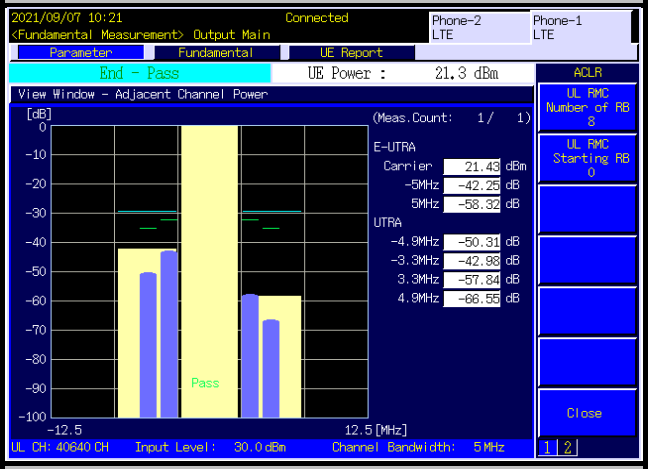
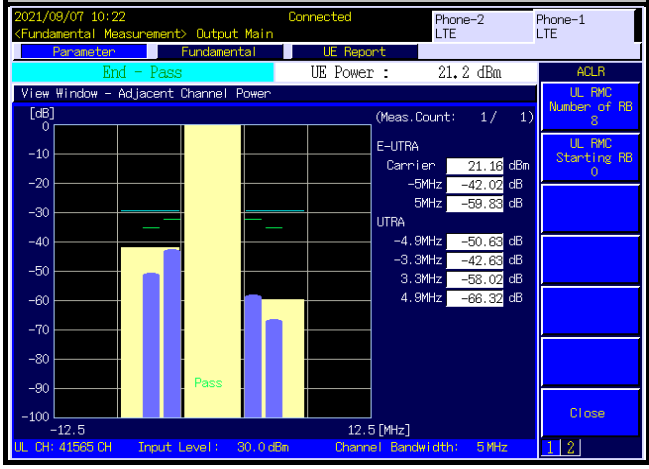


Bandwidth	Modulation	RB	Offset	Channel	ACLR (dB)	Min. Limit (dB)	Pass / Fail
5 MHz	16QAM	25	0	39715	-42.57	-29.2	Pass
				40640	-40.73	-29.2	Pass
				41565	-40.13	-29.2	Pass
		8	0	39715	-44.13	-29.2	Pass
				40640	-42.25	-29.2	Pass
				41565	-42.02	-29.2	Pass
		8	17	39715	-43.26	-29.2	Pass
				40640	-41.79	-29.2	Pass
				41565	-42.01	-29.2	Pass
10 MHz	16QAM	50	0	39740	-43.03	-29.2	Pass
				40640	-40.67	-29.2	Pass
				41540	-40.28	-29.2	Pass
		12	0	39740	-45.10	-29.2	Pass
				40640	-43.06	-29.2	Pass
				41540	-43.05	-29.2	Pass
		12	38	39740	-44.28	-29.2	Pass
				40640	-42.71	-29.2	Pass
				41540	-43.44	-29.2	Pass
20 MHz	16QAM	100	0	39790	-43.09	-29.2	Pass
				40640	-40.69	-29.2	Pass
				41490	-39.92	-29.2	Pass
		18	0	39790	-46.22	-29.2	Pass
				40640	-44.21	-29.2	Pass
				41490	-44.29	-29.2	Pass
		18	82	39790	-45.42	-29.2	Pass
				40640	-44.41	-29.2	Pass
				41490	-45.27	-29.2	Pass

Bandwidth: 5 MHz / 16QAM (25 RB / 0 RB Offset)

Ch39715	Ch40640
	
Ch41565	
	

Bandwidth: 5 MHz / 16QAM (8 RB / 0 RB Offset)

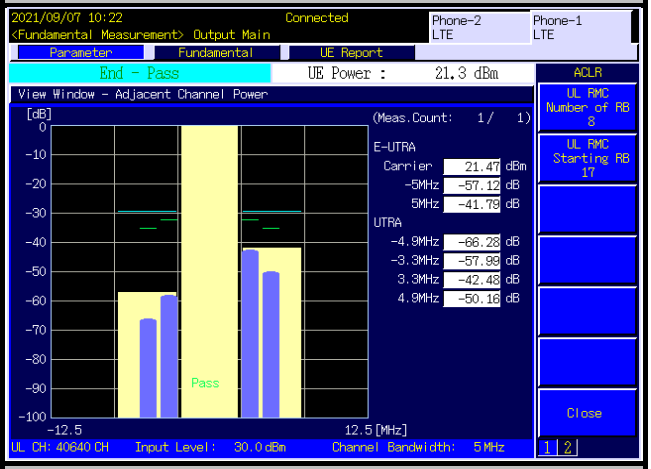
Ch39715	Ch40640
	
Ch41565	
	

Bandwidth: 5 MHz / 16QAM (8 RB / 17 RB Offset)

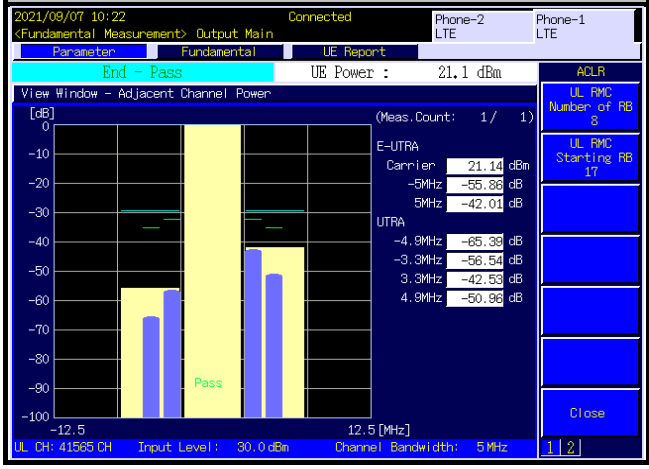
Ch39715



Ch40640

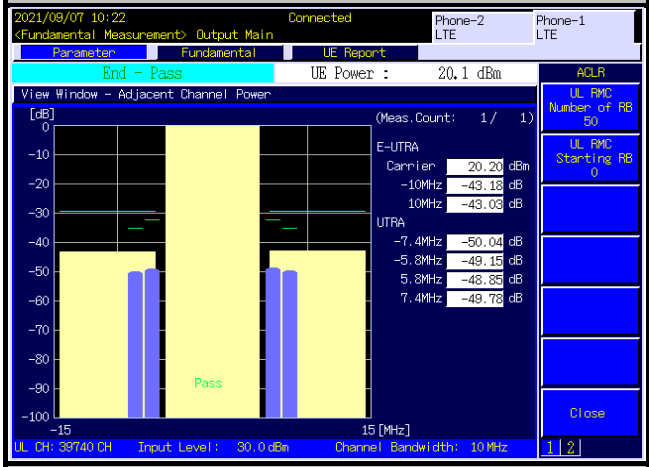


Ch41565

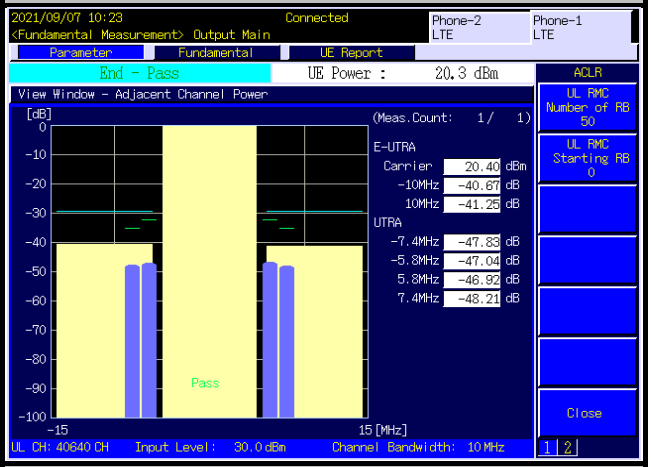


Bandwidth: 10 MHz / 16QAM (50 RB / 0 RB Offset)

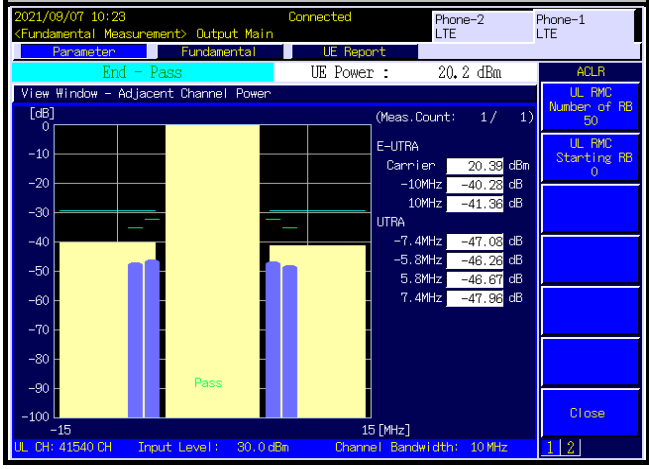
Ch39740



Ch40640

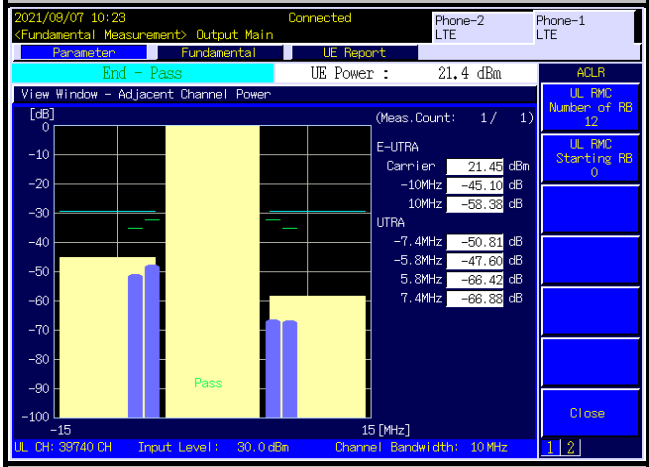


Ch41540

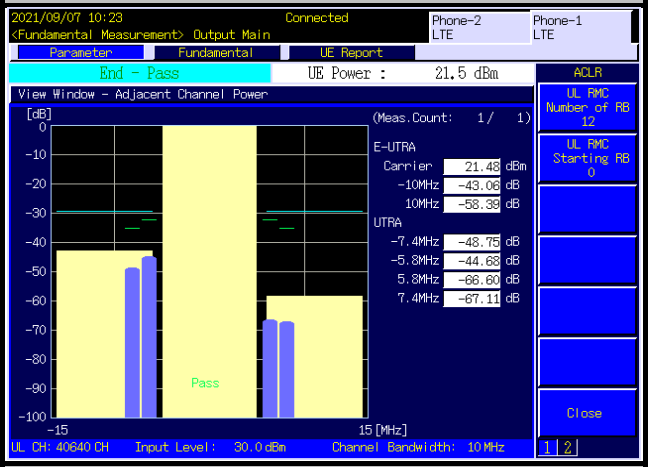


Bandwidth: 10 MHz / 16QAM (12 RB / 0 RB Offset)

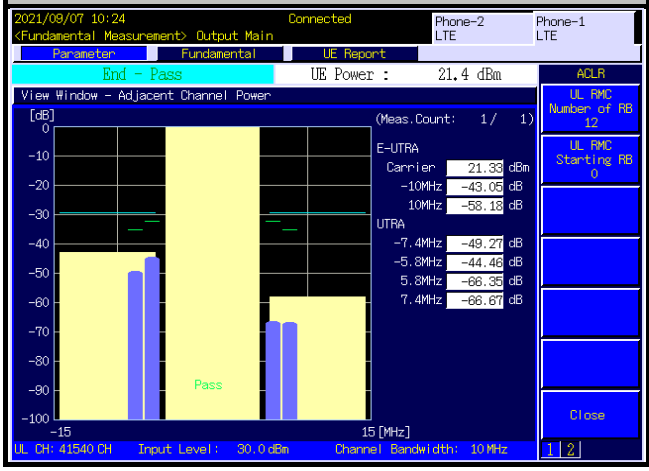
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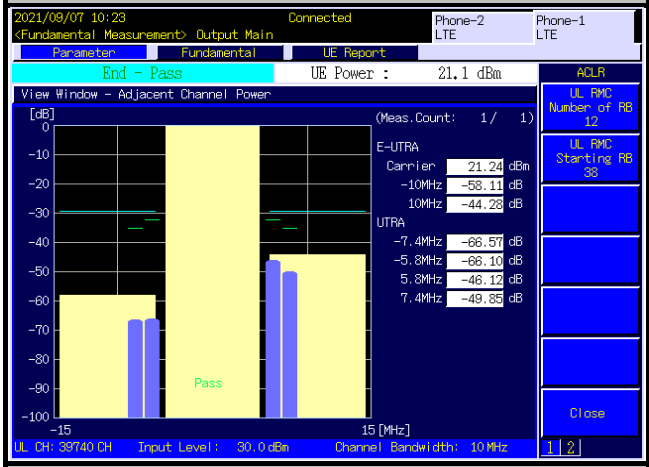
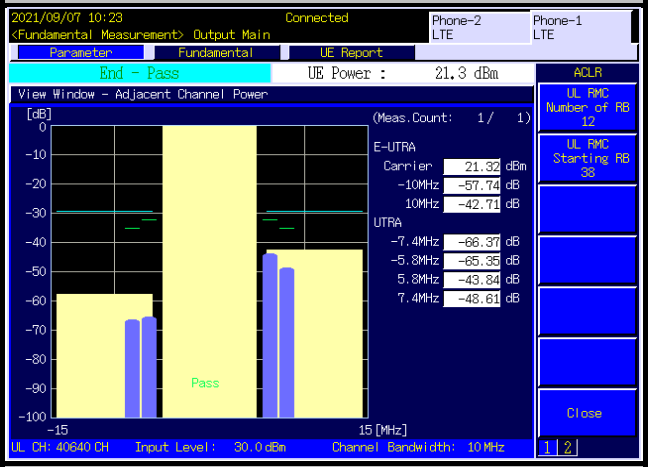
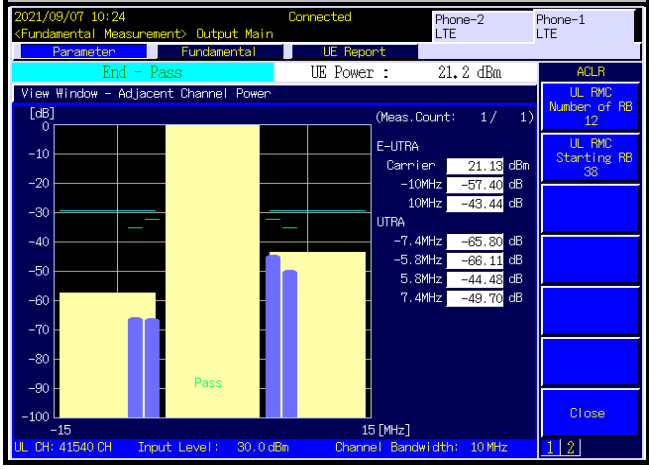
Ch40640



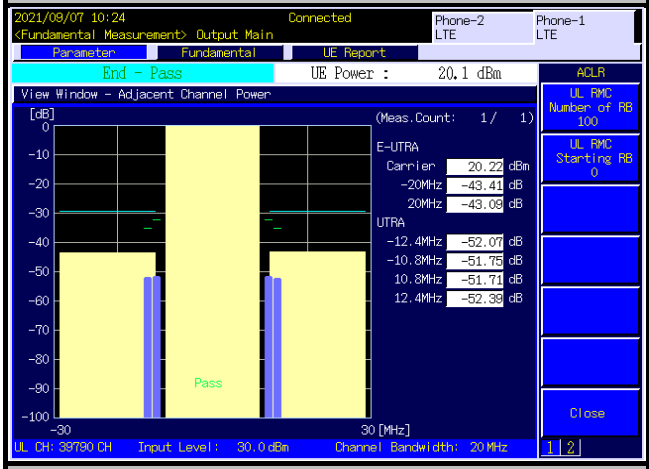
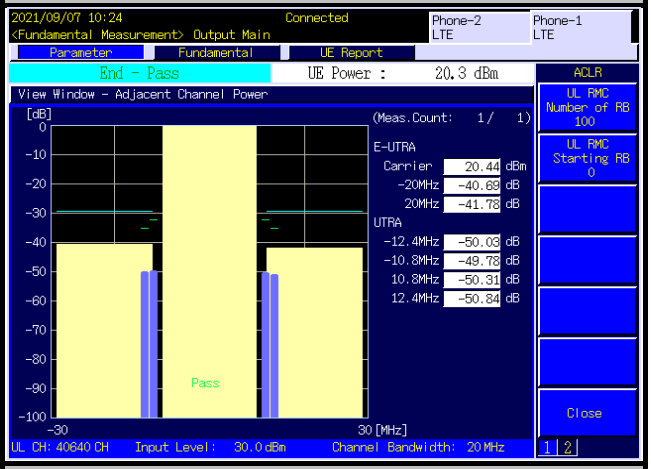
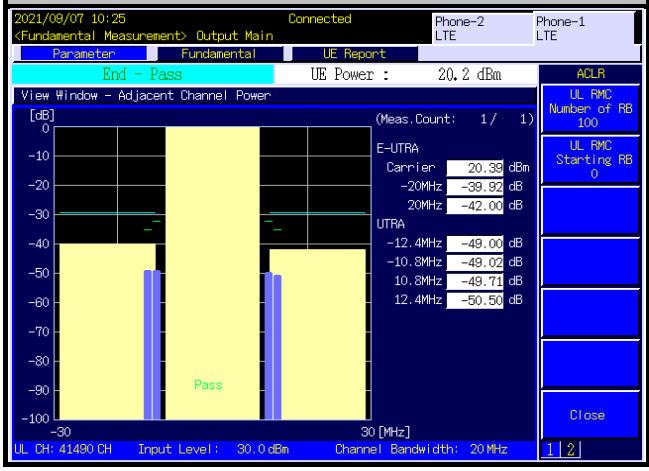
Ch41540



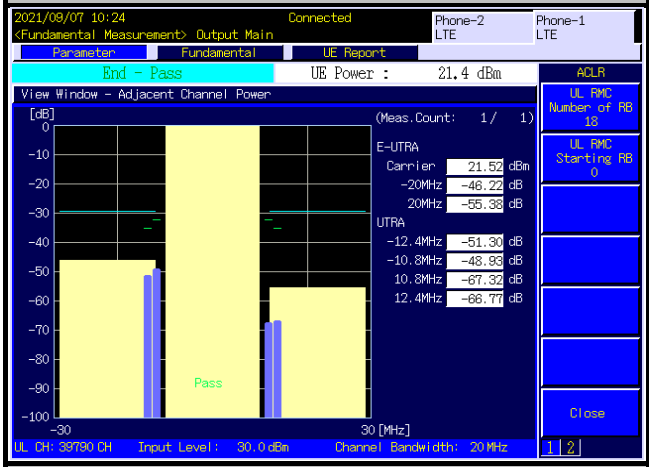
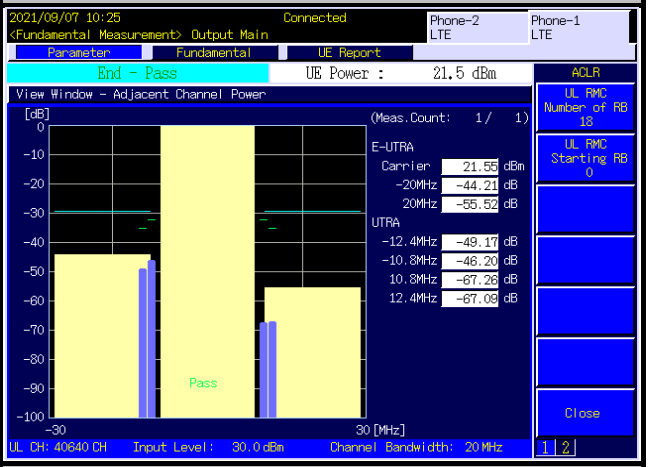
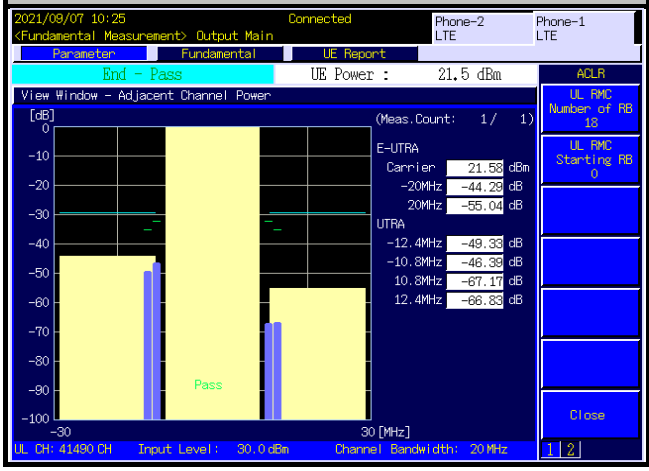
Bandwidth: 10 MHz / 16QAM (12 RB / 38 RB Offset)

Ch39740	Ch40640
	
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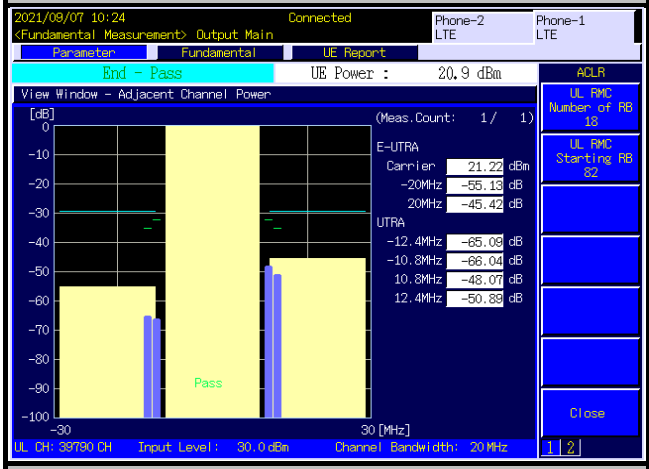
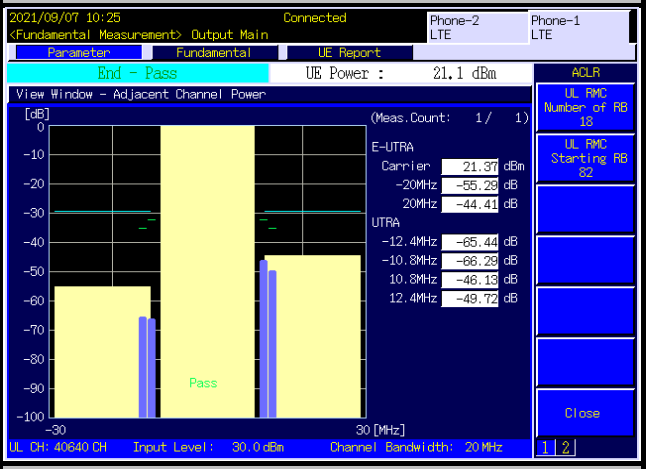
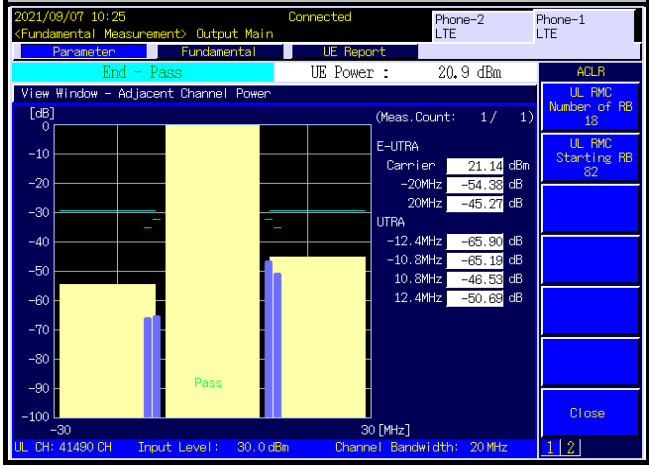
Bandwidth: 20 MHz / 16QAM (100 RB / 0 RB Offset)

Ch39790	Ch40640
	
Ch41490	
	

Bandwidth: 20 MHz / 16QAM (18 RB / 0 RB Offset)

Ch39790	Ch40640
	
Ch41490	
	

Bandwidth: 20 MHz / 16QAM (18 RB / 82 RB Offset)

Ch39790	Ch40640
	
Ch41490	
	

7. 頻率穩定度

7.1 適用標準

終端設備於常態環境常態電壓、低極端溫度低極端電壓、低極端溫度高極端電壓、高極端溫度低極端電壓、高極端溫度高極端電壓等五種測試環境下，分別進行頻率量測，經0/2/5/10 分鐘量測結果，頻率應維持在頻道之主波頻率+/-0.1ppm 以內。

7.2 量測方法

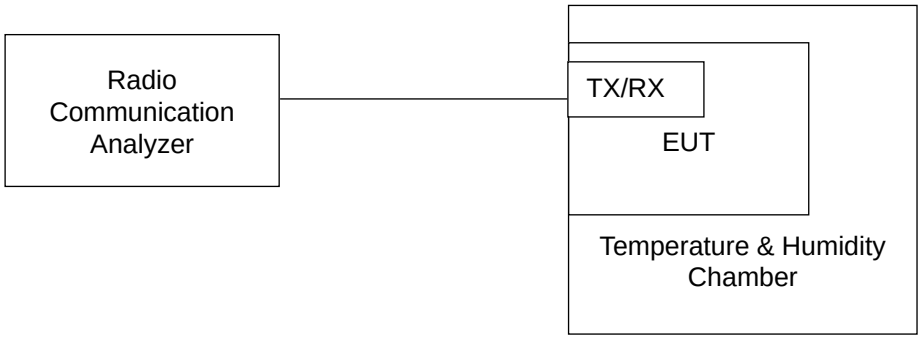
(1) 將未供電之受測物置於環境溫櫃中，供應受測物標稱之交流電源或使用全新或充電完全之電池。若可行，則將天線連接至受測物之天線輸出接頭。
(2) 關閉受測物且置之於環境溫櫃中，設定至適用規範指定之最高溫度。對正常持續操作之裝置，當置於溫櫃中時可使受測物運作。
(3) 使溫櫃之溫度有足夠時間達到穩定，當溫櫃內維持在一定溫度時，啟動受測物，並於開始時、以及啟動後第 2 分鐘、第 5 分鐘與第 10 分鐘測量受測物之操作頻率，共作四次測量。在進行此測量之前須確定使溫櫃到達穩定。

7.3 量測儀器

儀器名稱 (廠牌/製造商)	型號	序號	校正日期	下次校正日期
Radio Communication Analyzer Anritsu	MT8820C	6201010284	Dec. 28, 2020	Dec. 27, 2021
Temperature & Humidity Chamber TERCHY	HRM-120RF	931022	Dec. 24, 2020	Dec. 23, 2021
Digital Multimeter Fluke	87-III	70360742	Jun. 24, 2021	Jun. 23, 2022
AC Power Source 華儀	6905S	1991553	NA	NA

Note: The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.

7.4 測試配置



7.5 量測結果

操作模式	發射	測試者	張睿晉
量測場地溫度	26℃	量測場地濕度	70% RH

LTE Band 1

Operating frequency: 1950MHz					
Temp. (℃)	Power supply (Vdc)	0 minute	2 minute	5 minute	10 minute
		Drift (ppm)	Drift (ppm)	Drift (ppm)	Drift (ppm)
25	4.22	-0.041	-0.056	-0.041	-0.045
-10	4.22	-0.030	-0.044	-0.050	-0.050
	3.65	-0.035	-0.046	-0.034	-0.030
55	4.22	-0.007	0.004	-0.008	-0.012
	3.65	-0.048	-0.052	-0.065	-0.075

註：

1. 製造商聲明待測物內部 DC 輸入端標稱電壓為 3.84Vdc，低極限操作電壓為 3.10Vdc，高極限操作電壓為 4.45Vdc，此待測物使用內部鋰電池，故頻率穩定度檢測值如上表所示，確認待測物於極限電壓範圍內仍可使用通訊頻率。
2. 待測物於電壓 3.10Vdc ~ 4.45Vdc 可正常連線，待測物電壓低於 3Vdc 後即自動關機。

LTE Band 3

Operating frequency: 1747.5MHz					
Temp. (℃)	Power supply (Vdc)	0 minute	2 minute	5 minute	10 minute
		Drift (ppm)	Drift (ppm)	Drift (ppm)	Drift (ppm)
25	4.22	-0.012	-0.023	-0.035	-0.021
-10	4.22	-0.017	-0.024	-0.018	-0.023
	3.65	0.031	0.044	0.054	0.041
55	4.22	-0.037	-0.039	-0.029	-0.018
	3.65	-0.046	-0.054	-0.065	-0.051

註：

1. 製造商聲明待測物內部 DC 輸入端標稱電壓為 3.84Vdc，低極限操作電壓為 3.10Vdc，高極限操作電壓為 4.45Vdc，此待測物使用內部鋰電池，故頻率穩定度檢測值如上表所示，確認待測物於極限電壓範圍內仍可使用通訊頻率。
2. 待測物於電壓 3.10Vdc ~ 4.45Vdc 可正常連線，待測物電壓低於 3Vdc 後即自動關機。

LTE Band 7

Operating frequency: 2535MHz					
Temp. (℃)	Power supply (Vdc)	0 minute	2 minute	5 minute	10 minute
		Drift (ppm)	Drift (ppm)	Drift (ppm)	Drift (ppm)
25	4.22	0.022	0.009	0.008	0.018
-10	4.22	0.023	0.024	0.013	0.007
	3.65	-0.018	-0.024	-0.028	-0.040
55	4.22	-0.028	-0.032	-0.019	-0.028
	3.65	-0.032	-0.032	-0.030	-0.027

註：

1. 製造商聲明待測物內部 DC 輸入端標稱電壓為 3.84Vdc，低極限操作電壓為 3.10Vdc，高極限操作電壓為 4.45Vdc，此待測物使用內部鋰電池，故頻率穩定度檢測值如上表所示，確認待測物於極限電壓範圍內仍可使用通訊頻率。
2. 待測物於電壓 3.10Vdc ~ 4.45Vdc 可正常連線，待測物電壓低於 3Vdc 後即自動關機。

LTE Band 8

Operating frequency: 900MHz					
Temp. (℃)	Power supply (Vdc)	0 minute	2 minute	5 minute	10 minute
		Drift (ppm)	Drift (ppm)	Drift (ppm)	Drift (ppm)
25	4.22	0.028	0.021	0.023	0.028
-10	4.22	-0.013	-0.027	-0.040	-0.041
	3.65	-0.049	-0.061	-0.065	-0.063
55	4.22	0.047	0.039	0.054	0.040
	3.65	0.007	-0.008	0.006	0.007

註：

1. 製造商聲明待測物內部 DC 輸入端標稱電壓為 3.84Vdc，低極限操作電壓為 3.10Vdc，高極限操作電壓為 4.45Vdc，此待測物使用內部鋰電池，故頻率穩定度檢測值如上表所示，確認待測物於極限電壓範圍內仍可使用通訊頻率。
2. 待測物於電壓 3.10Vdc ~ 4.45Vdc 可正常連線，待測物電壓低於 3Vdc 後即自動關機。

LTE Band 28

Operating frequency: 725.5MHz					
Temp. (℃)	Power supply (Vdc)	0 minute	2 minute	5 minute	10 minute
		Drift (ppm)	Drift (ppm)	Drift (ppm)	Drift (ppm)
25	4.22	0.005	0.017	0.021	0.027
-10	4.22	-0.031	-0.025	-0.013	-0.004
	3.65	-0.035	-0.041	-0.034	-0.044
55	4.22	0.013	0.012	0.009	0.013
	3.65	0.045	0.037	0.041	0.046

註：

1. 製造商聲明待測物內部 DC 輸入端標稱電壓為 3.84Vdc，低極限操作電壓為 3.10Vdc，高極限操作電壓為 4.45Vdc，此待測物使用內部鋰電池，故頻率穩定度檢測值如上表所示，確認待測物於極限電壓範圍內仍可使用通訊頻率。
2. 待測物於電壓 3.10Vdc ~ 4.45Vdc 可正常連線，待測物電壓低於 3Vdc 後即自動關機。

LTE Band 41

Operating frequency: 2595MHz					
Temp. (℃)	Power supply (Vdc)	0 minute	2 minute	5 minute	10 minute
		Drift (ppm)	Drift (ppm)	Drift (ppm)	Drift (ppm)
25	4.22	-0.017	-0.013	-0.007	0.001
-10	4.22	0.010	-0.003	0.001	0.001
	3.65	-0.031	-0.021	-0.009	-0.016
55	4.22	0.033	0.046	0.037	0.026
	3.65	-0.038	-0.042	-0.031	-0.020

註：

1. 製造商聲明待測物內部 DC 輸入端標稱電壓為 3.84Vdc，低極限操作電壓為 3.10Vdc，高極限操作電壓為 4.45Vdc，此待測物使用內部鋰電池，故頻率穩定度檢測值如上表所示，確認待測物於極限電壓範圍內仍可使用通訊頻率。
2. 待測物於電壓 3.10Vdc ~ 4.45Vdc 可正常連線，待測物電壓低於 3Vdc 後即自動關機。

8. 電波功率密度

8.1 適用標準

1. 本項測試適用於移動式行動臺設備。
2. 電波功率密度最大值：

(a) 700 MHz 頻段為 0.35 mW/cm^2。
(b) 900 MHz 頻段為 0.45 mW/cm^2。
(c) 1800 MHz 頻段為 0.9 mW/cm^2。
(d) 2100 MHz、2500 MHz 與 2600 MHz 頻段為 1.0 mW/cm^2。

量測距離為 20 公分，或以設備廠商宣告設備天線與附近人體可活動範圍之距離。

8.2 評估方法

1. 以 3.5 節所測得的最大傳導輸出功率值再加上待測物天線的增益值(Maximum Gain)帶入下面公式換算出待測物所輻射的功率密度。
2. Pd = (Pout*G) / (4*pi*r^2)

   where

   Pd = power density in mW/cm^2

   Pout = output power to antenna in mW

   G = gain of antenna in linear scale

   pi = 3.1416

   r = distance between observation point and center of the radiator in cm

8.3 評估結果

Frequency Band (MHz)	Max Power (dBm)	Antenna Gain (dBi)	Distance (cm)	Power Density (mW/cm^2)	Limit (mW/cm^2)	Pass / Fail
700 MHz 頻段 (Band 28)	23.70	0.25	20	0.049	0.35	Pass
900 MHz 頻段 (Band 8)	23.68	0.66	20	0.054	0.45	Pass
1800 MHz 頻段 (Band 3)	23.65	4.84	20	0.141	0.90	Pass
2100 MHz 頻段 (Band 1)	23.62	4.35	20	0.125	1.00	Pass
2500 MHz 頻段 (Band 41)	22.70	3.68	20	0.086	1.00	Pass
2600 MHz 頻段 (Band 7)	22.75	3.68	20	0.087	1.00	Pass

Note: Only the antenna which has the maximum gain was chosen as a representative for the final test.

9. 檢測實驗室基本資料

立德國際商品試驗有限公司桃園分公司提供產業界最佳的檢測以及諮詢服務。
本公司為 ISO/IEC 17025 認可實驗室。

如您有任何問題或建議，請與下列實驗室聯絡：

林口 EMC / RF 實驗室 ：
Tel: 886-2-26052180
Fax: 886-2-26051924

新竹 EMC / RF 及通訊實驗室 ：
Tel: 886-3-6668565
Fax: 886-3-6668323

華亞 EMC / RF / Safety 實驗室:
Tel: 886-3-3183232
Fax: 886-3-3270892

Email: service.adt@tw.bureauveritas.com
Web Site: www.bureauveritas-adt.com

您也可以在我們的網站內找到各實驗室的地圖。

---END---