LTE B48_15 M_Conducted Spurious(Above10 G)_Mid_QPSK_1RB

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LTE B48_15 M_Conducted Spurious(Above10 G)_High_QPSK_1RB

LTE B48_20 M_Conducted Spurious(Above10 G)_Low_QPSK_1RB

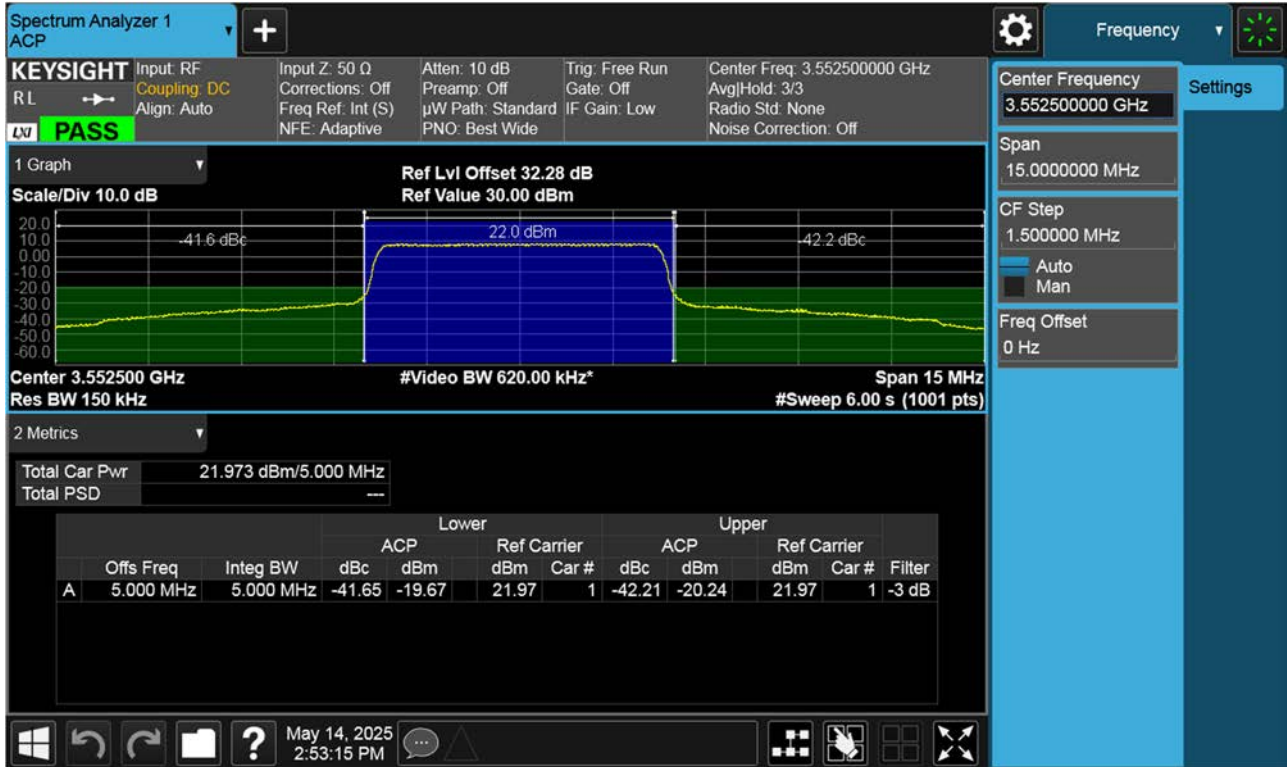LTE B48_20 M_Conducted Spurious(Above10 G)_Mid_QPSK_1RB

The report shall not be (partly) reproduced except in full without approval of the laboratory.
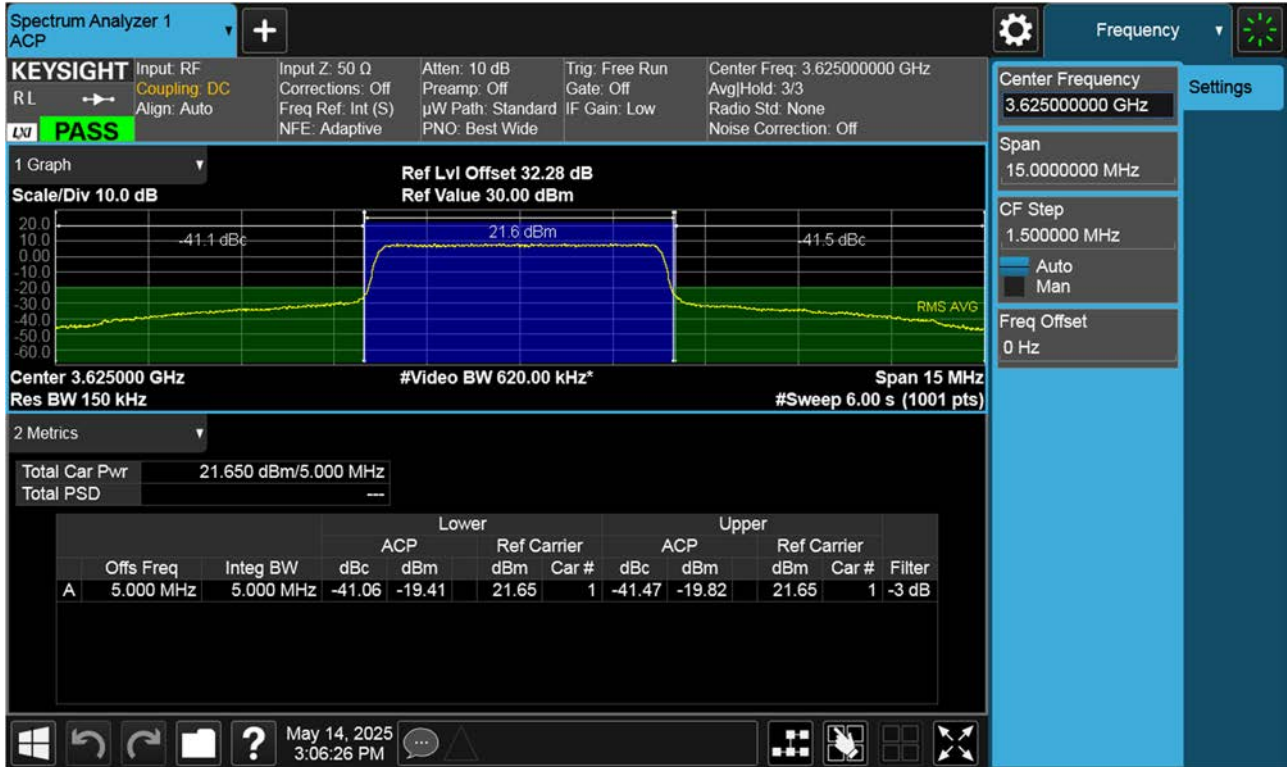
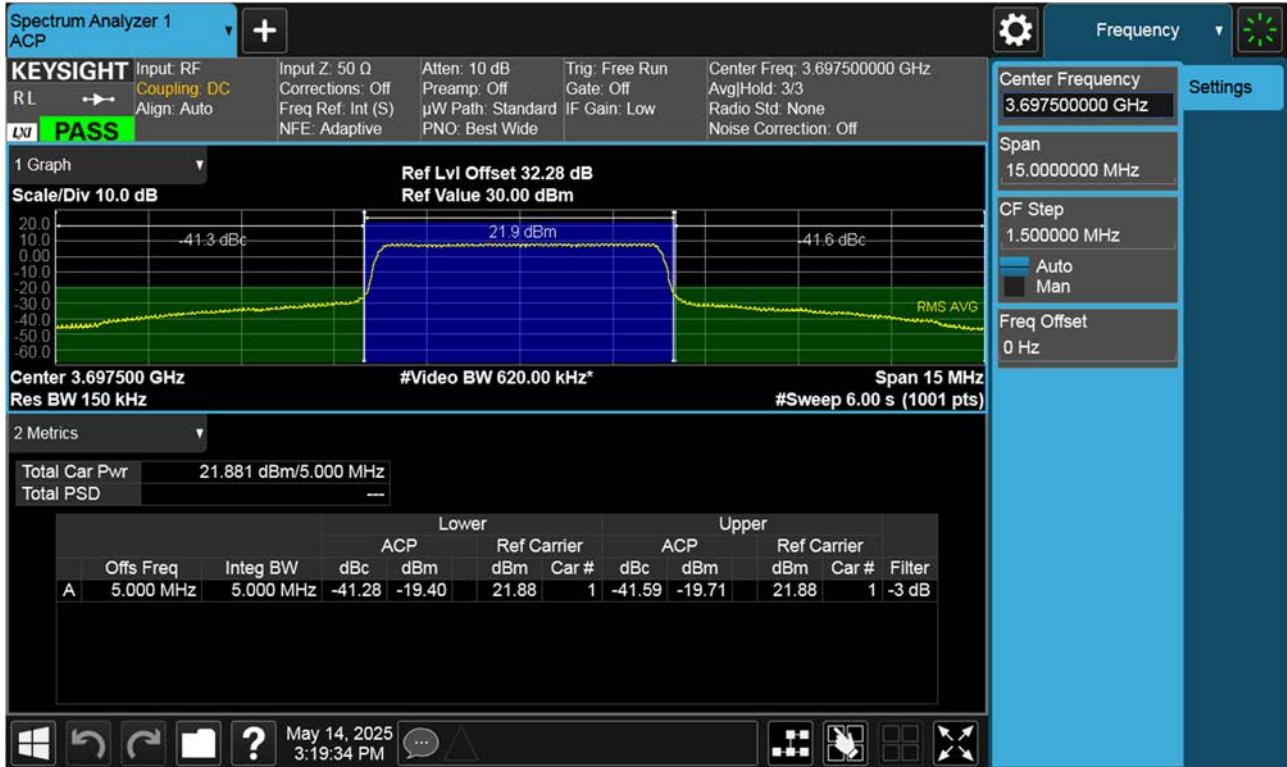LTE B48_20 M_Conducted Spurious(Above10 G)_High_QPSK_1RB

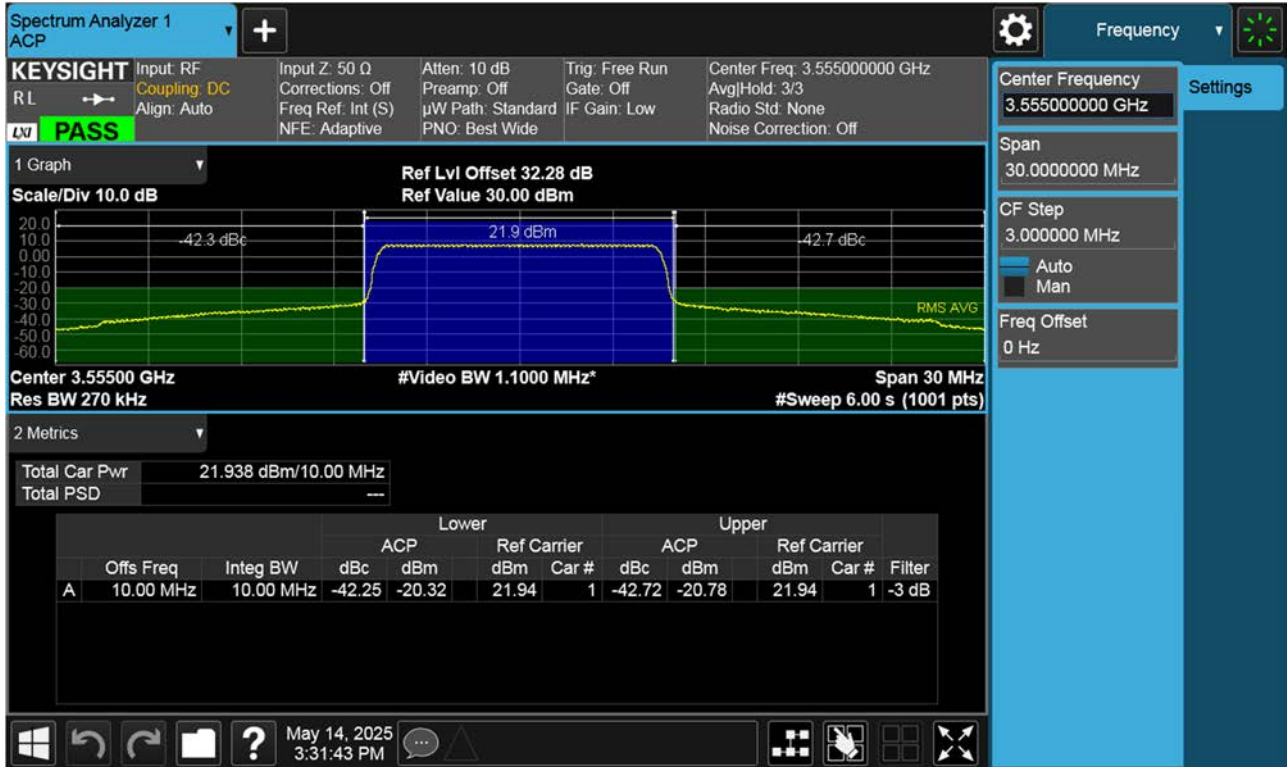LTE B48_Adjacent Channel Leakage Ratio(ACLR) Plot (5 MHz Ch.55265 QPSK RB 25, Offset 0)

LTE B48_Adjacent Channel Leakage Ratio(ACLR) Plot (5 MHz Ch.55990 QPSK RB 25, Offset 0)

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LTE B48_Adjacent Channel Leakage Ratio(ACLR) Plot (5 MHz Ch.56715 QPSK RB 25, Offset 0)

LTE B48_Adjacent Channel Leakage Ratio(ACLR) Plot (10 MHz Ch.55290 QPSK RB 50, Offset 0)

The report shall not be (partly) reproduced except in full without approval of the laboratory.
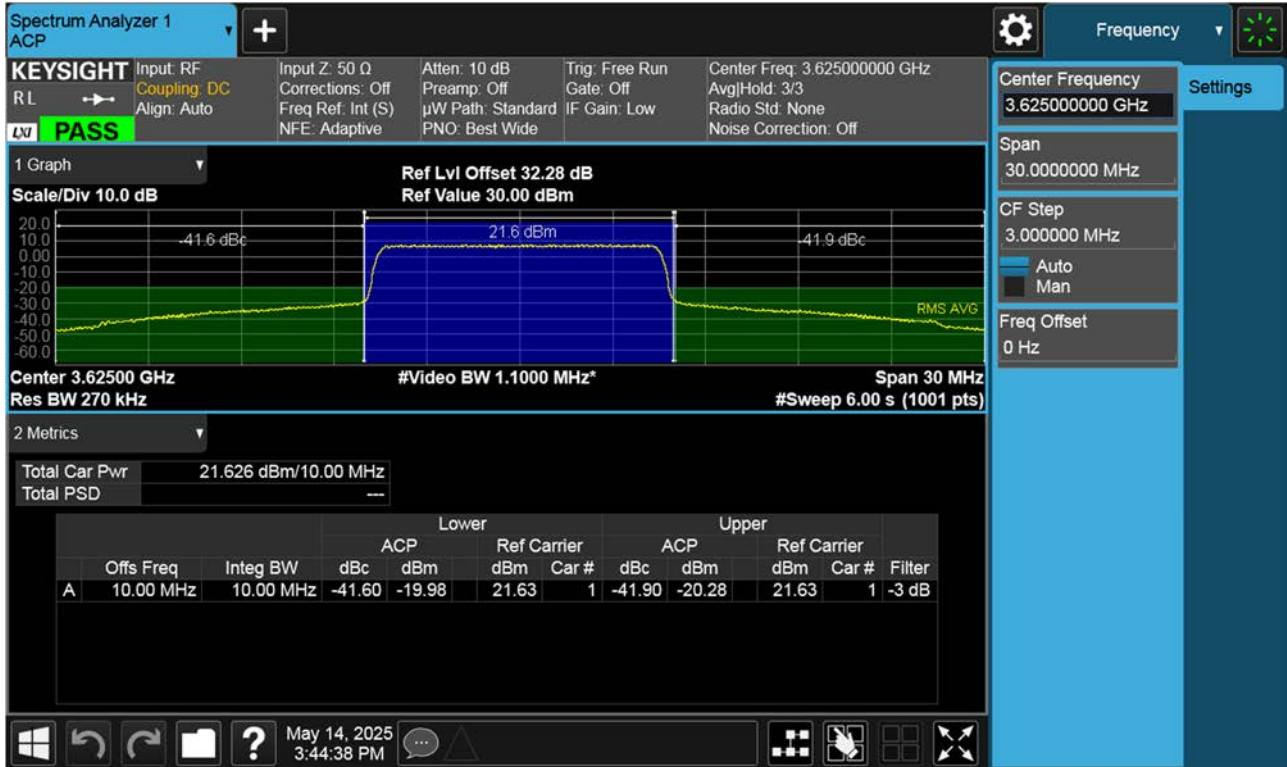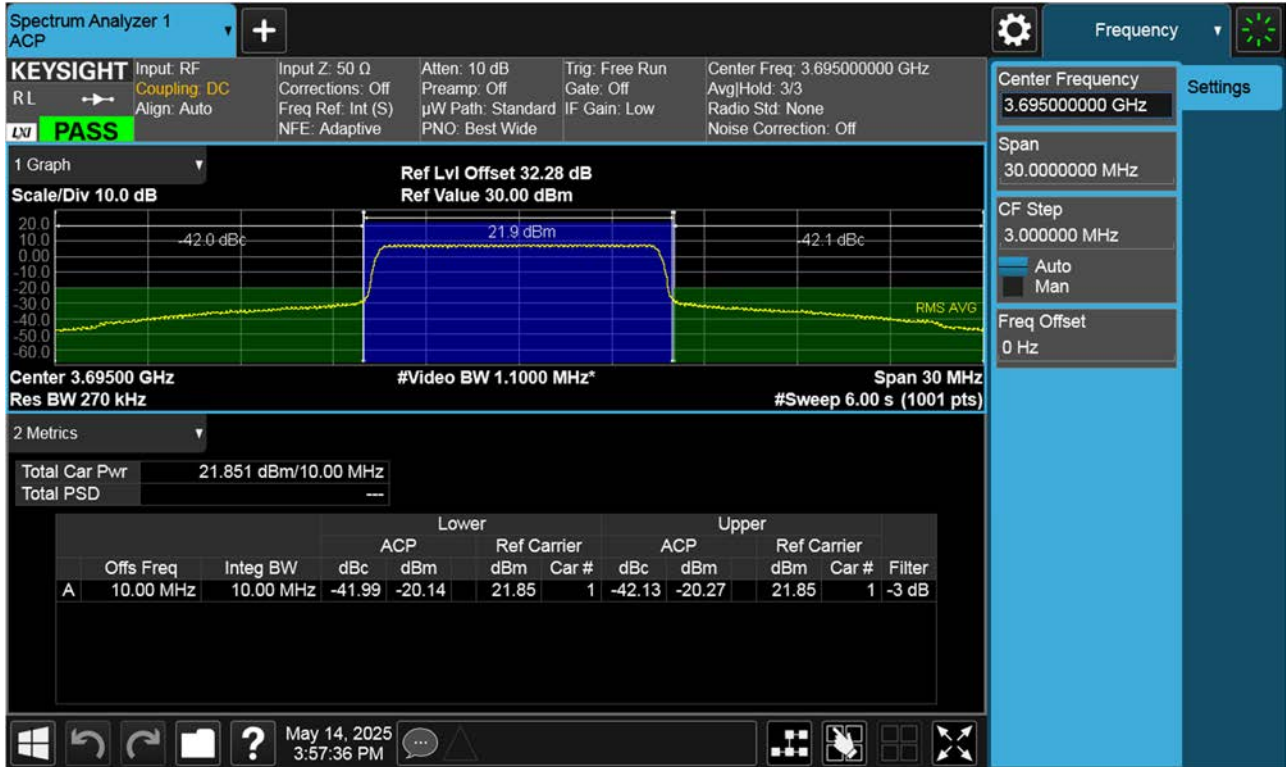
LTE B48_Adjacent Channel Leakage Ratio(ACLR) Plot (10 MHz Ch.55990 QPSK RB 50, Offset 0)

LTE B48_Adjacent Channel Leakage Ratio(ACLR) Plot (10 MHz Ch. 56690 QPSK RB 50, Offset 0)

LTE B48_Adjacent Channel Leakage Ratio(ACLR) Plot (15 MHz Ch.55315 QPSK RB 75, Offset 0)

The report shall not be (partly) reproduced except in full without approval of the laboratory.
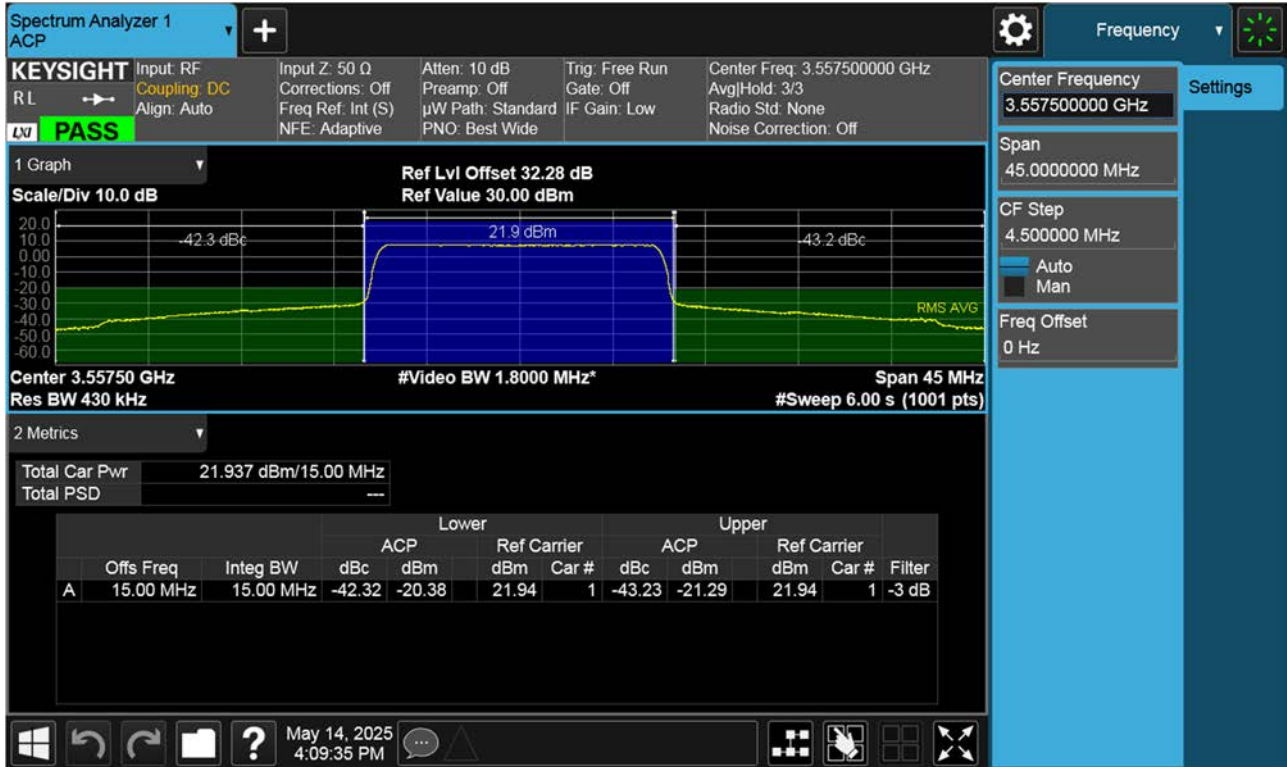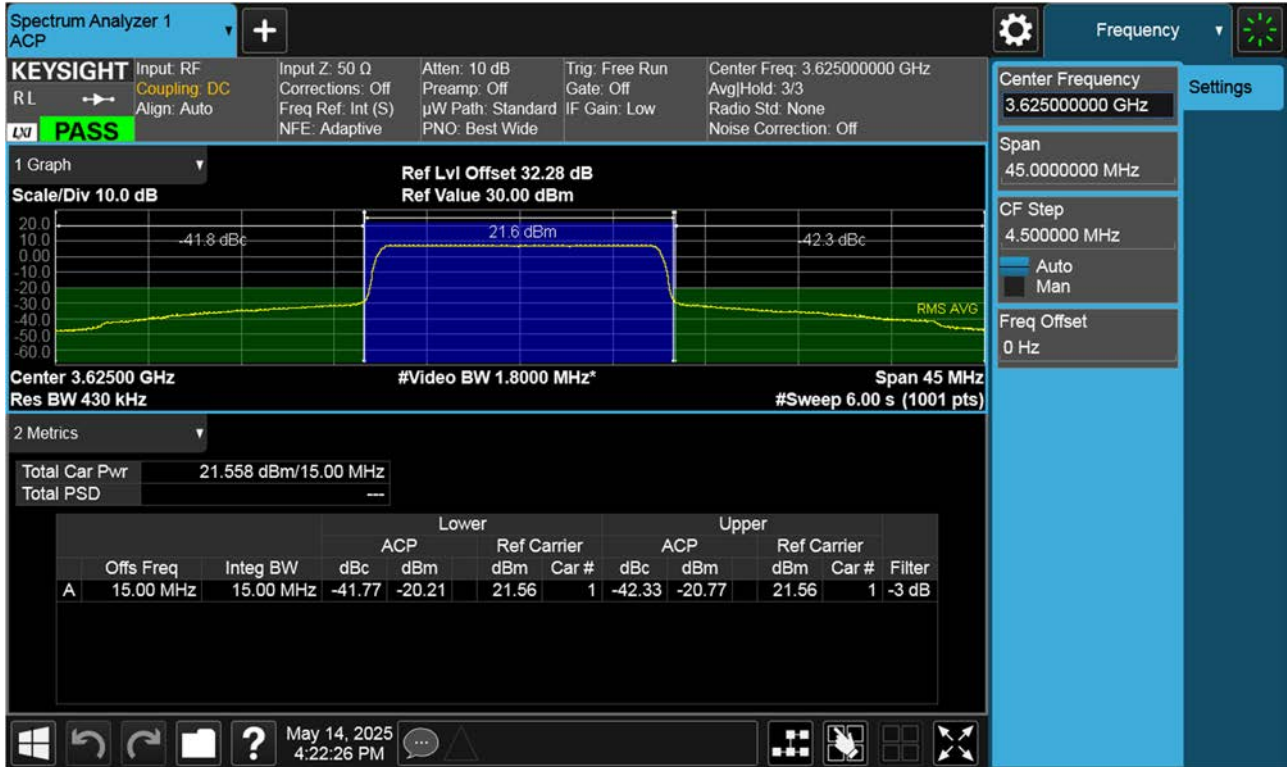
LTE B48_Adjacent Channel Leakage Ratio(ACLR) Plot (15 MHz Ch.55990 QPSK RB 75, Offset 0)

LTE B48_Adjacent Channel Leakage Ratio(ACLR) Plot (15 MHz Ch.56665 QPSK RB 75, Offset 0)
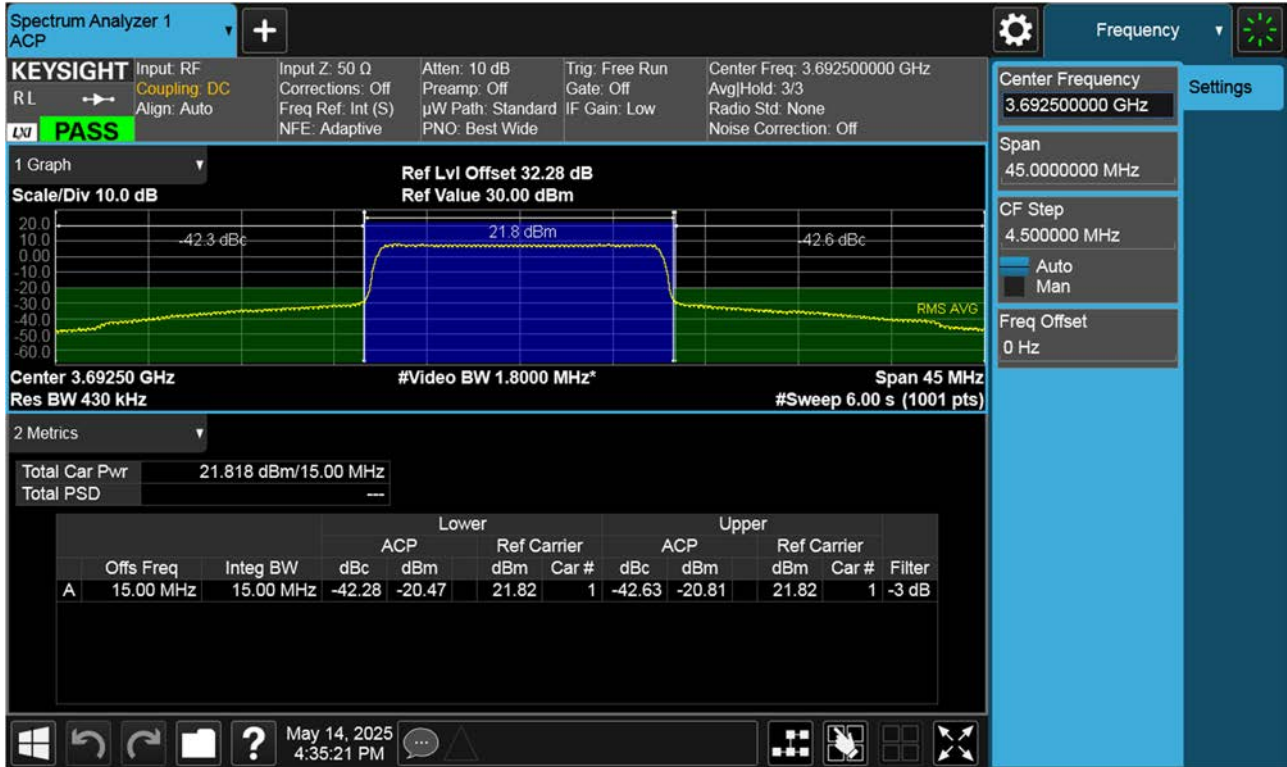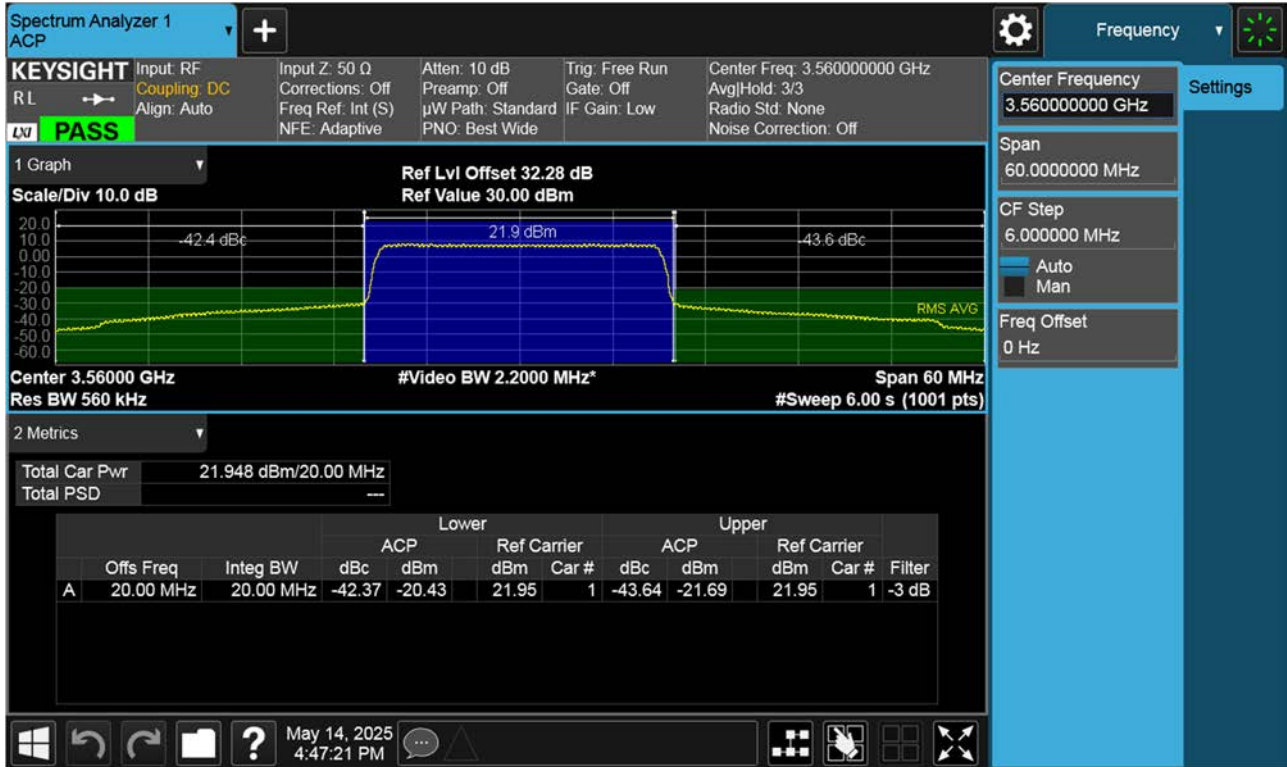
LTE B48_Adjacent Channel Leakage Ratio(ACLR) Plot (20 MHz Ch.55340 QPSK RB 100, Offset 0)

LTE B48_Adjacent Channel Leakage Ratio(ACLR) Plot (20 MHz Ch.55990 QPSK RB 100, Offset 0)
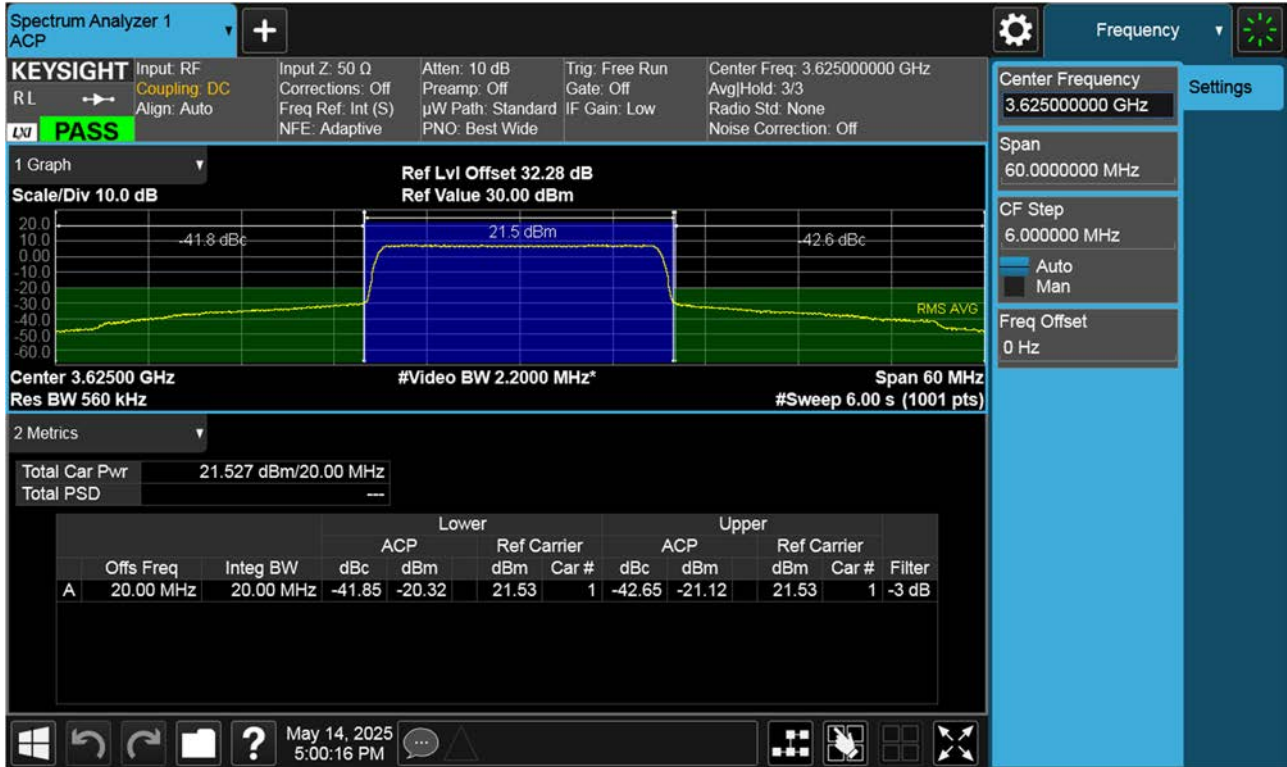
The report shall not be (partly) reproduced except in full without approval of the laboratory.

LTE B48_Adjacent Channel Leakage Ratio(ACLR) Plot (20 MHz Ch.56640 QPSK RB 100, Offset 0)
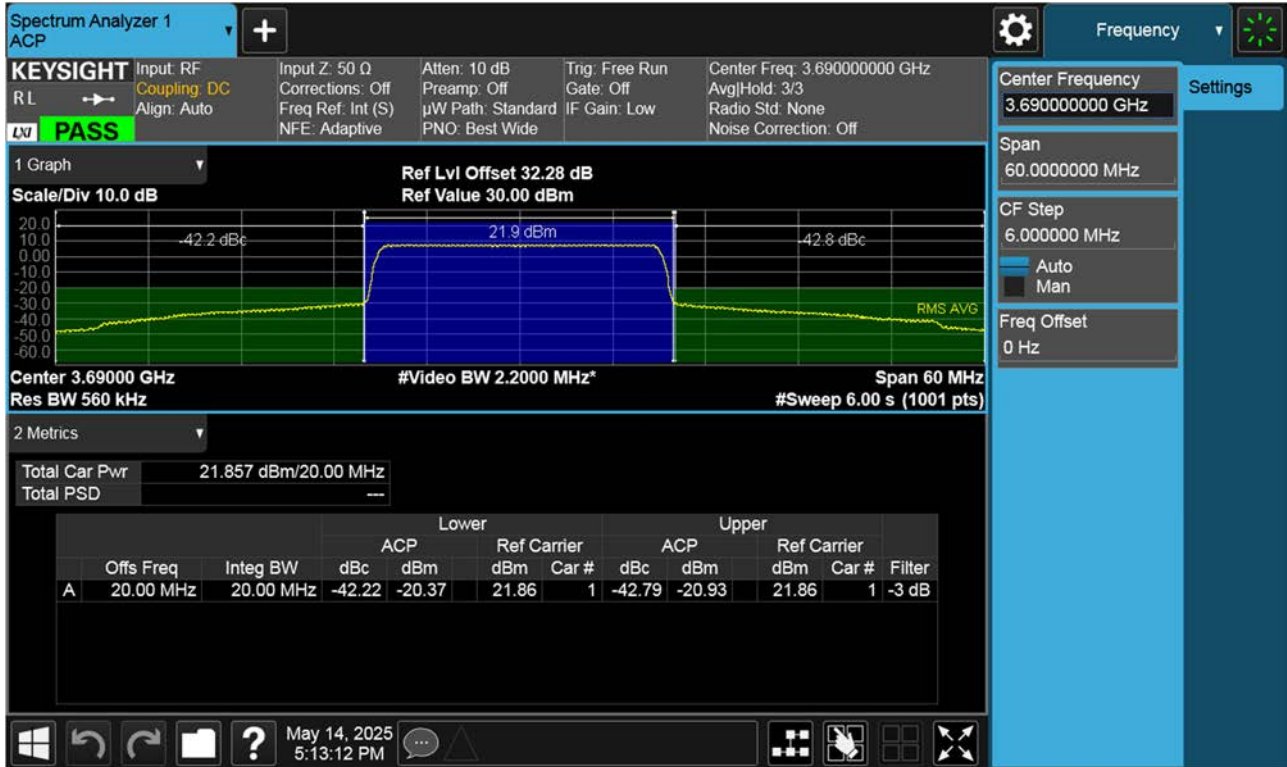
LTE B48_5 M BandEdge(Lower)_Low_3552.5 MHz_QPSK_Full RB

LTE B48_5 M_BandEdge(Upper)_Low_3552.5 MHz_QPSK_Full RB

The report shall not be (partly) reproduced except in full without approval of the laboratory.

LTE B48_5 M_BandEdge(Lower)_Low_3552.5 MHz_QPSK_1RB

LTE B48_5 M_BandEdge(Upper)_Low_3552.5 MHz_QPSK_1RB

LTE B48_5 M_BandEdge(Center)_Mid_3625 MHz_QPSK_Full RB

LTE B48_5 M_BandEdge(Lower)_Mid_3625 MHz_QPSK_1RB

LTE B48_5 M_BandEdge(Upper)_Mid_3625 MHz_QPSK_1RB

LTE B48_5 M_BandEdge(Lower)_High_3697.5 MHz_QPSK_Full RB

LTE B48_5 M_BandEdge(Upper)_High_3697.5 MHz_QPSK_Full RB

LTE B48_5 M_BandEdge(Lower)_High_3697.5 MHz_QPSK_1RB

LTE B48_5 M_BandEdge(Upper)_High_3697.5 MHz_QPSK_1RB

				Lower			Upper		
Start Freq	Stop Freq	Integ BW	dBm	ΔLimit(dB)	Freq (Hz)	dBm	ΔLimit(dB)	Freq (Hz)	
2.500 MHz	3.500 MHz	51.00 kHz	---	(---)	---	-19.48	(-6.48)	2.500 M	
3.500 MHz	7.500 MHz	1.000 MHz	---	(---)	---	-25.92	(-12.92)	3.500 M	
12.50 MHz	22.50 MHz	1.000 MHz	---	(---)	---	-53.97	(-28.97)	12.50 M	
22.50 MHz	42.50 MHz	1.000 MHz	---	(---)	---	-54.70	(-14.70)	39.10 M	
7.500 MHz	12.50 MHz	1.000 MHz	---	(---)	---	-39.92	(-14.92)	7.500 M	
12.50 MHz	15.00 MHz	1.000 MHz	---	(---)	---	---	(---)	---	

LTE B48_10 M_BandEdge(Lower)_Low_3555 MHz_QPSK_Full RB
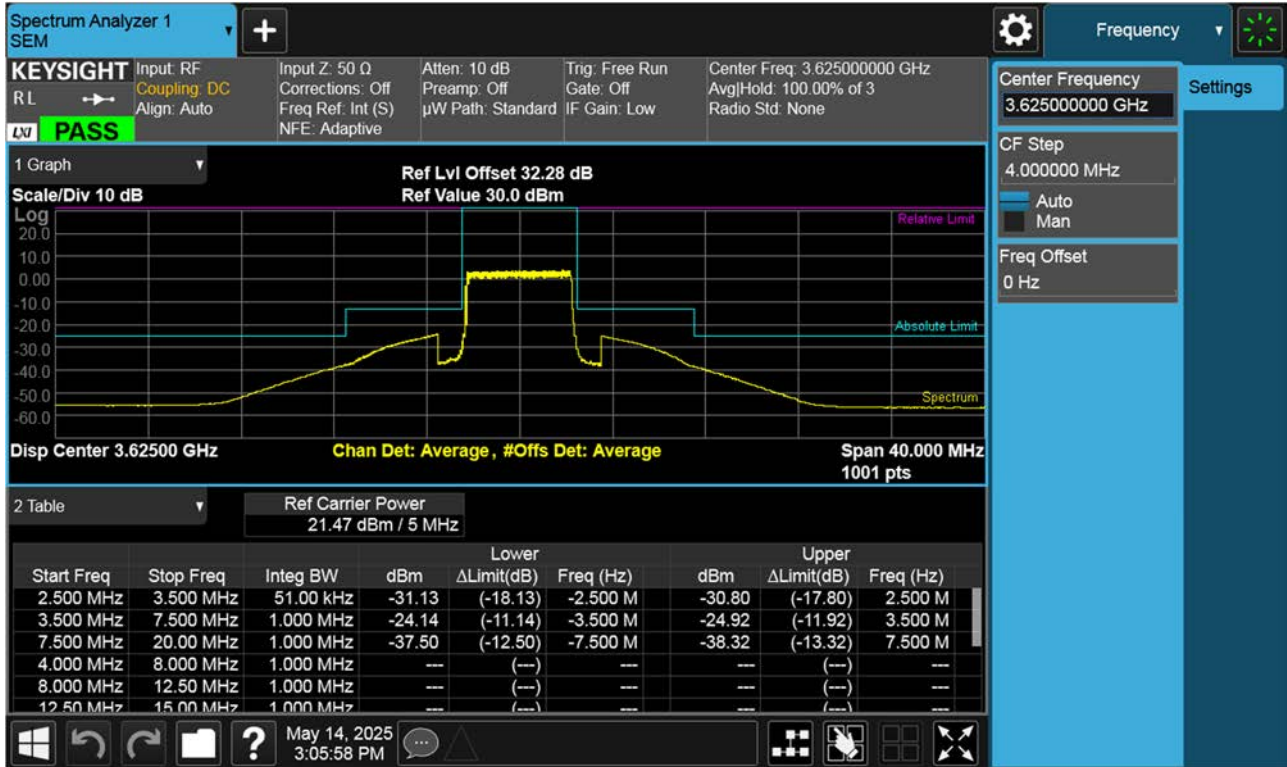
LTE B48_10 M_BandEdge(Upper)_Low_3555 MHz_QPSK_Full RB

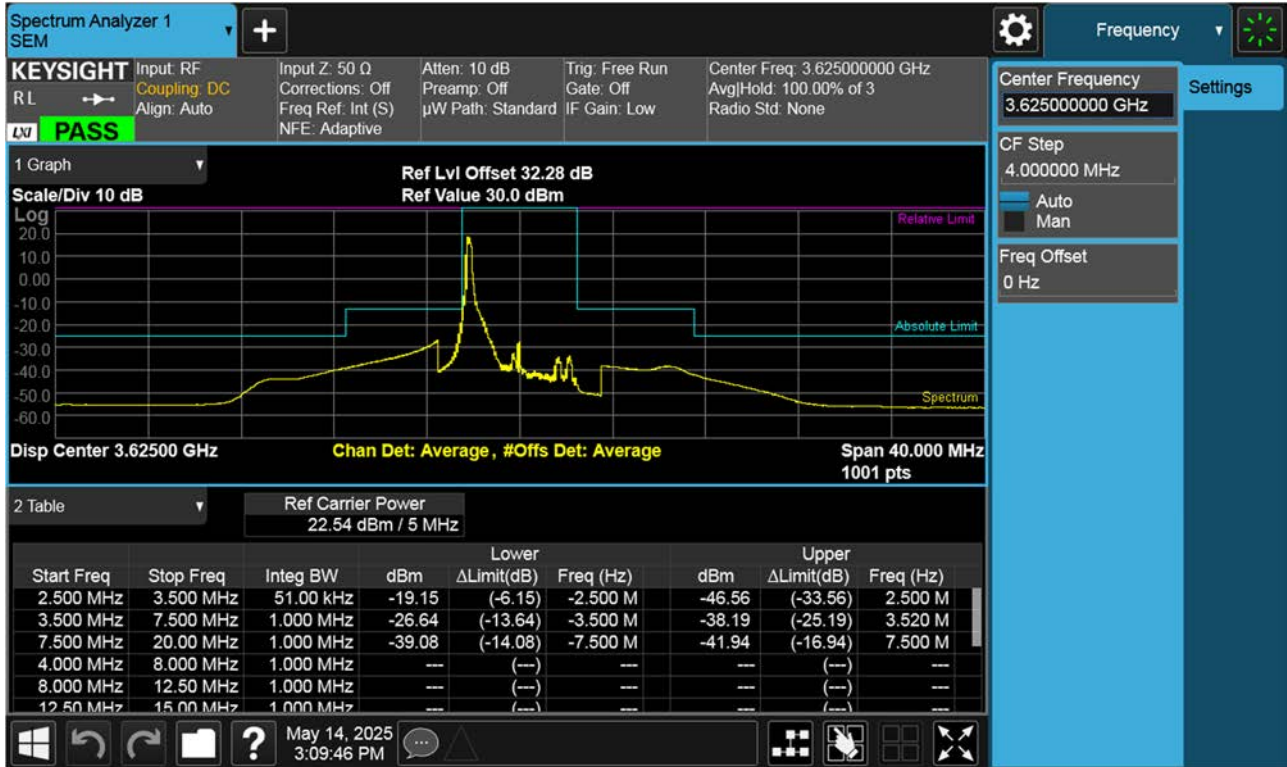LTE B48_10 M_BandEdge(Lower)_Low_3555 MHz_QPSK_1RB

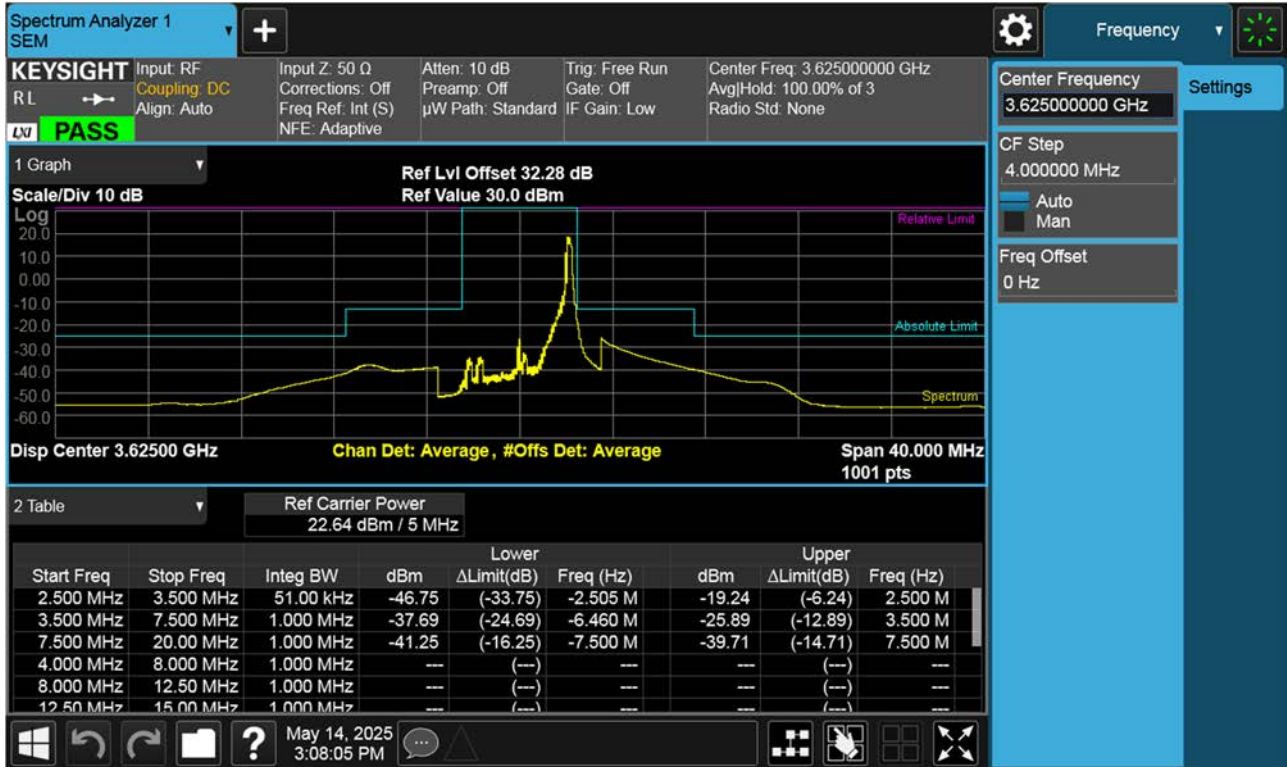LTE B48_10 M_BandEdge(Upper)_Low_3555 MHz_QPSK_1RB
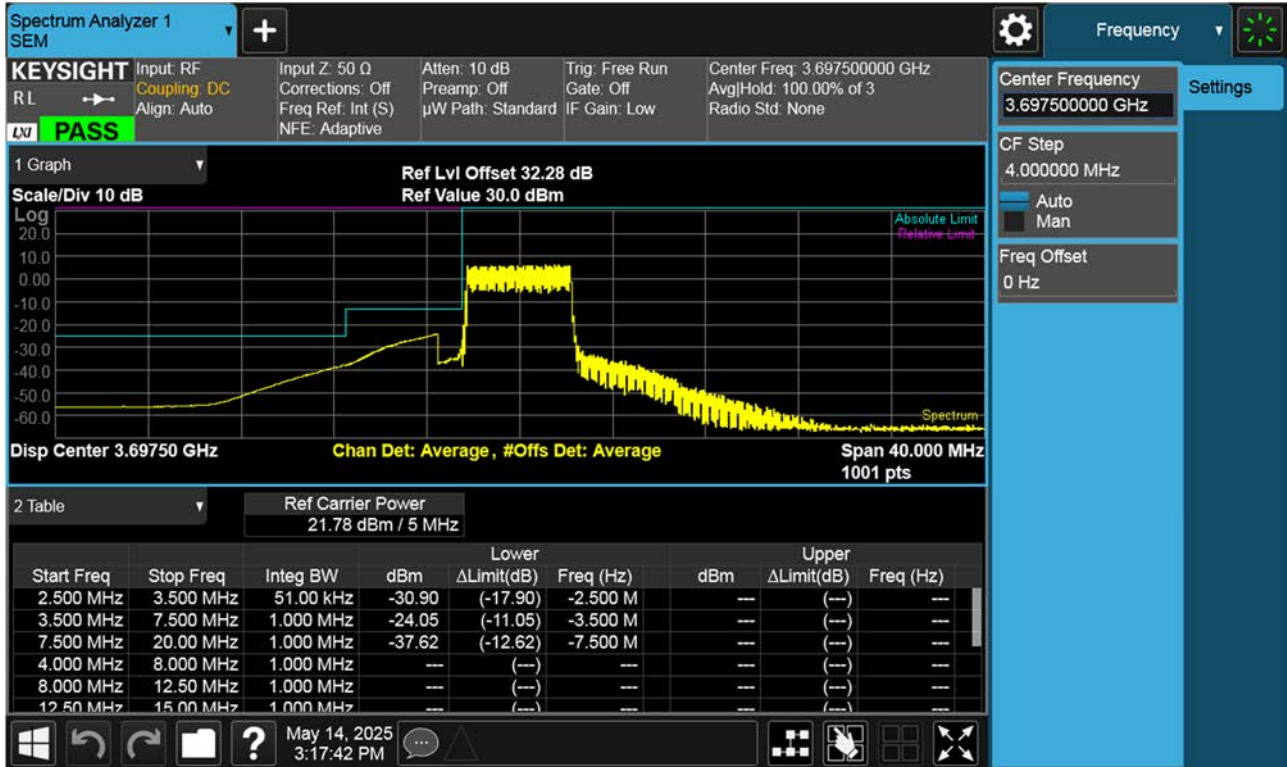
LTE B48_10 M_BandEdge(Center)_Mid_3625 MHz_QPSK_Full RB
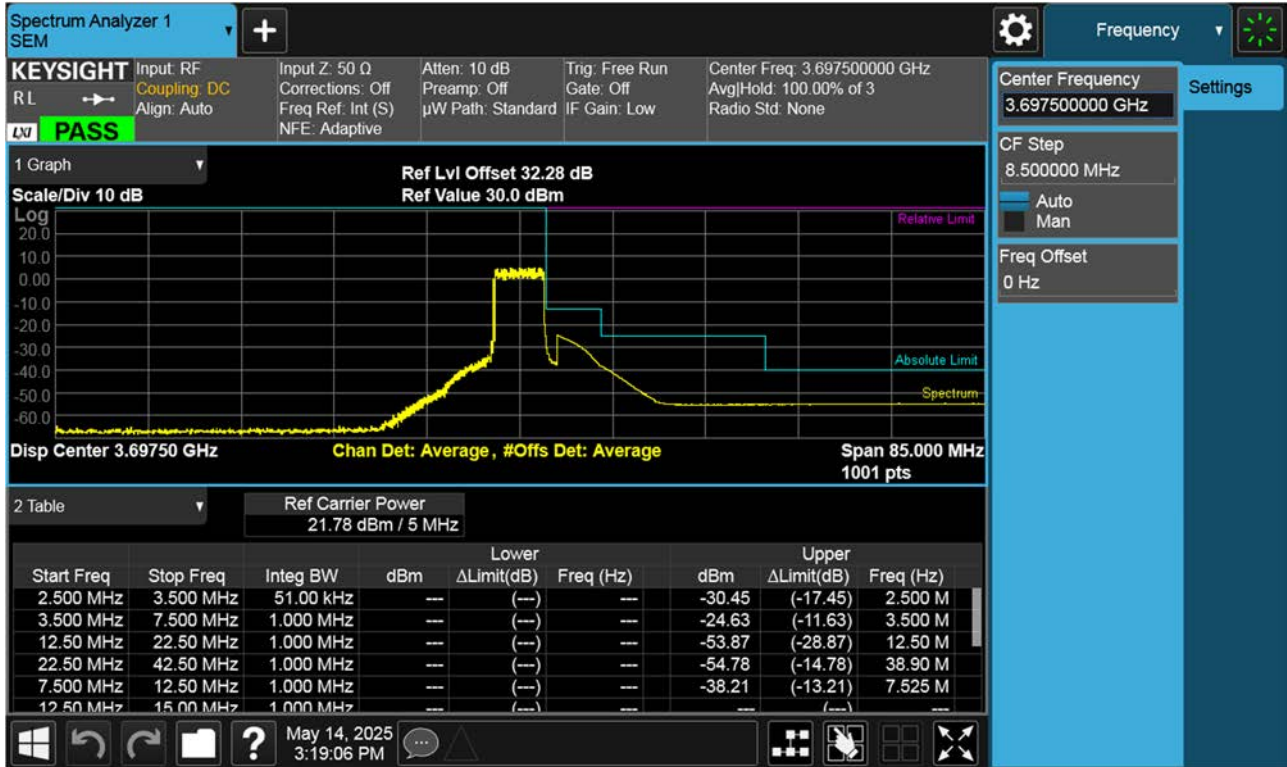
LTE B48_10 M_BandEdge(Lower)_Mid_3625 MHz_QPSK_1RB
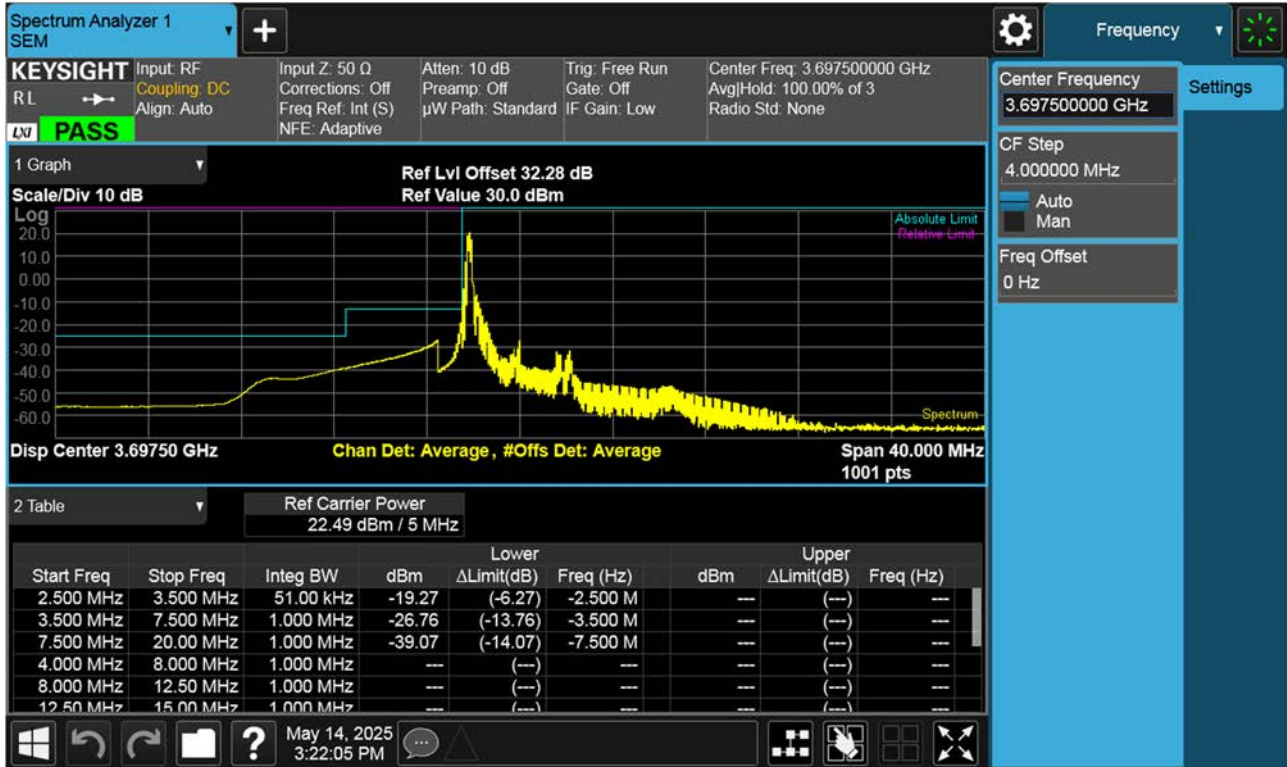
LTE B48_10 M_BandEdge(Upper)_Mid_3625 MHz_QPSK_1RB

LTE B48_10 M_BandEdge(Lower)_High_3695 MHz_QPSK_Full RB

LTE B48_10 M_BandEdge(Upper)_High_3695 MHz_QPSK_Full RB
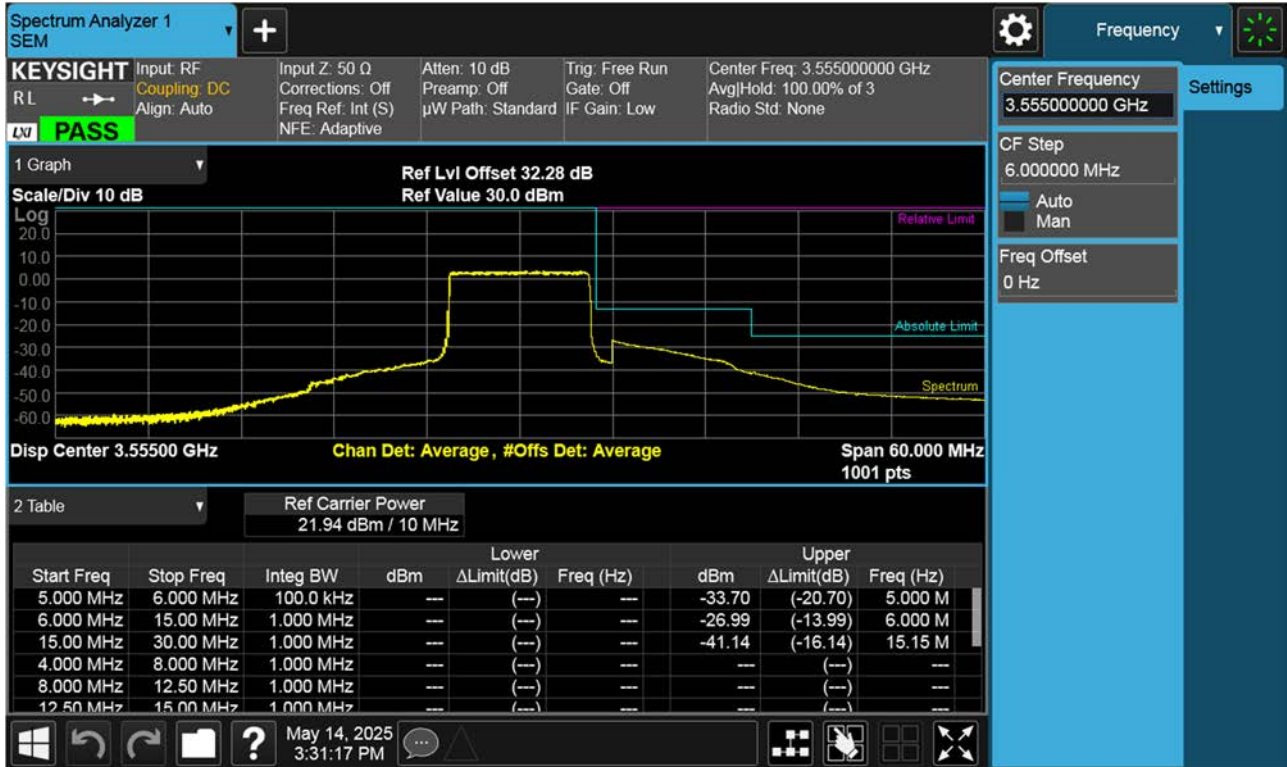
LTE B48_10 M_BandEdge(Lower)_High_3695 MHz_QPSK_1RB

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LTE B48_10 M_BandEdge(Upper)_High_3695 MHz_QPSK_1RB

Spectrum Analyzer 1 / SEM

KEYSIGHT	Input: RF	Input Z: 50 Ω	Atten: 10 dB	Trig: Free Run	Center Freq: 3.695000000 GHz
R L	Coupling: DC	Corrections: Off	Preamp: Off	Gate: Off	Avg|Hold: 100.00% of 3
LXI PASS	Align: Auto	Freq Ref: Int (S)	μW Path: Standard	IF Gain: Low	Radio Std: None
		NFE: Adaptive			

Center Frequency 3.695000000 GHz — Settings
CF Step 9.000000 MHz — Auto / Man
Freq Offset 0 Hz

1 Graph

Ref Lvl Offset 32.28 dB
Ref Value 30.0 dBm
Scale/Div 10 dB

Log
20.0
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0

Relative Limit
Absolute Limit
Spectrum

Disp Center 3.69500 GHz   Chan Det: Average, #Offs Det: Average   Span 90.000 MHz / 1001 pts

2 Table

Ref Carrier Power
22.40 dBm / 10 MHz

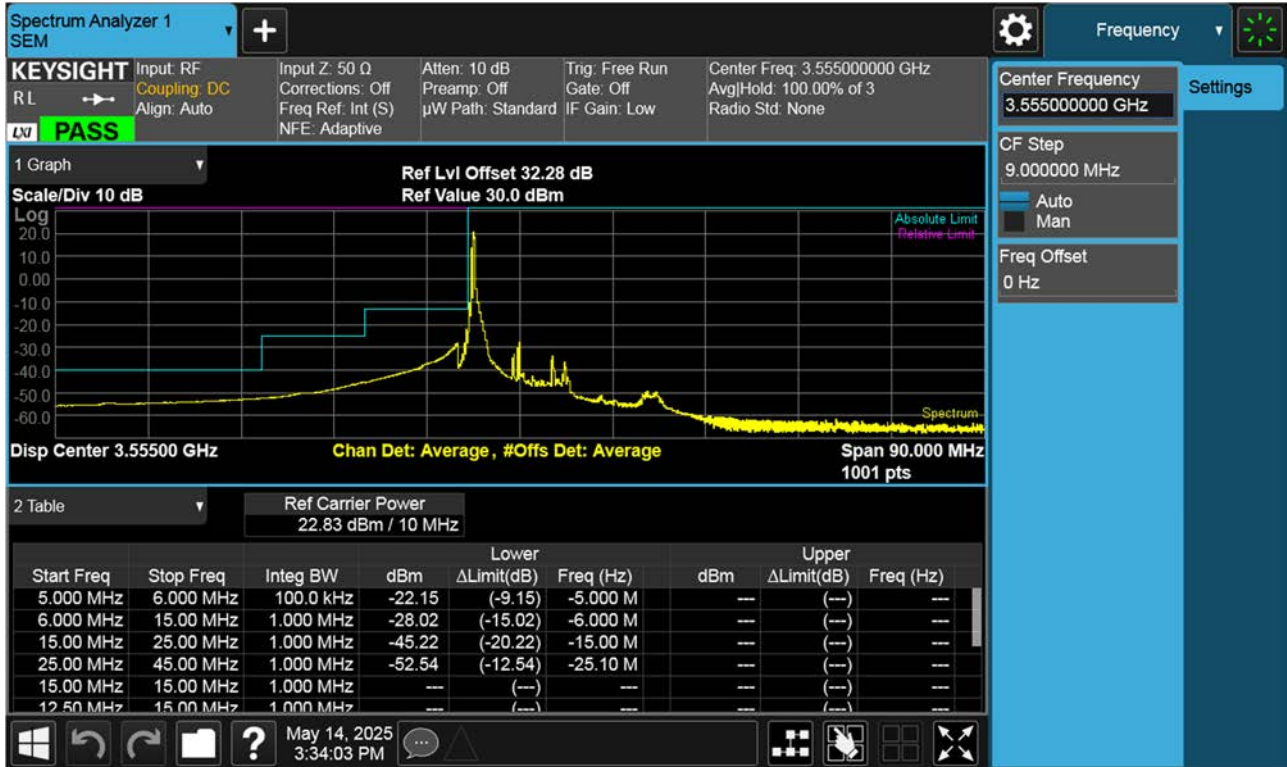|			Lower			Upper		
Start Freq	Stop Freq	Integ BW	dBm	ΔLimit(dB)	Freq (Hz)	dBm	ΔLimit(dB)	Freq (Hz)
5.000 MHz	6.000 MHz	100.0 kHz	---	(---)	---	-22.58	(-9.58)	5.000 M
6.000 MHz	15.00 MHz	1.000 MHz	---	(---)	---	-27.96	(-14.96)	6.000 M
15.00 MHz	25.00 MHz	1.000 MHz	---	(---)	---	-46.06	(-21.06)	15.05 M
25.00 MHz	45.00 MHz	1.000 MHz	---	(---)	---	-53.67	(-13.67)	25.50 M
15.00 MHz	15.00 MHz	1.000 MHz	---	(---)	---	---	(---)	---
12.50 MHz	15.00 MHz	1.000 MHz	---	(---)	---	---	(---)	---

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3:58:51 PM

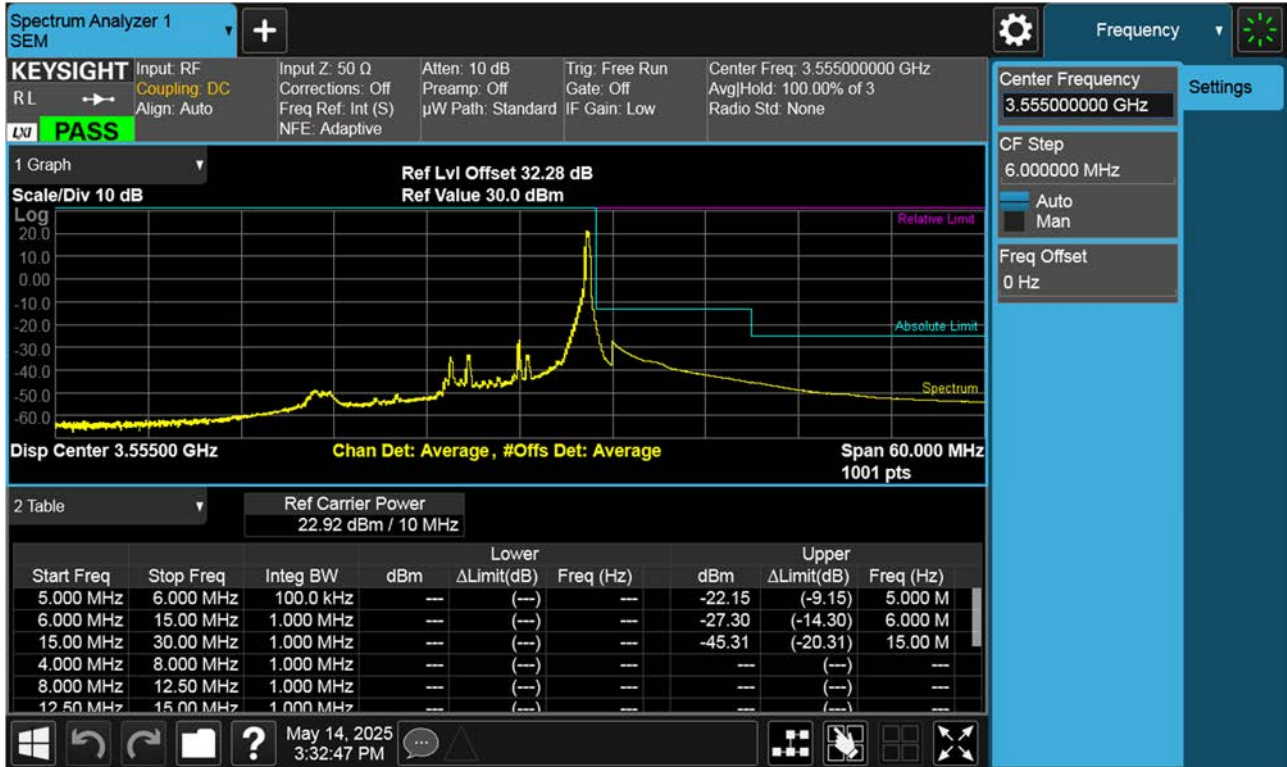LTE B48_15 M_BandEdge(Lower)_Low_3557.5 MHz_QPSK_Full RB_1

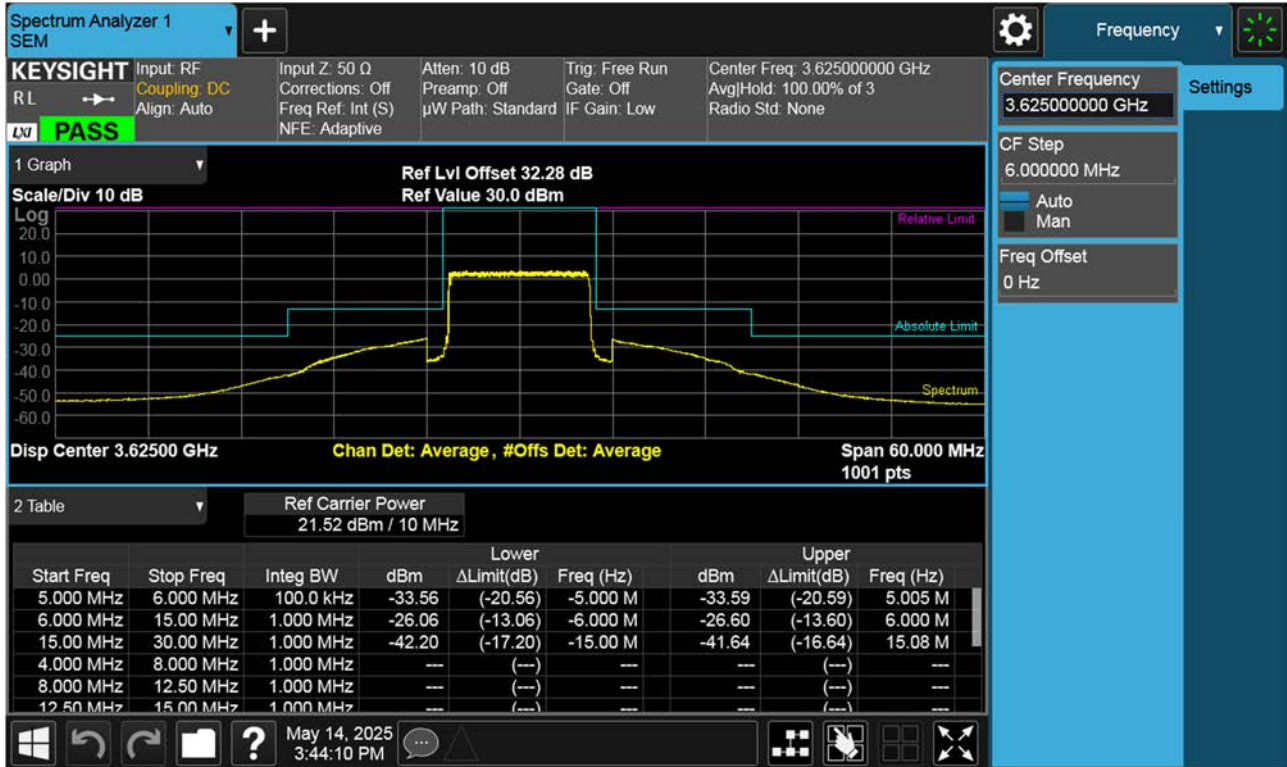LTE B48_15 M_BandEdge(Upper)_Low_3557.5 MHz_QPSK_Full RB

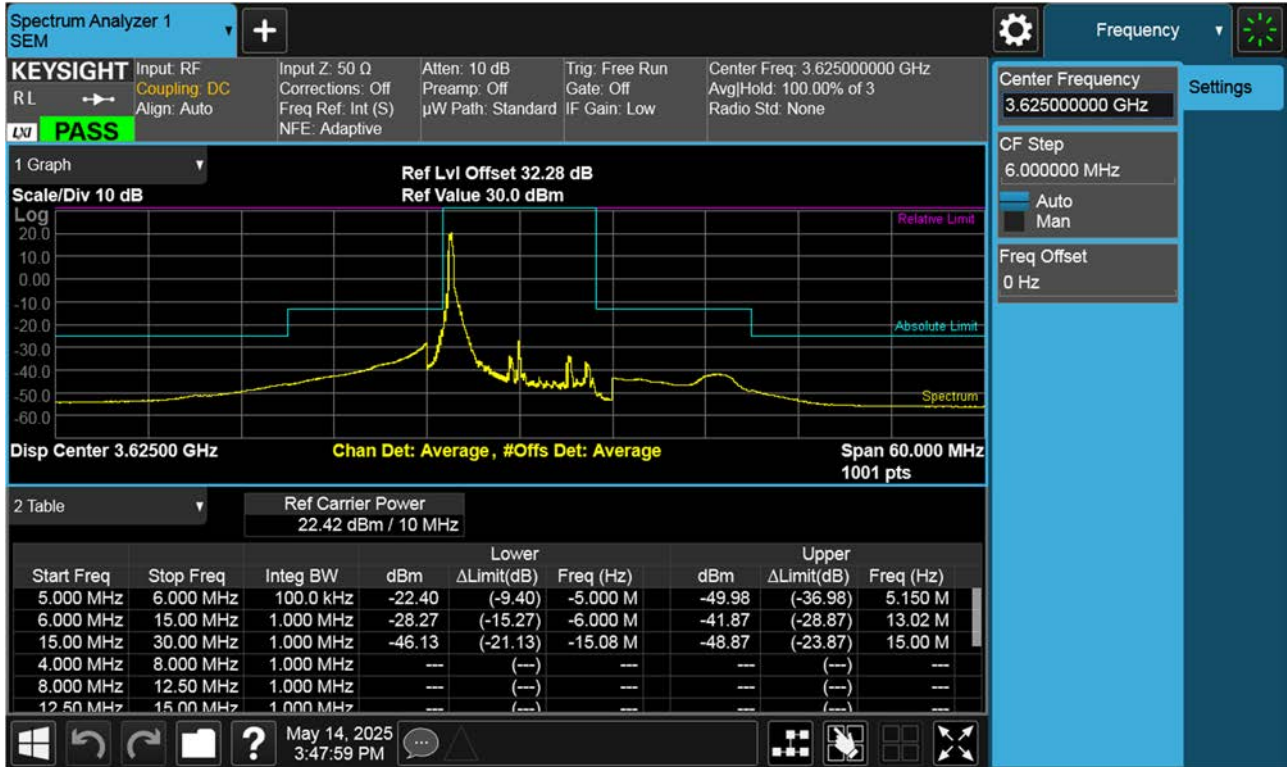LTE B48_15 M_BandEdge(Lower)_Low_3557.5 MHz_QPSK_1RB

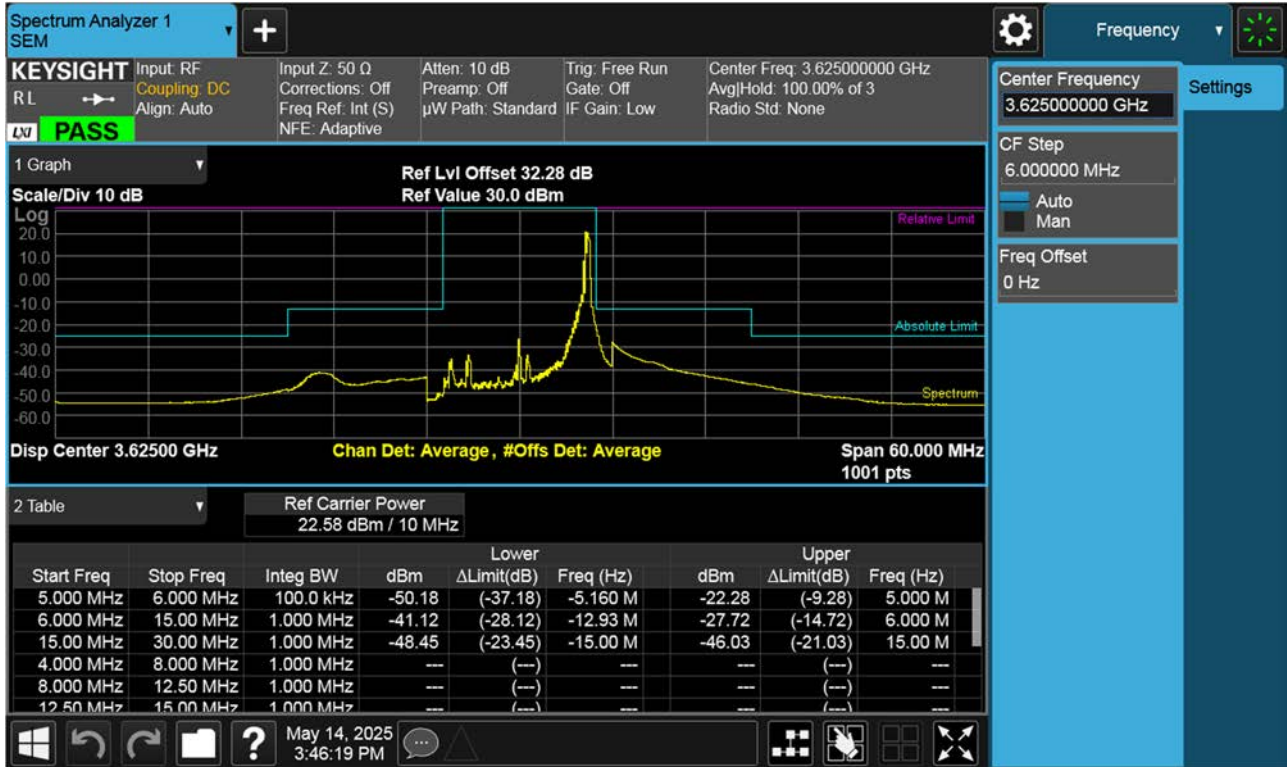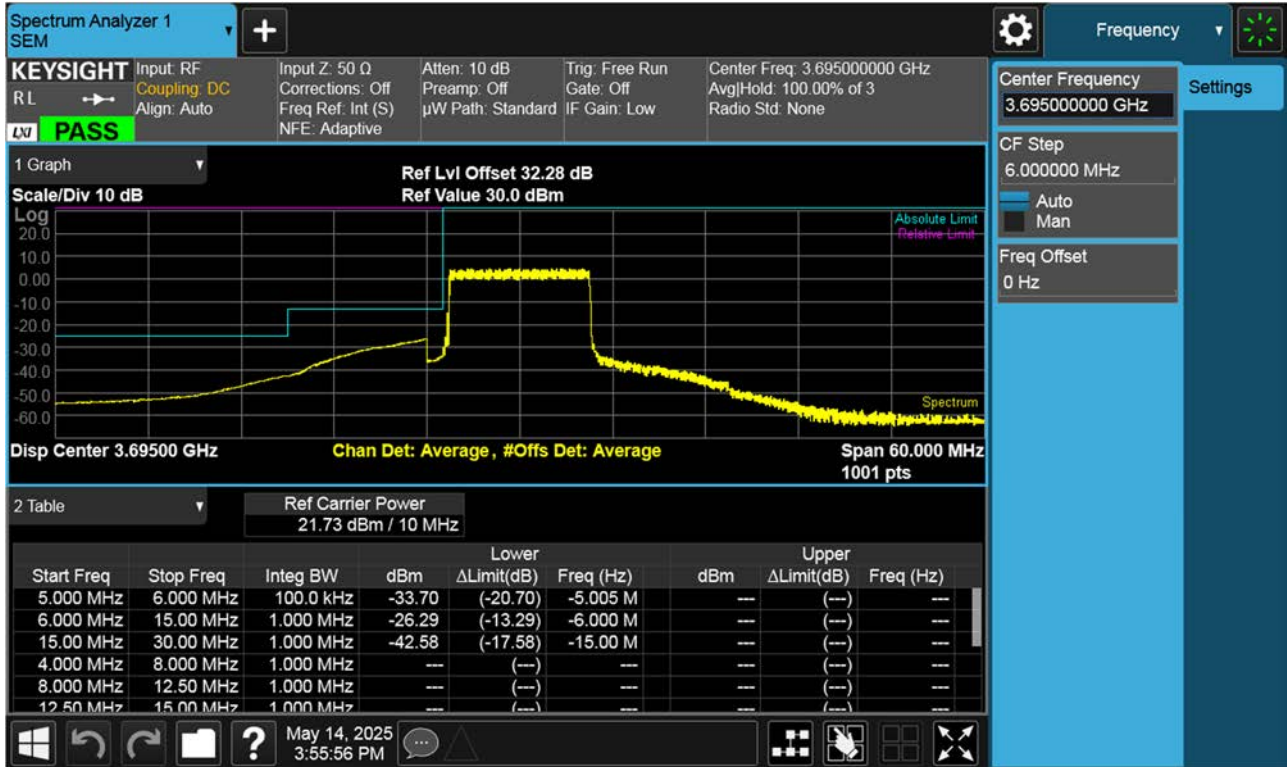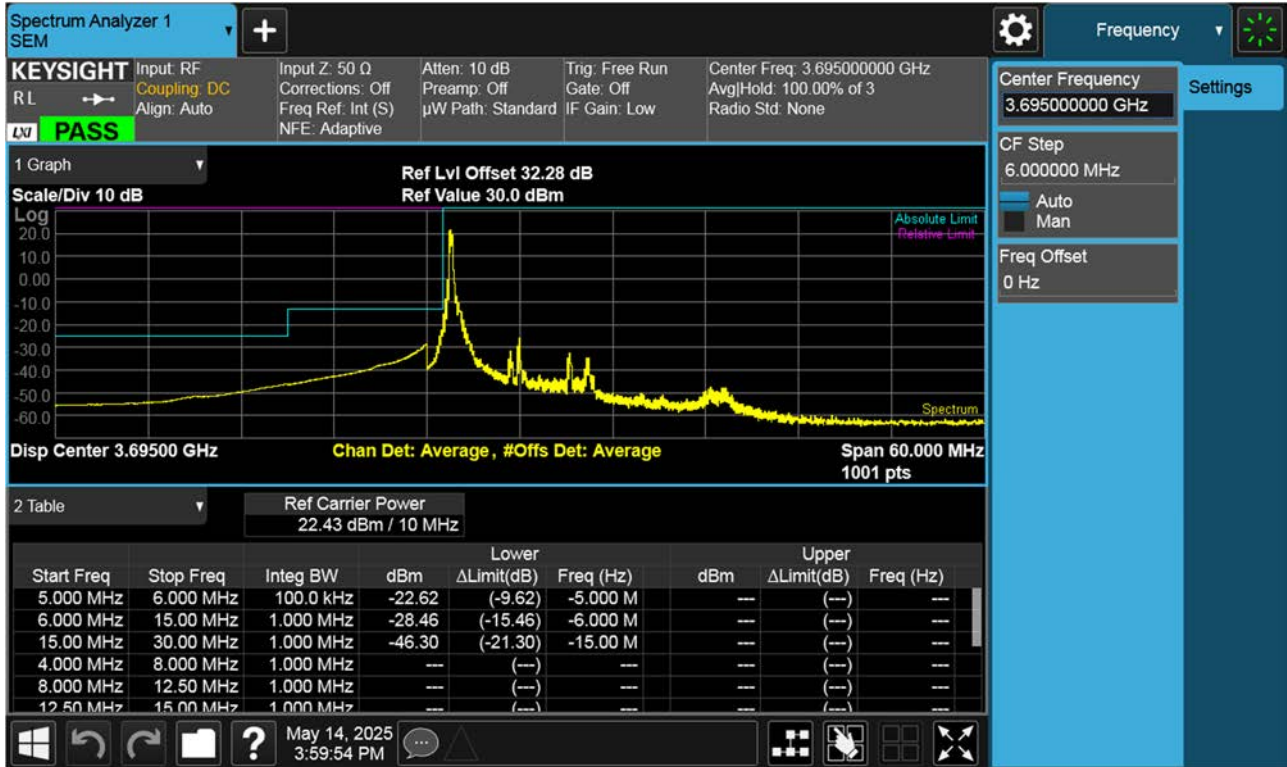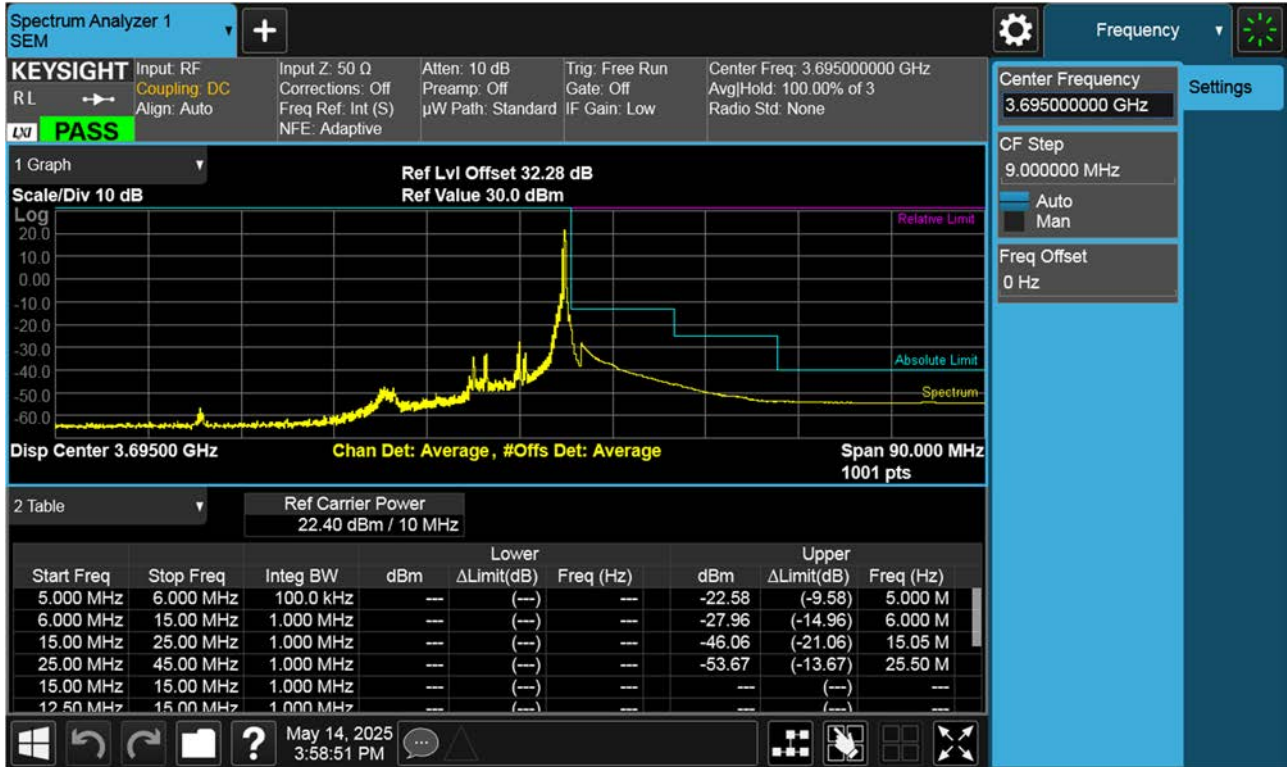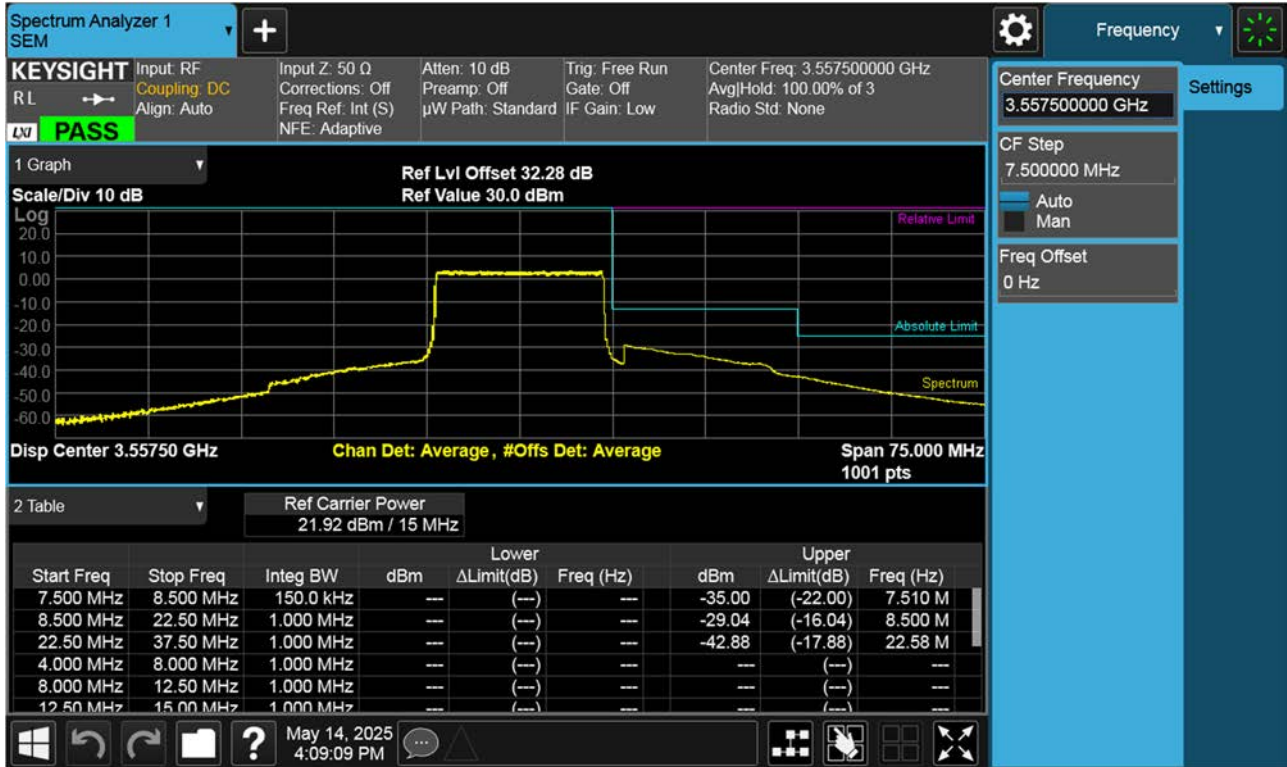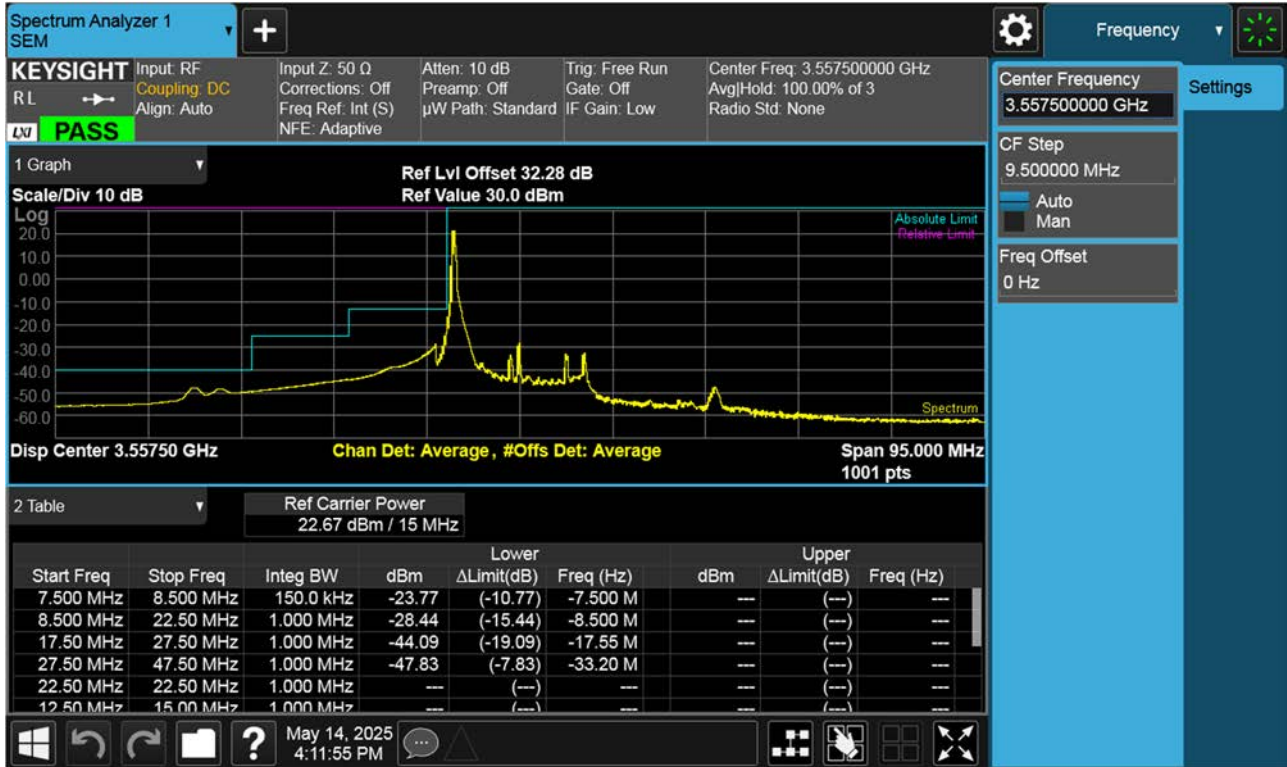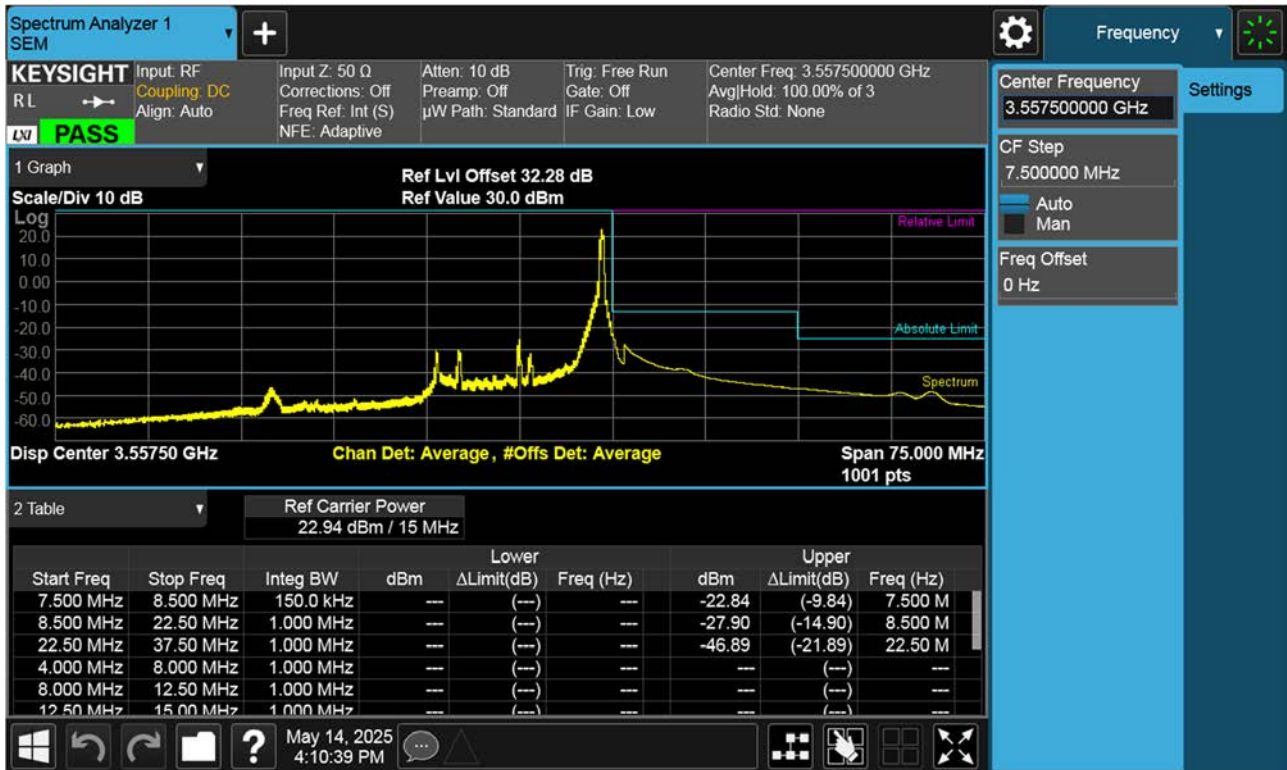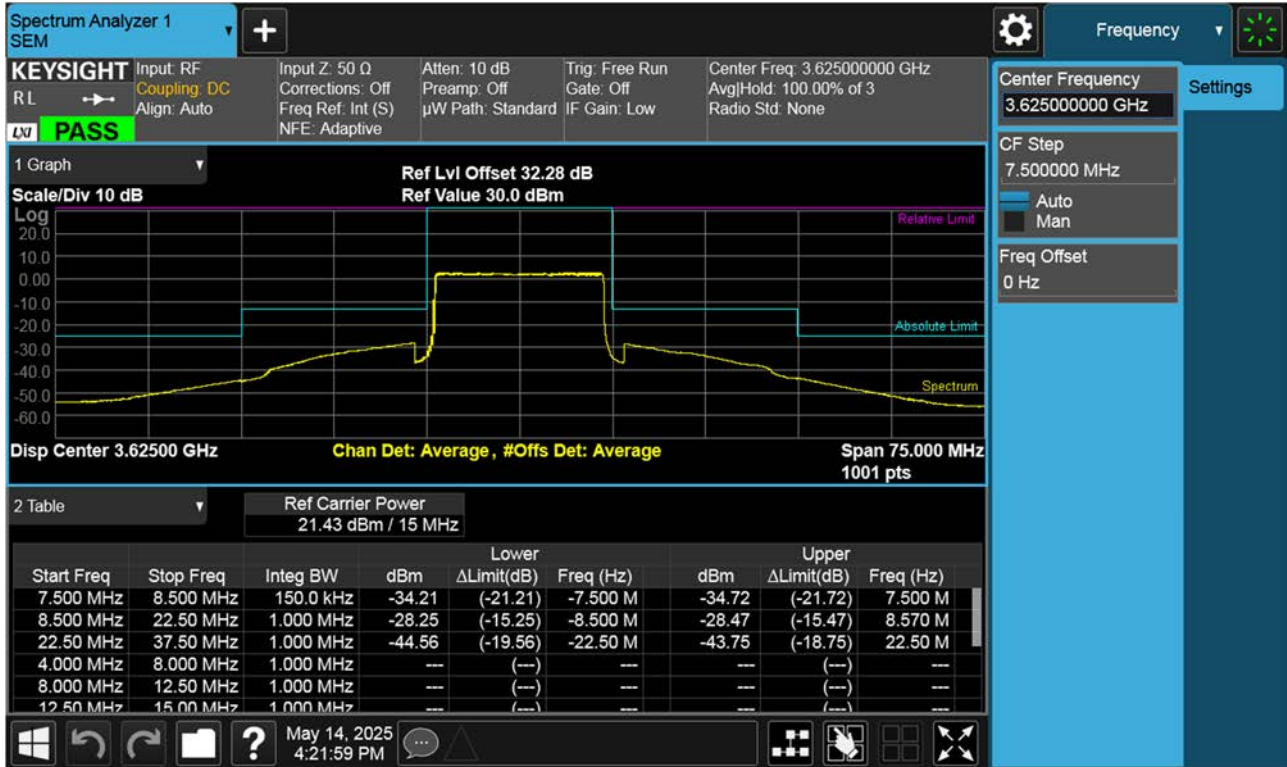LTE B48_15 M_BandEdge(Upper)_Low_3557.5 MHz_QPSK_1RB

LTE B48_15 M_BandEdge(Center)_Mid_3625 MHz_QPSK_Full RB

The report shall not be (partly) reproduced except in full without approval of the laboratory.

LTE B48_15 M_BandEdge(Lower)_Mid_3625 MHz_QPSK_1RB

LTE B48_15 M_BandEdge(Upper)_Mid_3625 MHz_QPSK_1RB

LTE B48_15 M_BandEdge(Lower)_High_3692.5 MHz_QPSK_Full RB

LTE B48_15 M_BandEdge(Upper)_High_3692.5 MHz_QPSK_Full RB

LTE B48_15 M_BandEdge(Lower)_High_3692.5 MHz_QPSK_1RB

LTE B48_15 M_BandEdge(Upper)_High_3692.5 MHz_QPSK_1RB

Spectrum Analyzer 1
SEM

KEYSIGHT
RL
LXI PASS

Input: RF
Coupling: DC
Align: Auto

Input Z: 50 Ω
Corrections: Off
Freq Ref: Int (S)
NFE: Adaptive

Atten: 10 dB
Preamp: Off
µW Path: Standard

Trig: Free Run
Gate: Off
IF Gain: Low

Center Freq: 3.692500000 GHz
Avg|Hold: 100.00% of 3
Radio Std: None

Center Frequency
3.692500000 GHz

Settings

CF Step
9.500000 MHz

Auto
Man

Freq Offset
0 Hz

1 Graph
Scale/Div 10 dB
Log
20.0
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0

Ref Lvl Offset 32.28 dB
Ref Value 30.0 dBm

Relative Limit

Absolute Limit
Spectrum

Disp Center 3.69250 GHz

Chan Det: Average , #Offs Det: Average

Span 95.000 MHz
1001 pts

2 Table

Ref Carrier Power
22.32 dBm / 15 MHz

				Lower			Upper		
Start Freq	Stop Freq	Integ BW	dBm	ΔLimit(dB)	Freq (Hz)	dBm	ΔLimit(dB)	Freq (Hz)	
7.500 MHz	8.500 MHz	150.0 kHz	---	(---)	---	-23.41	(-10.41)	7.500 M	
8.500 MHz	22.50 MHz	1.000 MHz	---	(---)	---	-28.41	(-15.41)	8.500 M	
17.50 MHz	27.50 MHz	1.000 MHz	---	(---)	---	-44.60	(-19.60)	17.55 M	
27.50 MHz	47.50 MHz	1.000 MHz	---	(---)	---	-48.08	(-8.08)	33.20 M	
22.50 MHz	22.50 MHz	1.000 MHz	---	(---)	---	---	(---)	---	
12.50 MHz	15.00 MHz	1.000 MHz	---	(---)	---	---	---	---	

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LTE B48_20 M_BandEdge(Lower)_Low_3560 MHz_QPSK_Full RB_1

LTE B48_20 M_BandEdge(Upper)_Low_3560 MHz_QPSK_Full RB
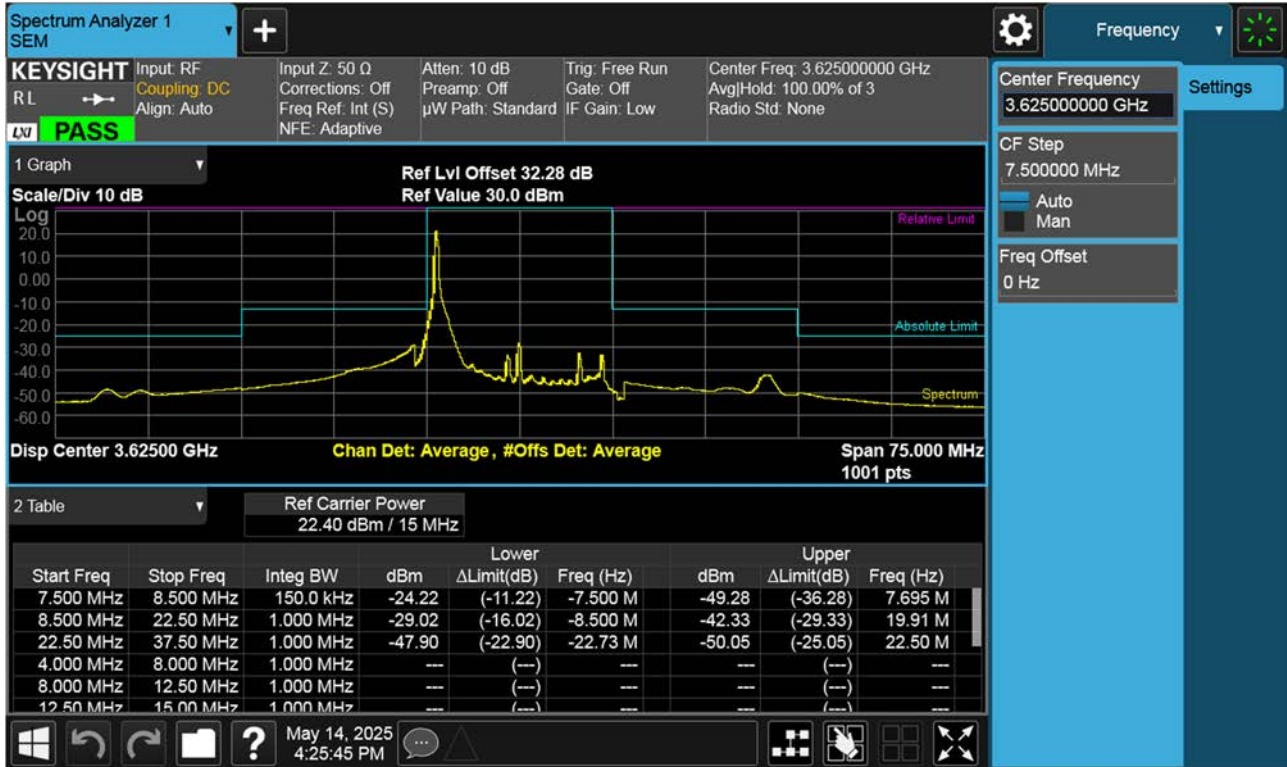
LTE B48_20 M_BandEdge(Lower)_Low_3560 MHz_QPSK_1RB

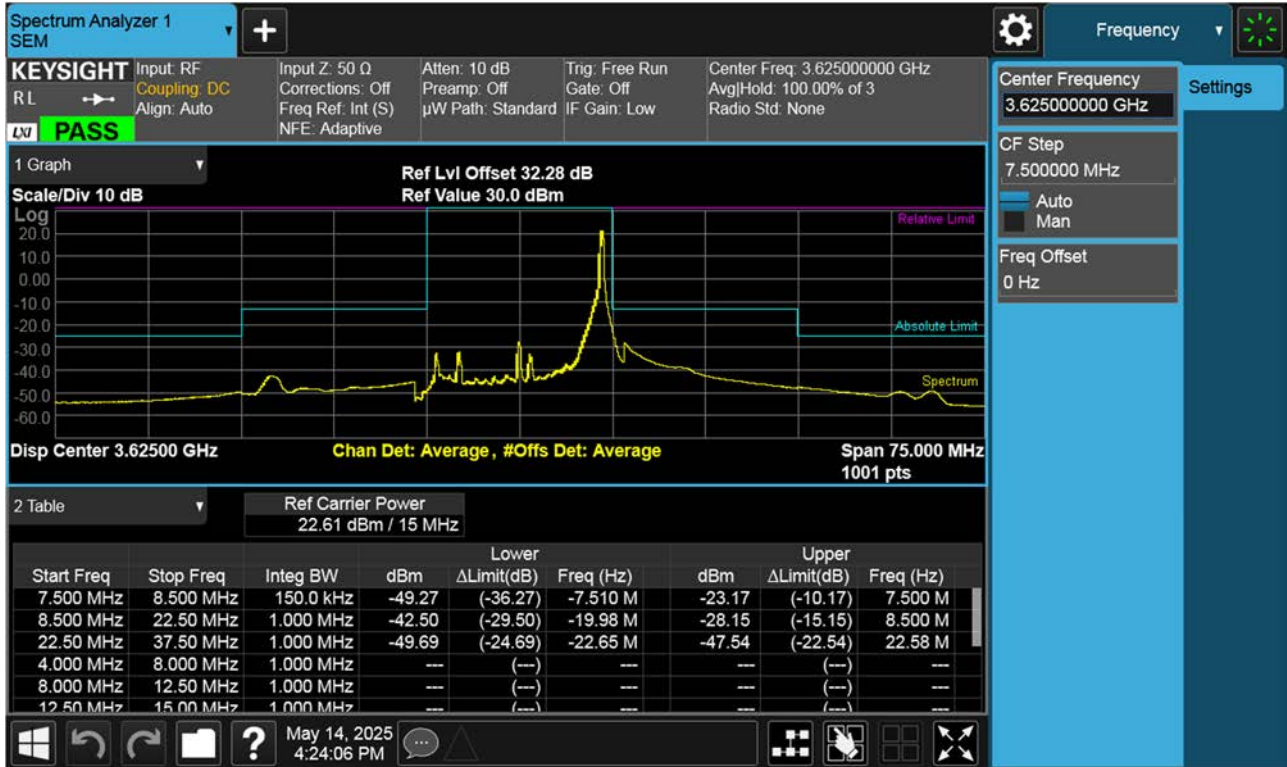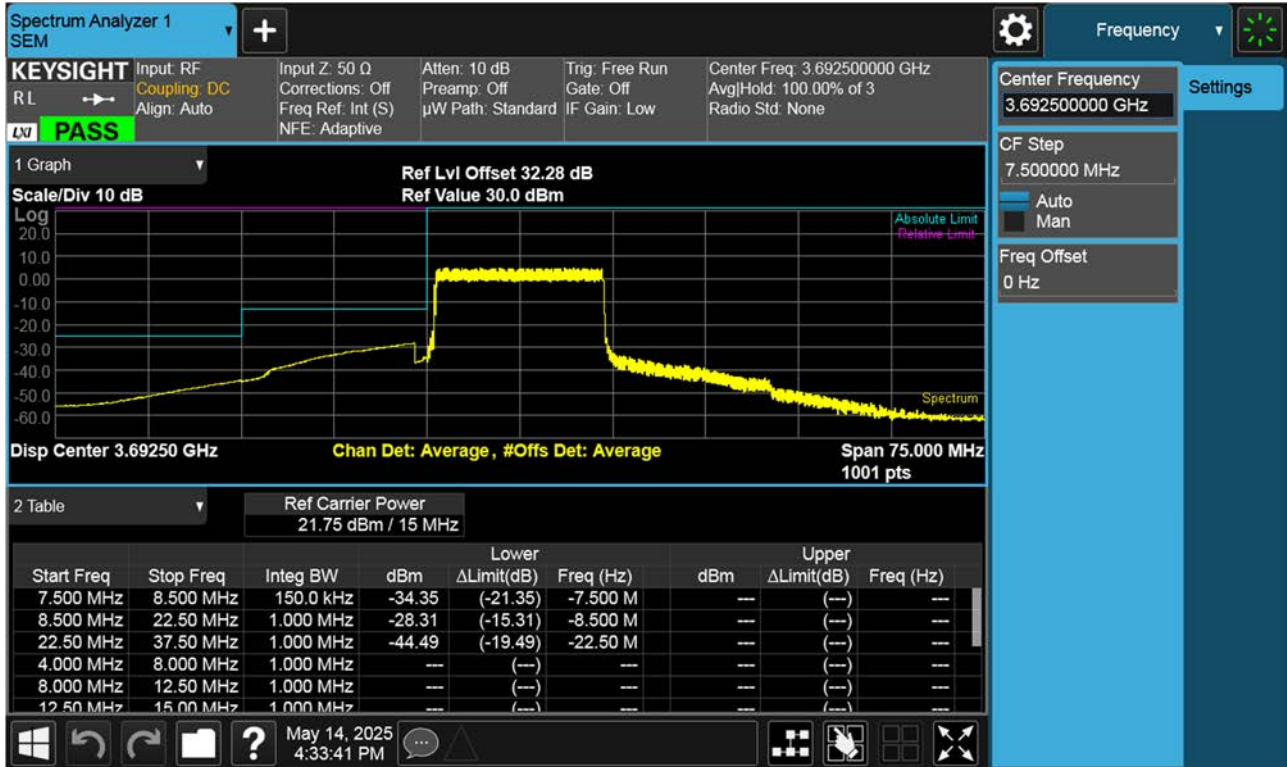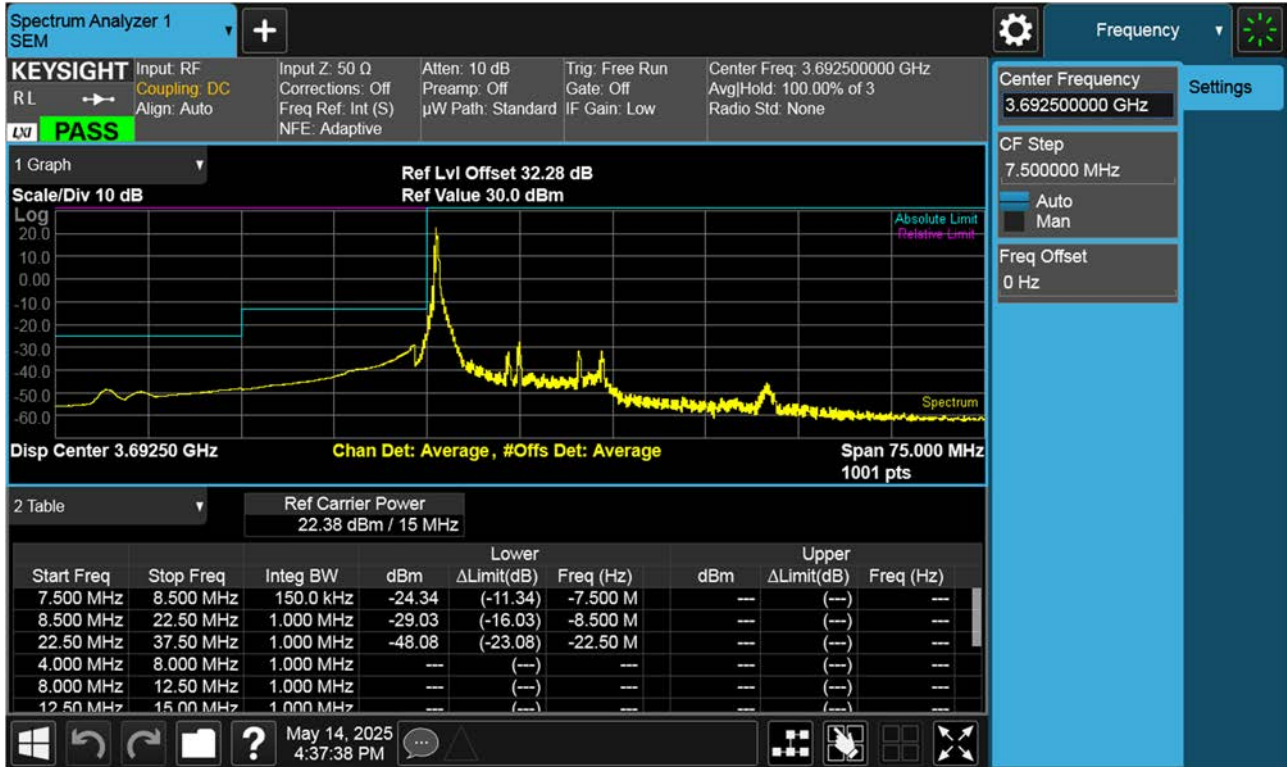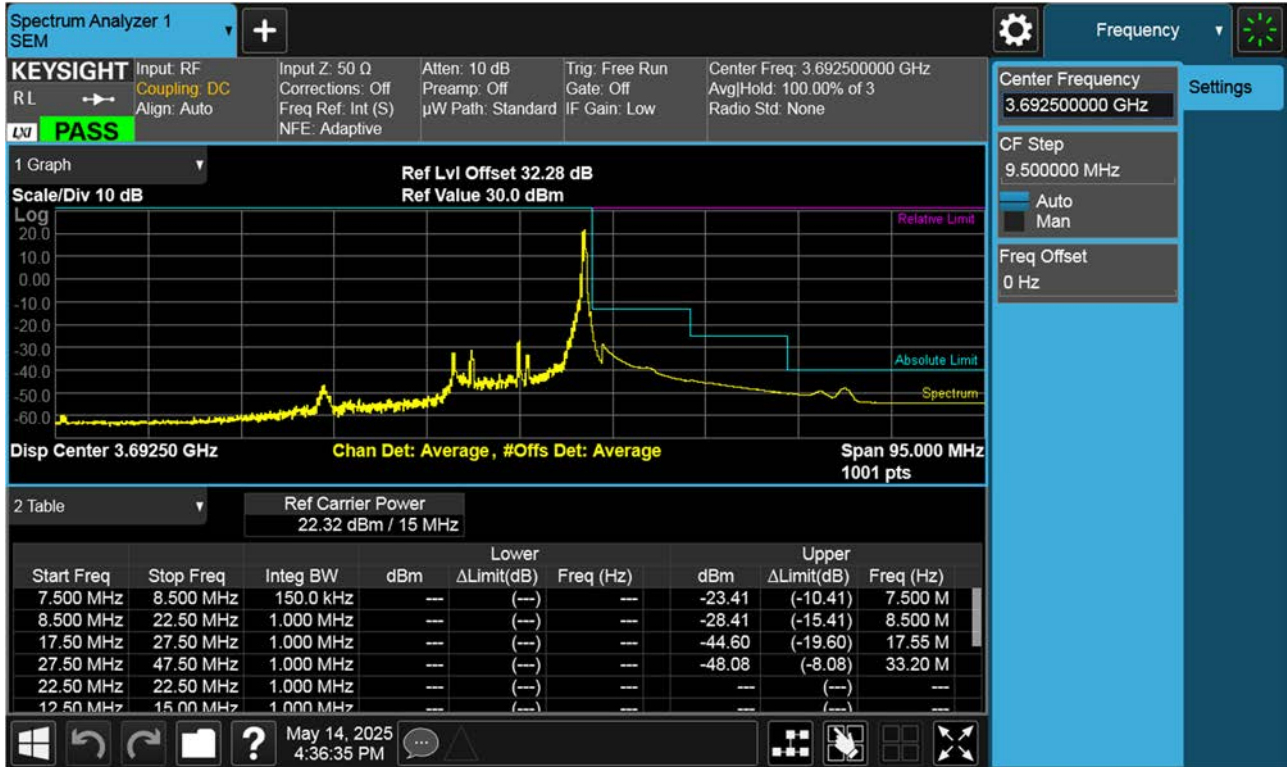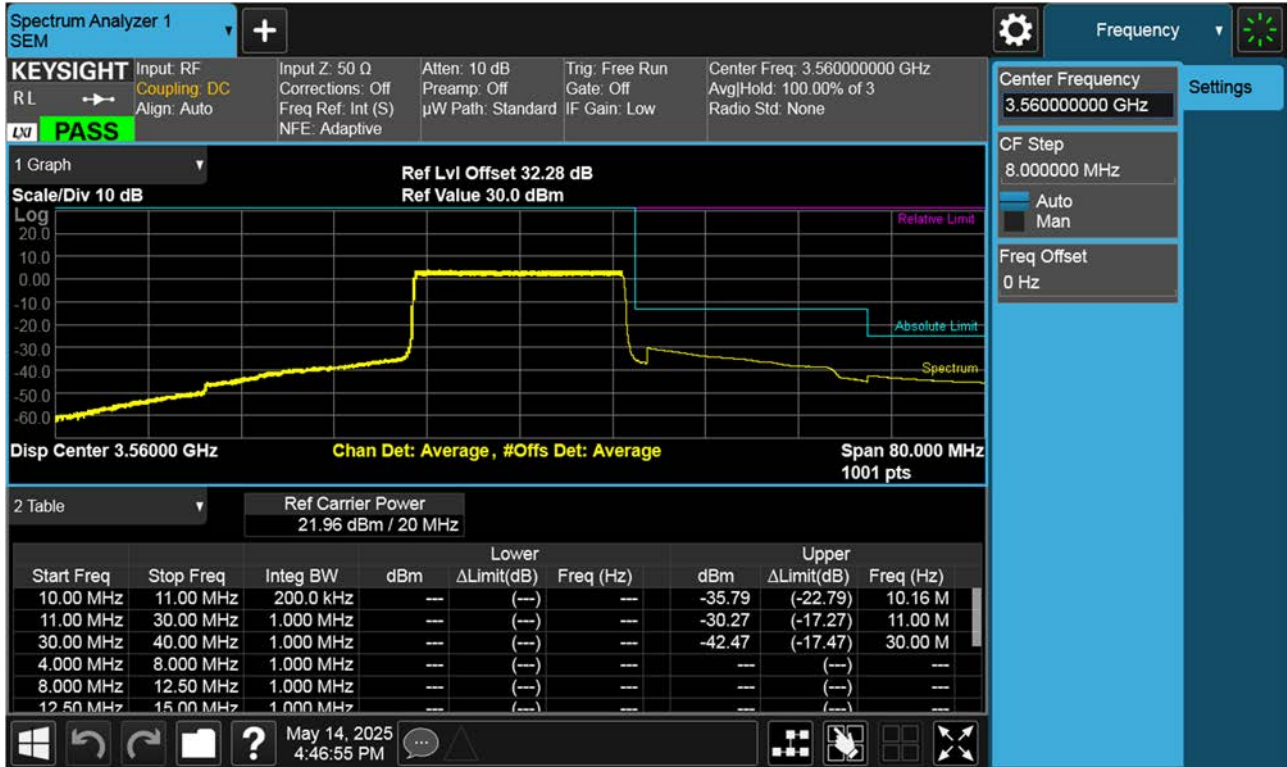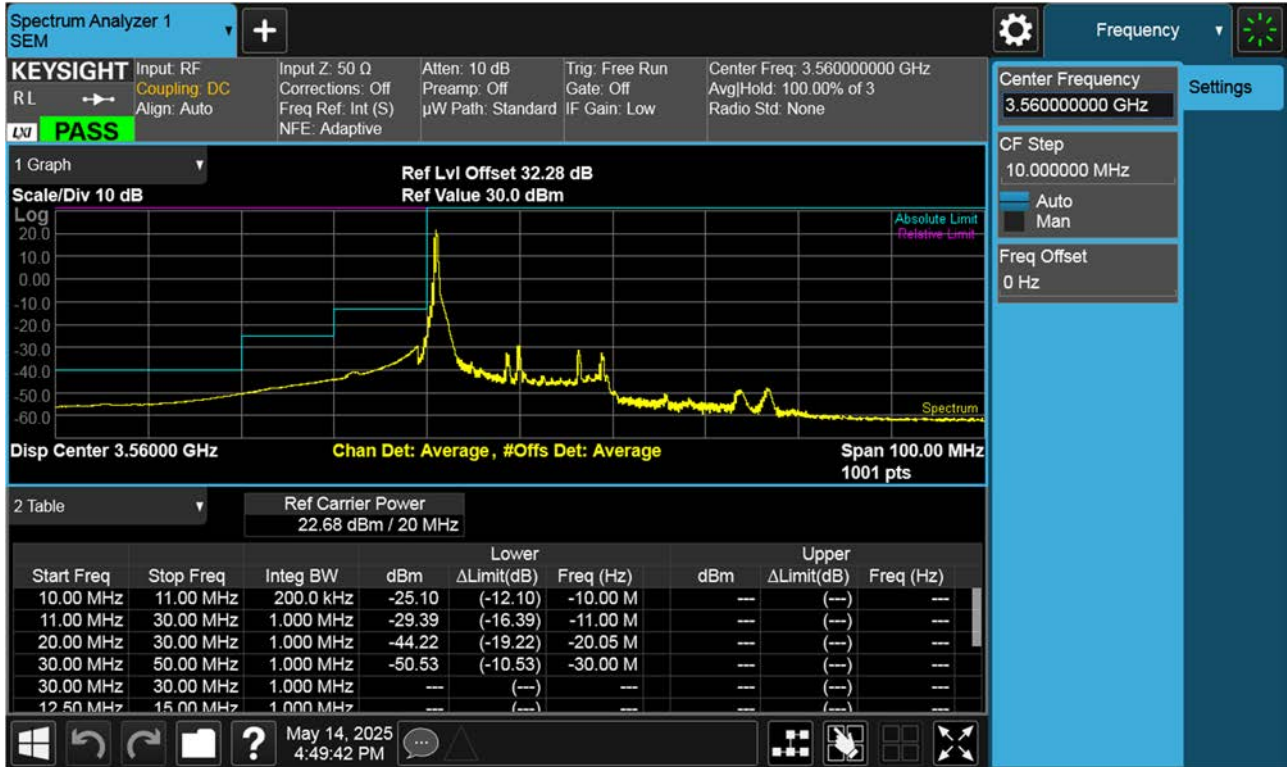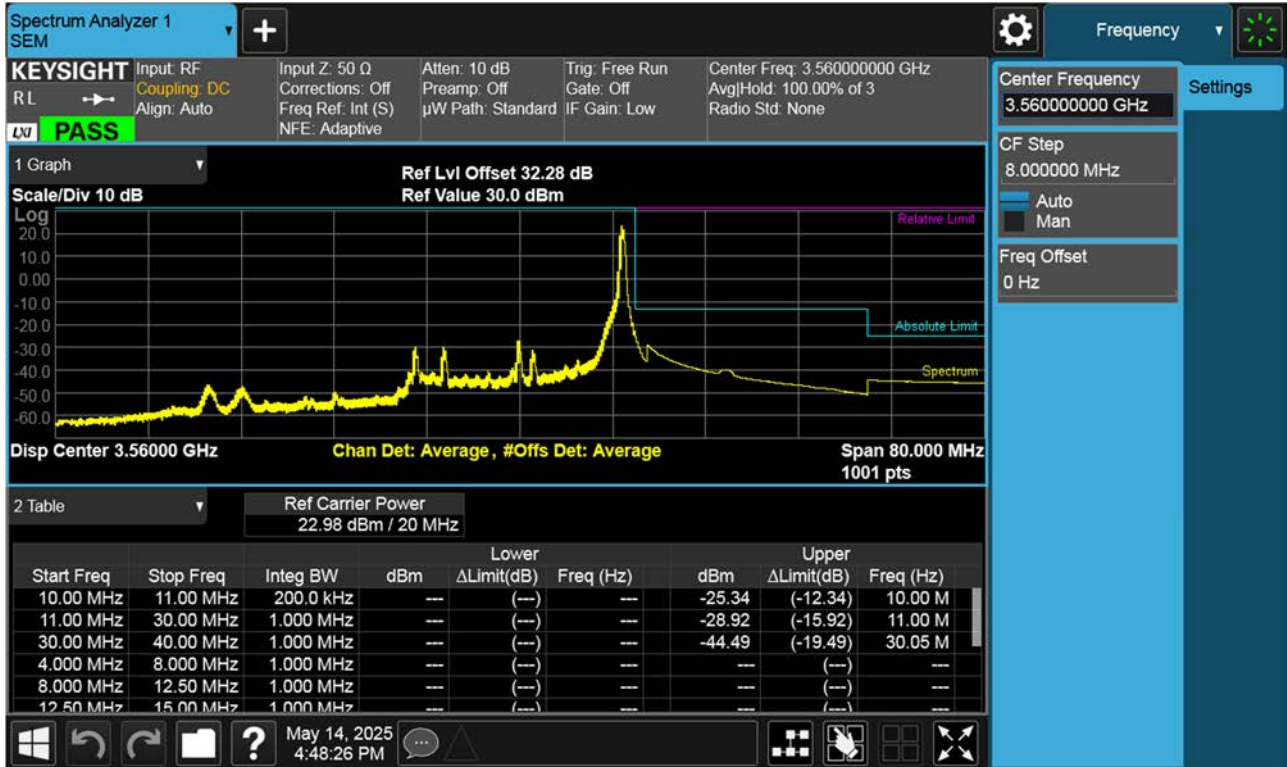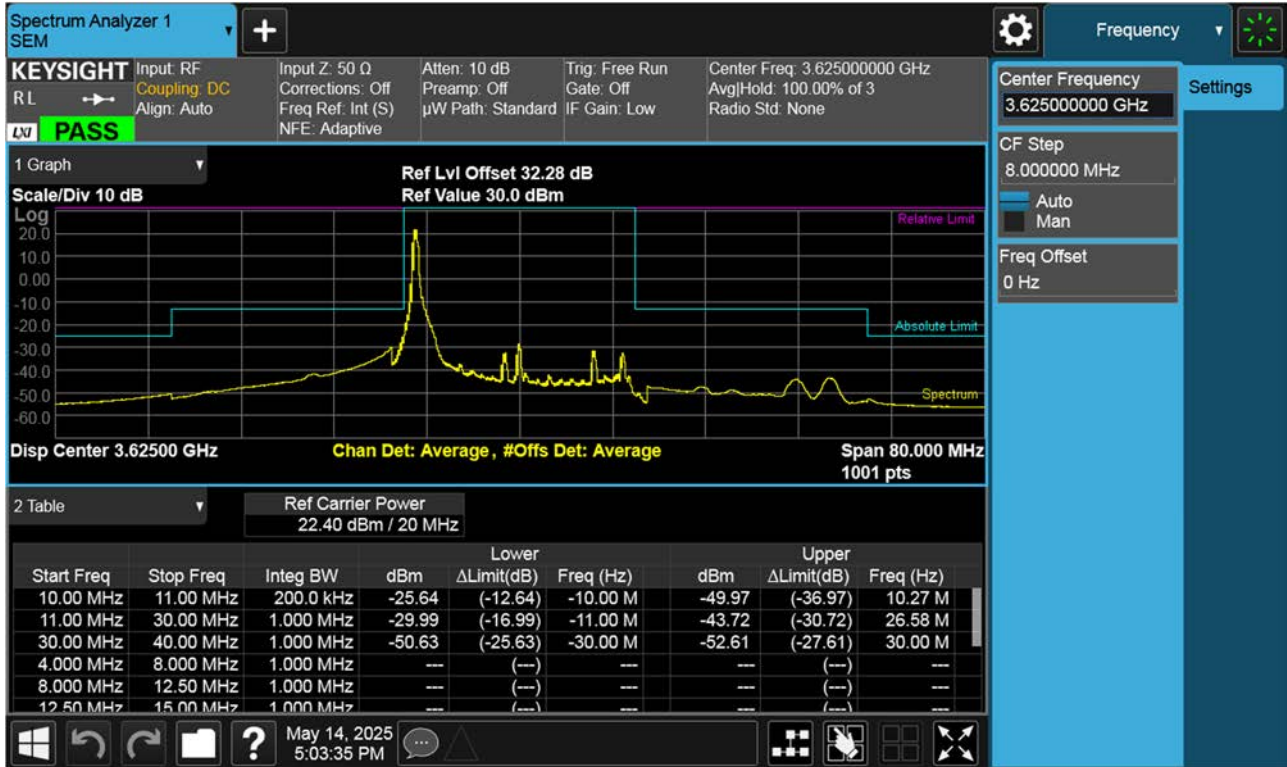LTE B48_20 M_BandEdge(Upper)_Low_3560 MHz_QPSK_1RB

LTE B48_20 M_BandEdge(Center)_Mid_3625 MHz_QPSK_Full RB

LTE B48_20 M_BandEdge(Lower)_Mid_3625 MHz_QPSK_1RB

LTE B48_20 M_BandEdge(Upper)_Mid_3625 MHz_QPSK_1RB