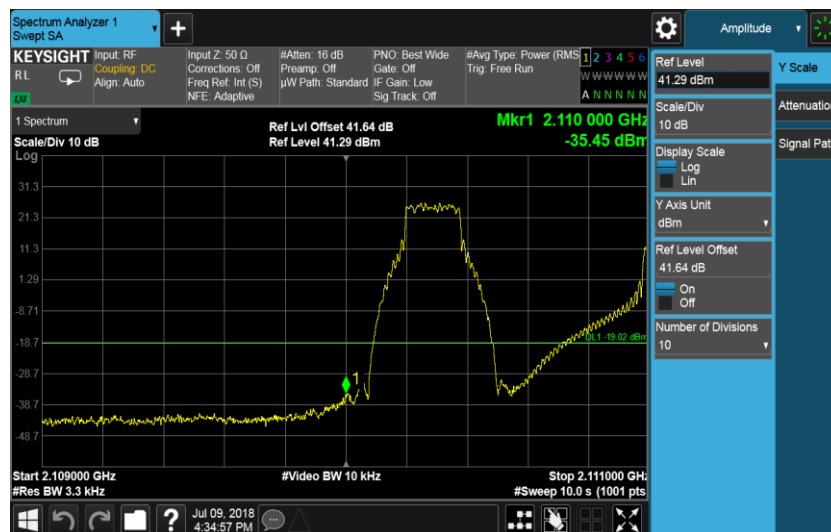




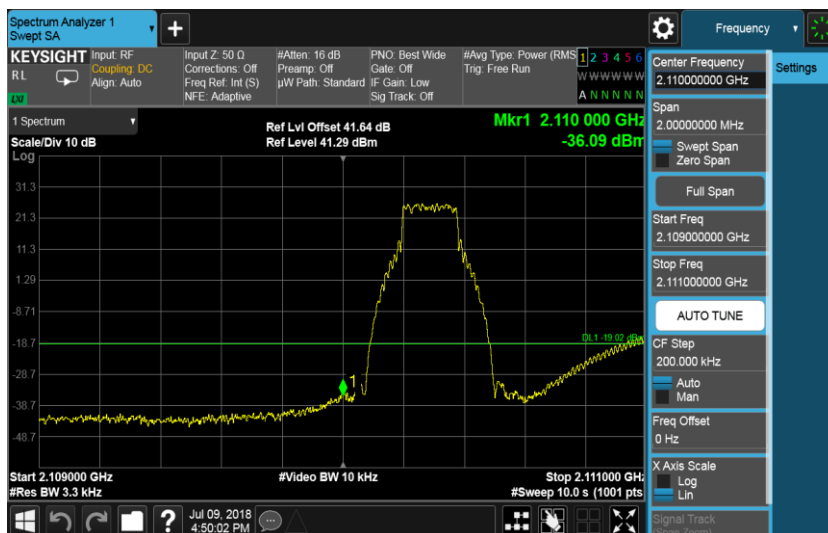
Port C, Channel Position B, LTE 10.0MHz



Port C, Channel Position T, LTE 10.0MHz

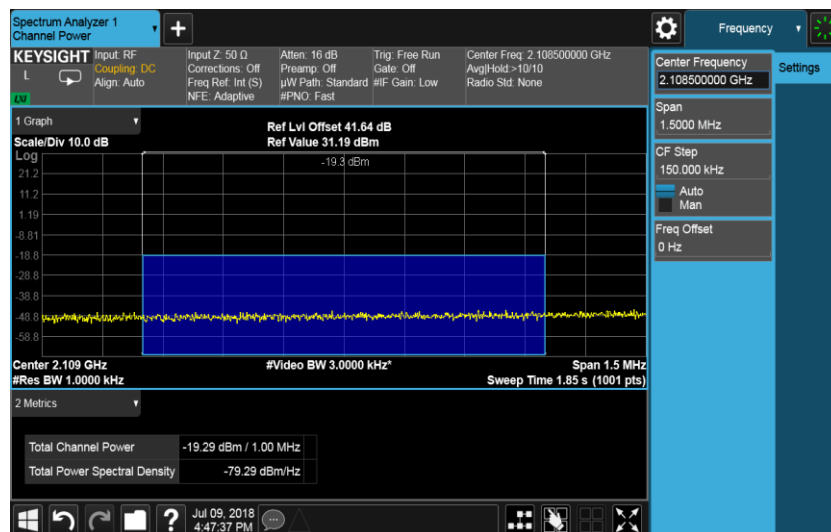


Port C, Channel Position B, LTE 15.0MHz

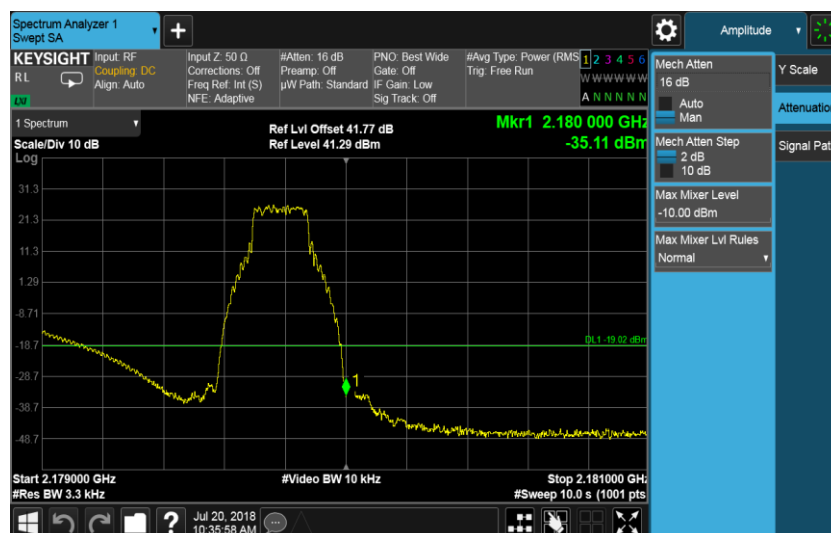


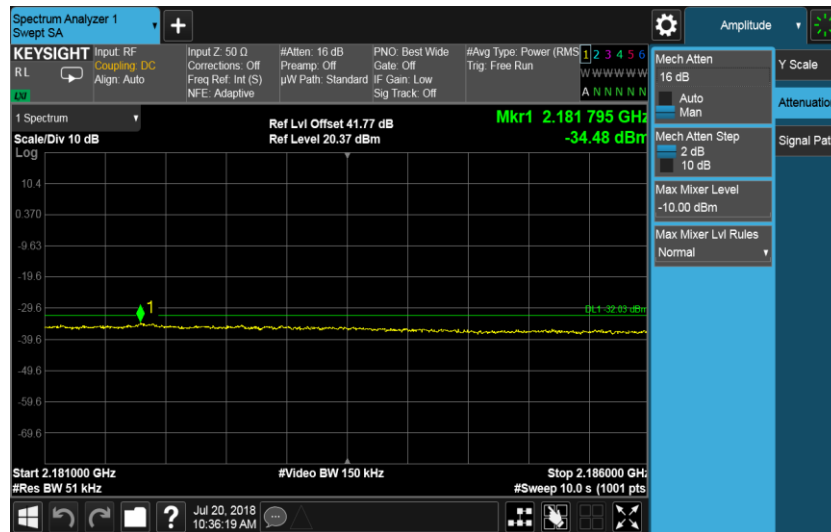


The channel power of 1MHz for 2108.500MHz is -19.29 dBm , which is within the limit of -19.02 dBm .

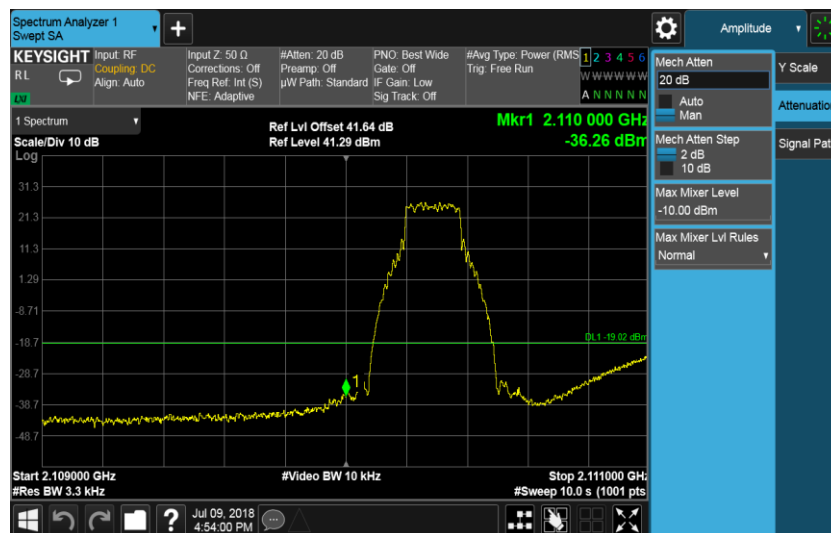


Port C, Channel Position T, LTE 15.0MHz

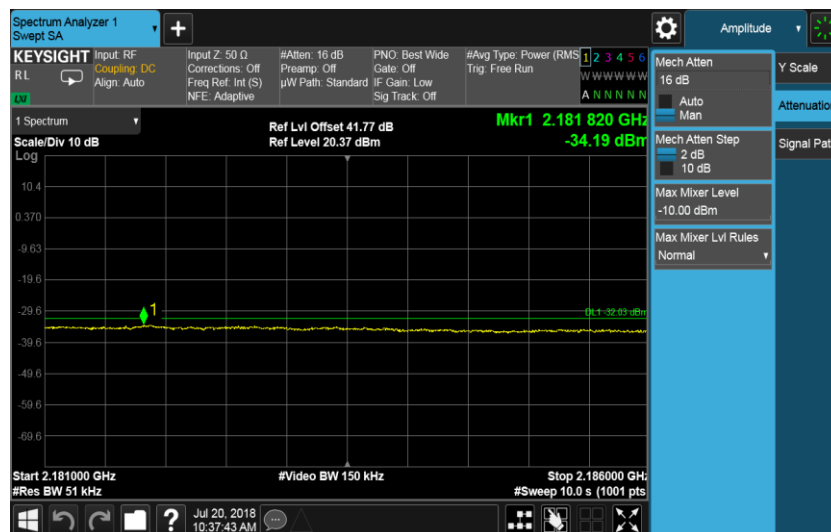
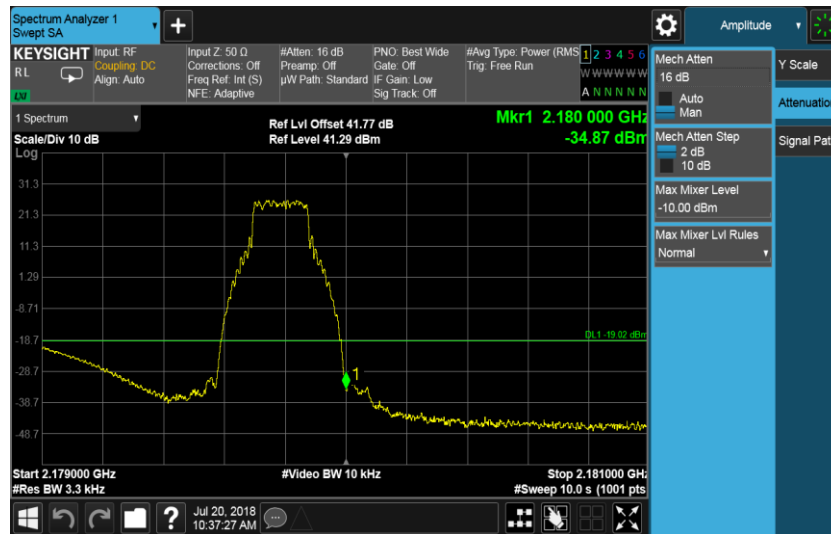




Port C, Channel Position B, LTE 20.0MHz



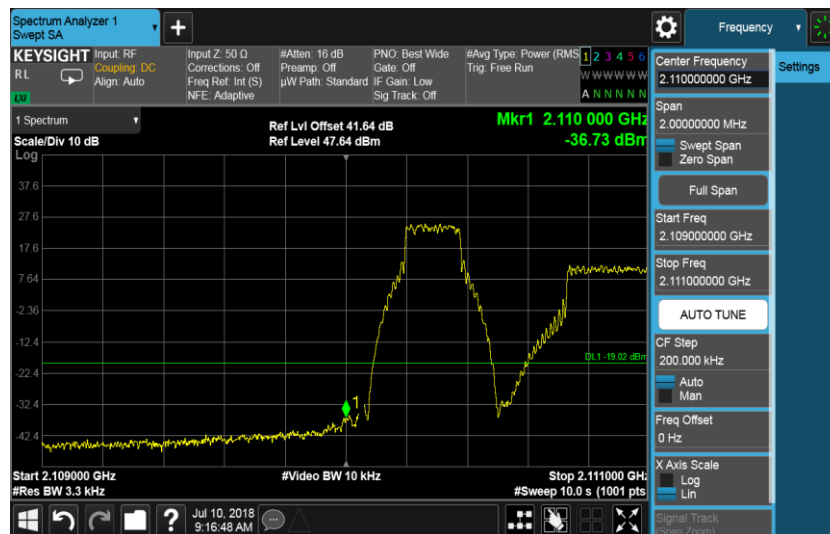
Port C, Channel Position T, LTE 20.0MHz



Configuration NB-IoT+LTE-MIMO-MC-2-BE, (1SA, QPSK +2LTE, QPSK)

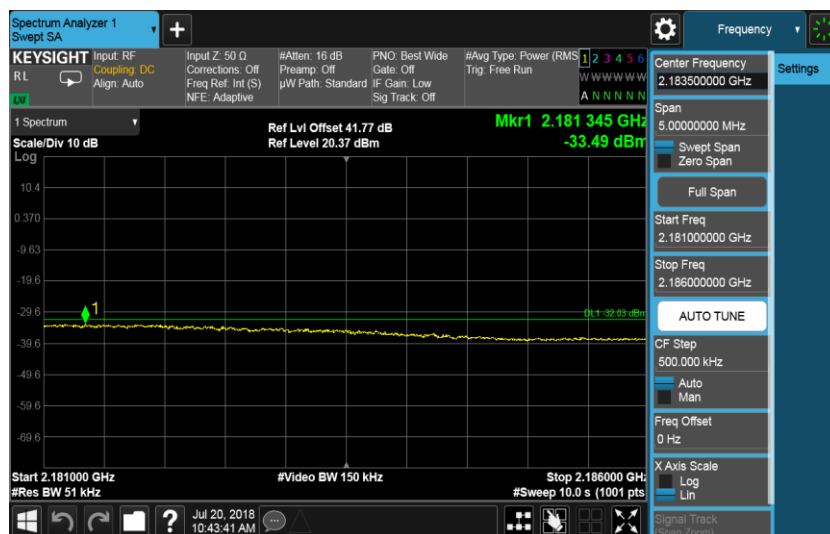
Band Edge Frequency	Channel Bandwidth	RBW (KHz)	Limit (dBm)
Channel Position B 2110.0MHz	(NB) 250KHz, (L) 5.0MHz	3.3	-19.02
	(NB) 250KHz, (L) 10.0MHz	3.3	-19.02
	(NB) 250KHz, (L) 15.0MHz	3.3	-19.02
	(NB) 250KHz, (L) 20.0MHz	3.3	-19.02
Channel Position T 2180.0MHz	(NB) 250KHz, (L) 5.0MHz	3.3	-19.02
	(NB) 250KHz, (L) 10.0MHz	3.3	-19.02
	(NB) 250KHz, (L) 15.0MHz	3.3	-19.02
	(NB) 250KHz, (L) 20.0MHz	3.3	-19.02

Port C, Channel Position B, LTE 5.0MHz





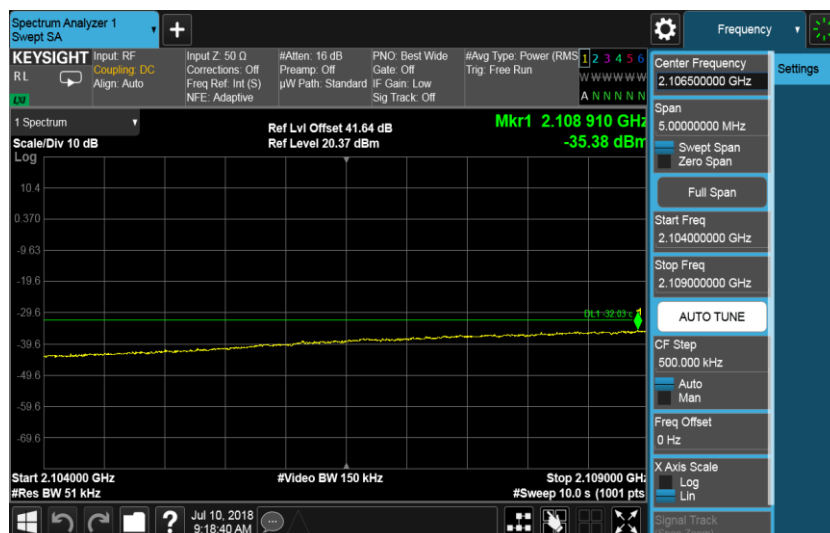
Port C, Channel Position T, LTE 5.0MHz



The screenshot displays the Keysight Spectrum Analyzer 1 interface. The main display shows a spectrum plot with a yellow trace. The plot has a logarithmic scale (Log) and a frequency range from 2.109000 GHz to 2.111000 GHz. The trace shows a signal with a peak at approximately 2.110000 GHz, labeled "Mkr1 2.110 000 GHz -37.66 dBm". The plot also shows a reference level at 41.64 dB and a reference level offset at 41.29 dBm. The plot is labeled "Scale/Div 10 dB" and "Log". The plot also shows a video bandwidth of 10 kHz and a sweep rate of 10.0 s (1001 pts).

The interface includes various settings and controls:

- Input:** Z 50 Ω , Corrections: Off, Freq Ref: Int (S), NFE: Adaptive
- Attenuation:** #Atten: 16 dB, Preamp: Off, μ W Path: Standard
- Gate:** PNO: Best Wide, Gate: Off
- IF Gain:** IF Gain: Low
- Sig Track:** Sig Track: Off
- Avg Type:** Power (RMS), Trig: Free Run
- Center Frequency:** 2.11000000 GHz
- Span:** 2.00000000 MHz
- Start Freq:** 2.109000000 GHz
- Stop Freq:** 2.111000000 GHz
- CF Step:** 200.000 kHz
- Freq Offset:** 0 Hz
- X Axis Scale:** Log
- Resolution Bandwidth:** #Res BW 3.3 kHz
- Video Bandwidth:** #Video BW 10 kHz
- Sweep Rate:** #Sweep 10.0 s (1001 pts)



Spectrum Analyzer 1
 Input Z: 50 Ω
 Corrections: Off
 Freq Ref: Int (S)
 NFE: Adaptive

KEYSIGHT
 Coupling: DC
 Align: Auto

1 Spectrum
 Scale/Div 10 dB
 Log

Ref Lvl Offset 41.77 dB
Ref Level 41.29 dBm

Mkr1 2.180 000 GHz
-35.40 dBm

Start 2.179000 GHz
#Res BW 3.3 kHz

#Video BW 10 kHz

Stop 2.181000 GHz
#Sweep 10.0 s (1001 pts)

Center Frequency
2.18000000 GHz

Span
 2.00000000 MHz

Sweep Span
 Zero Span

Full Span

Start Freq
 2.179000000 GHz

Stop Freq
 2.181000000 GHz

AUTO TUNE

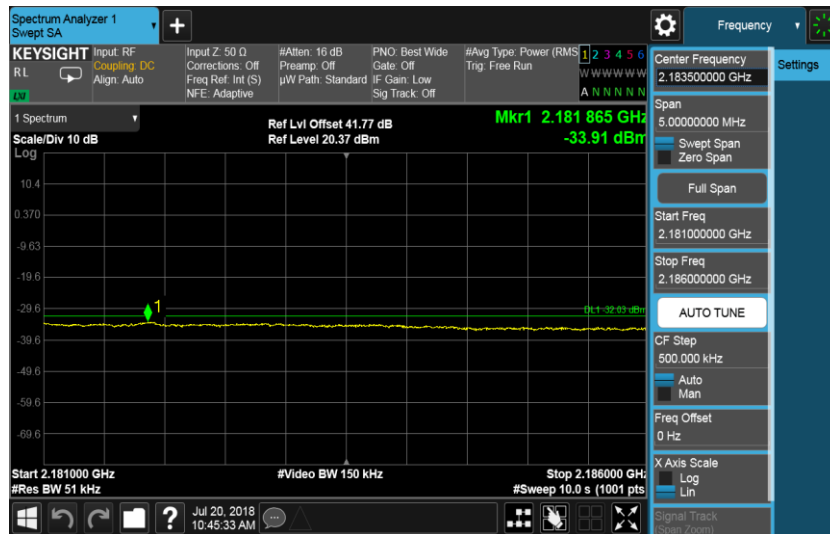
CF Step
 200.000 kHz

Auto
Man

Freq Offset
 0 Hz

X Axis Scale
 Log
 Lin

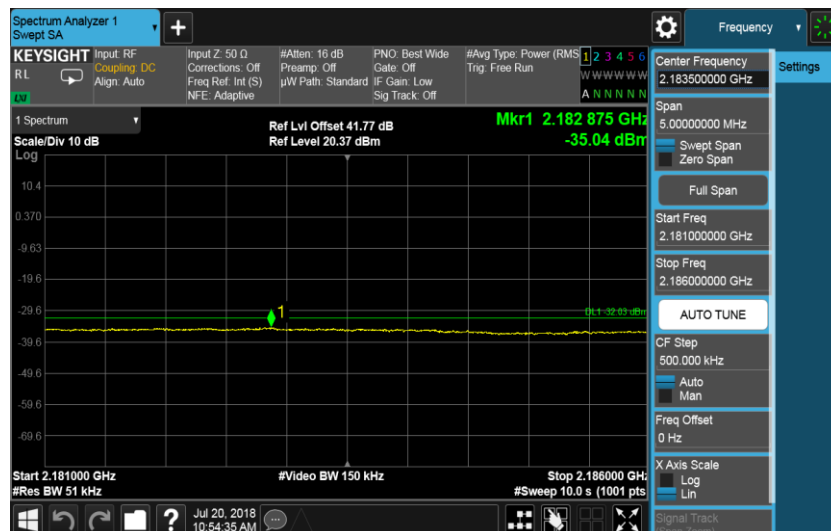
Signal Track



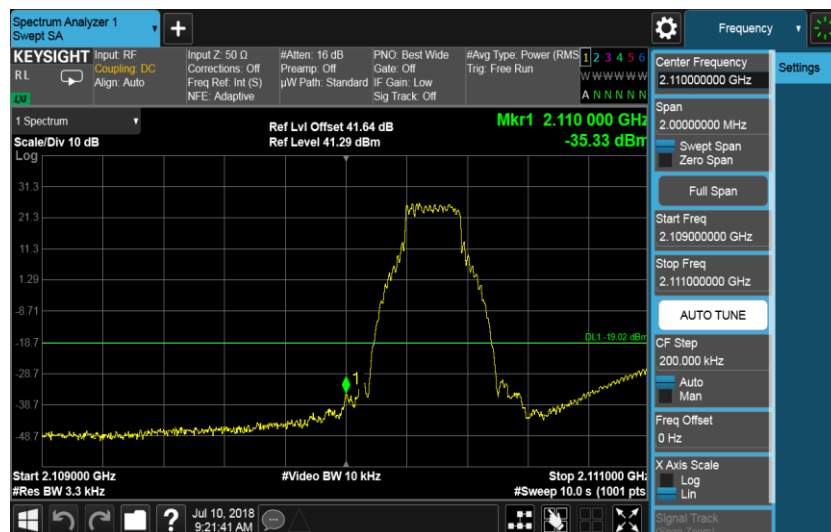
Port C, Channel Position B, LTE 15.0MHz



Port C, Channel Position T, LTE 15.0MHz

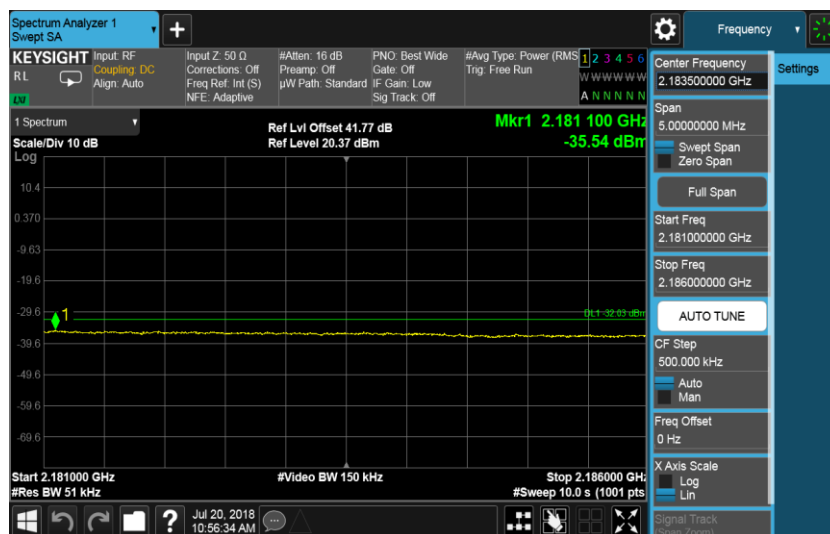
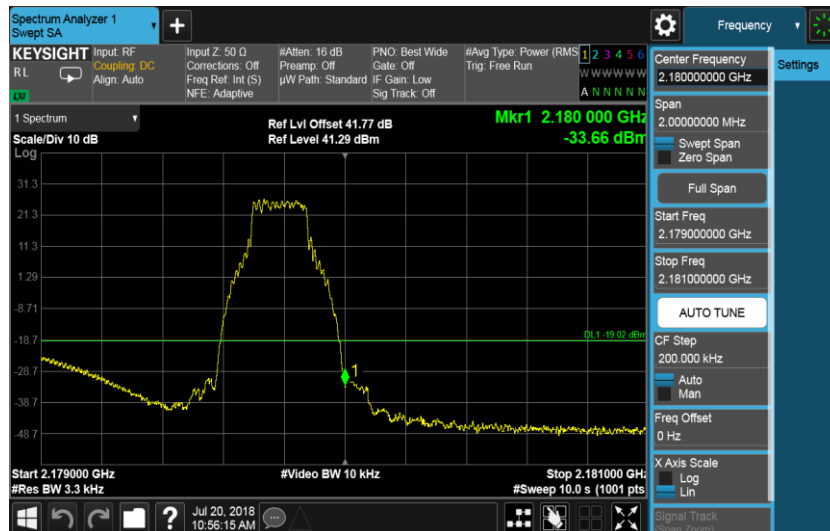


Port C, Channel Position B, LTE 20.0MHz





Port C, Channel Position T, LTE 20.0MHz



Configuration NB-IoT+LTE-MIMO-MC-1-BE, (1GB, QPSK +1LTE, QPSK)

Band Edge Frequency	Channel Bandwidth	RBW (KHz)	Limit (dBm)
Channel Position B 2110.0MHz	(GB) 10MHz, (L) 5.0MHz	51	-19.02
Channel Position T 2180.0MHz	(GB) 10MHz, (L) 5.0MHz	51	-19.02

Port C, Channel Position B



Port C, Channel Position T



Configuration NB-IoT+LTE-MIMO-MC-2-BE, (1GB, QPSK +2LTE, QPSK)

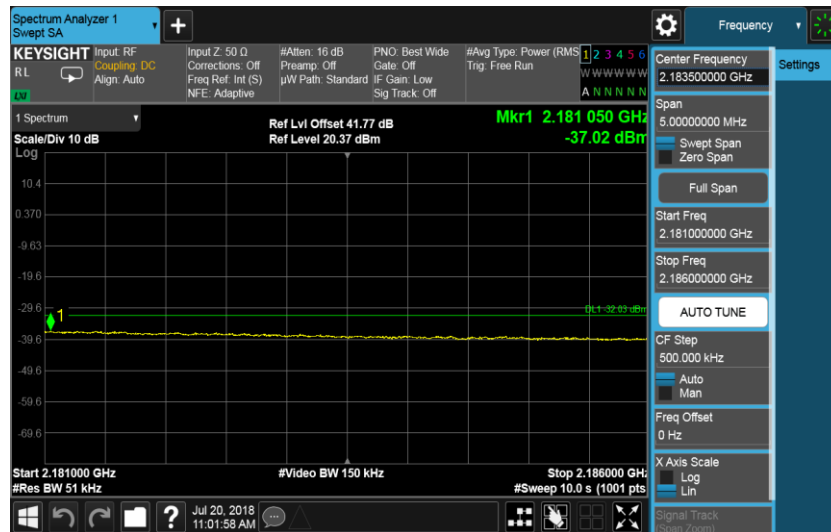
Band Edge Frequency	Channel Bandwidth	RBW (KHz)	Limit (dBm)
Channel Position B 2110.0MHz	(GB) 10MHz, (L) 5.0MHz	51	-19.02
Channel Position T 2180.0MHz	(GB) 10MHz, (L) 5.0MHz	51	-19.02

Port C, Channel Position B



Port C, Channel Position T





Configuration NB-IoT+WCDMA+LTE-MIMO-MC-1-BE, (1SA QPSK +1WCDMA 16QAM +1LTE QPSK)

Band Edge Frequency	Channel Bandwidth	RBW (KHz)	Limit (dBm)
Channel Position B 2110.0MHz	(NB) 250KHz, (W) 5.0MHz (L) 5.0MHz	3.3	-19.02
	(NB) 250KHz, (W) 5.0MHz (L) 10.0MHz	3.3	-19.02
	(NB) 250KHz, (W) 5.0MHz (L) 15.0MHz	3.3	-19.02
	(NB) 250KHz, (W) 5.0MHz (L) 20.0MHz	3.3	-19.02

Port C, Channel Position B, LTE 5.0MHz

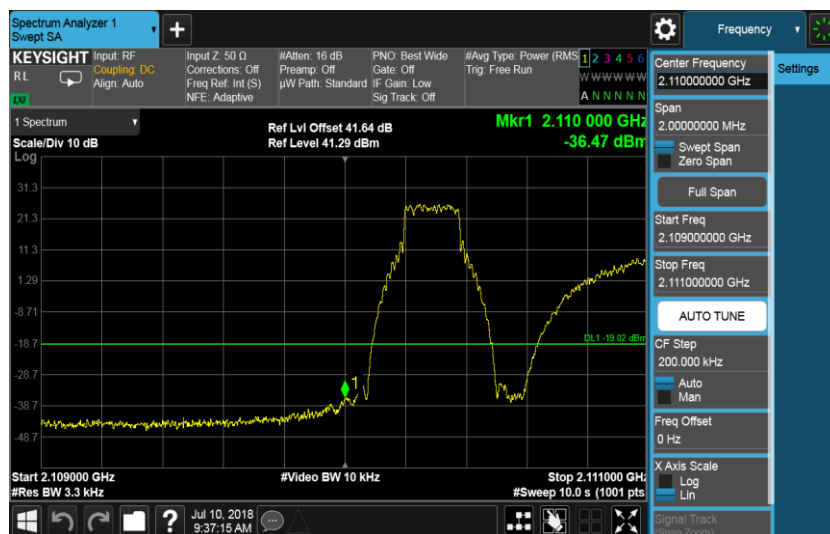




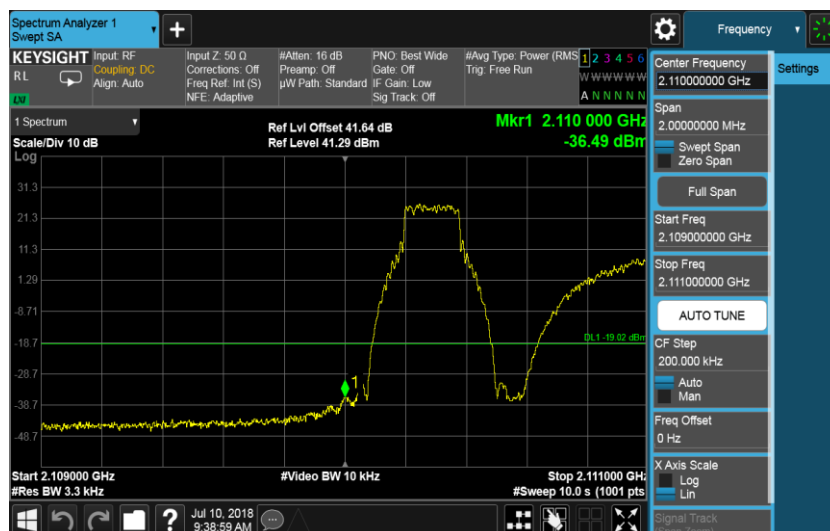
Port C, Channel Position B, LTE 10.0MHz



Port C, Channel Position B, LTE 15.0MHz



Port C, Channel Position B, LTE 20.0MHz





Configuration NB-IoT+WCDMA+LTE-MIMO-MC-2-BE, (1SA QPSK +2WCDMA 16QAM +1LTE QPSK)

Band Edge Frequency	Channel Bandwidth	RBW (KHz)	Limit (dBm)
Channel Position B 2110.0MHz	(NB) 250KHz, (W) 5.0MHz (L) 5.0MHz	3.3	-19.02
	(NB) 250KHz, (W) 5.0MHz (L) 10.0MHz	3.3	-19.02
	(NB) 250KHz, (W) 5.0MHz (L) 15.0MHz	3.3	-19.02
	(NB) 250KHz, (W) 5.0MHz (L) 20.0MHz	3.3	-19.02

Port C, Channel Position B, LTE 5.0MHz

