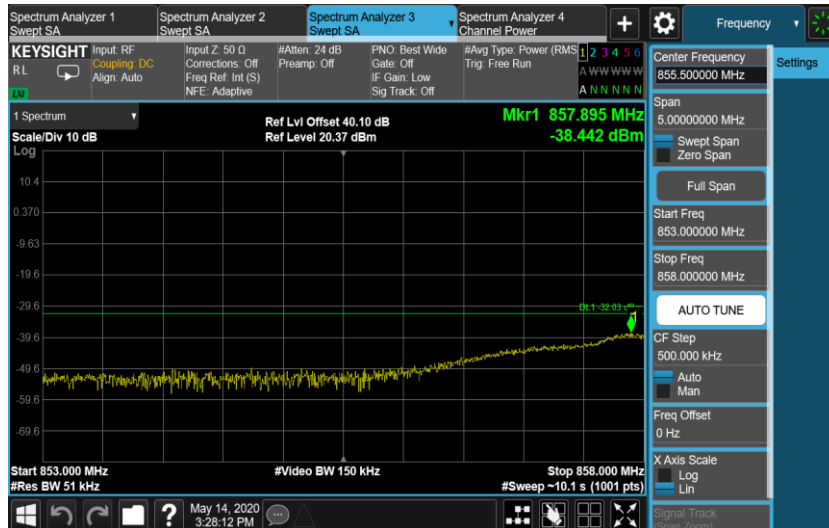
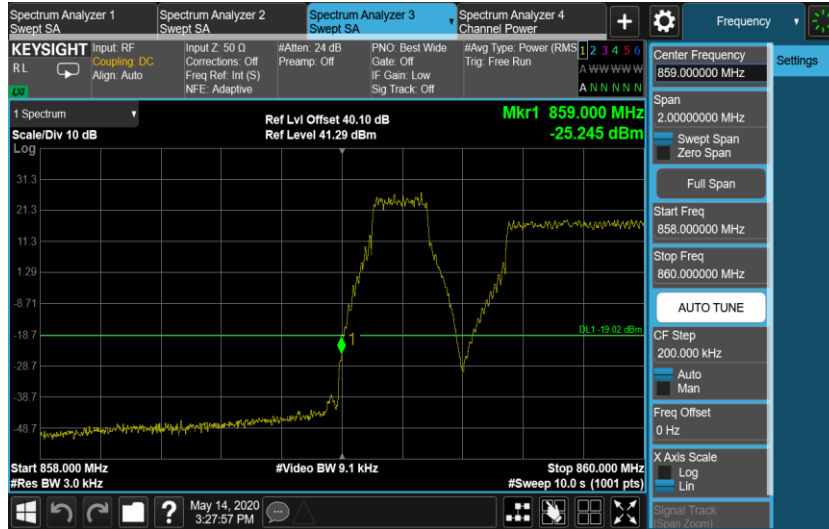
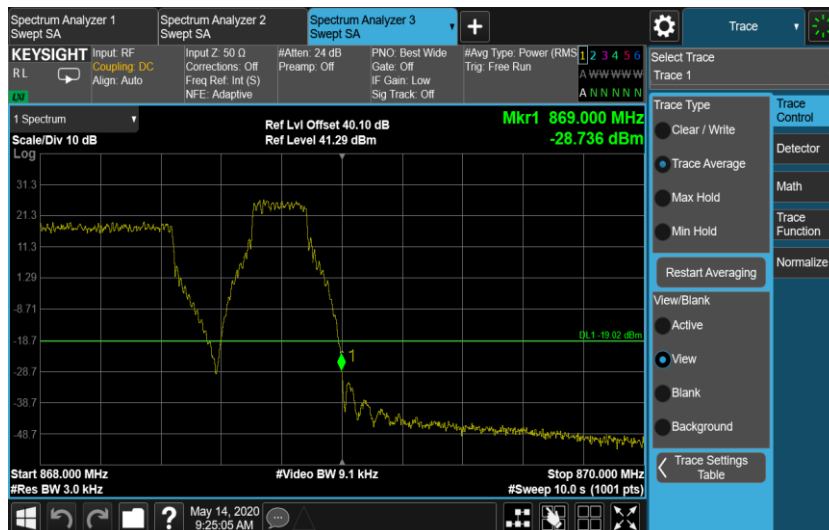
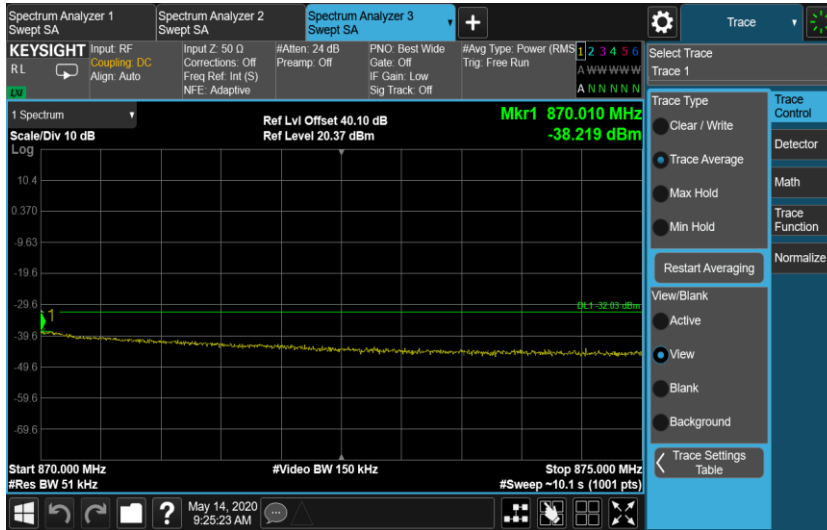


Port A , Channel Position B, LTE 1.4MHz

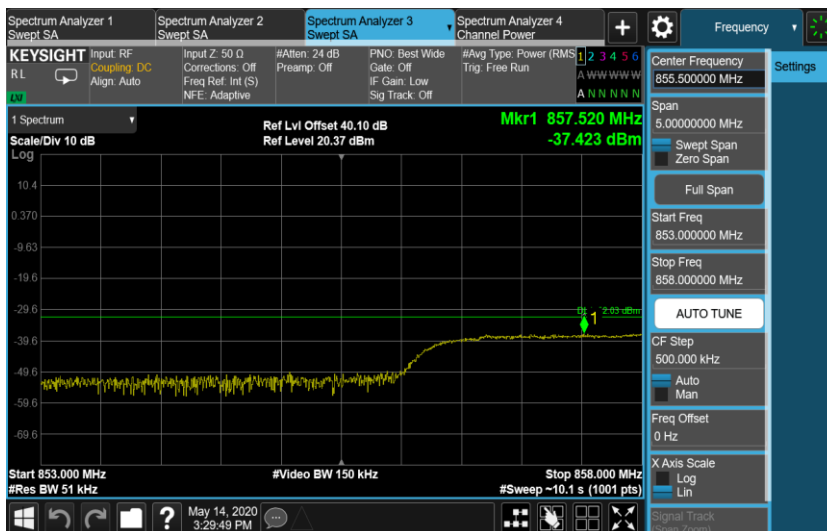
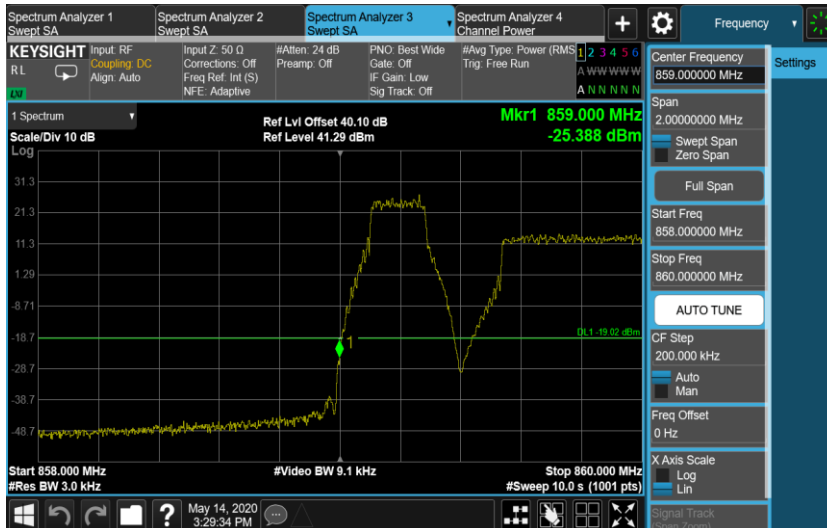


Port A , Channel Position T, LTE 1.4MHz

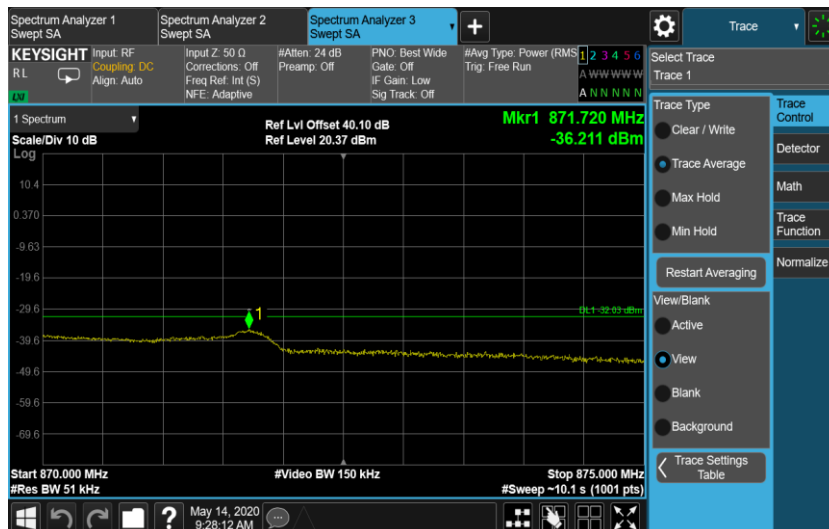
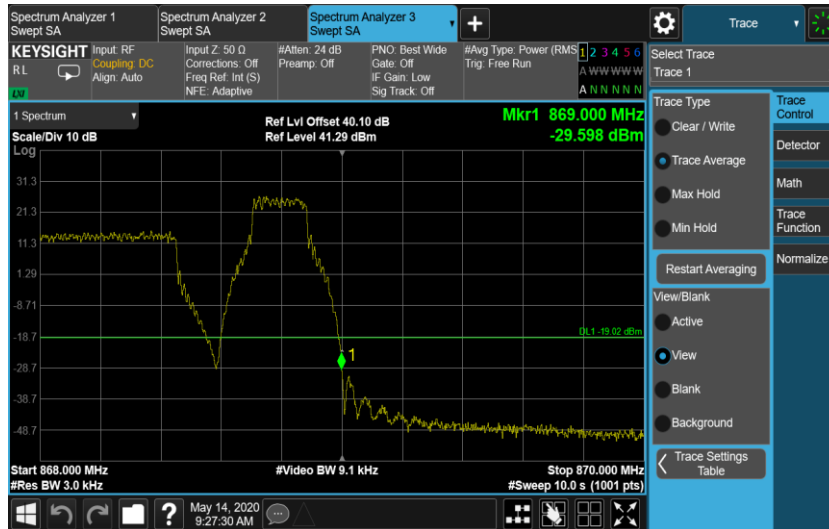




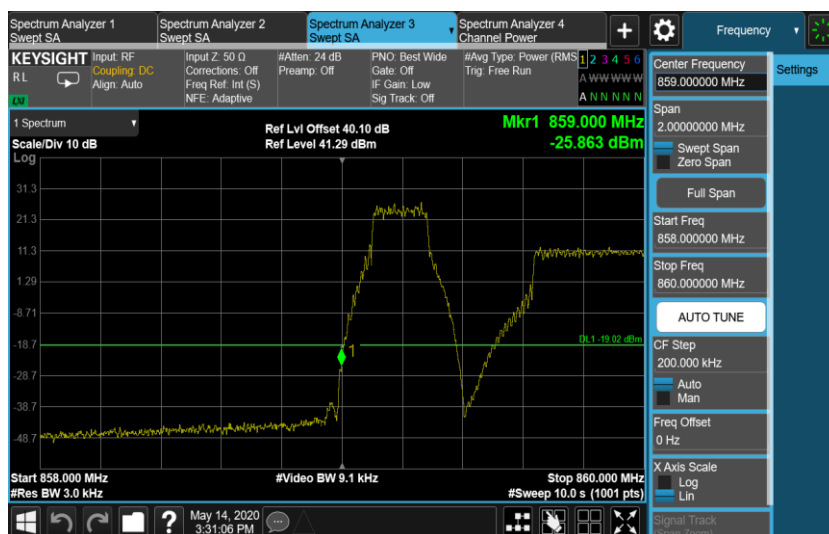
Port A , Channel Position B, LTE 3.0MHz

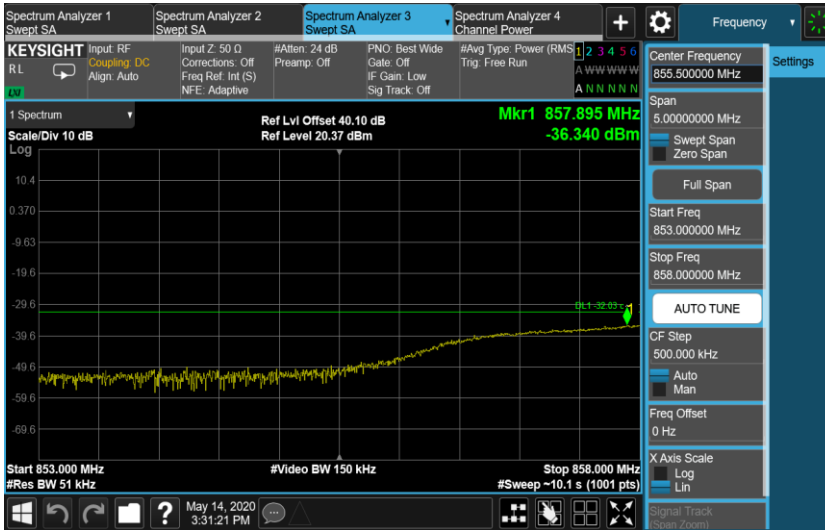


Port A , Channel Position T, LTE 3.0MHz

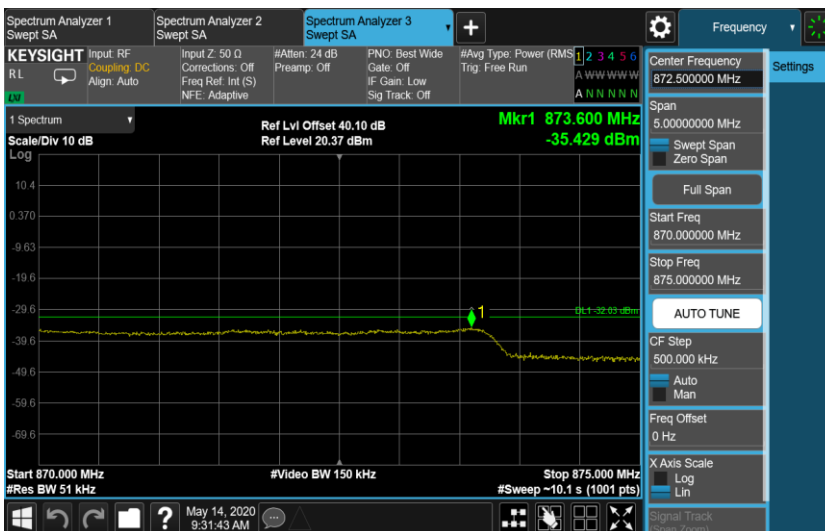
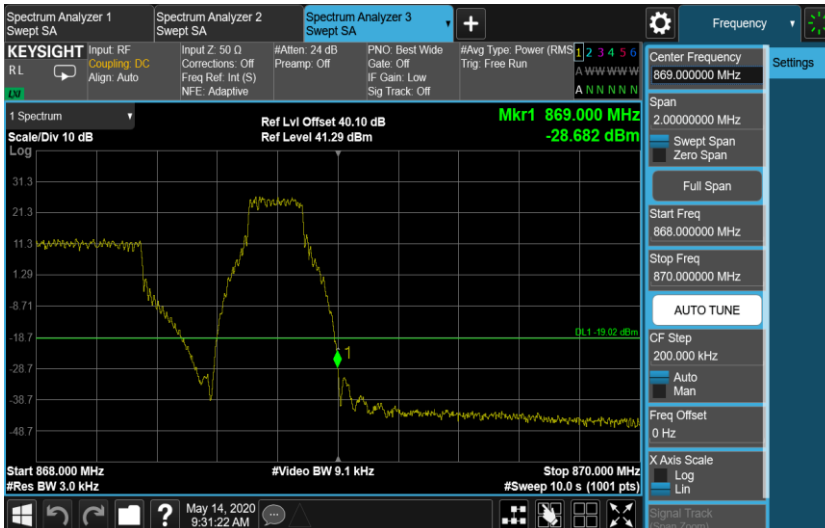


Port A , Channel Position B, LTE 5.0MHz





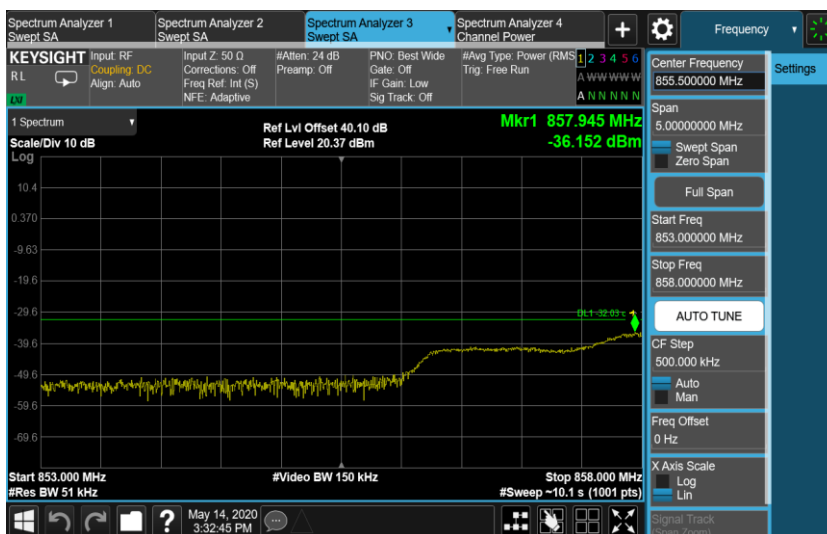
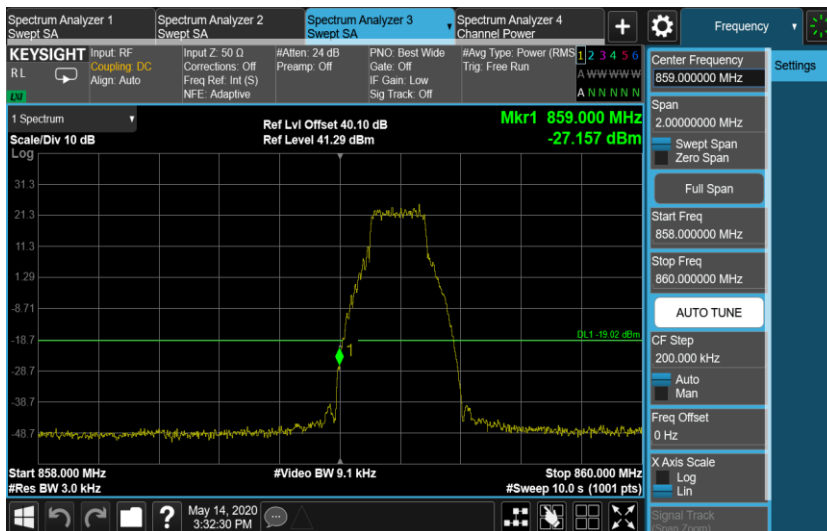
Port A , Channel Position T, LTE 5.0MHz



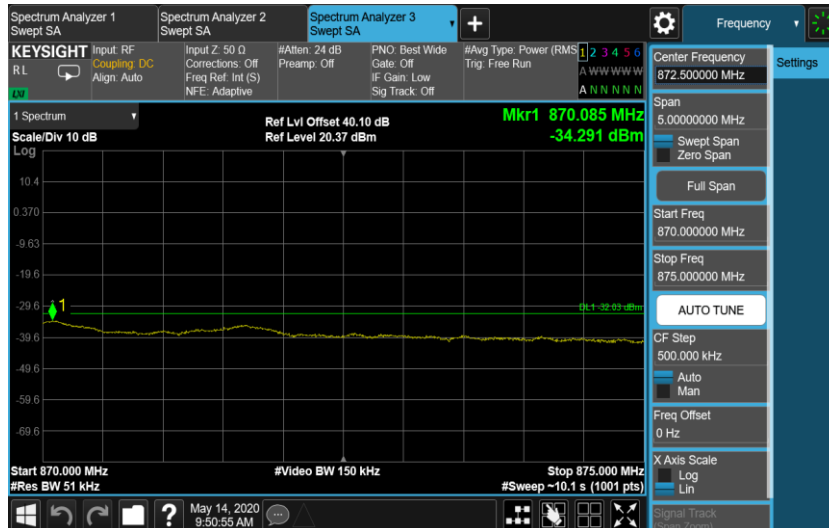
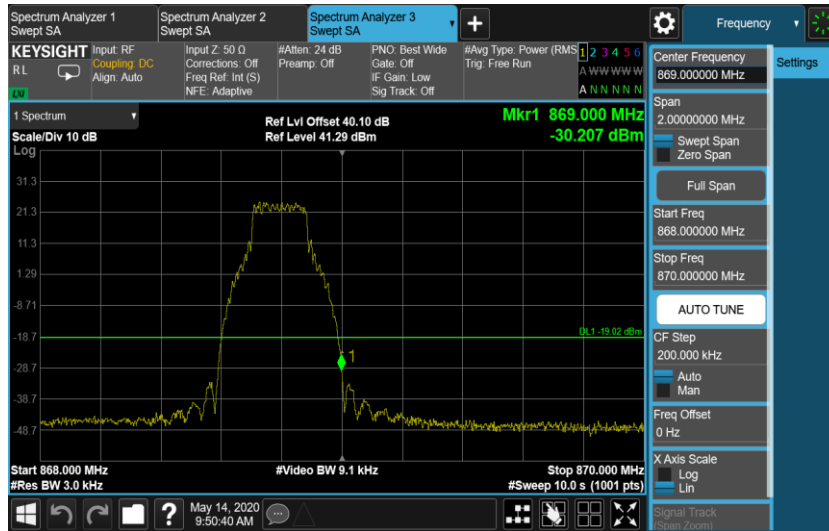
Configuration LTE+NB-IoT-MC-4-BE, (1LTE, QPSK+2SA, QPSK)

Band Edge Frequency	Channel Bandwidth	RBW (KHz)	Limit (dBm)
Channel Position B	(NB) 250KHz, (L) 1.4 MHz	3	-19.02
	(NB) 250KHz, (L) 3.0MHz	3	-19.02
	(NB) 250KHz, (L) 5.0MHz	3	-19.02
Channel Position T	(NB) 250KHz, (L) 1.4 MHz	3	-19.02
	(NB) 250KHz, (L) 3.0MHz	3	-19.02
	(NB) 250KHz, (L) 5.0MHz	3	-19.02

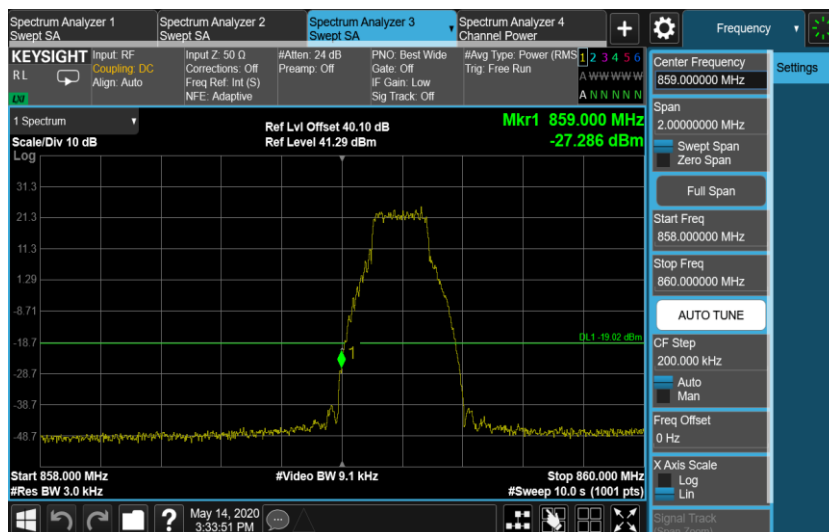
Port A , Channel Position B, LTE 1.4MHz

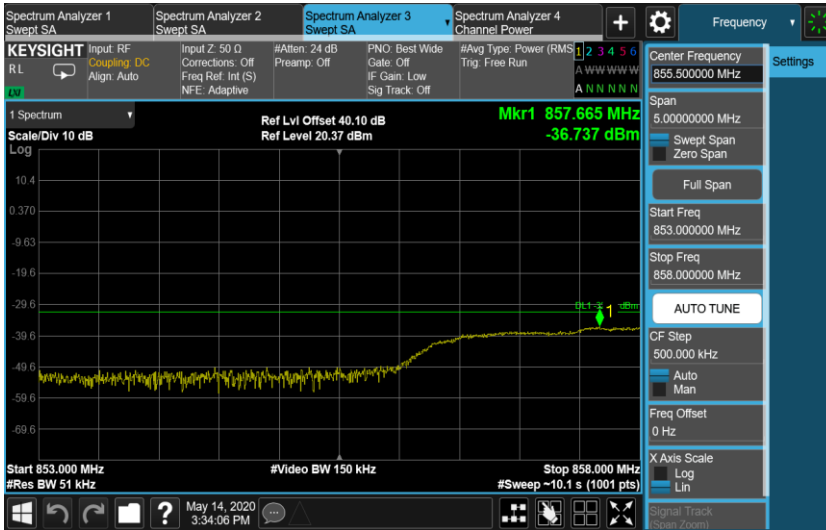


Port A , Channel Position T, LTE 1.4MHz

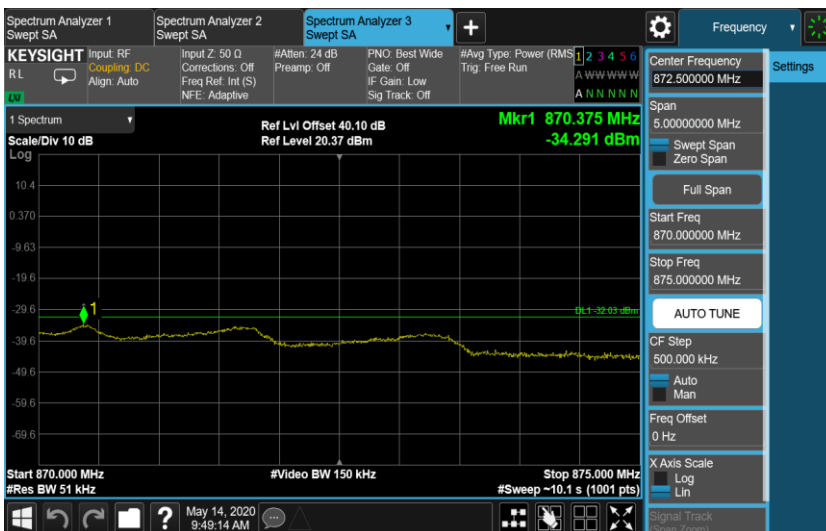
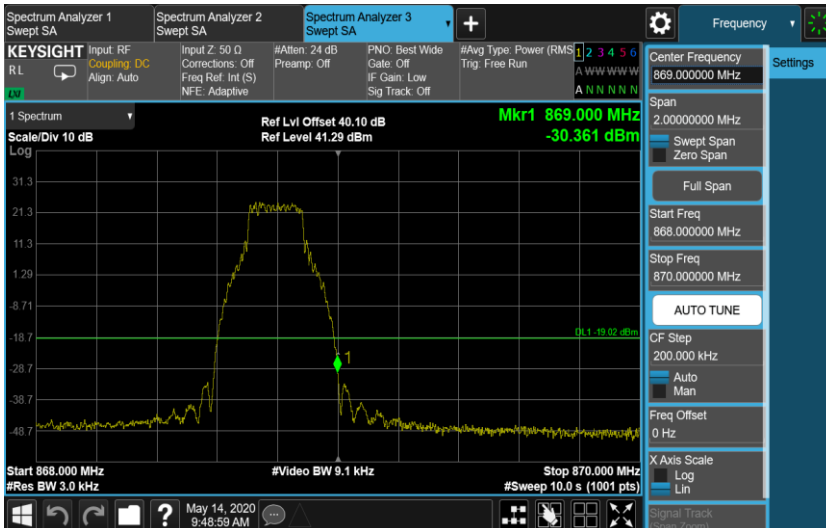


Port A , Channel Position B, LTE 3.0MHz

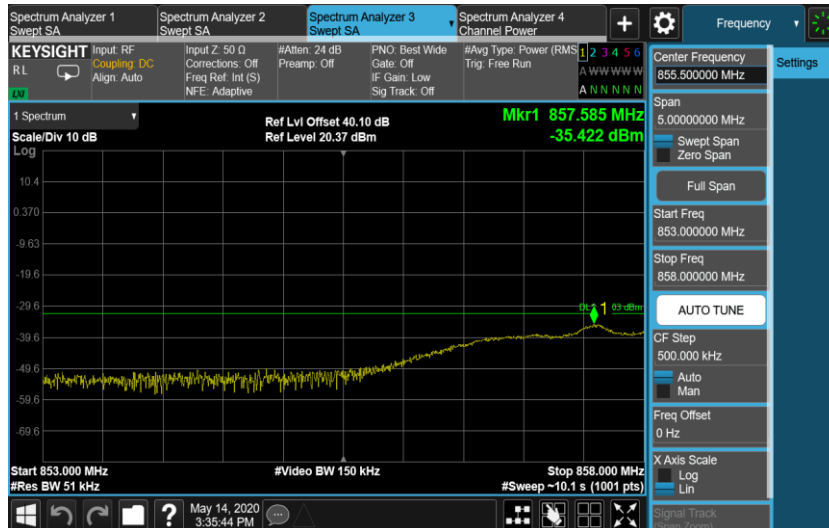
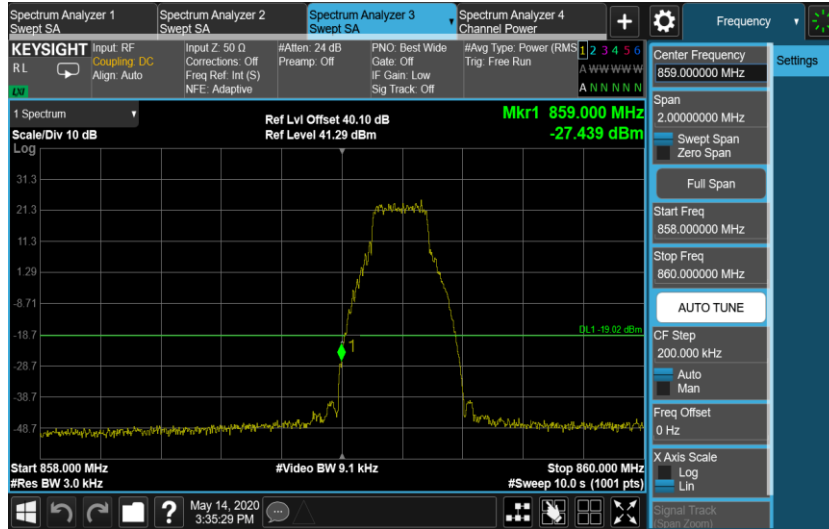




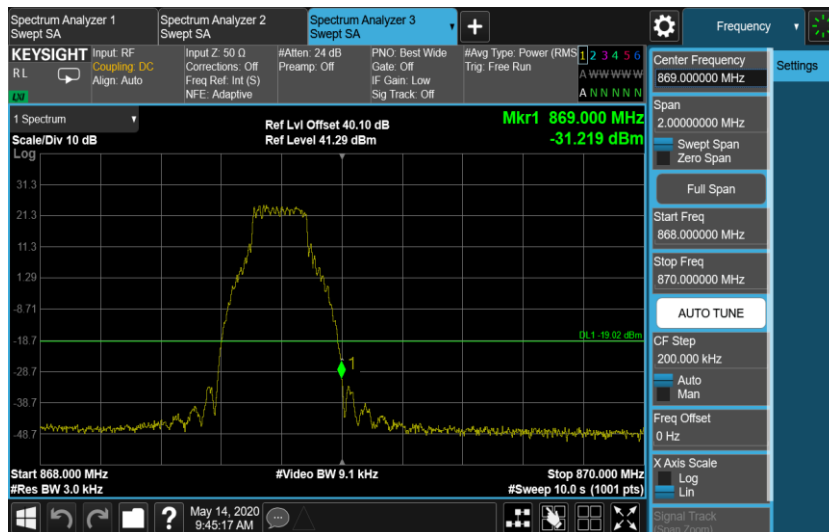
Port A, Channel Position T, LTE 3.0MHz



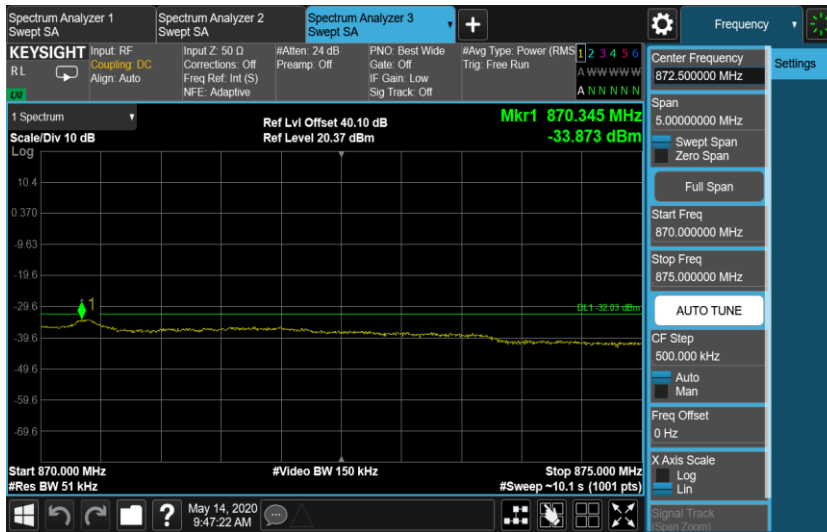
Port A , Channel Position B, LTE 5.0MHz



Port A , Channel Position T, LTE 5.0MHz







## **A.4 Conducted Spurious Emission**

### **A.4.1 Reference**

FCC CFR 47 Part 2, Clause 2.1051

FCC CFR 47 Part 90, Clause 90.210

### **A.4.2 Method of measurement**

In accordance with FCC rules, the power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least  $43 + 10 \log(P)$  dB.

The spurious emissions from the antenna terminal were measured. The transmitter output power was attenuated using an attenuator and the frequency spectrum investigated from 3KHz to 9GHz. The resolution bandwidth of 1MHz was employed for frequency band 3KHz to 9GHz. The spectrum analyzer detector was set to RMS.

For MIMO mode configurations, the limit was adjusted with a correction of -6.02dB [ $10\log(1/4)$ ] by using the Measure and Add  $10\log(N)$  dB technique according to KDB 662911 D01 Multiple Transmitter Output accounting for simultaneous transmission from antenna ports. Then the limit was adjust to -19.02dBm.

### **A.4.3 Measurement limit**

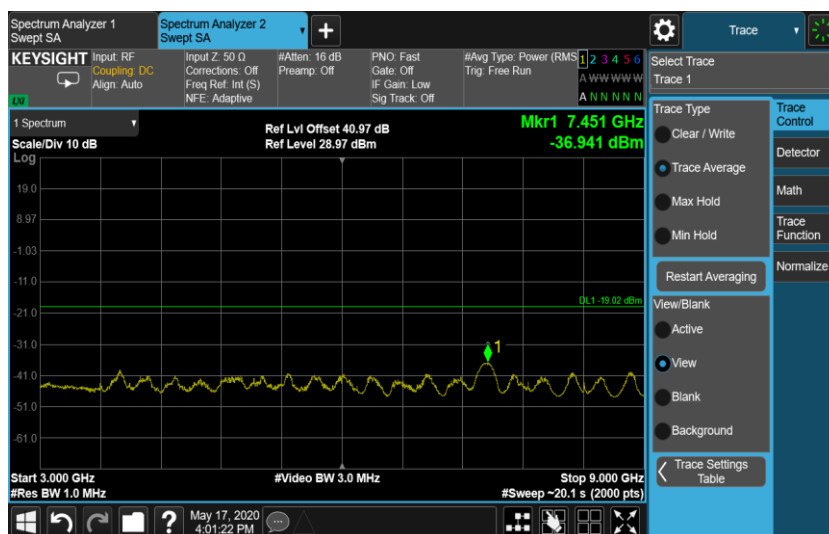
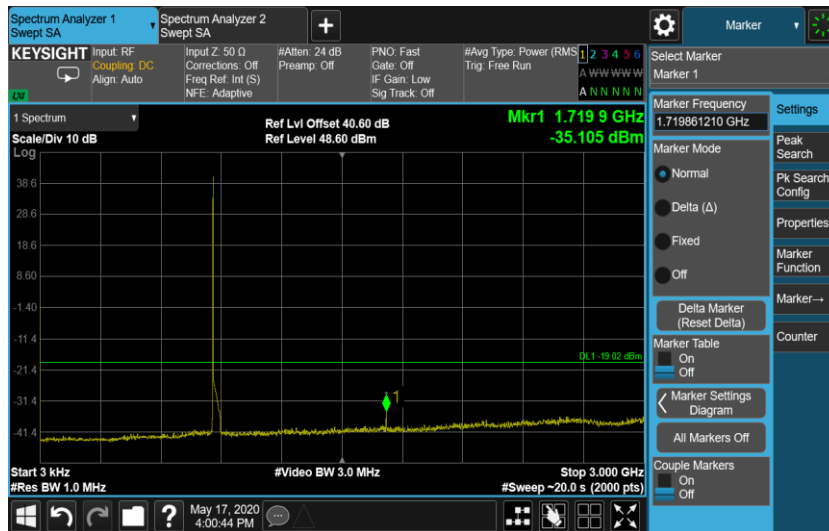
The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least  $43 + 10\log(P)$  dB.

### A.4.4 Measurement results

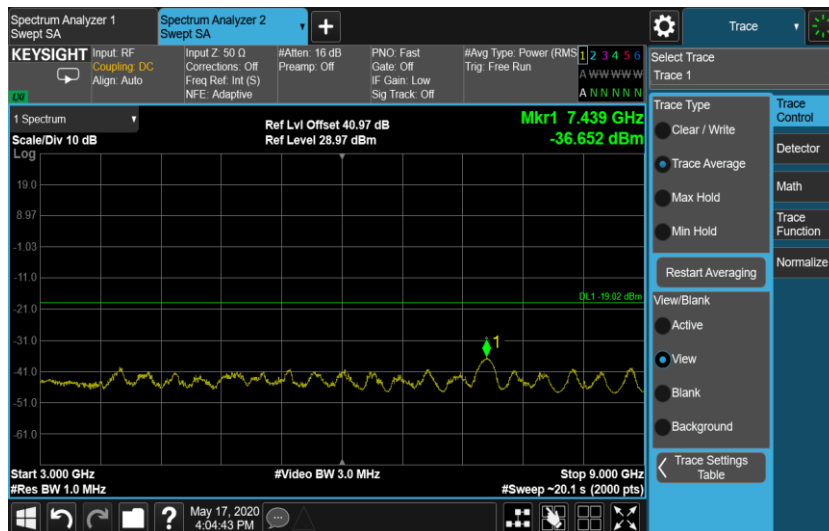
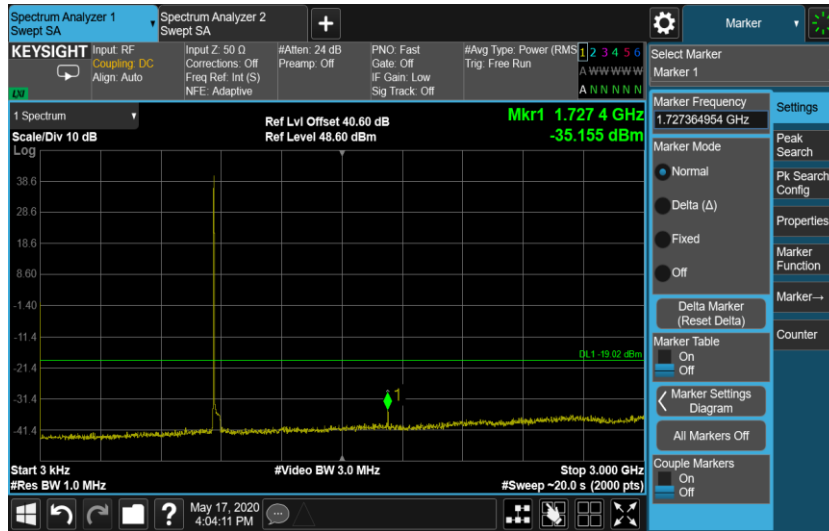
Configuration LTE-MIMO-1C QPSK

Channel Bandwidth	RBW (MHz)	Limit (dBm)
1.4 MHz	1.0	-19.02
3.0 MHz	1.0	-19.02
5.0 MHz	1.0	-19.02
10.0 MHz	1.0	-19.02

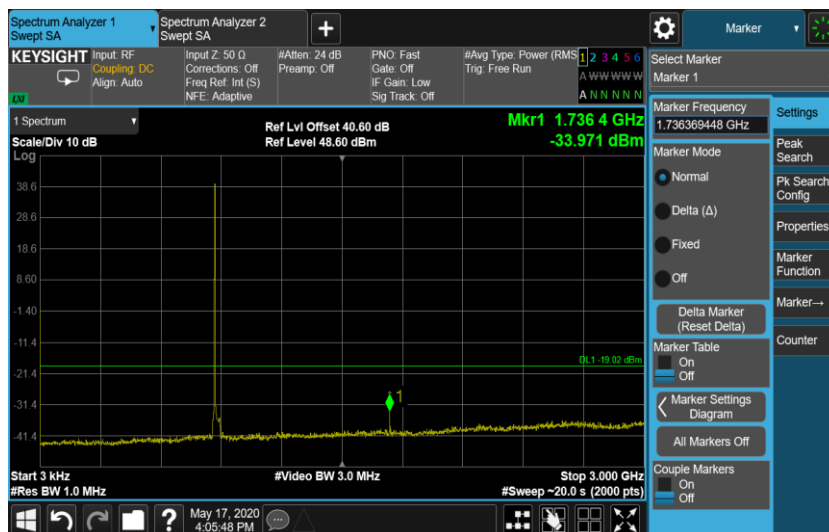
Port A, Channel Position B 1.4 MHz

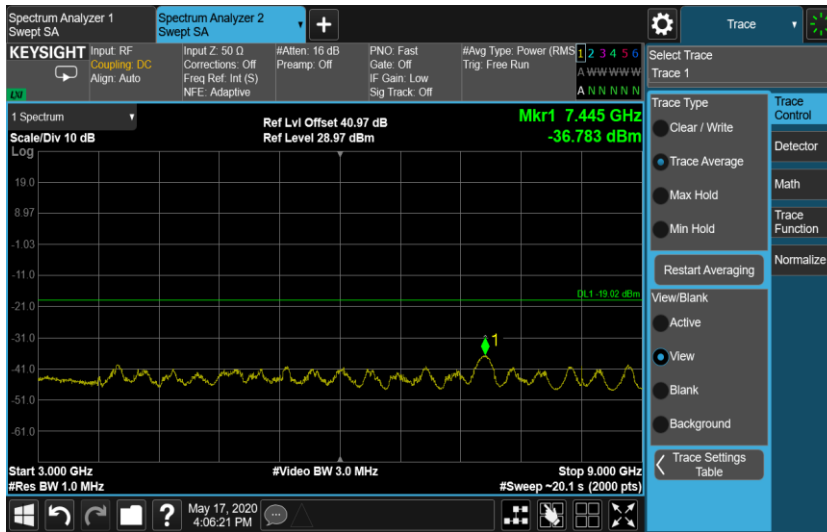


Port A, Channel Position M 1.4 MHz

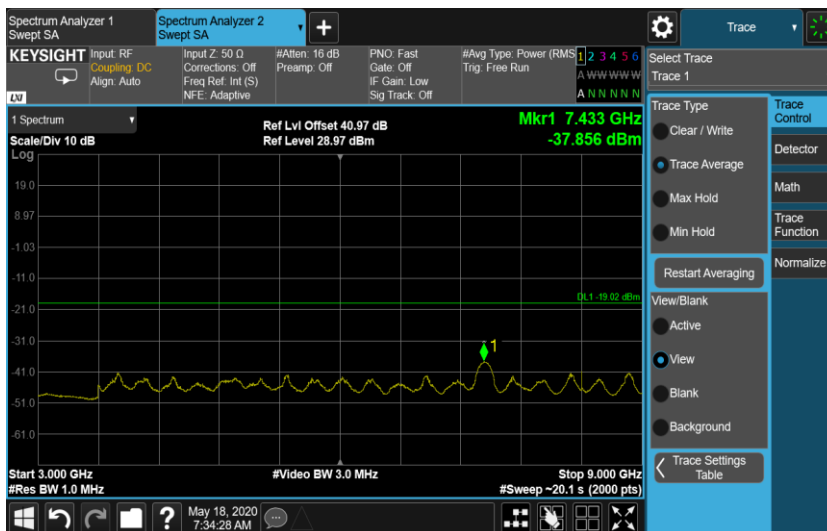


Port A, Channel Position T 1.4 MHz

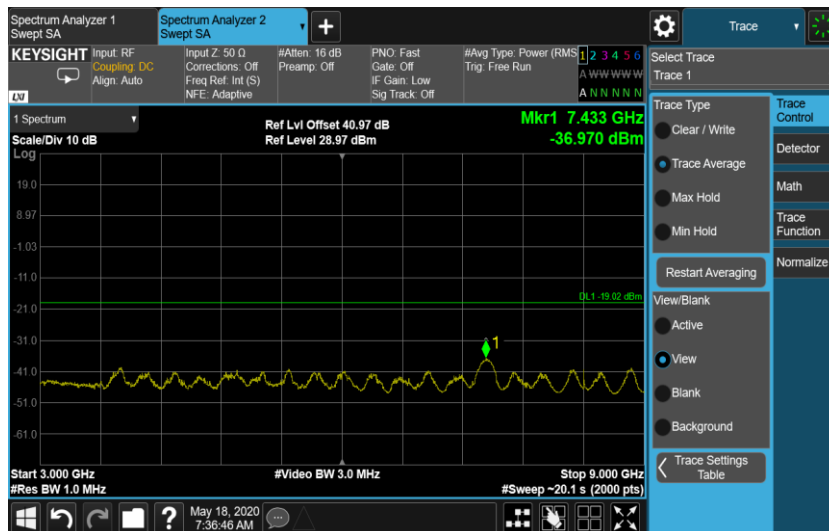
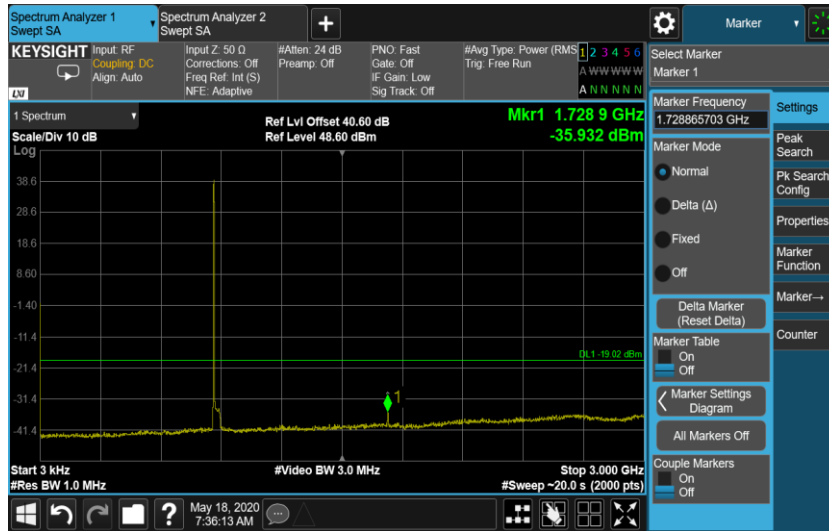




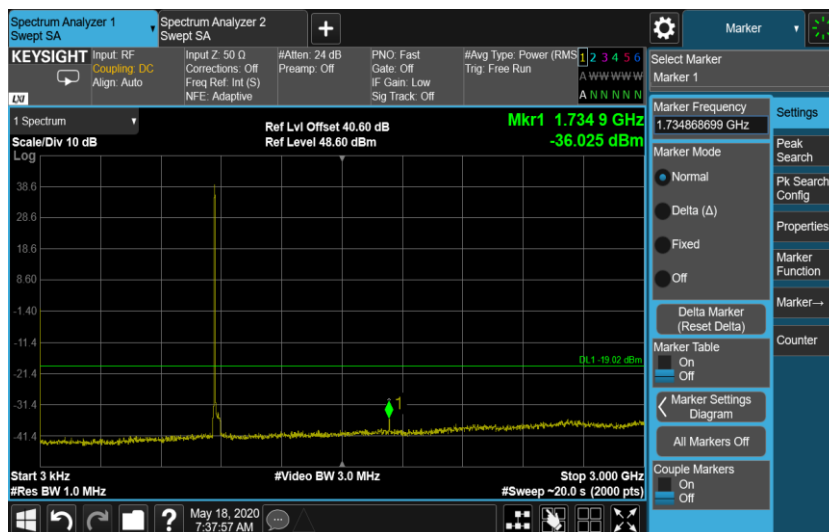
Port A, Channel Position B 3.0 MHz

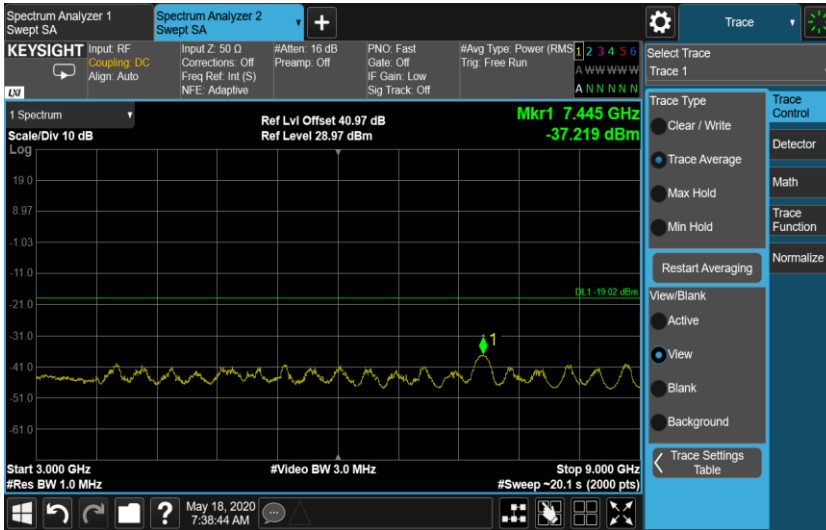


Port A, Channel Position M 3.0 MHz

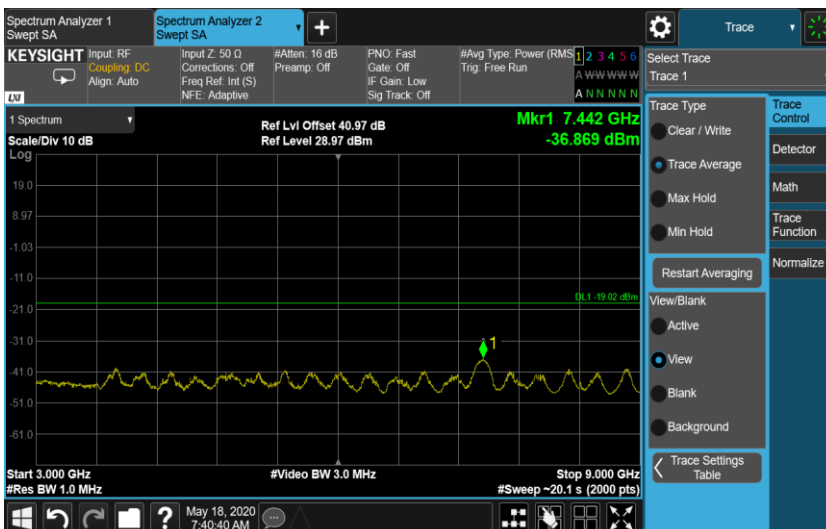
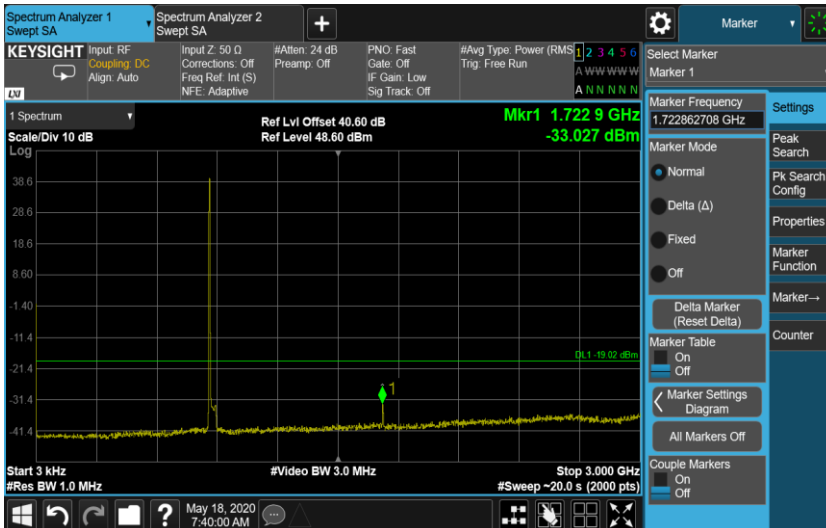


Port A, Channel Position T 3.0 MHz

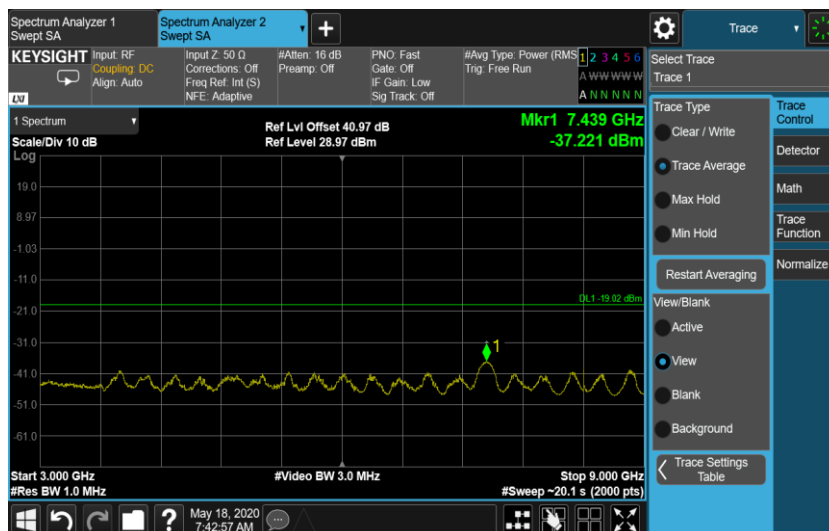
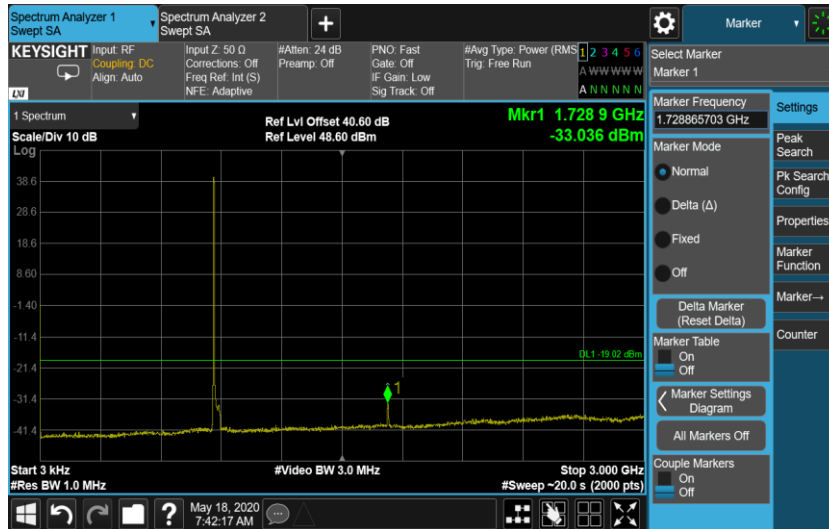




Port A, Channel Position B 5.0 MHz



Port A, Channel Position M 5.0 MHz



Port A, Channel Position T 5.0 MHz

