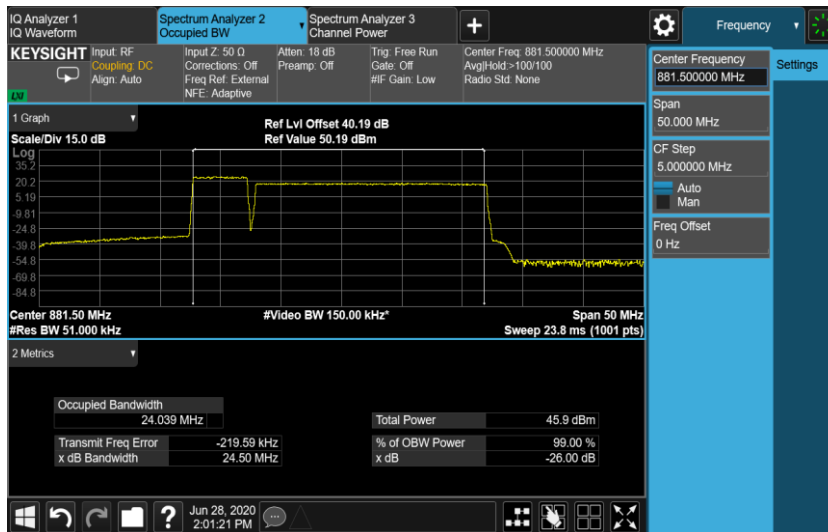
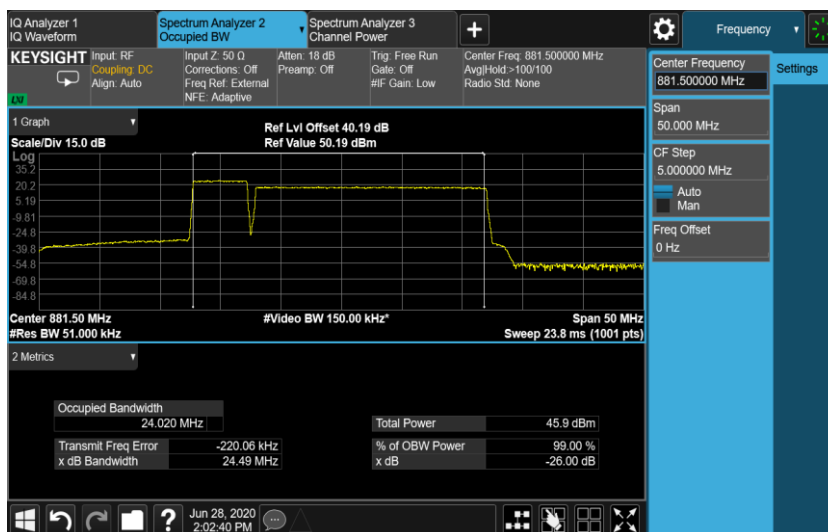


Port A, 64QAM5.0MHz /64QAM20.0MHz Channel Position M



Port A, 256QAM5.0MHz /256QAM20.0MHz Channel Position M



Configuration NR-CA-3C

-26dBc Occupied Bandwidth

Modulation/ Bandwidth	Occupied Bandwidth (MHz)		
	Channel position B	Channel position M	Channel position T
QPSK5.0MHz / QPSK10.0MHz/ QPSK10.0MHz	-	24.65	-
QPSK5.0MHz / QPSK20.0MHz/ QPSK10.0MHz	-	34.69	-

-26dBc Occupied Bandwidth

Bandwidth	Occupied Bandwidth (MHz)		
	Modulation 16QAM/ Channel position M	Modulation 64QAM/ Channel position M	Modulation 256QAM/ Channel position M
5.0MHz/ 10.0MHz/ 10.0MHz	24.62	24.65	24.64
5.0MHz/ 20.0MHz/ 10.0MHz	34.62	34.69	34.68

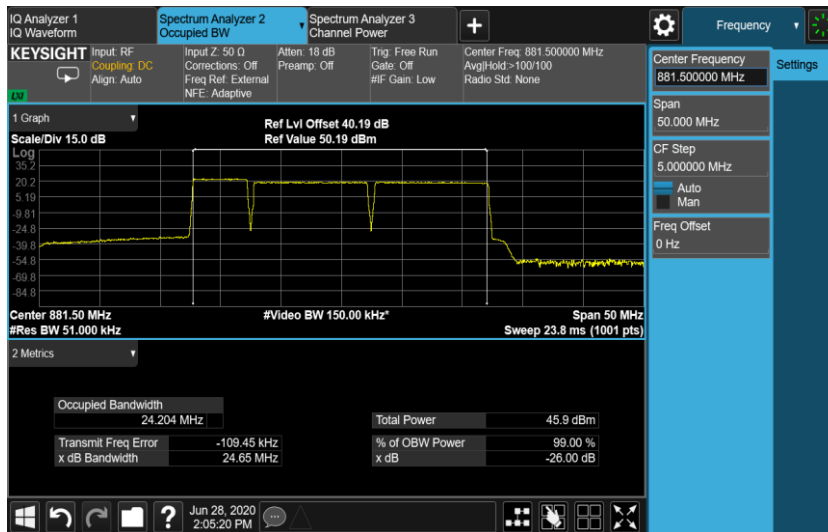
99% Occupied Bandwidth

Modulation/ Bandwidth	Occupied Bandwidth (MHz)		
	Channel position B	Channel position M	Channel position T
QPSK5.0MHz / QPSK10.0MHz/ QPSK10.0MHz	-	24.204	-
QPSK5.0MHz / QPSK20.0MHz/ QPSK10.0MHz	-	34.203	-

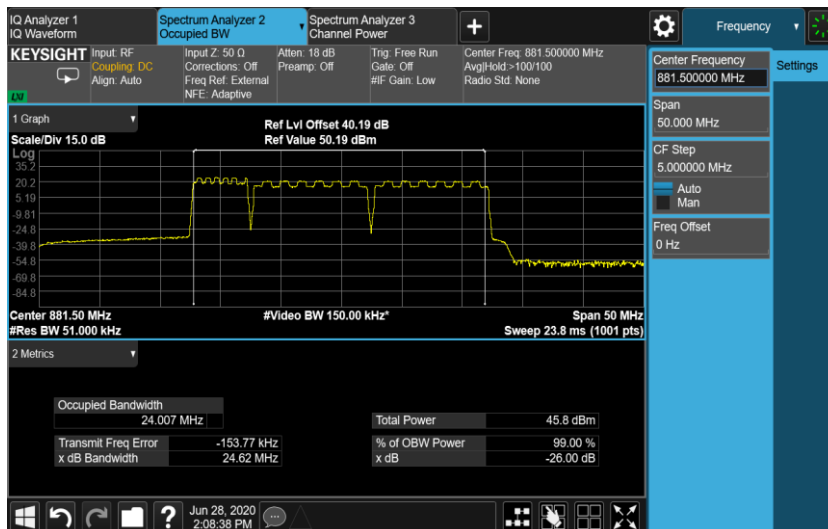
99% Occupied Bandwidth

Bandwidth	Occupied Bandwidth (MHz)		
	Modulation 16QAM/ Channel position M	Modulation 64QAM/ Channel position M	Modulation 256QAM/ Channel position M
5.0MHz/ 10.0MHz/ 10.0MHz	24.007	24.198	24.205
5.0MHz/ 20.0MHz/ 10.0MHz	33.999	34.191	34.199

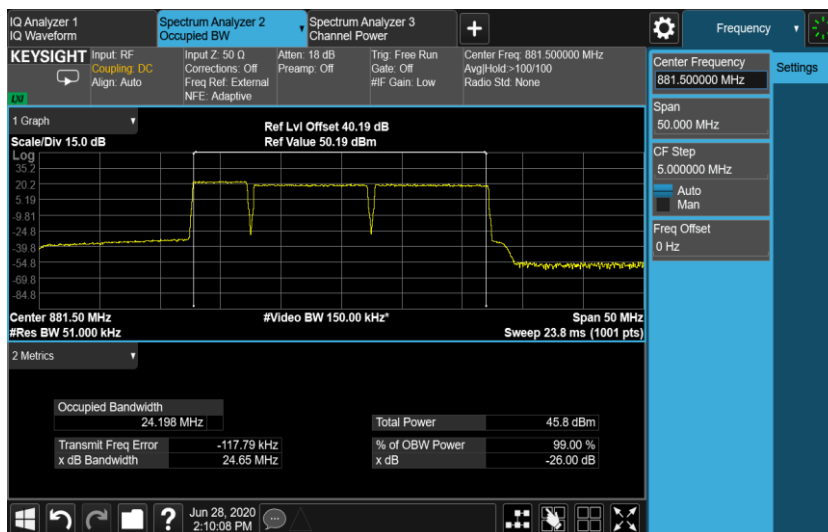
Port A, QPSK5.0MHz /QPSK10.0MHz /QPSK10.0MHz Channel Position M



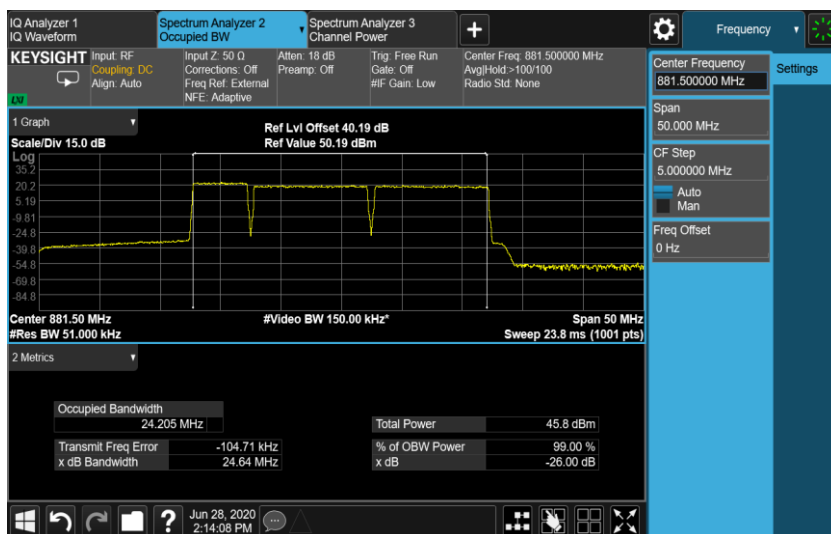
Port A, 16QAM5.0MHz /16QAM10.0MHz/16QAM10.0MHz Channel Position M



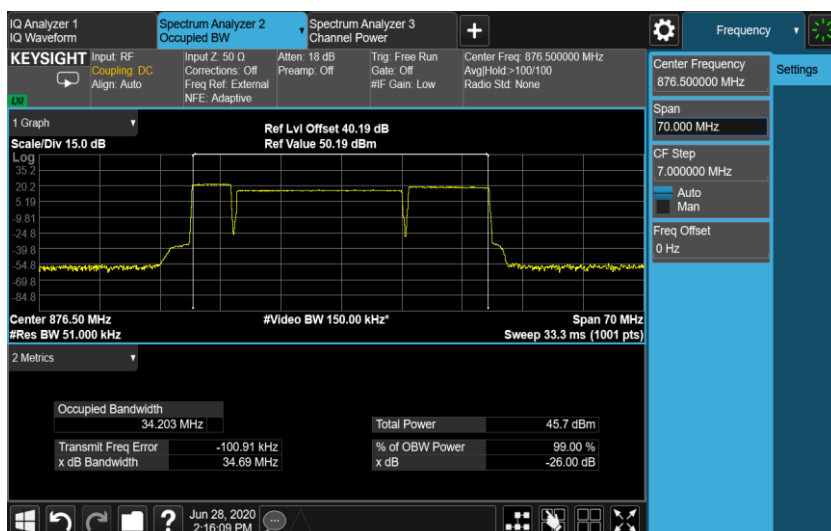
Port A, 64QAM5.0MHz /64QAM10.0MHz/64QAM10.0MHz Channel Position M



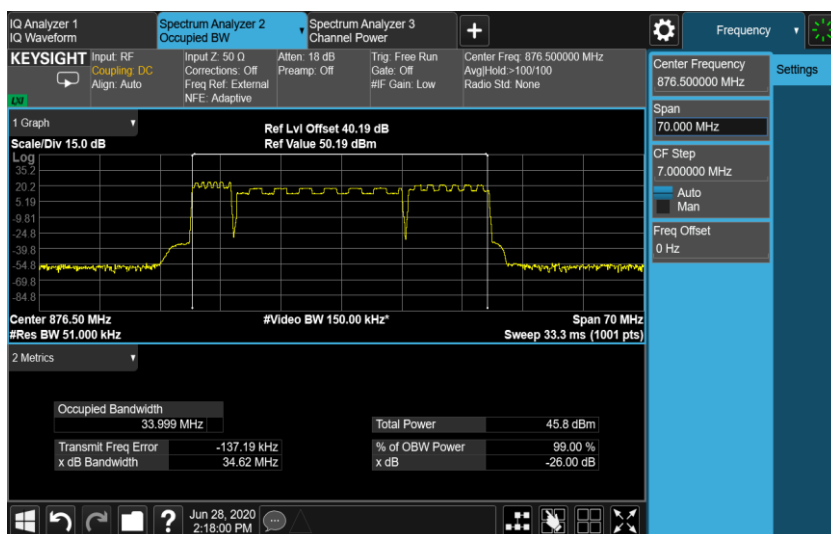
Port A, 256QAM5.0MHz /256QAM10.0MHz /256QAM10.0MHz Channel Position M



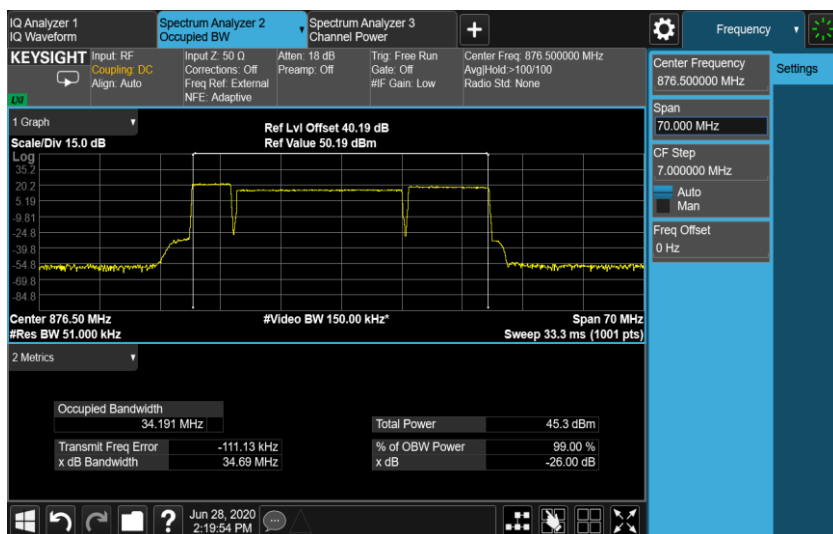
Port A, QPSK5.0MHz /QPSK20.0MHz/QPSK10.0MHz Channel Position M



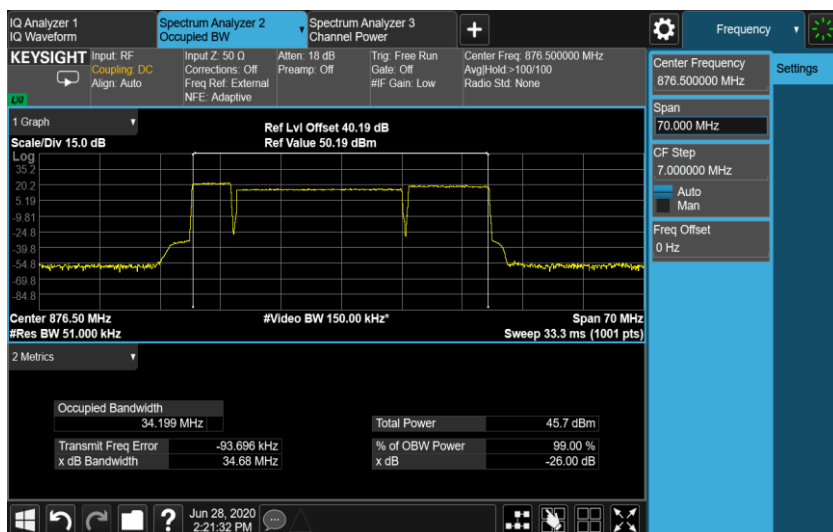
Port A, 16QAM5.0MHz /16QAM20.0MHz/16QAM10.0MHz Channel Position M



Port A, 64QAM5.0MHz /64QAM20.0MHz/64QAM10.0MHz Channel Position M



Port A, 256QAM5.0MHz /256QAM20.0MHz/256QAM10.0MHz Channel Position M



A.3 Spurious Emissions at Band Edge

A.3.1 Reference

FCC CFR 47 Part 2, Clause 2.1051

FCC CFR 47 Part 22, Clause 22.917

RSS-132, Clause 5.5

A.3.2 Method of measurement

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.

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 adjusted to -19.02dBm.

In the 1 MHz bands immediately outside and adjacent to the frequency block, a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed and a RBW of 1MHz for measurements of emissions > 1MHz away from the band edges.

The limit was adjusted with -13.01dB [$10\log(50/1000)$] to compensate for the reduced measurement bandwidth 50KHz for emission more than 1MHz away from the band edges. For MIMO mode, the limit of -32.03dBm was used.

Spectrum analyzer detector was set as RMS.

A.3.3 Measurement limit

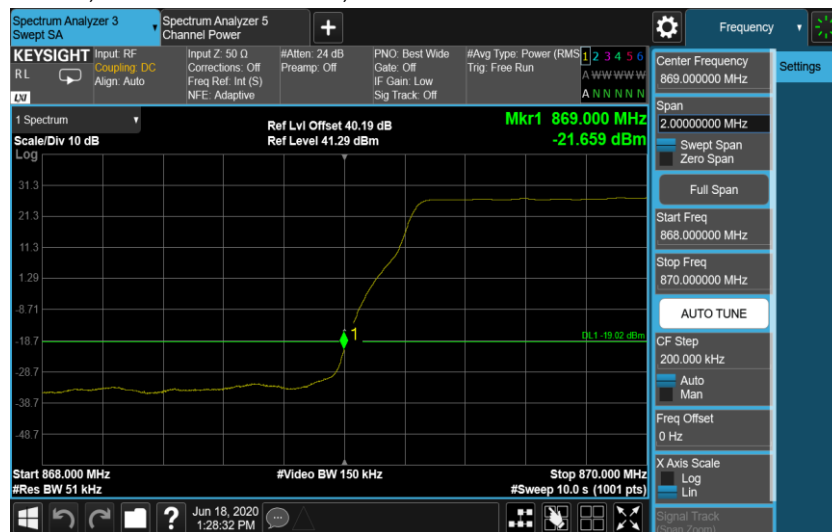
The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10\log(P)$ dB.

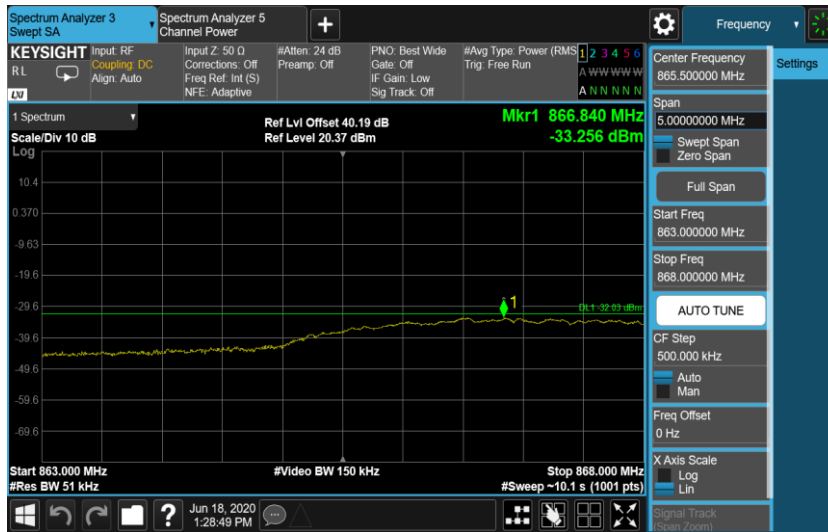
A.3.4 Measurement result

Configuration NR-MIMO-1C

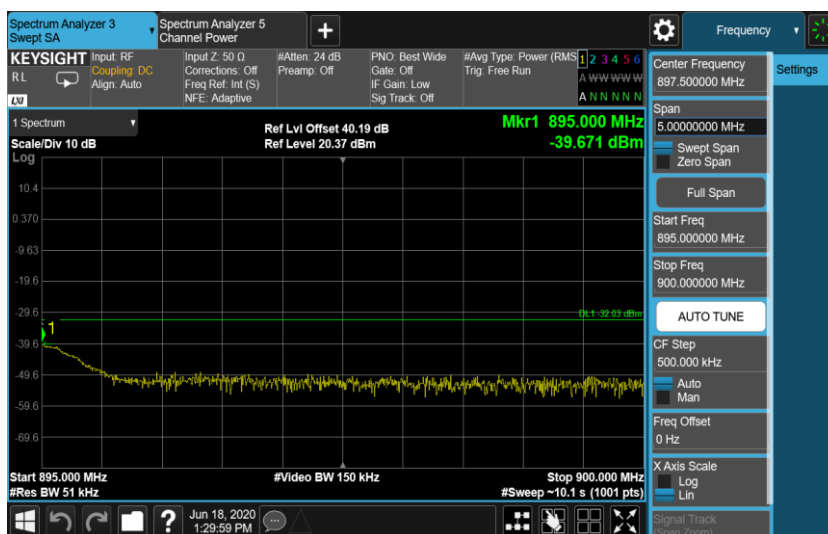
Band Edge Frequency	Channel Bandwidth	RBW(KHz)	Limit(dBm)
Channel Position B	5.0 MHz	51	-19.02
	10.0 MHz	100	-19.02
	15.0 MHz	150	-19.02
	20.0 MHz	200	-19.02
Channel Position T	5.0 MHz	51	-19.02
	10.0 MHz	100	-19.02
	15.0 MHz	150	-19.02
	20.0 MHz	200	-19.02

Port A, Channel Position B, 5.0MHz

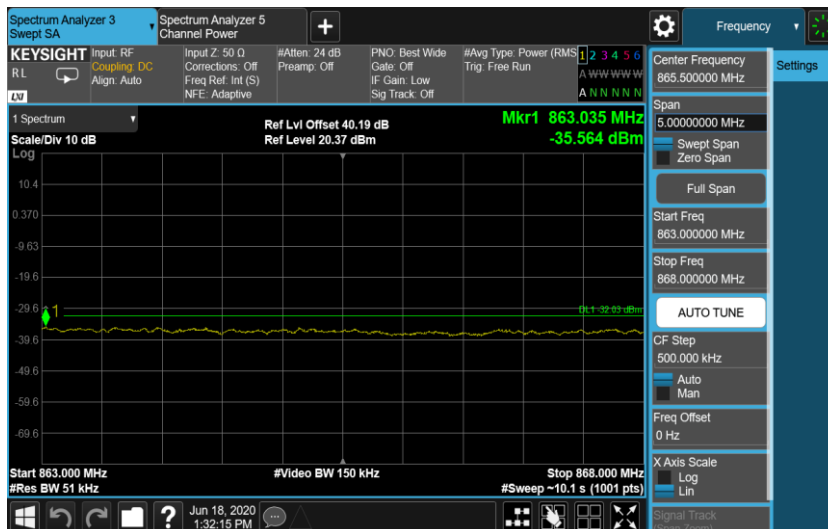
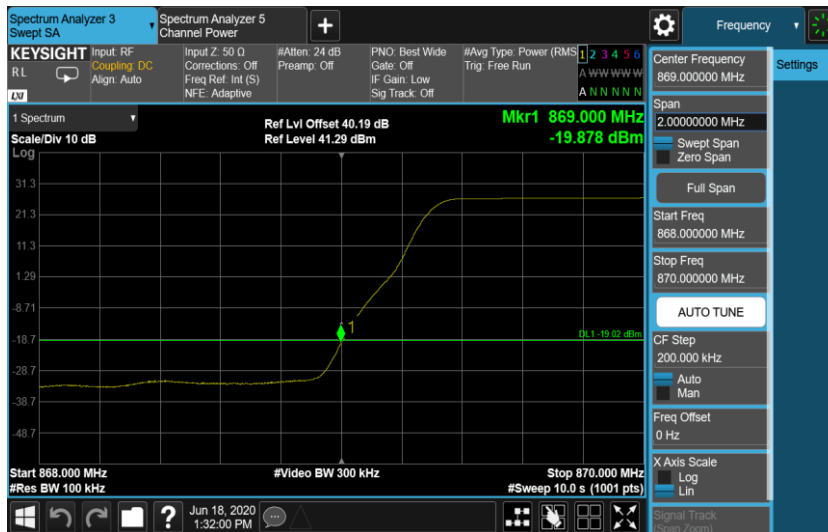




Port A, Channel Position T, 5.0MHz

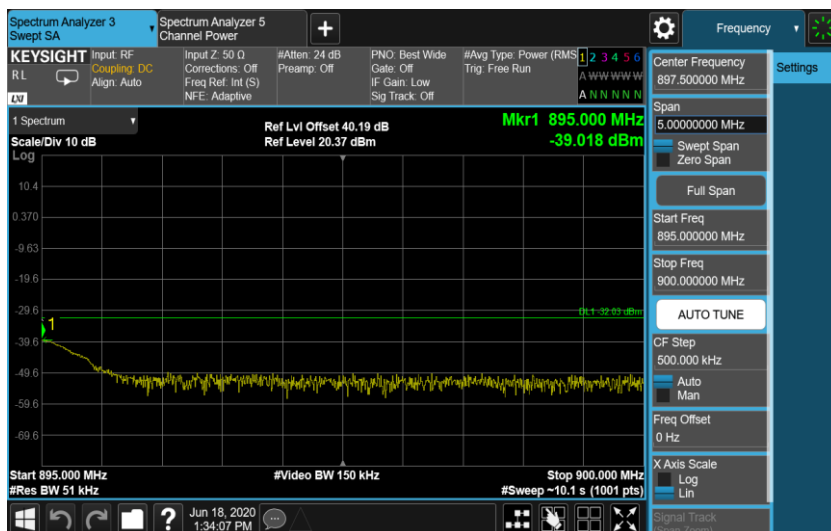


Port A, Channel Position B, 10.0MHz

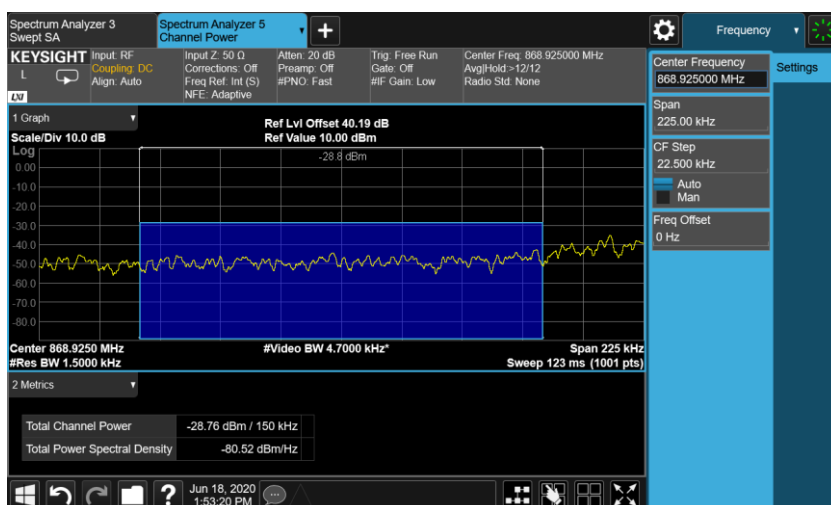
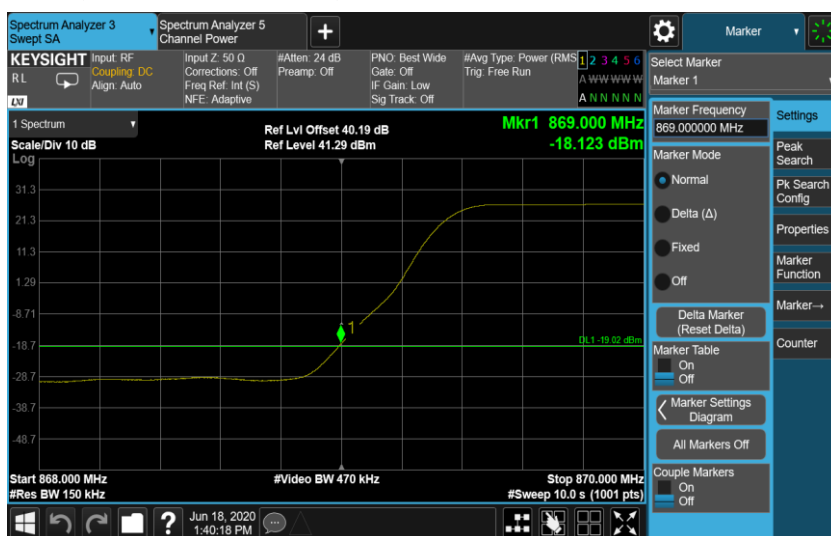


Port A, Channel Position T, 10.0MHz

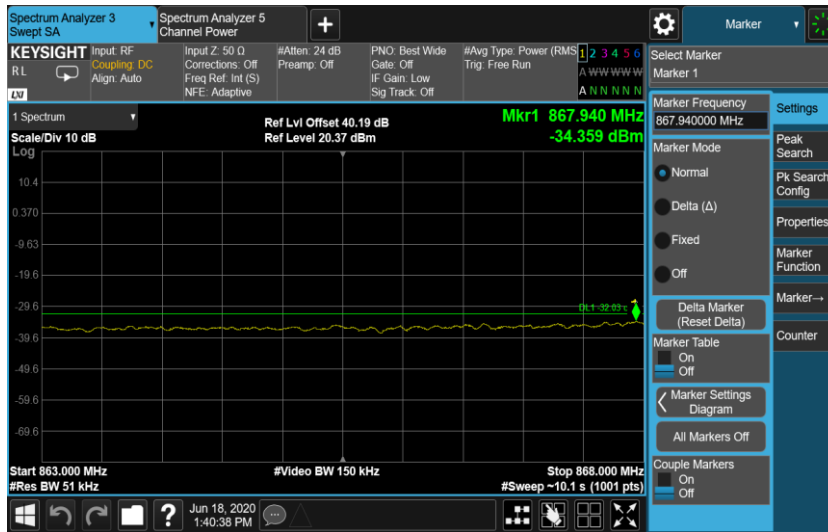




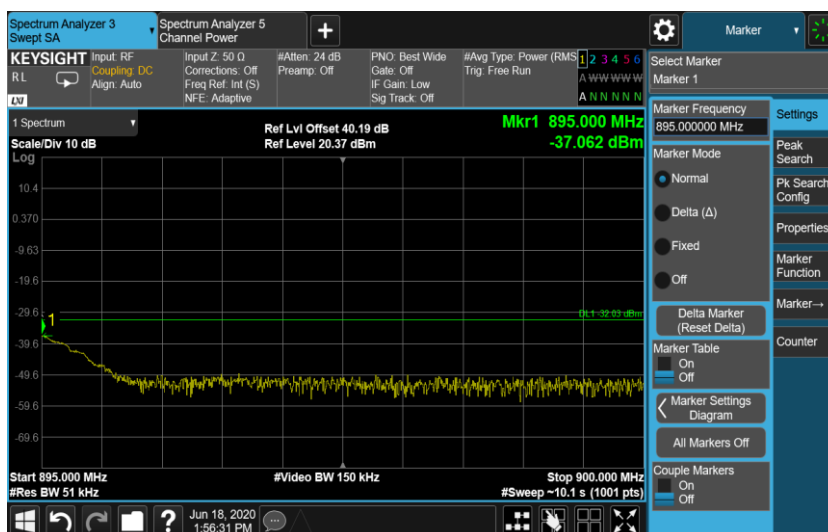
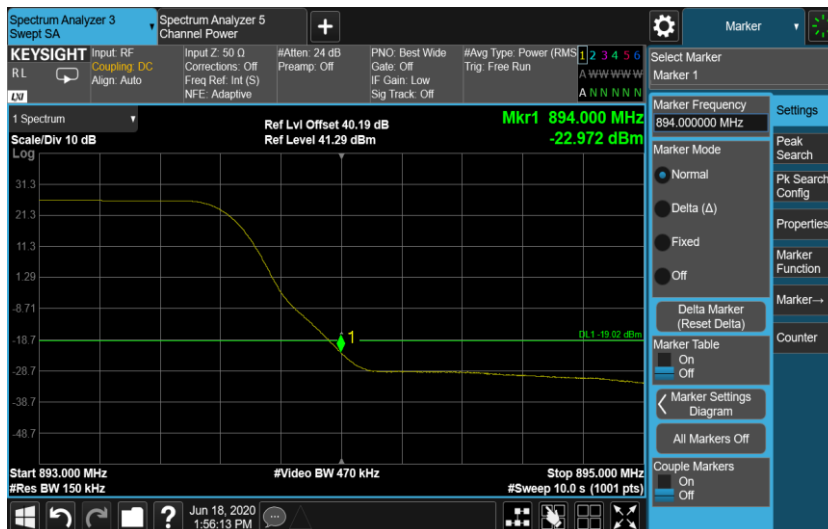
Port A, Channel Position B, 15.0MHz



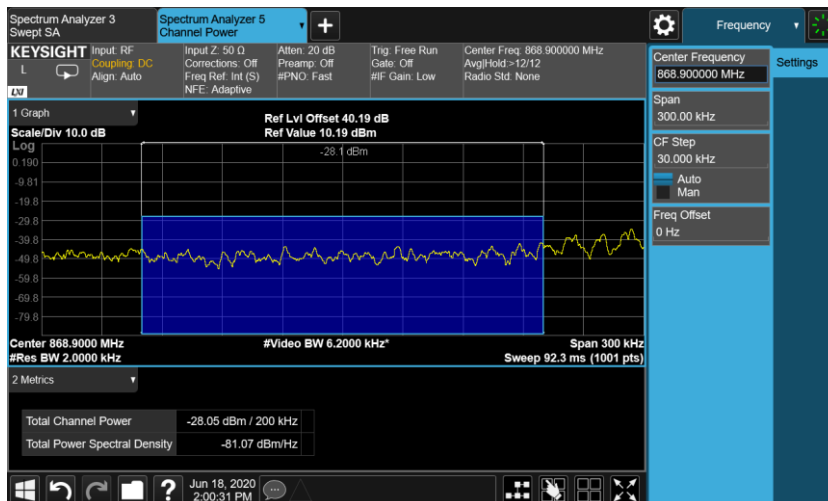
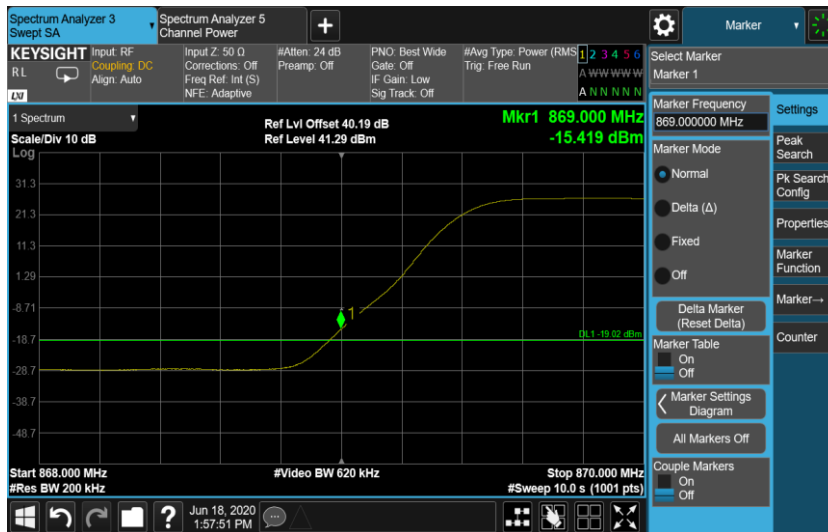
The channel power of 150KHz for 868.925MHz is -28.76dBm, which is within the limit of -19.02dBm.



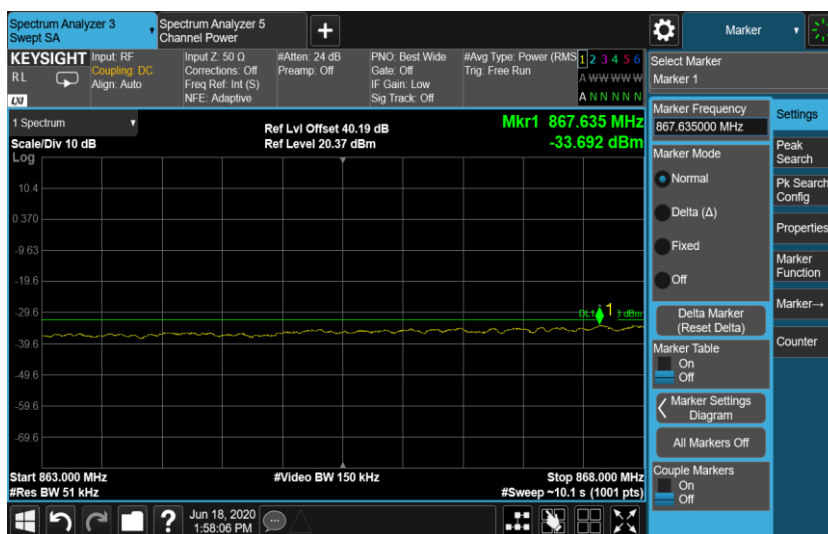
Port A, Channel Position T, 15.0MHz



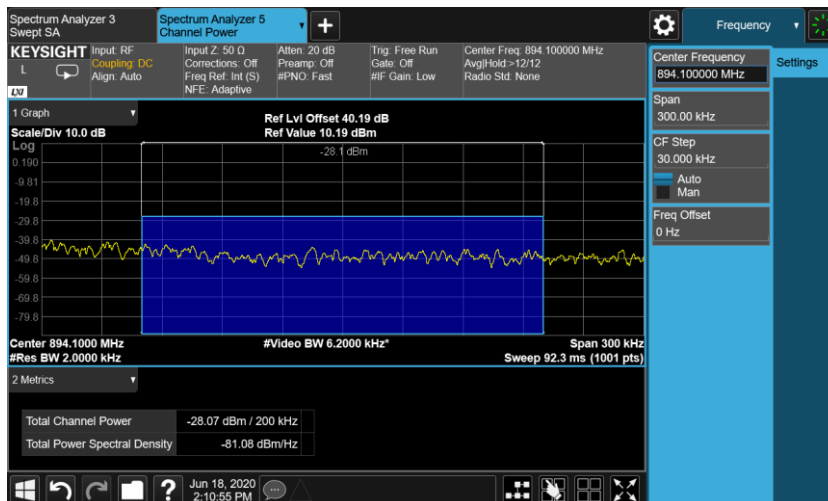
Port A, Channel Position B, 20.0MHz



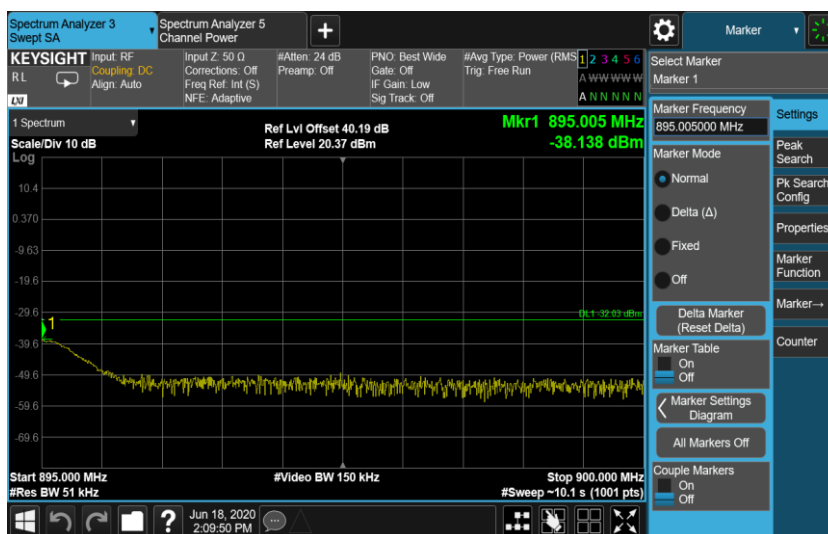
The channel power of 200KHz for 868.9MHz is -28.05dBm, which is within the limit of -19.02dBm.



Port A, Channel Position T, 20.0MHz



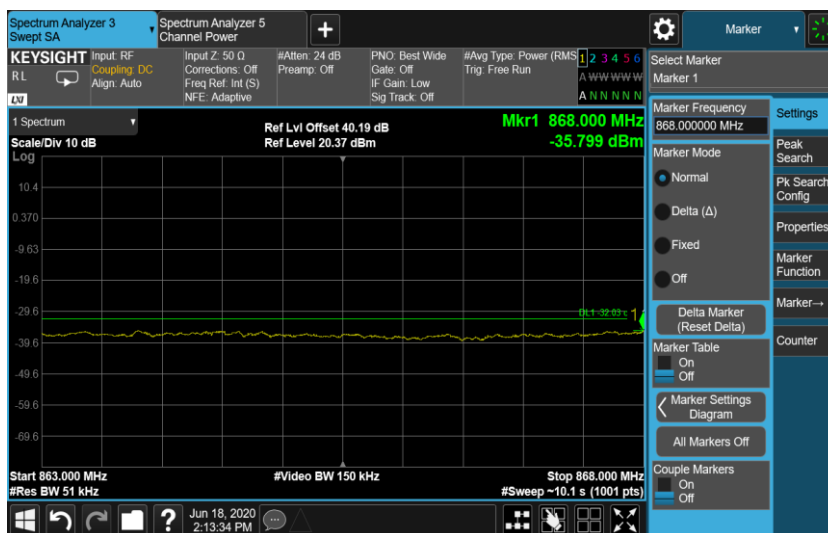
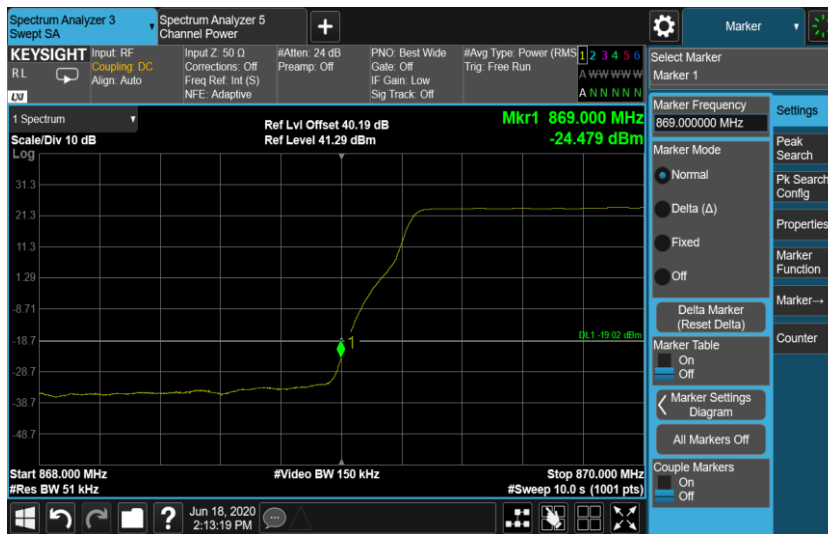
The channel power of 200KHz for 894.1MHz is -28.07dBm, which is within the limit of -19.02dBm.



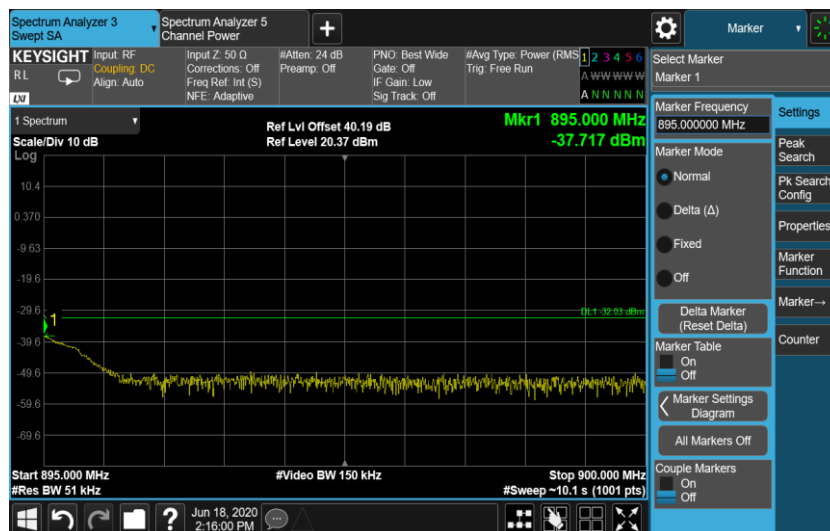
Configuration NR-MIMO-2C-BE

Band Edge Frequency	Channel Bandwidth	RBW(KHz)	Limit(dBm)
Channel Position B	5.0 MHz	51	-19.02
	10.0 MHz	100	-19.02
Channel Position T	5.0 MHz	51	-19.02
	10.0 MHz	100	-19.02

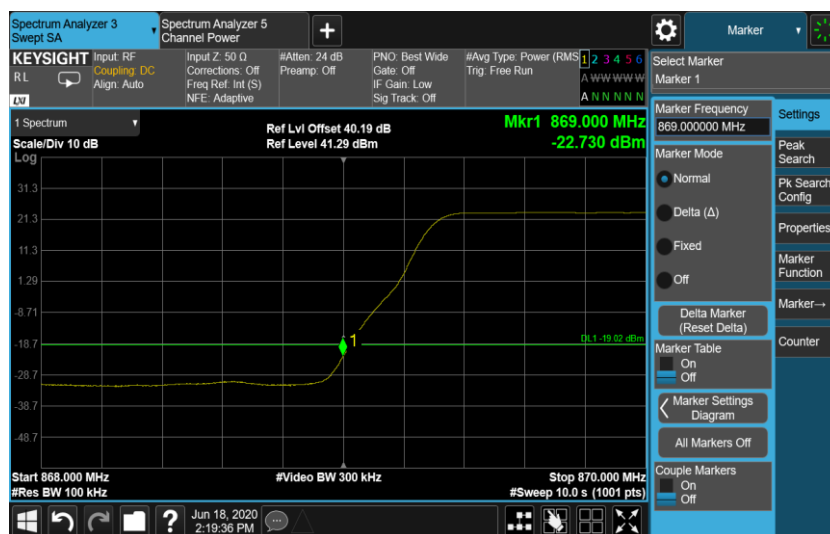
Port A, Channel Position B, 5.0MHz

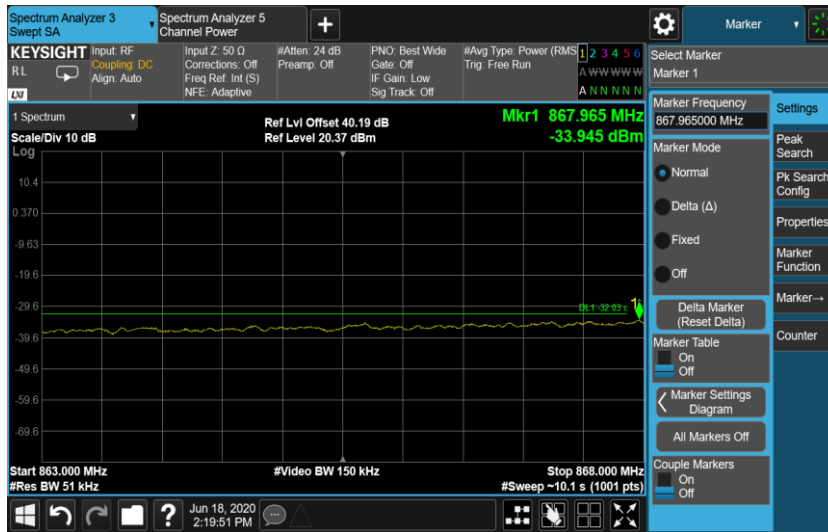


Port A, Channel Position T, 5.0MHz

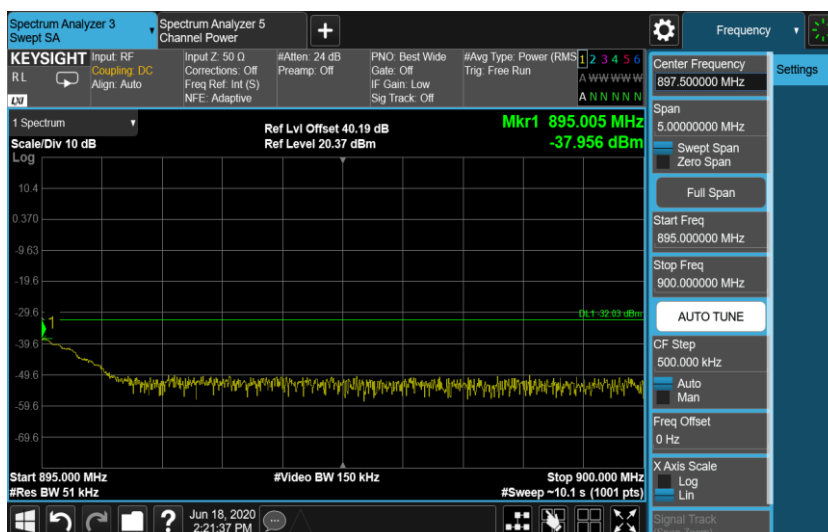


Port A, Channel Position B, 10.0MHz





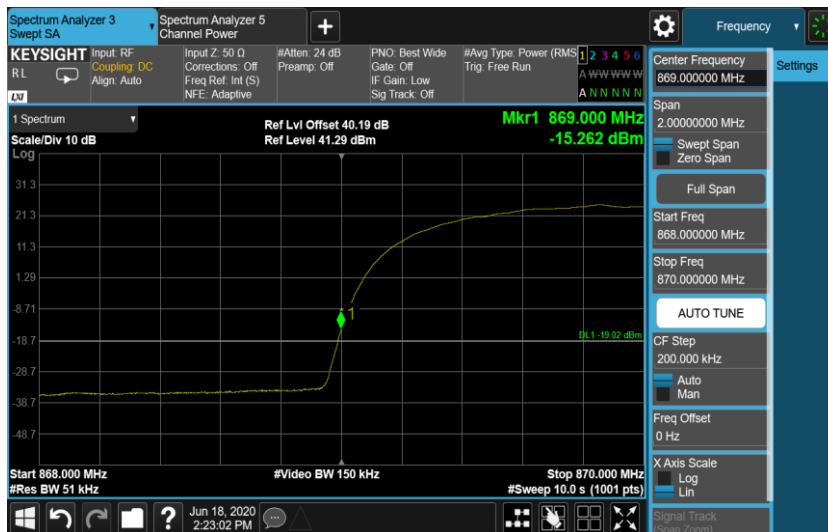
Port A, Channel Position T, 10.0MHz

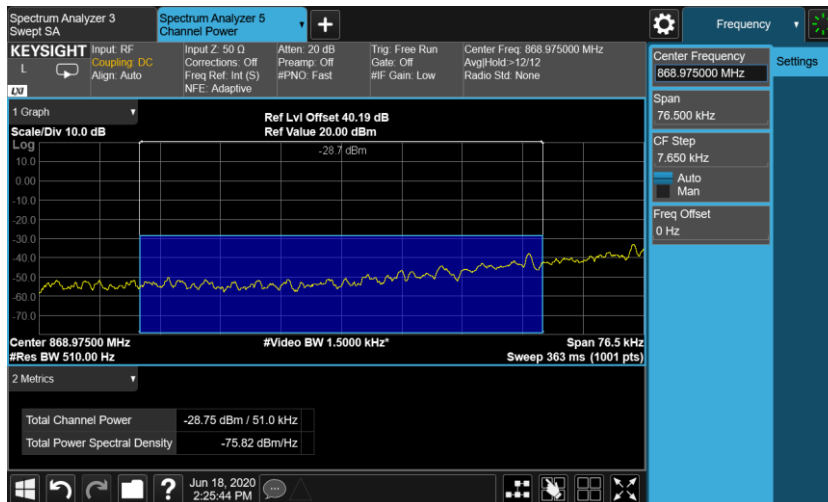


Configuration WCDMA+NR-MIMO-MC-1-BE (1WCDMA+1NR)

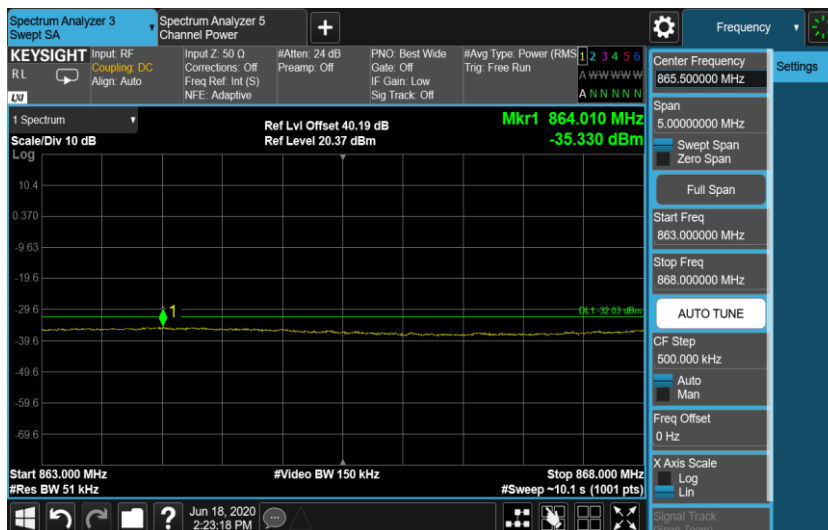
Band Edge Frequency	Channel Bandwidth	RBW (KHz)	Limit (dBm)
Channel Position B	(W) 5.0MHz, (NR) 5.0 MHz	51	-19.02
	W) 5.0MHz, (NR) 10.0 MHz	100	-19.02
	W) 5.0MHz, (NR) 15.0 MHz	150	-19.02
	(W) 5.0MHz, (NR) 20.0 MHz	200	-19.02
Channel Position T	(W) 5.0MHz, (NR) 5.0 MHz	51	-19.02
	W) 5.0MHz, (NR) 10.0 MHz	100	-19.02
	W) 5.0MHz, (NR) 15.0 MHz	150	-19.02
	(W) 5.0MHz, (NR) 20.0 MHz	200	-19.02

Port A, Channel Position B, NR 5.0MHz

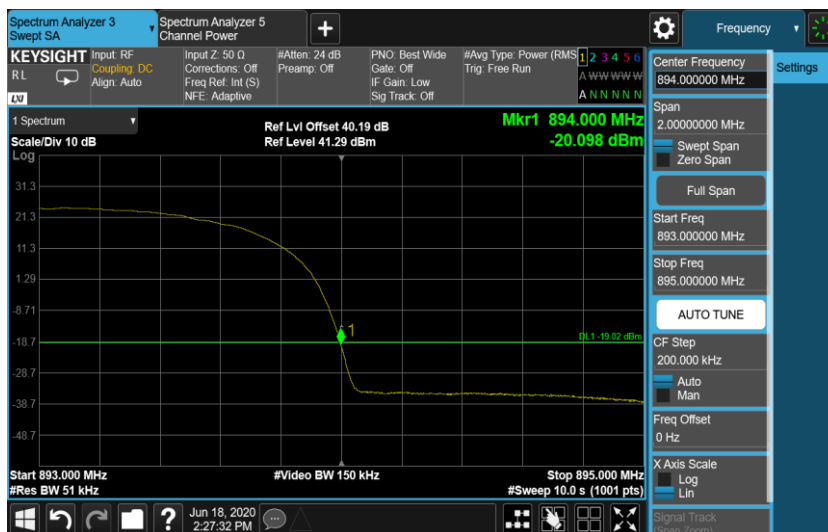


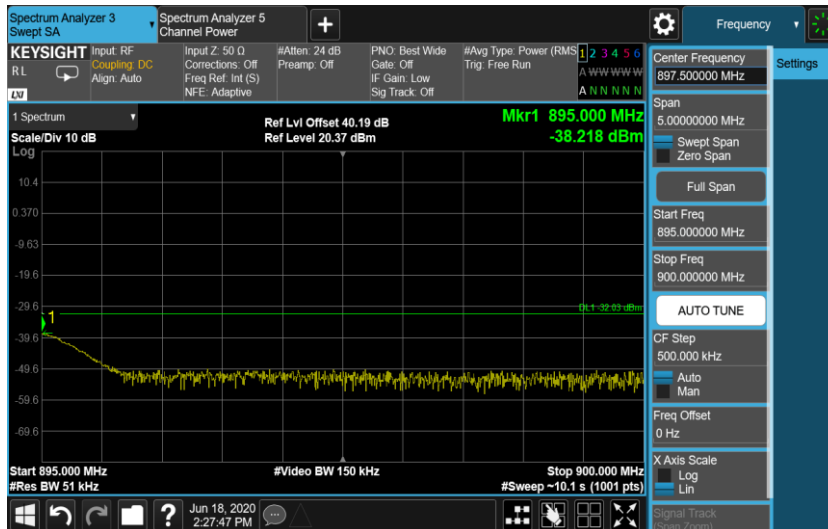


The channel power of 51KHz for 868.975MHz is -28.75dBm, which is within the limit of -19.02dBm.

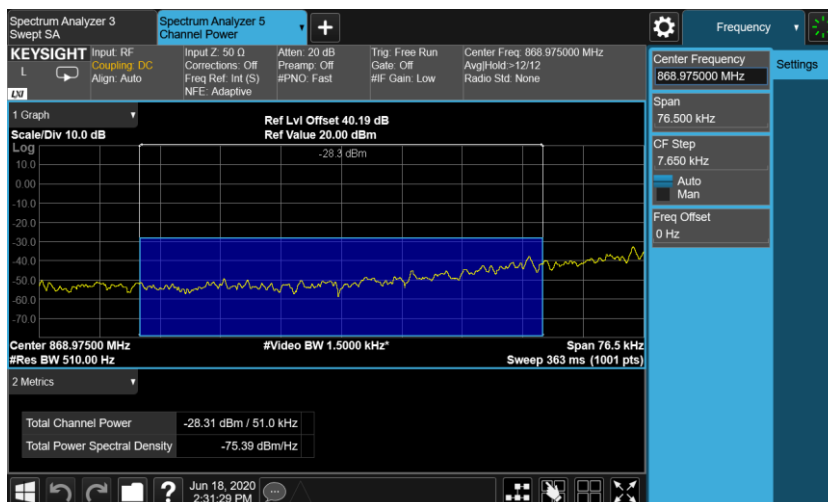
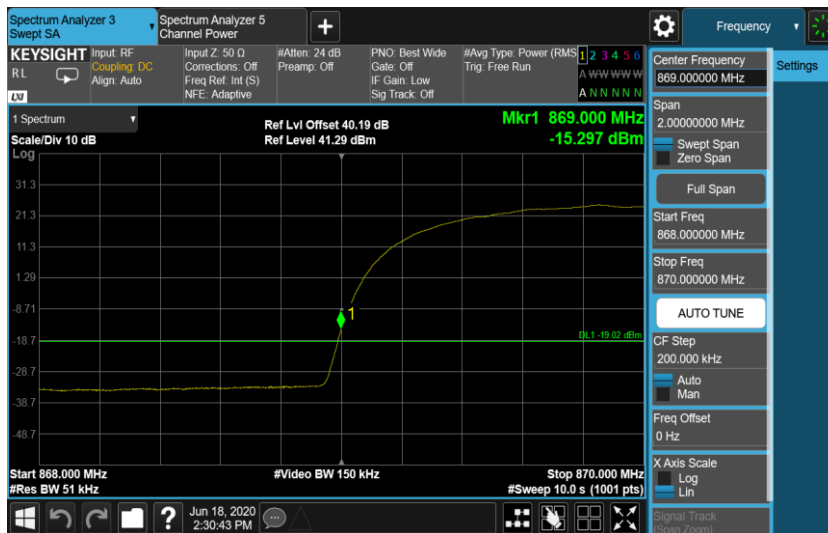


Port A, Channel Position T, NR 5.0MHz

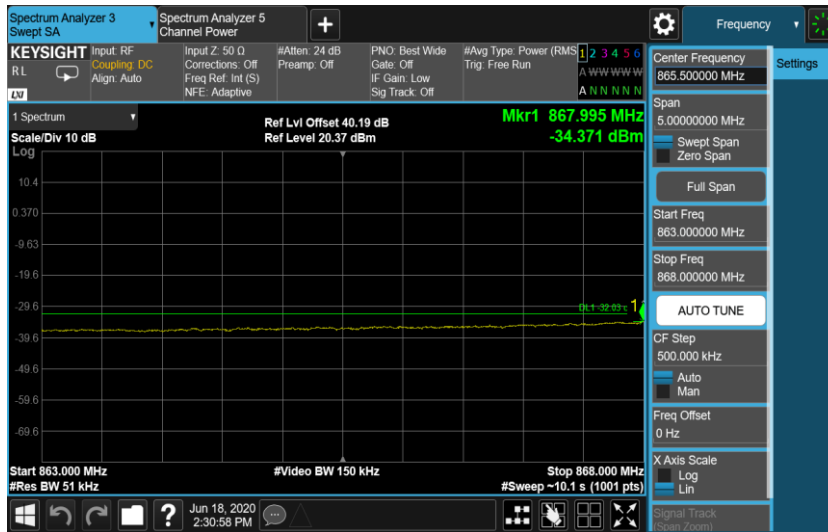




Port A, Channel Position B, NR 10.0MHz



The channel power of 51KHz for 868.975MHz is -28.31dBm, which is within the limit of -19.02dBm.



Port A, Channel Position T, NR 10.0MHz

