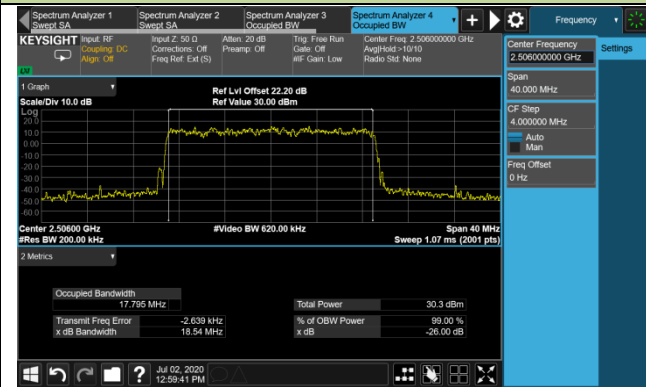
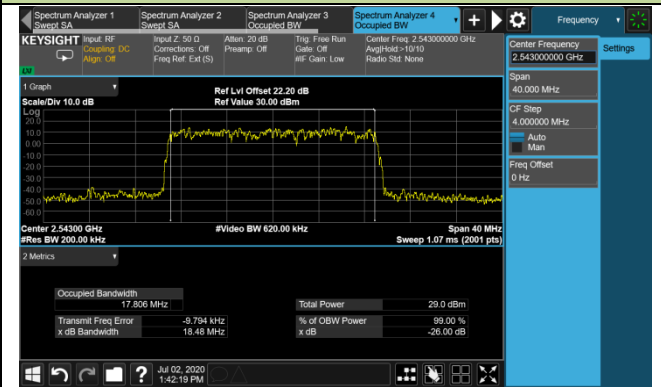


### LTE Emission Bandwidth - QPSK

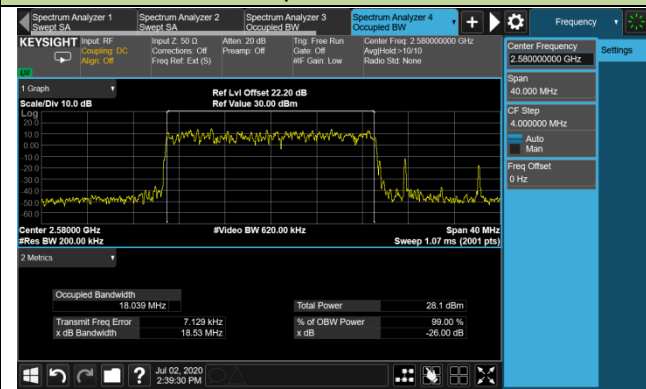
#### Bottom Channel



#### Middle Channel

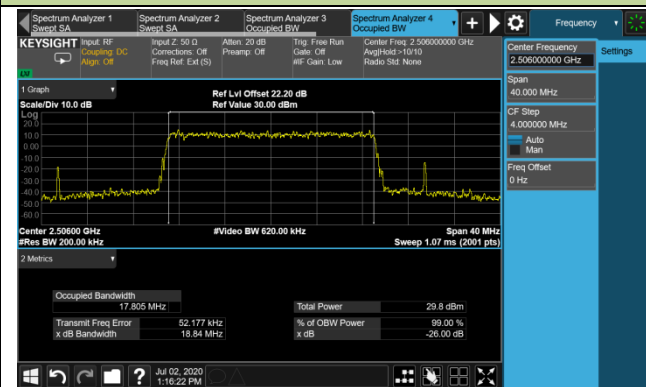


#### Top Channel

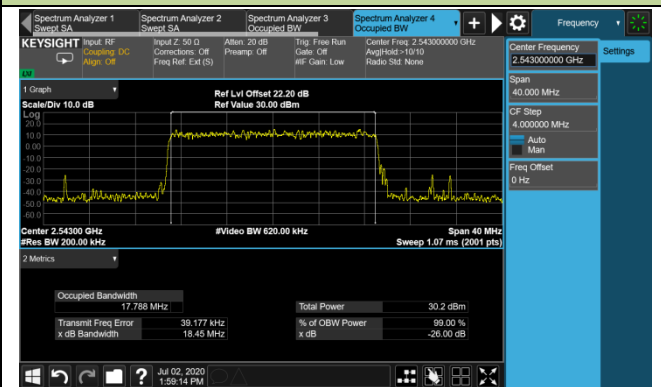


### LTE Emission Bandwidth - 16QAM

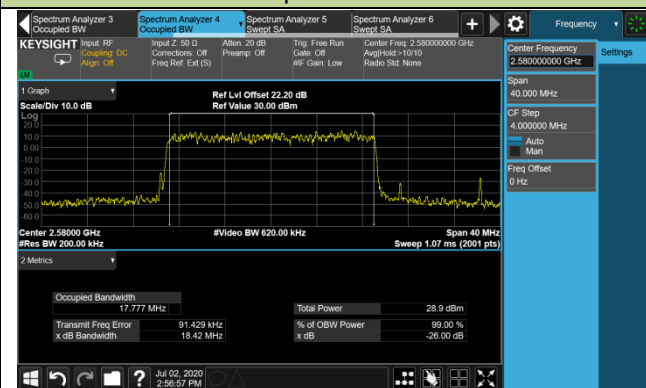
#### Bottom Channel



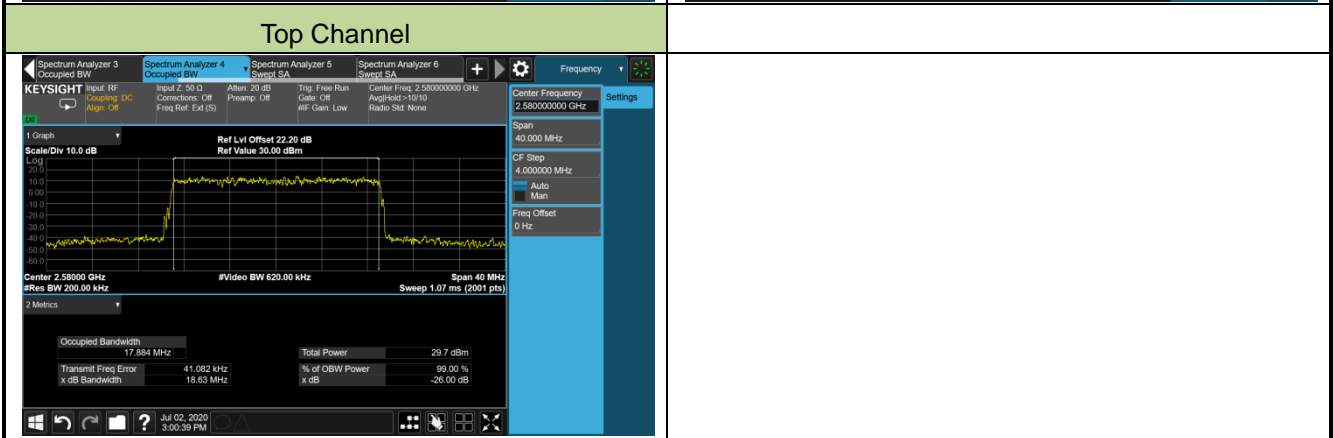
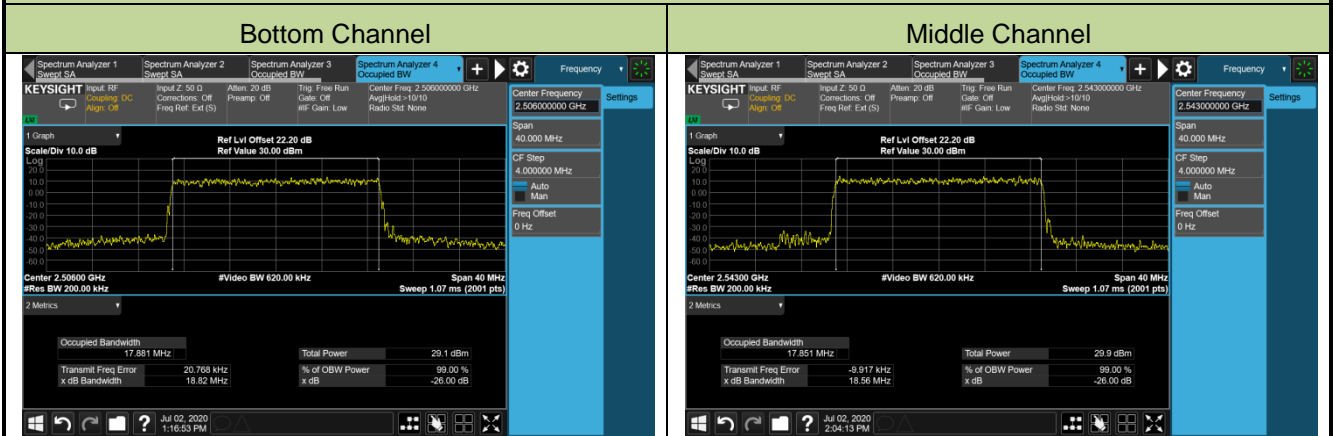
#### Middle Channel



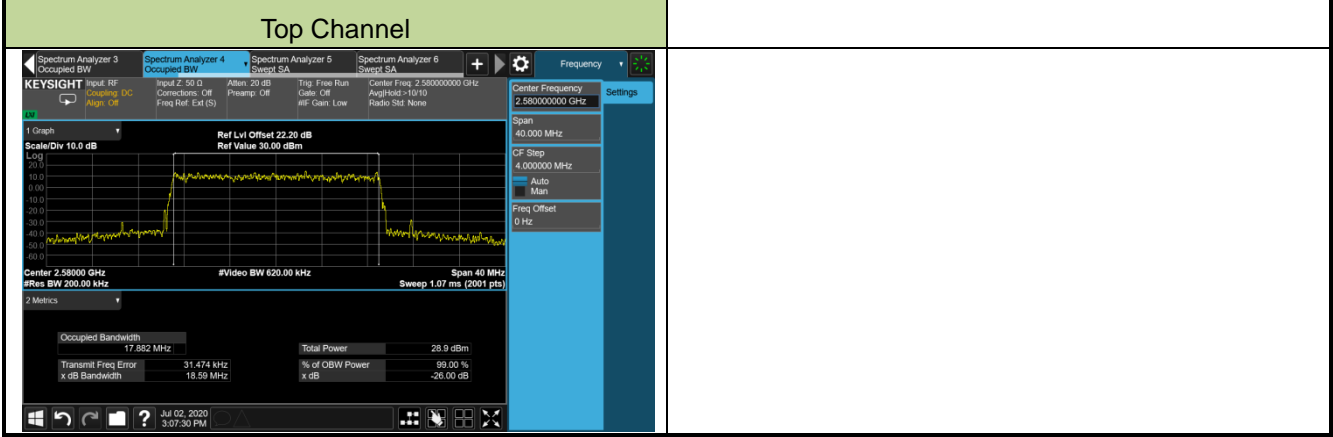
#### Top Channel



## LTE Emission Bandwidth - 64QAM

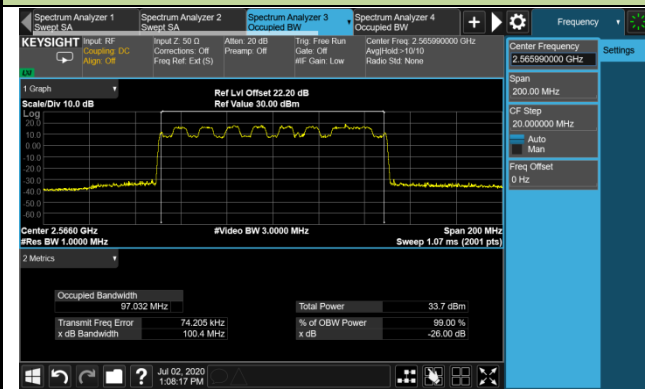


## LTE Emission Bandwidth - 256QAM

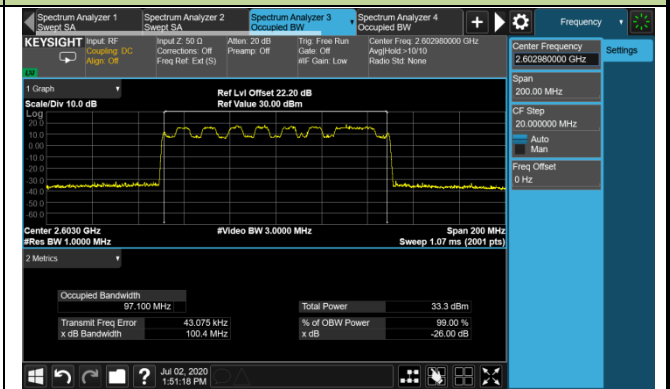


### 5G NR Emission Bandwidth - QPSK

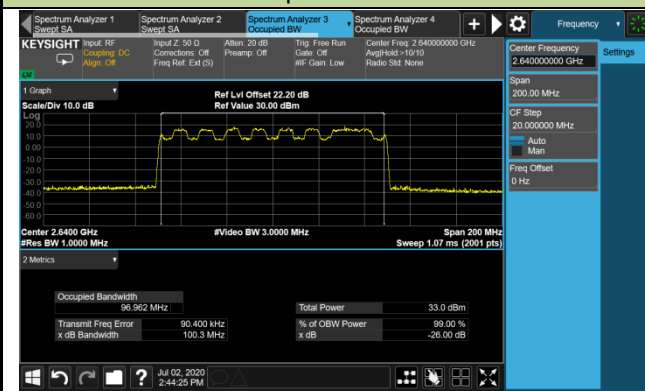
#### Bottom Channel



#### Middle Channel

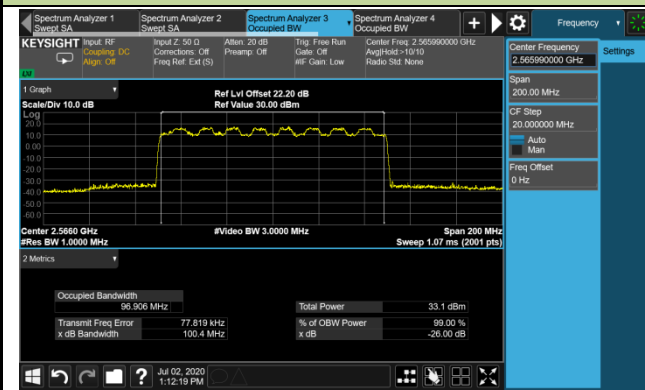


#### Top Channel

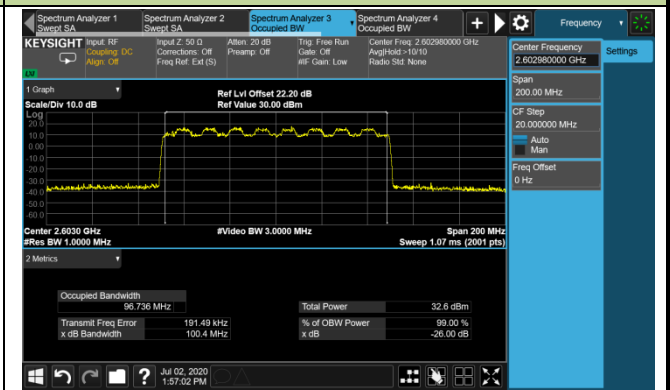


### 5G NR Emission Bandwidth - 16QAM

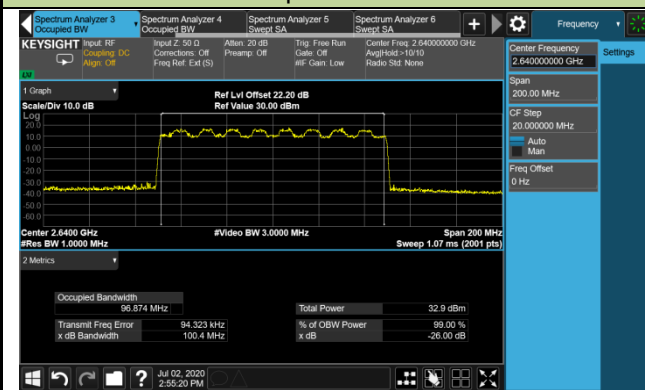
#### Bottom Channel



#### Middle Channel

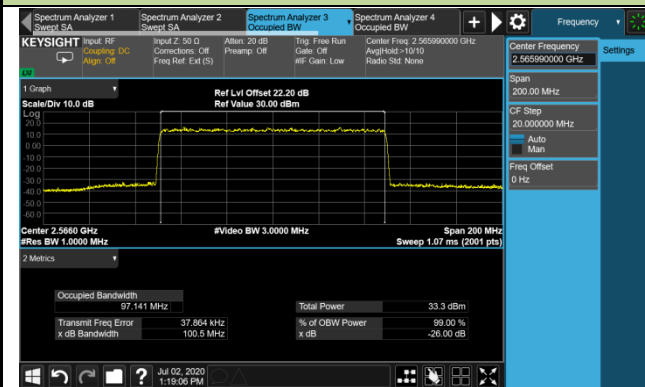


#### Top Channel

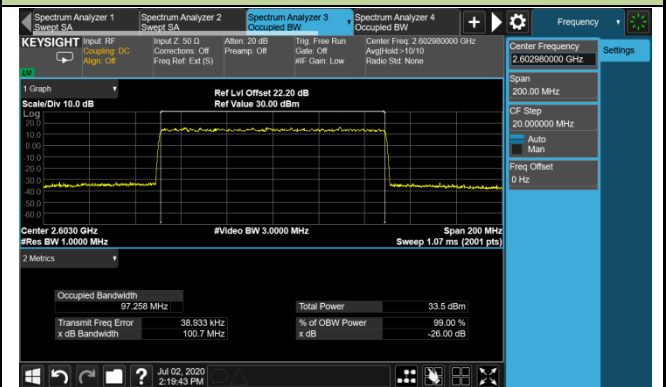


## 5G NR Emission Bandwidth - 64QAM

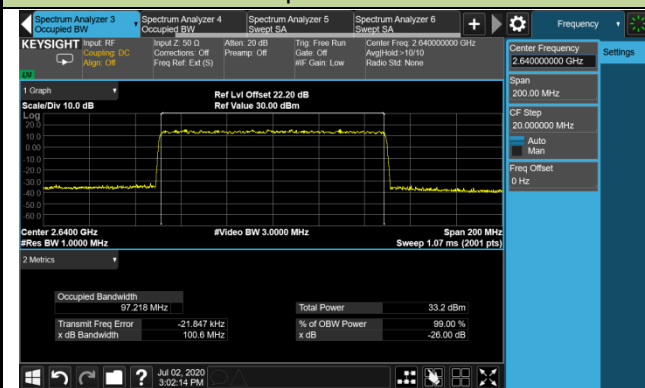
## Bottom Channel



## Middle Channel

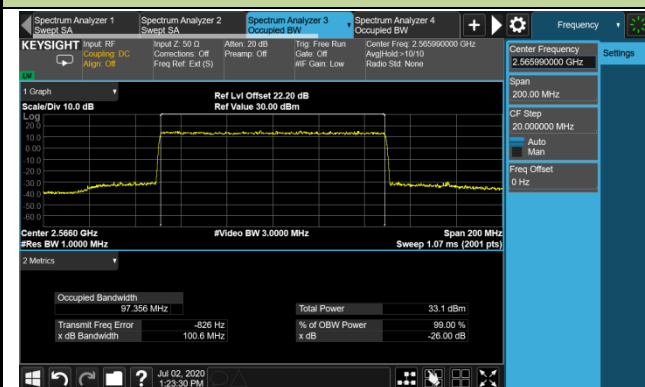


## Top Channel

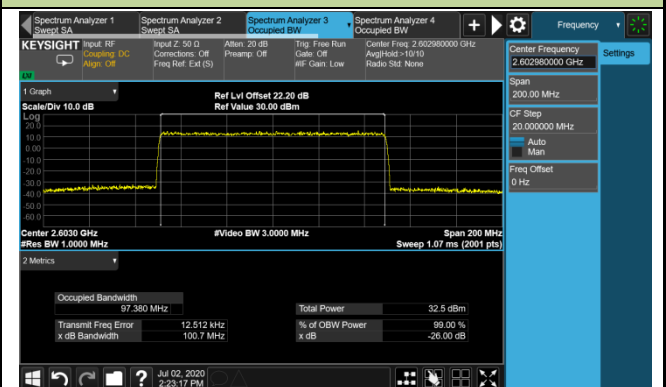


## 5G NR Emission Bandwidth - 256QAM

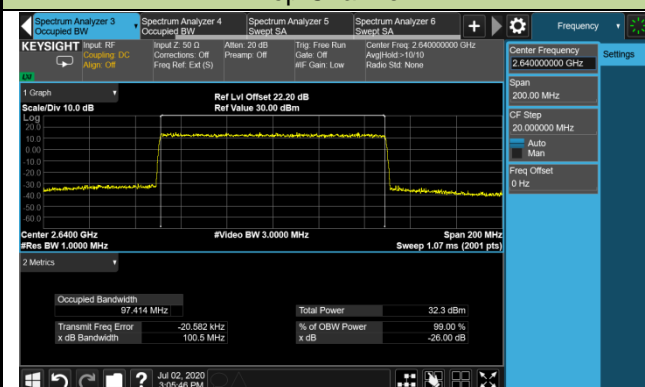
## Bottom Channel



## Middle Channel



## Top Channel

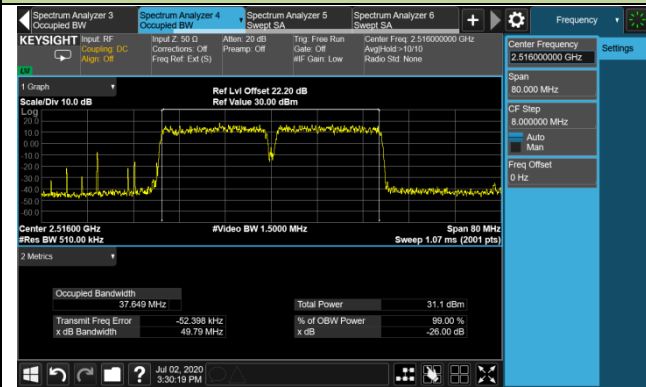


Product	AirScale Indoor Radio ASiR 5G-pRRH	Test Engineer	Kevin Ker
Test Site	SR2	Test Date	2020/07/02
Test Configuration	LTE 20+20MHz + 5G NR 40MHz		
Test Channel	Bottom Channel: LTE 2506 + 2526MHz, 5G NR 2556MHz Middle Channel: LTE 2563 + 2583MHz, 5G NR 2613MHz Top Channel: LTE 2620 + 2640MHz, 5G NR 2670MHz		

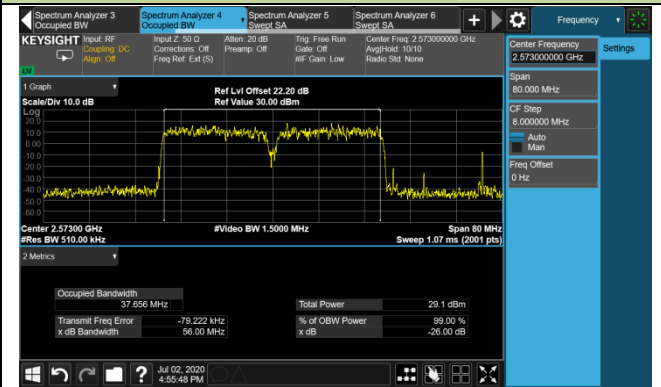
Modulation	Frequency (MHz)	Bandwidth (MHz)	26dB Bandwidth (MHz)		Total 26dB Bandwidth (MHz)	99% Bandwidth (MHz)		Total 99% Bandwidth (MHz)
			LTE	5G NR		LTE	5G NR	
Ant 3 / Ant 2+3 (LTE) + Ant 0 / Ant 0+1 (5G NR)								
QPSK	Bottom	40+40	49.79	39.57	89.36	37.65	37.85	75.50
	Middle	40+40	56.00	39.58	95.58	37.66	37.90	75.56
	Top	40+40	39.10	39.64	78.74	37.79	37.90	75.69
16QAM	Bottom	40+40	39.03	39.74	78.77	37.47	37.98	75.45
	Middle	40+40	39.46	39.59	79.05	37.59	37.84	75.43
	Top	40+40	38.99	39.61	78.60	37.67	37.86	75.53
64QAM	Bottom	40+40	39.01	39.80	78.81	37.70	37.87	75.57
	Middle	40+40	39.11	39.69	78.80	37.67	37.87	75.54
	Top	40+40	39.30	39.76	79.06	37.58	37.85	75.43
256QAM	Bottom	40+40	39.32	39.60	78.92	37.67	37.80	75.47
	Middle	40+40	41.27	39.58	80.85	37.79	37.78	75.57
	Top	40+40	39.11	39.70	78.81	37.76	37.77	75.53

### LTE Emission Bandwidth - QPSK

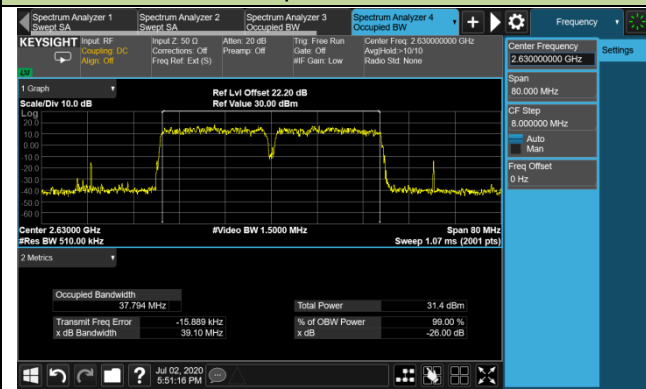
#### Bottom Channel



#### Middle Channel

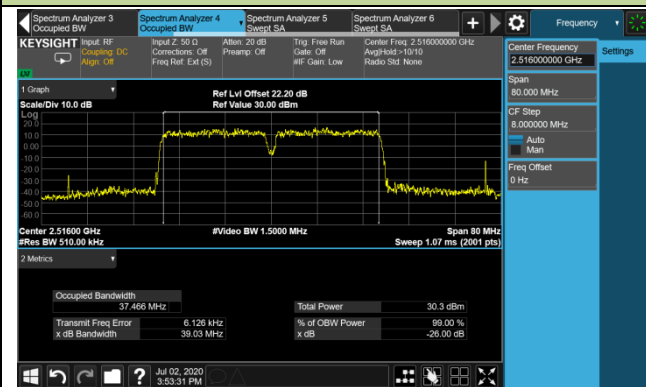


#### Top Channel

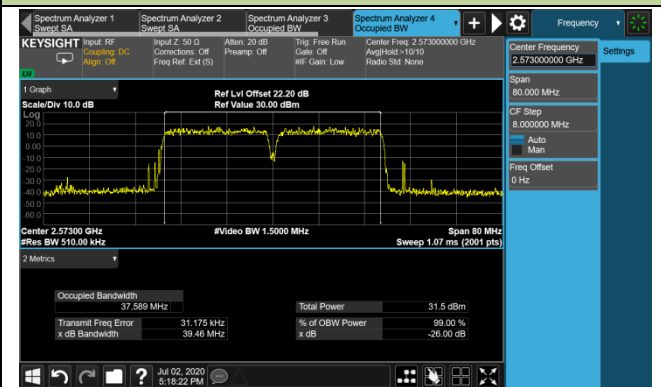


### LTE Emission Bandwidth - 16QAM

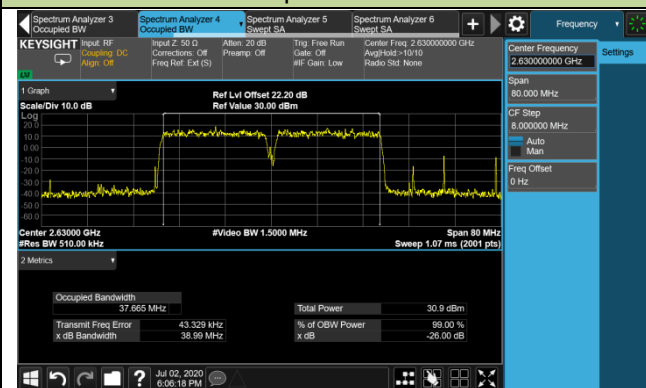
#### Bottom Channel



#### Middle Channel

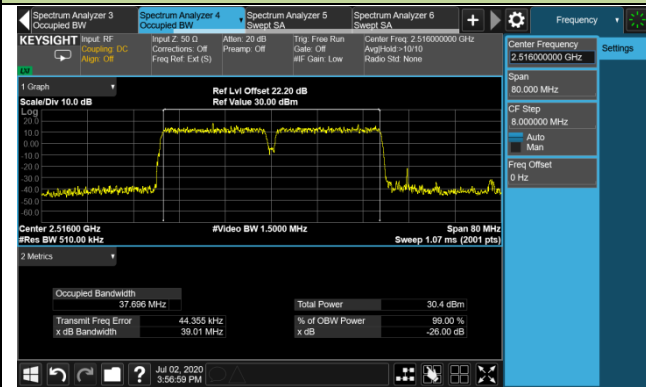


#### Top Channel

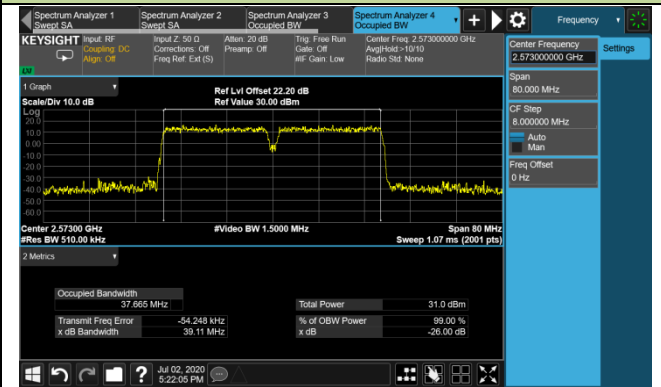


### LTE Emission Bandwidth - 64QAM

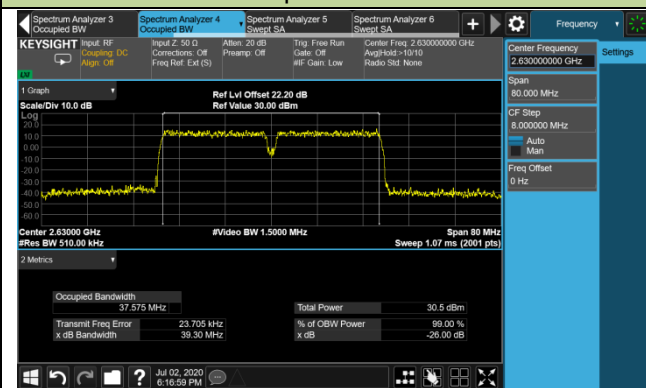
#### Bottom Channel



#### Middle Channel

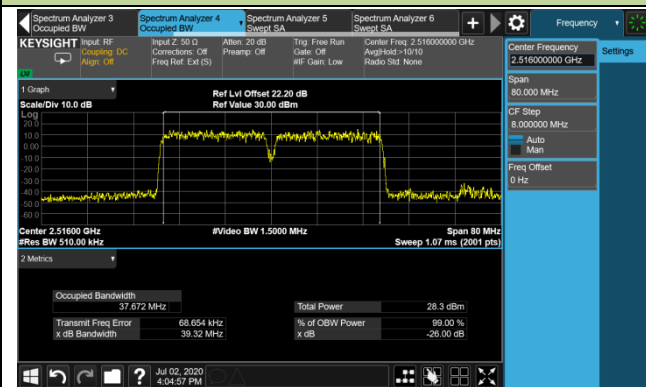


#### Top Channel

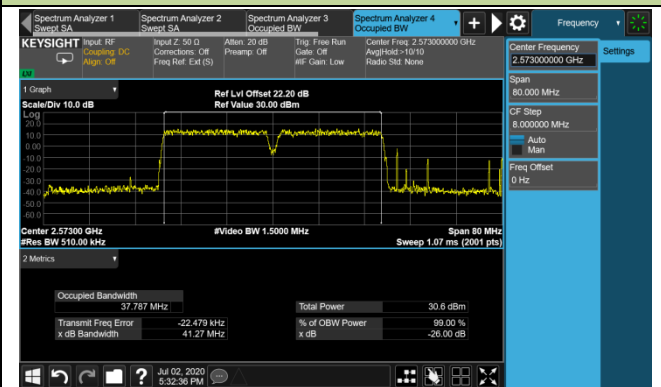


### LTE Emission Bandwidth - 256QAM

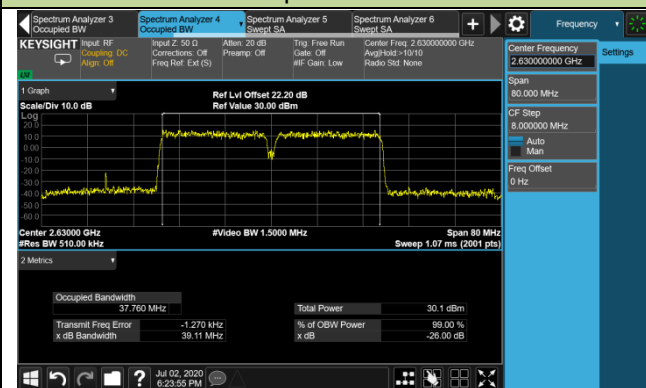
#### Bottom Channel



#### Middle Channel

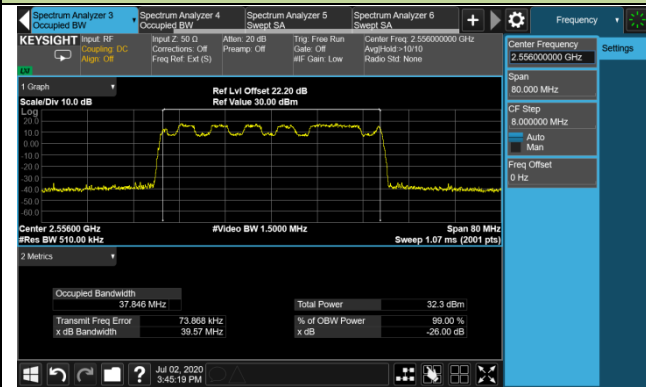


#### Top Channel

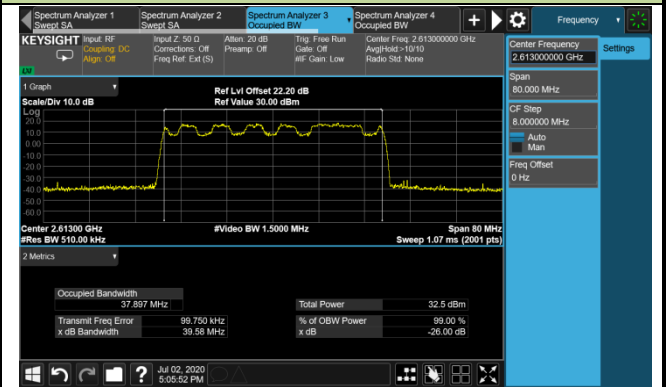


## 5G NR Emission Bandwidth - QPSK

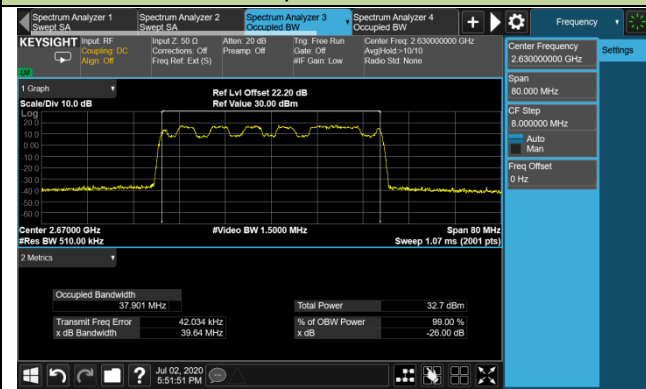
## Bottom Channel



## Middle Channel

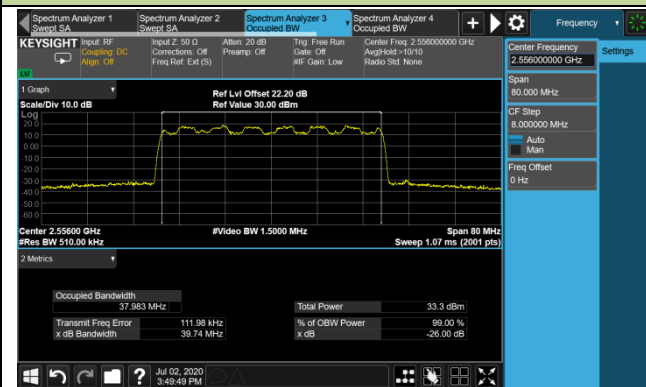


## Top Channel

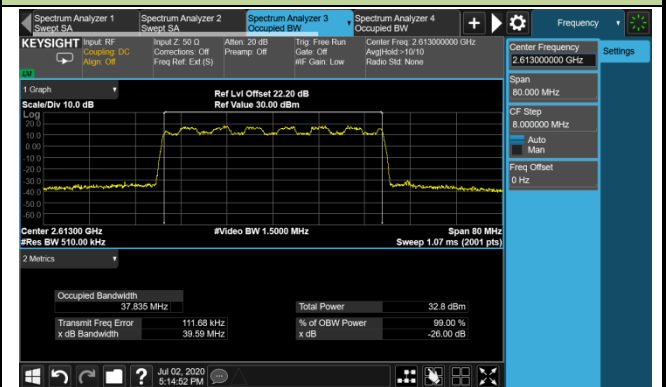


## 5G NR Emission Bandwidth - 16QAM

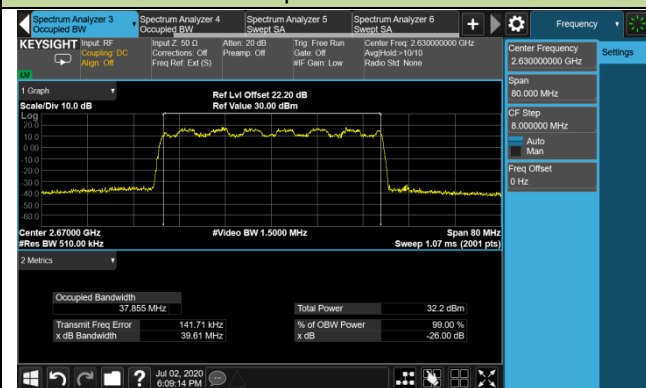
## Bottom Channel



## Middle Channel



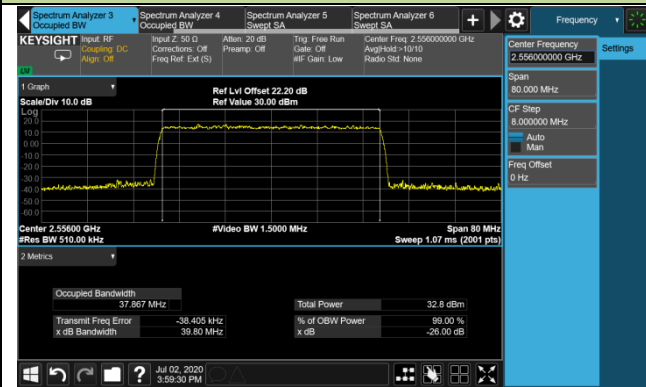
## Top Channel



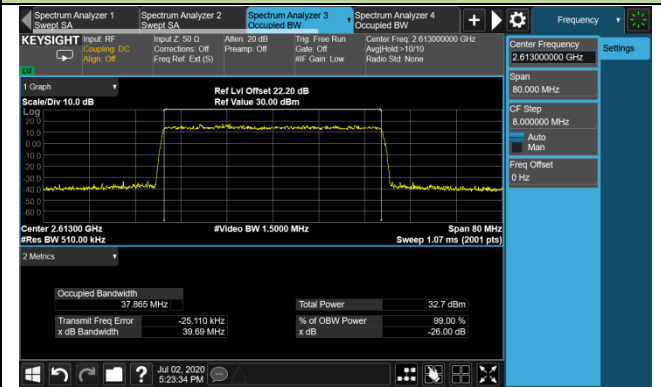


### 5G NR Emission Bandwidth - 64QAM

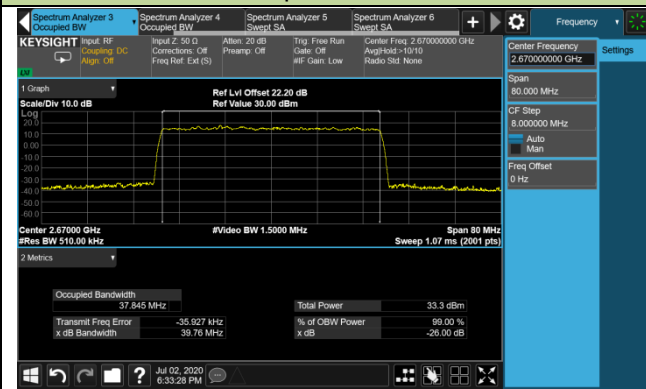
#### Bottom Channel



#### Middle Channel

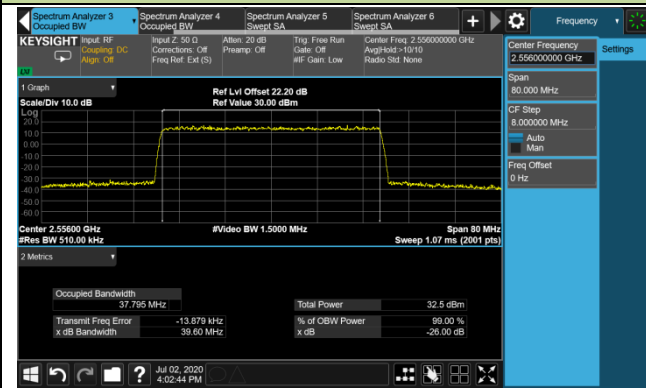


#### Top Channel

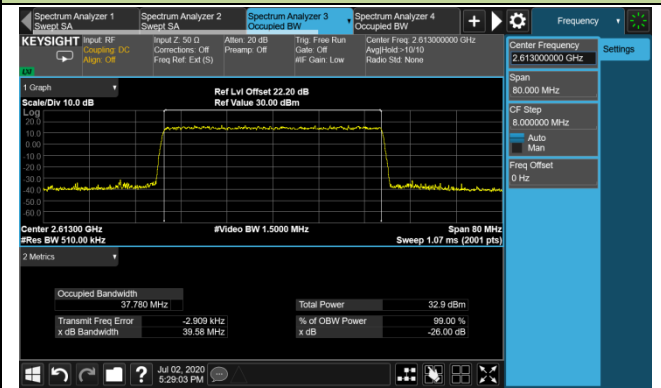


### 5G NR Emission Bandwidth - 256QAM

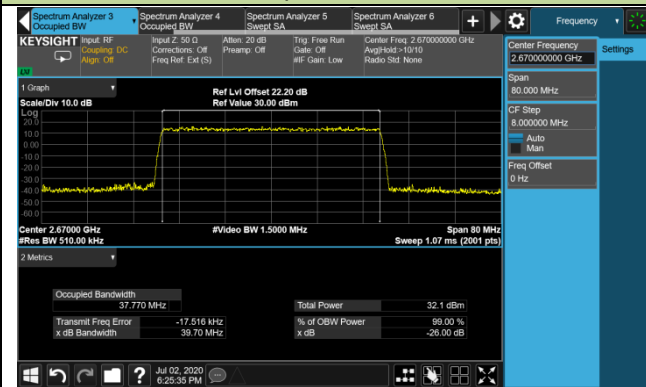
#### Bottom Channel



#### Middle Channel



#### Top Channel

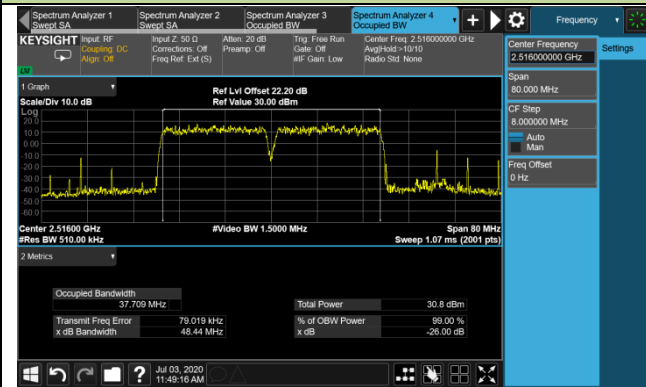


Product	AirScale Indoor Radio ASiR 5G-pRRH	Test Engineer	Kevin Ker
Test Site	SR2	Test Date	2020/07/03
Test Configuration	LTE 20+20MHz + 5G NR 60MHz		
Test Channel	Bottom Channel: LTE 2506 + 2526MHz, 5G NR 2565.99MHz Middle Channel: LTE 2553 + 2573MHz, 5G NR 2613MHz Top Channel: LTE 2600+ 2620MHz, 5G NR 2659.98MHz		

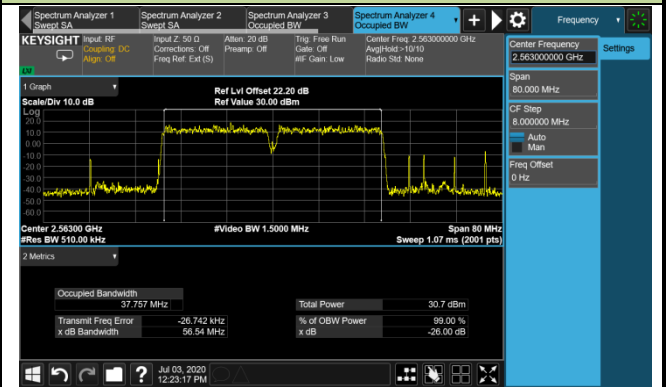
Modulation	Frequency (MHz)	Bandwidth (MHz)	26dB Bandwidth (MHz)		Total 26dB Bandwidth (MHz)	99% Bandwidth (MHz)		Total 99% Bandwidth (MHz)
			LTE	5G NR		Total	5G NR	
Ant 3 / Ant 2+3 (LTE) + Ant 0 / Ant 0+1 (5G NR)								
QPSK	Bottom	40+60	48.44	59.36	107.80	37.71	57.70	95.41
	Middle	40+60	56.54	59.75	116.29	37.76	57.78	95.54
	Top	40+60	38.91	59.66	98.57	37.59	57.77	95.36
16QAM	Bottom	40+60	38.91	59.79	98.70	37.54	57.84	95.38
	Middle	40+60	38.94	59.76	98.70	37.43	57.77	95.20
	Top	40+60	46.40	59.94	106.34	37.70	57.86	95.56
64QAM	Bottom	40+60	42.43	59.76	102.19	37.82	57.76	95.58
	Middle	40+60	39.03	59.67	98.70	37.66	57.76	95.42
	Top	40+60	39.40	59.88	99.28	37.74	57.73	95.47
256QAM	Bottom	40+60	39.14	59.76	98.90	37.73	57.77	95.50
	Middle	40+60	40.92	59.84	100.76	37.86	57.72	95.58
	Top	40+60	63.77	59.74	123.51	37.83	57.70	95.53

## LTE Emission Bandwidth - QPSK

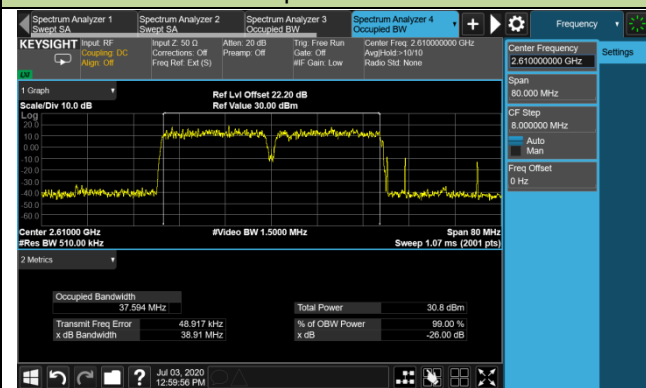
## Bottom Channel



## Middle Channel

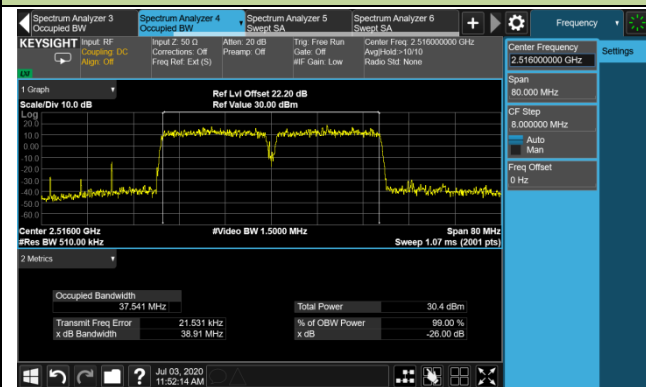


## Top Channel

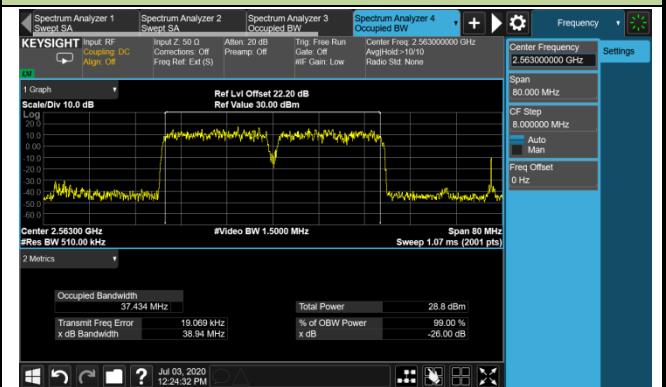


## LTE Emission Bandwidth - 16QAM

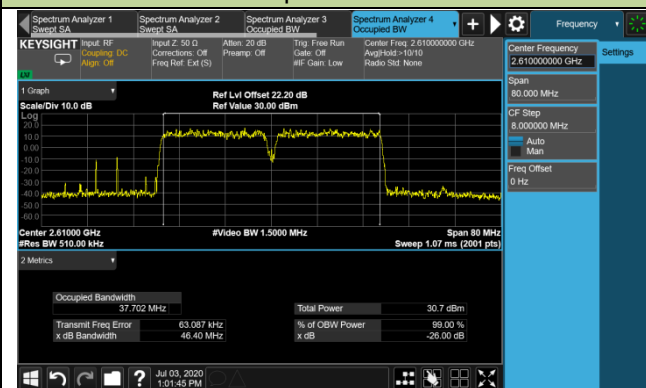
## Bottom Channel



## Middle Channel

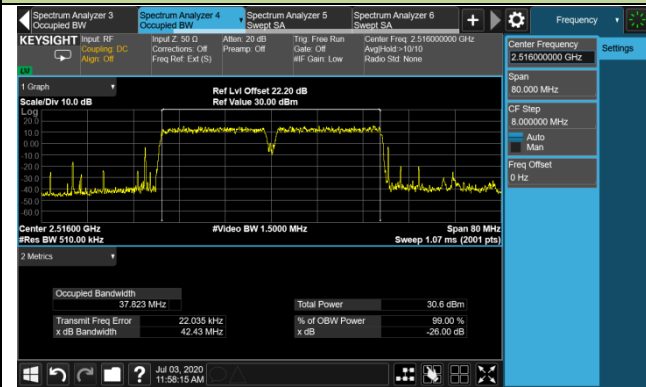


## Top Channel

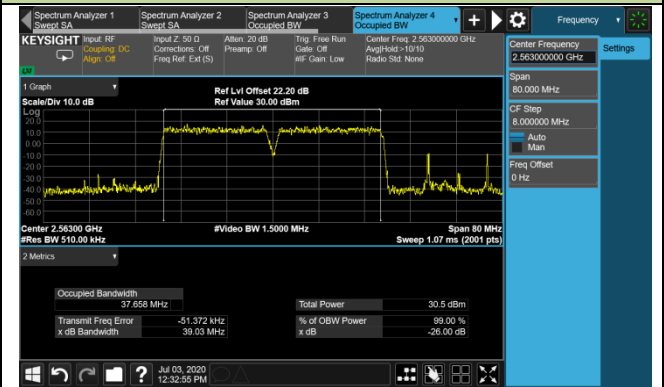


### LTE Emission Bandwidth - 64QAM

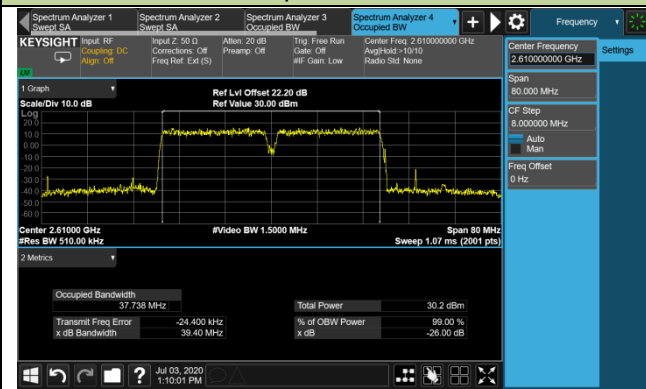
#### Bottom Channel



#### Middle Channel

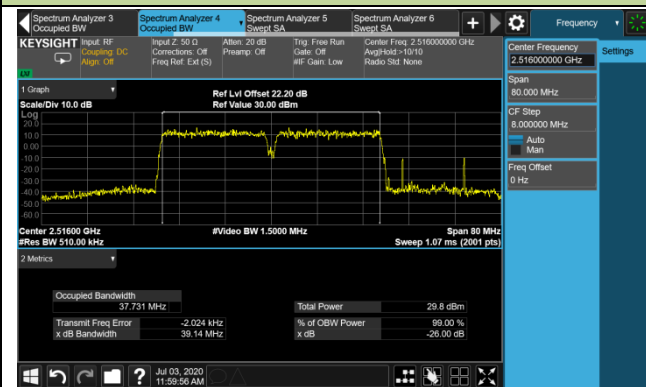


#### Top Channel

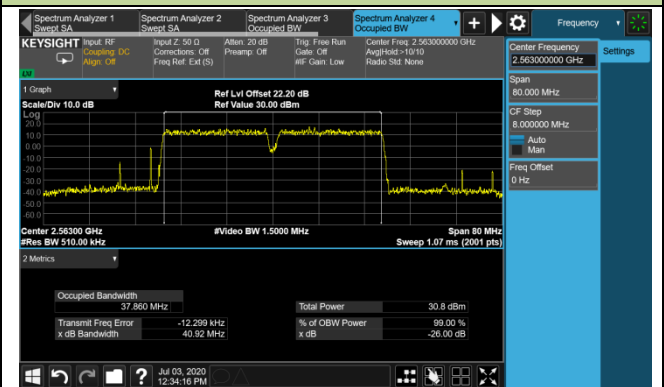


### LTE Emission Bandwidth - 256QAM

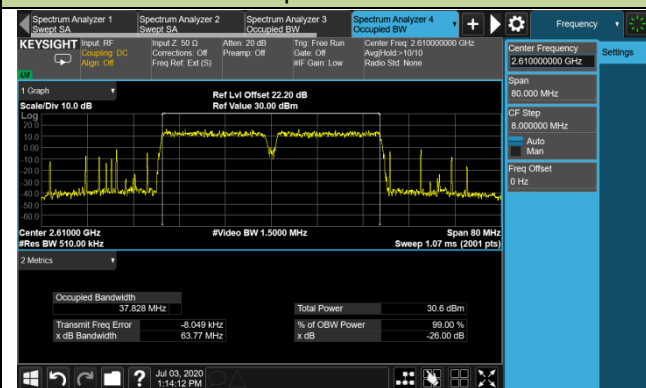
#### Bottom Channel



#### Middle Channel

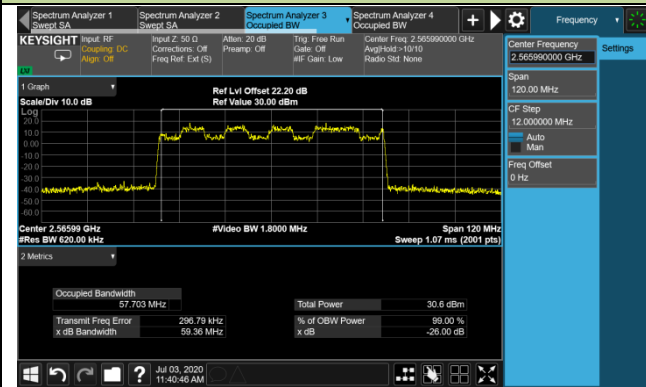


#### Top Channel

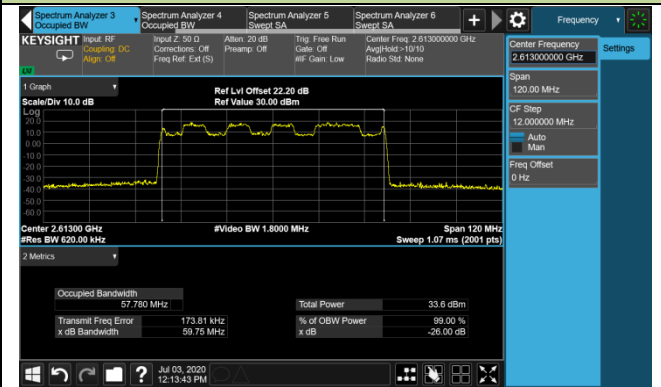


### 5G NR Emission Bandwidth - QPSK

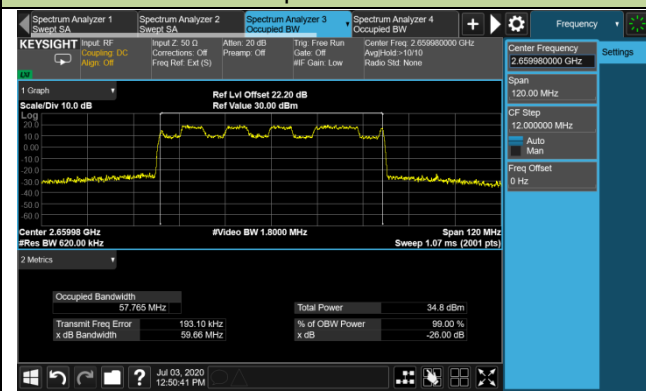
#### Bottom Channel



#### Middle Channel

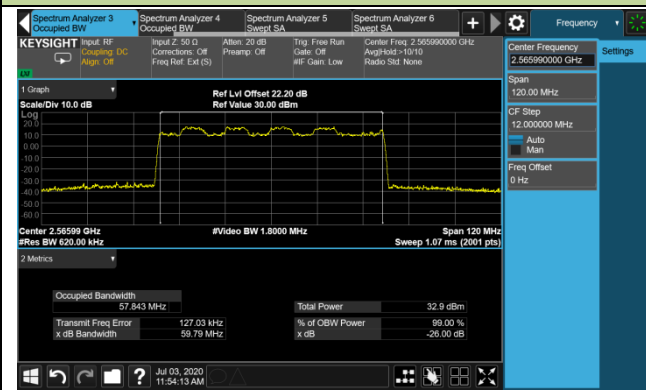


#### Top Channel

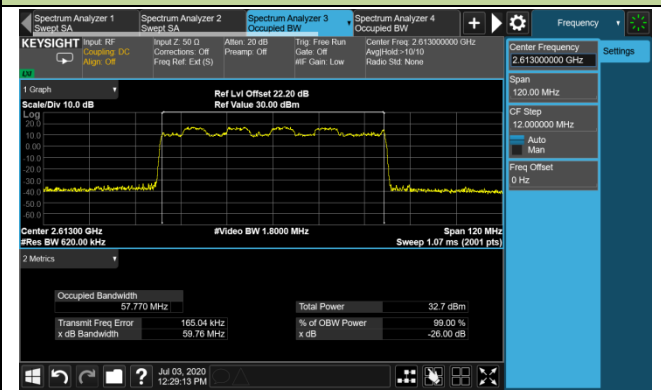


### 5G NR Emission Bandwidth - 16QAM

#### Bottom Channel



#### Middle Channel



#### Top Channel

