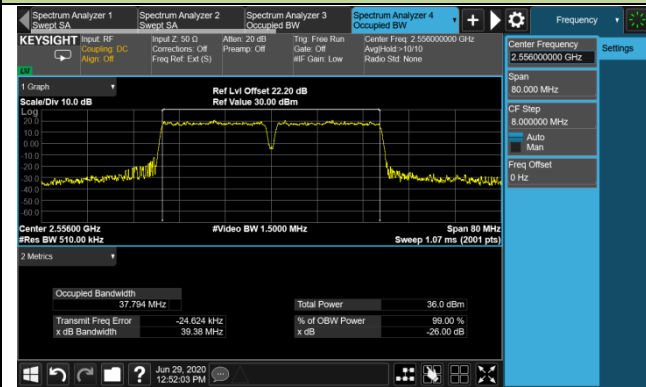
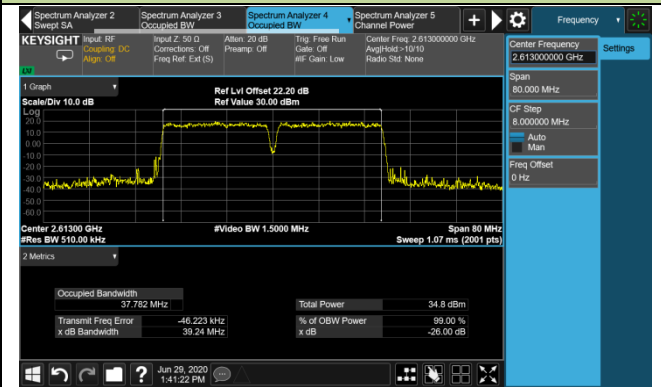


LTE Emission Bandwidth - QPSK

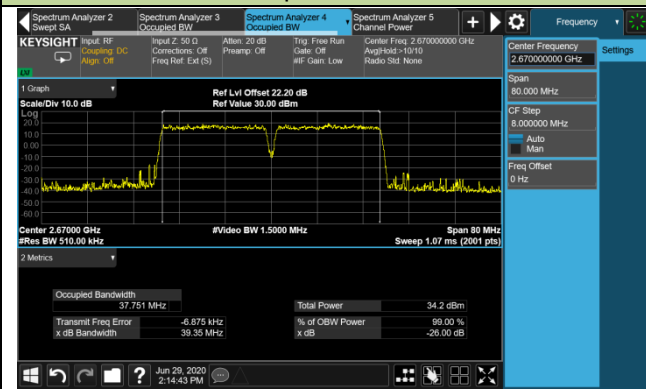
Bottom Channel



Middle Channel

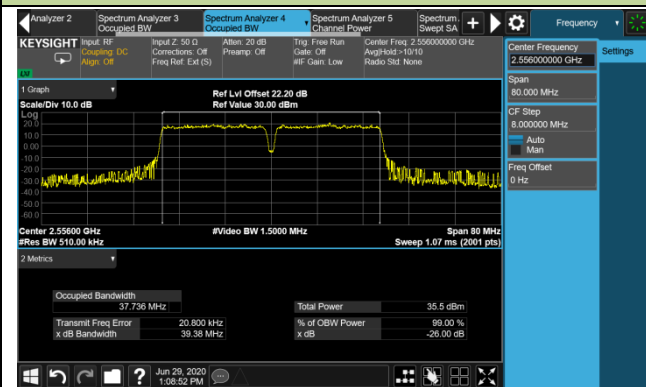


Top Channel

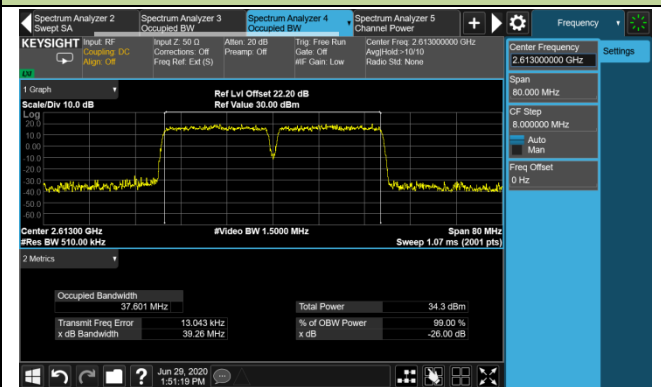


LTE Emission Bandwidth - 16QAM

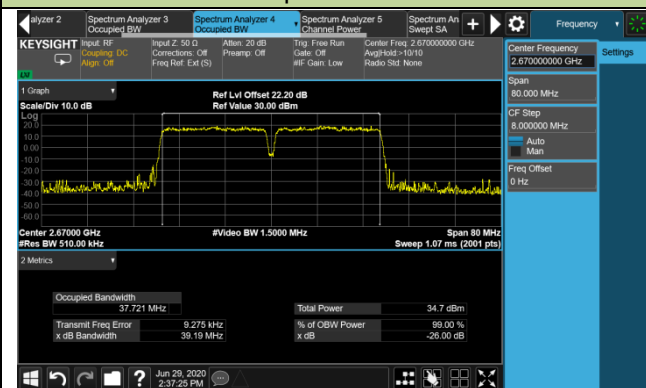
Bottom Channel



Middle Channel

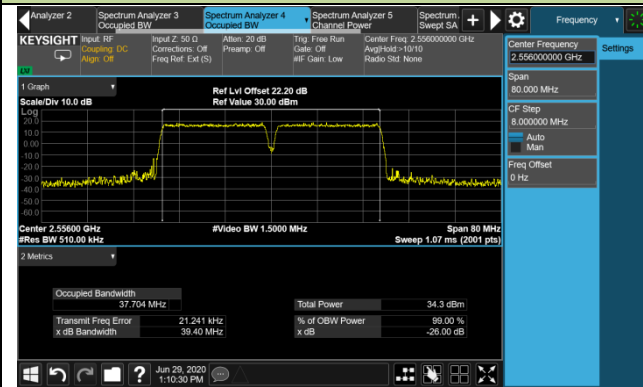


Top Channel

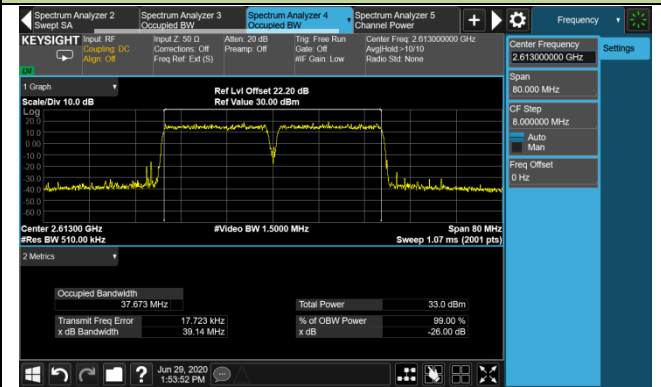


LTE Emission Bandwidth - 64QAM

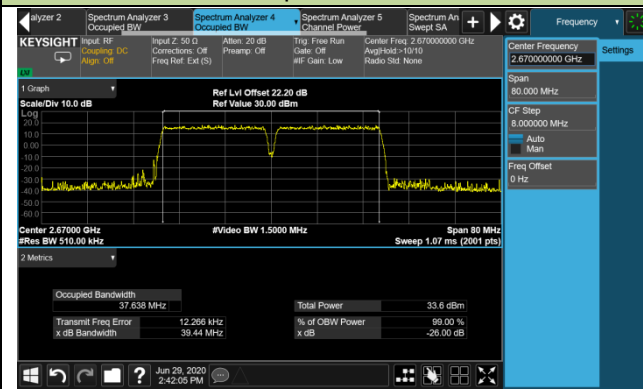
Bottom Channel



Middle Channel

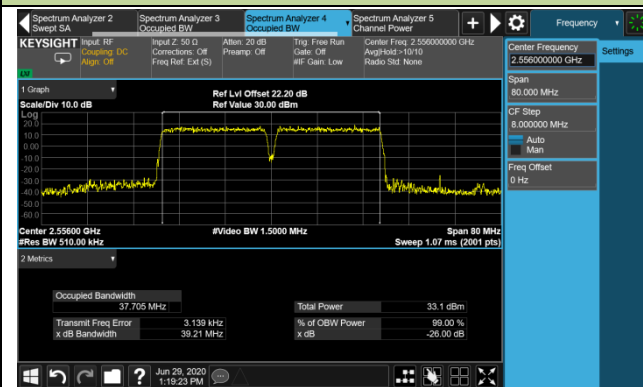


Top Channel

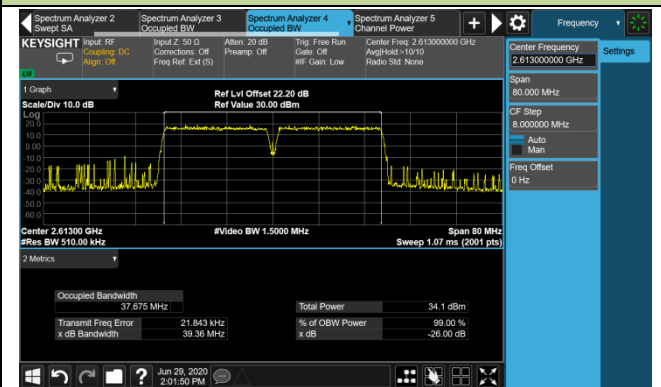


LTE Emission Bandwidth - 256QAM

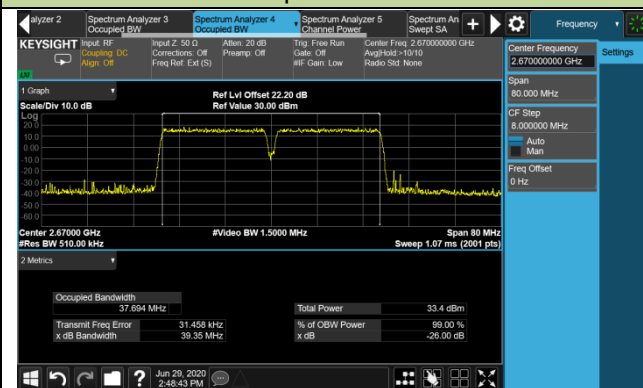
Bottom Channel



Middle Channel



Top Channel

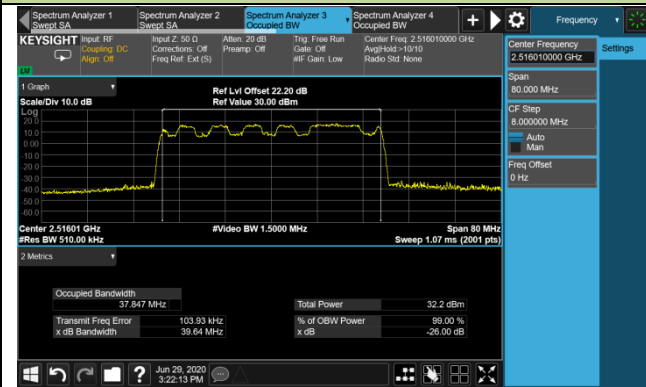


Product	AirScale Indoor Radio ASiR 5G-pRRH	Test Engineer	Kevin Ker
Test Site	SR2	Test Date	2020/06/29
Test Configuration	5G NR 40MHz + LTE 20 + 20 + 20MHz		
Test Channel	Bottom Channel: 5G NR 2516.01MHz, LTE 2546 + 2566 + 2586MHz Middle Channel: 5G NR 2563.02MHz, LTE 2593 + 2613 + 2633MHz Top Channel: 5G NR 2610MHz, LTE 2640 + 2660 + 2680MHz		

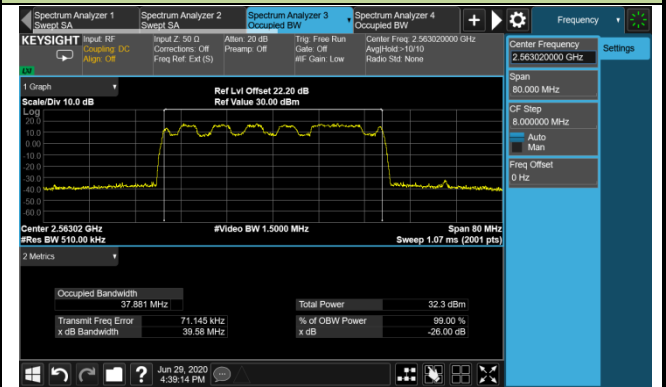
Modulation	Frequency (MHz)	Bandwidth (MHz)	26dB Bandwidth (MHz)		Total 26dB Bandwidth (MHz)	99% Bandwidth (MHz)		Total 99% Bandwidth (MHz)
			5G NR	LTE		5G NR	LTE	
Ant 0 / Ant 0+1 (5G NR) + Ant 3 / Ant 2+3 (LTE)								
QPSK	Bottom	40+60	39.64	59.49	99.13	37.85	57.49	95.34
	Middle	40+60	39.58	59.34	98.92	37.88	57.60	95.48
	Top	40+60	39.54	59.64	99.18	37.84	57.50	95.34
16QAM	Bottom	40+60	39.61	59.44	99.05	37.84	57.51	95.35
	Middle	40+60	39.66	59.37	99.03	37.88	57.44	95.32
	Top	40+60	39.50	59.38	98.88	37.85	57.49	95.34
64QAM	Bottom	40+60	39.52	59.59	99.11	37.79	57.55	95.34
	Middle	40+60	39.65	59.40	99.05	37.82	57.51	95.33
	Top	40+60	39.72	59.61	99.33	37.83	57.47	95.30
256QAM	Bottom	40+60	39.50	59.56	99.06	37.78	57.50	95.28
	Middle	40+60	39.68	59.43	99.11	37.78	57.46	95.24
	Top	40+60	39.52	59.47	98.99	37.79	57.61	95.40

5G NR Emission Bandwidth - QPSK

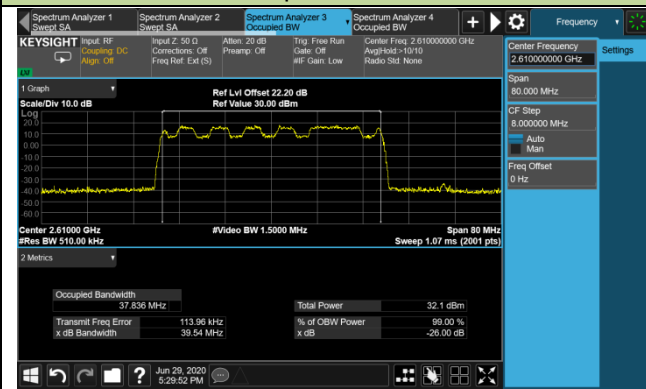
Bottom Channel



Middle Channel

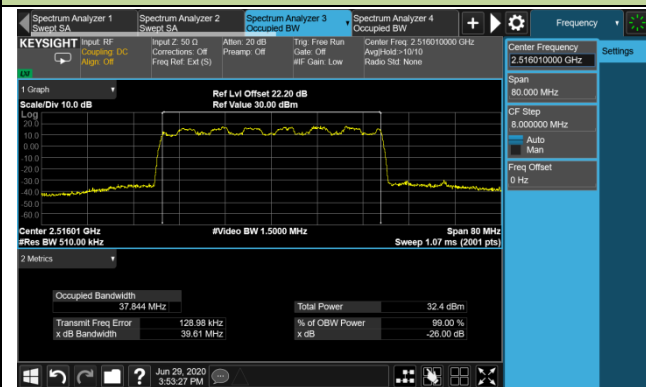


Top Channel

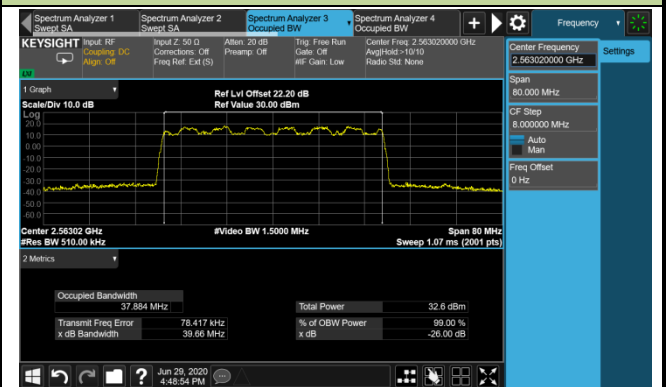


5G NR Emission Bandwidth - 16QAM

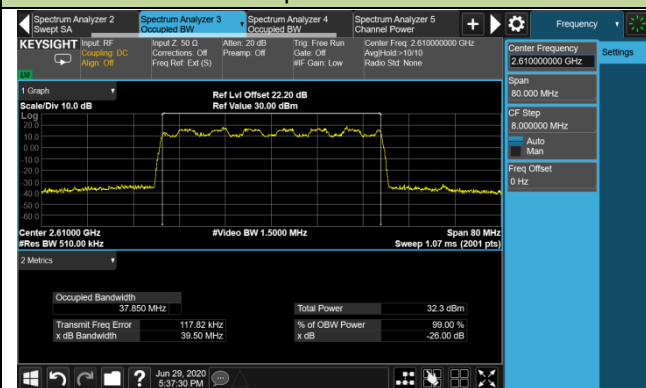
Bottom Channel



Middle Channel

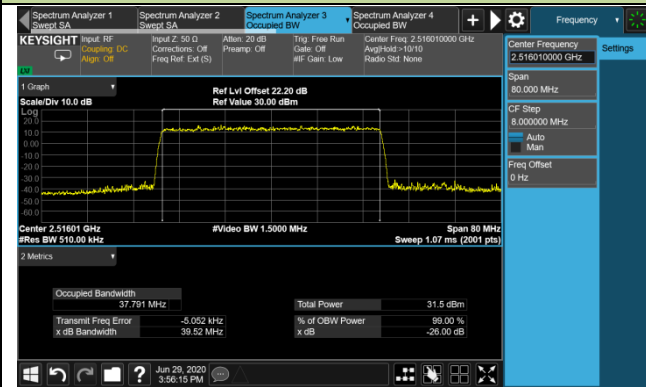


Top Channel

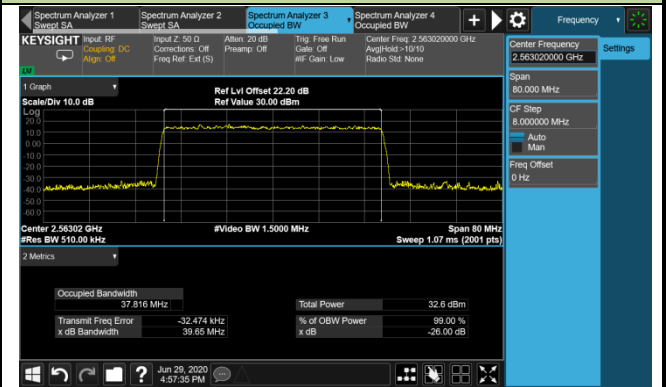


5G NR Emission Bandwidth - 64QAM

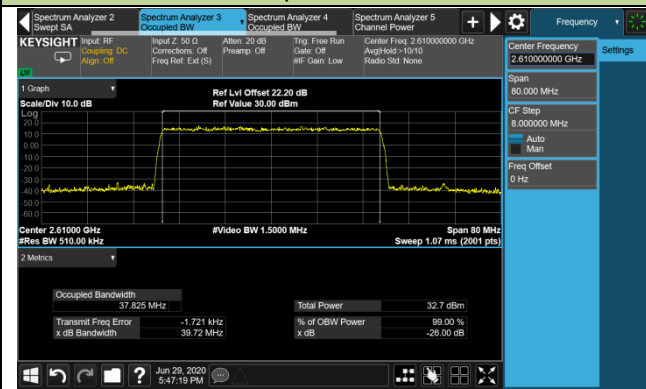
Bottom Channel



Middle Channel

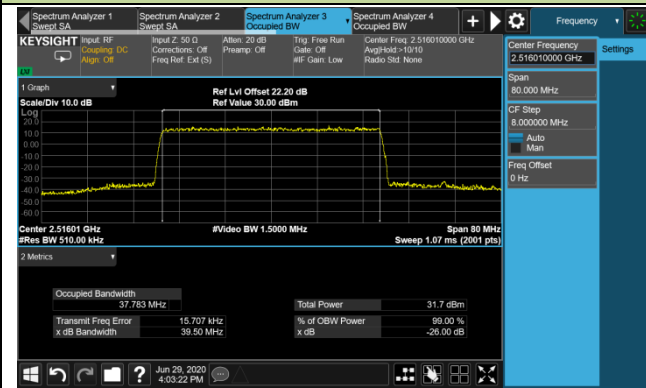


Top Channel

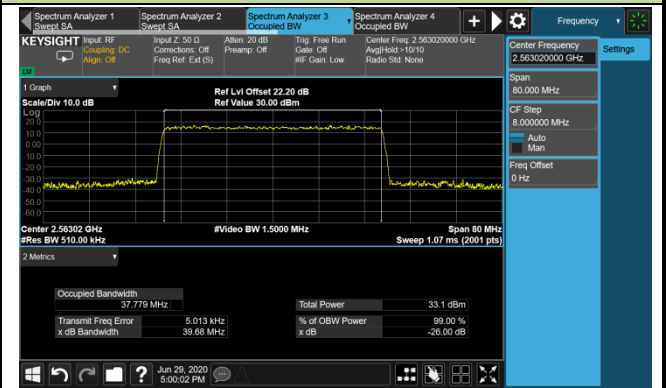


5G NR Emission Bandwidth - 256QAM

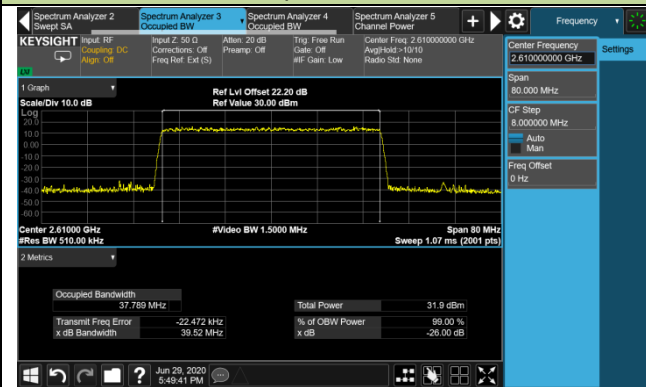
Bottom Channel



Middle Channel

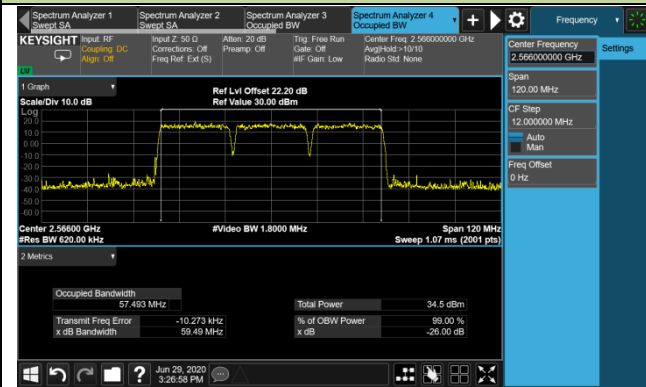


Top Channel

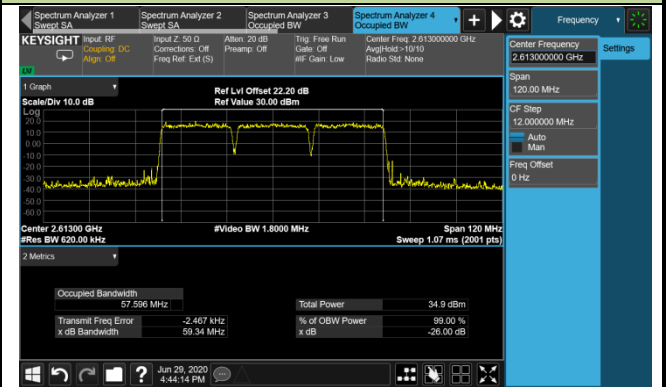


LTE Emission Bandwidth - QPSK

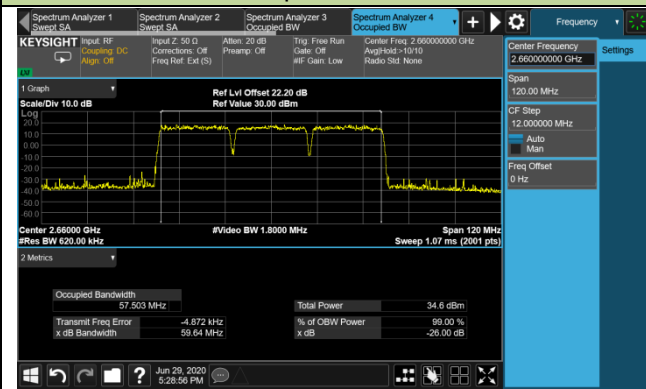
Bottom Channel



Middle Channel

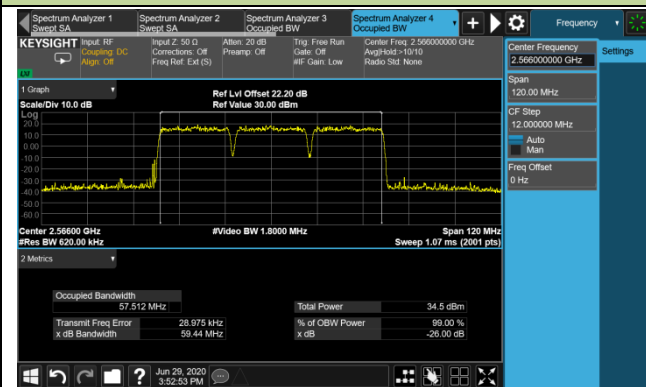


Top Channel

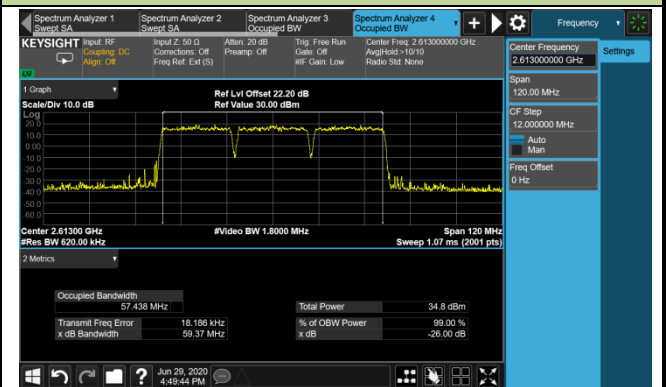


LTE Emission Bandwidth - 16QAM

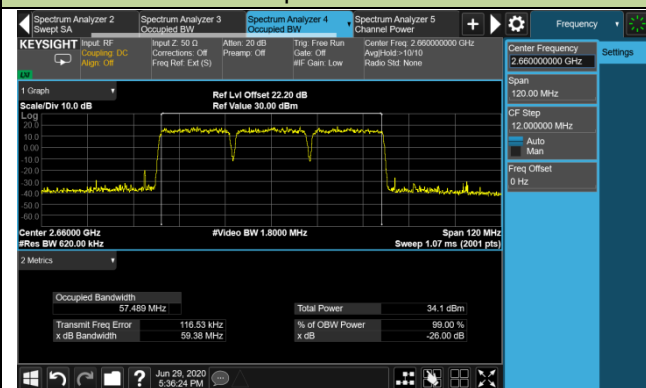
Bottom Channel



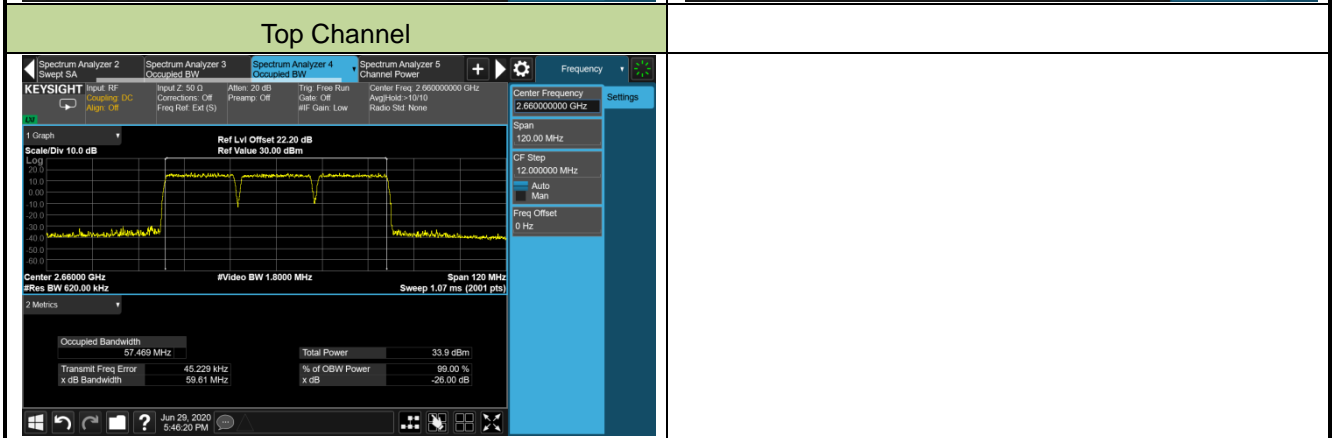
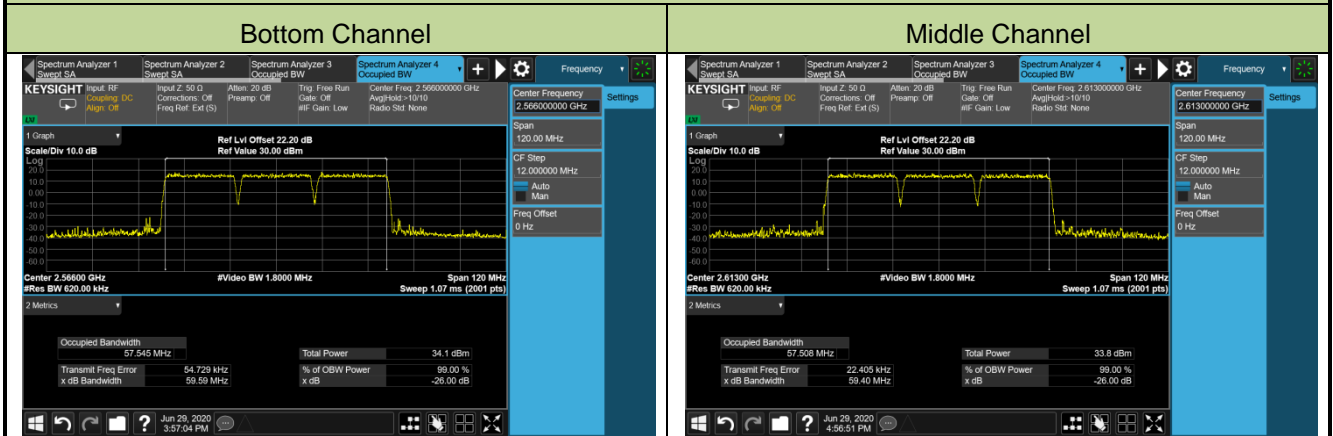
Middle Channel



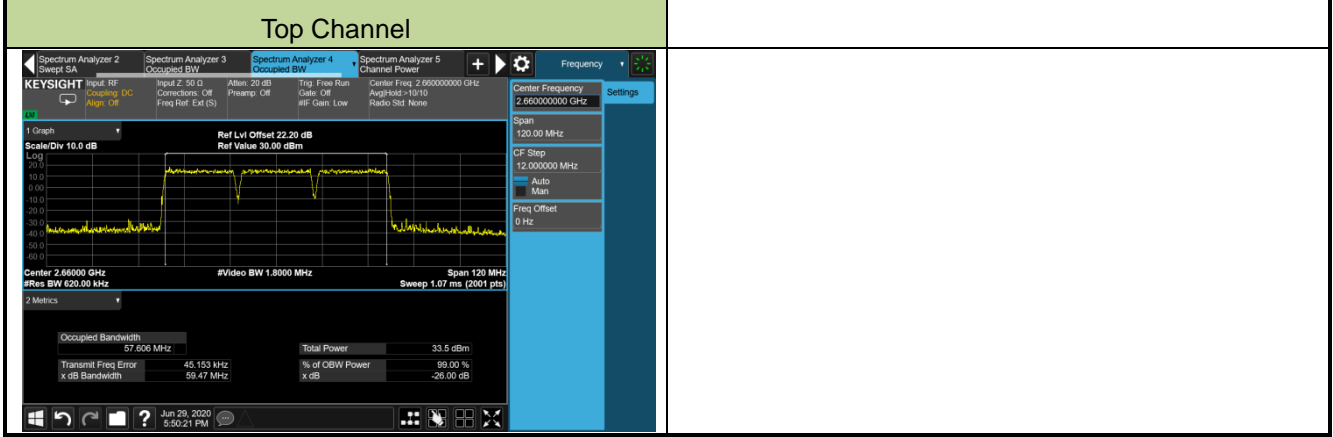
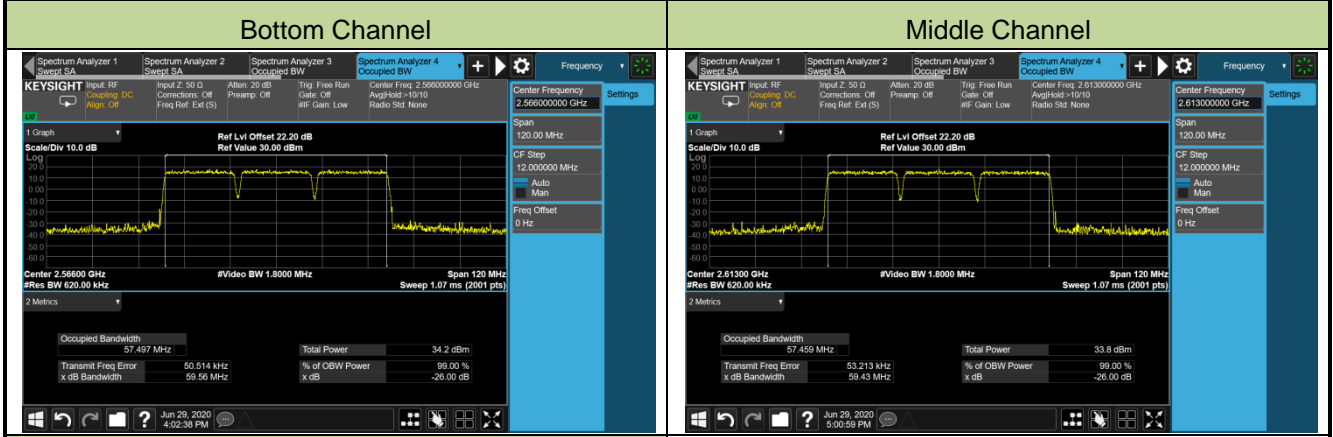
Top Channel



LTE Emission Bandwidth - 64QAM



LTE Emission Bandwidth - 256QAM

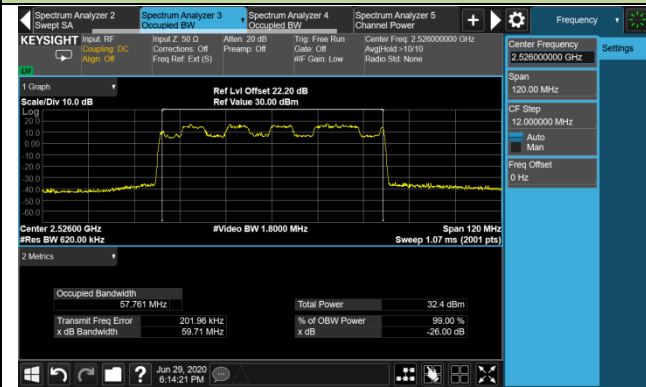


Product	AirScale Indoor Radio ASiR 5G-pRRH	Test Engineer	Kevin Ker
Test Site	SR2	Test Date	2020/06/30
Test Configuration	5G NR 60MHz + LTE 20MHz		
Test Channel	Bottom Channel: 5G NR 2526MHz, LTE 2566MHz Middle Channel: 5G NR 2583MHz, LTE 2623MHz Top Channel: 5G NR 2640MHz, LTE 2680MHz		

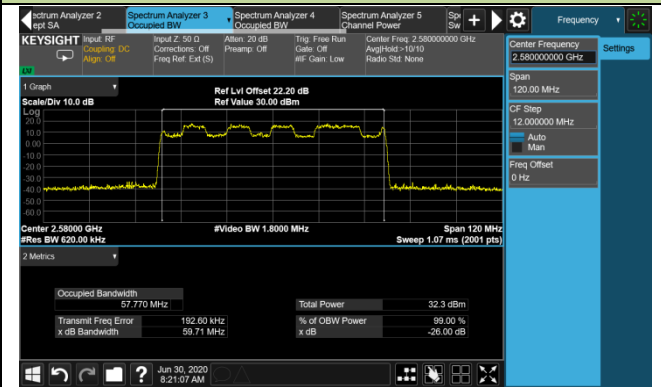
Modulation	Frequency (MHz)	Bandwidth (MHz)	26dB Bandwidth (MHz)		Total 26dB Bandwidth (MHz)	99% Bandwidth (MHz)		Total 99% Bandwidth (MHz)
			5G NR	LTE		5G NR	LTE	
Ant 0 / Ant 0+1 (5G NR) + Ant 3 / Ant 2+3 (LTE)								
QPSK	Bottom	60+20	59.71	18.74	78.45	57.76	17.86	75.62
	Middle	60+20	59.71	18.88	78.59	57.77	17.90	75.67
	Top	60+20	59.82	18.87	78.69	57.84	17.90	75.74
16QAM	Bottom	60+20	59.79	18.82	78.61	57.77	17.92	75.69
	Middle	60+20	59.84	18.84	78.68	57.87	17.87	75.74
	Top	60+20	59.92	18.78	78.70	57.87	17.85	75.72
64QAM	Bottom	60+20	59.77	18.88	78.65	57.81	17.90	75.71
	Middle	60+20	59.75	18.92	78.67	57.84	17.86	75.70
	Top	60+20	59.88	19.03	78.91	57.84	17.86	75.70
256QAM	Bottom	60+20	59.85	18.96	78.81	57.62	17.83	75.45
	Middle	60+20	59.88	18.81	78.69	57.75	17.88	75.63
	Top	60+20	59.81	18.96	78.77	57.71	17.91	75.62

5G NR Emission Bandwidth - QPSK

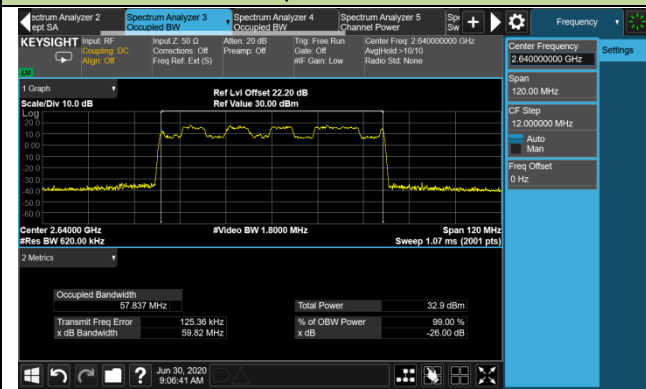
Bottom Channel



Middle Channel

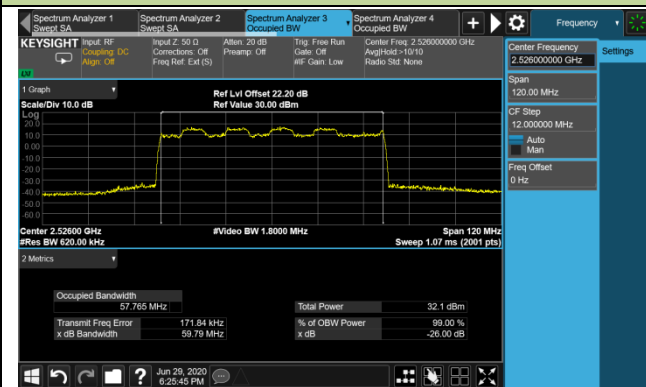


Top Channel

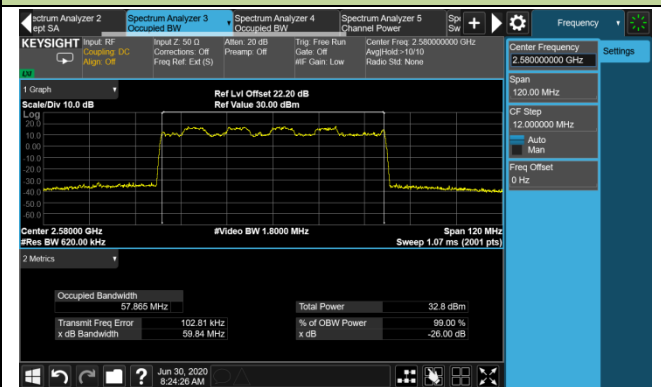


5G NR Emission Bandwidth - 16QAM

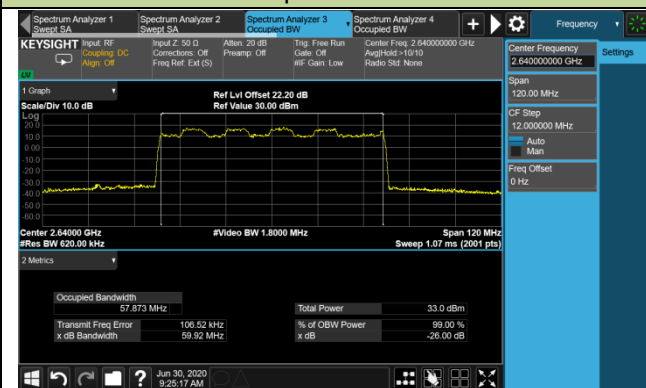
Bottom Channel



Middle Channel

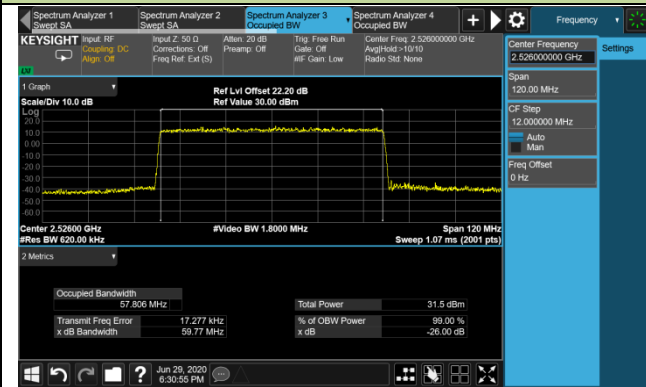


Top Channel

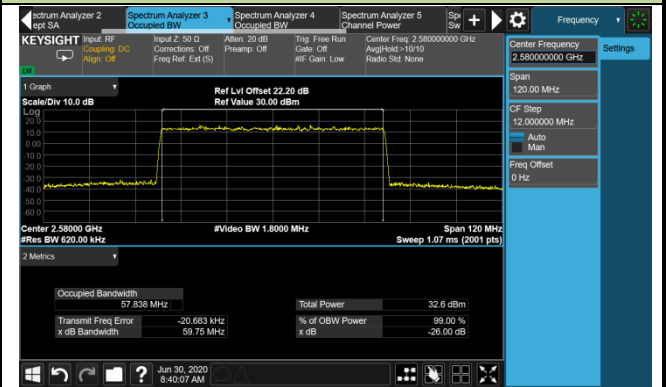


5G NR Emission Bandwidth - 64QAM

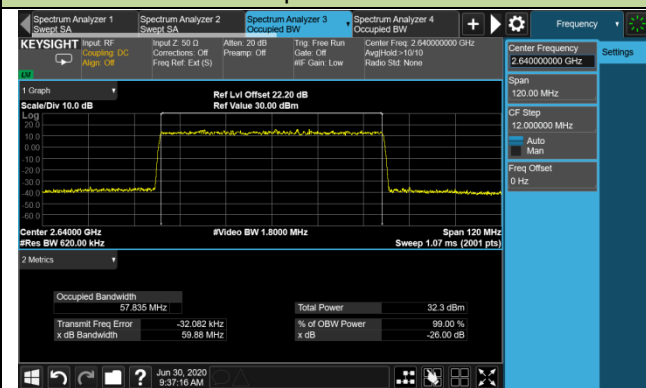
Bottom Channel



Middle Channel

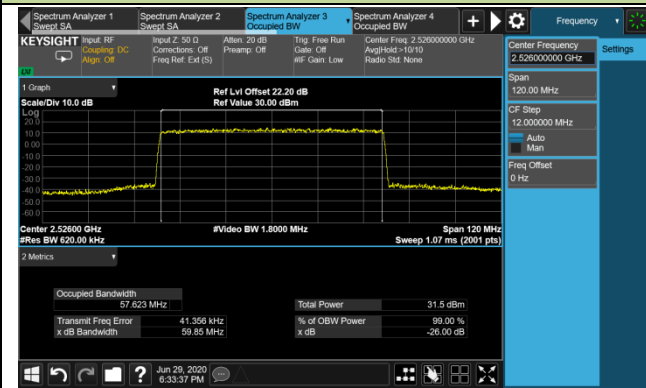


Top Channel

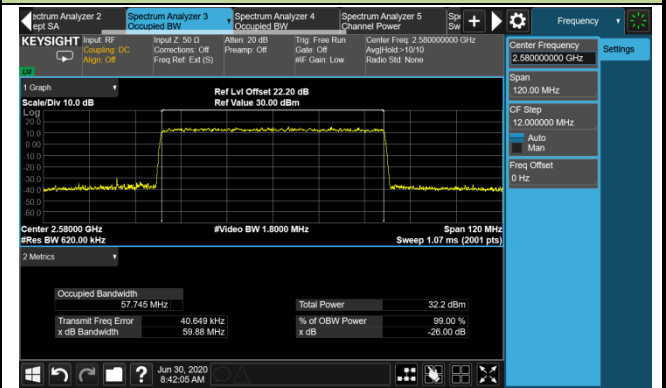


5G NR Emission Bandwidth - 256QAM

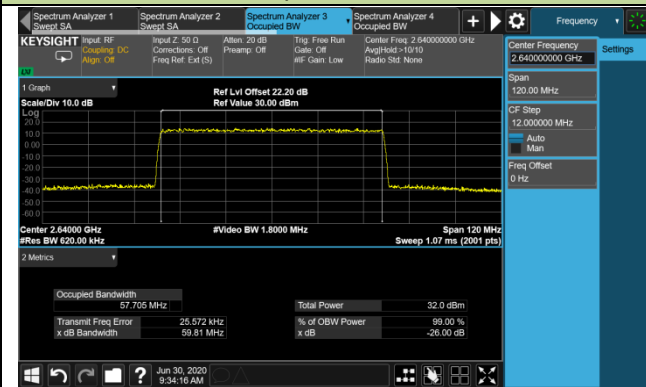
Bottom Channel



Middle Channel

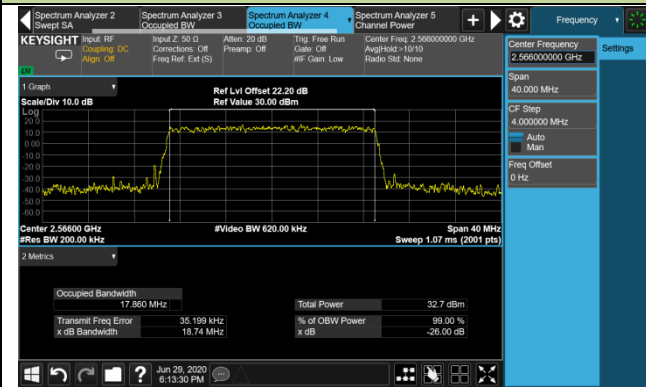


Top Channel

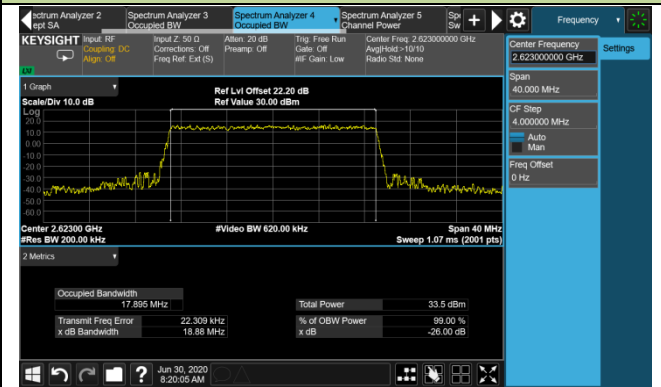


LTE Emission Bandwidth - QPSK

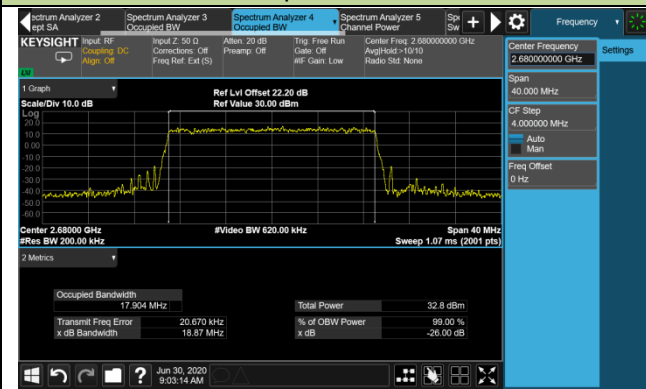
Bottom Channel



Middle Channel

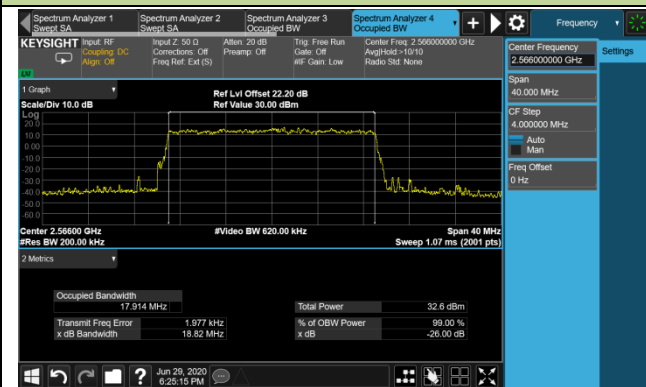


Top Channel

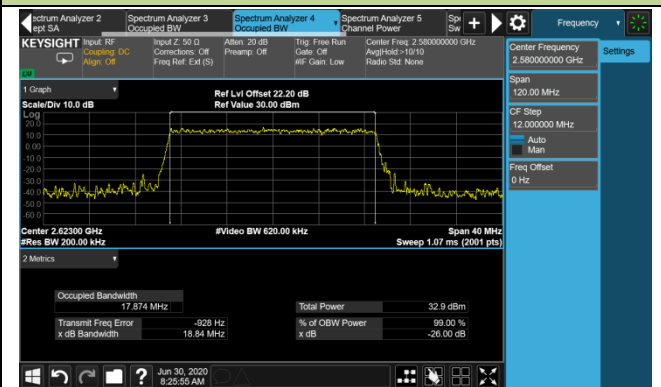


LTE Emission Bandwidth - 16QAM

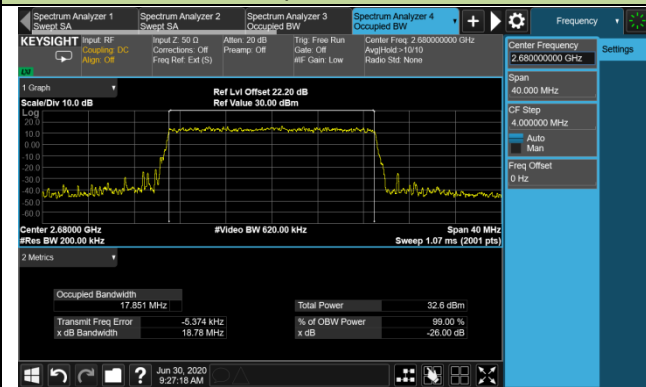
Bottom Channel



Middle Channel

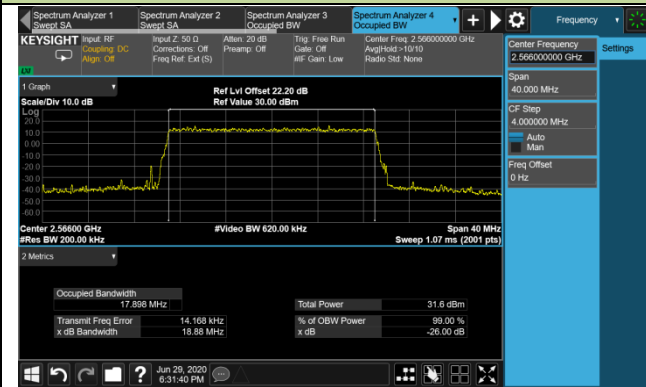


Top Channel

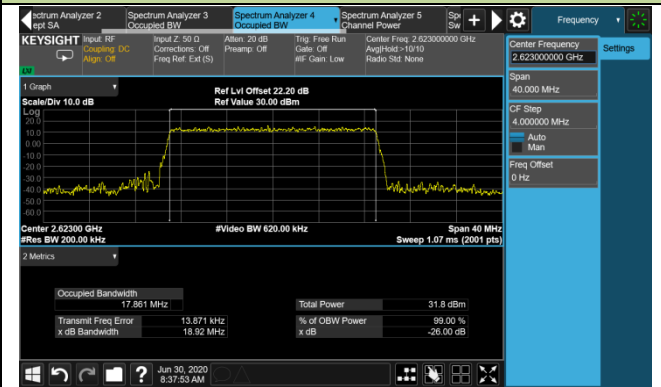


LTE Emission Bandwidth - 64QAM

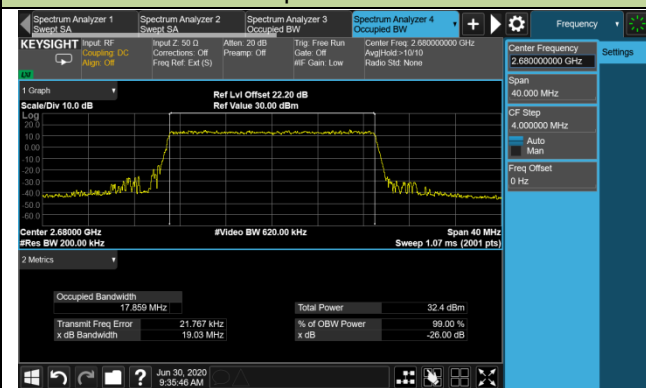
Bottom Channel



Middle Channel

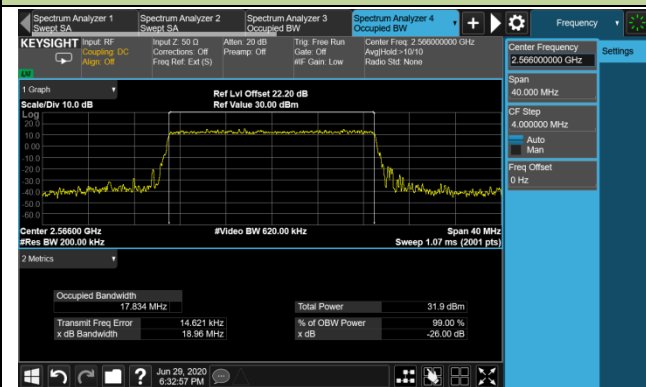


Top Channel

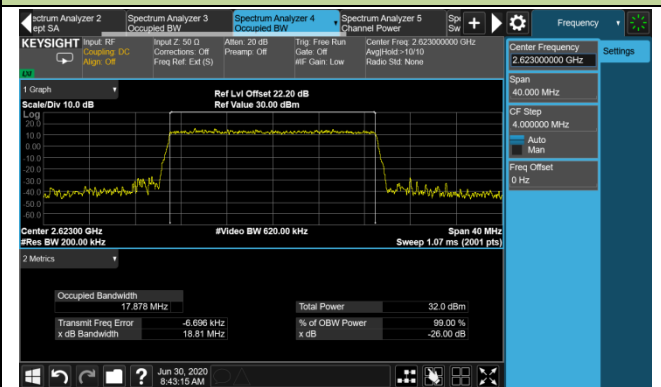


LTE Emission Bandwidth - 256QAM

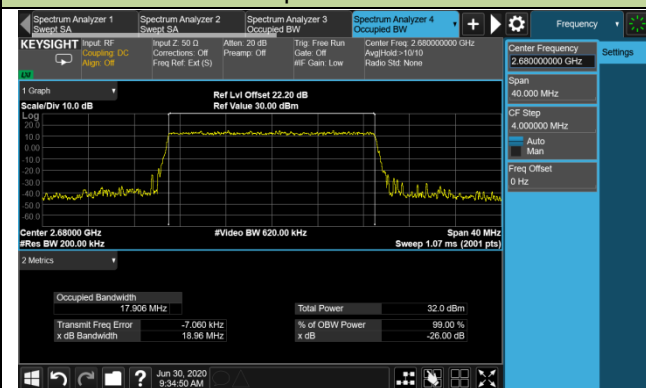
Bottom Channel



Middle Channel



Top Channel

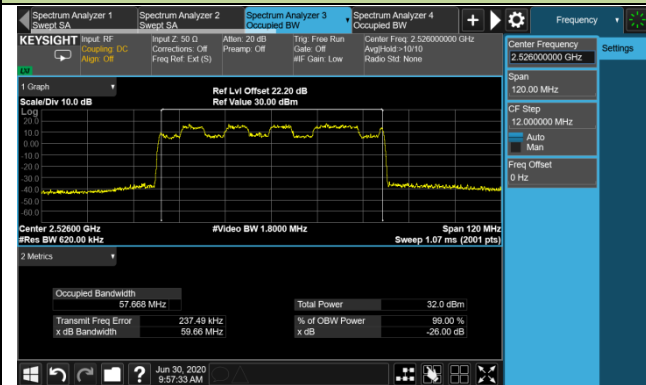


Product	AirScale Indoor Radio ASiR 5G-pRRH	Test Engineer	Kevin Ker
Test Site	SR2	Test Date	2020/07/01
Test Configuration	5G NR 60MHz + LTE 20 + 20MHz		
Test Channel	Bottom Channel: 5G NR 2526MHz, LTE 2566 + 2586MHz Middle Channel: 5G NR 2573.01MHz, LTE 2613 + 2633MHz Top Channel: 5G NR 2620.02MHz, LTE 2660 + 2680MHz		

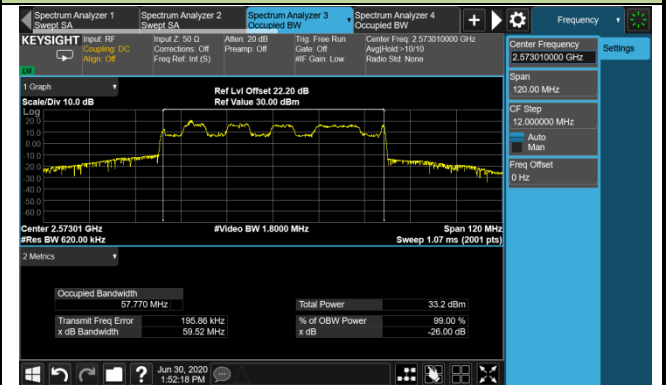
Modulation	Frequency (MHz)	Bandwidth (MHz)	26dB Bandwidth (MHz)		Total 26dB Bandwidth (MHz)	99% Bandwidth (MHz)		Total 99% Bandwidth (MHz)
			5G NR	LTE		5G NR	LTE	
Ant 0 / Ant 0+1 (5G NR) + Ant 3 / Ant 2+3 (LTE)								
QPSK	Bottom	60+40	59.66	39.26	98.92	57.57	37.90	95.47
	Middle	60+40	59.52	39.14	98.66	57.77	37.73	95.50
	Top	60+40	59.78	39.30	99.08	57.80	37.83	95.63
16QAM	Bottom	60+40	59.91	39.24	99.15	57.65	37.76	95.41
	Middle	60+40	59.82	39.14	98.96	57.73	37.75	95.48
	Top	60+40	59.81	39.16	98.97	57.83	37.68	95.51
64QAM	Bottom	60+40	59.79	39.48	99.27	57.81	37.64	95.45
	Middle	60+40	59.98	39.22	99.20	57.74	37.72	95.46
	Top	60+40	59.83	39.18	99.01	57.78	37.63	95.41
256QAM	Bottom	60+40	59.78	39.09	98.87	57.56	37.70	95.26
	Middle	60+40	73.83	39.35	113.18	58.00	37.74	95.74
	Top	60+40	59.75	39.36	99.11	57.66	37.78	95.44

5G NR Emission Bandwidth - QPSK

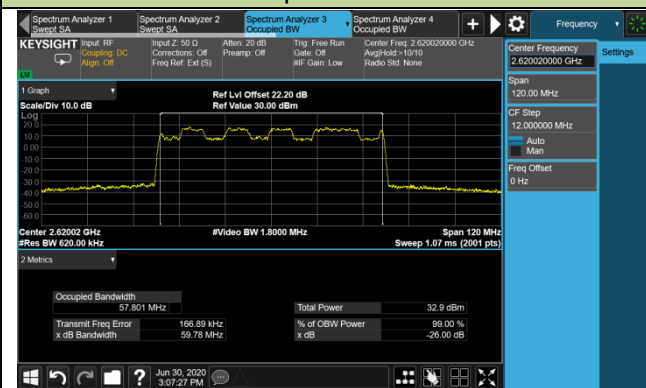
Bottom Channel



Middle Channel

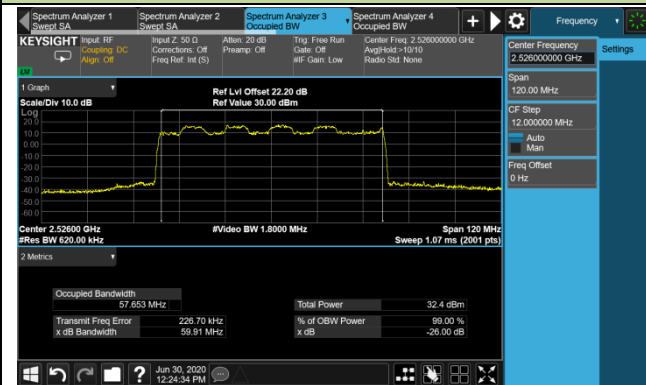


Top Channel

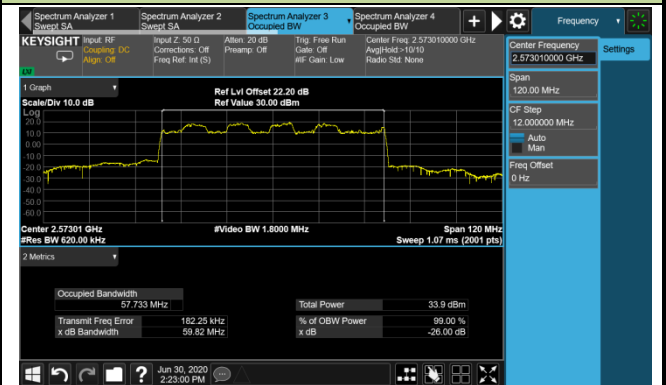


5G NR Emission Bandwidth - 16QAM

Bottom Channel



Middle Channel



Top Channel

