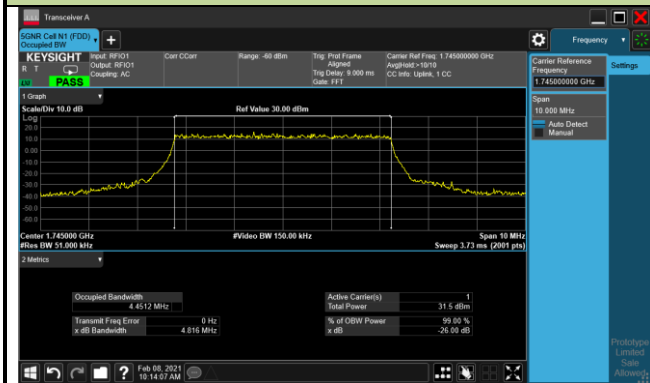


99% Bandwidth - QPSK

5MHz Channel Bandwidth



10MHz Channel Bandwidth



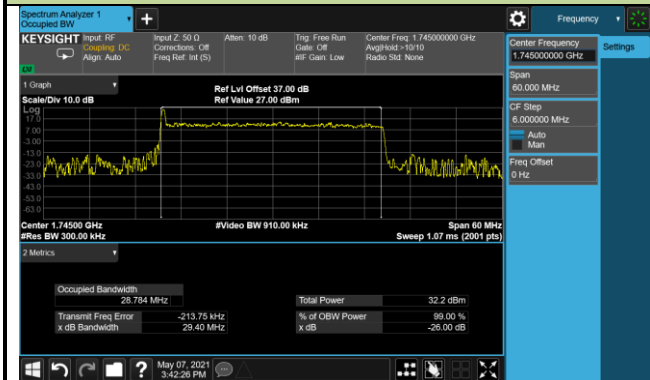
15MHz Channel Bandwidth



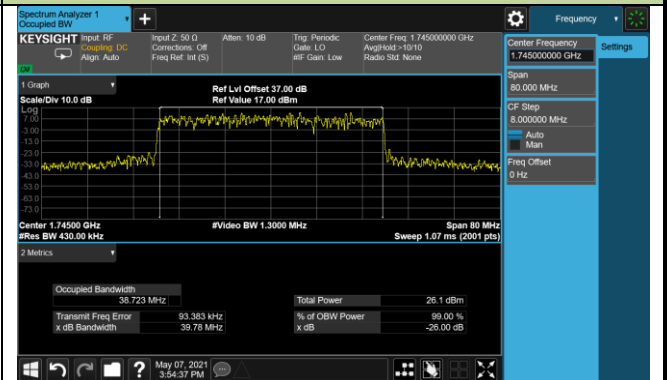
20MHz Channel Bandwidth



30MHz Channel Bandwidth



40MHz Channel Bandwidth

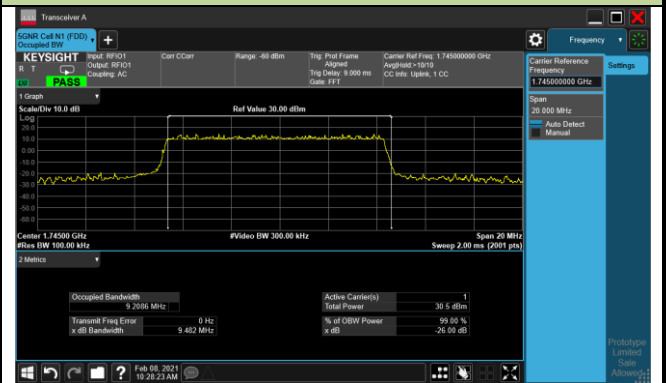


99% Bandwidth - 16QAM

5MHz Channel Bandwidth



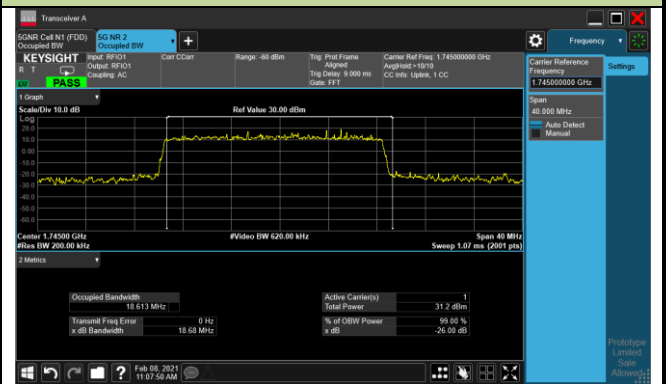
10MHz Channel Bandwidth



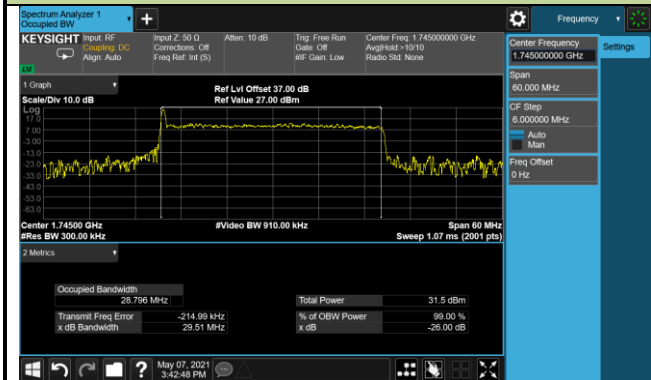
15MHz Channel Bandwidth



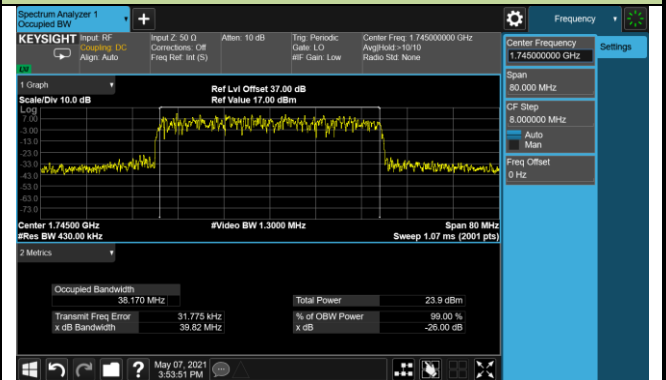
20MHz Channel Bandwidth



30MHz Channel Bandwidth

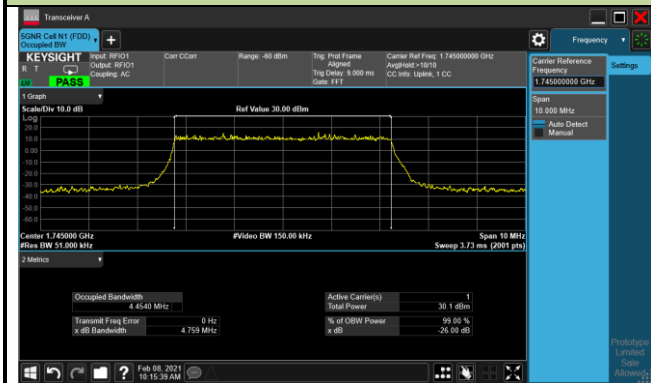


40MHz Channel Bandwidth

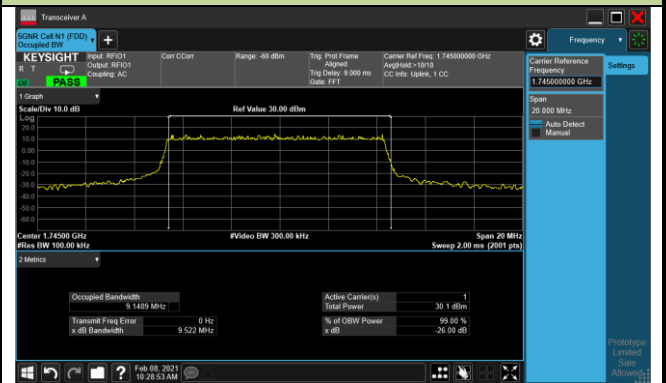


99% Bandwidth - 64QAM

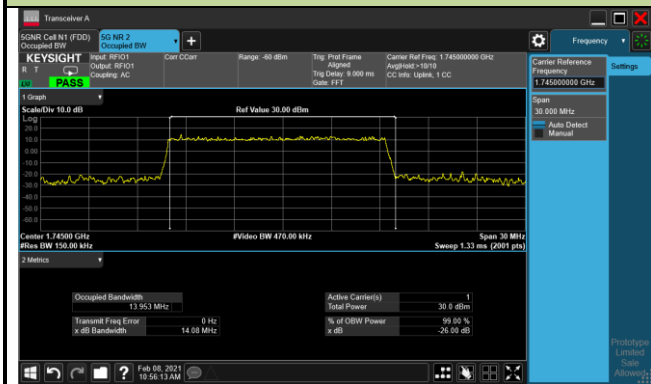
5MHz Channel Bandwidth



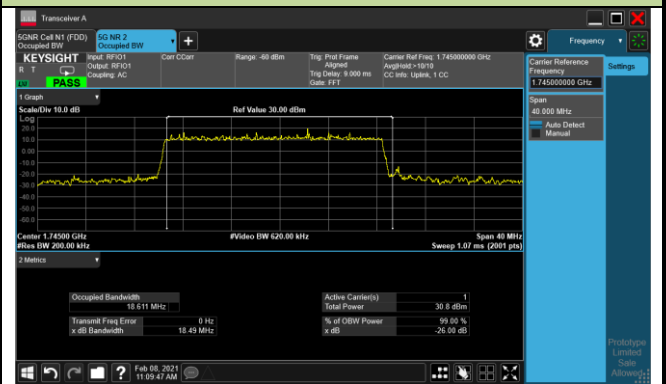
10MHz Channel Bandwidth



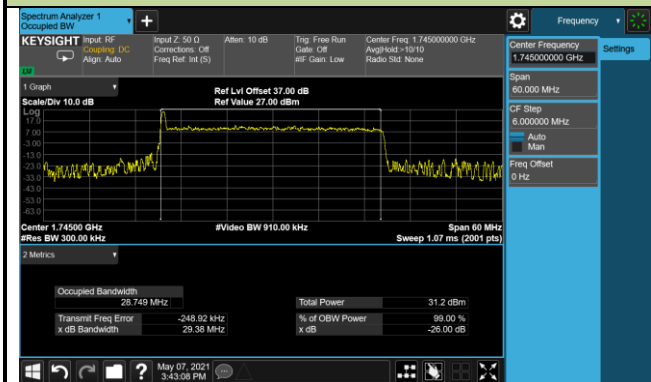
15MHz Channel Bandwidth



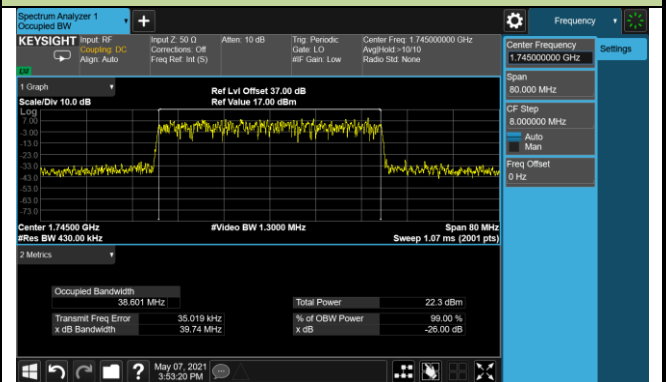
20MHz Channel Bandwidth



30MHz Channel Bandwidth



40MHz Channel Bandwidth

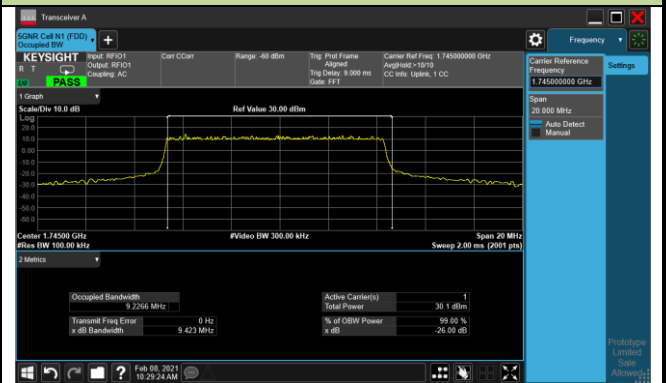


99% Bandwidth - 256QAM

5MHz Channel Bandwidth



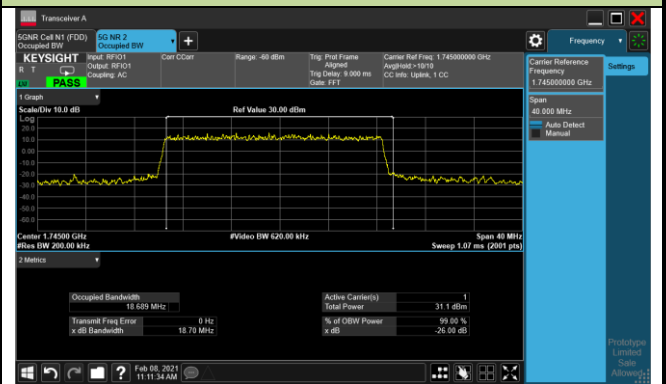
10MHz Channel Bandwidth



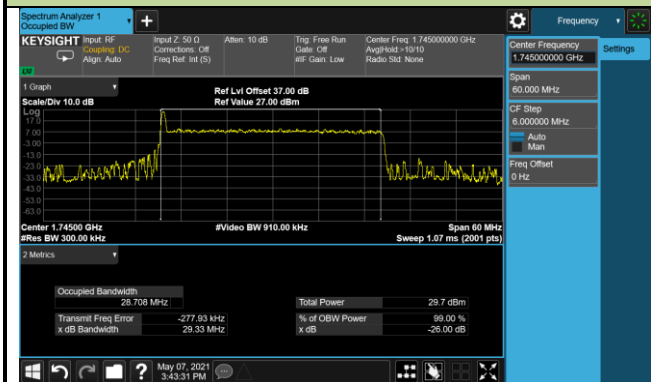
15MHz Channel Bandwidth



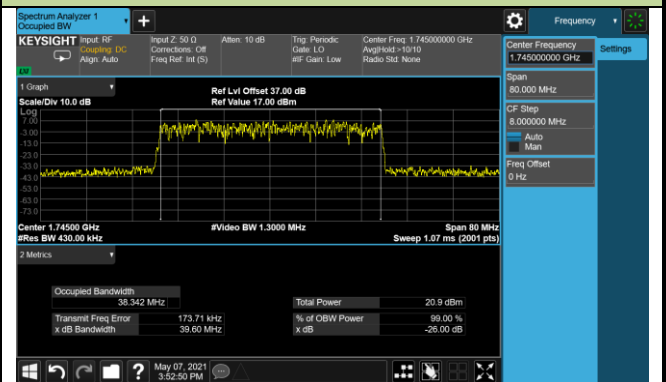
20MHz Channel Bandwidth



30MHz Channel Bandwidth



40MHz Channel Bandwidth



Product	5G Sub-6 GHz M.2 Module	Test Site	SIP-SR5
Test Engineer	Gordon Qi	Test Date	2021/02/08
Test Band	n71		

Channel	Frequency (MHz)	Bandwidth (MHz)	99% Bandwidth (MHz)
PI/2 BPSK			
136100	680.5	5	4.45
136100	680.5	10	9.21
136100	680.5	15	13.96
136100	680.5	20	18.57
QPSK			
136100	680.5	5	4.44
136100	680.5	10	9.17
136100	680.5	15	13.92
136100	680.5	20	18.54
16QAM			
136100	680.5	5	4.47
136100	680.5	10	9.21
136100	680.5	15	13.95
136100	680.5	20	18.47
64QAM			
136100	680.5	5	4.45
136100	680.5	10	9.18
136100	680.5	15	13.95
136100	680.5	20	18.54
256QAM			
136100	680.5	5	4.45
136100	680.5	10	9.23
136100	680.5	15	13.93
136100	680.5	20	18.53

99% Bandwidth - PI/2 BPSK

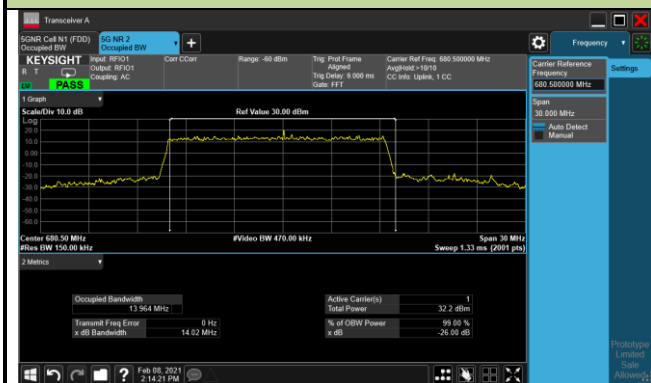
5MHz Channel Bandwidth



10MHz Channel Bandwidth



15MHz Channel Bandwidth



20MHz Channel Bandwidth



99% Bandwidth - QPSK

5MHz Channel Bandwidth



10MHz Channel Bandwidth



15MHz Channel Bandwidth

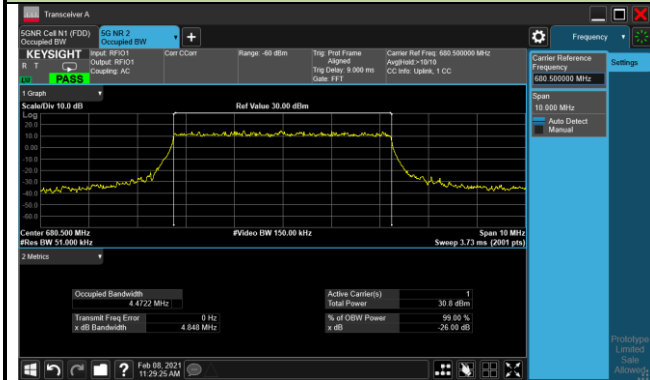


20MHz Channel Bandwidth



99% Bandwidth - 16QAM

5MHz Channel Bandwidth



10MHz Channel Bandwidth



15MHz Channel Bandwidth

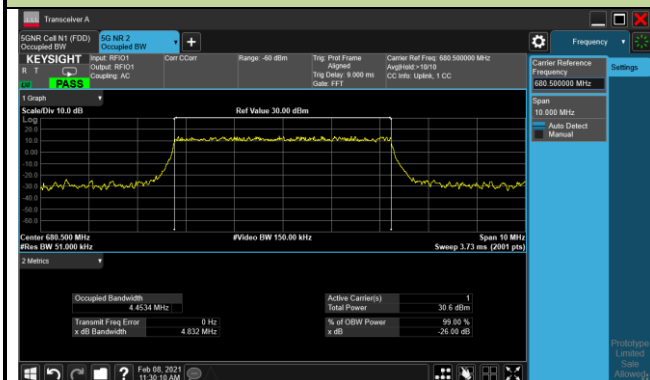


20MHz Channel Bandwidth

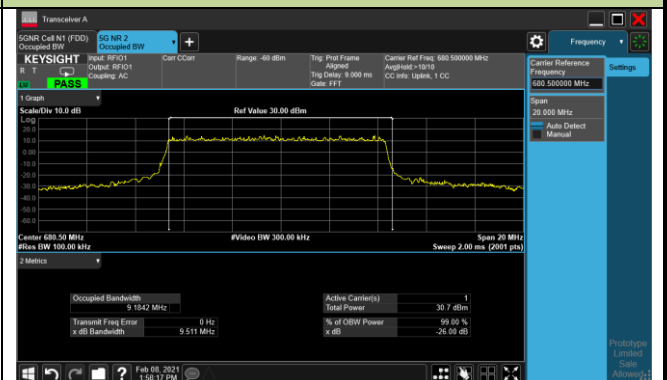


99% Bandwidth - 64QAM

5MHz Channel Bandwidth



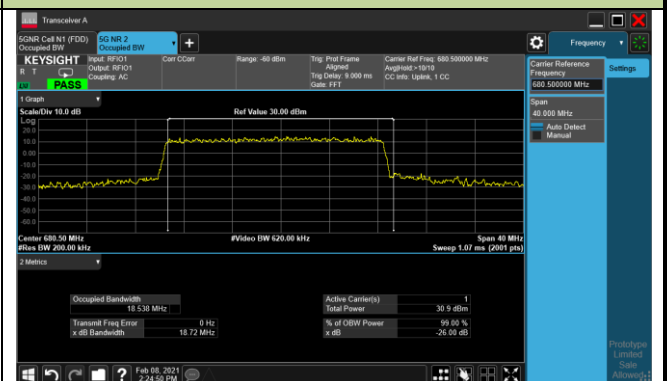
10MHz Channel Bandwidth

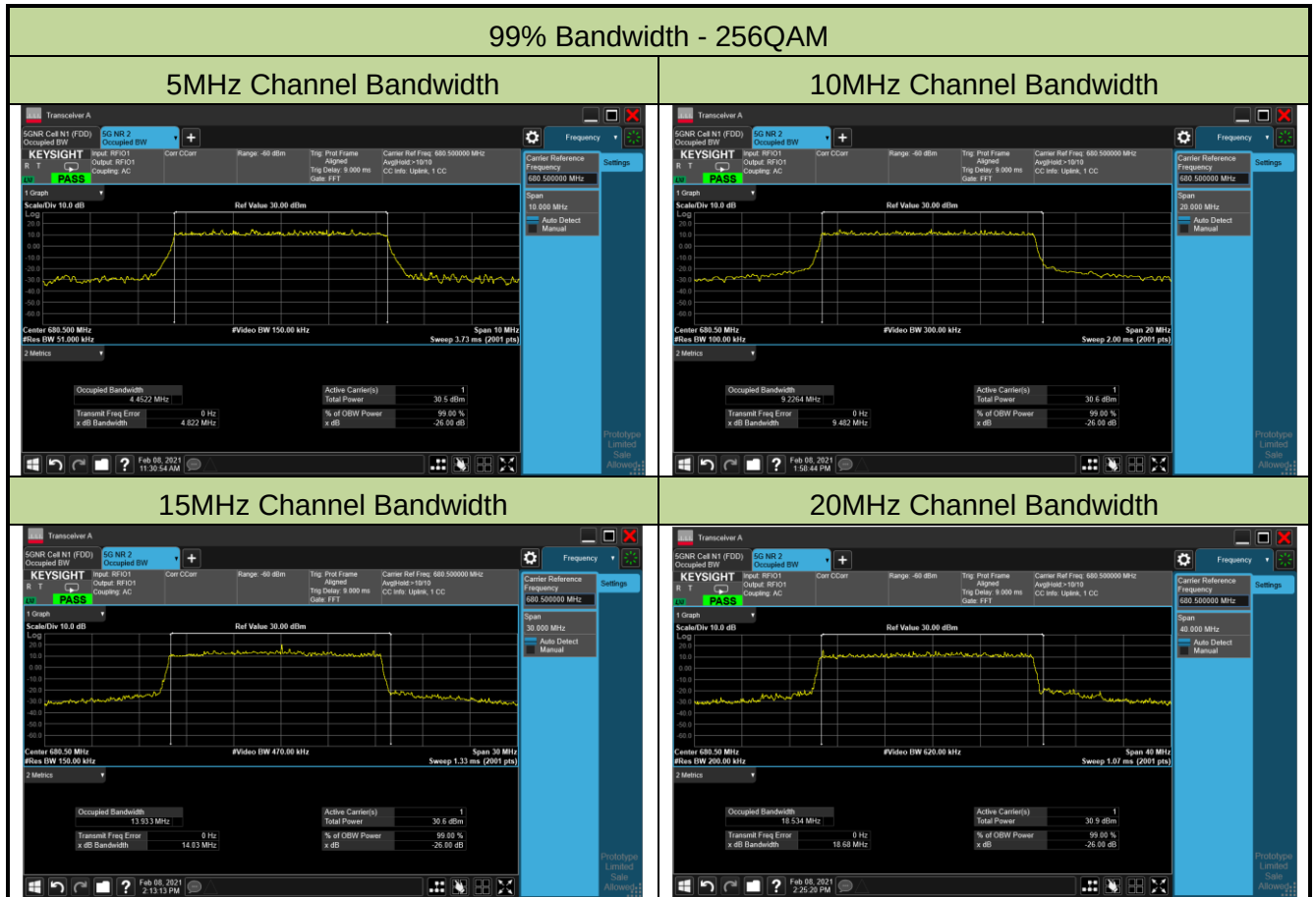


15MHz Channel Bandwidth



20MHz Channel Bandwidth





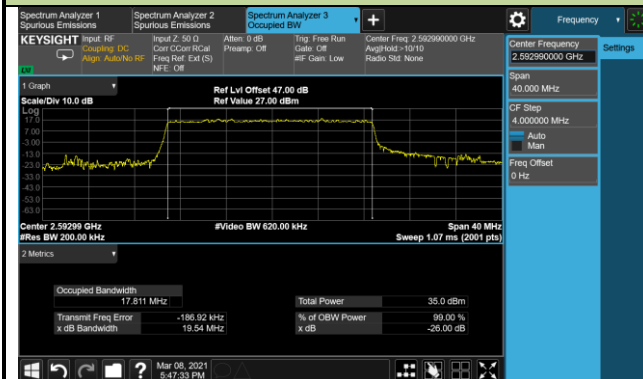
Product	5G Sub-6 GHz M.2 Module	Test Site	SIP-SR5
Test Engineer	Gordon Qi	Test Date	2021/03/08
Test Band	n41_HPUE		

Channel	Frequency (MHz)	Bandwidth (MHz)	99% Bandwidth (MHz)
PI/2 BPSK			
518598	2592.99	20	17.81
518598	2592.99	30	26.75
518598	2592.99	40	35.65
518598	2592.99	50	45.57
518598	2592.99	60	57.71
518598	2592.99	80	76.89
518598	2592.99	90	86.63
518598	2592.99	100	96.23
QPSK			
518598	2592.99	20	17.82
518598	2592.99	30	26.78
518598	2592.99	40	35.65
518598	2592.99	50	45.77
518598	2592.99	60	57.73
518598	2592.99	80	76.81
518598	2592.99	90	86.50
518598	2592.99	100	96.19
16QAM			
518598	2592.99	20	17.89
518598	2592.99	30	26.80
518598	2592.99	40	35.66
518598	2592.99	50	45.70
518598	2592.99	60	57.63
518598	2592.99	80	76.91
518598	2592.99	90	86.64
518598	2592.99	100	96.21

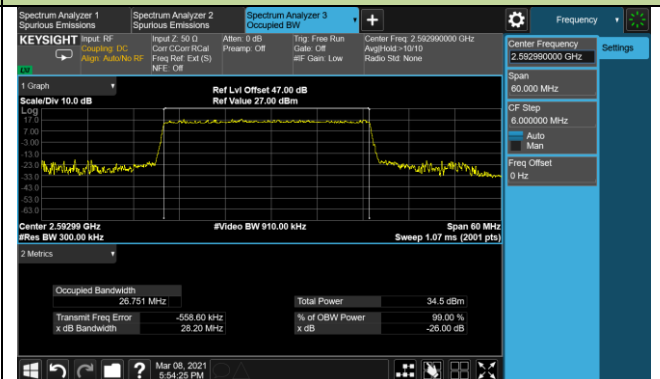
64QAM			
518598	2592.99	20	17.89
518598	2592.99	30	26.76
518598	2592.99	40	35.62
518598	2592.99	50	45.61
518598	2592.99	60	57.65
518598	2592.99	80	76.80
518598	2592.99	90	86.59
518598	2592.99	100	95.93
256QAM			
518598	2592.99	20	17.85
518598	2592.99	30	26.79
518598	2592.99	40	35.76
518598	2592.99	50	45.58
518598	2592.99	60	57.68
518598	2592.99	80	76.84
518598	2592.99	90	86.53
518598	2592.99	100	95.87

99% Bandwidth - PI/2 BPSK

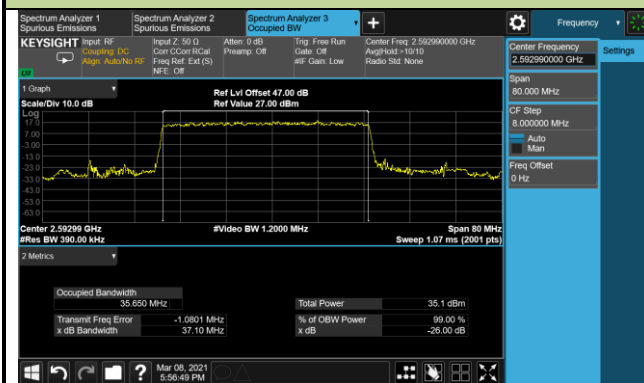
20MHz Channel Bandwidth



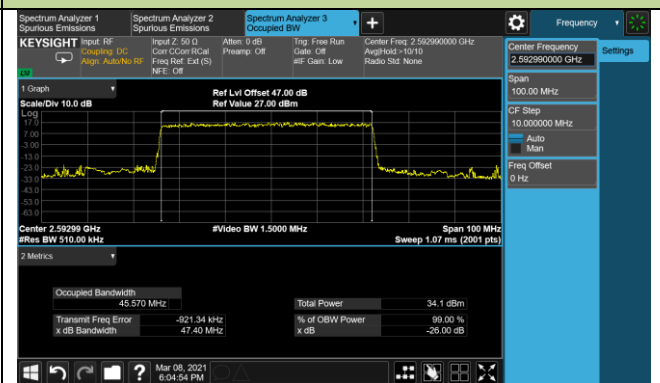
30MHz Channel Bandwidth



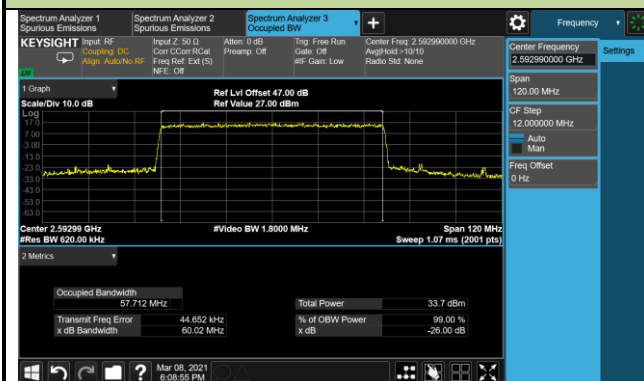
40MHz Channel Bandwidth



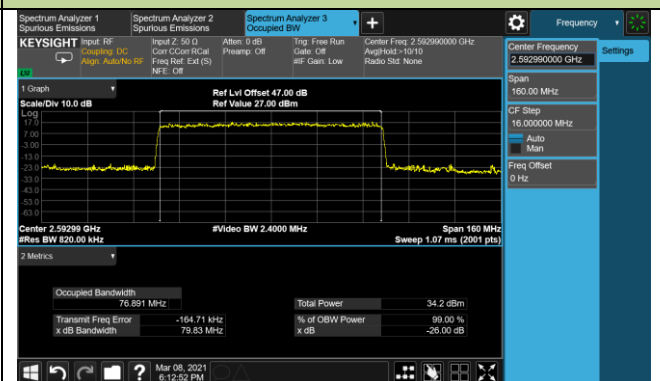
50MHz Channel Bandwidth



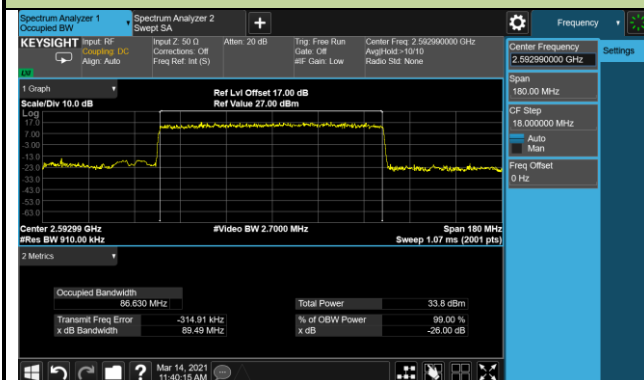
60MHz Channel Bandwidth



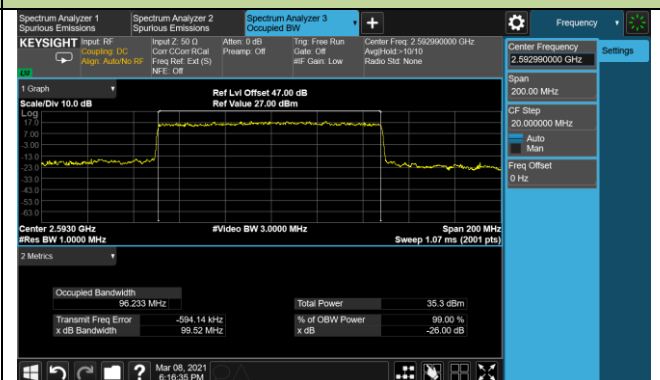
80MHz Channel Bandwidth



90MHz Channel Bandwidth

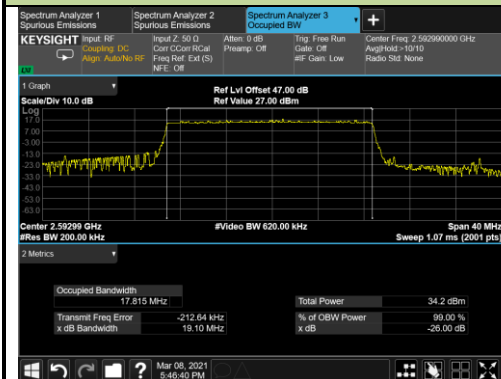


100MHz Channel Bandwidth

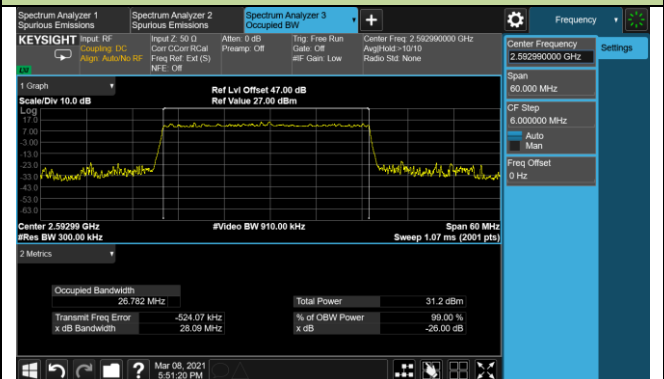


99% Bandwidth - QPSK

20MHz Channel Bandwidth



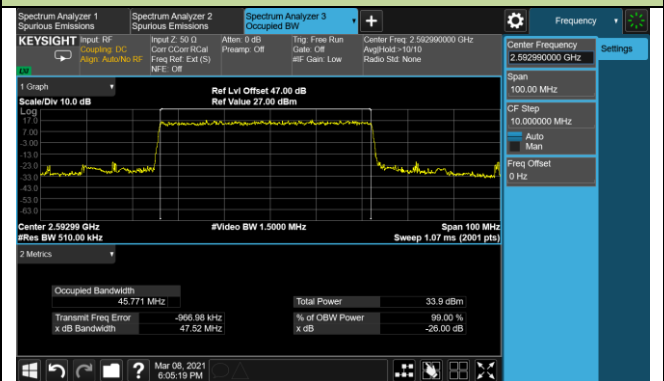
30MHz Channel Bandwidth



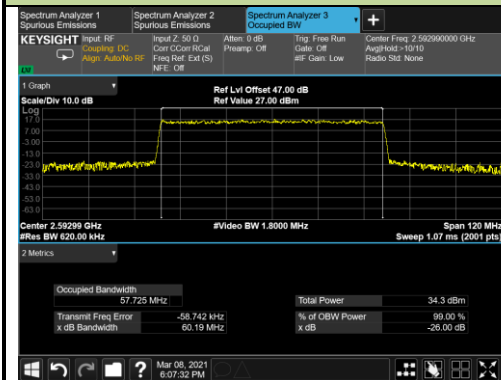
40MHz Channel Bandwidth



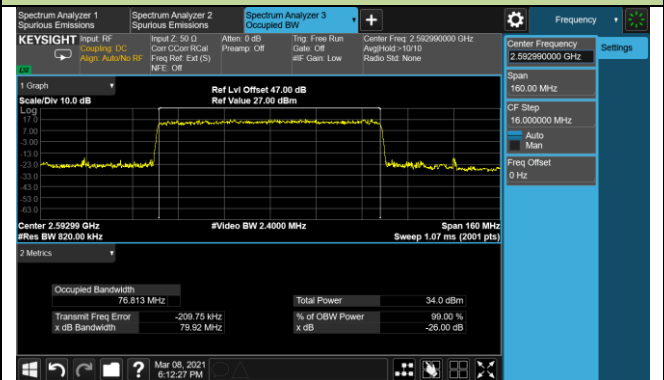
50MHz Channel Bandwidth



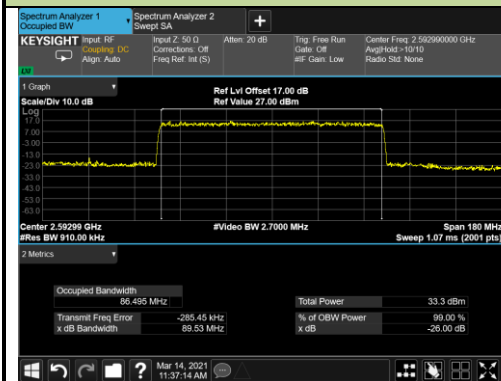
60MHz Channel Bandwidth



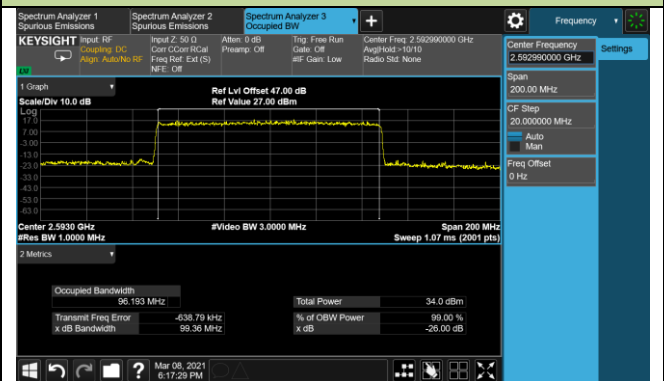
80MHz Channel Bandwidth



90MHz Channel Bandwidth

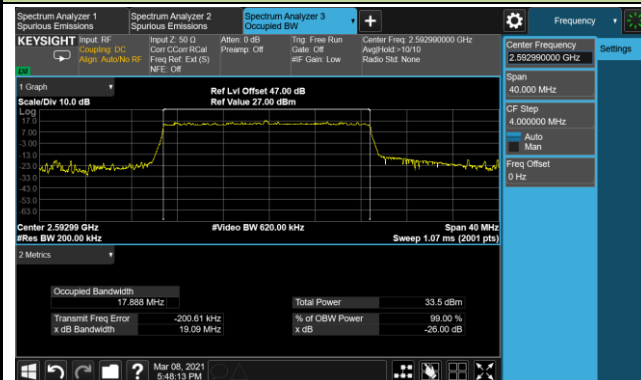


100MHz Channel Bandwidth

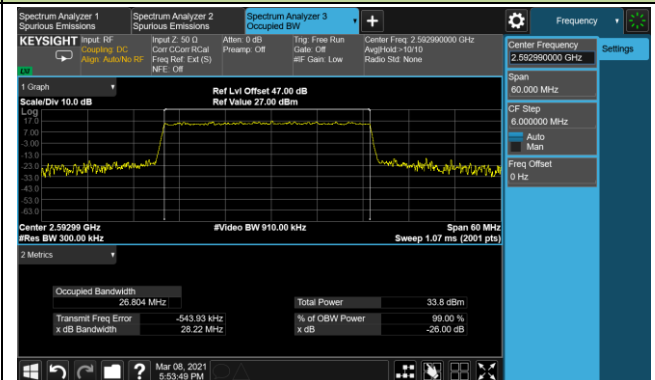


99% Bandwidth - 16QAM

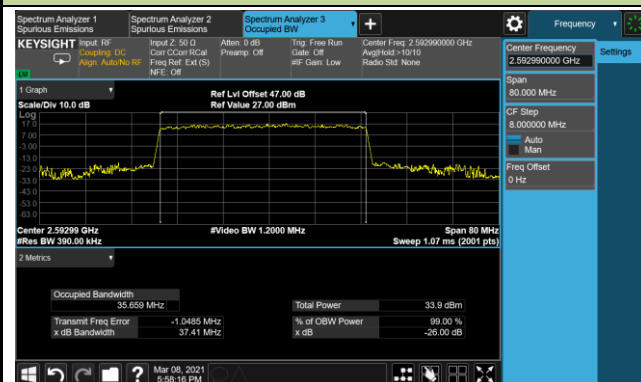
20MHz Channel Bandwidth



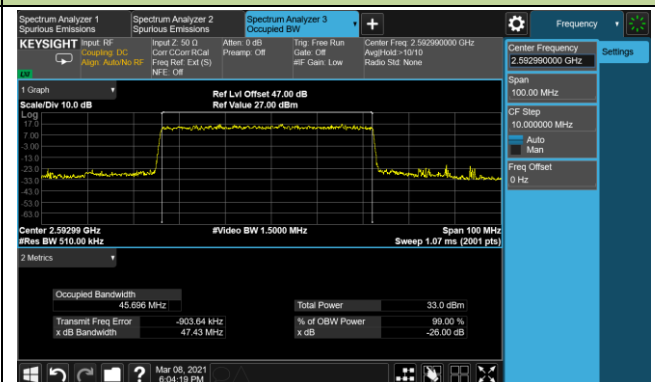
30MHz Channel Bandwidth



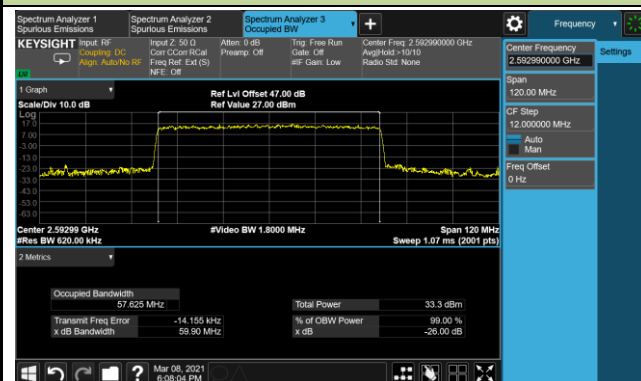
40MHz Channel Bandwidth



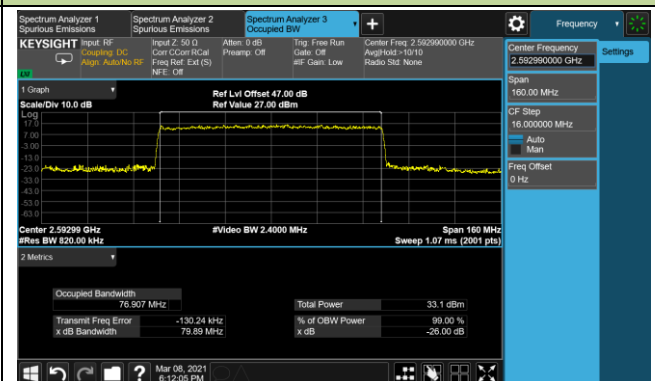
50MHz Channel Bandwidth



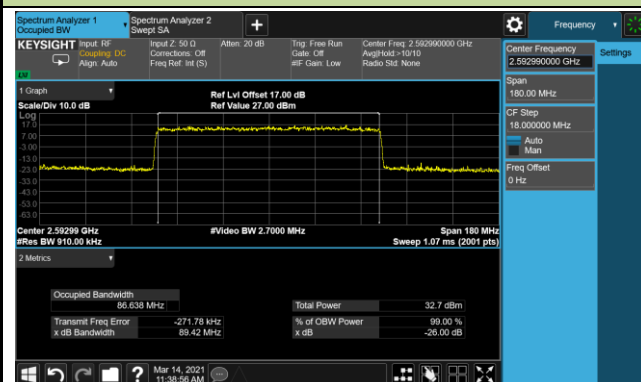
60MHz Channel Bandwidth



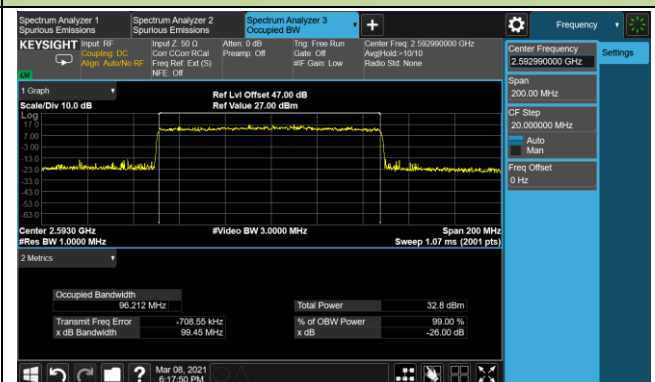
80MHz Channel Bandwidth



90MHz Channel Bandwidth

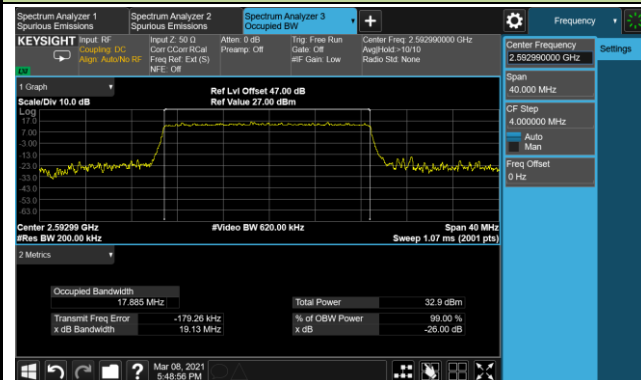


100MHz Channel Bandwidth

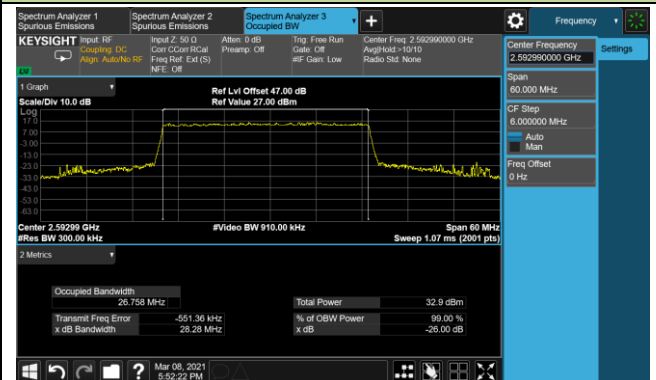


99% Bandwidth - 64QAM

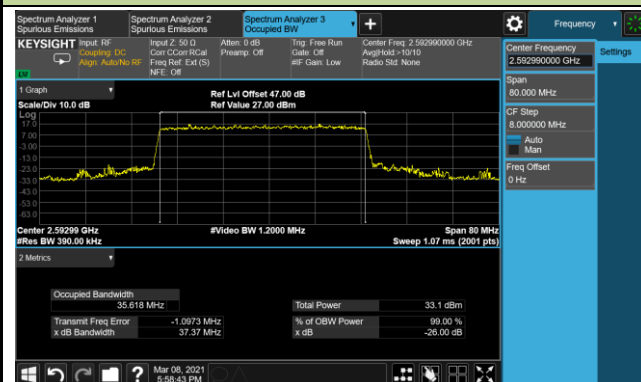
20MHz Channel Bandwidth



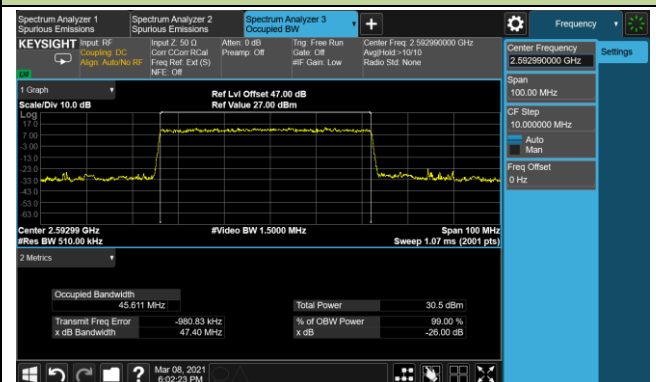
30MHz Channel Bandwidth



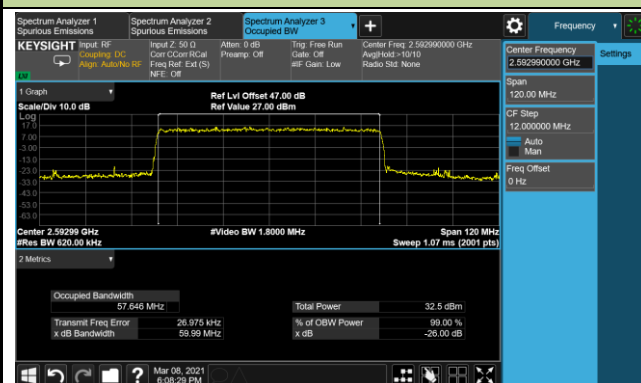
40MHz Channel Bandwidth



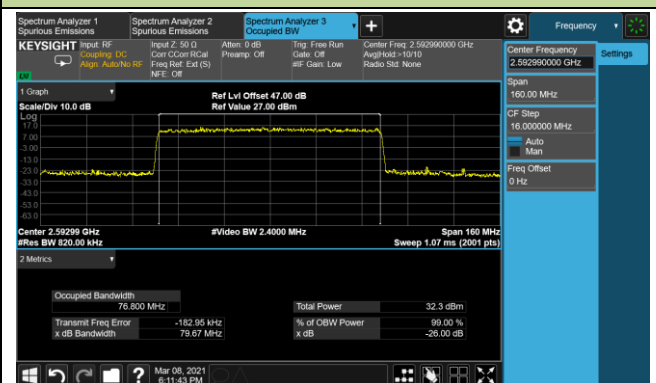
50MHz Channel Bandwidth



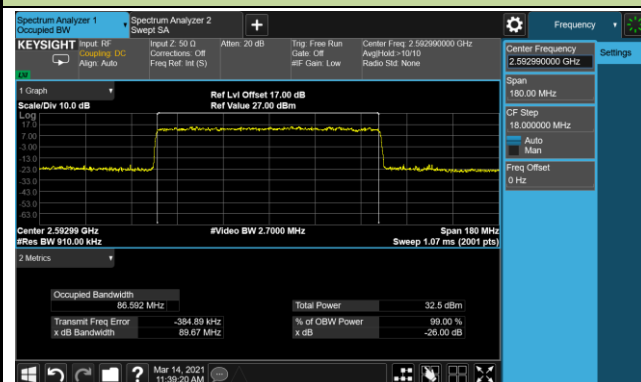
60MHz Channel Bandwidth



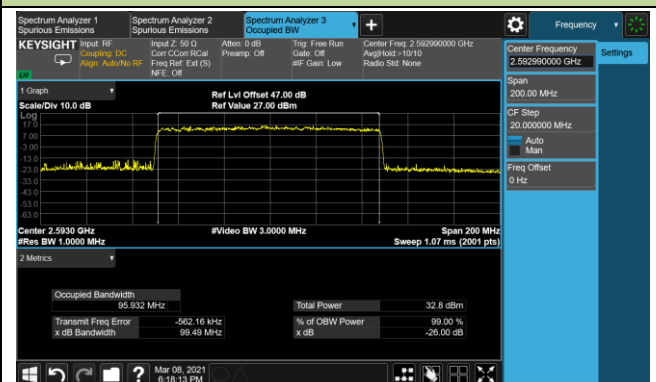
80MHz Channel Bandwidth



90MHz Channel Bandwidth

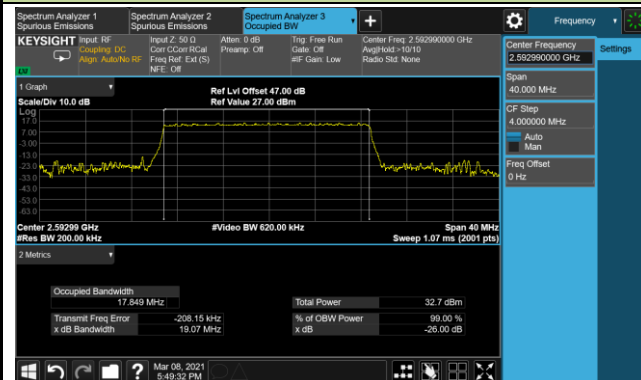


100MHz Channel Bandwidth

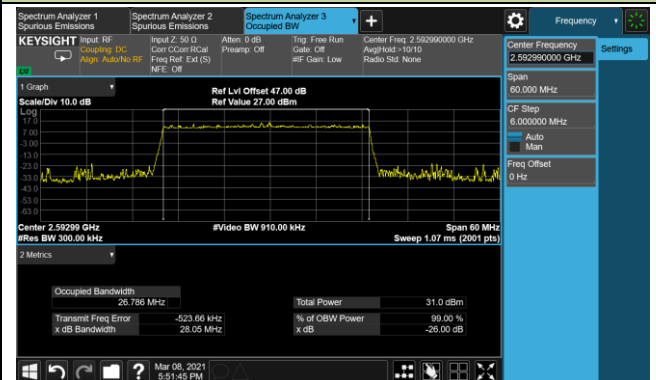


99% Bandwidth - 256QAM

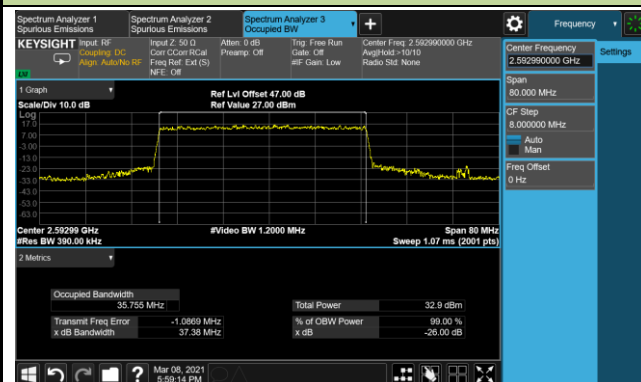
20MHz Channel Bandwidth



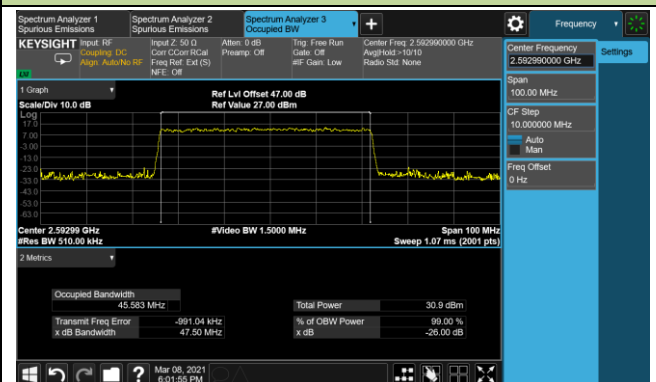
30MHz Channel Bandwidth



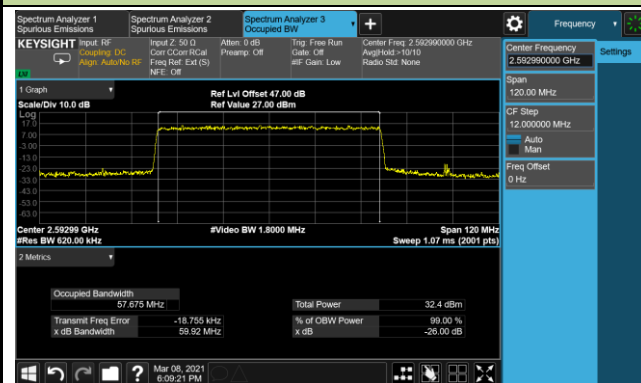
40MHz Channel Bandwidth



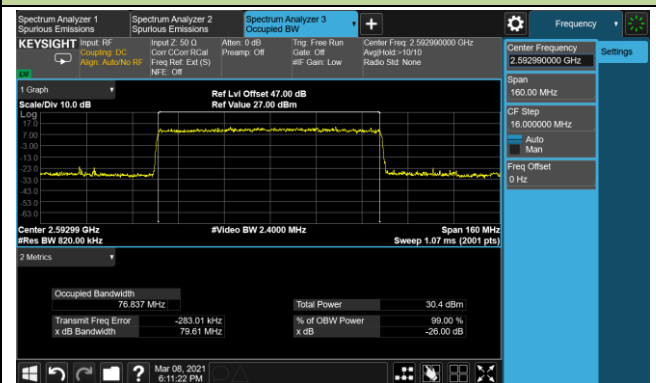
50MHz Channel Bandwidth



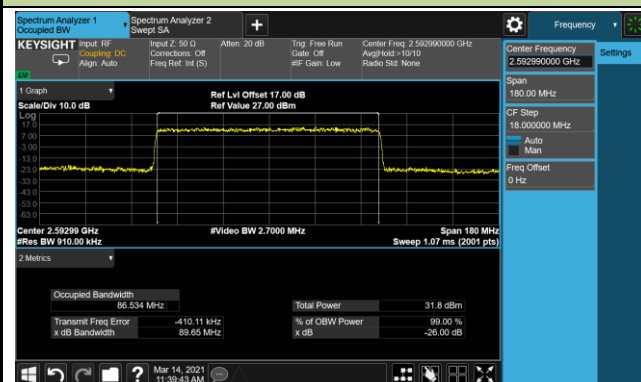
60MHz Channel Bandwidth



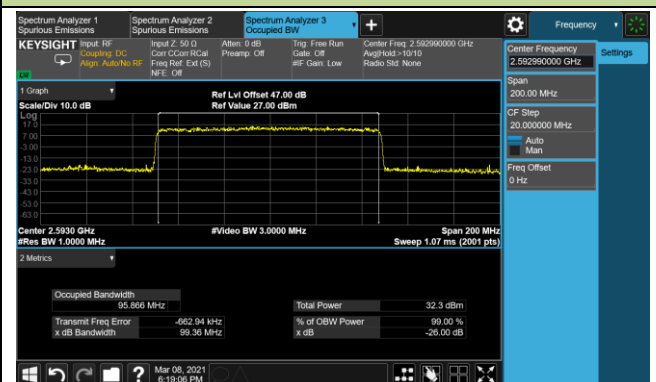
80MHz Channel Bandwidth



90MHz Channel Bandwidth



100MHz Channel Bandwidth



Product	5G Sub-6 GHz M.2 Module	Test Site	SIP-SR5
Test Engineer	Gordon Qi	Test Date	2021/03/07
Test Band	n77_HPUE		

Channel	Frequency (MHz)	Bandwidth (MHz)	99% Bandwidth (MHz)
PI/2 BPSK			
656000	3864.99	20	18.00
656000	3864.99	40	35.67
656000	3864.99	50	45.63
656000	3864.99	60	57.84
656000	3864.99	80	76.88
656000	3864.99	90	86.68
656000	3864.99	100	96.12
QPSK			
656000	3864.99	20	18.56
656000	3864.99	40	35.61
656000	3864.99	50	45.67
656000	3864.99	60	57.82
656000	3864.99	80	76.90
656000	3864.99	90	86.74
656000	3864.99	100	96.17
16QAM			
656000	3864.99	20	17.84
656000	3864.99	40	35.71
656000	3864.99	50	45.69
656000	3864.99	60	57.73
656000	3864.99	80	76.93
656000	3864.99	90	86.78
656000	3864.99	100	96.23

64QAM			
656000	3864.99	20	17.86
656000	3864.99	40	35.67
656000	3864.99	50	45.76
656000	3864.99	60	57.76
656000	3864.99	80	76.99
656000	3864.99	90	86.77
656000	3864.99	100	96.24
256QAM			
656000	3864.99	20	17.82
656000	3864.99	40	35.77
656000	3864.99	50	45.62
656000	3864.99	60	57.74
656000	3864.99	80	76.92
656000	3864.99	90	86.55
656000	3864.99	100	96.06