

Appendix C: 26dB Bandwidth and 99%Occupied Bandwidth

Test Result

EUT Mode	Channel Bandwidth	Channel	RB Configure		99% Occupy bandwidth (MHz)	-26dB bandwidth (MHz)
			RB Size	RB Offset		
LTE Band 2 (QPSK)	1.4MHz	Low range	6	0	1.0779	1.238
		Mid range	6	0	1.0820	1.217
		High range	6	0	1.0765	1.223
	3MHz	Low range	15	0	2.6972	2.935
		Mid range	15	0	2.6871	2.941
		High range	15	0	2.6856	2.930
	5MHz	Low range	25	0	4.5080	5.020
		Mid range	25	0	4.5111	4.970
		High range	25	0	4.5277	5.020
	10MHz	Low range	50	0	8.9486	9.761
		Mid range	50	0	8.9249	9.699
		High range	50	0	8.9367	8.691
	15MHz	Low range	75	0	13.369	14.48
		Mid range	75	0	13.361	14.34
		High range	75	0	13.391	14.41
	20MHz	Low range	100	0	17.854	19.15
		Mid range	100	0	17.862	19.27
		High range	100	0	17.817	19.15

EUT Mode	Channel Bandwidth	Channel	RB Configure		99% Occupy bandwidth (MHz)	-26dB bandwidth (MHz)
			RB Size	RB Offset		
LTE Band 2 (16QAM)	1.4MHz	Low range	6	0	1.0828	1.243
		Mid range	6	0	1.0832	1.265
		High range	6	0	1.0801	1.242
	3MHz	Low range	15	0	2.6833	2.945
		Mid range	15	0	2.6920	2.923
		High range	15	0	2.6882	2.938
	5MHz	Low range	25	0	4.4778	4.914
		Mid range	25	0	4.4619	4.882
		High range	25	0	4.4577	4.920
	10MHz	Low range	50	0	8.9511	9.706
		Mid range	50	0	9.9393	9.660
		High range	50	0	8.9343	9.608
	15MHz	Low range	75	0	13.371	14.37
		Mid range	75	0	13.389	14.41
		High range	75	0	13.389	14.49
	20MHz	Low range	100	0	17.836	18.97
		Mid range	100	0	17.849	19.01
		High range	100	0	17.841	19.11

EUT Mode	Channel Bandwidth	Channel	RB Configure		99% Occupy bandwidth (MHz)	-26dB bandwidth (MHz)
			RB Size	RB Offset		
LTE Band 4 (QPSK)	1.4MHz	Low range	6	0	1.0768	1.213
		Mid range	6	0	1.0771	1.237
		High range	6	0	1.0789	1.228
	3MHz	Low range	15	0	2.6840	2.942
		Mid range	15	0	2.6881	2.932
		High range	15	0	2.6879	2.948
	5MHz	Low range	25	0	4.5142	4.966
		Mid range	25	0	4.5138	4.972
		High range	25	0	4.5343	5.011
	10MHz	Low range	50	0	8.9335	9.772
		Mid range	50	0	8.9280	9.685
		High range	50	0	8.9397	9.740
	15MHz	Low range	75	0	13.381	14.38
		Mid range	75	0	13.382	14.39
		High range	75	0	13.354	14.42
	20MHz	Low range	100	0	17.870	19.28
		Mid range	100	0	17.826	19.20
		High range	100	0	17.877	19.30

EUT Mode	Channel Bandwidth	Channel	RB Configure		99% Occupy bandwidth (MHz)	-26dB bandwidth (MHz)
			RB Size	RB Offset		
LTE Band 4 (16QAM)	1.4MHz	Low range	6	0	1.0827	1.271
		Mid range	6	0	1.0810	1.235
		High range	6	0	1.0812	1.253
	3MHz	Low range	15	0	2.6857	2.918
		Mid range	15	0	2.6934	2.919
		High range	15	0	2.6851	2.941
	5MHz	Low range	25	0	4.4798	4.930
		Mid range	25	0	4.4641	4.870
		High range	25	0	4.4567	4.875
	10MHz	Low range	50	0	8.9403	9.746
		Mid range	50	0	8.9267	9.628
		High range	50	0	8.9366	9.658
	15MHz	Low range	75	0	13.384	14.35
		Mid range	75	0	13.370	14.28
		High range	75	0	13.395	14.34
	20MHz	Low range	100	0	17.820	19.06
		Mid range	100	0	17.820	19.06
		High range	100	0	17.822	19.25

EUT Mode	Channel Bandwidth	Channel	RB Configure		99% Occupy bandwidth (MHz)	-26dB bandwidth (MHz)
			RB Size	RB Offset		
LTE Band 5 (QPSK)	1.4MHz	Low range	6	0	1.0761	1.216
		Mid range	6	0	1.0805	1.204
		High range	6	0	1.0804	1.204
	3MHz	Low range	15	0	2.6877	2.904
		Mid range	15	0	2.6852	2.929
		High range	15	0	2.6832	2.942
	5MHz	Low range	25	0	4.5305	4.976
		Mid range	25	0	4.5211	4.977
		High range	25	0	4.5021	10.01
	10MHz	Low range	50	0	8.9357	9.652
		Mid range	50	0	8.9636	9.721
		High range	50	0	8.8922	9.582

EUT Mode	Channel Bandwidth	Channel	RB Configure		99% Occupy bandwidth (MHz)	-26dB bandwidth (MHz)
			RB Size	RB Offset		
LTE Band 5 (16QAM)	1.4MHz	Low range	6	0	1.0828	1.263
		Mid range	6	0	1.0817	1.254
		High range	6	0	1.0837	1.261
	3MHz	Low range	15	0	2.6828	2.920
		Mid range	15	0	2.6821	2.932
		High range	15	0	2.6822	2.935
	5MHz	Low range	25	0	4.4794	4.907
		Mid range	25	0	4.4629	4.906
		High range	25	0	4.4588	4.859
	10MHz	Low range	50	0	8.9177	9.716
		Mid range	50	0	8.9650	9.788
		High range	50	0	8.8978	9.562

EUT Mode	Channel Bandwidth	Channel	RB Configure		99% Occupy bandwidth (MHz)	-26dB bandwidth (MHz)
			RB Size	RB Offset		
LTE Band 7 (QPSK)	5MHz	Low range	25	0	4.5178	4.993
		Mid range	25	0	4.5109	4.967
		High range	25	0	4.4989	4.961
	10MHz	Low range	50	0	8.9477	9.646
		Mid range	50	0	8.9426	9.657
		High range	50	0	8.9359	9.625
	15MHz	Low range	75	0	13.386	14.49
		Mid range	75	0	13.371	14.29
		High range	75	0	13.389	14.50
	20MHz	Low range	100	0	17.855	19.20
		Mid range	100	0	17.848	19.21
		High range	100	0	17.909	19.27

EUT Mode	Channel Bandwidth	Channel	RB Configure		99% Occupy bandwidth (MHz)	-26dB bandwidth (MHz)
			RB Size	RB Offset		
LTE Band 7 (16QAM)	5MHz	Low range	25	0	4.4580	4.887
		Mid range	25	0	4.4610	4.887
		High range	25	0	4.4684	4.920
	10MHz	Low range	50	0	8.9449	9.727
		Mid range	50	0	8.9297	9.602
		High range	50	0	8.9446	9.732
	15MHz	Low range	75	0	13.381	14.39
		Mid range	75	0	13.375	14.44
		High range	75	0	13.395	14.37
	20MHz	Low range	100	0	17.835	19.02
		Mid range	100	0	17.856	19.09
		High range	100	0	17.806	19.18

EUT Mode	Channel Bandwidth	Channel	RB Configure		99% Occupy bandwidth (MHz)	-26dB bandwidth (MHz)
			RB Size	RB Offset		
LTE Band 17 (QPSK)	5MHz	Low range	25	0	4.5173	4.921
		Mid range	25	0	4.5369	4.994
		High range	25	0	4.5065	4.935
	10MHz	Low range	50	0	9.0432	10.02
		Mid range	50	0	9.0155	10.05
		High range	50	0	9.0158	9.991

EUT Mode	Channel Bandwidth	Channel	RB Configure		99% Occupy bandwidth (MHz)	-26dB bandwidth (MHz)
			RB Size	RB Offset		
LTE Band 17 (16QAM)	5MHz	Low range	25	0	4.4654	4.915
		Mid range	25	0	4.4589	4.884
		High range	25	0	4.4734	4.907
	10MHz	Low range	50	0	8.9365	9.691
		Mid range	50	0	8.9310	9.633
		High range	50	0	8.9395	9.599

Test Graphs

Test Mode: LTE Band 2

Channel Bandwidth: 1.4MHz

QPSK

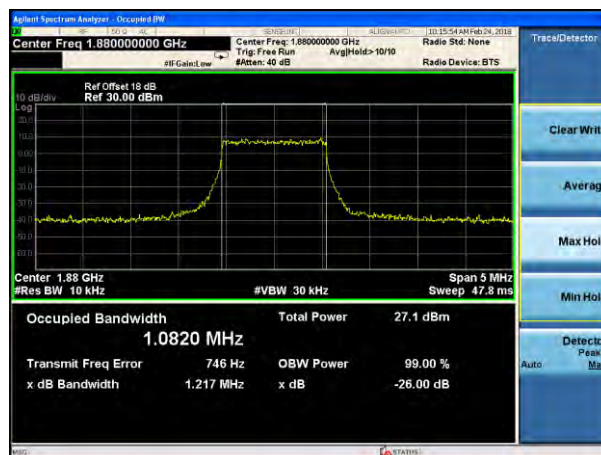
16QAM



Lowest channel



Lowest channel



Middle channel



Middle channel



Highest channel



Highest channel

Test Mode: LTE Band 2
Channel Bandwidth: 3MHz

QPSK

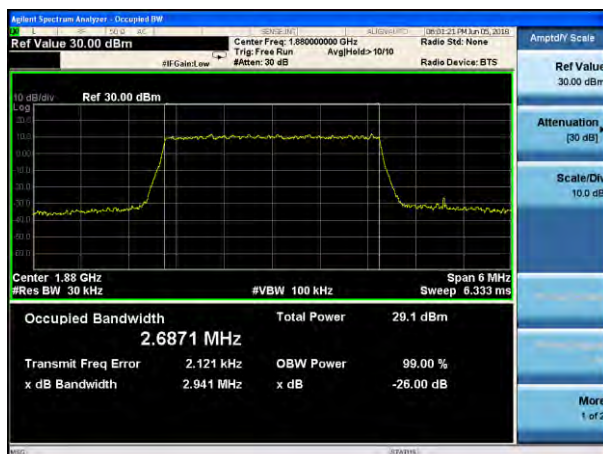
16QAM



Lowest channel



Lowest channel



Middle channel



Middle channel



Highest channel



Highest channel

Test Mode: LTE Band 2
Channel Bandwidth: 5MHz

QPSK

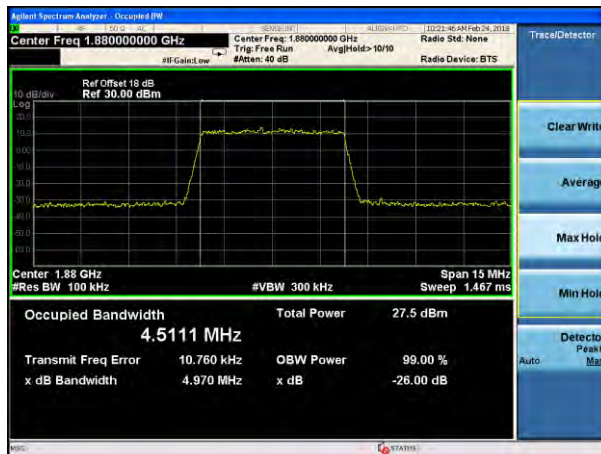
16QAM



Lowest channel



Lowest channel



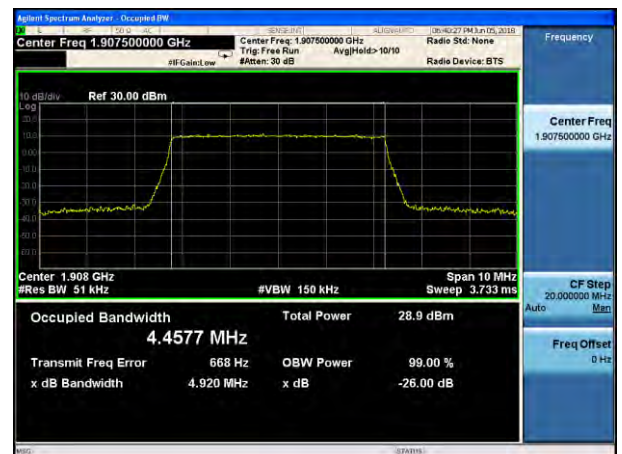
Middle channel



Middle channel



Highest channel



Highest channel

Test Mode: LTE Band 2
Channel Bandwidth: 10MHz

QPSK

16QAM



Lowest channel



Lowest channel



Middle channel



Middle channel



Highest channel



Highest channel

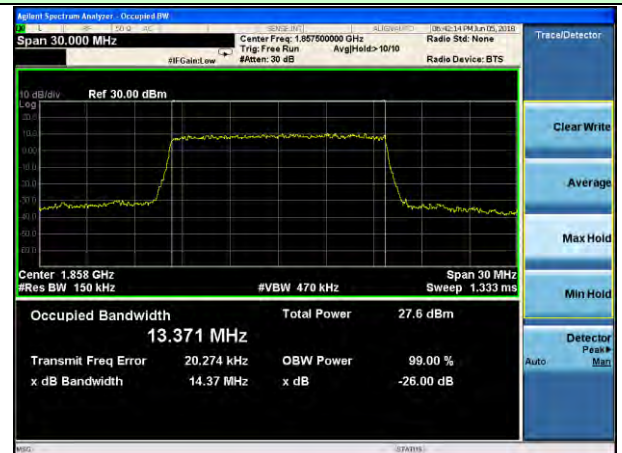
Test Mode: LTE Band 2
Channel Bandwidth: 15MHz

QPSK

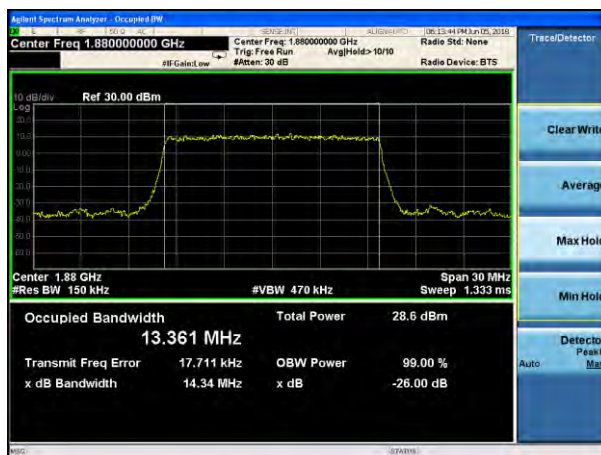
16QAM



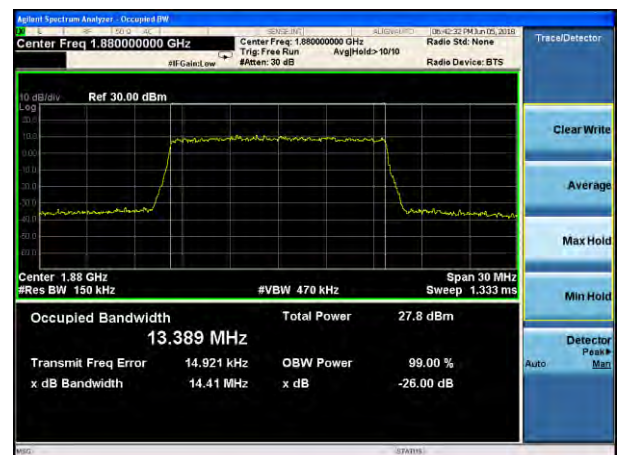
Lowest channel



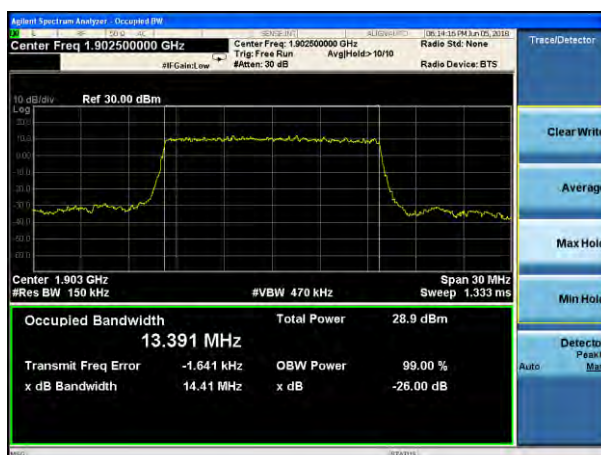
Lowest channel



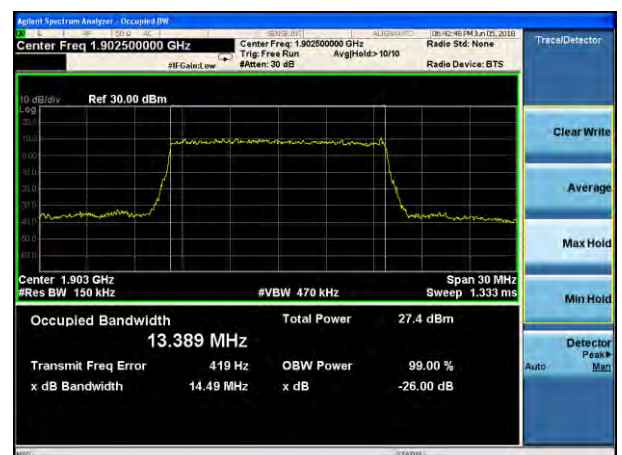
Middle channel



Middle channel



Highest channel



Highest channel

Test Mode: LTE Band 2
Channel Bandwidth: 20MHz

QPSK

16QAM



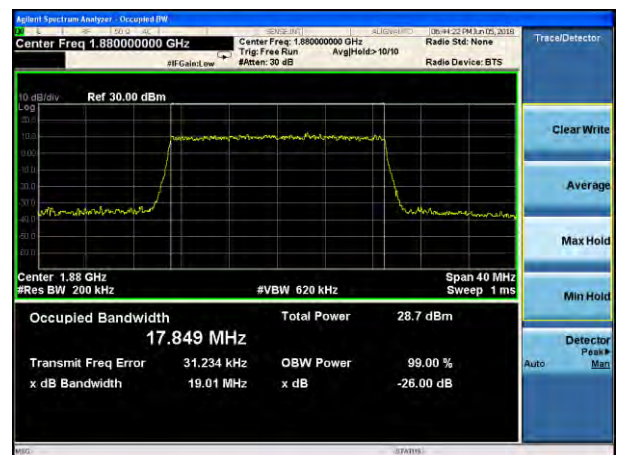
Lowest channel



Lowest channel



Middle channel



Middle channel



Highest channel



Highest channel

Test Mode: LTE Band 4

Channel Bandwidth: 1.4MHz

QPSK

16QAM



Lowest channel



Lowest channel



Middle channel



Middle channel



Highest channel



Highest channel

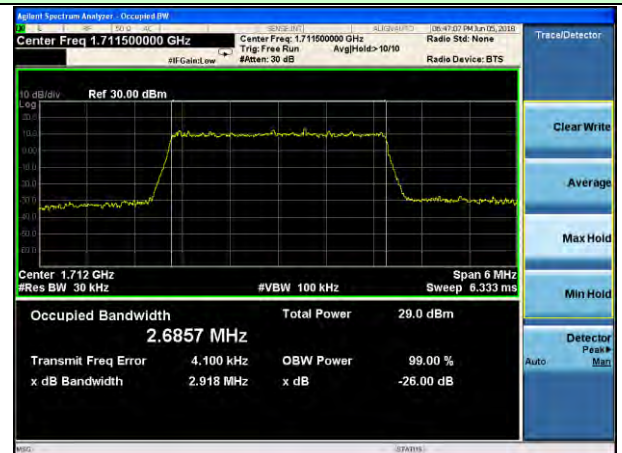
Test Mode: LTE Band 4
Channel Bandwidth: 3MHz

QPSK

16QAM



Lowest channel



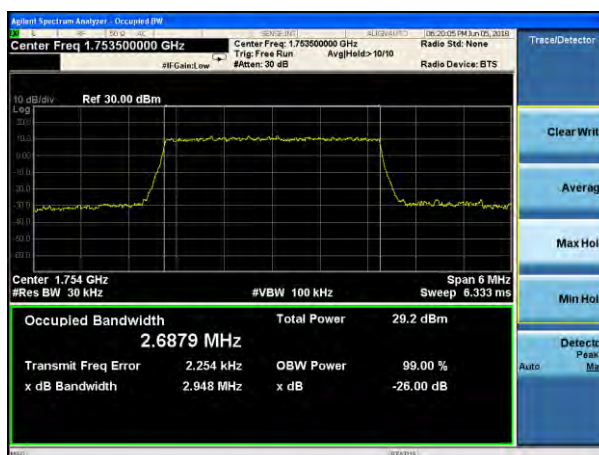
Lowest channel



Middle channel



Middle channel



Highest channel



Highest channel

Test Mode: LTE Band 4
Channel Bandwidth: 5MHz

QPSK

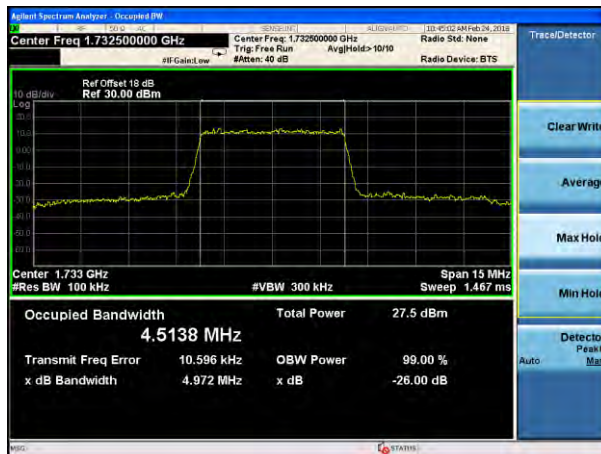
16QAM



Lowest channel



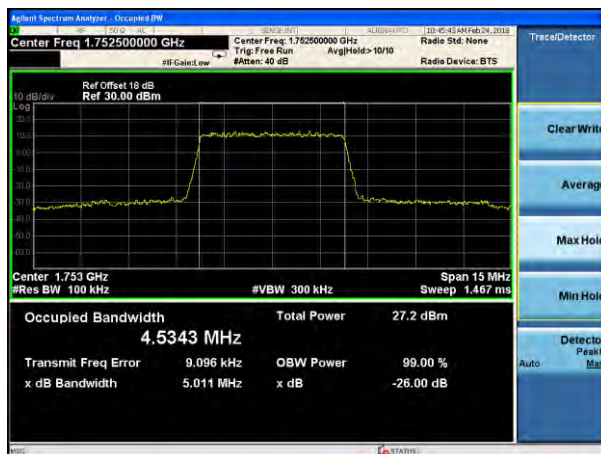
Lowest channel



Middle channel



Middle channel



Highest channel



Highest channel

Test Mode: LTE Band 4
Channel Bandwidth: 10MHz

QPSK

16QAM



Lowest channel



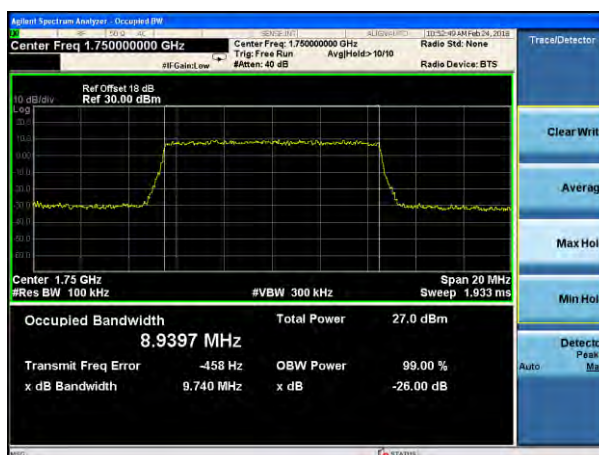
Lowest channel



Middle channel



Middle channel



Highest channel



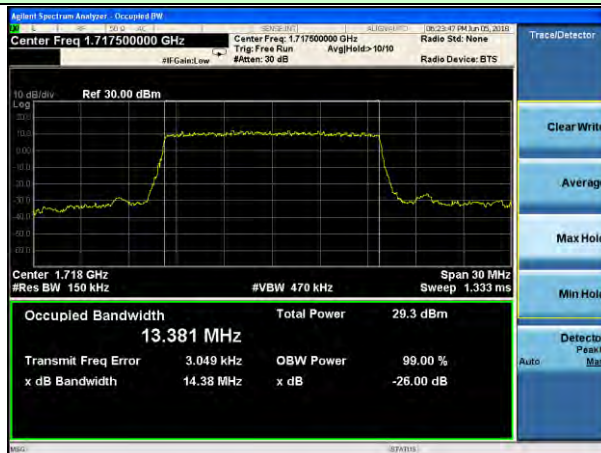
Highest channel

Test Mode: LTE Band 4

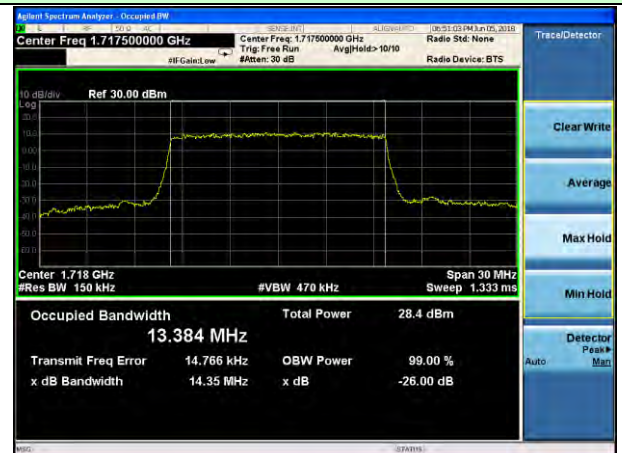
Channel Bandwidth: 15MHz

QPSK

16QAM



Lowest channel



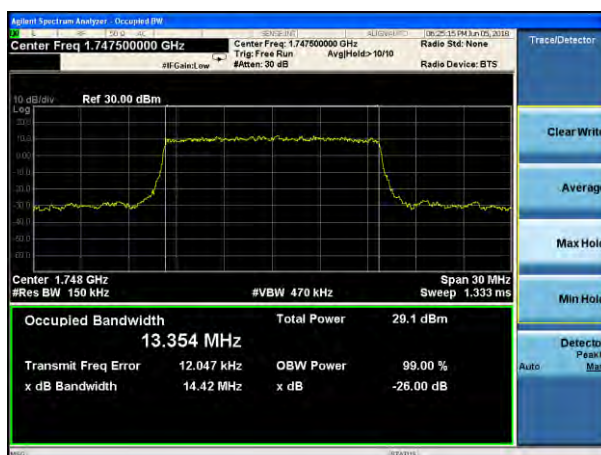
Lowest channel



Middle channel



Middle channel



Highest channel



Highest channel

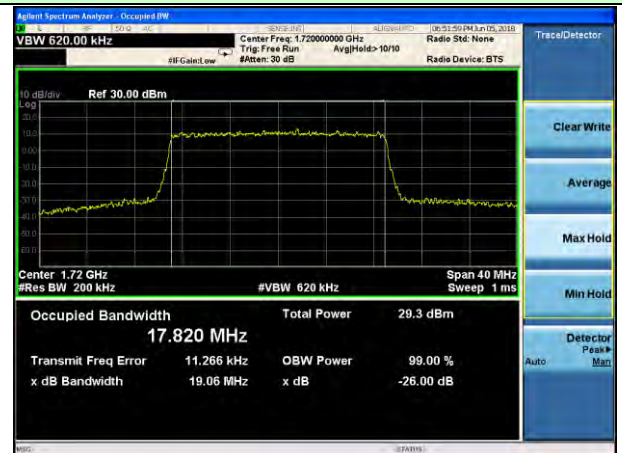
Test Mode: LTE Band 4
Channel Bandwidth: 20MHz

QPSK

16QAM



Lowest channel



Lowest channel



Middle channel



Middle channel



Highest channel



Highest channel

Test Mode: LTE Band 5

Channel Bandwidth: 1.4MHz

QPSK

16QAM



Lowest channel



Lowest channel



Middle channel



Middle channel



Highest channel



Highest channel

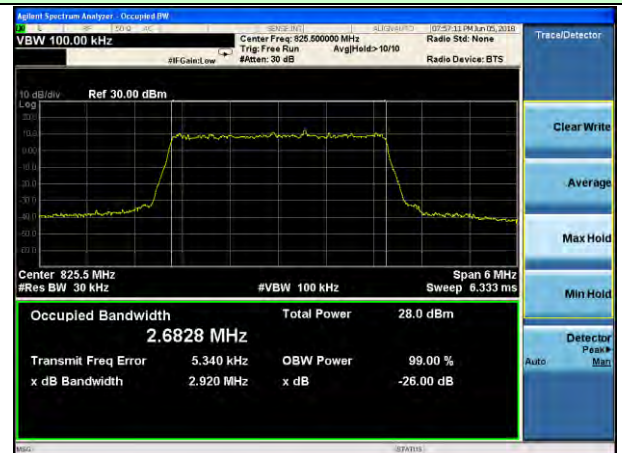
Test Mode: LTE Band 5
Channel Bandwidth: 3MHz

QPSK

16QAM



Lowest channel



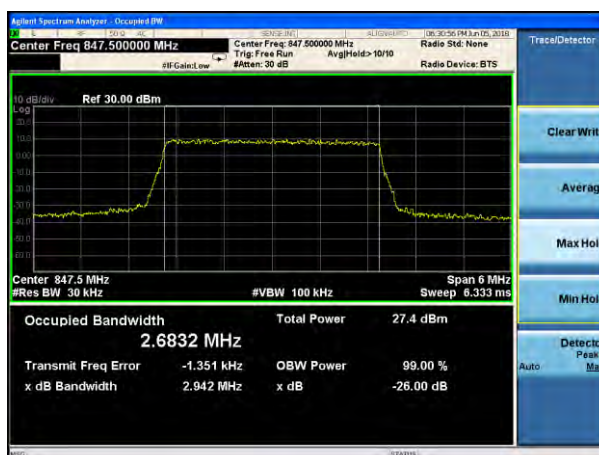
Lowest channel



Middle channel



Middle channel



Highest channel



Highest channel

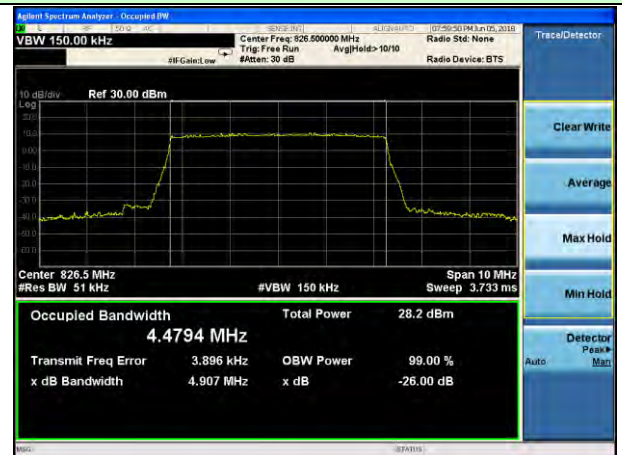
Test Mode: LTE Band 5
Channel Bandwidth: 5MHz

QPSK

16QAM



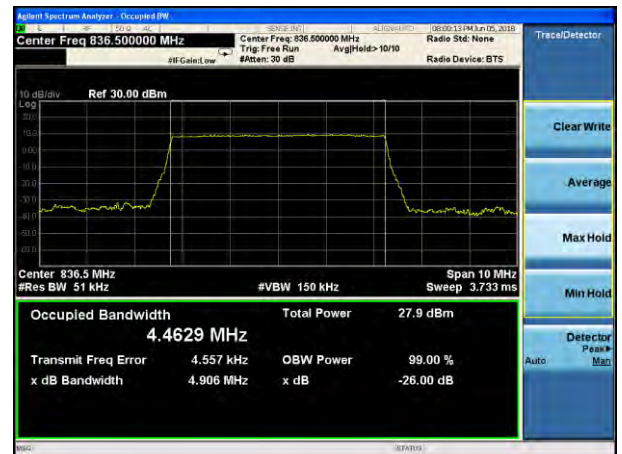
Lowest channel



Lowest channel



Middle channel



Middle channel



Highest channel



Highest channel

Test Mode: LTE Band 5
Channel Bandwidth: 10MHz

QPSK

16QAM



Lowest channel



Middle channel



Highest channel

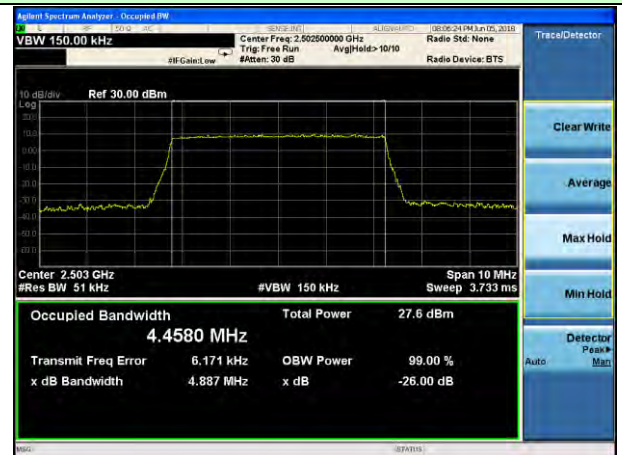
Test Mode: LTE Band 7
Channel Bandwidth: 5MHz

QPSK

16QAM



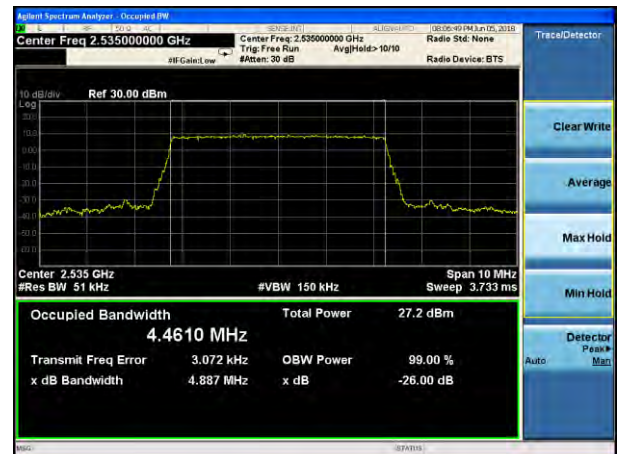
Lowest channel



Lowest channel



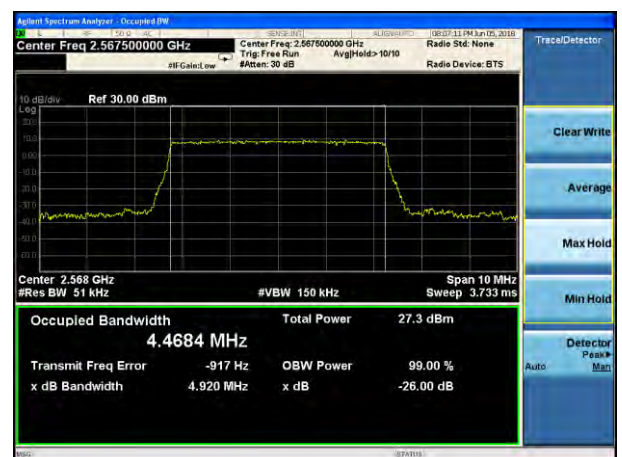
Middle channel



Middle channel



Highest channel



Highest channel

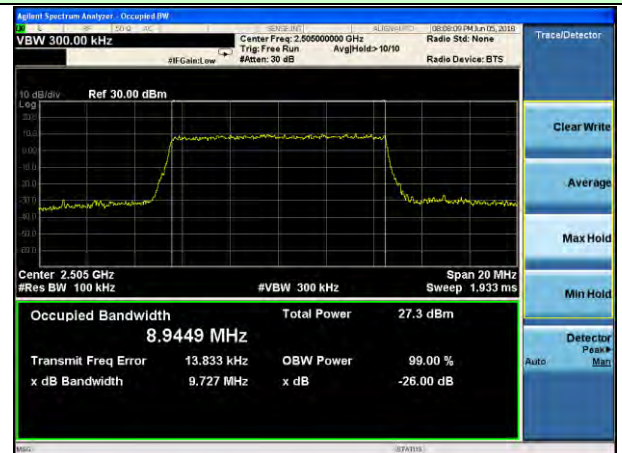
Test Mode: LTE Band 7
Channel Bandwidth: 10MHz

QPSK

16QAM



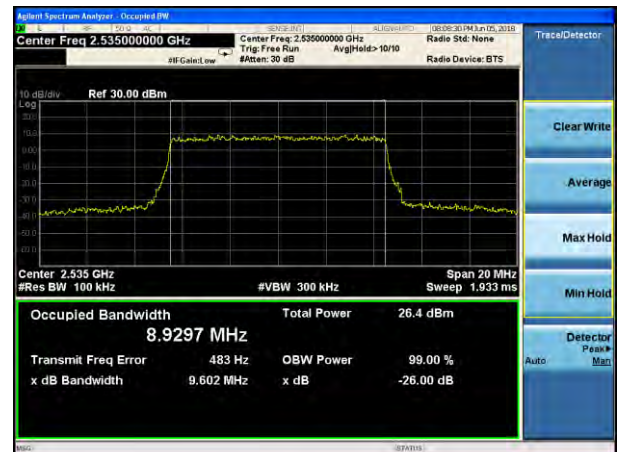
Lowest channel



Lowest channel



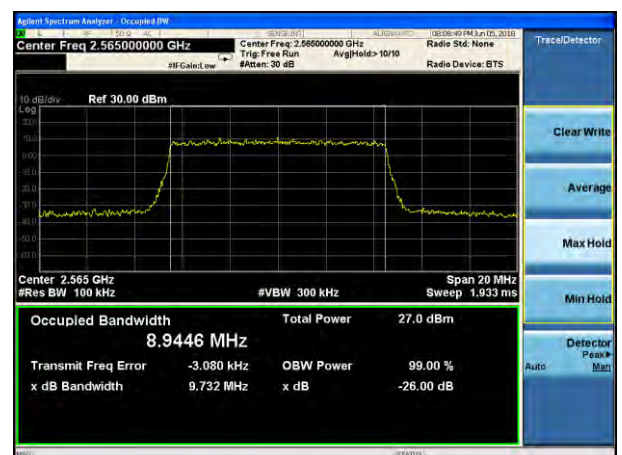
Middle channel



Middle channel



Highest channel



Highest channel

Test Mode: LTE Band 7
Channel Bandwidth: 15MHz

QPSK

16QAM



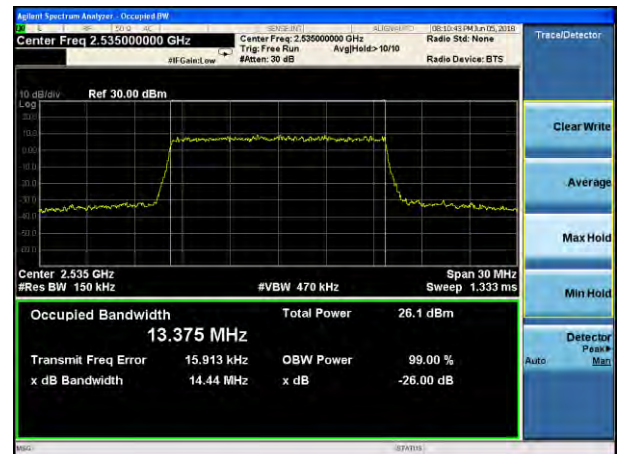
Lowest channel



Lowest channel



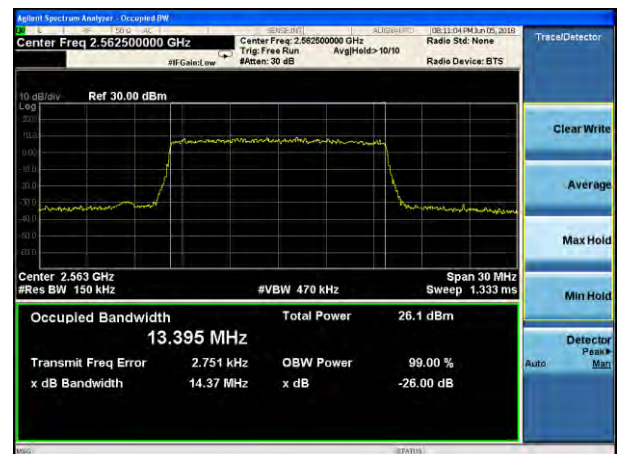
Middle channel



Middle channel



Highest channel



Highest channel

Test Mode: LTE Band 7
Channel Bandwidth: 20MHz

QPSK

16QAM



Lowest channel



Middle channel



Highest channel

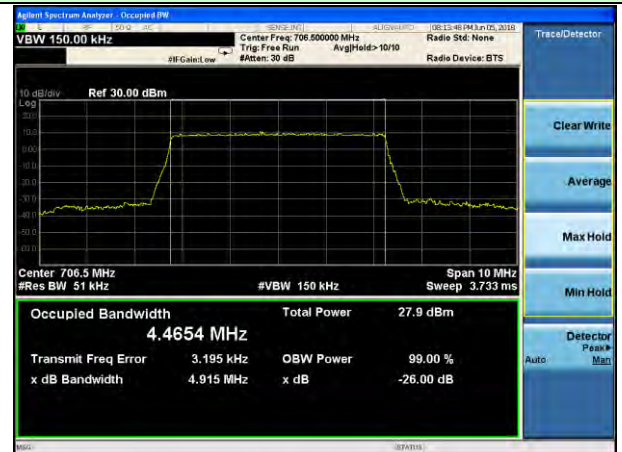
Test Mode: LTE Band 17
Channel Bandwidth: 5MHz

QPSK

16QAM



Lowest channel



Lowest channel



Middle channel



Middle channel



Highest channel



Highest channel

Test Mode: LTE Band 17
Channel Bandwidth: 10MHz

QPSK

16QAM



Lowest channel



Lowest channel



Middle channel



Middle channel



Highest channel



Highest channel

Note: All bandwidth and modulation are tested, only the worst result is reported.