

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	1.0778	1.244
		Mid range	6	0	1.0765	1.234
		High range	6	0	1.0780	1.245
	3MHz	Low range	15	0	2.6927	2.935
		Mid range	15	0	2.6871	2.941
		High range	15	0	2.6856	2.930
	5MHz	Low range	25	0	4.5248	5.016
		Mid range	25	0	4.5100	4.956
		High range	25	0	4.5142	4.982
	10MHz	Low range	50	0	8.9366	9.743
		Mid range	50	0	8.9410	9.682
		High range	50	0	8.9474	9.776
	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	17.859	19.19
		Mid range	100	0	17.867	19.03
		High range	100	0	17.831	17.42

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	1.0758	1.220
		Mid range	6	0	1.0788	1.226
		High range	6	0	1.0751	1.248
	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	4.5051	4.961
		Mid range	25	0	4.5090	5.001
		High range	25	0	4.5192	5.022
	10MHz	Low range	50	0	8.9288	9.634
		Mid range	50	0	8.9334	9.637
		High range	50	0	8.9249	9.589
	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	17.848	19.38
		Mid range	100	0	17.864	19.25
		High range	100	0	17.894	19.19

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	1.0764	1.256
		Mid range	6	0	1.0758	1.226
		High range	6	0	1.0756	1.251
	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	4.5082	5.001
		Mid range	25	0	4.5103	5.014
		High range	25	0	4.5007	4.960
	10MHz	Low range	50	0	8.9326	9.770
		Mid range	50	0	8.9347	9.554
		High range	50	0	8.9376	9.660
	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	17.882	19.17
		Mid range	100	0	17.836	19.19
		High range	100	0	17.885	19.11

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	1.079	1.233
		Mid range	6	0	1.0769	1.252
		High range	6	0	1.0743	1.201
	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	4.5101	4.870
		Mid range	25	0	4.5138	5.045
		High range	25	0	4.5333	5.002
	10MHz	Low range	50	0	8.9374	9.622
		Mid range	50	0	8.9280	9.671
		High range	50	0	8.9364	9.620
	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	17.819	19.20
		Mid range	100	0	17.862	19.26
		High range	100	0	17.836	19.12

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	1.0749	1.217
		Mid range	6	0	1.0767	1.241
		High range	6	0	1.767	1.29
	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	4.5172	4.985
		Mid range	25	0	4.5158	4.978
		High range	25	0	4.4979	4.938
	10MHz	Low range	50	0	8.9203	9.707
		Mid range	50	0	8.9528	9.706
		High range	50	0	8.8960	9.527

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	1.0737	1.209
		Mid range	6	0	1.0748	1.202
		High range	6	0	1.0780	1.223
	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	4.5075	4.897
		Mid range	25	0	4.5247	5.049
		High range	25	0	4.5097	5.006
	10MHz	Low range	50	0	8.9131	9.588
		Mid range	50	0	8.9629	9.639
		High range	50	0	8.9114	9.546

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	4.4906	4.910
		Mid range	25	0	4.5036	4.989
		High range	25	0	4.4819	4.923
	10MHz	Low range	50	0	8.9457	9.735
		Mid range	50	0	8.9341	9.682
		High range	50	0	8.9276	9.665
	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	17.838	19.21
		Mid range	100	0	17.853	19.09
		High range	100	0	17.871	19.30

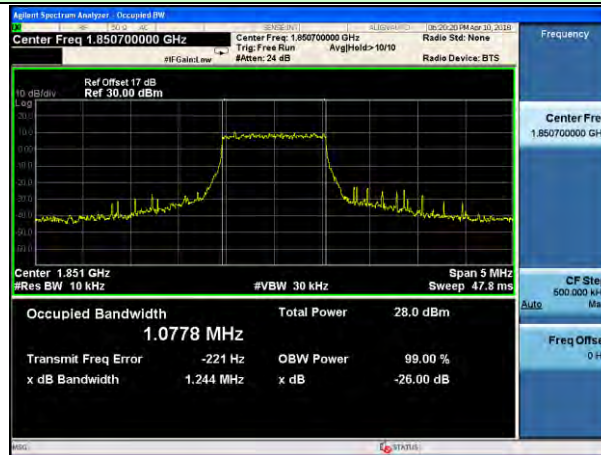
EUT Mode	Channel Bandwidth	Channel	RB Configure		99% Occupy bandwidth (MHz)	-26dB bandwidth (MHz)
			RB Size	RB Offset		
LTE Band 7 16QAM	5MHz	Low range	25	0	4.5256	5.021
		Mid range	25	0	4.5027	4.998
		High range	25	0	4.5180	4.952
	10MHz	Low range	50	0	8.9278	9.529
		Mid range	50	0	8.9394	9.553
		High range	50	0	8.9410	9.720
	15MHz	Low range	75	0	13.386	14.49
		Mid range	75	0	13.371	14.29
		High range	75	0	13.389	14.5
	20MHz	Low range	100	0	17.886	19.18
		Mid range	100	0	17.873	19.22
		High range	100	0	17.884	19.13

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	4.4994	4.984
		Mid range	25	0	4.4943	4.988
		High range	25	0	4.5160	4.957
	10MHz	Low range	50	0	8.9492	9.587
		Mid range	50	0	8.9295	9.690
		High range	50	0	8.9281	9.471

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	4.5034	4.983
		Mid range	25	0	4.5141	4.990
		High range	25	0	4.5096	5.002
	10MHz	Low range	50	0	8.9436	9.604
		Mid range	50	0	8.9402	9.719
		High range	50	0	8.9205	9.658

Test Graphs

Test Mode: LTE Band 2
Modulation: QPSK
Channel Bandwidth: 1.4MHz



Lowest channel

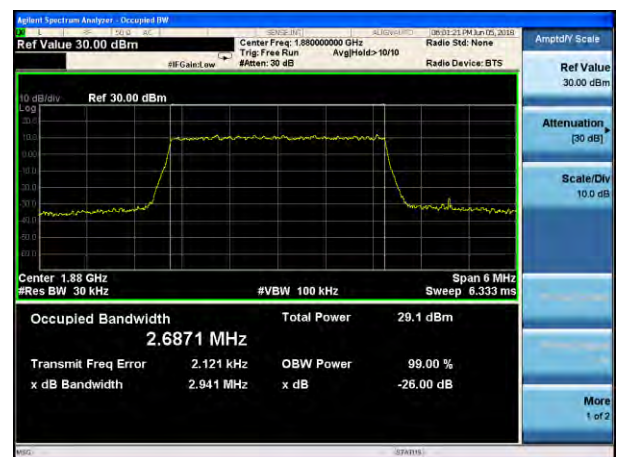
Test Mode: LTE Band 2
Modulation: QPSK
Channel Bandwidth: 3MHz



Lowest channel



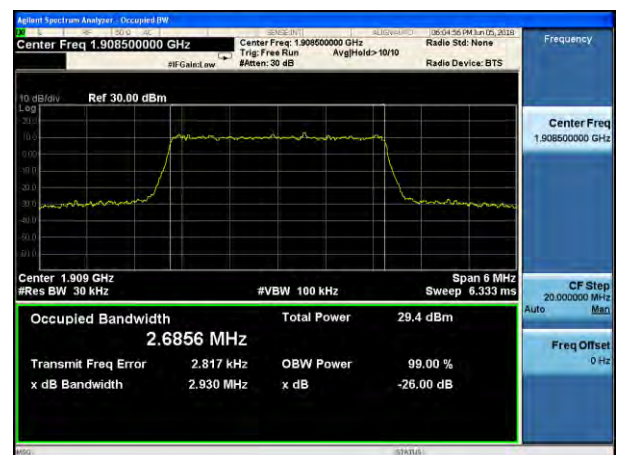
Middle channel



Middle channel



Highest channel



Highest channel

Test Mode: LTE Band 2
Modulation: QPSK
Channel Bandwidth: 5MHz

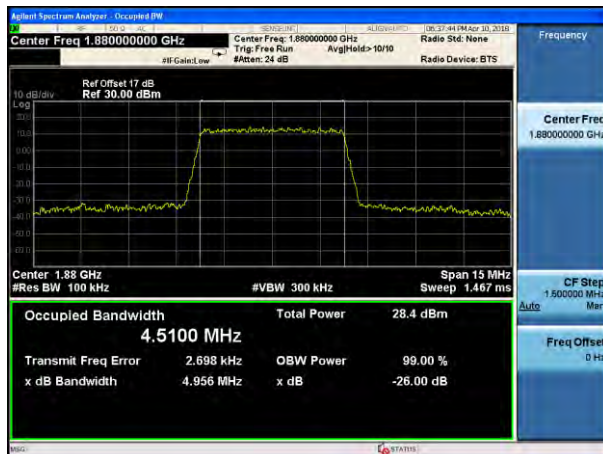
Test Mode: LTE Band 2
Modulation: QPSK
Channel Bandwidth: 10MHz



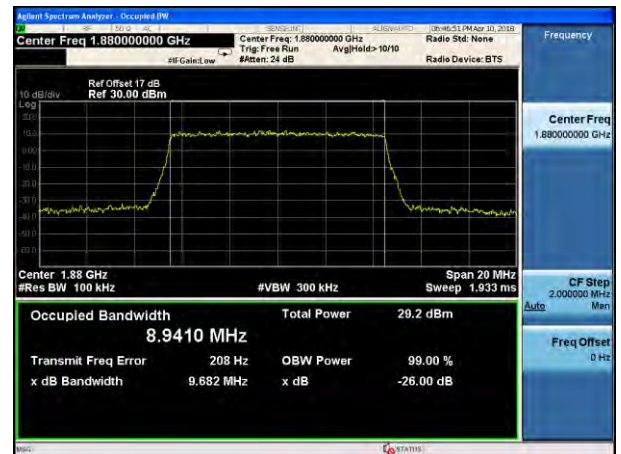
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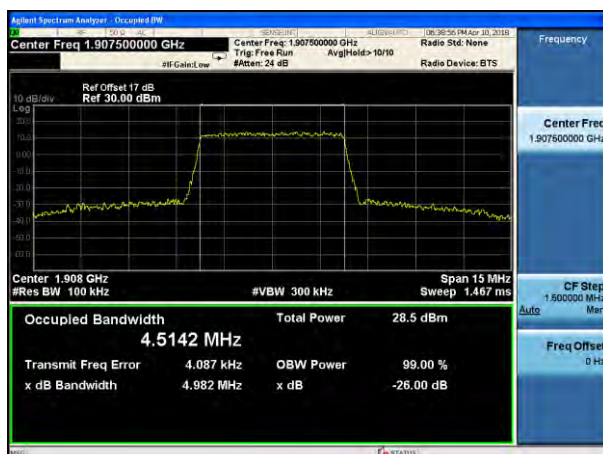
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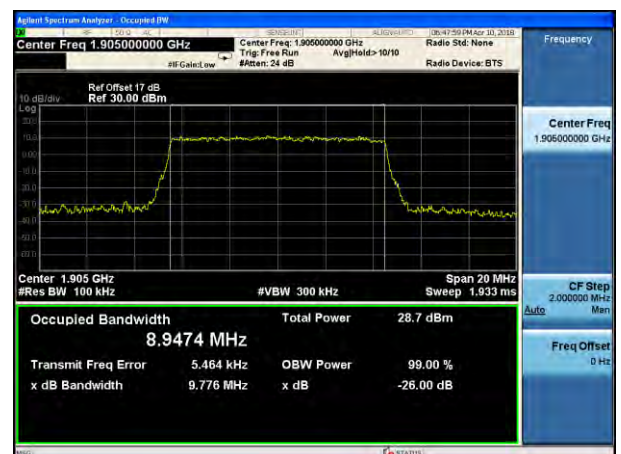
Middle channel



Middle channel



Highest channel



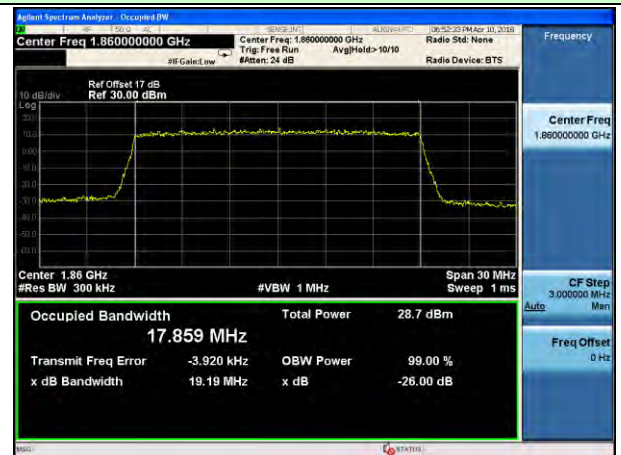
Highest channel

Test Mode: LTE Band 2
Modulation: QPSK
Channel Bandwidth: 15MHz

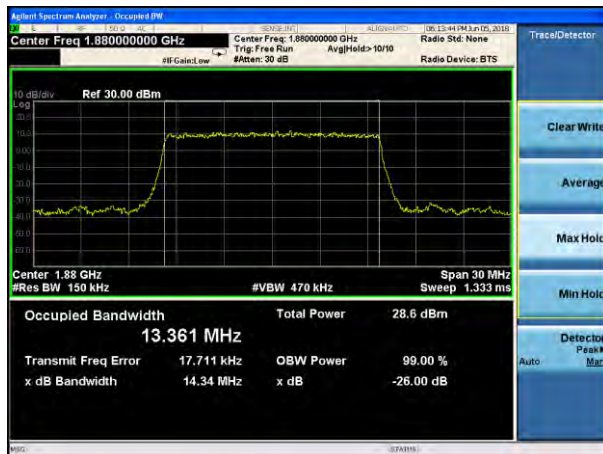
Test Mode: LTE Band 2
Modulation: QPSK
Channel Bandwidth: 20MHz



Lowest channel



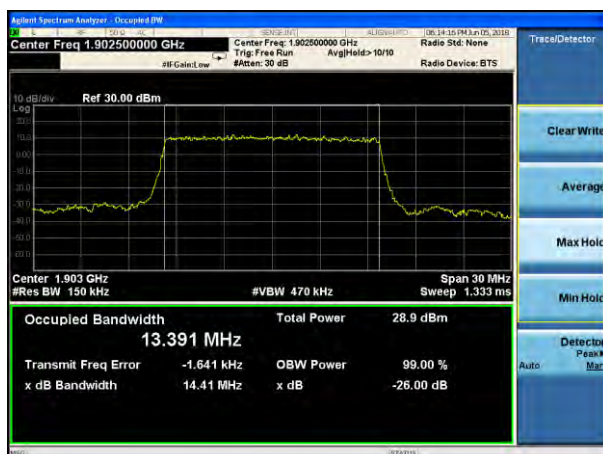
Lowest channel



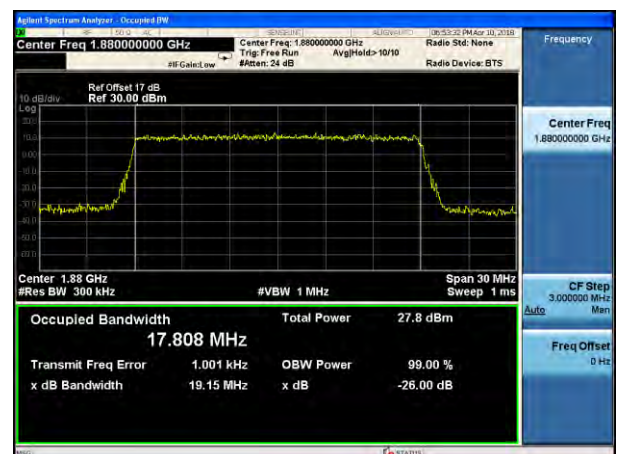
Middle channel



Middle channel

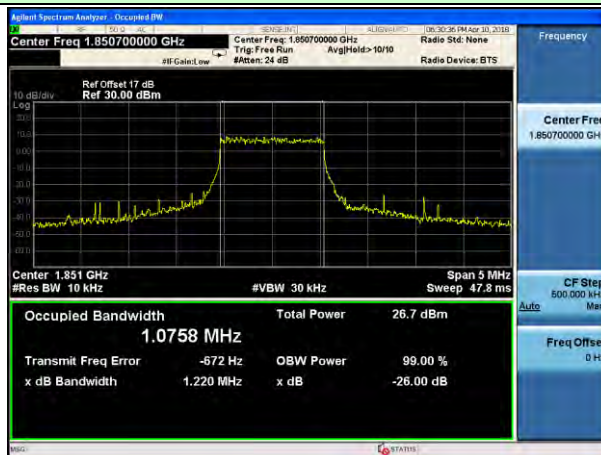


Highest channel



Highest channel

Test Mode: LTE Band 2
Modulation: 16-QAM
Channel Bandwidth: 1.4MHz

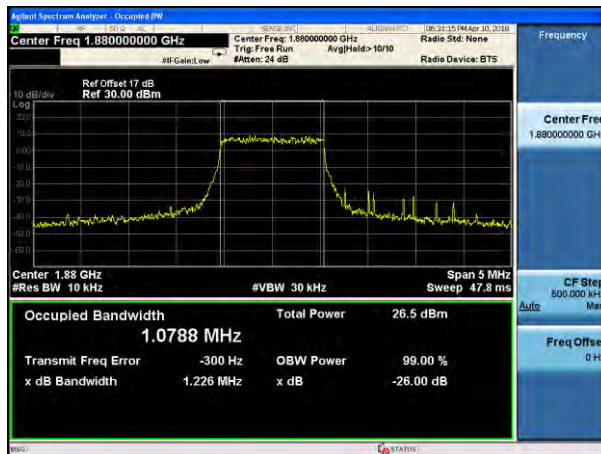


Lowest channel

Test Mode: LTE Band 2
Modulation: 16-QAM
Channel Bandwidth: 3MHz



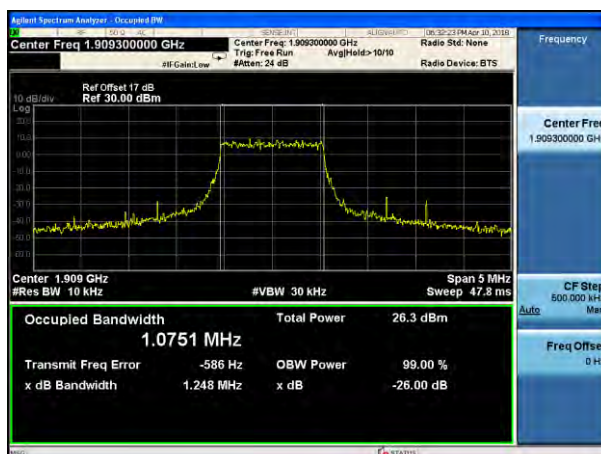
Lowest channel



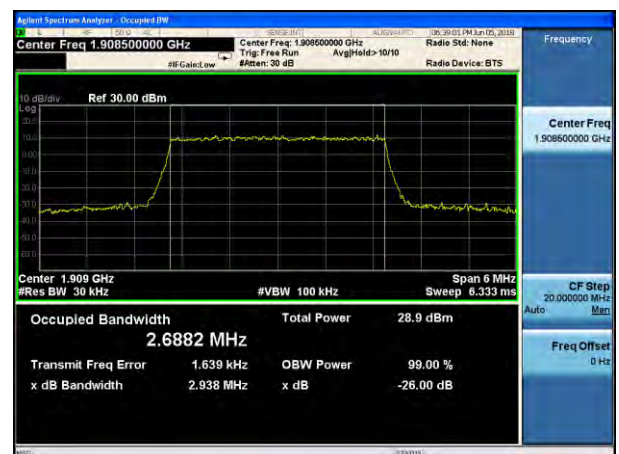
Middle channel



Middle channel



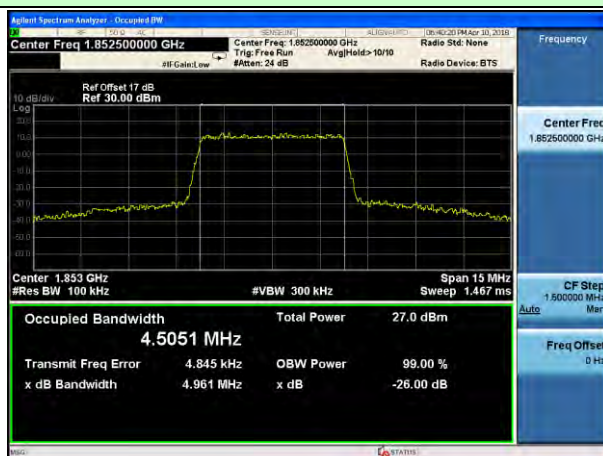
Highest channel



Highest channel

Test Mode: LTE Band 2
Modulation: 16QAM
Channel Bandwidth: 5MHz

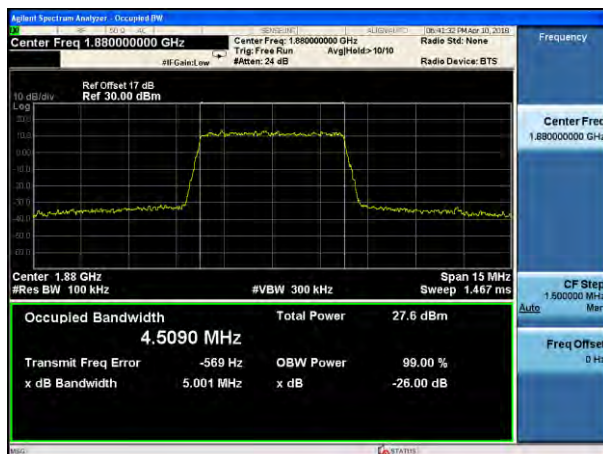
Test Mode: LTE Band 2
Modulation: 16QAM
Channel Bandwidth: 10MHz



Lowest channel



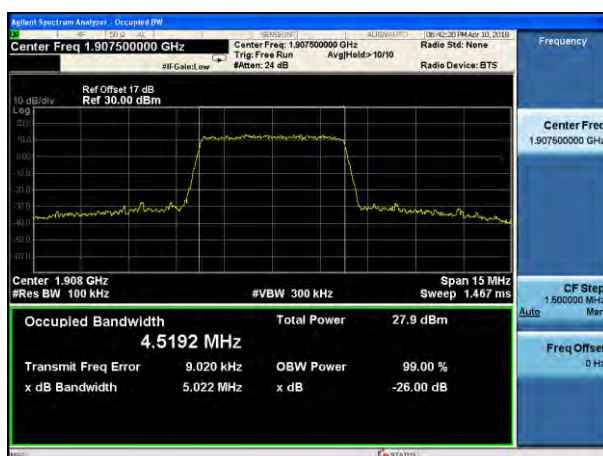
Lowest channel



Middle channel



Middle channel



Highest channel



Highest channel

Test Mode: LTE Band 2
Modulation: 16QAM
Channel Bandwidth: 15MHz

Test Mode: LTE Band 2
Modulation: 16QAM
Channel Bandwidth: 20MHz



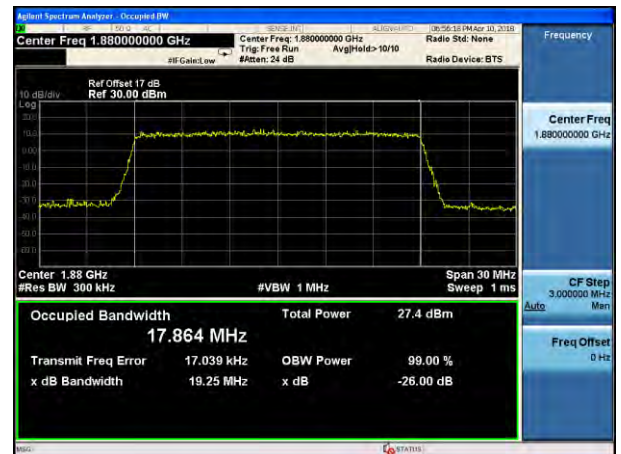
Lowest channel



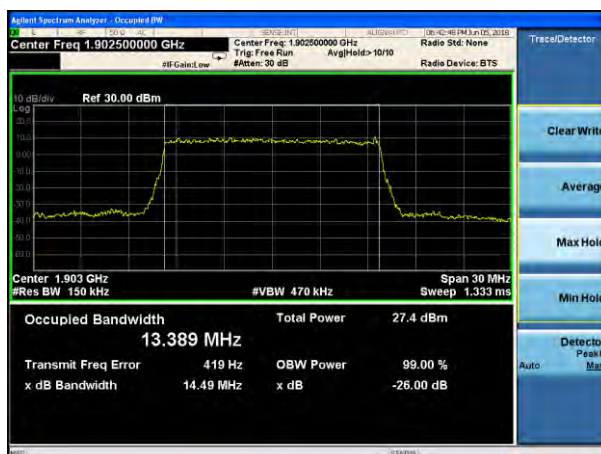
Lowest channel



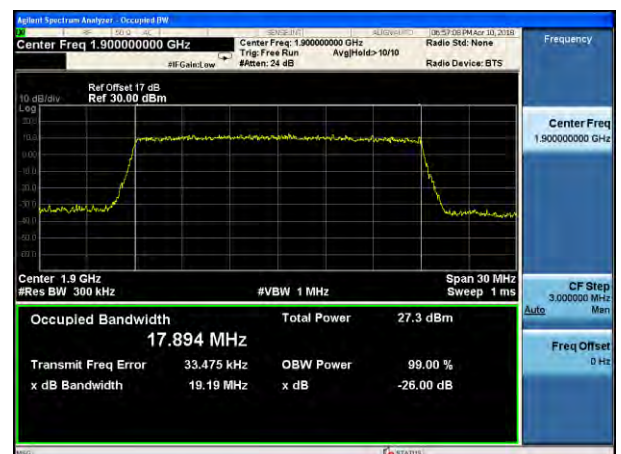
Middle channel



Middle channel



Highest channel



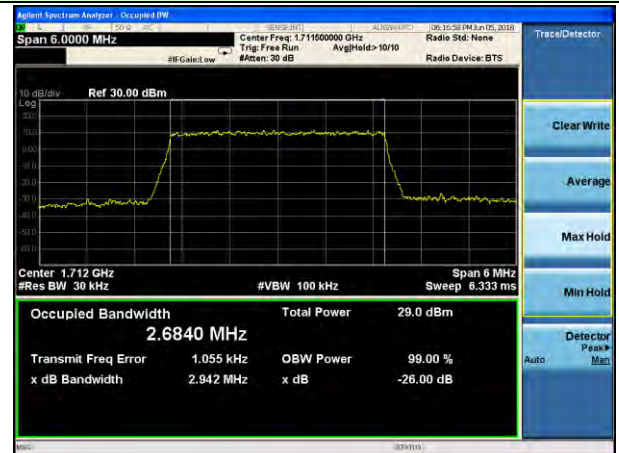
Highest channel

Test Mode: LTE Band 4
Modulation: QPSK
Channel Bandwidth: 1.4MHz

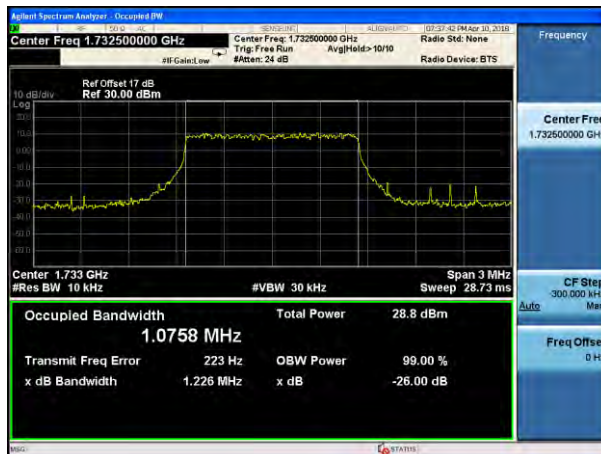


Lowest channel

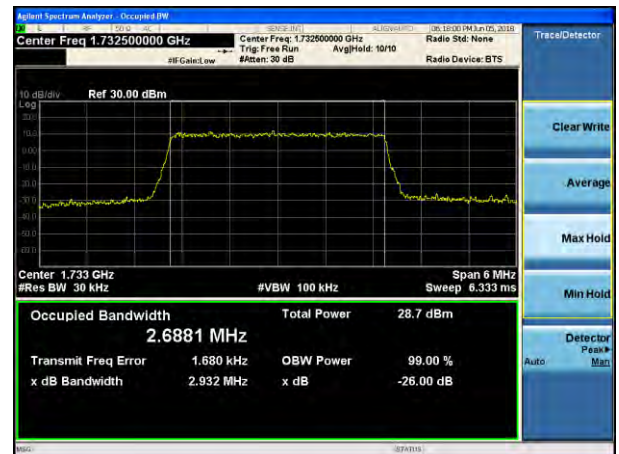
Test Mode: LTE Band 4
Modulation: QPSK
Channel Bandwidth: 3MHz



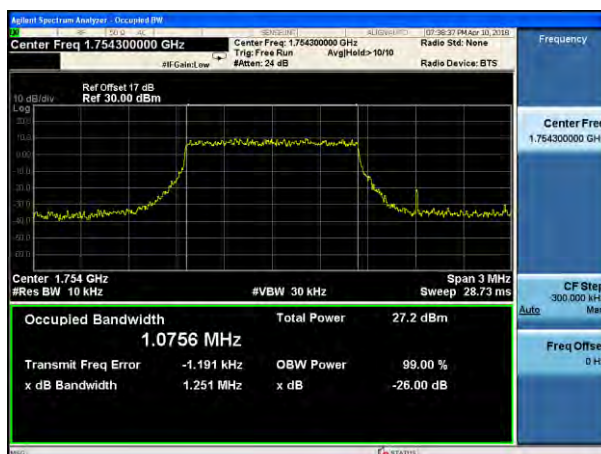
Lowest channel



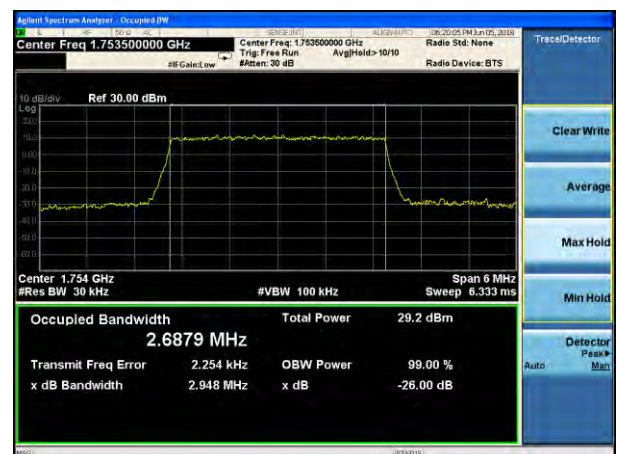
Middle channel



Middle channel



Highest channel



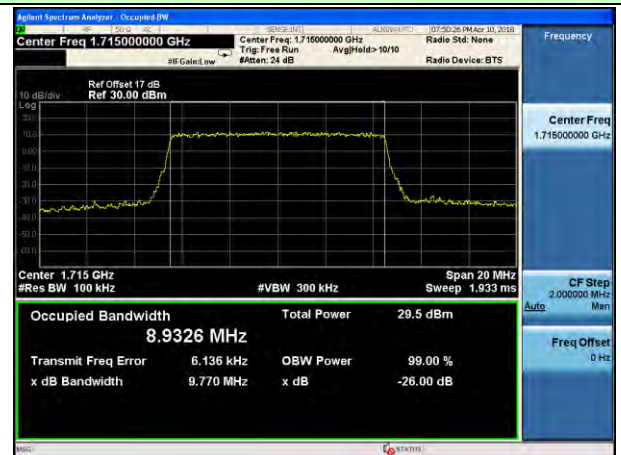
Highest channel

Test Mode: LTE Band 4
Modulation: QPSK
Channel Bandwidth: 5MHz

Test Mode: LTE Band 4
Modulation: QPSK
Channel Bandwidth: 10MHz



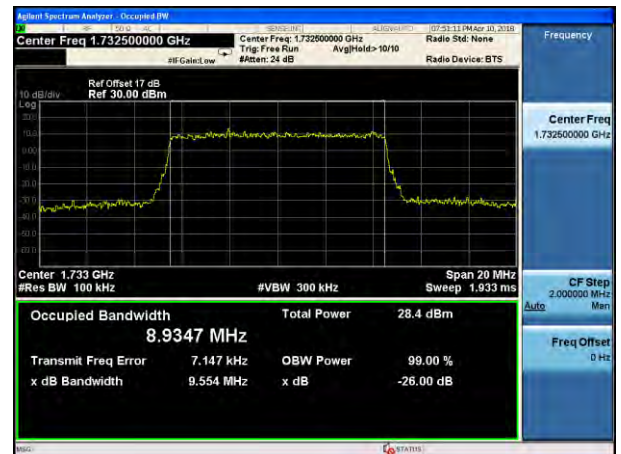
Lowest channel



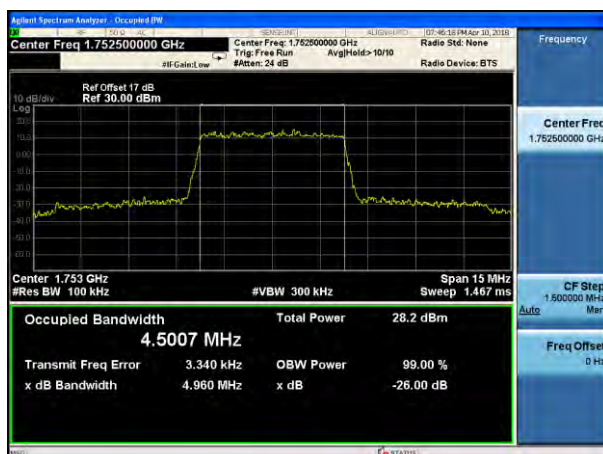
Lowest channel



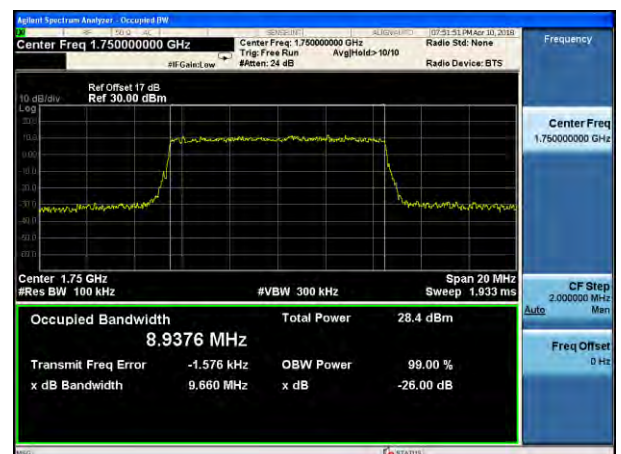
Middle channel



Middle channel



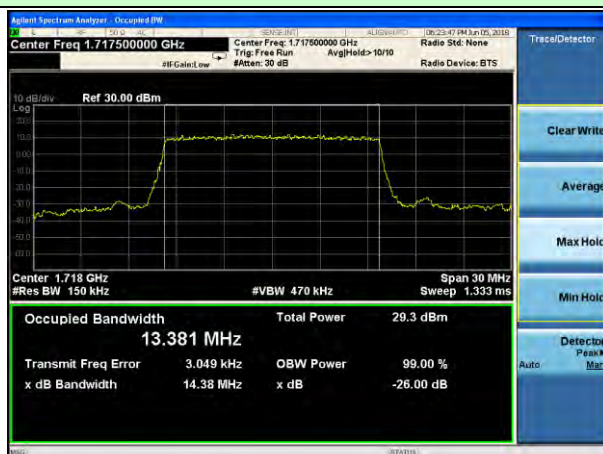
Highest channel



Highest channel

Test Mode: LTE Band 4
Modulation: QPSK
Channel Bandwidth: 15MHz

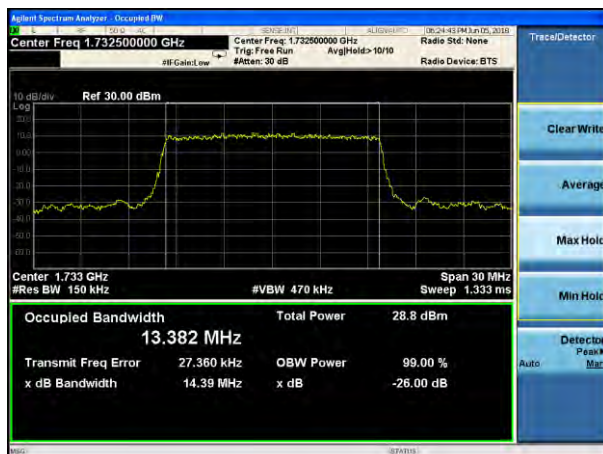
Test Mode: LTE Band 4
Modulation: QPSK
Channel Bandwidth: 20MHz



Lowest channel



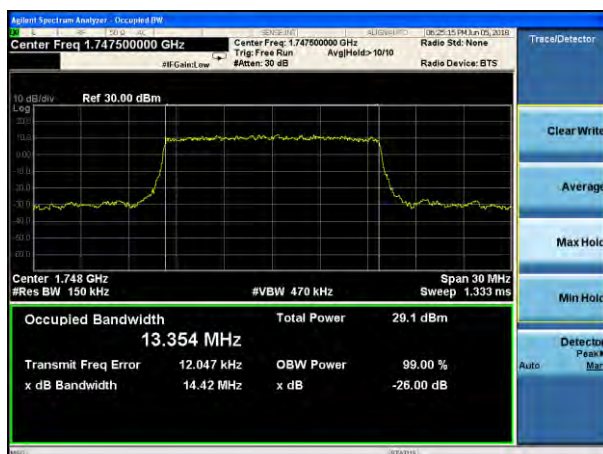
Lowest channel



Middle channel



Middle channel



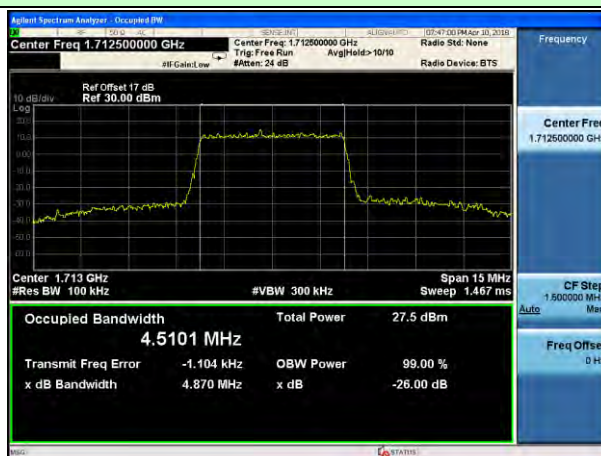
Highest channel



Highest channel

Test Mode: LTE Band 4
Modulation: 16QAM
Channel Bandwidth: 5MHz

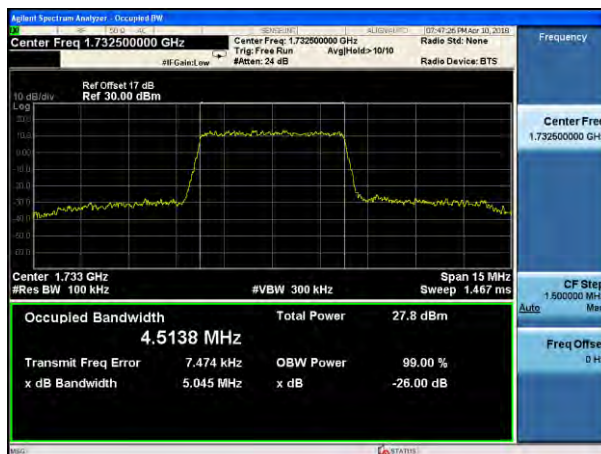
Test Mode: LTE Band 4
Modulation: 16QAM
Channel Bandwidth: 10MHz



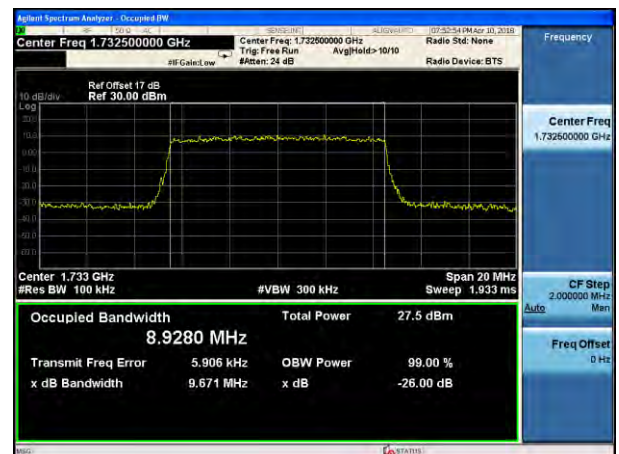
Lowest channel



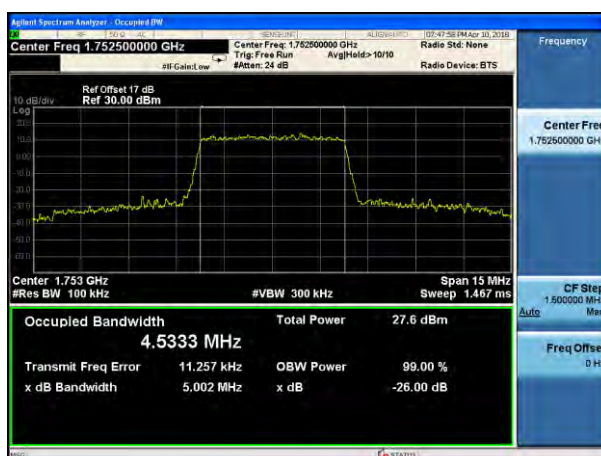
Lowest channel



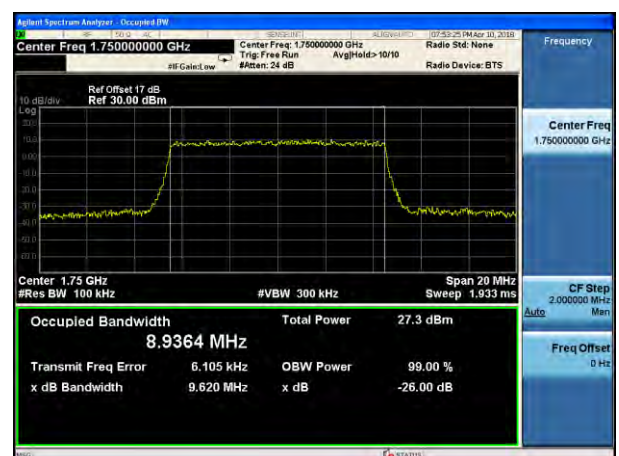
Middle channel



Middle channel



Highest channel



Highest channel

Test Mode: LTE Band 4
Modulation: 16QAM
Channel Bandwidth: 15MHz

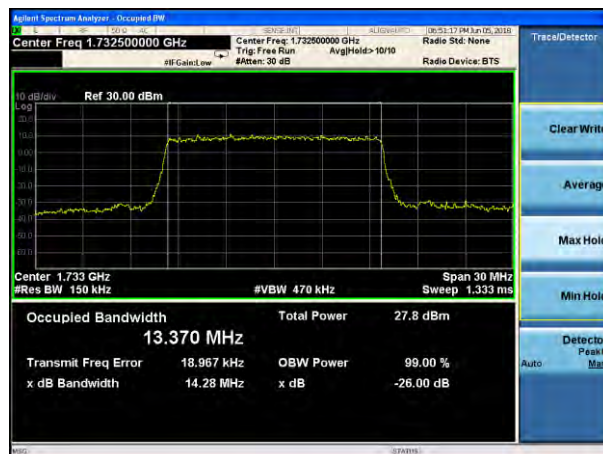
Test Mode: LTE Band 4
Modulation: 16QAM
Channel Bandwidth: 20MHz



Lowest channel



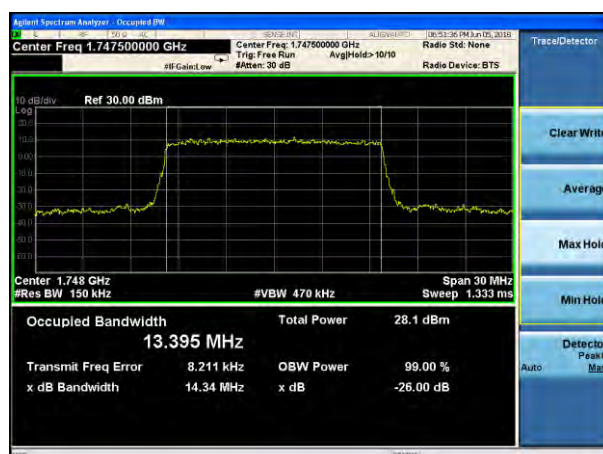
Lowest channel



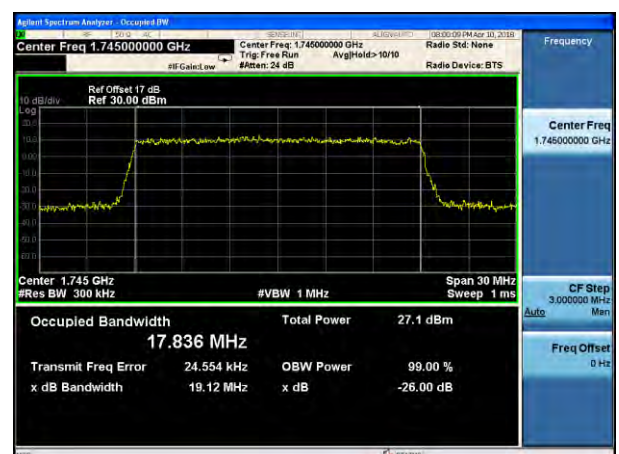
Middle channel



Middle channel



Highest channel



Highest channel

Test Mode: LTE Band 5
Modulation: QPSK
Channel Bandwidth: 1.4MHz



Lowest channel

Test Mode: LTE Band 5
Modulation: QPSK
Channel Bandwidth: 3MHz



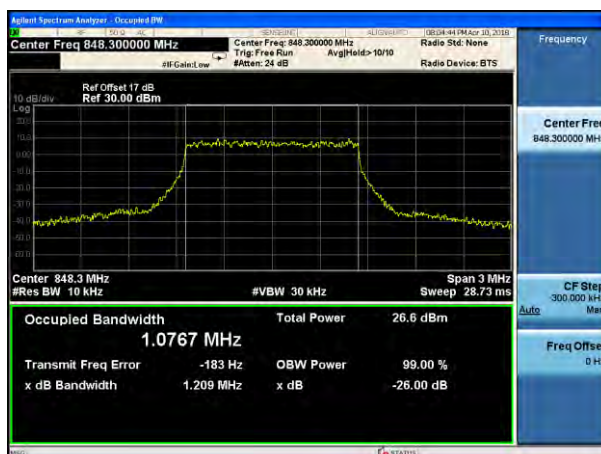
Lowest channel



Middle channel



Middle channel



Highest channel



Highest channel

Test Mode: LTE Band 5
Modulation: QPSK
Channel Bandwidth: 5MHz

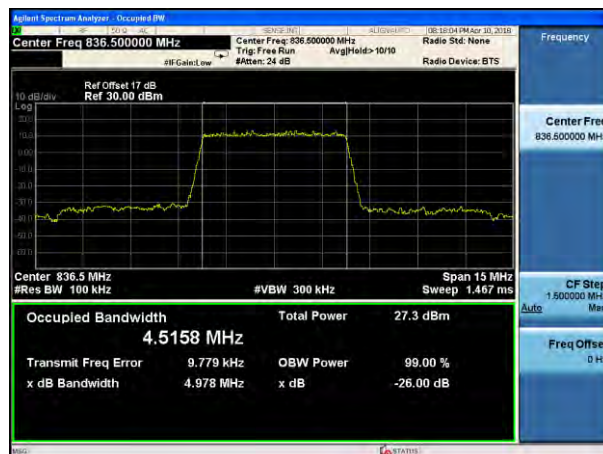
Test Mode: LTE Band 5
Modulation: QPSK
Channel Bandwidth: 10MHz



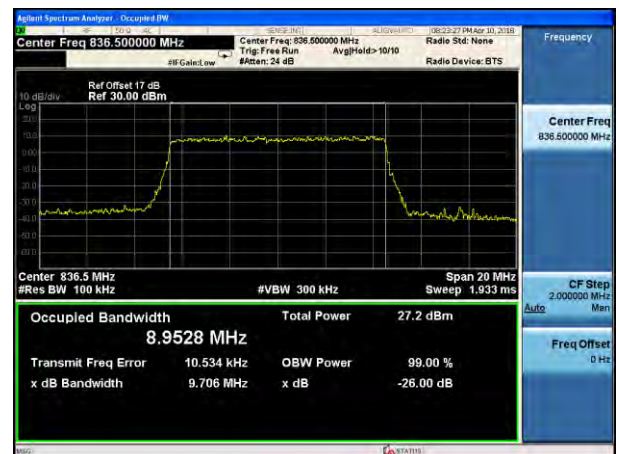
Lowest channel



Lowest channel



Middle channel



Middle channel



Highest channel



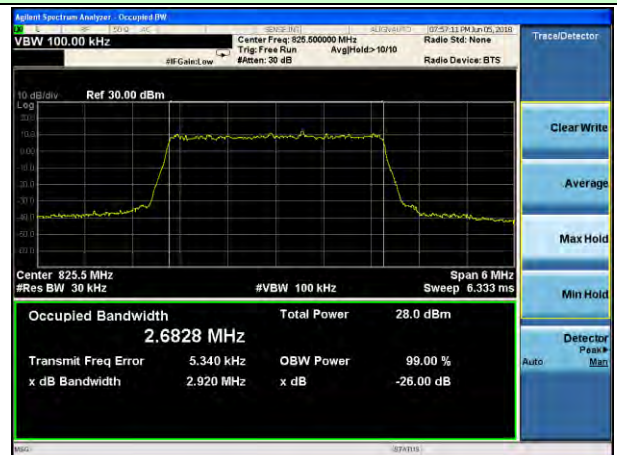
Highest channel

Test Mode: LTE Band 5
Modulation: 16QAM
Channel Bandwidth: 1.4MHz



Lowest channel

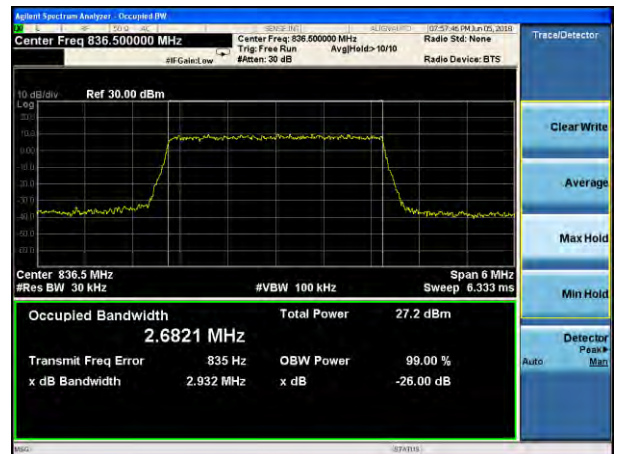
Test Mode: LTE Band 5
Modulation: 16QAM
Channel Bandwidth: 3MHz



Lowest channel



Middle channel



Middle channel



Highest channel



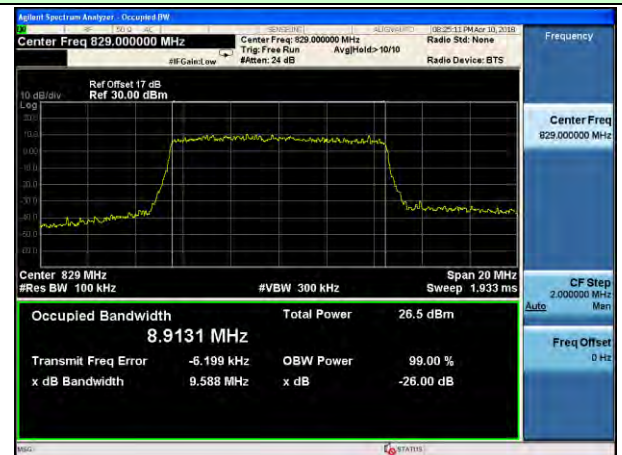
Highest channel

Test Mode: LTE Band 5
Modulation: 16QAM
Channel Bandwidth: 5MHz

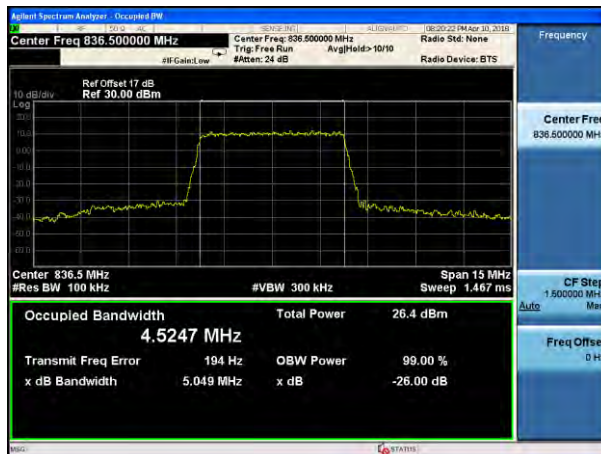
Test Mode: LTE Band 5
Modulation: 16QAM
Channel Bandwidth: 10MHz



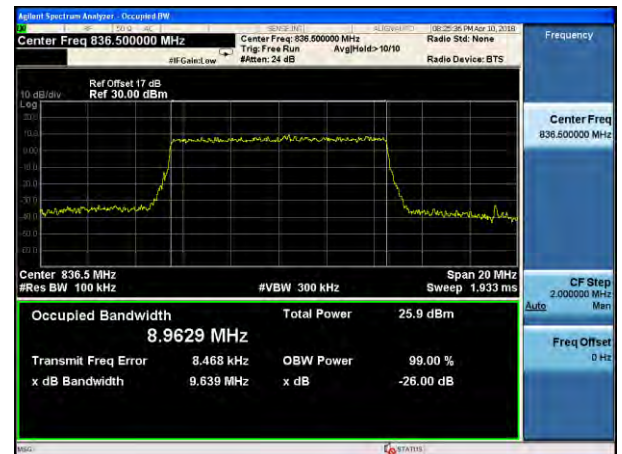
Lowest channel



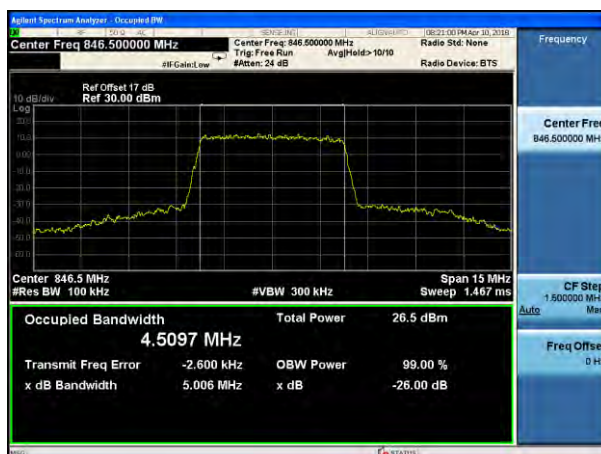
Lowest channel



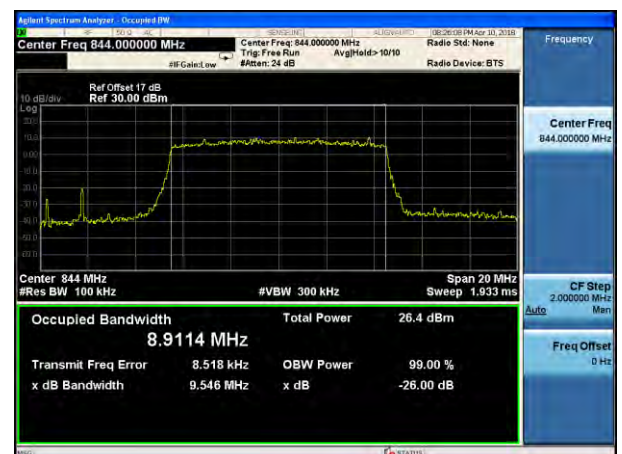
Middle channel



Middle channel



Highest channel



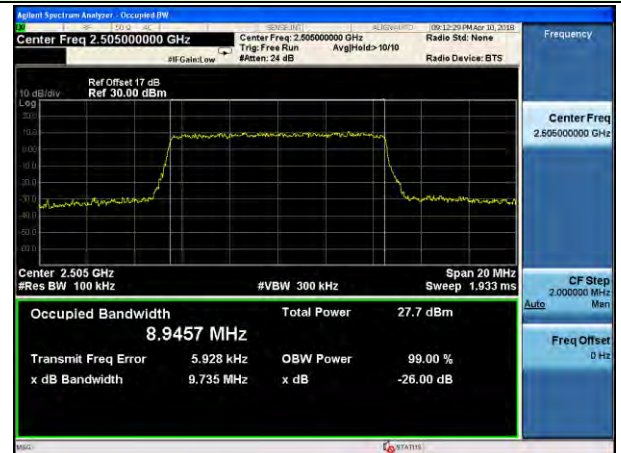
Highest channel

Test Mode: LTE Band 7
Modulation: QPSK
Channel Bandwidth: 5MHz

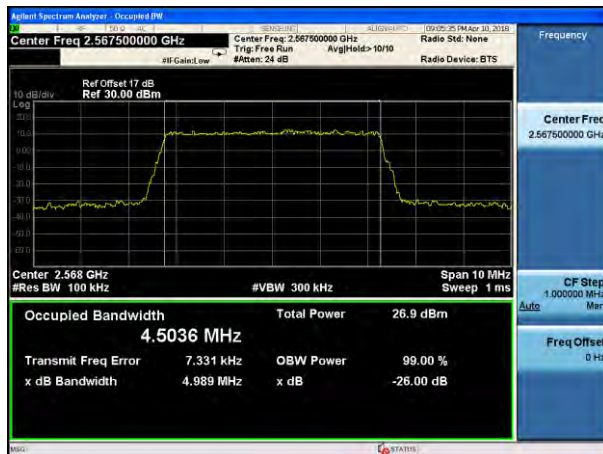
Test Mode: LTE Band 7
Modulation: QPSK
Channel Bandwidth: 10MHz



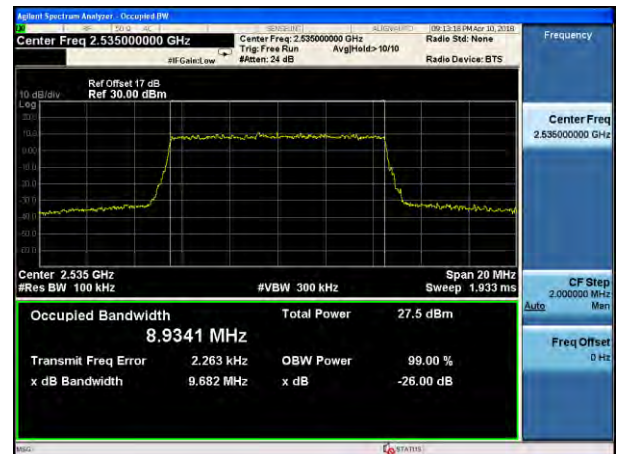
Lowest channel



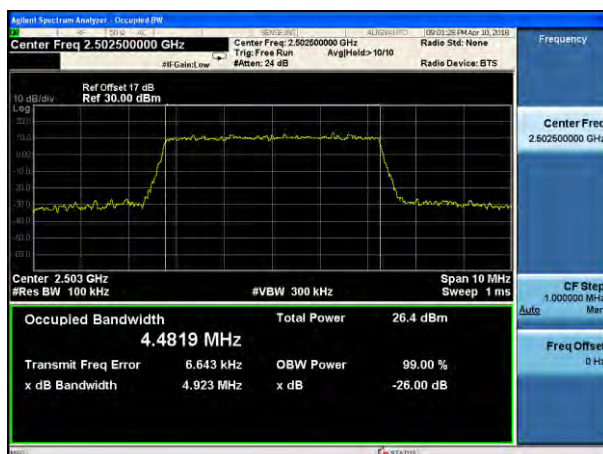
Lowest channel



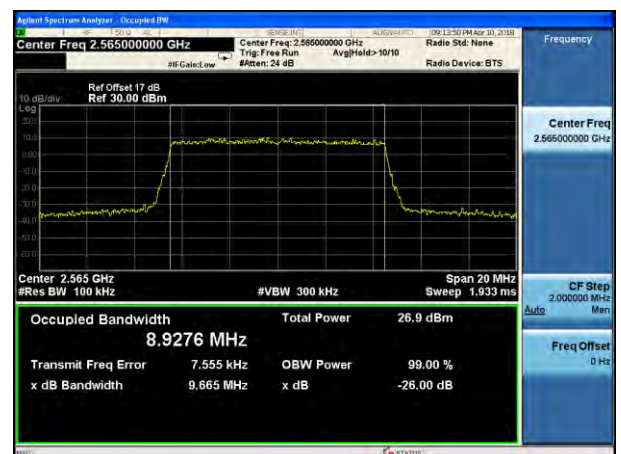
Middle channel



Middle channel



Highest channel



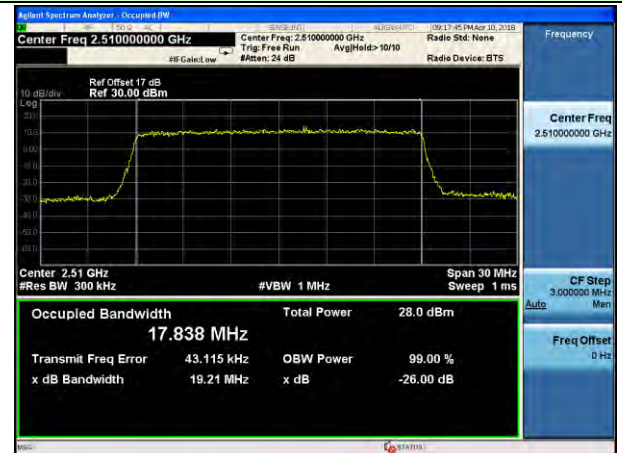
Highest channel

Test Mode: LTE Band 7
Modulation: QPSK
Channel Bandwidth: 15MHz

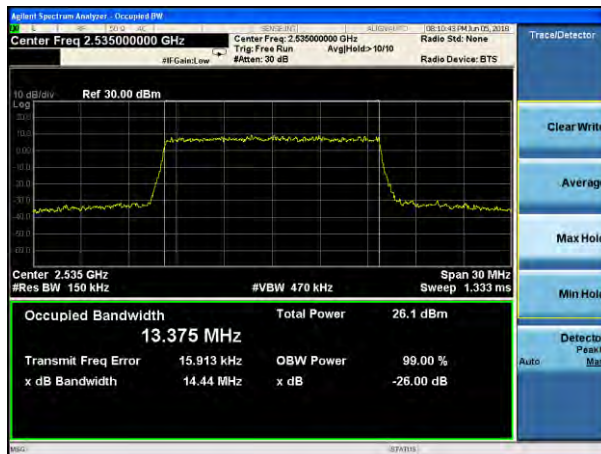
Test Mode: LTE Band 7
Modulation: QPSK
Channel Bandwidth: 20MHz



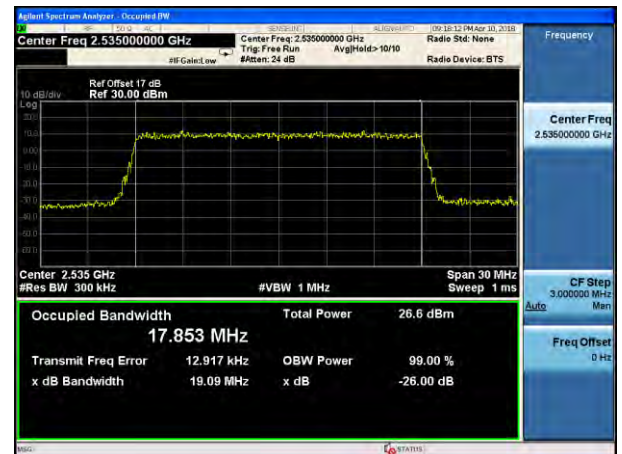
Lowest channel



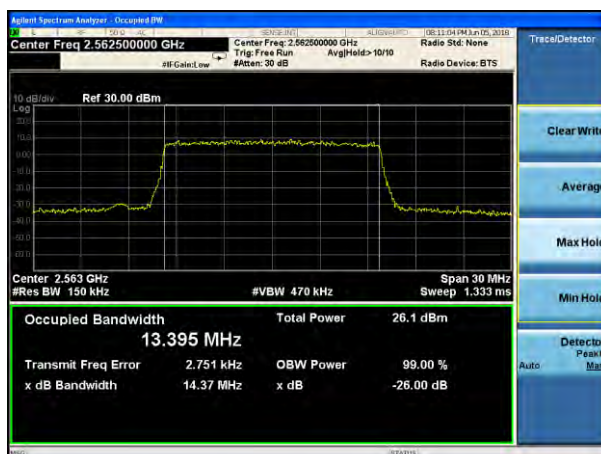
Lowest channel



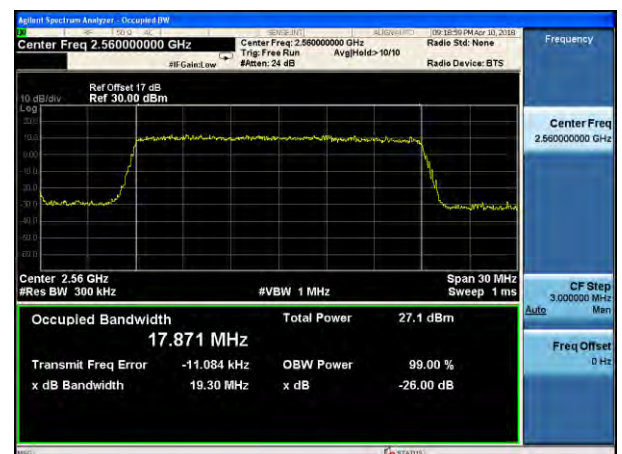
Middle channel



Middle channel



Highest channel



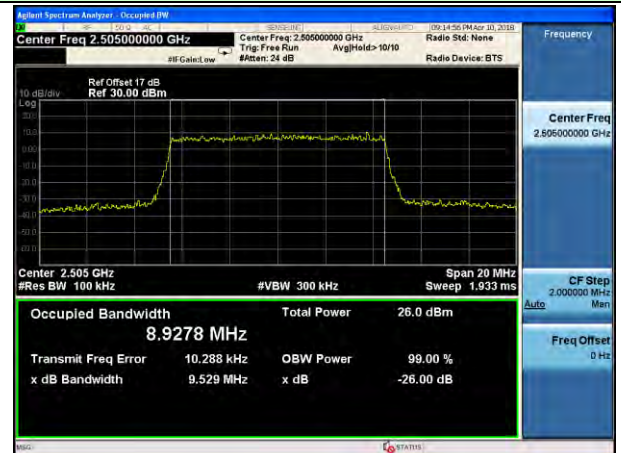
Highest channel

Test Mode: LTE Band 7
Modulation: 16QAM
Channel Bandwidth: 5MHz

Test Mode: LTE Band 7
Modulation: 16QAM
Channel Bandwidth: 10MHz



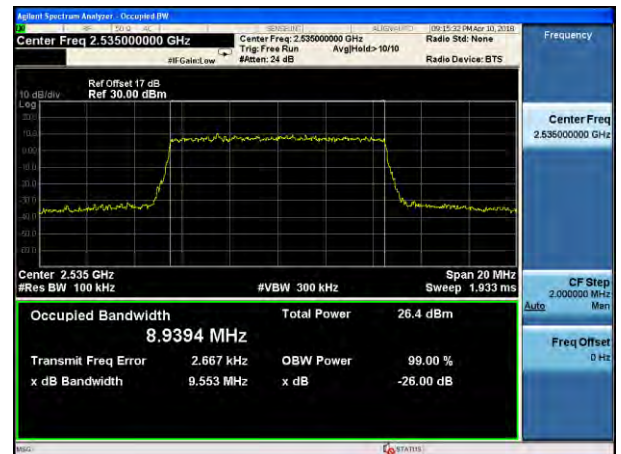
Lowest channel



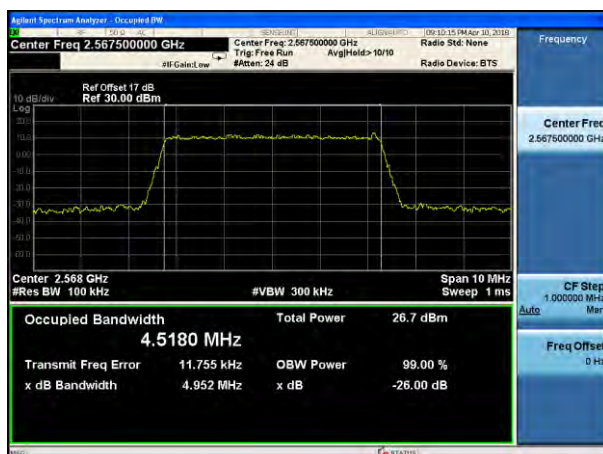
Lowest channel



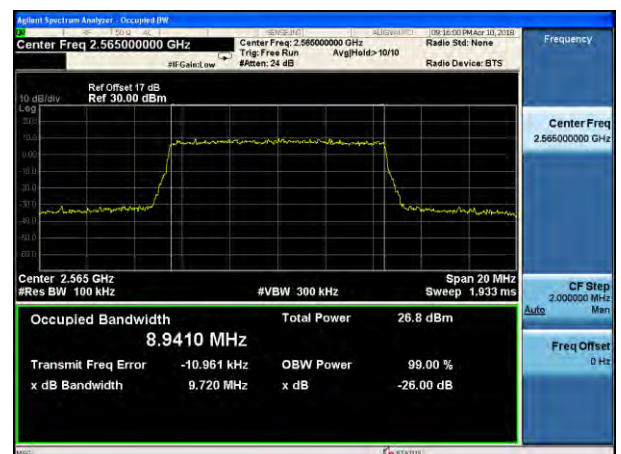
Middle channel



Middle channel



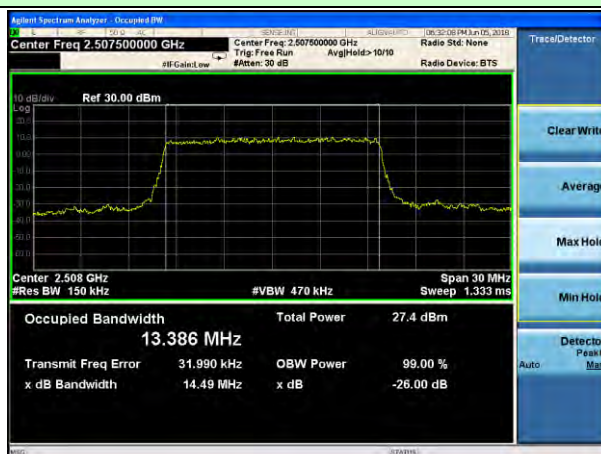
Highest channel



Highest channel

Test Mode: LTE Band 7
Modulation: 16QAM
Channel Bandwidth: 15MHz

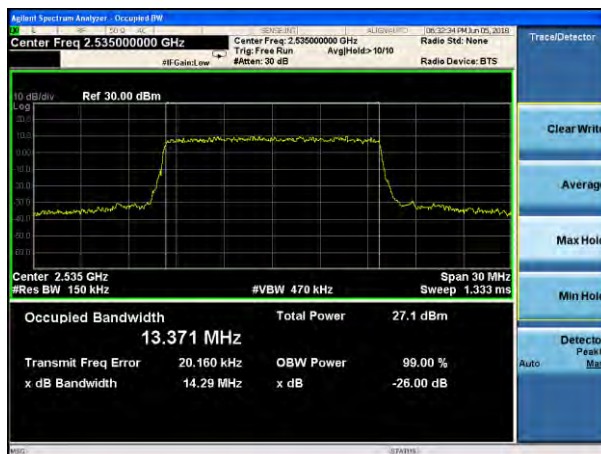
Test Mode: LTE Band 7
Modulation: 16QAM
Channel Bandwidth: 20MHz



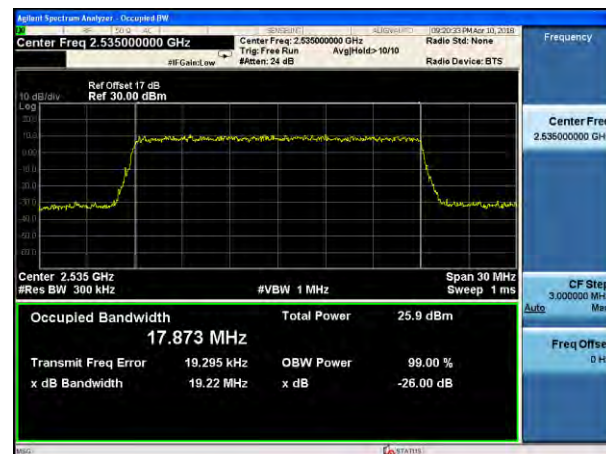
Lowest channel



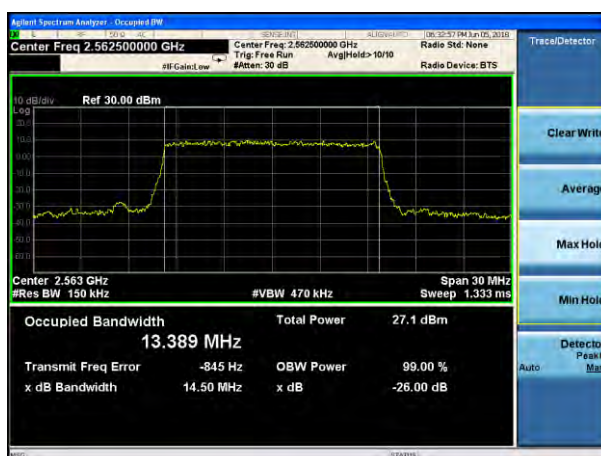
Lowest channel



Middle channel



Middle channel



Highest channel



Highest channel

Test Mode: LTE Band 17
Modulation: QPSK
Channel Bandwidth: 5MHz

Test Mode: LTE Band 17
Modulation: QPSK
Channel Bandwidth: 10MHz



Lowest channel



Lowest channel



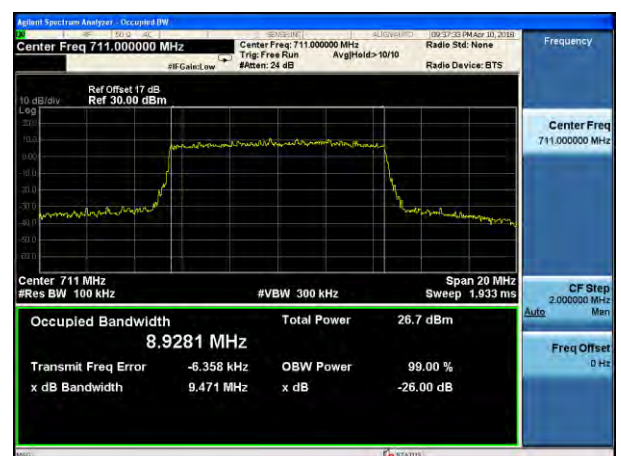
Middle channel



Middle channel



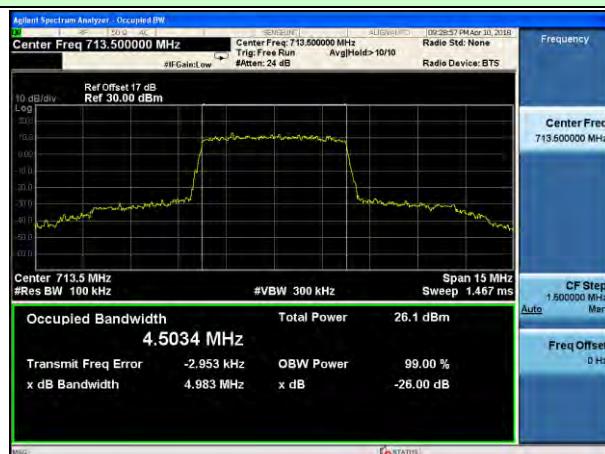
Highest channel



Highest channel

Test Mode: LTE Band 17
Modulation: 16QAM
Channel Bandwidth: 5MHz

Test Mode: LTE Band 17
Modulation: 16QAM
Channel Bandwidth: 10MHz



Lowest channel



Lowest channel



Middle channel



Middle channel



Highest channel



Highest channel

Note: All the above data are the worst result of all modulation, bandwidth, RB test