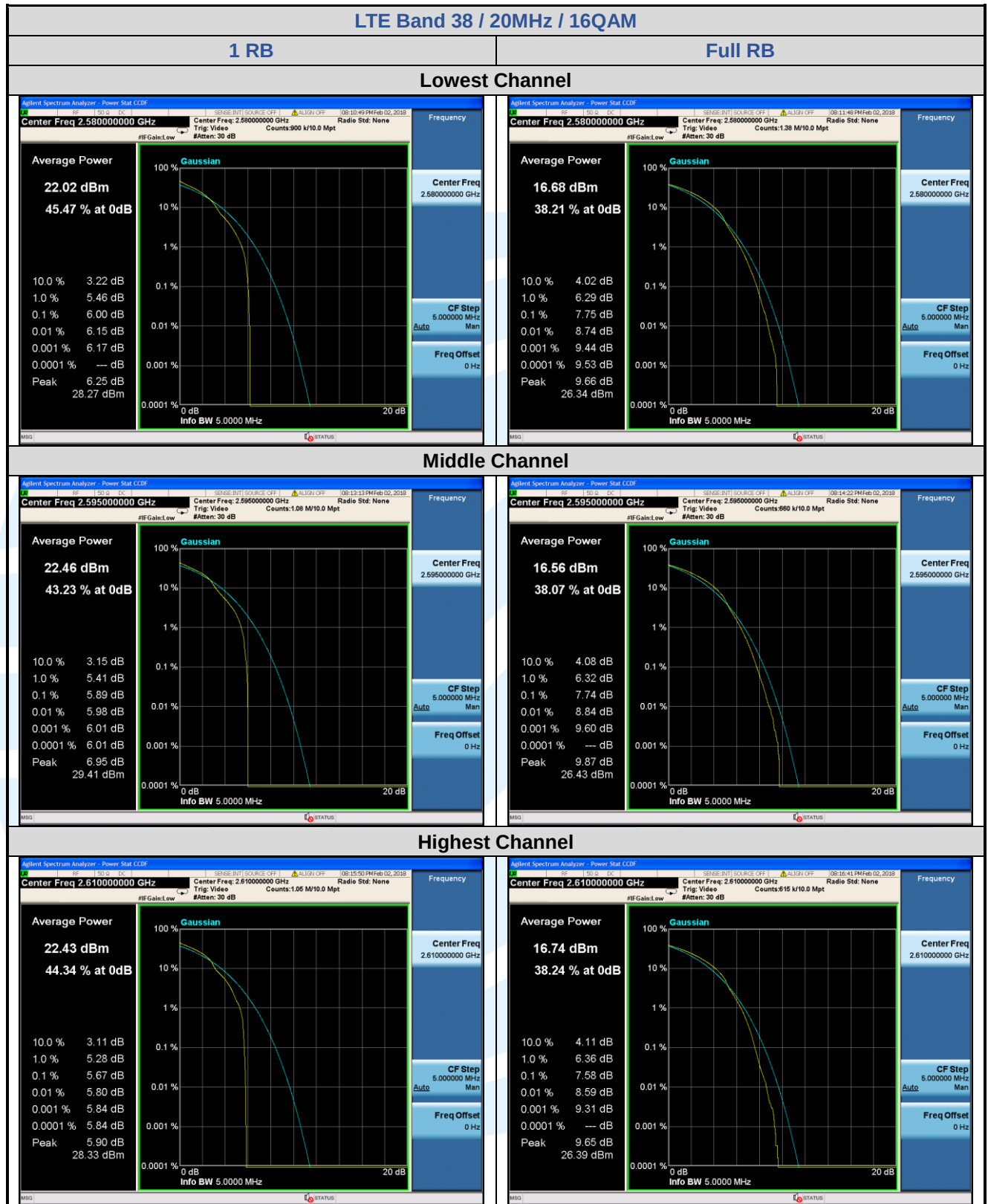
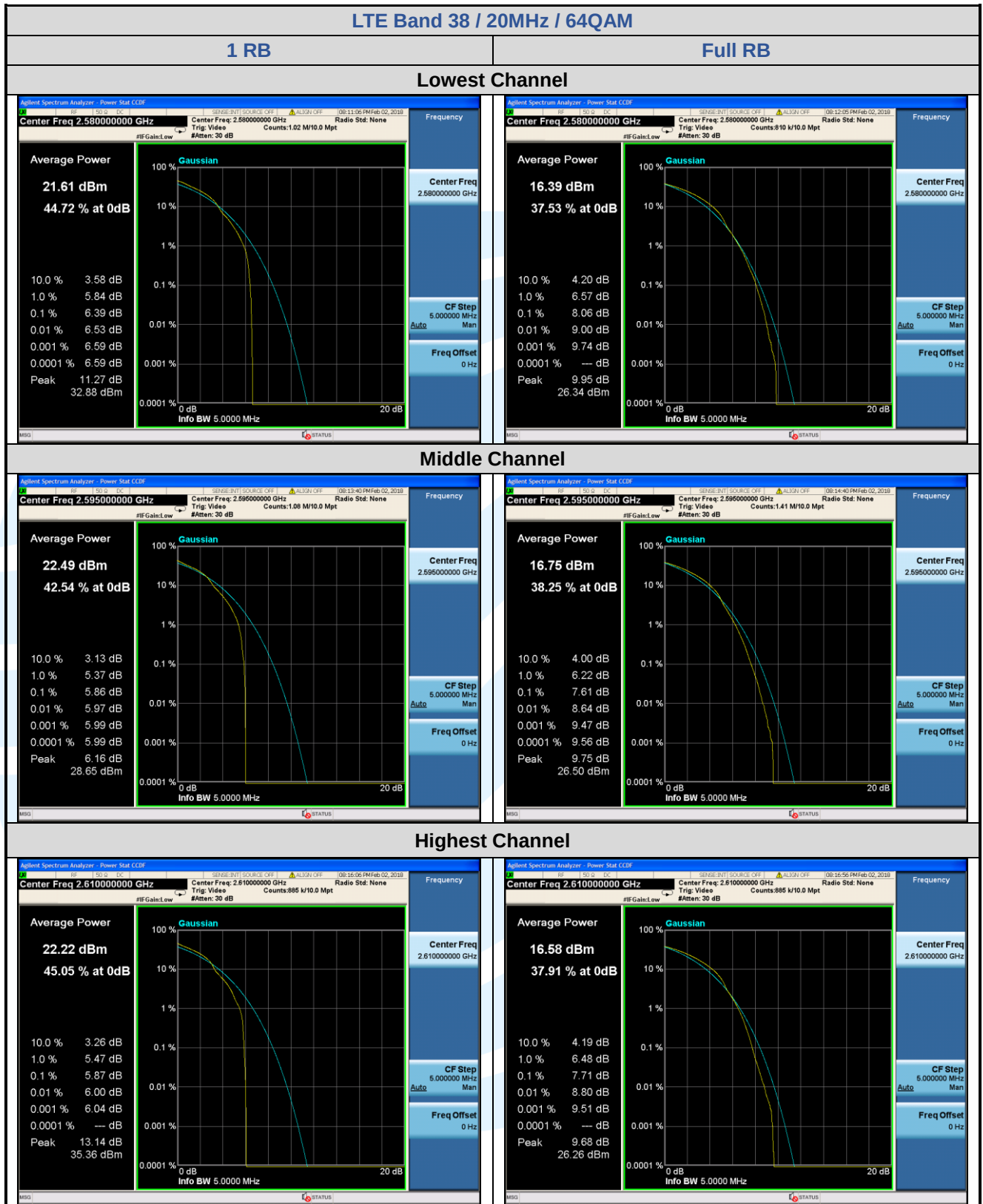






5.5 99%&26DB BANDWIDTH

Test Requirement: FCC 47 CFR Part 2.1049(h) & FCC 47 CFR Part 24.238(b)

Test Method: ANSI/TIA-603-E-2016 & KDB 971168 D01v03

Limit: No Limit

Test Procedure:

The transmitter output was connected to a calibrated coaxial cable and coupler, the other end of which was connected to a spectrum analyzer. The occupied bandwidth was measured with the spectrum analyzer at the low, middle and high channel in each band. The 99% and -26dB bandwidths was also measured and recorded.

Note: The cable loss and attenuator loss were offset into measure device as an amplitude offset.

Test Setup: Refer to section 4.2.2 for details.

Instruments Used: Refer to section 3 for details

Test Mode: Link mode

Test Results: Pass

Test Data: See table below

5.5.1 LTE Band 4

LTE Band 4								
Channel	RB Configuration		26 dB BW (MHz)			99% BW (MHz)		
	Size	Offset	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
Channel Bandwidth: 1.4 MHz								
Lowest	6	0	1.243	1.228	1.229	1.0921	1.0876	1.0843
Middle	6	0	1.233	1.246	1.249	1.0936	1.0945	1.0938
Highest	6	0	1.229	1.226	1.224	1.0927	1.0919	1.0913
Channel Bandwidth: 3 MHz								
Lowest	15	0	2.978	2.975	3.016	2.7007	2.7003	2.7027
Middle	15	0	3.009	3.001	3.002	2.7119	2.7023	2.6949
Highest	15	0	2.995	2.961	2.977	2.6888	2.6878	2.6974
Channel Bandwidth: 5 MHz								
Lowest	25	0	4.985	4.983	4.964	4.5056	4.5291	4.5288
Middle	25	0	4.954	4.954	5.010	4.5074	4.5185	4.5238
Highest	25	0	4.924	4.970	4.979	4.5068	4.4954	4.4941
Channel Bandwidth: 10 MHz								
Lowest	50	0	9.751	9.752	9.738	8.9768	8.9900	8.9712
Middle	50	0	9.905	9.725	9.889	9.0039	8.9955	9.0027
Highest	50	0	9.845	9.753	9.753	8.9692	8.9745	8.9655
Channel Bandwidth: 15 MHz								
Lowest	75	0	14.63	14.50	14.50	13.430	13.453	13.445
Middle	75	0	14.66	14.52	14.50	13.496	13.531	13.474
Highest	75	0	14.35	14.44	14.59	13.431	13.418	13.445
Channel Bandwidth: 20 MHz								
Lowest	100	0	19.30	19.36	19.45	17.908	17.961	17.953
Middle	100	0	19.44	19.45	19.17	18.000	18.035	18.051
Highest	100	0	19.34	19.17	19.17	17.902	17.911	17.875

