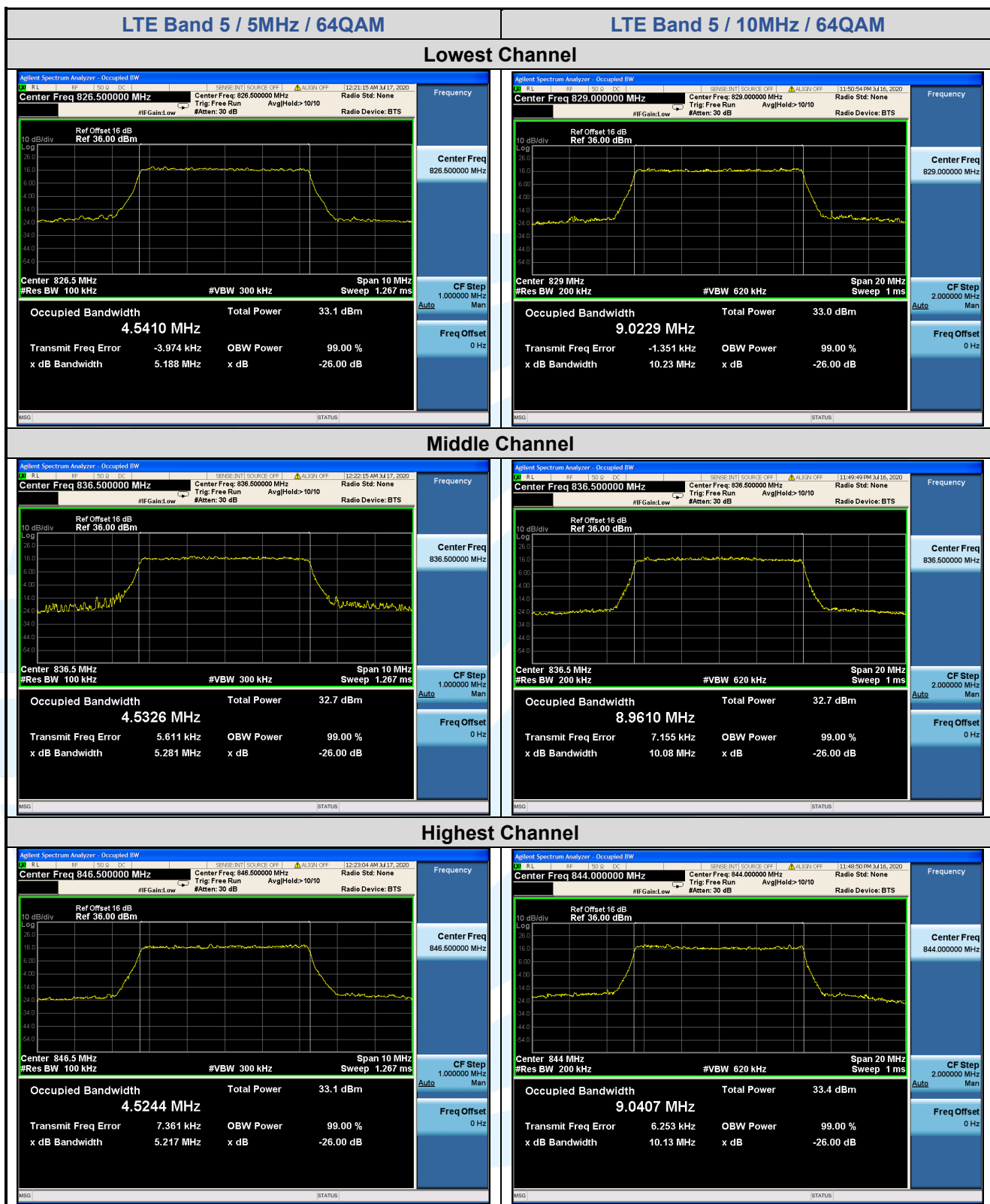
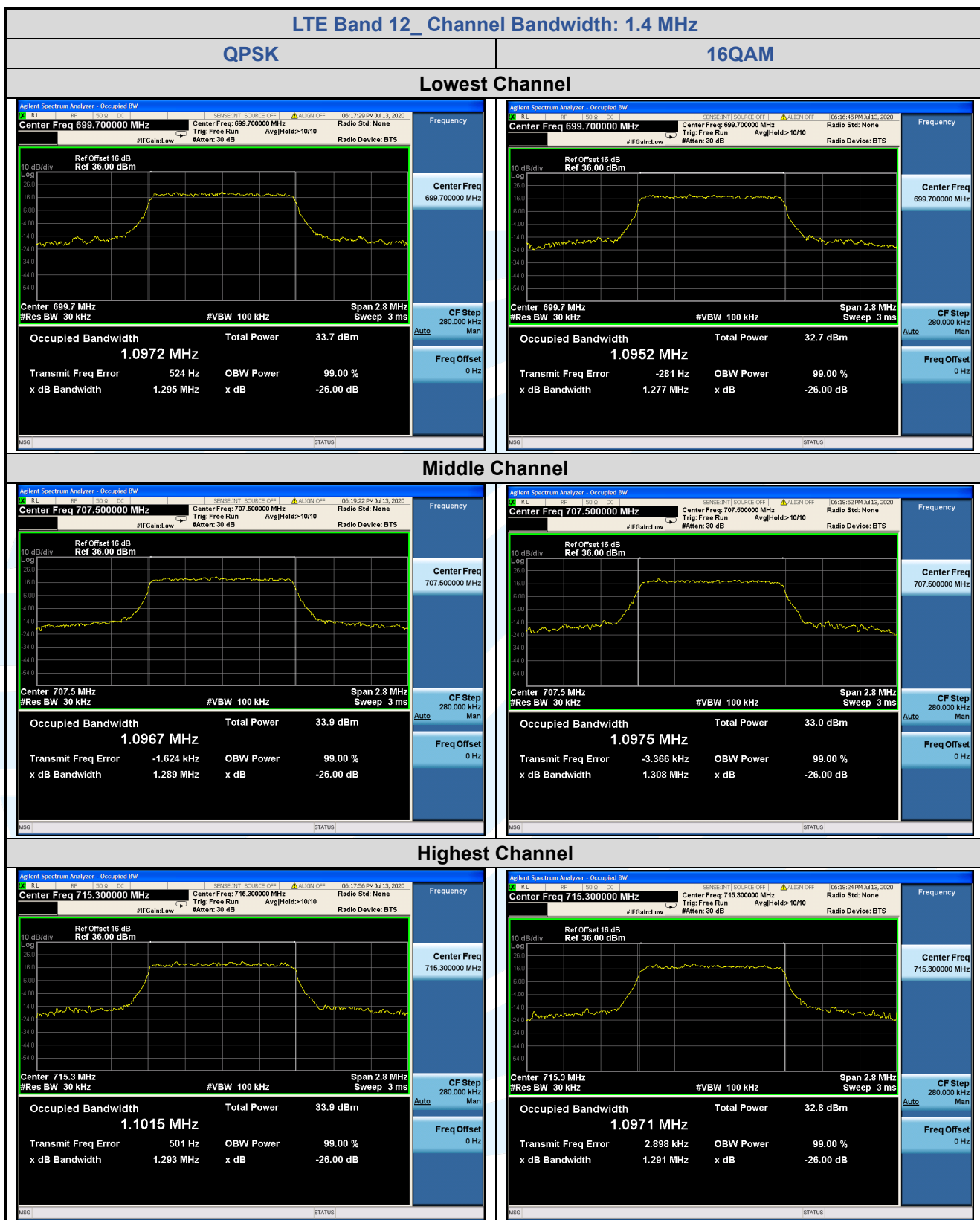
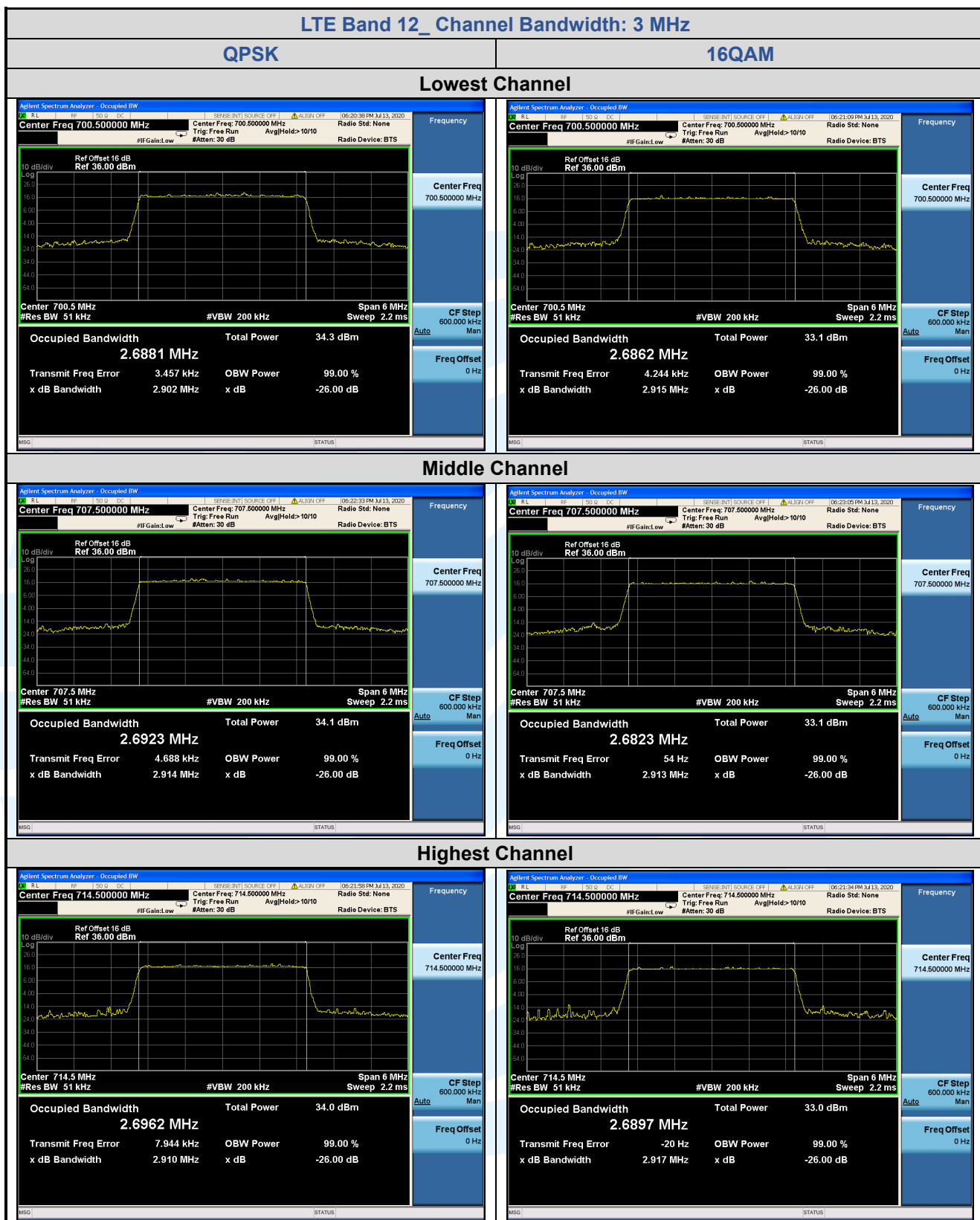


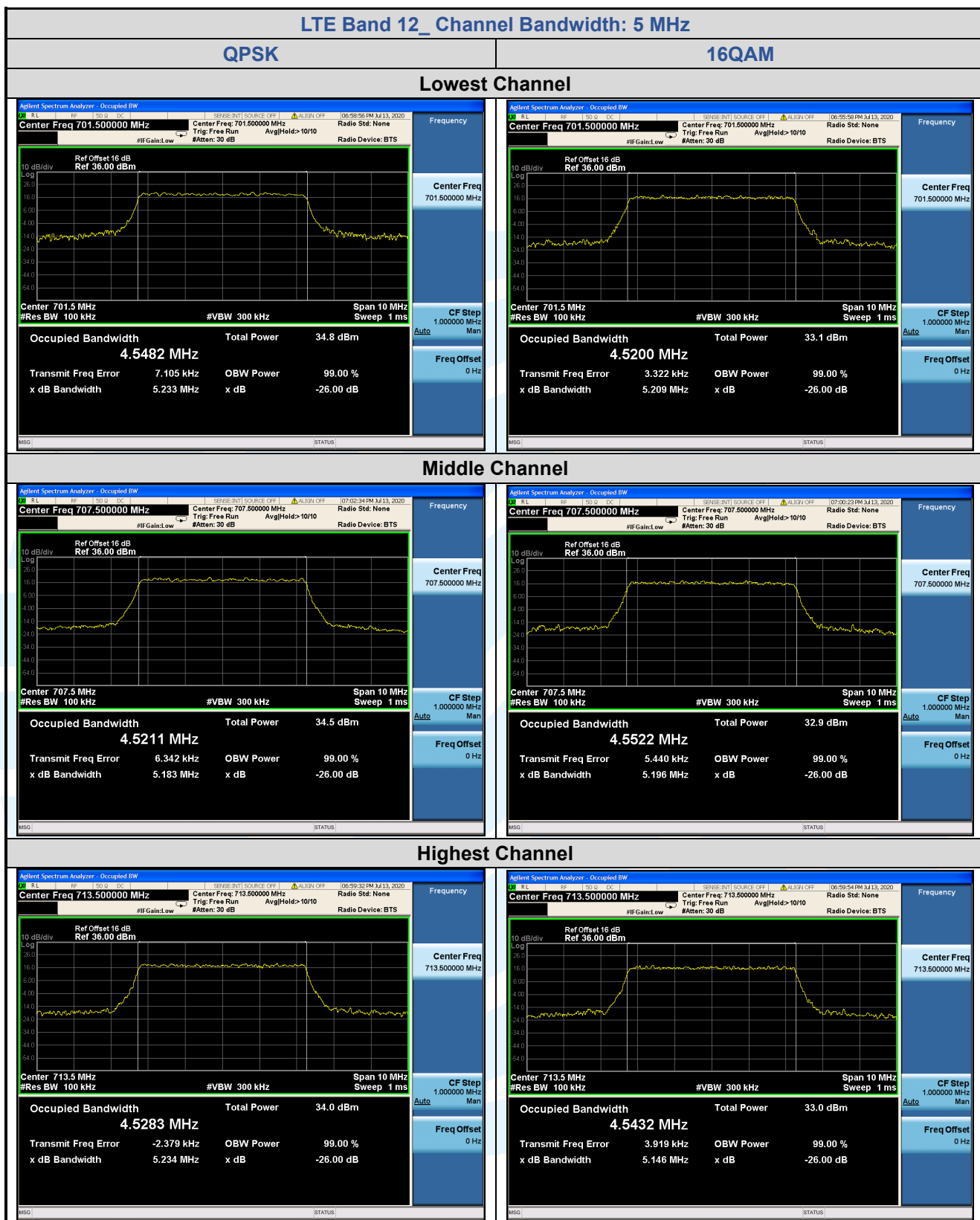


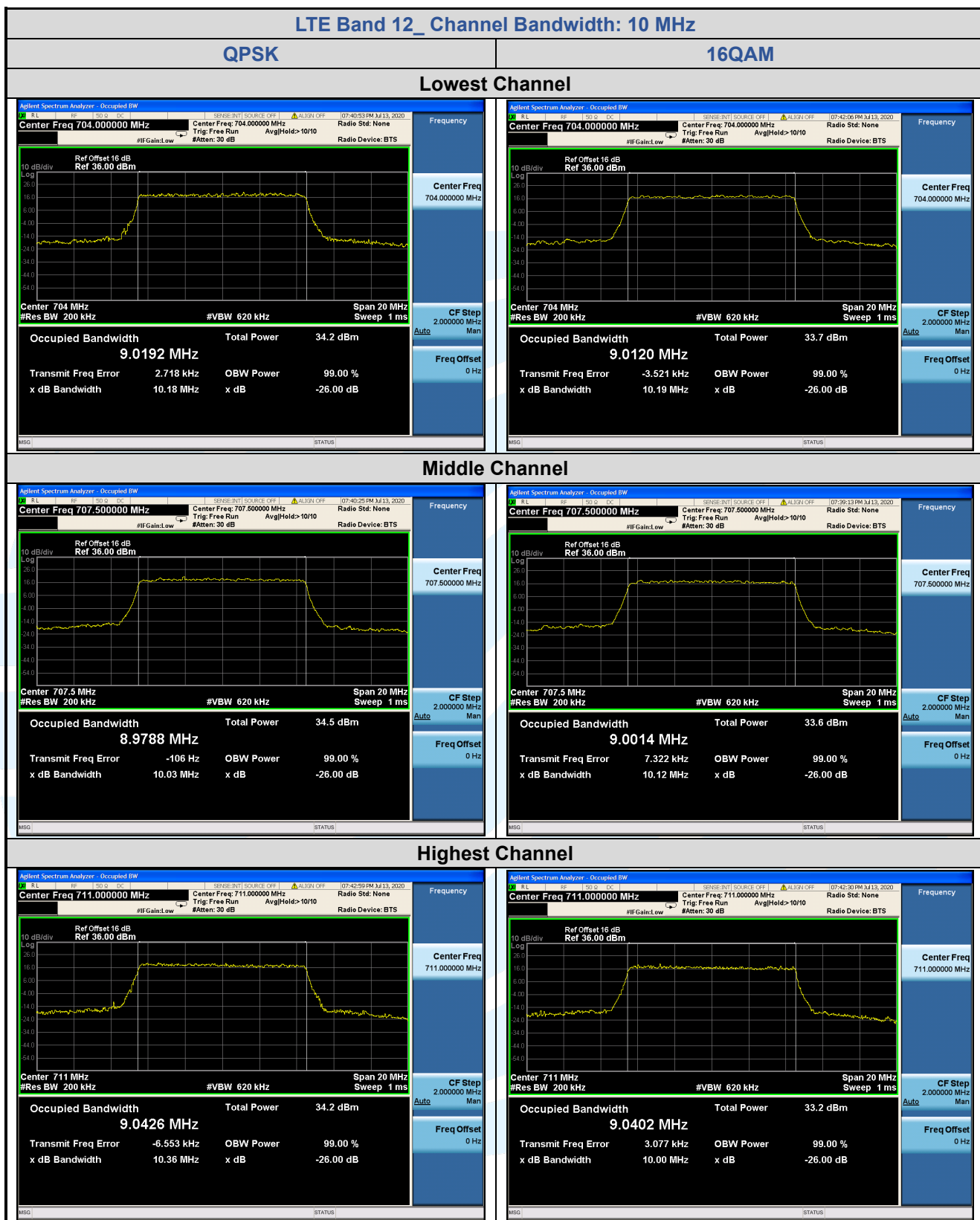
5.5.4 LTE Band 12

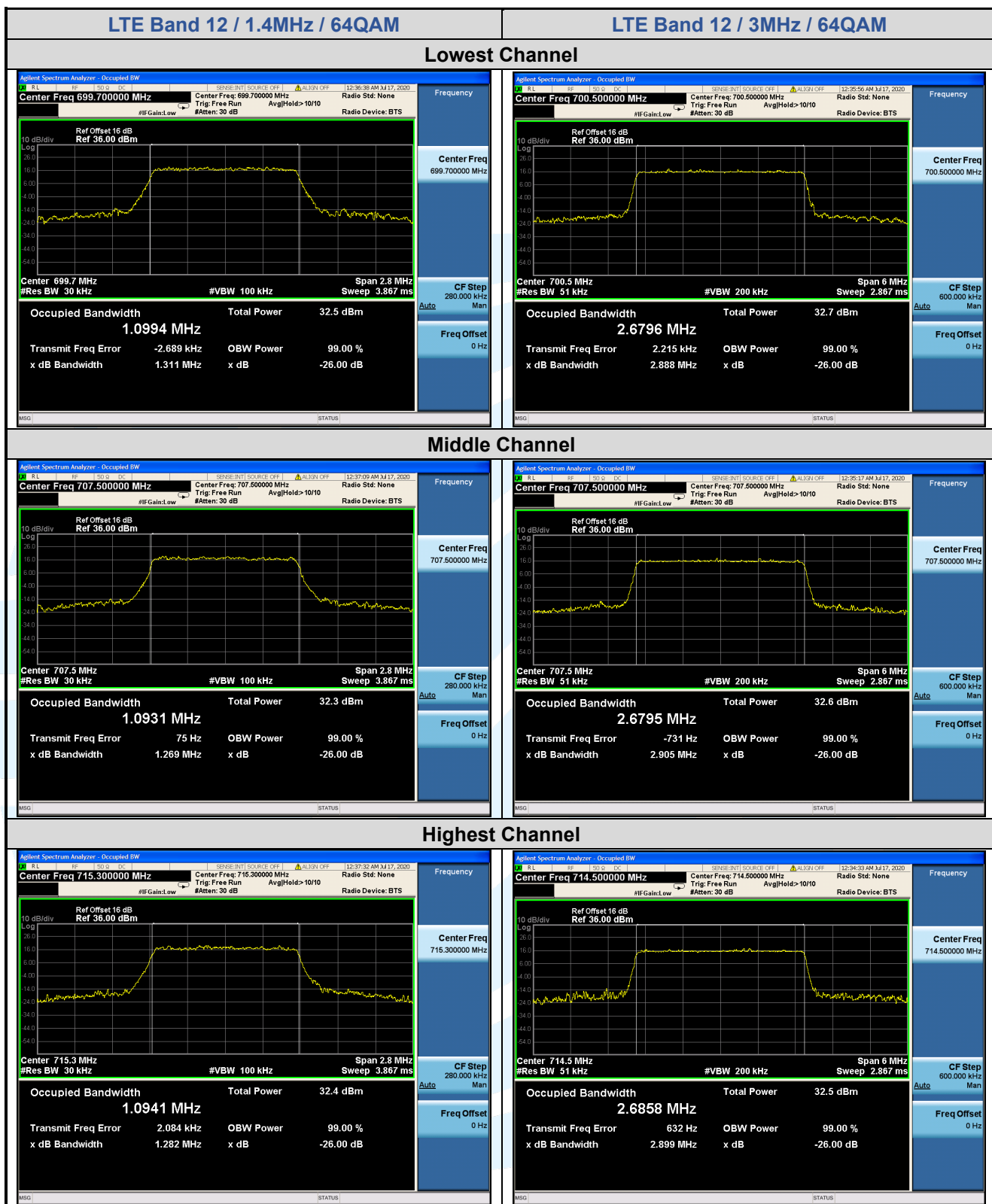
LTE Band 12								
Channel	RB Configuration		26 dB BW (MHz)			99% BW (MHz)		
	Size	Offset	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
Channel Bandwidth: 1.4 MHz								
Lowest	6	0	1.295	1.277	1.311	1.0972	1.0952	1.0994
Middle	6	0	1.289	1.308	1.269	1.0967	1.0975	1.0931
Highest	6	0	1.293	1.291	1.282	1.1015	1.0971	1.0941
Channel Bandwidth: 3 MHz								
Lowest	15	0	2.902	2.915	2.888	2.6881	2.6862	2.6796
Middle	15	0	2.914	2.913	2.905	2.6923	2.6823	2.6795
Highest	15	0	2.910	2.917	2.899	2.6962	2.6897	2.6858
Channel Bandwidth: 5 MHz								
Lowest	25	0	5.233	5.209	5.180	4.5482	4.5200	4.5415
Middle	25	0	5.183	5.196	5.217	4.5211	4.5522	4.5287
Highest	25	0	5.234	5.146	5.195	4.5283	4.5432	4.5219
Channel Bandwidth: 10 MHz								
Lowest	50	0	10.18	10.19	10.11	9.0192	9.0120	9.0094
Middle	50	0	10.03	10.12	9.973	8.9788	9.0014	8.9888
Highest	50	0	10.36	10.00	10.13	9.0426	9.0402	9.0100

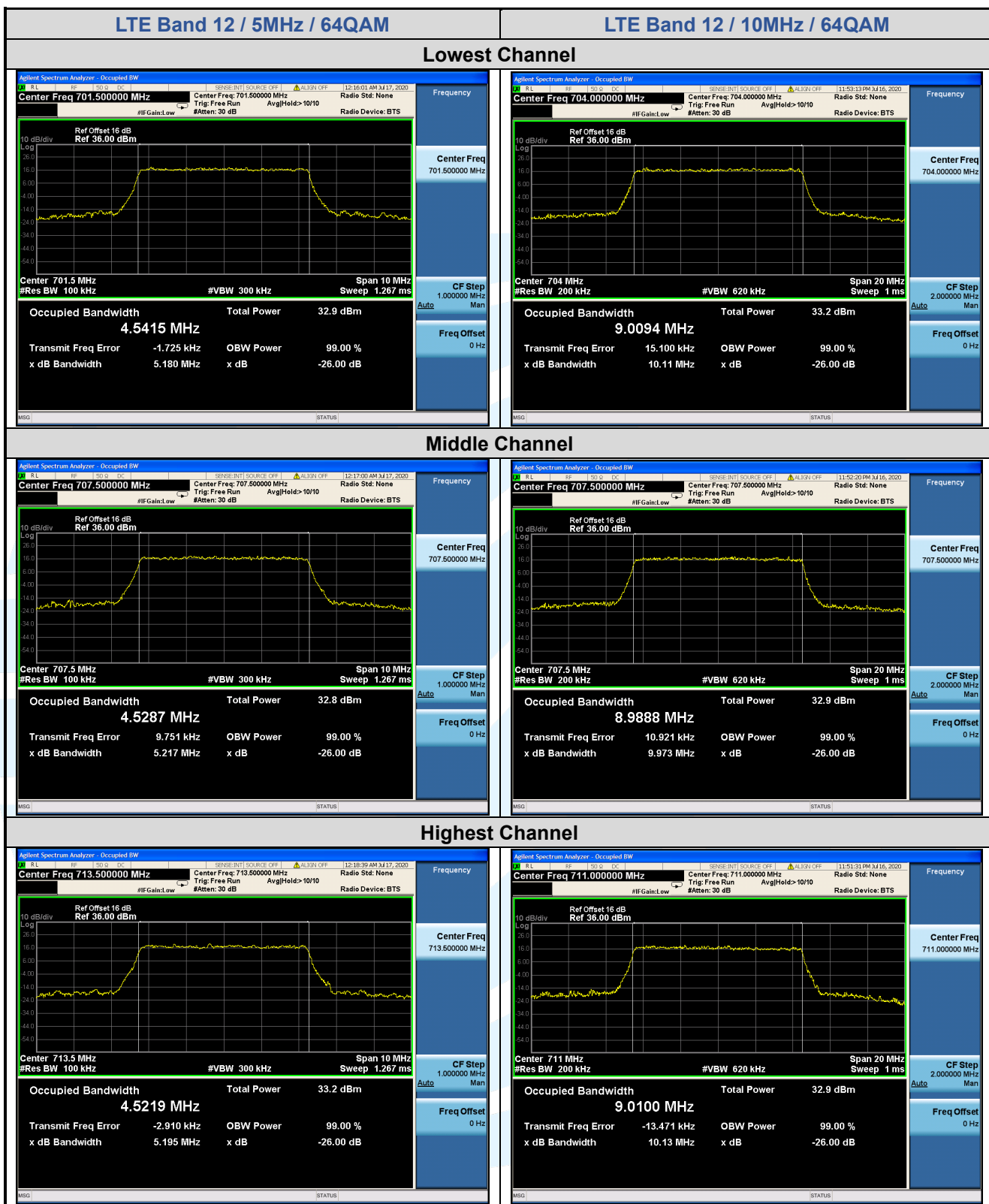






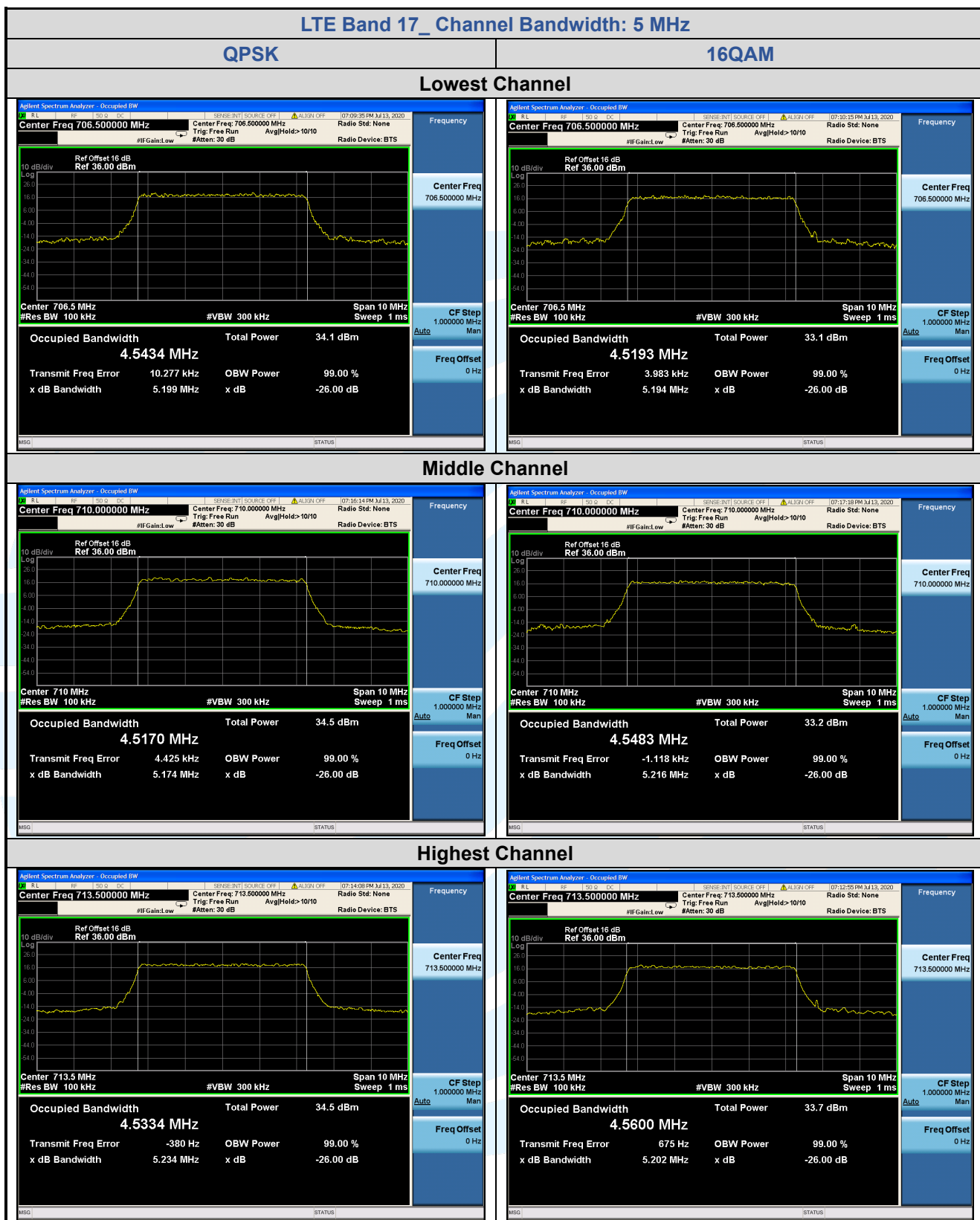


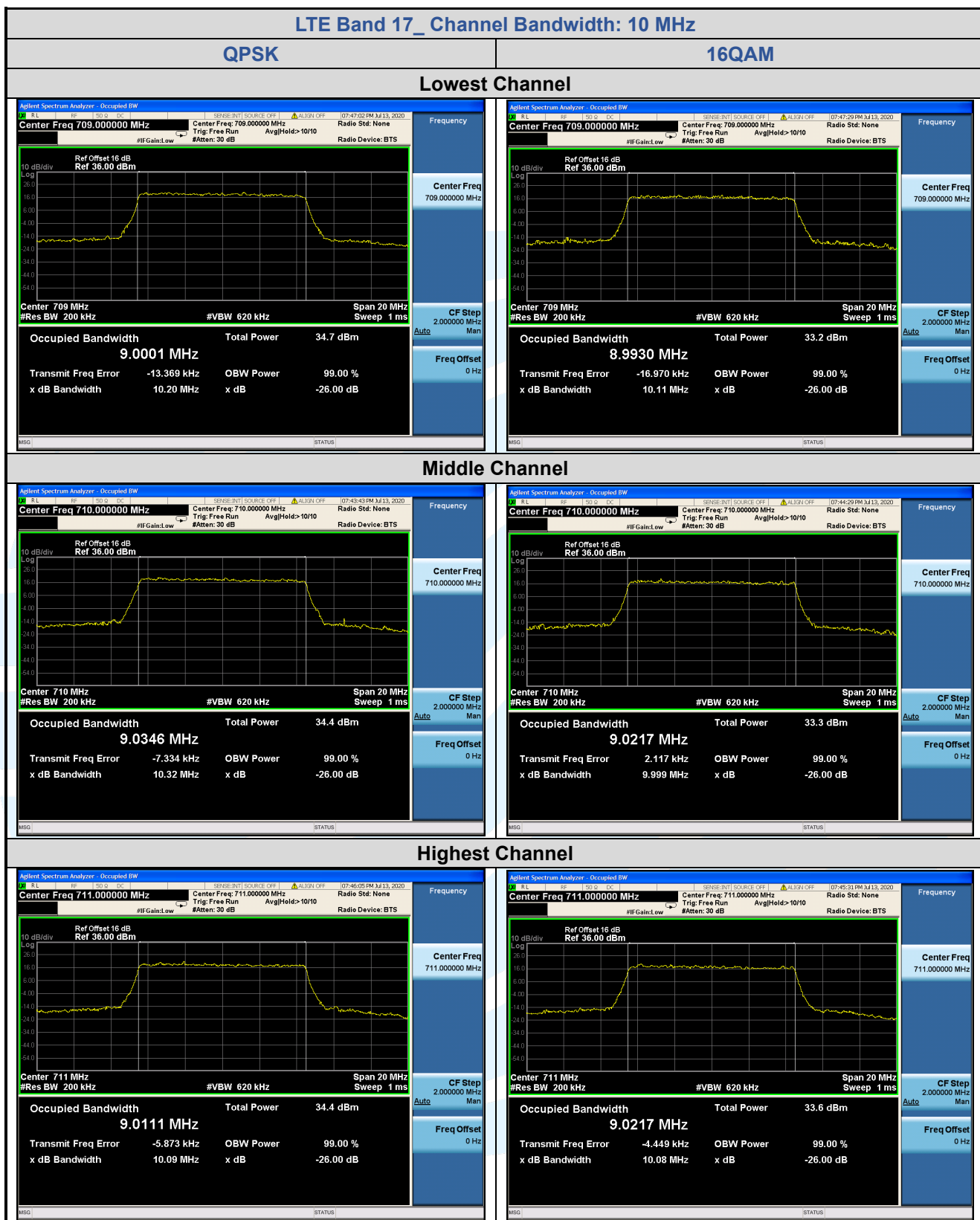


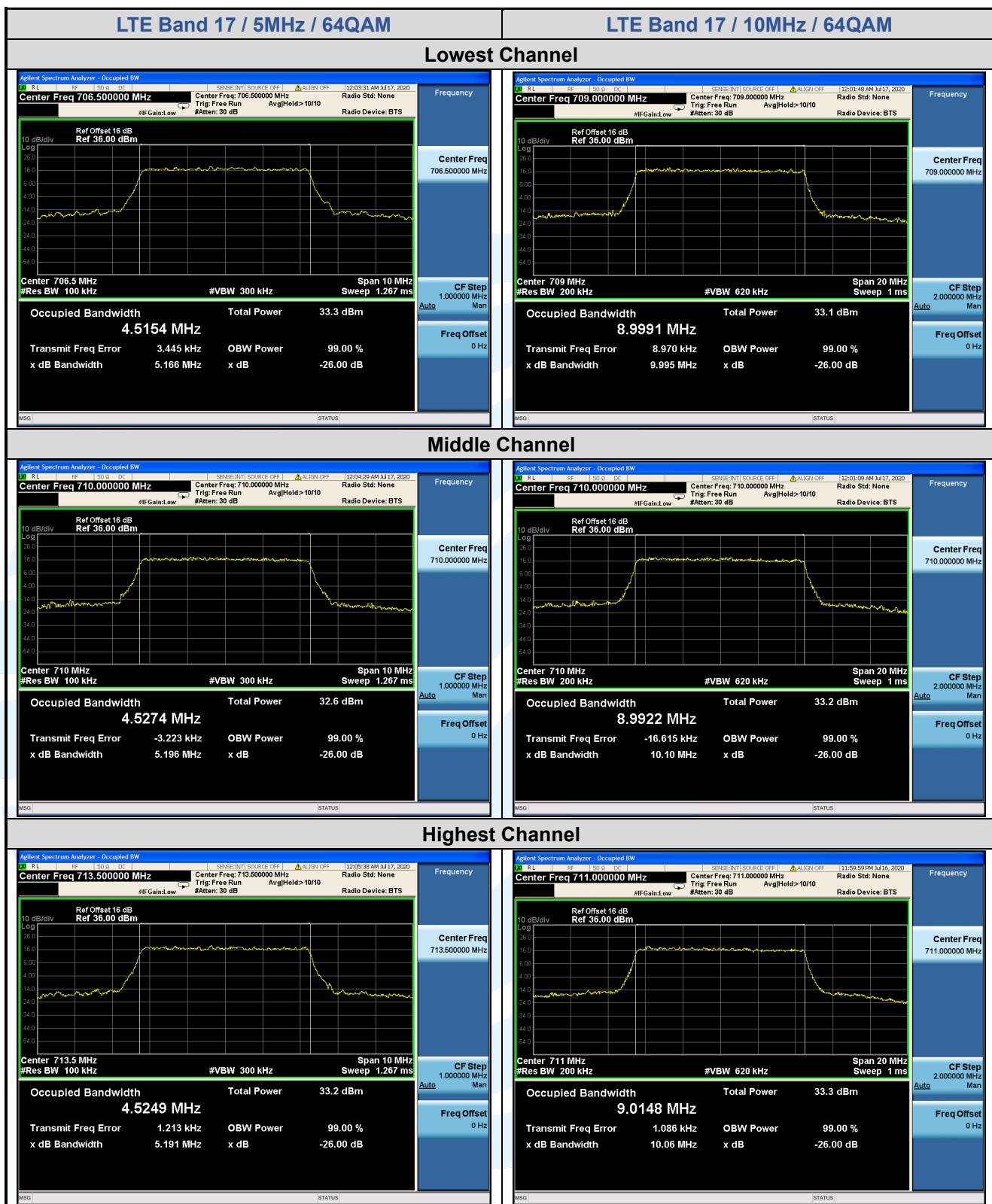


5.5.5 LTE Band 17

LTE Band 17								
Channel	RB Configuration		26 dB BW (MHz)			99% BW (MHz)		
	Size	Offset	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
Channel Bandwidth: 5 MHz								
Lowest	25	0	5.199	5.194	5.166	4.5434	4.5193	4.5154
Middle	25	0	5.174	5.216	5.196	4.5170	4.5483	4.5274
Highest	25	0	5.234	5.202	5.191	4.5334	4.5600	4.5249
Channel Bandwidth: 10 MHz								
Lowest	50	0	10.20	10.11	9.995	9.0001	8.9930	8.9991
Middle	50	0	10.32	9.999	10.10	9.0346	9.0217	8.9922
Highest	50	0	10.09	10.08	10.06	9.0111	9.0217	9.0148







5.6 BAND EDGE AT ANTENNA TERMINALS

Test Requirement: LTE Band 2: FCC 47 CFR Part 24.238(a)
LTE Band 4: FCC 47 CFR Part 27.53(h)(1)
LTE Band 5: FCC 47 CFR Part 22.917(a)
LTE Band 12 & Band 17: FCC 47 CFR Part 27.53(g)

Test Method: ANSI C63.26-2015 & KDB 971168 D01v03r01

Limit:

FCC 47 CFR Part 24.238(a), 27.53(h)(1), 22.917(a) :

The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10 \log(P)$ dB. The emission limit equal to -13 dBm.

FCC 47 CFR Part 27.53(g):

For operations in the 600 MHz band and the 698-746 MHz band, the power of any emission outside a licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, by at least $43 + 10 \log(P)$ dB. Compliance with this provision is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kilohertz or greater. However, in the 100 kilohertz bands immediately outside and adjacent to a licensee's frequency block, a resolution bandwidth of at least 30 kHz may be employed.

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.

For each band edge measurement:

- 1) Set the spectrum analyzer span to include the block edge frequency.
- 2) Set a marker to point the corresponding band edge frequency in each test case.
- 3) Set display line at -13 dBm
- 4) Set resolution bandwidth to at least 1% of emission bandwidth.
- 5) Set spectrum analyzer with RMS detector.
- 6) Record the max trace plot into the test report

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

5.6.1 LTE Band 2

