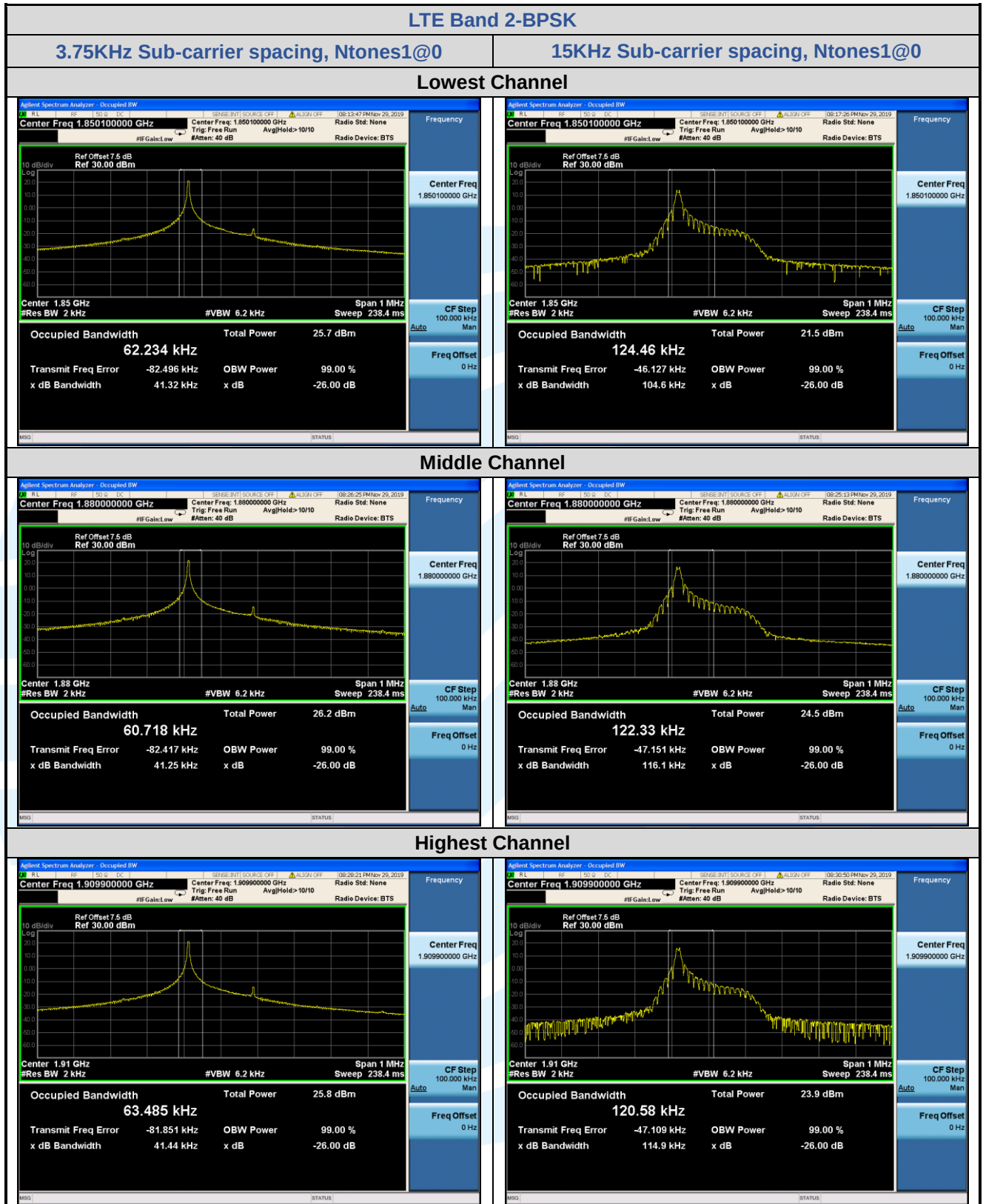
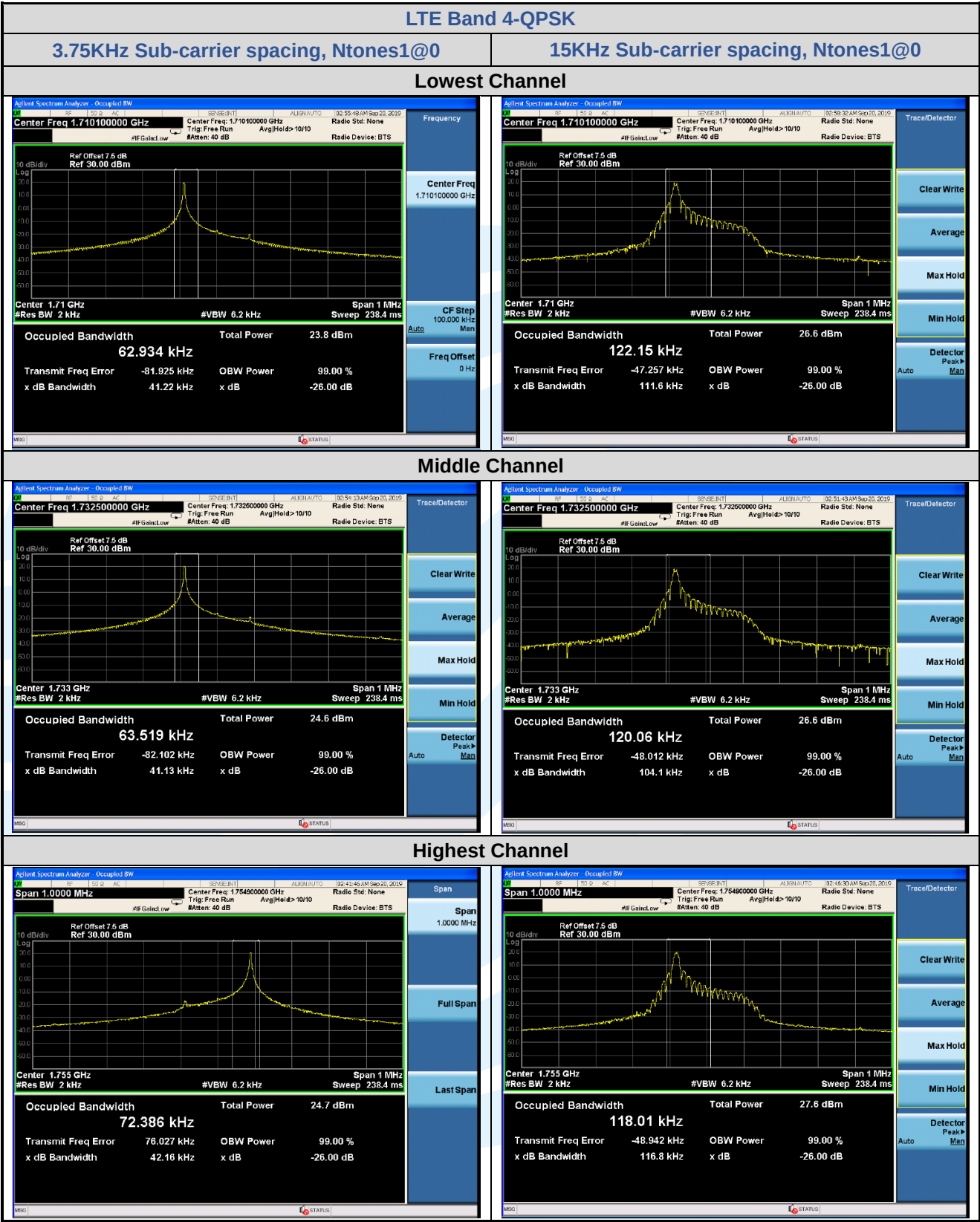




5.5.2 LTE Band 4

LTE Band 4								
Modulation	Sub-carrier spacing (KHz)	Ntones	Bandwidth(KHz) for low/mid/high channel					
			19951/1710.1		20175/1732.5		20399/1754.9	
			99% (KHz)	-26dBc (KHz)	99% (KHz)	-26dBc (KHz)	99% (KHz)	-26dBc (KHz)
QPSK	3.75	1@0	62.934	41.22	63.519	41.130	72.386	42.16
QPSK	15	1@0	122.15	111.6	120.06	104.1	118.01	116.8
QPSK	3.75	1@0	62.934	41.22	63.519	41.13	72.386	42.16
BPSK	3.75	1@0	60.272	41.49	60.403	41.43	61.406	41.31
BPSK	15	1@0	122.02	106.4	122.33	104.4	107.88	100.7



Middle Channel

Agilent Spectrum Analyzer - Occupied BW

Center Freq 1.732500000 GHz

Ref Offset 7.5 dB
Ref 30.00 dBm

Occupied Bandwidth
63.519 kHz

Total Power
24.6 dBm

Transmit Freq Error
-82.102 kHz

OBW Power
99.00 %

x dB Bandwidth
41.13 kHz

x dB
-26.00 dB

Center Freq 1.732500000 GHz

Center Freq: 1.732500000 GHz

Trig: Free Run

AvgHold: 10/10

Radio Std: None

Radio Device: BTS

Span 1 MHz

#Res BW 2 kHz

#VBW 6.2 kHz

Sweep 238.4 ms

CF Step 100.000 kHz

Freq Offset 0 Hz

Clear Write

Average

Max Hold

Min Hold

Detector Peak

Auto

Man

Agilent Spectrum Analyzer - Occupied BW

Center Freq 1.732500000 GHz

Ref Offset 7.5 dB
Ref 30.00 dBm

Occupied Bandwidth
120.06 kHz

Total Power
26.6 dBm

Transmit Freq Error
-48.012 kHz

OBW Power
99.00 %

x dB Bandwidth
104.1 kHz

x dB
-26.00 dB

Center Freq 1.732500000 GHz

Center Freq: 1.732500000 GHz

Trig: Free Run

AvgHold: 10/10

Radio Std: None

Radio Device: BTS

Span 1 MHz

#Res BW 2 kHz

#VBW 6.2 kHz

Sweep 238.4 ms

CF Step 100.000 kHz

Freq Offset 0 Hz

Clear Write

Average

Max Hold

Min Hold

Detector Peak

Auto

Man

Highest Channel

Agilent Spectrum Analyzer - Occupied BW

Span 1.0000 MHz

Center Freq 1.754900000 GHz

Ref Offset 7.5 dB
Ref 30.00 dBm

Occupied Bandwidth
72.386 kHz

Total Power
24.7 dBm

Transmit Freq Error
76.027 kHz

OBW Power
99.00 %

x dB Bandwidth
42.16 kHz

x dB
-26.00 dB

Center Freq 1.754900000 GHz

Center Freq: 1.754900000 GHz

Trig: Free Run

AvgHold: 10/10

Radio Std: None

Radio Device: BTS

Span 1 MHz

#Res BW 2 kHz

#VBW 6.2 kHz

Sweep 238.4 ms

CF Step 100.000 kHz

Freq Offset 0 Hz

Clear Write

Average

Max Hold

Min Hold

Detector Peak

Auto

Man

Agilent Spectrum Analyzer - Occupied BW

Span 1.0000 MHz

Center Freq 1.754900000 GHz

Ref Offset 7.5 dB
Ref 30.00 dBm

Occupied Bandwidth
118.01 kHz

Total Power
27.6 dBm

Transmit Freq Error
-48.942 kHz

OBW Power
99.00 %

x dB Bandwidth
116.8 kHz

x dB
-26.00 dB

Center Freq 1.754900000 GHz

Center Freq: 1.754900000 GHz

Trig: Free Run

AvgHold: 10/10

Radio Std: None

Radio Device: BTS

Span 1 MHz

#Res BW 2 kHz

#VBW 6.2 kHz

Sweep 238.4 ms

CF Step 100.000 kHz

Freq Offset 0 Hz

Clear Write

Average

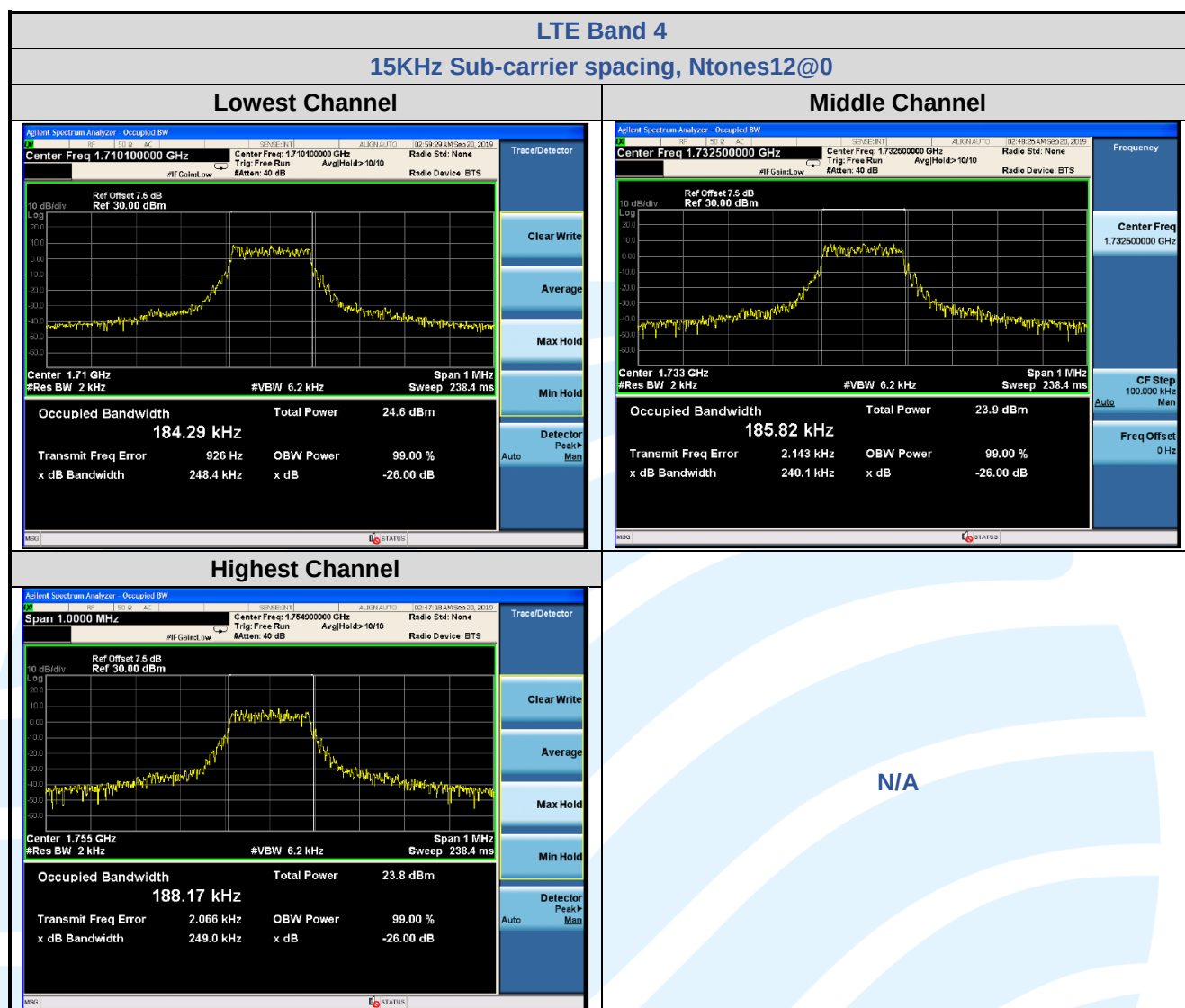
Max Hold

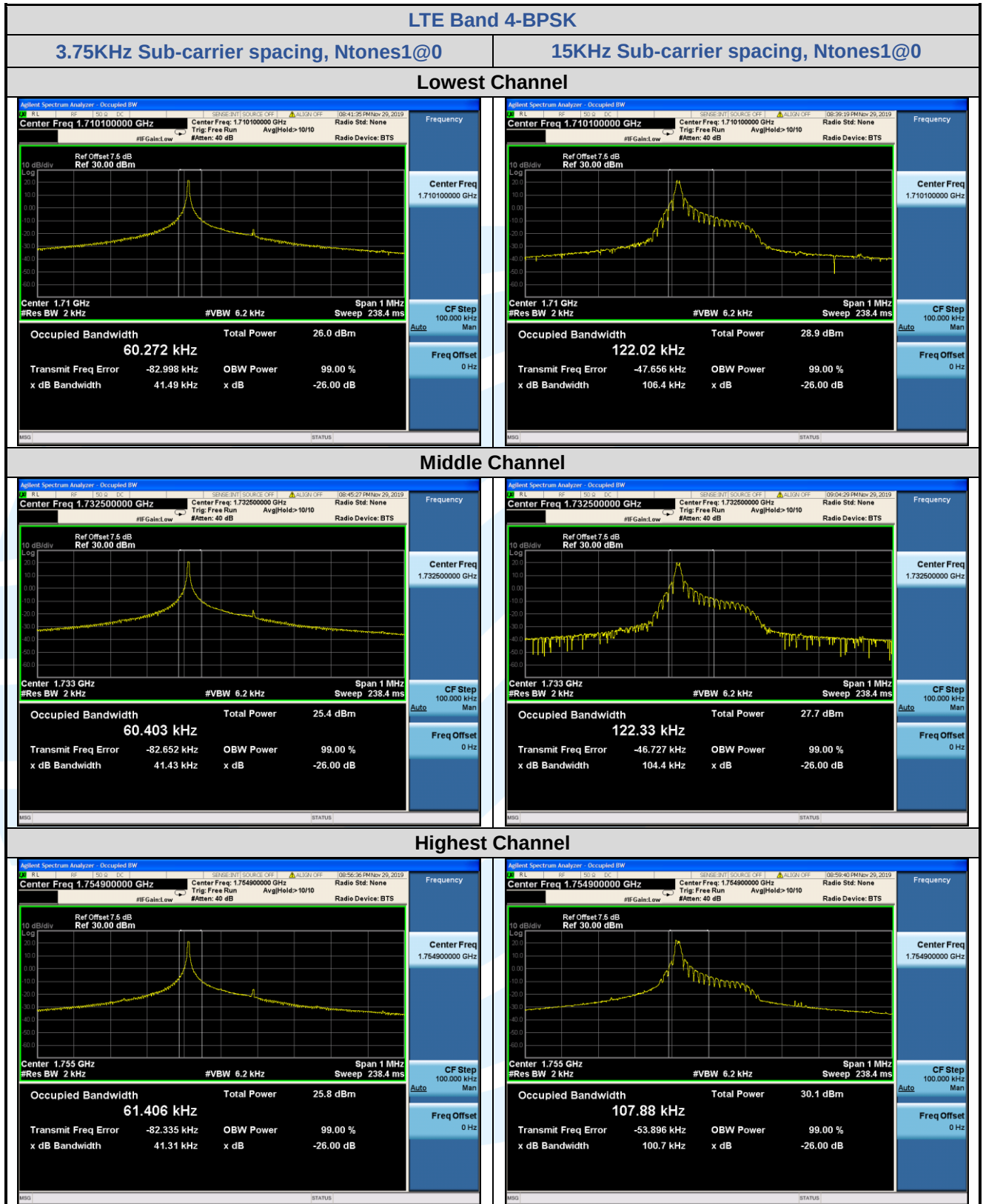
Min Hold

Detector Peak

Auto

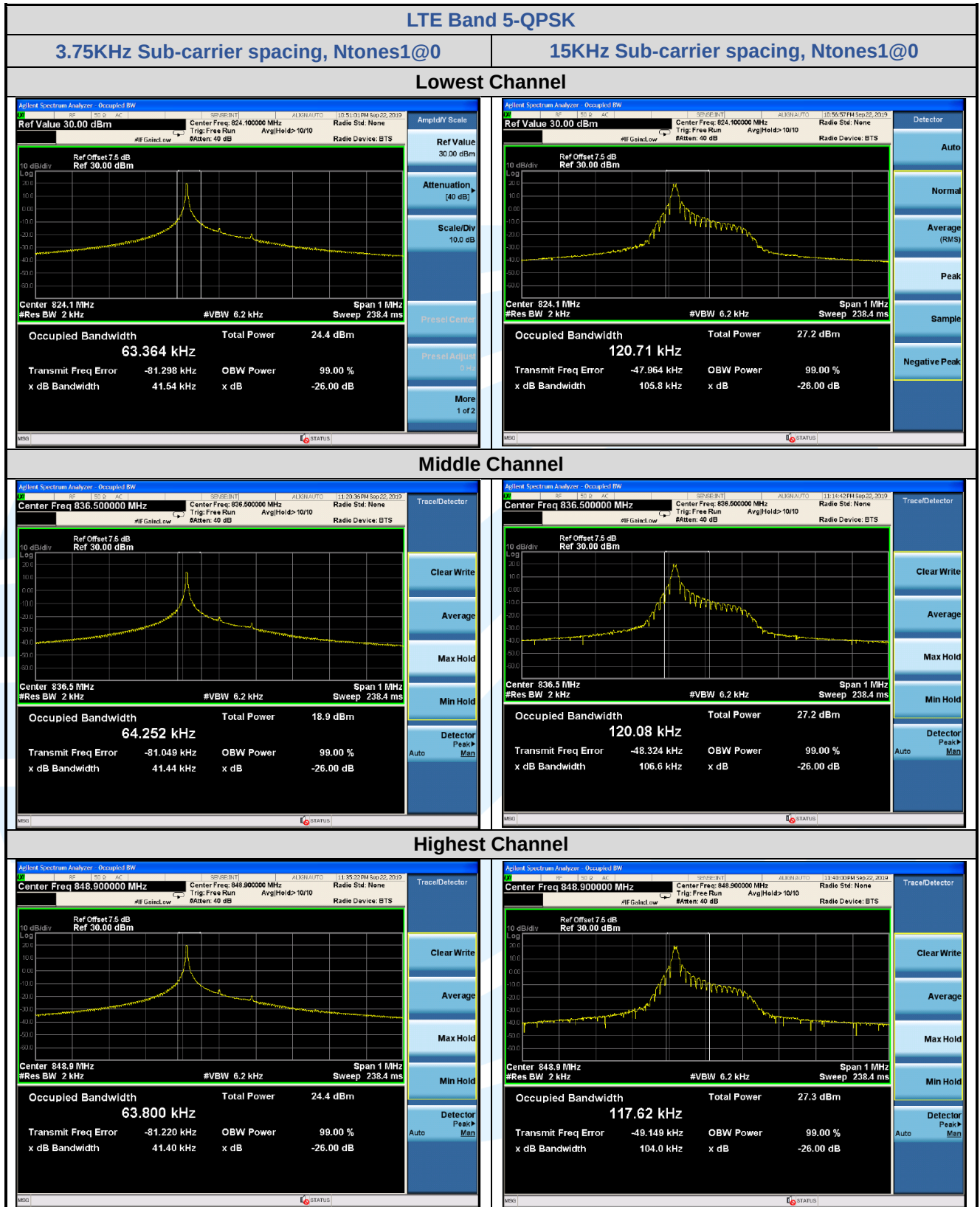
Man

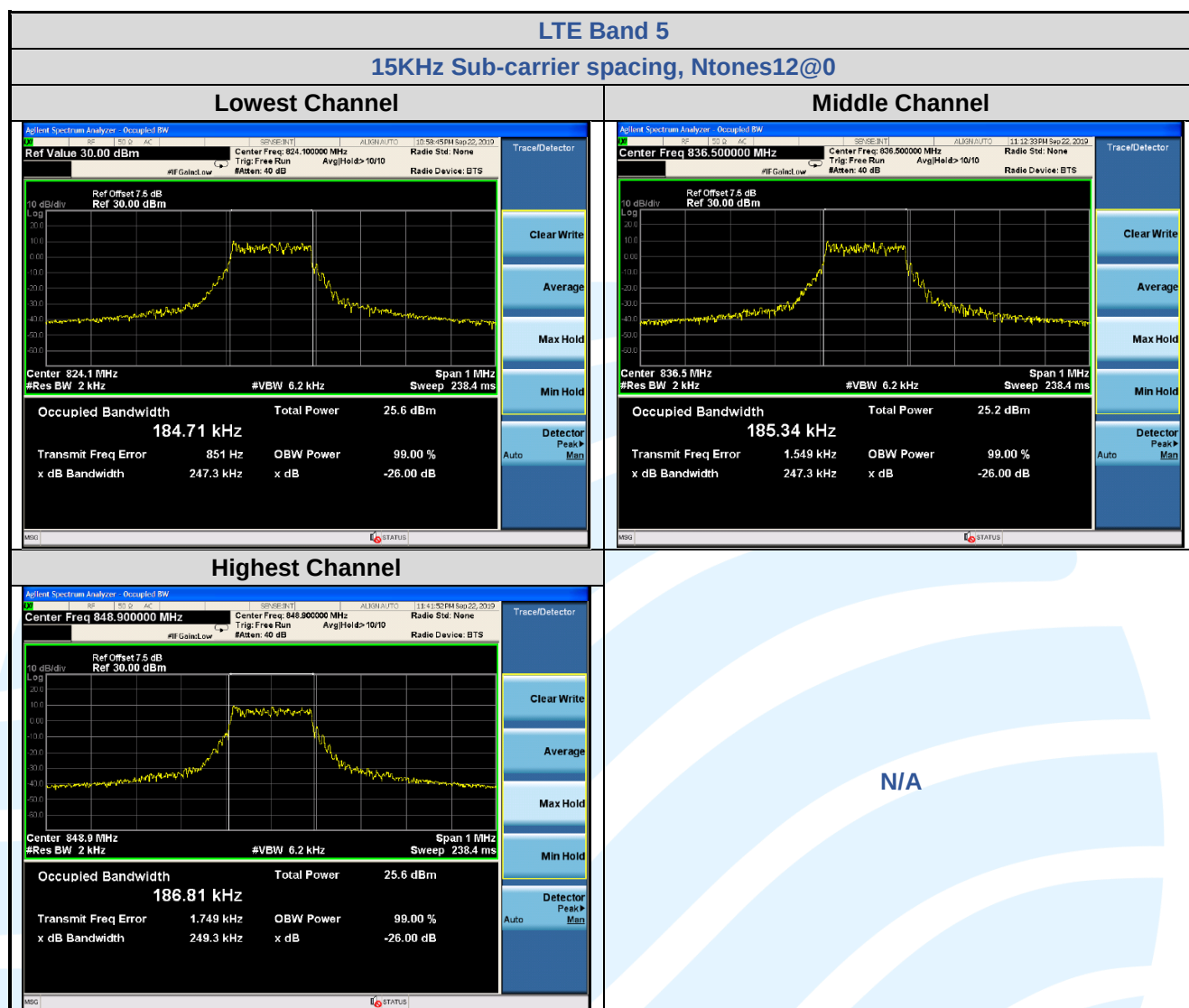


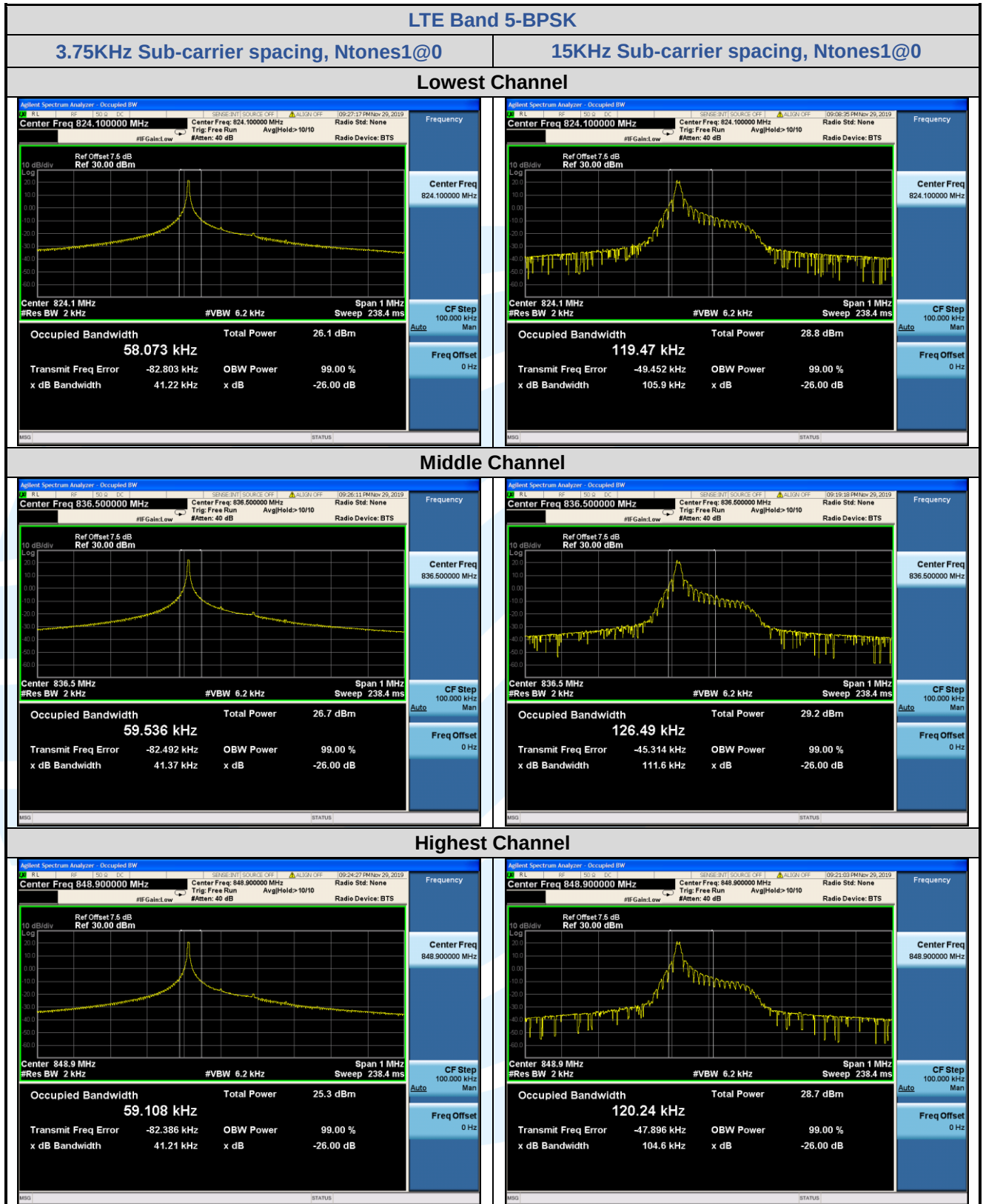


5.5.3 LTE Band 5

LTE Band 5								
Modulation	Sub-carrier spacing (KHz)	Ntones	Bandwidth(KHz) for low/mid/high channel					
			20401/824.1		20525/836.5		20649/848.9	
			99% (KHz)	-26dBc (KHz)	99% (KHz)	-26dBc (KHz)	99% (KHz)	-26dBc (KHz)
QPSK	3.75	1@0	63.364	41.540	64.252	41.440	63.800	63.800
QPSK	15	1@0	120.710	105.800	120.080	106.600	117.620	41.400
QPSK	15	12@0	184.71	247.300	185.340	247.300	186.810	249.30
BPSK	3.75	1@0	58.073	41.22	59.536	41.37	59.108	41.21
BPSK	15	1@0	119.47	105.9	126.49	111.6	120.24	104.6

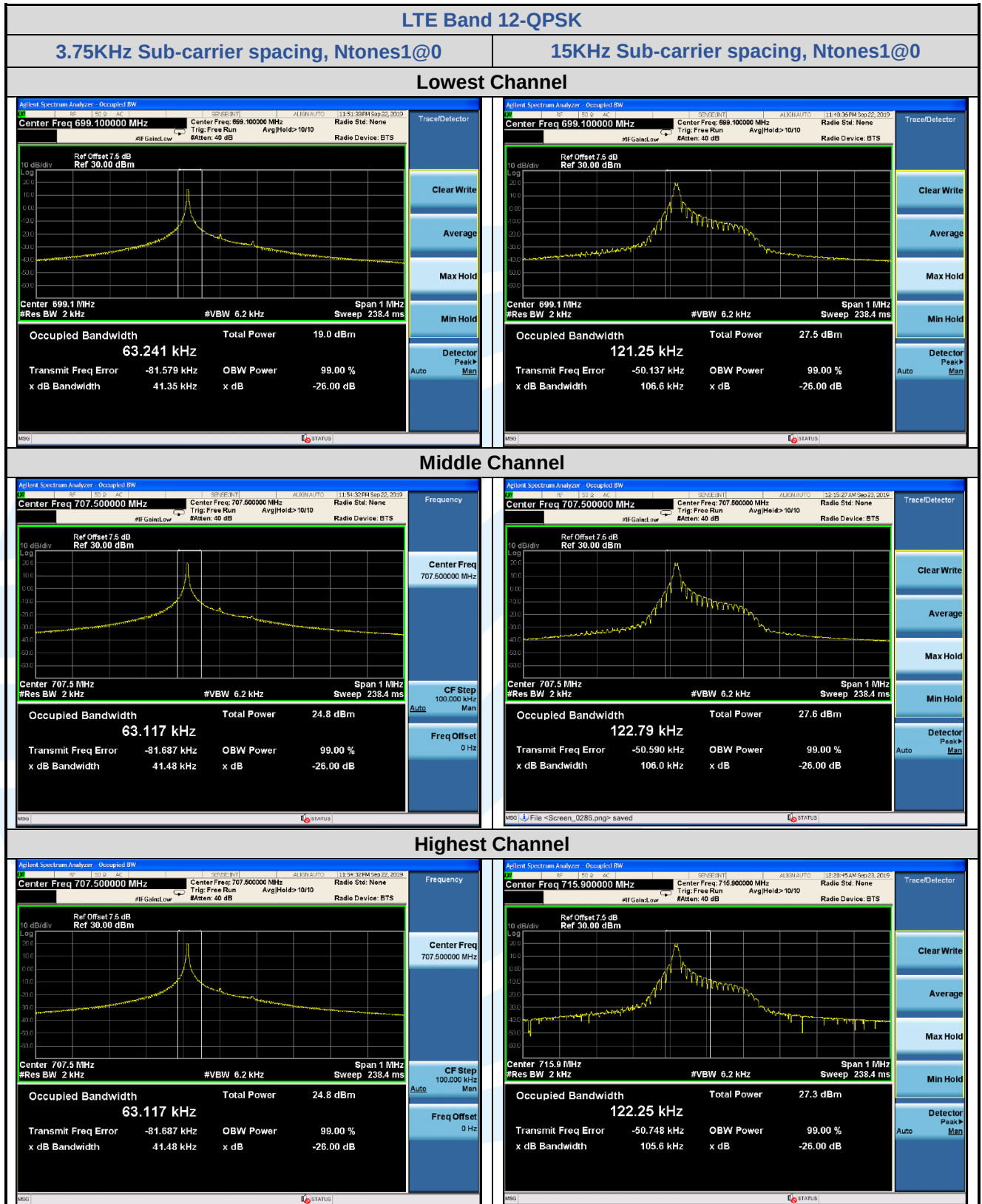




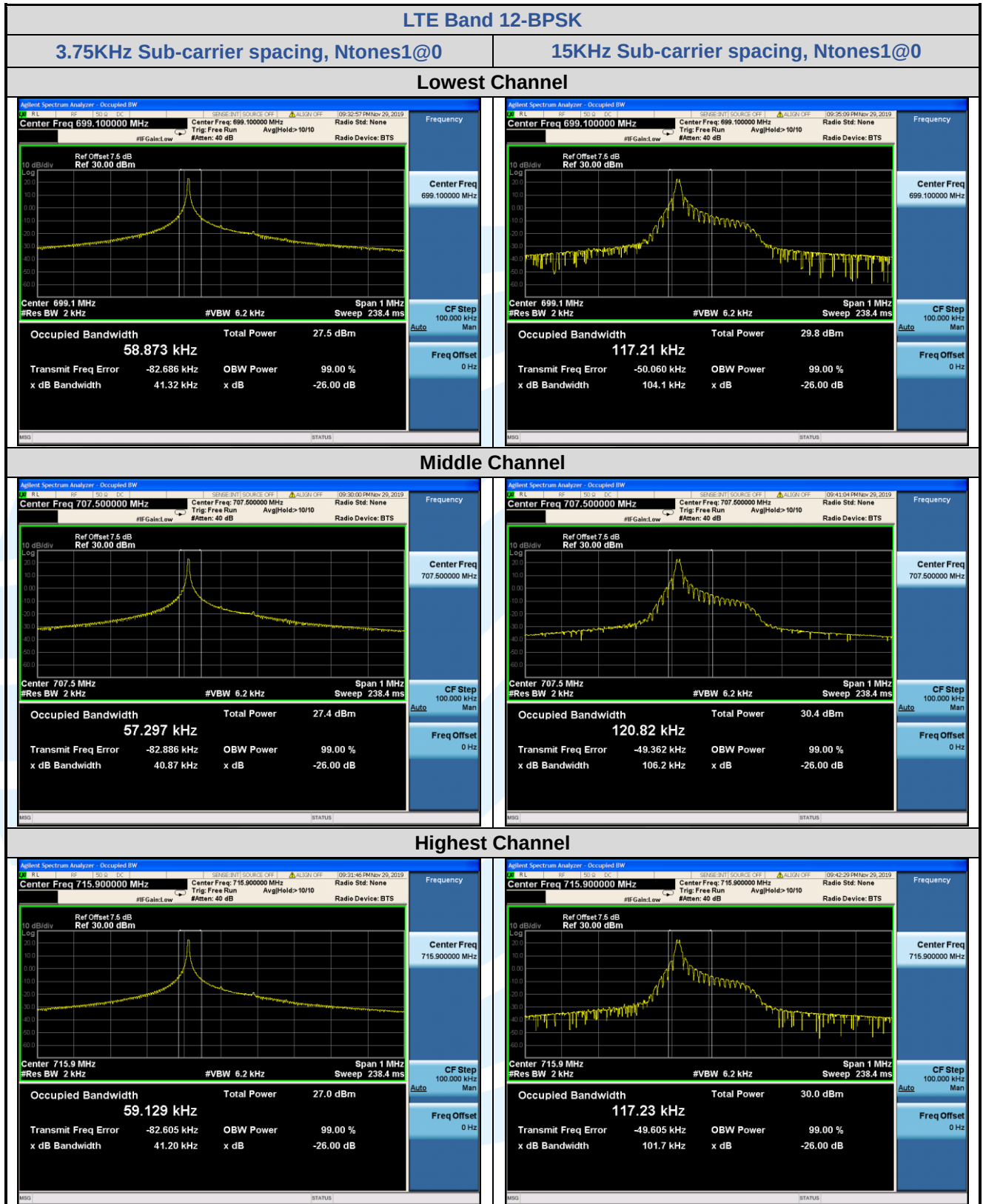


5.5.4 LTE Band 12

LTE Band 12								
Modulation	Sub-carrier spacing (KHz)	Ntones	Bandwidth(KHz) for low/mid/high channel					
			23011/699.1		23095/707.5		23179/715.9	
			99% (KHz)	-26dBc (KHz)	99% (KHz)	-26dBc (KHz)	99% (KHz)	-26dBc (KHz)
QPSK	3.75	1@0	63.241	41.35	63.117	41.480	63.117	41.48
QPSK	15	1@0	121.25	106.6	122.79	106.0	122.25	105.6
QPSK	15	12@0	188.77	249.7	185.54	262.0	187.28	261.8
BPSK	3.75	1@0	58.873	41.32	57.297	40.87	58.129	41.20
BPSK	15	1@0	117.21	104.1	120.82	106.2	117.23	101.7

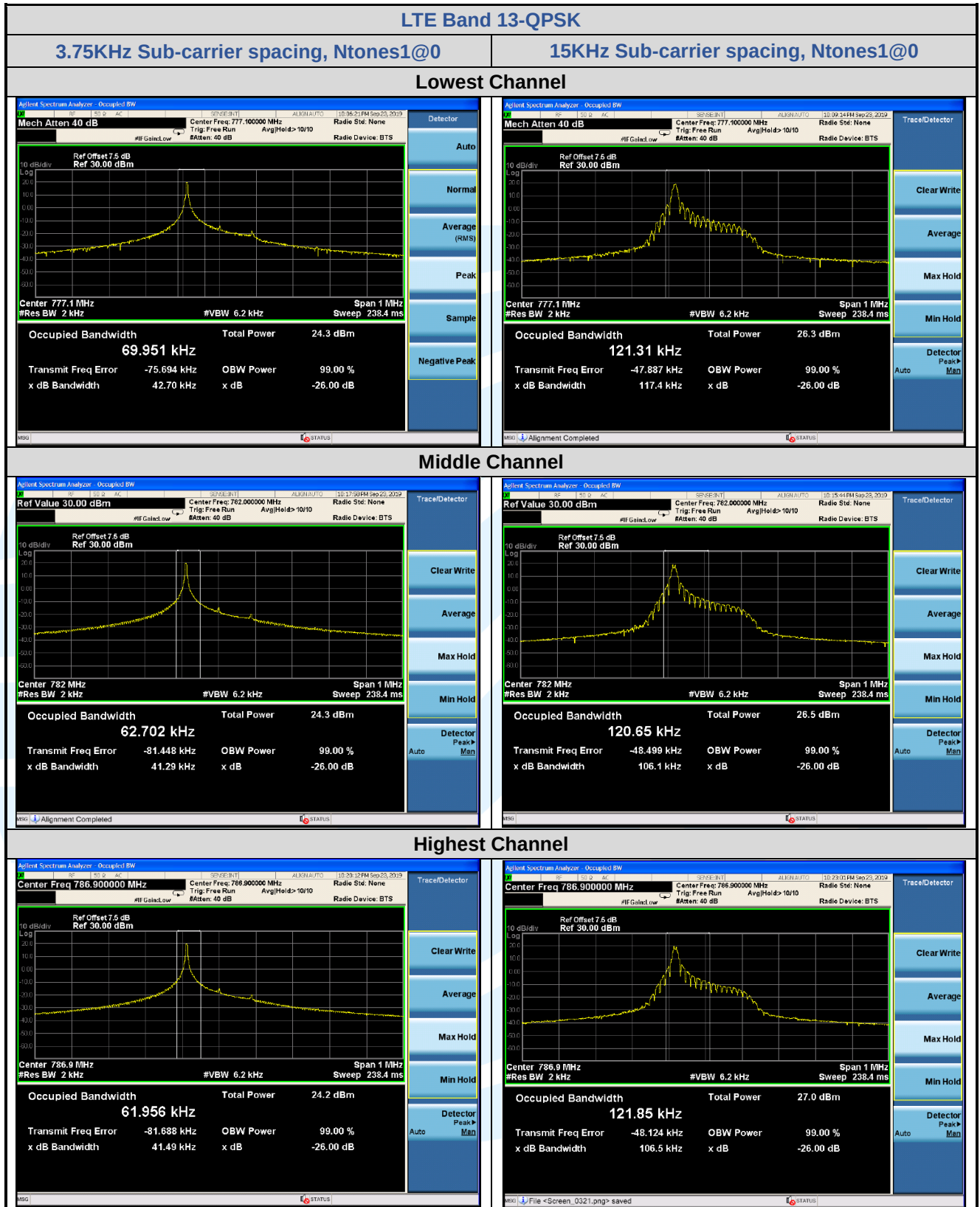


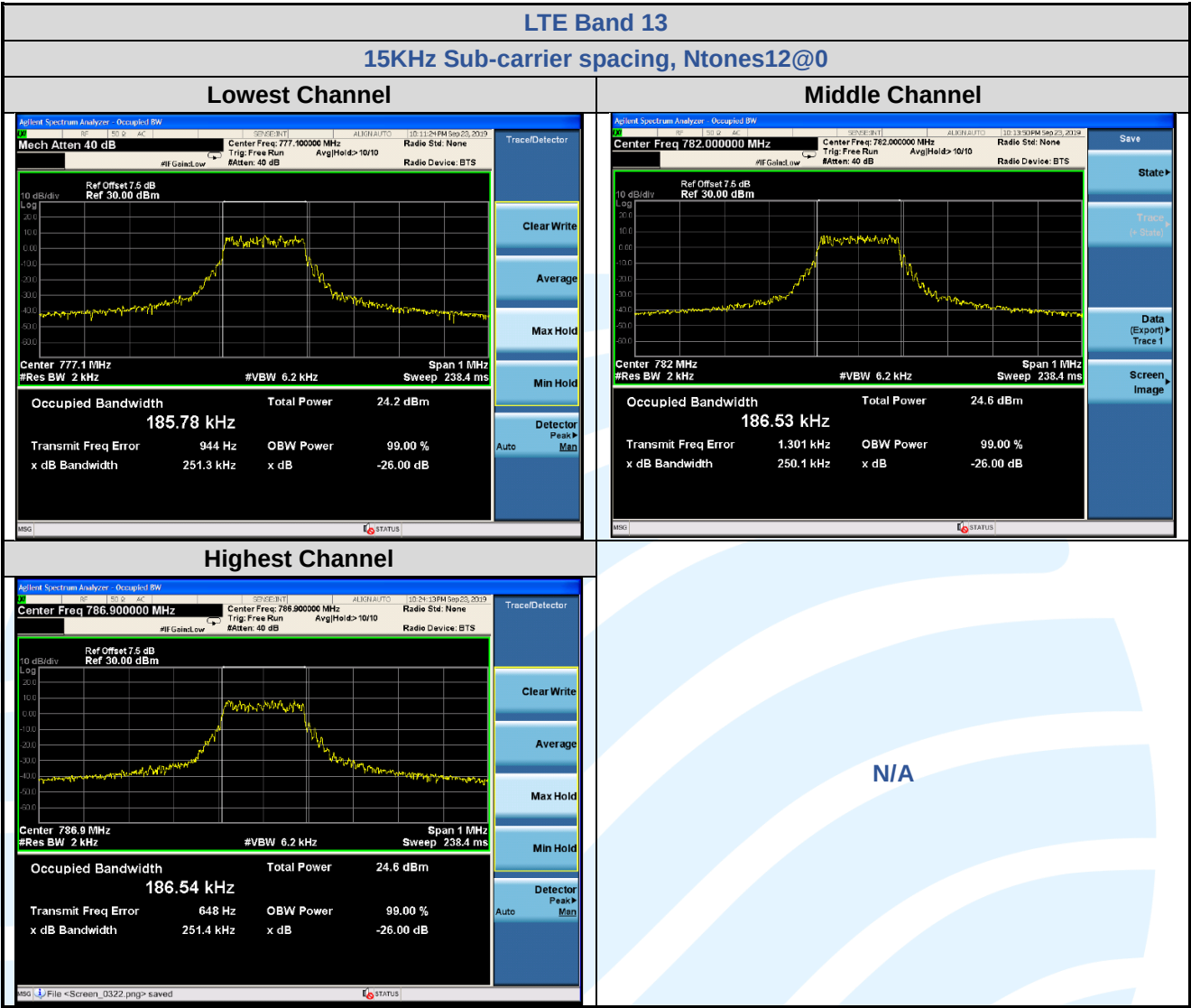


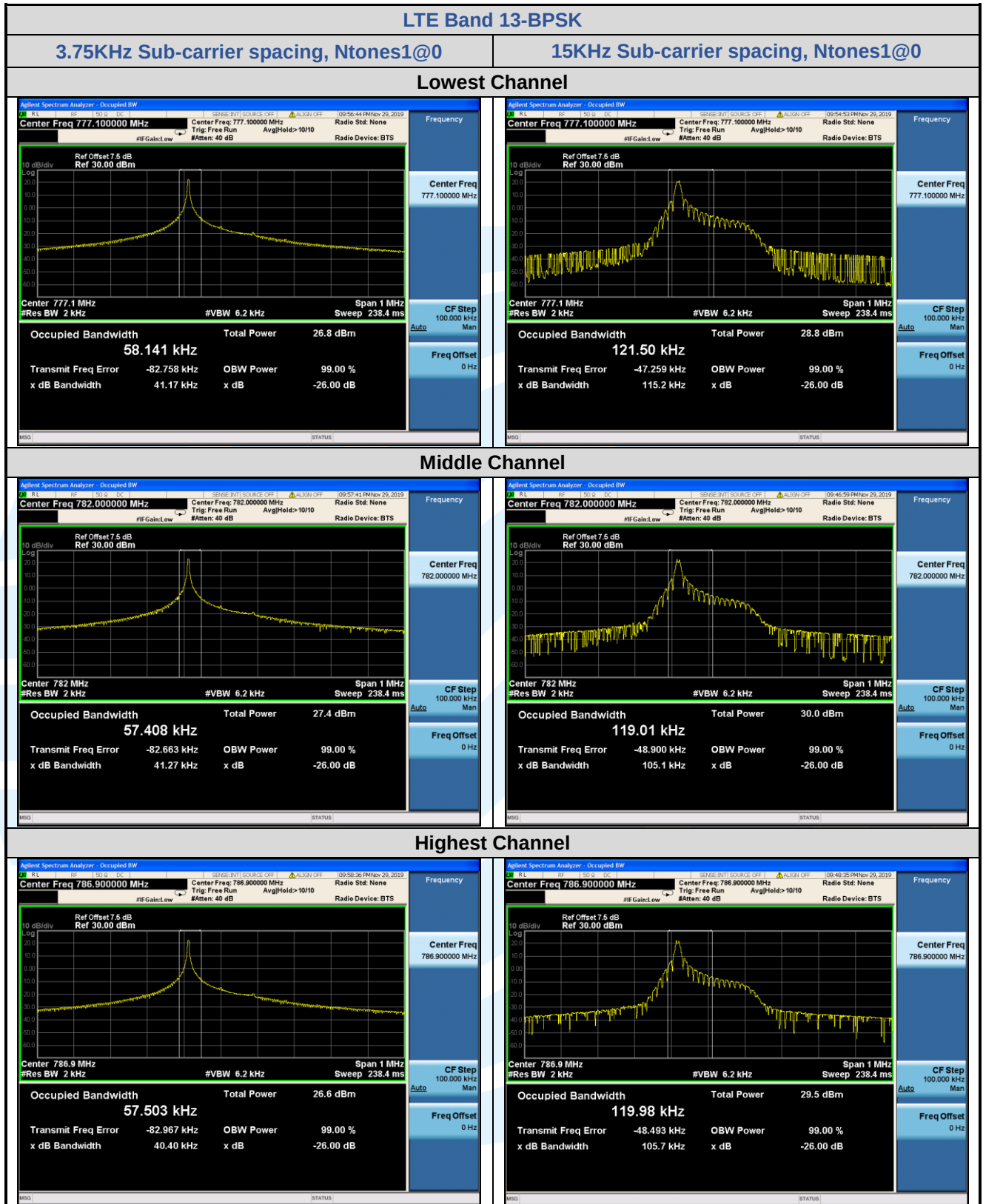


5.5.5 LTE Band 13

LTE Band 13								
Modulation	Sub-carrier spacing (KHz)	Ntones	Bandwidth(KHz) for low/mid/high channel					
			23181/777.1		23230/782		23279/786.9	
			99% (KHz)	-26dBc (KHz)	99% (KHz)	-26dBc (KHz)	99% (KHz)	-26dBc (KHz)
QPSK	3.75	1@0	69.951	42.7	62.702	41.27	61.956	41.49
QPSK	15	1@0	121.31	117.4	120.65	106.1	121.85	106.5
QPSK	15	12@0	185.78	251.3	186.53	251.1	186.54	251.4
BPSK	3.75	1@0	58.141	41.17	57.408	41.27	57.503	40.40
BPSK	15	1@0	121.50	115.2	119.01	105.1	119.98	105.7







5.5.6 LTE Band 25

LTE Band 25								
Modulation	Sub-carrier spacing (KHz)	Ntones	Bandwidth(KHz) for low/mid/high channel					
			26041/1850.1		26365/1882.5		26689/1914.90	
			99% (KHz)	-26dBc (KHz)	99% (KHz)	-26dBc (KHz)	99% (KHz)	-26dBc (KHz)
QPSK	3.75	1@0	64.32	41.64	62.159	41.26	62.768	41.350
QPSK	15	1@0	122.02	105.7	121.400	104.9	120.19	105.9
QPSK	15	12@0	185.09	250.3	187.39	249.4	185.95	249.6
BPSK	3.75	1@0	58.981	41.07	62.440	41.49	60.221	41.42
BPSK	15	1@0	119.99	103.1	121.41	103.7	127.17	116.4

