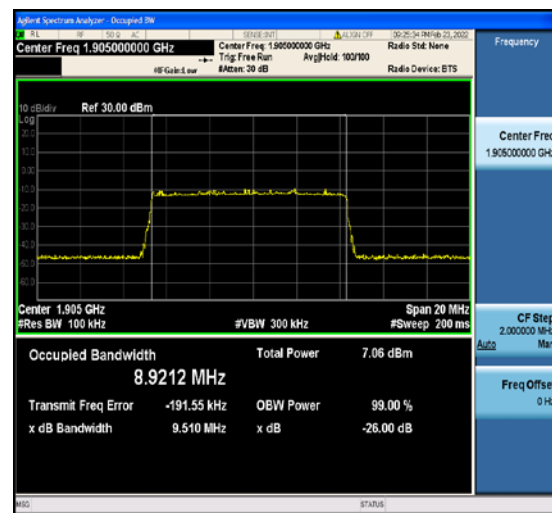
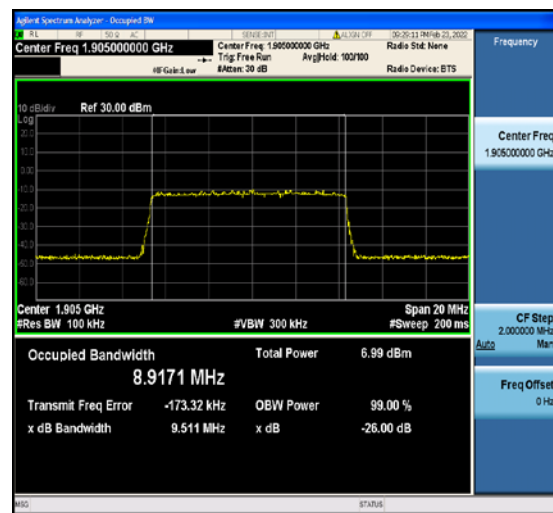


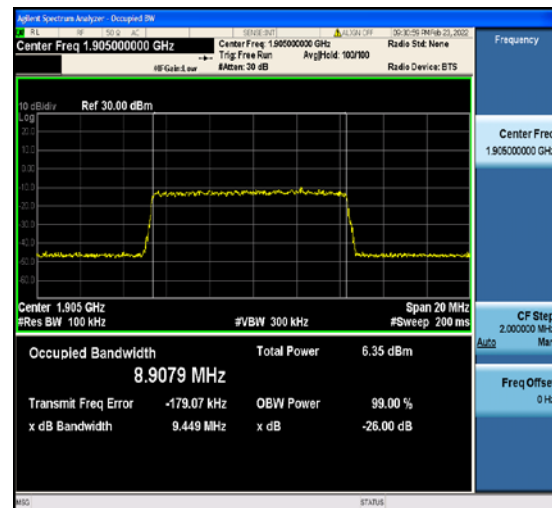
50@0-Ant1-8.9229-9.584-≤10-PASS



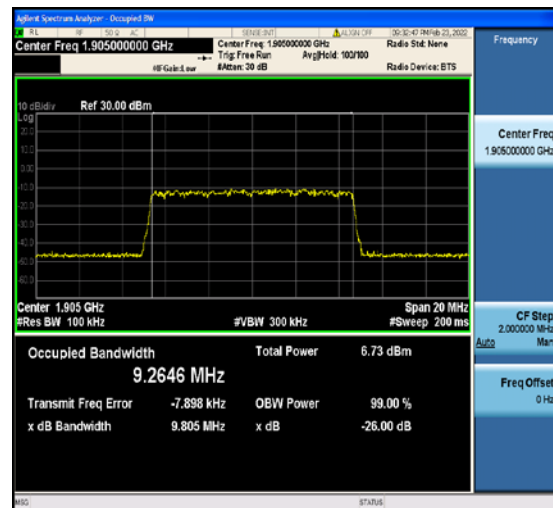
ull-50@0-Ant1-8.8924-9.463-≤10-PASS



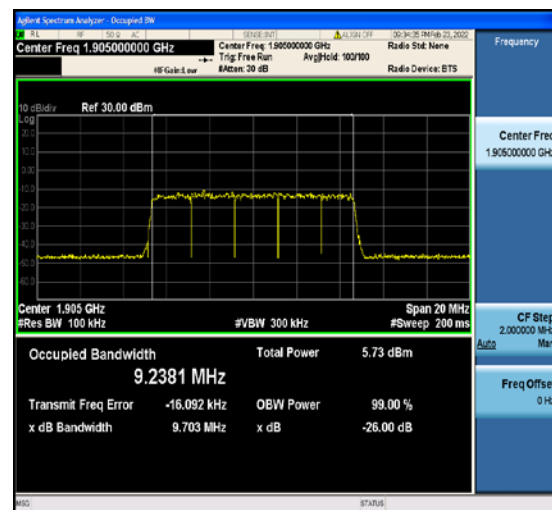
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I-50@0-Ant1-8.9212-9.510-≤10-PASS



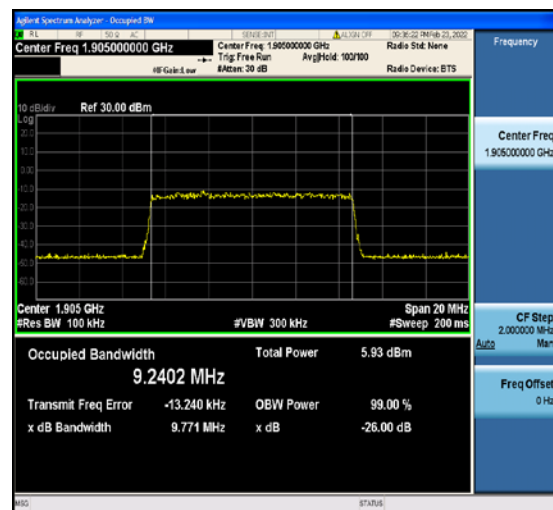
1-N2-PC3-15-10-H-4-DFT-64QAM-Outer_Ful
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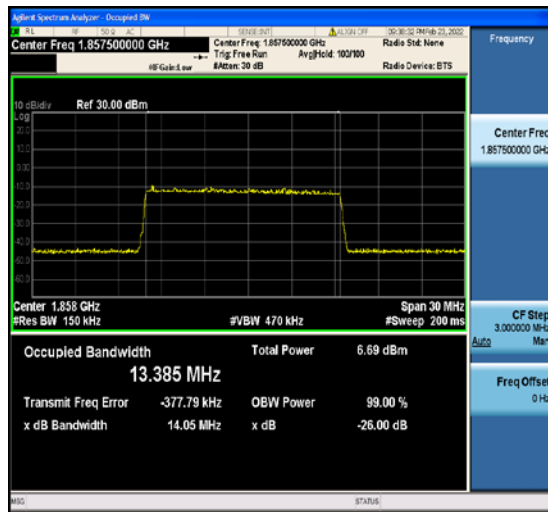
1-N2-PC3-15-10-H-5-CP-QPSK-Outer_Full-5
2@0-Ant1-8.9079-9.449-≤10-PASS



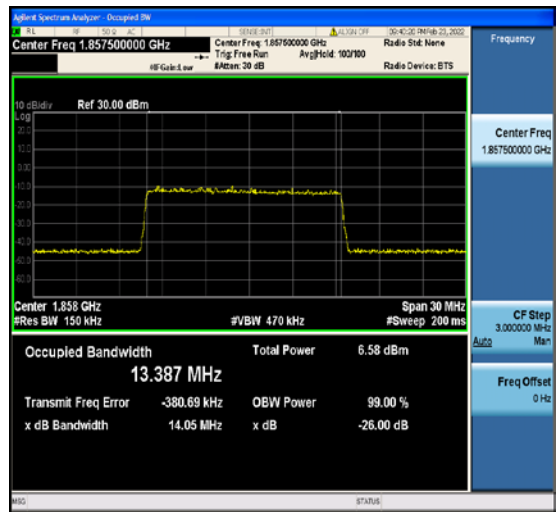
1-N2-PC3-15-10-H-6-CP-16QAM-Outer_Full-
52@0-Ant1-9.2646-9.805-≤10-PASS



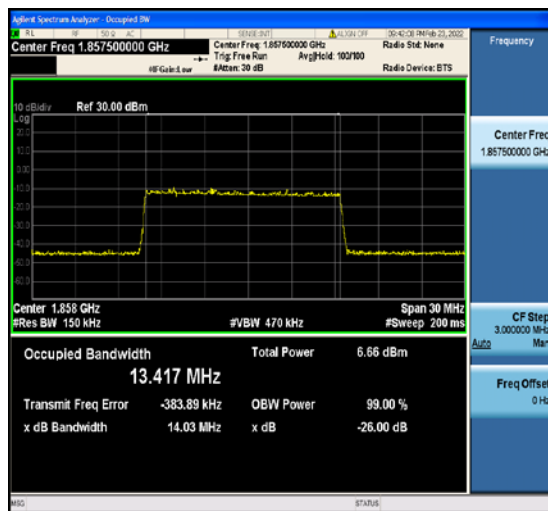
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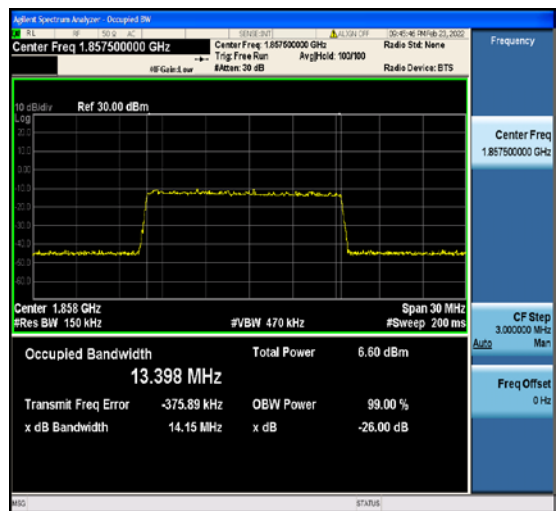
1-N2-PC3-15-10-H-8-CP-256QAM-Outer_Ful
I-52@0-Ant1-9.2402-9.771-≤10-PASS



1-N2-PC3-15-15-L-1-DFT-QPSK-Outer_Full-
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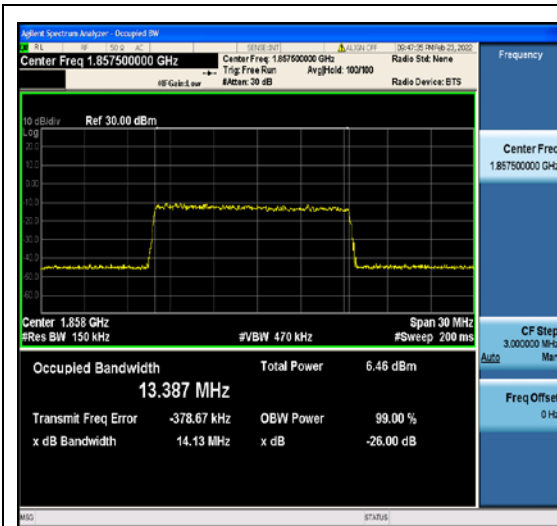


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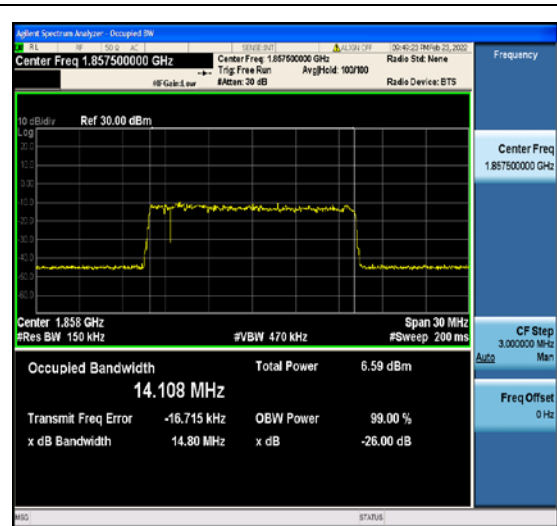


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-75@0-Ant1-13.417-14.03-≤15-PASS

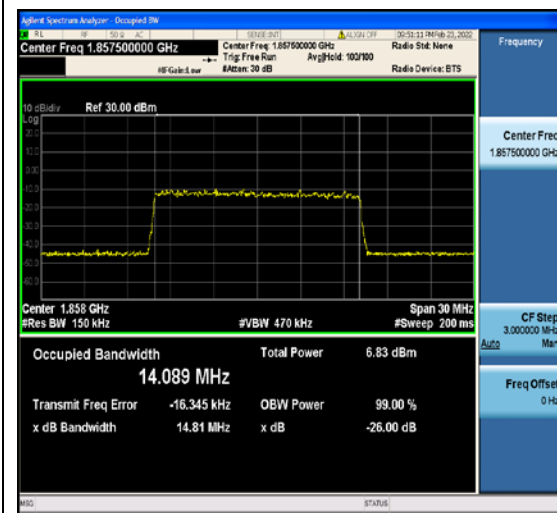
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-75@0-Ant1-13.398-14.15-≤15-PASS



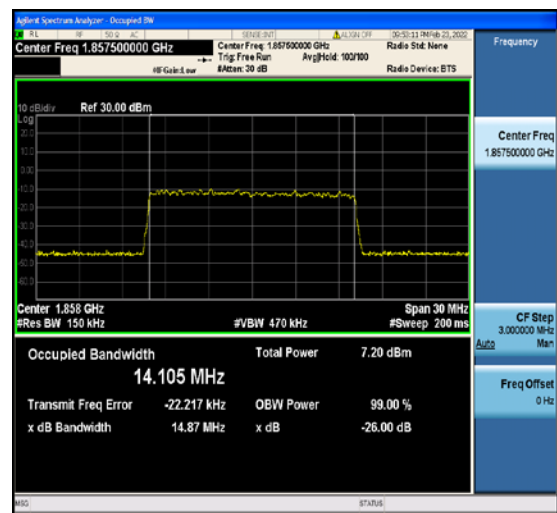
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9@0-Ant1-13.387-14.13-≤15-PASS



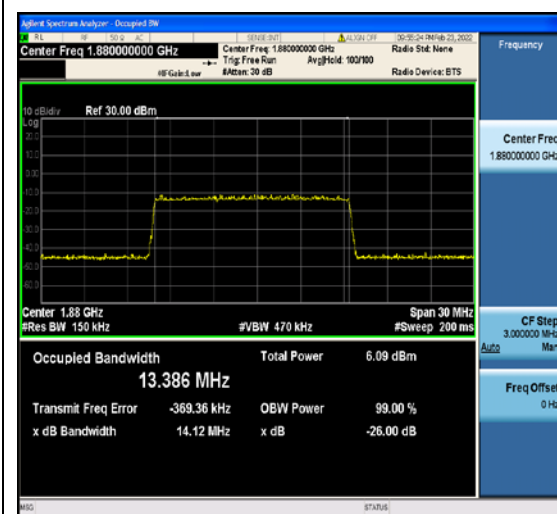
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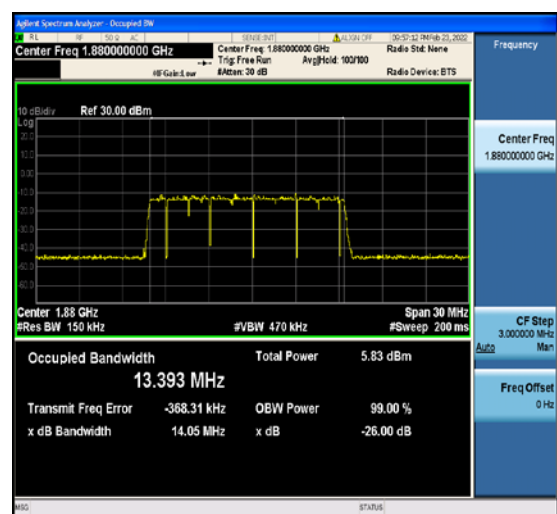
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1-N2-PC3-15-15-L-8-CP-256QAM-Outter_Full-79@0-Ant1-14.105-14.87-≤15-PASS

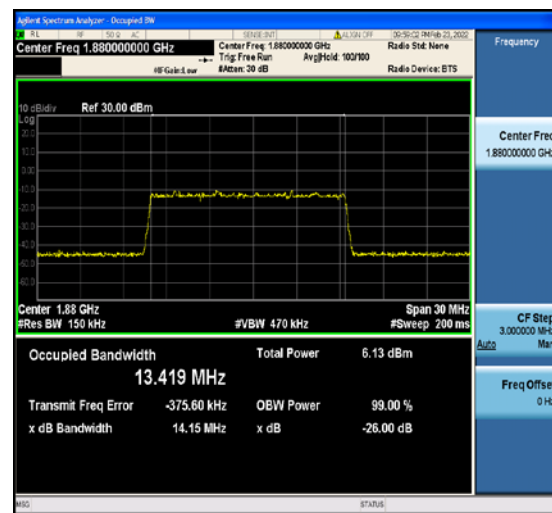


1-N2-PC3-15-15-M-1-DFT-QPSK-Outter_Full-

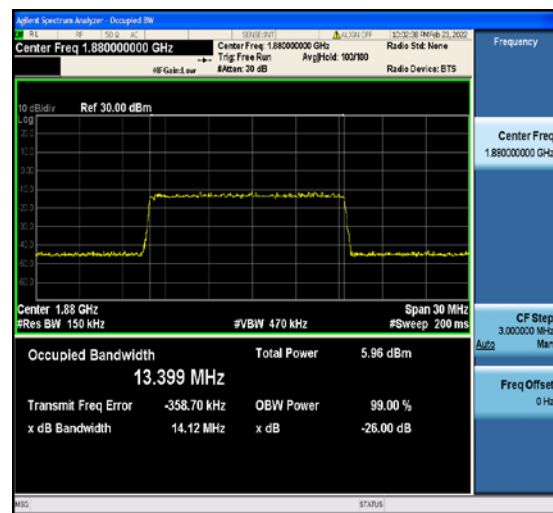


1-N2-PC3-15-15-M-2-DFT-PI2BPSK-Outter_F-

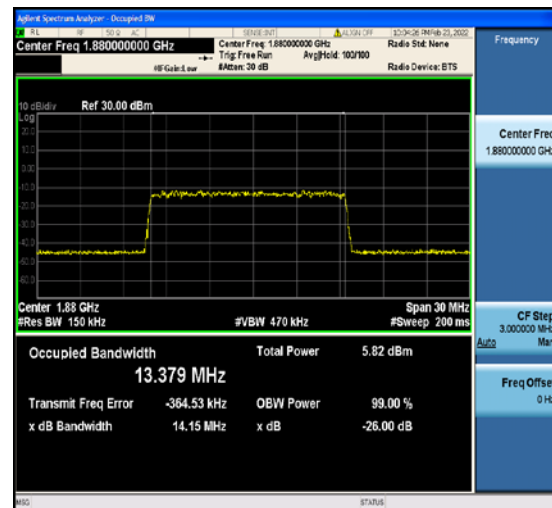
75@0-Ant1-13.386-14.12-≤15-PASS



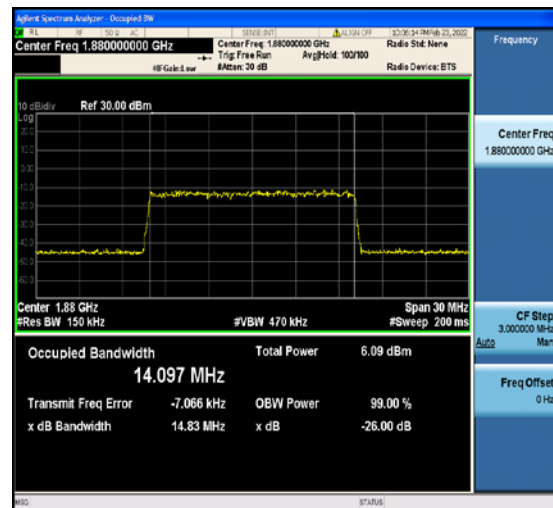
ull-75@0-Ant1-13.393-14.05-≤15-PASS



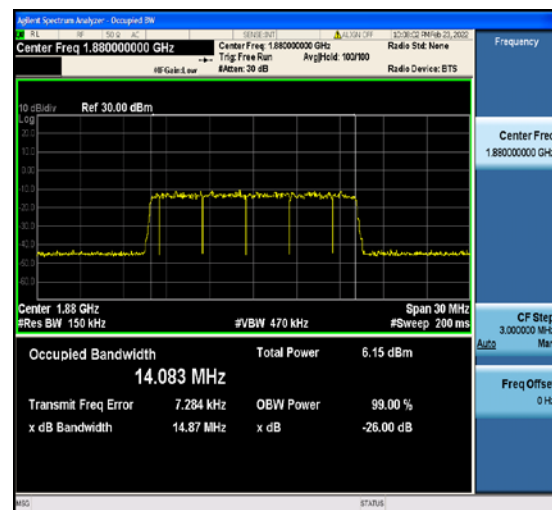
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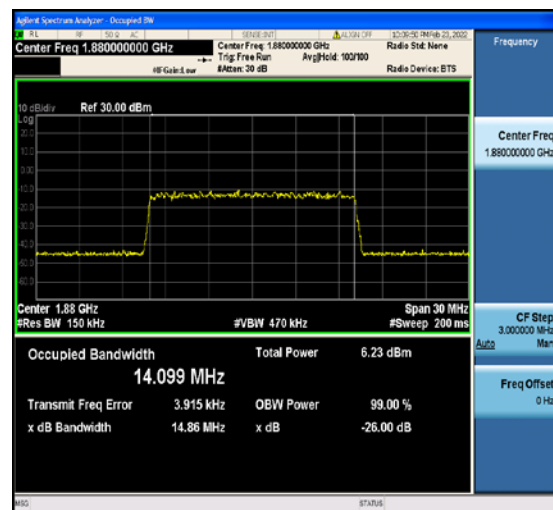
1-N2-PC3-15-15-M-4-DFT-64QAM-Outer_Ful
I-75@0-Ant1-13.399-14.12-≤15-PASS



1-N2-PC3-15-15-M-5-CP-QPSK-Outer_Full-7
9@0-Ant1-13.379-14.15-≤15-PASS



1-N2-PC3-15-15-M-6-CP-16QAM-Outer_Full-
79@0-Ant1-14.097-14.83-≤15-PASS



1-N2-PC3-15-15-M-7-CP-64QAM-Outer_Full-79@0-Ant1-14.083-14.87≤15-PASS

Center Freq 1.902500000 GHz

Center Freq 1.902500000 GHz

Trig: Free Run

AvgHold: 100/100

Radio Stk Name

Radio Device: BTS

Frequency

Center Freq 1.902500000 GHz

Center 1.903 GHz

#Res BW 150 kHz

#VBW 470 kHz

Span 30 MHz

#Sweep 200 ms

CF Step 3.000000 MHz

Auto Man

Occupied Bandwidth 13.383 MHz

Total Power 6.52 dBm

Transmit Freq Error -359.52 kHz

OBW Power 99.00 %

x dB Bandwidth 14.04 MHz

x dB -26.00 dB

FreqOffset 0 Hz

MISO STATUS

1-N2-PC3-15-15-M-8-CP-256QAM-Outer_Full-79@0-Ant1-14.099-14.86≤15-PASS

Center Freq 1.902500000 GHz

Center Freq 1.902500000 GHz

Trig: Free Run

AvgHold: 100/100

Radio Stk Name

Radio Device: BTS

Frequency

Center Freq 1.902500000 GHz

Center 1.903 GHz

#Res BW 150 kHz

#VBW 470 kHz

Span 30 MHz

#Sweep 200 ms

CF Step 3.000000 MHz

Auto Man

Occupied Bandwidth 13.381 MHz

Total Power 6.35 dBm

Transmit Freq Error -358.50 kHz

OBW Power 99.00 %

x dB Bandwidth 14.01 MHz

x dB -26.00 dB

FreqOffset 0 Hz

MISO STATUS

1-N2-PC3-15-15-H-1-DFT-QPSK-Outer_Full-75@0-Ant1-13.383-14.04≤15-PASS

Center Freq 1.902500000 GHz

Center Freq 1.902500000 GHz

Trig: Free Run

AvgHold: 100/100

Radio Stk Name

Radio Device: BTS

Frequency

Center Freq 1.902500000 GHz

Center 1.903 GHz

#Res BW 150 kHz

#VBW 470 kHz

Span 30 MHz

#Sweep 200 ms

CF Step 3.000000 MHz

Auto Man

Occupied Bandwidth 13.428 MHz

Total Power 6.46 dBm

Transmit Freq Error -370.32 kHz

OBW Power 99.00 %

x dB Bandwidth 14.09 MHz

x dB -26.00 dB

FreqOffset 0 Hz

MISO STATUS

1-N2-PC3-15-15-H-2-DFT-PI2BPSK-Outer_Full-75@0-Ant1-13.381-14.01≤15-PASS

Center Freq 1.902500000 GHz

Center Freq 1.902500000 GHz

Trig: Free Run

AvgHold: 100/100

Radio Stk Name

Radio Device: BTS

Frequency

Center Freq 1.902500000 GHz

Center 1.903 GHz

#Res BW 150 kHz

#VBW 470 kHz

Span 30 MHz

#Sweep 200 ms

CF Step 3.000000 MHz

Auto Man

Occupied Bandwidth 13.399 MHz

Total Power 6.37 dBm

Transmit Freq Error -354.27 kHz

OBW Power 99.00 %

x dB Bandwidth 14.18 MHz

x dB -26.00 dB

FreqOffset 0 Hz

MISO STATUS

1-N2-PC3-15-15-H-3-DFT-16QAM-Outer_Full-75@0-Ant1-13.428-14.09≤15-PASS

Center Freq 1.902500000 GHz

Center Freq 1.902500000 GHz

Trig: Free Run

AvgHold: 100/100

Radio Stk Name

Radio Device: BTS

Frequency

Center Freq 1.902500000 GHz

Center 1.903 GHz

#Res BW 150 kHz

#VBW 470 kHz

Span 30 MHz

#Sweep 200 ms

CF Step 3.000000 MHz

Auto Man

Occupied Bandwidth 13.428 MHz

Total Power 6.46 dBm

Transmit Freq Error -370.32 kHz

OBW Power 99.00 %

x dB Bandwidth 14.09 MHz

x dB -26.00 dB

FreqOffset 0 Hz

MISO STATUS

1-N2-PC3-15-15-H-4-DFT-64QAM-Outer_Full-75@0-Ant1-13.399-14.18≤15-PASS

Center Freq 1.902500000 GHz

Center Freq 1.902500000 GHz

Trig: Free Run

AvgHold: 100/100

Radio Stk Name

Radio Device: BTS

Frequency

Center Freq 1.902500000 GHz

Center 1.903 GHz

#Res BW 150 kHz

#VBW 470 kHz

Span 30 MHz

#Sweep 200 ms

CF Step 3.000000 MHz

Auto Man

Occupied Bandwidth 13.399 MHz

Total Power 6.37 dBm

Transmit Freq Error -354.27 kHz

OBW Power 99.00 %

x dB Bandwidth 14.18 MHz

x dB -26.00 dB

FreqOffset 0 Hz

MISO STATUS

1-N2-PC3-15-15-M-8-CP-256QAM-Outer_Full-79@0-Ant1-14.099-14.86-≤15-PASS

Agilent Spectrum Analyzer - Occupied BW

Center Freq 1.902500000 GHz Center Freq 1.902500000 GHz Radio Std Name

Trig Free Run #Mean: 20 dB AvgHld: 100/100 Radio Device: BTS

10 dB/div Ref 30.00 dBm

Center 1.903 GHz Span 30 MHz

#Res BW 150 kHz #VBW 470 kHz #Sweep 200 ms

Occupied Bandwidth		Total Power	
13.381 MHz		6.35 dBm	
Transmit Freq Error	-358.50 kHz	OBW Power	99.00 %
x dB Bandwidth	14.01 MHz	x dB	-26.00 dB

MMS STATUS

Frequency

Center Freq 1.902500000 GHz

CF Step 3.000000 MHz

Auto Man

Freq Offset 0 Hz

1-N2-PC3-15-15-H-2-DFT-PI2BPSK-Outer_Full-75@0-Ant1-13.381-14.01-≤15-PASS

Agilent Spectrum Analyzer - Occupied BW

Center Freq 1.902500000 GHz Center Freq 1.902500000 GHz Radio Std Name

Trig Free Run #Mean: 20 dB AvgHld: 100/100 Radio Device: BTS

10 dB/div Ref 30.00 dBm

Center 1.903 GHz Span 30 MHz

#Res BW 150 kHz #VBW 470 kHz #Sweep 200 ms

Occupied Bandwidth		Total Power	
13.399 MHz		6.37 dBm	
Transmit Freq Error	-354.27 kHz	OBW Power	99.00 %
x dB Bandwidth	14.18 MHz	x dB	-26.00 dB

MMS STATUS

Frequency

Center Freq 1.902500000 GHz

CF Step 3.000000 MHz

Auto Man

Freq Offset 0 Hz

1-N2-PC3-15-15-H-4-DFT-64QAM-Outer_Full-75@0-Ant1-13.399-14.18-≤15-PASS

1-N2-PC3-15-15-H-1-DFT-QPSK-Outer_Full-75@0-Ant1-13.383-14.04-≤15-PASS

Center Freq 1.902500000 GHz

Occupied Bandwidth: 13.428 MHz

Total Power: 6.46 dBm

Transmit Freq Error: -370.32 kHz

OBW Power: 99.00 %

1-N2-PC3-15-15-H-2-DFT-PI2BPSK-Outer_Full-75@0-Ant1-13.381-14.01-≤15-PASS

Center Freq 1.902500000 GHz

Occupied Bandwidth: 13.399 MHz

Total Power: 6.37 dBm

Transmit Freq Error: -354.27 kHz

OBW Power: 99.00 %

1-N2-PC3-15-15-H-3-DFT-16QAM-Outer_Full-75@0-Ant1-13.428-14.09-≤15-PASS

1-N2-PC3-15-15-H-4-DFT-64QAM-Outer_Full-75@0-Ant1-13.399-14.18-≤15-PASS

1-N2-PC3-15-15-H-2-DFT-PI2BPSK-Outet_F
u-ll-75@0-Ant1-13.381-14.01-≤15-PASS

Advent Spectrum Analyzer - Occupied BW

Center Freq 1.902500000 GHz Center Freq 1.902500000 GHz Radio Std Name
#GdB Low #GdB High AvgHold: 100/100 Radio Device: BTS

10 dBm
Ref 30.00 dBm

Center 1.903 GHz Span 30 MHz
#Res BW 150 kHz #VBW 470 kHz #Sweep 200 ms

Occupied Bandwidth	Total Power
13.399 MHz	6.37 dBm

Transmit Freq Error	OBW Power	
-354.27 kHz	99.00 %	
x dB Bandwidth	x dB	
14.18 MHz	-26.00 dB	

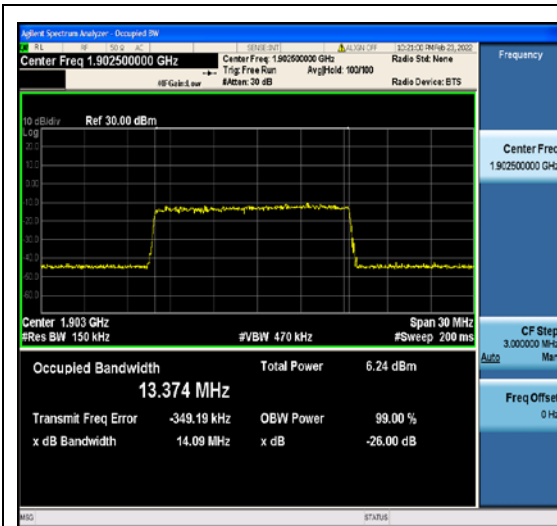
Frequency 1.902500000 GHz

CF Step 3.000000 MHz
Auto Man

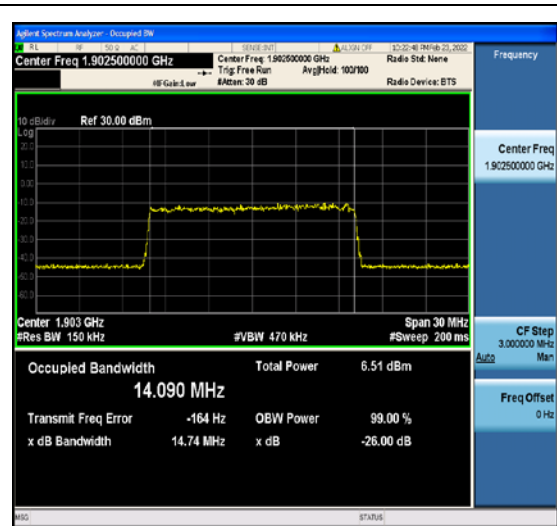
Freq Offset 0 Hz

1-N2-PC3-15-15-H-3-DFT-16QAM-Outer_Ful I-75@0-Ant1-13.428-14.09-≤15-PASS	1-N2-PC3-15-15-H-4-DFT-64QAM-Outer_Ful I-75@0-Ant1-13.399-14.18-≤15-PASS
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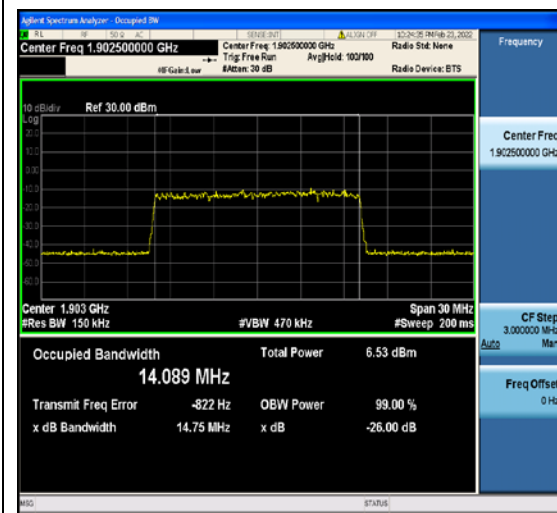
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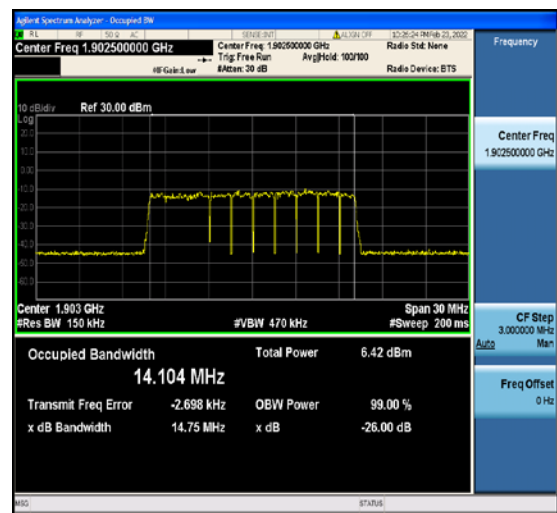
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9@0-Ant1-13.374-14.09-≤15-PASS



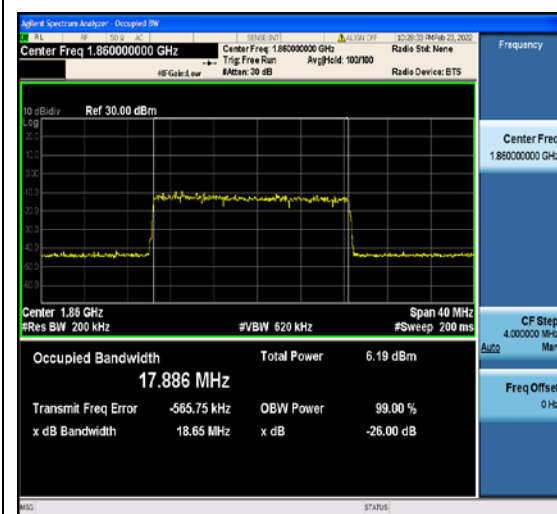
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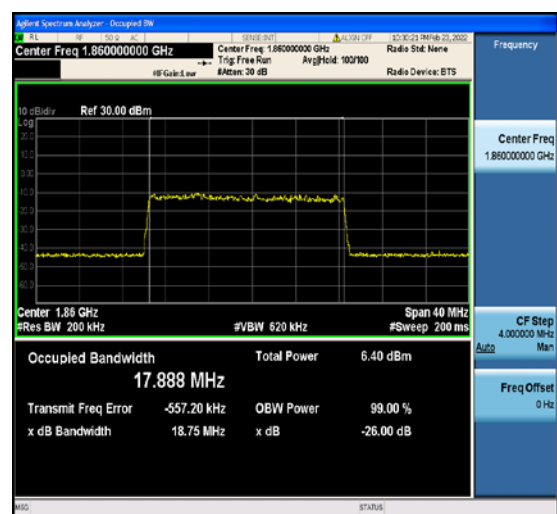
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1-N2-PC3-15-15-H-8-CP-256QAM-Outet_Ful-I-79@0-Ant1-14.104-14.75-≤15-PASS

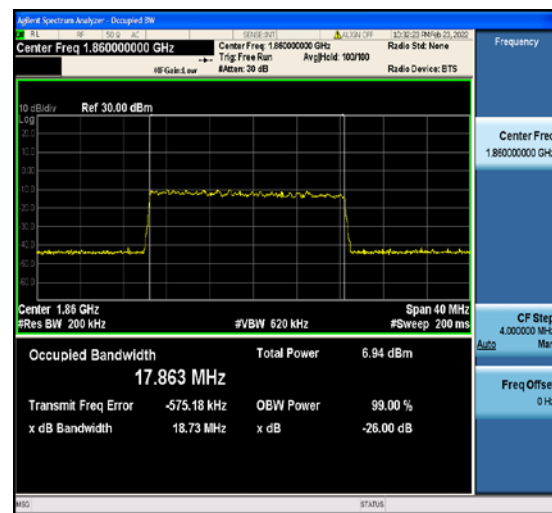


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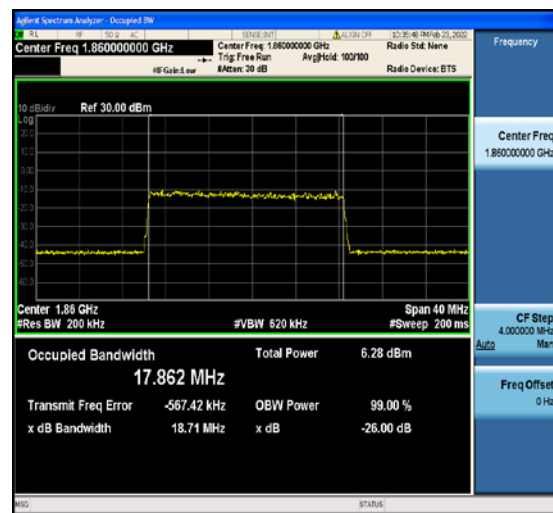


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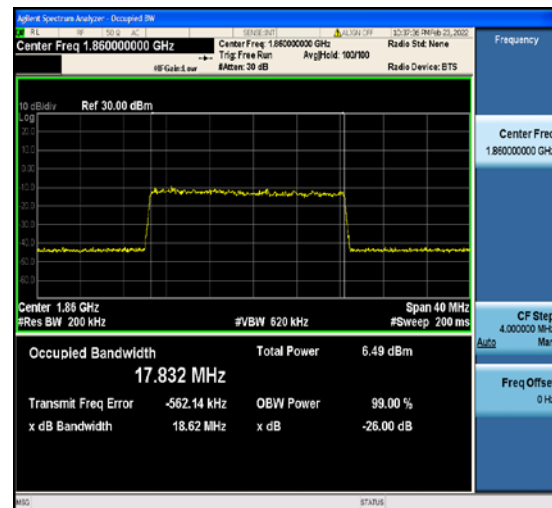
100@0-Ant1-17.886-18.65-≤20-PASS



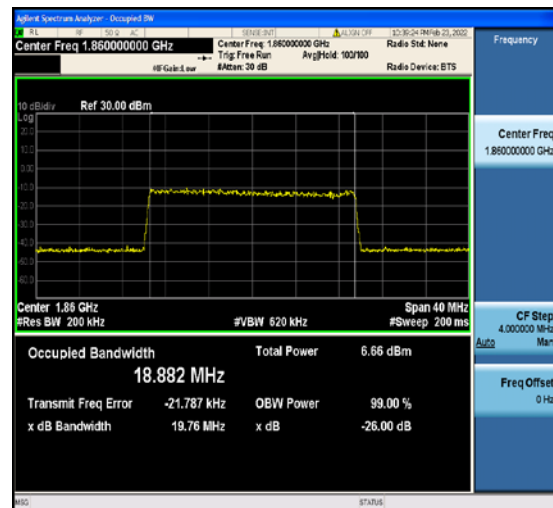
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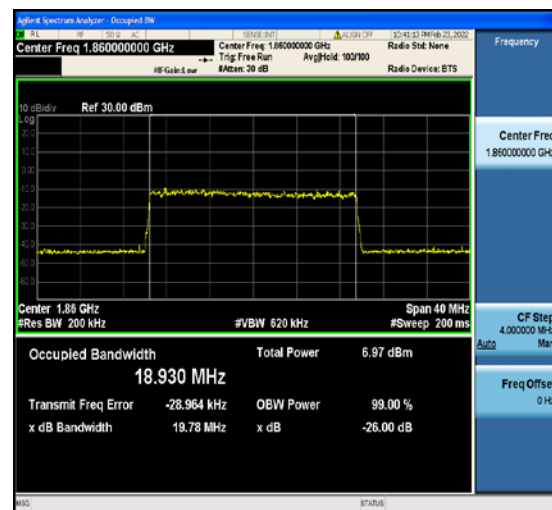
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-100@0-Ant1-17.863-18.73-≤20-PASS



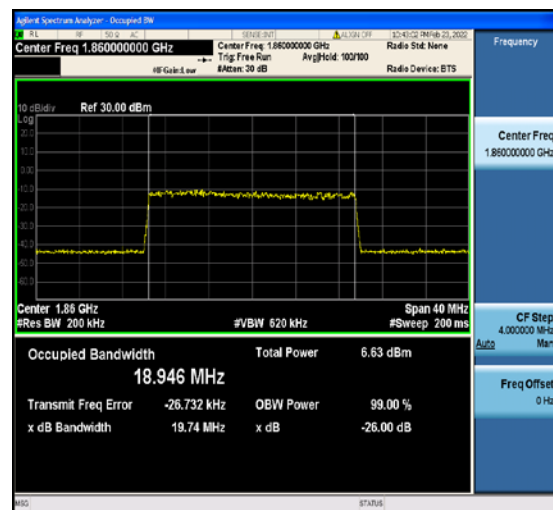
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-100@0-Ant1-17.862-18.71-≤20-PASS



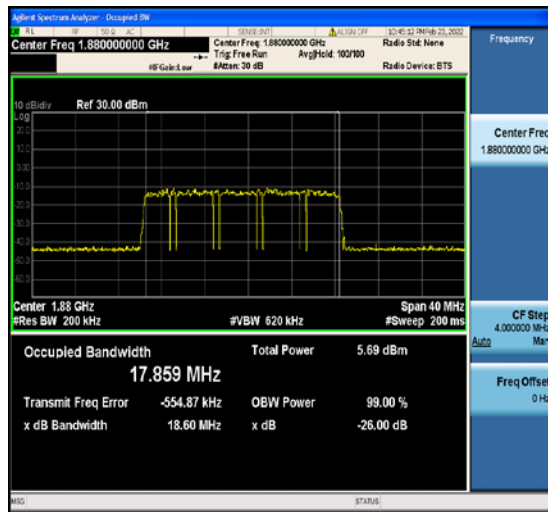
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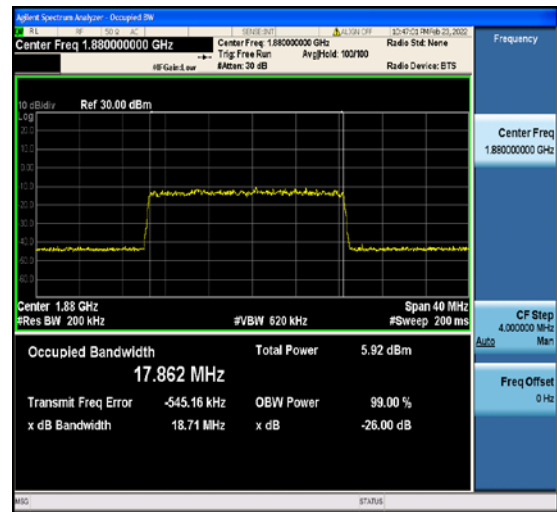
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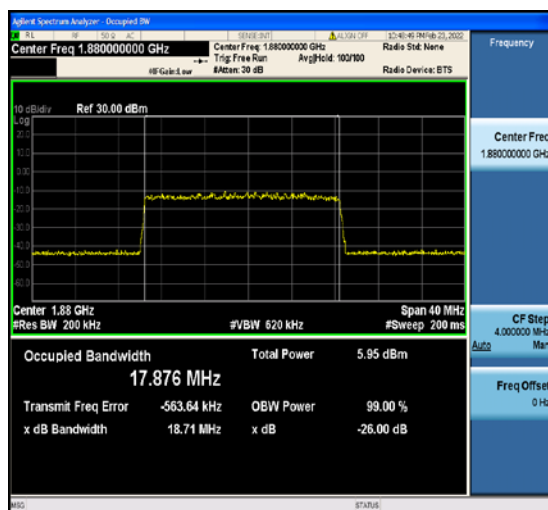
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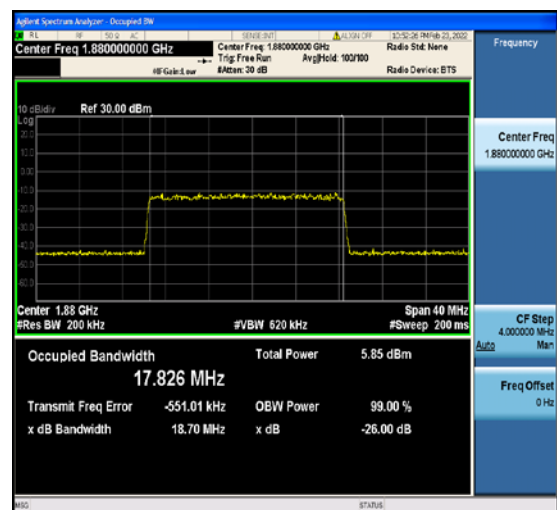
1-N2-PC3-15-20-L-8-CP-256QAM-Outer_Full
-106@0-Ant1-18.946-19.74-≤20-PASS



1-N2-PC3-15-20-M-1-DFT-QPSK-Outer_Full-
100@0-Ant1-17.859-18.60-≤20-PASS

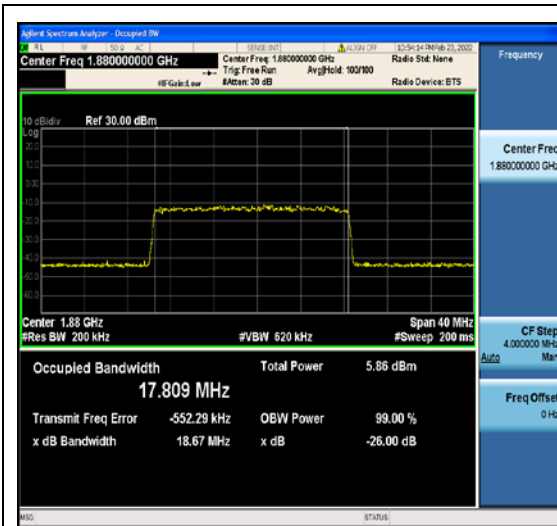


1-N2-PC3-15-20-M-2-DFT-PI2BPSK-Outer_F
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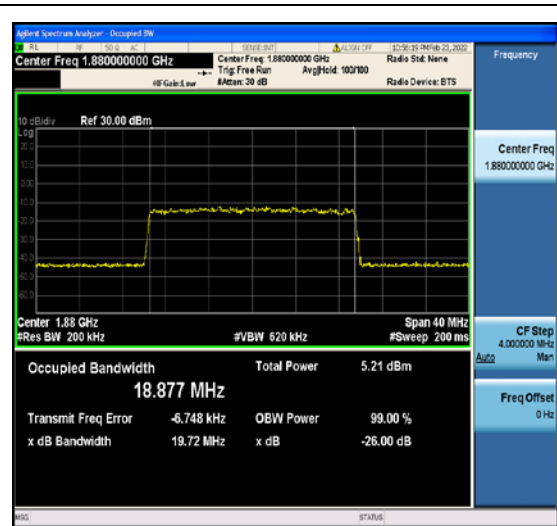


1-N2-PC3-15-20-M-3-DFT-16QAM-Outer_Ful
l-100@0-Ant1-17.876-18.71-≤20-PASS

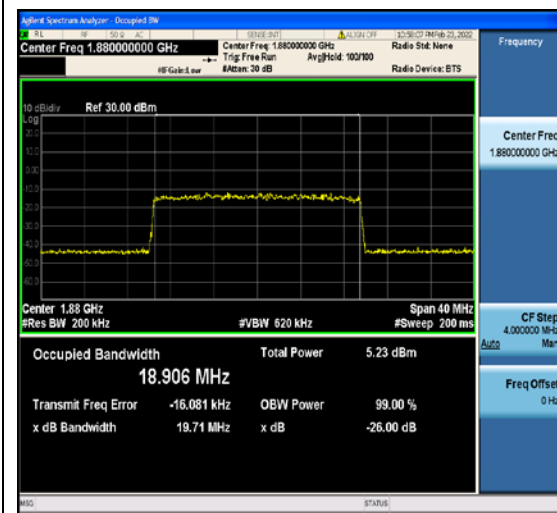
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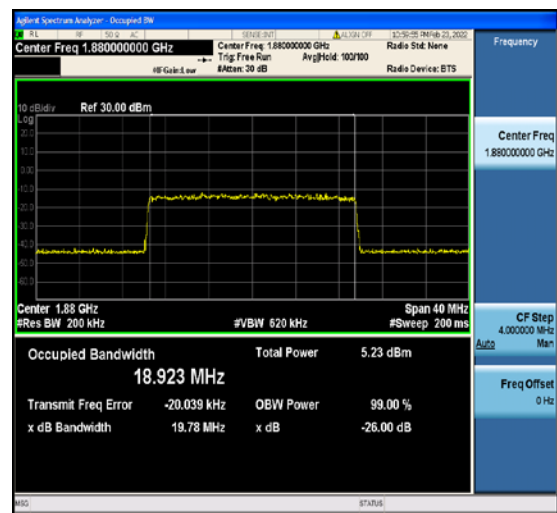
1-N2-PC3-15-20-M-5-CP-QPSK-Outet_Full-106@0-Ant1-17.809-18.67-≤20-PASS



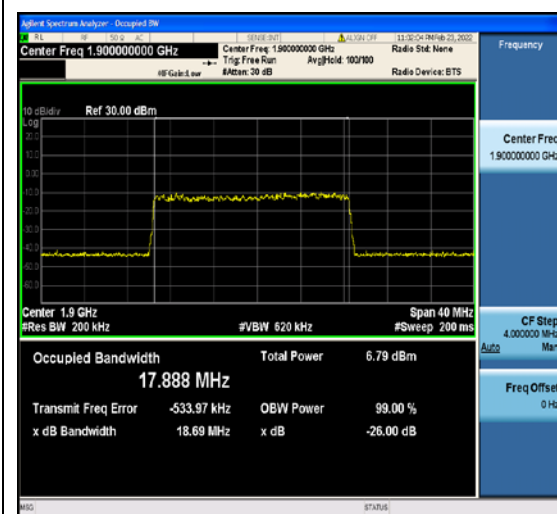
1-N2-PC3-15-20-M-6-CP-16QAM-Outet_Full-106@0-Ant1-18.877-19.72-≤20-PASS



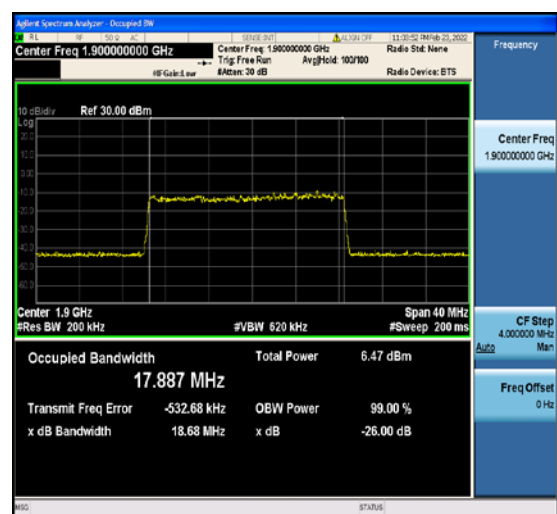
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1-N2-PC3-15-20-M-8-CP-256QAM-Outet_Full-106@0-Ant1-18.923-19.78-≤20-PASS

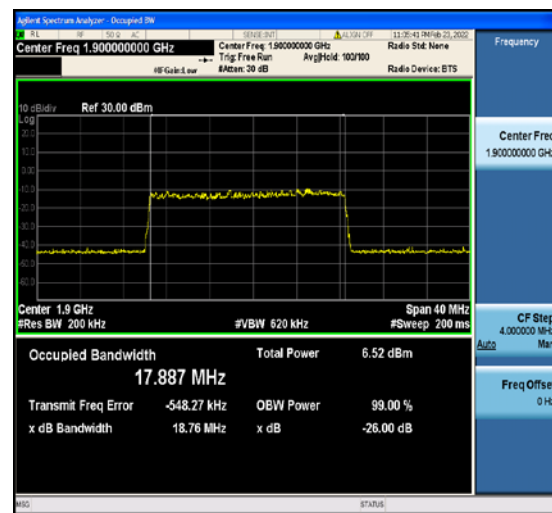


1-N2-PC3-15-20-H-1-DFT-QPSK-Outet_Full-106@0-Ant1-17.888-18.69-≤20-PASS

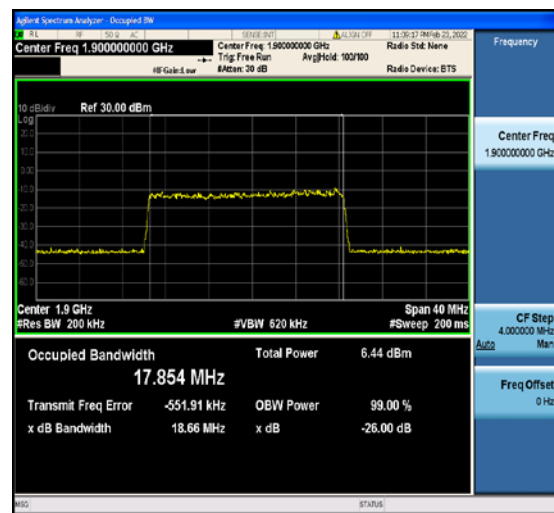


1-N2-PC3-15-20-H-2-DFT-PI2BPSK-Outet_Full-106@0-Ant1-17.887-18.68-≤20-PASS

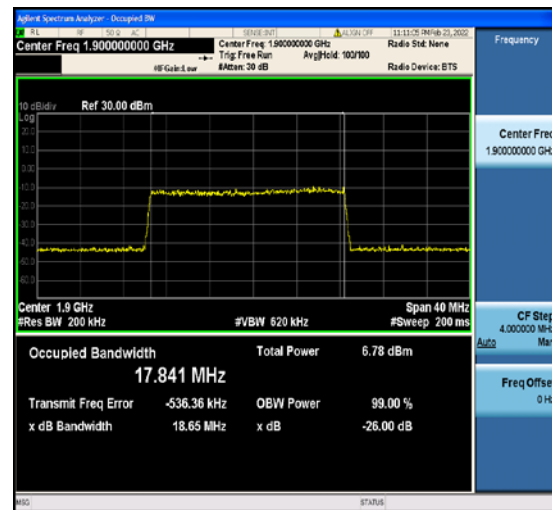
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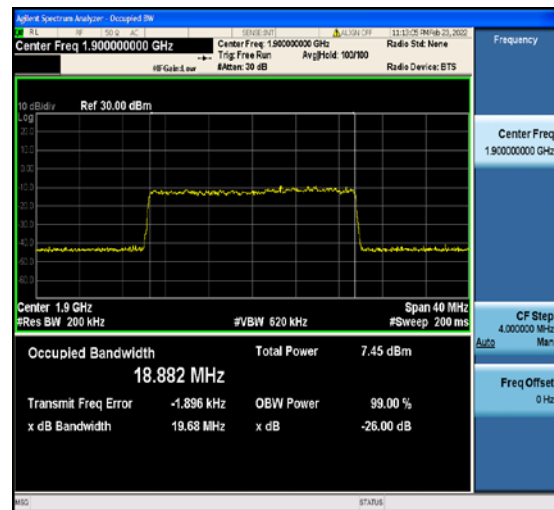
ull-100@0-Ant1-17.887-18.68-≤20-PASS



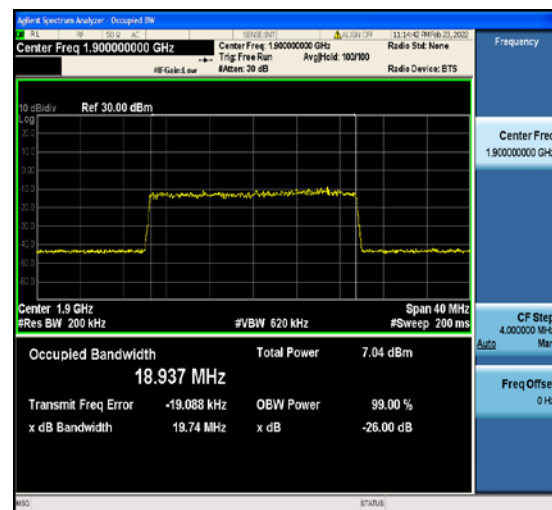
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I-100@0-Ant1-17.887-18.76-≤20-PASS



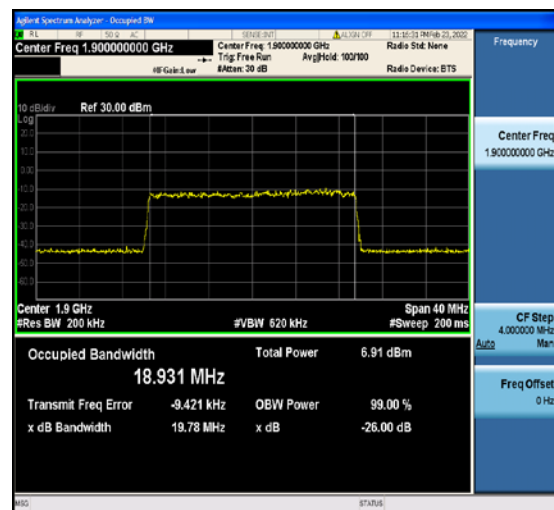
1-N2-PC3-15-20-H-4-DFT-64QAM-Outer_Ful
I-100@0-Ant1-17.854-18.66-≤20-PASS



1-N2-PC3-15-20-H-5-CP-QPSK-Outer_Full-1
06@0-Ant1-17.841-18.65-≤20-PASS



1-N2-PC3-15-20-H-6-CP-16QAM-Outer_Full-
106@0-Ant1-18.882-19.68-≤20-PASS



1-N2-PC3-15-20-H-7-CP-64QAM-Outer_Full-106@0-Ant1-18.937-19.74-≤20-PASS	1-N2-PC3-15-20-H-8-CP-256QAM-Outer_Ful l-106@0-Ant1-18.931-19.78-≤20-PASS
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Appendix D: Band Edge for SA

Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result	Verdict
N2	15	5	DFT-PI2BPSK	L	Edge_1RB_Left	see graph	PASS
N2	15	5	DFT-PI2BPSK	L	Outer_Full	see graph	PASS
N2	15	5	CP-QPSK	L	Edge_1RB_Left	see graph	PASS
N2	15	5	CP-QPSK	L	Outer_Full	see graph	PASS
N2	15	5	DFT-PI2BPSK	H	Edge_1RB_Right	see graph	PASS
N2	15	5	DFT-PI2BPSK	H	Outer_Full	see graph	PASS
N2	15	5	CP-QPSK	H	Edge_1RB_Right	see graph	PASS
N2	15	5	CP-QPSK	H	Outer_Full	see graph	PASS
N2	15	10	DFT-PI2BPSK	L	Edge_1RB_Left	see graph	PASS
N2	15	10	DFT-PI2BPSK	L	Outer_Full	see graph	PASS
N2	15	10	CP-QPSK	L	Edge_1RB_Left	see graph	PASS
N2	15	10	CP-QPSK	L	Outer_Full	see graph	PASS
N2	15	10	DFT-PI2BPSK	H	Edge_1RB_Right	see graph	PASS
N2	15	10	DFT-PI2BPSK	H	Outer_Full	see graph	PASS
N2	15	10	CP-QPSK	H	Edge_1RB_Right	see graph	PASS
N2	15	10	CP-QPSK	H	Outer_Full	see graph	PASS
N2	15	15	DFT-PI2BPSK	L	Edge_1RB_Left	see graph	PASS
N2	15	15	DFT-PI2BPSK	L	Outer_Full	see graph	PASS
N2	15	15	CP-QPSK	L	Edge_1RB_Left	see graph	PASS
N2	15	15	CP-QPSK	L	Outer_Full	see graph	PASS
N2	15	15	DFT-PI2BPSK	H	Edge_1RB_Right	see graph	PASS
N2	15	15	DFT-PI2BPSK	H	Outer_Full	see graph	PASS
N2	15	15	CP-QPSK	H	Edge_1RB_Right	see graph	PASS
N2	15	15	CP-QPSK	H	Outer_Full	see graph	PASS
N2	15	20	DFT-PI2BPSK	L	Edge_1RB_Left	see graph	PASS
N2	15	20	DFT-PI2BPSK	L	Outer_Full	see graph	PASS
N2	15	20	CP-QPSK	L	Edge_1RB_Left	see graph	PASS
N2	15	20	CP-QPSK	L	Outer_Full	see graph	PASS
N2	15	20	DFT-PI2BPSK	H	Edge_1RB_Right	see graph	PASS
N2	15	20	DFT-PI2BPSK	H	Outer_Full	see graph	PASS
N2	15	20	CP-QPSK	H	Edge_1RB_Right	see graph	PASS
N2	15	20	CP-QPSK	H	Outer_Full	see graph	PASS

Test Graphs

