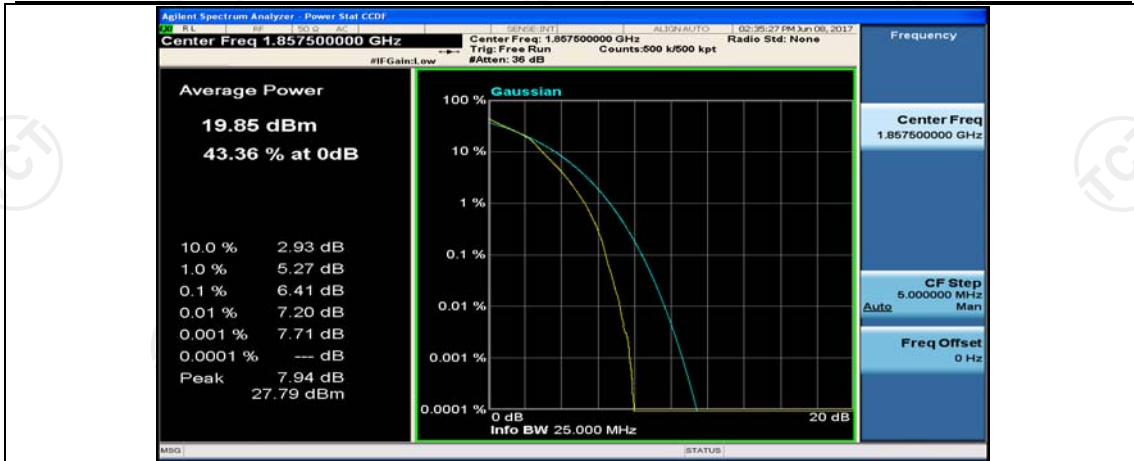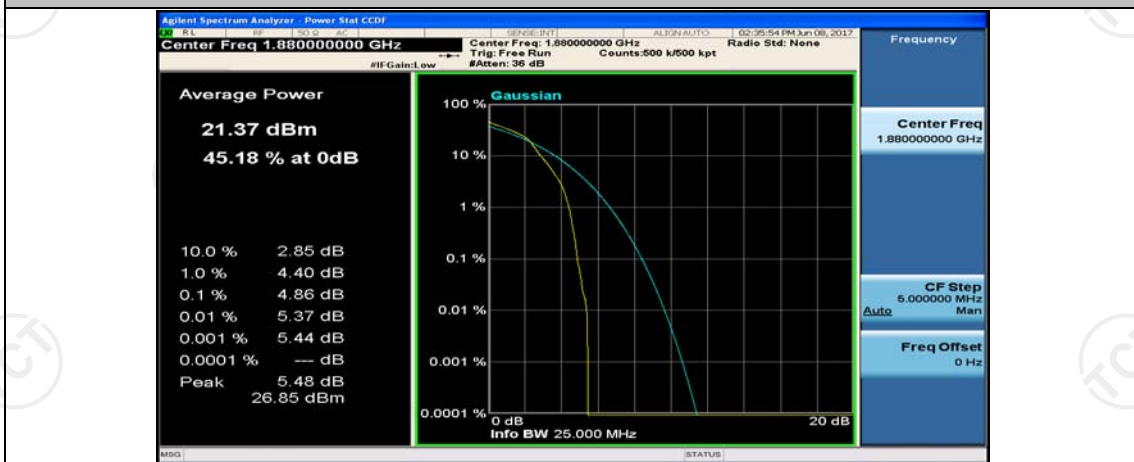(Channel Bandwidth:15 MHz)_LCH_16QAM_37RB#18

(Channel Bandwidth:15 MHz)_LCH_16QAM_37RB#38
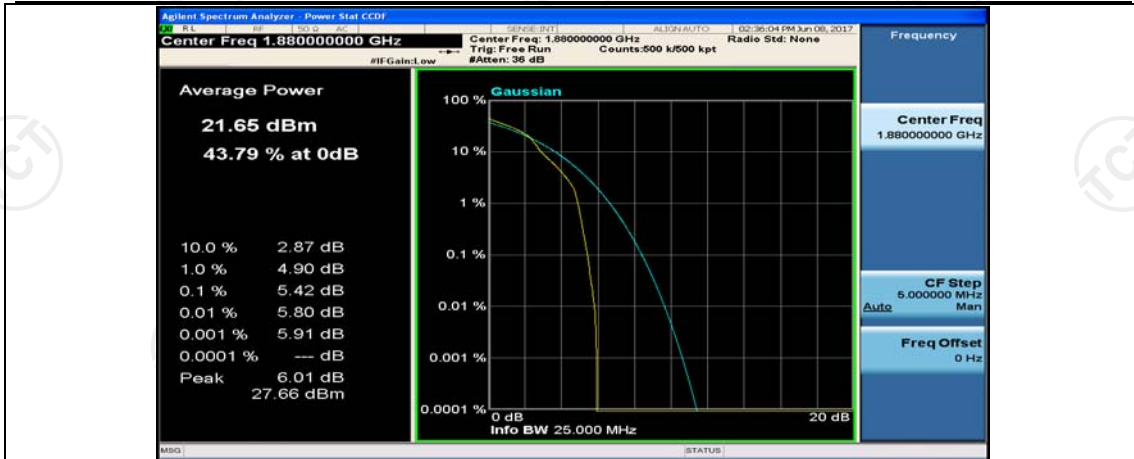

(Channel Bandwidth:15 MHz)_LCH_16QAM_75RB#0

(Channel Bandwidth:15 MHz)_MCH_16QAM_1RB#0

(Channel Bandwidth:15 MHz)_MCH_16QAM_1RB#37
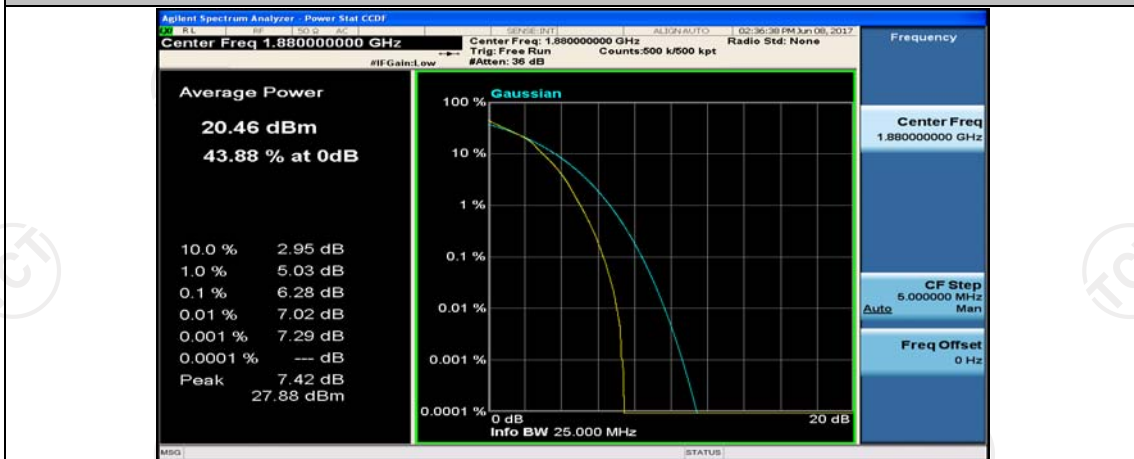

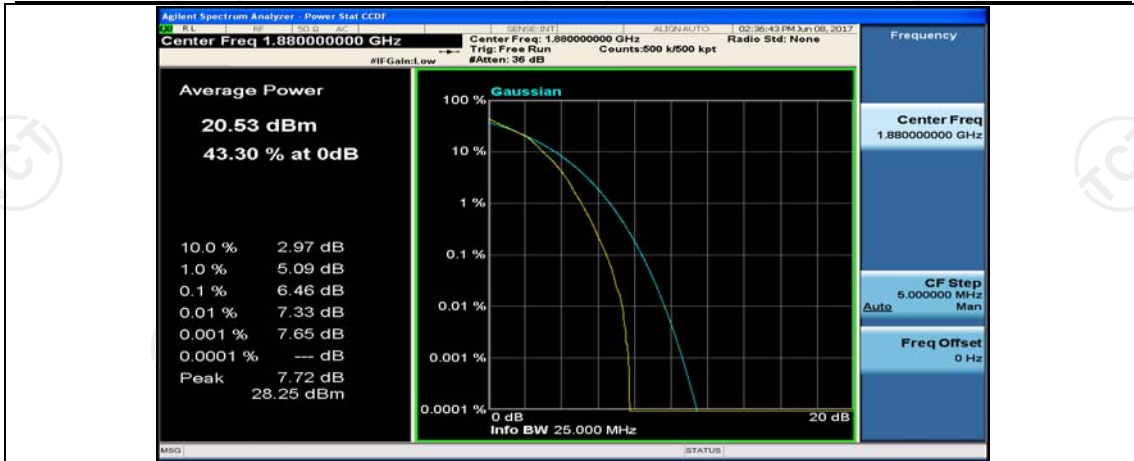(Channel Bandwidth:15 MHz)_MCH_16QAM_1RB#74

(Channel Bandwidth:15 MHz)_MCH_16QAM_37RB#0
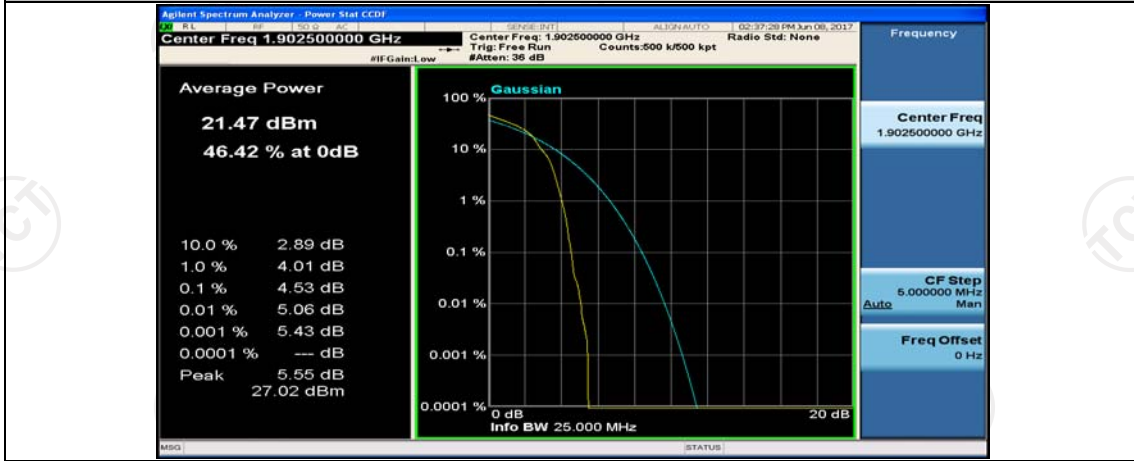

(Channel Bandwidth:15 MHz)_MCH_16QAM_37RB#18

(Channel Bandwidth:15 MHz)_MCH_16QAM_37RB#38

(Channel Bandwidth:15 MHz)_MCH_16QAM_75RB#0

(Channel Bandwidth:15 MHz)_HCH_16QAM_1RB#0

(Channel Bandwidth:15 MHz)_HCH_16QAM_1RB#37

(Channel Bandwidth:15 MHz)_HCH_16QAM_1RB#74

(Channel Bandwidth:15 MHz)_HCH_16QAM_37RB#0

(Channel Bandwidth:15 MHz)_HCH_16QAM_37RB#18

(Channel Bandwidth:15 MHz)_HCH_16QAM_37RB#38
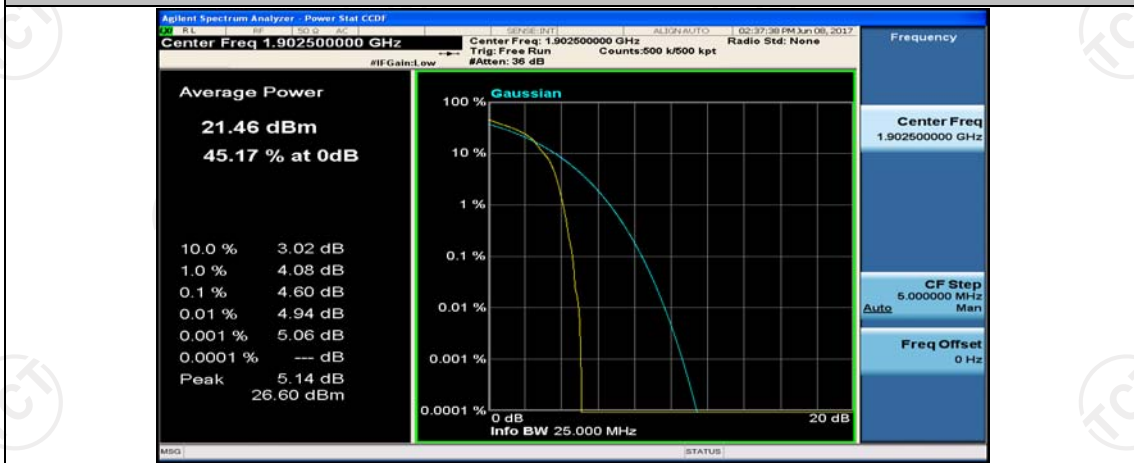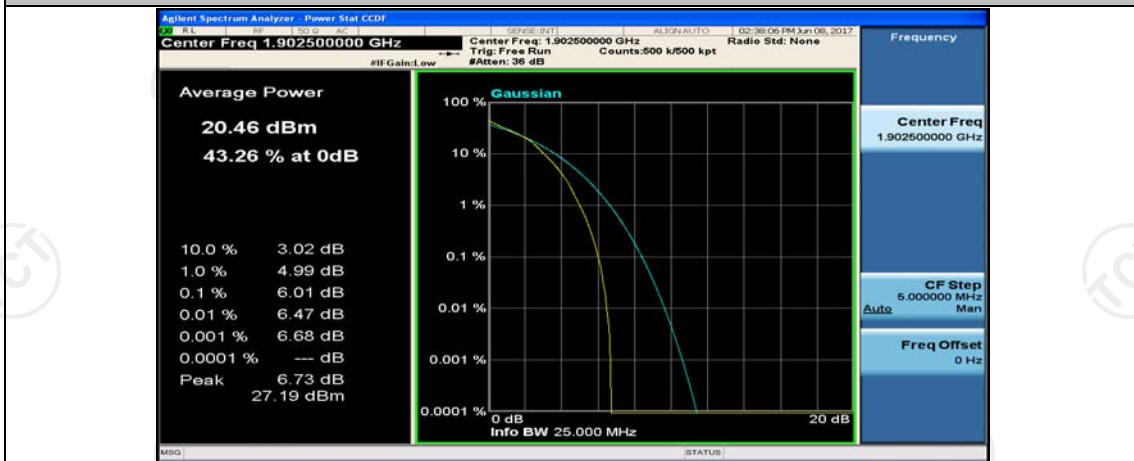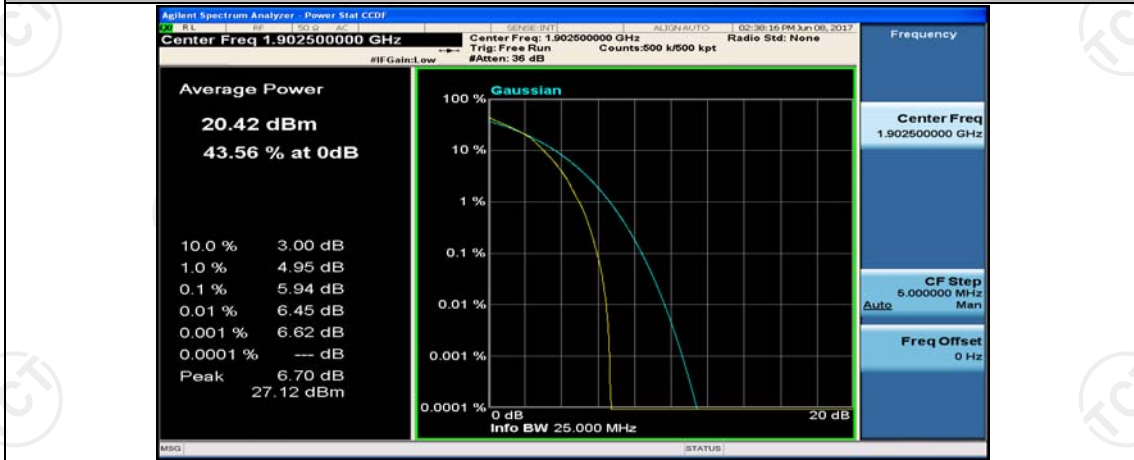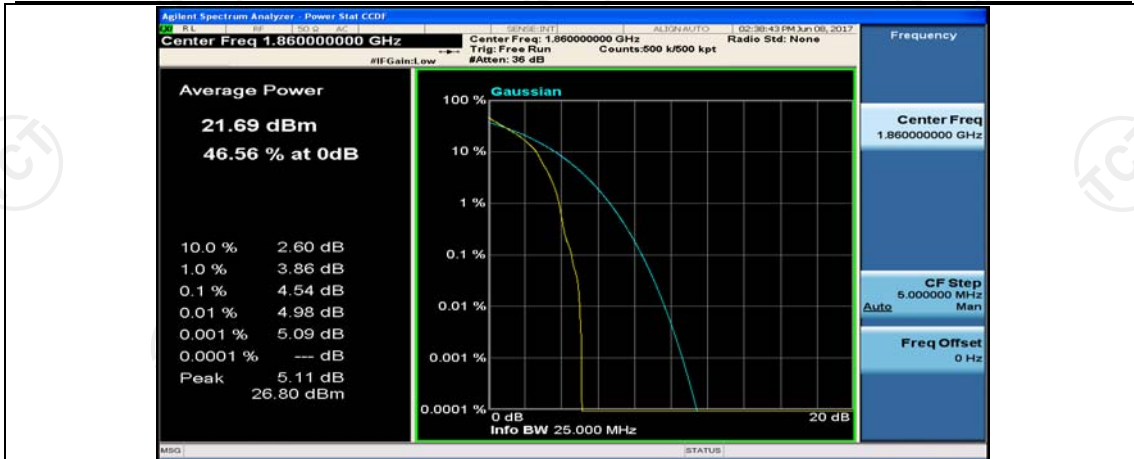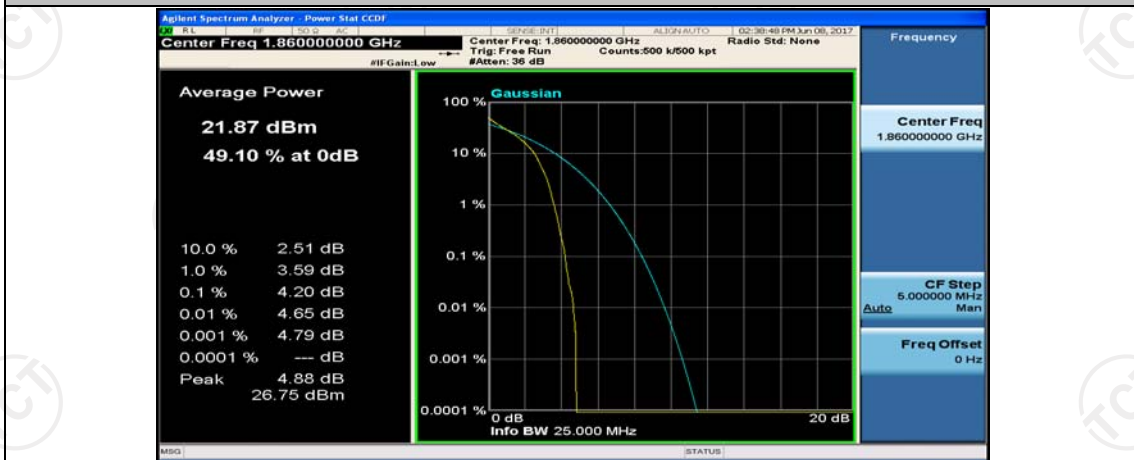

(Channel Bandwidth:15 MHz)_HCH_16QAM_75RB#0
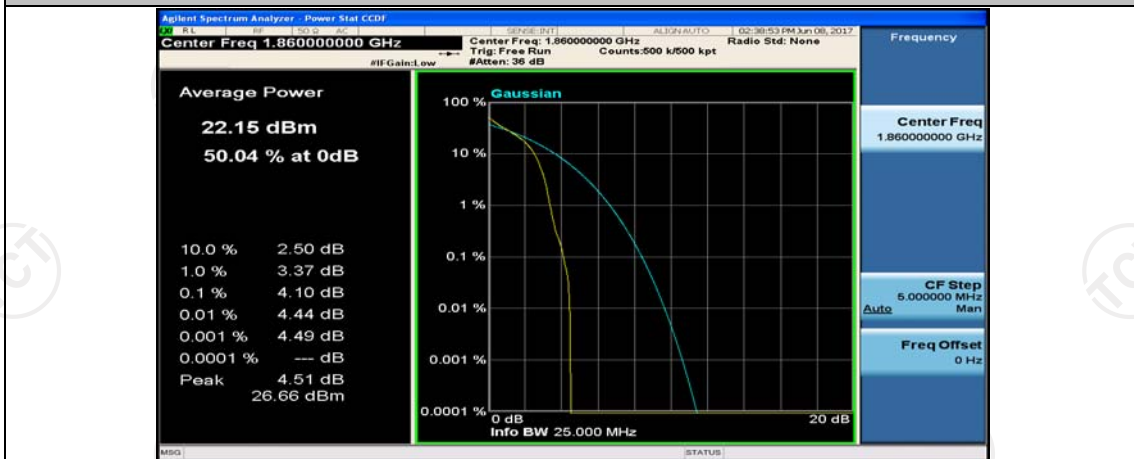

Channel Bandwidth: 20 MHz

(Channel Bandwidth:20 MHz)_LCH_QPSK_1RB#0

(Channel Bandwidth:20 MHz)_LCH_QPSK_1RB#49

(Channel Bandwidth:20 MHz)_LCH_QPSK_1RB#99

(Channel Bandwidth:20 MHz)_LCH_QPSK_50RB#0

(Channel Bandwidth:20 MHz)_LCH_QPSK_50RB#25

(Channel Bandwidth:20 MHz)_LCH_QPSK_50RB#50

(Channel Bandwidth:20 MHz)_LCH_QPSK_100RB#0
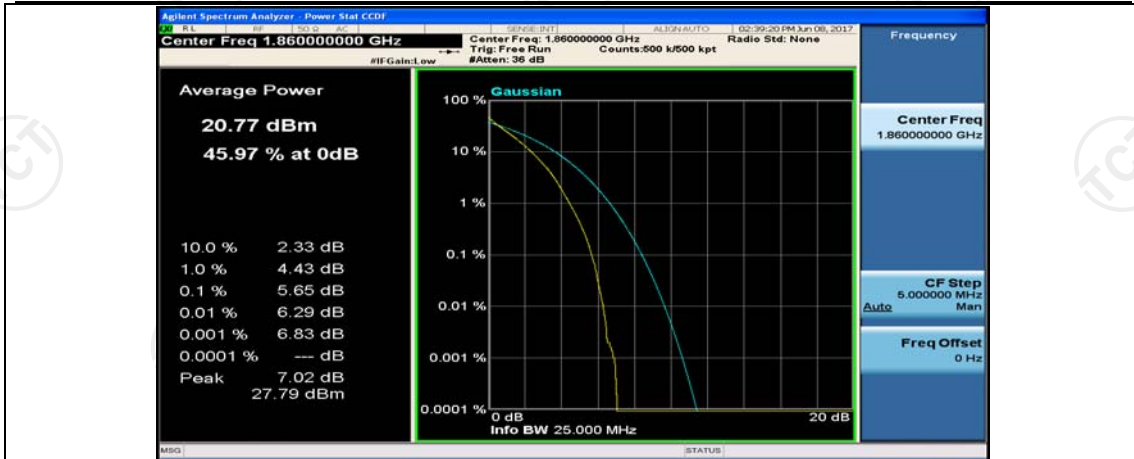
(Channel Bandwidth:20 MHz)_MCH_QPSK_1RB#0

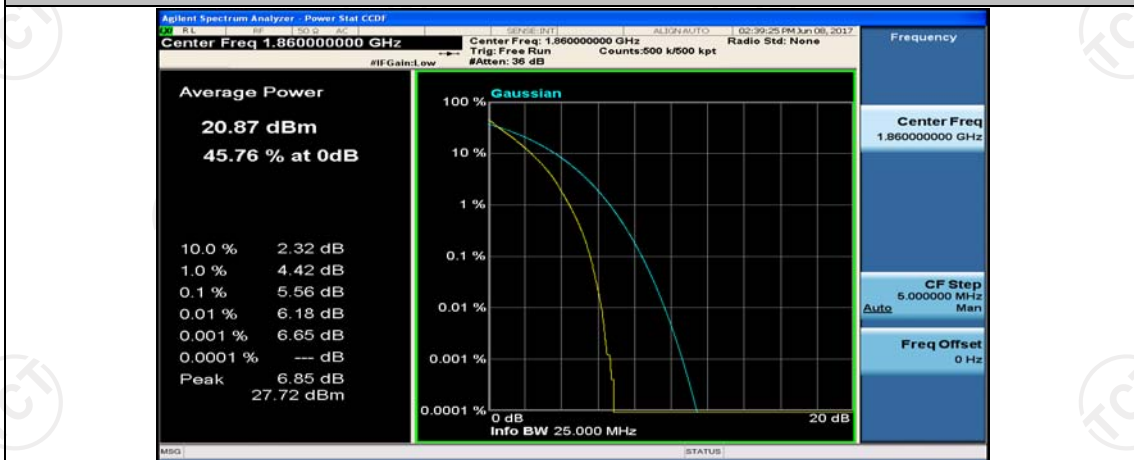(Channel Bandwidth:20 MHz)_MCH_QPSK_1RB#49

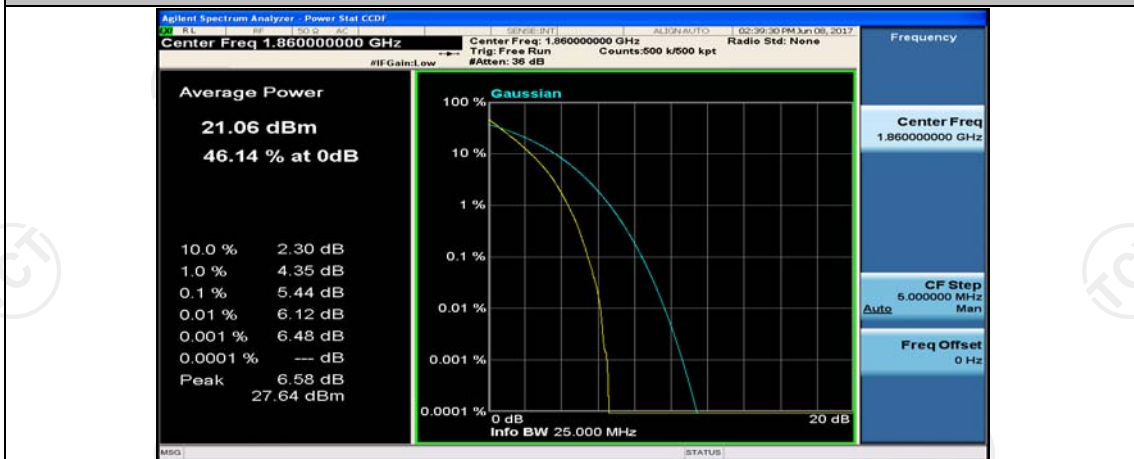(Channel Bandwidth:20 MHz)_MCH_QPSK_1RB#99

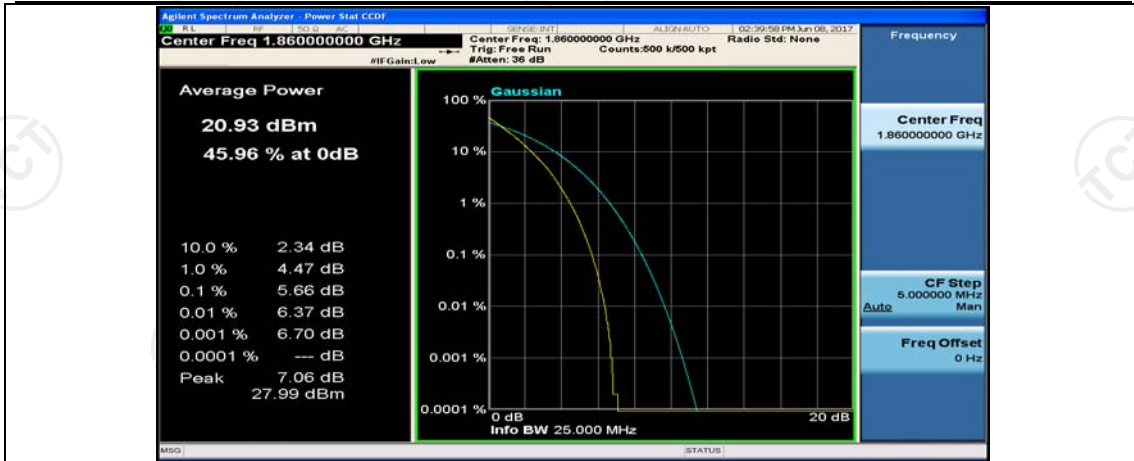(Channel Bandwidth:20 MHz)_MCH_QPSK_50RB#0

(Channel Bandwidth:20 MHz)_MCH_QPSK_50RB#25
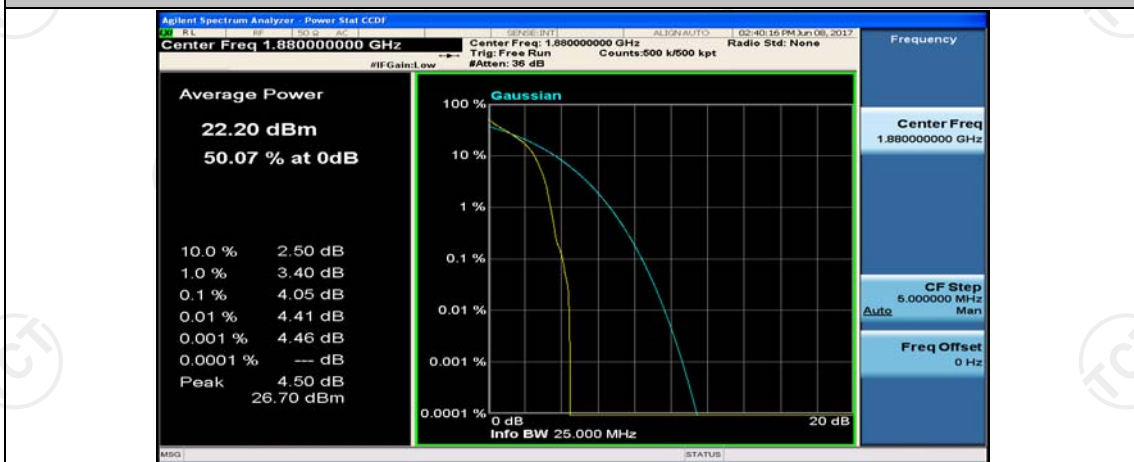

(Channel Bandwidth:20 MHz)_MCH_QPSK_50RB#50

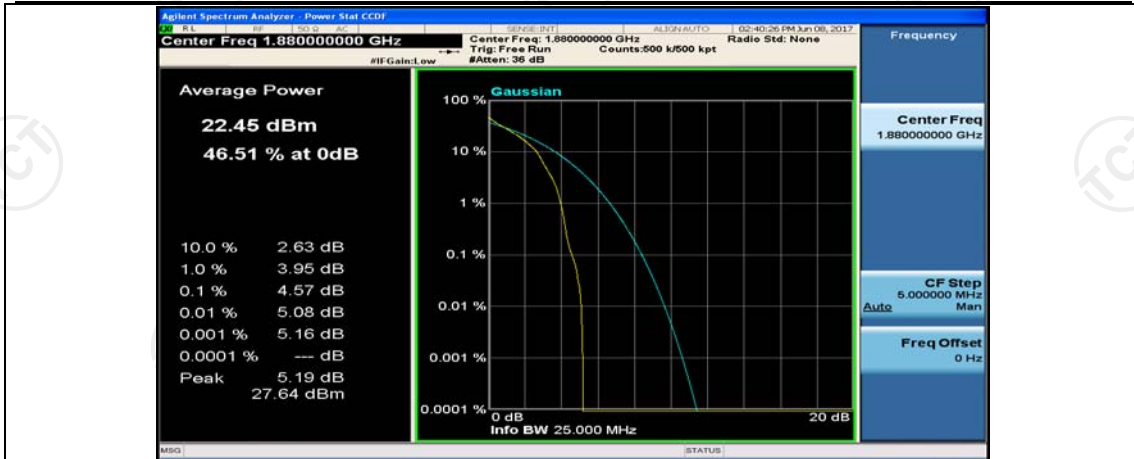(Channel Bandwidth:20 MHz)_MCH_QPSK_100RB#0
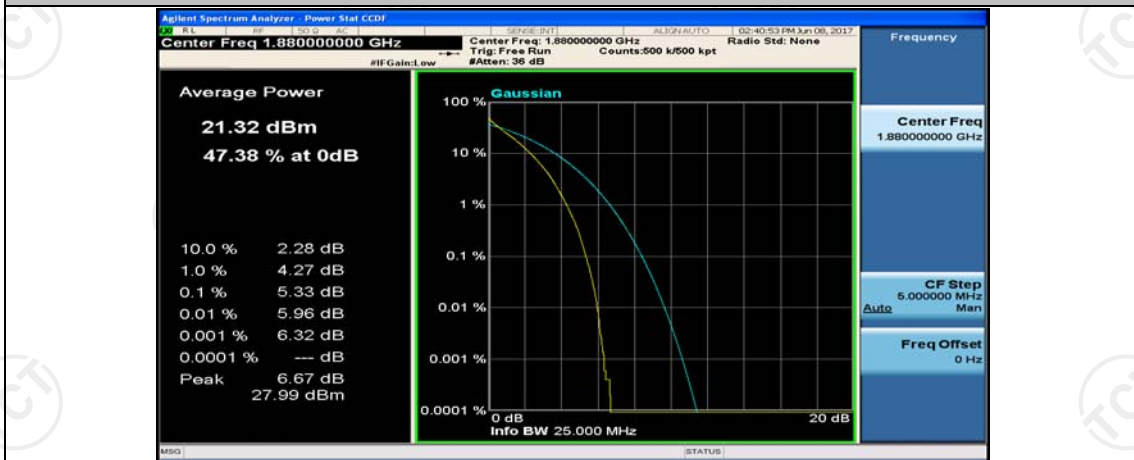

(Channel Bandwidth:20 MHz)_HCH_QPSK_1RB#0
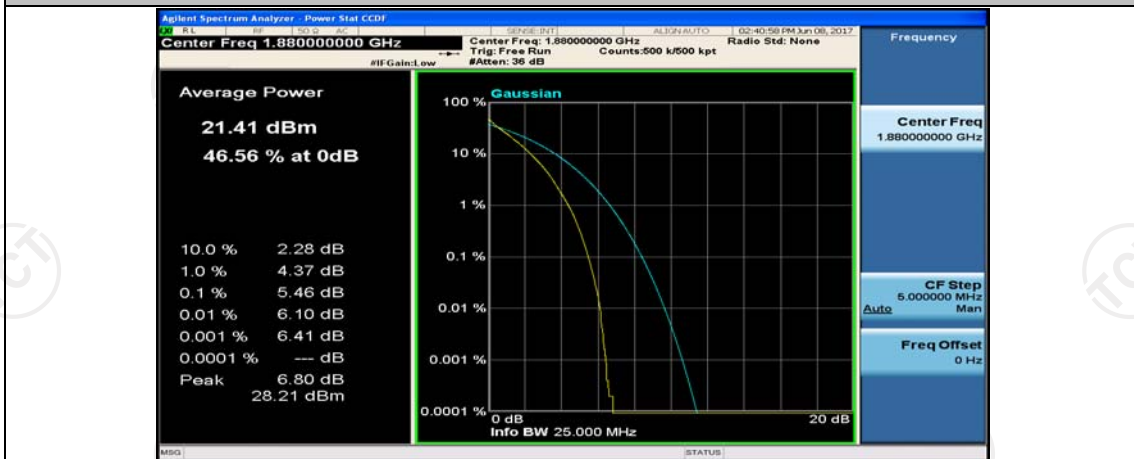

(Channel Bandwidth:20 MHz)_HCH_QPSK_1RB#49
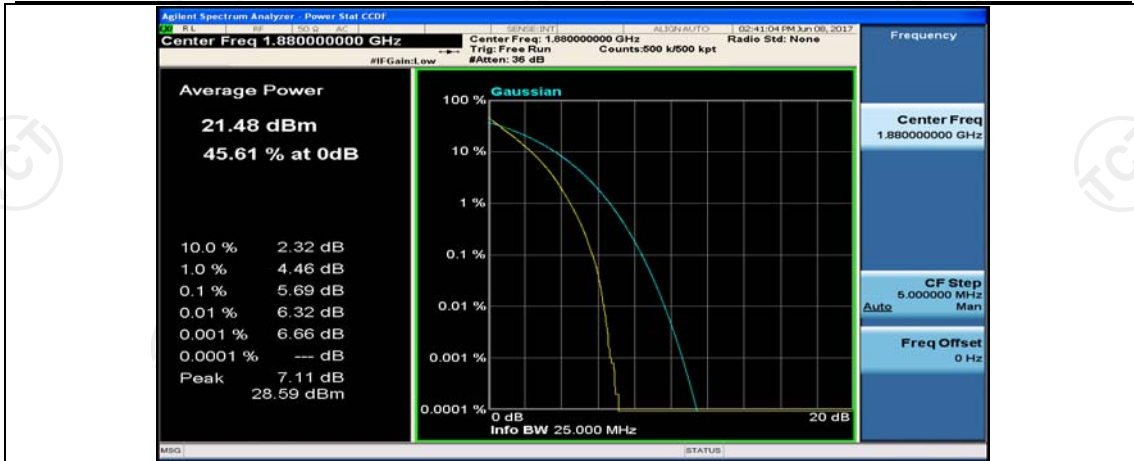
(Channel Bandwidth:20 MHz)_HCH_QPSK_1RB#99

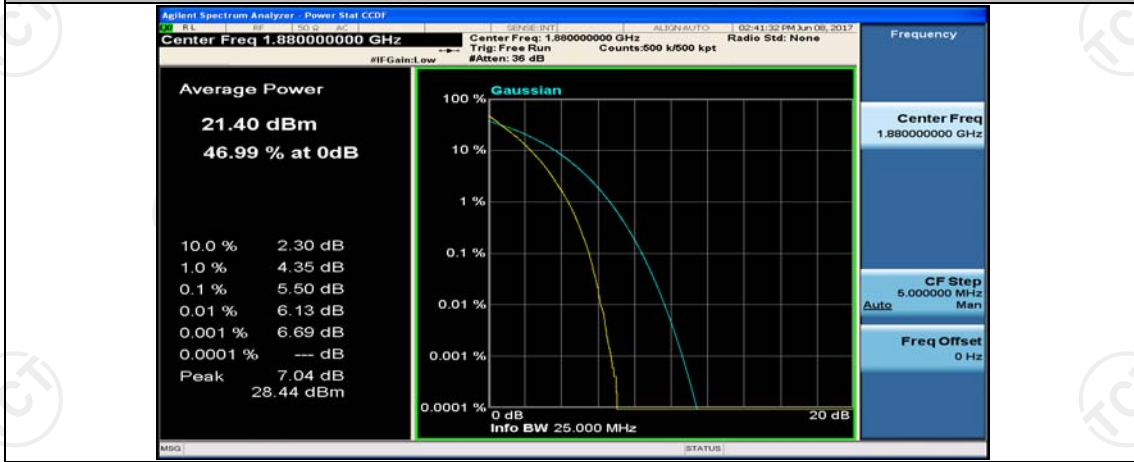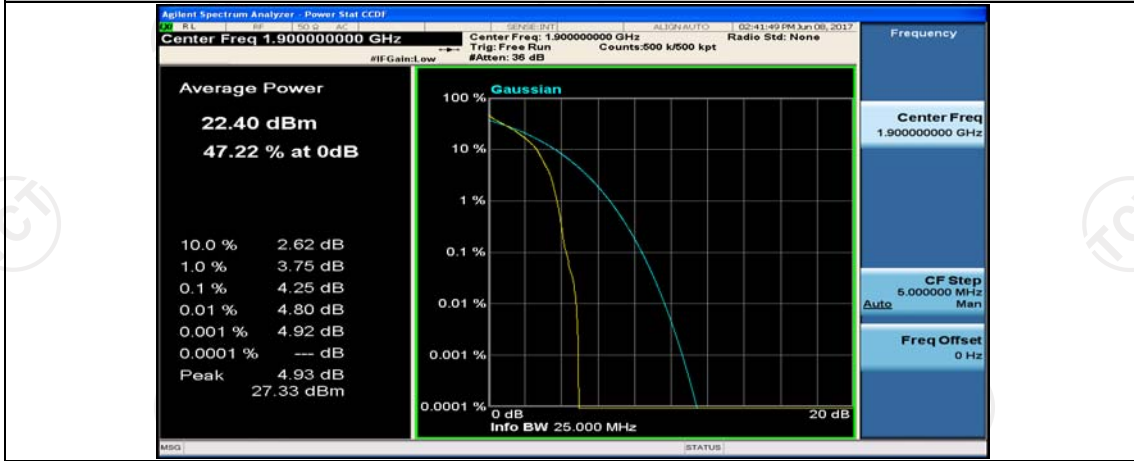(Channel Bandwidth:20 MHz)_HCH_QPSK_50RB#0

(Channel Bandwidth:20 MHz)_HCH_QPSK_50RB#25

(Channel Bandwidth:20 MHz)_HCH_QPSK_50RB#50

(Channel Bandwidth:20 MHz)_HCH_QPSK_100RB#0

(Channel Bandwidth:20 MHz)_LCH_16QAM_1RB#0

(Channel Bandwidth:20 MHz)_LCH_16QAM_1RB#49

(Channel Bandwidth:20 MHz)_LCH_16QAM_1RB#99

(Channel Bandwidth:20 MHz)_LCH_16QAM_50RB#0

(Channel Bandwidth:20 MHz)_LCH_16QAM_50RB#25

(Channel Bandwidth:20 MHz)_LCH_16QAM_50RB#50

(Channel Bandwidth:20 MHz)_LCH_16QAM_100RB#0
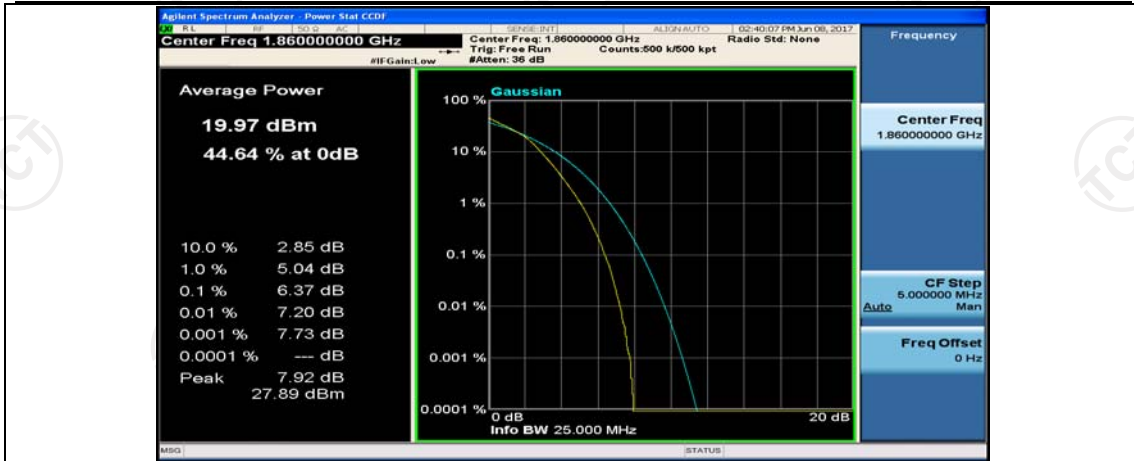
(Channel Bandwidth:20 MHz)_MCH_16QAM_1RB#0

(Channel Bandwidth:20 MHz)_MCH_16QAM_1RB#49
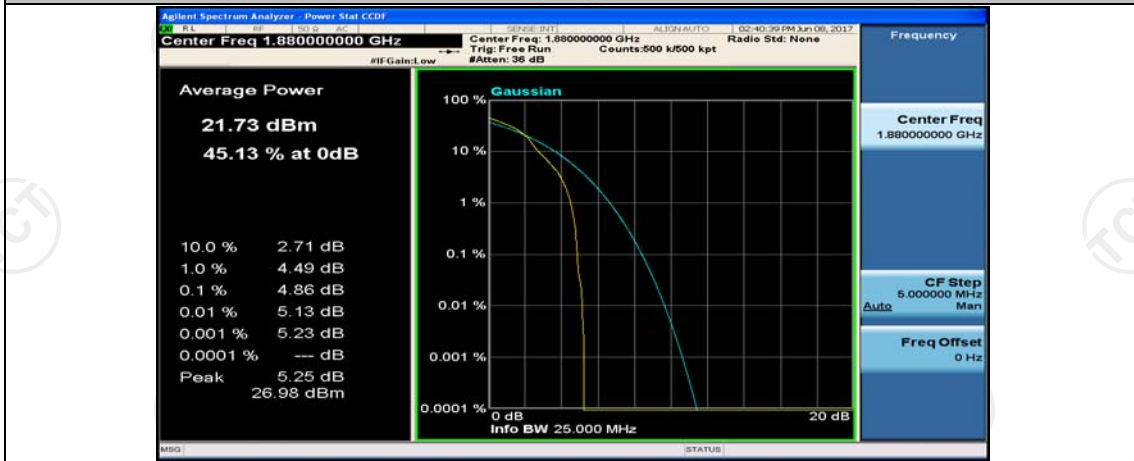
(Channel Bandwidth:20 MHz)_MCH_16QAM_1RB#99
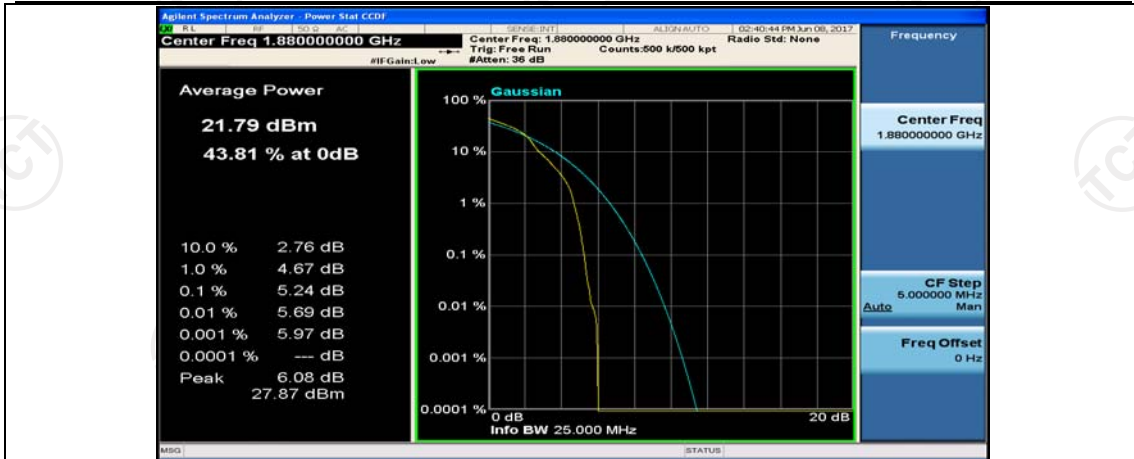
(Channel Bandwidth:20 MHz)_MCH_16QAM_50RB#0
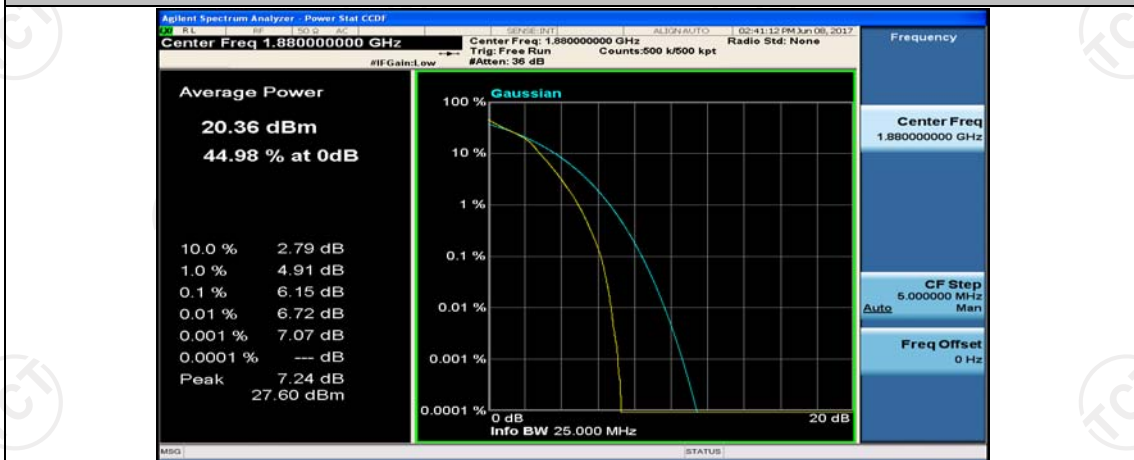
(Channel Bandwidth:20 MHz)_MCH_16QAM_50RB#25
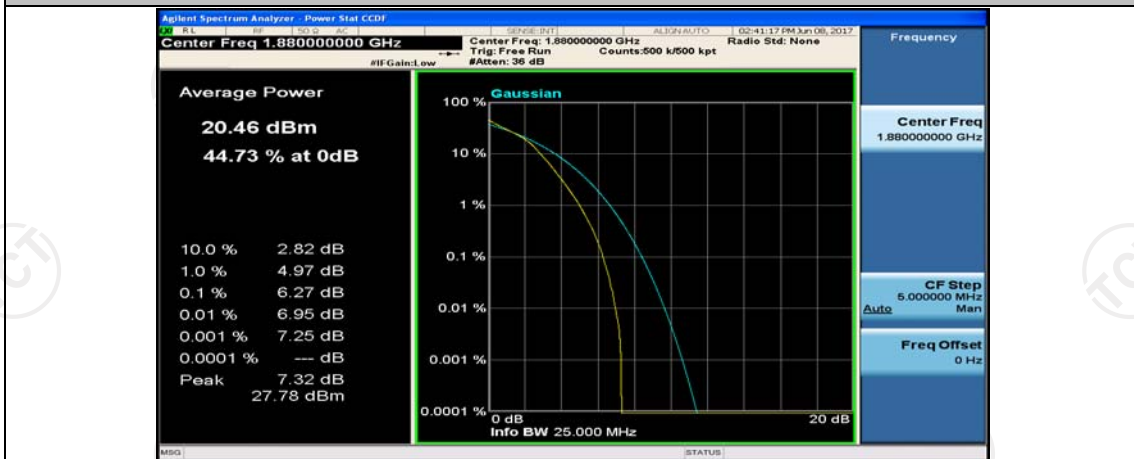
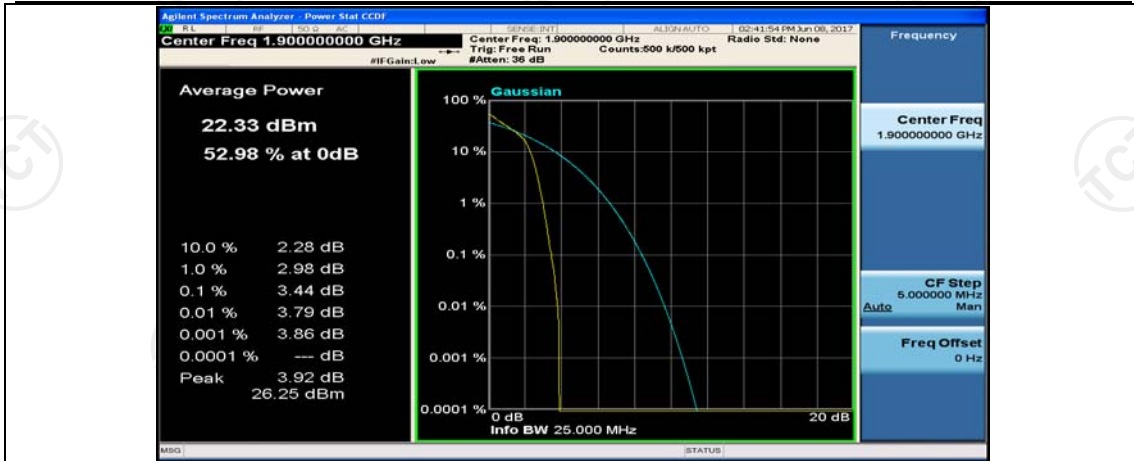**(Channel Bandwidth:20 MHz)_MCH_16QAM_50RB#50**

(Channel Bandwidth:20 MHz)_MCH_16QAM_100RB#0
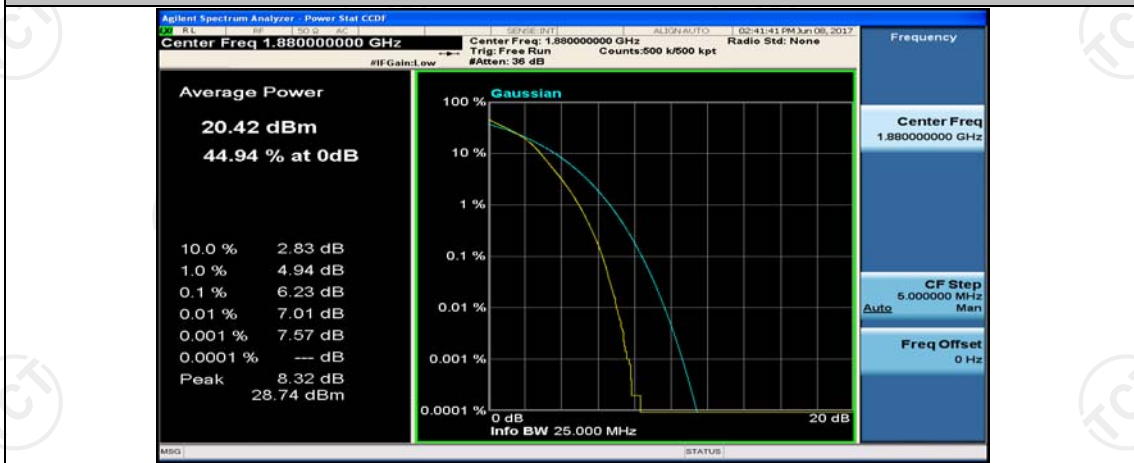
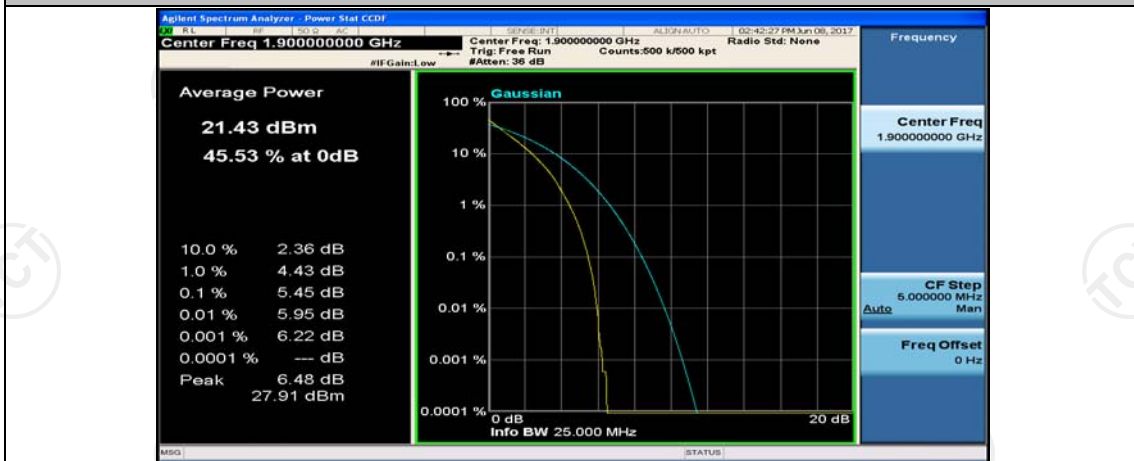(Channel Bandwidth:20 MHz)_HCH_16QAM_1RB#0
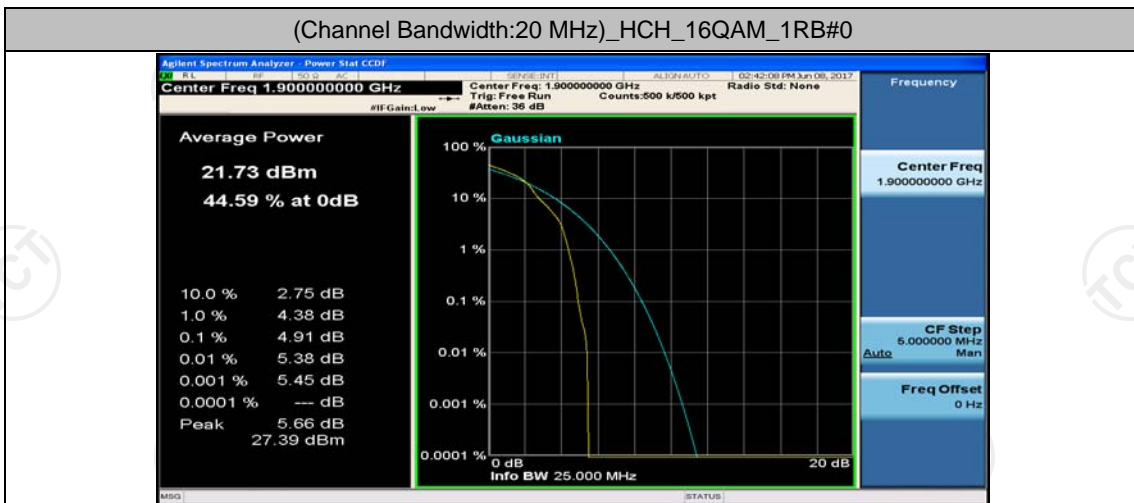
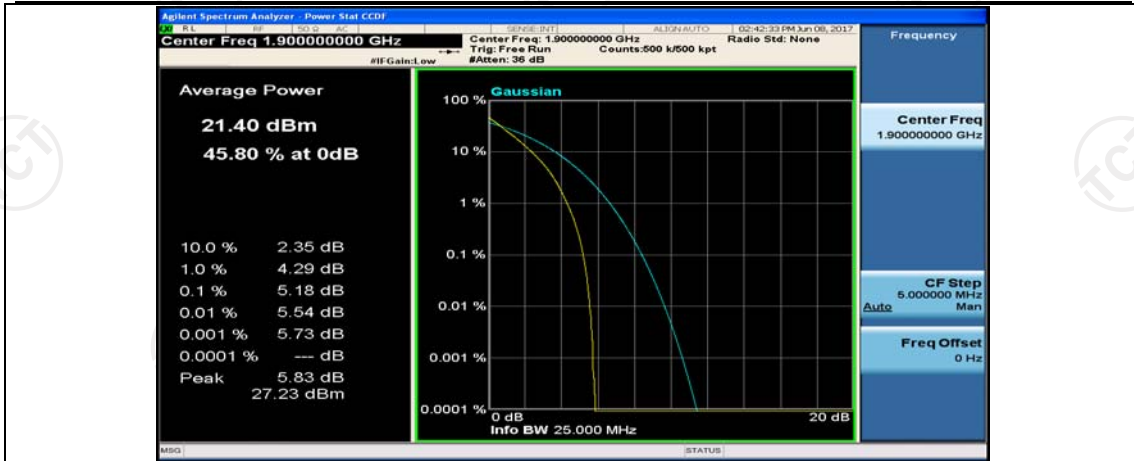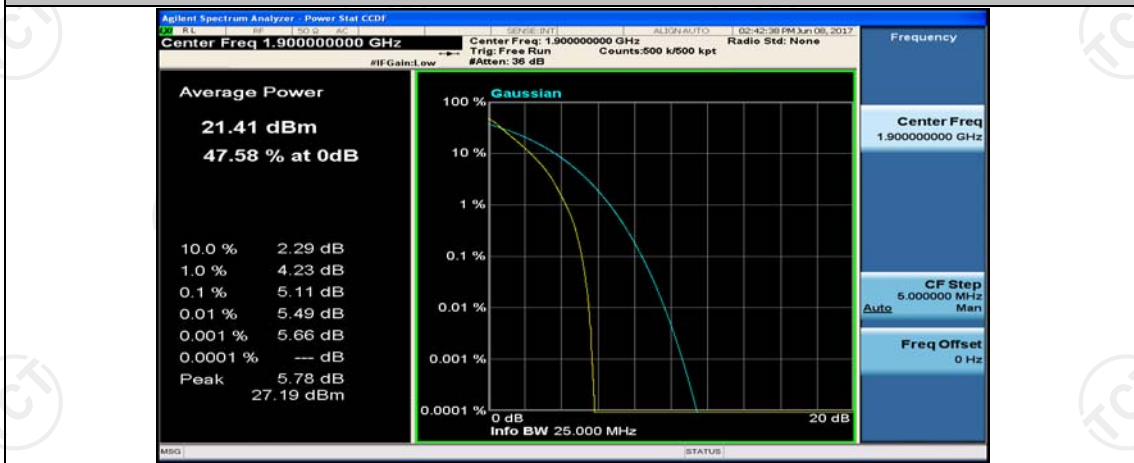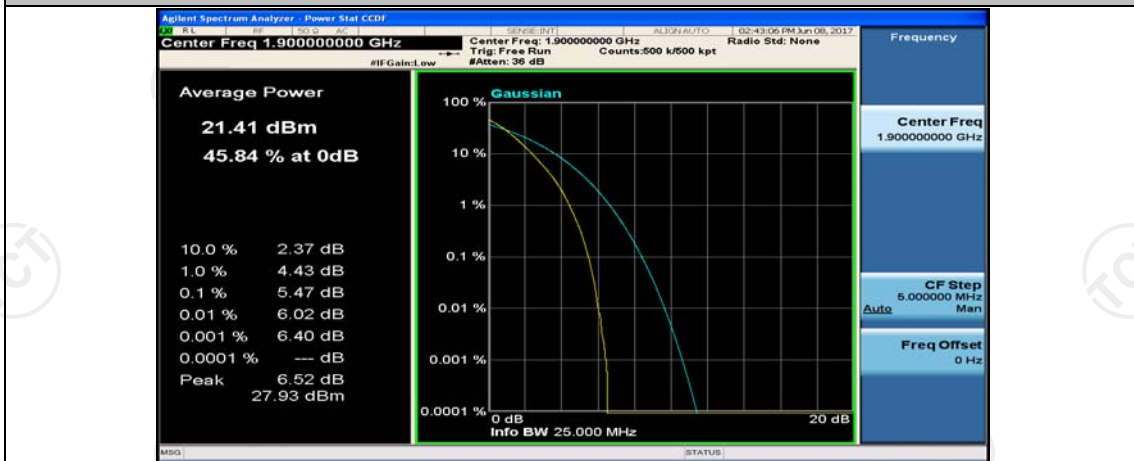(Channel Bandwidth:20 MHz)_HCH_16QAM_1RB#49
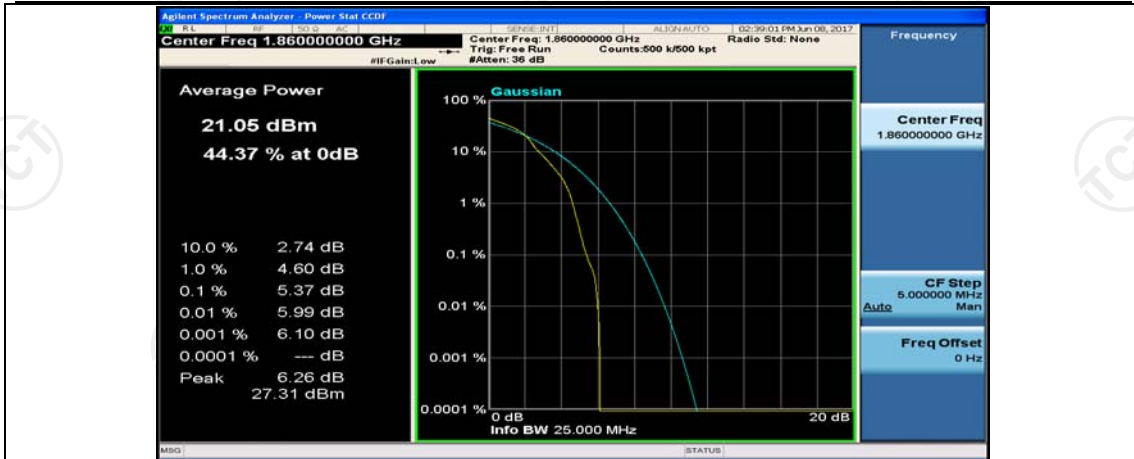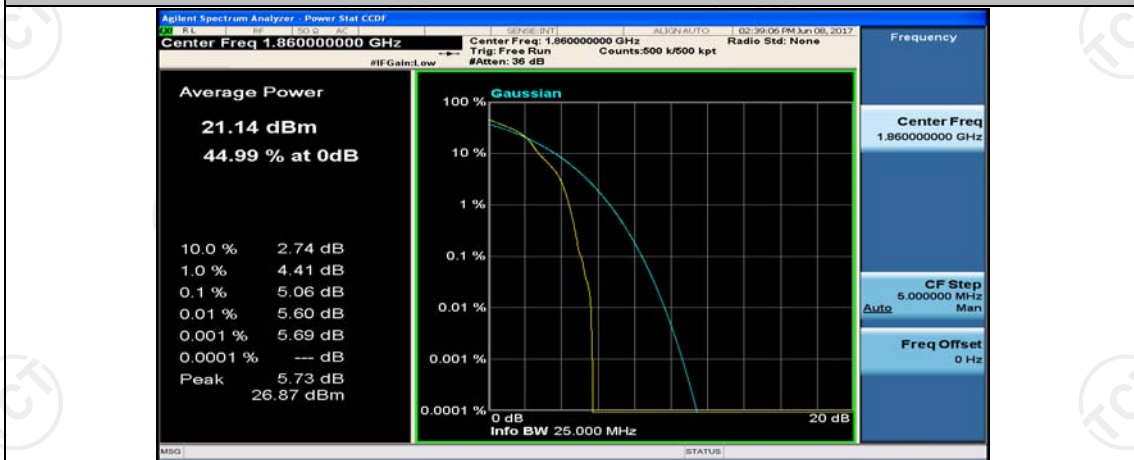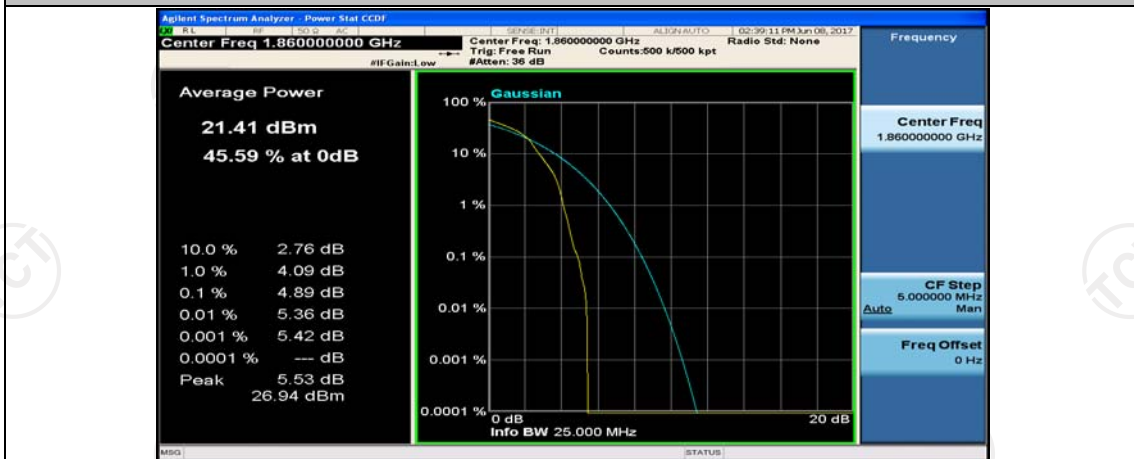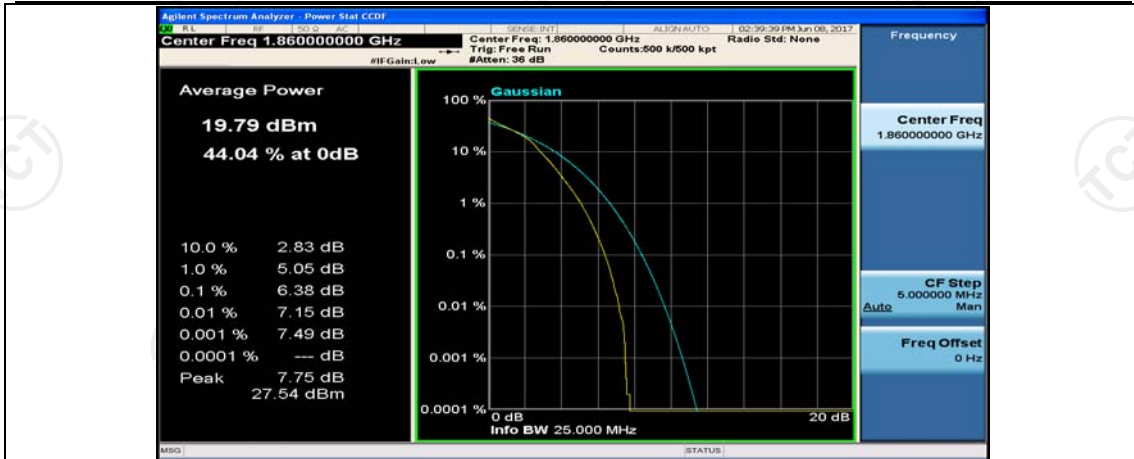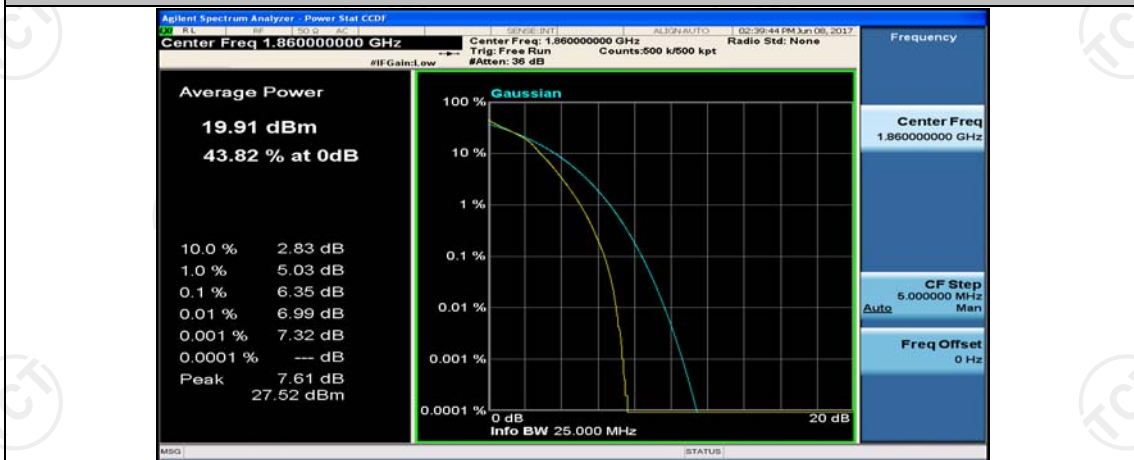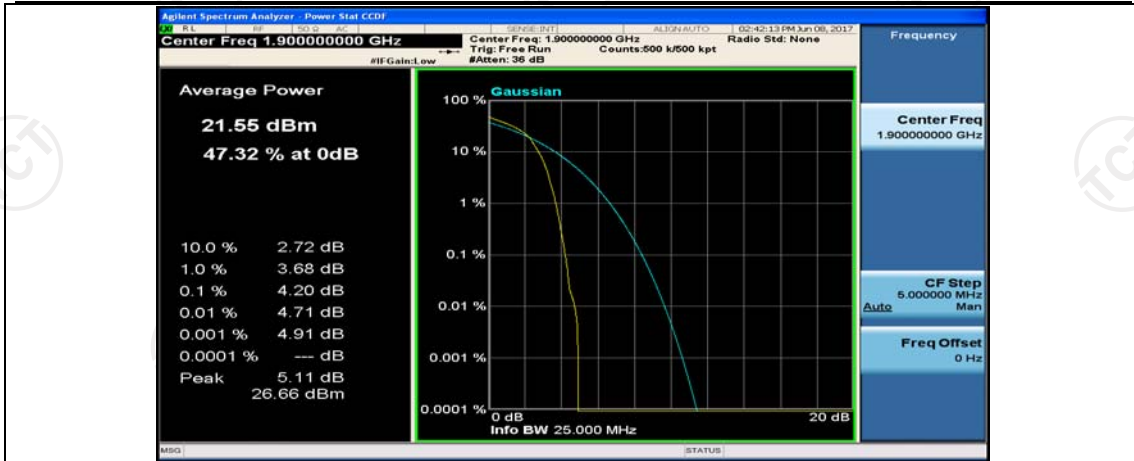
(Channel Bandwidth:20 MHz)_HCH_16QAM_1RB#99
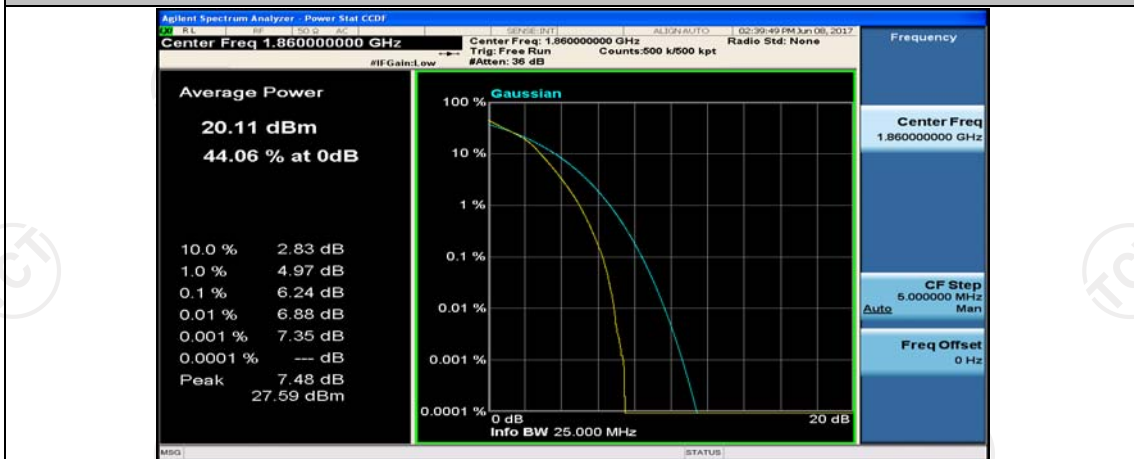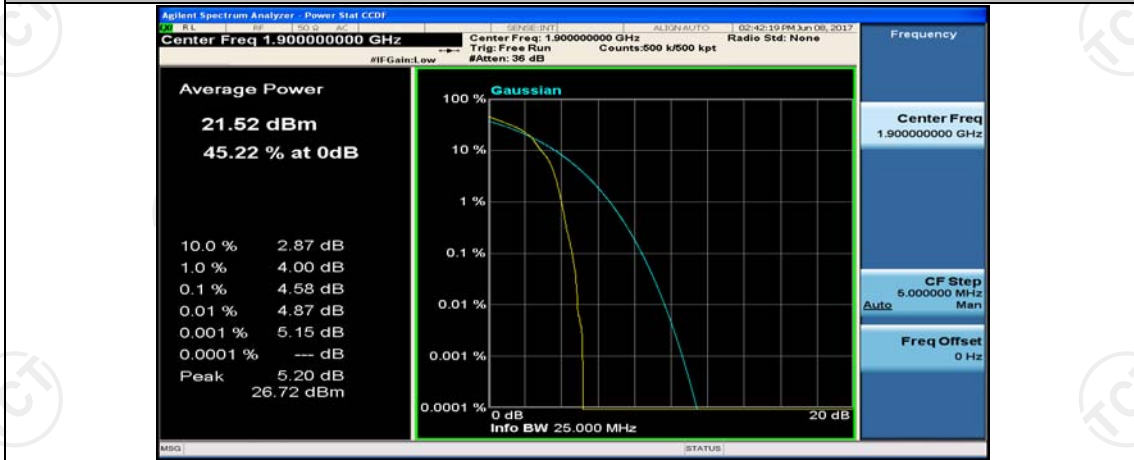

(Channel Bandwidth:20 MHz)_HCH_16QAM_50RB#0
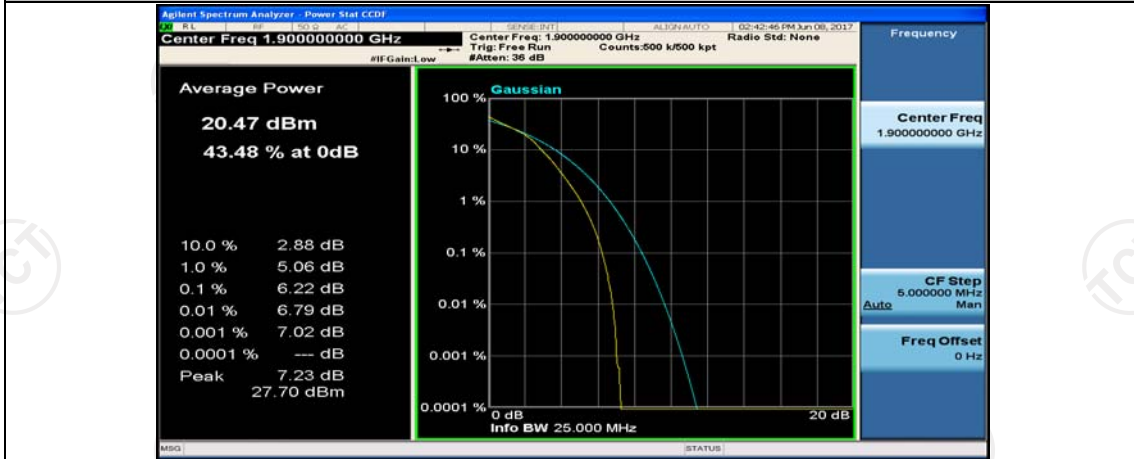
(Channel Bandwidth:20 MHz)_HCH_16QAM_50RB#25
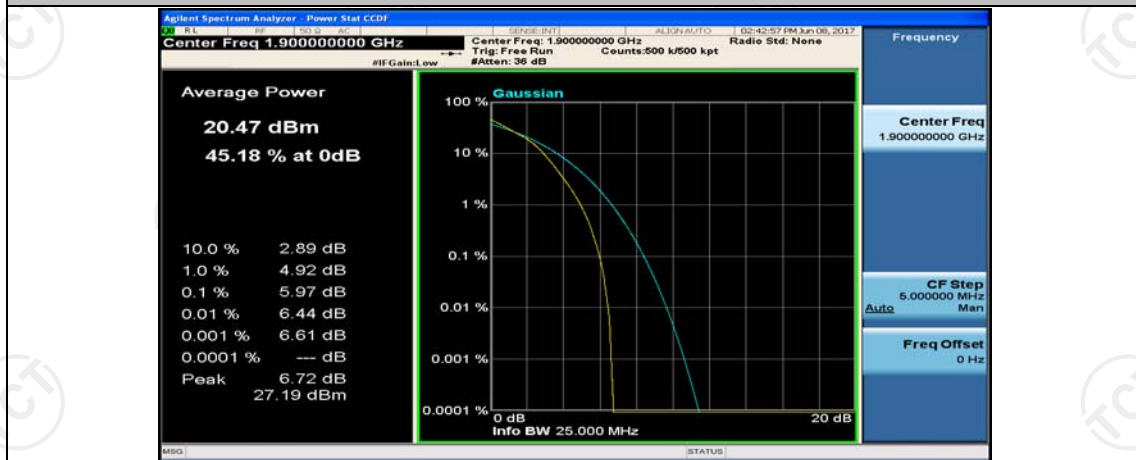
| (Channel Bandwidth:20 MHz)_HCH_16QAM_50RB#50 |

| (Channel Bandwidth:20 MHz)_HCH_16QAM_100RB#0 |
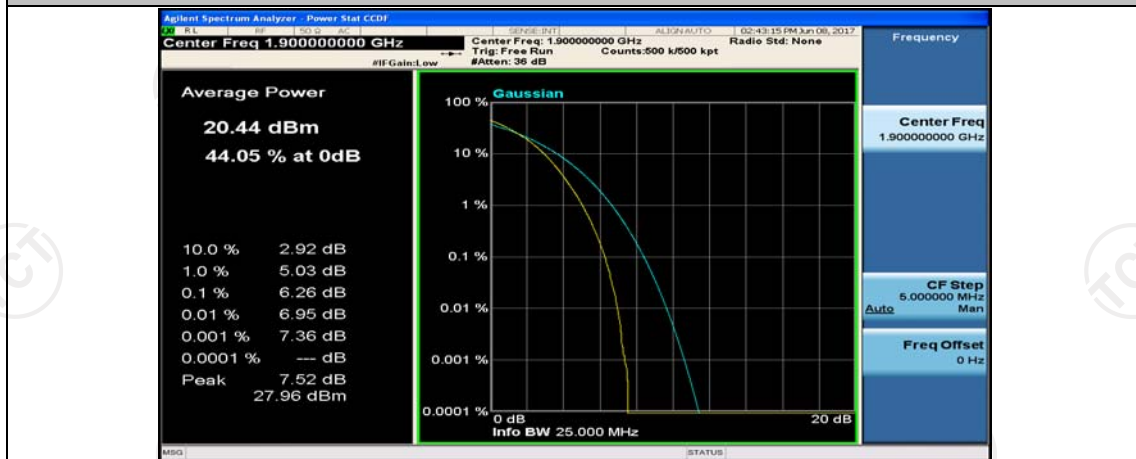
Appendix C: 26dB Bandwidth and Occupied Bandwidth

Test Graphs

Channel Bandwidth: 1.4 MHz

(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_1RB#0

(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_1RB#3

(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_1RB#5
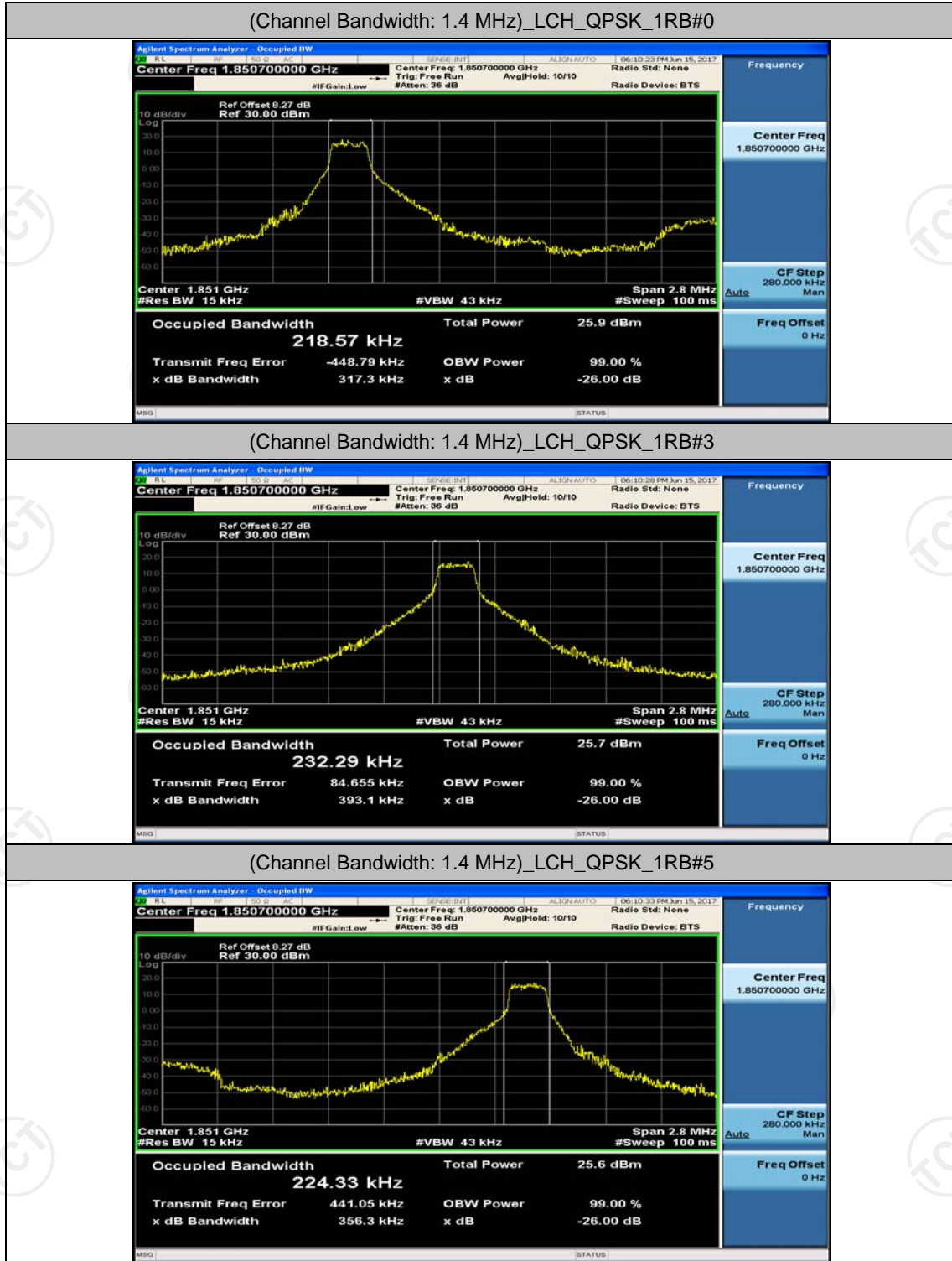
(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_3RB#0

(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_3RB#2

(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_3RB#3

(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_6RB#0

(Channel Bandwidth: 1.4 MHz)_MCH_QPSK_1RB#0

(Channel Bandwidth: 1.4 MHz)_MCH_QPSK_1RB#3

(Channel Bandwidth: 1.4 MHz)_MCH_QPSK_1RB#5

Agilent Spectrum Analyzer - Occupied BW

Center Freq 1.880000000 GHz
SENSE:INT
ALIGN AUTO   06:12:04 PM Jun 15, 2017

Center Freq: 1.880000000 GHz
Trig: Free Run
#IF Gain:Low
#Atten: 36 dB

Avg|Hold: 10/10

Radio Std: None
Radio Device: BTS

Frequency

Center Freq
1.880000000 GHz

Ref Offset 8.27 dB
Ref 30.00 dBm
10 dB/div
Log

Center 1.88 GHz
#Res BW 15 kHz
#VBW 43 kHz
Span 2.8 MHz
#Sweep 100 ms

CF Step
280.000 kHz   Man
Auto

Freq Offset
0 Hz

Occupied Bandwidth		Total Power	26.6 dBm
221.65 kHz			
Transmit Freq Error	441.75 kHz	OBW Power	99.00 %
x dB Bandwidth	355.9 kHz	x dB	-26.00 dB

MSG   STATUS

(Channel Bandwidth: 1.4 MHz)_MCH_QPSK_3RB#0

Agilent Spectrum Analyzer - Occupied BW

Center Freq 1.880000000 GHz
SENSE:INT
ALIGN AUTO   06:12:31 PM Jun 15, 2017

Center Freq: 1.880000000 GHz
Trig: Free Run
#IF Gain:Low
#Atten: 36 dB

Avg|Hold: 10/10

Radio Std: None
Radio Device: BTS

Frequency

Center Freq
1.880000000 GHz

Ref Offset 8.27 dB
Ref 30.00 dBm
10 dB/div
Log

Center 1.88 GHz
#Res BW 15 kHz
#VBW 43 kHz
Span 2.8 MHz
#Sweep 100 ms

CF Step
280.000 kHz   Man
Auto

Freq Offset
0 Hz

Occupied Bandwidth		Total Power	26.9 dBm
549.65 kHz			
Transmit Freq Error	-274.18 kHz	OBW Power	99.00 %
x dB Bandwidth	706.3 kHz	x dB	-26.00 dB

MSG   STATUS

(Channel Bandwidth: 1.4 MHz)_MCH_QPSK_3RB#2

Agilent Spectrum Analyzer - Occupied BW

Center Freq 1.880000000 GHz
SENSE:INT
ALIGN AUTO   06:12:36 PM Jun 15, 2017

Center Freq: 1.880000000 GHz
Trig: Free Run
#IF Gain:Low
#Atten: 36 dB

Avg|Hold: 10/10

Radio Std: None
Radio Device: BTS

Frequency

Center Freq
1.880000000 GHz

Ref Offset 8.27 dB
Ref 30.00 dBm
10 dB/div
Log

Center 1.88 GHz
#Res BW 15 kHz
#VBW 43 kHz
Span 2.8 MHz
#Sweep 100 ms

CF Step
280.000 kHz   Man
Auto

Freq Offset
0 Hz

Occupied Bandwidth		Total Power	26.8 dBm
552.83 kHz			
Transmit Freq Error	88.150 kHz	OBW Power	99.00 %
x dB Bandwidth	770.4 kHz	x dB	-26.00 dB

MSG   STATUS

(Channel Bandwidth: 1.4 MHz)_MCH_QPSK_3RB#3

(Channel Bandwidth: 1.4 MHz)_MCH_QPSK_6RB#0

(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_1RB#0

(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_1RB#3

(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_1RB#5

(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_3RB#0

(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_3RB#2

(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_3RB#3
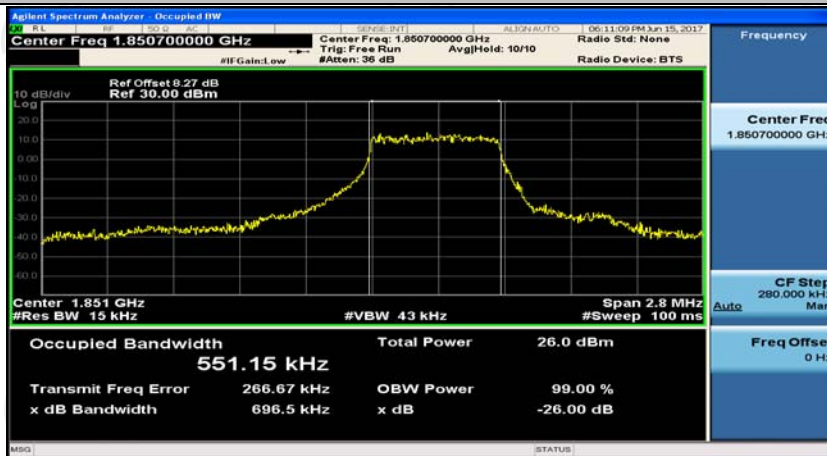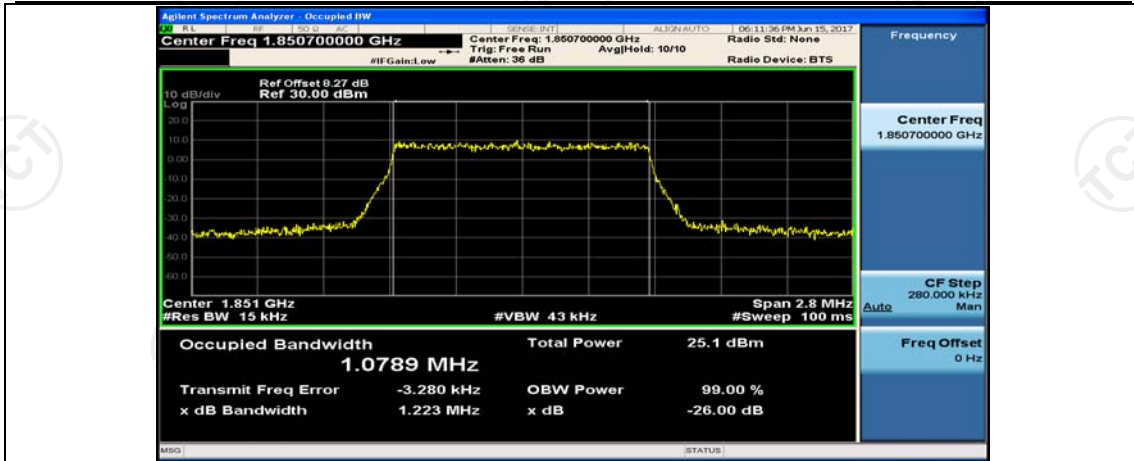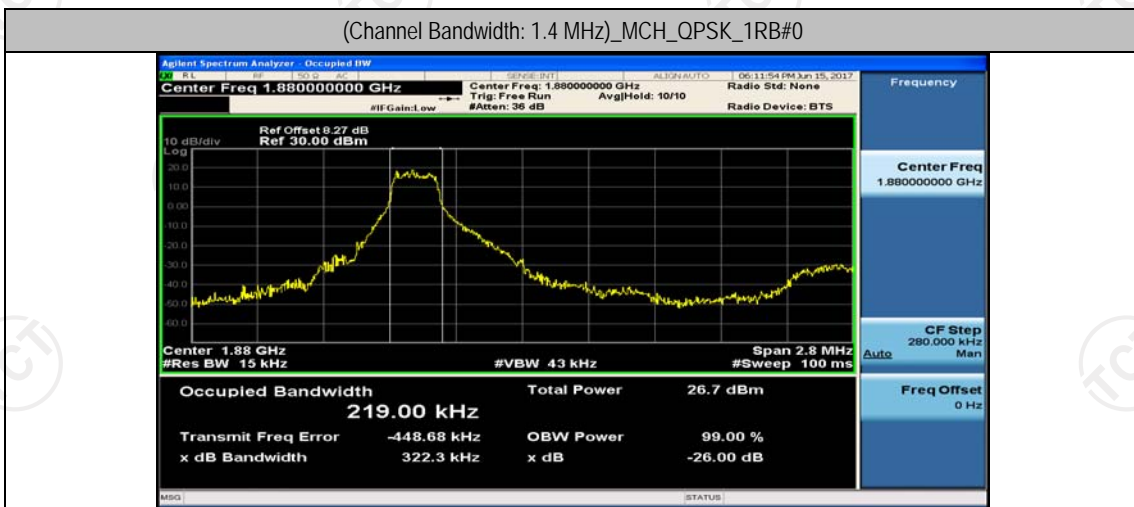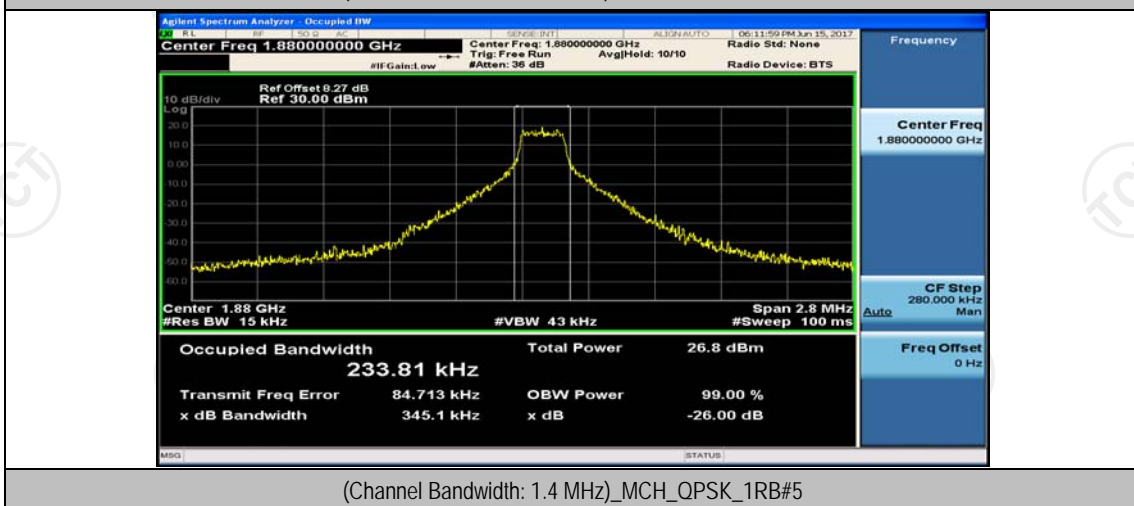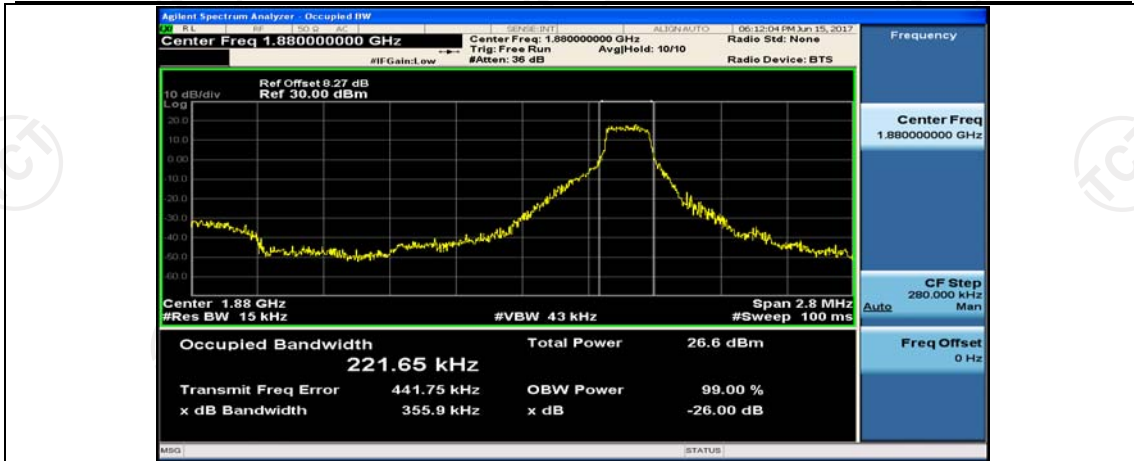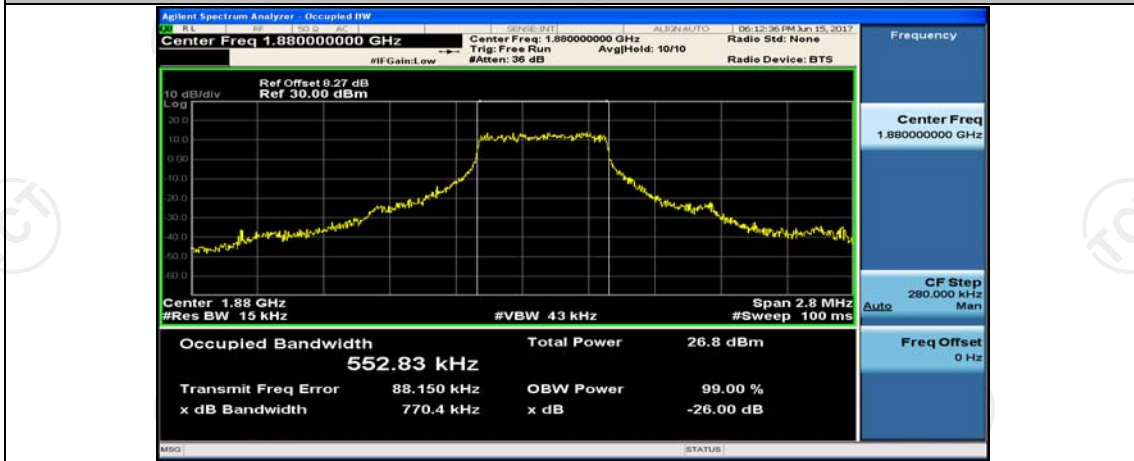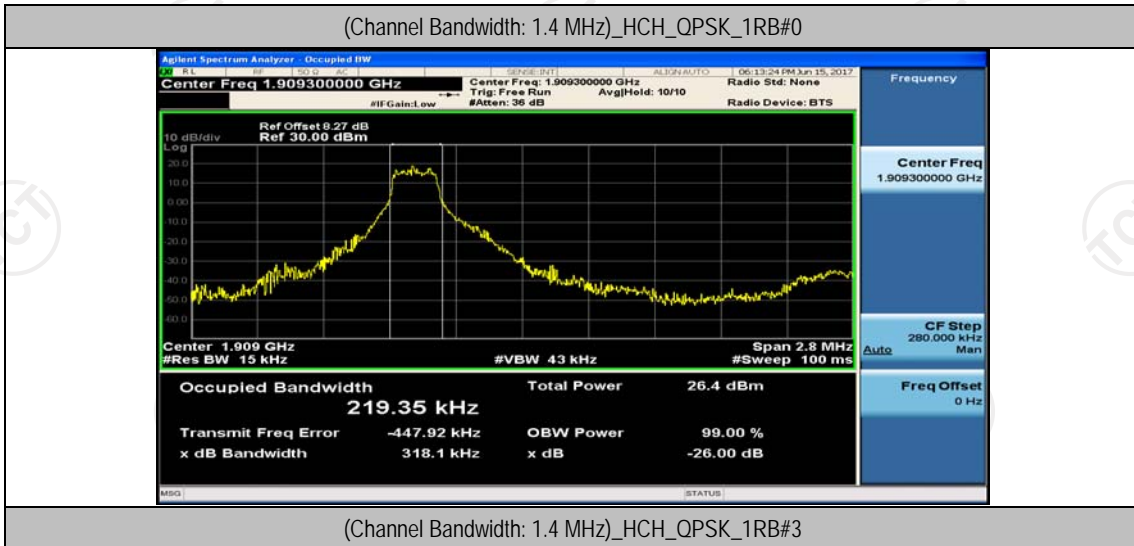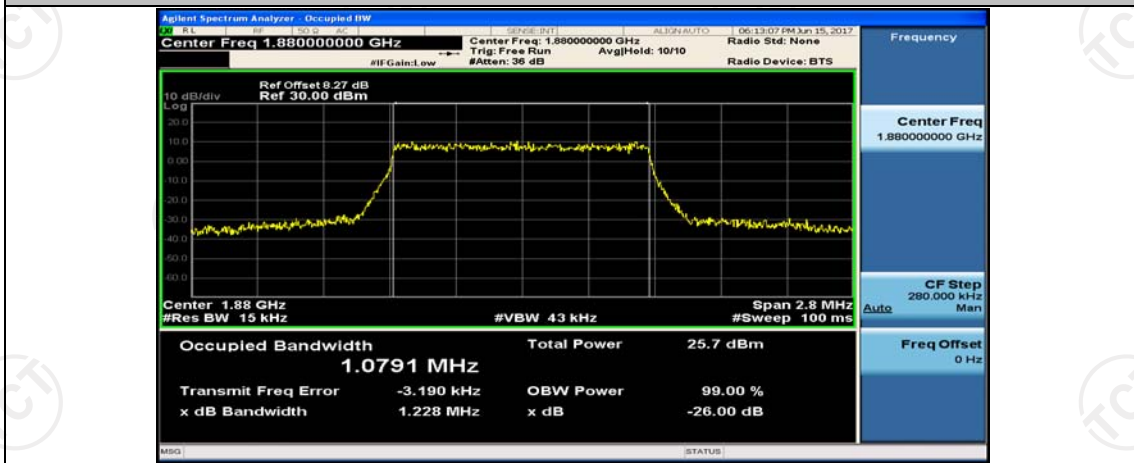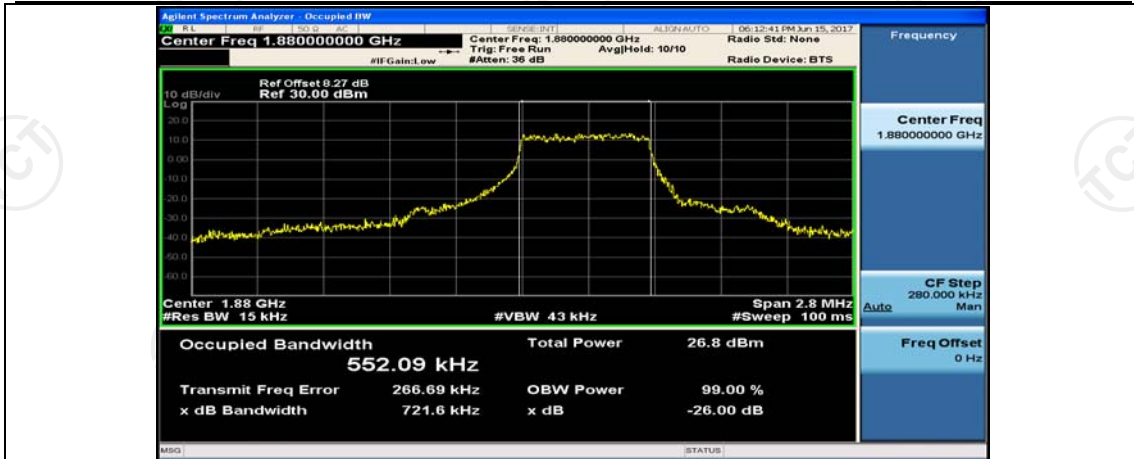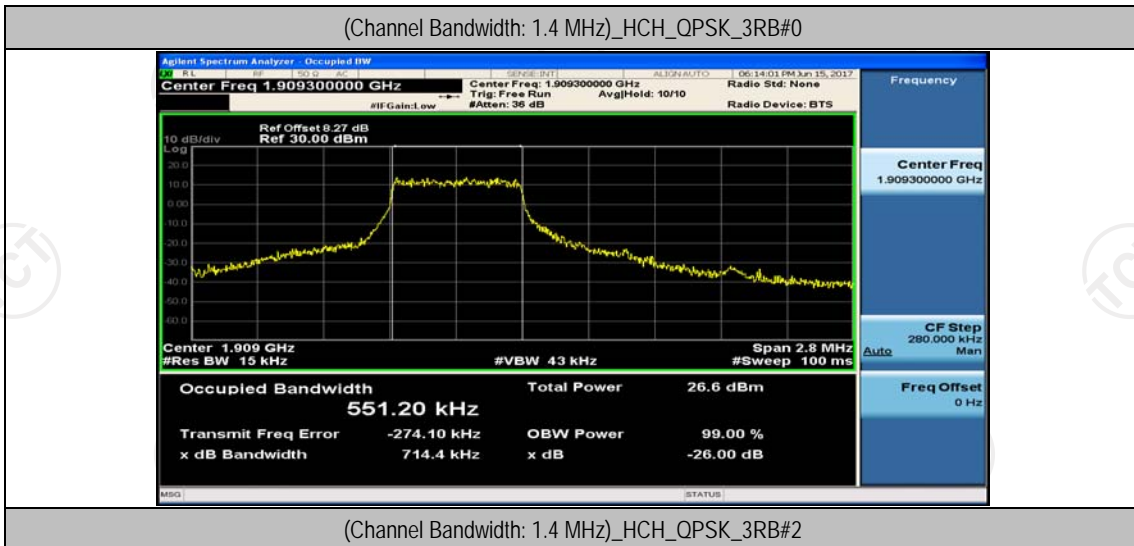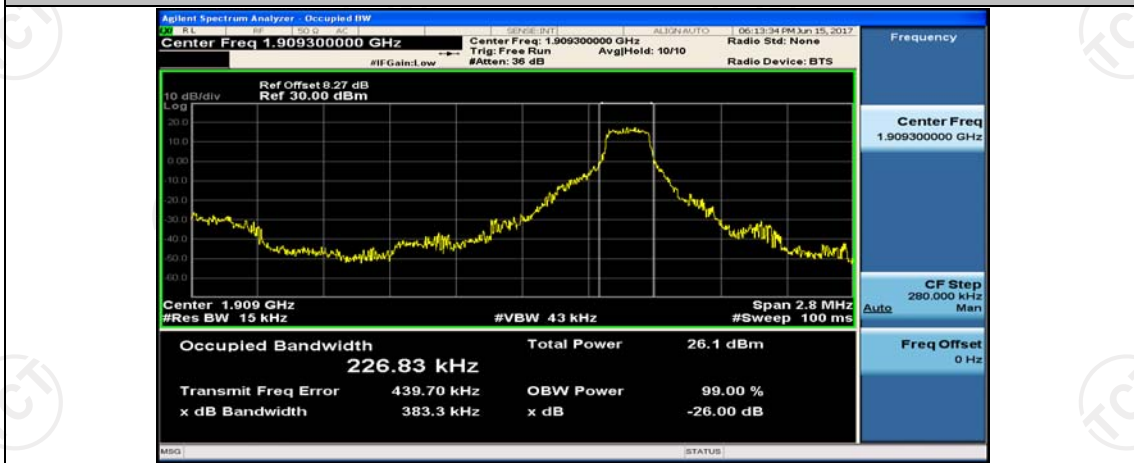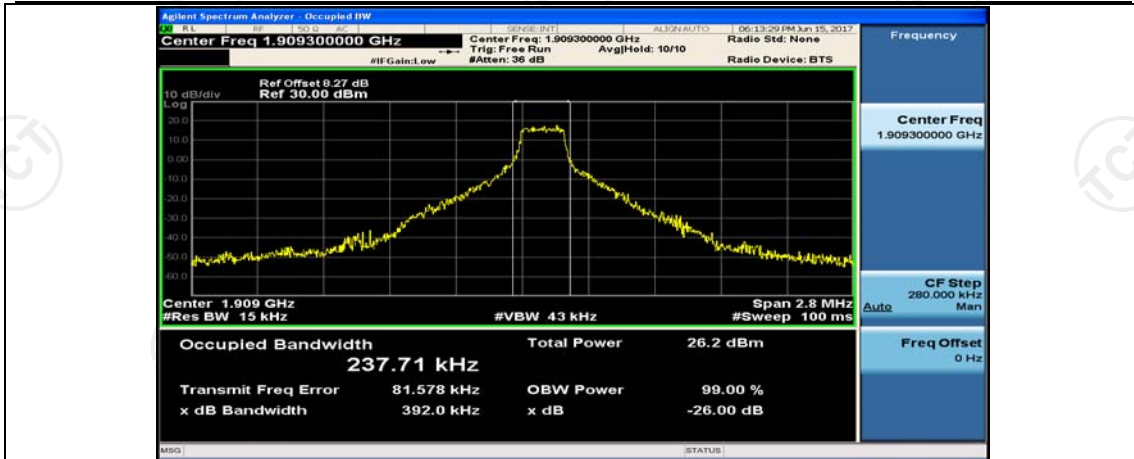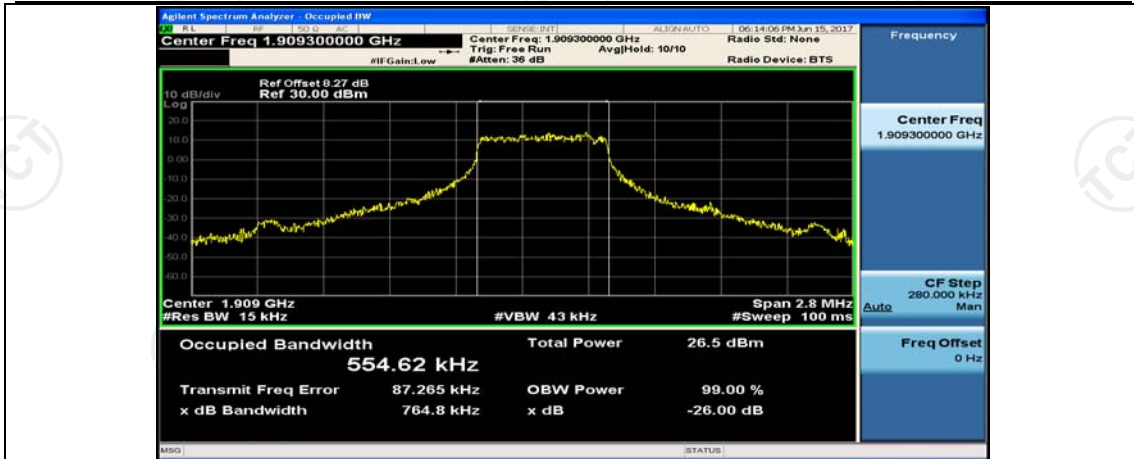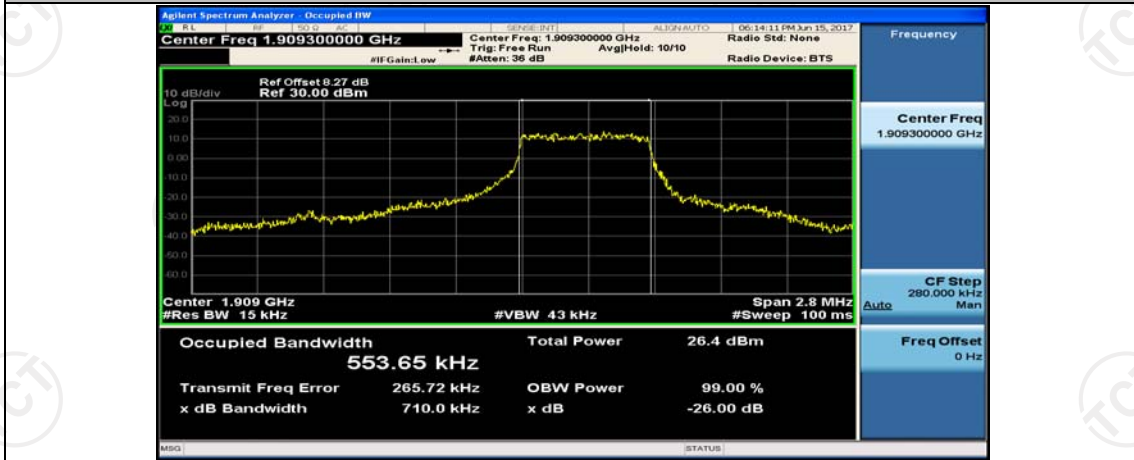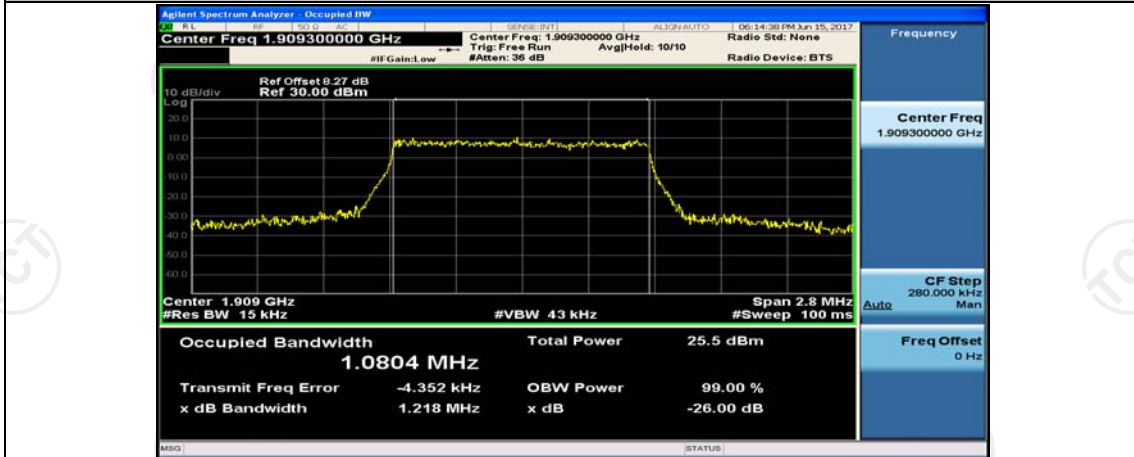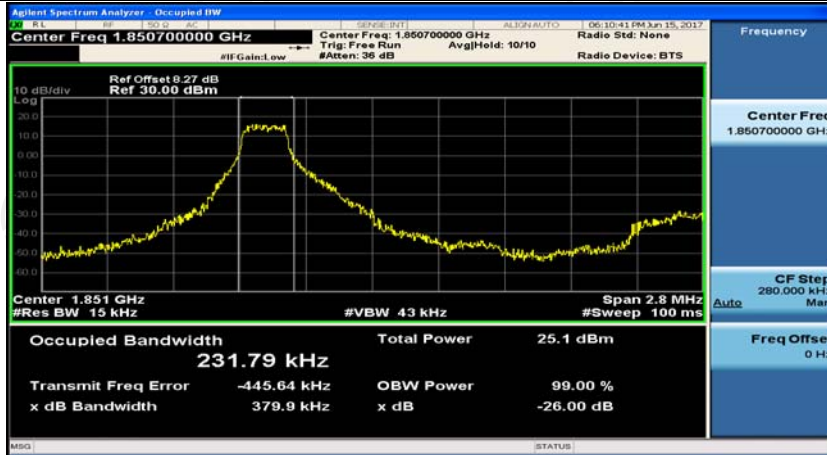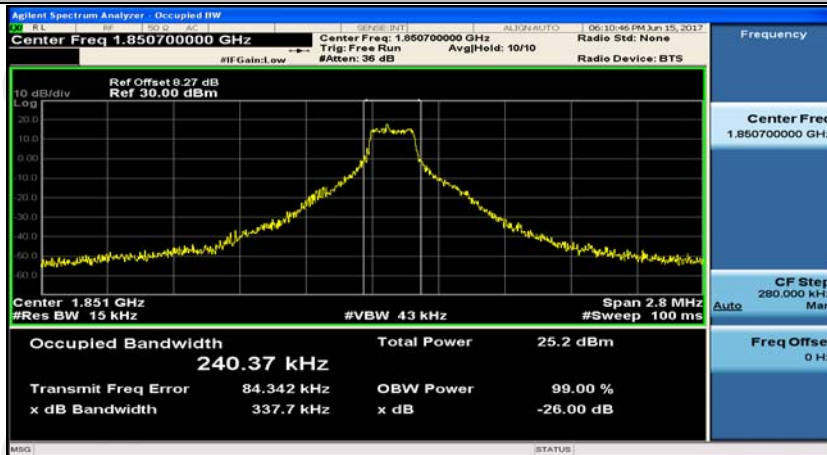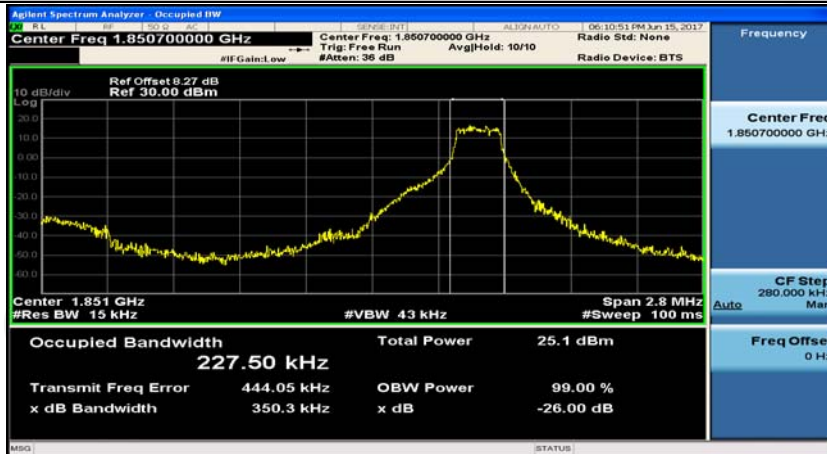

(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_6RB#0

(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_1RB#0

(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_1RB#3

(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_1RB#5

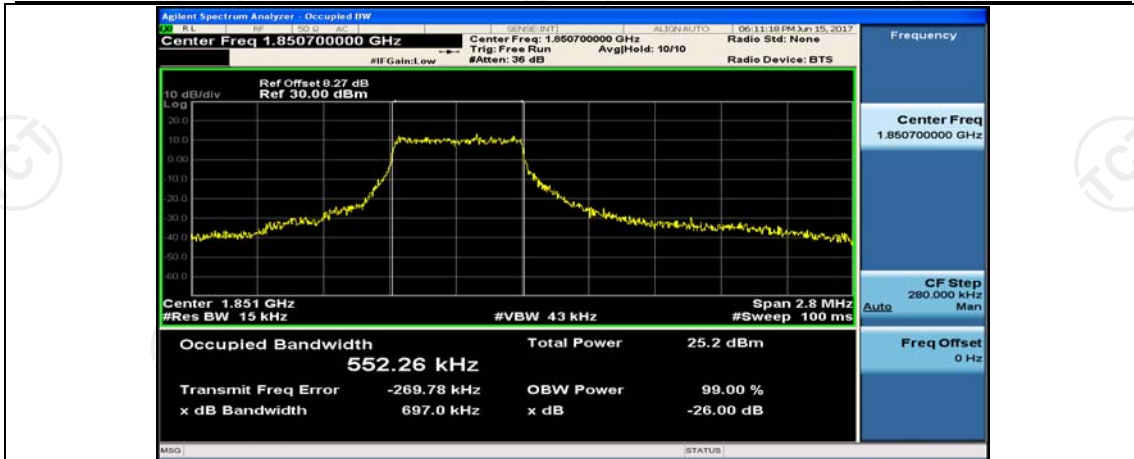| (Channel Bandwidth: 1.4 MHz)_LCH_16QAM_3RB#0 |
|---|

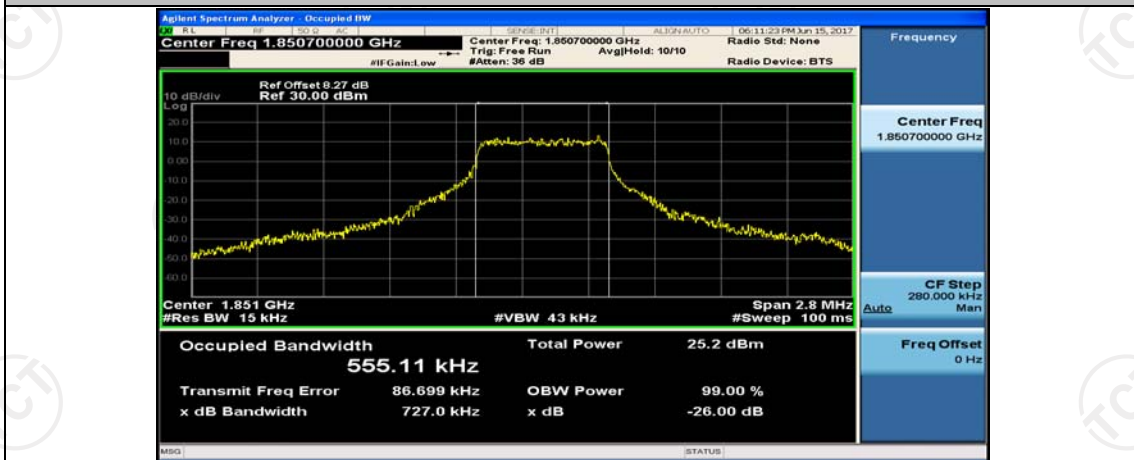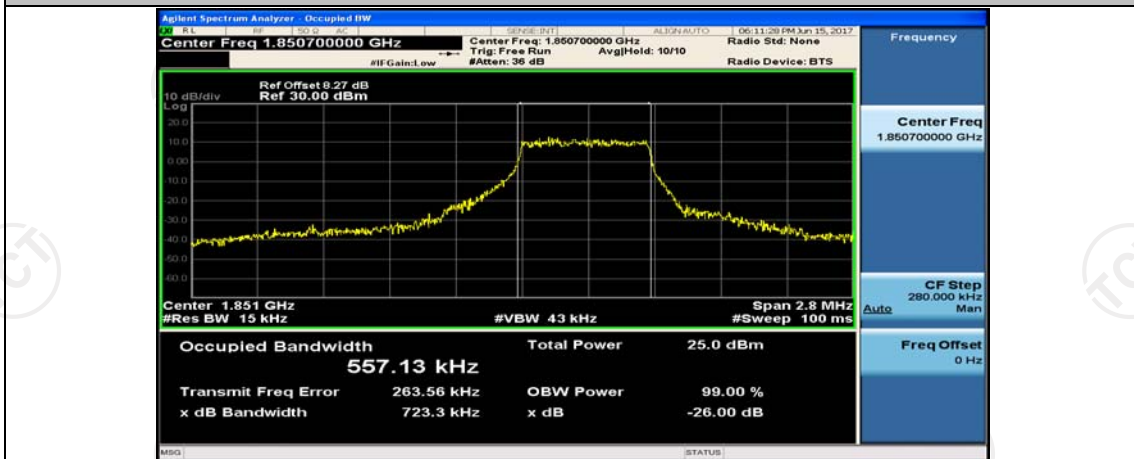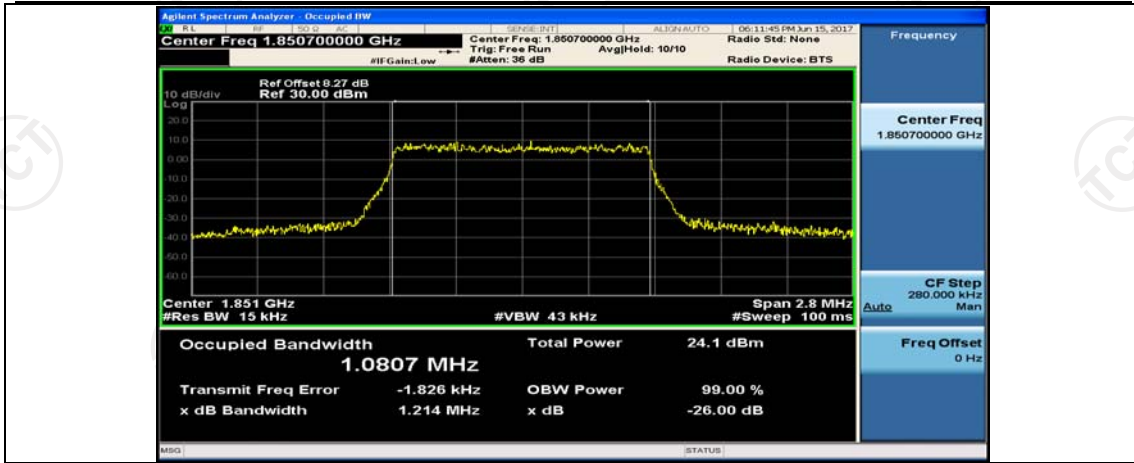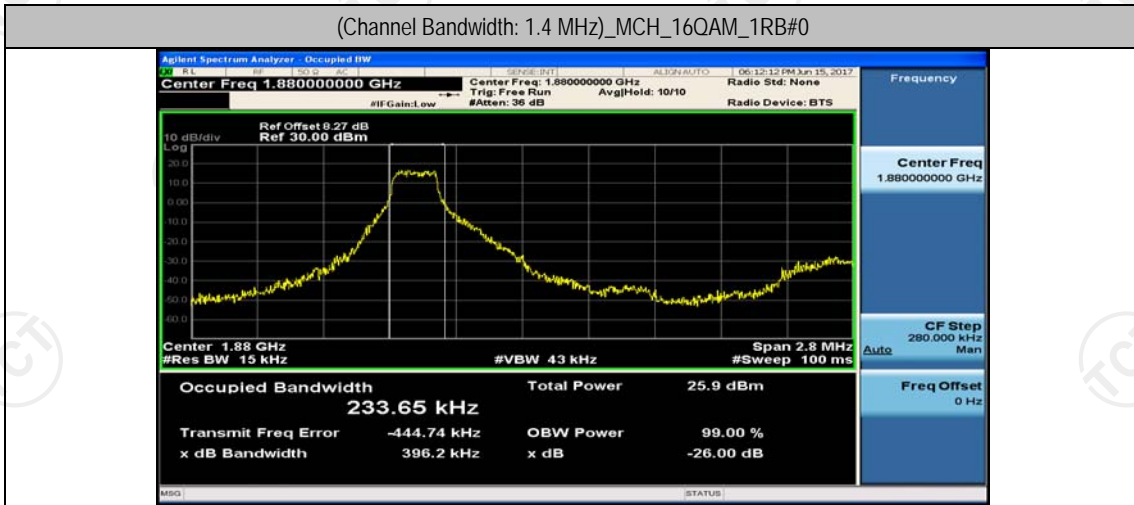(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_3RB#2

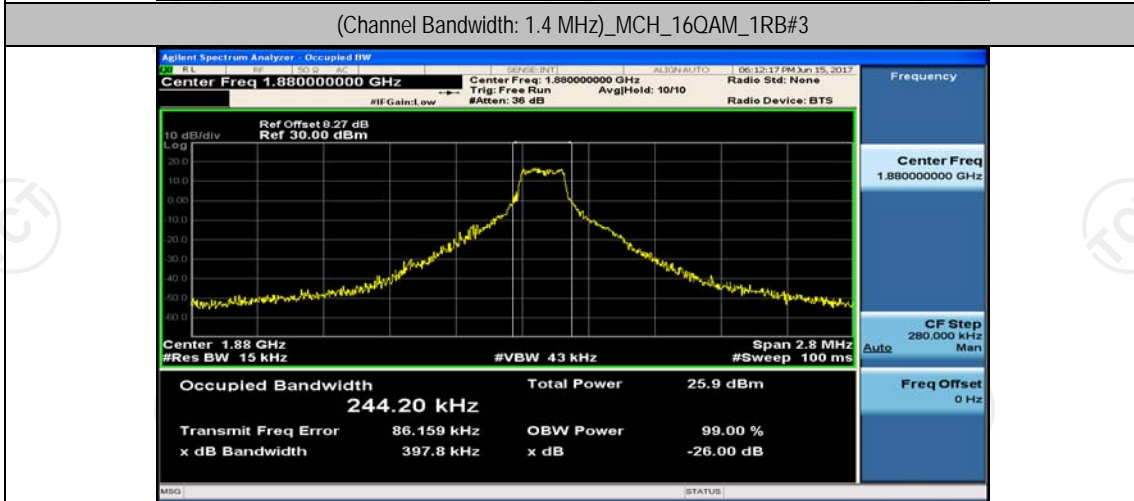(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_3RB#3

(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_6RB#0

(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_1RB#0

(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_1RB#3

(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_1RB#5