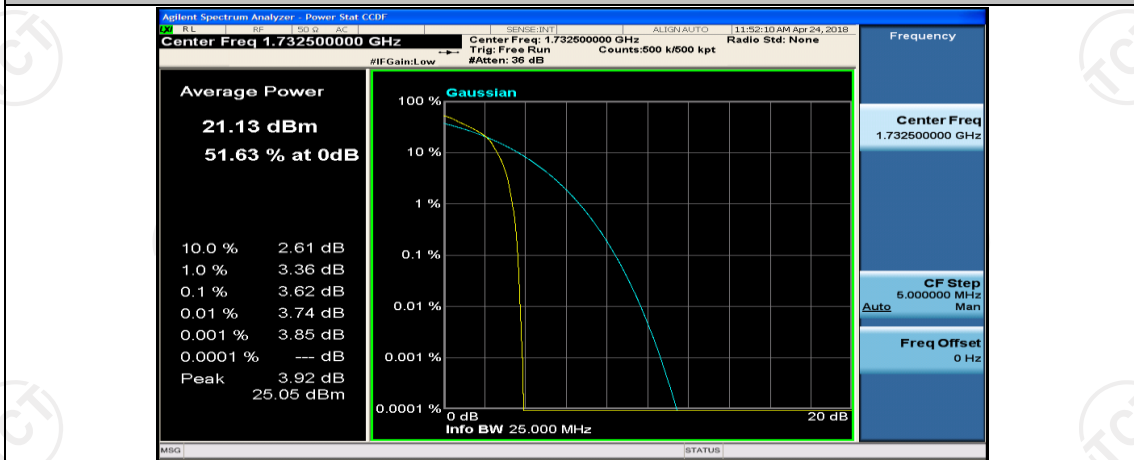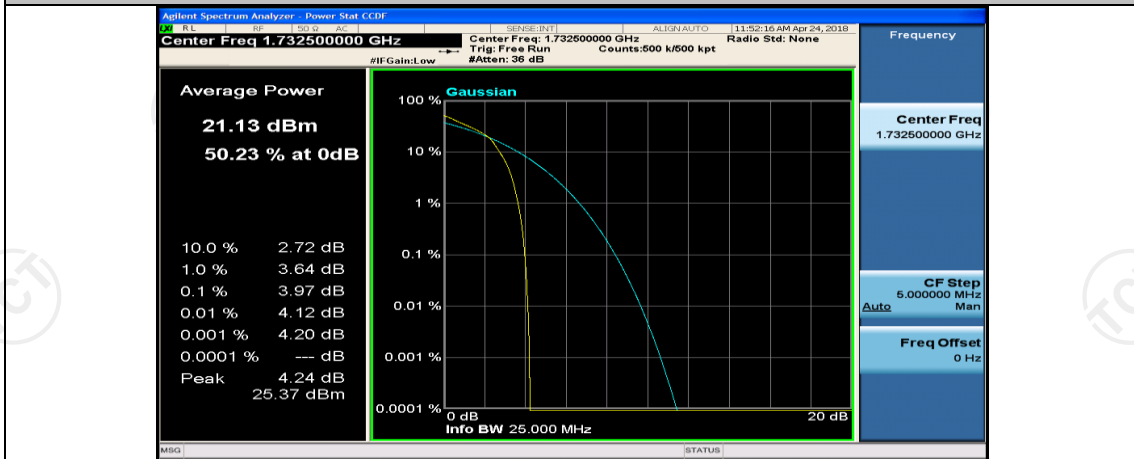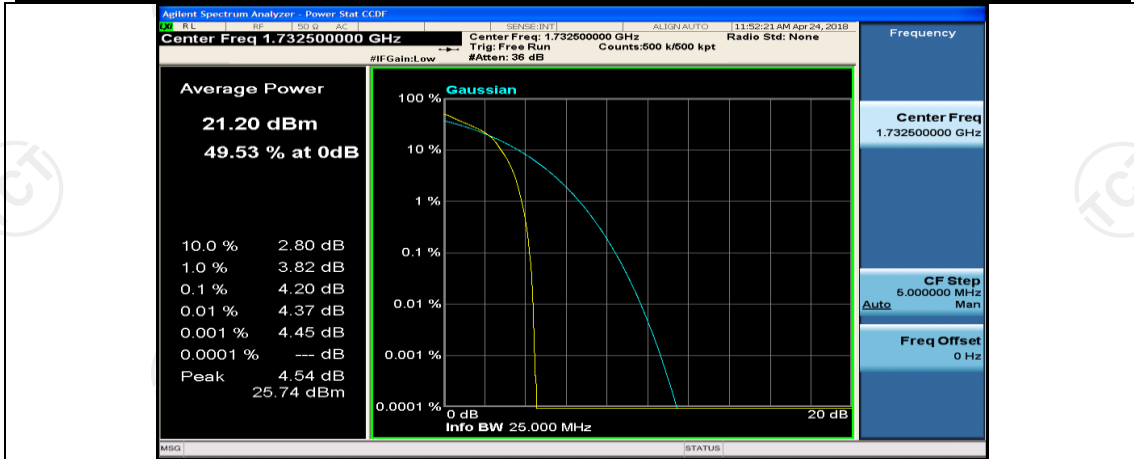(Channel Bandwidth:15 MHz)_MCH_16QAM_37RB#0

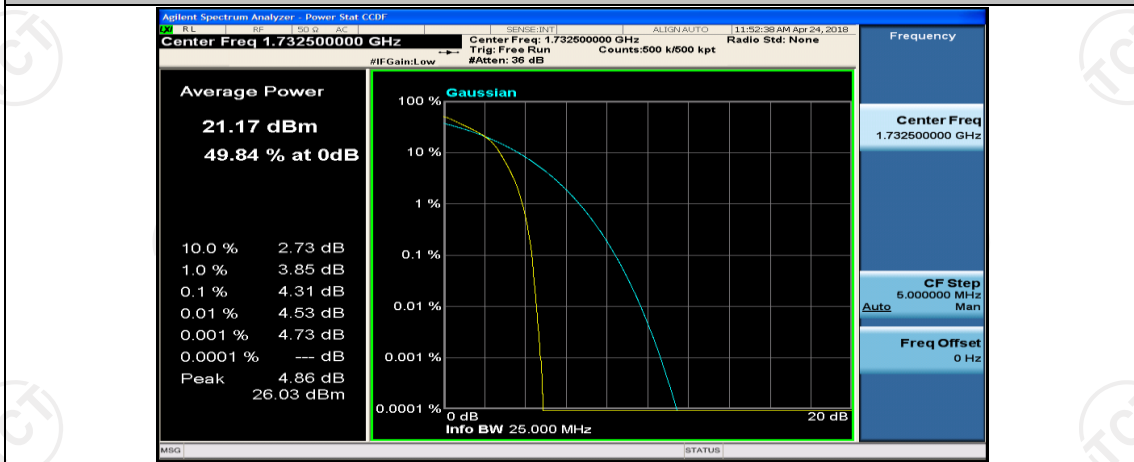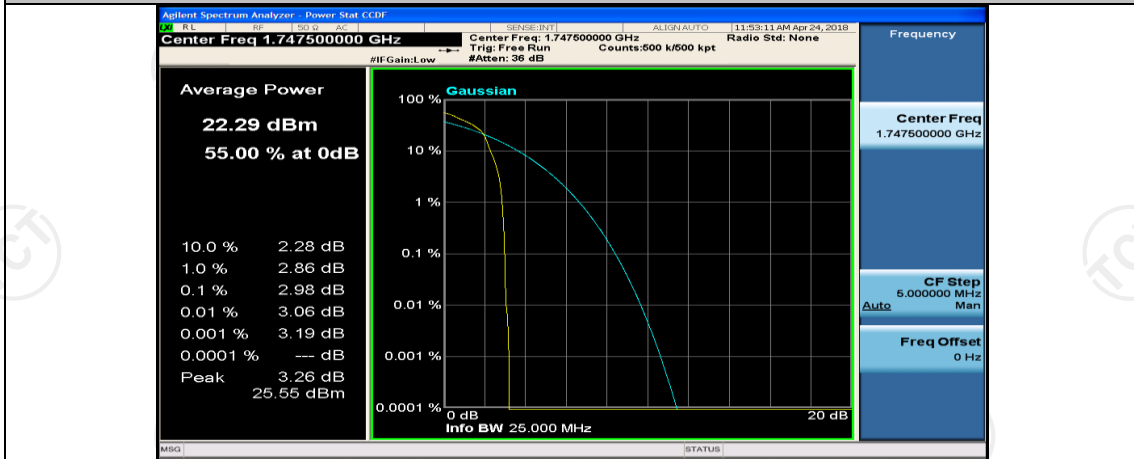(Channel Bandwidth:15 MHz)_MCH_16QAM_37RB#18
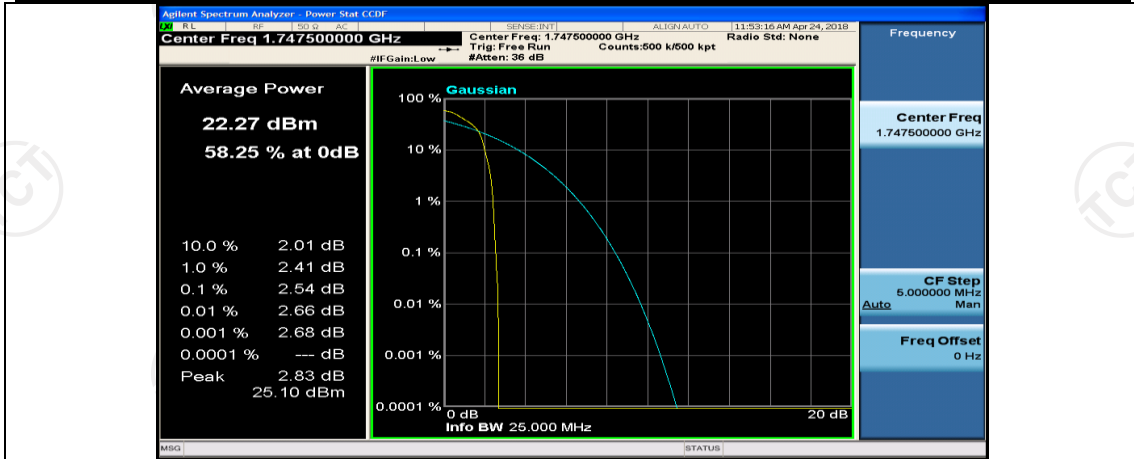

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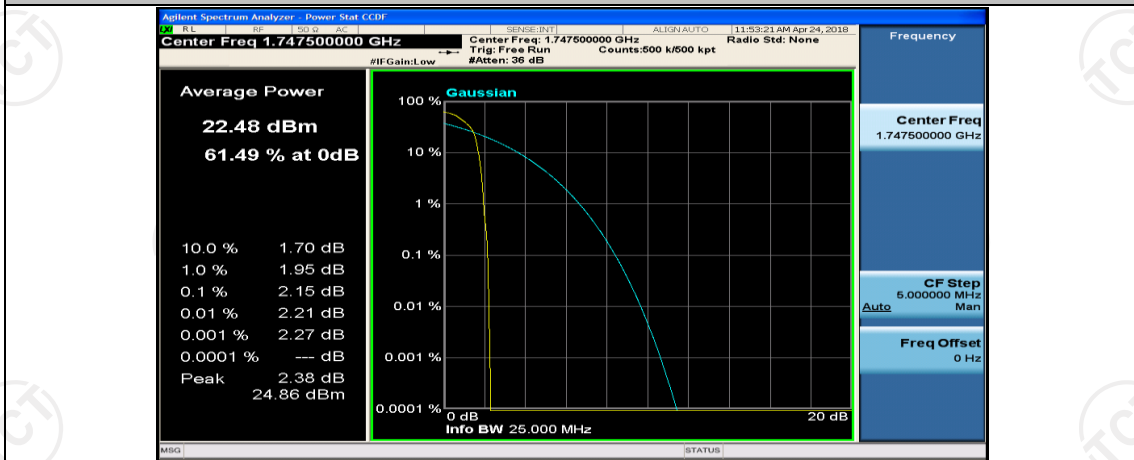
(Channel Bandwidth:15 MHz)_MCH_16QAM_75RB#0

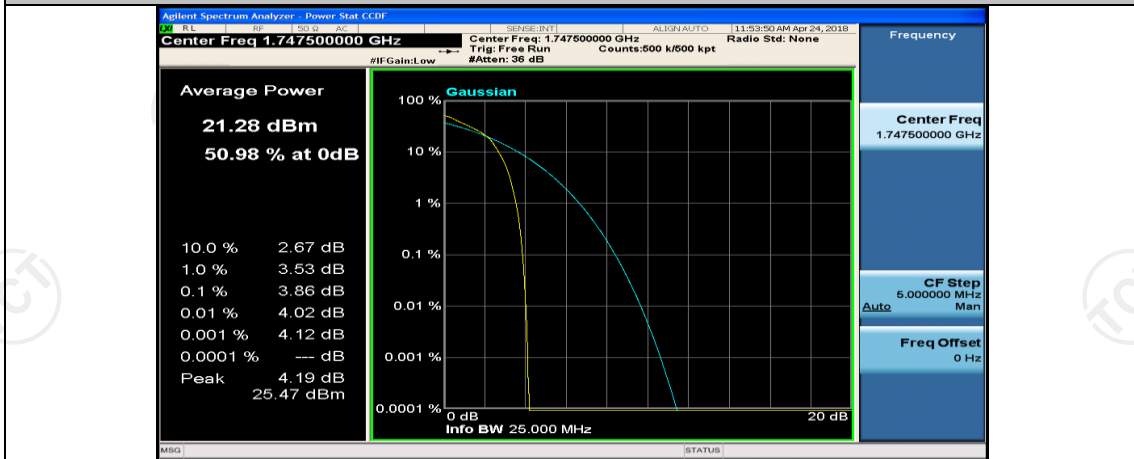(Channel Bandwidth:15 MHz)_HCH_16QAM_1RB#0

(Channel Bandwidth:15 MHz)_HCH_16QAM_1RB#37

(Channel Bandwidth:15 MHz)_HCH_16QAM_1RB#74

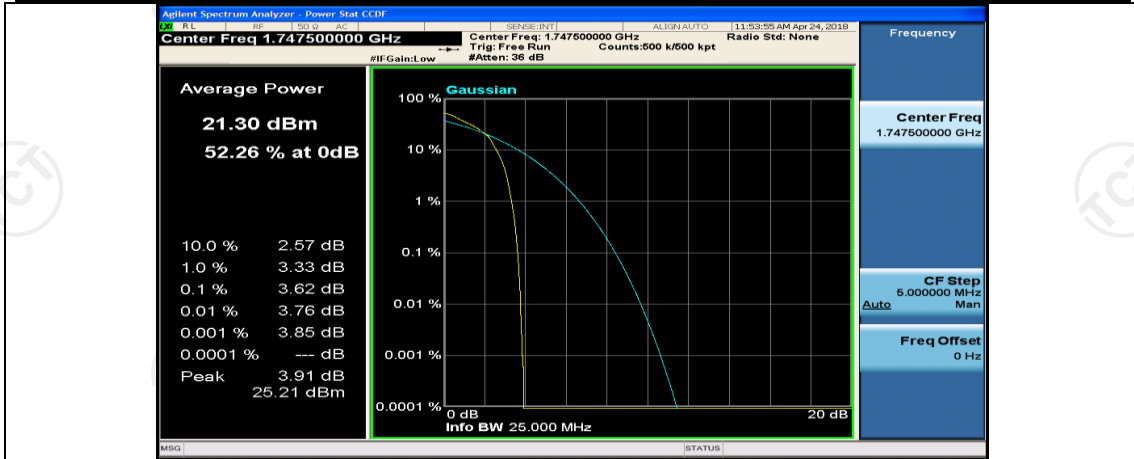
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(Channel Bandwidth:15 MHz)_HCH_16QAM_37RB#18

(Channel Bandwidth:15 MHz)_HCH_16QAM_37RB#38
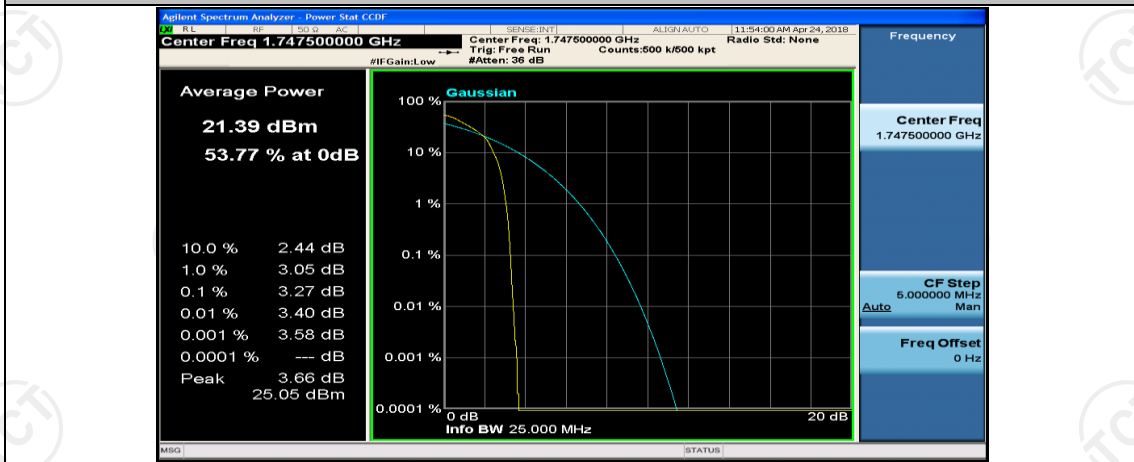
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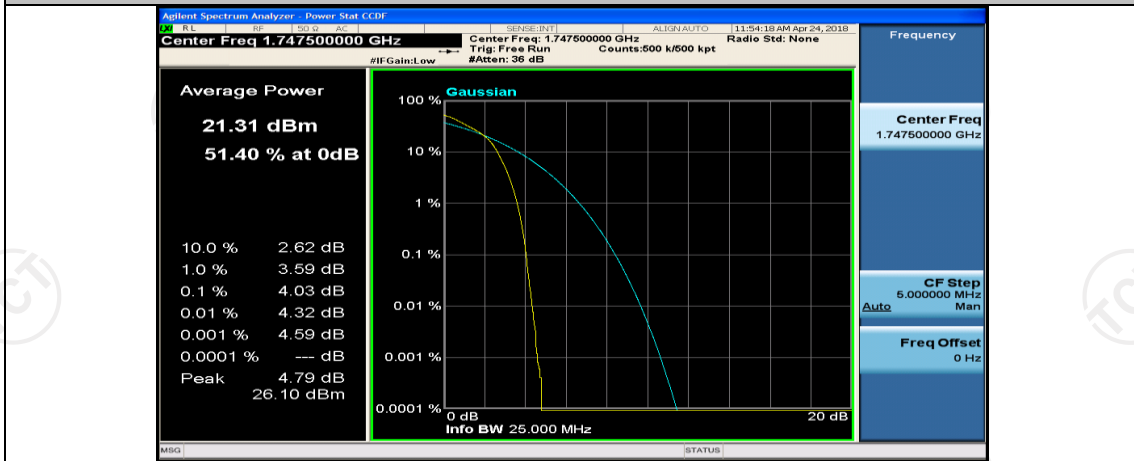
Channel Bandwidth: 20 MHz

(Channel Bandwidth:20 MHz)_LCH_QPSK_1RB#0
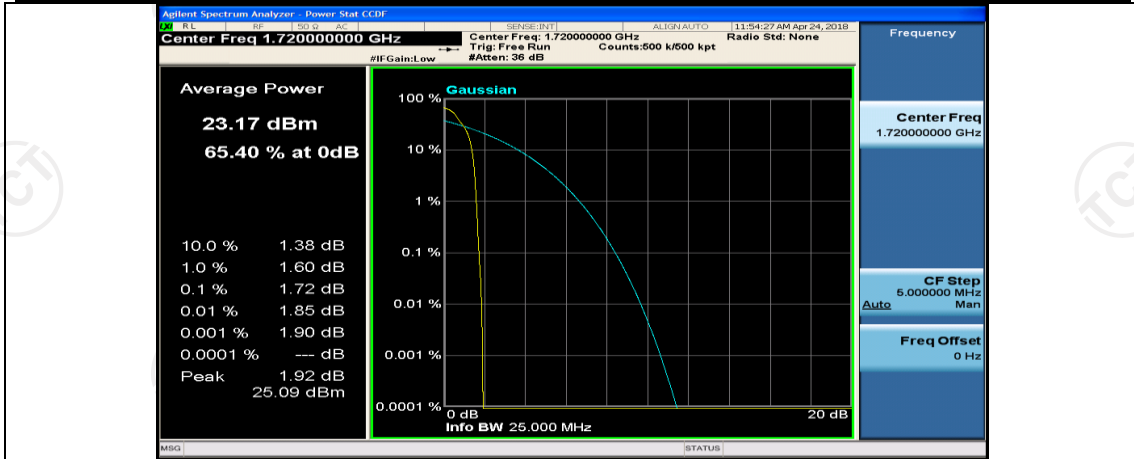
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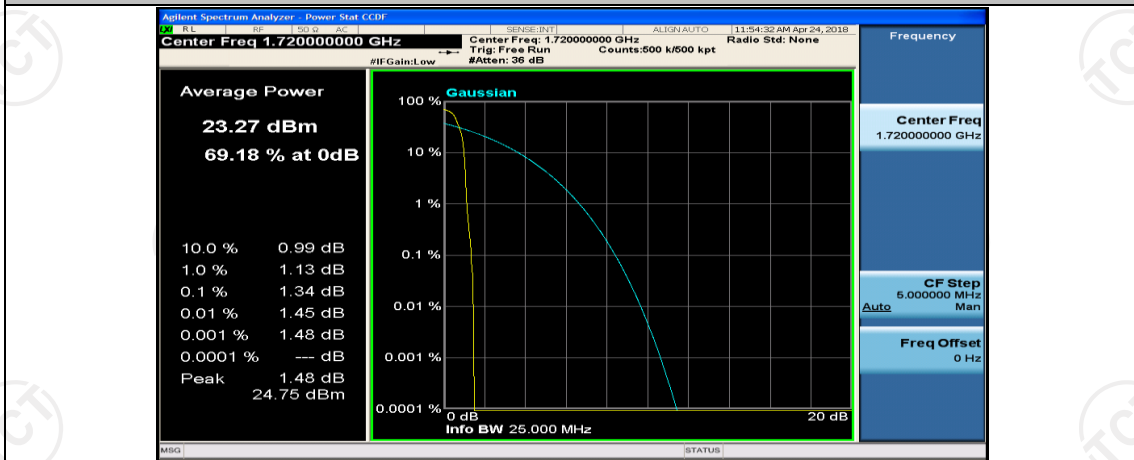
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(Channel Bandwidth:20 MHz)_LCH_QPSK_50RB#0

(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

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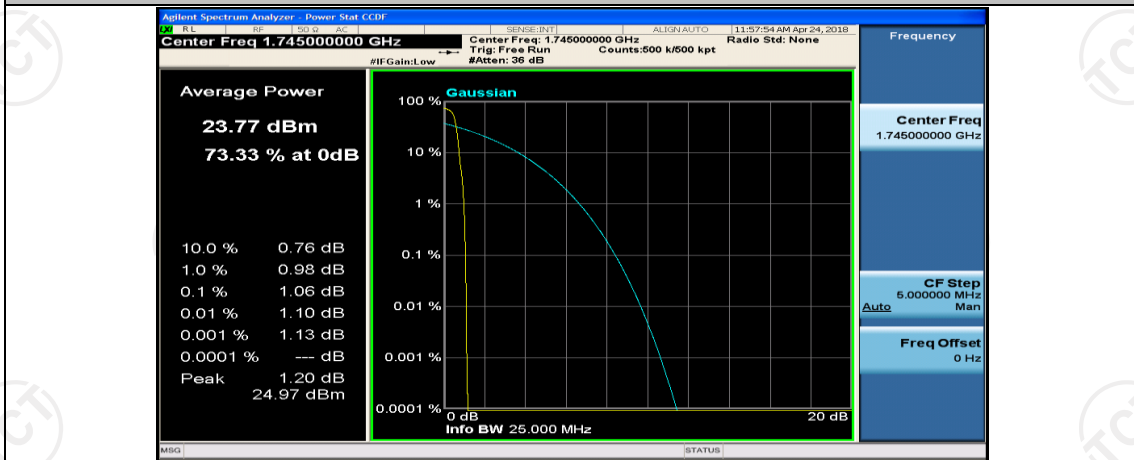
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(Channel Bandwidth:20 MHz)_HCH_QPSK_50RB#25

(Channel Bandwidth:20 MHz)_HCH_QPSK_50RB#50

(Channel Bandwidth:20 MHz)_HCH_QPSK_100RB#0

(Channel Bandwidth:20 MHz)_LCH_16QAM_1RB#0
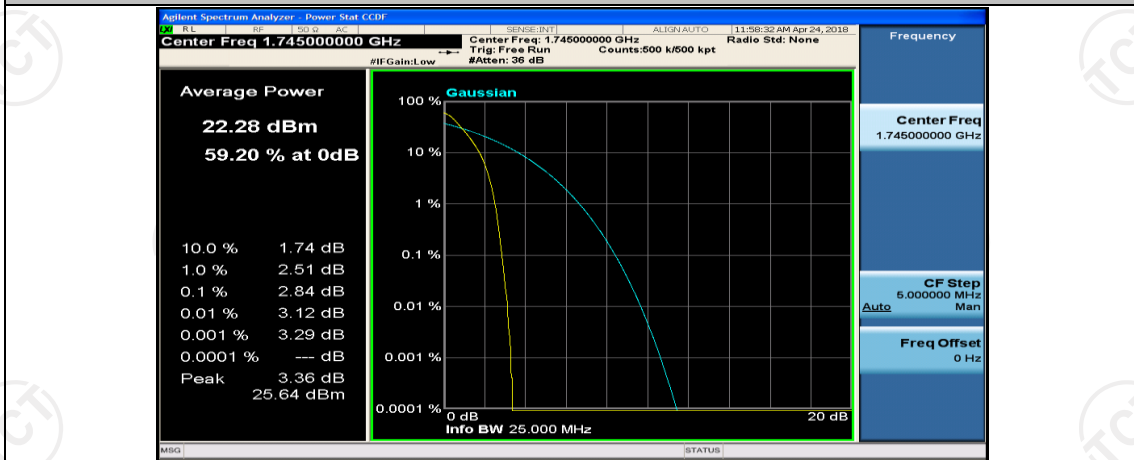
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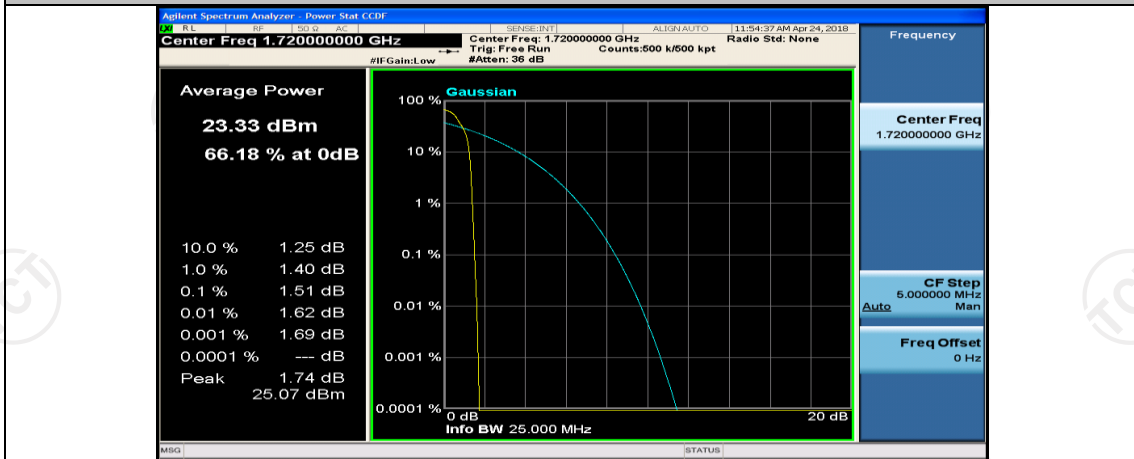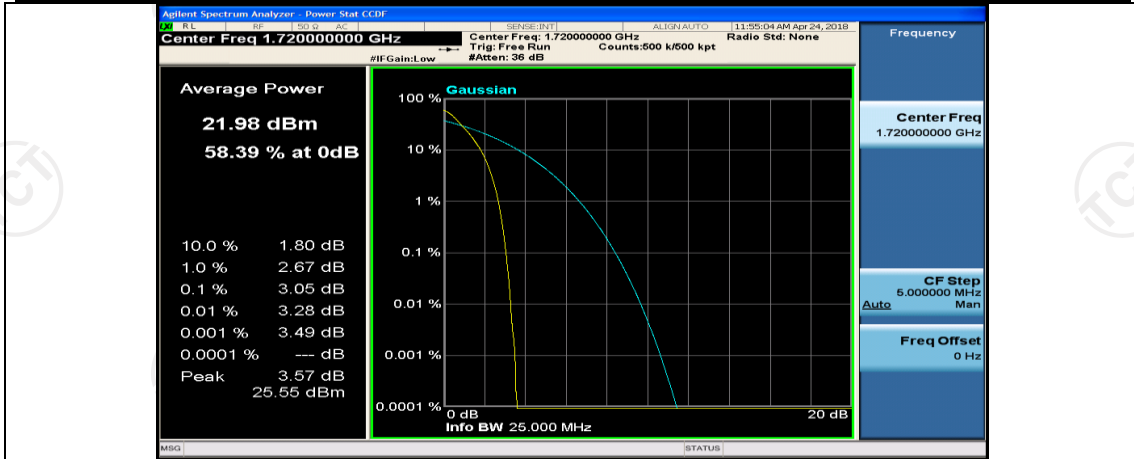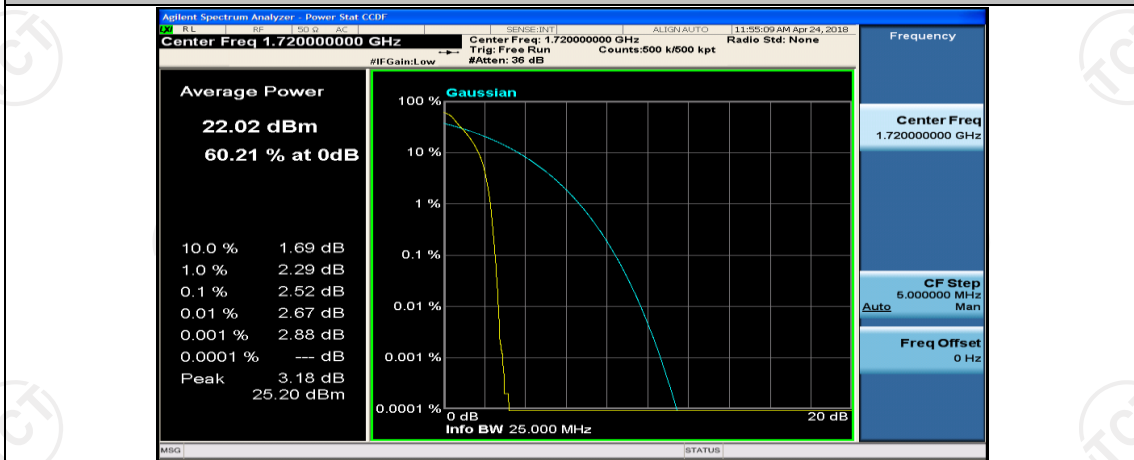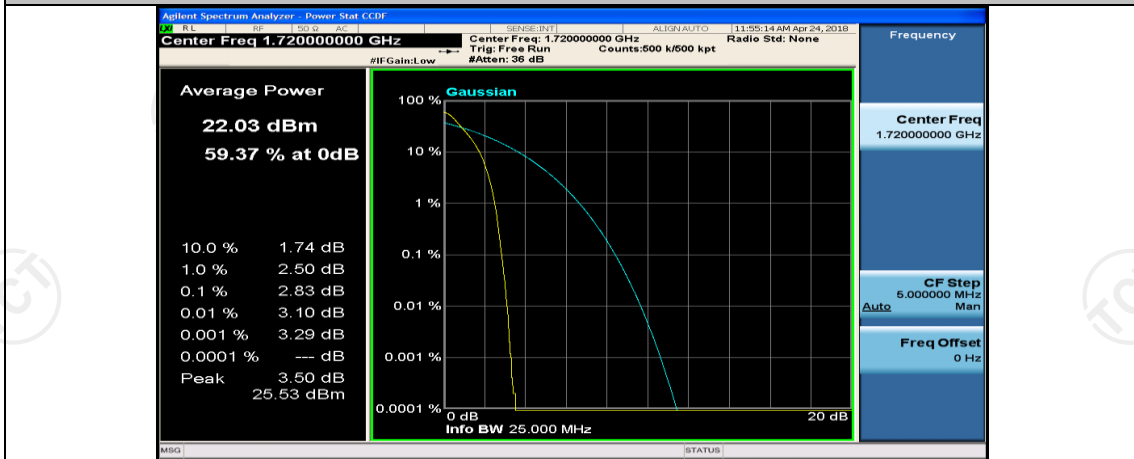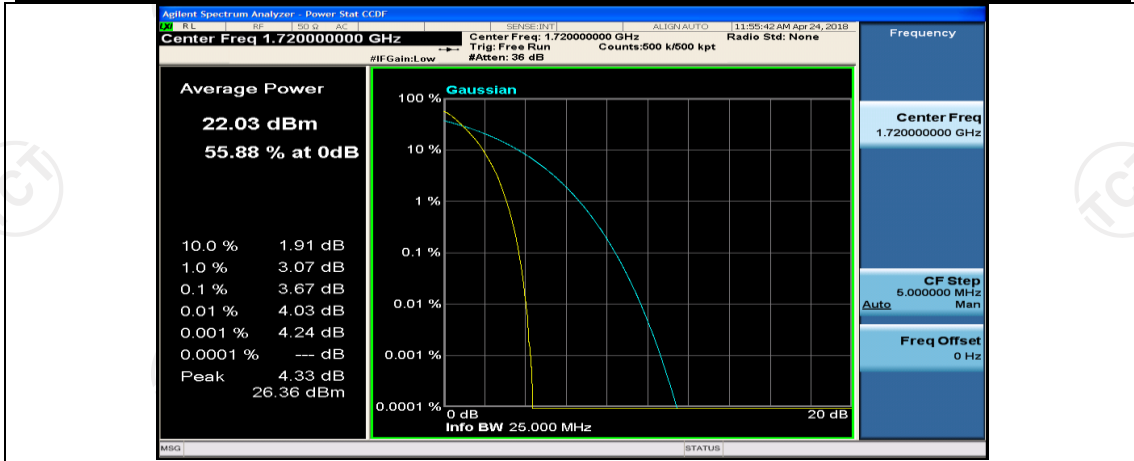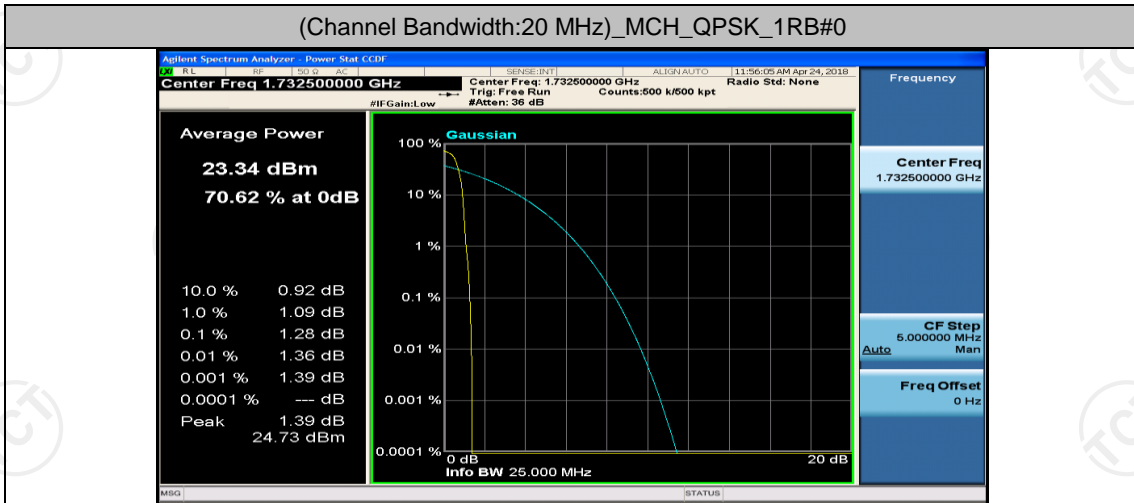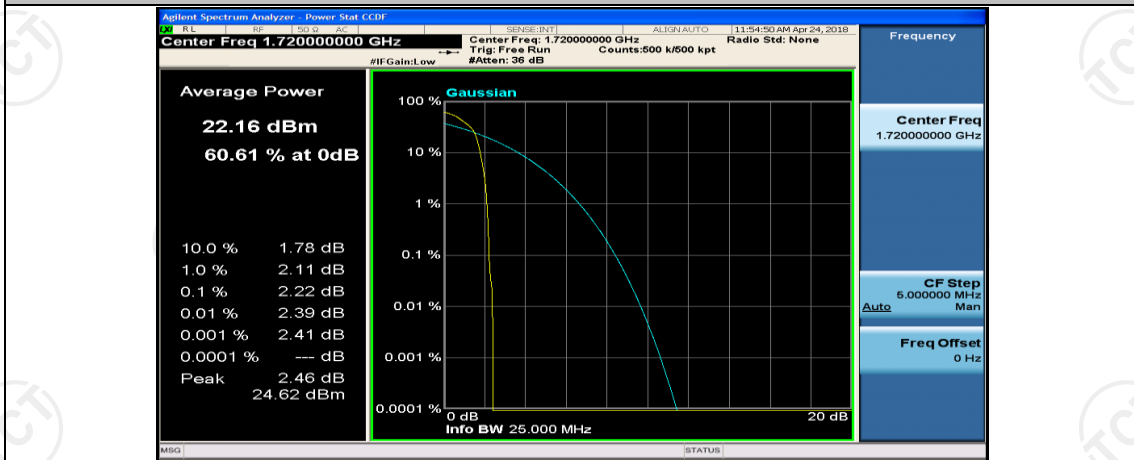

(Channel Bandwidth:20 MHz)_LCH_16QAM_1RB#99

(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
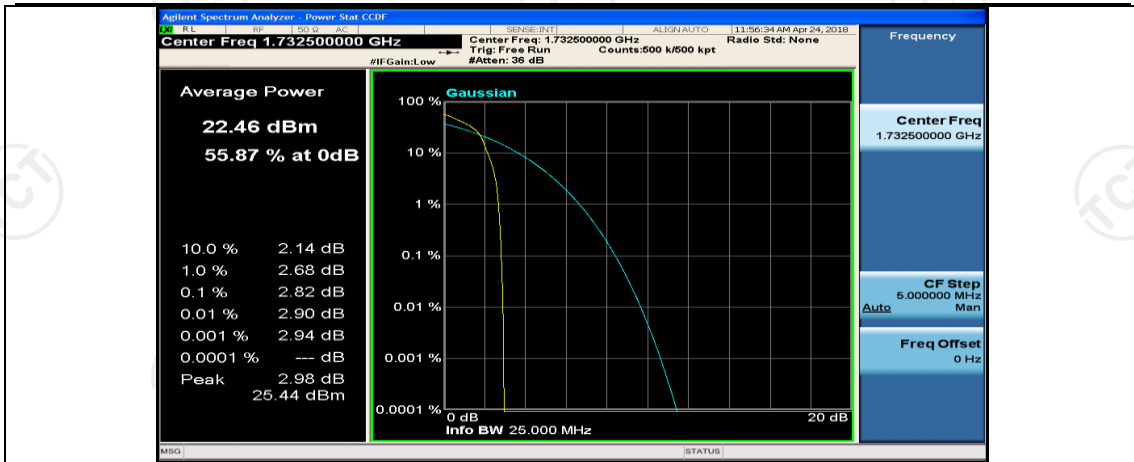
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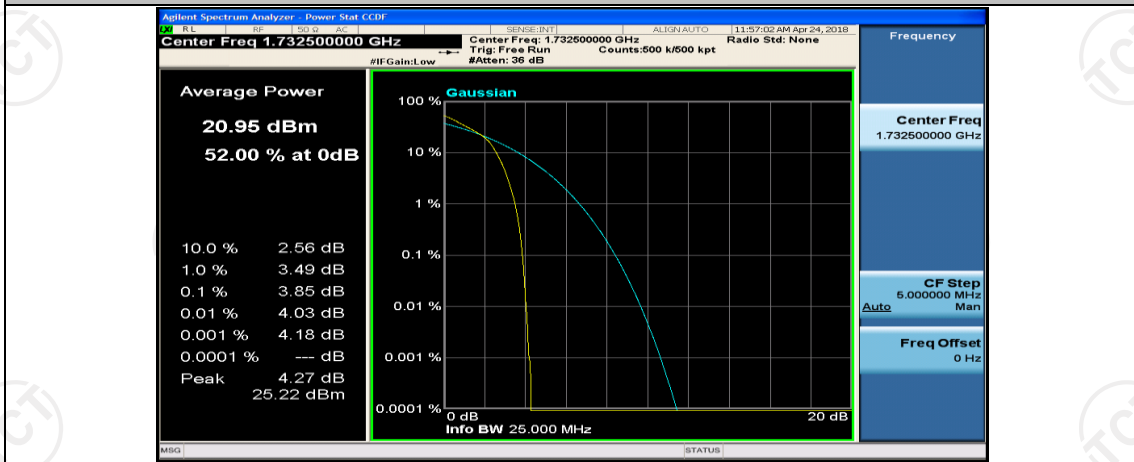
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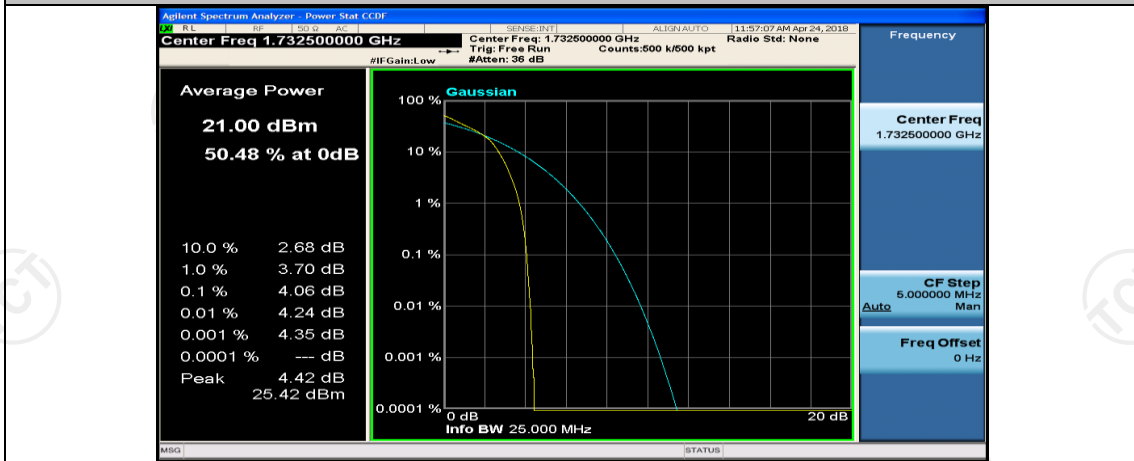
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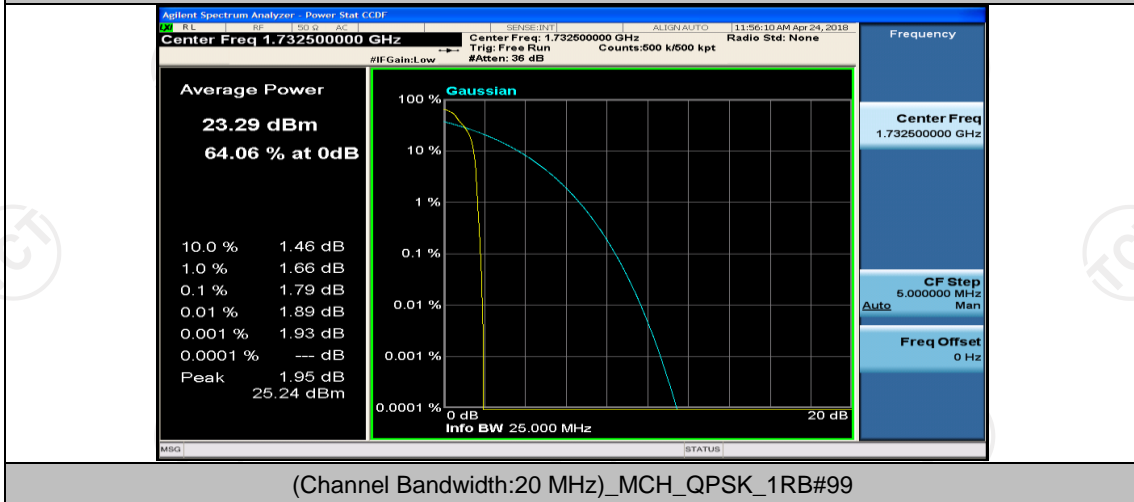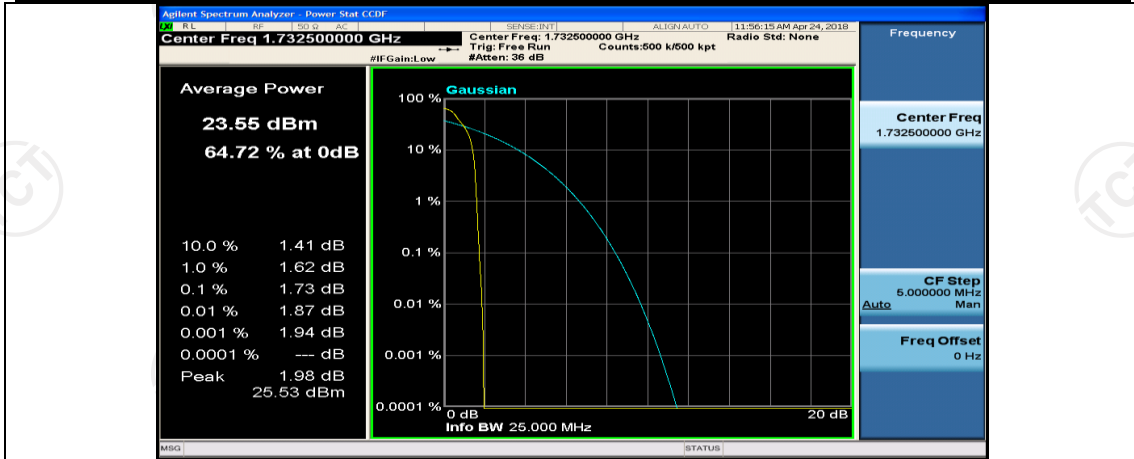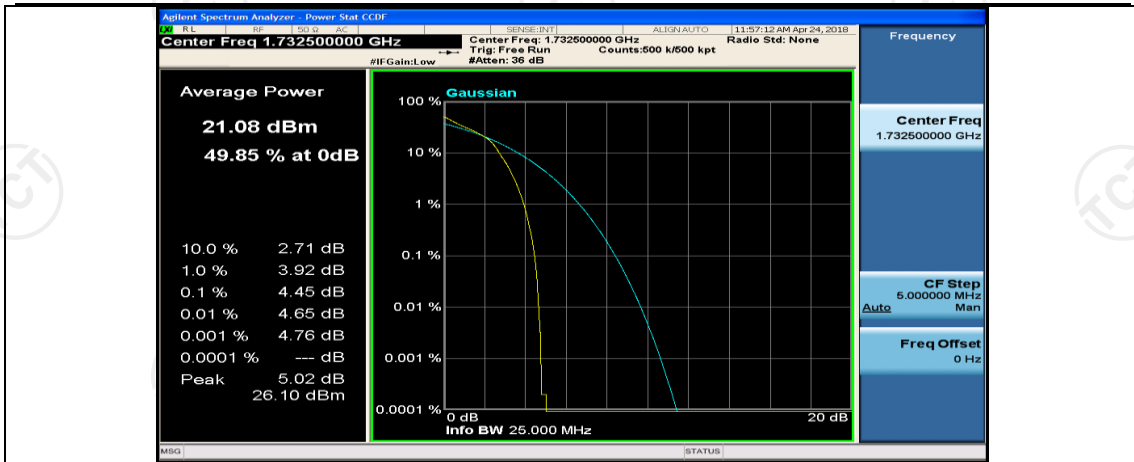
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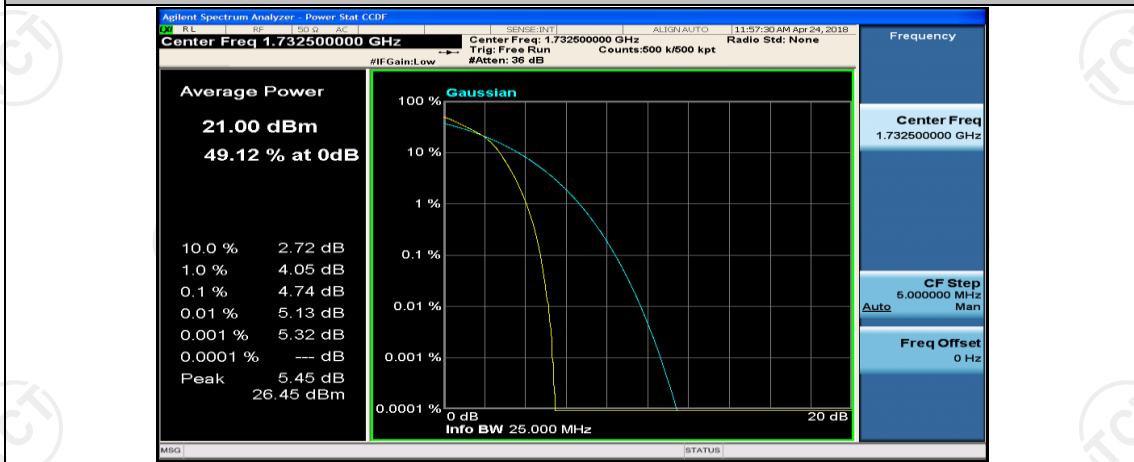
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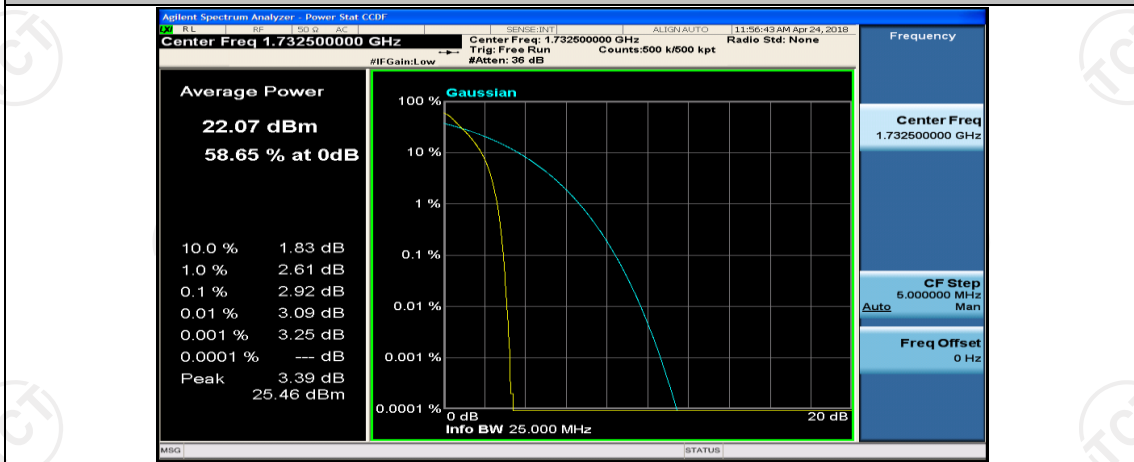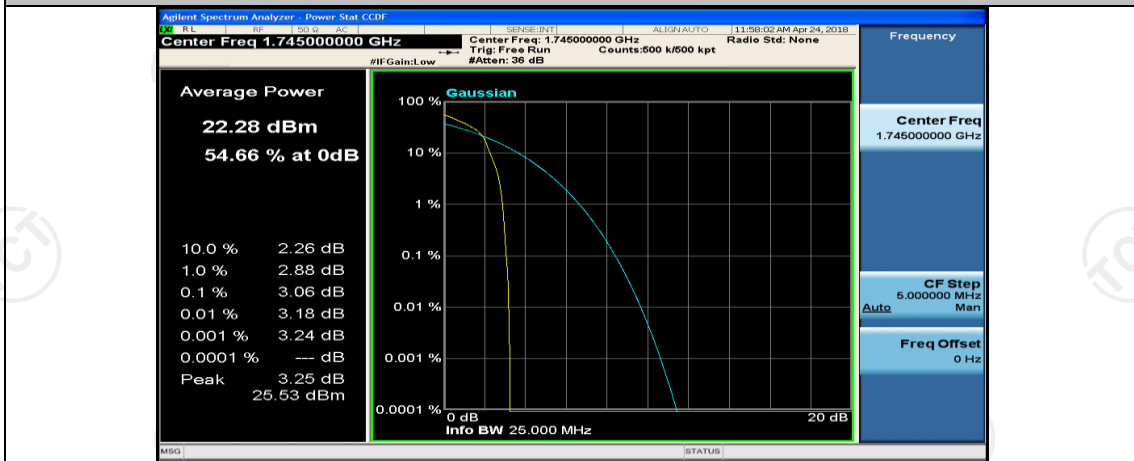

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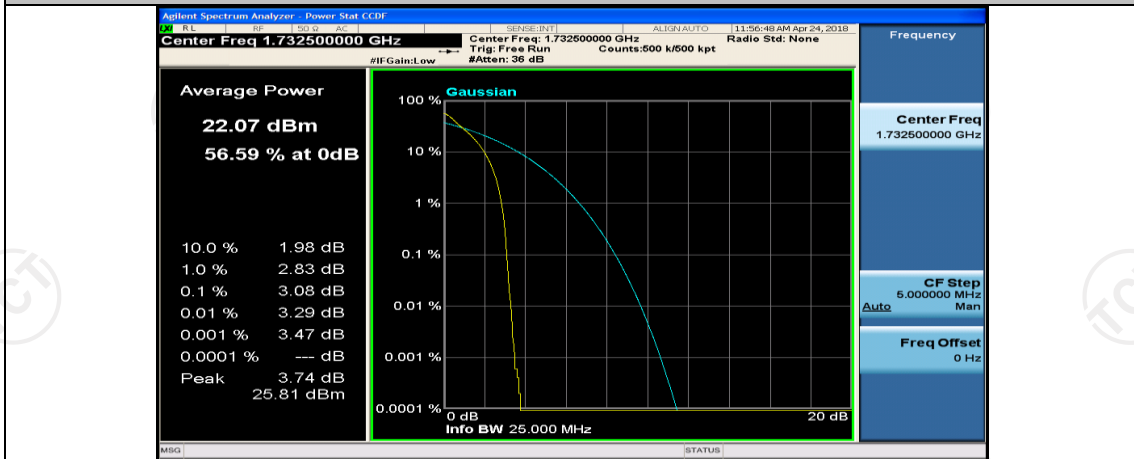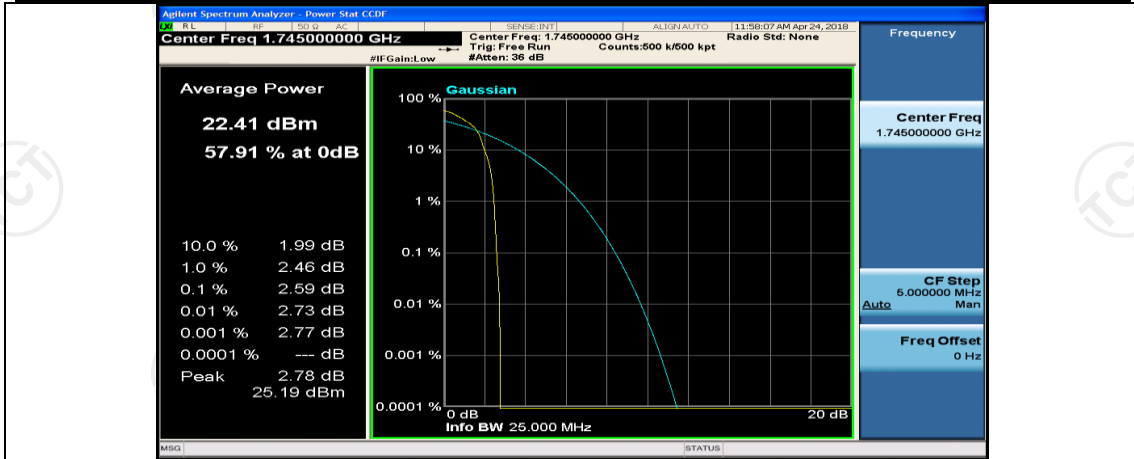
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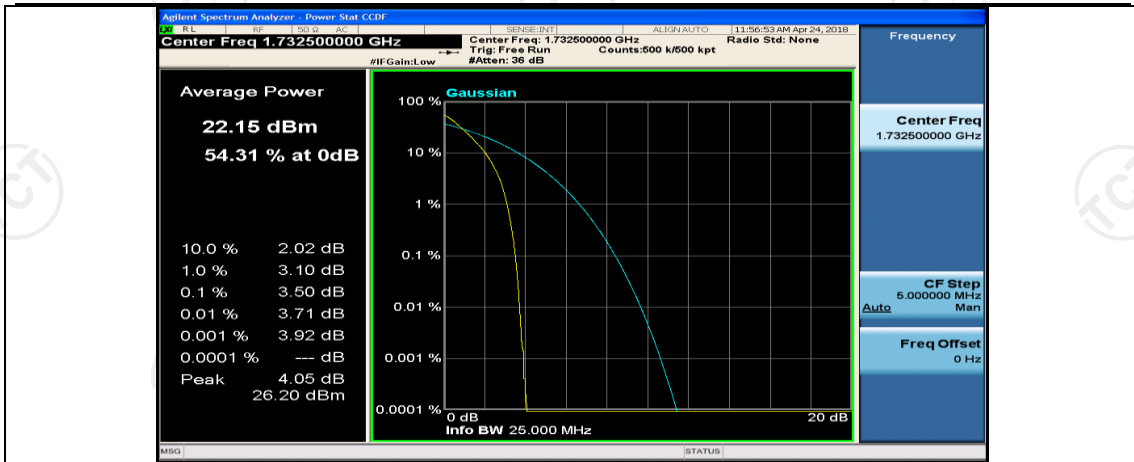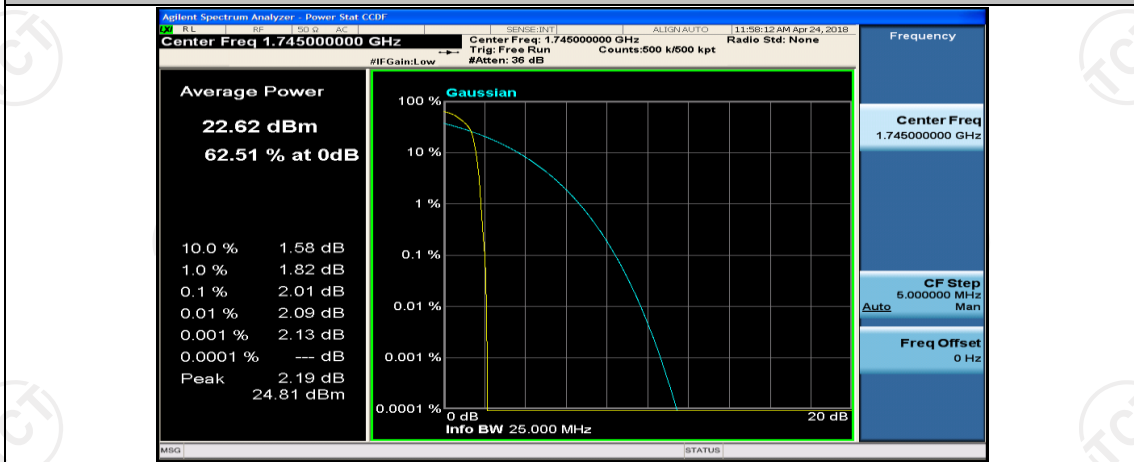

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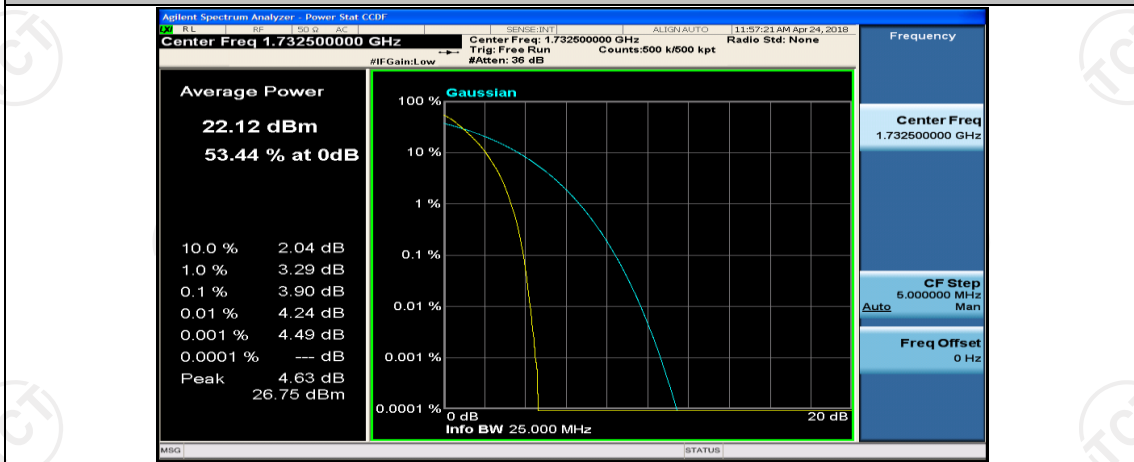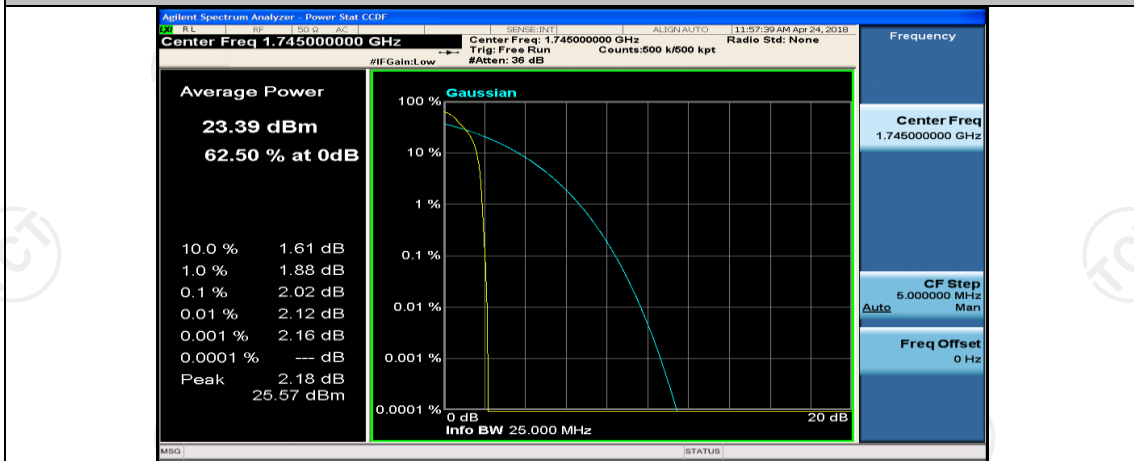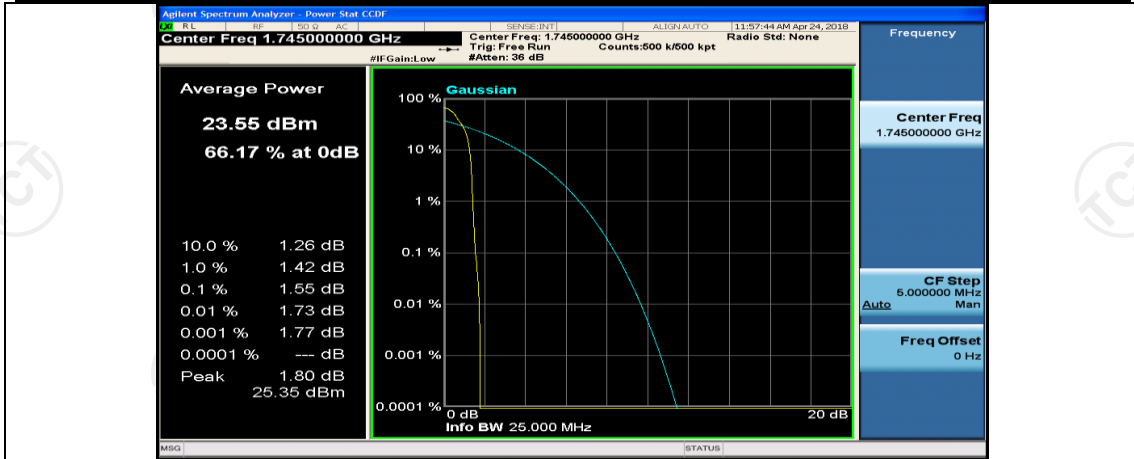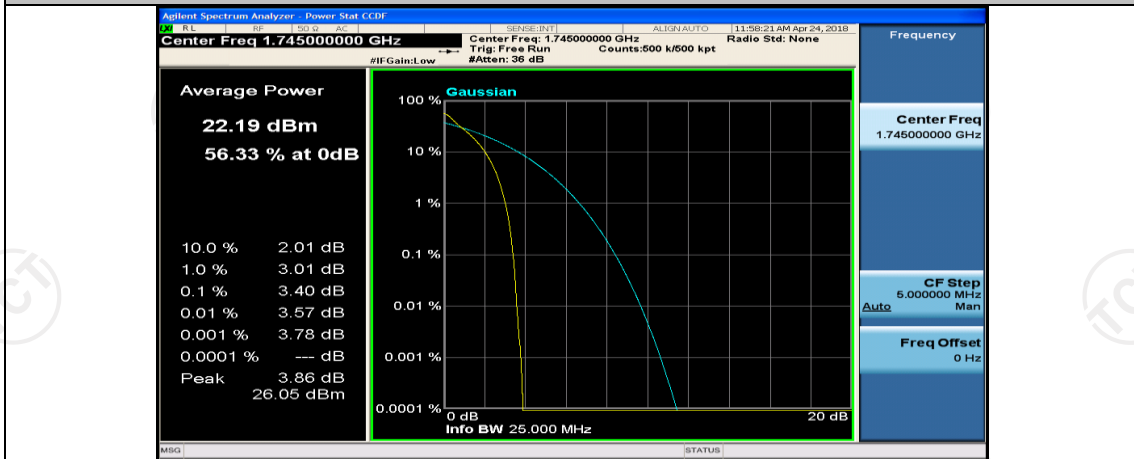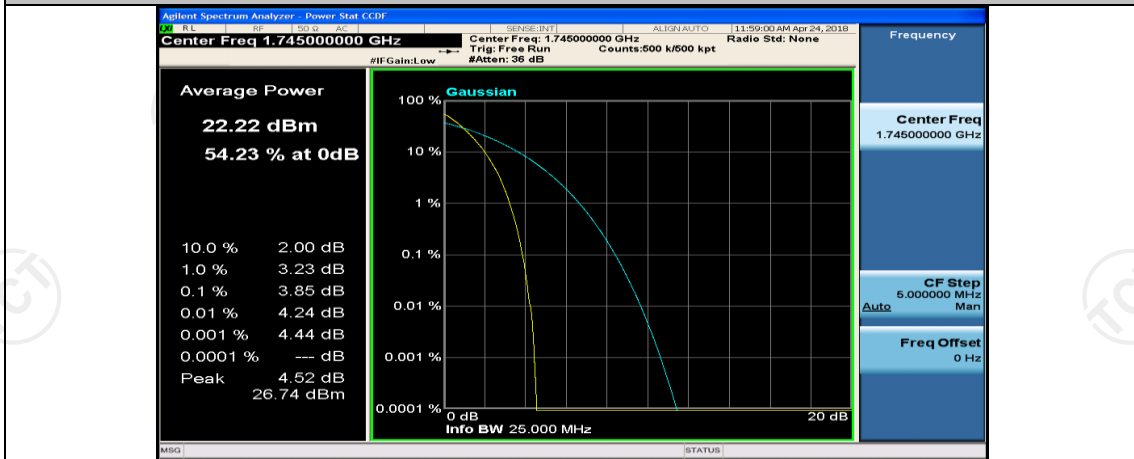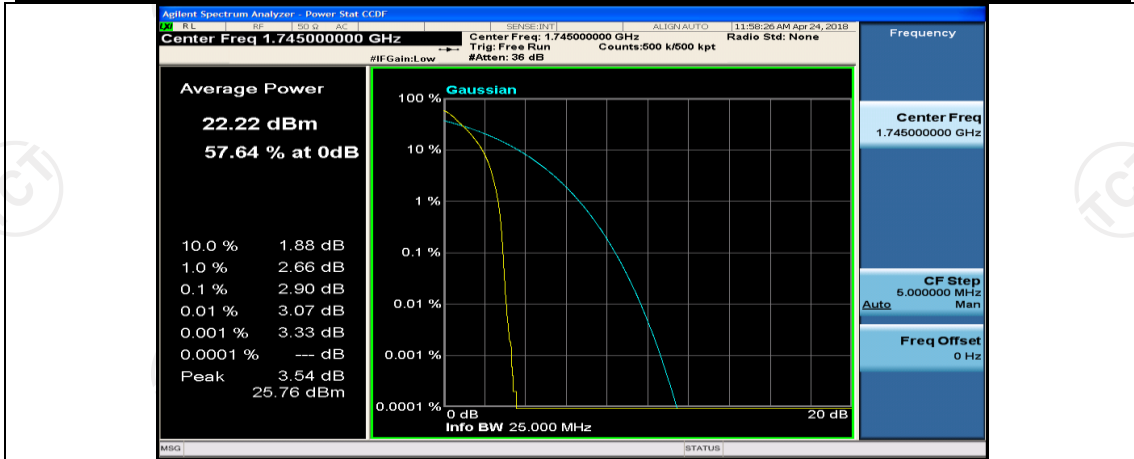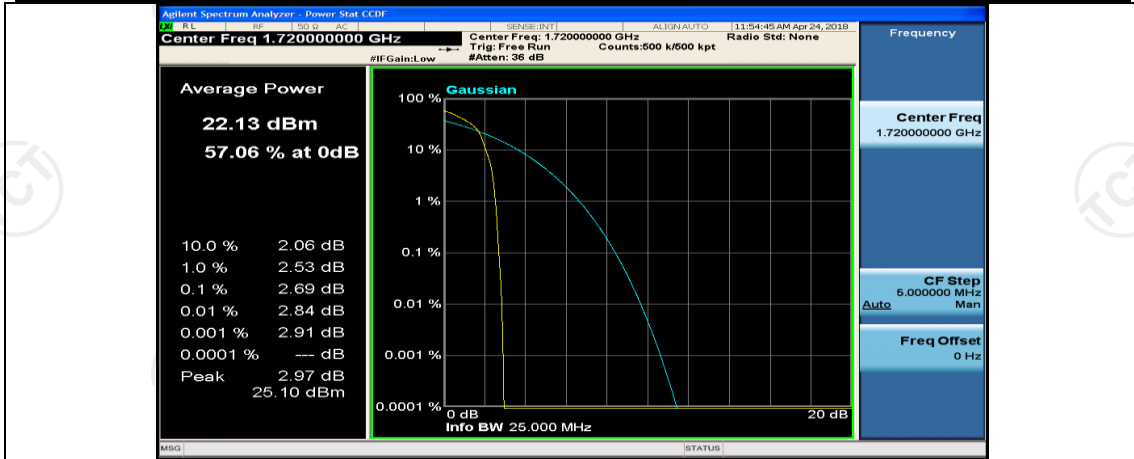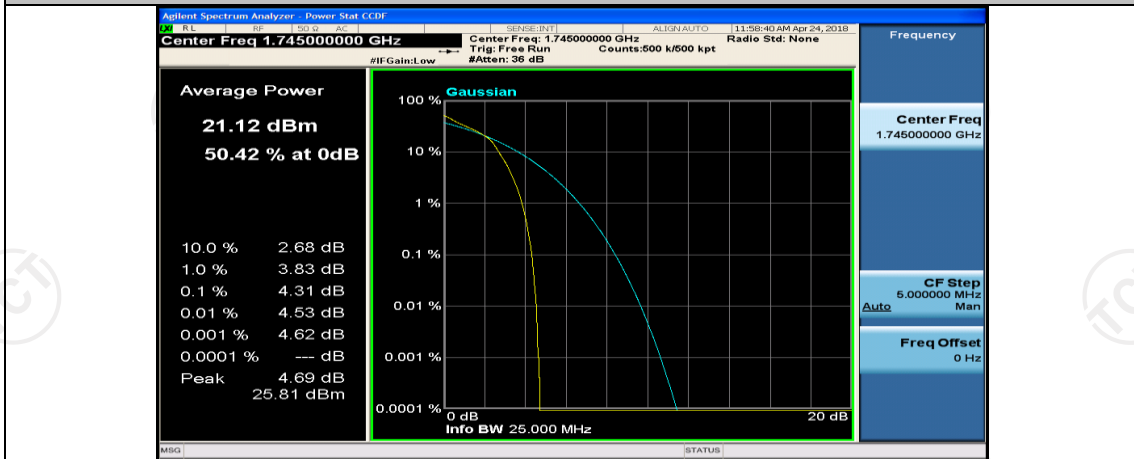

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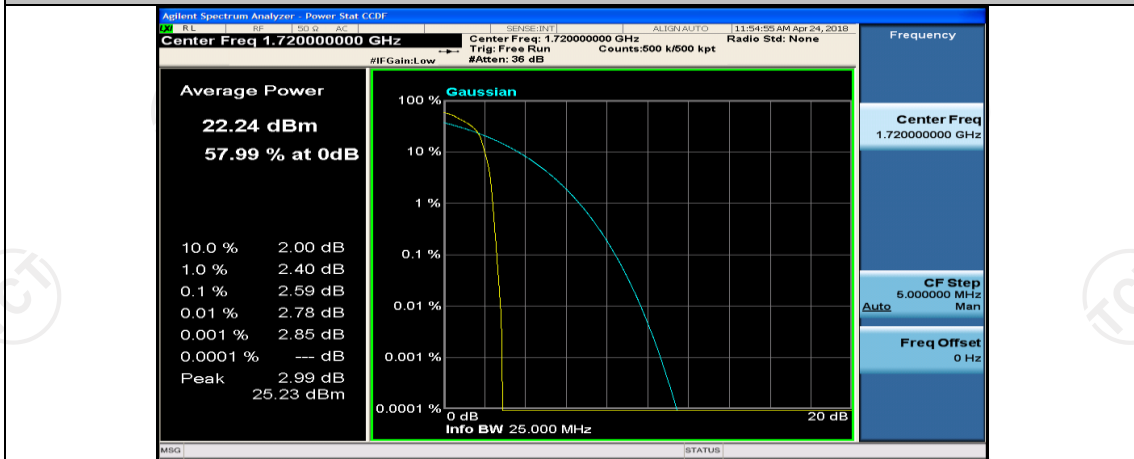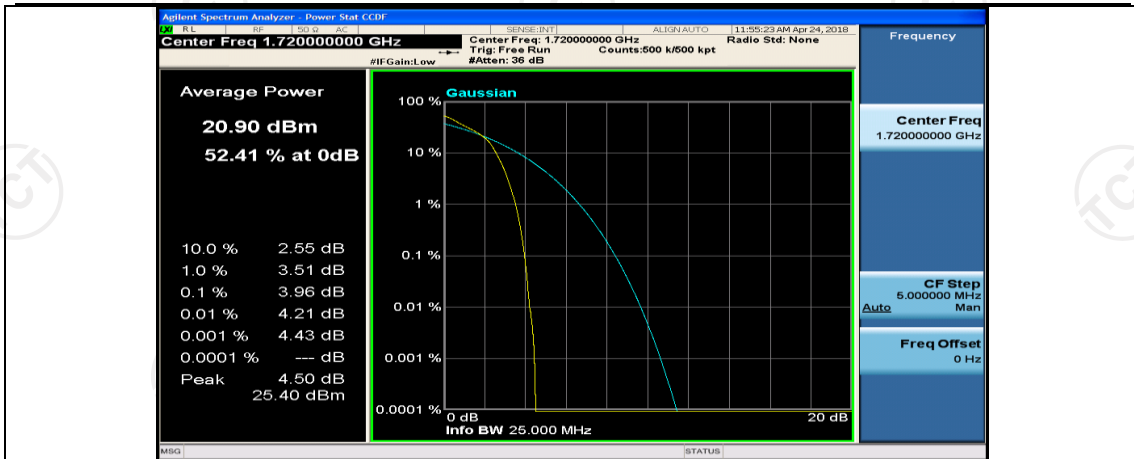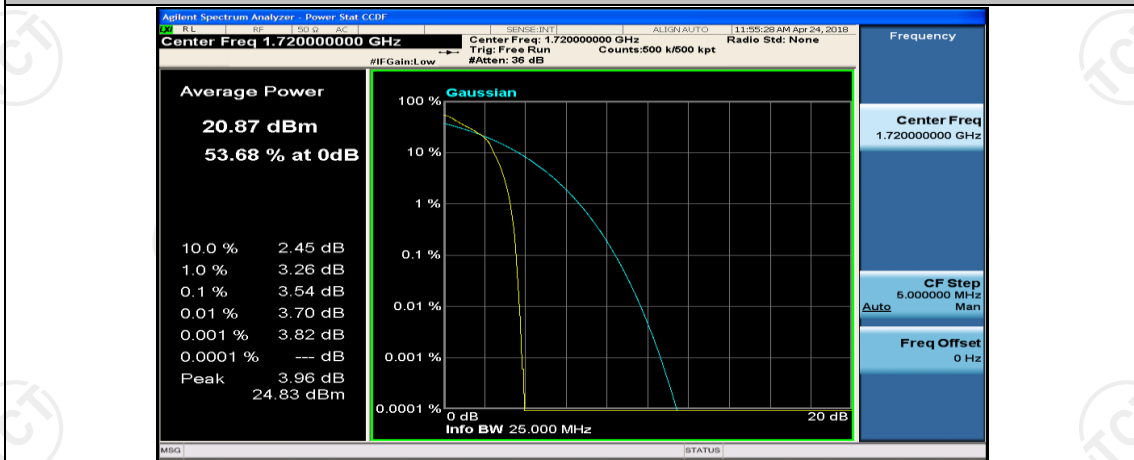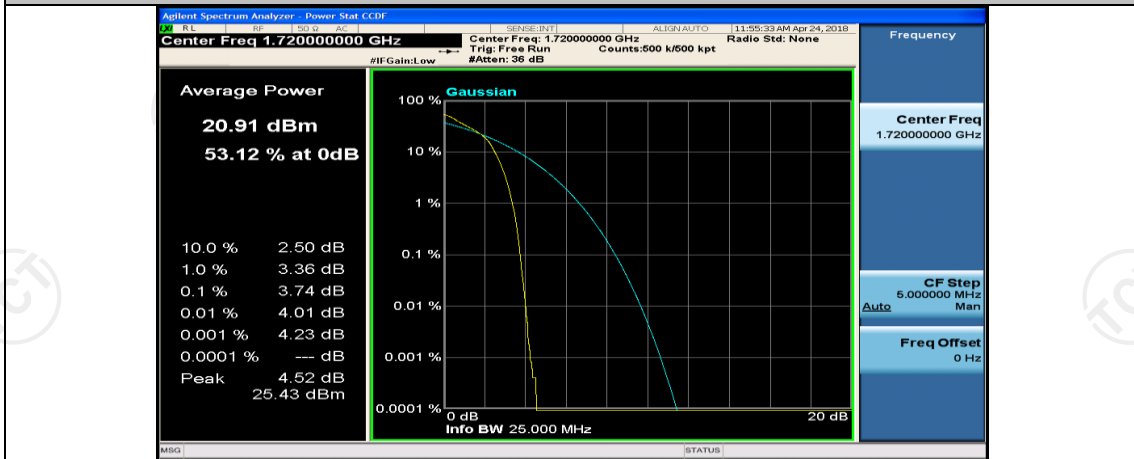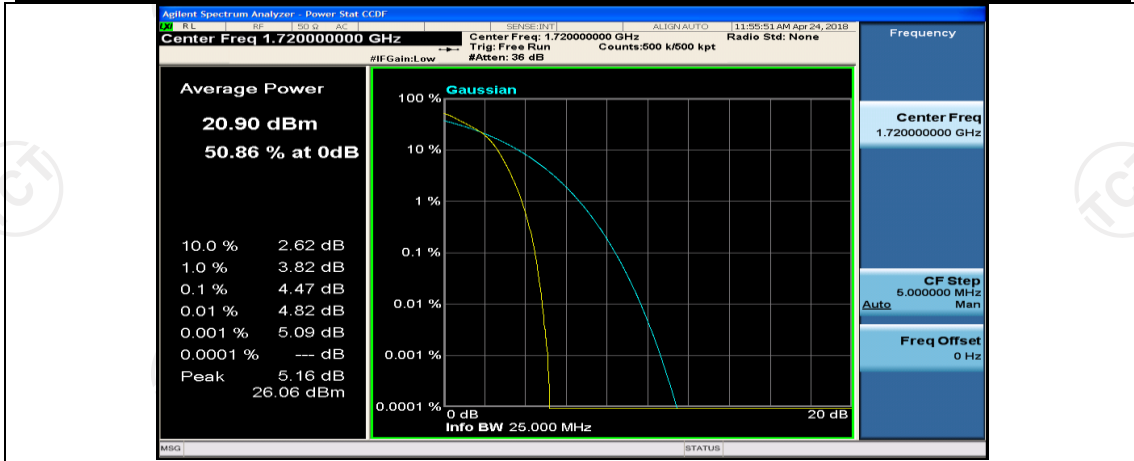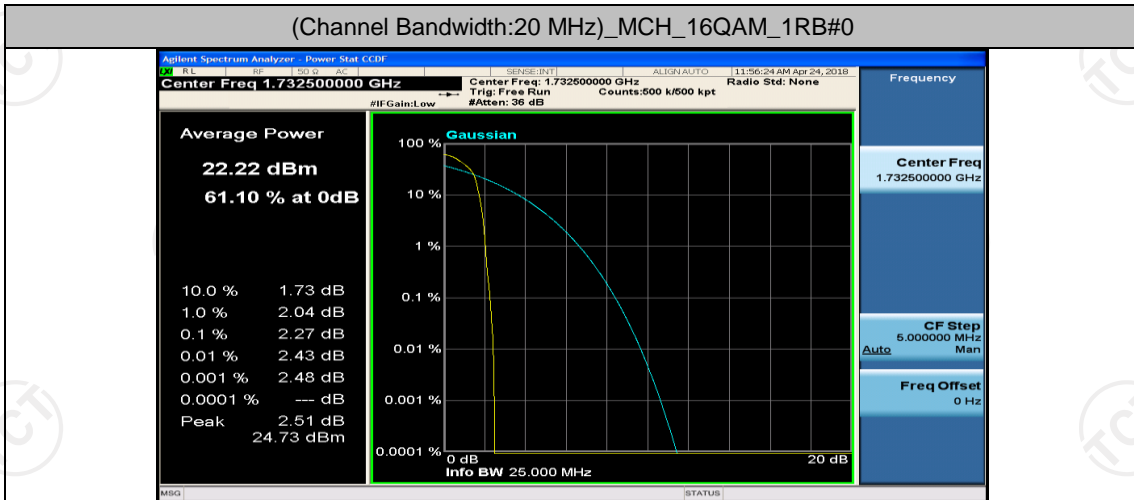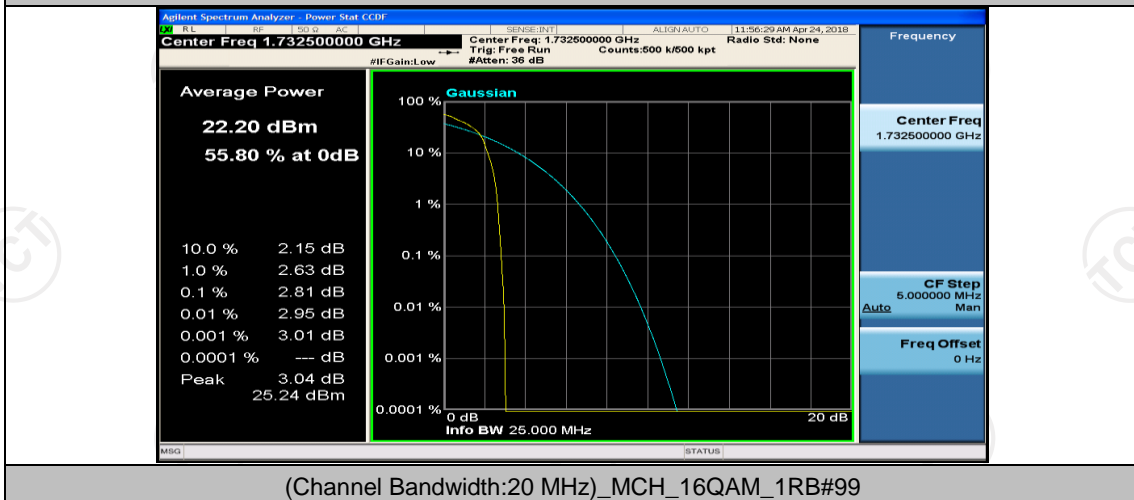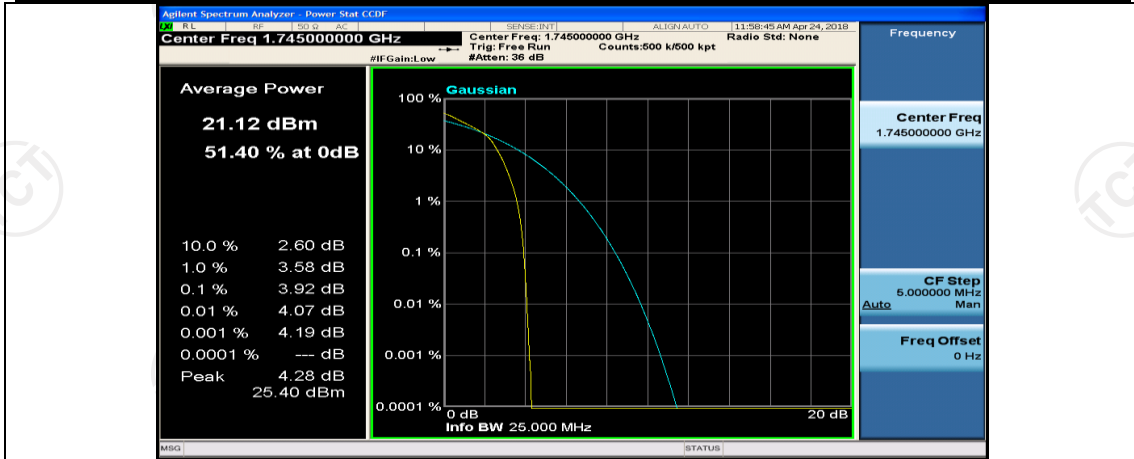**(Channel Bandwidth:20 MHz)_HCH_16QAM_50RB#50**
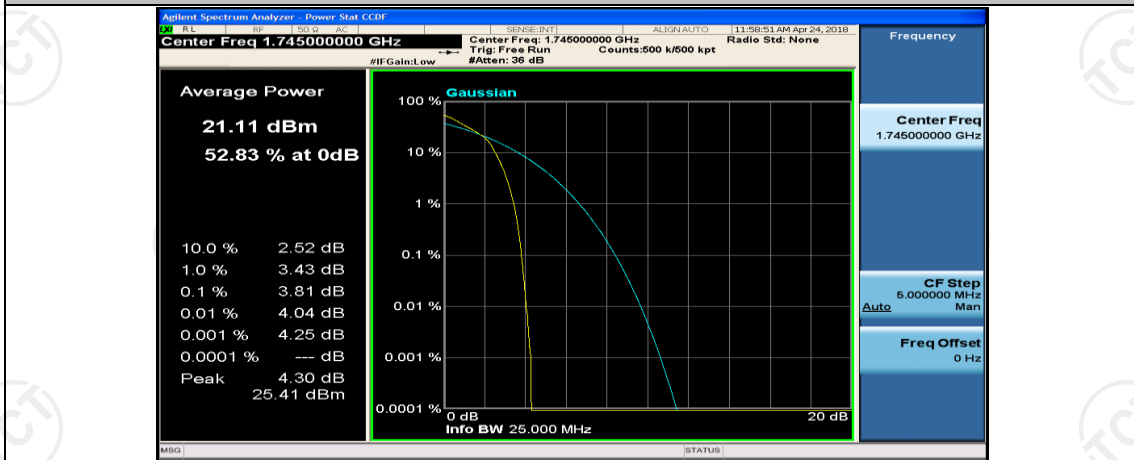
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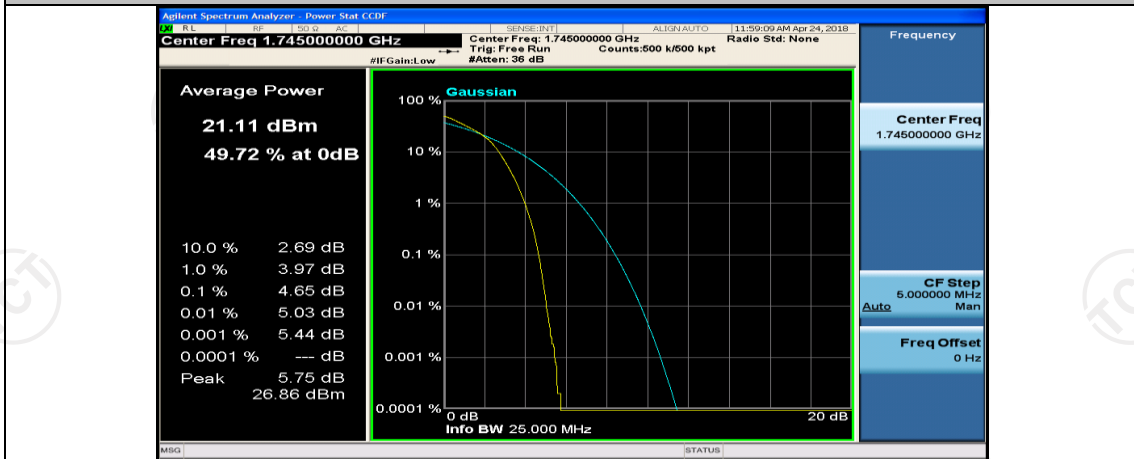
Appendix C: 26dB Bandwidth and Occupied Bandwidth

Test Result

Channel Bandwidth: 1.4 MHz

Channel Bandwidth: 1.4 MHz						
QPSK	Channel	RB Configuration		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		Size	Offset			
	LCH	6	0	1.1020	2.148	PASS
	MCH	6	0	1.0848	1.720	PASS
16QAM	HCH	6	0	1.2693	2.503	PASS
	LCH	6	0	1.0887	1.691	PASS
	MCH	6	0	1.0823	1.430	PASS
	HCH	6	0	1.1010	2.223	PASS

Channel Bandwidth: 3 MHz

Channel Bandwidth: 3 MHz						
QPSK	Channel	RB Configuration		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		Size	Offset			
	LCH	15	0	2.6990	4.470	PASS
	MCH	15	0	2.6899	3.160	PASS
16QAM	HCH	15	0	2.7159	5.456	PASS
	LCH	15	0	2.6930	3.638	PASS
	MCH	15	0	2.6883	2.902	PASS
	HCH	15	0	2.7012	4.245	PASS

Channel Bandwidth: 5 MHz

Channel Bandwidth: 5 MHz						
QPSK	Channel	RB Configuration		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		Size	Offset			
	LCH	25	0	4.5136	8.544	PASS
	MCH	25	0	4.4943	5.023	PASS
16QAM	HCH	25	0	4.5337	9.207	PASS
	LCH	25	0	4.5073	6.614	PASS
	MCH	25	0	4.4923	4.916	PASS
	HCH	25	0	4.4971	7.603	PASS

Channel Bandwidth: 10 MHz

QPSK	Channel	RB Configuration		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		Size	Offset			
	LCH	50	0	9.0013	16.31	PASS
	MCH	50	0	8.9729	10.47	PASS
16QAM	HCH	50	0	9.0046	16.39	PASS
	LCH	50	0	8.9728	13.87	PASS
	MCH	50	0	8.9519	9.756	PASS
	HCH	50	0	8.9633	13.00	PASS

Channel Bandwidth: 15 MHz

QPSK	Channel	RB Configuration		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		Size	Offset			
	LCH	75	0	13.720	28.23	PASS
	MCH	75	0	13.511	24.52	PASS
16QAM	HCH	75	0	13.584	28.06	PASS
	LCH	75	0	13.489	24.16	PASS
	MCH	75	0	13.470	19.00	PASS
	HCH	75	0	13.491	21.70	PASS

Channel Bandwidth: 20 MHz

QPSK	Channel	RB Configuration		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		Size	Offset			
	LCH	100	0	17.960	32.11	PASS
	MCH	100	0	17.942	25.72	PASS
16QAM	HCH	100	0	17.938	27.05	PASS
	LCH	100	0	17.922	27.30	PASS
	MCH	100	0	17.921	19.36	PASS
	HCH	100	0	17.902	23.05	PASS

Test Graphs

Channel Bandwidth: 1.4 MHz
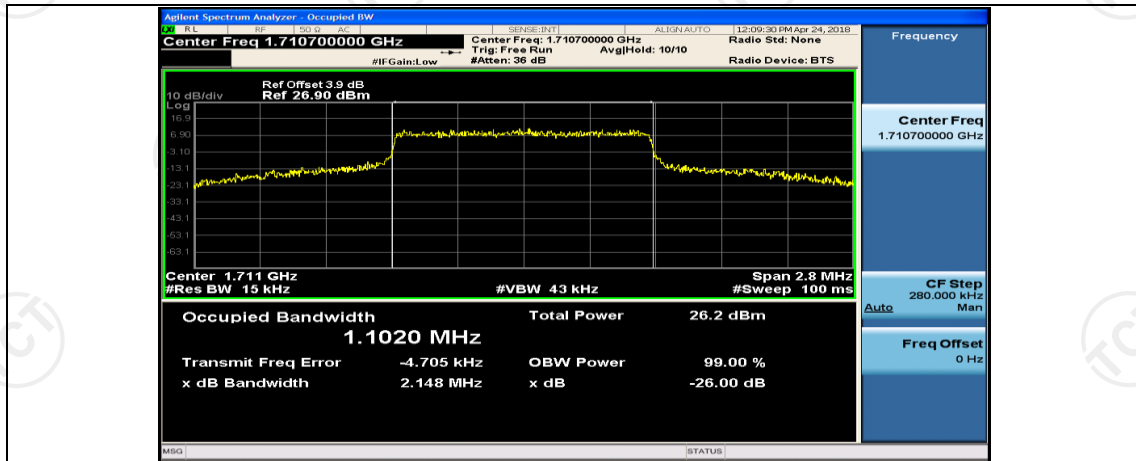
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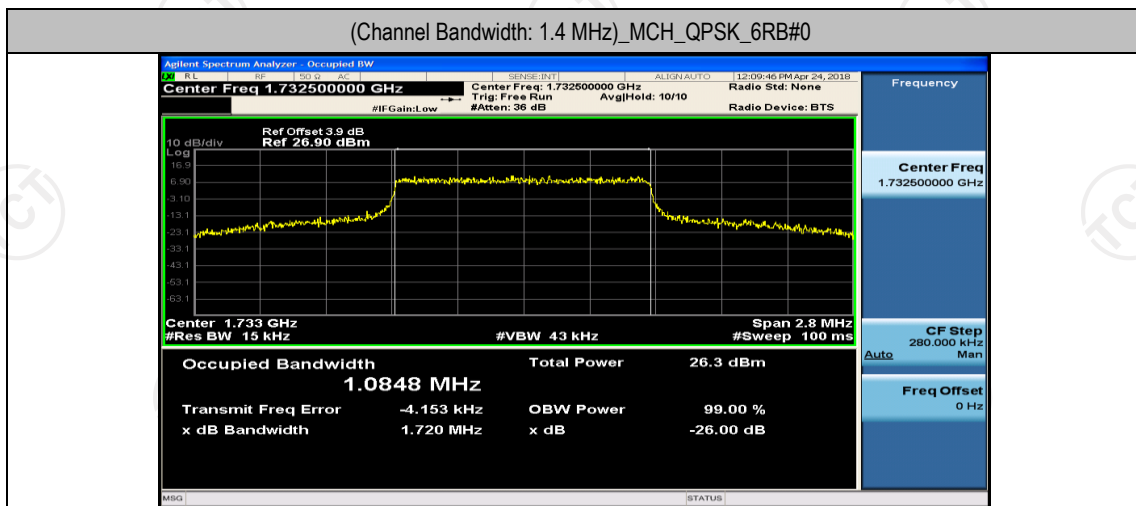
(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_6RB#0
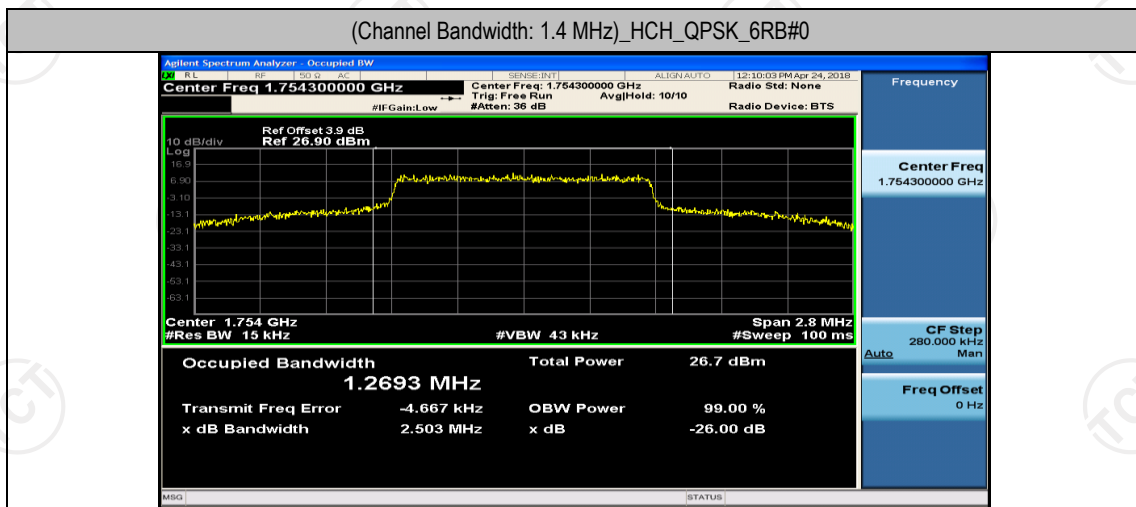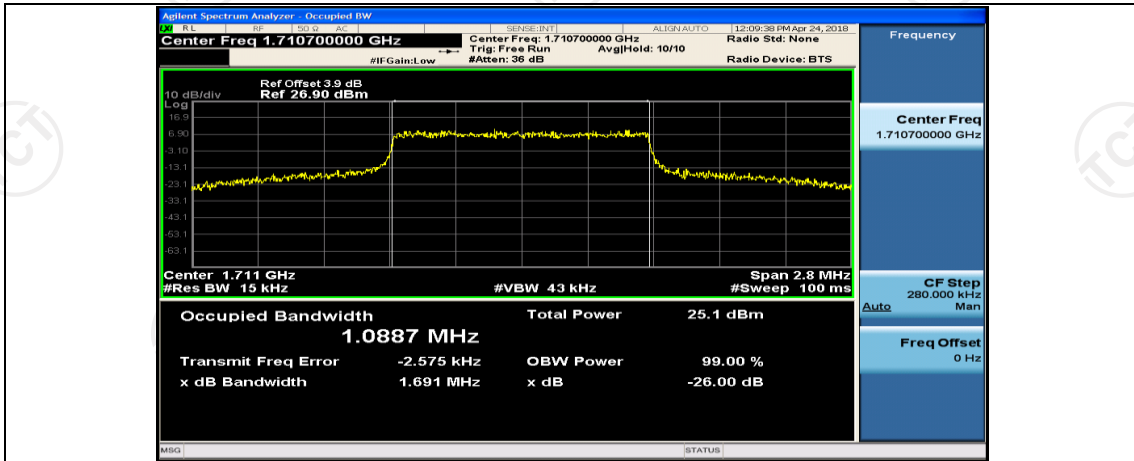
(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_6RB#0
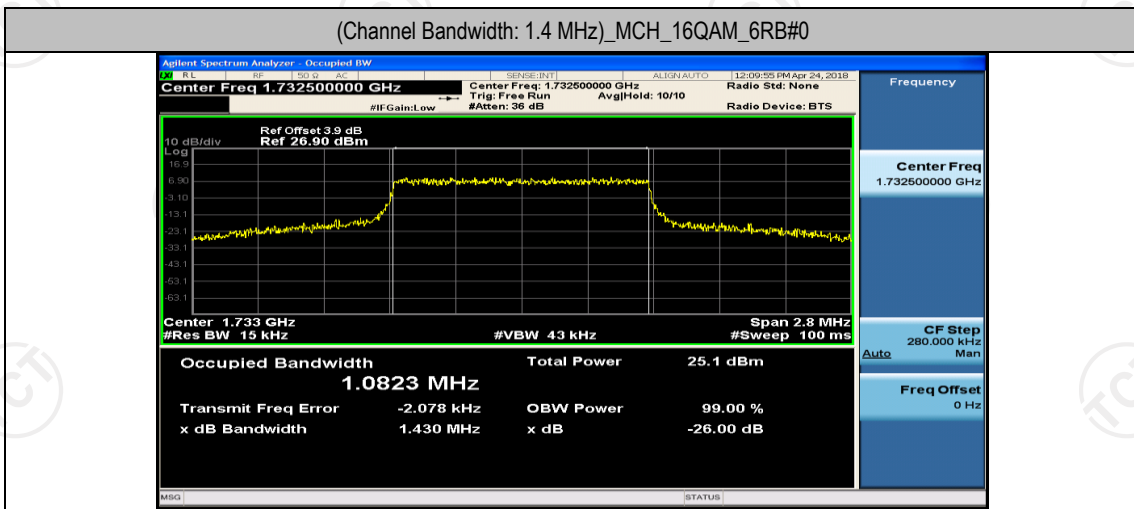
(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_6RB#0

Channel Bandwidth: 3 MHz

(Channel Bandwidth: 3 MHz)_MCH_QPSK_15RB#0

(Channel Bandwidth: 3 MHz)_HCH_QPSK_15RB#0

(Channel Bandwidth: 3 MHz)_LCH_16QAM_15RB#0

(Channel Bandwidth: 3 MHz)_MCH_16QAM_15RB#0

(Channel Bandwidth: 3 MHz)_HCH_16QAM_15RB#0

Channel Bandwidth: 5 MHz

(Channel Bandwidth: 5 MHz)_LCH_QPSK_25RB#0

(Channel Bandwidth: 5 MHz)_MCH_QPSK_25RB#0

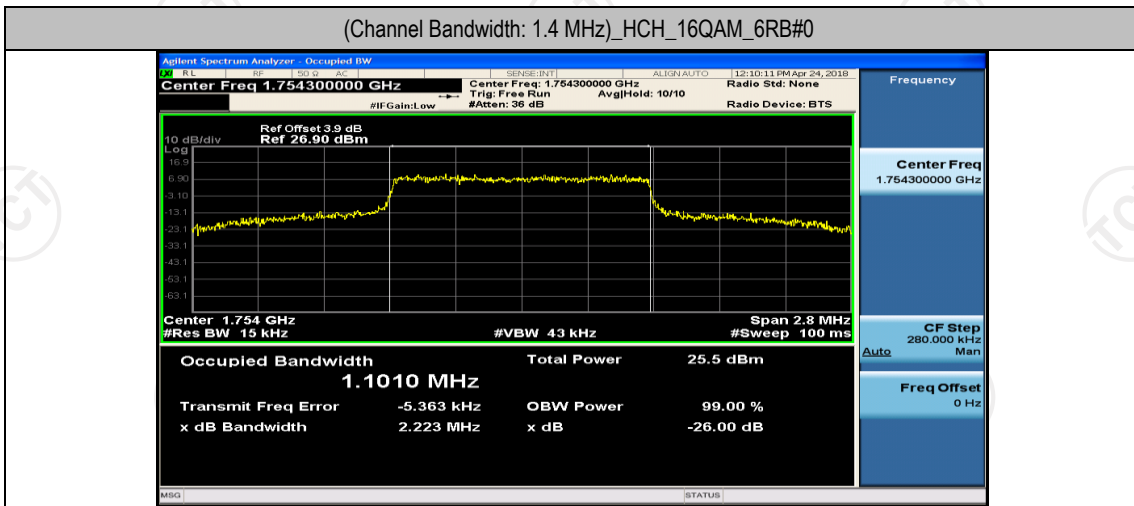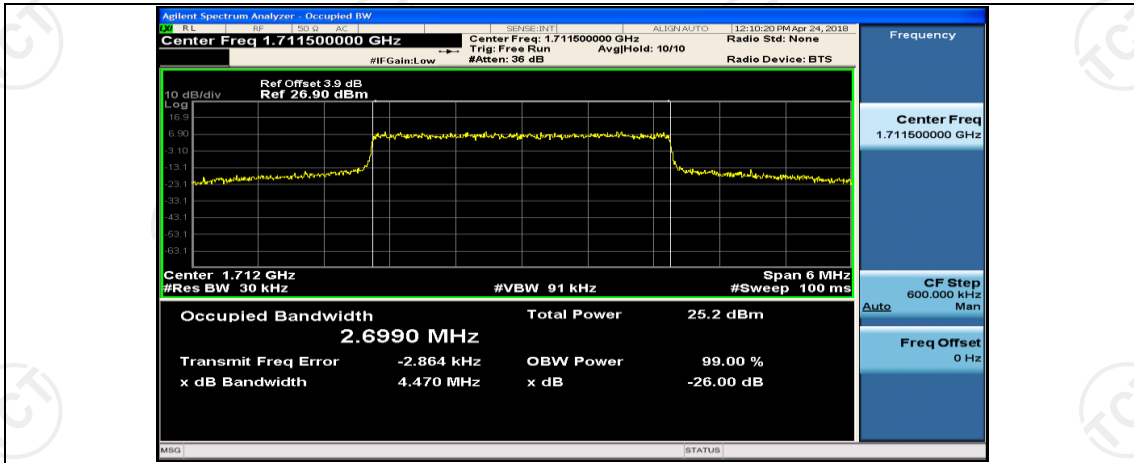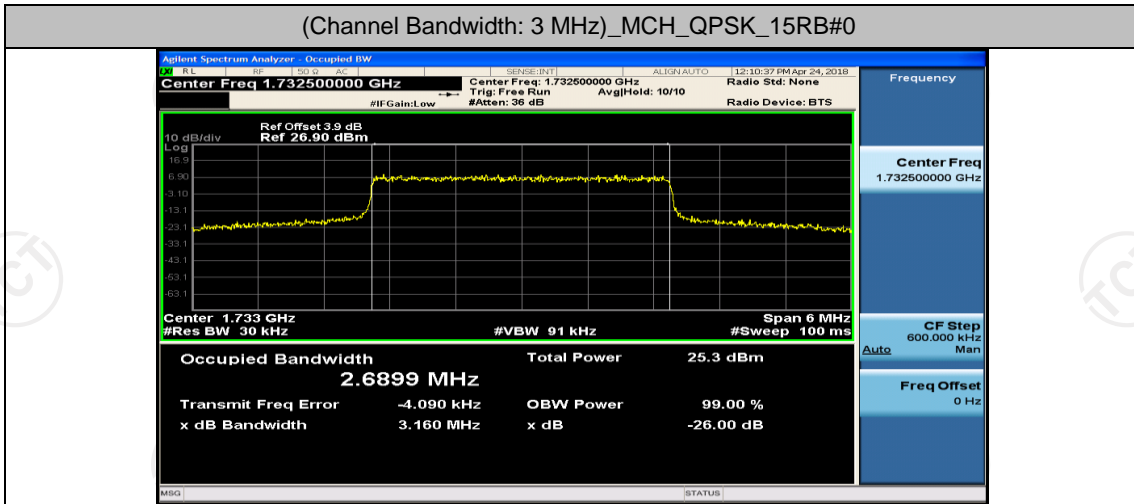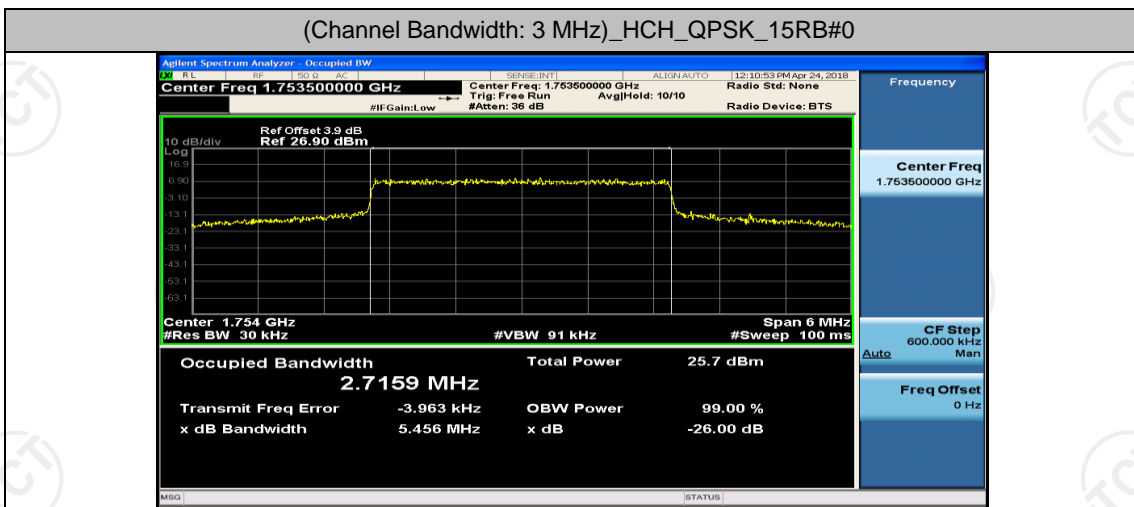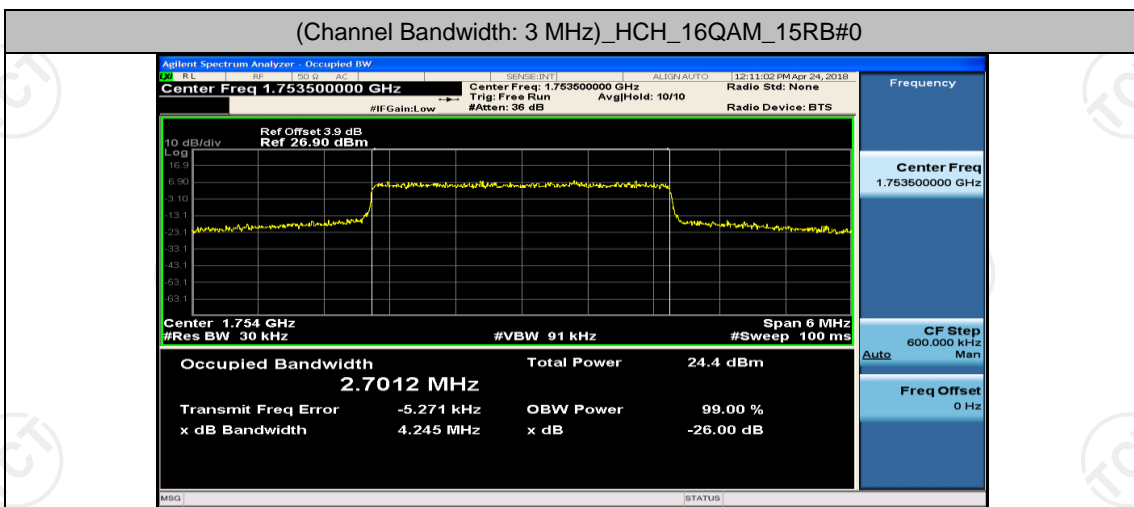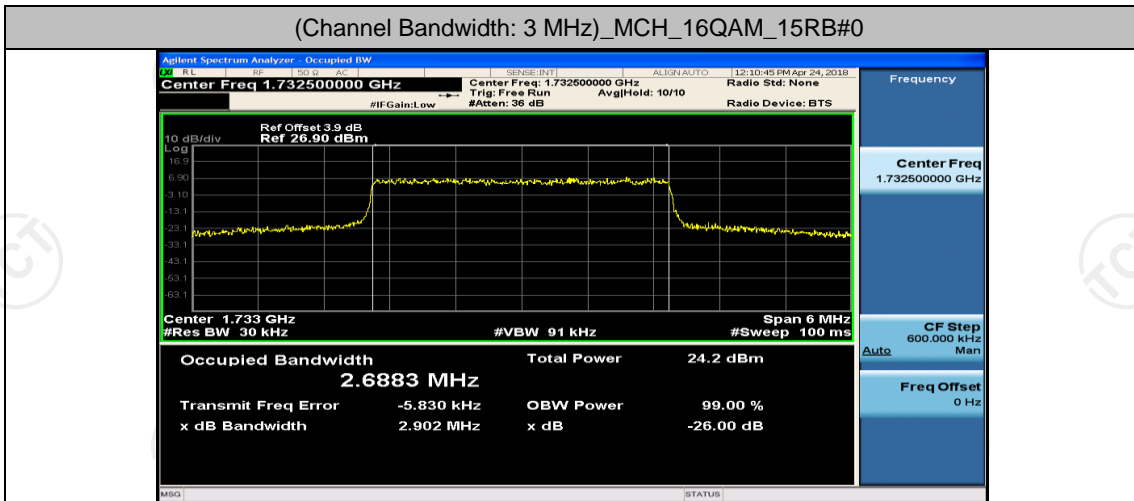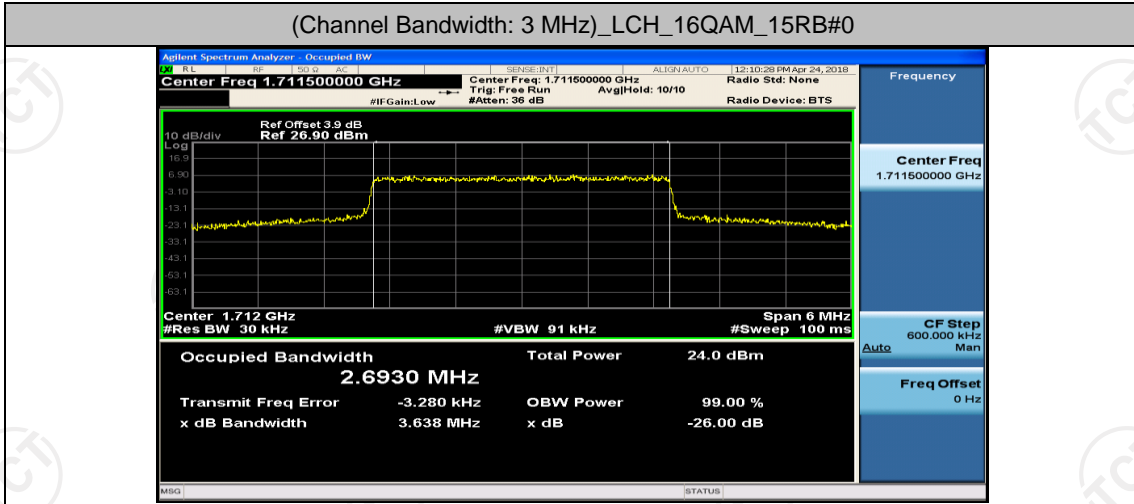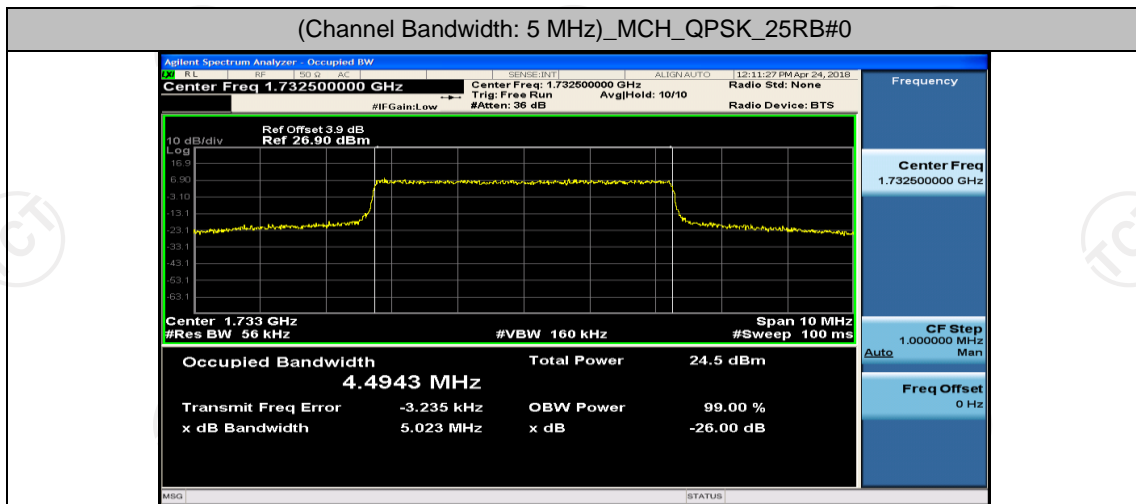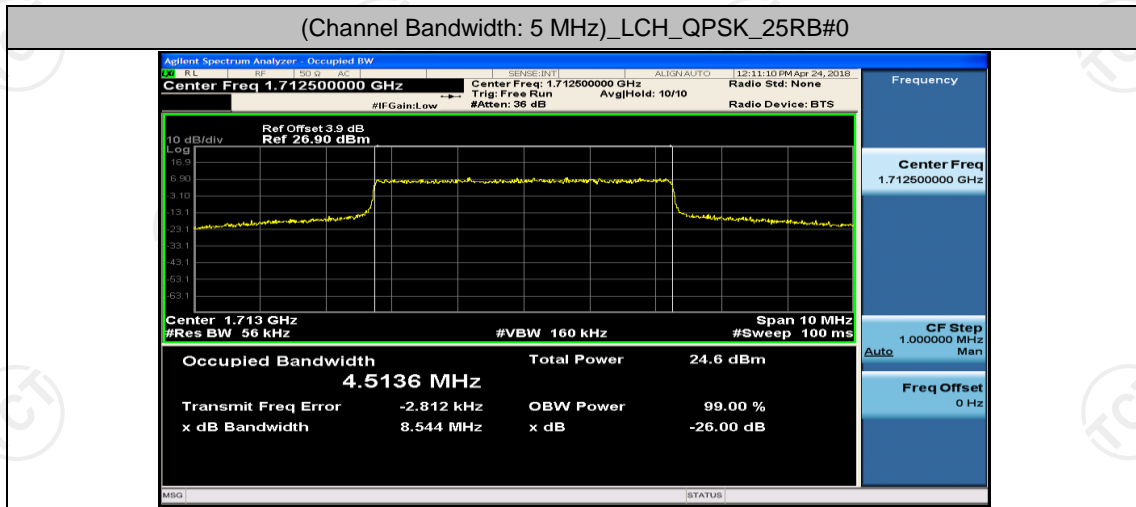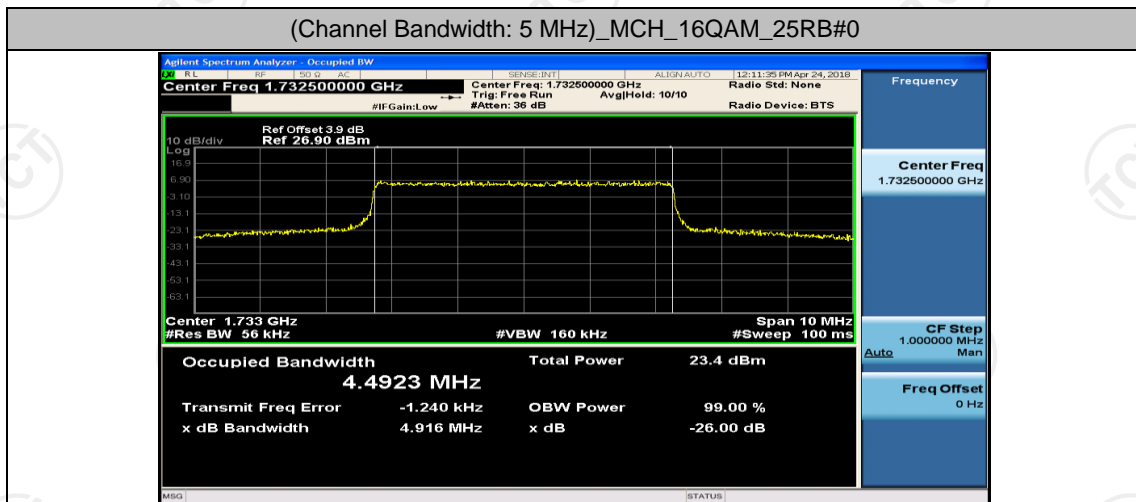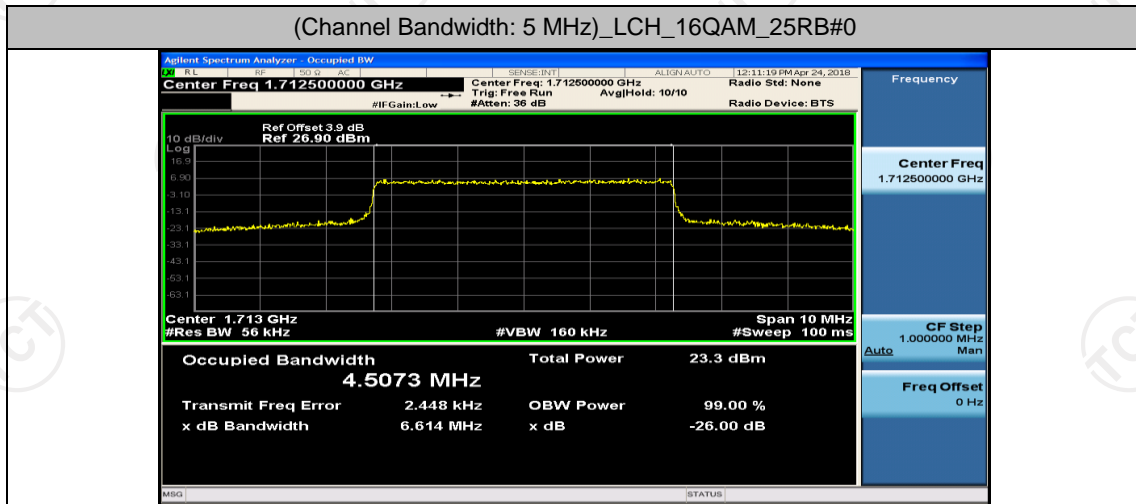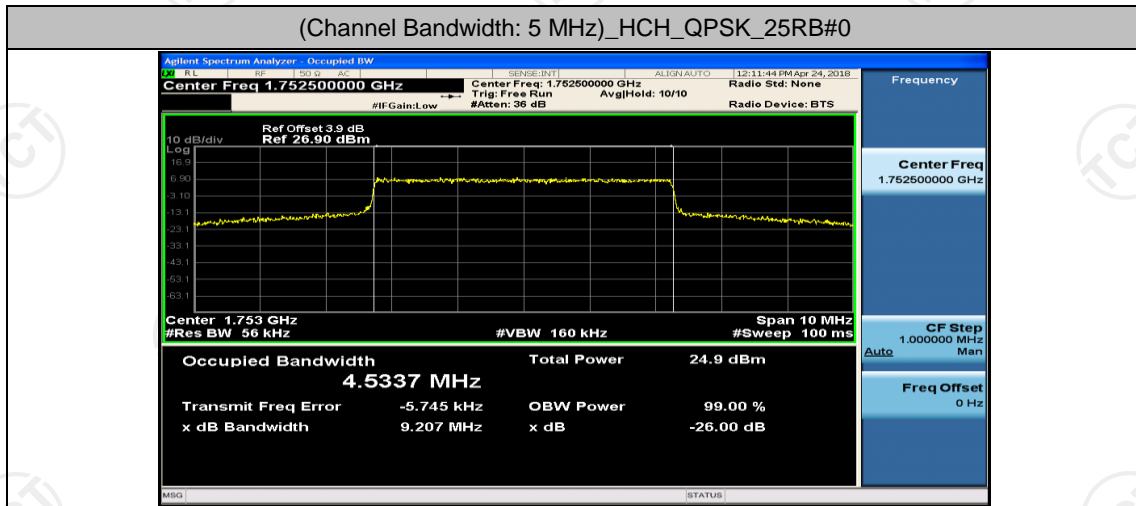**TCT 通测检测**
TESTING CENTRE TECHNOLOGY

(Channel Bandwidth: 5 MHz)_HCH_QPSK_25RB#0

Agilent Spectrum Analyzer - Occupied BW
Center Freq 1.752500000 GHz
Center Freq: 1.752500000 GHz
Trig: Free Run   Avg|Hold: 10/10
#Atten: 36 dB
#IFGain:Low
SENSE:INT   ALIGN AUTO   12:11:44 PM Apr 24, 2018
Radio Std: None
Radio Device: BTS

Ref Offset 3.9 dB
Ref 26.90 dBm
10 dB/div Log

Center 1.753 GHz
#Res BW 56 kHz
#VBW 160 kHz
Span 10 MHz
#Sweep 100 ms

Occupied Bandwidth	4.5337 MHz	Total Power	24.9 dBm
Transmit Freq Error	-5.745 kHz	OBW Power	99.00 %
x dB Bandwidth	9.207 MHz	x dB	-26.00 dB

Frequency
Center Freq 1.752500000 GHz
CF Step 1.000000 MHz
Auto   Man
Freq Offset 0 Hz

(Channel Bandwidth: 5 MHz)_LCH_16QAM_25RB#0

Agilent Spectrum Analyzer - Occupied BW
Center Freq 1.712500000 GHz
Center Freq: 1.712500000 GHz
Trig: Free Run   Avg|Hold: 10/10
#Atten: 36 dB
#IFGain:Low
SENSE:INT   ALIGN AUTO   12:11:19 PM Apr 24, 2018
Radio Std: None
Radio Device: BTS

Ref Offset 3.9 dB
Ref 26.90 dBm
10 dB/div Log

Center 1.713 GHz
#Res BW 56 kHz
#VBW 160 kHz
Span 10 MHz
#Sweep 100 ms

Occupied Bandwidth	4.5073 MHz	Total Power	23.3 dBm
Transmit Freq Error	2.448 kHz	OBW Power	99.00 %
x dB Bandwidth	6.614 MHz	x dB	-26.00 dB

Frequency
Center Freq 1.712500000 GHz
CF Step 1.000000 MHz
Auto   Man
Freq Offset 0 Hz

(Channel Bandwidth: 5 MHz)_MCH_16QAM_25RB#0

Agilent Spectrum Analyzer - Occupied BW
Center Freq 1.732500000 GHz
Center Freq: 1.732500000 GHz
Trig: Free Run   Avg|Hold: 10/10
#Atten: 36 dB
#IFGain:Low
SENSE:INT   ALIGN AUTO   12:11:35 PM Apr 24, 2018
Radio Std: None
Radio Device: BTS

Ref Offset 3.9 dB
Ref 26.90 dBm
10 dB/div Log

Center 1.733 GHz
#Res BW 56 kHz
#VBW 160 kHz
Span 10 MHz
#Sweep 100 ms

Occupied Bandwidth	4.4923 MHz	Total Power	23.4 dBm
Transmit Freq Error	-1.240 kHz	OBW Power	99.00 %
x dB Bandwidth	4.916 MHz	x dB	-26.00 dB

Frequency
Center Freq 1.732500000 GHz
CF Step 1.000000 MHz
Auto   Man
Freq Offset 0 Hz

(Channel Bandwidth: 5 MHz)_HCH_16QAM_25RB#0

Channel Bandwidth: 10 MHz

Channel Bandwidth: 10 MHz_LCH_QPSK_50RB#0

Channel Bandwidth: 10 MHz_MCH_QPSK_50RB#0

Channel Bandwidth: 10 MHz_HCH_QPSK_50RB#0

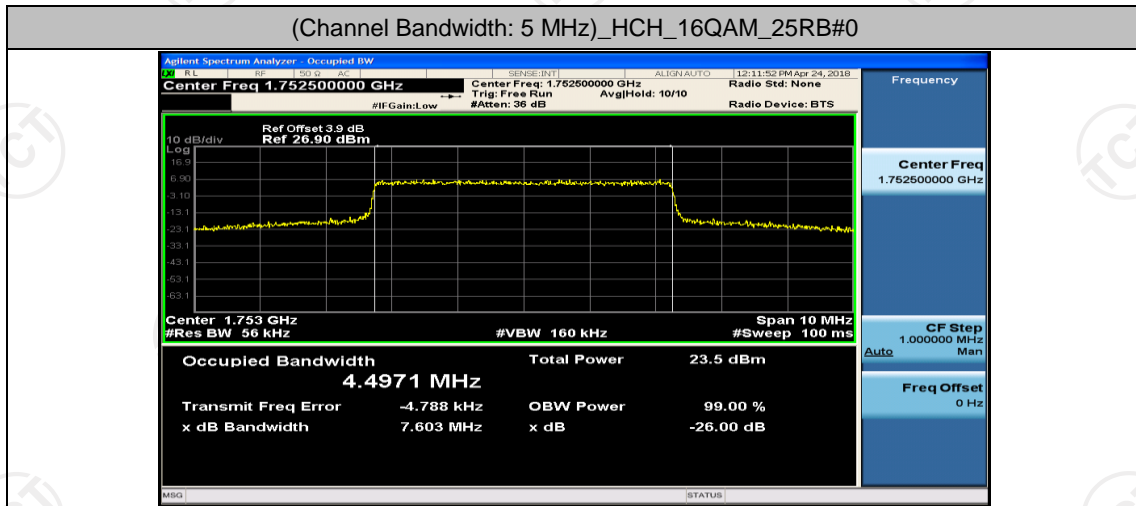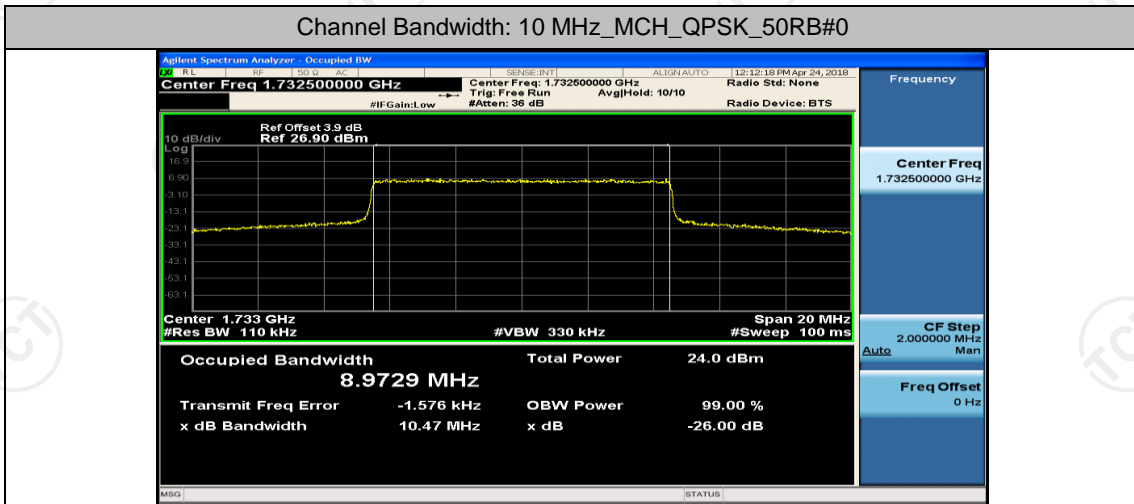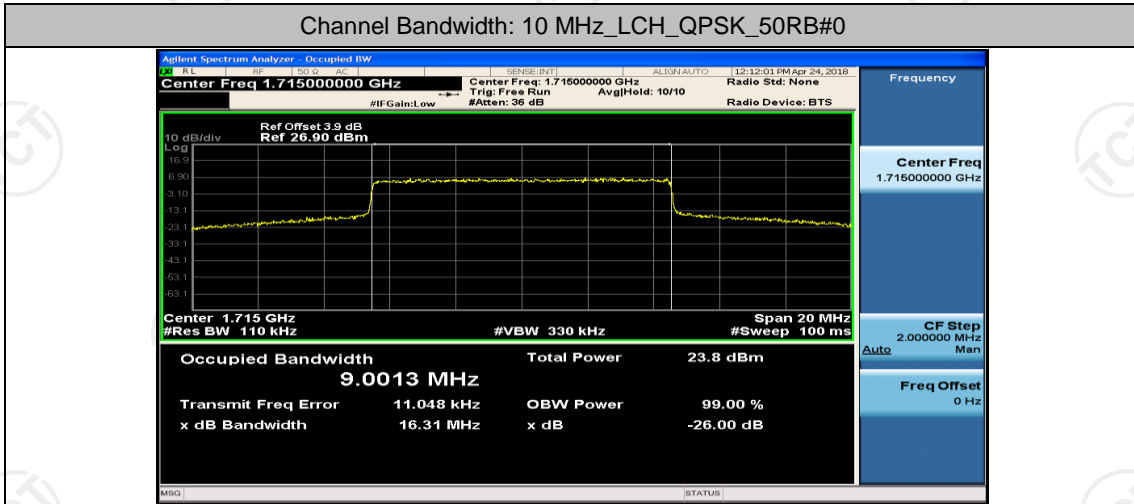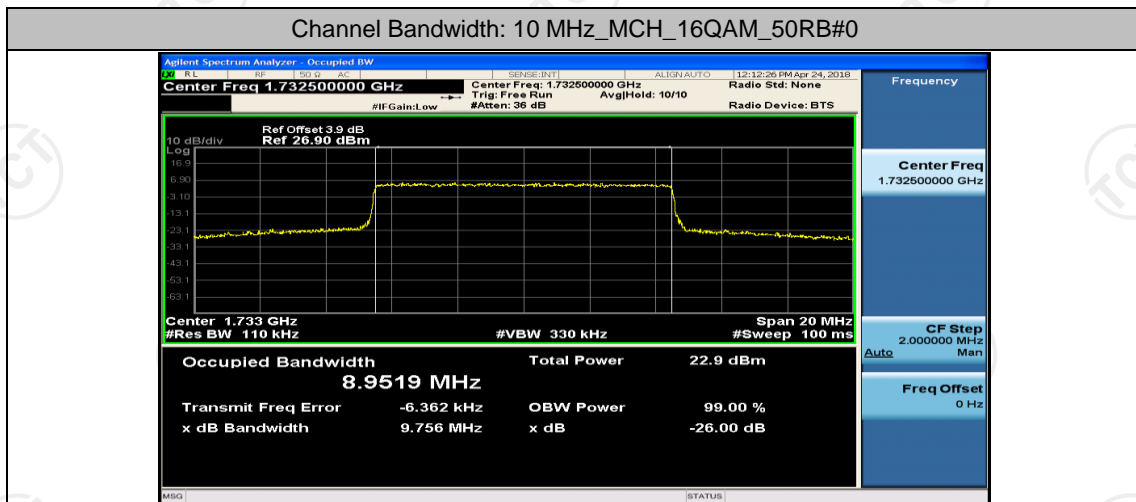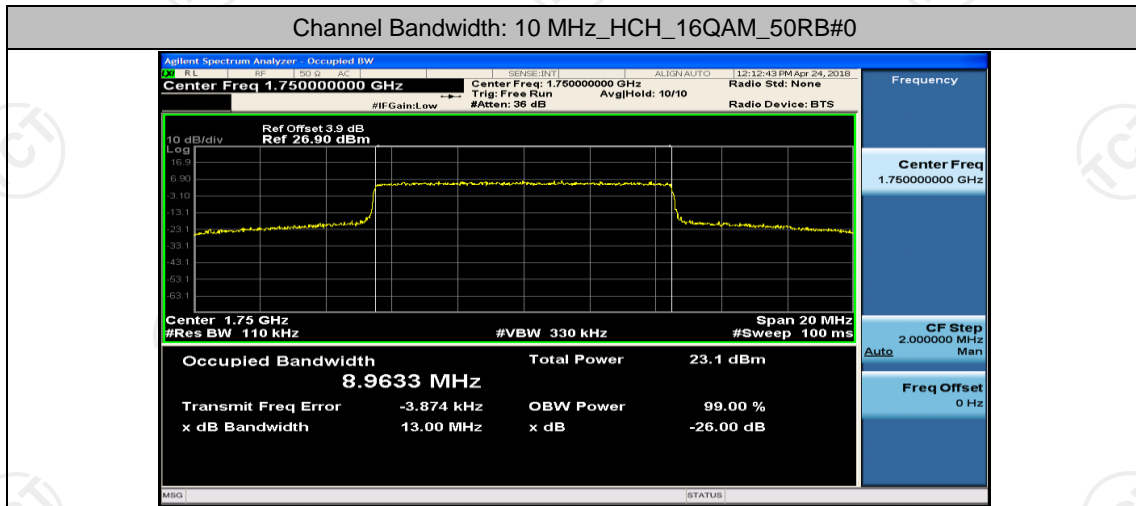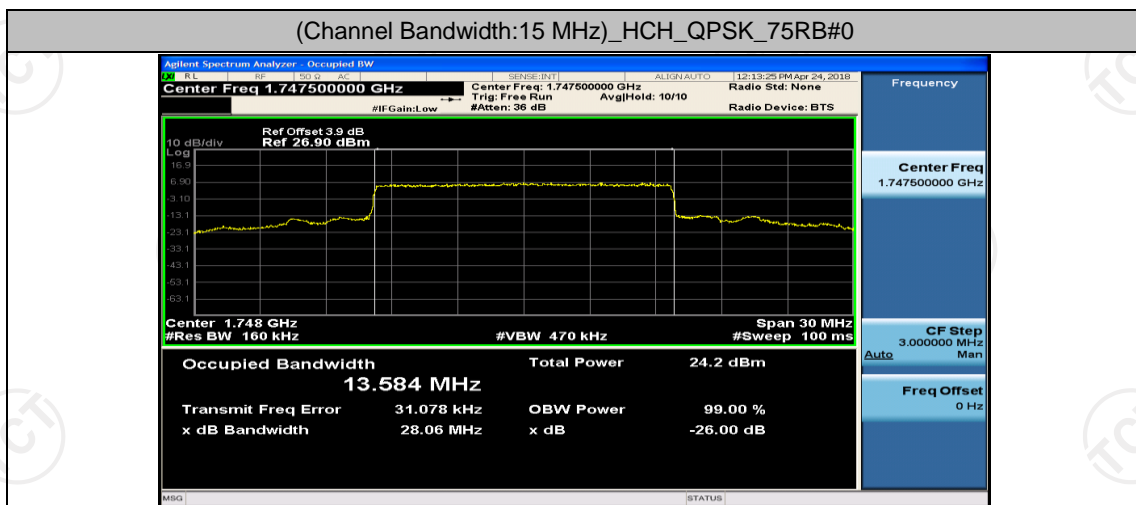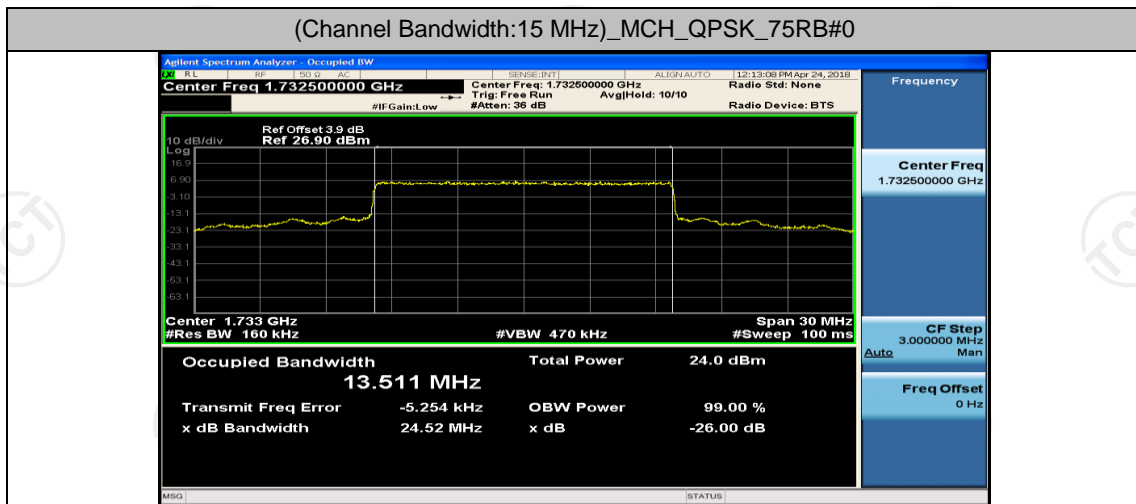| Channel Bandwidth: 10 MHz_LCH_16QAM_50RB#0 |
|---|

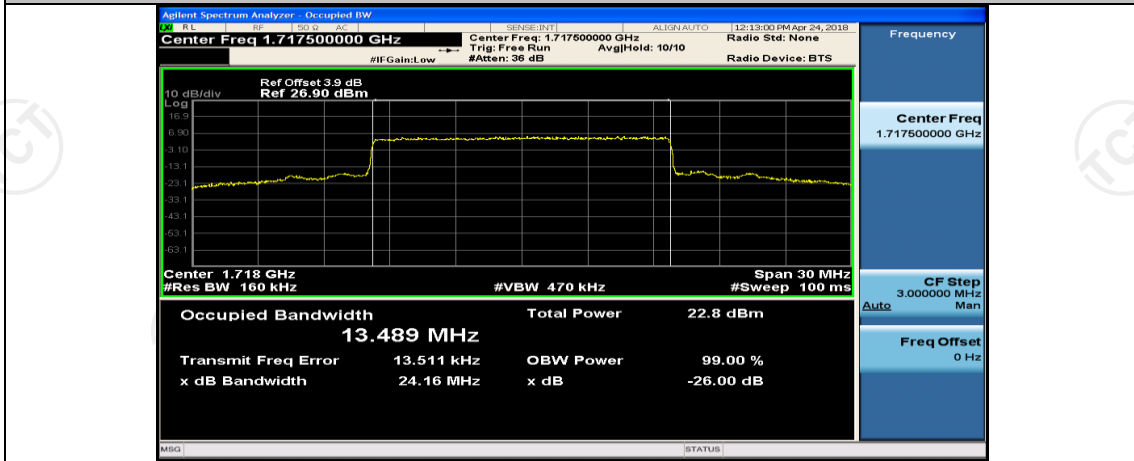| Channel Bandwidth: 10 MHz_MCH_16QAM_50RB#0 |
|---|

Channel Bandwidth: 10 MHz_HCH_16QAM_50RB#0

Channel Bandwidth: 15 MHz

(Channel Bandwidth:15 MHz)_LCH_QPSK_75RB#0

(Channel Bandwidth:15 MHz)_MCH_QPSK_75RB#0

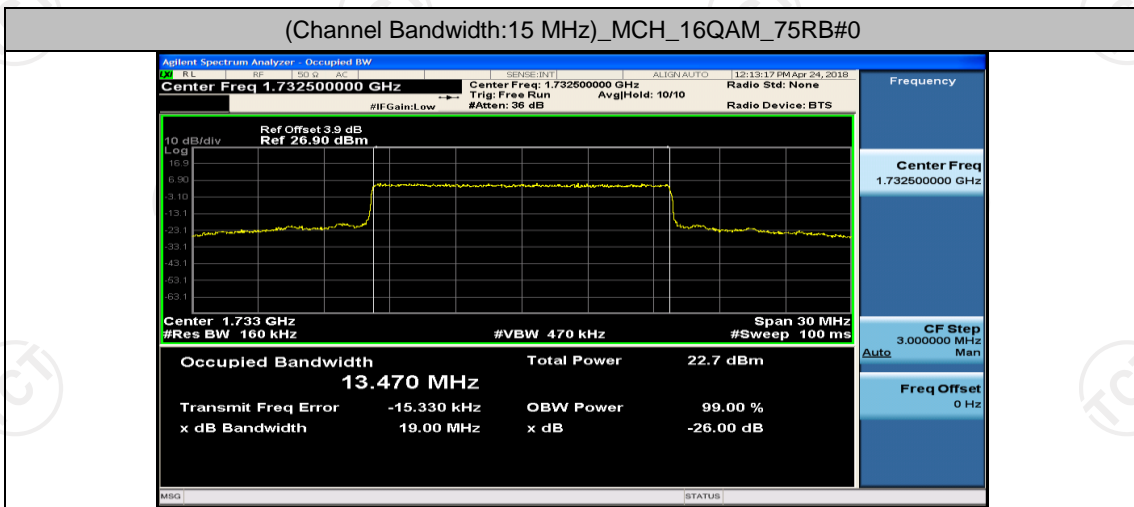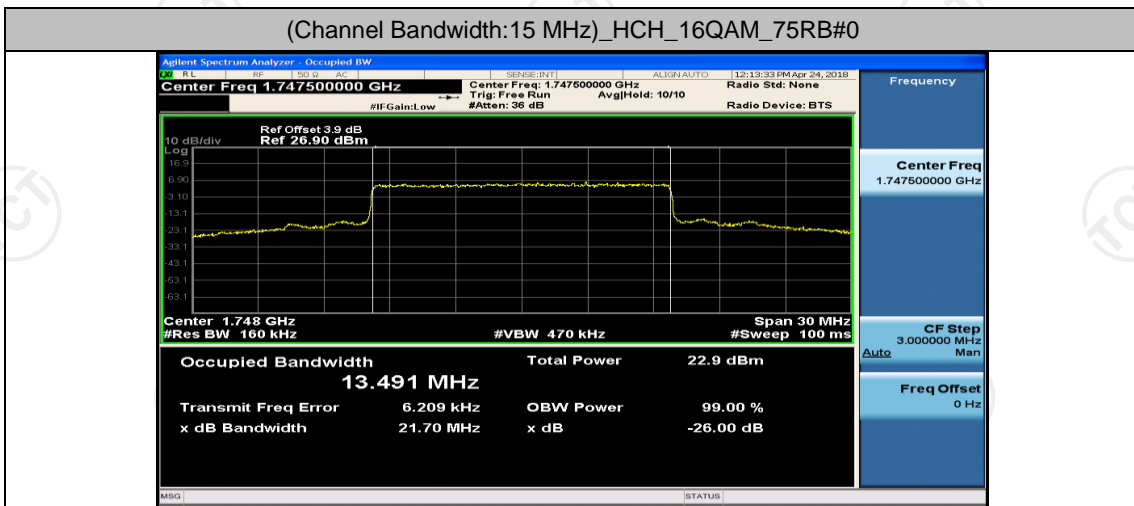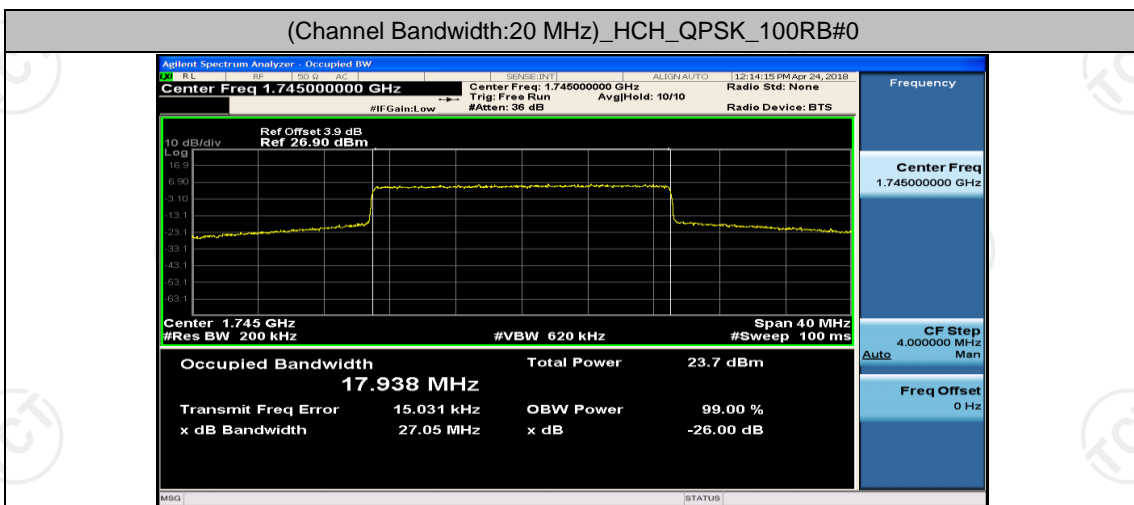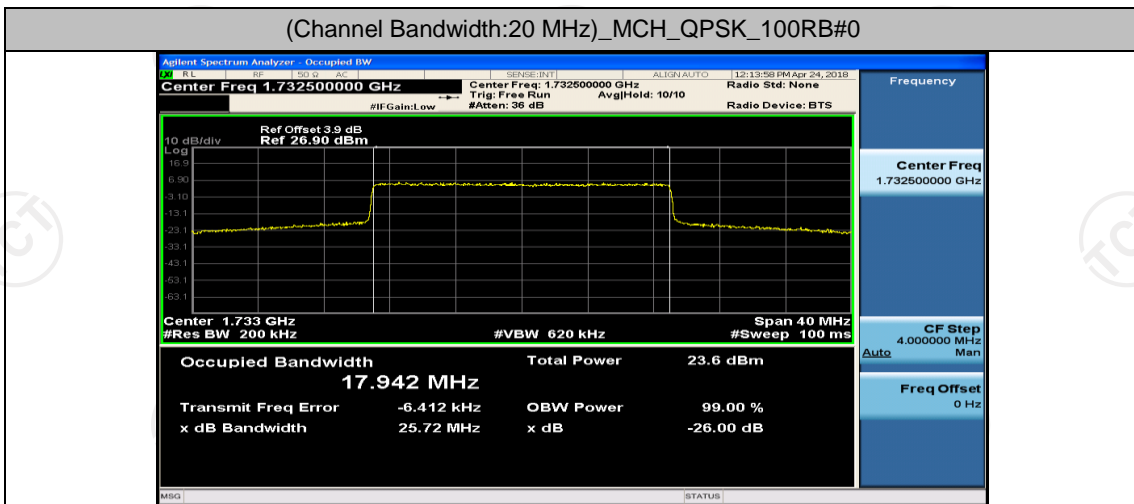| (Channel Bandwidth:15 MHz)_HCH_QPSK_75RB#0 |
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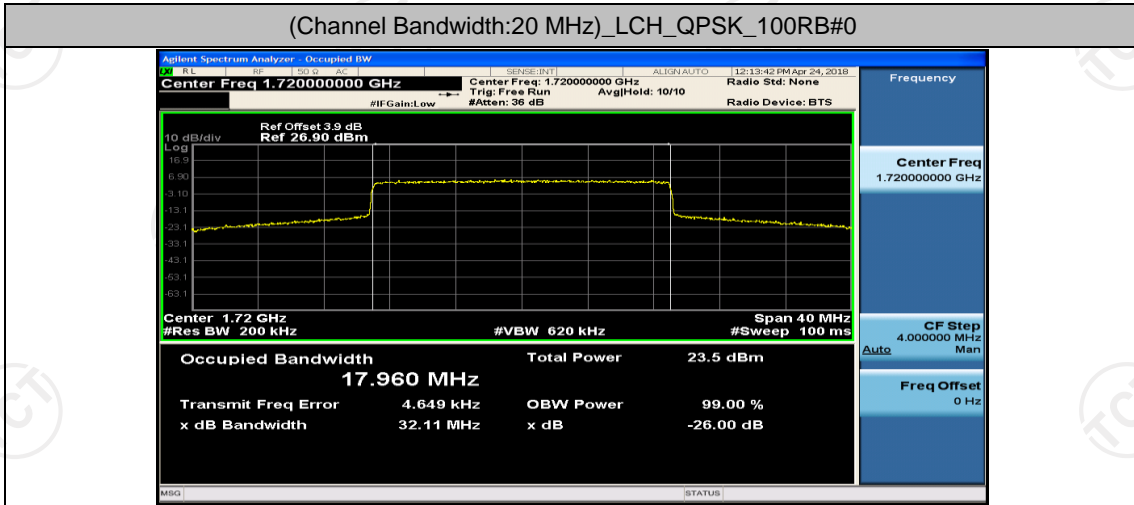| (Channel Bandwidth:15 MHz)_LCH_16QAM_75RB#0 |
|---|

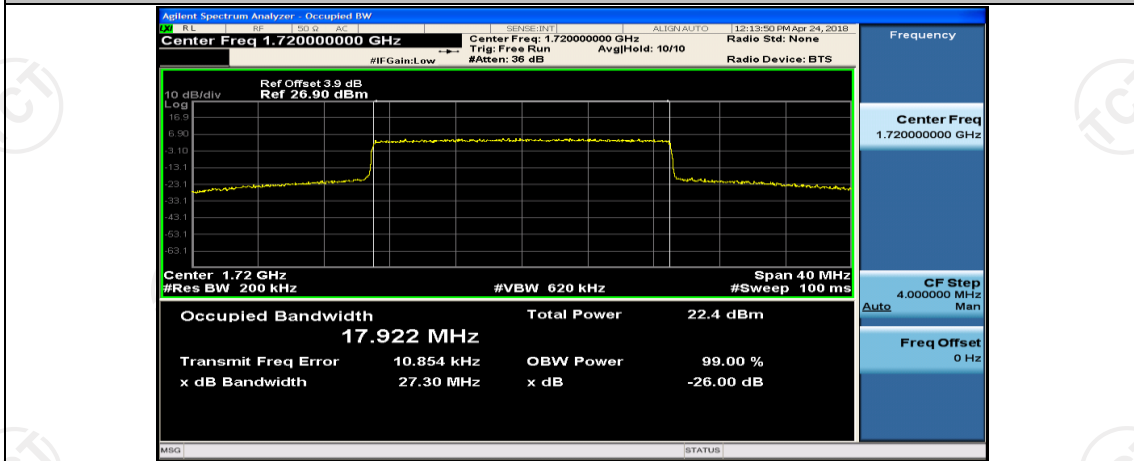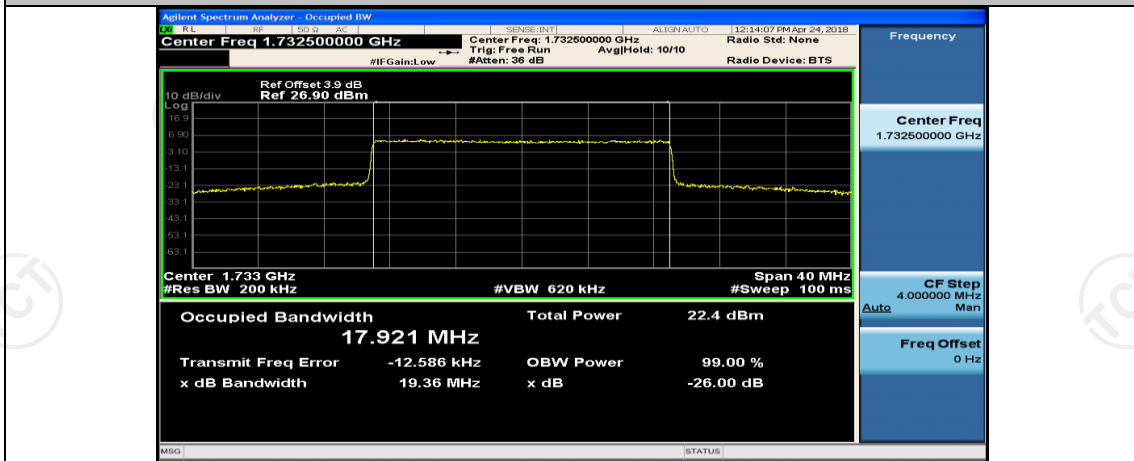| (Channel Bandwidth:15 MHz)_MCH_16QAM_75RB#0 |
|---|

(Channel Bandwidth:15 MHz)_HCH_16QAM_75RB#0

Channel Bandwidth: 20 MHz

(Channel Bandwidth:20 MHz)_LCH_QPSK_100RB#0

(Channel Bandwidth:20 MHz)_MCH_QPSK_100RB#0

(Channel Bandwidth:20 MHz)_HCH_QPSK_100RB#0

(Channel Bandwidth:20 MHz)_LCH_16QAM_100RB#0

(Channel Bandwidth:20 MHz)_MCH_16QAM_100RB#0

(Channel Bandwidth:20 MHz)_HCH_16QAM_100RB#0