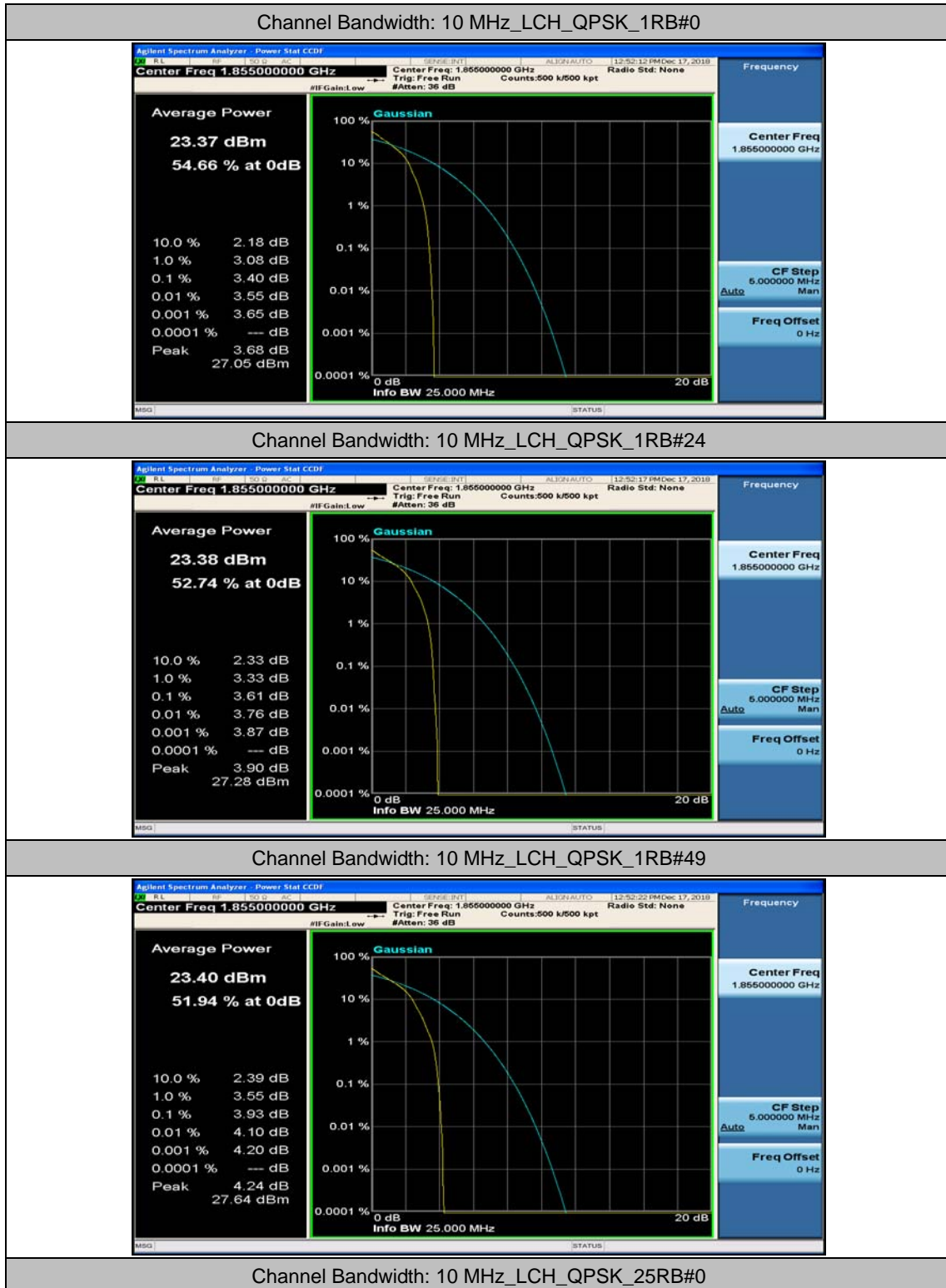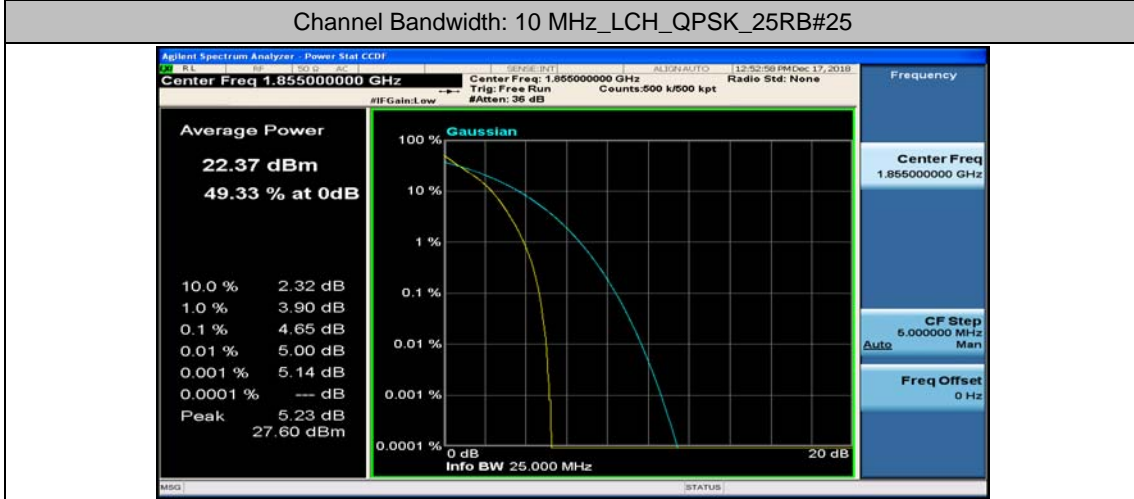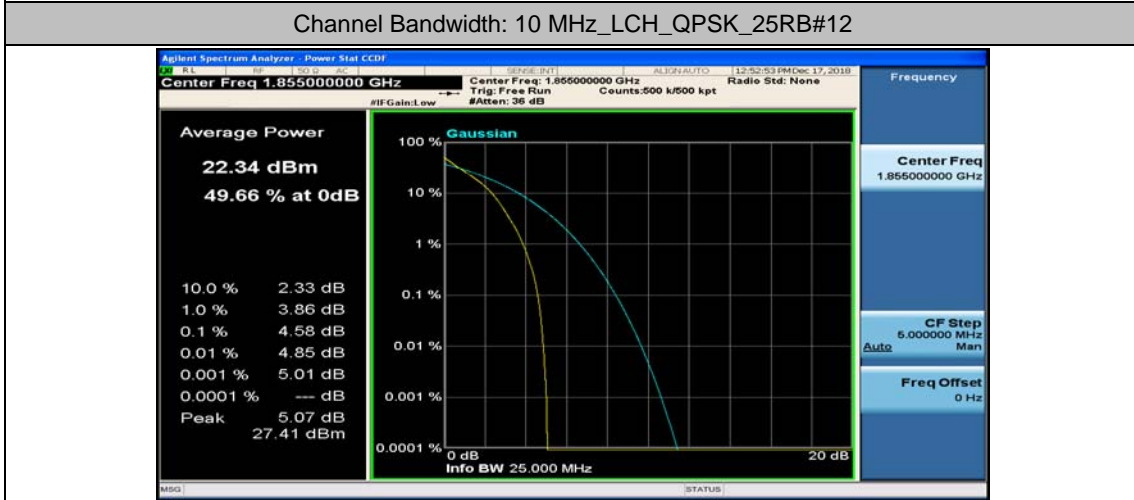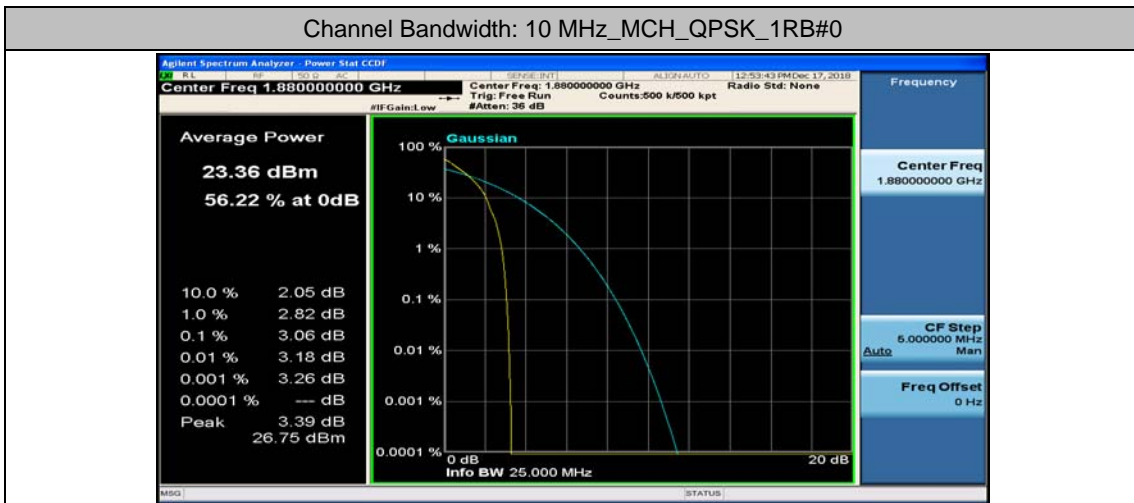## Channel Bandwidth: 10 MHz

Channel Bandwidth: 10 MHz_LCH_QPSK_1RB#0
Channel Bandwidth: 10 MHz_LCH_QPSK_1RB#24
Channel Bandwidth: 10 MHz_LCH_QPSK_1RB#49
Channel Bandwidth: 10 MHz_LCH_QPSK_25RB#0

Channel Bandwidth: 10 MHz_LCH_QPSK_25RB#12

Channel Bandwidth: 10 MHz_LCH_QPSK_25RB#25

Channel Bandwidth: 10 MHz_LCH_QPSK_50RB#0

Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#0

Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#24

Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#49

| Channel Bandwidth: 10 MHz_MCH_QPSK_25RB#0 |

| Channel Bandwidth: 10 MHz_MCH_QPSK_25RB#12 |

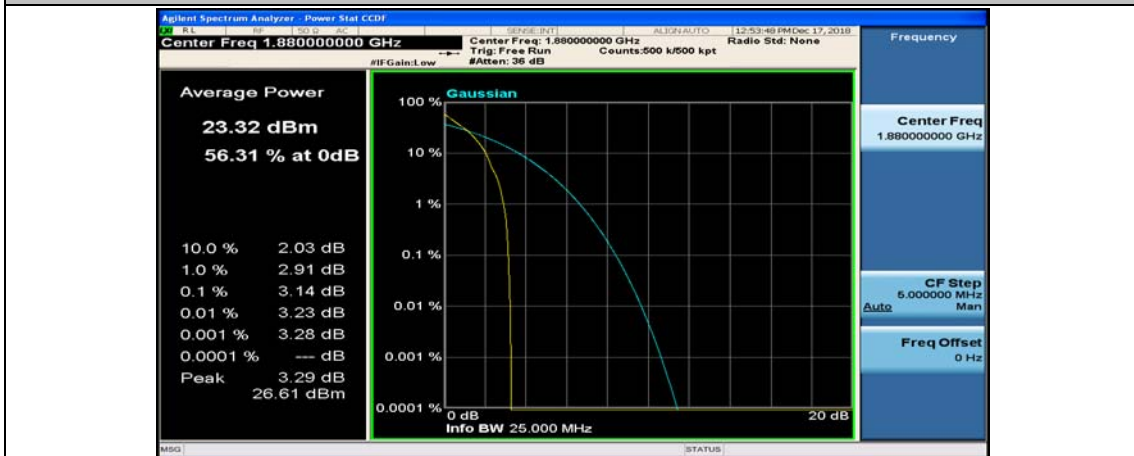

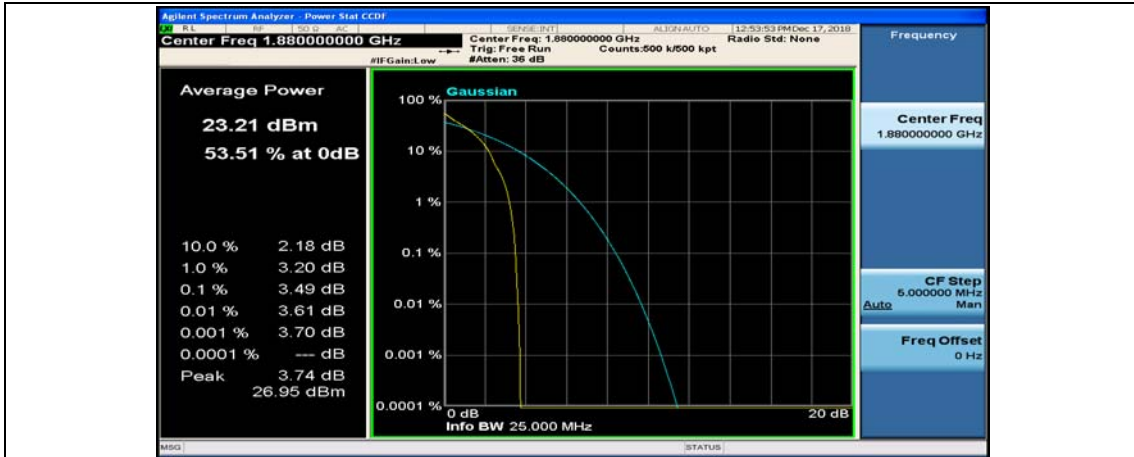| Channel Bandwidth: 10 MHz_MCH_QPSK_25RB#25 |

| Channel Bandwidth: 10 MHz_MCH_QPSK_50RB#0 |

| Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#0 |

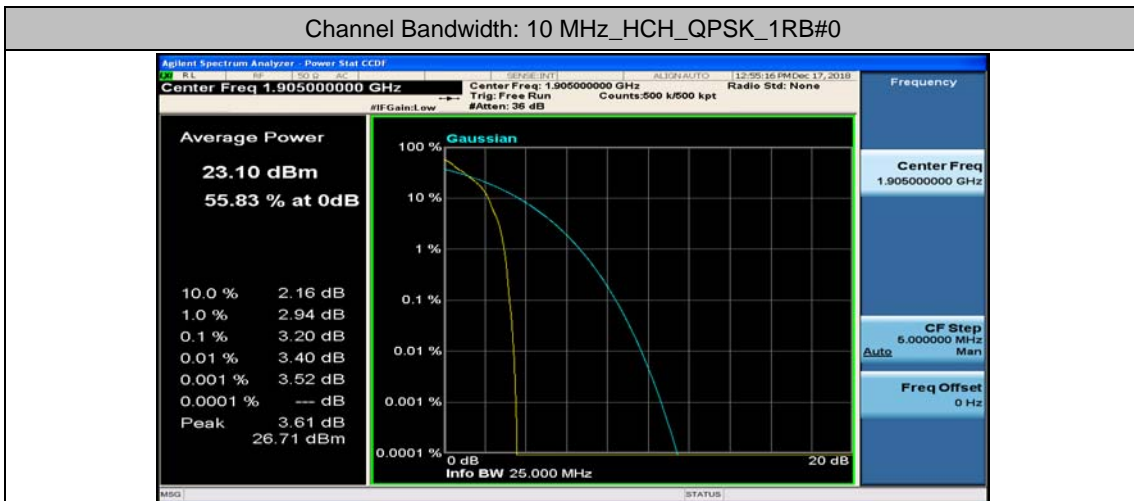| Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#24 |
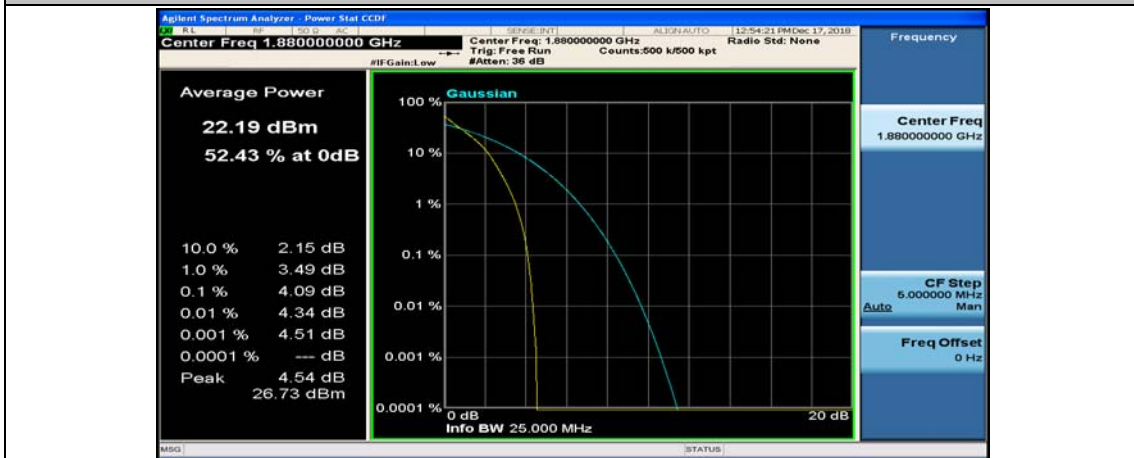
Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#49

Channel Bandwidth: 10 MHz_HCH_QPSK_25RB#0

Channel Bandwidth: 10 MHz_HCH_QPSK_25RB#12

Channel Bandwidth: 10 MHz_HCH_QPSK_25RB#25

Channel Bandwidth: 10 MHz_HCH_QPSK_50RB#0

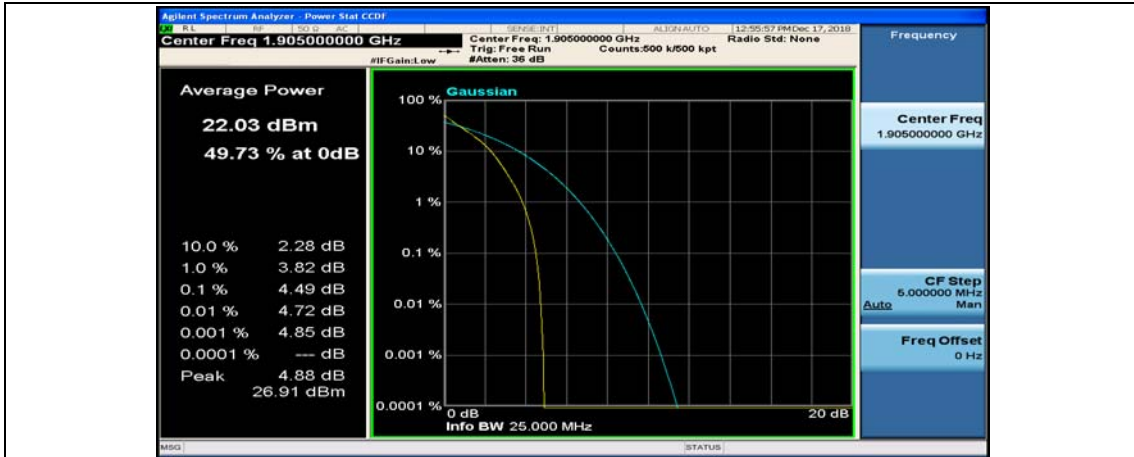| Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#0 |
| :---: |
| |
| Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#24 |
| |
| Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#49 |
| |
| Channel Bandwidth: 10 MHz_LCH_16QAM_25RB#0 |

Channel Bandwidth: 10 MHz_LCH_16QAM_25RB#12

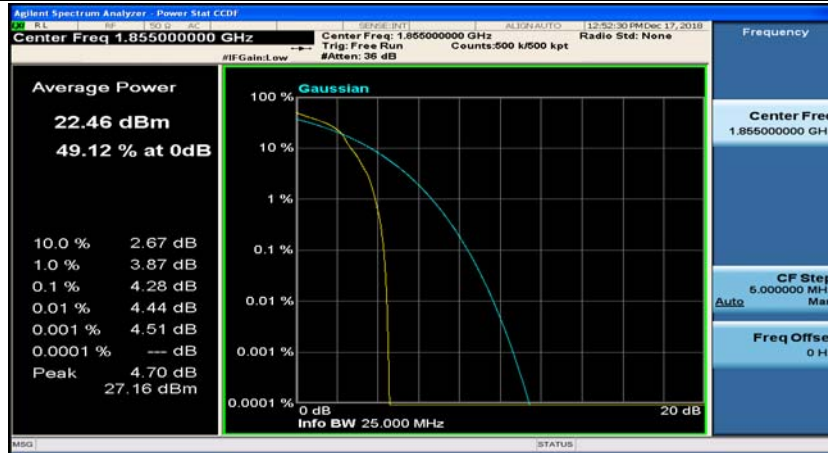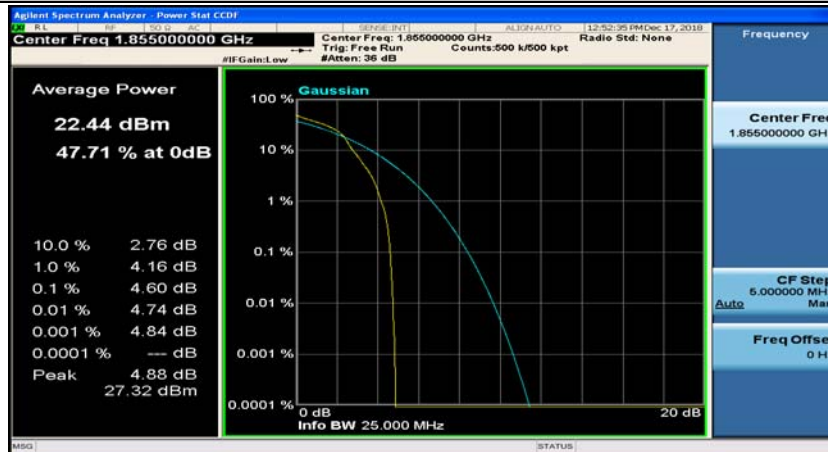Channel Bandwidth: 10 MHz_LCH_16QAM_25RB#25

Channel Bandwidth: 10 MHz_LCH_16QAM_50RB#0

Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#0

Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#24

Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#49

Channel Bandwidth: 10 MHz_MCH_16QAM_25RB#0

Channel Bandwidth: 10 MHz_MCH_16QAM_25RB#12

Channel Bandwidth: 10 MHz_MCH_16QAM_25RB#25

Channel Bandwidth: 10 MHz_MCH_16QAM_50RB#0

Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#0
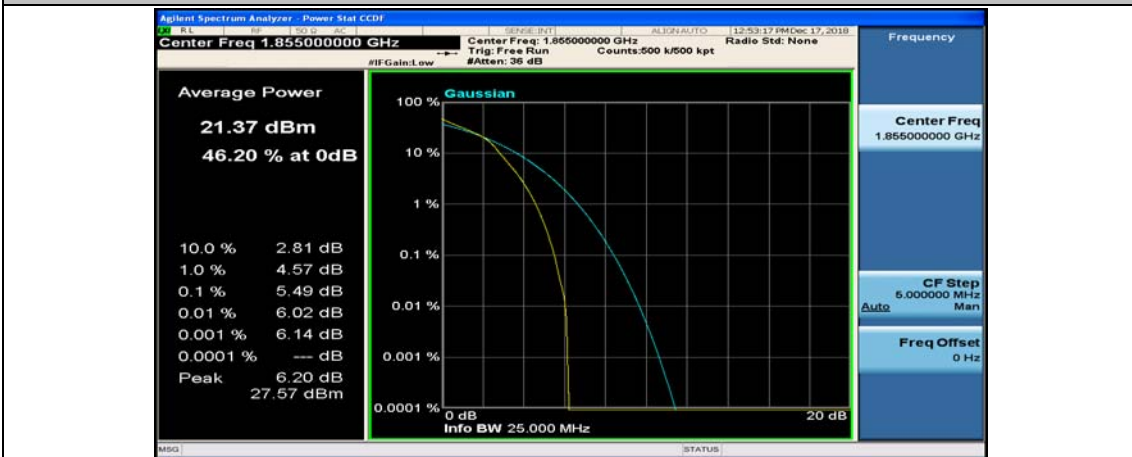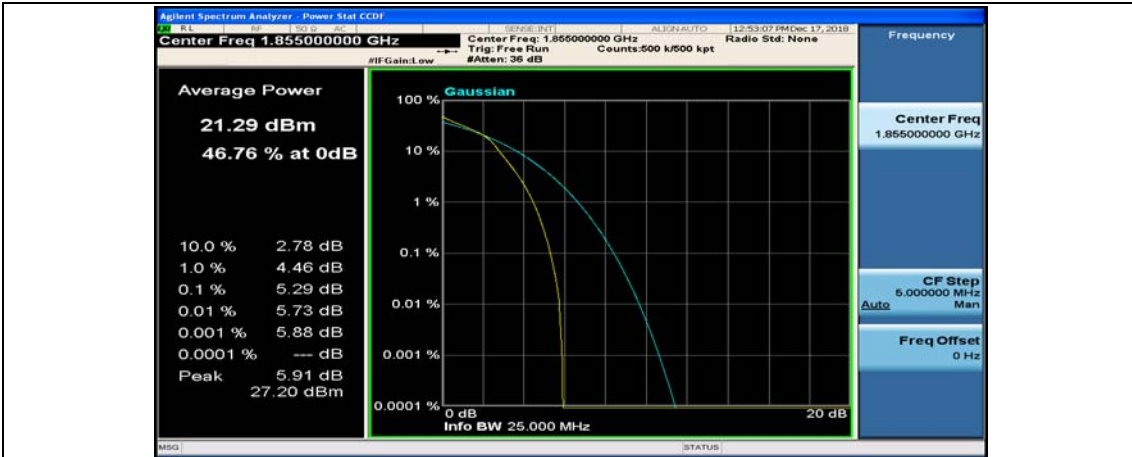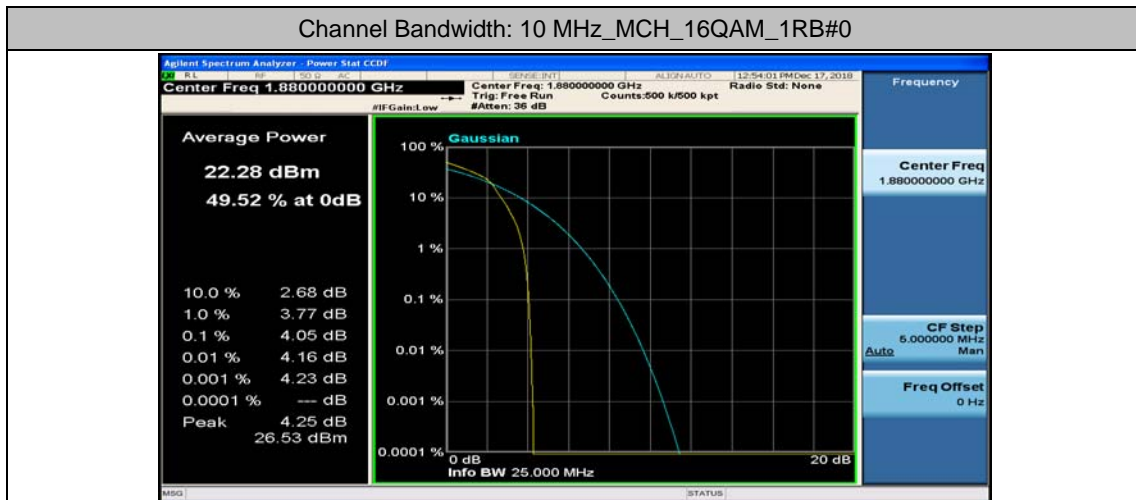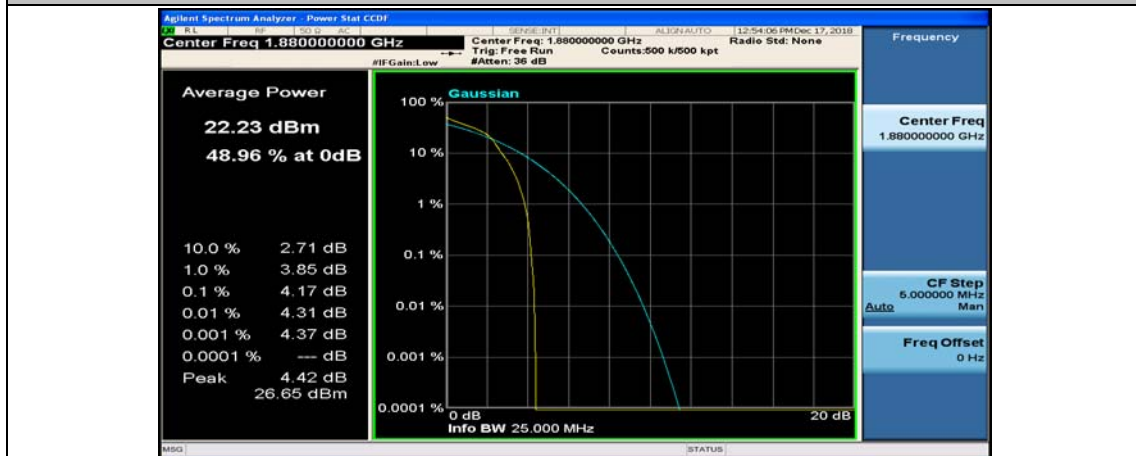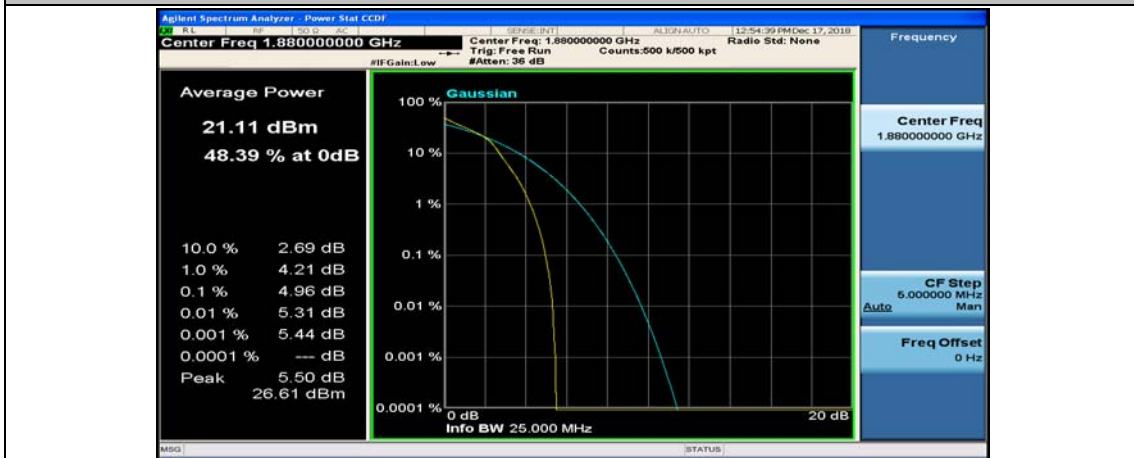

Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#24
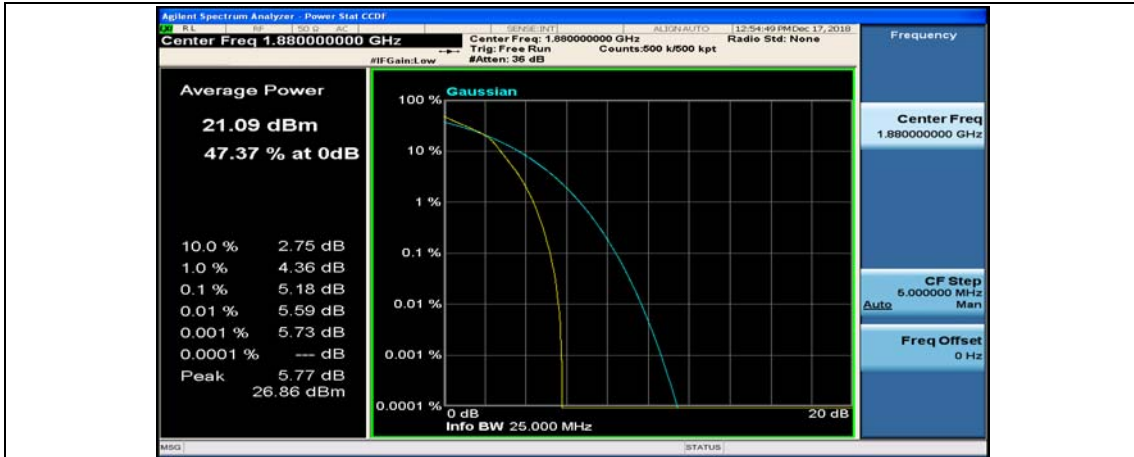
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Channel Bandwidth: 10 MHz_HCH_16QAM_25RB#0
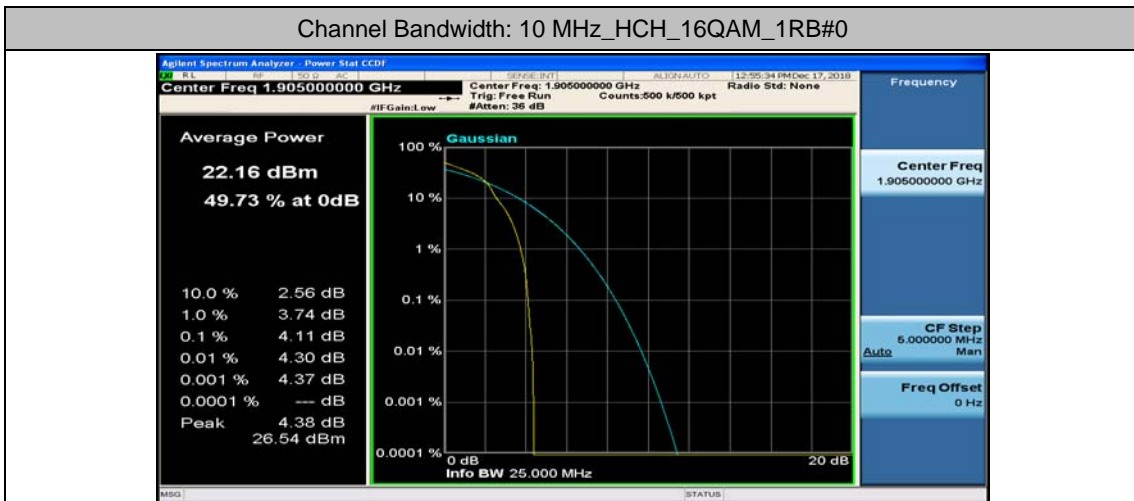

Channel Bandwidth: 10 MHz_HCH_16QAM_25RB#12

Channel Bandwidth: 10 MHz_HCH_16QAM_25RB#25

Channel Bandwidth: 10 MHz_HCH_16QAM_50RB#0

Channel Bandwidth: 15 MHz

(Channel Bandwidth:15 MHz)_LCH_QPSK_1RB#0
(Channel Bandwidth:15 MHz)_LCH_QPSK_1RB#37
(Channel Bandwidth:15 MHz)_LCH_QPSK_1RB#74
(Channel Bandwidth:15 MHz)_LCH_QPSK_37RB#0
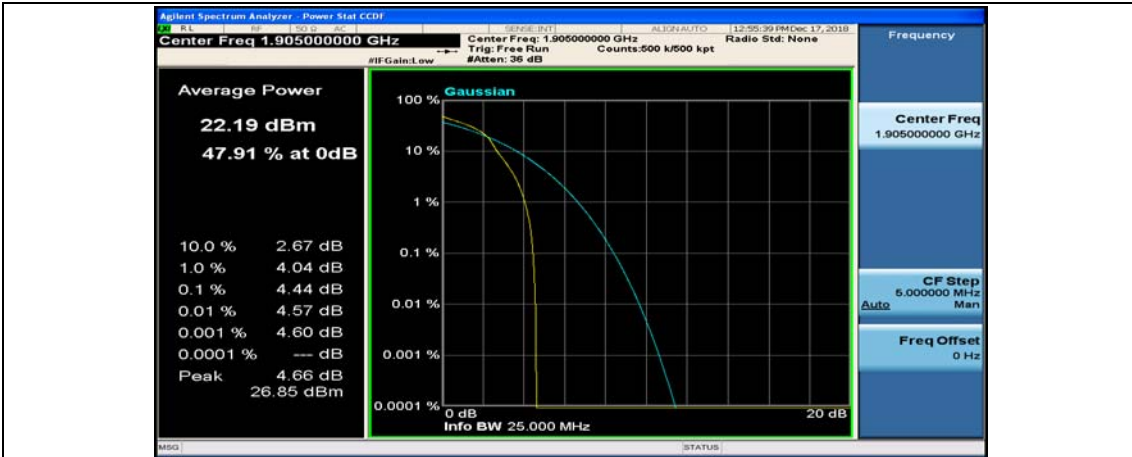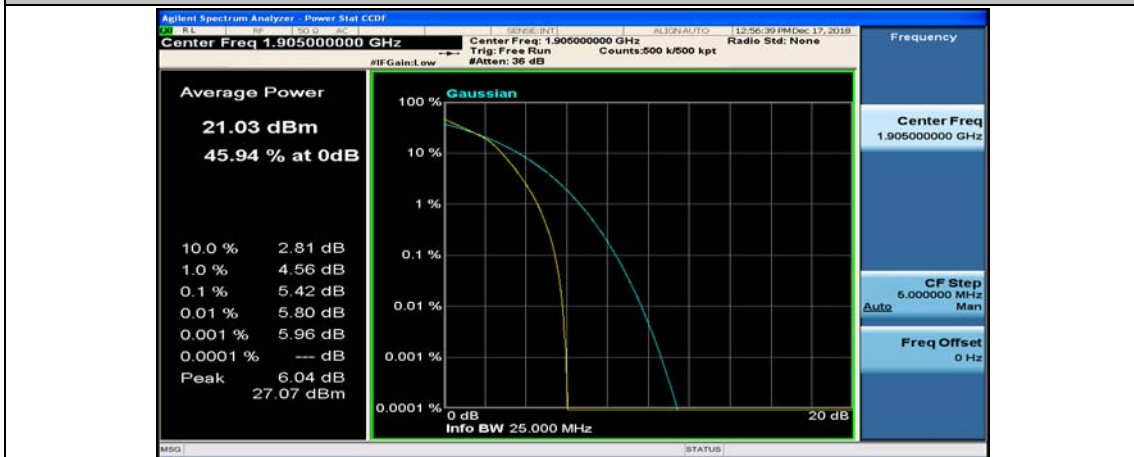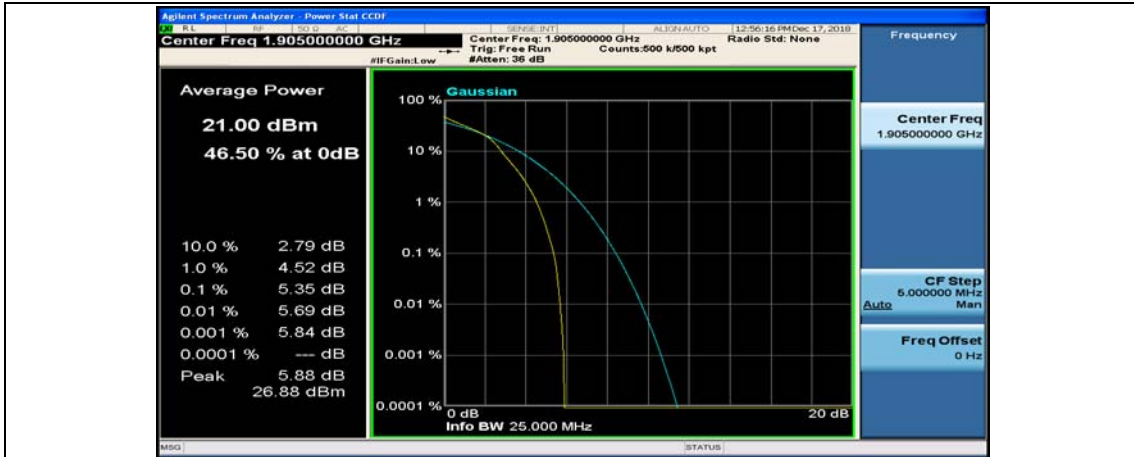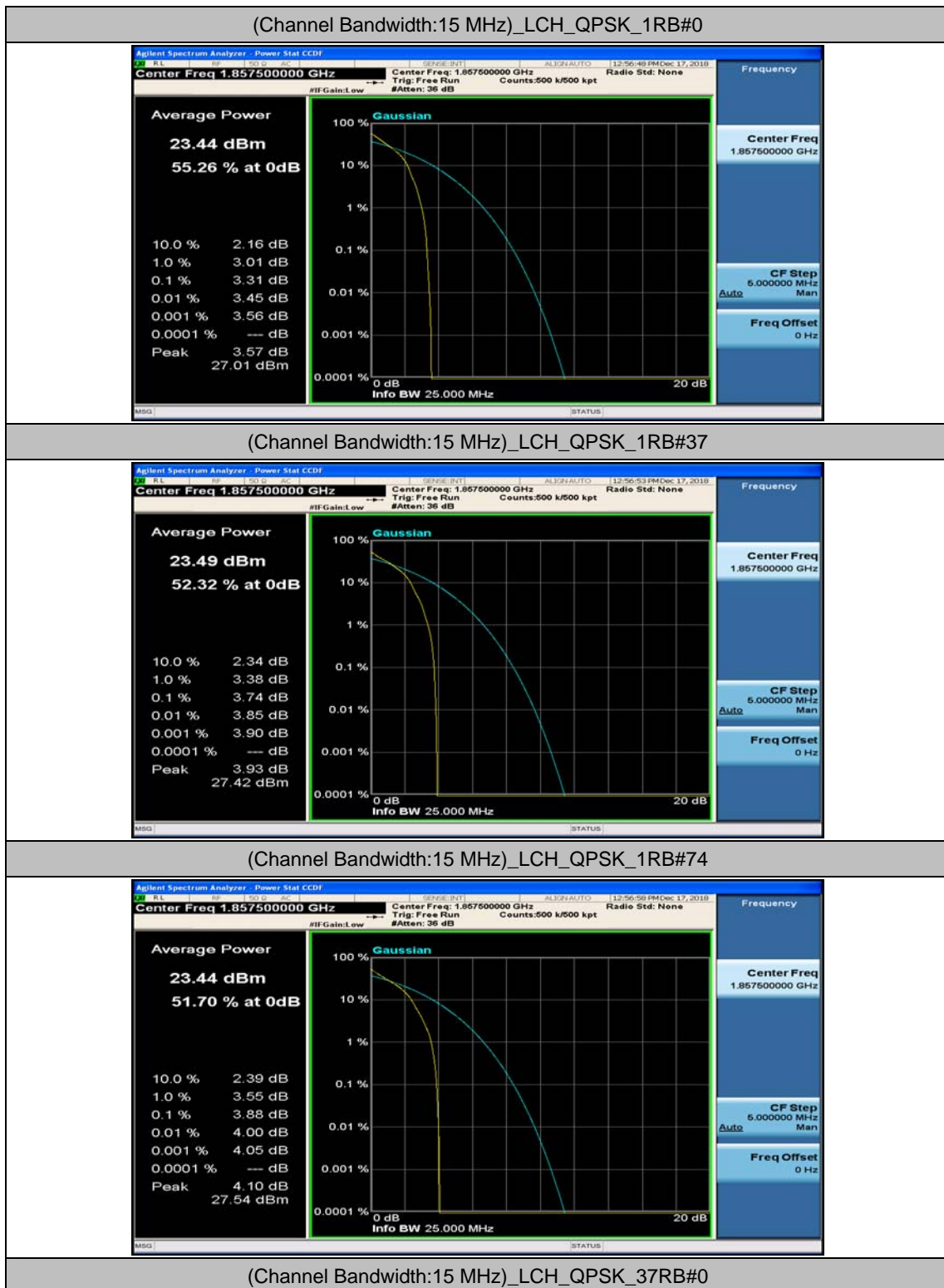
(Channel Bandwidth:15 MHz)_LCH_QPSK_37RB#18

(Channel Bandwidth:15 MHz)_LCH_QPSK_37RB#38

(Channel Bandwidth:15 MHz)_LCH_QPSK_75RB#0

(Channel Bandwidth:15 MHz)_MCH_QPSK_1RB#0

(Channel Bandwidth:15 MHz)_MCH_QPSK_1RB#37

(Channel Bandwidth:15 MHz)_MCH_QPSK_1RB#74

(Channel Bandwidth:15 MHz)_MCH_QPSK_37RB#0

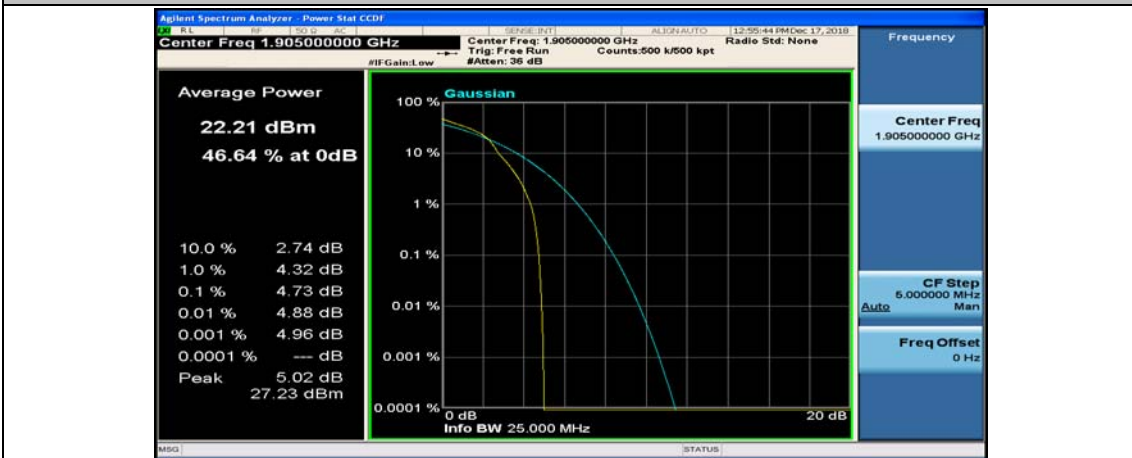(Channel Bandwidth:15 MHz)_MCH_QPSK_37RB#18

(Channel Bandwidth:15 MHz)_MCH_QPSK_37RB#38

(Channel Bandwidth:15 MHz)_MCH_QPSK_75RB#0

(Channel Bandwidth:15 MHz)_HCH_QPSK_1RB#0

(Channel Bandwidth:15 MHz)_HCH_QPSK_1RB#37

(Channel Bandwidth:15 MHz)_HCH_QPSK_1RB#74

(Channel Bandwidth:15 MHz)_HCH_QPSK_37RB#0

(Channel Bandwidth:15 MHz)_HCH_QPSK_37RB#18

(Channel Bandwidth:15 MHz)_HCH_QPSK_37RB#38

(Channel Bandwidth:15 MHz)_HCH_QPSK_75RB#0

(Channel Bandwidth:15 MHz)_LCH_16QAM_1RB#0

(Channel Bandwidth:15 MHz)_LCH_16QAM_1RB#37

(Channel Bandwidth:15 MHz)_LCH_16QAM_1RB#74

(Channel Bandwidth:15 MHz)_LCH_16QAM_37RB#0
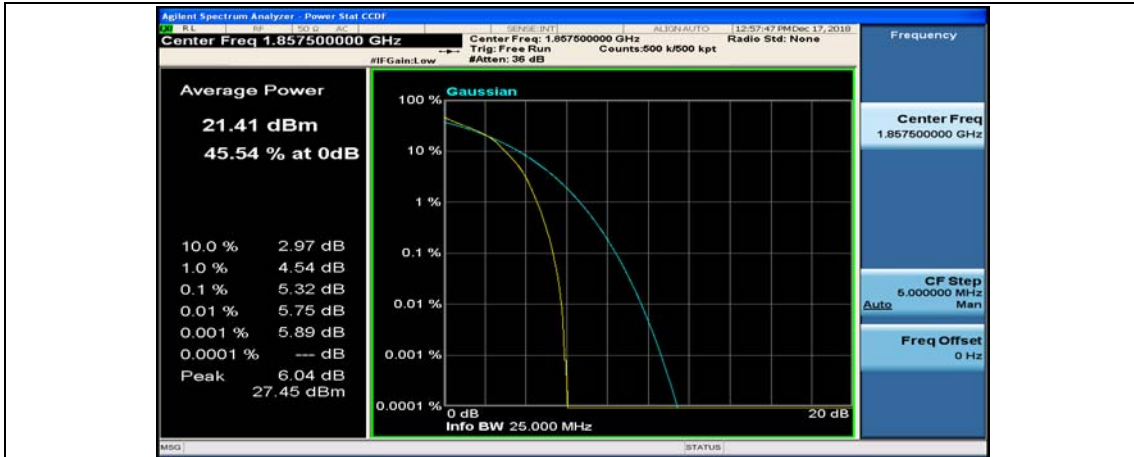
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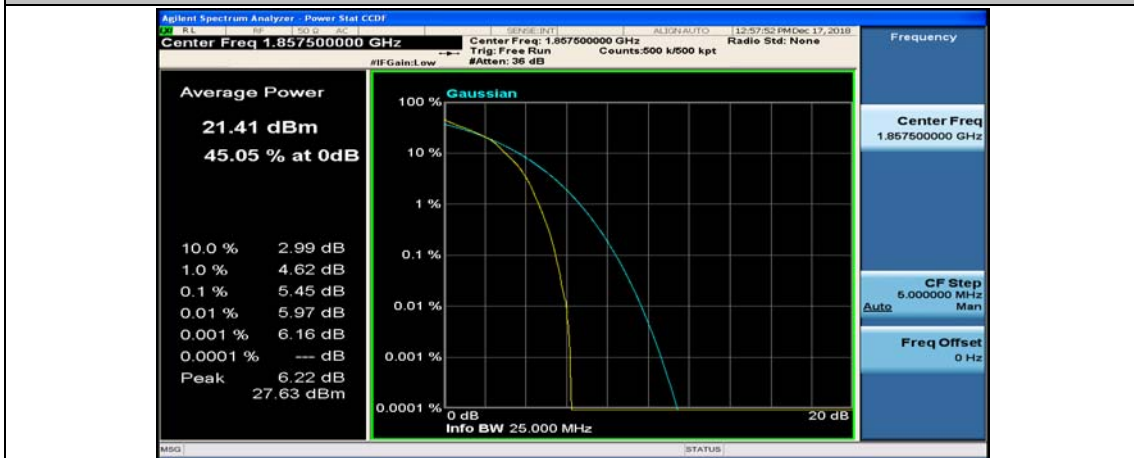
(Channel Bandwidth:15 MHz)_LCH_16QAM_37RB#38

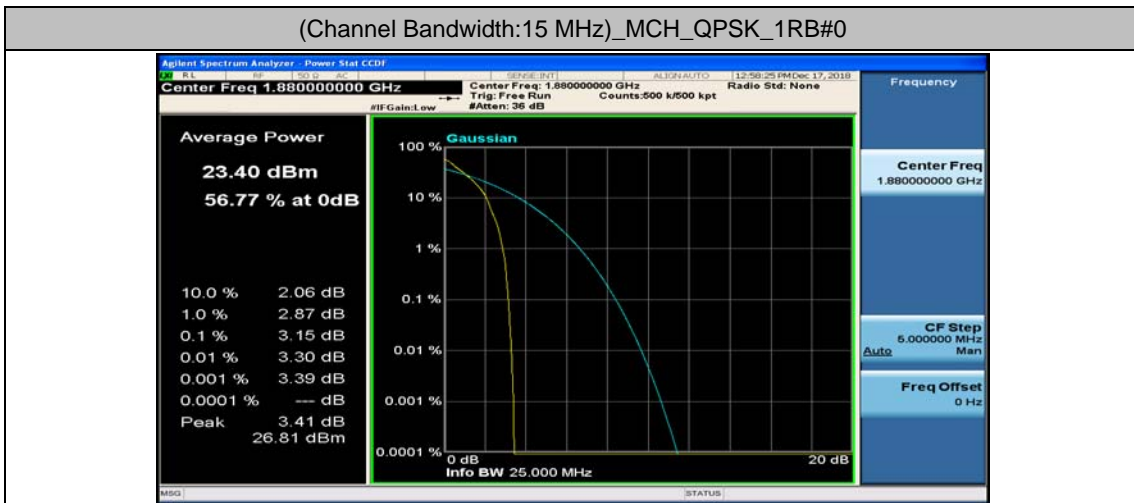(Channel Bandwidth:15 MHz)_LCH_16QAM_75RB#0

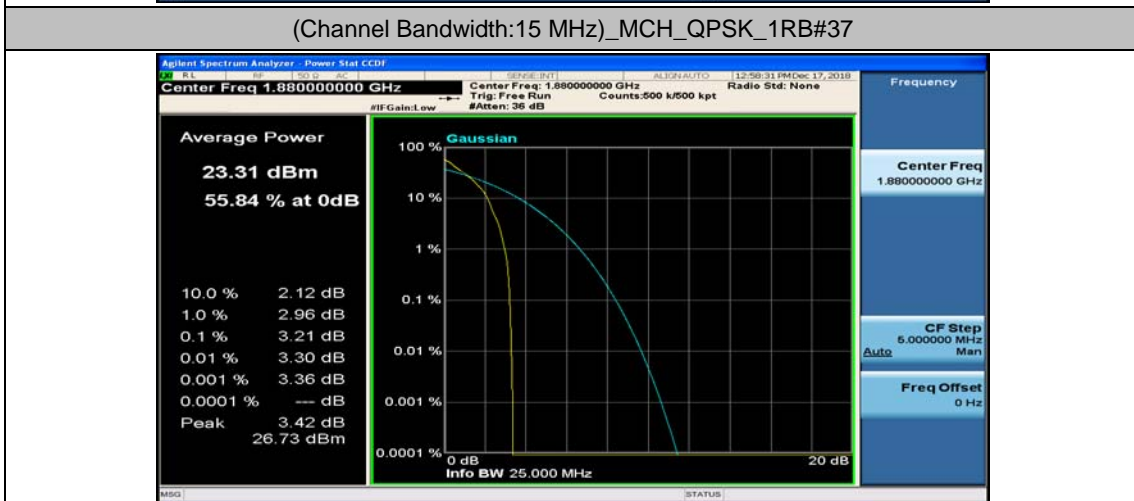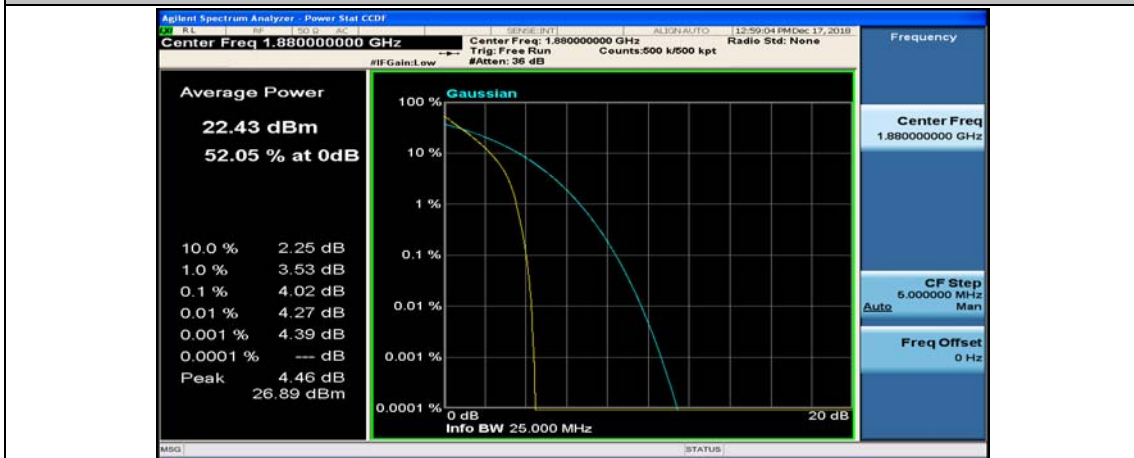(Channel Bandwidth:15 MHz)_MCH_16QAM_1RB#0
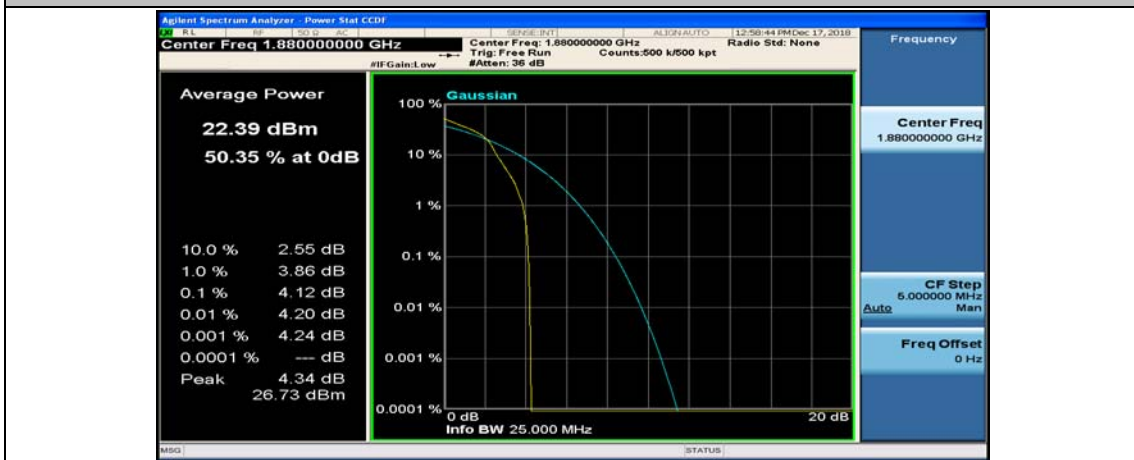
(Channel Bandwidth:15 MHz)_MCH_16QAM_1RB#37

(Channel Bandwidth:15 MHz)_MCH_16QAM_1RB#74
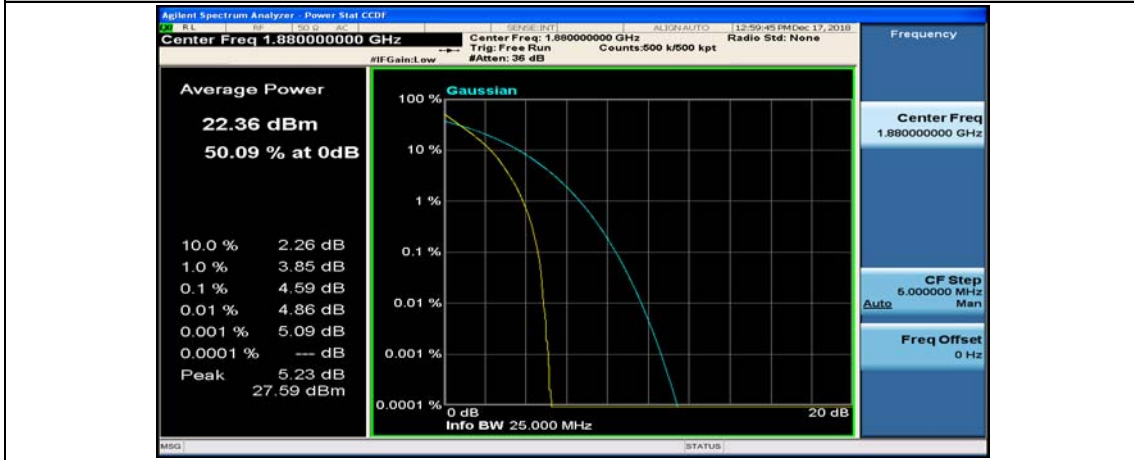
(Channel Bandwidth:15 MHz)_MCH_16QAM_37RB#0

(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
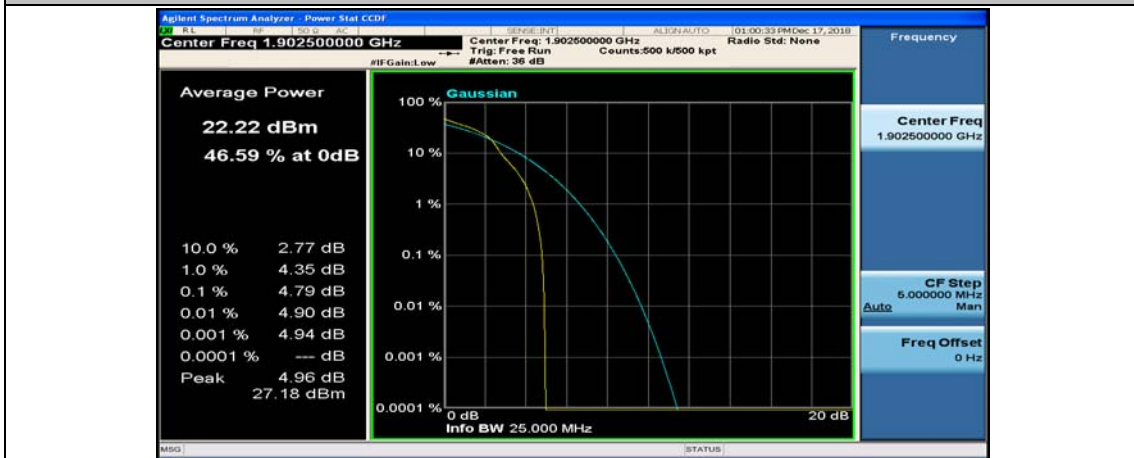
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(Channel Bandwidth:15 MHz)_HCH_16QAM_37RB#18
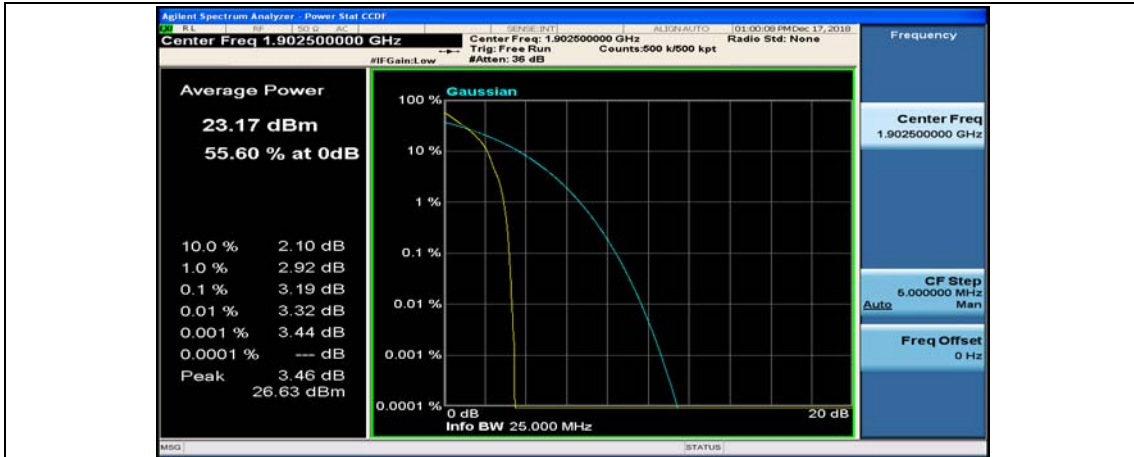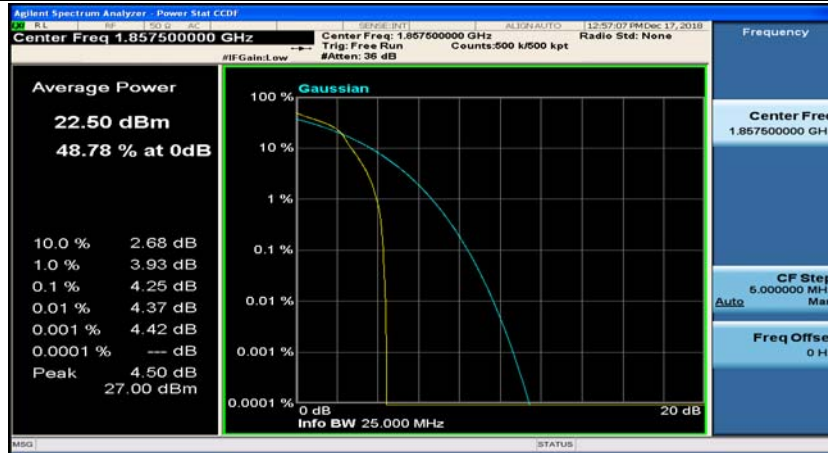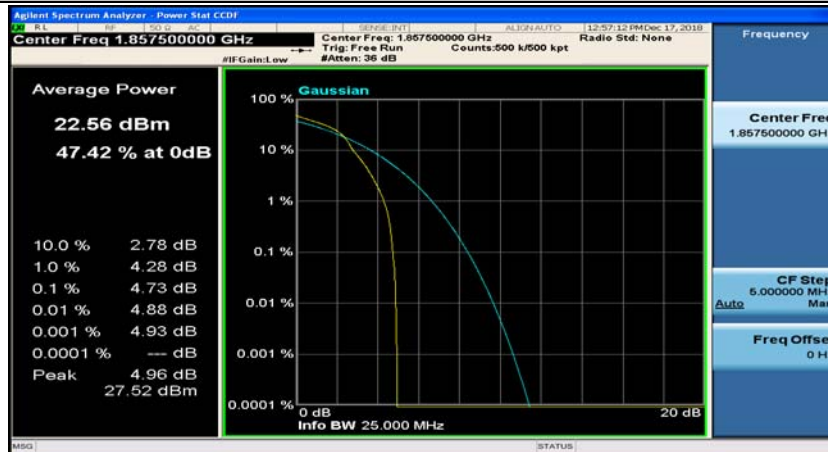
(Channel Bandwidth:15 MHz)_HCH_16QAM_37RB#38

(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

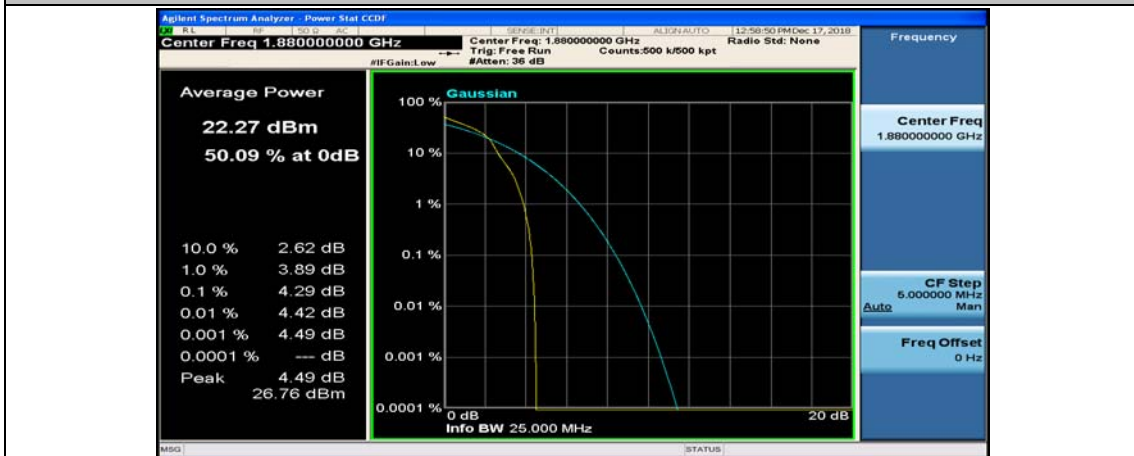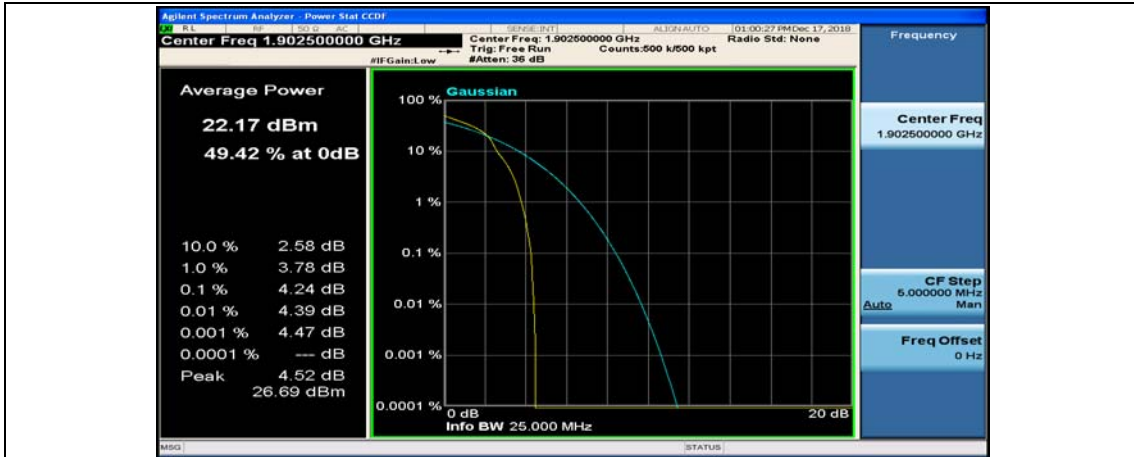| (Channel Bandwidth:20 MHz)_LCH_16QAM_1RB#0 |
|---|
| |
| (Channel Bandwidth:20 MHz)_LCH_16QAM_1RB#49 |
| |
| (Channel Bandwidth:20 MHz)_LCH_16QAM_1RB#99 |
| |
| (Channel Bandwidth:20 MHz)_LCH_16QAM_50RB#0 |
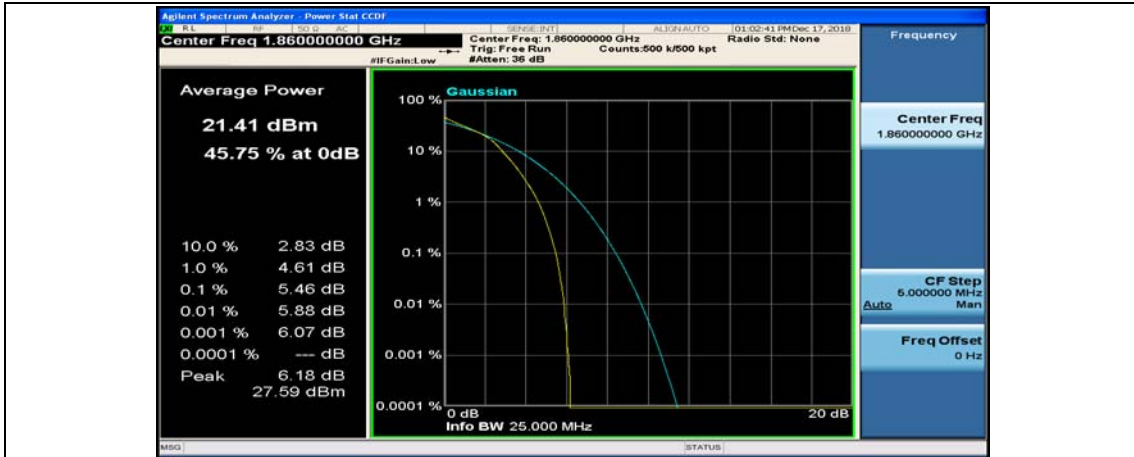
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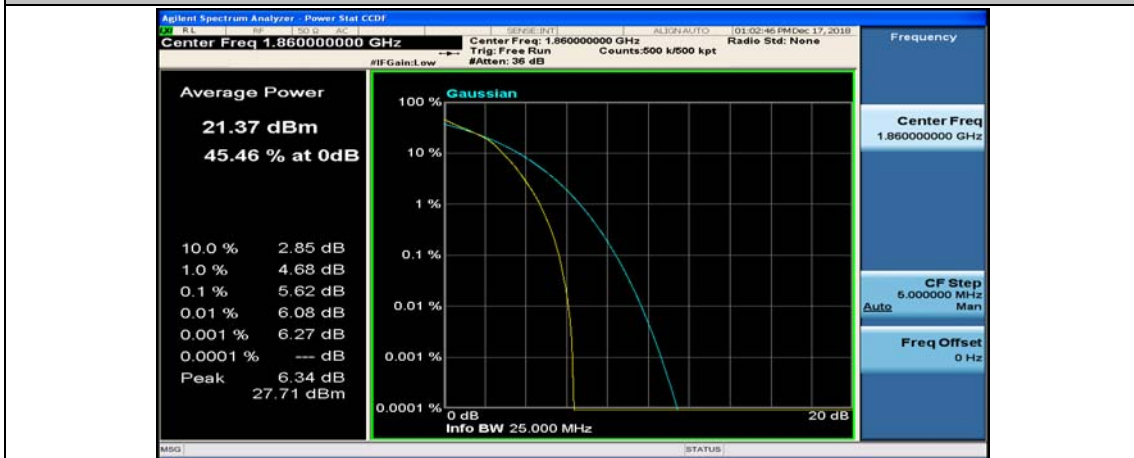
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(Channel Bandwidth:20 MHz)_LCH_16QAM_100RB#0

(Channel Bandwidth:20 MHz)_MCH_16QAM_1RB#0
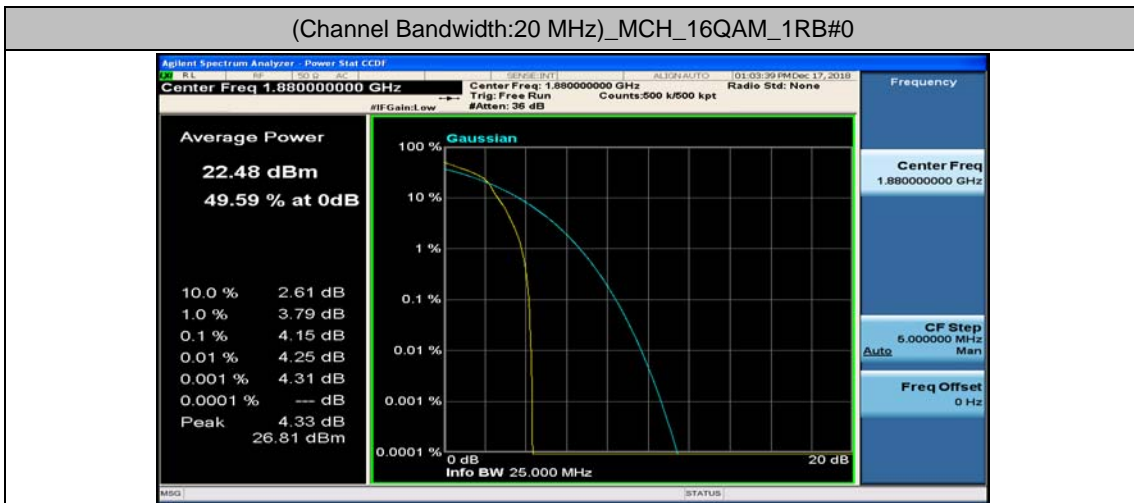
(Channel Bandwidth:20 MHz)_MCH_16QAM_1RB#49
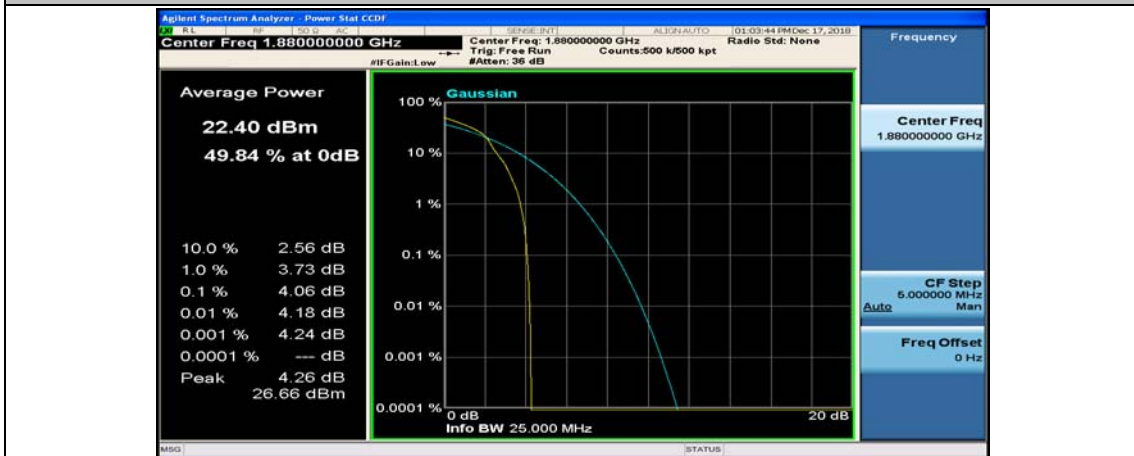
(Channel Bandwidth:20 MHz)_MCH_16QAM_1RB#99

(Channel Bandwidth:20 MHz)_MCH_16QAM_50RB#0
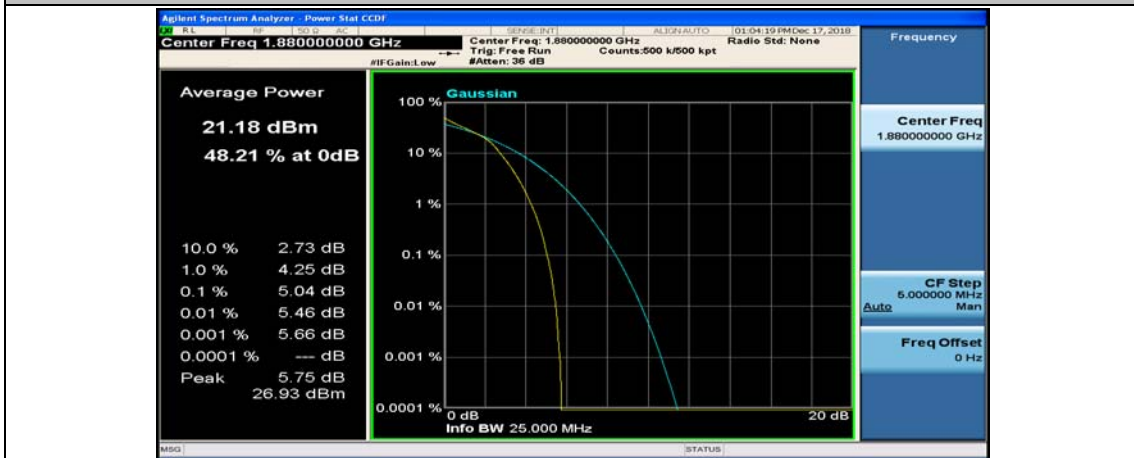
(Channel Bandwidth:20 MHz)_MCH_16QAM_50RB#25

(Channel Bandwidth:20 MHz)_MCH_16QAM_50RB#50

(Channel Bandwidth:20 MHz)_MCH_16QAM_100RB#0

(Channel Bandwidth:20 MHz)_HCH_16QAM_1RB#0
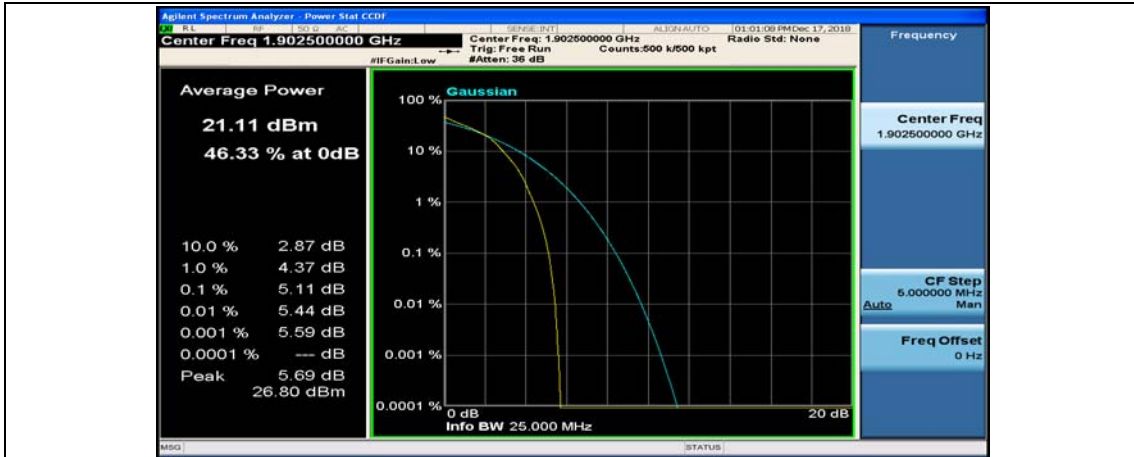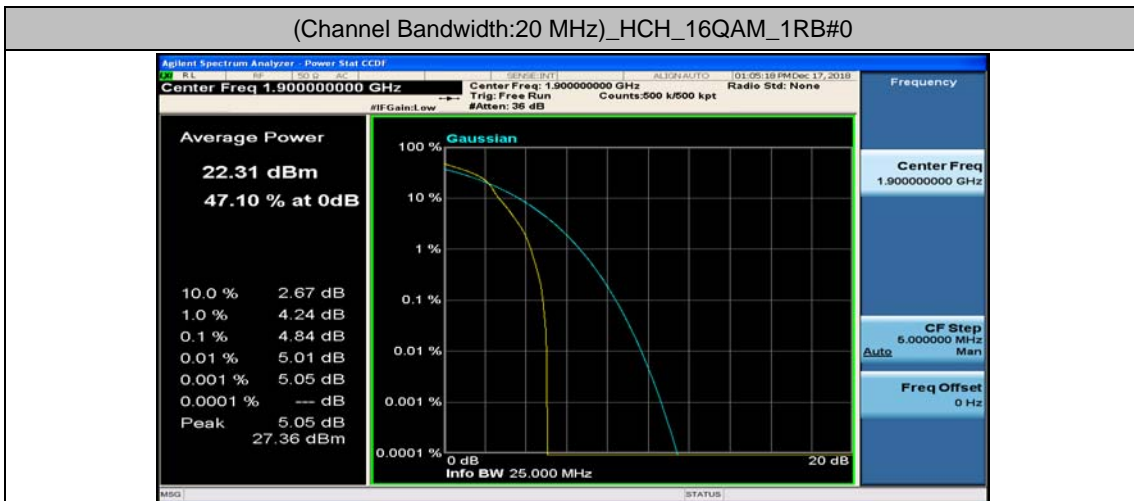

(Channel Bandwidth:20 MHz)_HCH_16QAM_1RB#49
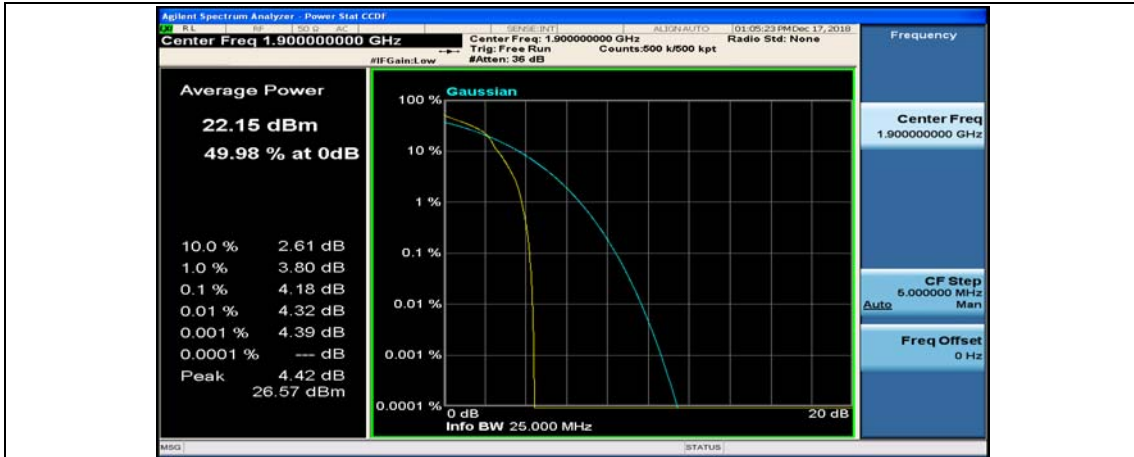
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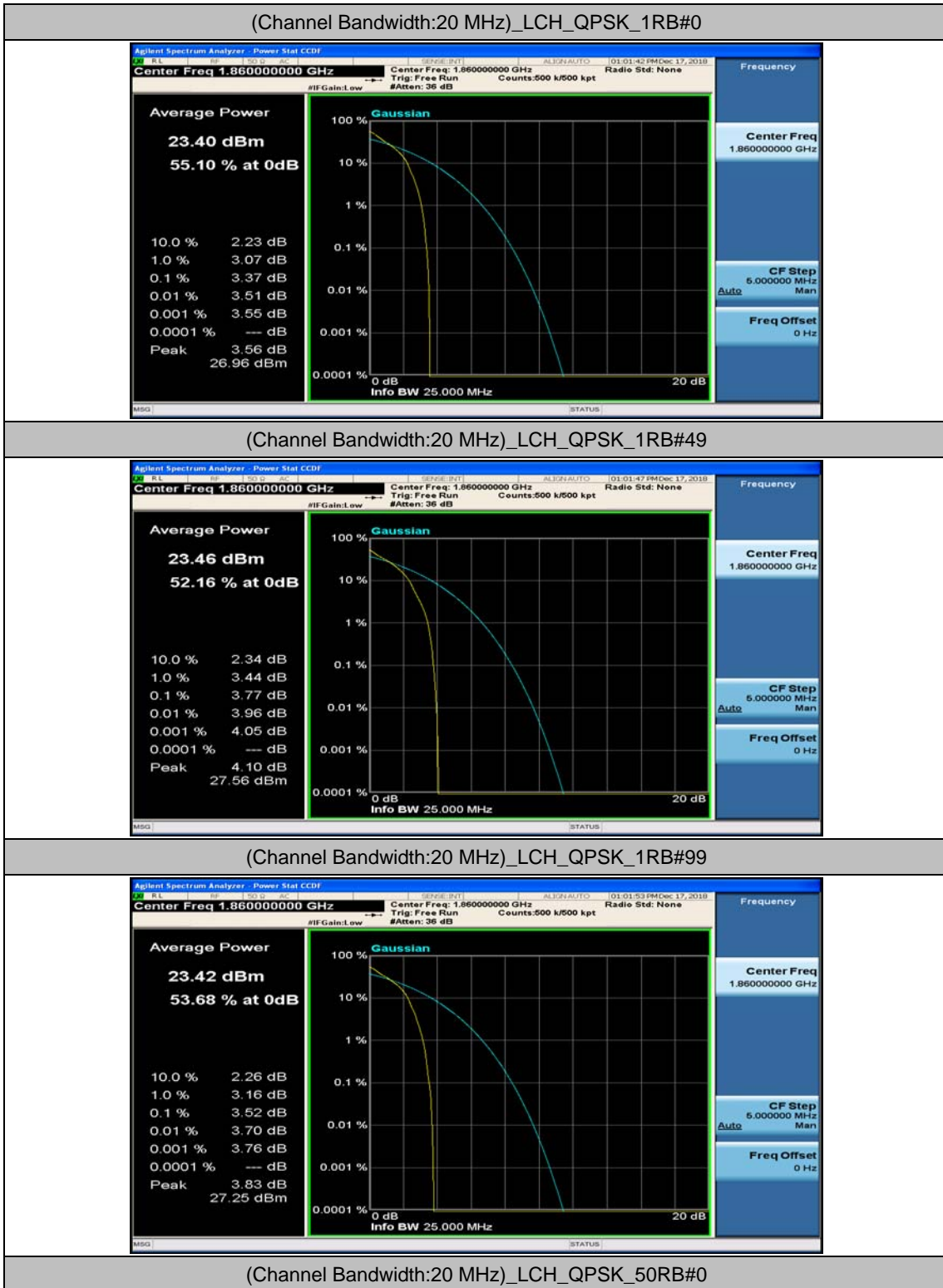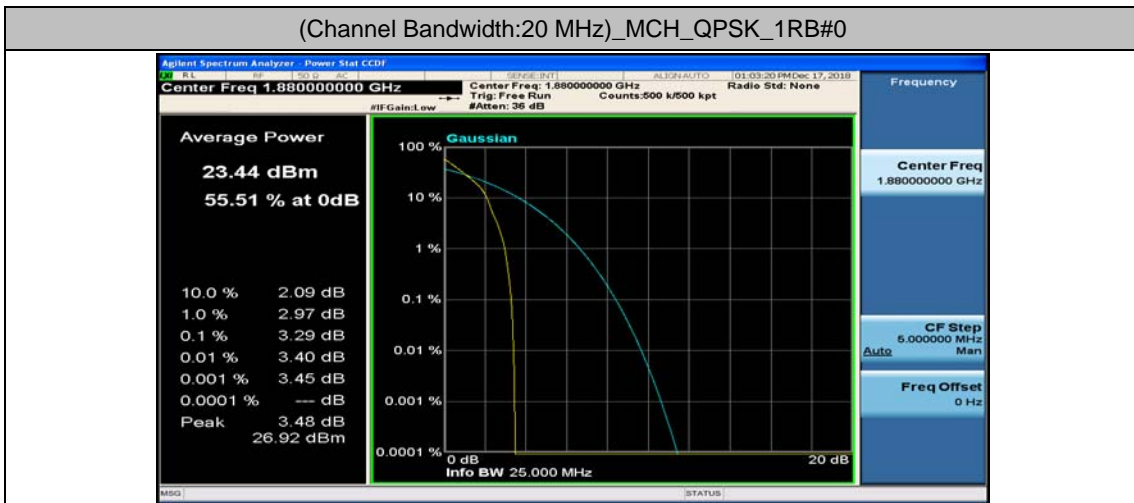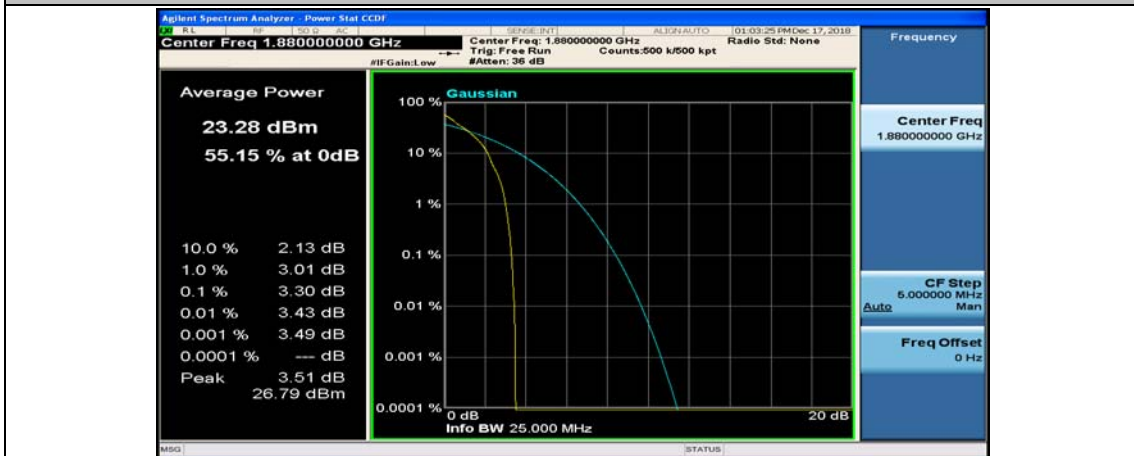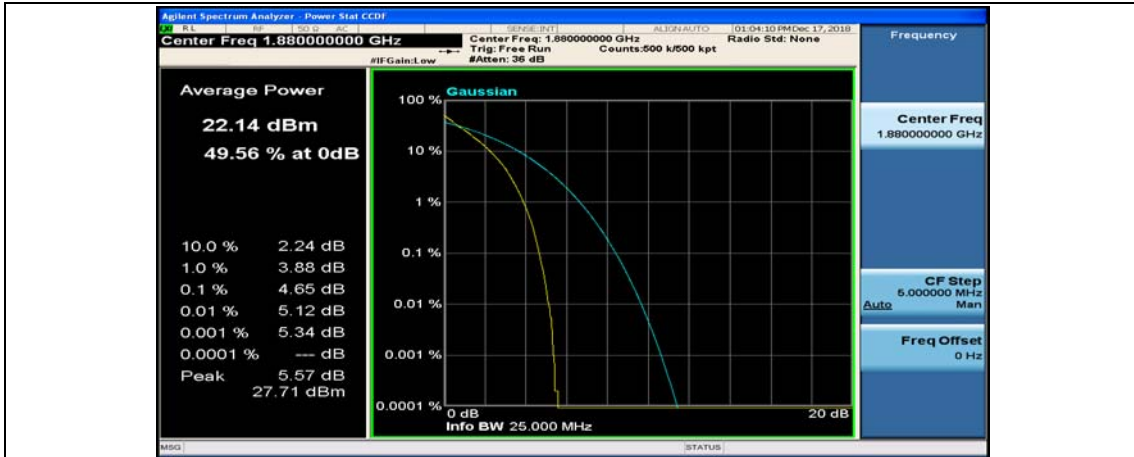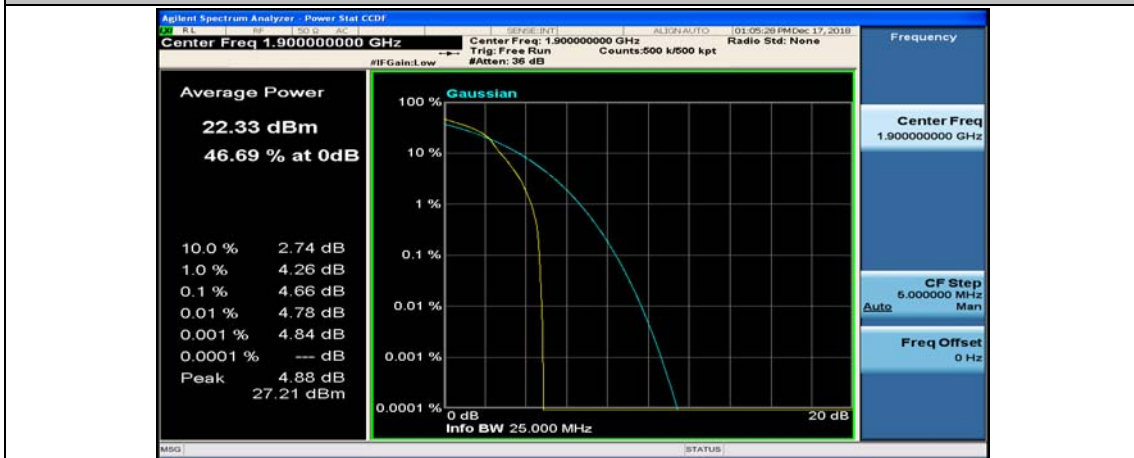

(Channel Bandwidth:20 MHz)_HCH_16QAM_50RB#0
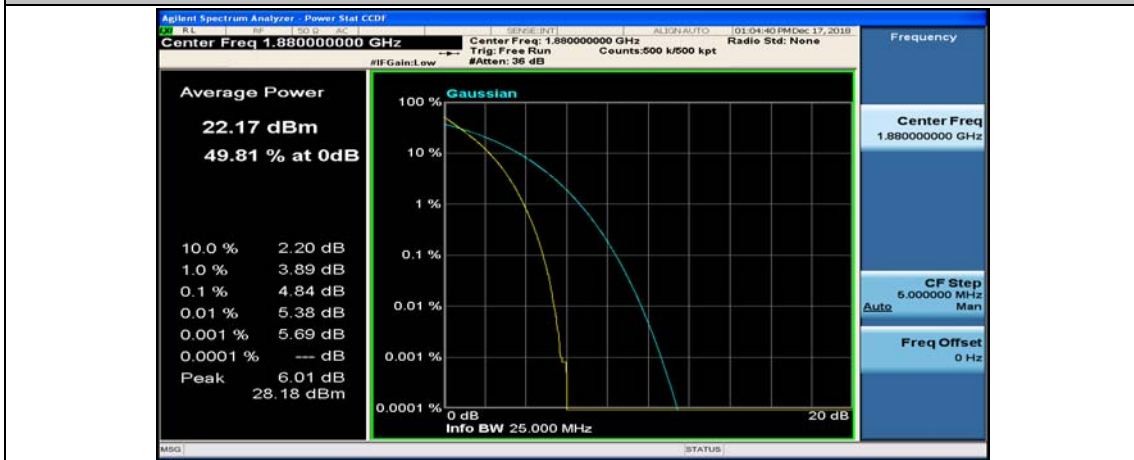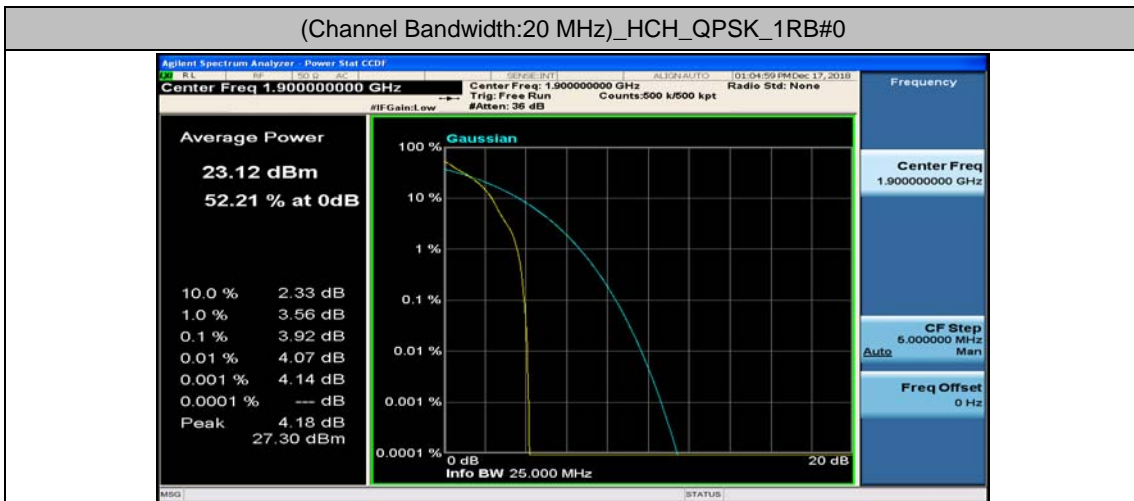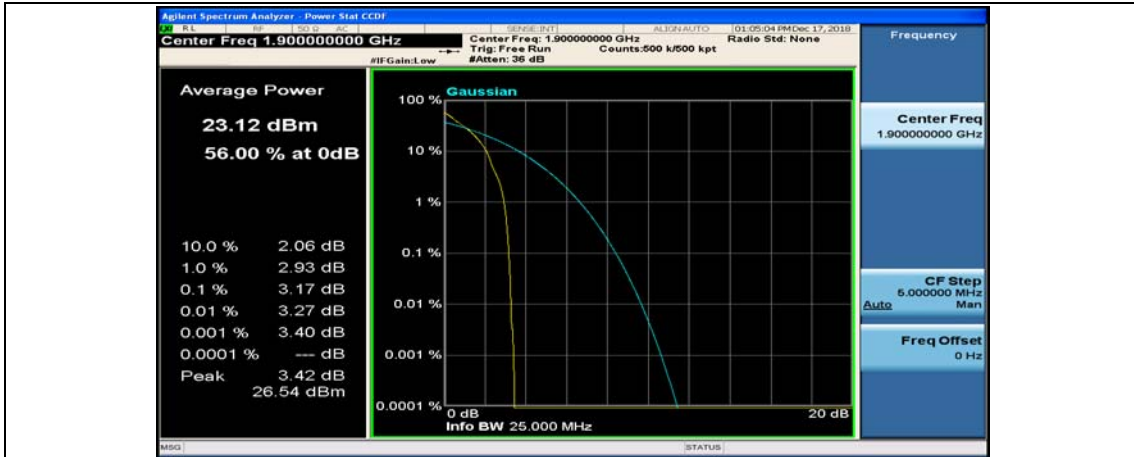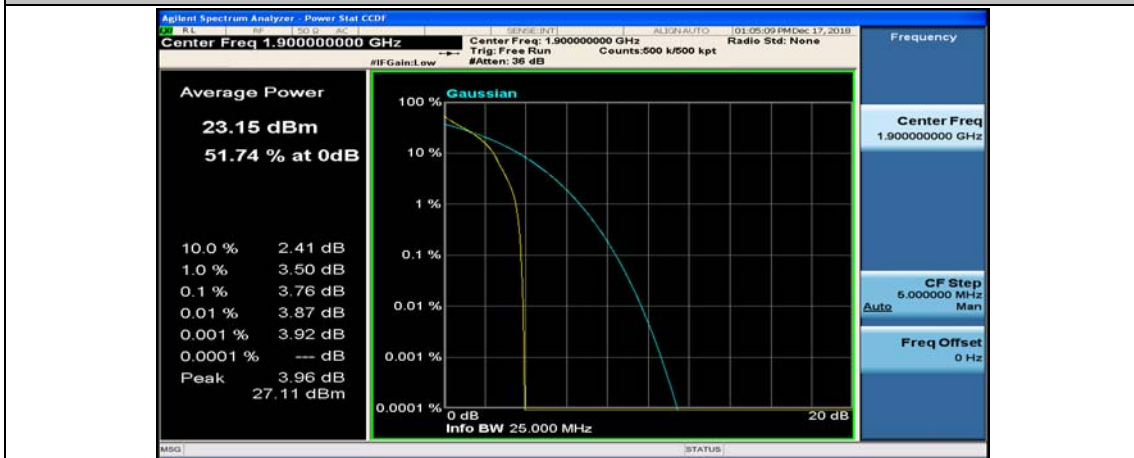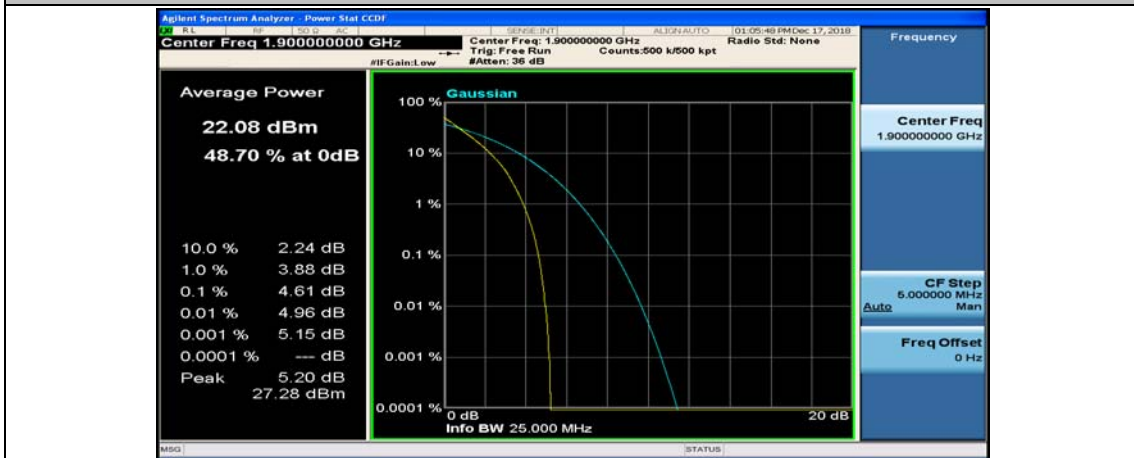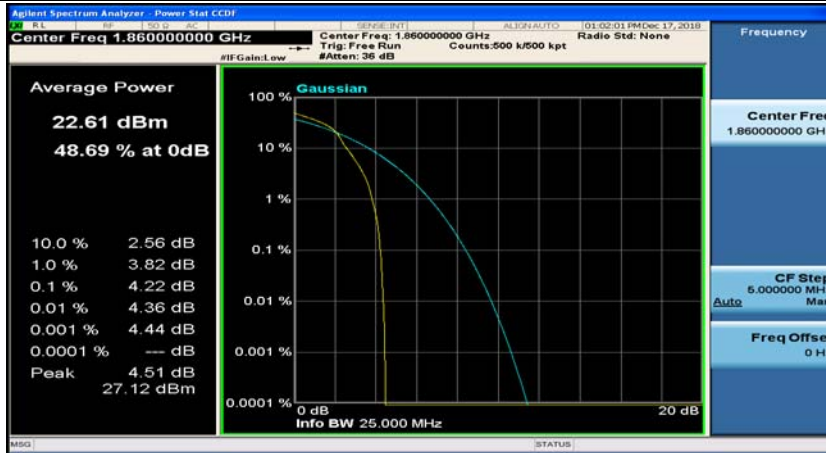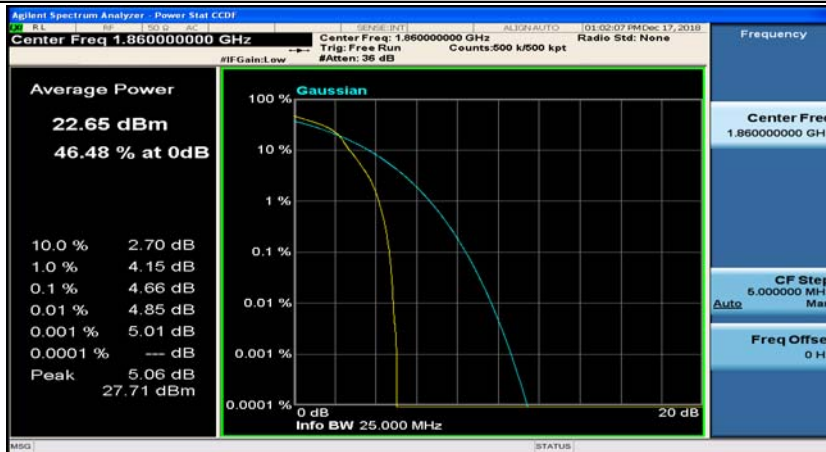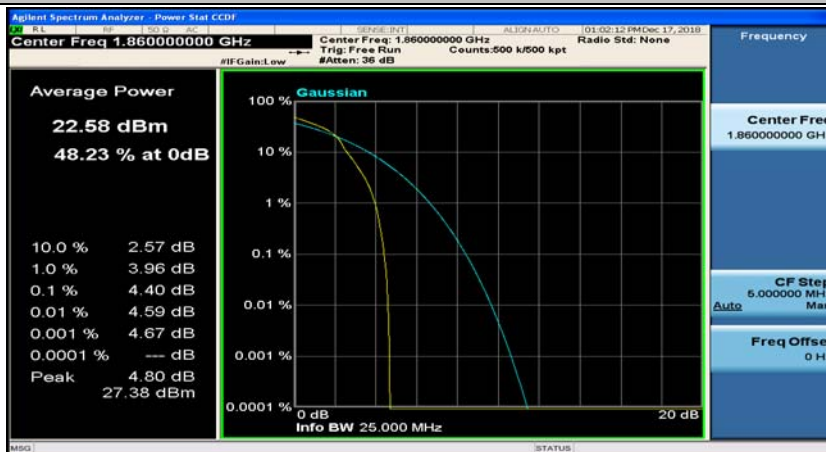

(Channel Bandwidth:20 MHz)_HCH_16QAM_50RB#25
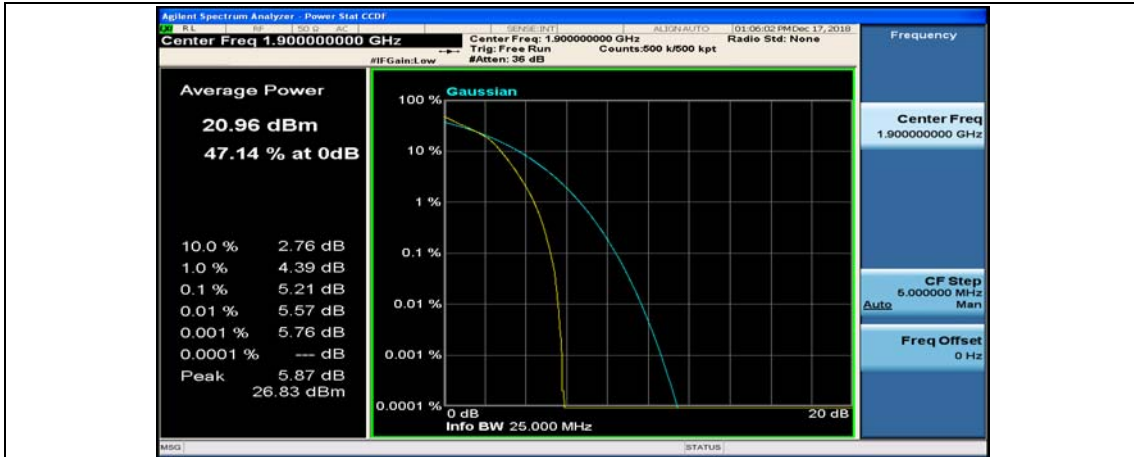
(Channel Bandwidth:20 MHz)_HCH_16QAM_50RB#50
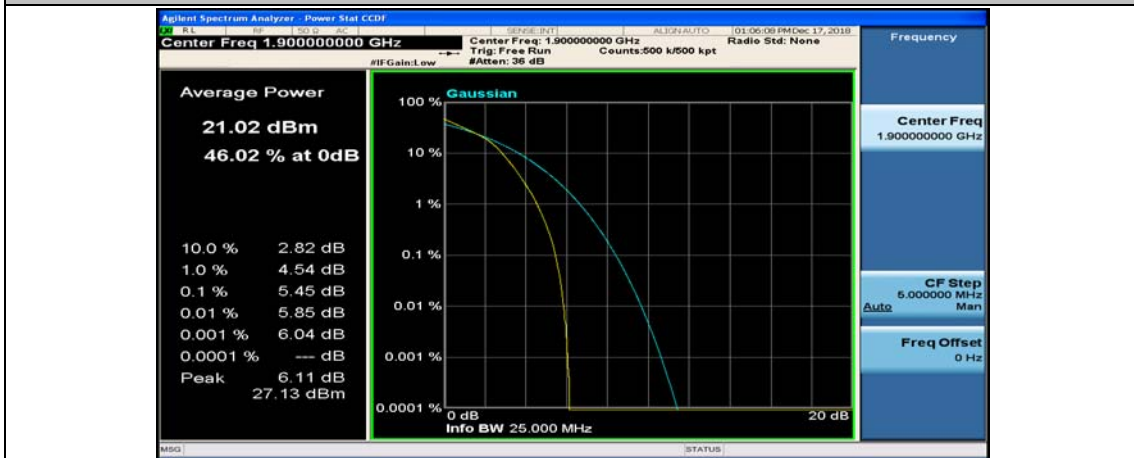
(Channel Bandwidth:20 MHz)_HCH_16QAM_100RB#0

Appendix C: 26dB Bandwidth and Occupied Bandwidth

Test Result

Channel Bandwidth: 1.4 MHz

Channel Bandwidth: 1.4 MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth	26dB Bandwidth	Verdict
		Size	Offset	(MHz)	(MHz)	
QPSK	LCH	6	0	1.0771	1.223	PASS
	MCH	6	0	1.0809	1.267	PASS
	HCH	6	0	1.0799	1.275	PASS
16QAM	LCH	6	0	1.0818	1.251	PASS
	MCH	6	0	1.0772	1.260	PASS
	HCH	6	0	1.0825	1.243	PASS

Channel Bandwidth: 3 MHz

Channel Bandwidth: 3 MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth	26dB Bandwidth	Verdict
		Size	Offset	(MHz)	(MHz)	
QPSK	LCH	15	0	2.6818	2.898	PASS
	MCH	15	0	2.6845	2.911	PASS
	HCH	15	0	2.6808	2.873	PASS
16QAM	LCH	15	0	2.6842	2.888	PASS
	MCH	15	0	2.6836	2.886	PASS
	HCH	15	0	2.6818	2.881	PASS

Channel Bandwidth: 5 MHz

Channel Bandwidth: 5 MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth	26dB Bandwidth	Verdict
		Size	Offset	(MHz)	(MHz)	
QPSK	LCH	25	0	4.4742	4.897	PASS
	MCH	25	0	4.4769	4.832	PASS
	HCH	25	0	4.4797	4.819	PASS
16QAM	LCH	25	0	4.4905	4.837	PASS
	MCH	25	0	4.4887	4.847	PASS
	HCH	25	0	4.4804	4.801	PASS

Channel Bandwidth: 10 MHz

<table>
<tr><td colspan="7">Channel Bandwidth: 10 MHz</td></tr>
<tr><td rowspan="2">Modulation</td><td rowspan="2">Channel</td><td colspan="2">RB Configuration</td><td>Occupied Bandwidth</td><td>26dB Bandwidth</td><td rowspan="2">Verdict</td></tr>
<tr><td>Size</td><td>Offset</td><td>(MHz)</td><td>(MHz)</td></tr>
<tr><td rowspan="3">QPSK</td><td>LCH</td><td>50</td><td>0</td><td>8.9327</td><td>9.468</td><td>PASS</td></tr>
<tr><td>MCH</td><td>50</td><td>0</td><td>8.9261</td><td>9.494</td><td>PASS</td></tr>
<tr><td>HCH</td><td>50</td><td>0</td><td>8.9403</td><td>9.467</td><td>PASS</td></tr>
<tr><td rowspan="3">16QAM</td><td>LCH</td><td>50</td><td>0</td><td>8.9428</td><td>9.472</td><td>PASS</td></tr>
<tr><td>MCH</td><td>50</td><td>0</td><td>8.9389</td><td>9.471</td><td>PASS</td></tr>
<tr><td>HCH</td><td>50</td><td>0</td><td>8.9278</td><td>9.477</td><td>PASS</td></tr>
</table>

Channel Bandwidth: 15 MHz

<table>
<tr><td colspan="7">Channel Bandwidth: 15 MHz</td></tr>
<tr><td rowspan="2">Modulation</td><td rowspan="2">Channel</td><td colspan="2">RB Configuration</td><td>Occupied Bandwidth</td><td>26dB Bandwidth</td><td rowspan="2">Verdict</td></tr>
<tr><td>Size</td><td>Offset</td><td>(MHz)</td><td>(MHz)</td></tr>
<tr><td rowspan="3">QPSK</td><td>LCH</td><td>75</td><td>0</td><td>13.420</td><td>14.21</td><td>PASS</td></tr>
<tr><td>MCH</td><td>75</td><td>0</td><td>13.408</td><td>14.12</td><td>PASS</td></tr>
<tr><td>HCH</td><td>75</td><td>0</td><td>13.411</td><td>13.99</td><td>PASS</td></tr>
<tr><td rowspan="3">16QAM</td><td>LCH</td><td>75</td><td>0</td><td>13.422</td><td>14.03</td><td>PASS</td></tr>
<tr><td>MCH</td><td>75</td><td>0</td><td>13.405</td><td>14.11</td><td>PASS</td></tr>
<tr><td>HCH</td><td>75</td><td>0</td><td>13.411</td><td>14.03</td><td>PASS</td></tr>
</table>

Channel Bandwidth: 20 MHz

<table>
<tr><td colspan="7">Channel Bandwidth: 20 MHz</td></tr>
<tr><td rowspan="2">Modulation</td><td rowspan="2">Channel</td><td colspan="2">RB Configuration</td><td>Occupied Bandwidth</td><td>26dB Bandwidth</td><td rowspan="2">Verdict</td></tr>
<tr><td>Size</td><td>Offset</td><td>(MHz)</td><td>(MHz)</td></tr>
<tr><td rowspan="3">QPSK</td><td>LCH</td><td>100</td><td>0</td><td>17.887</td><td>18.63</td><td>PASS</td></tr>
<tr><td>MCH</td><td>100</td><td>0</td><td>17.869</td><td>18.66</td><td>PASS</td></tr>
<tr><td>HCH</td><td>100</td><td>0</td><td>17.867</td><td>18.61</td><td>PASS</td></tr>
<tr><td rowspan="3">16QAM</td><td>LCH</td><td>100</td><td>0</td><td>17.877</td><td>18.64</td><td>PASS</td></tr>
<tr><td>MCH</td><td>100</td><td>0</td><td>17.868</td><td>18.75</td><td>PASS</td></tr>
<tr><td>HCH</td><td>100</td><td>0</td><td>17.842</td><td>18.64</td><td>PASS</td></tr>
</table>

Test Graphs

Channel Bandwidth: 1.4 MHz

(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_6RB#0

(Channel Bandwidth: 1.4 MHz)_MCH_QPSK_6RB#0

(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_6RB#0

(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_6RB#0

(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_6RB#0

(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_6RB#0