

## Appendix for Band 13

### Appendix A: Average Power Output Data

#### Test Result

#### Channel Bandwidth: 5 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	23.61	PASS
		1	12	22.59	PASS
		1	24	23.55	PASS
		12	0	21.89	PASS
		12	6	21.56	PASS
		12	13	21.77	PASS
		25	0	21.81	PASS
	MCH	1	0	22.83	PASS
		1	12	23.45	PASS
		1	24	23.68	PASS
		12	0	21.83	PASS
		12	6	22.46	PASS
		12	13	22.70	PASS
		25	0	22.60	PASS
	HCH	1	0	23.68	PASS
		1	12	23.32	PASS
		1	24	22.75	PASS
		12	0	22.69	PASS
		12	6	22.64	PASS
		12	13	22.46	PASS
		25	0	22.61	PASS
16QAM	LCH	1	0	22.34	PASS
		1	12	22.01	PASS
		1	24	22.26	PASS
		12	0	21.16	PASS
		12	6	20.95	PASS
		12	13	21.15	PASS
		25	0	21.07	PASS
	MCH	1	0	22.37	PASS
		1	12	22.62	PASS
		1	24	22.35	PASS
		12	0	21.19	PASS
		12	6	21.80	PASS

		12	13	21.79	PASS
		25	0	21.63	PASS
	HCH	1	0	22.71	PASS
		1	12	22.65	PASS
		1	24	21.94	PASS
		12	0	21.67	PASS
		12	6	21.61	PASS
		12	13	21.62	PASS
		25	0	21.58	PASS

### Channel Bandwidth: 10 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	MCH	1	0	23.69	PASS
		1	24	23.36	PASS
		1	49	22.52	PASS
		25	0	21.97	PASS
		25	12	22.53	PASS
		25	25	22.81	PASS
		50	0	22.59	PASS
16QAM	MCH	1	0	22.81	PASS
		1	24	22.76	PASS
		1	49	21.99	PASS
		25	0	21.21	PASS
		25	12	21.61	PASS
		25	25	21.58	PASS
		50	0	21.60	PASS

## Appendix B: Peak-to-Average Ratio

### Test Result

#### Channel Bandwidth: 5 MHz

Channel Bandwidth: 5 MHz						
Modulation	Channel	RB Configuration		Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
		Size	Offset			
QPSK	LCH	1	0	3.9	<13	PASS
		1	12	5.24	<13	PASS
		1	24	4.89	<13	PASS
		12	0	5.42	<13	PASS
		12	6	5.64	<13	PASS
		12	13	5.68	<13	PASS
		25	0	5.75	<13	PASS
	MCH	1	0	5.38	<13	PASS
		1	12	5.01	<13	PASS
		1	24	4.08	<13	PASS
		12	0	5.78	<13	PASS
		12	6	5.44	<13	PASS
		12	13	5.09	<13	PASS
		25	0	5.43	<13	PASS
	HCH	1	0	4.68	<13	PASS
		1	12	4.09	<13	PASS
		1	24	4.27	<13	PASS
		12	0	5.04	<13	PASS
		12	6	4.81	<13	PASS
		12	13	4.57	<13	PASS
		25	0	4.93	<13	PASS
16QAM	LCH	1	0	4.67	<13	PASS
		1	12	6.2	<13	PASS
		1	24	5.71	<13	PASS
		12	0	6.18	<13	PASS
		12	6	6.34	<13	PASS
		12	13	6.41	<13	PASS
		25	0	6.46	<13	PASS
	MCH	1	0	5.94	<13	PASS
		1	12	5.52	<13	PASS
		1	24	4.81	<13	PASS
		12	0	6.58	<13	PASS
		12	6	6.31	<13	PASS

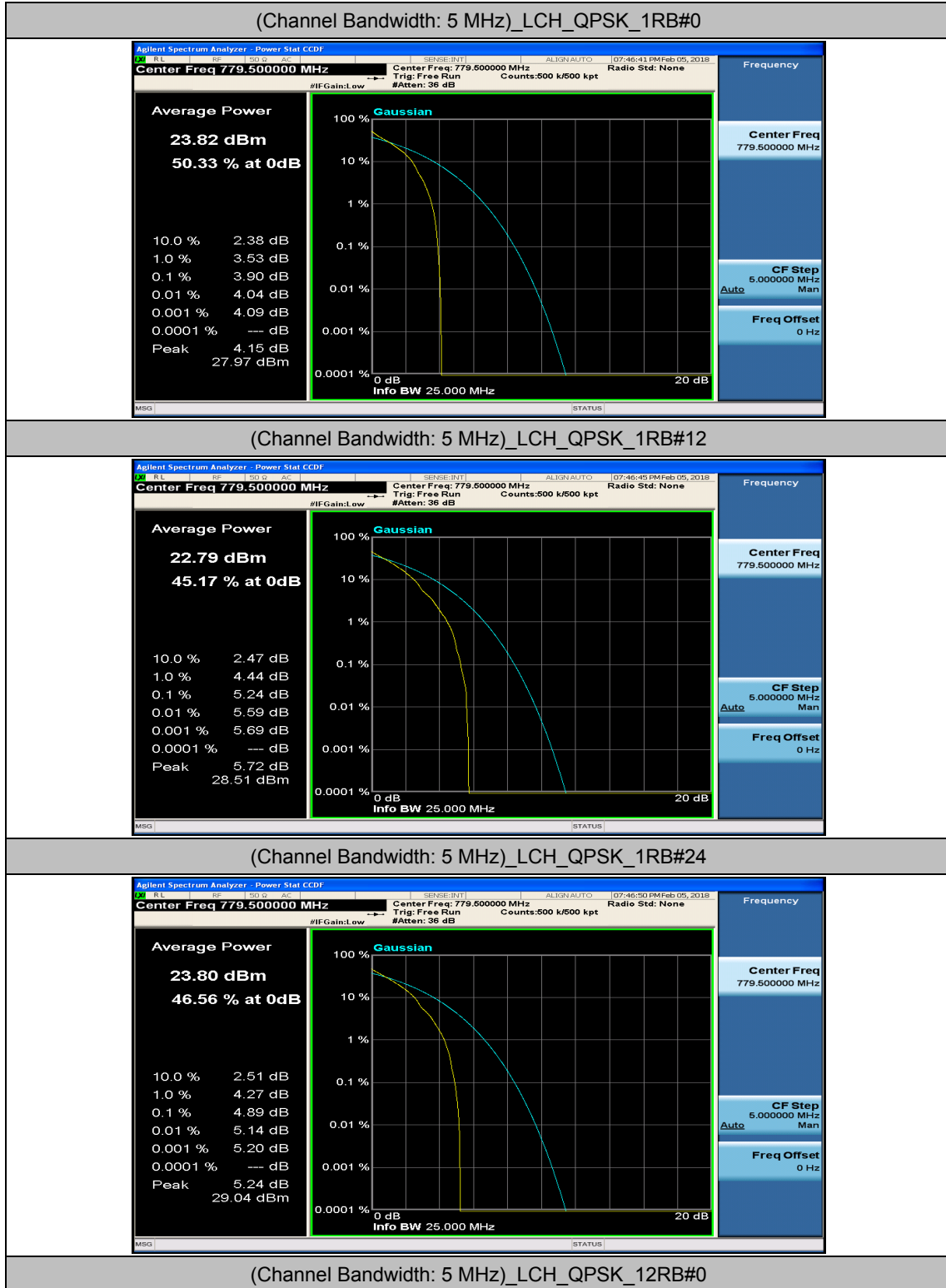
		12	13	6.06	<13	PASS
		25	0	6.2	<13	PASS
	HCH	1	0	5.86	<13	PASS
		1	12	5.08	<13	PASS
		1	24	5.05	<13	PASS
		12	0	5.85	<13	PASS
		12	6	5.54	<13	PASS
		12	13	5.3	<13	PASS
		25	0	5.71	<13	PASS

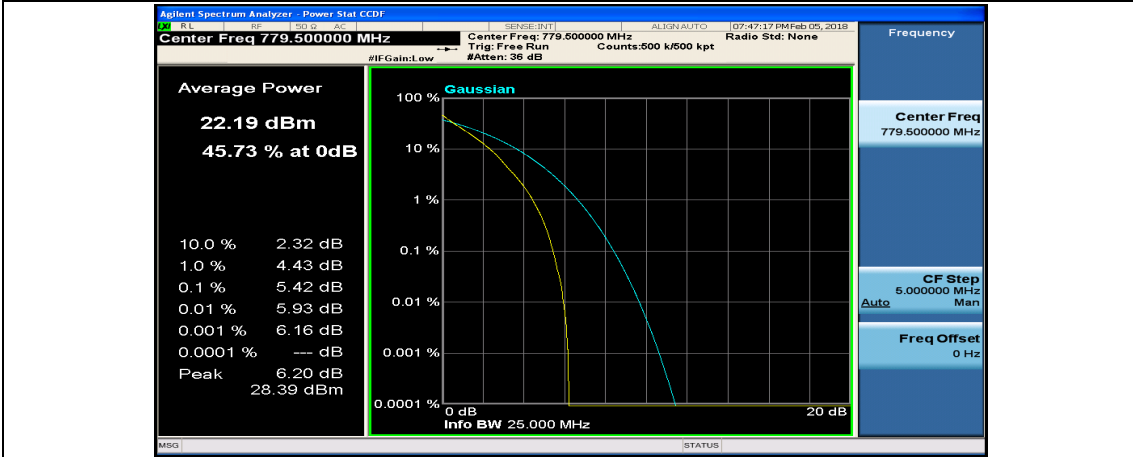
### Channel Bandwidth: 10 MHz

Channel Bandwidth: 10 MHz						
Modulation	Channel	RB Configuration		Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
		Size	Offset			
QPSK	MCH	1	0	4.24	<13	PASS
		1	24	5.03	<13	PASS
		1	49	4.34	<13	PASS
		25	0	5.63	<13	PASS
		25	12	5.41	<13	PASS
		25	25	4.92	<13	PASS
		50	0	5.18	<13	PASS
16QAM	MCH	1	0	5.08	<13	PASS
		1	24	5.86	<13	PASS
		1	49	5.02	<13	PASS
		25	0	6.32	<13	PASS
		25	12	6.22	<13	PASS
		25	25	5.85	<13	PASS
		50	0	5.92	<13	PASS
		50	0	5.94	<13	PASS

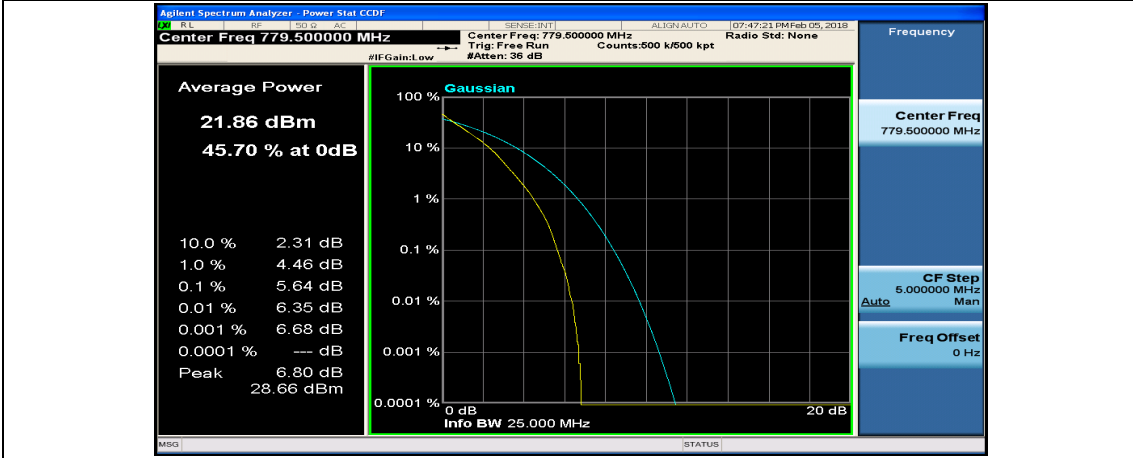
## Test Graphs

### Channel Bandwidth: 5 MHz

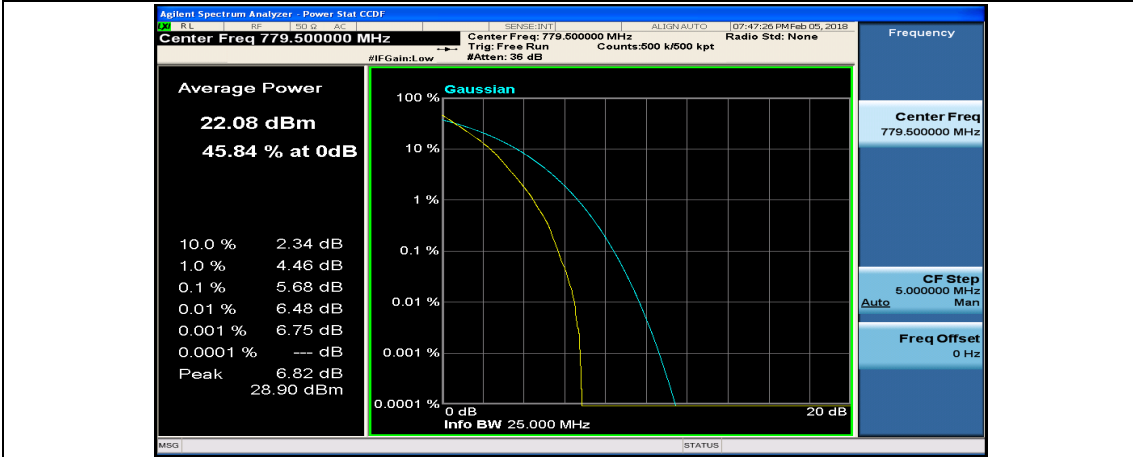




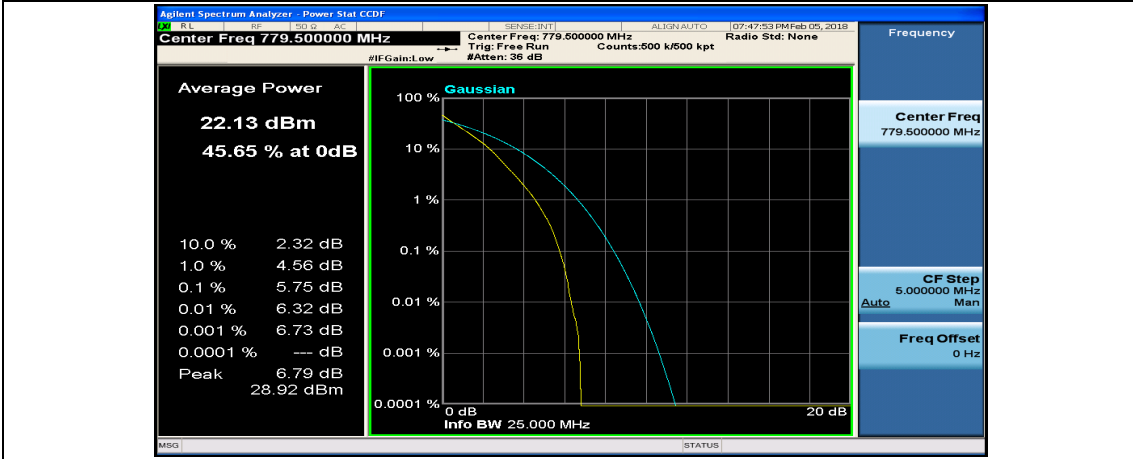
(Channel Bandwidth: 5 MHz)\_LCH\_QPSK\_12RB#6



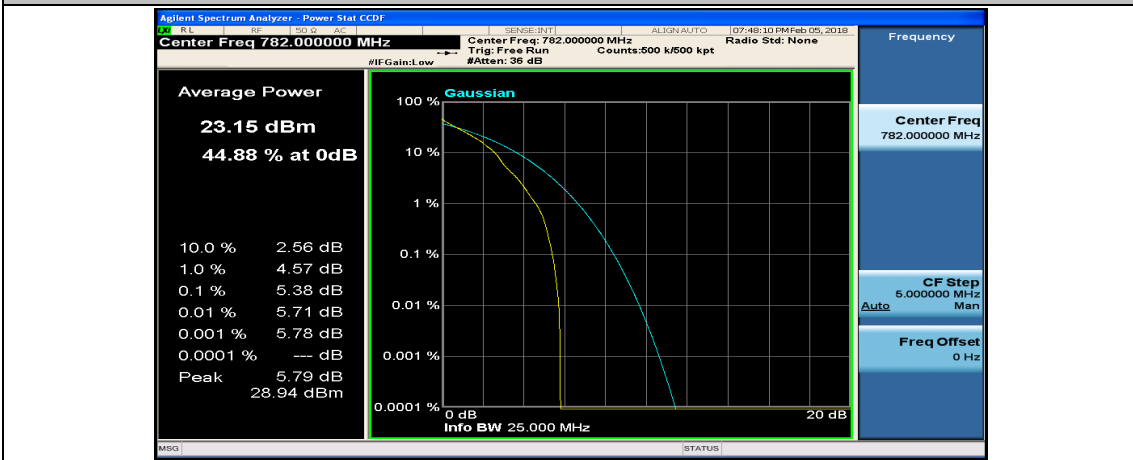
(Channel Bandwidth: 5 MHz)\_LCH\_QPSK\_12RB#13



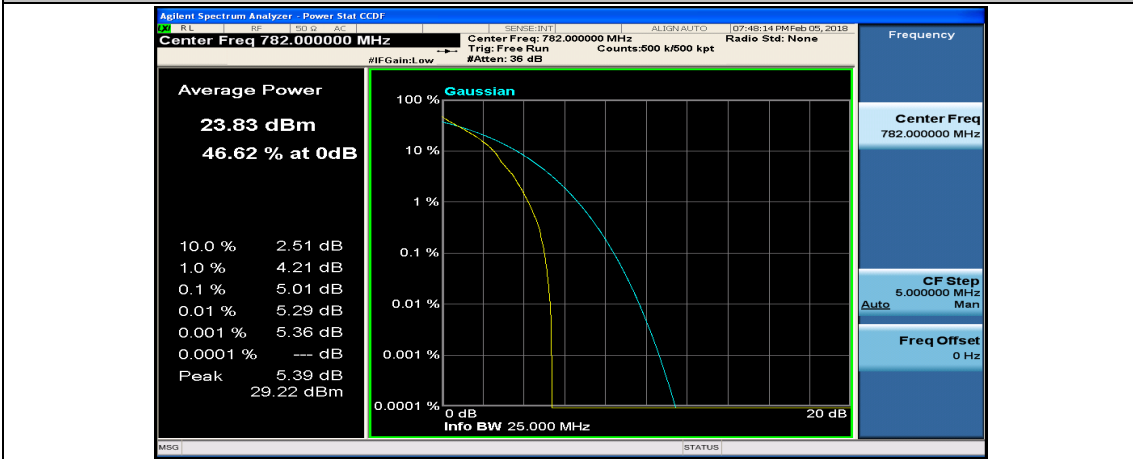
(Channel Bandwidth: 5 MHz)\_LCH\_QPSK\_25RB#0



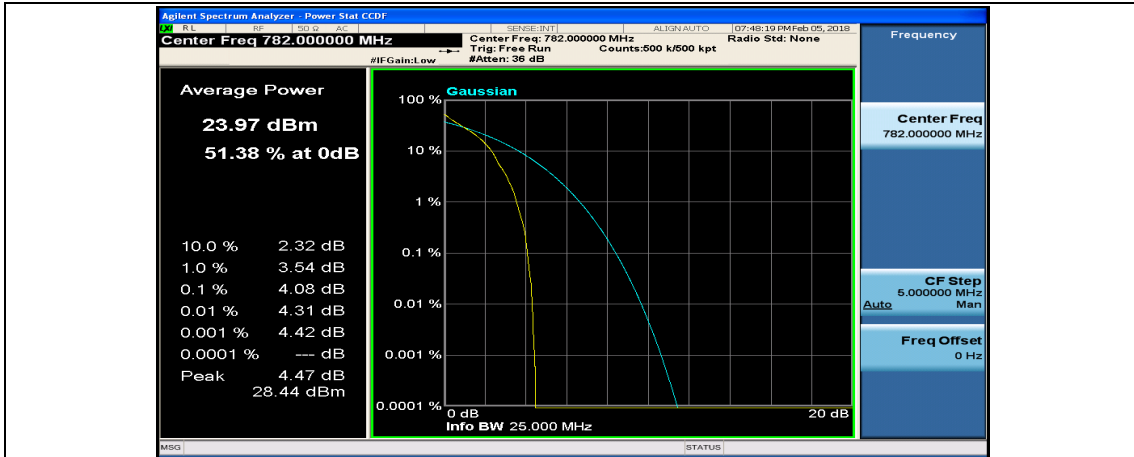
(Channel Bandwidth: 5 MHz)\_MCH\_QPSK\_1RB#0



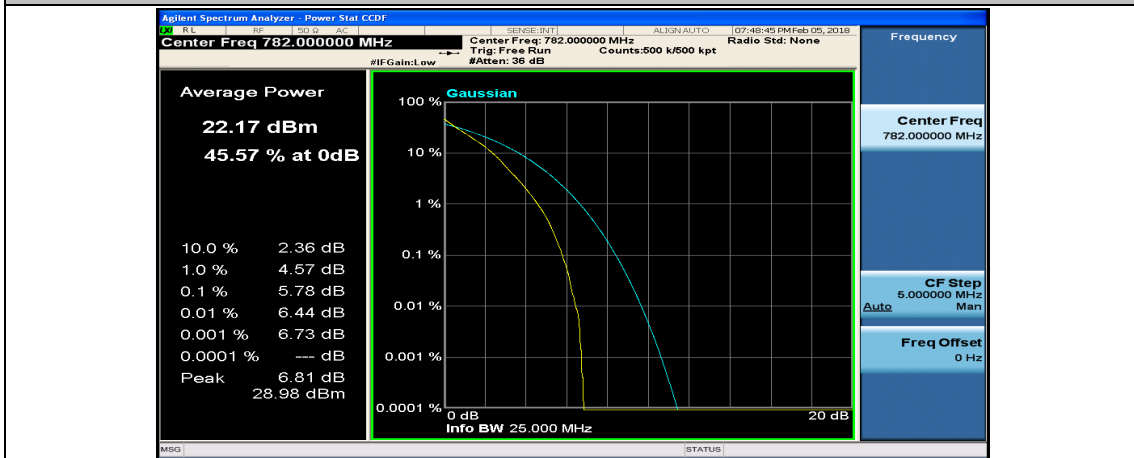
(Channel Bandwidth: 5 MHz)\_MCH\_QPSK\_1RB#12



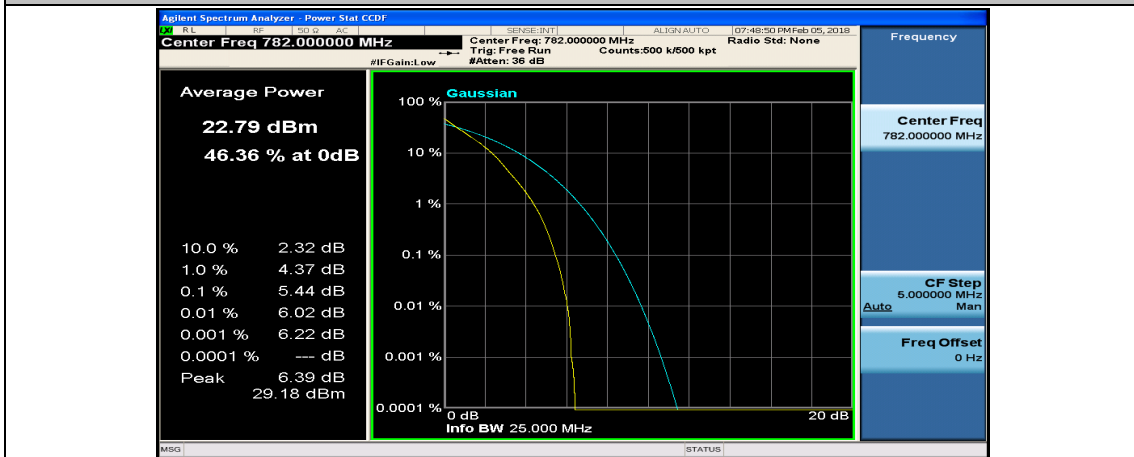
(Channel Bandwidth: 5 MHz)\_MCH\_QPSK\_1RB#24



(Channel Bandwidth: 5 MHz)\_MCH\_QPSK\_12RB#0

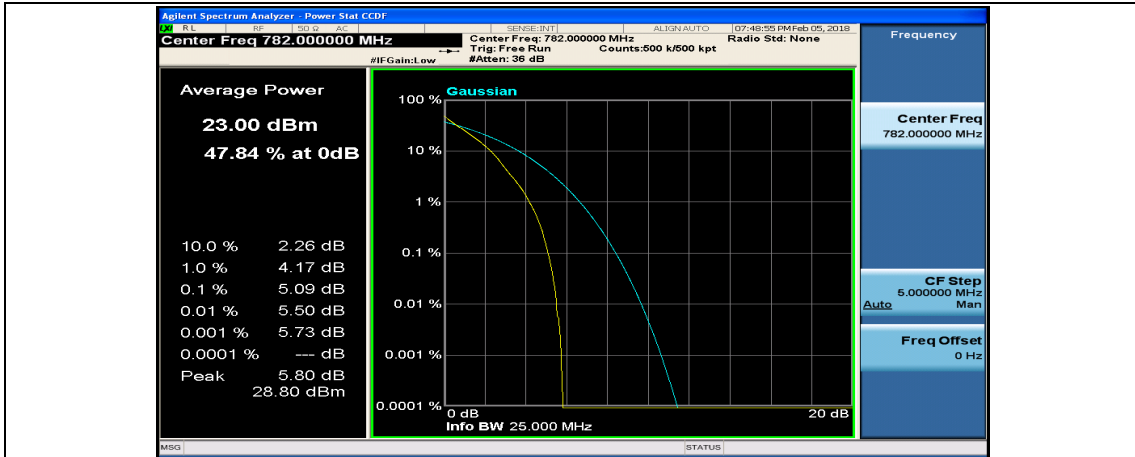


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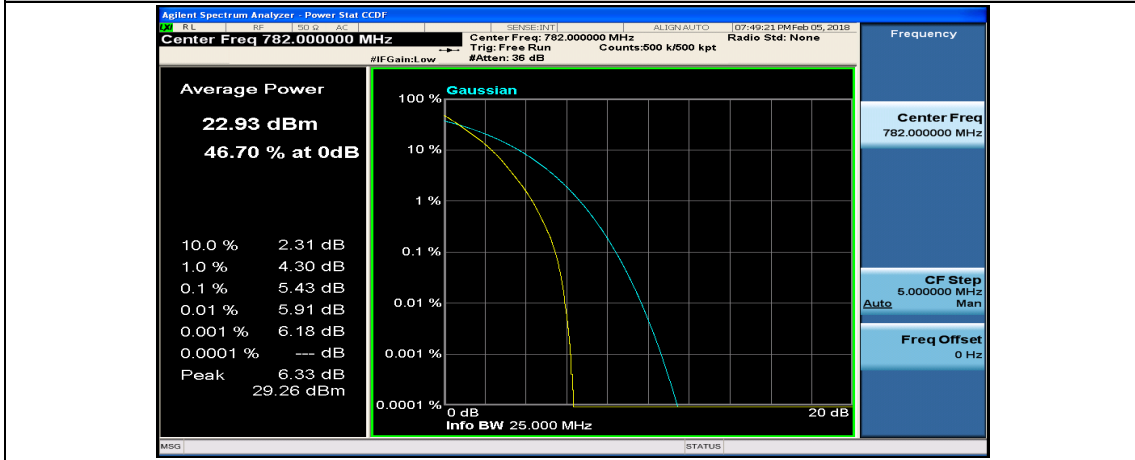


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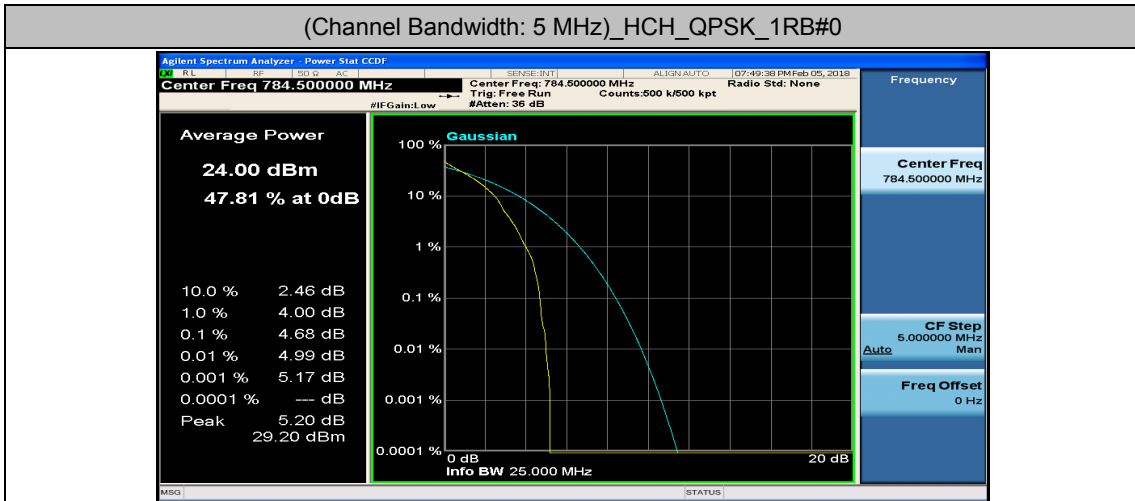




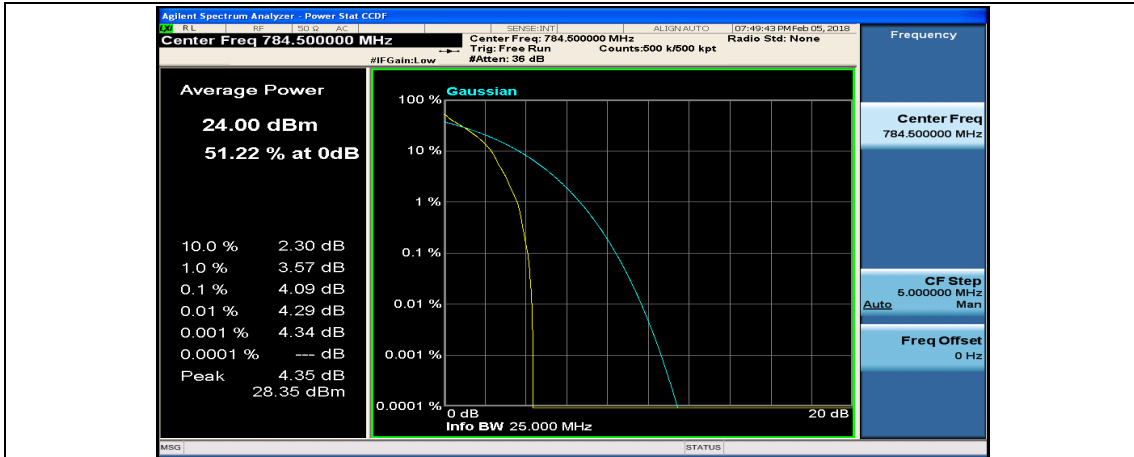
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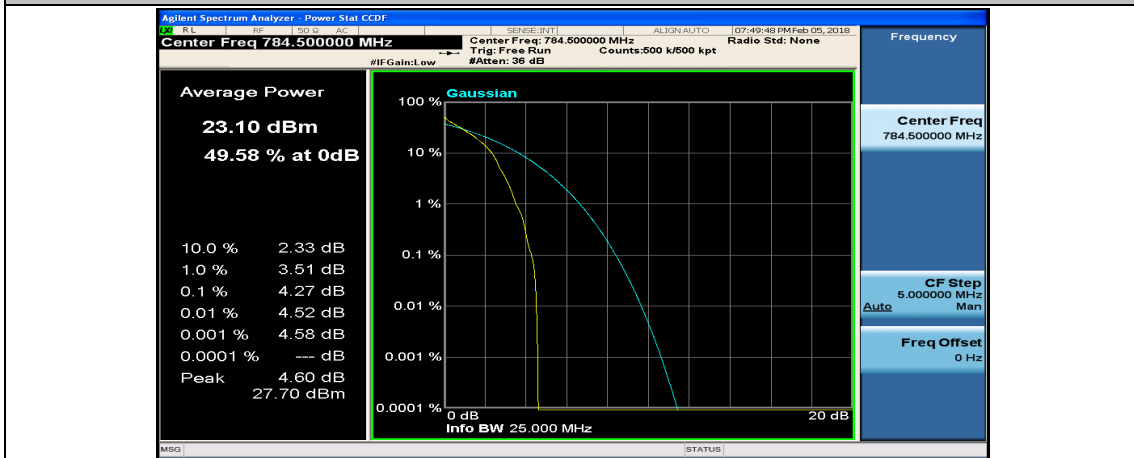
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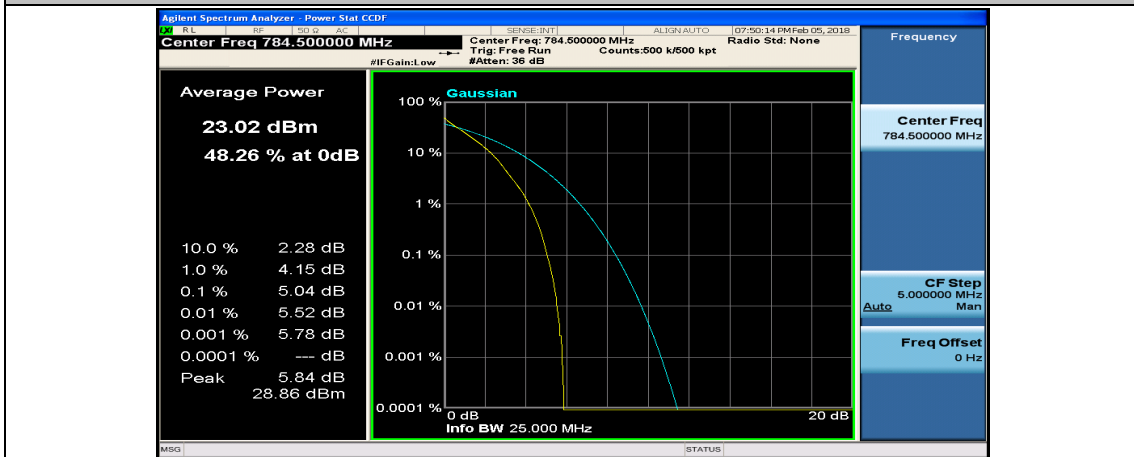
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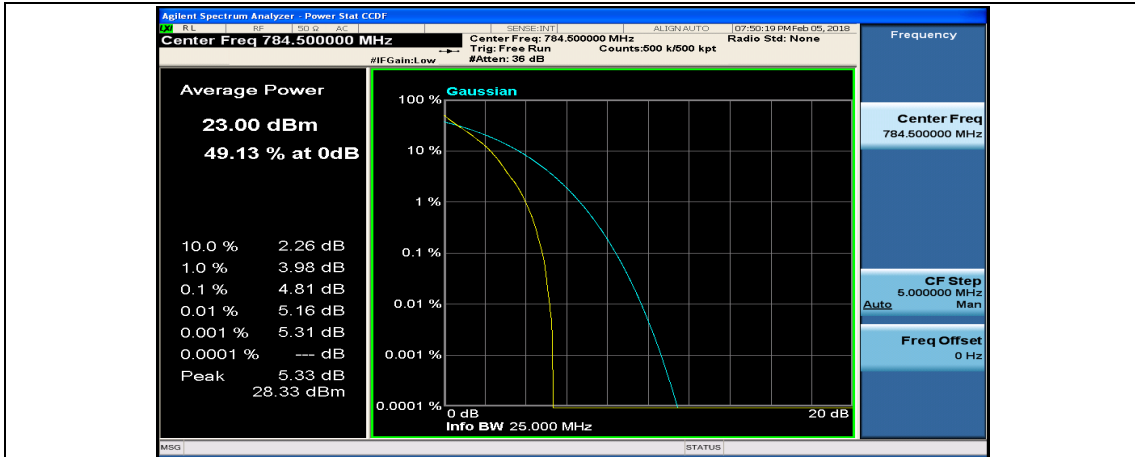
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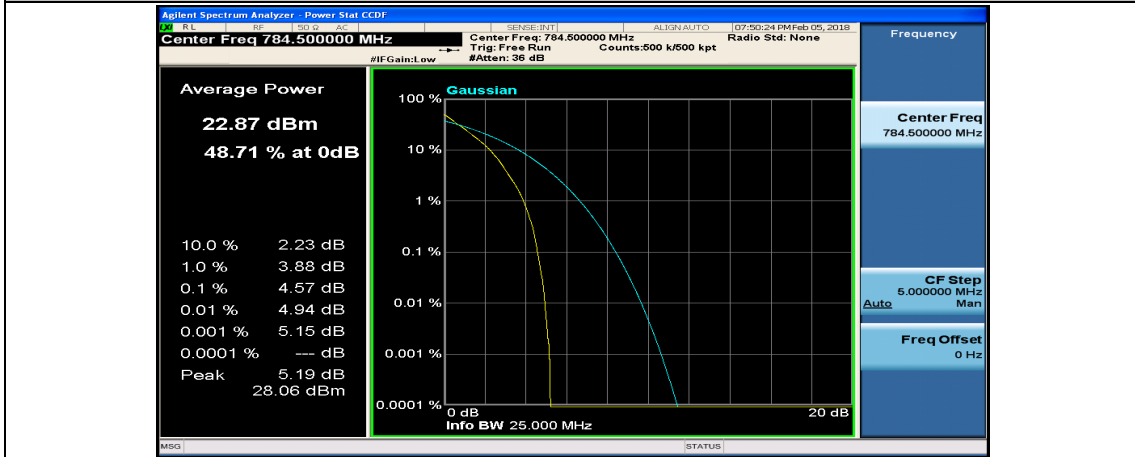
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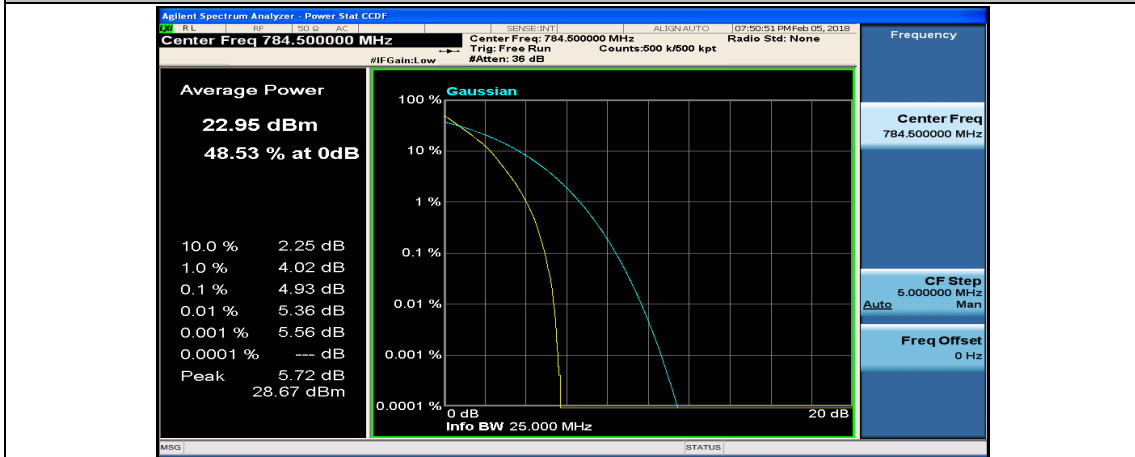
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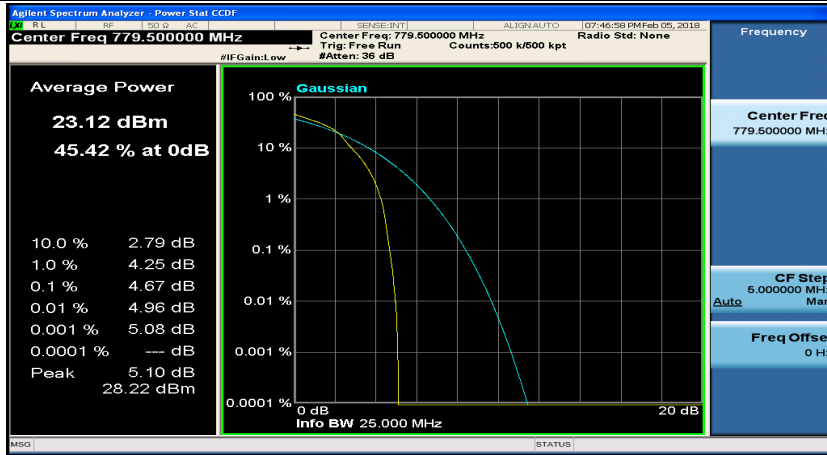
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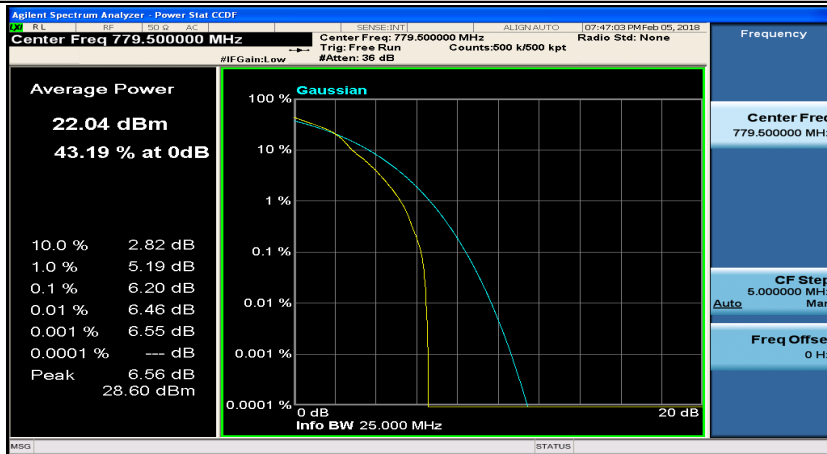
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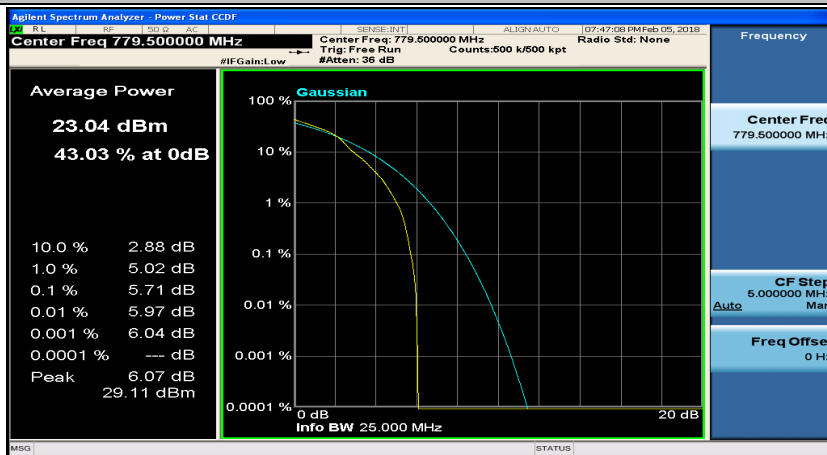
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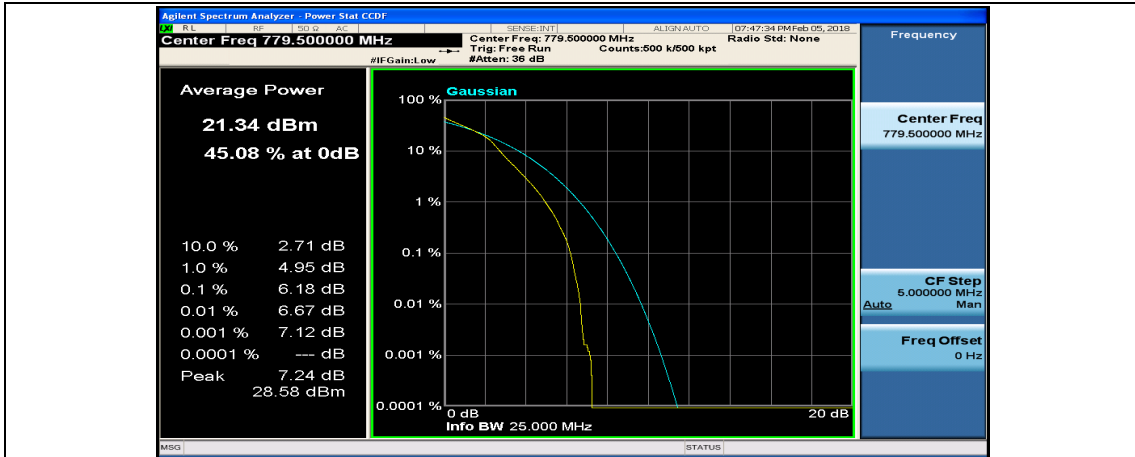
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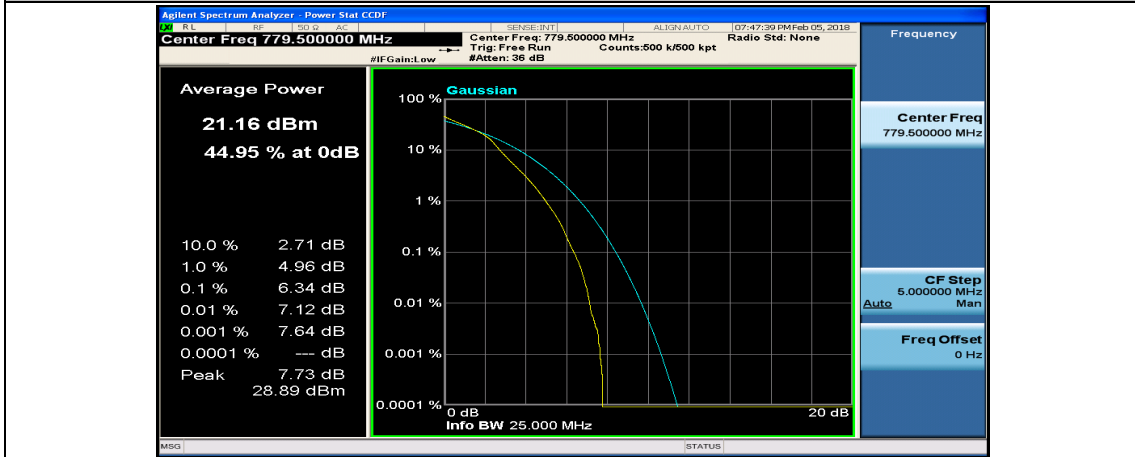
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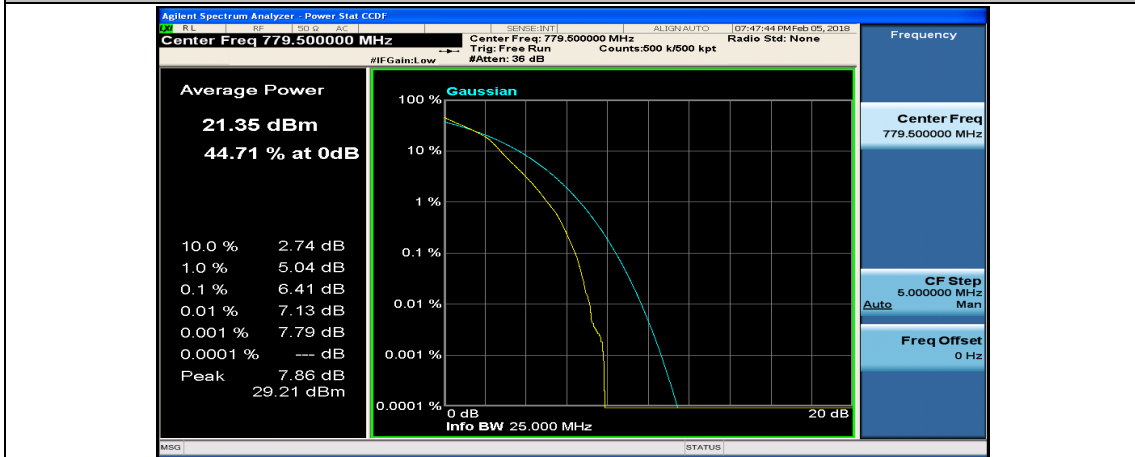
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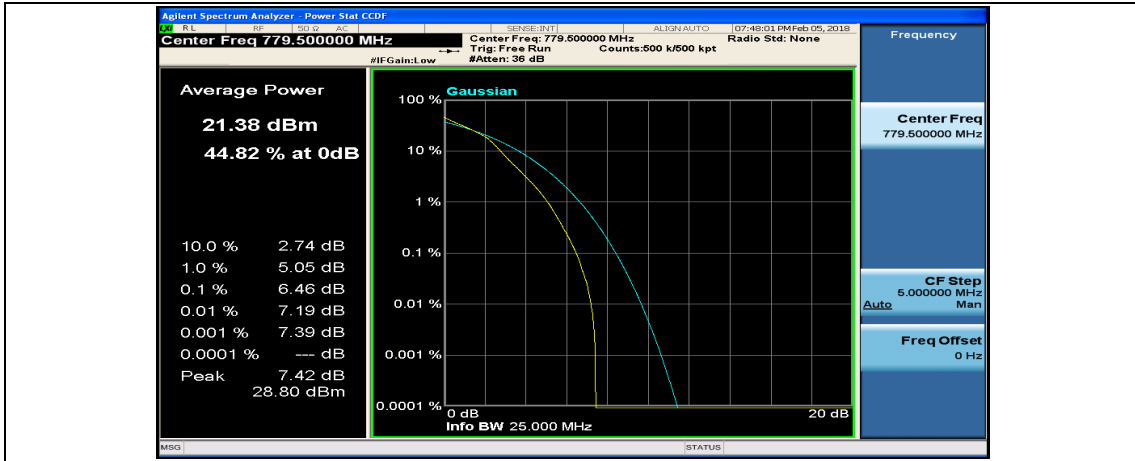
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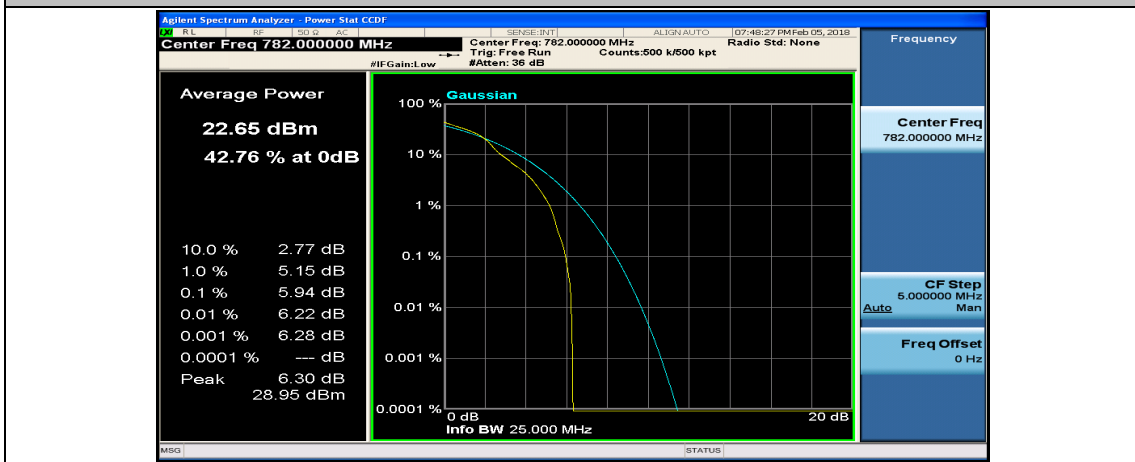
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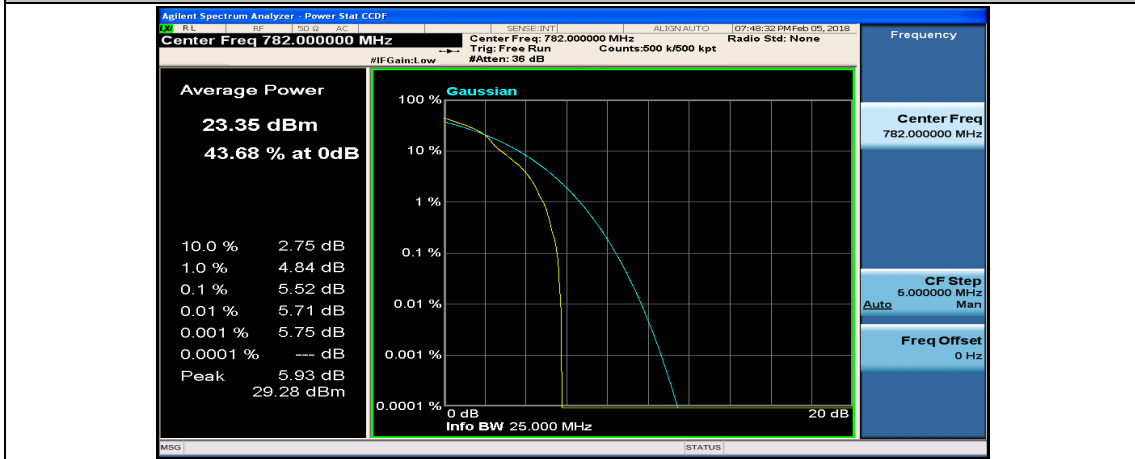
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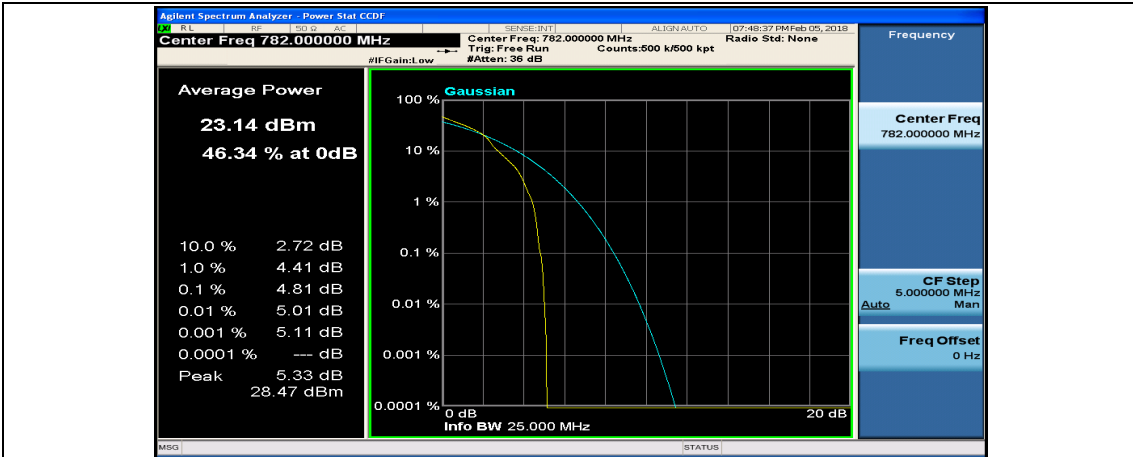
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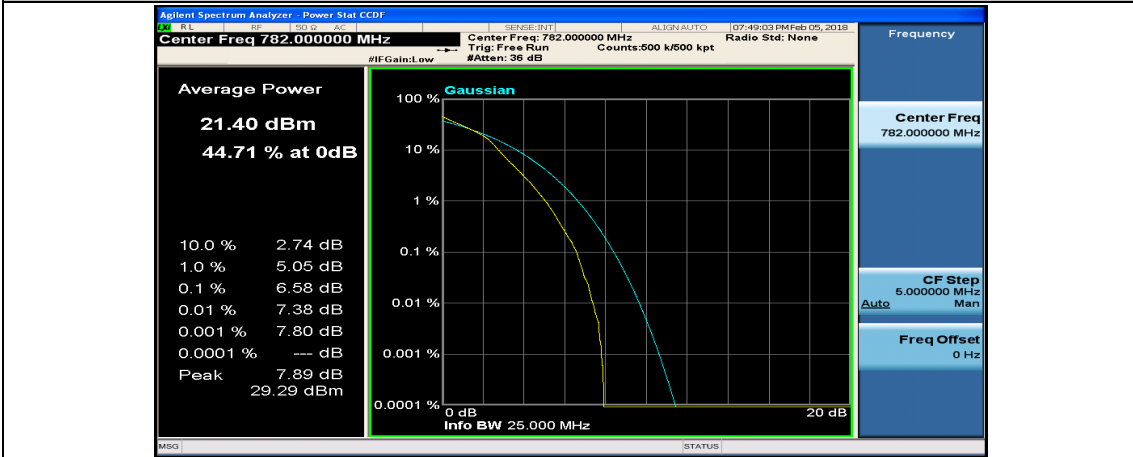
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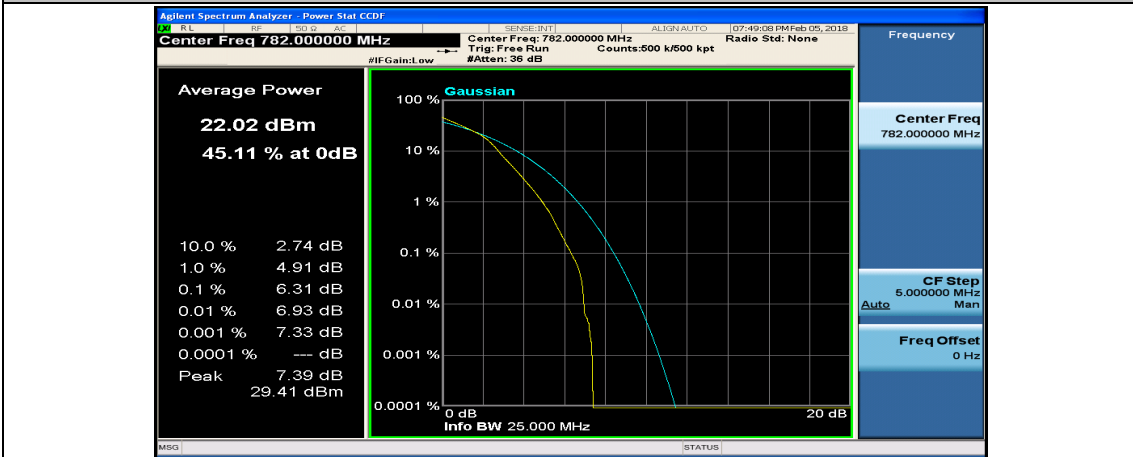
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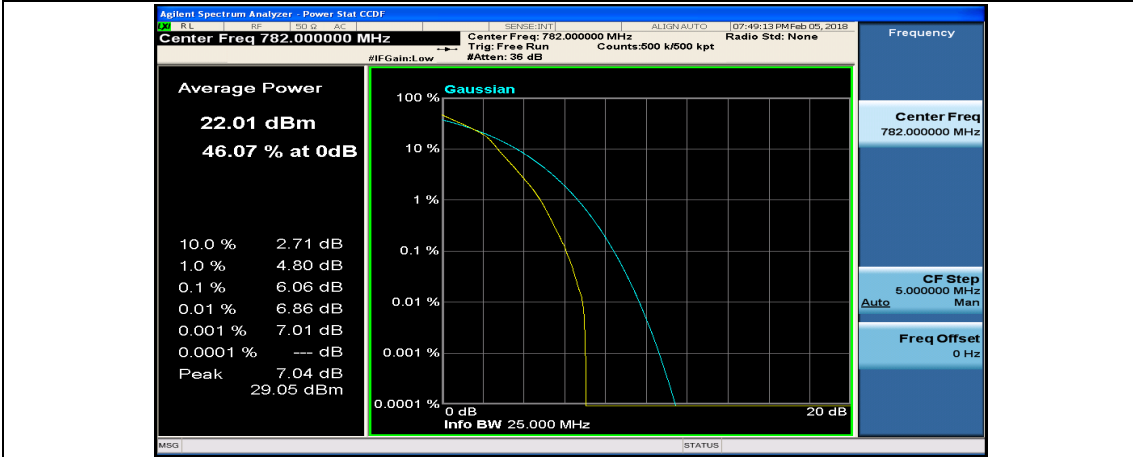
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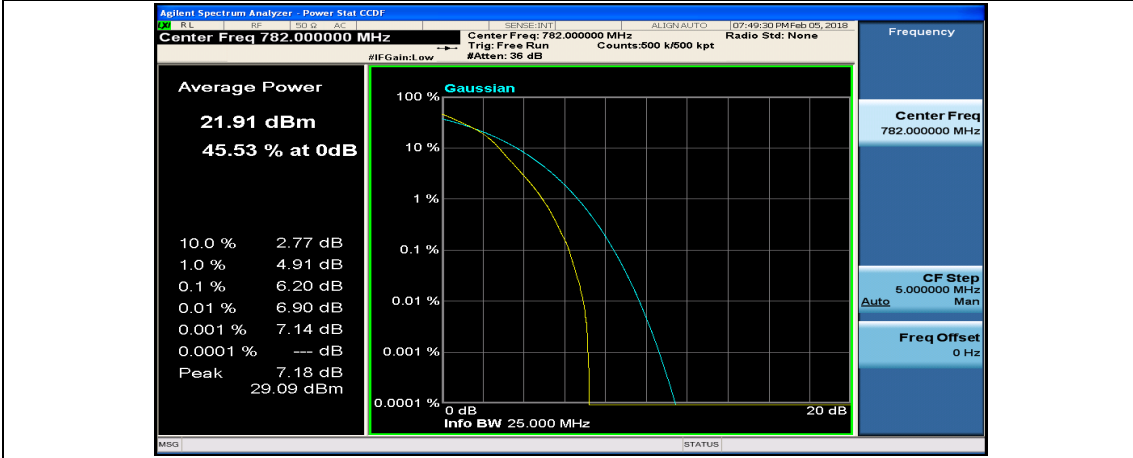
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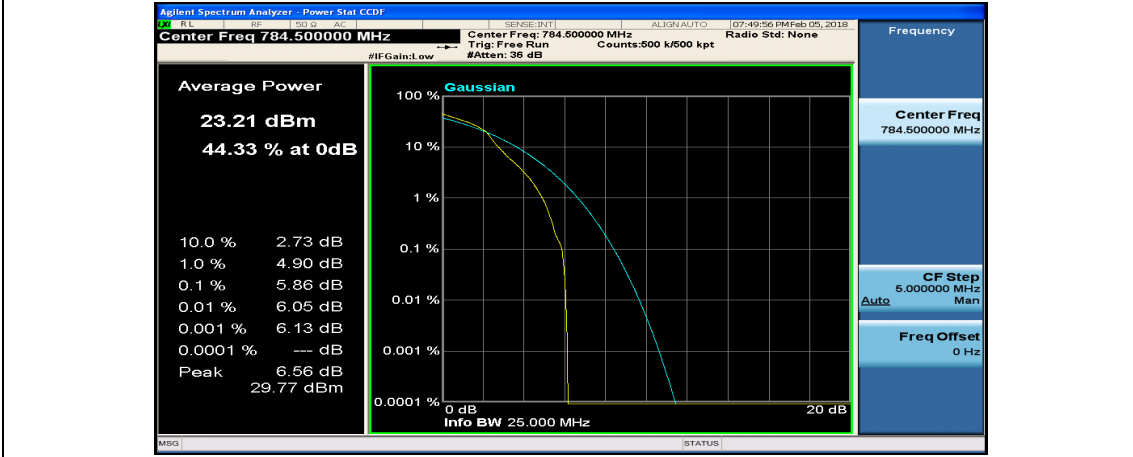
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(Channel Bandwidth: 5 MHz)\_MCH\_16QAM\_25RB#0

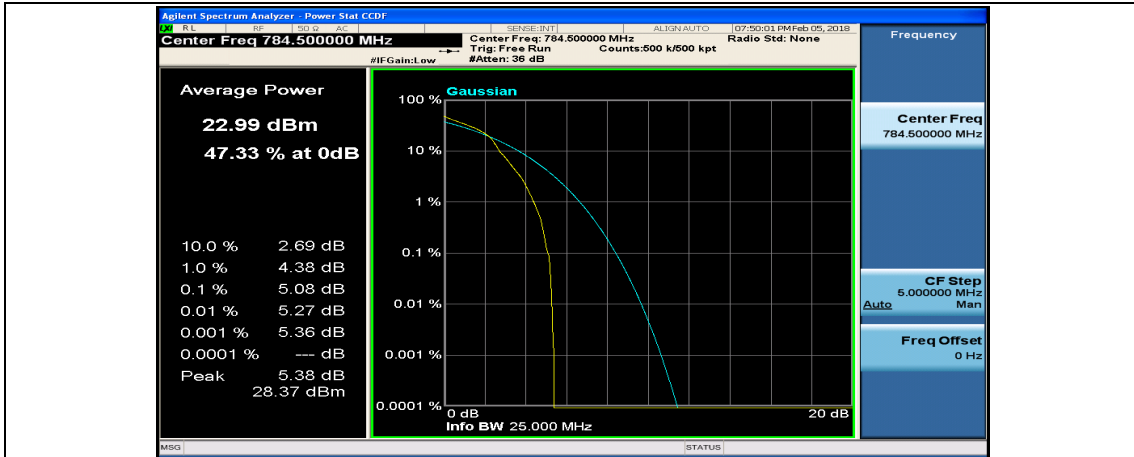


(Channel Bandwidth: 5 MHz)\_HCH\_16QAM\_1RB#0

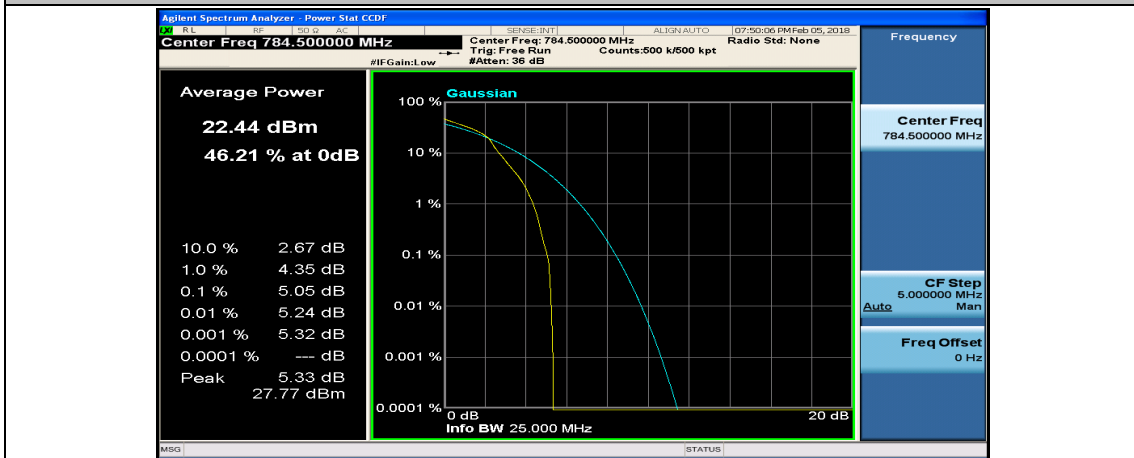


(Channel Bandwidth: 5 MHz)\_HCH\_16QAM\_1RB#12

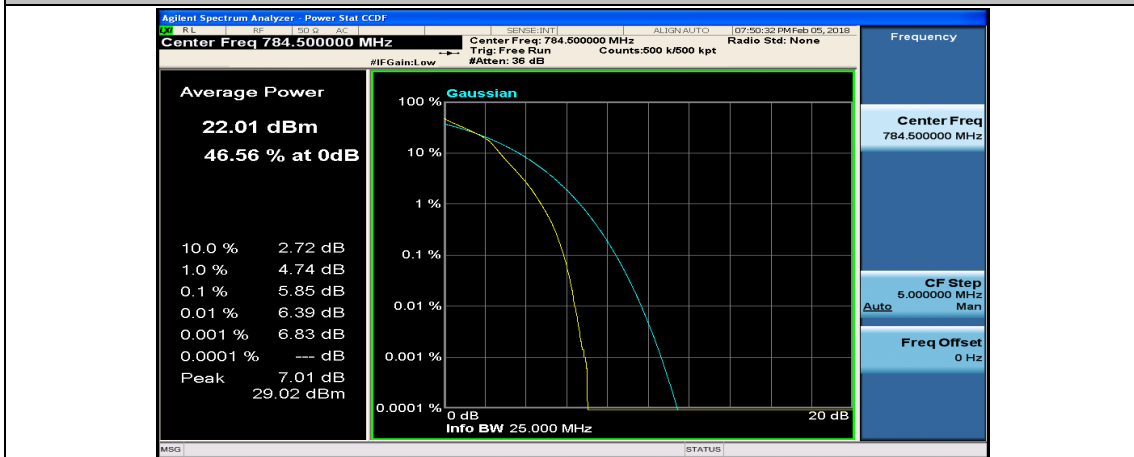




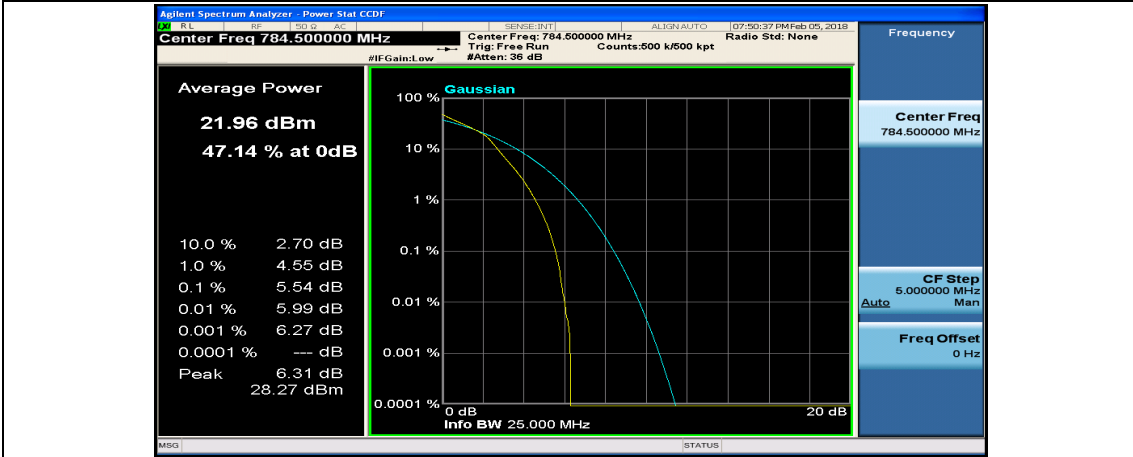
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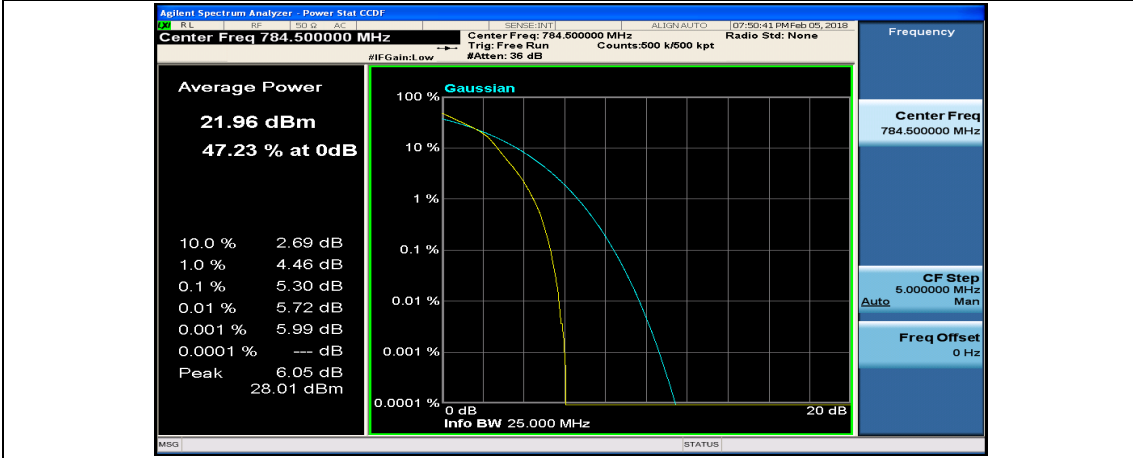
(Channel Bandwidth: 5 MHz)\_HCH\_16QAM\_12RB#0



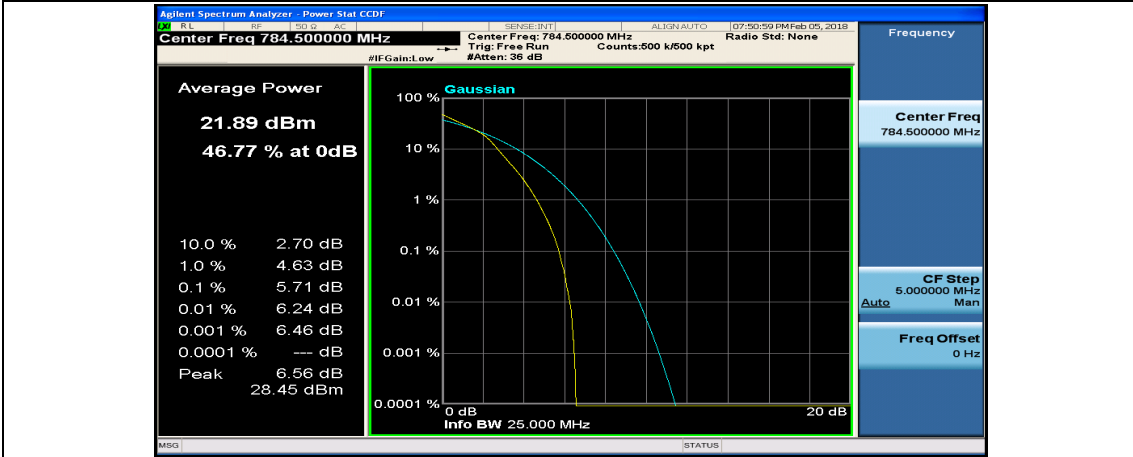
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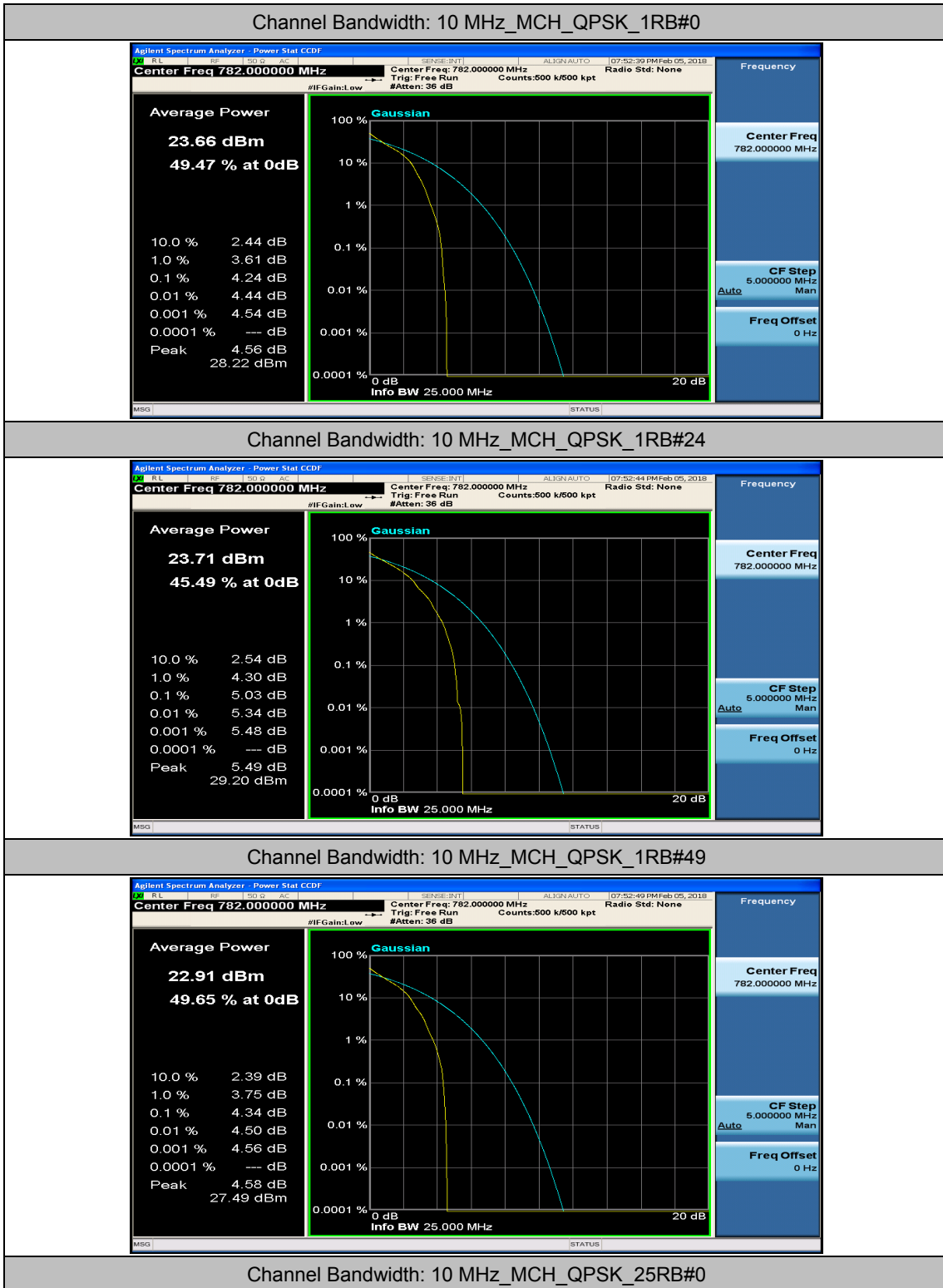
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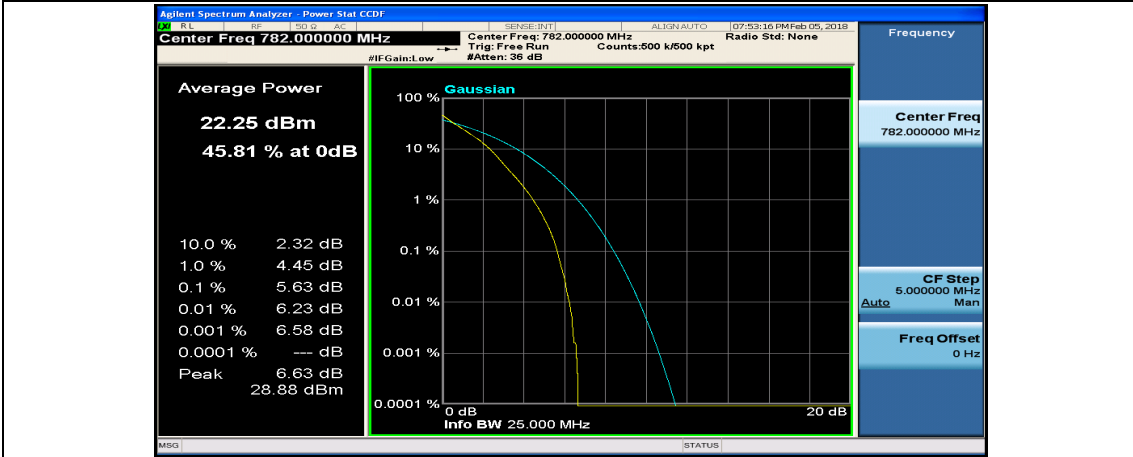


(Channel Bandwidth: 5 MHz)\_HCH\_16QAM\_25RB#0

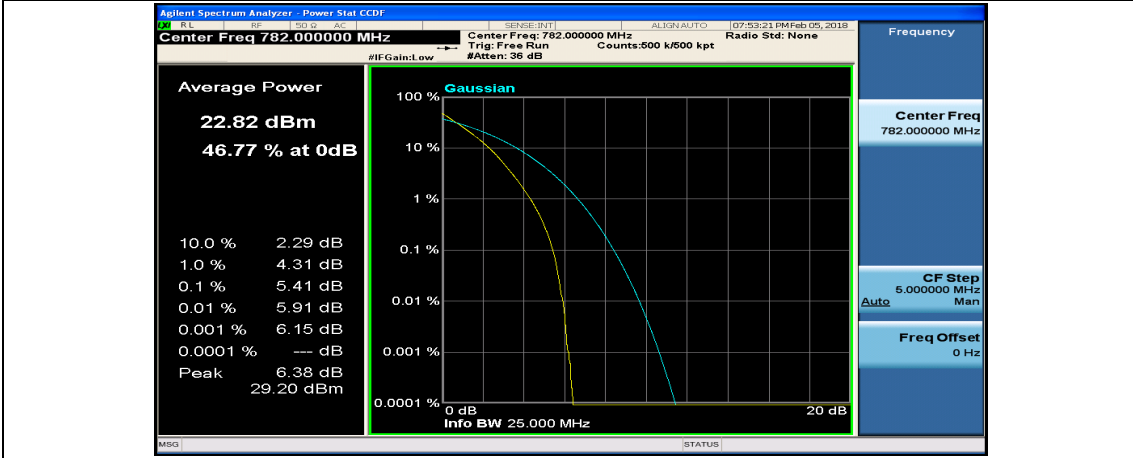


### Channel Bandwidth: 10 MHz

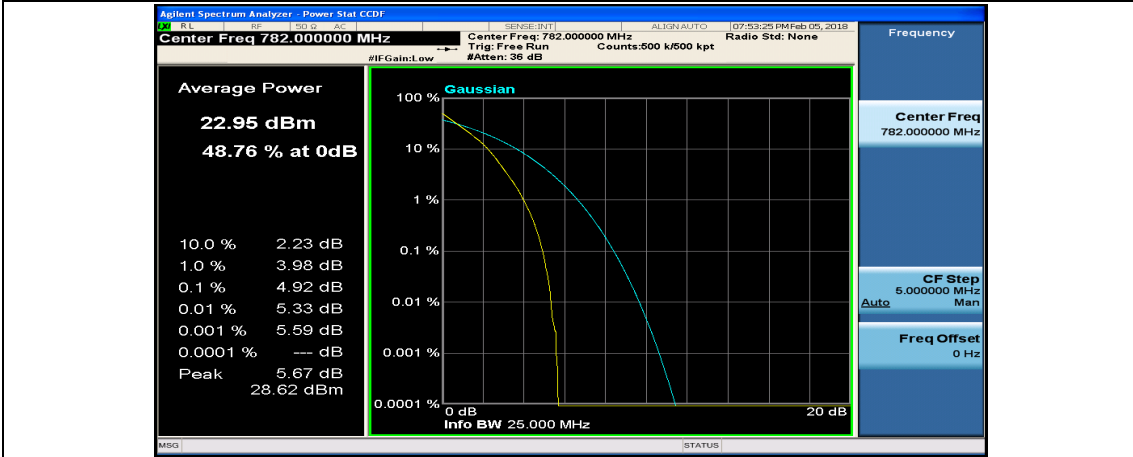




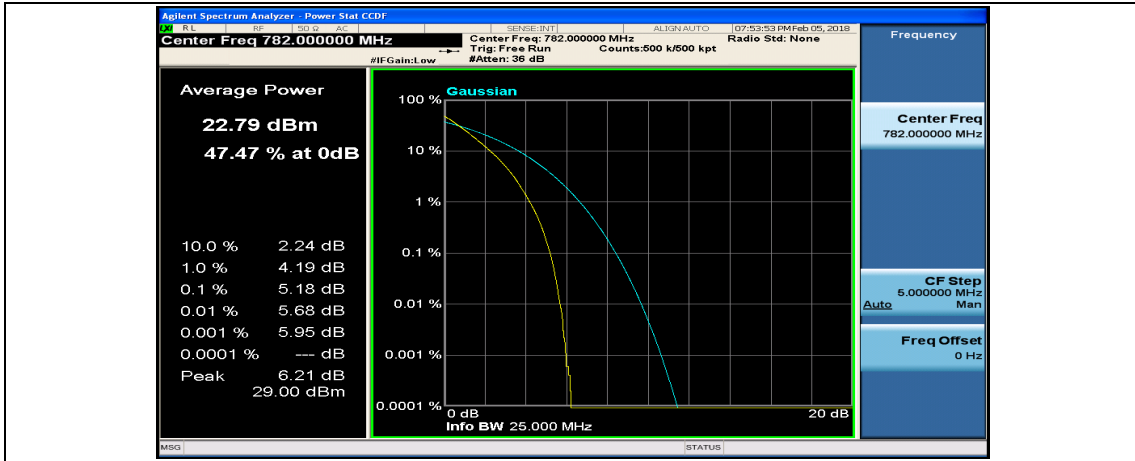
Channel Bandwidth: 10 MHz\_MCH\_QPSK\_25RB#12



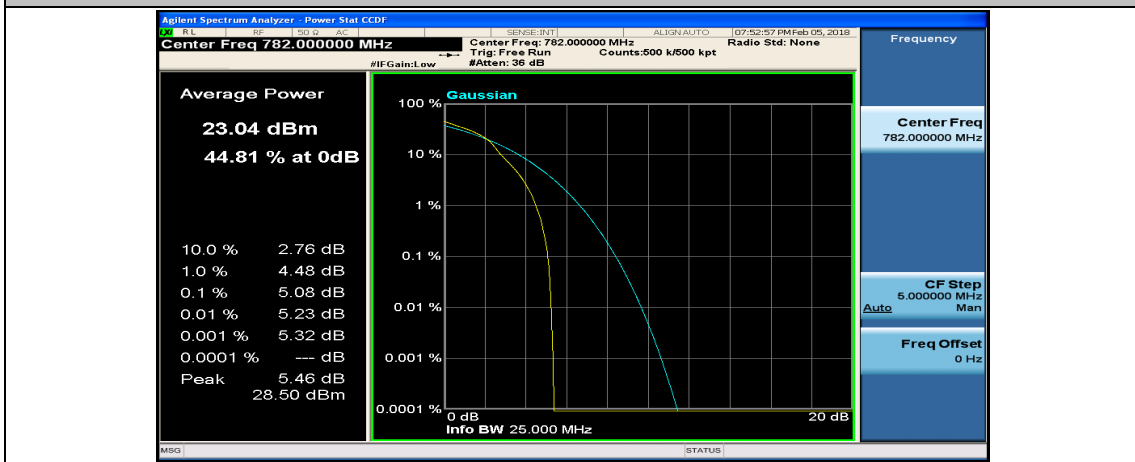
Channel Bandwidth: 10 MHz\_MCH\_QPSK\_25RB#25



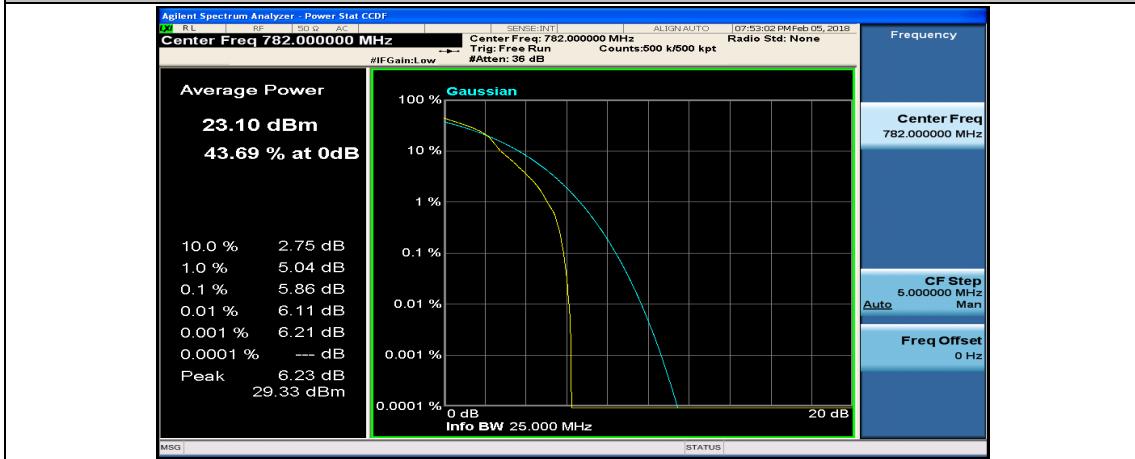
Channel Bandwidth: 10 MHz\_MCH\_QPSK\_50RB#0



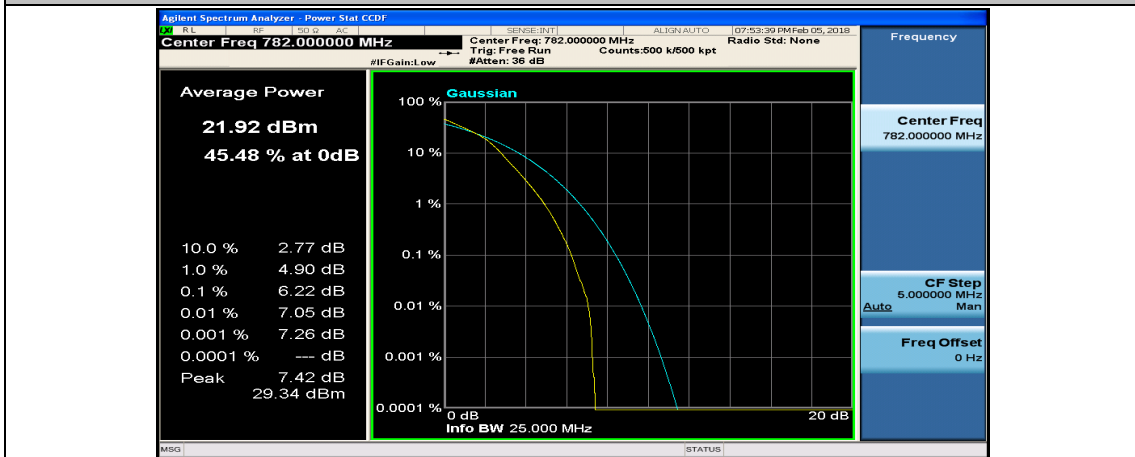
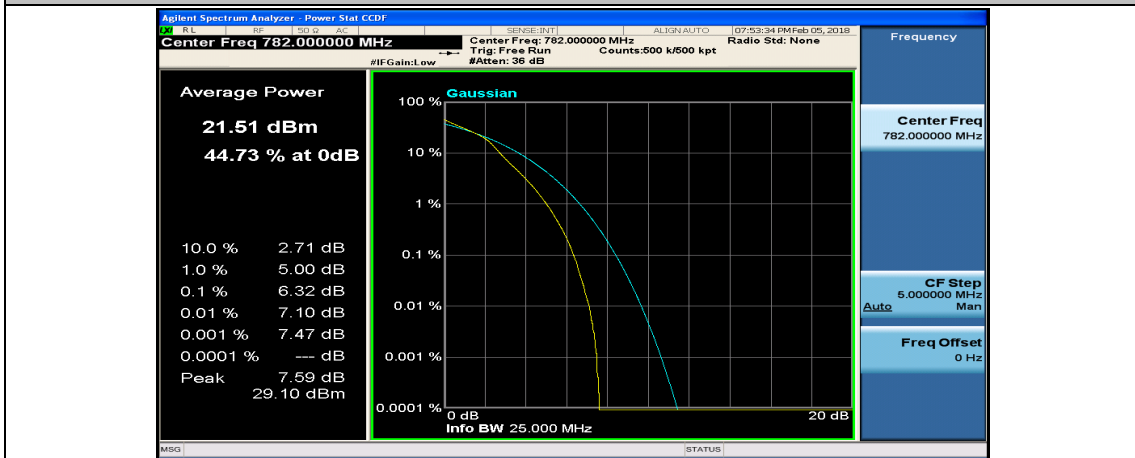
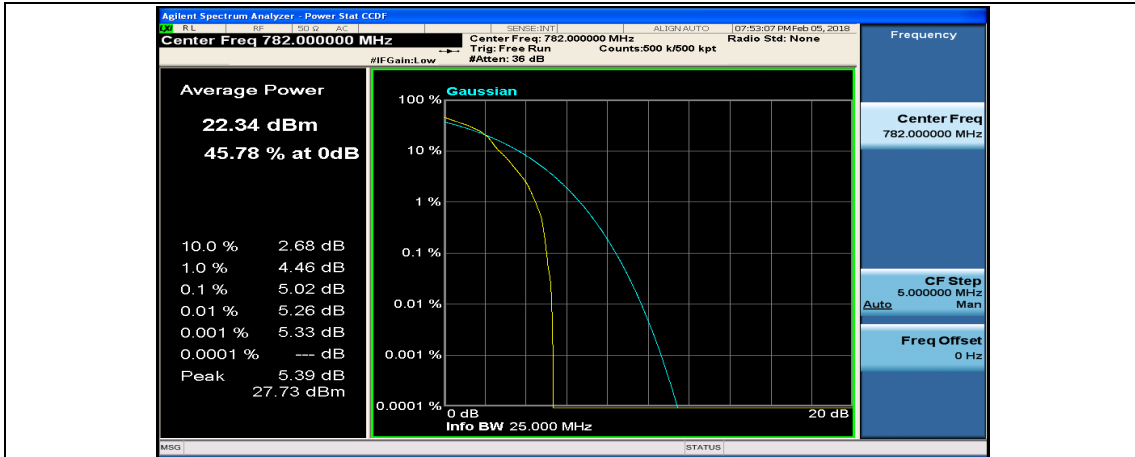
Channel Bandwidth: 10 MHz\_MCH\_16QAM\_1RB#0

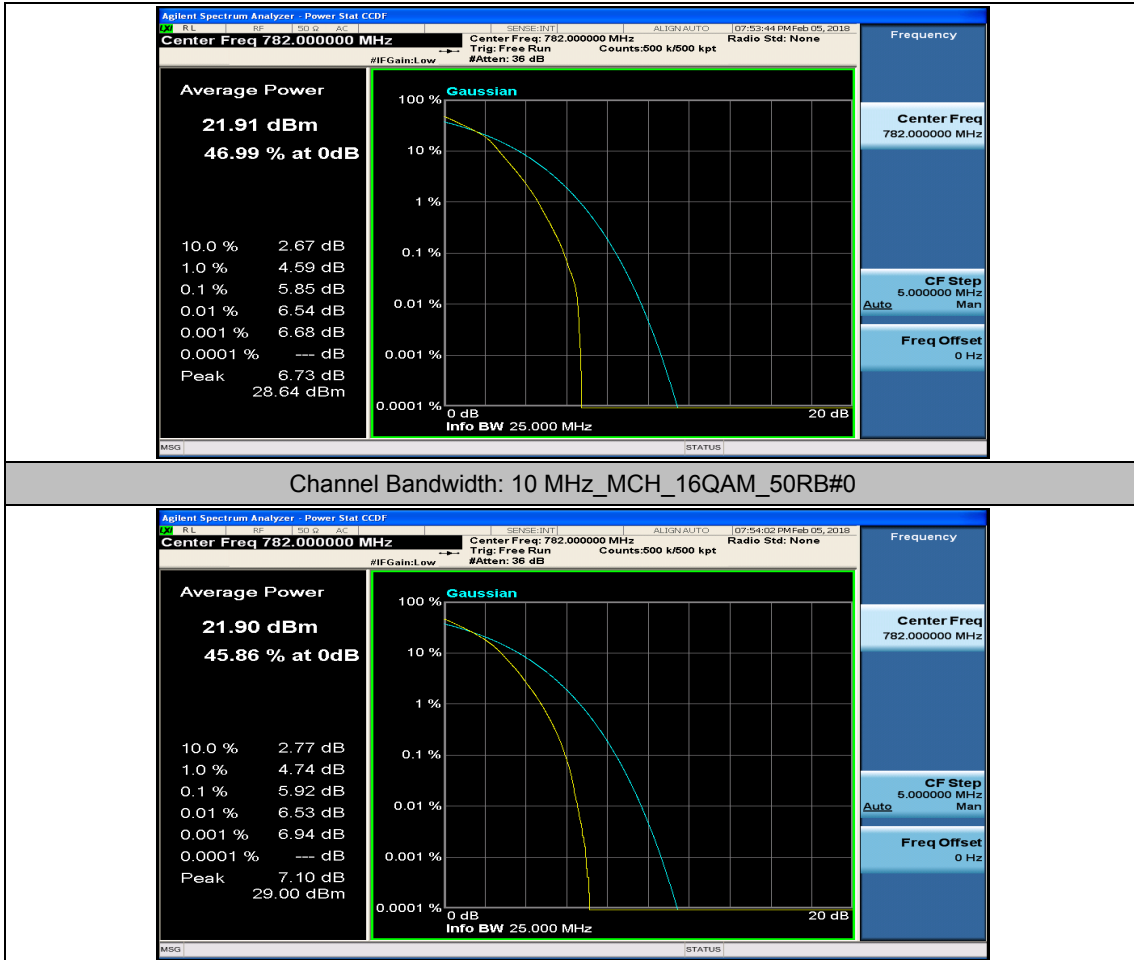


Channel Bandwidth: 10 MHz\_MCH\_16QAM\_1RB#24



Channel Bandwidth: 10 MHz\_MCH\_16QAM\_1RB#49





## Appendix C: 26dB Bandwidth and Occupied Bandwidth

### Test Result

#### Channel Bandwidth: 5 MHz

Channel Bandwidth: 5 MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		Size	Offset			
QPSK	LCH	25	0	4.4794	4.848	PASS
	MCH	25	0	4.4778	4.790	PASS
	HCH	25	0	4.4797	4.797	PASS
16QAM	LCH	25	0	4.4857	4.838	PASS
	MCH	25	0	4.4787	4.792	PASS
	HCH	25	0	4.4799	4.828	PASS

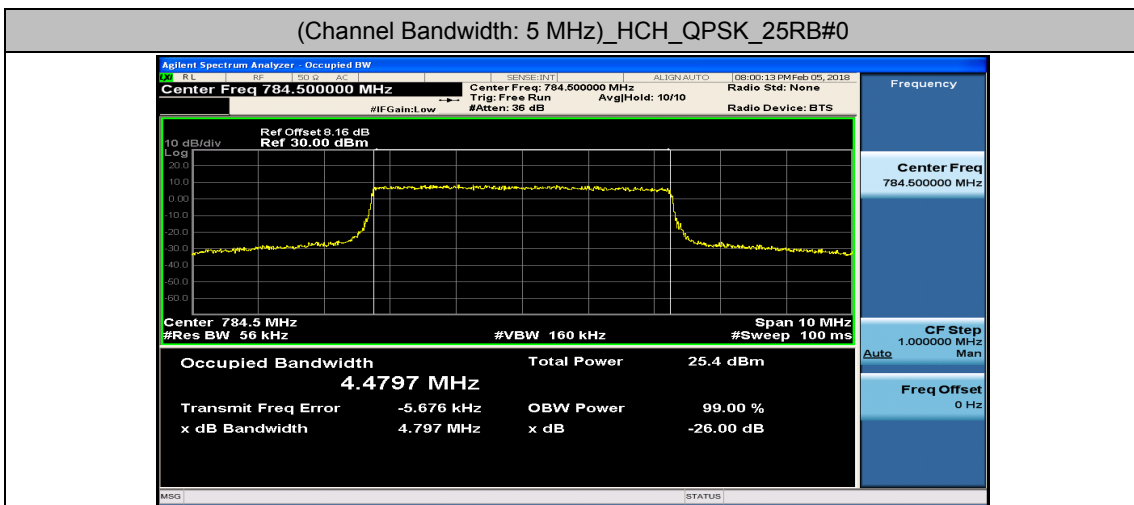
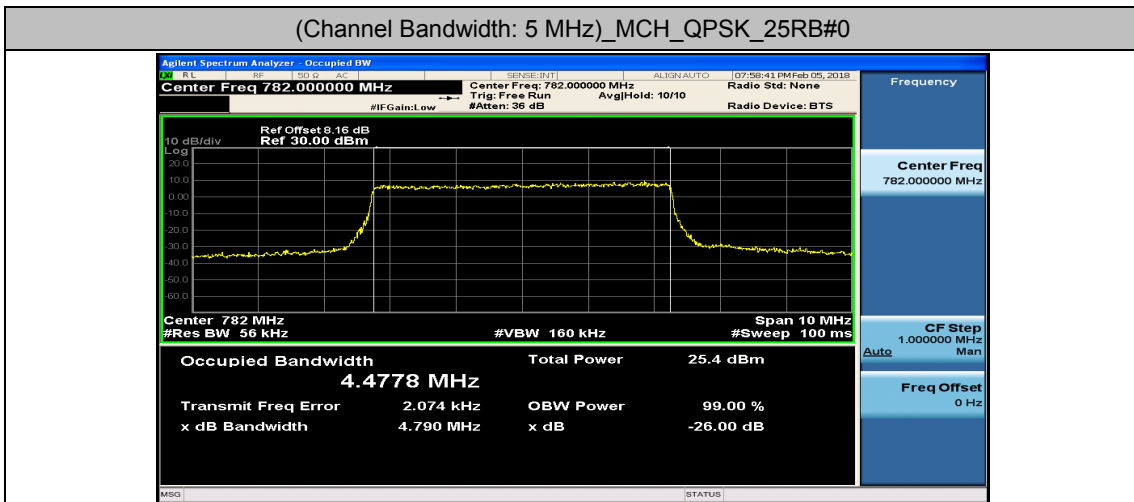
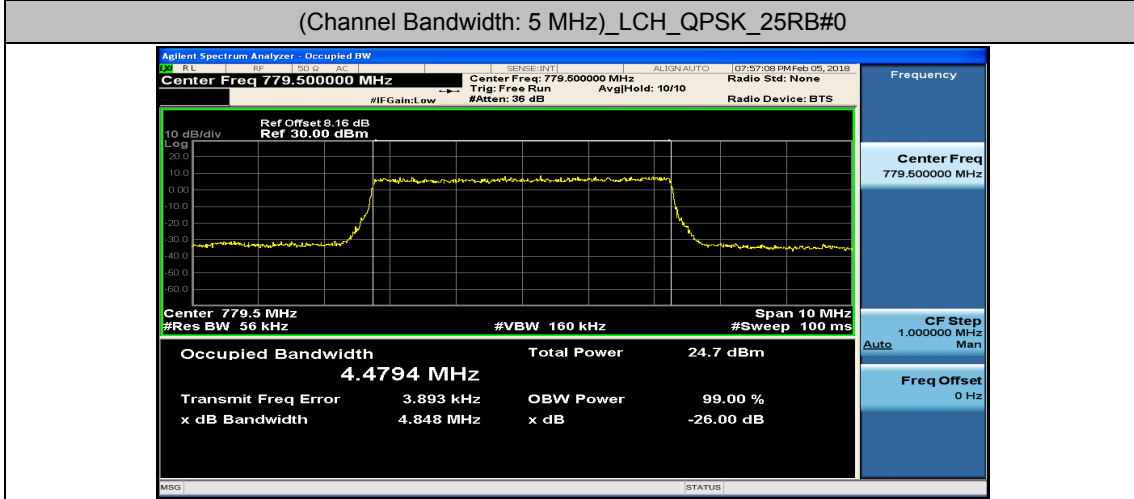
#### Channel Bandwidth: 10 MHz

Channel Bandwidth: 10 MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		Size	Offset			
QPSK	MCH	50	0	8.9231	9.444	PASS
16QAM	MCH	50	0	8.9207	9.387	PASS

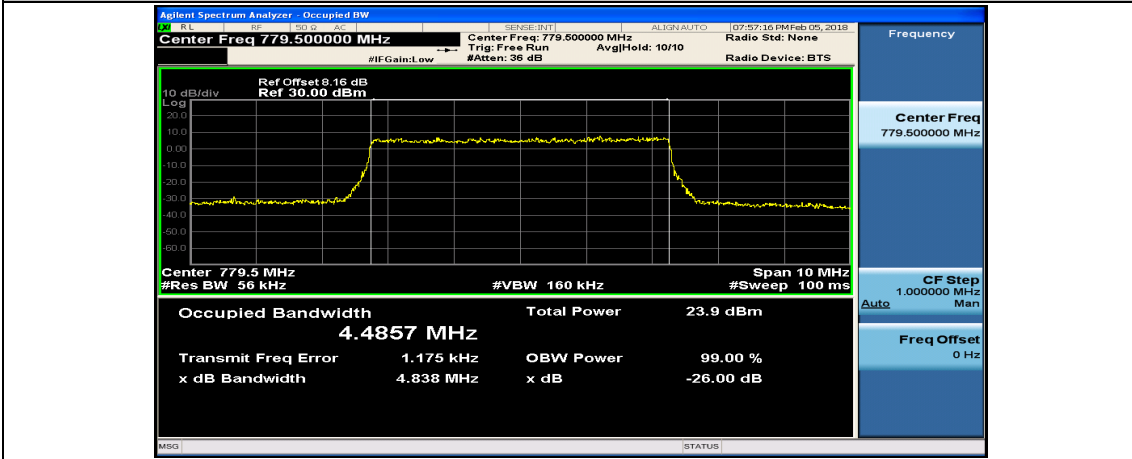


## Test Graphs

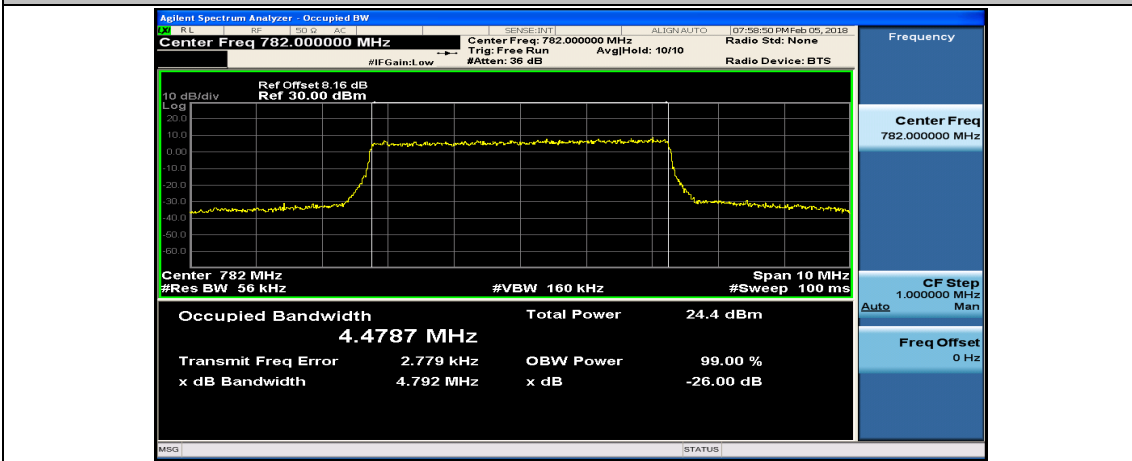
### Channel Bandwidth: 5 MHz



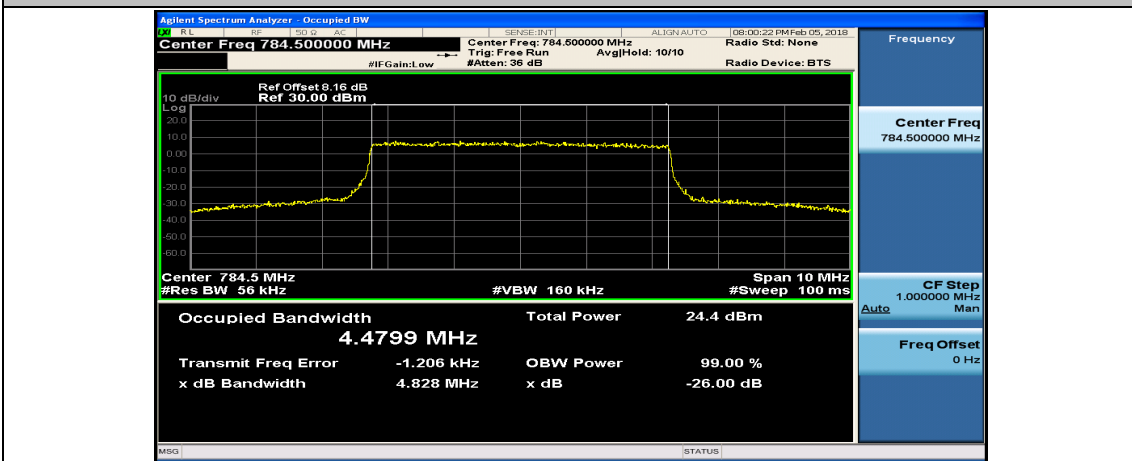
(Channel Bandwidth: 5 MHz)\_LCH\_16QAM\_25RB#0



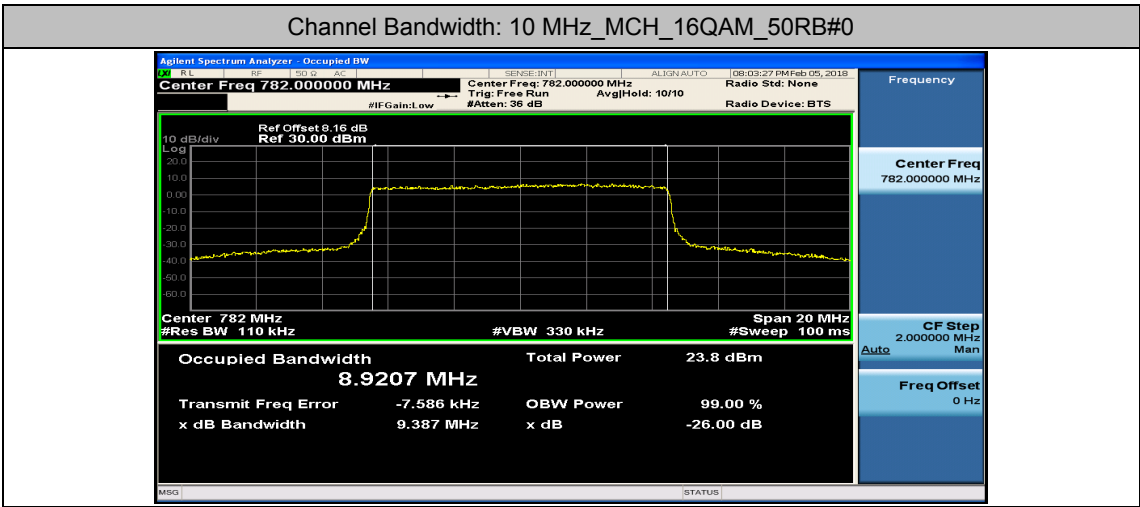
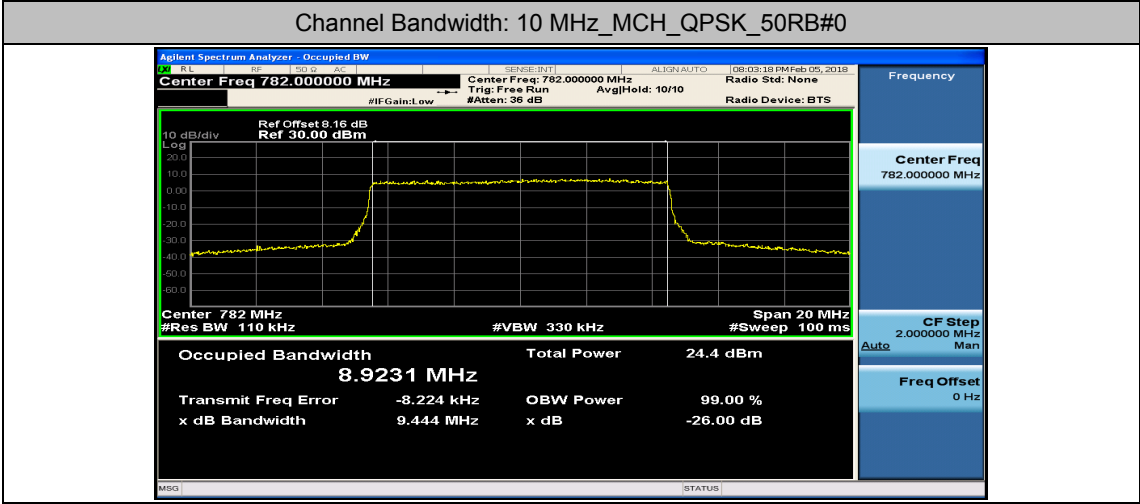
(Channel Bandwidth: 5 MHz)\_MCH\_16QAM\_25RB#0



(Channel Bandwidth: 5 MHz)\_HCH\_16QAM\_25RB#0



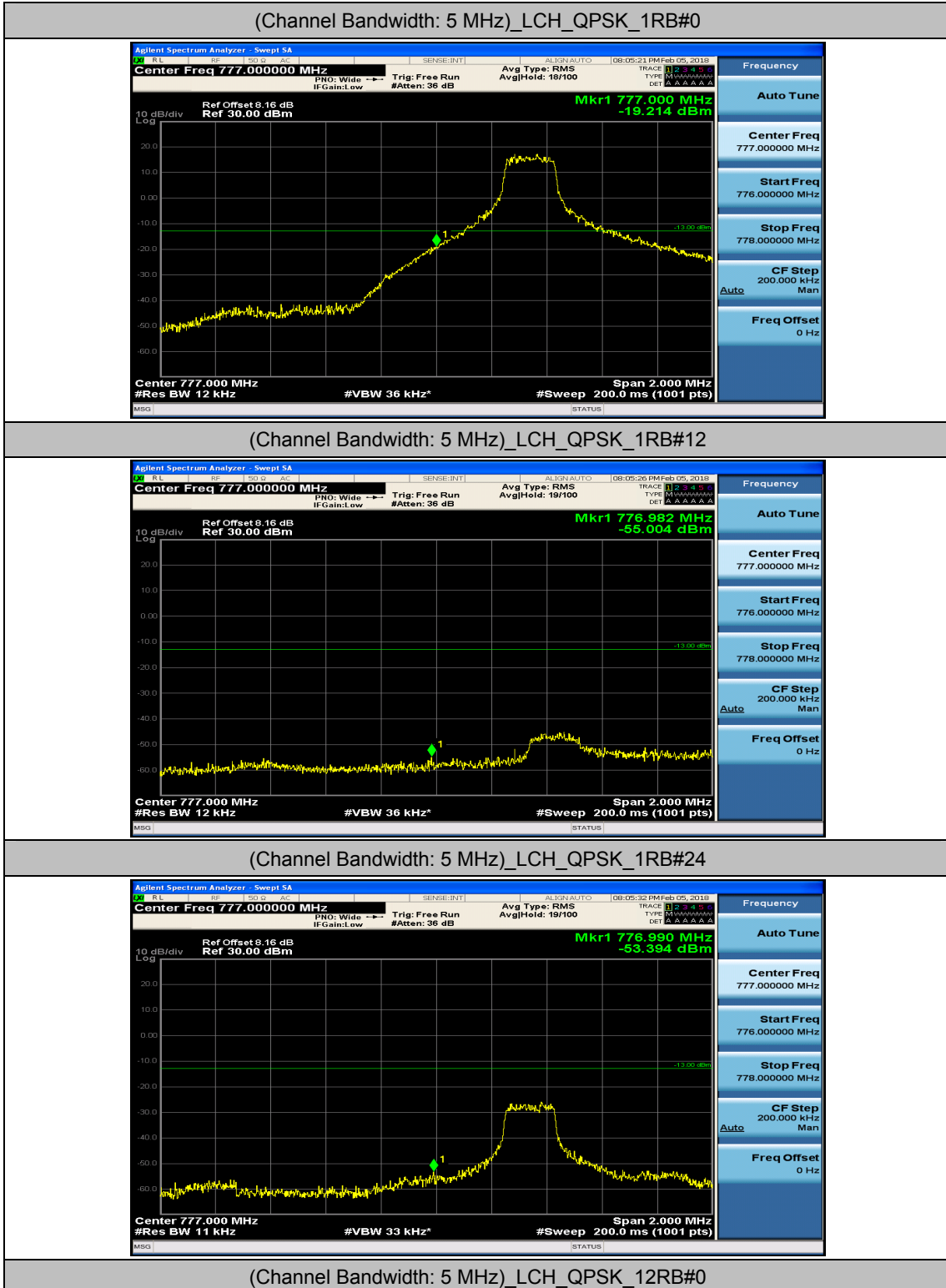
## Channel Bandwidth: 10 MHz

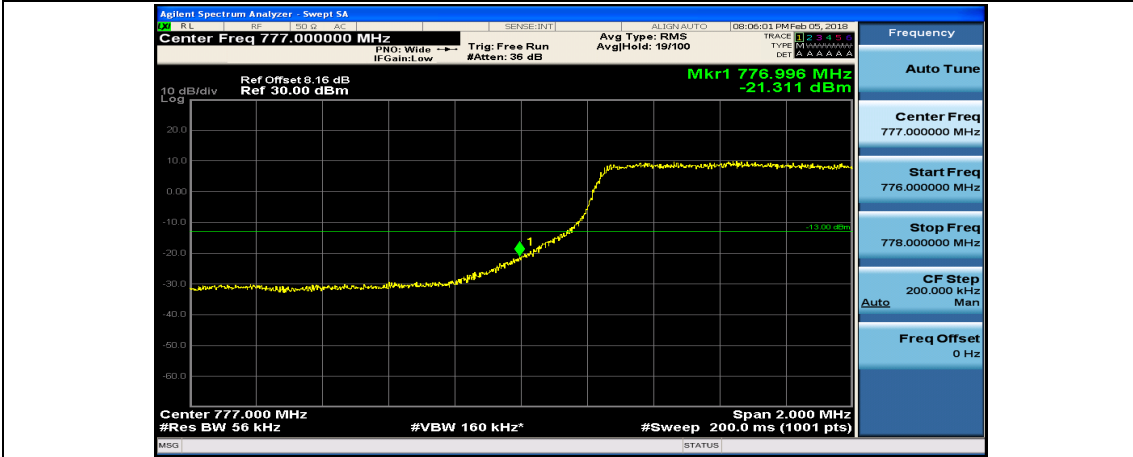


## Appendix D: Band Edge

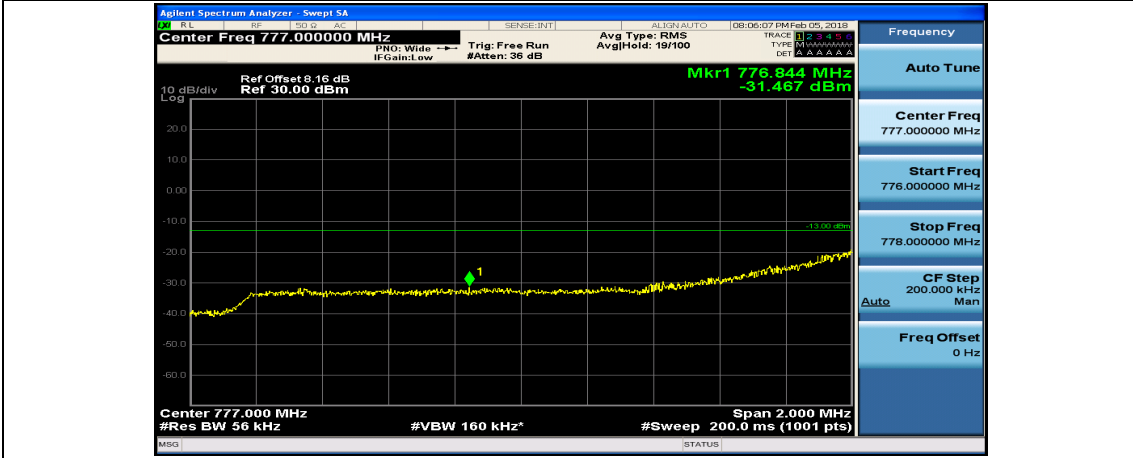
### Test Graphs

#### Channel Bandwidth: 5 MHz

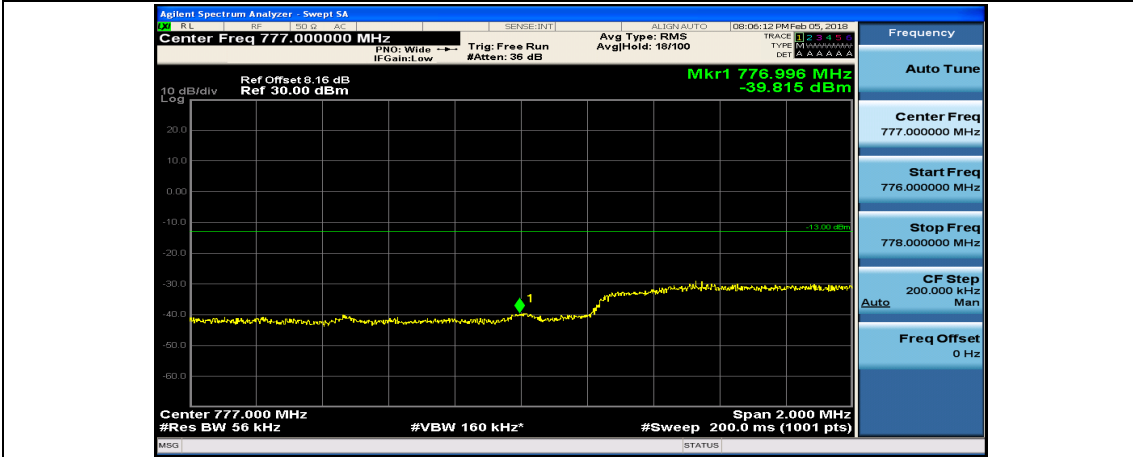




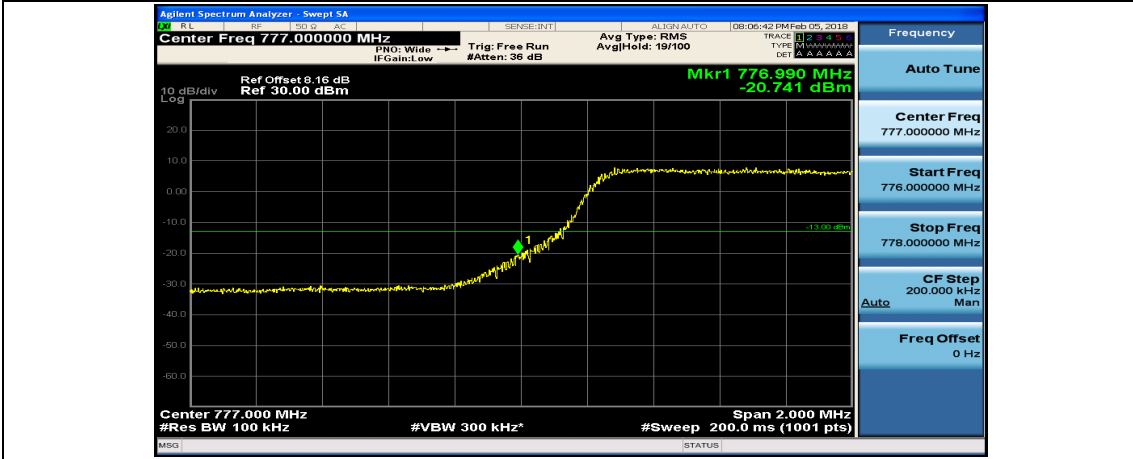
(Channel Bandwidth: 5 MHz)\_LCH\_QPSK\_12RB#6



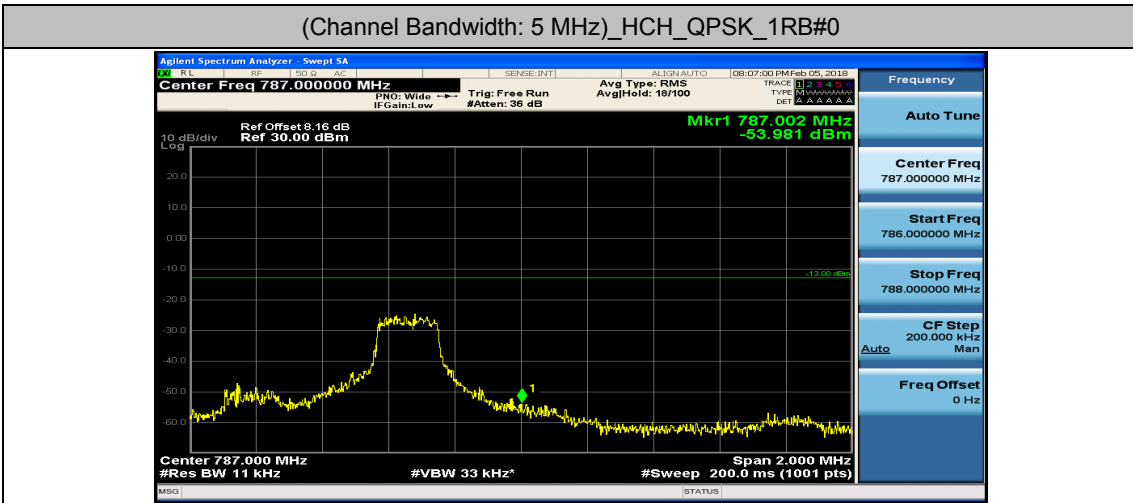
(Channel Bandwidth: 5 MHz)\_LCH\_QPSK\_12RB#13



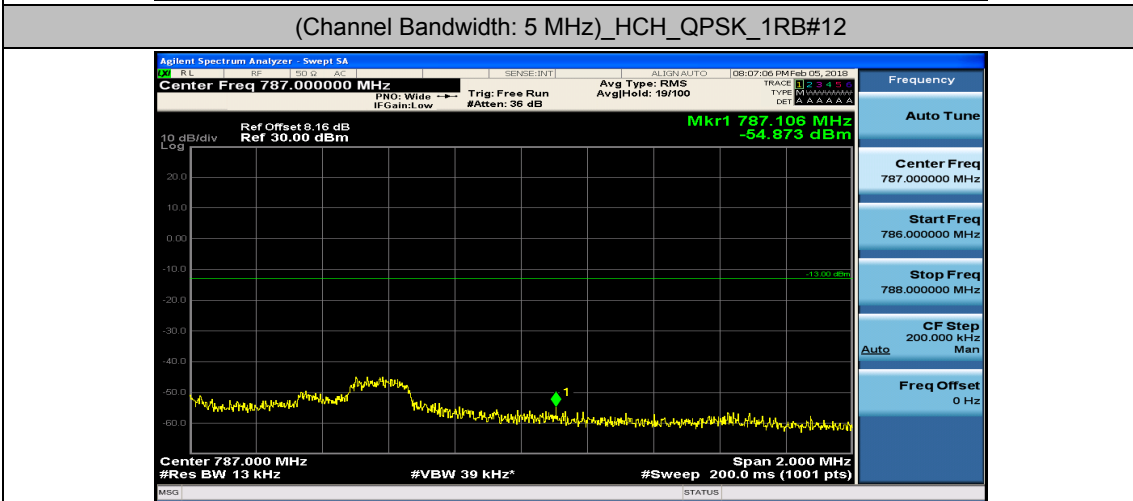
(Channel Bandwidth: 5 MHz)\_LCH\_QPSK\_25RB#0



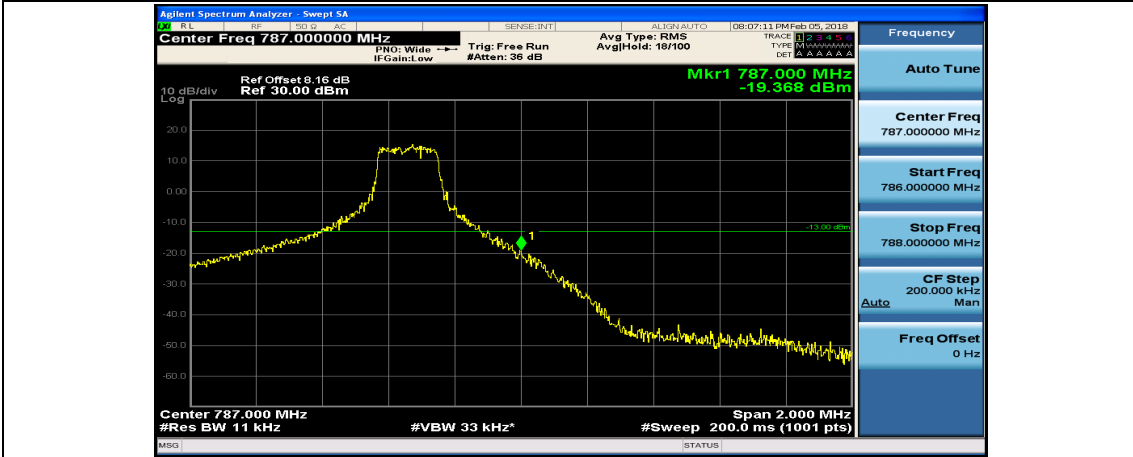
(Channel Bandwidth: 5 MHz)\_HCH\_QPSK\_1RB#0



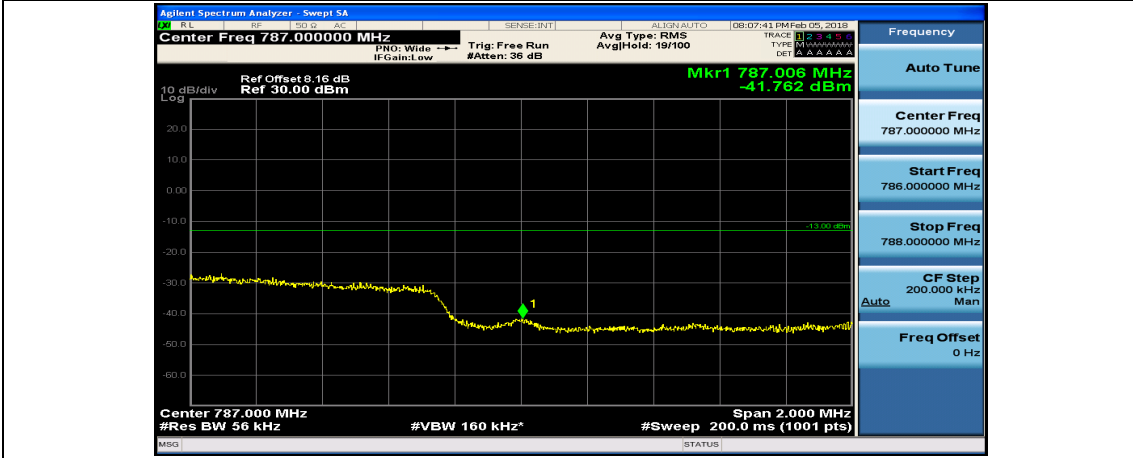
(Channel Bandwidth: 5 MHz)\_HCH\_QPSK\_1RB#12



(Channel Bandwidth: 5 MHz)\_HCH\_QPSK\_1RB#24



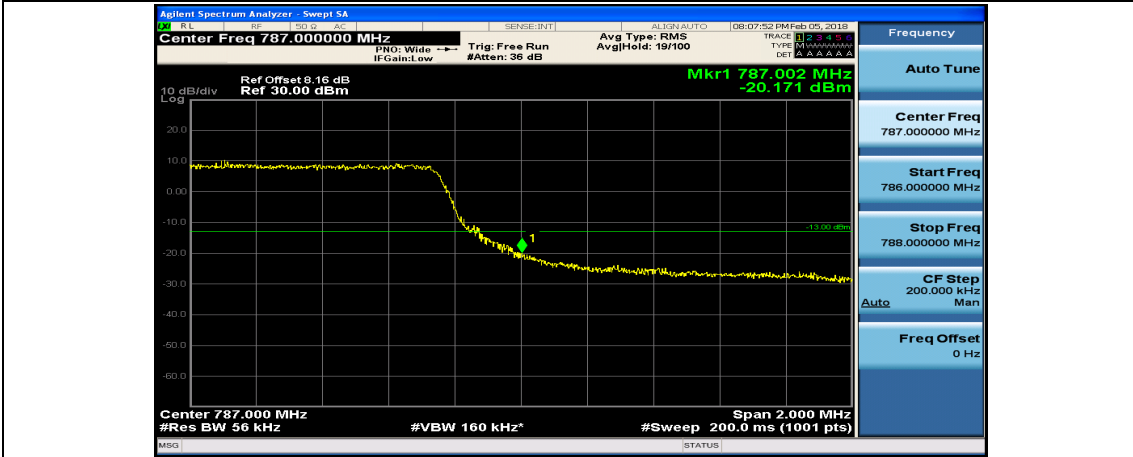
(Channel Bandwidth: 5 MHz)\_HCH\_QPSK\_12RB#0



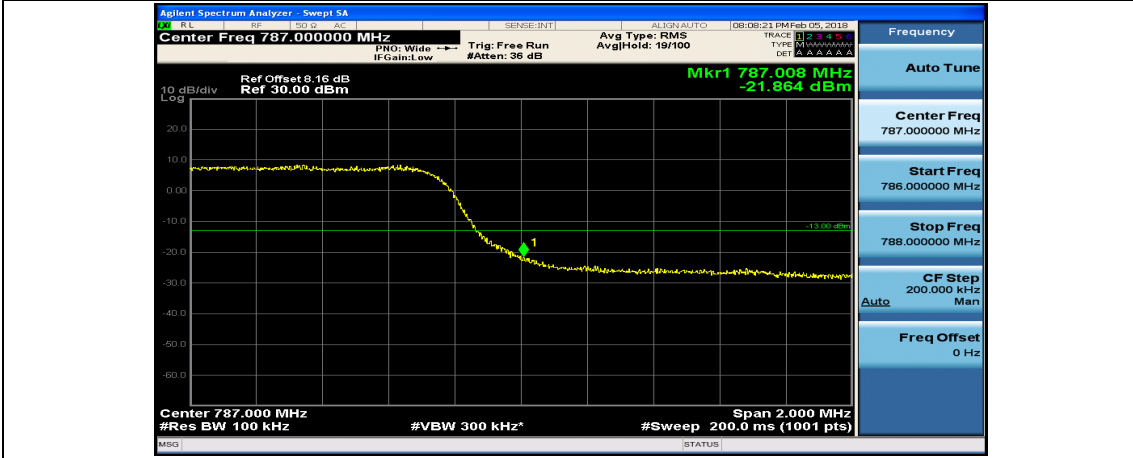
(Channel Bandwidth: 5 MHz)\_HCH\_QPSK\_12RB#6



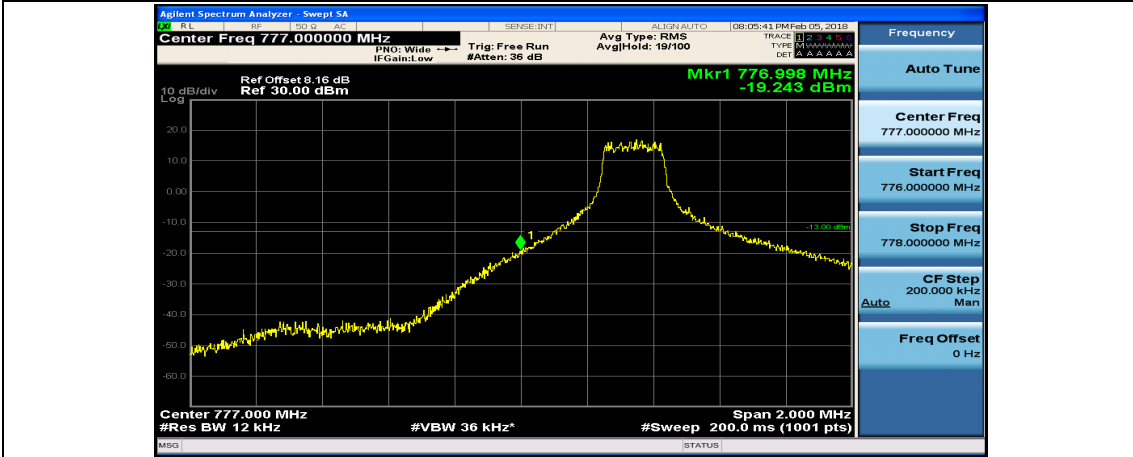
(Channel Bandwidth: 5 MHz)\_HCH\_QPSK\_12RB#13



(Channel Bandwidth: 5 MHz)\_HCH\_QPSK\_25RB#0

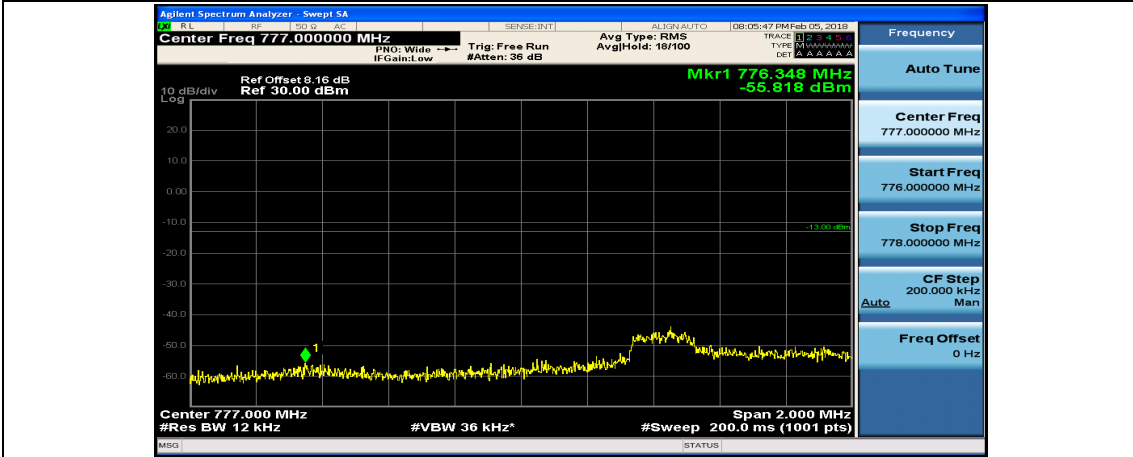


(Channel Bandwidth: 5 MHz)\_LCH\_16QAM\_1RB#0

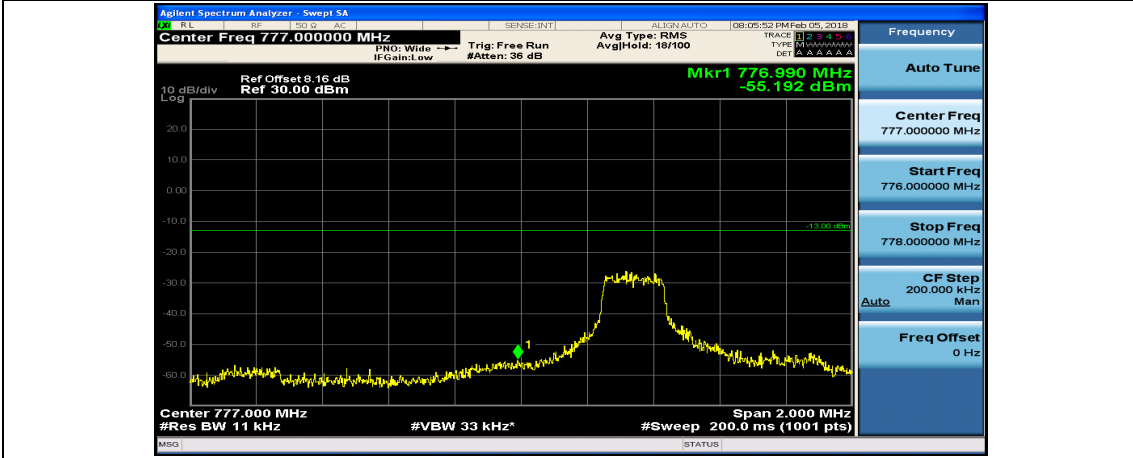


(Channel Bandwidth: 5 MHz)\_LCH\_16QAM\_1RB#12

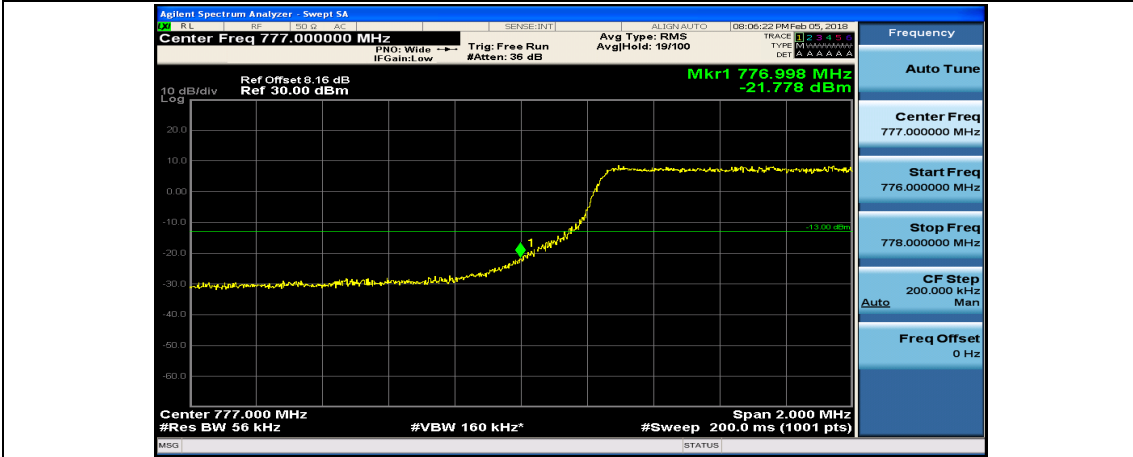




(Channel Bandwidth: 5 MHz)\_LCH\_16QAM\_1RB#24



(Channel Bandwidth: 5 MHz)\_LCH\_16QAM\_12RB#0



(Channel Bandwidth: 5 MHz)\_LCH\_16QAM\_12RB#6