

## Appendix for Band 7

### 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	22.43	PASS
		1	12	22.45	PASS
		1	24	22.36	PASS
		12	0	21.5	PASS
		12	6	21.64	PASS
		12	13	21.62	PASS
		25	0	21.47	PASS
	MCH	1	0	22.26	PASS
		1	12	22.45	PASS
		1	24	22.6	PASS
		12	0	21.65	PASS
		12	6	21.53	PASS
		12	13	21.65	PASS
		25	0	21.51	PASS
	HCH	1	0	23.15	PASS
		1	12	22.9	PASS
		1	24	23.5	PASS
		12	0	22.39	PASS
		12	6	22.33	PASS
		12	13	22.35	PASS
		25	0	22.33	PASS
16QAM	LCH	1	0	21.63	PASS
		1	12	21.65	PASS
		1	24	21.62	PASS
		12	0	20.54	PASS
		12	6	20.53	PASS
		12	13	20.53	PASS
		25	0	20.43	PASS
	MCH	1	0	21.42	PASS
		1	12	21.64	PASS
		1	24	21.79	PASS

		12	0	20.52	PASS
		12	6	20.59	PASS
		12	13	20.71	PASS
		25	0	20.51	PASS
	HCH	1	0	22.39	PASS
		1	12	22.39	PASS
		1	24	22.34	PASS
		12	0	21.33	PASS
		12	6	21.3	PASS
		12	13	21.29	PASS
		25	0	21.31	PASS

### Channel Bandwidth: 10 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	22.36	PASS
		1	24	22.29	PASS
		1	49	22.17	PASS
		25	0	21.5	PASS
		25	12	21.46	PASS
		25	25	21.38	PASS
		50	0	21.47	PASS
	MCH	1	0	22.11	PASS
		1	24	22.42	PASS
		1	49	22.75	PASS
		25	0	21.35	PASS
		25	12	21.53	PASS
		25	25	21.73	PASS
		50	0	21.59	PASS
	HCH	1	0	22.72	PASS
		1	24	22.88	PASS
		1	49	23.2	PASS
		25	0	22.1	PASS
		25	12	22.35	PASS
		25	25	22.38	PASS
		50	0	22.34	PASS
16QAM	LCH	1	0	21.6	PASS
		1	24	21.56	PASS
		1	49	21.37	PASS
		25	0	20.49	PASS
		25	12	20.45	PASS
		25	25	20.4	PASS

	MCH	50	0	20.48	PASS
		1	0	21.41	PASS
		1	24	21.74	PASS
		1	49	22.09	PASS
		25	0	20.36	PASS
		25	12	20.54	PASS
		25	25	20.73	PASS
		50	0	20.62	PASS
	HCH	1	0	21.96	PASS
		1	24	22.23	PASS
		1	49	22.32	PASS
		25	0	21.29	PASS
		25	12	21.35	PASS
		25	25	21.32	PASS
		50	0	21.43	PASS

### Channel Bandwidth: 15 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	22.4	PASS
		1	37	22.35	PASS
		1	74	22.04	PASS
		37	0	21.58	PASS
		37	18	21.5	PASS
		37	38	21.44	PASS
		75	0	21.55	PASS
	MCH	1	0	22.09	PASS
		1	37	22.5	PASS
		1	74	23.05	PASS
		37	0	21.34	PASS
		37	18	21.58	PASS
		37	38	21.88	PASS
		75	0	21.7	PASS
	HCH	1	0	22.9	PASS
		1	37	22.57	PASS
		1	74	23.22	PASS
		37	0	22.13	PASS
		37	18	22.08	PASS
		37	38	22.35	PASS
		75	0	22.23	PASS
16QAM	LCH	1	0	21.66	PASS
		1	37	21.55	PASS

		1	74	21.2	PASS
		37	0	20.51	PASS
		37	18	20.44	PASS
		37	38	20.33	PASS
		75	0	20.46	PASS
	MCH	1	0	21.23	PASS
		1	37	21.66	PASS
		1	74	22.16	PASS
		37	0	20.36	PASS
		37	18	20.58	PASS
		37	38	20.87	PASS
		75	0	20.67	PASS
	HCH	1	0	22.22	PASS
		1	37	21.9	PASS
		1	74	22.32	PASS
		37	0	21.34	PASS
		37	18	21.28	PASS
		37	38	21.43	PASS
		75	0	21.42	PASS

### Channel Bandwidth: 20 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	22.9	PASS
		1	49	22.33	PASS
		1	99	22.55	PASS
		50	0	22.27	PASS
		50	25	21.3	PASS
		50	50	21.14	PASS
		100	0	21.29	PASS
	MCH	1	0	22.83	PASS
		1	49	22.57	PASS
		1	99	23.4	PASS
		50	0	22.32	PASS
		50	25	21.6	PASS
		50	50	21.99	PASS
		100	0	21.66	PASS
	HCH	1	0	23.5	PASS
		1	49	22.56	PASS
		1	99	23.19	PASS
		50	0	22.75	PASS
		50	25	22.08	PASS

		50	50	22.27	PASS
		100	0	22.57	PASS
16QAM	LCH	1	0	21.63	PASS
		1	49	21.37	PASS
		1	99	21.64	PASS
		50	0	20.44	PASS
		50	25	20.58	PASS
		50	50	20.45	PASS
		100	0	20.36	PASS
		MCH	1	0	21.21
	1		49	21.84	PASS
	1		99	22.48	PASS
	50		0	20.34	PASS
	50		25	20.62	PASS
	50		50	21.02	PASS
	100		0	20.65	PASS
	HCH	1	0	22.48	PASS
		1	49	22	PASS
		1	99	22.41	PASS
		50	0	21.49	PASS
		50	25	21.32	PASS
		50	50	21.34	PASS
		100	0	21.48	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	3.1	<13	PASS
		1	12	3.39	<13	PASS
		1	24	3.44	<13	PASS
		12	0	4.86	<13	PASS
		12	6	4.92	<13	PASS
		12	13	4.94	<13	PASS
		25	0	5.00	<13	PASS
	MCH	1	0	3.35	<13	PASS
		1	12	3.40	<13	PASS
		1	24	3.39	<13	PASS
		12	0	4.93	<13	PASS
		12	6	4.96	<13	PASS
		12	13	4.98	<13	PASS
		25	0	5.19	<13	PASS
	HCH	1	0	2.82	<13	PASS
		1	12	3.00	<13	PASS
		1	24	2.31	<13	PASS
		12	0	4.06	<13	PASS
		12	6	4.06	<13	PASS
		12	13	4.11	<13	PASS
		25	0	4.24	<13	PASS
16QAM	LCH	1	0	4.27	<13	PASS
		1	12	4.41	<13	PASS
		1	24	4.46	<13	PASS
		12	0	5.63	<13	PASS
		12	6	5.73	<13	PASS
		12	13	5.75	<13	PASS
		25	0	5.76	<13	PASS
	MCH	1	0	4.45	<13	PASS
		1	12	4.43	<13	PASS
		1	24	4.45	<13	PASS
		12	0	5.78	<13	PASS
		12	6	5.81	<13	PASS

		12	13	5.83	<13	PASS
		25	0	5.95	<13	PASS
	HCH	1	0	3.38	<13	PASS
		1	12	3.58	<13	PASS
		1	24	3.51	<13	PASS
		12	0	4.91	<13	PASS
		12	6	4.95	<13	PASS
		12	13	4.94	<13	PASS
		25	0	5.07	<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	LCH	1	0	3.17	<13	PASS
		1	24	3.06	<13	PASS
		1	49	2.71	<13	PASS
		25	0	4.83	<13	PASS
		25	12	4.67	<13	PASS
		25	25	4.42	<13	PASS
		50	0	4.70	<13	PASS
	MCH	1	0	3.12	<13	PASS
		1	24	3.24	<13	PASS
		1	49	3.13	<13	PASS
		25	0	5.07	<13	PASS
		25	12	5.14	<13	PASS
		25	25	5.05	<13	PASS
		50	0	5.19	<13	PASS
	HCH	1	0	3.19	<13	PASS
		1	24	3.10	<13	PASS
		1	49	2.60	<13	PASS
		25	0	4.62	<13	PASS
		25	12	4.46	<13	PASS
		25	25	4.17	<13	PASS
		50	0	4.54	<13	PASS
16QAM	LCH	1	0	4.14	<13	PASS
		1	24	4.21	<13	PASS
		1	49	3.89	<13	PASS
		25	0	5.73	<13	PASS
		25	12	5.61	<13	PASS
		25	25	5.32	<13	PASS

	MCH	50	0	5.57	<13	PASS
		1	0	4.35	<13	PASS
		1	24	4.44	<13	PASS
		1	49	4.41	<13	PASS
		25	0	5.89	<13	PASS
		25	12	5.97	<13	PASS
		25	25	5.90	<13	PASS
		50	0	5.98	<13	PASS
	HCH	1	0	4.28	<13	PASS
		1	24	3.94	<13	PASS
		1	49	3.61	<13	PASS
		25	0	5.37	<13	PASS
		25	12	5.27	<13	PASS
		25	25	5.06	<13	PASS
		50	0	5.34	<13	PASS

**Channel Bandwidth: 15 MHz**

Channel Bandwidth: 15 MHz						
Modulation	Channel	RB Configuration		Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
		Size	Offset			
QPSK	LCH	1	0	3.2	<13	PASS
		1	37	2.78	<13	PASS
		1	74	2.74	<13	PASS
		37	0	4.65	<13	PASS
		37	18	4.29	<13	PASS
		37	38	3.92	<13	PASS
		75	0	4.63	<13	PASS
	MCH	1	0	2.98	<13	PASS
		1	37	3.21	<13	PASS
		1	74	3.03	<13	PASS
		37	0	5.00	<13	PASS
		37	18	5.10	<13	PASS
		37	38	5.00	<13	PASS
		75	0	5.31	<13	PASS
	HCH	1	0	2.97	<13	PASS
		1	37	3.23	<13	PASS
		1	74	2.46	<13	PASS
		37	0	4.62	<13	PASS
		37	18	4.68	<13	PASS
		37	38	4.47	<13	PASS
		75	0	4.95	<13	PASS



16QAM	LCH	1	0	4.07	<13	PASS
		1	37	3.96	<13	PASS
		1	74	3.75	<13	PASS
		37	0	5.59	<13	PASS
		37	18	5.29	<13	PASS
		37	38	4.91	<13	PASS
		75	0	5.49	<13	PASS
	MCH	1	0	4.12	<13	PASS
		1	37	4.36	<13	PASS
		1	74	4.15	<13	PASS
		37	0	5.85	<13	PASS
		37	18	5.94	<13	PASS
		37	38	5.85	<13	PASS
		75	0	6.01	<13	PASS
	HCH	1	0	3.98	<13	PASS
		1	37	4.19	<13	PASS
		1	74	3.5	<13	PASS
		37	0	5.29	<13	PASS
		37	18	5.38	<13	PASS
		37	38	5.25	<13	PASS
		75	0	5.57	<13	PASS

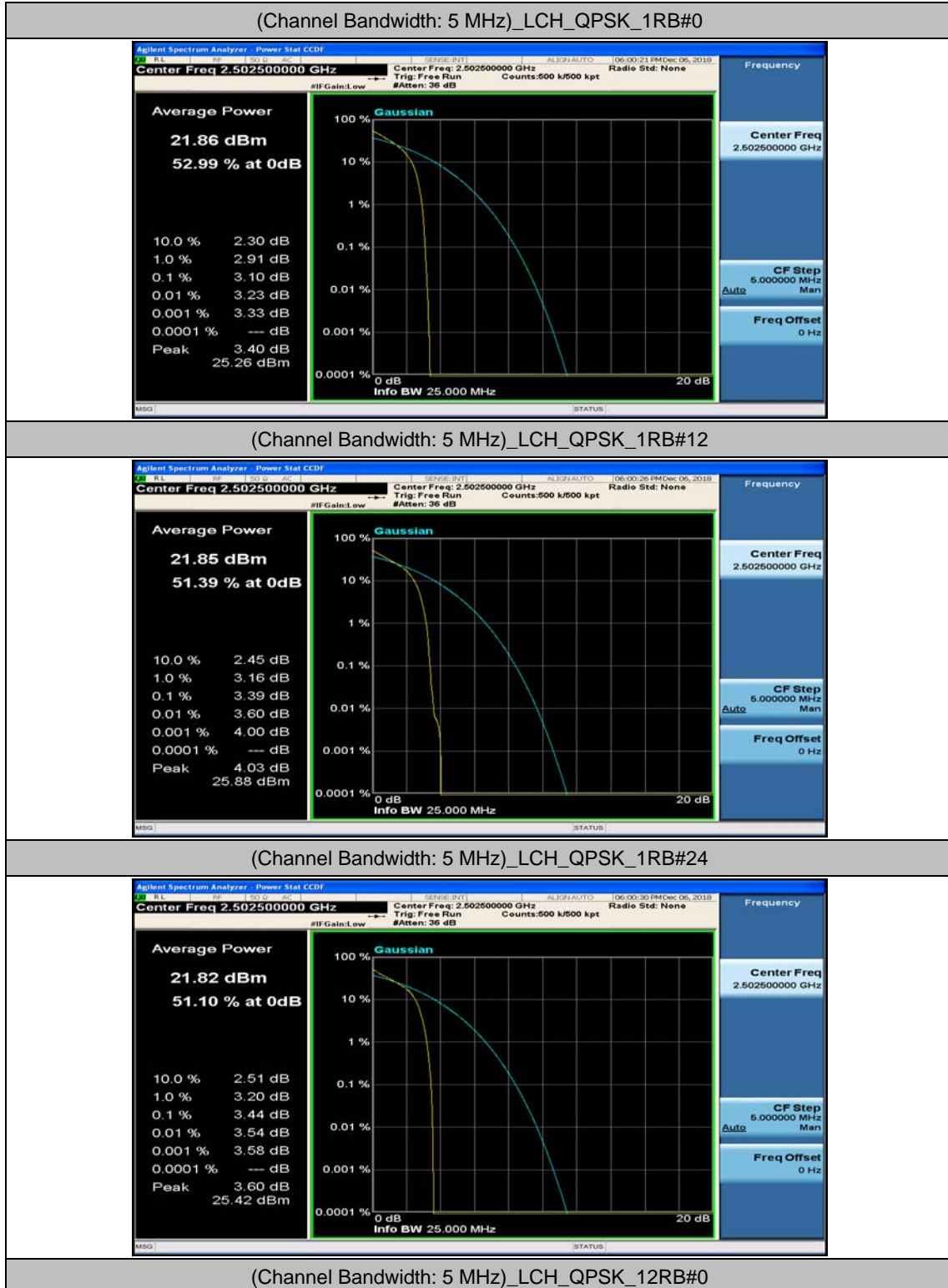
### Channel Bandwidth: 20 MHz

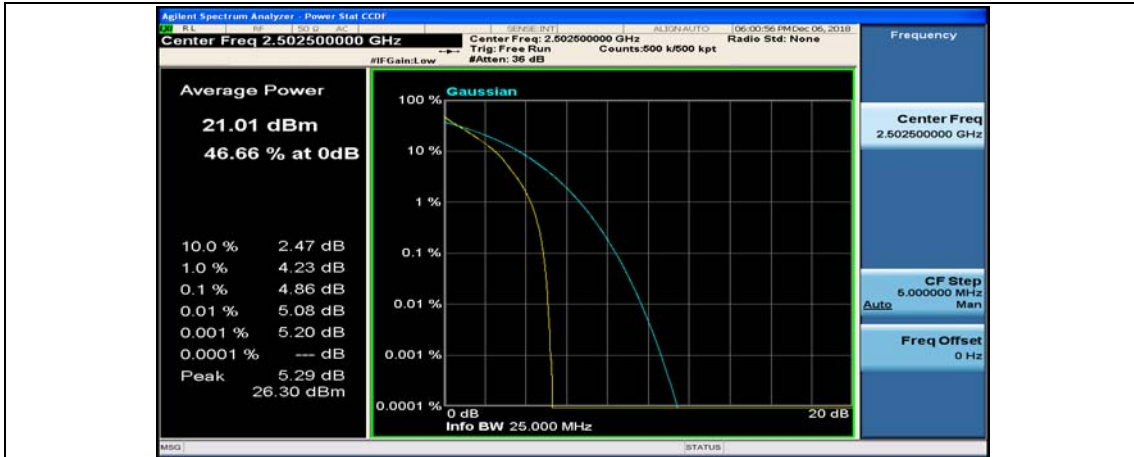
Channel Bandwidth: 20 MHz						
Modulation	Channel	RB Configuration		Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
		Size	Offset			
QPSK	LCH	1	0	3.19	<13	PASS
		1	49	2.63	<13	PASS
		1	99	3.2	<13	PASS
		50	0	4.56	<13	PASS
		50	25	4.16	<13	PASS
		50	50	4.08	<13	PASS
		100	0	4.84	<13	PASS
	MCH	1	0	3.32	<13	PASS
		1	49	3.59	<13	PASS
		1	99	2.80	<13	PASS
		50	0	5.02	<13	PASS
		50	25	5.17	<13	PASS
		50	50	4.98	<13	PASS
		100	0	5.20	<13	PASS
	HCH	1	0	2.43	<13	PASS

		1	49	3.35	<13	PASS
		1	99	2.72	<13	PASS
		50	0	4.38	<13	PASS
		50	25	4.77	<13	PASS
		50	50	4.71	<13	PASS
		100	0	4.94	<13	PASS
16QAM	LCH	1	0	3.96	<13	PASS
		1	49	3.69	<13	PASS
		1	99	4.03	<13	PASS
		50	0	5.49	<13	PASS
		50	25	5.09	<13	PASS
		50	50	4.95	<13	PASS
		100	0	5.58	<13	PASS
	MCH	1	0	3.96	<13	PASS
		1	49	4.23	<13	PASS
		1	99	3.77	<13	PASS
		50	0	5.79	<13	PASS
		50	25	5.96	<13	PASS
		50	50	5.81	<13	PASS
		100	0	5.98	<13	PASS
	HCH	1	0	3.26	<13	PASS
		1	49	4.24	<13	PASS
		1	99	3.50	<13	PASS
		50	0	5.11	<13	PASS
		50	25	5.48	<13	PASS
		50	50	5.53	<13	PASS
		100	0	5.64	<13	PASS

## Test Graphs

### Channel Bandwidth: 5 MHz





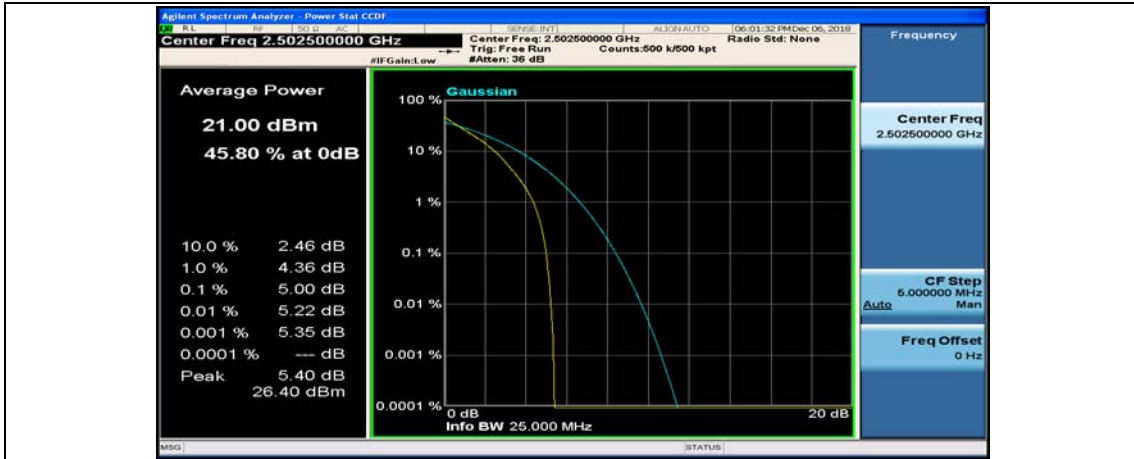
(Channel Bandwidth: 5 MHz)\_LCH\_QPSK\_12RB#6



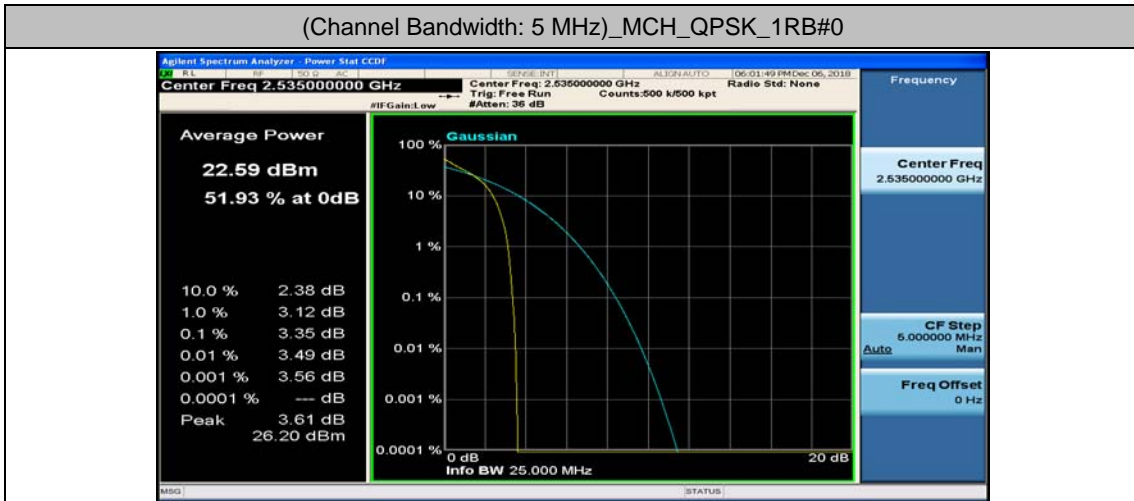
(Channel Bandwidth: 5 MHz)\_LCH\_QPSK\_12RB#13



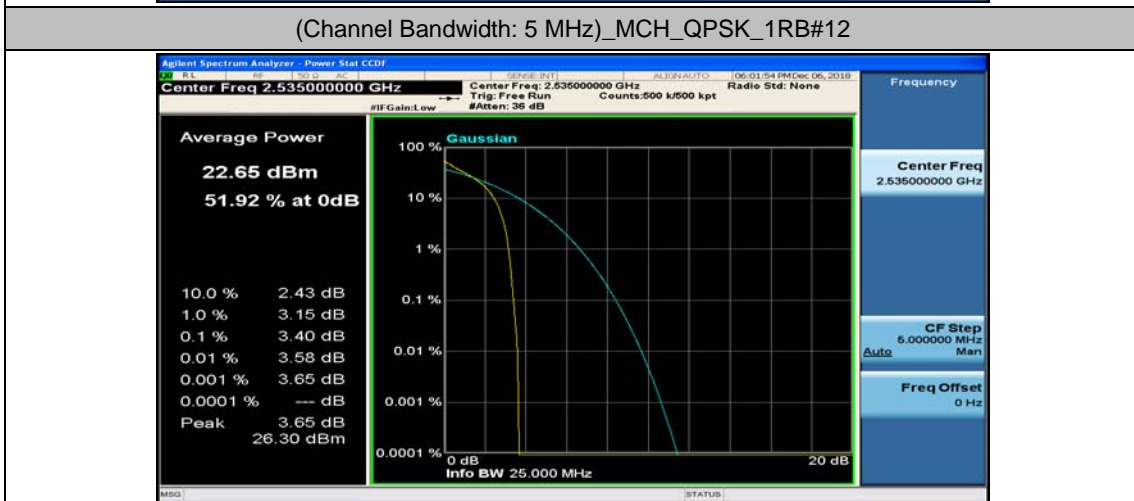
(Channel Bandwidth: 5 MHz)\_LCH\_QPSK\_25RB#0



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



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



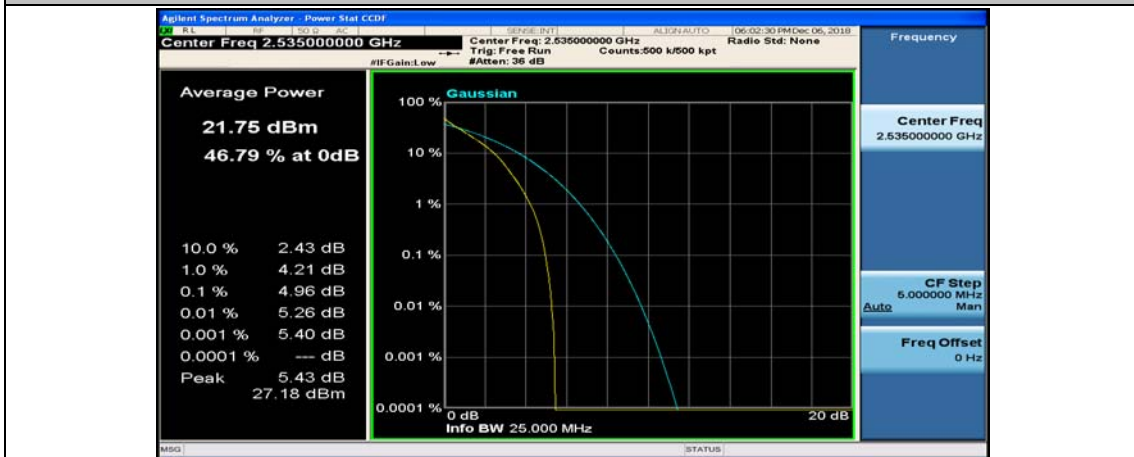
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(Channel Bandwidth: 5 MHz)\_MCH\_QPSK\_12RB#0

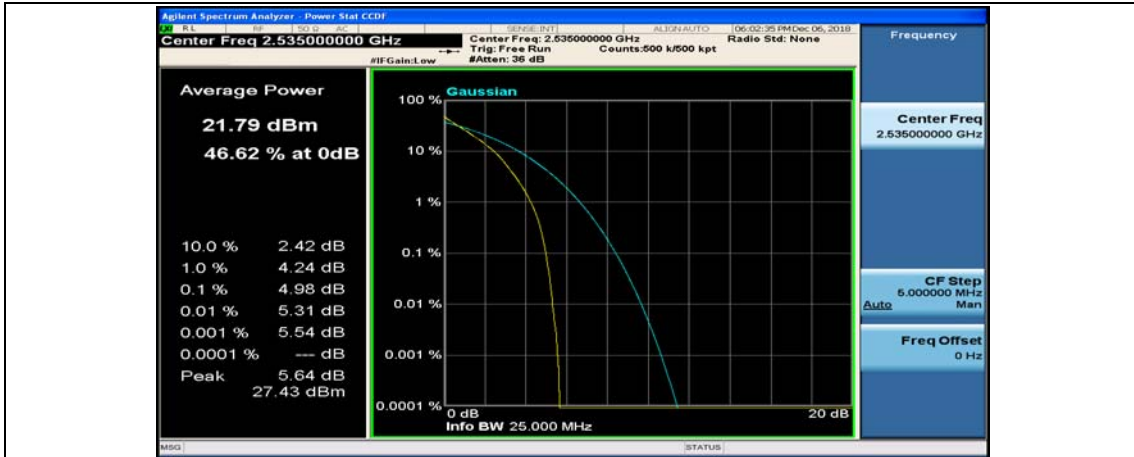


(Channel Bandwidth: 5 MHz)\_MCH\_QPSK\_12RB#6

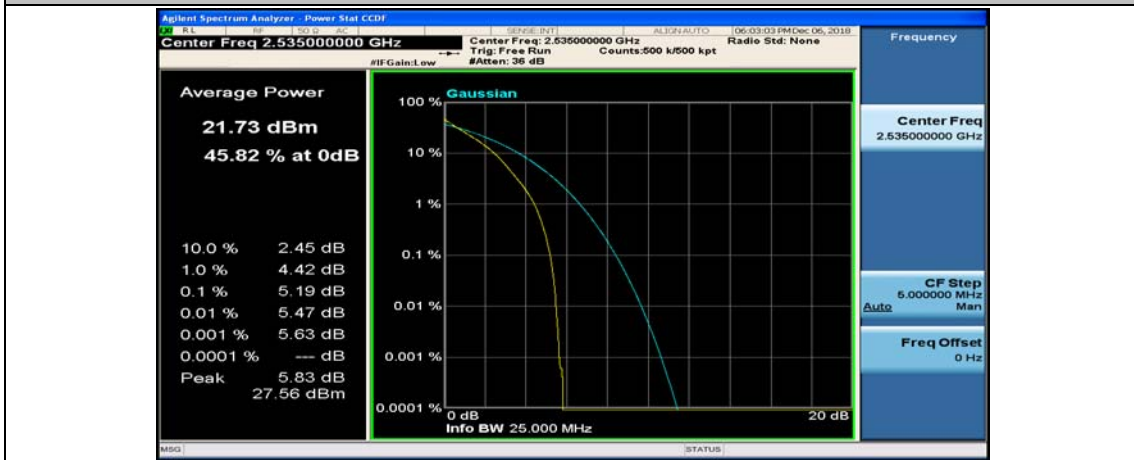


(Channel Bandwidth: 5 MHz)\_MCH\_QPSK\_12RB#13

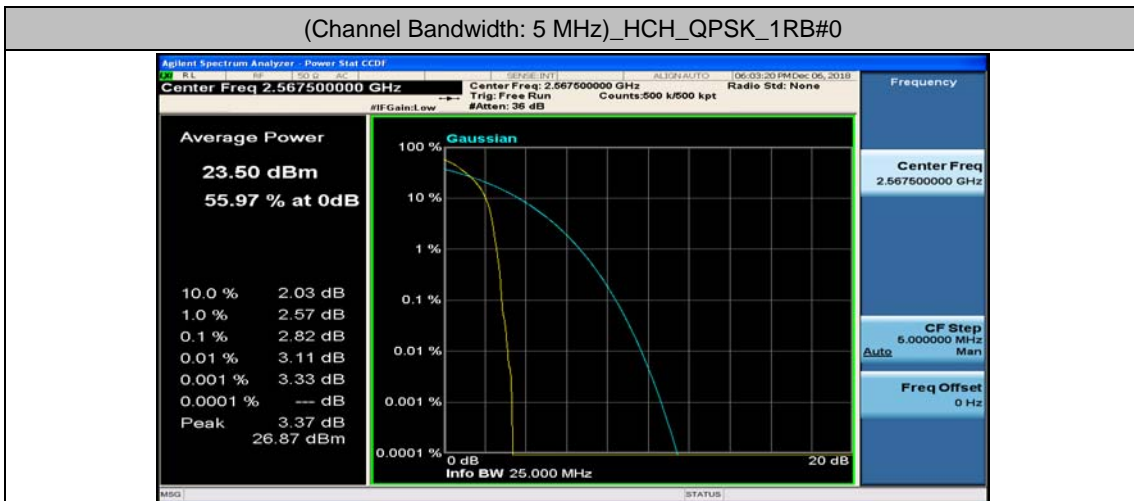




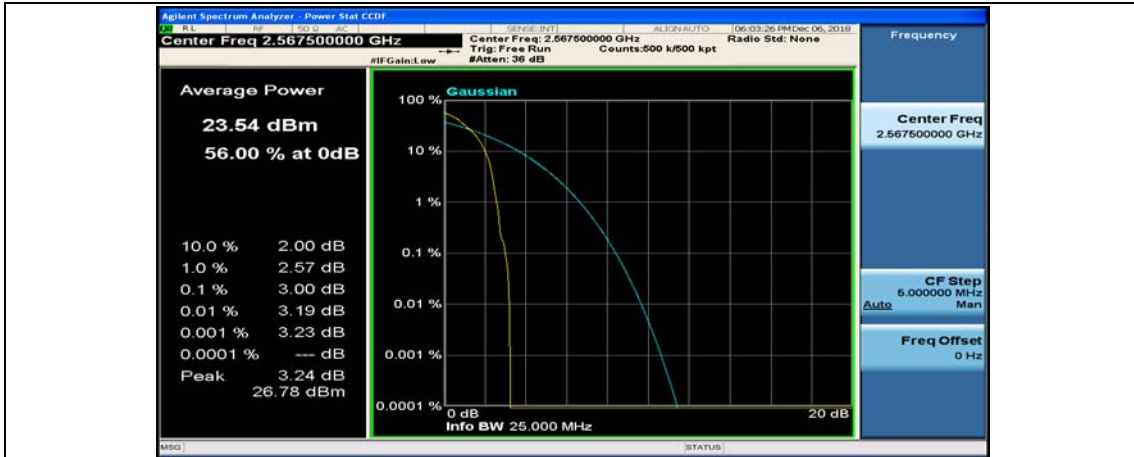
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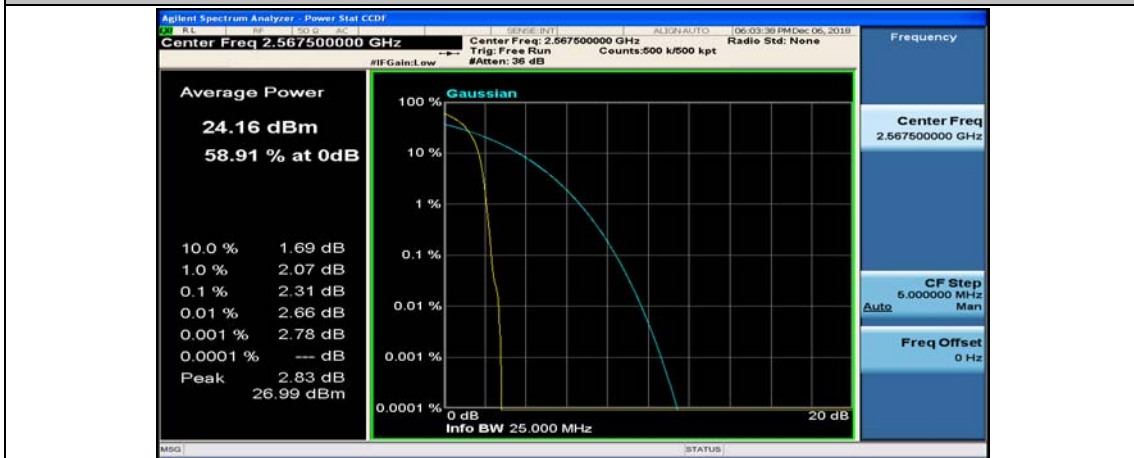
(Channel Bandwidth: 5 MHz)\_HCH\_QPSK\_1RB#0



(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





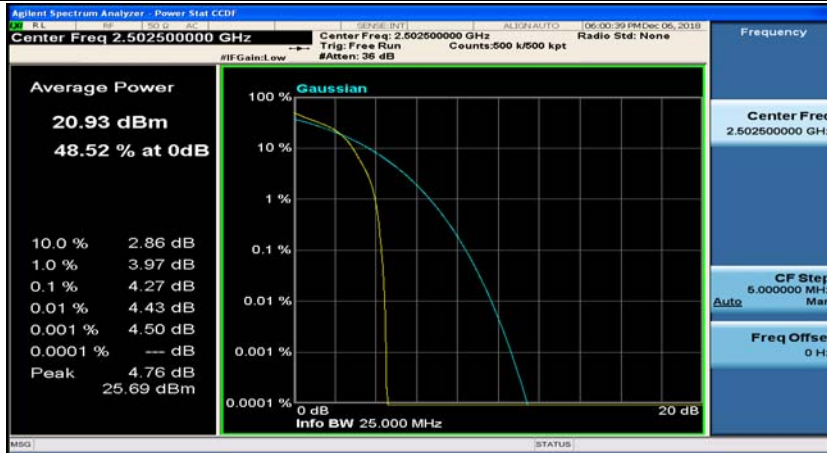
(Channel Bandwidth: 5 MHz)\_HCH\_QPSK\_12RB#13



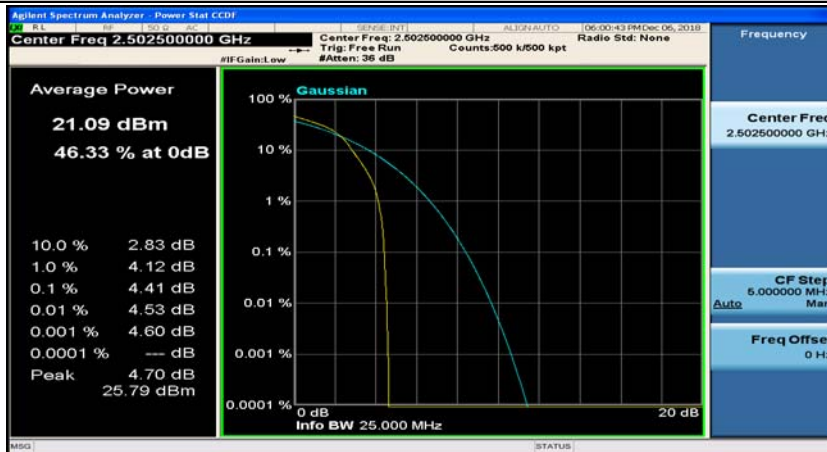
(Channel Bandwidth: 5 MHz)\_HCH\_QPSK\_25RB#0



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



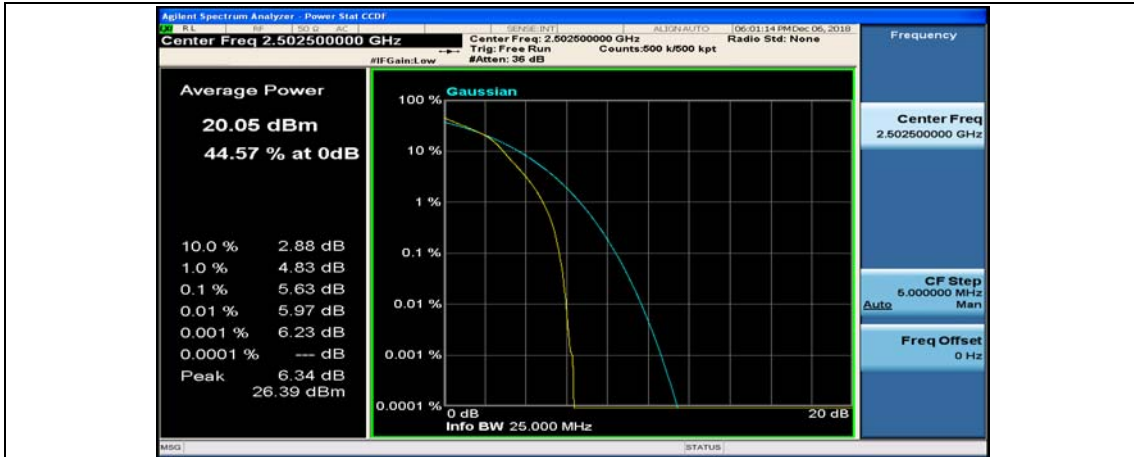
(Channel Bandwidth: 5 MHz)\_LCH\_16QAM\_1RB#12



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



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



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



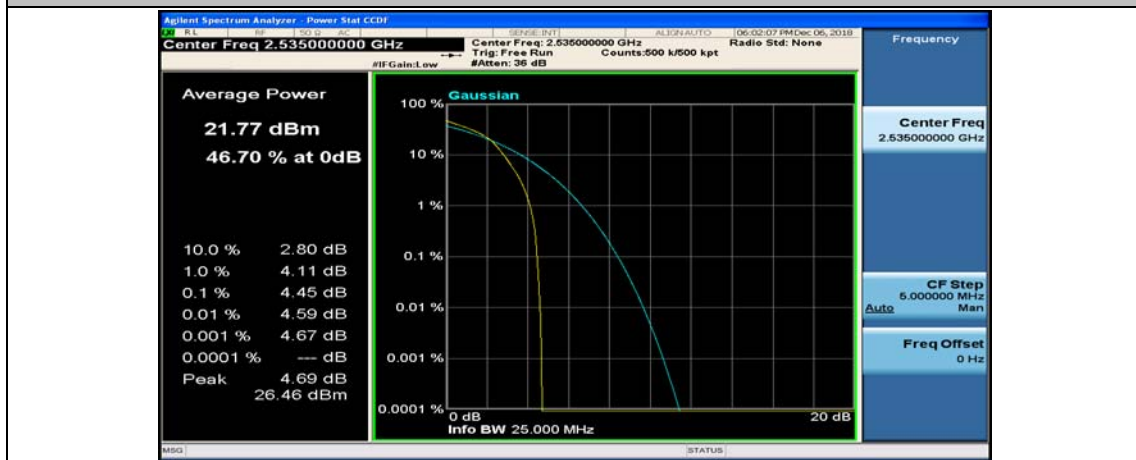
(Channel Bandwidth: 5 MHz)\_LCH\_16QAM\_12RB#13



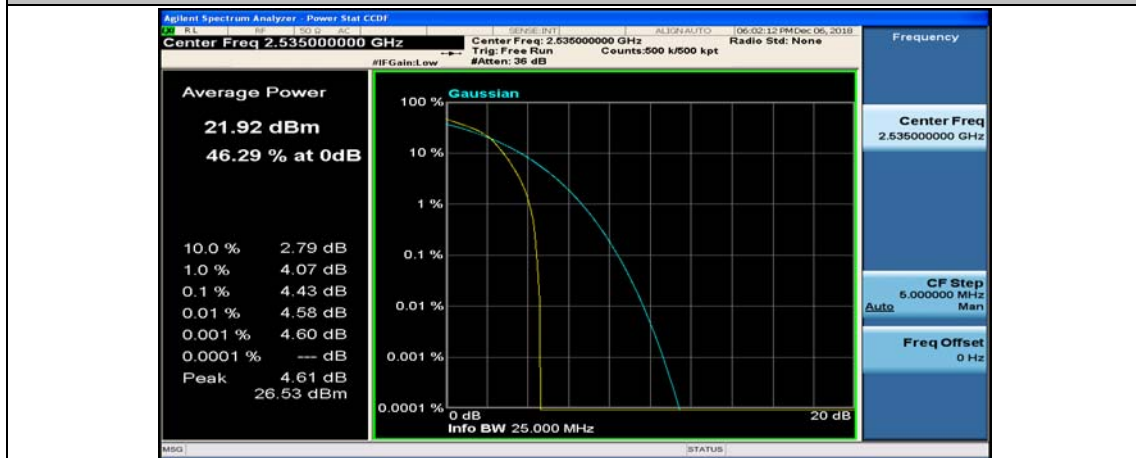
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(Channel Bandwidth: 5 MHz)\_MCH\_16QAM\_1RB#0



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



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



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

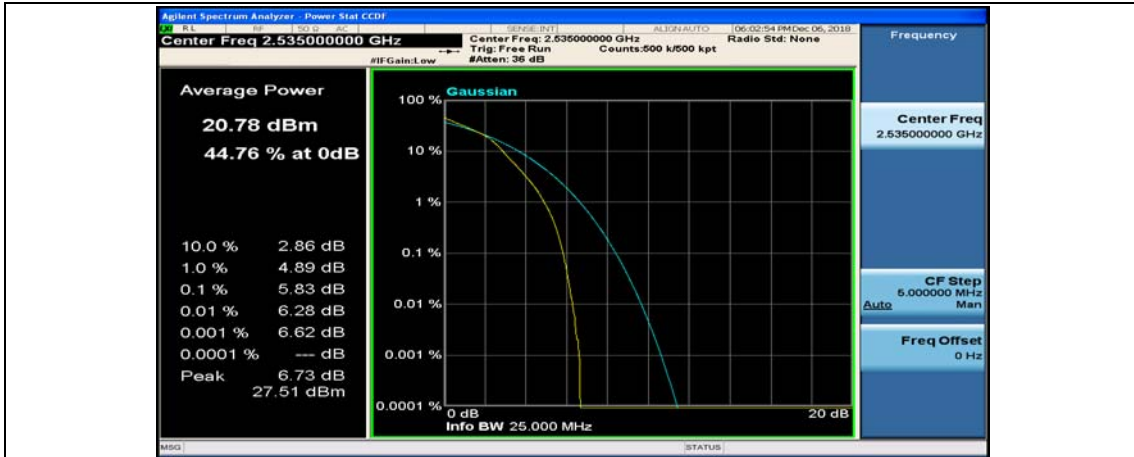


(Channel Bandwidth: 5 MHz)\_MCH\_16QAM\_12RB#6



(Channel Bandwidth: 5 MHz)\_MCH\_16QAM\_12RB#13





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



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



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



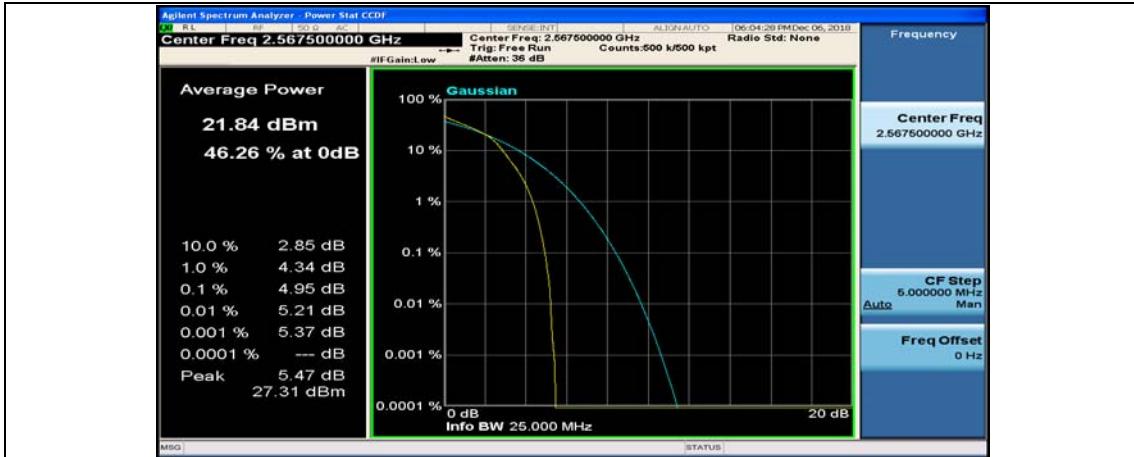
(Channel Bandwidth: 5 MHz)\_HCH\_16QAM\_1RB#24



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



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



(Channel Bandwidth: 5 MHz)\_HCH\_16QAM\_12RB#13

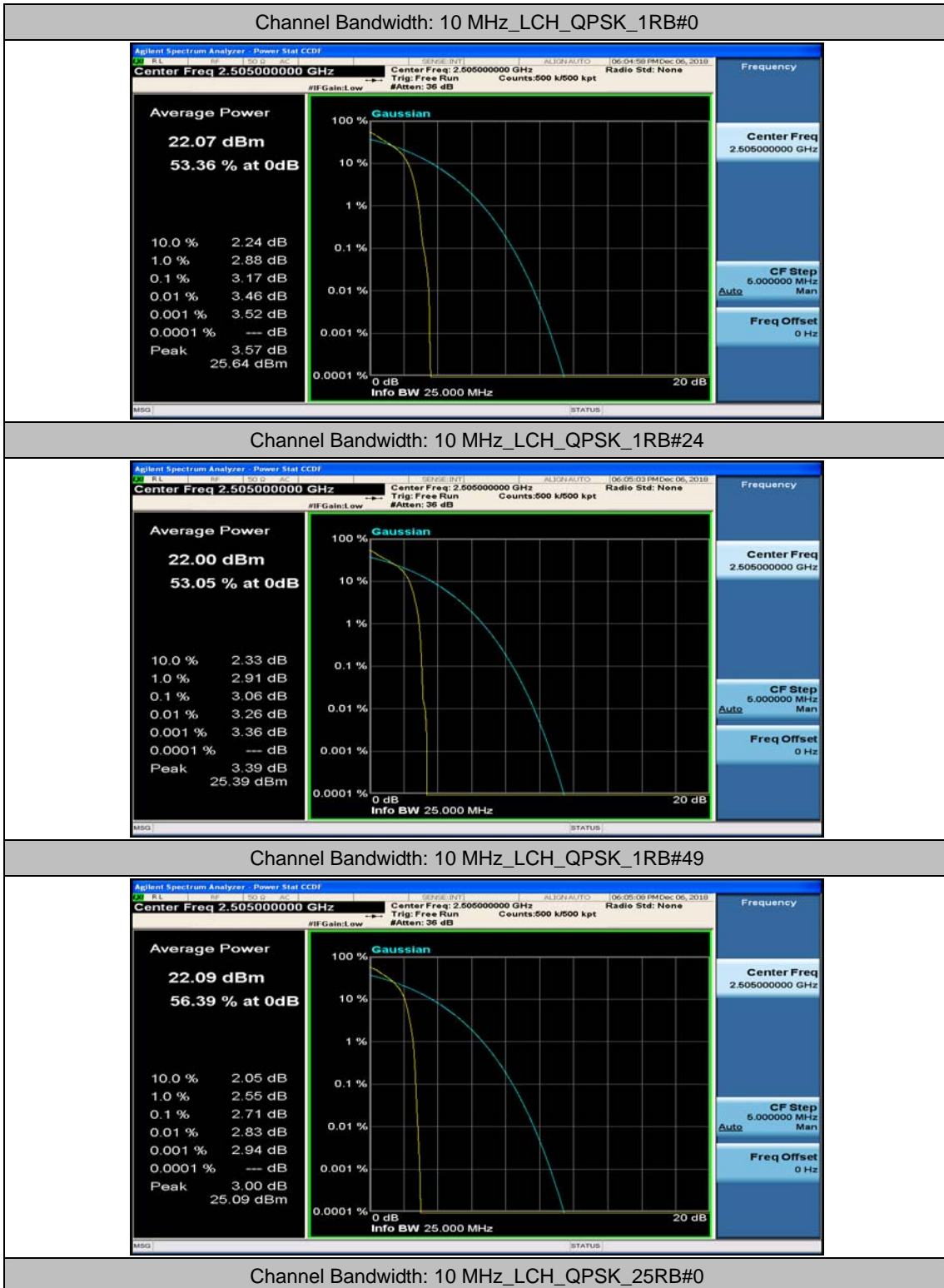


(Channel Bandwidth: 5 MHz)\_HCH\_16QAM\_25RB#0



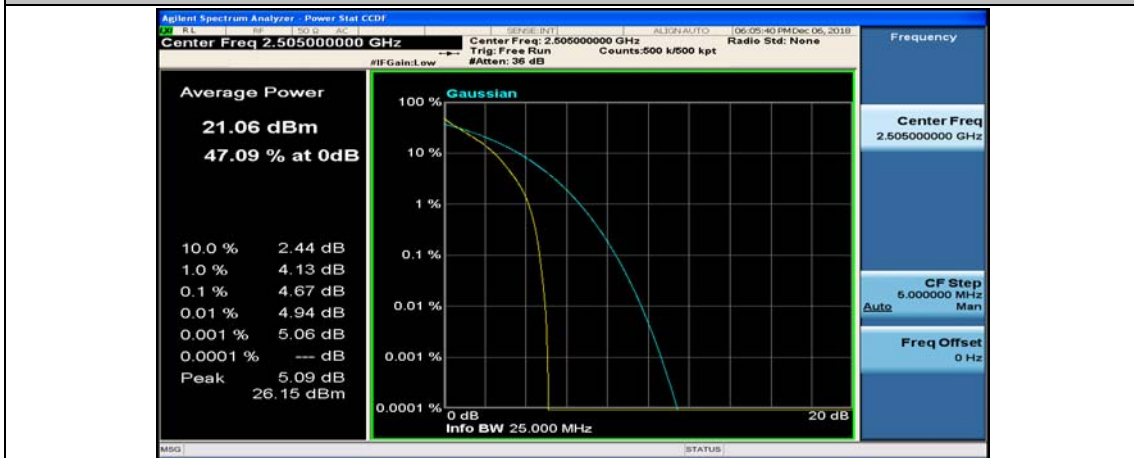


### Channel Bandwidth: 10 MHz





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



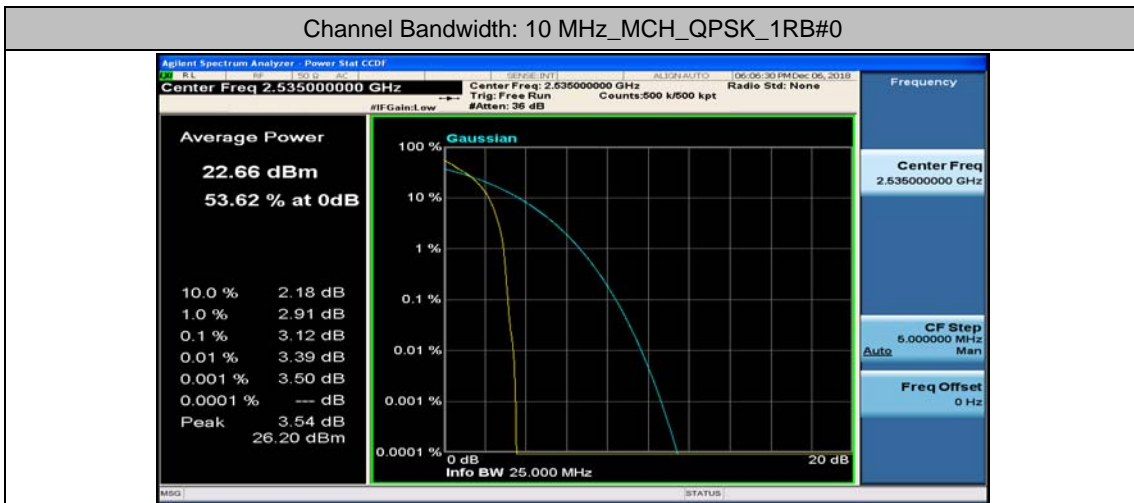
Channel Bandwidth: 10 MHz\_LCH\_QPSK\_25RB#25



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



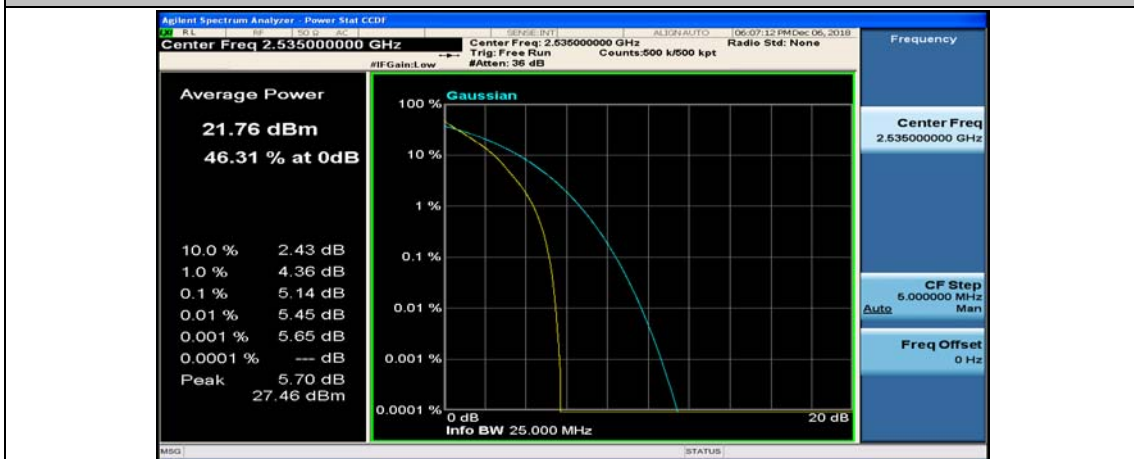
Channel Bandwidth: 10 MHz\_MCH\_QPSK\_1RB#0

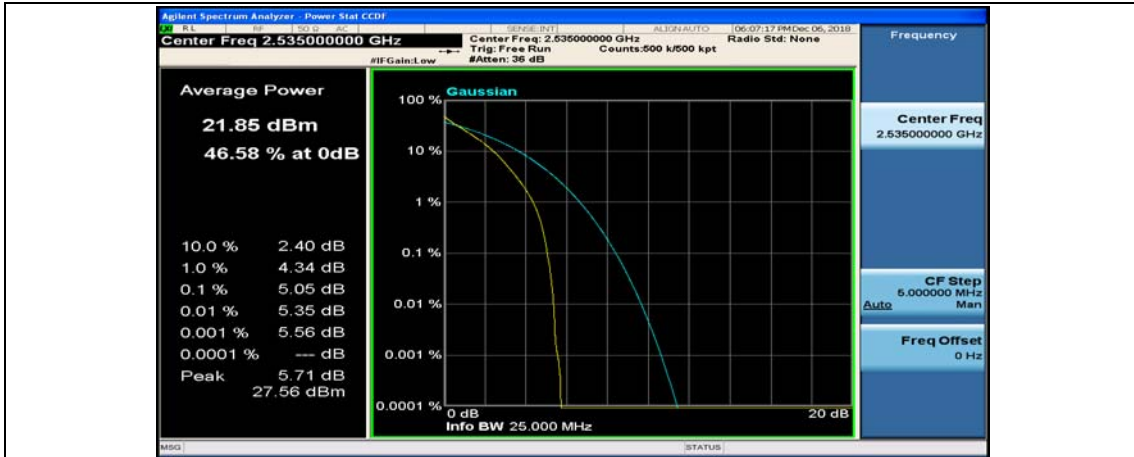


Channel Bandwidth: 10 MHz\_MCH\_QPSK\_1RB#24



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





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



Channel Bandwidth: 10 MHz\_HCH\_QPSK\_1RB#0

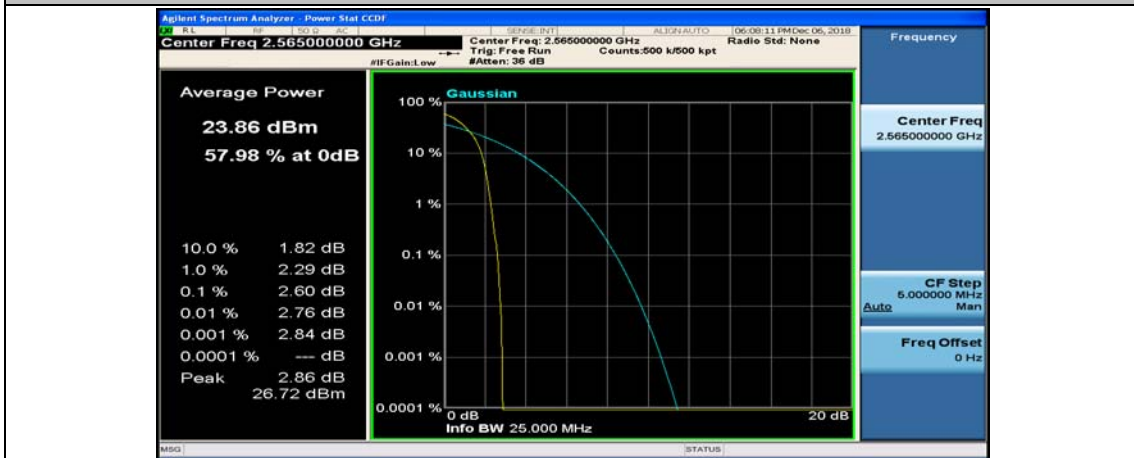


Channel Bandwidth: 10 MHz\_HCH\_QPSK\_1RB#24





Channel Bandwidth: 10 MHz\_HCH\_QPSK\_1RB#49



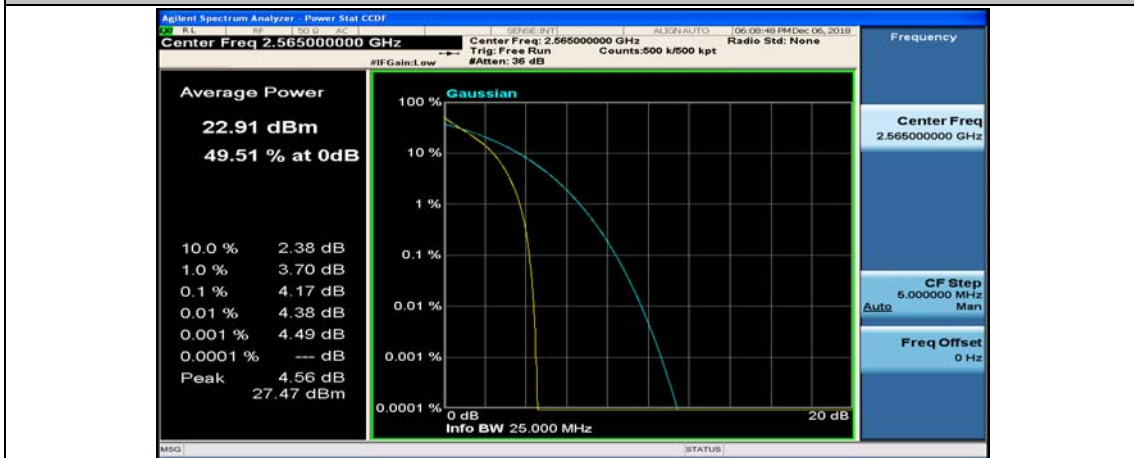
Channel Bandwidth: 10 MHz\_HCH\_QPSK\_25RB#0



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



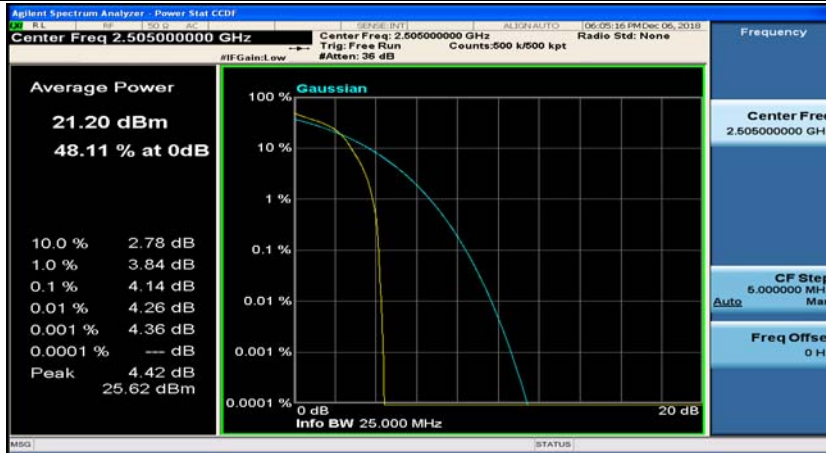
Channel Bandwidth: 10 MHz\_HCH\_QPSK\_25RB#25



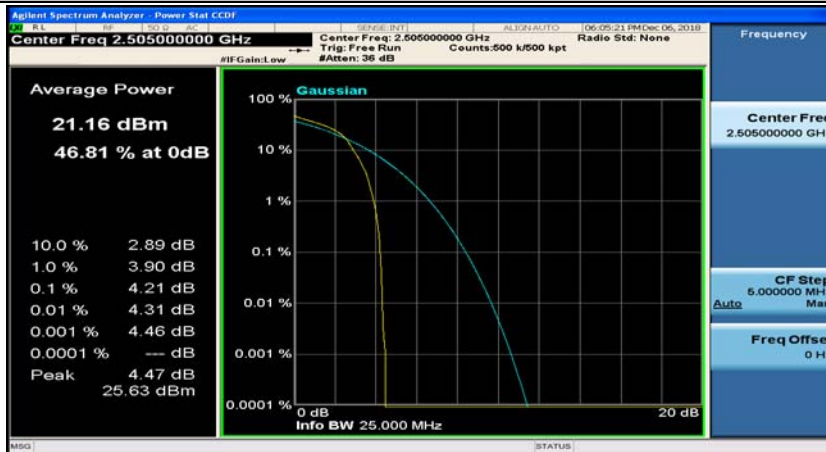
Channel Bandwidth: 10 MHz\_HCH\_QPSK\_50RB#0



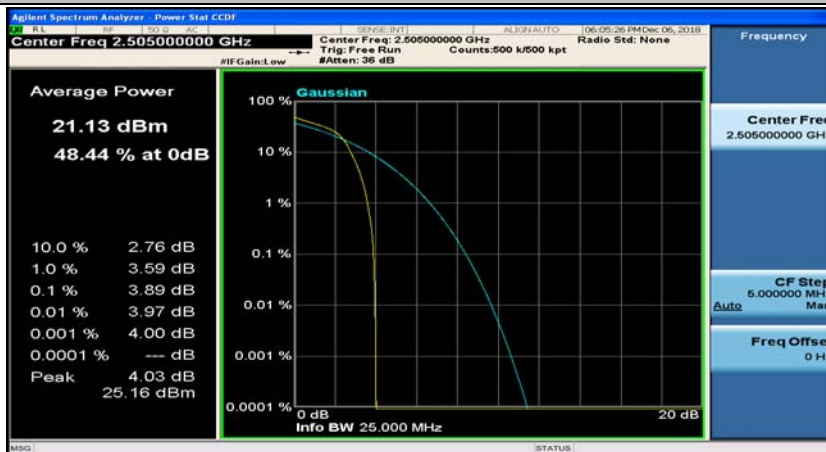
Channel Bandwidth: 10 MHz\_LCH\_16QAM\_1RB#0



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

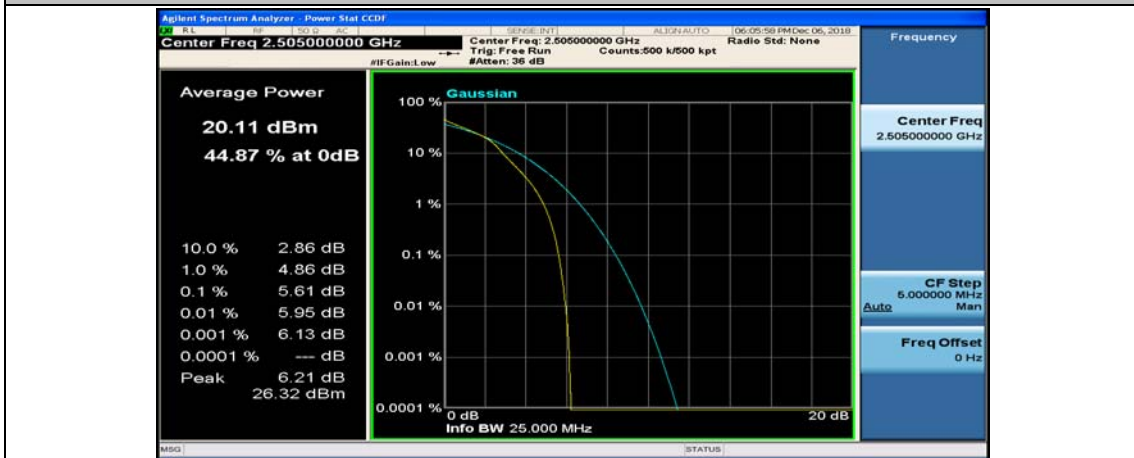


Channel Bandwidth: 10 MHz\_LCH\_16QAM\_1RB#49



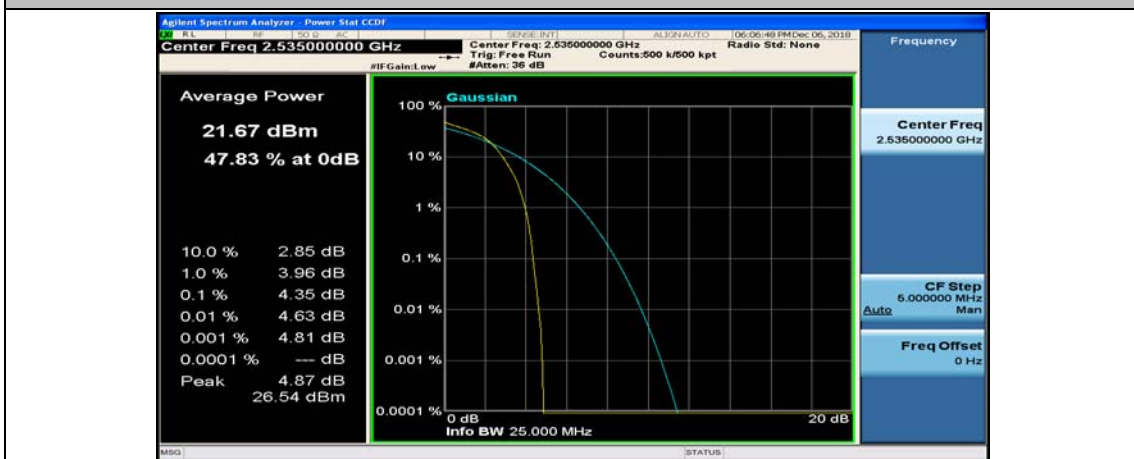
Channel Bandwidth: 10 MHz\_LCH\_16QAM\_25RB#0







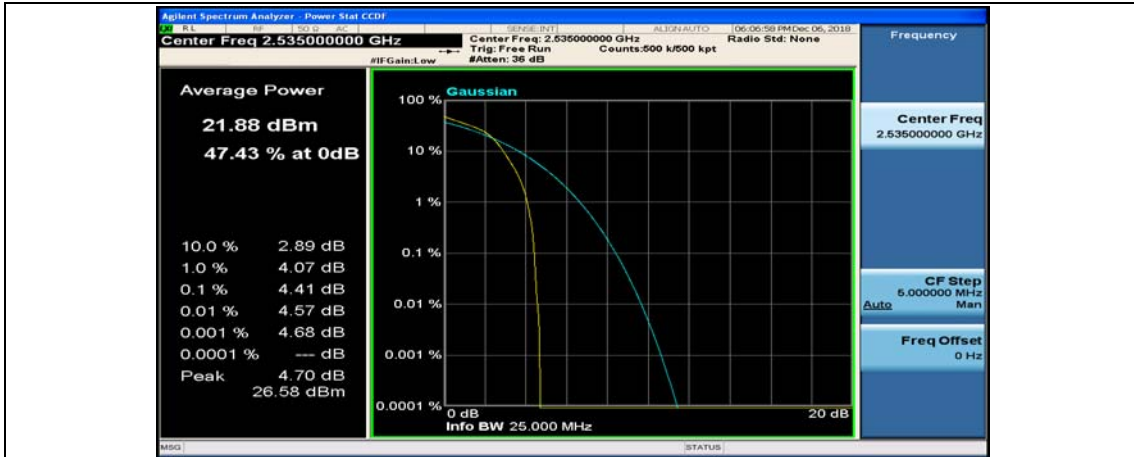
Channel Bandwidth: 10 MHz\_MCH\_16QAM\_1RB#0

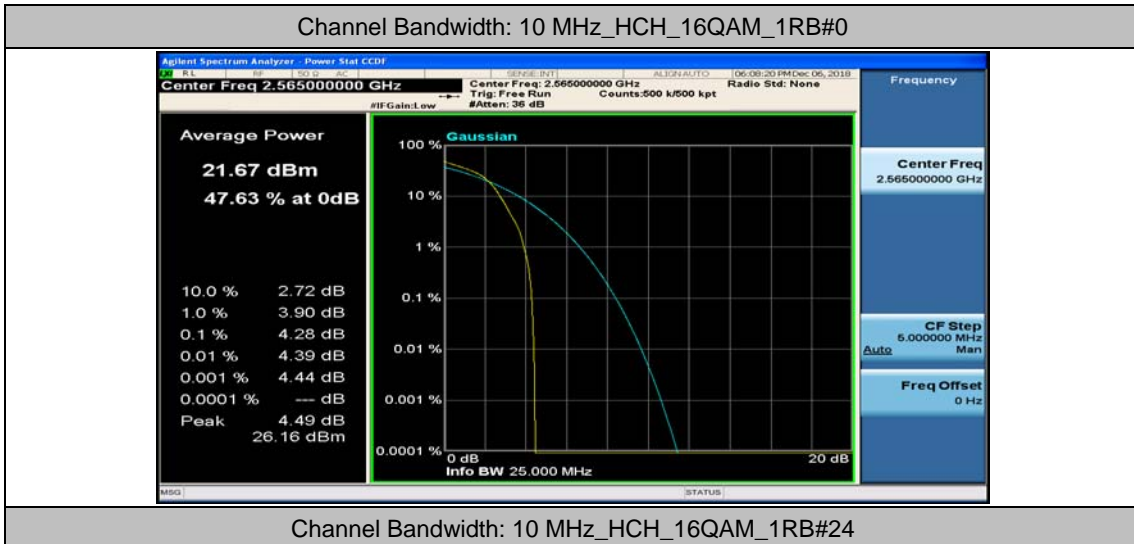
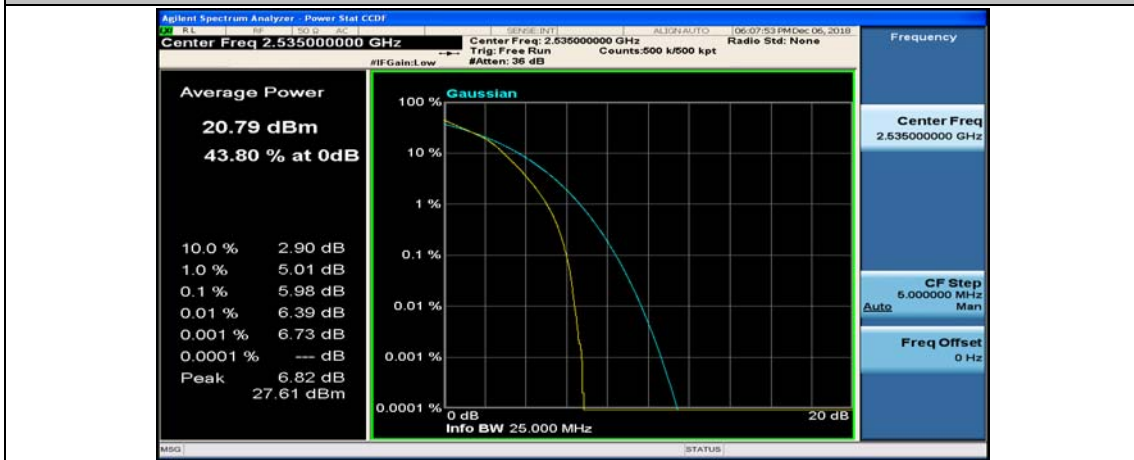


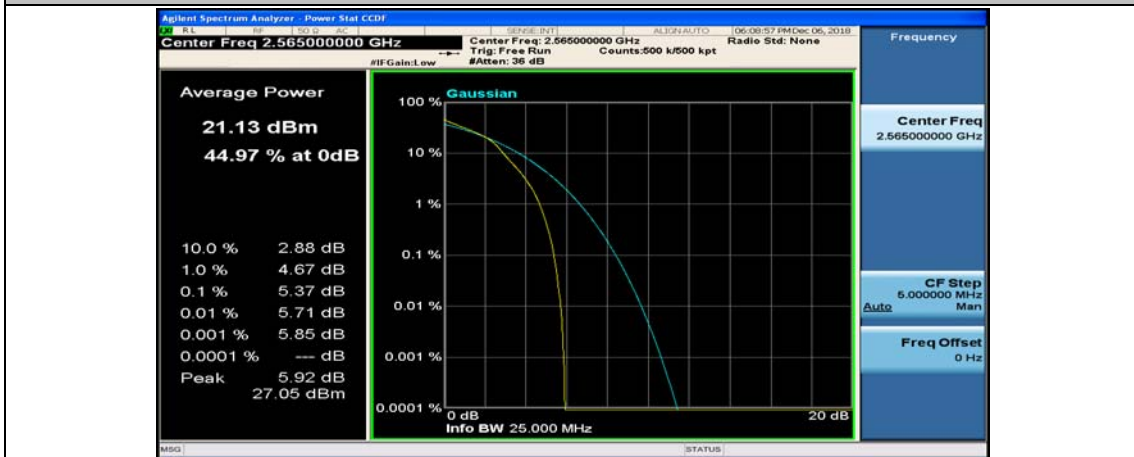
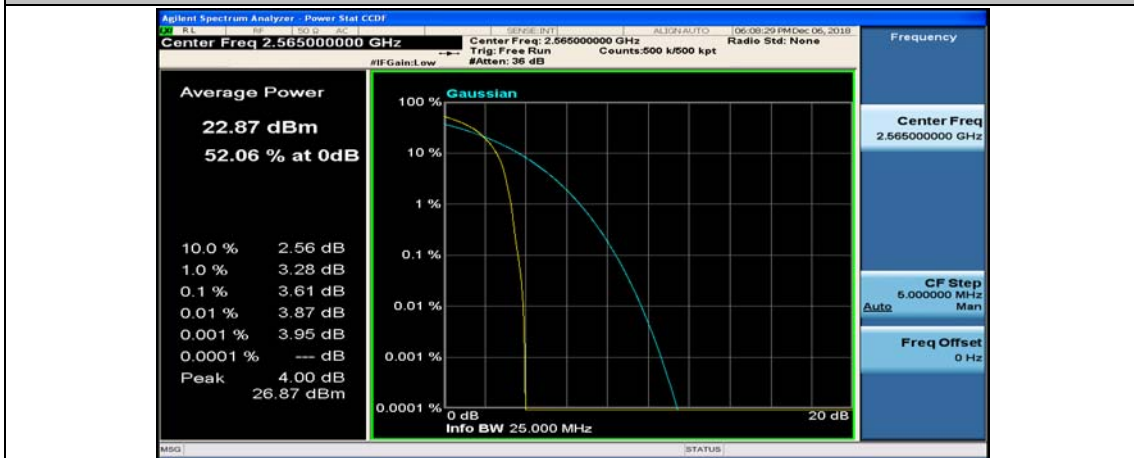
Channel Bandwidth: 10 MHz\_MCH\_16QAM\_1RB#24



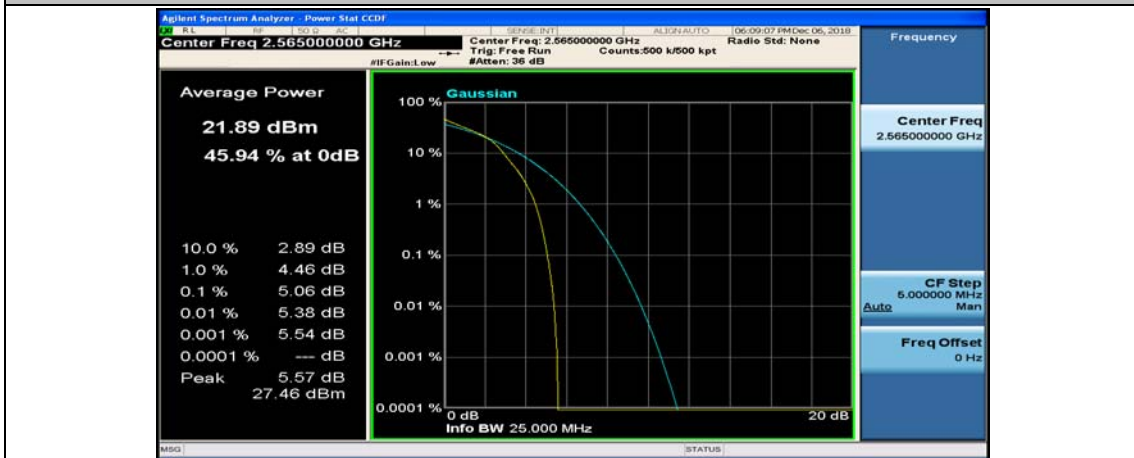
Channel Bandwidth: 10 MHz\_MCH\_16QAM\_1RB#49



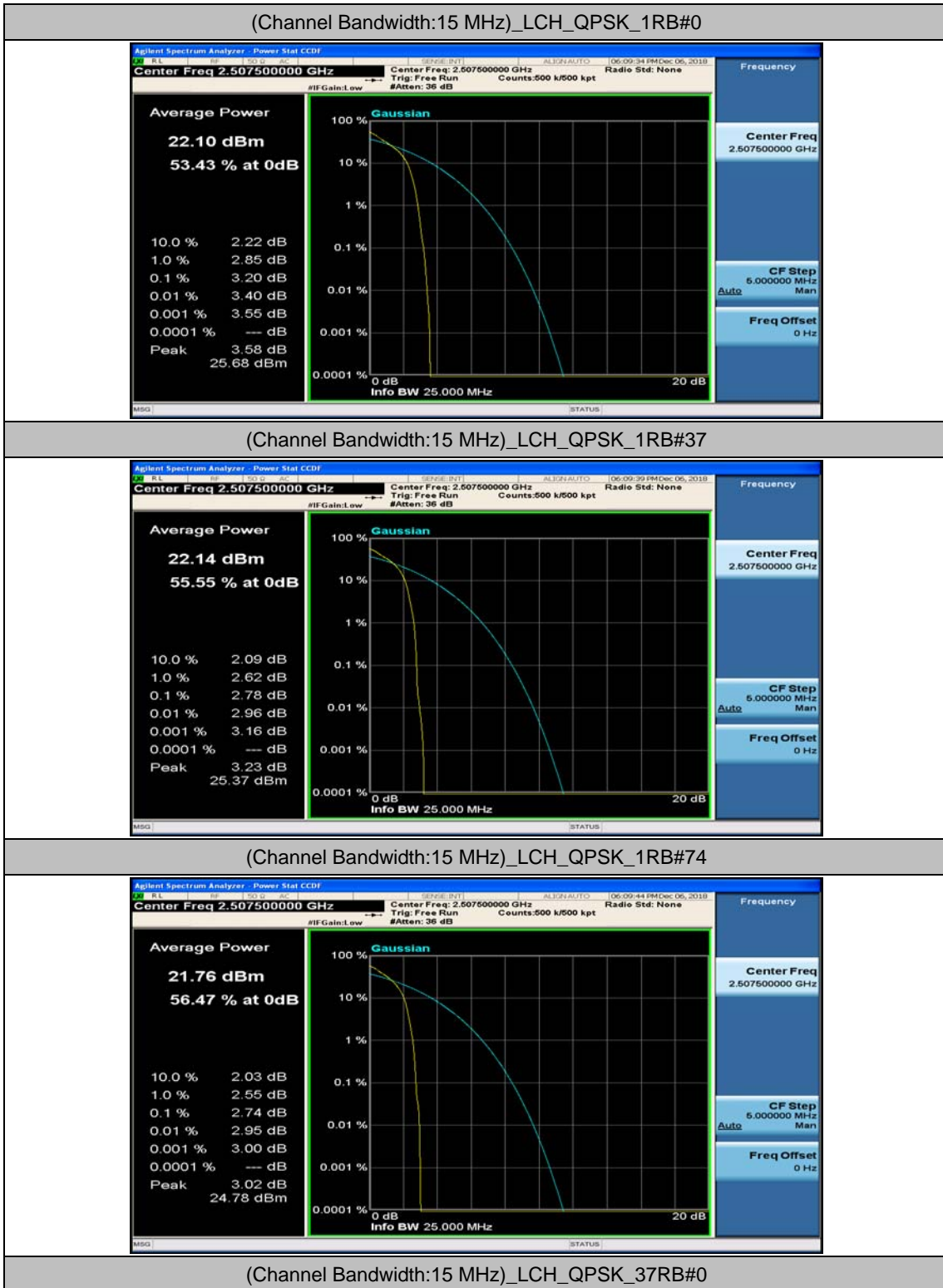






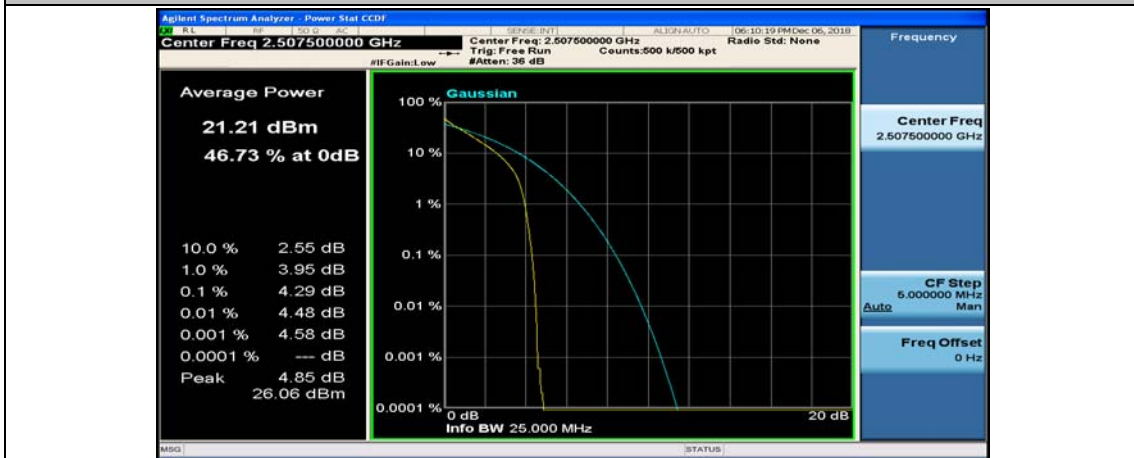


### Channel Bandwidth: 15 MHz





(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



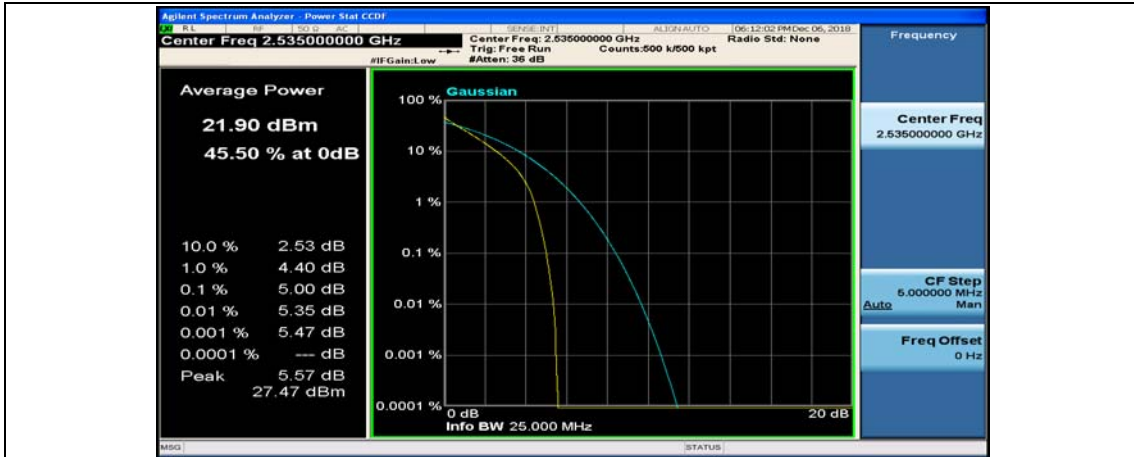
(Channel Bandwidth:15 MHz)\_MCH\_QPSK\_37RB#0



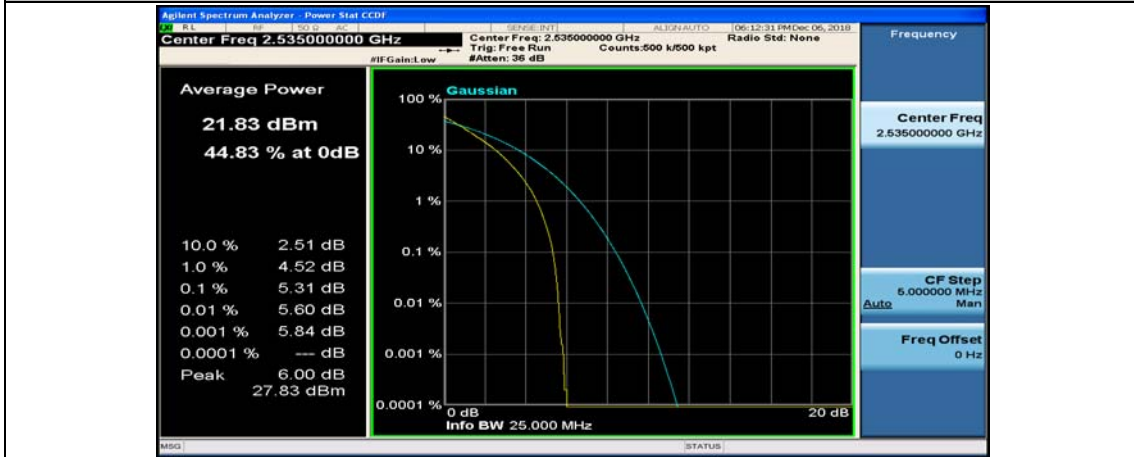
(Channel Bandwidth:15 MHz)\_MCH\_QPSK\_37RB#18



(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



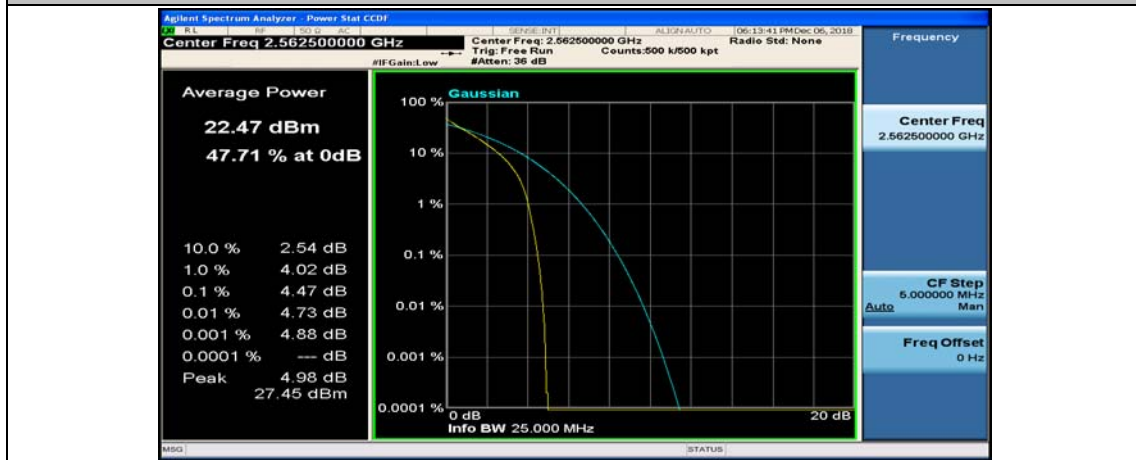
(Channel Bandwidth:15 MHz)\_HCH\_QPSK\_37RB#0



(Channel Bandwidth:15 MHz)\_HCH\_QPSK\_37RB#18



(Channel Bandwidth:15 MHz)\_HCH\_QPSK\_37RB#38

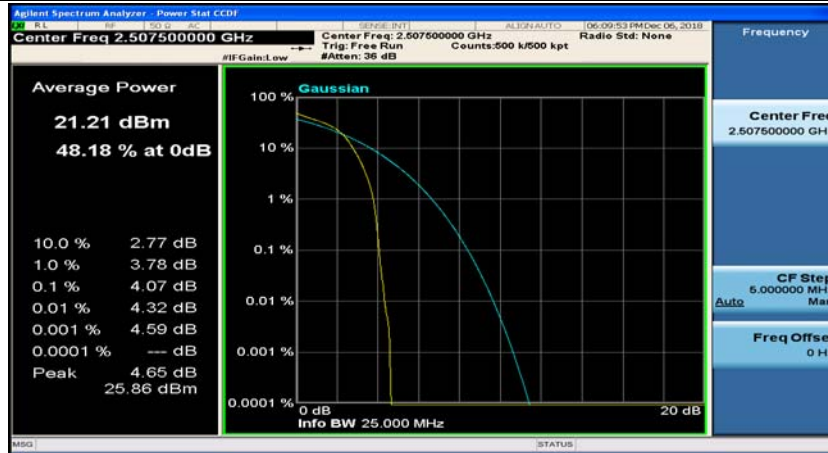


(Channel Bandwidth:15 MHz)\_HCH\_QPSK\_75RB#0

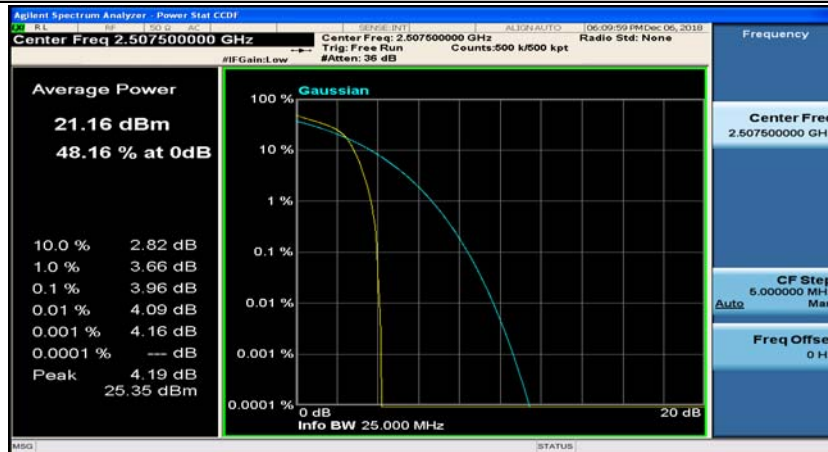




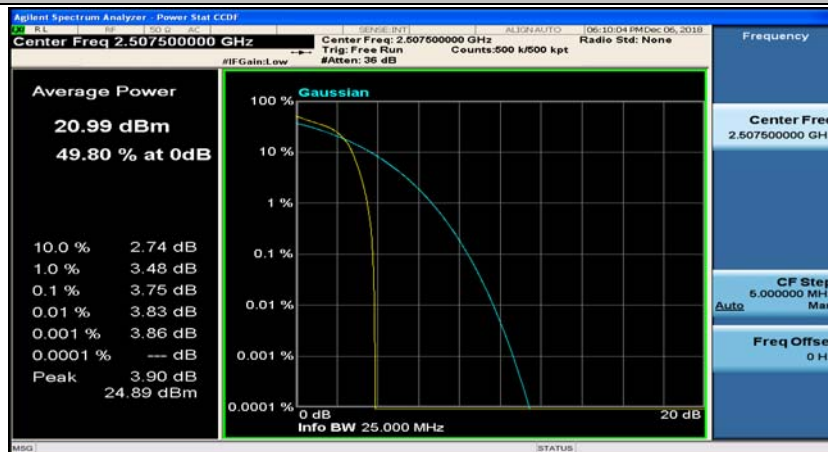
(Channel Bandwidth:15 MHz)\_LCH\_16QAM\_1RB#0



(Channel Bandwidth:15 MHz)\_LCH\_16QAM\_1RB#37



(Channel Bandwidth:15 MHz)\_LCH\_16QAM\_1RB#74



(Channel Bandwidth:15 MHz)\_LCH\_16QAM\_37RB#0





(Channel Bandwidth:15 MHz)\_LCH\_16QAM\_37RB#18



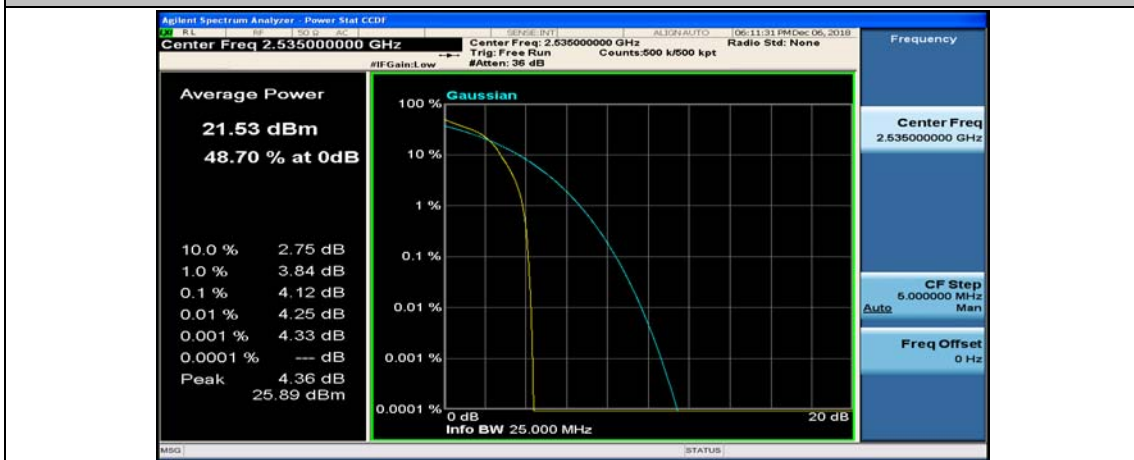
(Channel Bandwidth:15 MHz)\_LCH\_16QAM\_37RB#38



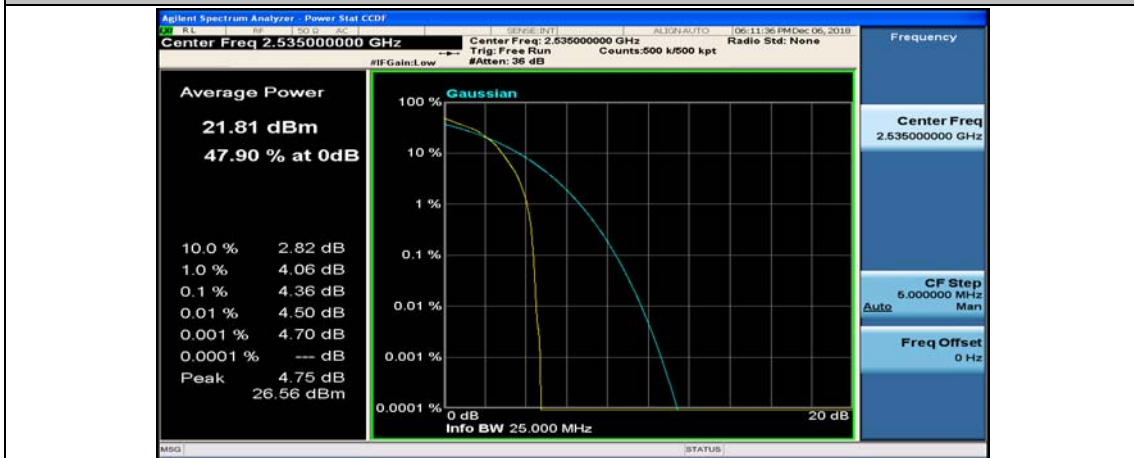
(Channel Bandwidth:15 MHz)\_LCH\_16QAM\_75RB#0



(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



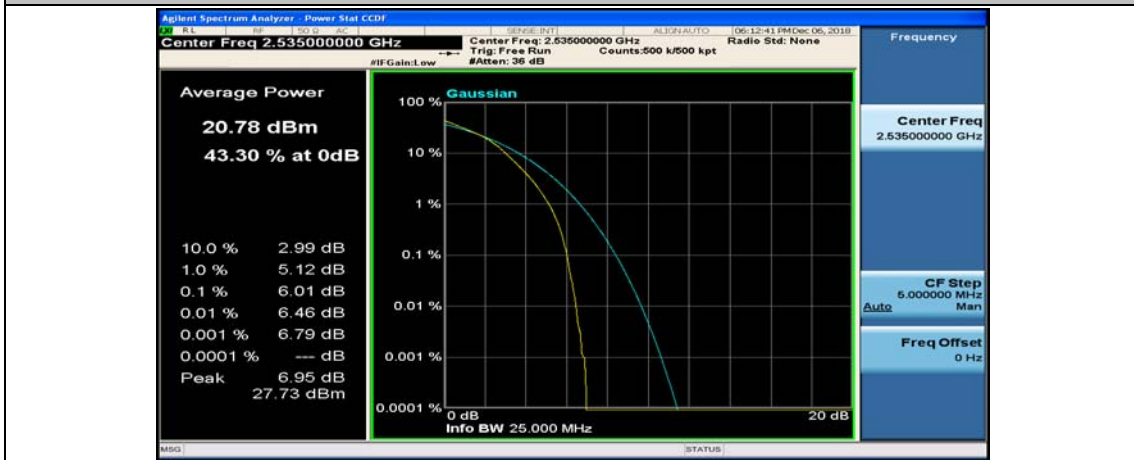
(Channel Bandwidth:15 MHz)\_MCH\_16QAM\_37RB#18



(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