Appendix A: Average Power Output Data

Test Result

Channel Bandwidth: 5 MHz

Modulation	Channel	RB Configuration		Average Power	Verdict
		Size	Offset	[dBm]	
QPSK	LCH	1	0	23.34	PASS
		1	12	22.51	PASS
		1	24	23.06	PASS
		12	0	21.46	PASS
		12	6	21.26	PASS
		12	13	21.35	PASS
		25	0	21.27	PASS
	MCH	1	0	23.82	PASS
		1	12	23.07	PASS
		1	24	23.63	PASS
		12	0	22.28	PASS
		12	6	22.11	PASS
		12	13	22.18	PASS
		25	0	22.17	PASS
	HCH	1	0	23.18	PASS
		1	12	22.53	PASS
		1	24	22.66	PASS
		12	0	21.71	PASS
		12	6	21.52	PASS
		12	13	21.48	PASS
		25	0	21.56	PASS
16QAM	LCH	1	0	22.41	PASS
		1	12	21.69	PASS
		1	24	22.30	PASS
		12	0	20.71	PASS
		12	6	20.53	PASS
		12	13	20.65	PASS
		25	0	20.47	PASS
	MCH	1	0	23.19	PASS

		1	12	22.46	PASS
		1	24	22.96	PASS
		12	0	21.60	PASS
		12	6	21.42	PASS
		12	13	21.52	PASS
		25	0	21.37	PASS
	HCH	1	0	22.24	PASS
		1	12	21.59	PASS
		1	24	21.72	PASS
		12	0	20.94	PASS
		12	6	20.76	PASS
		12	13	20.72	PASS
		25	0	20.78	PASS

Channel Bandwidth: 10 MHz

Modulation	Channel	RB Configuration		Average Power	Verdict
		Size	Offset	[dBm]	
QPSK	LCH	1	0	22.10	PASS
		1	24	22.13	PASS
		1	49	22.65	PASS
		25	0	21.03	PASS
		25	12	21.12	PASS
		25	25	21.37	PASS
		50	0	21.18	PASS
	MCH	1	0	23.37	PASS
		1	24	22.92	PASS
		1	49	22.77	PASS
		25	0	22.15	PASS
		25	12	21.98	PASS
		25	25	21.93	PASS
		50	0	22.07	PASS
	HCH	1	0	22.51	PASS
		1	24	22.51	PASS
		1	49	21.88	PASS
		25	0	21.54	PASS
		25	12	21.48	PASS
		25	25	21.34	PASS
		50	0	21.44	PASS
16QAM	LCH	1	0	21.36	PASS
		1	24	21.41	PASS
		1	49	21.89	PASS

		25	0	20.19	PASS
		25	12	20.29	PASS
		25	25	20.55	PASS
		50	0	20.36	PASS
	MCH	1	0	22.65	PASS
		1	24	22.24	PASS
		1	49	22.09	PASS
		25	0	21.33	PASS
		25	12	21.17	PASS
		25	25	21.14	PASS
		50	0	21.24	PASS
	HCH	1	0	21.90	PASS
		1	24	21.93	PASS
		1	49	21.34	PASS
		25	0	20.74	PASS
		25	12	20.70	PASS
		25	25	20.58	PASS
		50	0	20.64	PASS

Channel Bandwidth: 15 MHz

Modulation	Channel	RB Configuration		Average Power	Verdict
		Size	Offset	[dBm]	
QPSK	LCH	1	0	22.09	PASS
		1	37	22.30	PASS
		1	74	23.54	PASS
		37	0	20.97	PASS
		37	18	21.30	PASS
		37	38	21.92	PASS
		75	0	21.48	PASS
	MCH	1	0	23.62	PASS
		1	37	22.80	PASS
		1	74	22.98	PASS
		37	0	22.18	PASS
		37	18	21.91	PASS
		37	38	21.90	PASS
		75	0	22.06	PASS
	HCH	1	0	22.64	PASS
		1	37	22.46	PASS
		1	74	22.06	PASS
		37	0	21.45	PASS
		37	18	21.43	PASS

		37	38	21.36	PASS
		75	0	21.39	PASS
16QAM	LCH	1	0	21.36	PASS
		1	37	21.58	PASS
		1	74	22.87	PASS
		37	0	20.14	PASS
		37	18	20.45	PASS
		37	38	21.02	PASS
		75	0	20.62	PASS
	MCH	1	0	22.84	PASS
		1	37	22.11	PASS
		1	74	22.29	PASS
		37	0	21.35	PASS
		37	18	21.10	PASS
		37	38	21.08	PASS
		75	0	21.22	PASS
	HCH	1	0	21.95	PASS
		1	37	21.79	PASS
		1	74	21.43	PASS
		37	0	20.68	PASS
		37	18	20.66	PASS
		37	38	20.60	PASS
		75	0	20.60	PASS

Channel Bandwidth: 20 MHz

Modulation	Channel	RB Configuration		Average Power	Verdict
		Size	Offset	[dBm]	
QPSK	LCH	1	0	22.16	PASS
		1	49	22.85	PASS
		1	99	23.92	PASS
		50	0	21.04	PASS
		50	25	21.62	PASS
		50	50	22.39	PASS
		100	0	21.74	PASS
	MCH	1	0	23.38	PASS
		1	49	21.75	PASS
		1	99	22.10	PASS
		50	0	21.82	PASS
		50	25	21.26	PASS
		50	50	21.54	PASS
		100	0	21.76	PASS

		1	0	22.66	PASS
	HCH	1	49	22.15	PASS
		1	99	21.90	PASS
		50	0	20.65	PASS
		50	25	20.49	PASS
		50	50	20.48	PASS
		100	0	20.55	PASS
16QAM	LCH	1	0	21.22	PASS
		1	49	21.98	PASS
		1	99	23.03	PASS
		50	0	20.19	PASS
		50	25	20.83	PASS
		50	50	21.44	PASS
		100	0	19.89	PASS
	MCH	1	0	22.50	PASS
		1	49	21.64	PASS
		1	99	21.94	PASS
		50	0	21.01	PASS
		50	25	20.75	PASS
		50	50	20.75	PASS
		100	0	20.91	PASS
	HCH	1	0	21.88	PASS
		1	49	21.44	PASS
		1	99	20.67	PASS
		50	0	19.81	PASS
		50	25	19.73	PASS
		50	50	19.71	PASS
		100	0	19.69	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	Limit	Verdict
		Size	Offset	[dB]	[dB]	
QPSK	LCH	1	0	4.71	<13	PASS
		1	12	4.99	<13	PASS
		1	24	5.05	<13	PASS
		12	0	5.49	<13	PASS
		12	6	5.59	<13	PASS
		12	13	5.61	<13	PASS
		25	0	5.67	<13	PASS
	MCH	1	0	5.03	<13	PASS
		1	12	5.29	<13	PASS
		1	24	5.15	<13	PASS
		12	0	5.55	<13	PASS
		12	6	5.58	<13	PASS
		12	13	5.54	<13	PASS
		25	0	5.66	<13	PASS
	HCH	1	0	5.01	<13	PASS
		1	12	5.17	<13	PASS
		1	24	5.1	<13	PASS
		12	0	5.62	<13	PASS
		12	6	5.61	<13	PASS
		12	13	5.61	<13	PASS
		25	0	5.62	<13	PASS
16QAM	LCH	1	0	5.68	<13	PASS
		1	12	5.97	<13	PASS
		1	24	5.84	<13	PASS
		12	0	6.19	<13	PASS
		12	6	6.31	<13	PASS
		12	13	6.15	<13	PASS
		25	0	6.34	<13	PASS

		1	0	5.59	<13	PASS
		1	12	5.87	<13	PASS
		1	24	5.77	<13	PASS
	MCH	12	0	6.54	<13	PASS
		12	6	6.46	<13	PASS
		12	13	6.44	<13	PASS
		25	0	6.4	<13	PASS
		1	0	6.24	<13	PASS
		1	12	6.43	<13	PASS
		1	24	6.28	<13	PASS
	HCH	12	0	6.3	<13	PASS
		12	6	6.24	<13	PASS
		12	13	6.28	<13	PASS
		25	0	6.28	<13	PASS

Channel Bandwidth: 10 MHz

Channel Bandwidth: 10 MHz						
Modulation	Channel	RB Configuration		Peak-to-Average Ratio	Limit	Verdict
		Size	Offset	[dB]	[dB]	
QPSK	LCH	1	0	5.17	<13	PASS
		1	24	5.27	<13	PASS
		1	49	5.34	<13	PASS
		25	0	5.56	<13	PASS
		25	12	5.61	<13	PASS
		25	25	5.69	<13	PASS
		50	0	5.51	<13	PASS
	MCH	1	0	5	<13	PASS
		1	24	5.31	<13	PASS
		1	49	5.34	<13	PASS
		25	0	5.5	<13	PASS
		25	12	5.56	<13	PASS
		25	25	5.54	<13	PASS
		50	0	5.49	<13	PASS
	HCH	1	0	4.88	<13	PASS
		1	24	5.14	<13	PASS
		1	49	5.01	<13	PASS
		25	0	5.53	<13	PASS
		25	12	5.61	<13	PASS
		25	25	5.57	<13	PASS
		50	0	5.54	<13	PASS
16QAM	LCH	1	0	5.96	<13	PASS

		1	24	6.33	<13	PASS
		1	49	6.4	<13	PASS
		25	0	6.29	<13	PASS
		25	12	6.38	<13	PASS
		25	25	6.33	<13	PASS
		50	0	6.22	<13	PASS
	MCH	1	0	5.98	<13	PASS
		1	24	6.14	<13	PASS
		1	49	6.45	<13	PASS
		25	0	6.25	<13	PASS
		25	12	6.36	<13	PASS
		25	25	6.35	<13	PASS
		50	0	6.19	<13	PASS
	HCH	1	0	6.12	<13	PASS
		1	24	6.06	<13	PASS
		1	49	6.02	<13	PASS
		25	0	6.32	<13	PASS
		25	12	6.39	<13	PASS
		25	25	6.35	<13	PASS
		50	0	6.27	<13	PASS

Channel Bandwidth: 15 MHz

Channel Bandwidth: 15 MHz						
Modulation	Channel	RB Configuration		Peak-to-Average Ratio	Limit	Verdict
		Size	Offset	[dB]	[dB]	
QPSK	LCH	1	0	5.05	<13	PASS
		1	37	5.31	<13	PASS
		1	74	4.88	<13	PASS
		37	0	5.51	<13	PASS
		37	18	5.57	<13	PASS
		37	38	5.5	<13	PASS
		75	0	5.83	<13	PASS
	MCH	1	0	4.66	<13	PASS
		1	37	5.35	<13	PASS
		1	74	5.14	<13	PASS
		37	0	5.45	<13	PASS
		37	18	5.55	<13	PASS
		37	38	5.52	<13	PASS
		75	0	5.83	<13	PASS
	HCH	1	0	5.05	<13	PASS
		1	37	5.32	<13	PASS

		1	74	5.31	<13	PASS
		37	0	5.52	<13	PASS
		37	18	5.54	<13	PASS
		37	38	5.48	<13	PASS
		75	0	5.85	<13	PASS
16QAM	LCH	1	0	5.96	<13	PASS
		1	37	6.23	<13	PASS
		1	74	5.73	<13	PASS
		37	0	6.26	<13	PASS
		37	18	6.24	<13	PASS
		37	38	6.27	<13	PASS
		75	0	6.31	<13	PASS
	MCH	1	0	5.61	<13	PASS
		1	37	6.19	<13	PASS
		1	74	6.15	<13	PASS
		37	0	6.14	<13	PASS
		37	18	6.26	<13	PASS
		37	38	6.3	<13	PASS
		75	0	6.3	<13	PASS
	HCH	1	0	6.19	<13	PASS
		1	37	6.37	<13	PASS
		1	74	6.09	<13	PASS
		37	0	6.33	<13	PASS
		37	18	6.3	<13	PASS
		37	38	6.29	<13	PASS
		75	0	6.29	<13	PASS

Channel Bandwidth: 20 MHz

Channel Bandwidth: 20 MHz						
Modulation	Channel	RB Configuration		Peak-to-Average Ratio	Limit	Verdict
		Size	Offset	[dB]	[dB]	
QPSK	LCH	1	0	4.8	<13	PASS
		1	49	5.06	<13	PASS
		1	99	4.43	<13	PASS
		50	0	5.52	<13	PASS
		50	25	5.55	<13	PASS
		50	50	5.37	<13	PASS
		100	0	5.51	<13	PASS
	MCH	1	0	4.52	<13	PASS
		1	49	5.06	<13	PASS
		1	99	4.97	<13	PASS

		50	0	5.44	<13	PASS
		50	25	5.54	<13	PASS
		50	50	5.51	<13	PASS
		100	0	5.58	<13	PASS
	HCH	1	0	5.04	<13	PASS
		1	49	5.44	<13	PASS
		1	99	5.32	<13	PASS
		50	0	5.5	<13	PASS
		50	25	5.55	<13	PASS
		50	50	5.53	<13	PASS
		100	0	5.62	<13	PASS
16QAM	LCH	1	0	6.02	<13	PASS
		1	49	6.27	<13	PASS
		1	99	5.24	<13	PASS
		50	0	6.28	<13	PASS
		50	25	6.28	<13	PASS
		50	50	6.17	<13	PASS
		100	0	6.22	<13	PASS
	MCH	1	0	5.34	<13	PASS
		1	49	6.02	<13	PASS
		1	99	5.78	<13	PASS
		50	0	6.17	<13	PASS
		50	25	6.24	<13	PASS
		50	50	6.24	<13	PASS
		100	0	6.27	<13	PASS
	HCH	1	0	5.73	<13	PASS
		1	49	6.2	<13	PASS
		1	99	6.11	<13	PASS
		50	0	6.13	<13	PASS
		50	25	6.18	<13	PASS
		50	50	6.23	<13	PASS
		100	0	6.31	<13	PASS

Test Graphs

Channel Bandwidth: 5 MHz

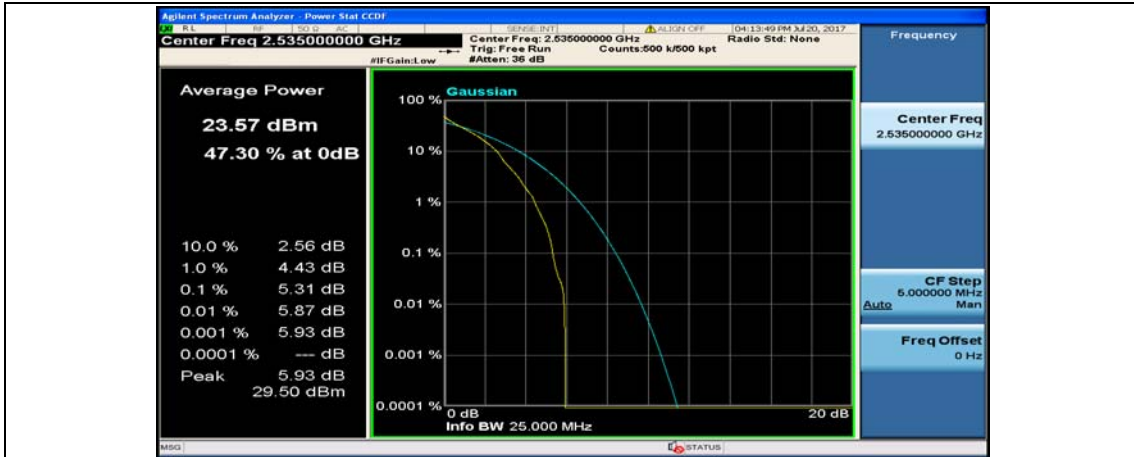| (Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#0 |
| --- |
| |
| (Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#12 |
| |
| (Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#24 |
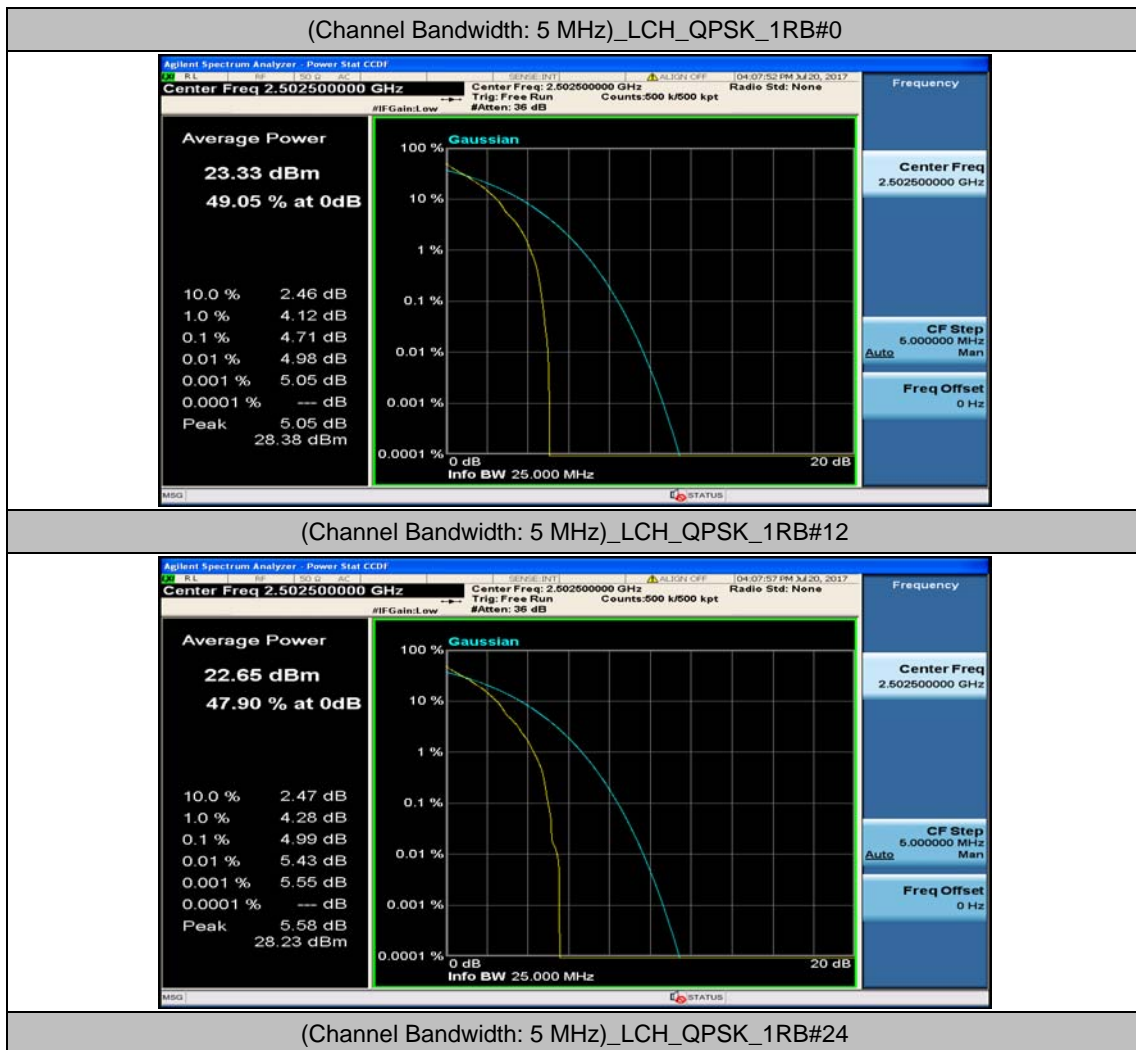
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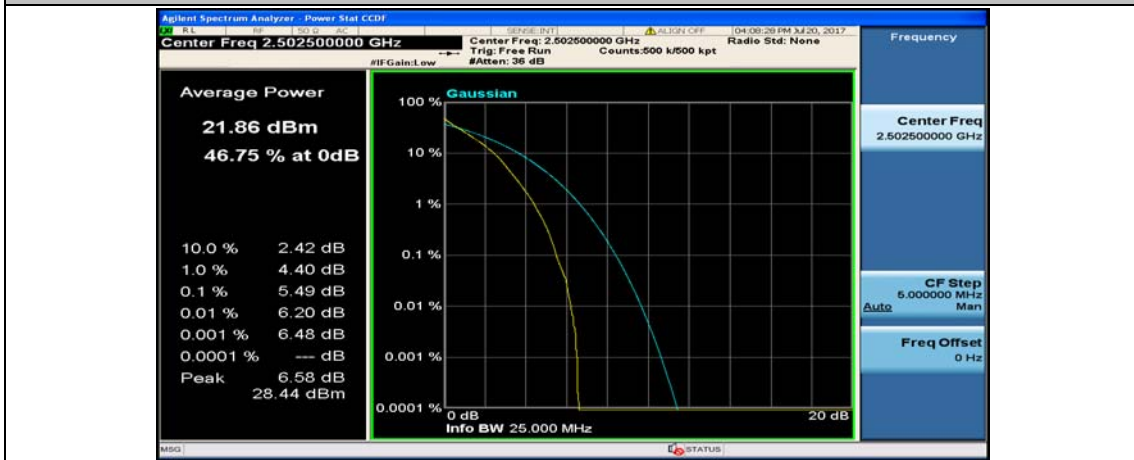
(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#6

(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#13
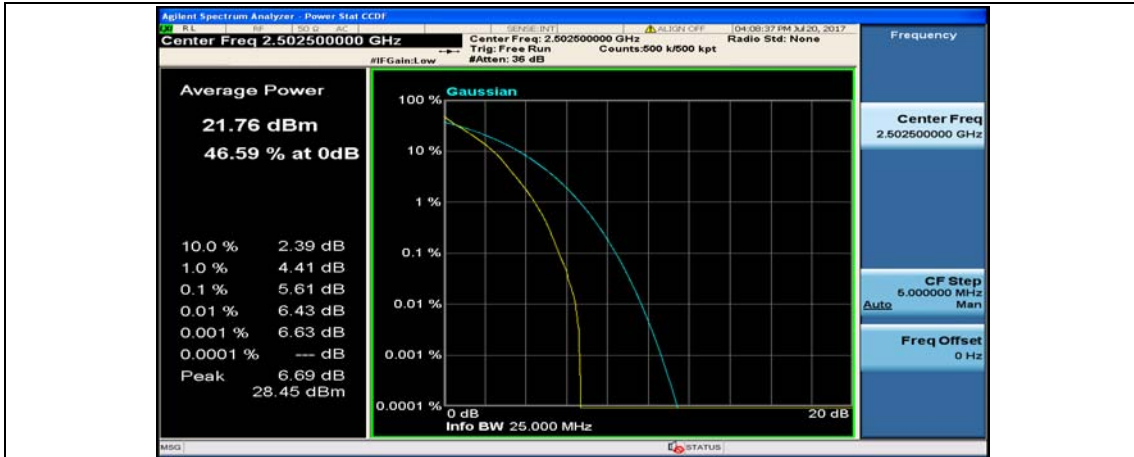
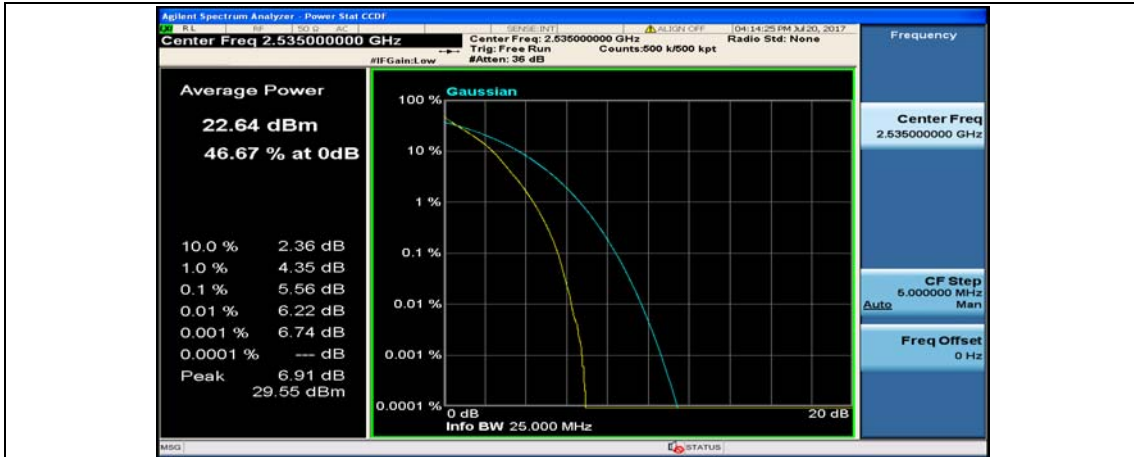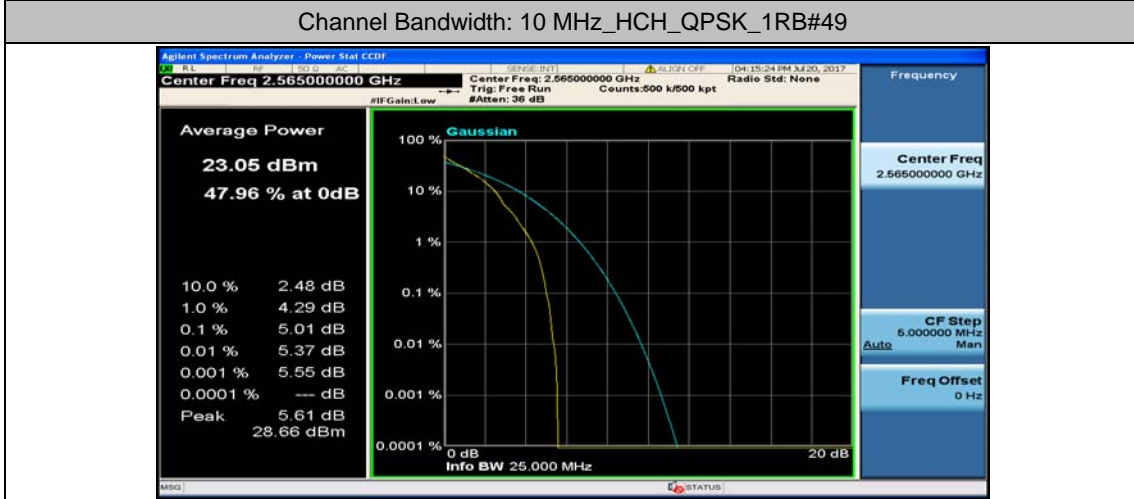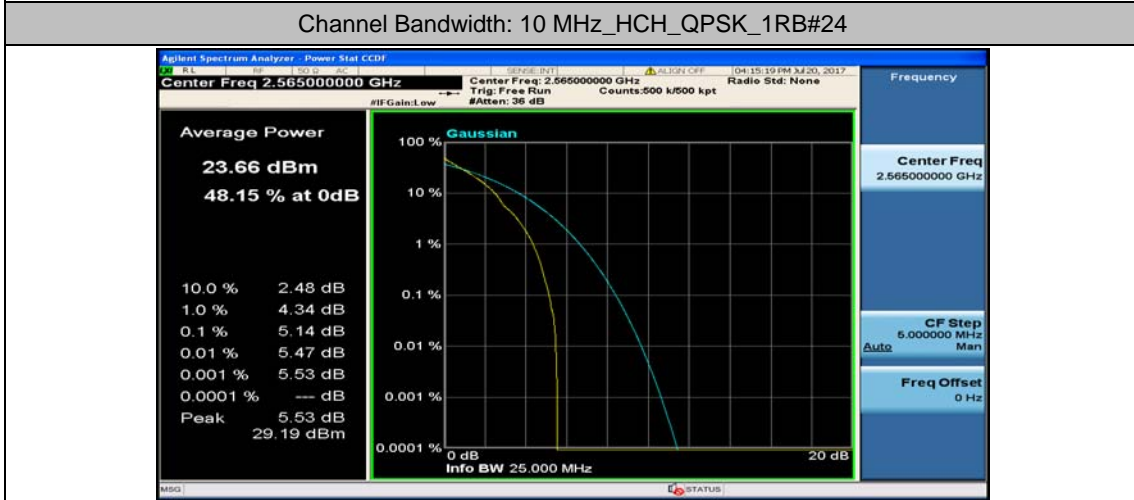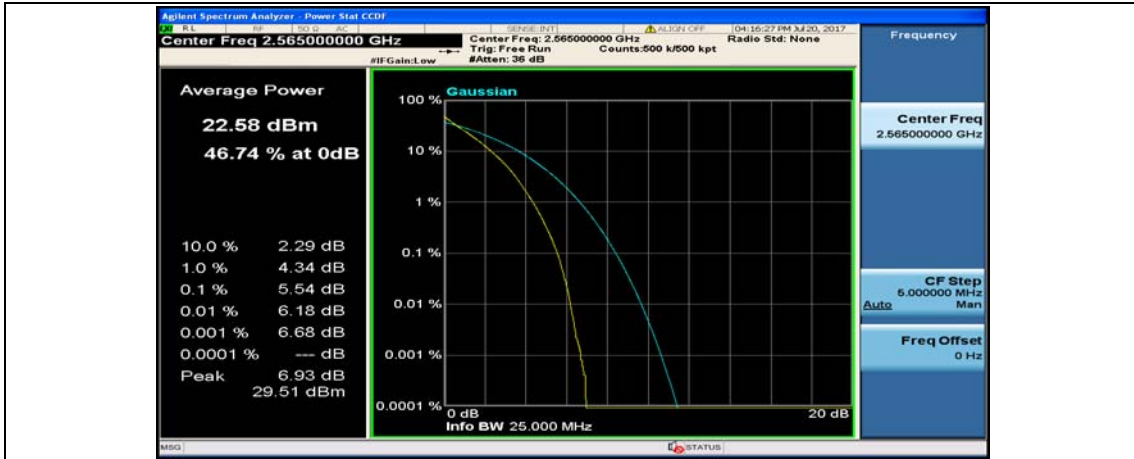(Channel Bandwidth: 5 MHz)_LCH_QPSK_25RB#0

(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#0
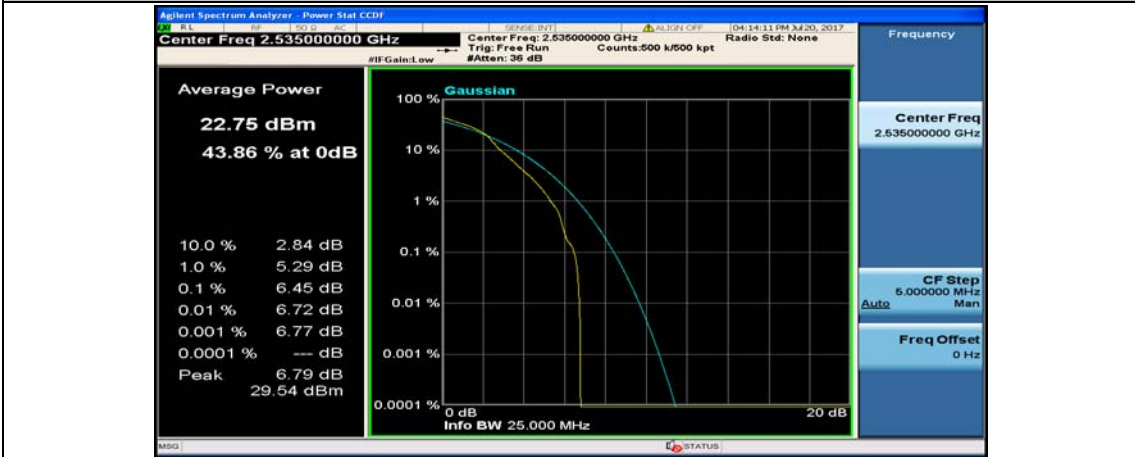

(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#12

(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#24
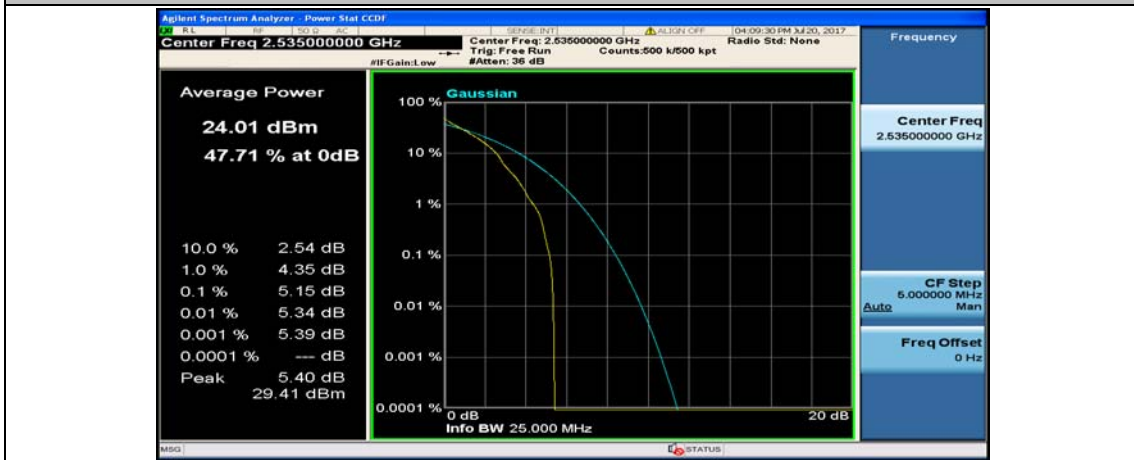
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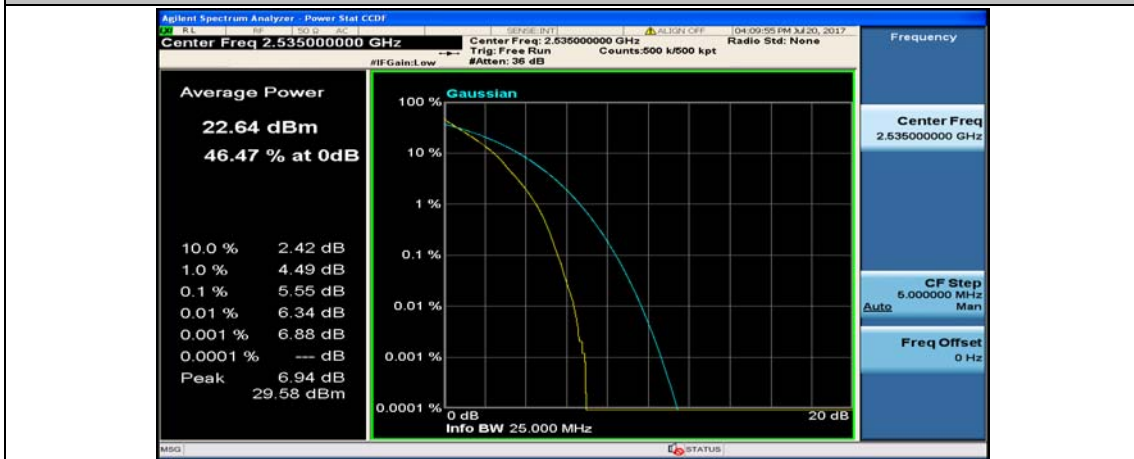
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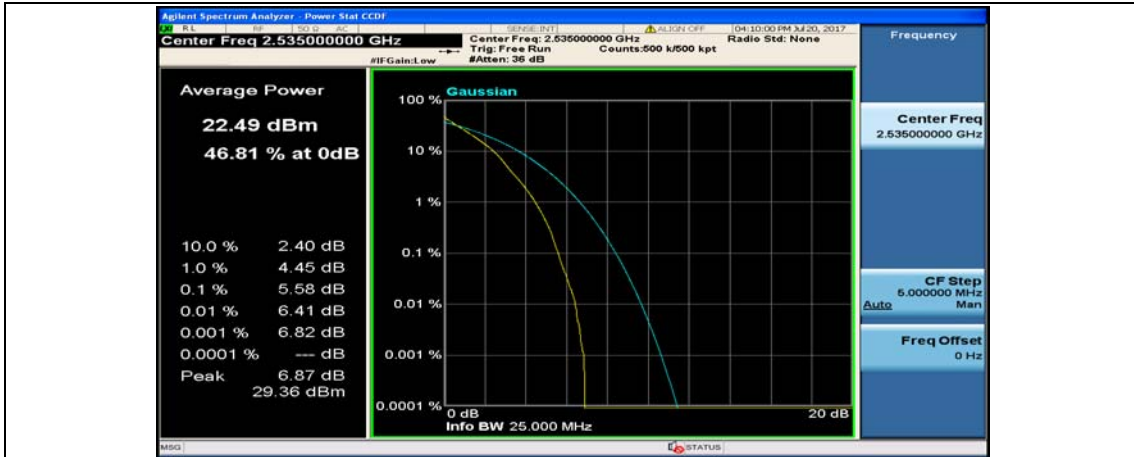
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(Channel Bandwidth: 5 MHz)_MCH_QPSK_25RB#0

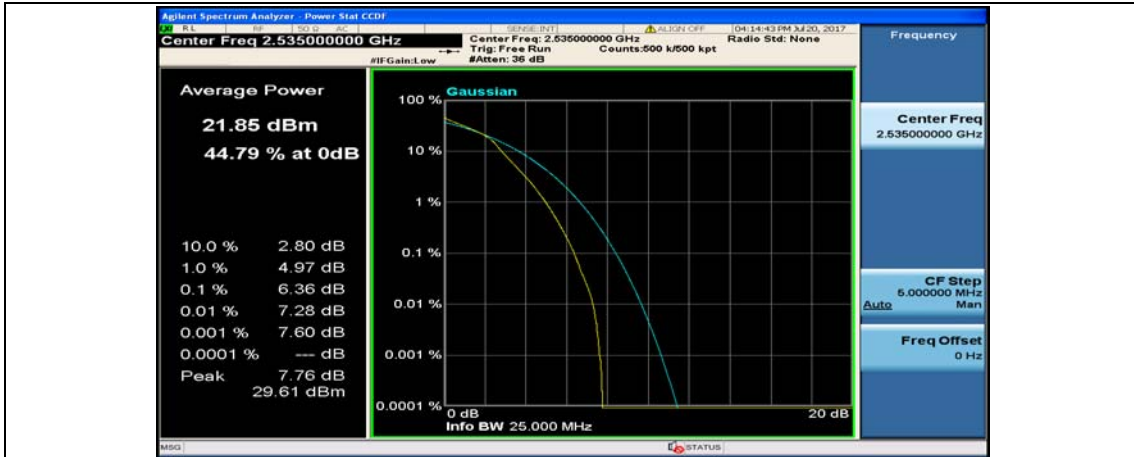(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#0
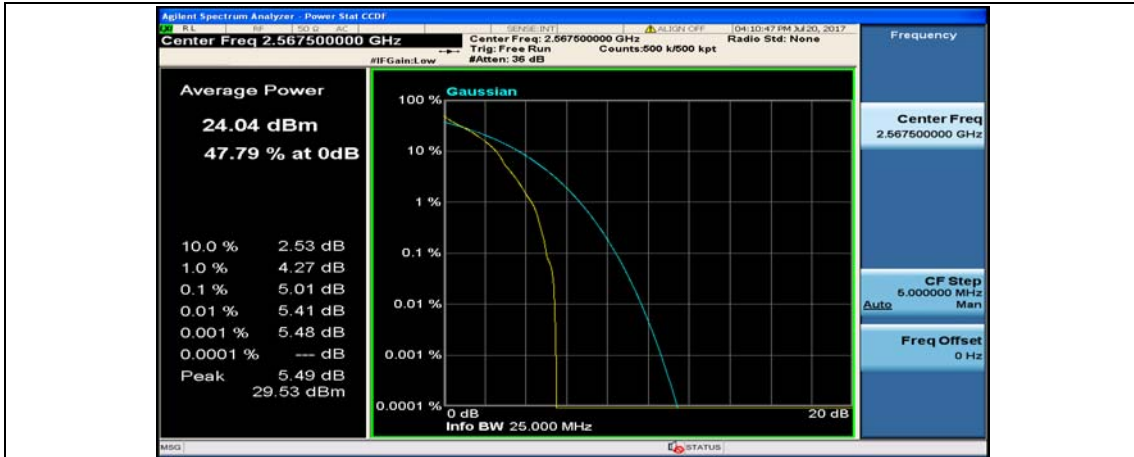
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(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#24
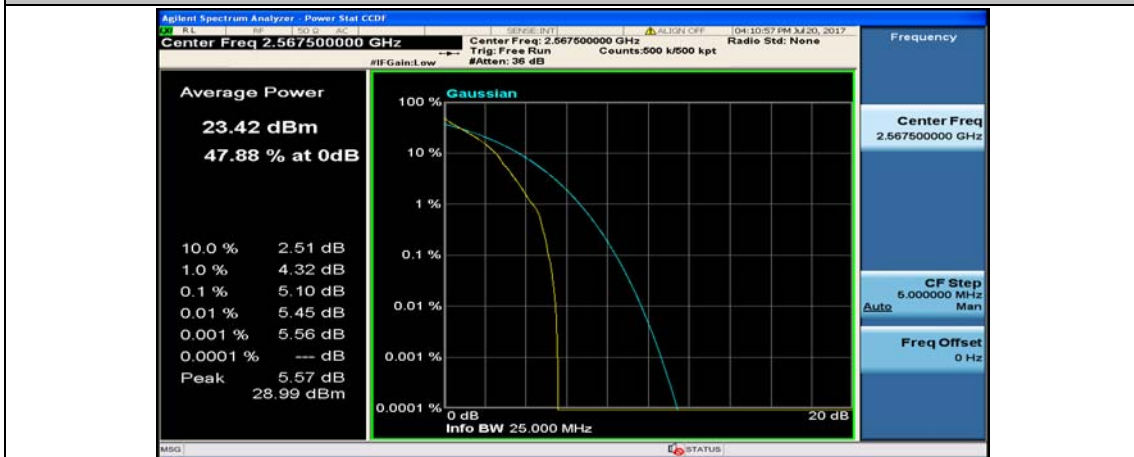
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(Channel Bandwidth: 5 MHz)_HCH_QPSK_12RB#6

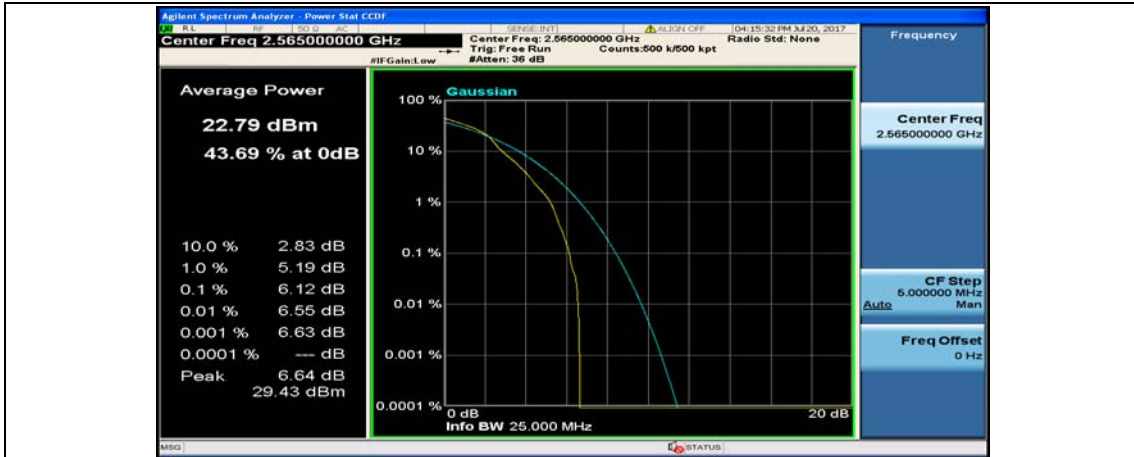(Channel Bandwidth: 5 MHz)_HCH_QPSK_12RB#13
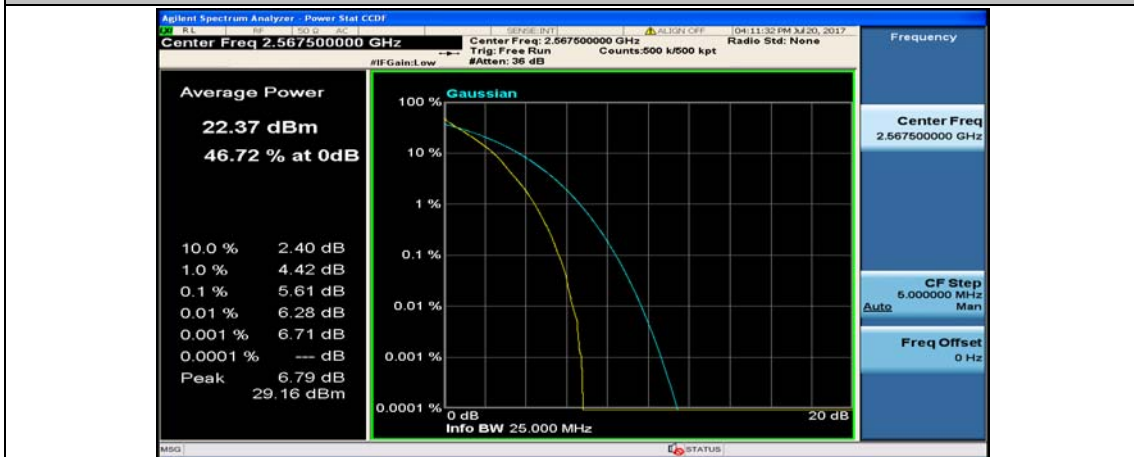
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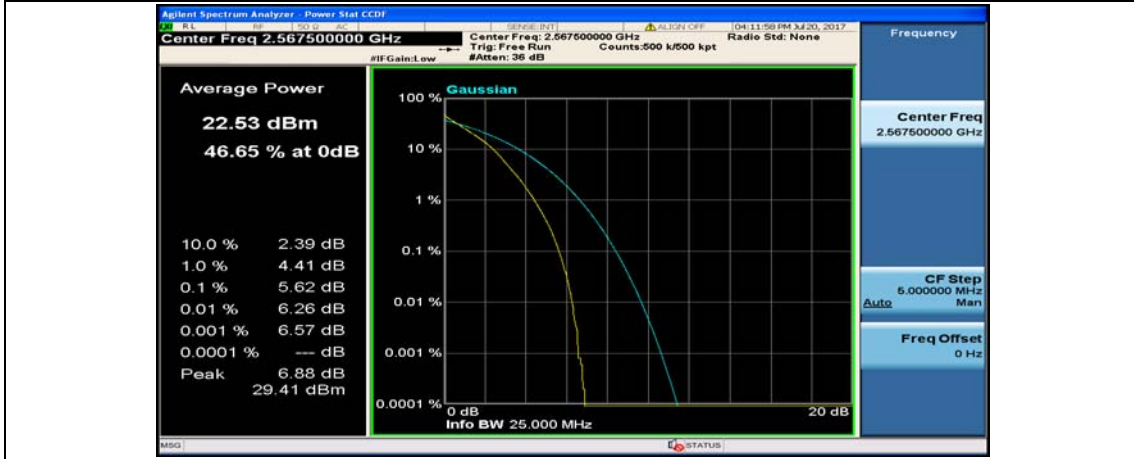
(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#0
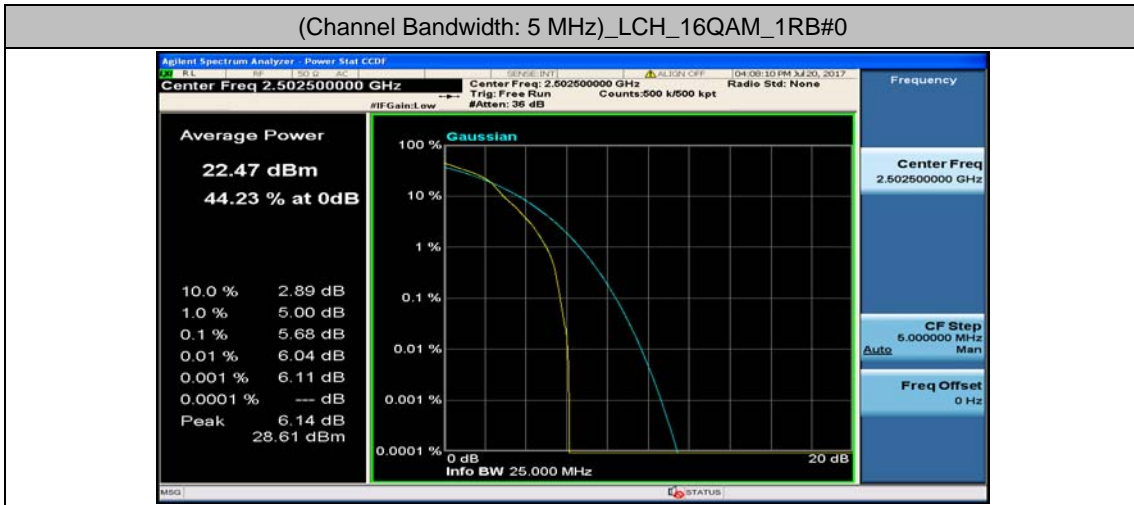
(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#12

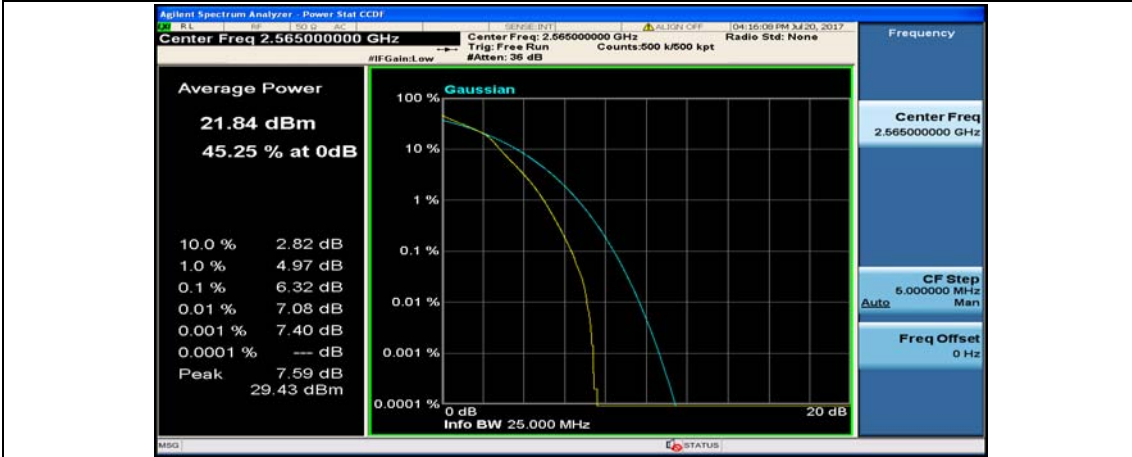

(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#24

Model: AM530

(Channel Bandwidth: 5 MHz)_LCH_16QAM_12RB#0

(Channel Bandwidth: 5 MHz)_LCH_16QAM_12RB#6

(Channel Bandwidth: 5 MHz)_LCH_16QAM_12RB#13
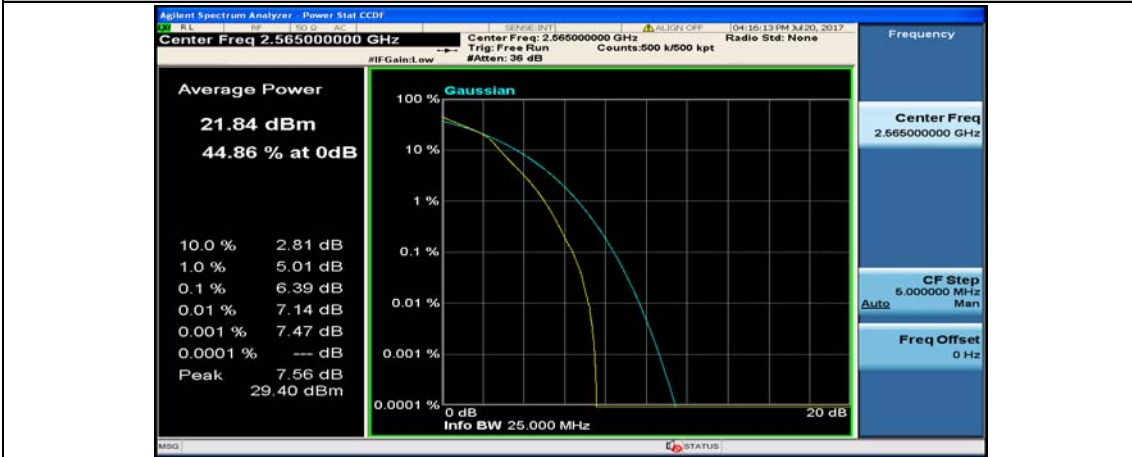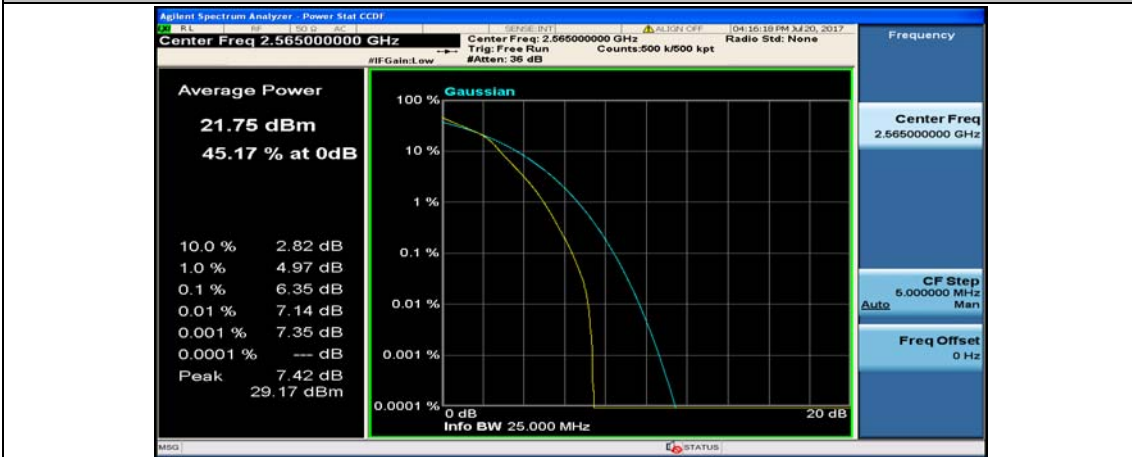
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(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#0

(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
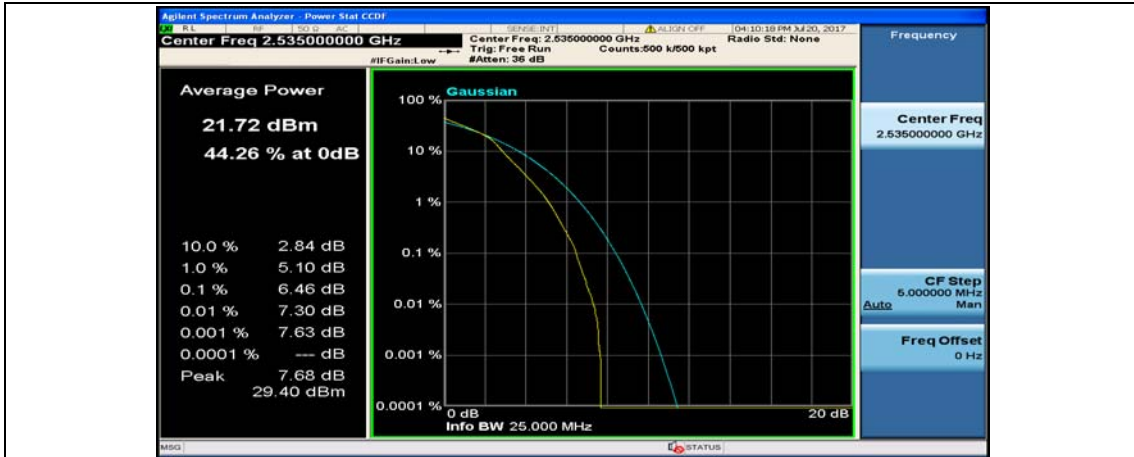
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(Channel Bandwidth: 5 MHz)_MCH_16QAM_25RB#0

(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#0

(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#12

(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_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

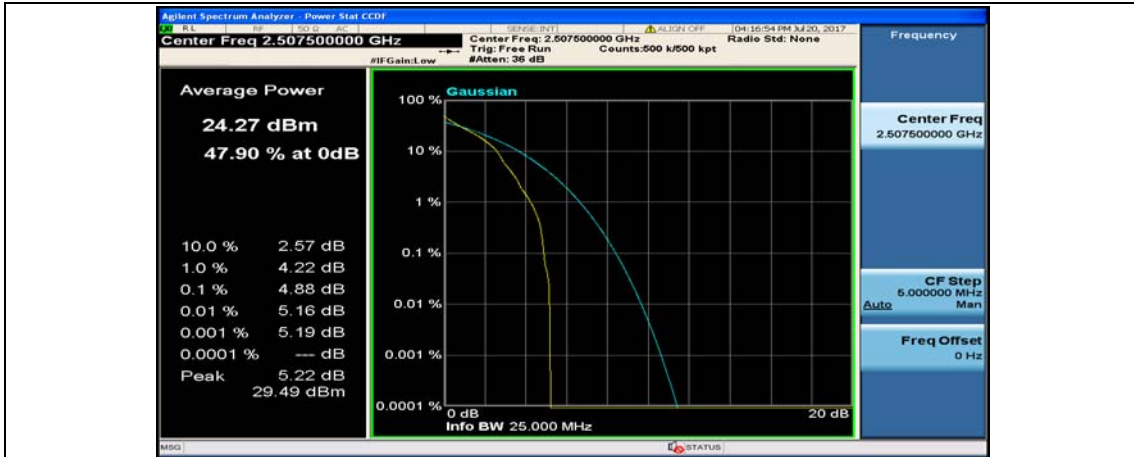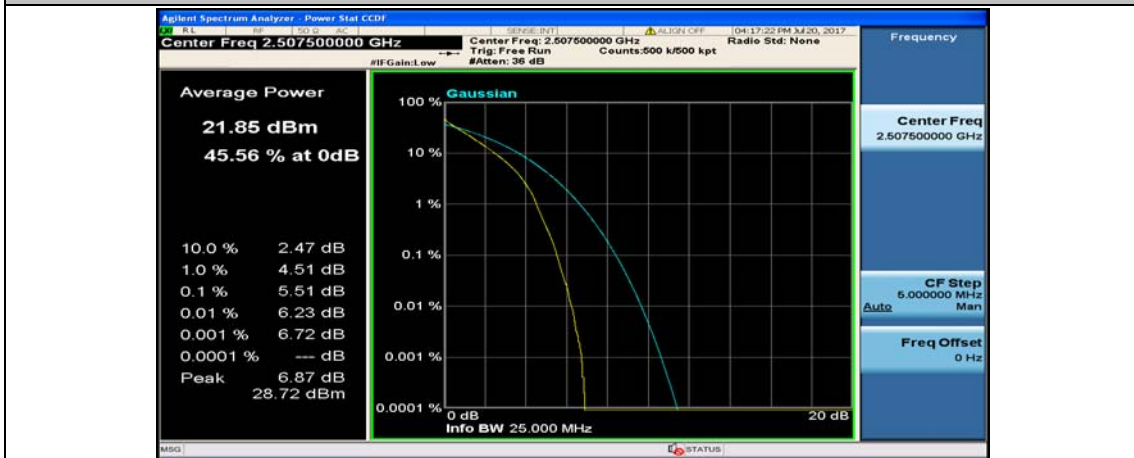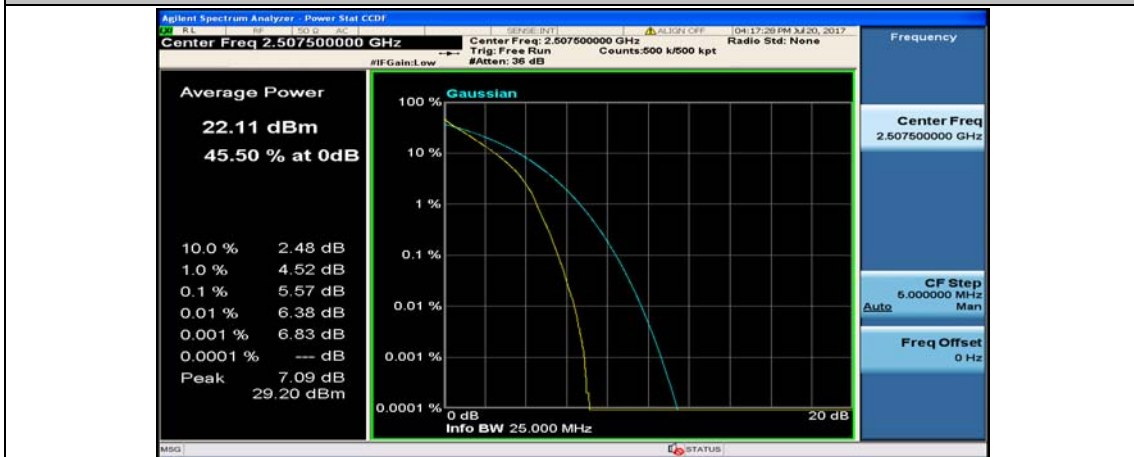Channel Bandwidth: 10 MHz_LCH_QPSK_50RB#0

Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#0
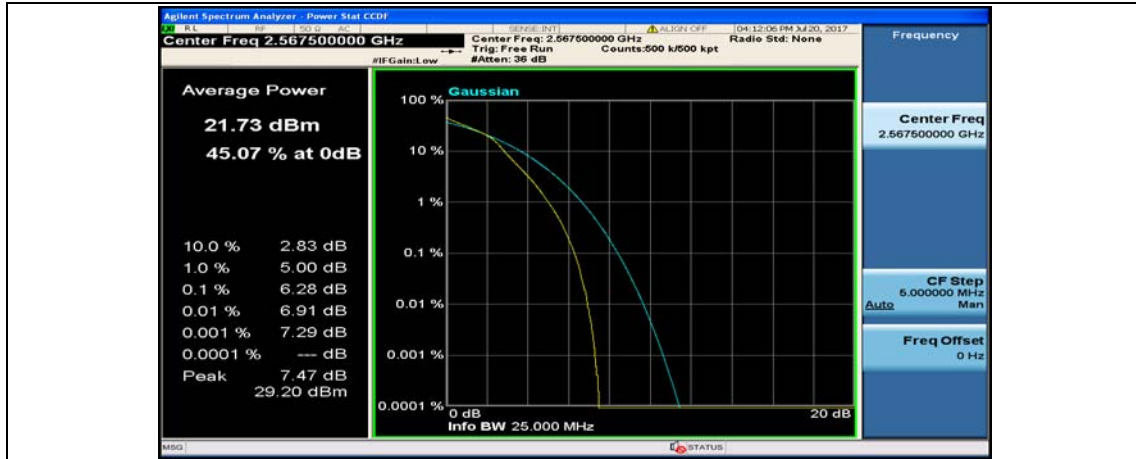
Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#24
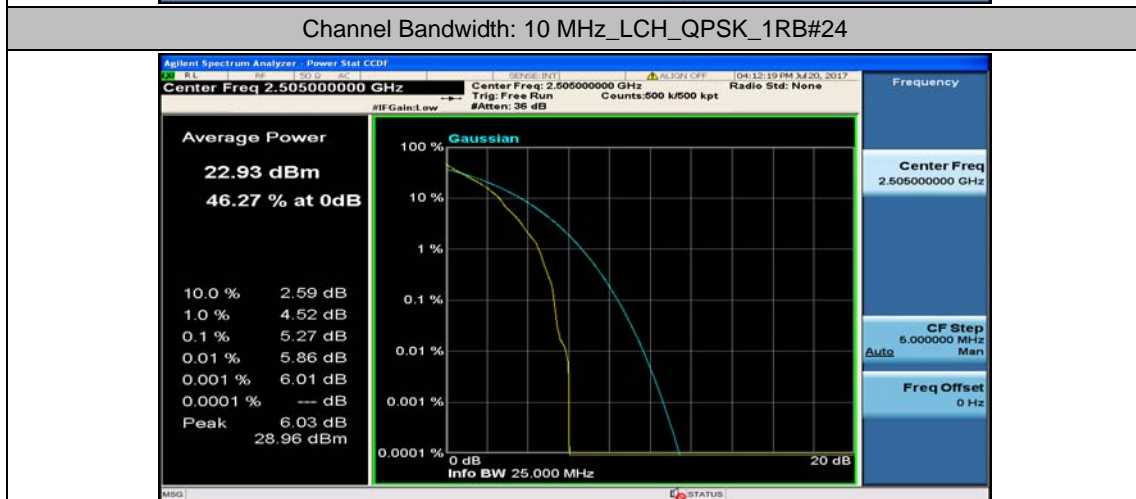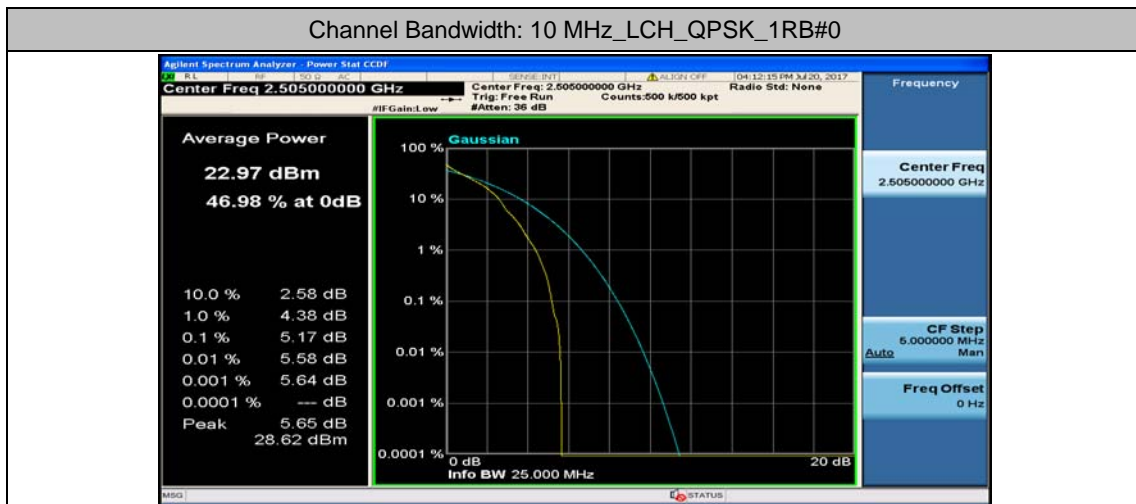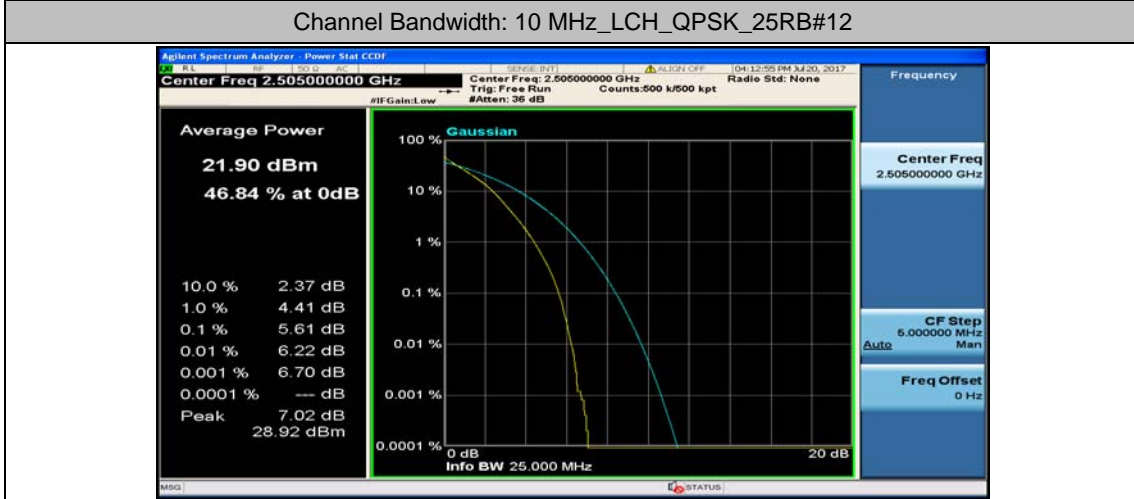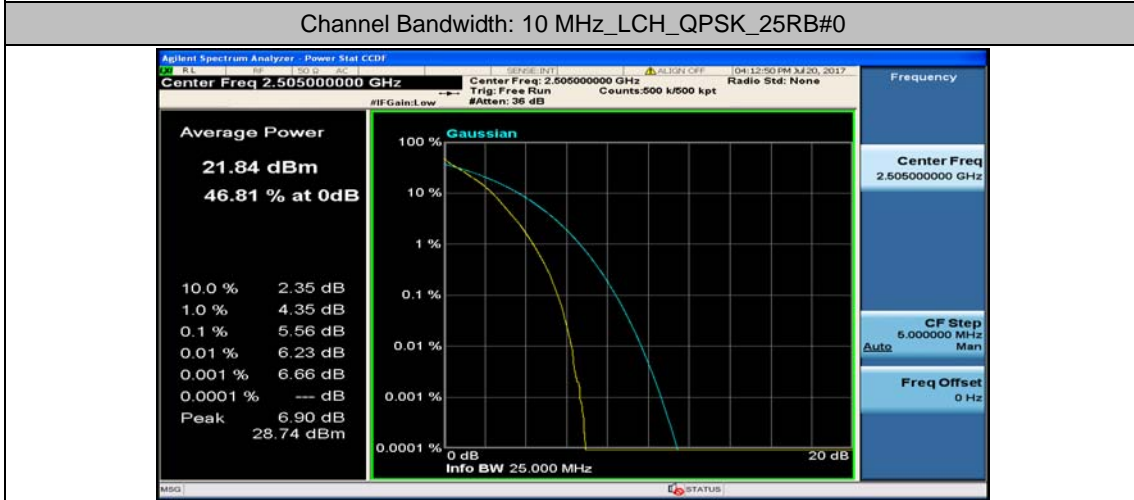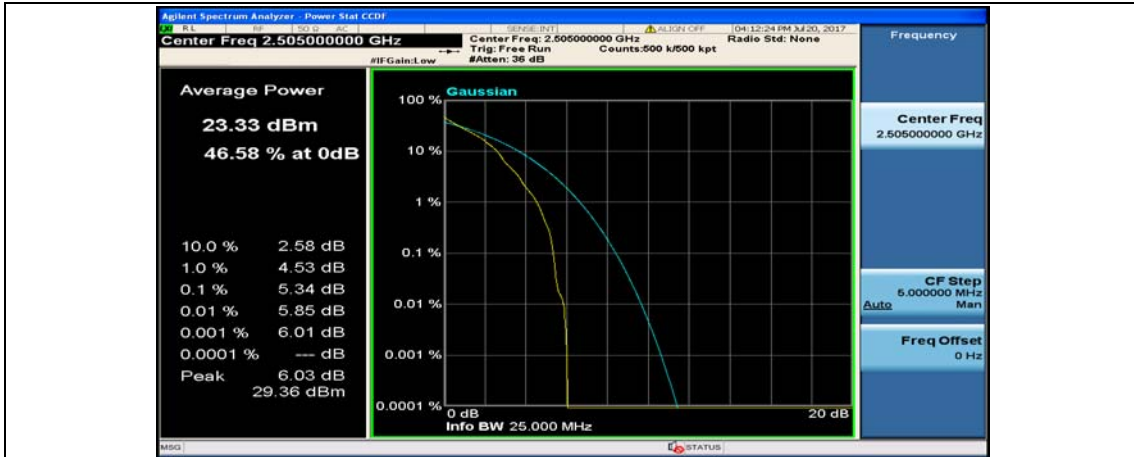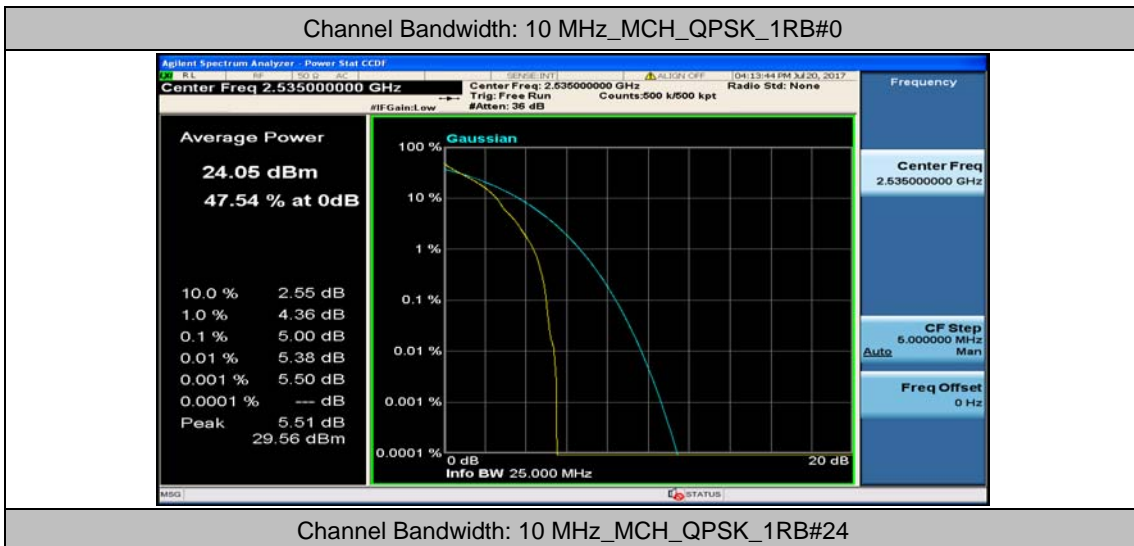
Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#49

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
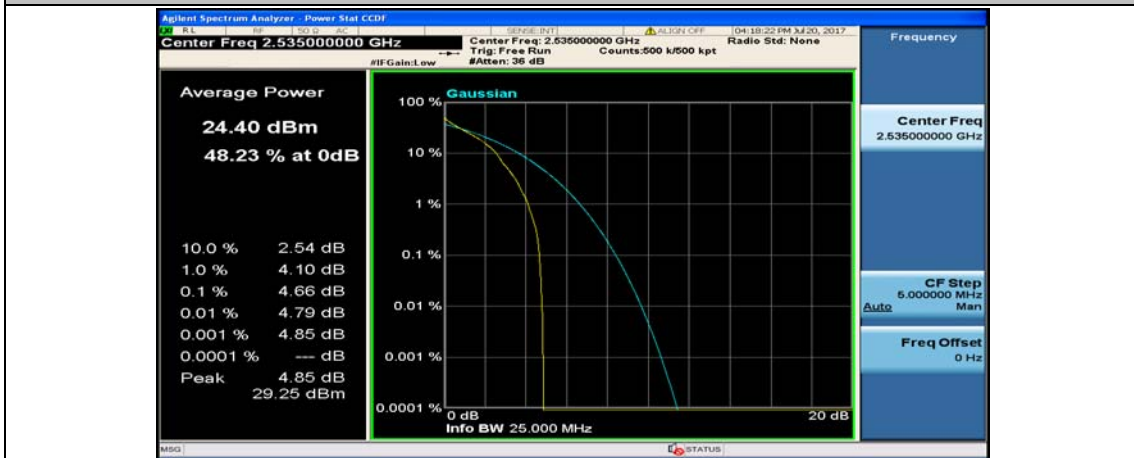
Channel Bandwidth: 10 MHz_HCH_QPSK_25RB#12

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

Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#49

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
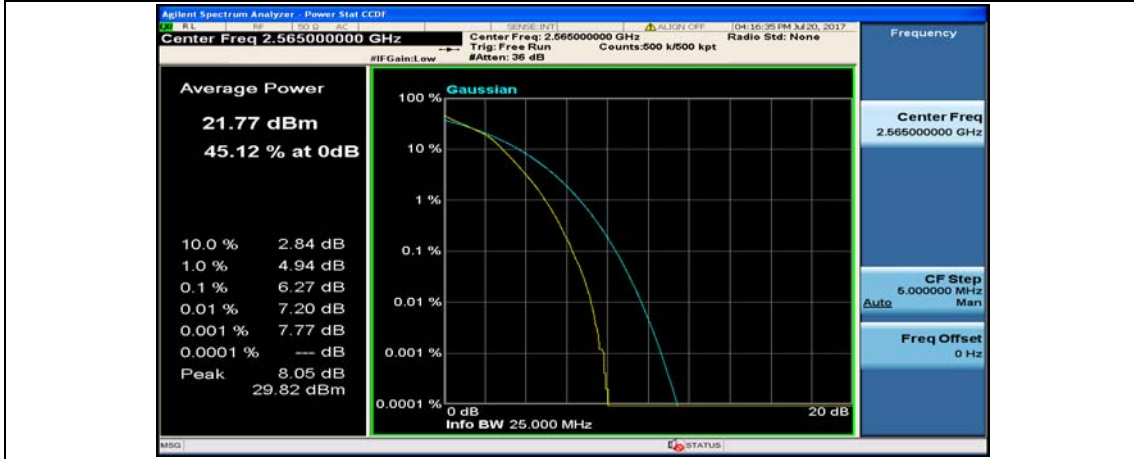
Channel Bandwidth: 15 MHz

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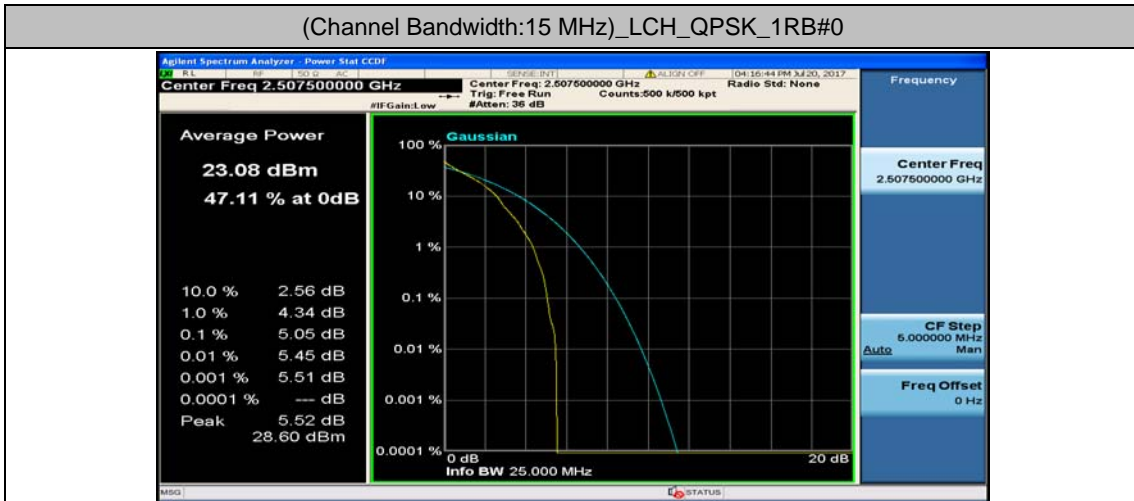
(Channel Bandwidth:15 MHz)_LCH_QPSK_37RB#0

(Channel Bandwidth:15 MHz)_LCH_QPSK_37RB#18

(Channel Bandwidth:15 MHz)_LCH_QPSK_37RB#38

(Channel Bandwidth:15 MHz)_LCH_QPSK_75RB#0
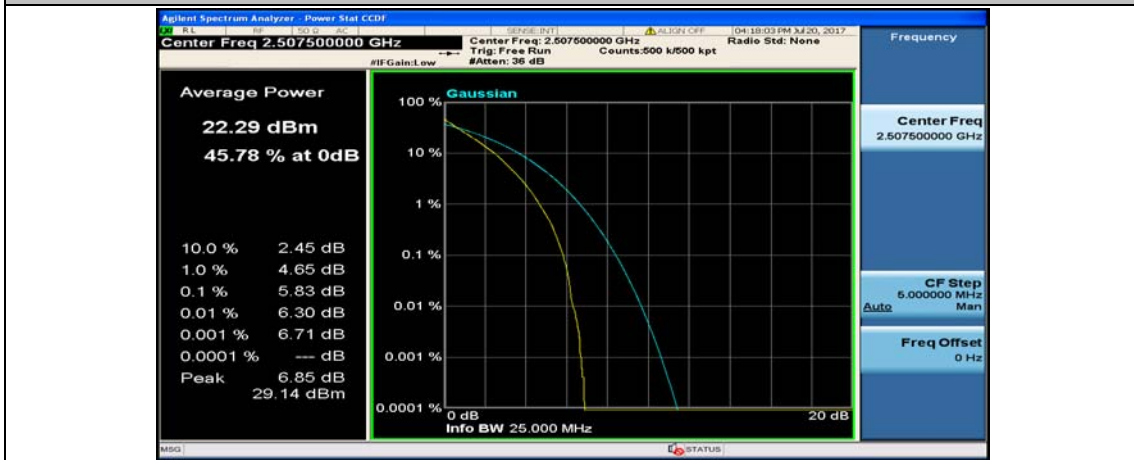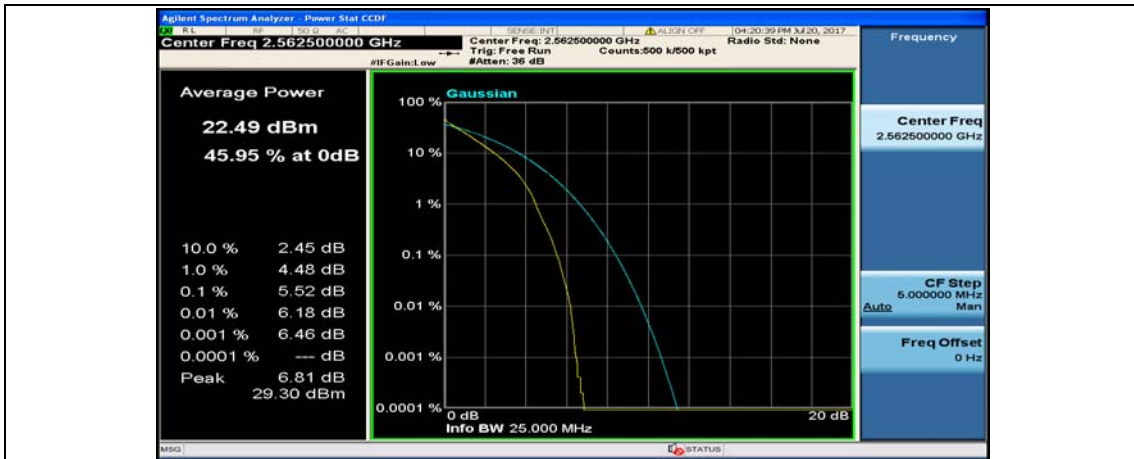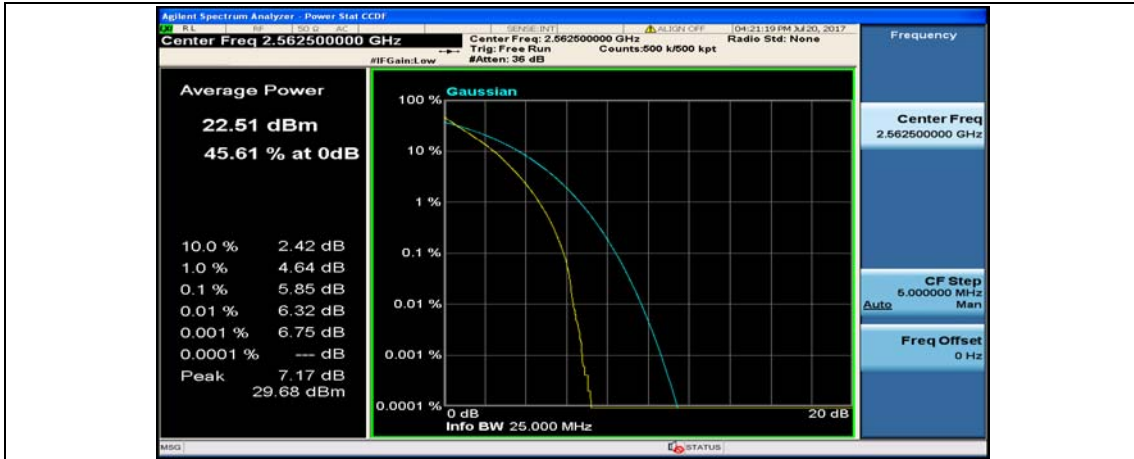

(Channel Bandwidth:15 MHz)_MCH_QPSK_1RB#0

(Channel Bandwidth:15 MHz)_MCH_QPSK_1RB#37
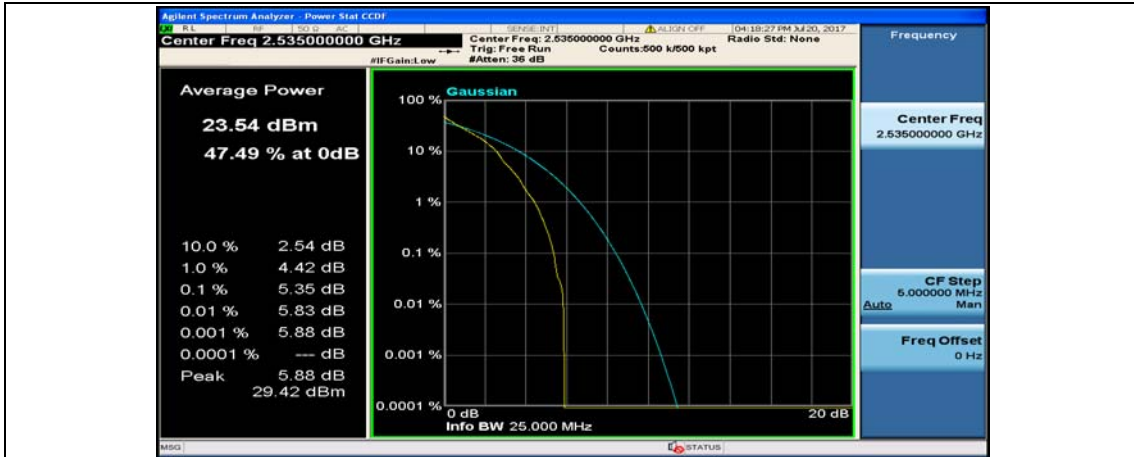
(Channel Bandwidth:15 MHz)_MCH_QPSK_1RB#74

(Channel Bandwidth:15 MHz)_MCH_QPSK_37RB#0
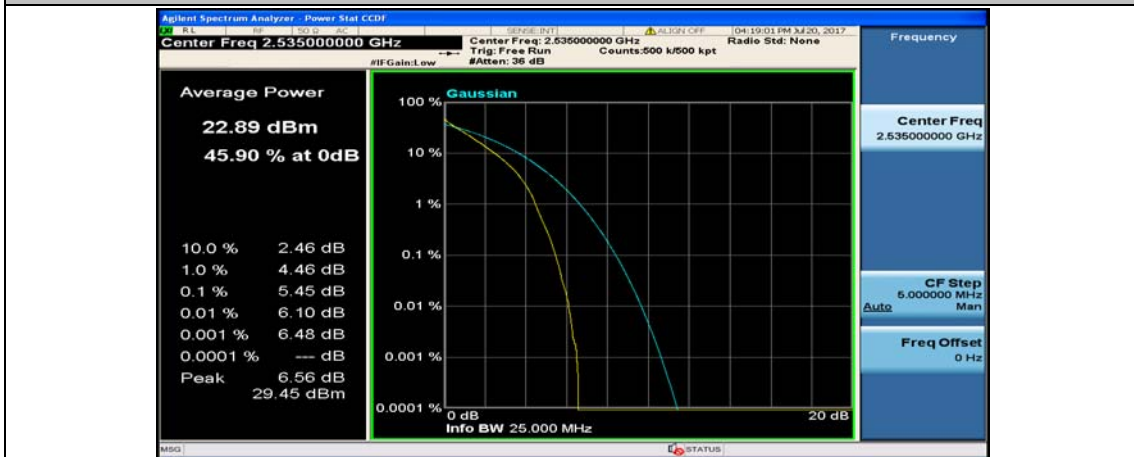
(Channel Bandwidth:15 MHz)_MCH_QPSK_37RB#18

(Channel Bandwidth:15 MHz)_MCH_QPSK_37RB#38
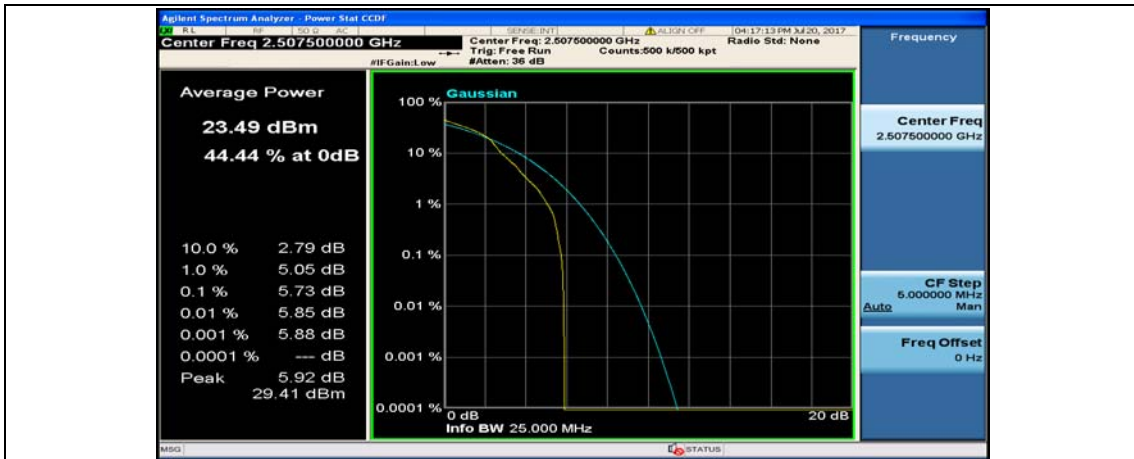

(Channel Bandwidth:15 MHz)_MCH_QPSK_75RB#0

(Channel Bandwidth:15 MHz)_HCH_QPSK_1RB#0
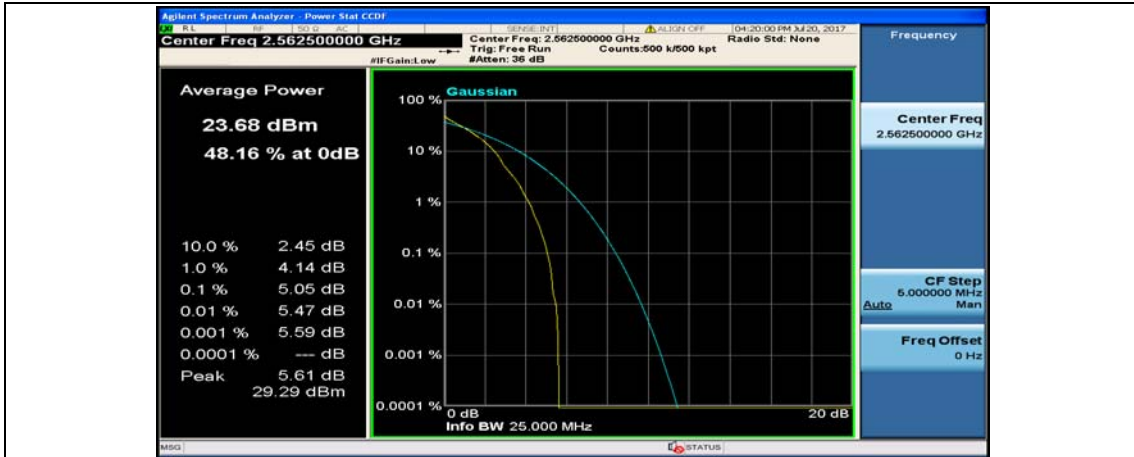
(Channel Bandwidth:15 MHz)_HCH_QPSK_1RB#37

(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

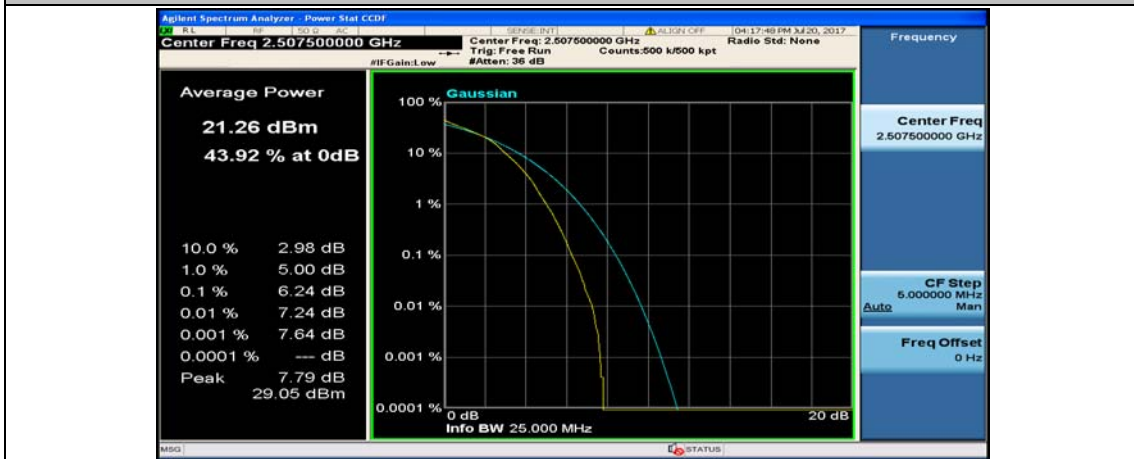| (Channel Bandwidth:15 MHz)_LCH_16QAM_1RB#0 |
|---|
| |
| (Channel Bandwidth:15 MHz)_LCH_16QAM_1RB#37 |
| |
| (Channel Bandwidth:15 MHz)_LCH_16QAM_1RB#74 |

(Channel Bandwidth:15 MHz)_LCH_16QAM_37RB#0

(Channel Bandwidth:15 MHz)_LCH_16QAM_37RB#18
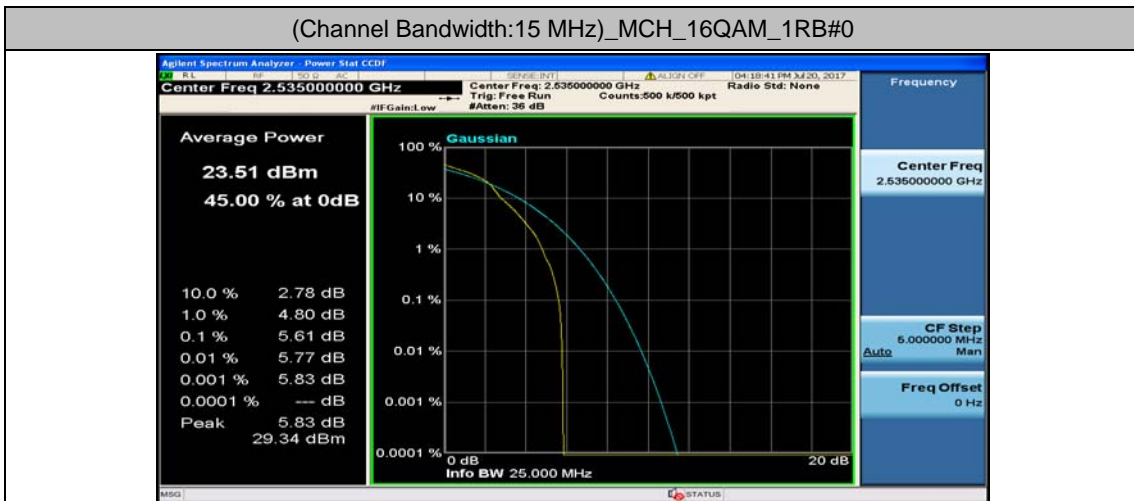

(Channel Bandwidth:15 MHz)_LCH_16QAM_37RB#38

(Channel Bandwidth:15 MHz)_LCH_16QAM_75RB#0

(Channel Bandwidth:15 MHz)_MCH_16QAM_1RB#0

(Channel Bandwidth:15 MHz)_MCH_16QAM_1RB#37