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	24.09	PASS
		1	12	24.05	PASS
		1	24	23.92	PASS
		12	0	23.01	PASS
		12	6	23.08	PASS
		12	13	22.99	PASS
		25	0	22.99	PASS
	MCH	1	0	23.16	PASS
		1	12	23.42	PASS
		1	24	23.05	PASS
		12	0	22.23	PASS
		12	6	22.25	PASS
		12	13	22.17	PASS
		25	0	22.18	PASS
	HCH	1	0	22.5	PASS
		1	12	22.86	PASS
		1	24	22.59	PASS
		12	0	21.57	PASS
		12	6	21.6	PASS
		12	13	21.59	PASS
		25	0	21.5	PASS
16QAM	LCH	1	0	22.99	PASS
		1	12	23.17	PASS
		1	24	22.95	PASS
		12	0	21.91	PASS
		12	6	21.98	PASS
		12	13	21.89	PASS
		25	0	21.88	PASS
	MCH	1	0	22.28	PASS
		1	12	22.5	PASS
		1	24	22.19	PASS

		12	0	21.31	PASS
		12	6	21.34	PASS
		12	13	21.25	PASS
		25	0	21.18	PASS
	HCH	1	0	21.57	PASS
		1	12	21.88	PASS
		1	24	21.6	PASS
		12	0	20.52	PASS
		12	6	20.52	PASS
		12	13	20.54	PASS
		25	0	20.52	PASS

Channel Bandwidth: 10 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	24.08	PASS
		1	24	24.03	PASS
		1	49	24.11	PASS
		25	0	23	PASS
		25	12	23.02	PASS
		25	25	23.05	PASS
		50	0	22.94	PASS
	MCH	1	0	23.29	PASS
		1	24	23.32	PASS
		1	49	23.1	PASS
		25	0	22.27	PASS
		25	12	22.23	PASS
		25	25	22.24	PASS
		50	0	22.2	PASS
	HCH	1	0	22.57	PASS
		1	24	22.62	PASS
		1	49	22.56	PASS
		25	0	21.58	PASS
		25	12	21.53	PASS
		25	25	21.62	PASS
		50	0	21.56	PASS
16QAM	LCH	1	0	23.07	PASS
		1	24	23.18	PASS
		1	49	23	PASS
		25	0	21.87	PASS
		25	12	21.87	PASS
		25	25	21.89	PASS

		50	0	21.87	PASS
	MCH	1	0	22.49	PASS
		1	24	22.48	PASS
		1	49	22.2	PASS
		25	0	21.23	PASS
		25	12	21.2	PASS
		25	25	21.22	PASS
		50	0	21.22	PASS
	HCH	1	0	21.59	PASS
		1	24	21.71	PASS
		1	49	21.59	PASS
		25	0	20.68	PASS
		25	12	20.87	PASS
		25	25	20.54	PASS
		50	0	20.51	PASS

Channel Bandwidth: 15 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	23.71	PASS
		1	37	24.05	PASS
		1	74	23.33	PASS
		37	0	22.88	PASS
		37	18	22.88	PASS
		37	38	22.73	PASS
		75	0	22.8	PASS
	MCH	1	0	23.32	PASS
		1	37	23.47	PASS
		1	74	22.9	PASS
		37	0	22.29	PASS
		37	18	22.25	PASS
		37	38	22.17	PASS
		75	0	22.2	PASS
	HCH	1	0	22.97	PASS
		1	37	22.69	PASS
		1	74	22.74	PASS
		37	0	21.64	PASS
		37	18	21.58	PASS
		37	38	21.55	PASS
		75	0	21.63	PASS
16QAM	LCH	1	0	22.93	PASS
		1	37	23.15	PASS

		1	74	22.44	PASS
		37	0	21.67	PASS
		37	18	21.69	PASS
		37	38	21.52	PASS
		75	0	21.63	PASS
	MCH	1	0	22.42	PASS
		1	37	22.58	PASS
		1	74	21.86	PASS
		37	0	21.32	PASS
		37	18	21.23	PASS
		37	38	21.16	PASS
		75	0	21.15	PASS
	HCH	1	0	21.51	PASS
		1	37	21.68	PASS
		1	74	21.78	PASS
		37	0	20.52	PASS
		37	18	20.53	PASS
		37	38	20.67	PASS
		75	0	20.55	PASS

Channel Bandwidth: 20 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	24.05	PASS
		1	49	24.12	PASS
		1	99	23.87	PASS
		50	0	23.31	PASS
		50	25	23.33	PASS
		50	50	23.21	PASS
		100	0	23.21	PASS
	MCH	1	0	23.41	PASS
		1	49	23.87	PASS
		1	99	23.1	PASS
		50	0	22.48	PASS
		50	25	22.43	PASS
		50	50	22.37	PASS
		100	0	22.44	PASS
	HCH	1	0	23.67	PASS
		1	49	23.74	PASS
		1	99	23.98	PASS
		50	0	22.86	PASS
		50	25	22.83	PASS

		50	50	22.8	PASS
		100	0	22.82	PASS
16QAM	LCH	1	0	22.99	PASS
		1	49	23.13	PASS
		1	99	22.71	PASS
		50	0	22.06	PASS
		50	25	22.05	PASS
		50	50	21.94	PASS
		100	0	22	PASS
	MCH	1	0	22.43	PASS
		1	49	22.42	PASS
		1	99	21.99	PASS
		50	0	21.36	PASS
		50	25	21.3	PASS
		50	50	21.22	PASS
		100	0	21.3	PASS
	HCH	1	0	22.57	PASS
		1	49	22.73	PASS
		1	99	22.53	PASS
		50	0	21.66	PASS
		50	25	21.64	PASS
		50	50	21.61	PASS
		100	0	21.65	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	1.12	<13	PASS
		1	12	1.02	<13	PASS
		1	24	1	<13	PASS
		12	0	2.32	<13	PASS
		12	6	2.2	<13	PASS
		12	13	2.18	<13	PASS
		25	0	2.31	<13	PASS
	MCH	1	0	2.6	<13	PASS
		1	12	2.12	<13	PASS
		1	24	2.19	<13	PASS
		12	0	3.61	<13	PASS
		12	6	3.53	<13	PASS
		12	13	3.48	<13	PASS
		25	0	3.58	<13	PASS
	HCH	1	0	2.49	<13	PASS
		1	12	2.11	<13	PASS
		1	24	1.94	<13	PASS
		12	0	3.52	<13	PASS
		12	6	3.46	<13	PASS
		12	13	3.41	<13	PASS
		25	0	3.51	<13	PASS
16QAM	LCH	1	0	2.34	<13	PASS
		1	12	2.1	<13	PASS
		1	24	2.33	<13	PASS
		12	0	3.51	<13	PASS
		12	6	3.39	<13	PASS
		12	13	3.42	<13	PASS
		25	0	3.53	<13	PASS
	MCH	1	0	3.3	<13	PASS
		1	12	3.19	<13	PASS
		1	24	3.26	<13	PASS
		12	0	4.61	<13	PASS
		12	6	4.51	<13	PASS

		12	13	4.54	<13	PASS
		25	0	4.6	<13	PASS
	HCH	1	0	3.38	<13	PASS
		1	12	3.17	<13	PASS
		1	24	3.2	<13	PASS
		12	0	4.57	<13	PASS
		12	6	4.55	<13	PASS
		12	13	4.49	<13	PASS
		25	0	4.54	<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	1.09	<13	PASS
		1	24	0.89	<13	PASS
		1	49	0.82	<13	PASS
		25	0	2.29	<13	PASS
		25	12	2.12	<13	PASS
		25	25	1.89	<13	PASS
		50	0	2.38	<13	PASS
	MCH	1	0	2.35	<13	PASS
		1	24	2.17	<13	PASS
		1	49	1.87	<13	PASS
		25	0	3.54	<13	PASS
		25	12	3.5	<13	PASS
		25	25	3.34	<13	PASS
		50	0	3.56	<13	PASS
	HCH	1	0	1.98	<13	PASS
		1	24	2.26	<13	PASS
		1	49	1.99	<13	PASS
		25	0	3.24	<13	PASS
		25	12	3.42	<13	PASS
		25	25	3.4	<13	PASS
		50	0	3.49	<13	PASS
16QAM	LCH	1	0	2.32	<13	PASS
		1	24	1.98	<13	PASS
		1	49	1.94	<13	PASS
		25	0	3.5	<13	PASS
		25	12	3.41	<13	PASS
		25	25	3.19	<13	PASS

		50	0	3.52	<13	PASS
	MCH	1	0	3.35	<13	PASS
		1	24	3.38	<13	PASS
		1	49	3.17	<13	PASS
		25	0	4.61	<13	PASS
		25	12	4.6	<13	PASS
		25	25	4.46	<13	PASS
		50	0	4.66	<13	PASS
	HCH	1	0	2.95	<13	PASS
		1	24	3.26	<13	PASS
		1	49	3.19	<13	PASS
		25	0	4.29	<13	PASS
		25	12	4.49	<13	PASS
		25	25	4.53	<13	PASS
		50	0	4.53	<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	1.04	<13	PASS
		1	37	0.82	<13	PASS
		1	74	0.74	<13	PASS
		37	0	2.05	<13	PASS
		37	18	1.77	<13	PASS
		37	38	1.71	<13	PASS
		75	0	2.72	<13	PASS
	MCH	1	0	2.16	<13	PASS
		1	37	2.11	<13	PASS
		1	74	1.52	<13	PASS
		37	0	3.34	<13	PASS
		37	18	3.31	<13	PASS
		37	38	3.04	<13	PASS
		75	0	3.77	<13	PASS
	HCH	1	0	1.31	<13	PASS
		1	37	2.12	<13	PASS
		1	74	2.12	<13	PASS
		37	0	2.62	<13	PASS
		37	18	3.01	<13	PASS
		37	38	3.28	<13	PASS
		75	0	3.59	<13	PASS

16QAM	LCH	1	0	2.36	<13	PASS
		1	37	1.89	<13	PASS
		1	74	1.89	<13	PASS
		37	0	3.31	<13	PASS
		37	18	3.1	<13	PASS
		37	38	2.92	<13	PASS
		75	0	3.79	<13	PASS
	MCH	1	0	3.28	<13	PASS
		1	37	3.42	<13	PASS
		1	74	3.02	<13	PASS
		37	0	4.44	<13	PASS
		37	18	4.48	<13	PASS
		37	38	4.35	<13	PASS
		75	0	4.84	<13	PASS
	HCH	1	0	2.47	<13	PASS
		1	37	3.05	<13	PASS
		1	74	3.41	<13	PASS
		37	0	3.7	<13	PASS
		37	18	4.1	<13	PASS
		37	38	4.44	<13	PASS
		75	0	4.57	<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	1.26	<13	PASS
		1	49	0.78	<13	PASS
		1	99	1.25	<13	PASS
		50	0	2.75	<13	PASS
		50	25	2.21	<13	PASS
		50	50	2.45	<13	PASS
		100	0	3.45	<13	PASS
	MCH	1	0	2.15	<13	PASS
		1	49	2.33	<13	PASS
		1	99	1.65	<13	PASS
		50	0	4.45	<13	PASS
		50	25	4.36	<13	PASS
		50	50	4.32	<13	PASS
		100	0	4.75	<13	PASS
	HCH	1	0	2.89	<13	PASS

		1	49	3.38	<13	PASS
		1	99	2.38	<13	PASS
		50	0	4.17	<13	PASS
		50	25	4.23	<13	PASS
		50	50	4.03	<13	PASS
		100	0	4.6	<13	PASS
16QAM	LCH	1	0	2.5	<13	PASS
		1	49	1.61	<13	PASS
		1	99	2.15	<13	PASS
		50	0	3.82	<13	PASS
		50	25	3.34	<13	PASS
		50	50	3.48	<13	PASS
		100	0	4.36	<13	PASS
	MCH	1	0	3.51	<13	PASS
		1	49	3.66	<13	PASS
		1	99	3.26	<13	PASS
		50	0	5.71	<13	PASS
		50	25	5.66	<13	PASS
		50	50	5.5	<13	PASS
		100	0	5.81	<13	PASS
	HCH	1	0	3.34	<13	PASS
		1	49	3.69	<13	PASS
		1	99	2.89	<13	PASS
		50	0	5.32	<13	PASS
		50	25	5.45	<13	PASS
		50	50	5.33	<13	PASS
		100	0	5.69	<13	PASS

Test Graphs

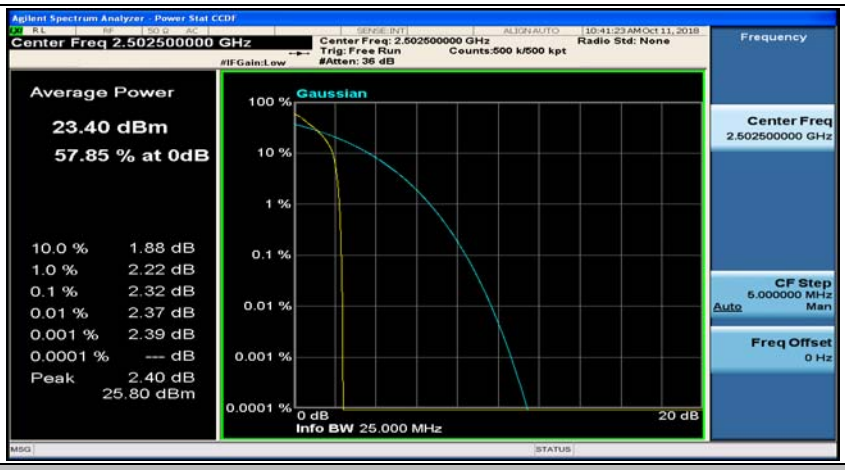
Channel Bandwidth: 5 MHz

(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#0

(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#12

(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#24

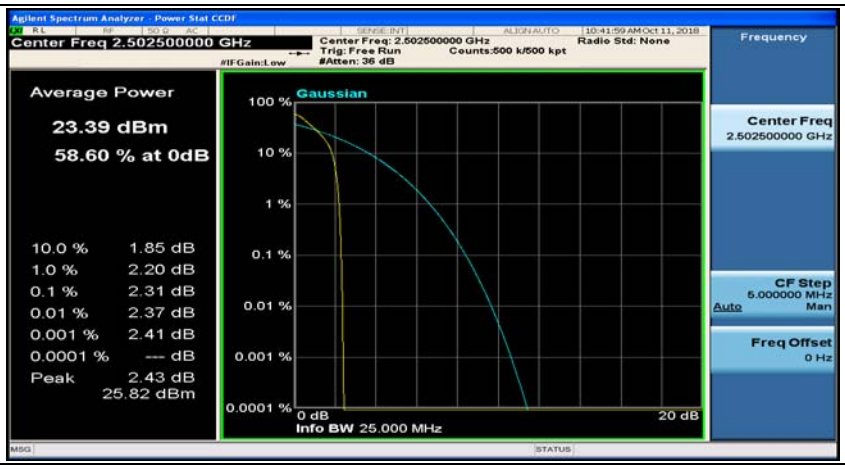
(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#0



(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#6

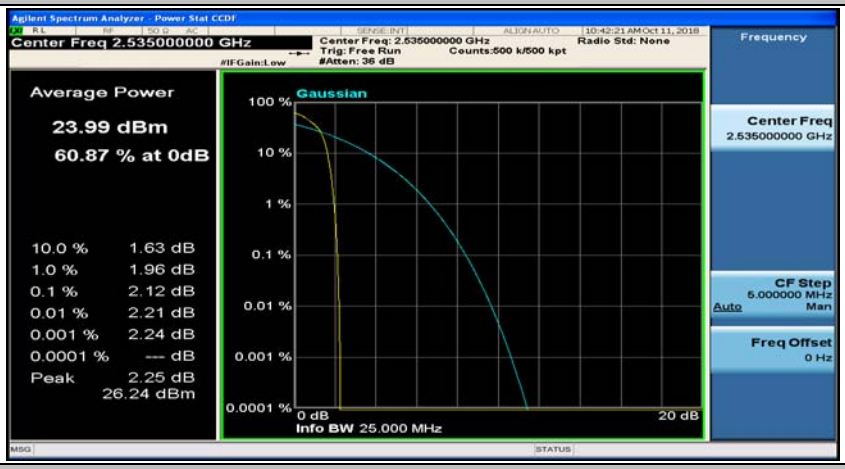
(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#13

(Channel Bandwidth: 5 MHz)_LCH_QPSK_25RB#0

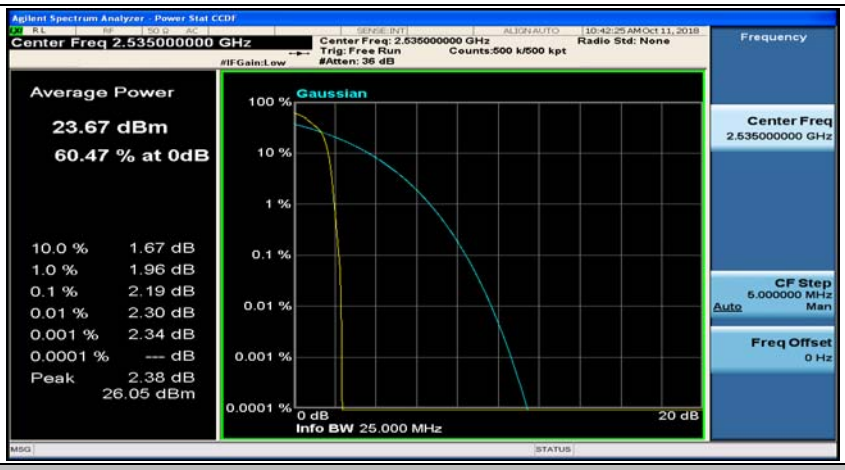


(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#0

(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#12



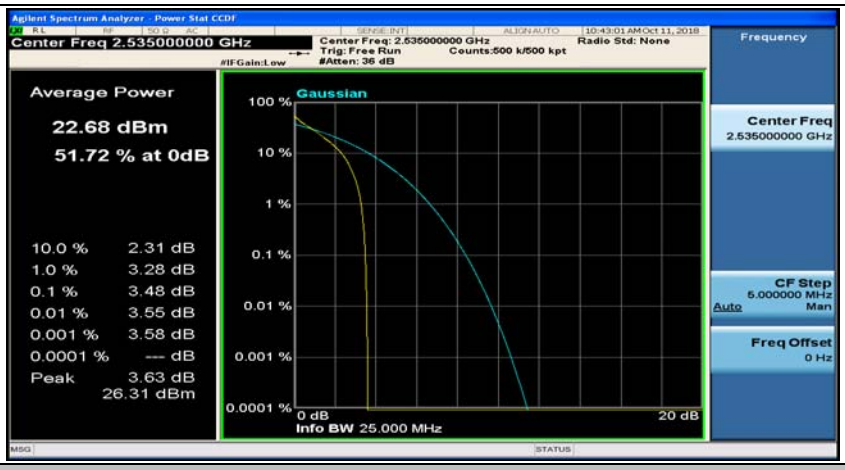
(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#24



(Channel Bandwidth: 5 MHz)_MCH_QPSK_12RB#0

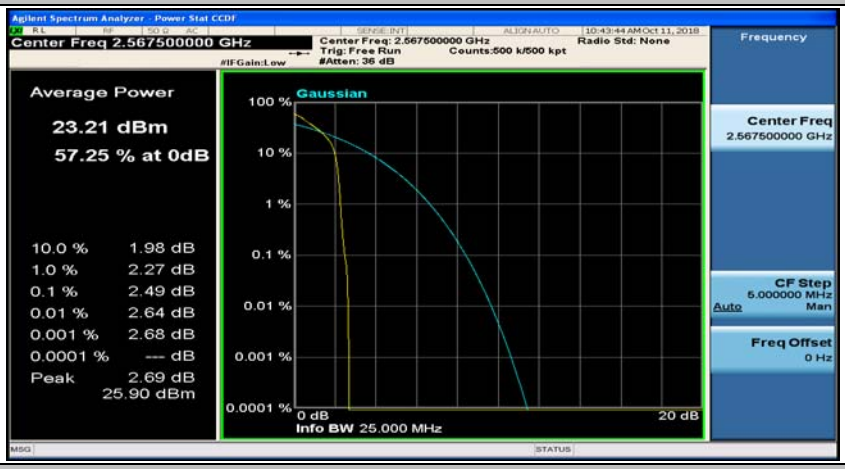
(Channel Bandwidth: 5 MHz)_MCH_QPSK_12RB#6

(Channel Bandwidth: 5 MHz)_MCH_QPSK_12RB#13

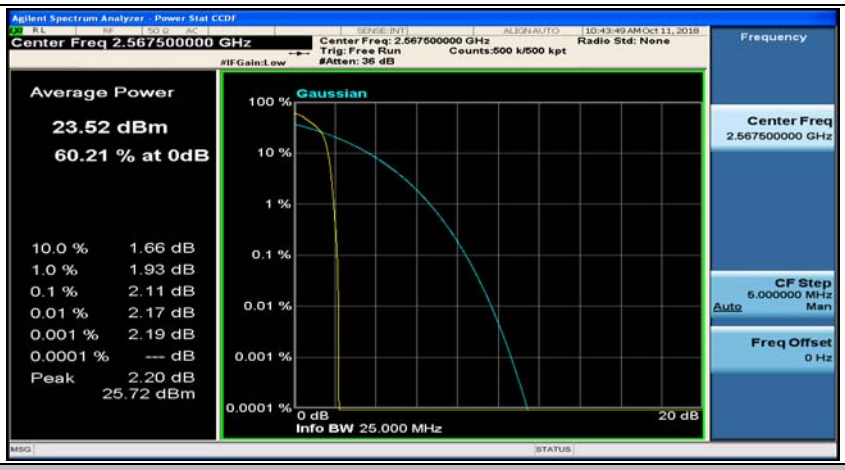


(Channel Bandwidth: 5 MHz)_MCH_QPSK_25RB#0

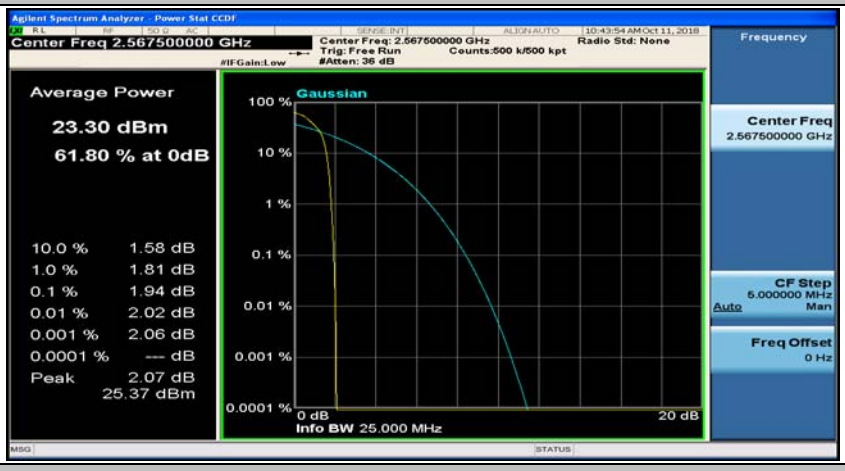
(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#0



(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#12

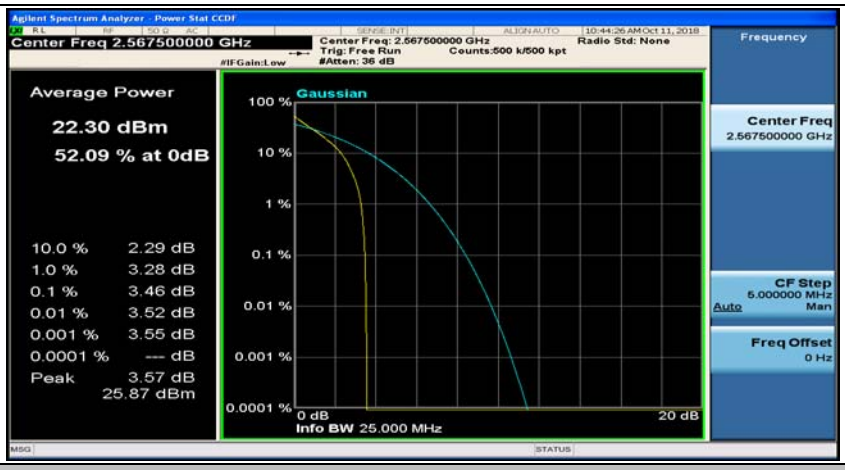


(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#24



(Channel Bandwidth: 5 MHz)_HCH_QPSK_12RB#0

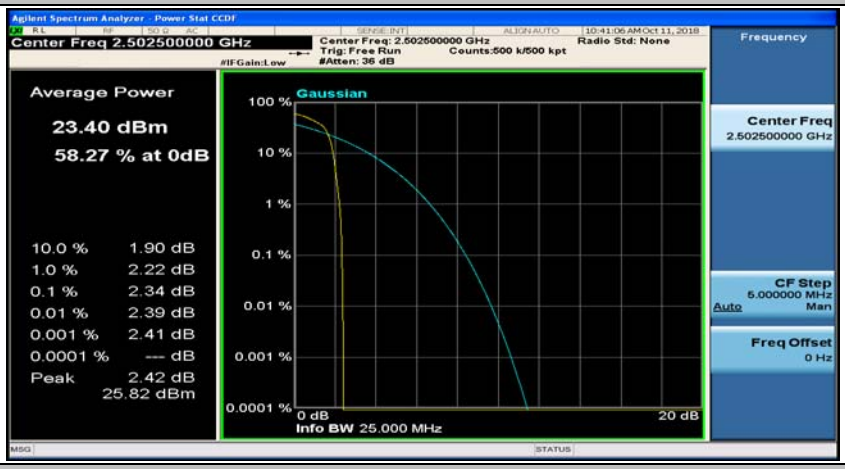
(Channel Bandwidth: 5 MHz)_HCH_QPSK_12RB#6



(Channel Bandwidth: 5 MHz)_HCH_QPSK_12RB#13

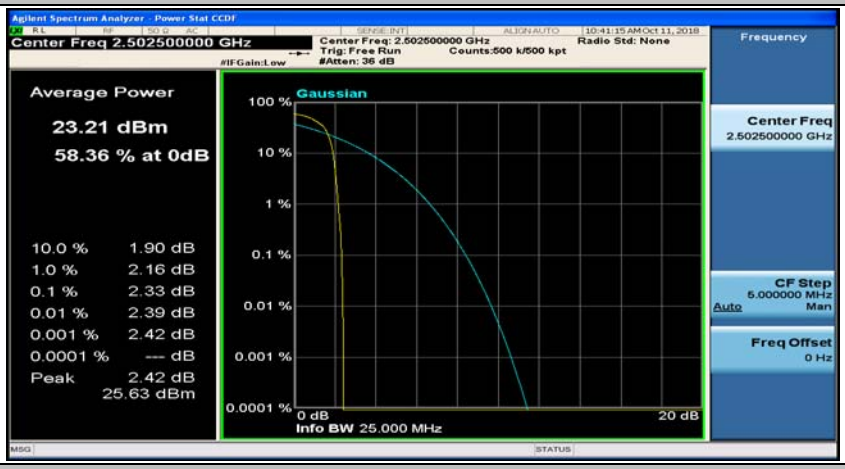
(Channel Bandwidth: 5 MHz)_HCH_QPSK_25RB#0

(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#0

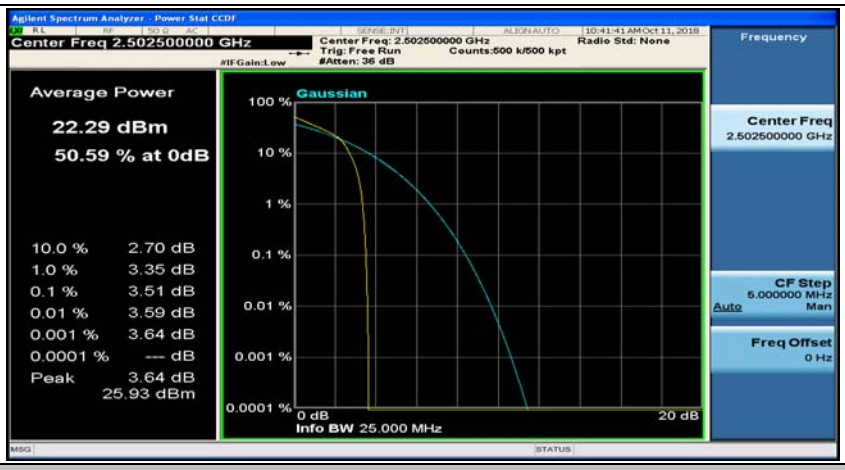


(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#12

(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#24



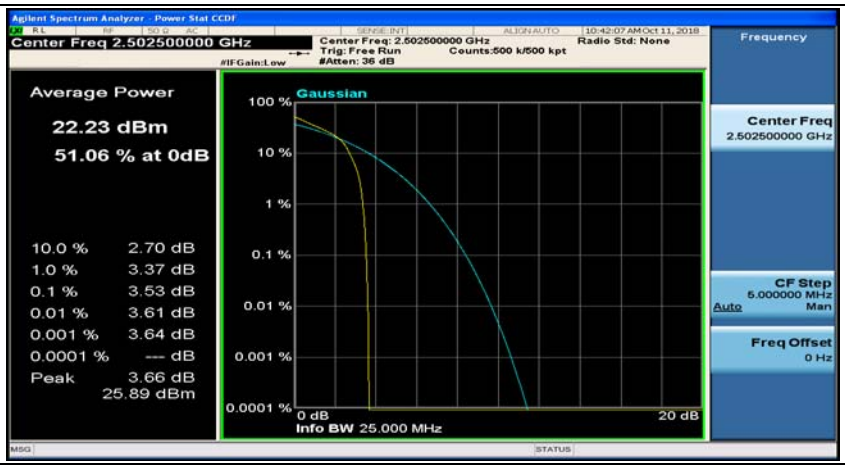
(Channel Bandwidth: 5 MHz)_LCH_16QAM_12RB#0



(Channel Bandwidth: 5 MHz)_LCH_16QAM_12RB#6

(Channel Bandwidth: 5 MHz)_LCH_16QAM_12RB#13

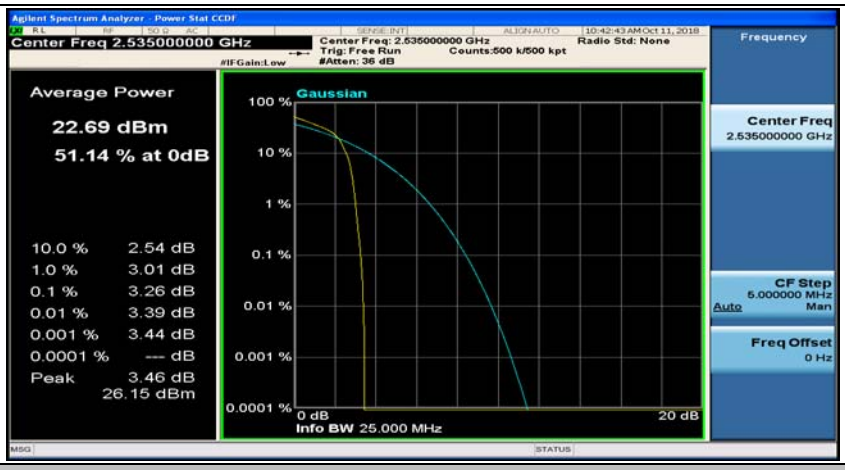
(Channel Bandwidth: 5 MHz)_LCH_16QAM_25RB#0



(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#0

(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#12

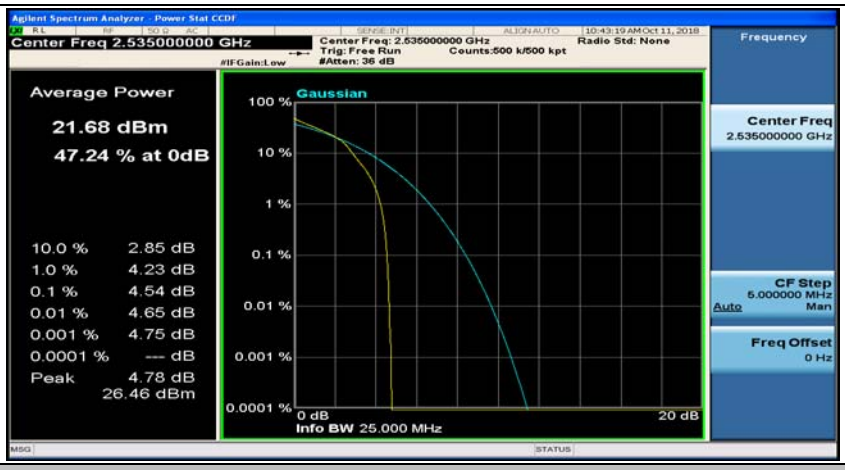
(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#24



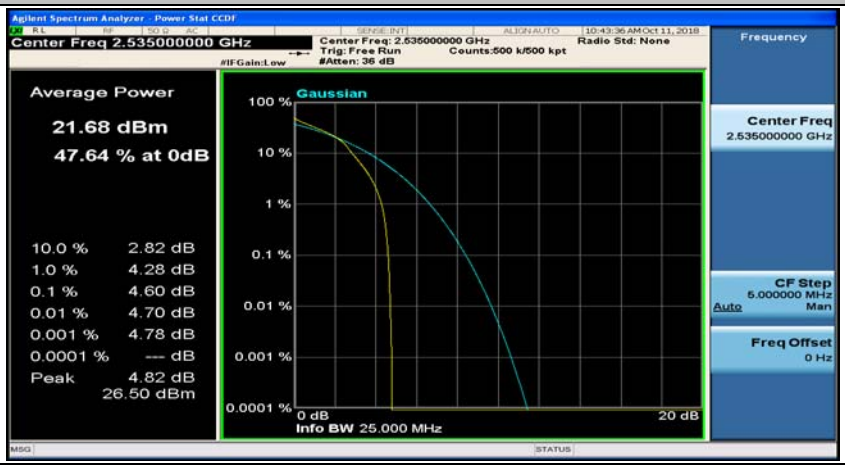
(Channel Bandwidth: 5 MHz)_MCH_16QAM_12RB#0

(Channel Bandwidth: 5 MHz)_MCH_16QAM_12RB#6

(Channel Bandwidth: 5 MHz)_MCH_16QAM_12RB#13

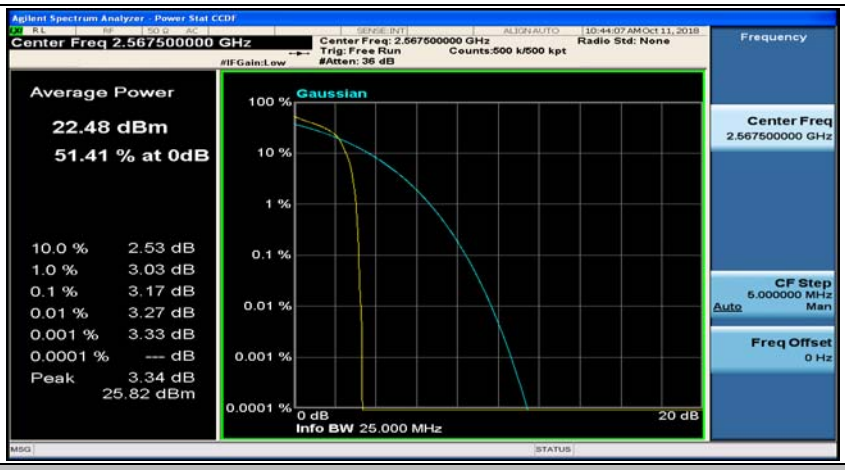


(Channel Bandwidth: 5 MHz)_MCH_16QAM_25RB#0



(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#0

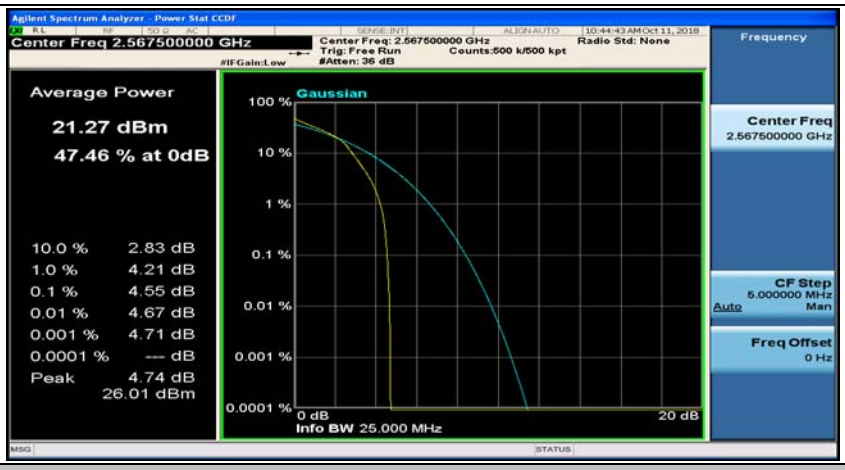
(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#12



(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

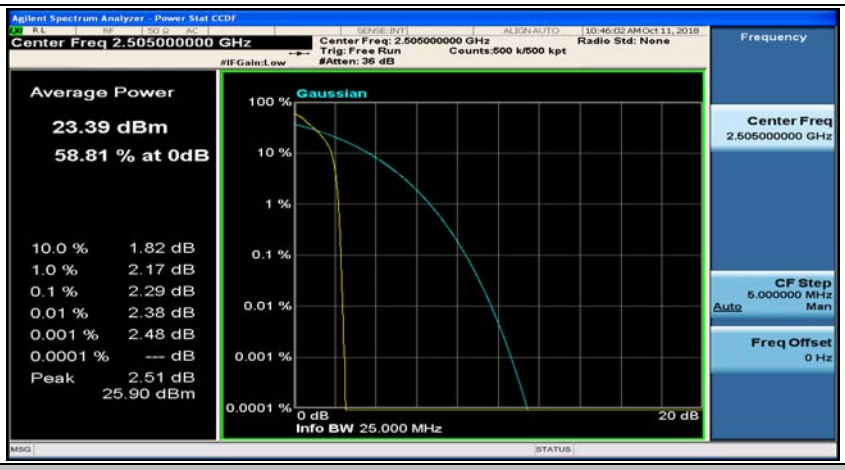
Channel Bandwidth: 10 MHz

Channel Bandwidth: 10 MHz_LCH_QPSK_1RB#0

Channel Bandwidth: 10 MHz_LCH_QPSK_1RB#24

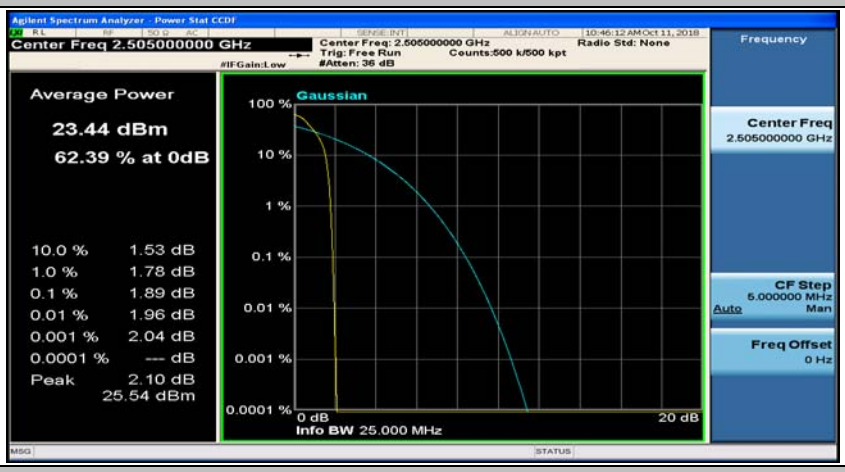
Channel Bandwidth: 10 MHz_LCH_QPSK_1RB#49

Channel Bandwidth: 10 MHz_LCH_QPSK_25RB#0

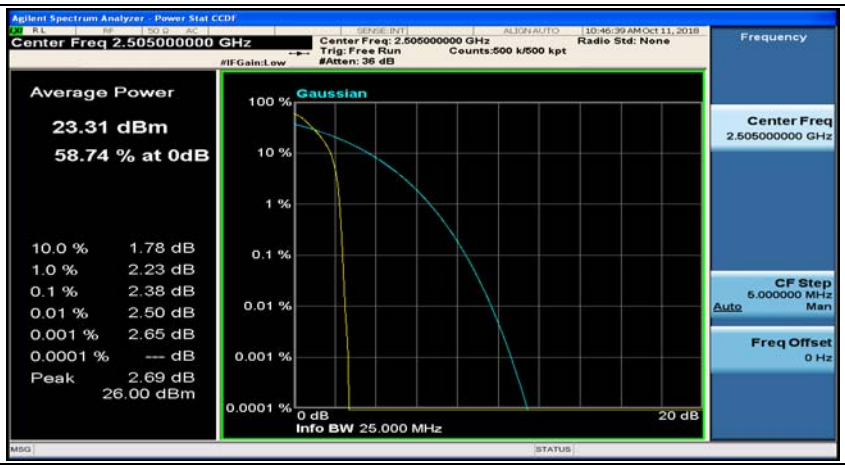


Channel Bandwidth: 10 MHz_LCH_QPSK_25RB#12

Channel Bandwidth: 10 MHz_LCH_QPSK_25RB#25

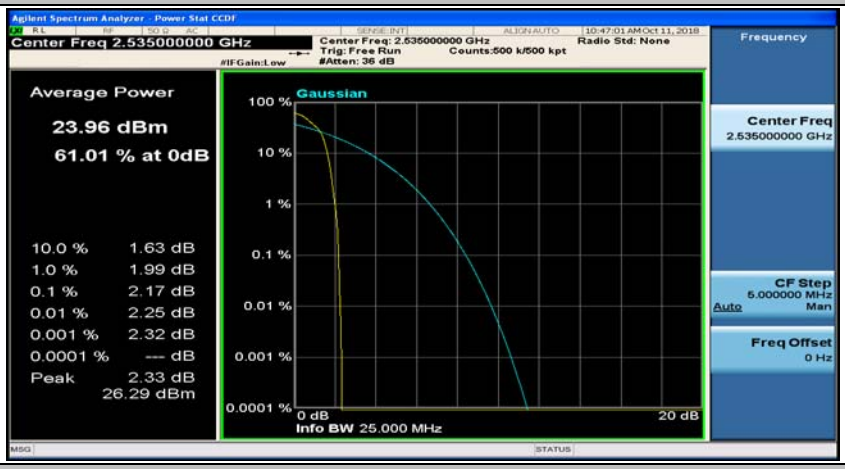


Channel Bandwidth: 10 MHz_LCH_QPSK_50RB#0

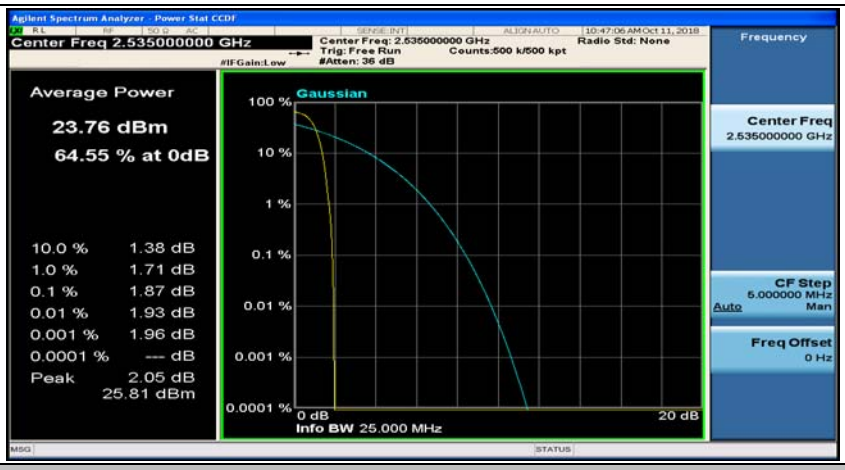


Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#0

Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#24



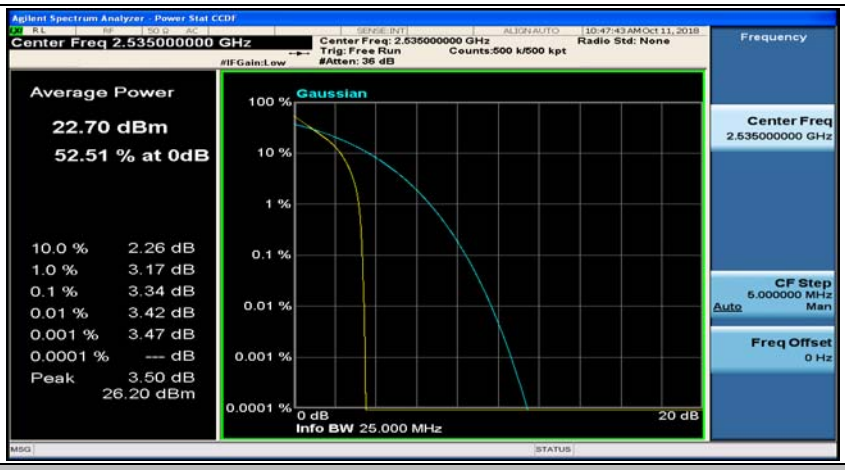
Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#49



Channel Bandwidth: 10 MHz_MCH_QPSK_25RB#0

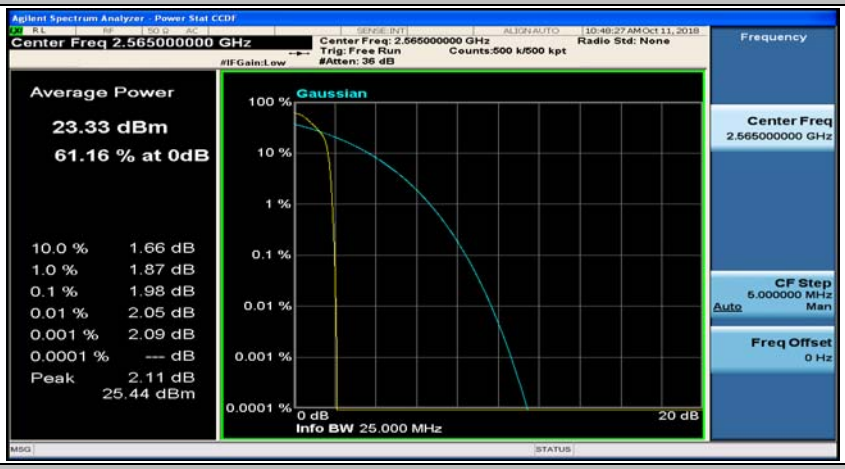
Channel Bandwidth: 10 MHz_MCH_QPSK_25RB#12

Channel Bandwidth: 10 MHz_MCH_QPSK_25RB#25

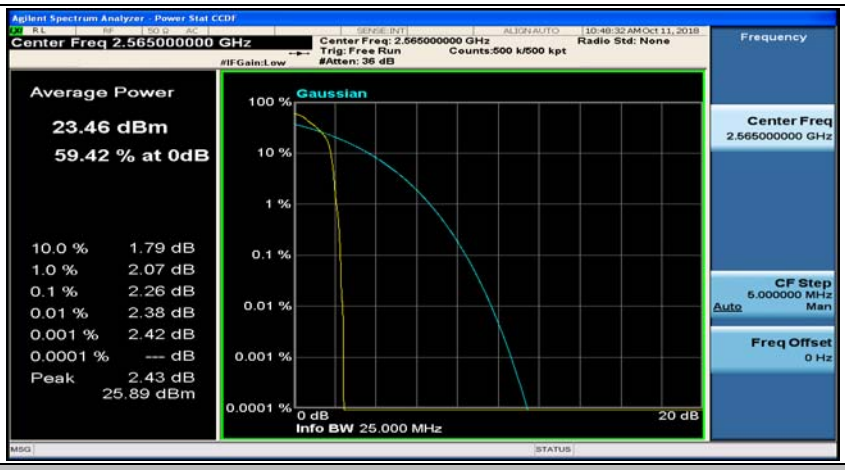


Channel Bandwidth: 10 MHz_MCH_QPSK_50RB#0

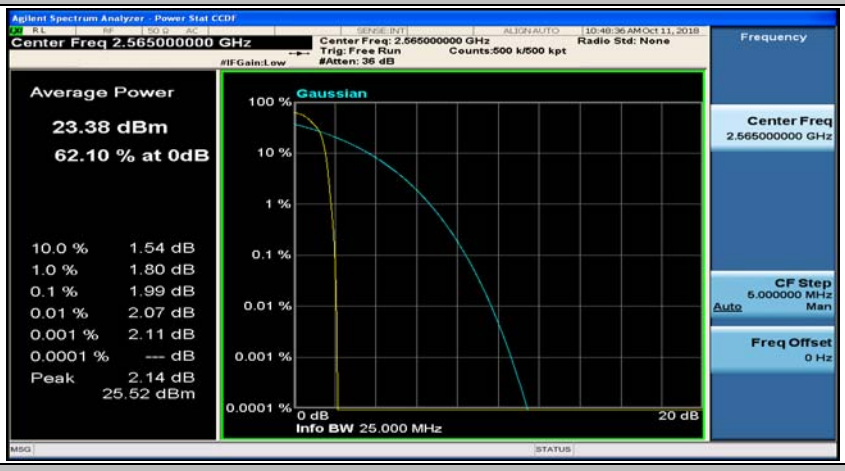
Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#0



Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#24

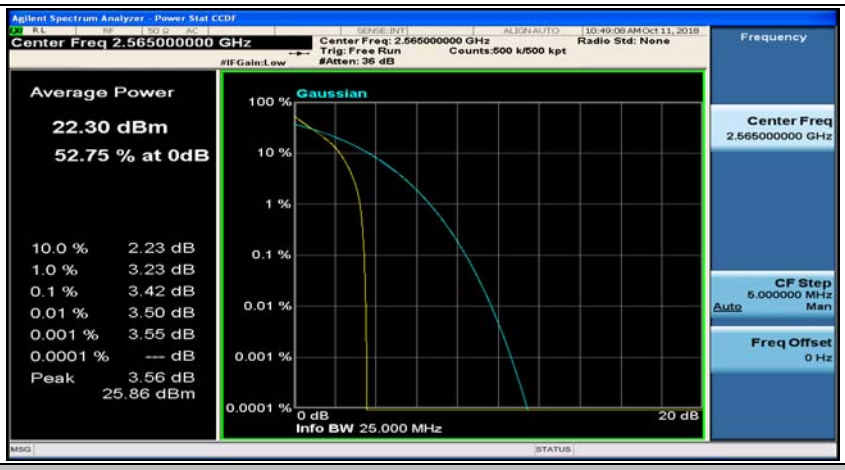


Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#49



Channel Bandwidth: 10 MHz_HCH_QPSK_25RB#0

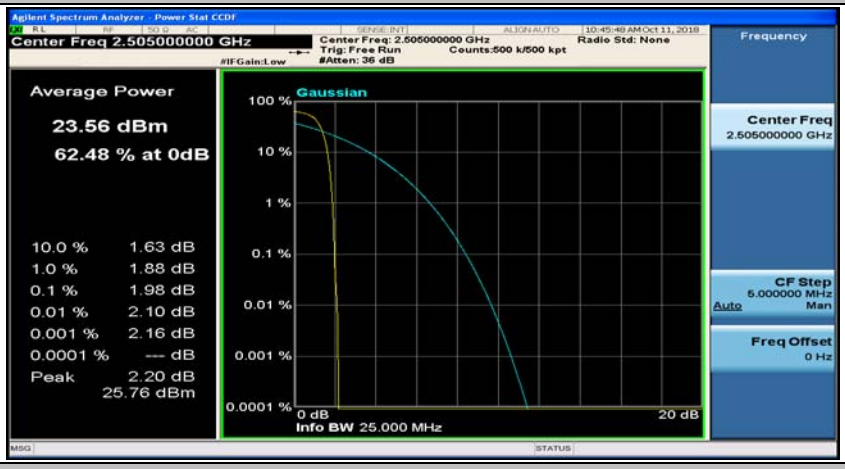
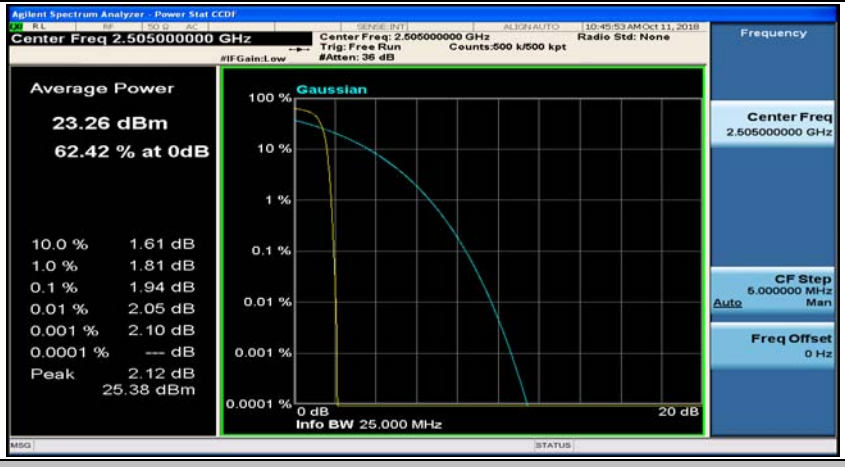
Channel Bandwidth: 10 MHz_HCH_QPSK_25RB#12

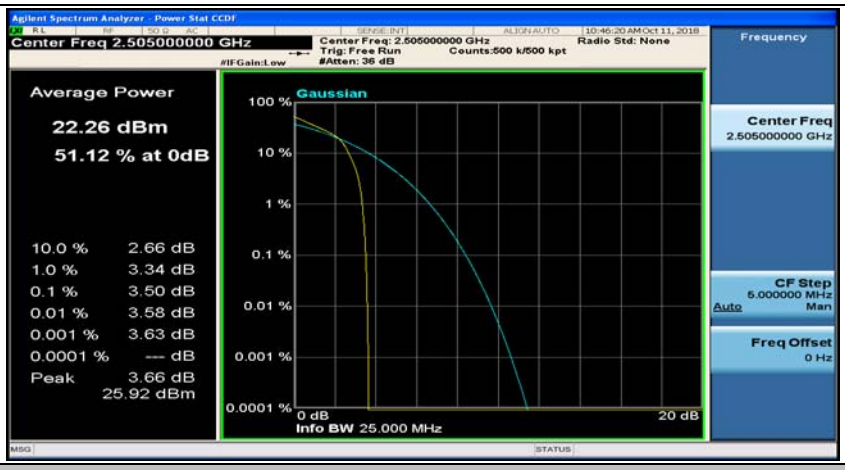


Channel Bandwidth: 10 MHz_HCH_QPSK_25RB#25

Channel Bandwidth: 10 MHz_HCH_QPSK_50RB#0

Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#0

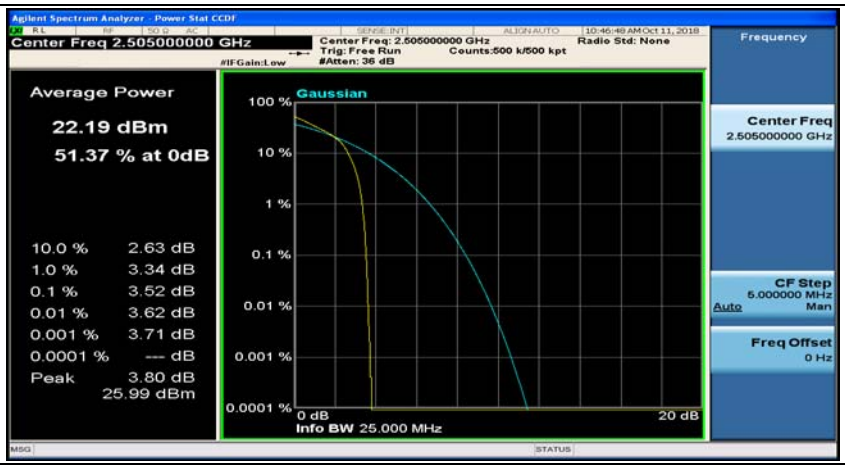
Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#24

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

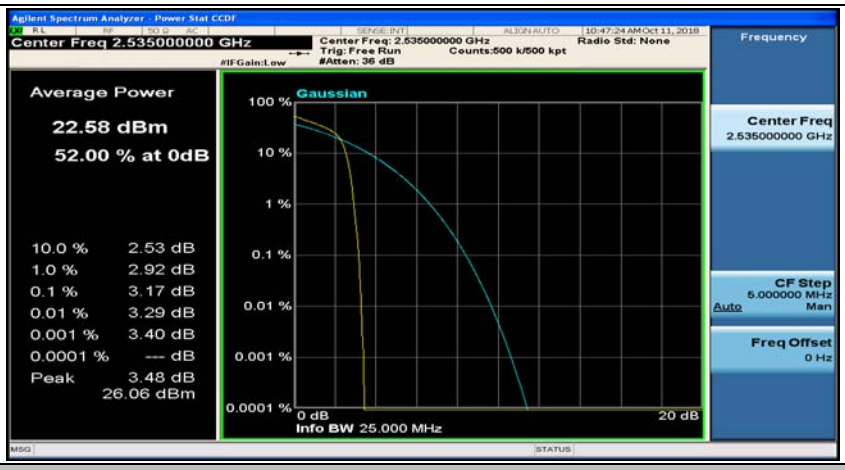
Channel Bandwidth: 10 MHz_LCH_16QAM_50RB#0



Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#0

Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#24

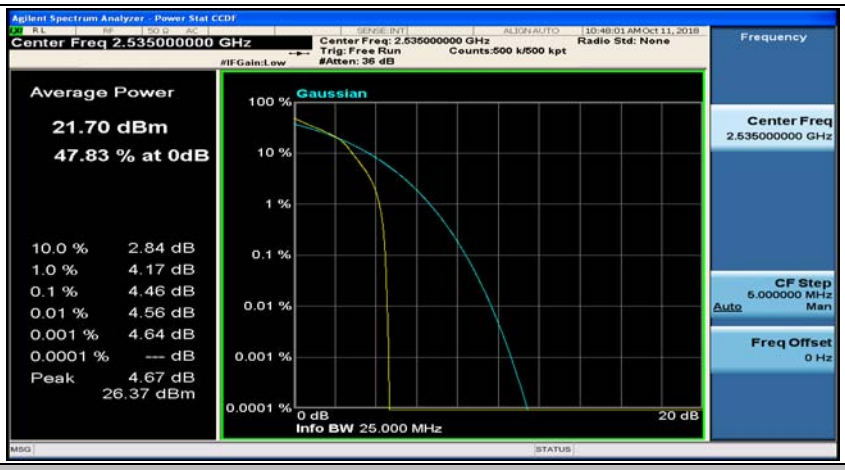
Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#49



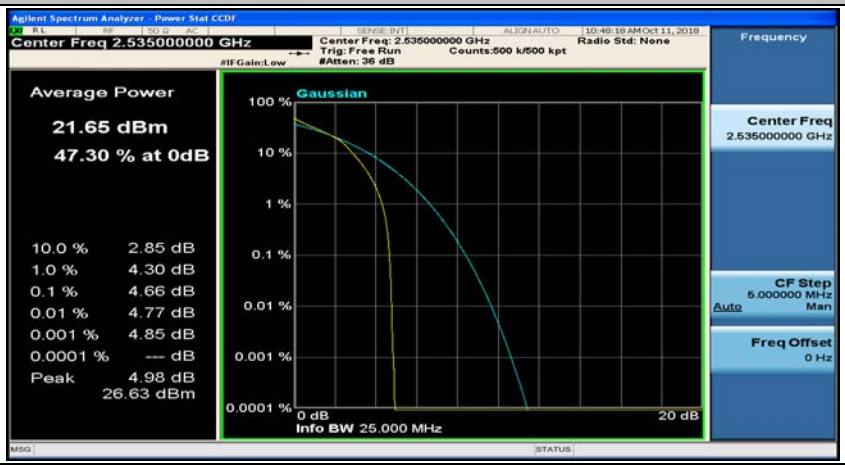
Channel Bandwidth: 10 MHz_MCH_16QAM_25RB#0

Channel Bandwidth: 10 MHz_MCH_16QAM_25RB#12

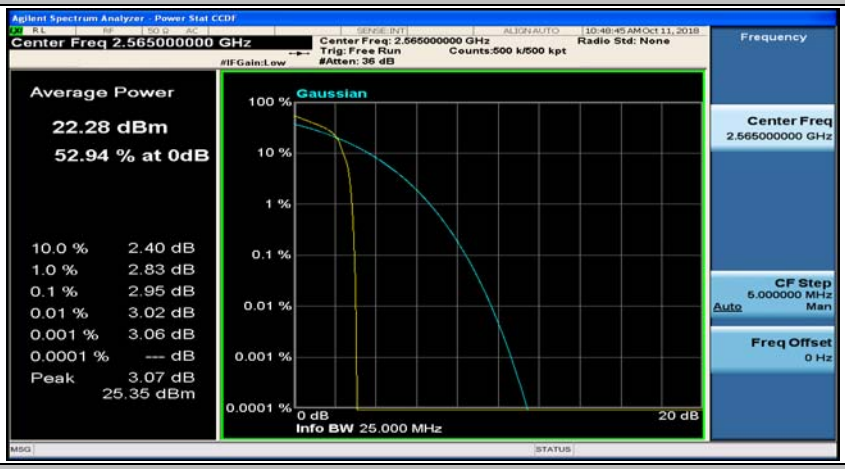
Channel Bandwidth: 10 MHz_MCH_16QAM_25RB#25



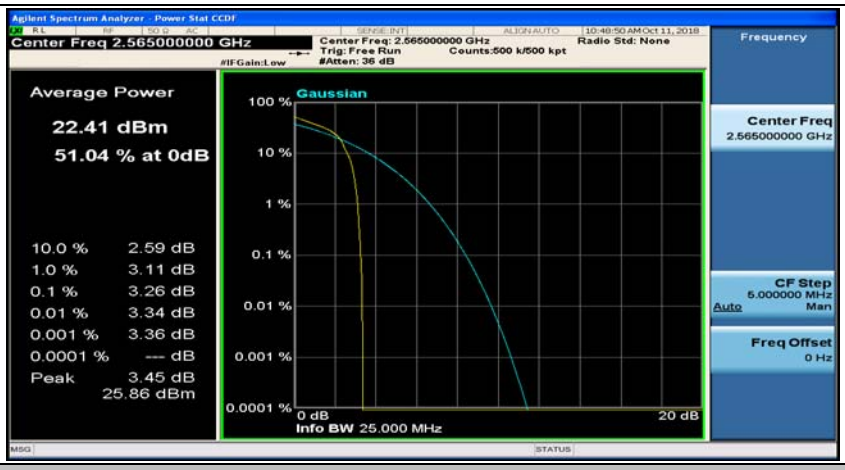
Channel Bandwidth: 10 MHz_MCH_16QAM_50RB#0



Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#0



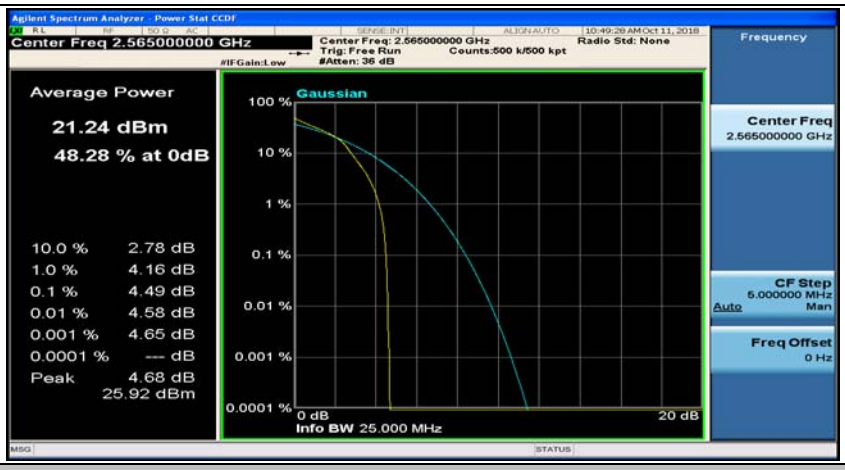
Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#24



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

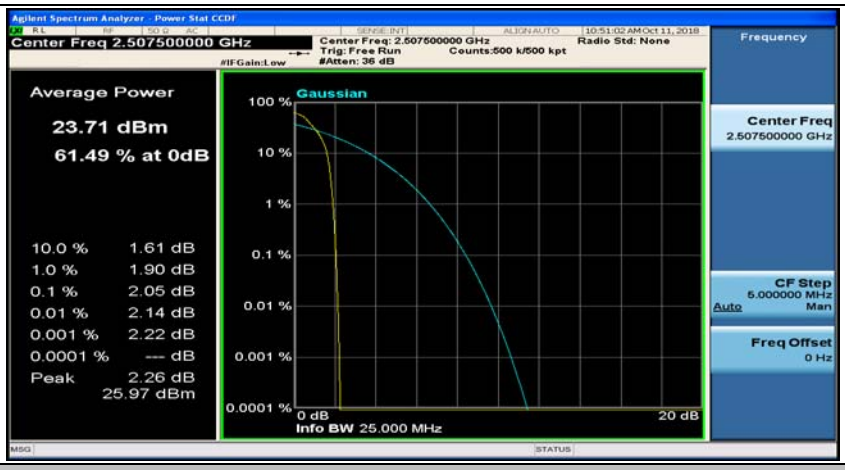
Channel Bandwidth: 15 MHz

(Channel Bandwidth:15 MHz)_LCH_QPSK_1RB#0

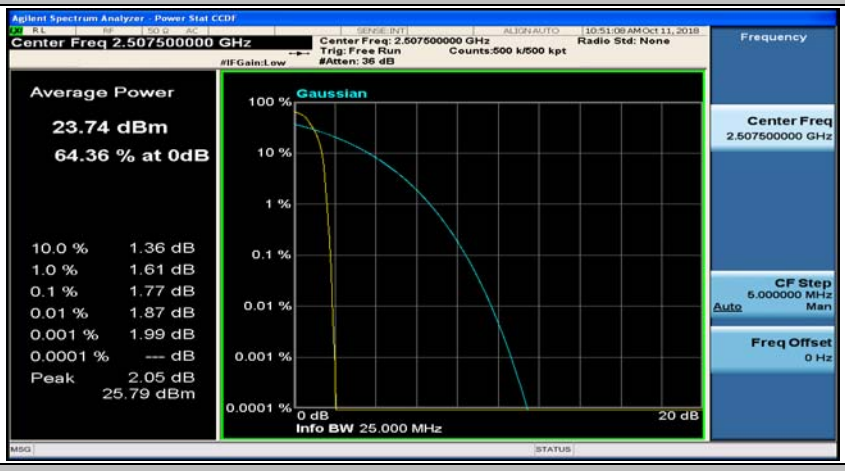
(Channel Bandwidth:15 MHz)_LCH_QPSK_1RB#37

(Channel Bandwidth:15 MHz)_LCH_QPSK_1RB#74

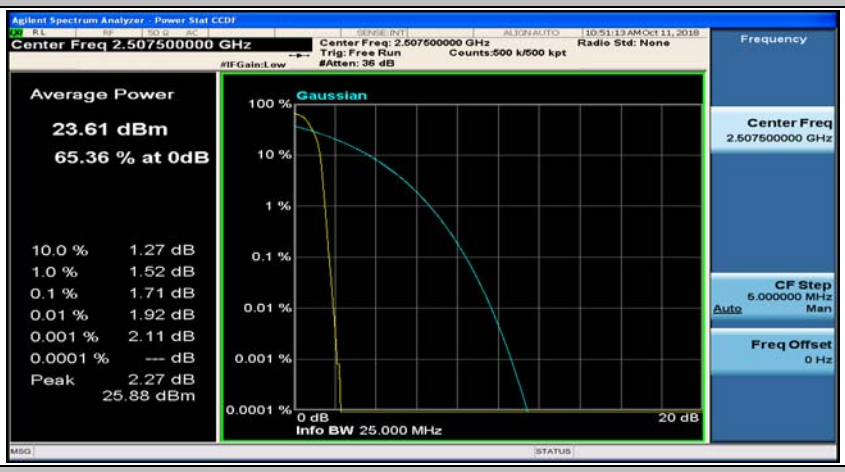
(Channel Bandwidth:15 MHz)_LCH_QPSK_37RB#0



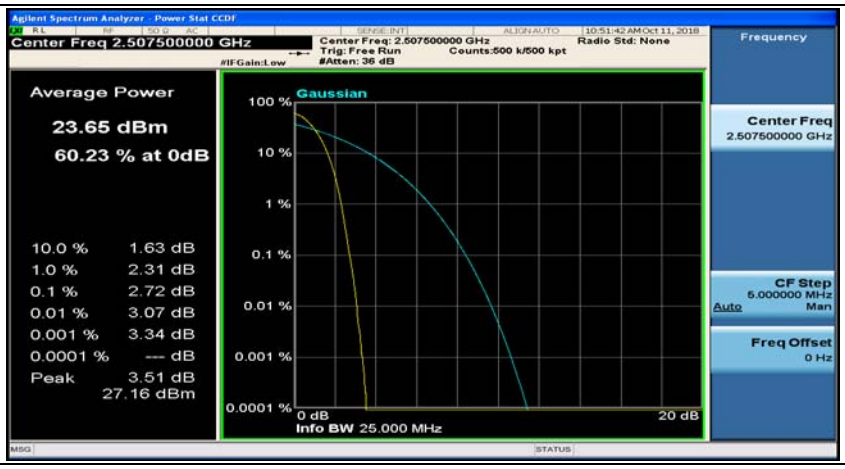
(Channel Bandwidth:15 MHz)_LCH_QPSK_37RB#18



(Channel Bandwidth:15 MHz)_LCH_QPSK_37RB#38

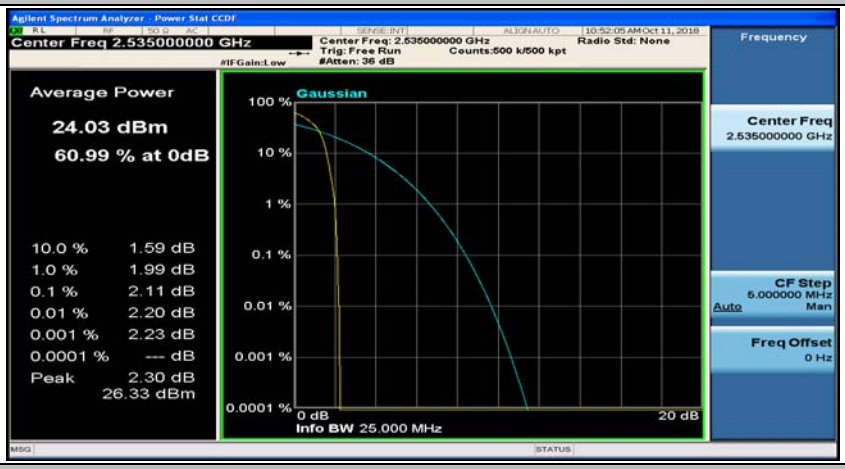


(Channel Bandwidth:15 MHz)_LCH_QPSK_75RB#0

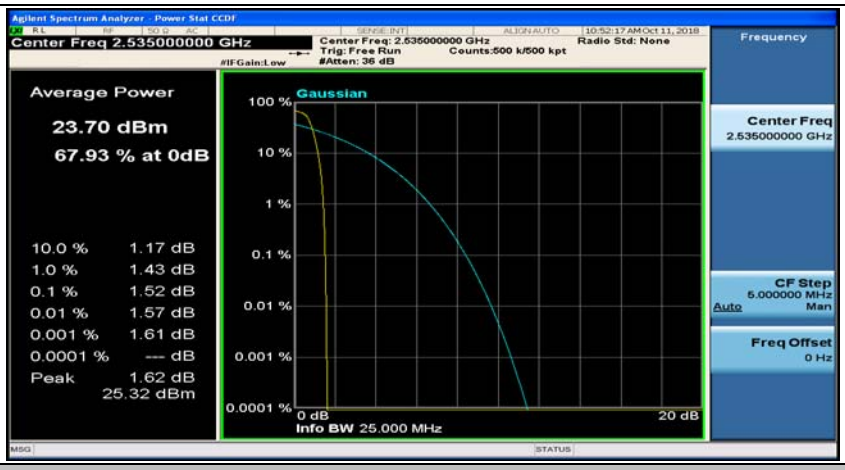


(Channel Bandwidth:15 MHz)_MCH_QPSK_1RB#0

(Channel Bandwidth:15 MHz)_MCH_QPSK_1RB#37



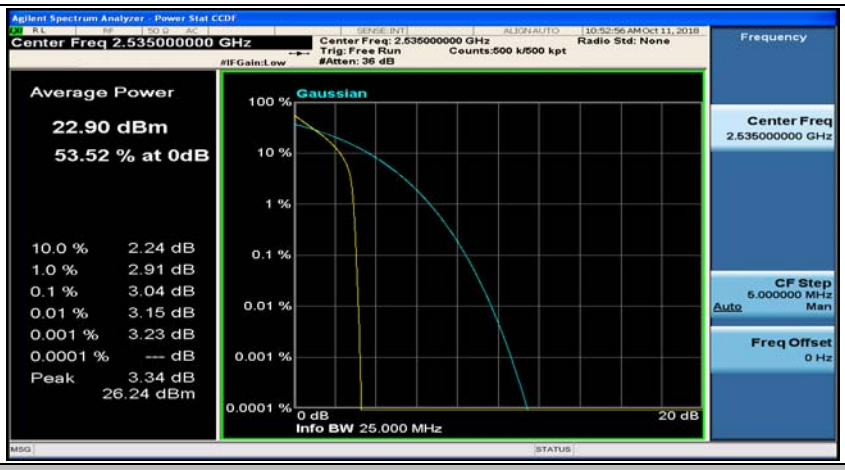
(Channel Bandwidth:15 MHz)_MCH_QPSK_1RB#74



(Channel Bandwidth:15 MHz)_MCH_QPSK_37RB#0

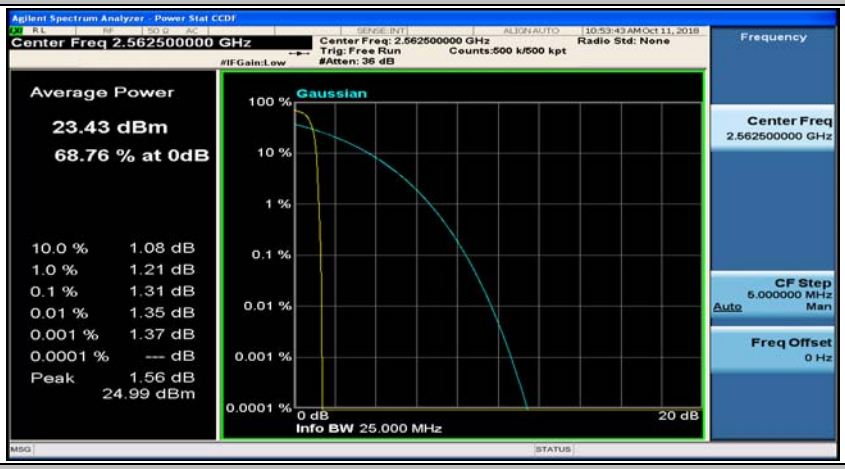
(Channel Bandwidth:15 MHz)_MCH_QPSK_37RB#18

(Channel Bandwidth:15 MHz)_MCH_QPSK_37RB#38

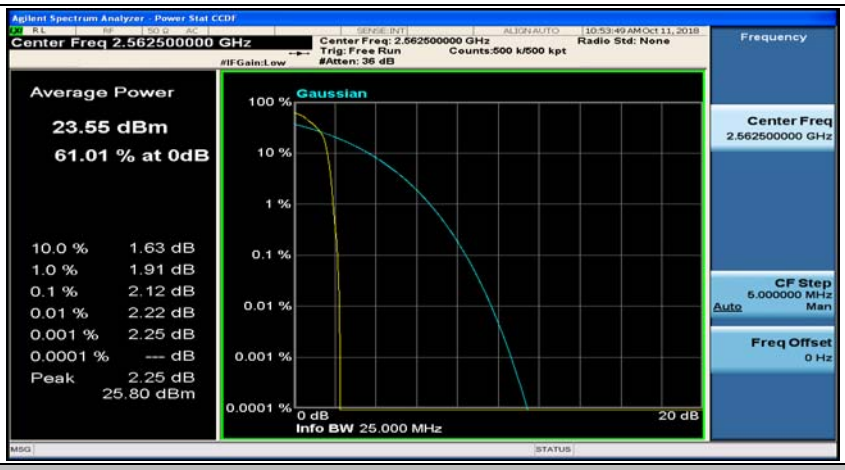


(Channel Bandwidth:15 MHz)_MCH_QPSK_75RB#0

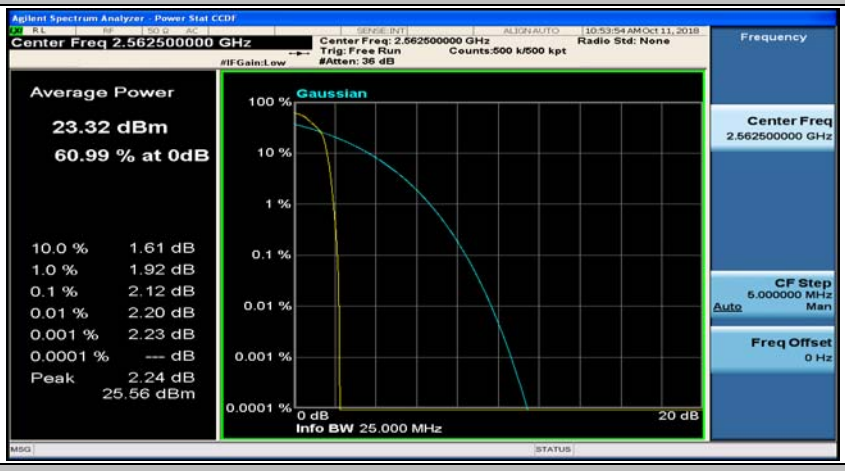
(Channel Bandwidth:15 MHz)_HCH_QPSK_1RB#0



(Channel Bandwidth:15 MHz)_HCH_QPSK_1RB#37

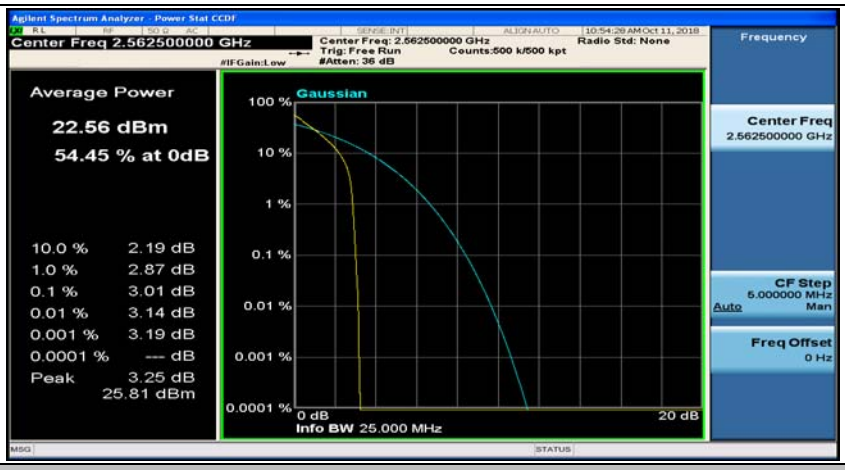


(Channel Bandwidth:15 MHz)_HCH_QPSK_1RB#74



(Channel Bandwidth:15 MHz)_HCH_QPSK_37RB#0

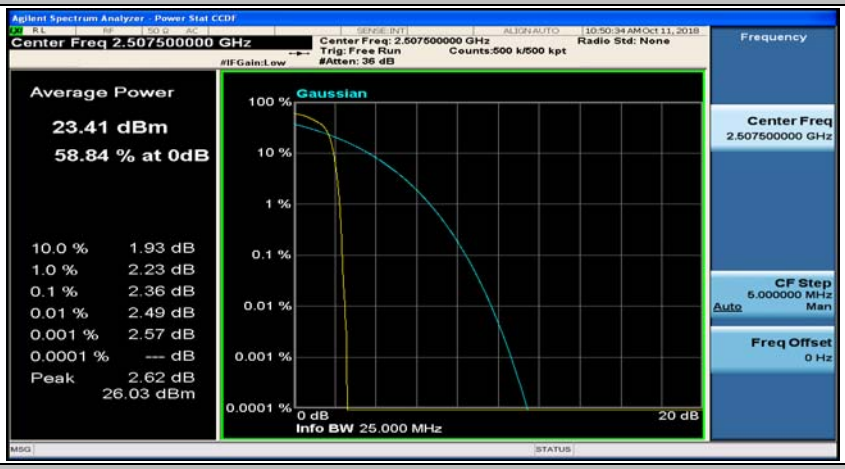
(Channel Bandwidth:15 MHz)_HCH_QPSK_37RB#18



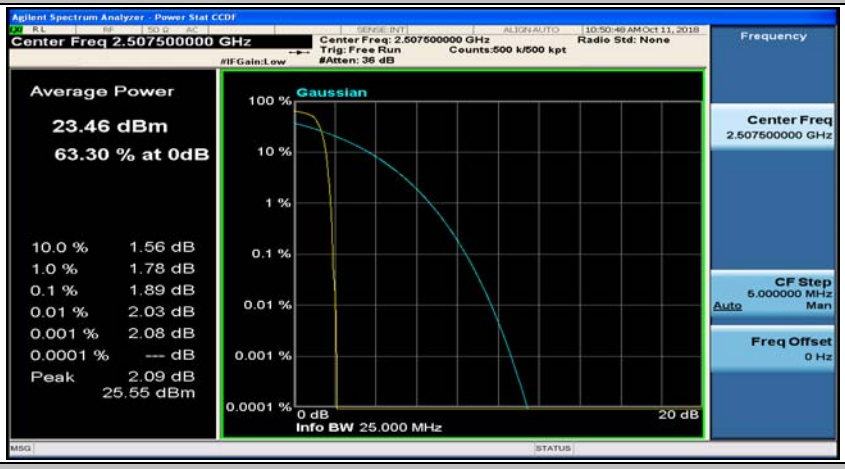
(Channel Bandwidth:15 MHz)_HCH_QPSK_37RB#38

(Channel Bandwidth:15 MHz)_HCH_QPSK_75RB#0

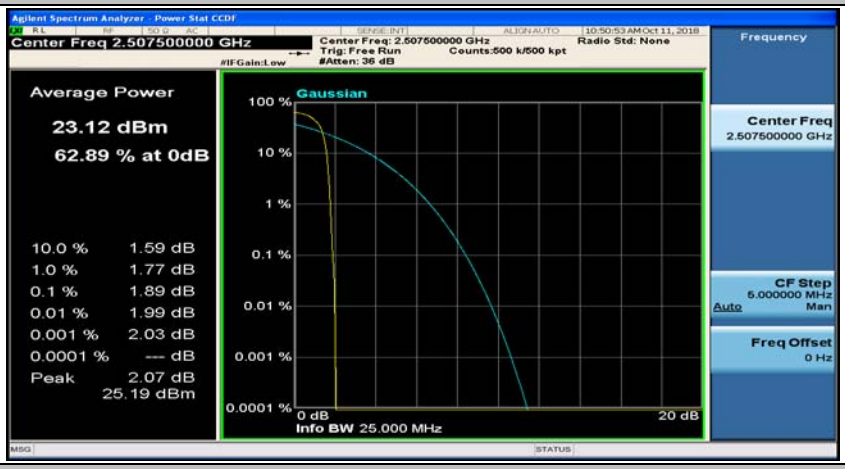
(Channel Bandwidth:15 MHz)_LCH_16QAM_1RB#0



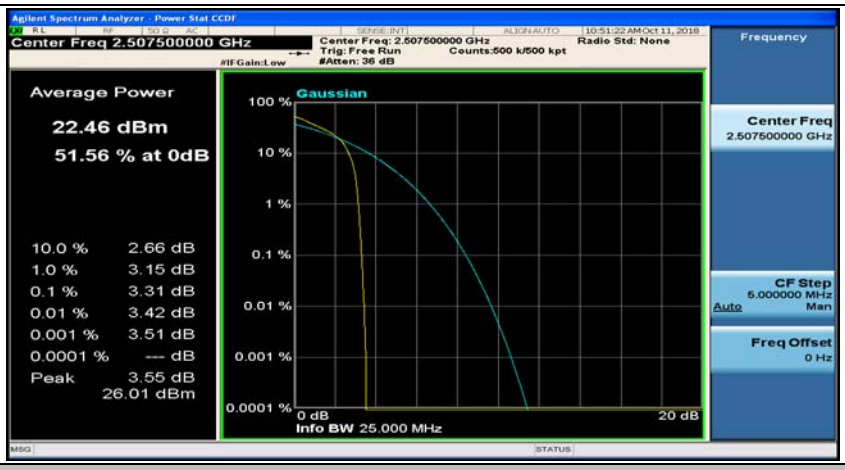
(Channel Bandwidth:15 MHz)_LCH_16QAM_1RB#37



(Channel Bandwidth:15 MHz)_LCH_16QAM_1RB#74



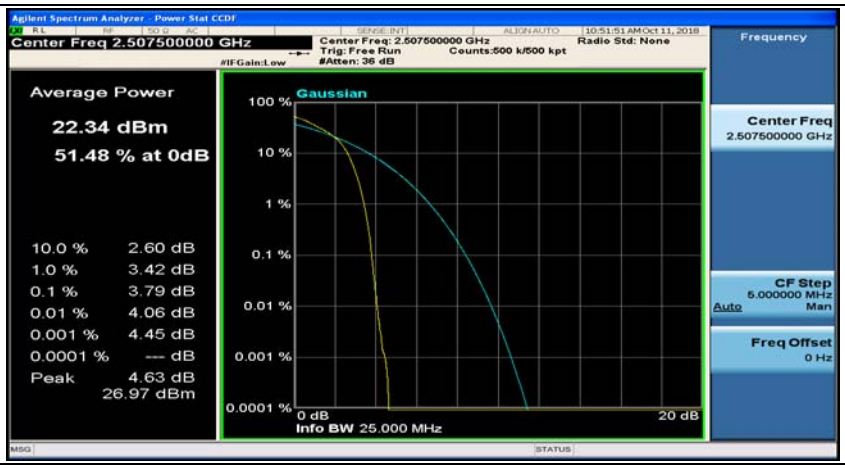
(Channel Bandwidth:15 MHz)_LCH_16QAM_37RB#0



(Channel Bandwidth:15 MHz)_LCH_16QAM_37RB#18

(Channel Bandwidth:15 MHz)_LCH_16QAM_37RB#38

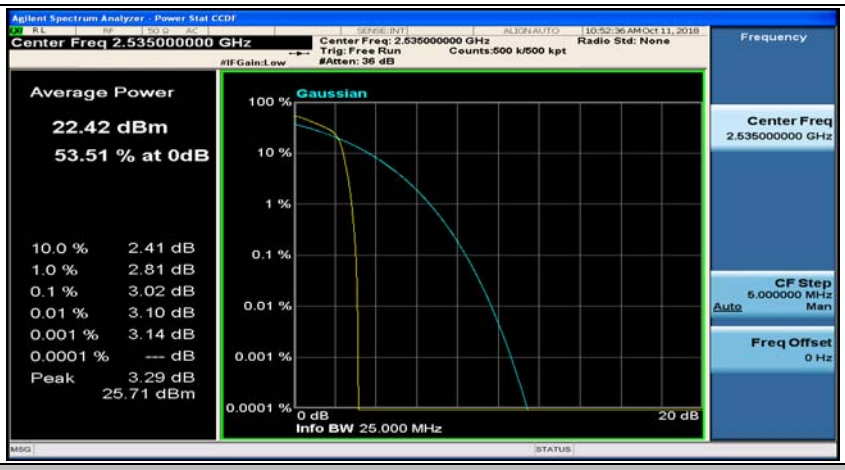
(Channel Bandwidth:15 MHz)_LCH_16QAM_75RB#0



(Channel Bandwidth:15 MHz)_MCH_16QAM_1RB#0

(Channel Bandwidth:15 MHz)_MCH_16QAM_1RB#37

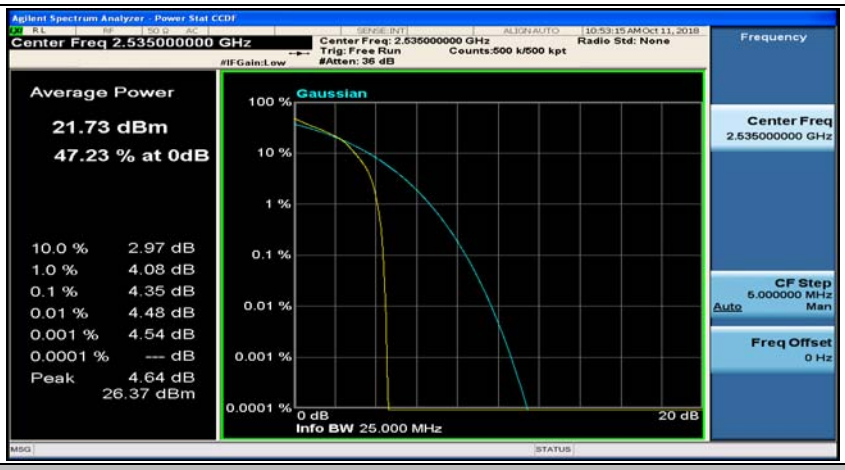
(Channel Bandwidth:15 MHz)_MCH_16QAM_1RB#74



(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