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	21.64	PASS
		1	12	21.35	PASS
		1	24	21.44	PASS
		12	0	20.58	PASS
		12	6	20.37	PASS
		12	13	20.39	PASS
		25	0	20.40	PASS
	MCH	1	0	21.14	PASS
		1	12	21.68	PASS
		1	24	21.89	PASS
		12	0	21.17	PASS
		12	6	21.10	PASS
		12	13	21.07	PASS
		25	0	21.10	PASS
	HCH	1	0	20.81	PASS
		1	12	20.82	PASS
		1	24	20.85	PASS
		12	0	20.86	PASS
		12	6	20.81	PASS
		12	13	20.82	PASS
		25	0	20.85	PASS
16QAM	LCH	1	0	20.93	PASS
		1	12	20.73	PASS
		1	24	21.23	PASS
		12	0	21.59	PASS
		12	6	21.36	PASS
		12	13	21.33	PASS
		25	0	21.44	PASS
	MCH	1	0	21.54	PASS
		1	12	21.18	PASS
		1	24	21.64	PASS
		12	0	21.37	PASS
		12	6	21.23	PASS

		12	13	21.23	PASS
		25	0	21.17	PASS
	HCH	1	0	21.09	PASS
		1	12	21.63	PASS
		1	24	21.64	PASS
		12	0	21.57	PASS
		12	6	21.45	PASS
		12	13	21.59	PASS
		25	0	21.56	PASS

Channel Bandwidth: 10 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	21.1	PASS
		1	24	21.29	PASS
		1	49	20.9	PASS
		25	0	20.58	PASS
		25	12	20.41	PASS
		25	25	20.51	PASS
		50	0	20.63	PASS
	MCH	1	0	21.03	PASS
		1	24	21.36	PASS
		1	49	21.17	PASS
		25	0	20.69	PASS
		25	12	20.70	PASS
		25	25	20.77	PASS
		50	0	20.50	PASS
	HCH	1	0	21.20	PASS
		1	24	21.44	PASS
		1	49	20.88	PASS
		25	0	20.69	PASS
		25	12	20.66	PASS
		25	25	20.63	PASS
		50	0	20.73	PASS
16QAM	LCH	1	0	20.75	PASS
		1	24	20.72	PASS
		1	49	20.41	PASS
		25	0	20.47	PASS
		25	12	20.43	PASS
		25	25	20.67	PASS
		50	0	20.47	PASS
	MCH	1	0	20.71	PASS

		1	24	20.83	PASS
		1	49	20.63	PASS
		25	0	20.76	PASS
		25	12	20.55	PASS
		25	25	20.98	PASS
		50	0	20.39	PASS
	HCH	1	0	20.53	PASS
		1	24	20.42	PASS
		1	49	20.85	PASS
		25	0	20.68	PASS
		25	12	20.70	PASS
		25	25	20.74	PASS
		50	0	20.71	PASS

Channel Bandwidth: 15 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	21.09	PASS
		1	37	20.95	PASS
		1	74	21.22	PASS
		37	0	20.64	PASS
		37	18	20.38	PASS
		37	38	20.88	PASS
		75	0	20.32	PASS
	MCH	1	0	20.78	PASS
		1	37	20.75	PASS
		1	74	21.20	PASS
		37	0	20.45	PASS
		37	18	20.47	PASS
		37	38	20.46	PASS
		75	0	20.54	PASS
	HCH	1	0	20.73	PASS
		1	37	21.10	PASS
		1	74	20.54	PASS
		37	0	20.80	PASS
		37	18	20.38	PASS
		37	38	20.57	PASS
		75	0	20.62	PASS
16QAM	LCH	1	0	20.90	PASS
		1	37	20.77	PASS
		1	74	20.35	PASS
		37	0	20.49	PASS

		37	18	20.79	PASS
		37	38	20.74	PASS
		75	0	20.47	PASS
	MCH	1	0	20.89	PASS
		1	37	20.62	PASS
		1	74	20.81	PASS
		37	0	20.47	PASS
		37	18	20.44	PASS
		37	38	20.51	PASS
		75	0	20.42	PASS
	HCH	1	0	20.76	PASS
		1	37	20.98	PASS
		1	74	20.88	PASS
		37	0	20.89	PASS
		37	18	20.32	PASS
		37	38	20.97	PASS
		75	0	20.97	PASS

Channel Bandwidth: 20 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	21.53	PASS
		1	49	21.05	PASS
		1	99	21.21	PASS
		50	0	21.60	PASS
		50	25	21.00	PASS
		50	50	21.41	PASS
		100	0	21.24	PASS
	MCH	1	0	21.64	PASS
		1	49	21.01	PASS
		1	99	21.07	PASS
		50	0	21.43	PASS
		50	25	21.30	PASS
		50	50	21.28	PASS
		100	0	21.53	PASS
	HCH	1	0	21.89	PASS
		1	49	20.99	PASS
		1	99	21.36	PASS
		50	0	20.67	PASS
		50	25	20.95	PASS
		50	50	20.97	PASS
		100	0	20.87	PASS

16QAM	LCH	1	0	20.83	PASS
		1	49	20.35	PASS
		1	99	20.51	PASS
		50	0	20.53	PASS
		50	25	20.73	PASS
		50	50	20.61	PASS
		100	0	20.42	PASS
	MCH	1	0	21.83	PASS
		1	49	21.30	PASS
		1	99	20.52	PASS
		50	0	20.42	PASS
		50	25	20.53	PASS
		50	50	20.50	PASS
		100	0	20.44	PASS
	HCH	1	0	20.40	PASS
		1	49	21.90	PASS
		1	99	21.81	PASS
		50	0	20.70	PASS
		50	25	20.86	PASS
		50	50	20.56	PASS
		100	0	20.63	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	3.05	<13	PASS
		1	12	3.39	<13	PASS
		1	24	3.07	<13	PASS
		12	0	4.09	<13	PASS
		12	6	4.06	<13	PASS
		12	13	4.02	<13	PASS
		25	0	4.25	<13	PASS
	MCH	1	0	3.06	<13	PASS
		1	12	2.96	<13	PASS
		1	24	3	<13	PASS
		12	0	4.05	<13	PASS
		12	6	3.96	<13	PASS
		12	13	3.99	<13	PASS
		25	0	4.17	<13	PASS
	HCH	1	0	2.84	<13	PASS
		1	12	2.84	<13	PASS
		1	24	2.87	<13	PASS
		12	0	3.95	<13	PASS
		12	6	3.86	<13	PASS
		12	13	3.86	<13	PASS
		25	0	4.06	<13	PASS
16QAM	LCH	1	0	3.9	<13	PASS
		1	12	3.74	<13	PASS
		1	24	3.83	<13	PASS
		12	0	4.99	<13	PASS
		12	6	4.95	<13	PASS
		12	13	5.02	<13	PASS
		25	0	5.11	<13	PASS
	MCH	1	0	3.8	<13	PASS
		1	12	3.91	<13	PASS
		1	24	3.73	<13	PASS
		12	0	4.94	<13	PASS

		12	6	4.9	<13	PASS
		12	13	4.89	<13	PASS
		25	0	5.12	<13	PASS
	HCH	1	0	3.54	<13	PASS
		1	12	3.57	<13	PASS
		1	24	3.66	<13	PASS
		12	0	4.84	<13	PASS
		12	6	4.74	<13	PASS
		12	13	4.8	<13	PASS
		25	0	4.93	<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	2.76	<13	PASS
		1	24	2.95	<13	PASS
		1	49	3.31	<13	PASS
		25	0	3.96	<13	PASS
		25	12	4.04	<13	PASS
		25	25	3.99	<13	PASS
		50	0	4.25	<13	PASS
	MCH	1	0	3	<13	PASS
		1	24	2.9	<13	PASS
		1	49	2.85	<13	PASS
		25	0	4.08	<13	PASS
		25	12	4.01	<13	PASS
		25	25	3.98	<13	PASS
		50	0	4.22	<13	PASS
	HCH	1	0	2.93	<13	PASS
		1	24	2.96	<13	PASS
		1	49	2.85	<13	PASS
		25	0	4.13	<13	PASS
		25	12	3.91	<13	PASS
		25	25	3.77	<13	PASS
		50	0	4.09	<13	PASS
16QAM	LCH	1	0	3.58	<13	PASS
		1	24	3.72	<13	PASS
		1	49	3.95	<13	PASS
		25	0	4.79	<13	PASS
		25	12	4.93	<13	PASS

		25	25	4.94	<13	PASS
		50	0	5.07	<13	PASS
	MCH	1	0	3.81	<13	PASS
		1	24	3.76	<13	PASS
		1	49	3.76	<13	PASS
		25	0	5	<13	PASS
		25	12	4.88	<13	PASS
		25	25	4.91	<13	PASS
		50	0	5.12	<13	PASS
	HCH	1	0	3.68	<13	PASS
		1	24	3.54	<13	PASS
		1	49	3.57	<13	PASS
		25	0	5.07	<13	PASS
		25	12	4.89	<13	PASS
		25	25	4.81	<13	PASS
		50	0	5.13	<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	2.71	<13	PASS
		1	37	3.05	<13	PASS
		1	74	3.36	<13	PASS
		37	0	3.74	<13	PASS
		37	18	3.72	<13	PASS
		37	38	4.07	<13	PASS
		75	0	4.43	<13	PASS
	MCH	1	0	3.01	<13	PASS
		1	37	2.98	<13	PASS
		1	74	3.05	<13	PASS
		37	0	4.01	<13	PASS
		37	18	3.74	<13	PASS
		37	38	3.8	<13	PASS
		75	0	4.45	<13	PASS
	HCH	1	0	3.14	<13	PASS
		1	37	2.76	<13	PASS
		1	74	2.78	<13	PASS
		37	0	3.86	<13	PASS
		37	18	3.76	<13	PASS
		37	38	3.63	<13	PASS

		75	0	4.28	<13	PASS
16QAM	LCH	1	0	3.45	<13	PASS
		1	37	3.78	<13	PASS
		1	74	4.15	<13	PASS
		37	0	4.67	<13	PASS
		37	18	4.69	<13	PASS
		37	38	4.93	<13	PASS
		75	0	5.31	<13	PASS
	MCH	1	0	3.87	<13	PASS
		1	37	3.29	<13	PASS
		1	74	3.79	<13	PASS
		37	0	4.95	<13	PASS
		37	18	4.67	<13	PASS
		37	38	4.77	<13	PASS
		75	0	5.28	<13	PASS
	HCH	1	0	3.92	<13	PASS
		1	37	3.75	<13	PASS
		1	74	3.49	<13	PASS
		37	0	4.86	<13	PASS
		37	18	4.76	<13	PASS
		37	38	4.61	<13	PASS
		75	0	5.2	<13	PASS

Channel Bandwidth: 20 MHz

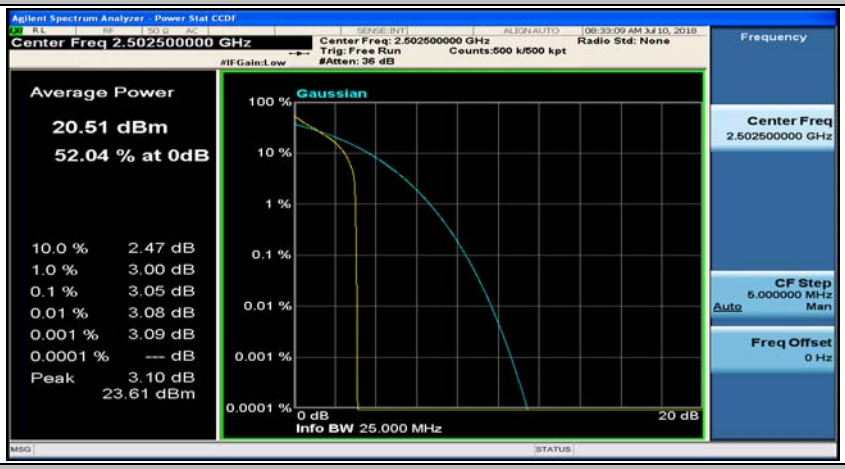
Channel Bandwidth: 20 MHz						
Modulation	Channel	RB Configuration		Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
		Size	Offset			
QPSK	LCH	1	0	2.67	<13	PASS
		1	49	3.21	<13	PASS
		1	99	3.38	<13	PASS
		50	0	3.89	<13	PASS
		50	25	4.01	<13	PASS
		50	50	4.31	<13	PASS
		100	0	4.7	<13	PASS
	MCH	1	0	3.12	<13	PASS
		1	49	2.9	<13	PASS
		1	99	3.29	<13	PASS
		50	0	4.15	<13	PASS
		50	25	3.84	<13	PASS
		50	50	3.94	<13	PASS
		100	0	4.57	<13	PASS

	HCH	1	0	3.34	<13	PASS
		1	49	2.82	<13	PASS
		1	99	2.82	<13	PASS
		50	0	4.06	<13	PASS
		50	25	3.89	<13	PASS
		50	50	3.89	<13	PASS
		100	0	4.45	<13	PASS
16QAM	LCH	1	0	3.39	<13	PASS
		1	49	3.91	<13	PASS
		1	99	3.99	<13	PASS
		50	0	4.87	<13	PASS
		50	25	4.84	<13	PASS
		50	50	5.17	<13	PASS
		100	0	5.45	<13	PASS
	MCH	1	0	3.89	<13	PASS
		1	49	3.51	<13	PASS
		1	99	3.9	<13	PASS
		50	0	5.08	<13	PASS
		50	25	4.76	<13	PASS
		50	50	4.79	<13	PASS
		100	0	5.36	<13	PASS
	HCH	1	0	4.06	<13	PASS
		1	49	3.65	<13	PASS
		1	99	3.53	<13	PASS
		50	0	5.01	<13	PASS
		50	25	5.05	<13	PASS
		50	50	4.89	<13	PASS
		100	0	5.38	<13	PASS

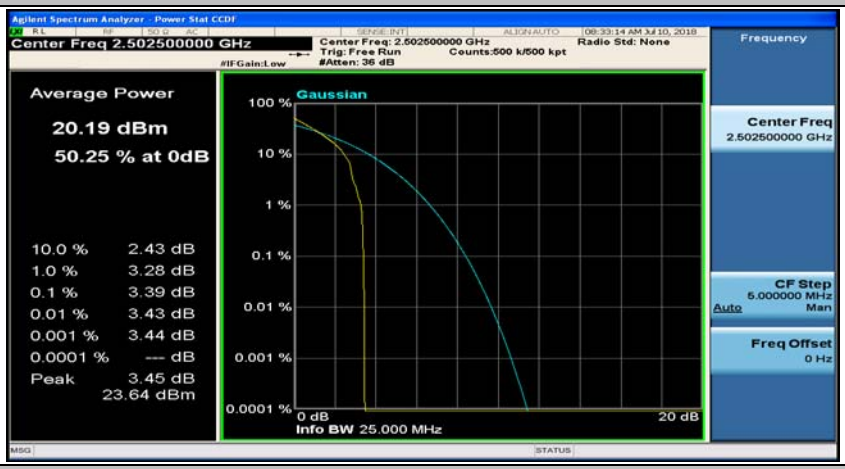
Test Graphs

Channel Bandwidth: 5 MHz

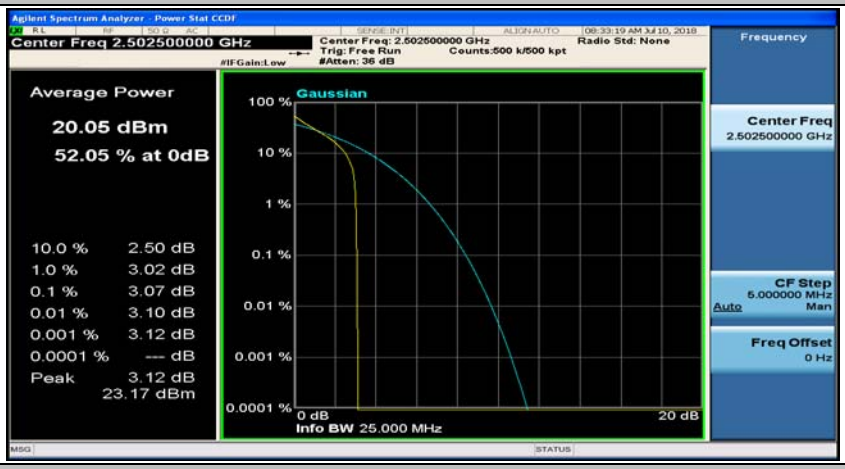
(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#0



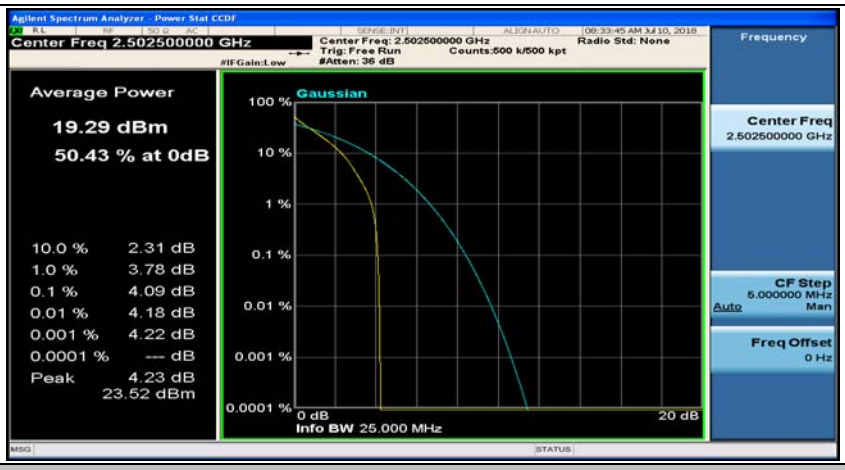
(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#12



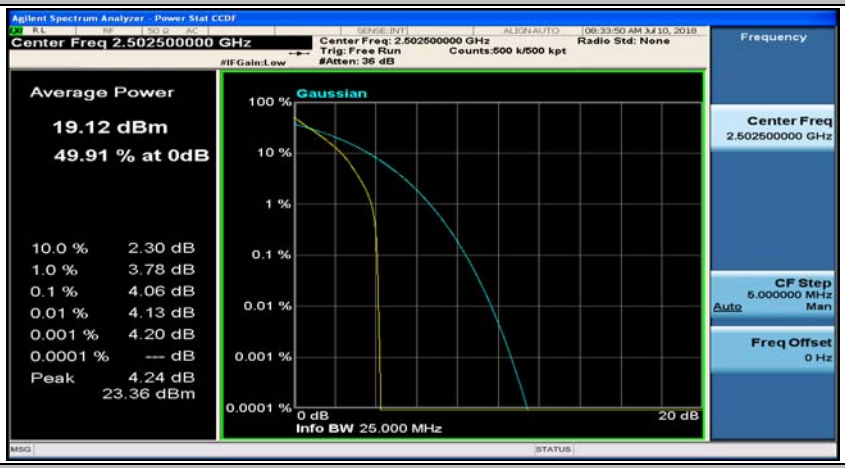
(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#24



(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#0

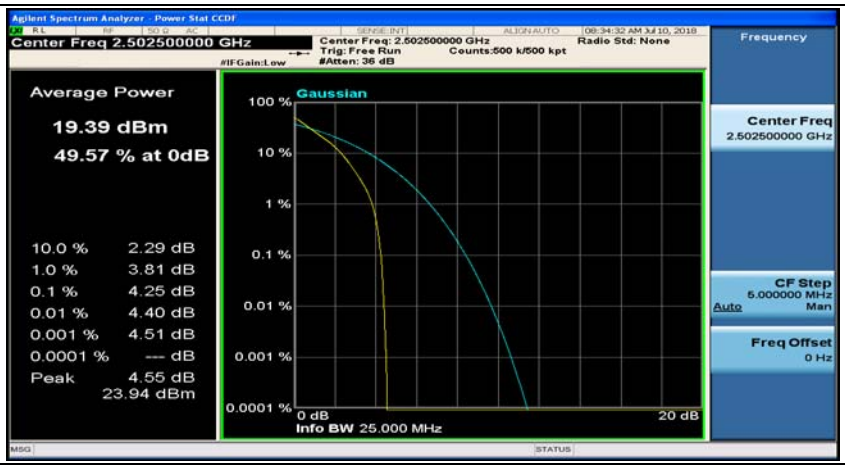


(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#6



(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#13

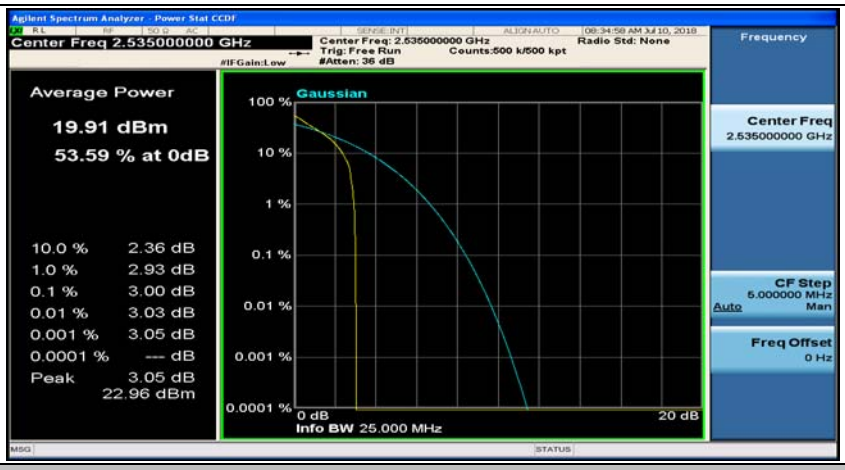
(Channel Bandwidth: 5 MHz)_LCH_QPSK_25RB#0



(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#0

(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#12

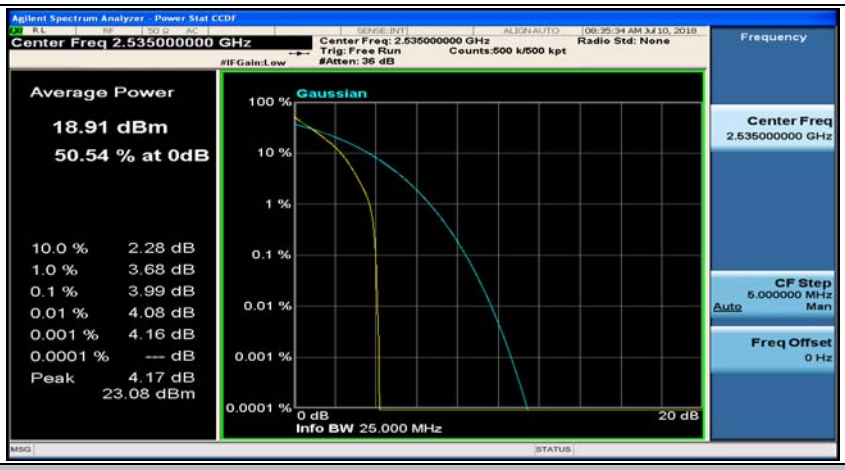
(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#24



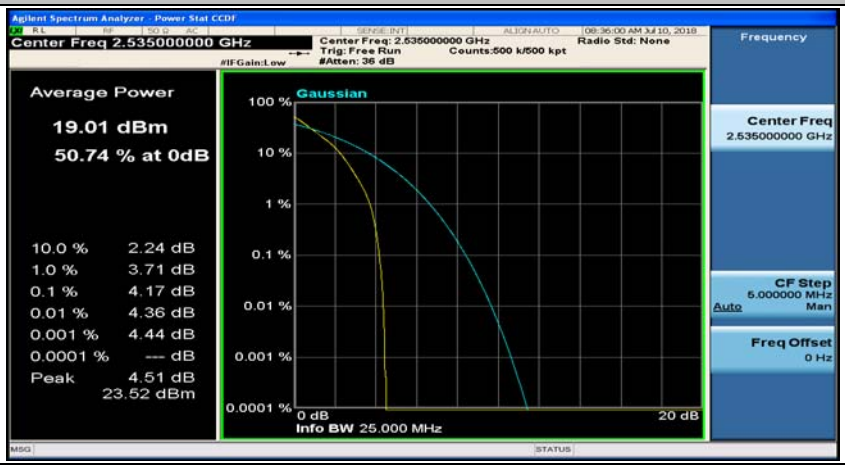
(Channel Bandwidth: 5 MHz)_MCH_QPSK_12RB#0

(Channel Bandwidth: 5 MHz)_MCH_QPSK_12RB#6

(Channel Bandwidth: 5 MHz)_MCH_QPSK_12RB#13

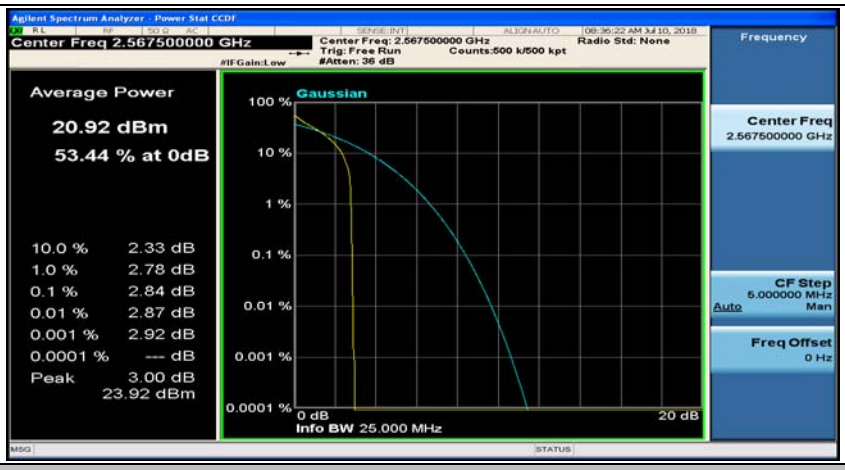


(Channel Bandwidth: 5 MHz)_MCH_QPSK_25RB#0

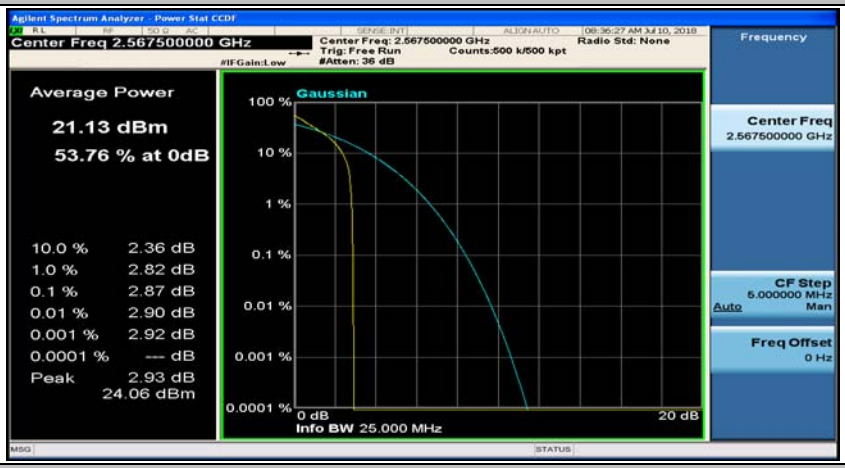


(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#0

(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#12



(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#24



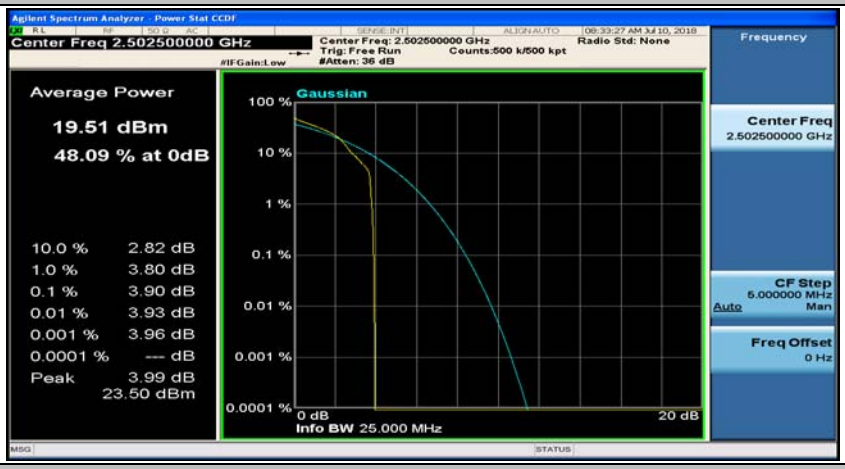
(Channel Bandwidth: 5 MHz)_HCH_QPSK_12RB#0

(Channel Bandwidth: 5 MHz)_HCH_QPSK_12RB#6

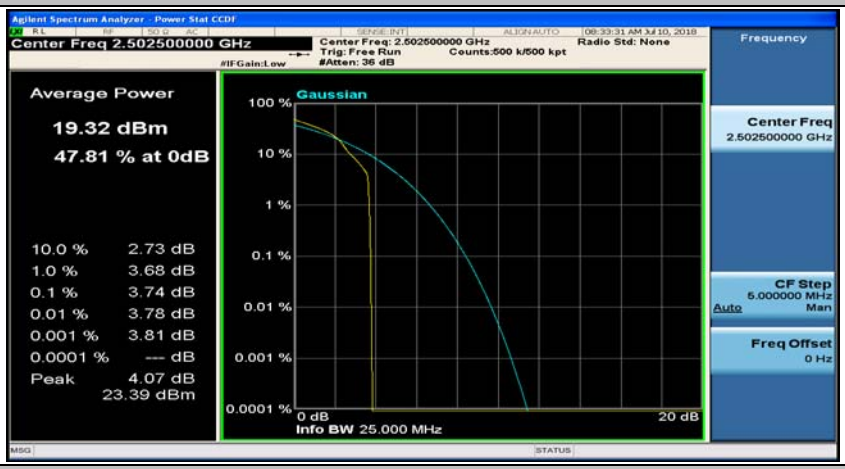
(Channel Bandwidth: 5 MHz)_HCH_QPSK_12RB#13

(Channel Bandwidth: 5 MHz)_HCH_QPSK_25RB#0

(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#0

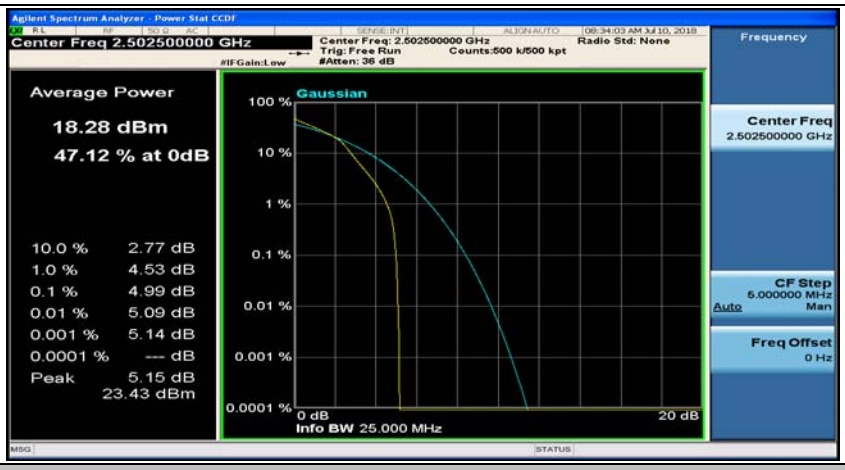


(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#12



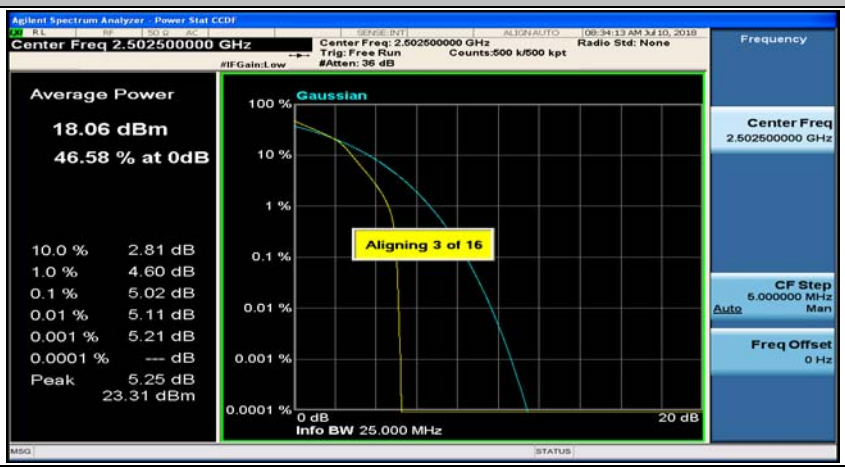
(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#24

(Channel Bandwidth: 5 MHz)_LCH_16QAM_12RB#0



(Channel Bandwidth: 5 MHz)_LCH_16QAM_12RB#6

(Channel Bandwidth: 5 MHz)_LCH_16QAM_12RB#13

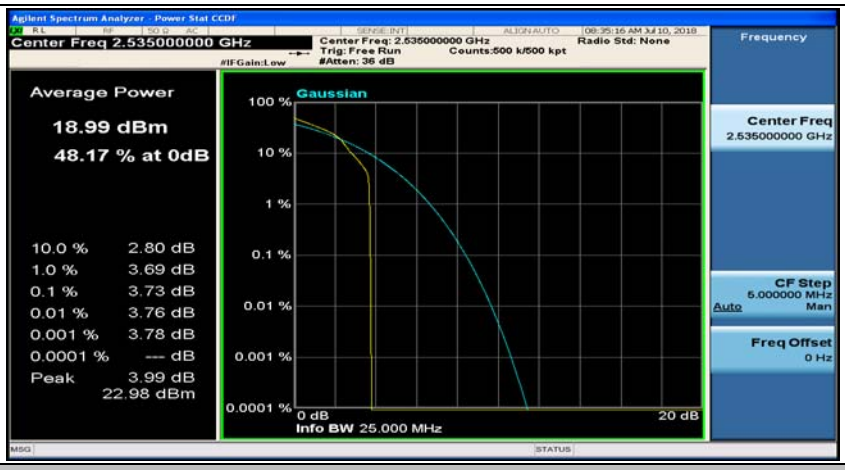


(Channel Bandwidth: 5 MHz)_LCH_16QAM_25RB#0

(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#0

(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#12

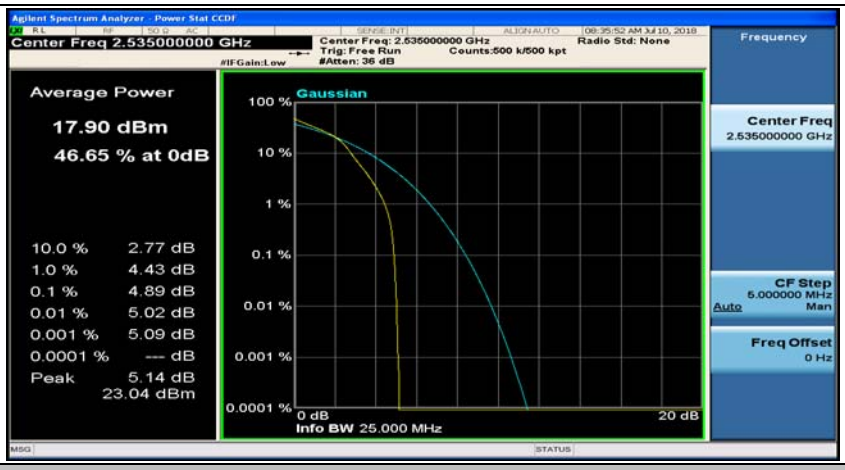
(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#24



(Channel Bandwidth: 5 MHz)_MCH_16QAM_12RB#0

(Channel Bandwidth: 5 MHz)_MCH_16QAM_12RB#6

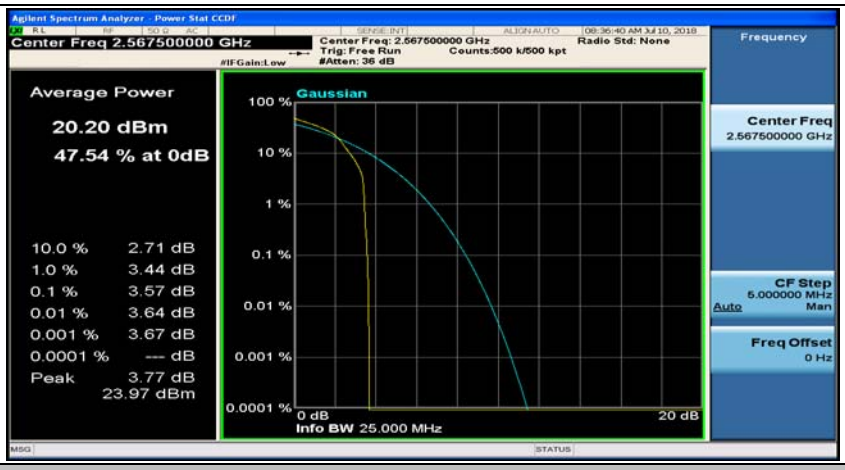
(Channel Bandwidth: 5 MHz)_MCH_16QAM_12RB#13



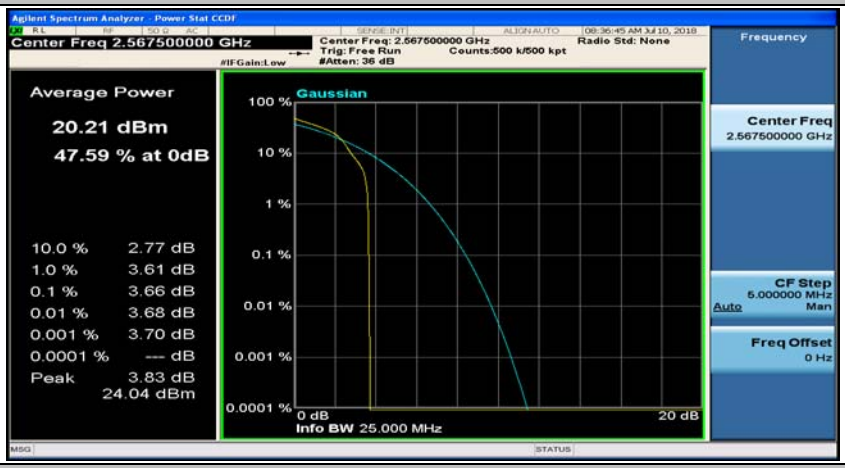
(Channel Bandwidth: 5 MHz)_MCH_16QAM_25RB#0

(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#0

(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#12

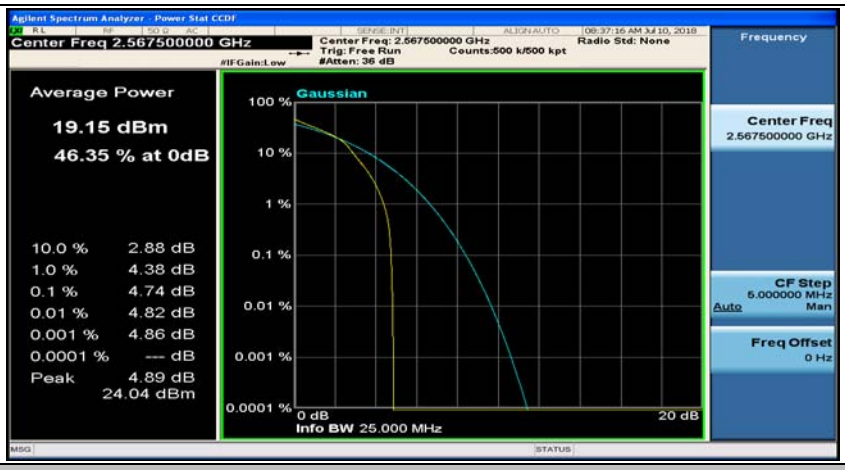


(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#24

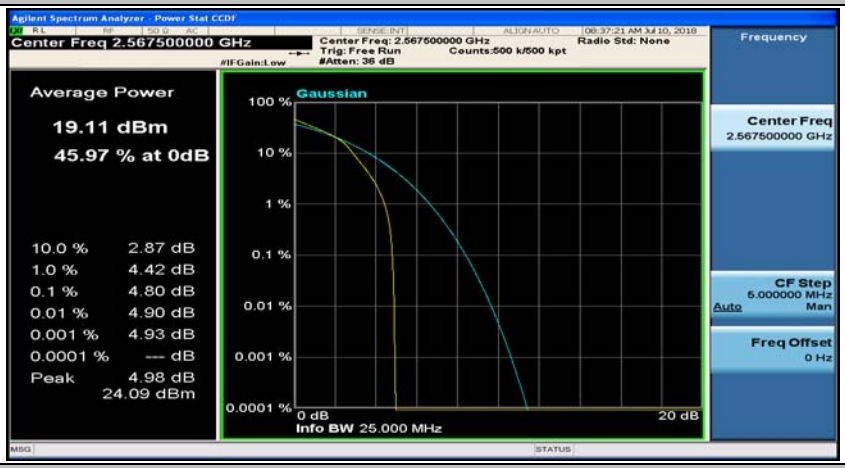


(Channel Bandwidth: 5 MHz)_HCH_16QAM_12RB#0

(Channel Bandwidth: 5 MHz)_HCH_16QAM_12RB#6

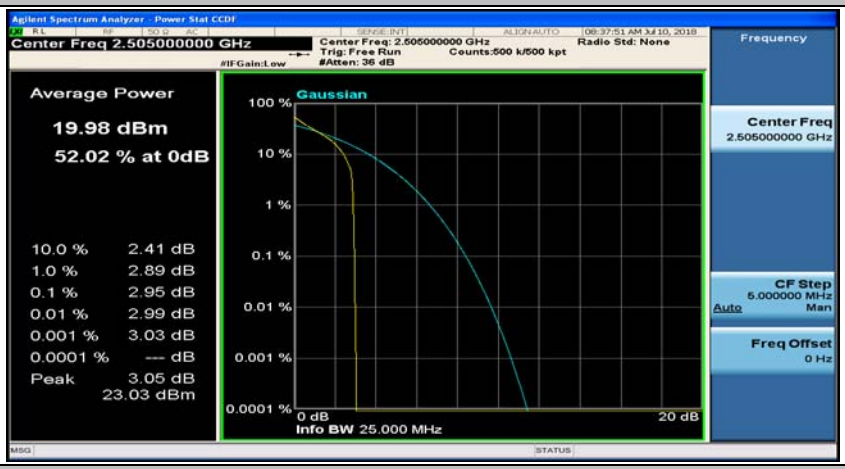


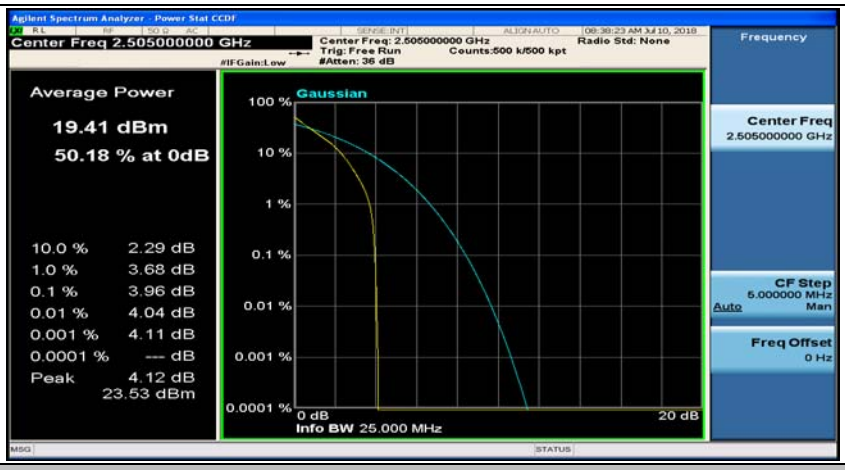
(Channel Bandwidth: 5 MHz)_HCH_16QAM_12RB#13



(Channel Bandwidth: 5 MHz)_HCH_16QAM_25RB#0

Channel Bandwidth: 10 MHz

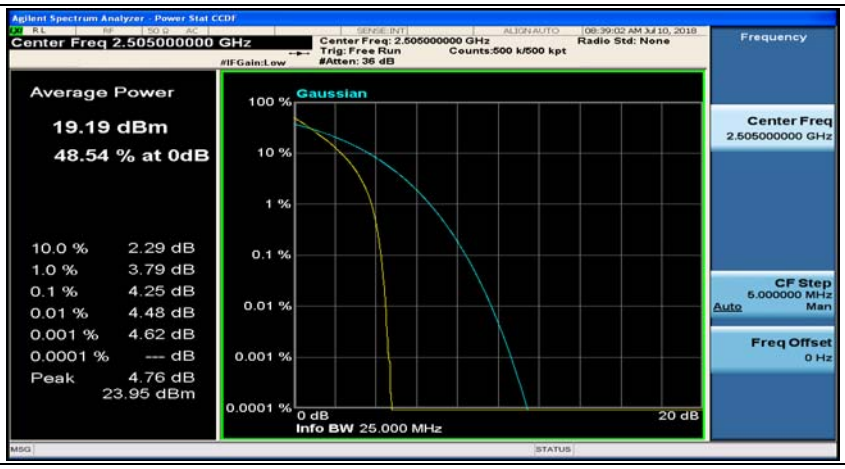
Channel Bandwidth: 10 MHz_LCH_QPSK_1RB#0
Channel Bandwidth: 10 MHz_LCH_QPSK_1RB#24

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



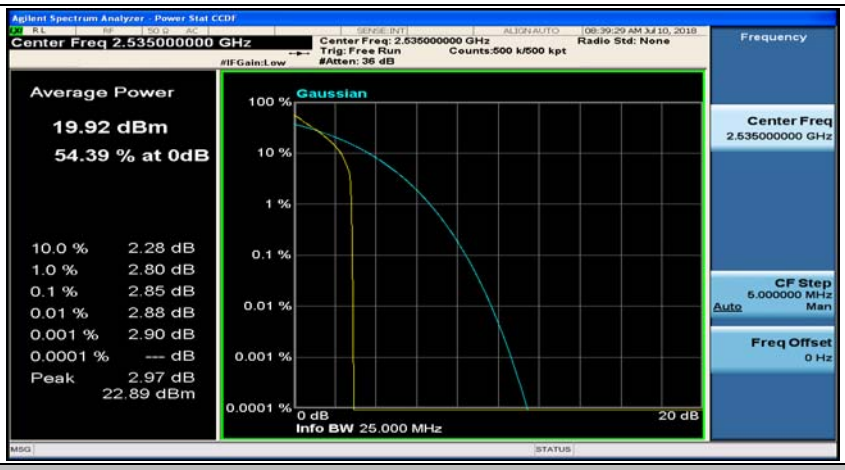
Channel Bandwidth: 10 MHz_LCH_QPSK_25RB#12

Channel Bandwidth: 10 MHz_LCH_QPSK_25RB#25

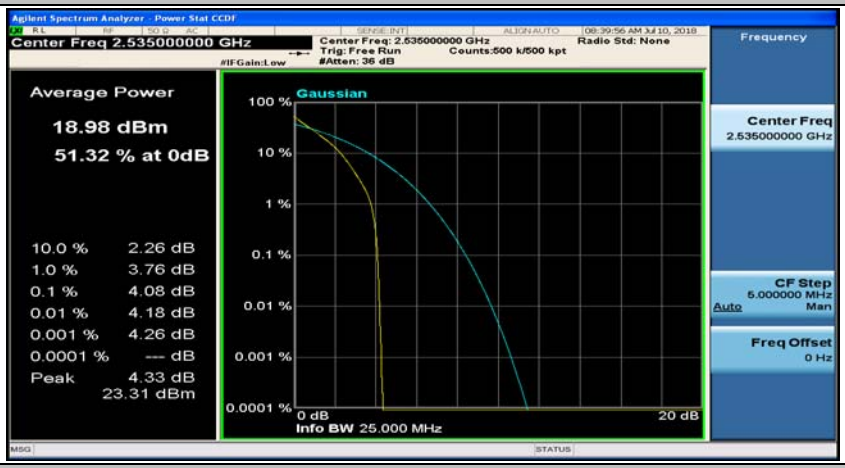
Channel Bandwidth: 10 MHz_LCH_QPSK_50RB#0



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

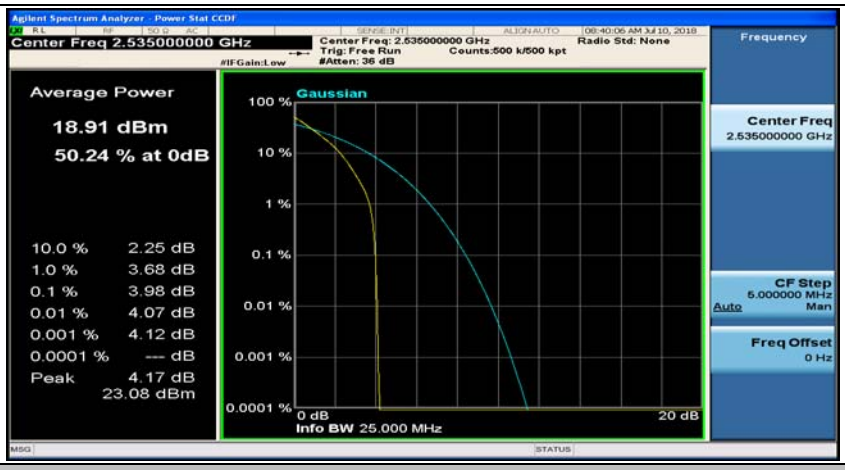


Channel Bandwidth: 10 MHz_MCH_QPSK_25RB#0



Channel Bandwidth: 10 MHz_MCH_QPSK_25RB#12

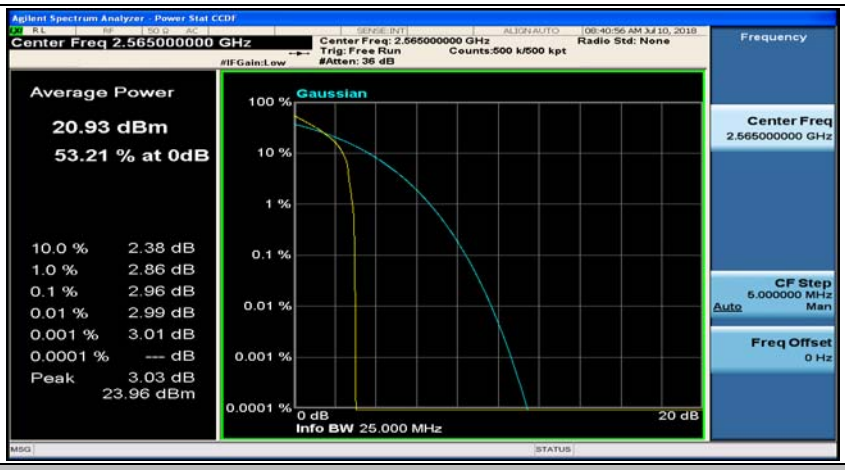
Channel Bandwidth: 10 MHz_MCH_QPSK_25RB#25



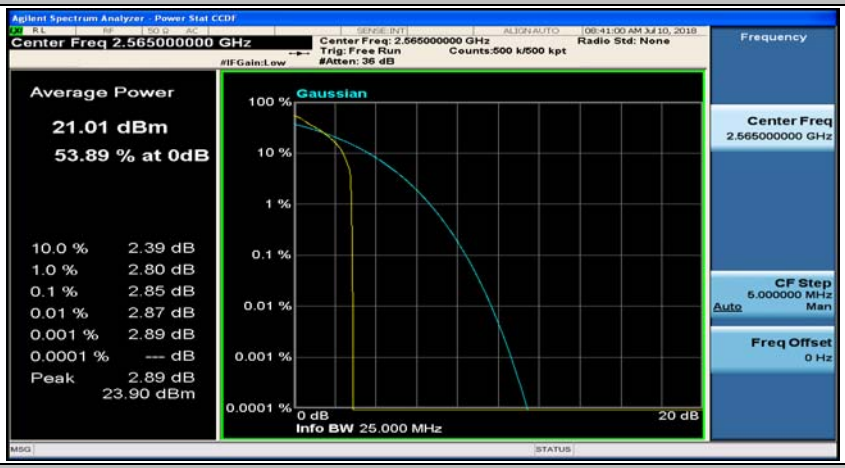
Channel Bandwidth: 10 MHz_MCH_QPSK_50RB#0

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

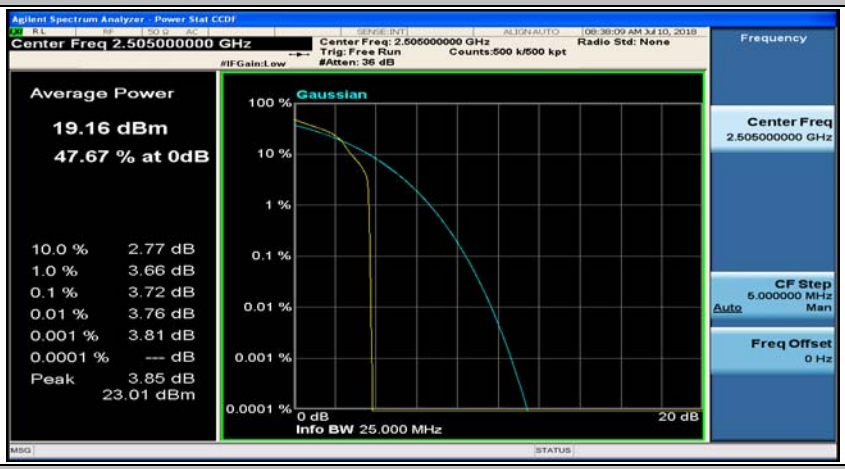
Channel Bandwidth: 10 MHz_HCH_QPSK_25RB#12

Channel Bandwidth: 10 MHz_HCH_QPSK_25RB#25

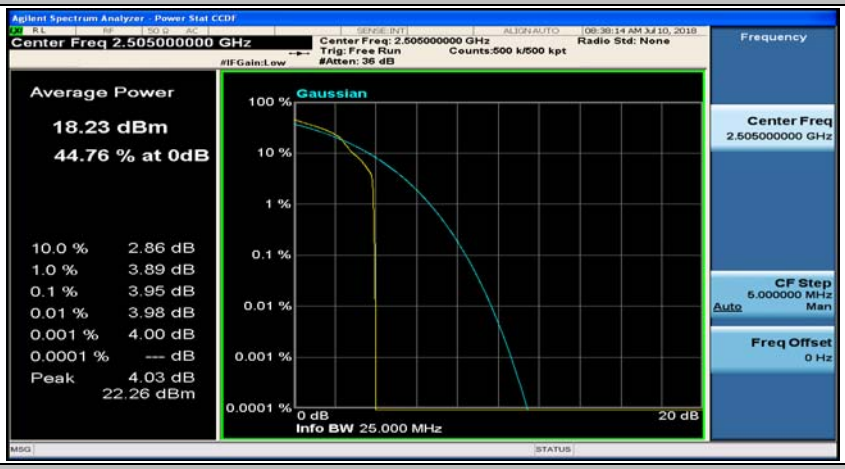
Channel Bandwidth: 10 MHz_HCH_QPSK_50RB#0

Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#0

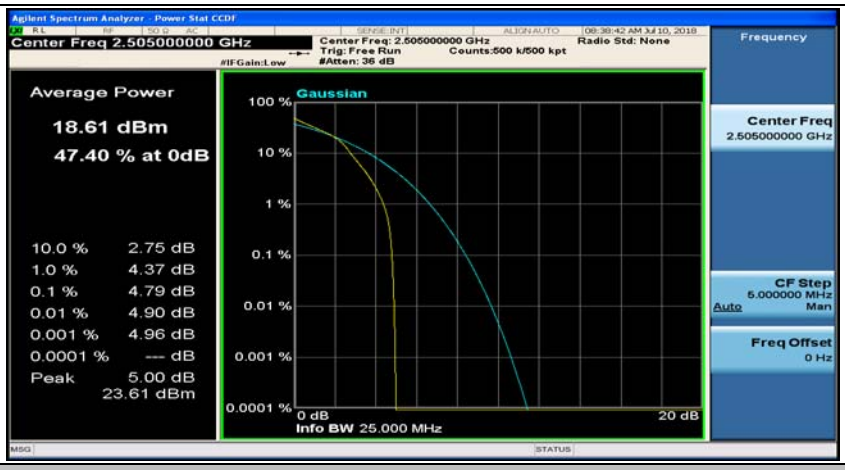
Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#24



Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#49



Channel Bandwidth: 10 MHz_LCH_16QAM_25RB#0



Channel Bandwidth: 10 MHz_LCH_16QAM_25RB#12

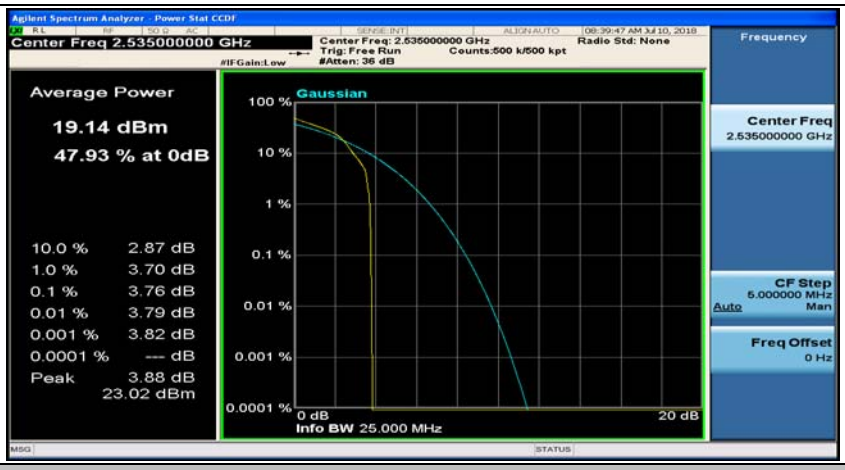
Channel Bandwidth: 10 MHz_LCH_16QAM_25RB#25

Channel Bandwidth: 10 MHz_LCH_16QAM_50RB#0

Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#0

Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#24

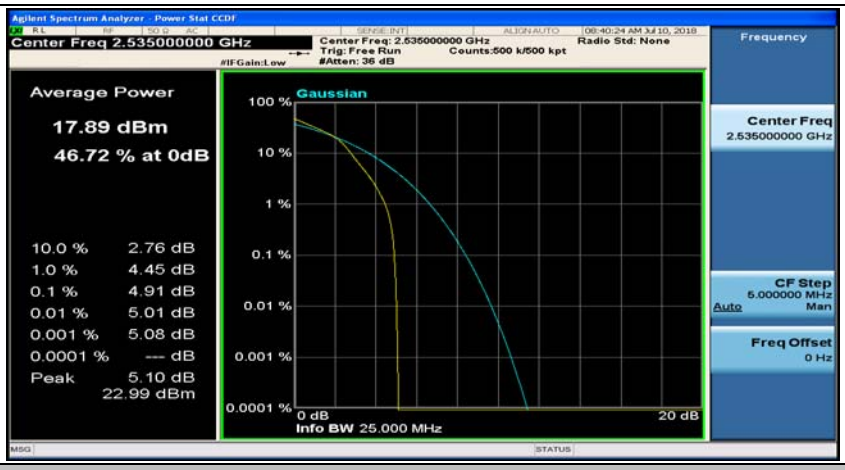
Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#49



Channel Bandwidth: 10 MHz_MCH_16QAM_25RB#0

Channel Bandwidth: 10 MHz_MCH_16QAM_25RB#12

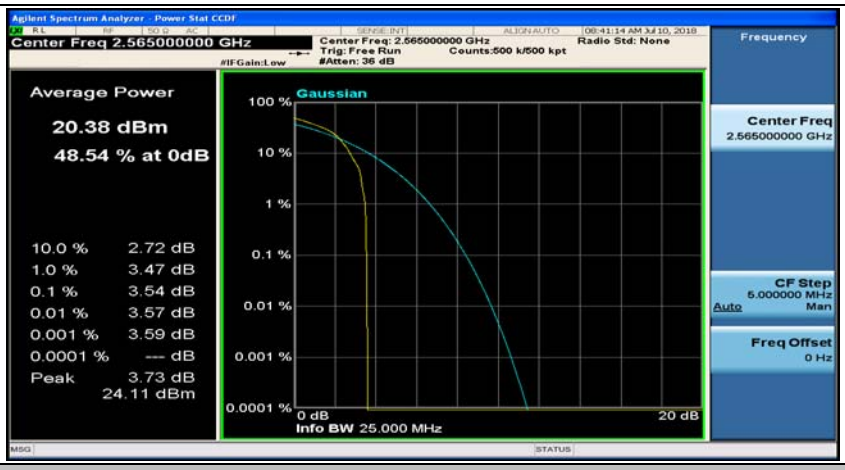
Channel Bandwidth: 10 MHz_MCH_16QAM_25RB#25



Channel Bandwidth: 10 MHz_MCH_16QAM_50RB#0

Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#0

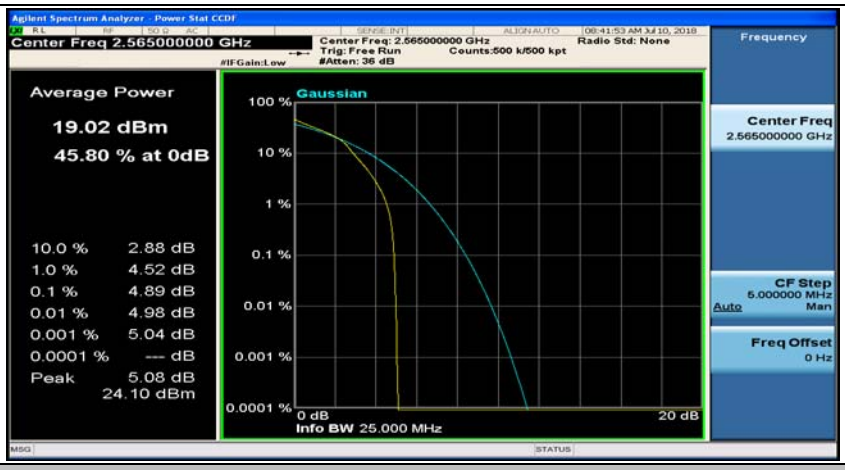
Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#24



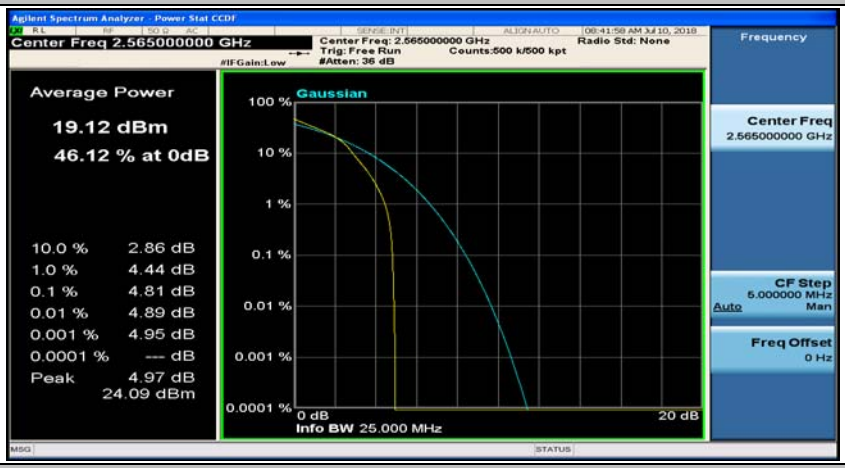
Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#49

Channel Bandwidth: 10 MHz_HCH_16QAM_25RB#0

Channel Bandwidth: 10 MHz_HCH_16QAM_25RB#12



Channel Bandwidth: 10 MHz_HCH_16QAM_25RB#25

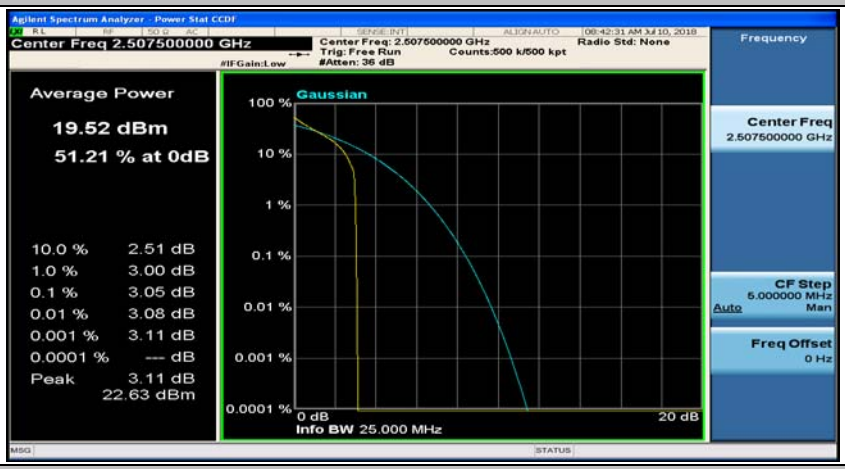


Channel Bandwidth: 10 MHz_HCH_16QAM_50RB#0

Channel Bandwidth: 15 MHz

(Channel Bandwidth:15 MHz)_LCH_QPSK_1RB#0

(Channel Bandwidth:15 MHz)_LCH_QPSK_1RB#37



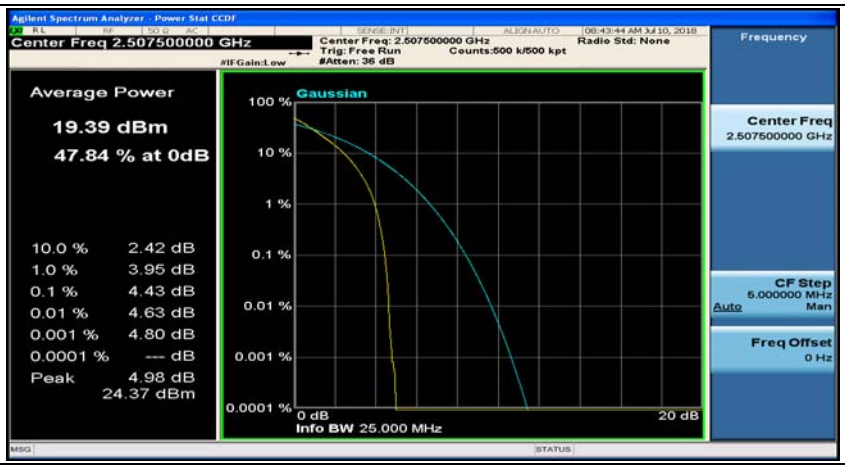
(Channel Bandwidth:15 MHz)_LCH_QPSK_1RB#74

(Channel Bandwidth:15 MHz)_LCH_QPSK_37RB#0

(Channel Bandwidth:15 MHz)_LCH_QPSK_37RB#18

(Channel Bandwidth:15 MHz)_LCH_QPSK_37RB#38

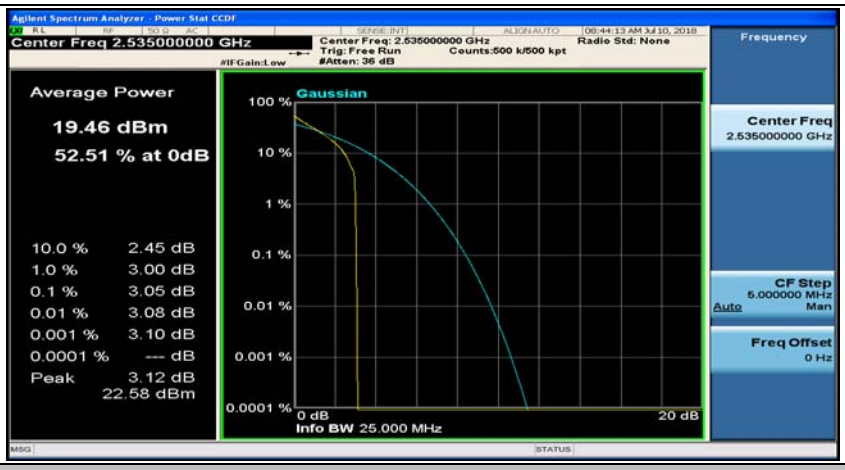
(Channel Bandwidth:15 MHz)_LCH_QPSK_75RB#0



(Channel Bandwidth:15 MHz)_MCH_QPSK_1RB#0

(Channel Bandwidth:15 MHz)_MCH_QPSK_1RB#37

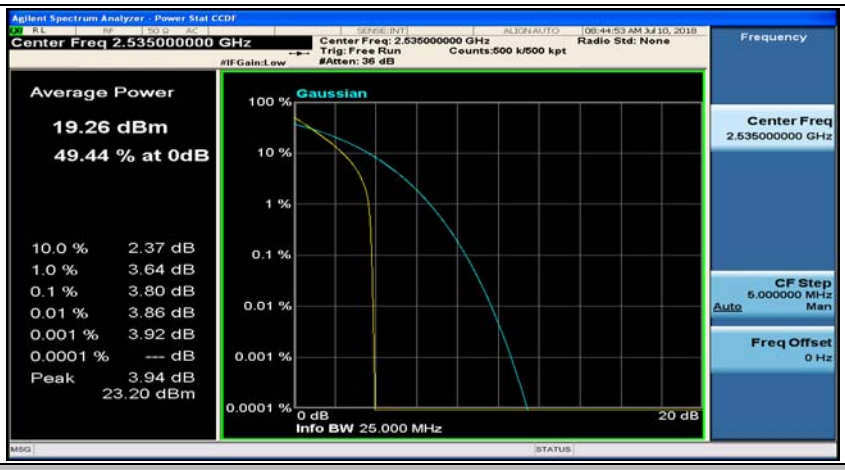
(Channel Bandwidth:15 MHz)_MCH_QPSK_1RB#74



(Channel Bandwidth:15 MHz)_MCH_QPSK_37RB#0

(Channel Bandwidth:15 MHz)_MCH_QPSK_37RB#18

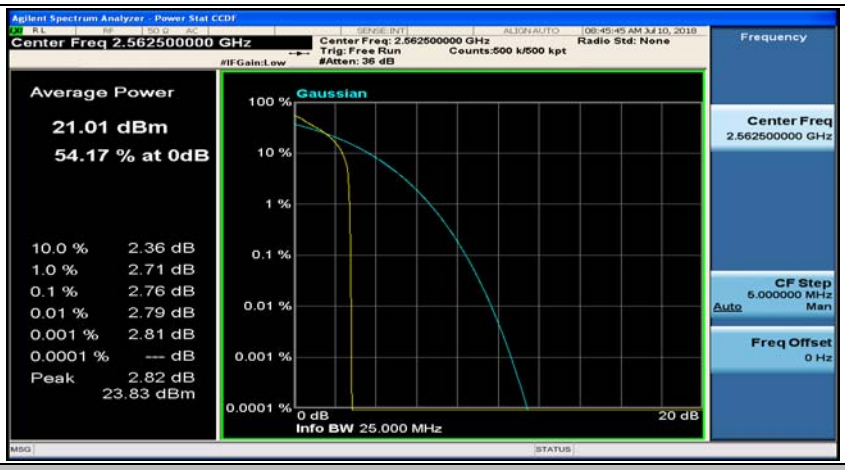
(Channel Bandwidth:15 MHz)_MCH_QPSK_37RB#38



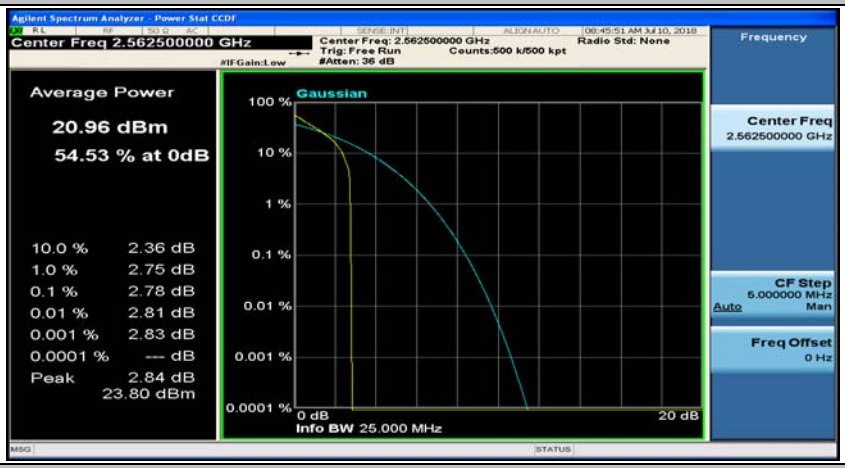
(Channel Bandwidth:15 MHz)_MCH_QPSK_75RB#0

(Channel Bandwidth:15 MHz)_HCH_QPSK_1RB#0

(Channel Bandwidth:15 MHz)_HCH_QPSK_1RB#37

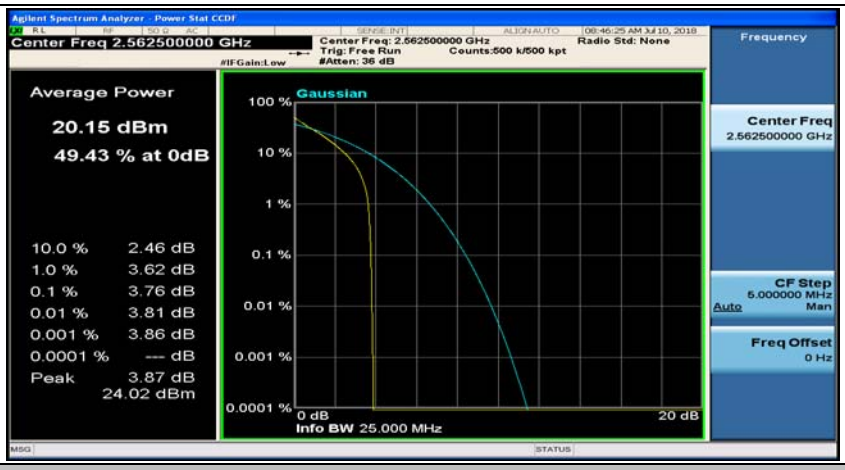


(Channel Bandwidth:15 MHz)_HCH_QPSK_1RB#74



(Channel Bandwidth:15 MHz)_HCH_QPSK_37RB#0

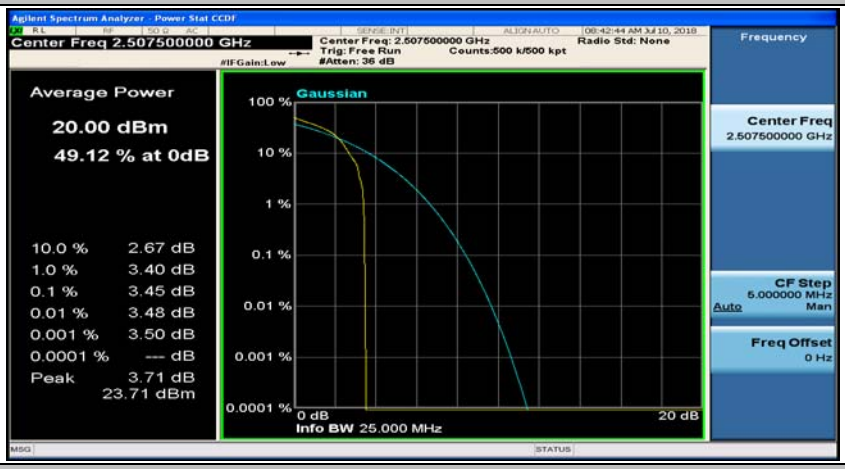
(Channel Bandwidth:15 MHz)_HCH_QPSK_37RB#18



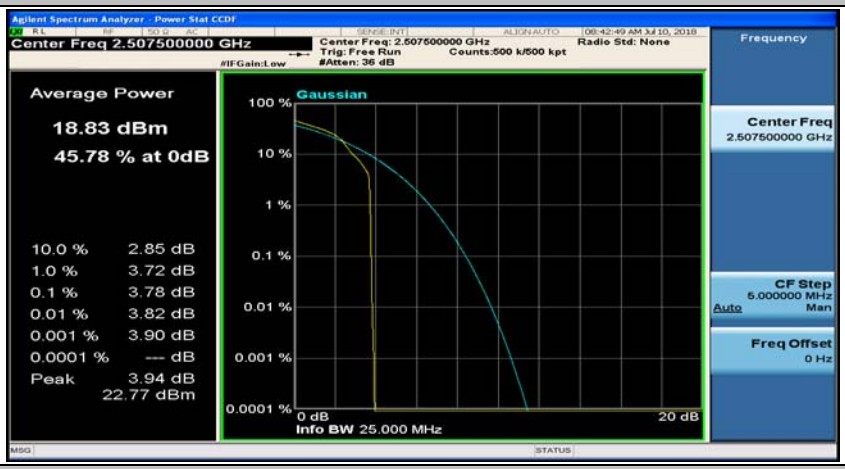
(Channel Bandwidth:15 MHz)_HCH_QPSK_37RB#38

(Channel Bandwidth:15 MHz)_HCH_QPSK_75RB#0

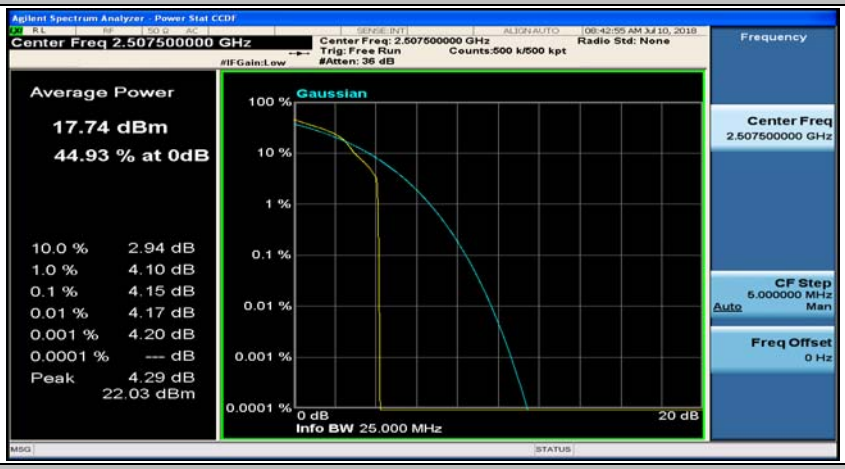
(Channel Bandwidth:15 MHz)_LCH_16QAM_1RB#0



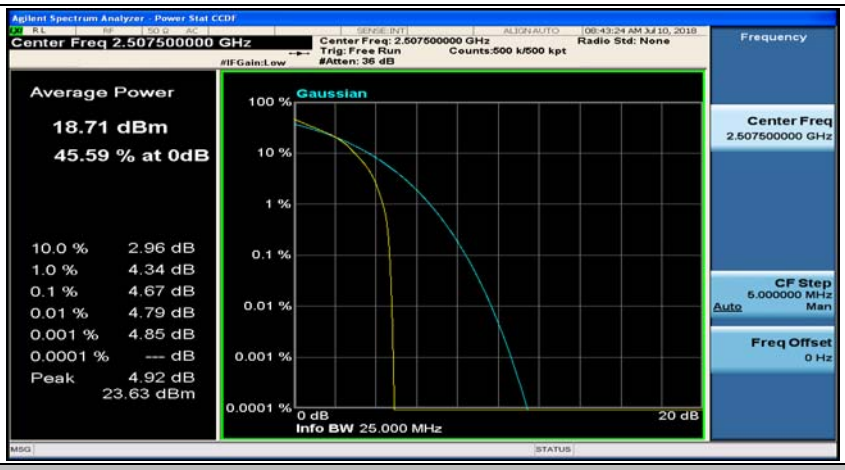
(Channel Bandwidth:15 MHz)_LCH_16QAM_1RB#37



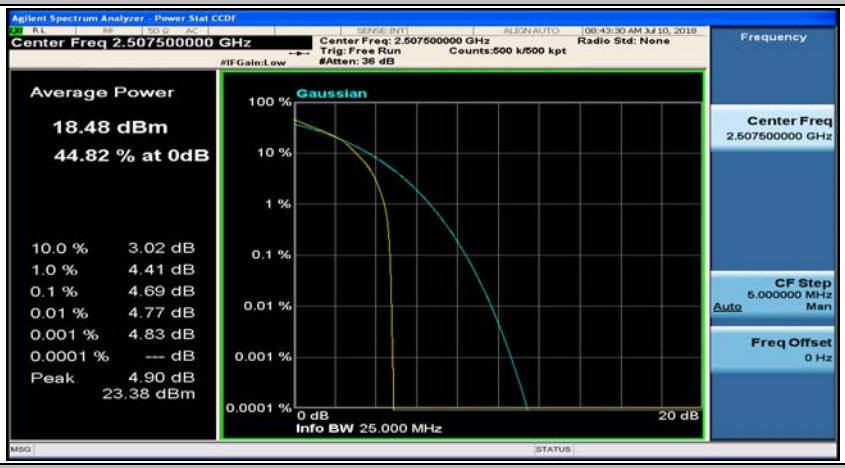
(Channel Bandwidth:15 MHz)_LCH_16QAM_1RB#74



(Channel Bandwidth:15 MHz)_LCH_16QAM_37RB#0



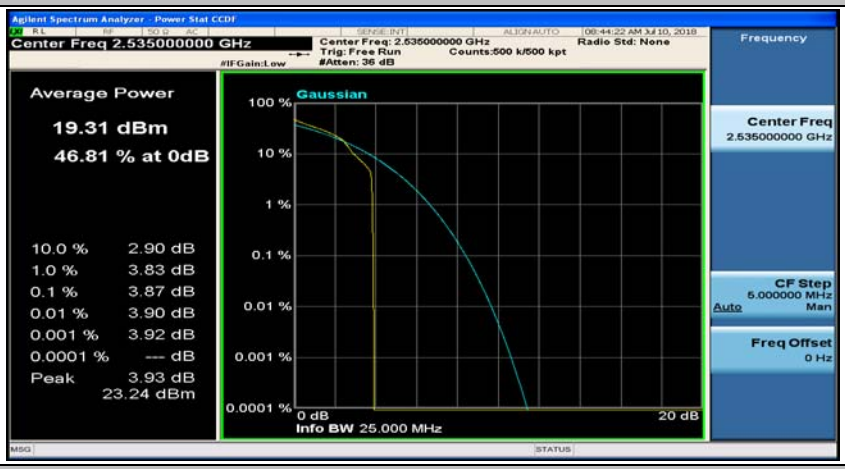
(Channel Bandwidth:15 MHz)_LCH_16QAM_37RB#18



(Channel Bandwidth:15 MHz)_LCH_16QAM_37RB#38

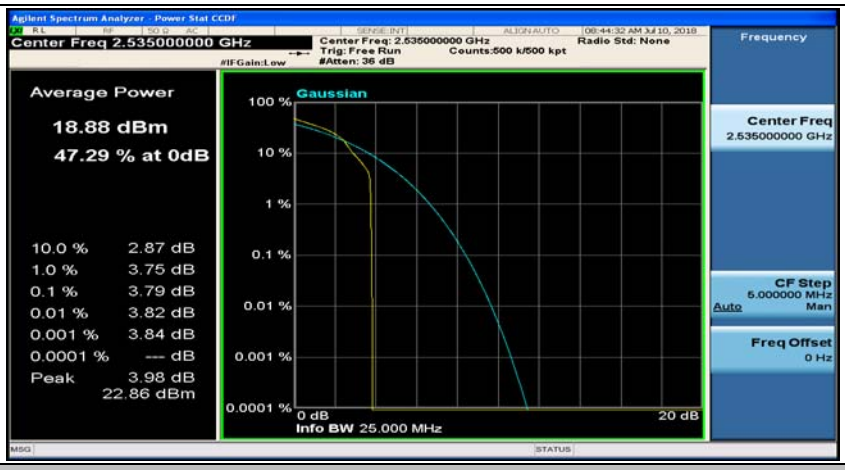
(Channel Bandwidth:15 MHz)_LCH_16QAM_75RB#0

(Channel Bandwidth:15 MHz)_MCH_16QAM_1RB#0



(Channel Bandwidth:15 MHz)_MCH_16QAM_1RB#37

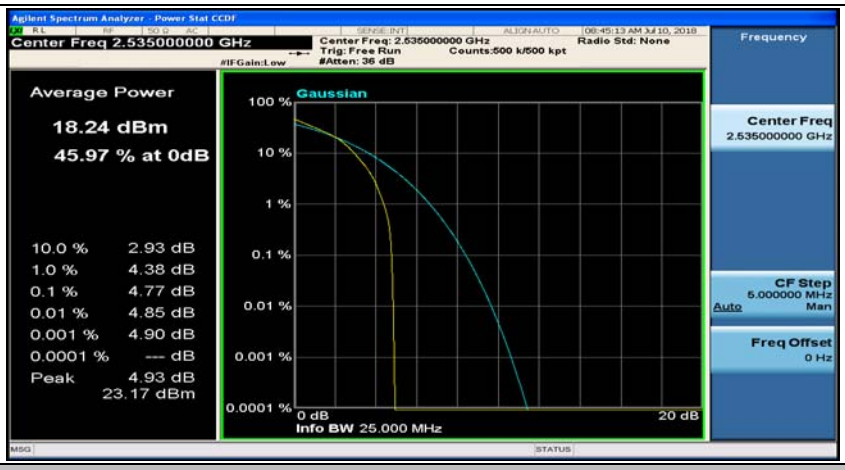
(Channel Bandwidth:15 MHz)_MCH_16QAM_1RB#74



(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