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	21.09	PASS
		1	12	20.66	PASS
		1	24	21.36	PASS
		12	0	20.37	PASS
		12	6	20.45	PASS
		12	13	20.89	PASS
		25	0	20.48	PASS
	MCH	1	0	21.12	PASS
		1	12	20.48	PASS
		1	24	21.47	PASS
		12	0	20.92	PASS
		12	6	20.74	PASS
		12	13	20.22	PASS
		25	0	20.06	PASS
	HCH	1	0	22.85	PASS
		1	12	22.04	PASS
		1	24	21.68	PASS
		12	0	21.56	PASS
		12	6	21.17	PASS
		12	13	20.91	PASS
		25	0	21.28	PASS
16QAM	LCH	1	0	20.00	PASS
		1	12	20.84	PASS
		1	24	20.72	PASS
		12	0	20.61	PASS
		12	6	20.74	PASS
		12	13	20.16	PASS
		25	0	20.68	PASS
	MCH	1	0	20.64	PASS
		1	12	20.04	PASS
		1	24	21.05	PASS
		12	0	20.16	PASS
		12	6	20.12	PASS

		12	13	20.52	PASS
		25	0	20.16	PASS
	HCH	1	0	21.92	PASS
		1	12	21.03	PASS
		1	24	20.70	PASS
		12	0	20.71	PASS
		12	6	20.43	PASS
		12	13	20.21	PASS
		25	0	20.42	PASS

Channel Bandwidth: 10 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	20.86	PASS
		1	24	20.78	PASS
		1	49	21.68	PASS
		25	0	20.35	PASS
		25	12	20.99	PASS
		25	25	20.68	PASS
		50	0	20.99	PASS
	MCH	1	0	20.68	PASS
		1	24	20.39	PASS
		1	49	21.13	PASS
		25	0	20.81	PASS
		25	12	20.73	PASS
		25	25	20.29	PASS
		50	0	20.30	PASS
	HCH	1	0	22.16	PASS
		1	24	22.29	PASS
		1	49	20.79	PASS
		25	0	21.32	PASS
		25	12	21.30	PASS
		25	25	20.83	PASS
		50	0	21.23	PASS
16QAM	LCH	1	0	20.08	PASS
		1	24	20.12	PASS
		1	49	21.18	PASS
		25	0	20.48	PASS
		25	12	20.12	PASS
		25	25	20.84	PASS
		50	0	20.63	PASS
	MCH	1	0	20.11	PASS

		1	24	20.86	PASS
		1	49	20.61	PASS
		25	0	20.28	PASS
		25	12	20.27	PASS
		25	25	20.55	PASS
		50	0	20.35	PASS
	HCH	1	0	21.48	PASS
		1	24	21.64	PASS
		1	49	20.33	PASS
		25	0	20.33	PASS
		25	12	20.42	PASS
		25	25	20.10	PASS
		50	0	20.35	PASS

Channel Bandwidth: 15 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	20.99	PASS
		1	37	21.42	PASS
		1	74	22.68	PASS
		37	0	20.67	PASS
		37	18	20.62	PASS
		37	38	21.79	PASS
		75	0	20.51	PASS
	MCH	1	0	20.72	PASS
		1	37	20.05	PASS
		1	74	21.37	PASS
		37	0	20.59	PASS
		37	18	20.45	PASS
		37	38	20.02	PASS
		75	0	20.87	PASS
	HCH	1	0	21.65	PASS
		1	37	21.84	PASS
		1	74	20.80	PASS
		37	0	20.90	PASS
		37	18	20.97	PASS
		37	38	20.93	PASS
		75	0	20.99	PASS
16QAM	LCH	1	0	20.24	PASS
		1	37	20.81	PASS
		1	74	22.49	PASS
		37	0	20.49	PASS

		37	18	20.52	PASS
		37	38	20.68	PASS
		75	0	20.62	PASS
	MCH	1	0	20.12	PASS
		1	37	20.50	PASS
		1	74	20.91	PASS
		37	0	20.69	PASS
		37	18	20.66	PASS
		37	38	20.18	PASS
		75	0	20.95	PASS
	HCH	1	0	21.05	PASS
		1	37	21.16	PASS
		1	74	20.30	PASS
		37	0	20.06	PASS
		37	18	20.11	PASS
		37	38	20.12	PASS
		75	0	20.15	PASS

Channel Bandwidth: 20 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	20.73	PASS
		1	49	21.95	PASS
		1	99	23.20	PASS
		50	0	20.75	PASS
		50	25	21.18	PASS
		50	50	21.66	PASS
		100	0	20.98	PASS
	MCH	1	0	21.29	PASS
		1	49	20.01	PASS
		1	99	21.60	PASS
		50	0	20.58	PASS
		50	25	20.49	PASS
		50	50	20.11	PASS
		100	0	20.87	PASS
	HCH	1	0	21.44	PASS
		1	49	21.62	PASS
		1	99	20.80	PASS
		50	0	20.62	PASS
		50	25	20.80	PASS
		50	50	20.78	PASS
		100	0	20.87	PASS

16QAM	LCH	1	0	20.90	PASS
		1	49	21.22	PASS
		1	99	21.78	PASS
		50	0	20.85	PASS
		50	25	20.17	PASS
		50	50	20.60	PASS
		100	0	20.06	PASS
	MCH	1	0	20.58	PASS
		1	49	20.29	PASS
		1	99	21.01	PASS
		50	0	20.73	PASS
		50	25	20.62	PASS
		50	50	20.27	PASS
		100	0	20.99	PASS
	HCH	1	0	20.88	PASS
		1	49	21.00	PASS
		1	99	20.33	PASS
		50	0	20.82	PASS
		50	25	20.96	PASS
		50	50	20.00	PASS
		100	0	20.97	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	3.81	<13	PASS
		1	12	3.98	<13	PASS
		1	24	3.57	<13	PASS
		12	0	5.49	<13	PASS
		12	6	5.48	<13	PASS
		12	13	5.33	<13	PASS
		25	0	5.53	<13	PASS
	MCH	1	0	4.37	<13	PASS
		1	12	4.82	<13	PASS
		1	24	4.2	<13	PASS
		12	0	5.83	<13	PASS
		12	6	5.9	<13	PASS
		12	13	5.73	<13	PASS
		25	0	5.82	<13	PASS
	HCH	1	0	3.03	<13	PASS
		1	12	3.65	<13	PASS
		1	24	3.76	<13	PASS
		12	0	4.76	<13	PASS
		12	6	4.98	<13	PASS
		12	13	5.11	<13	PASS
		25	0	4.94	<13	PASS
16QAM	LCH	1	0	4.98	<13	PASS
		1	12	5.08	<13	PASS
		1	24	4.59	<13	PASS
		12	0	6.34	<13	PASS
		12	6	6.32	<13	PASS
		12	13	6.15	<13	PASS
		25	0	6.36	<13	PASS
	MCH	1	0	5.2	<13	PASS
		1	12	5.41	<13	PASS
		1	24	5.03	<13	PASS
		12	0	6.81	<13	PASS

		12	6	6.71	<13	PASS
		12	13	6.71	<13	PASS
		25	0	6.67	<13	PASS
	HCH	1	0	4.12	<13	PASS
		1	12	4.53	<13	PASS
		1	24	4.74	<13	PASS
		12	0	5.55	<13	PASS
		12	6	5.68	<13	PASS
		12	13	5.86	<13	PASS
		25	0	5.77	<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	4.22	<13	PASS
		1	24	3.73	<13	PASS
		1	49	3.32	<13	PASS
		25	0	5.47	<13	PASS
		25	12	5.29	<13	PASS
		25	25	4.91	<13	PASS
		50	0	5.29	<13	PASS
	MCH	1	0	4.49	<13	PASS
		1	24	4.77	<13	PASS
		1	49	4.35	<13	PASS
		25	0	5.8	<13	PASS
		25	12	5.89	<13	PASS
		25	25	5.71	<13	PASS
		50	0	5.81	<13	PASS
	HCH	1	0	3.4	<13	PASS
		1	24	3.25	<13	PASS
		1	49	3.98	<13	PASS
		25	0	4.82	<13	PASS
		25	12	4.77	<13	PASS
		25	25	4.97	<13	PASS
		50	0	4.89	<13	PASS
16QAM	LCH	1	0	5.32	<13	PASS
		1	24	4.66	<13	PASS
		1	49	4.16	<13	PASS
		25	0	6.34	<13	PASS
		25	12	6.1	<13	PASS

		25	25	5.73	<13	PASS
		50	0	6.09	<13	PASS
	MCH	1	0	5.5	<13	PASS
		1	24	5.69	<13	PASS
		1	49	5.24	<13	PASS
		25	0	6.67	<13	PASS
		25	12	6.65	<13	PASS
		25	25	6.48	<13	PASS
		50	0	6.51	<13	PASS
	HCH	1	0	4.54	<13	PASS
		1	24	4.36	<13	PASS
		1	49	5.07	<13	PASS
		25	0	5.71	<13	PASS
		25	12	5.62	<13	PASS
		25	25	5.79	<13	PASS
		50	0	5.75	<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	4.15	<13	PASS
		1	37	3.38	<13	PASS
		1	74	2.88	<13	PASS
		37	0	5.38	<13	PASS
		37	18	4.9	<13	PASS
		37	38	4.35	<13	PASS
		75	0	5.29	<13	PASS
	MCH	1	0	4.37	<13	PASS
		1	37	4.77	<13	PASS
		1	74	4.16	<13	PASS
		37	0	5.87	<13	PASS
		37	18	5.85	<13	PASS
		37	38	5.72	<13	PASS
		75	0	6.07	<13	PASS
	HCH	1	0	3.49	<13	PASS
		1	37	3.38	<13	PASS
		1	74	3.83	<13	PASS
		37	0	5.03	<13	PASS
		37	18	4.92	<13	PASS
		37	38	4.92	<13	PASS

		75	0	5.31	<13	PASS
16QAM	LCH	1	0	5.05	<13	PASS
		1	37	4.4	<13	PASS
		1	74	3.99	<13	PASS
		37	0	6.21	<13	PASS
		37	18	5.77	<13	PASS
		37	38	5.18	<13	PASS
		75	0	6.03	<13	PASS
	MCH	1	0	5.31	<13	PASS
		1	37	5.66	<13	PASS
		1	74	5.01	<13	PASS
		37	0	6.62	<13	PASS
		37	18	6.6	<13	PASS
		37	38	6.45	<13	PASS
		75	0	6.65	<13	PASS
	HCH	1	0	4.49	<13	PASS
		1	37	4.42	<13	PASS
		1	74	4.84	<13	PASS
		37	0	5.95	<13	PASS
		37	18	5.86	<13	PASS
		37	38	5.78	<13	PASS
		75	0	6.02	<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	4.18	<13	PASS
		1	49	3.22	<13	PASS
		1	99	2.96	<13	PASS
		50	0	5.32	<13	PASS
		50	25	4.56	<13	PASS
		50	50	4.53	<13	PASS
		100	0	5.08	<13	PASS
	MCH	1	0	4.00	<13	PASS
		1	49	4.78	<13	PASS
		1	99	4.00	<13	PASS
		50	0	5.82	<13	PASS
		50	25	5.91	<13	PASS
		50	50	5.68	<13	PASS
		100	0	5.81	<13	PASS

	HCH	1	0	3.81	<13	PASS
		1	49	3.77	<13	PASS
		1	99	4.21	<13	PASS
		50	0	5.24	<13	PASS
		50	25	5.1	<13	PASS
		50	50	5.09	<13	PASS
		100	0	5.33	<13	PASS
16QAM	LCH	1	0	4.98	<13	PASS
		1	49	4.03	<13	PASS
		1	99	3.79	<13	PASS
		50	0	6.16	<13	PASS
		50	25	5.4	<13	PASS
		50	50	5.49	<13	PASS
		100	0	5.9	<13	PASS
	MCH	1	0	4.95	<13	PASS
		1	49	5.76	<13	PASS
		1	99	5.00	<13	PASS
		50	0	6.65	<13	PASS
		50	25	6.65	<13	PASS
		50	50	6.48	<13	PASS
		100	0	6.61	<13	PASS
	HCH	1	0	4.72	<13	PASS
		1	49	4.50	<13	PASS
		1	99	4.77	<13	PASS
		50	0	6.05	<13	PASS
		50	25	5.89	<13	PASS
		50	50	5.88	<13	PASS
		100	0	6.12	<13	PASS

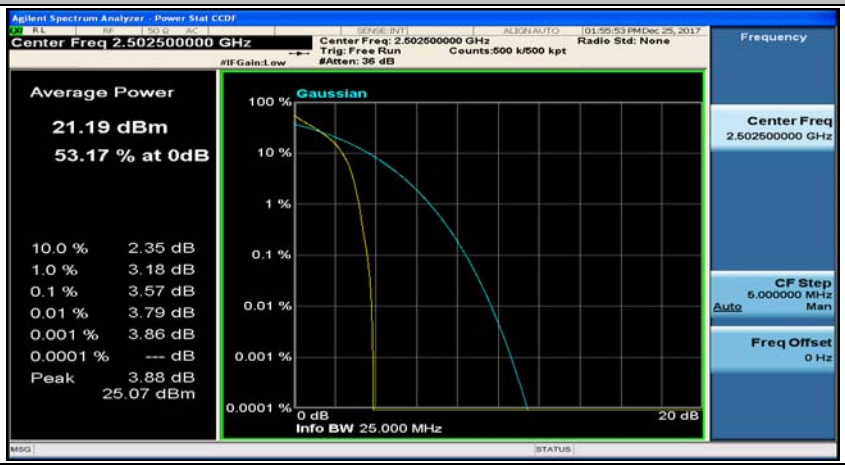
Test Graphs

Channel Bandwidth: 5 MHz

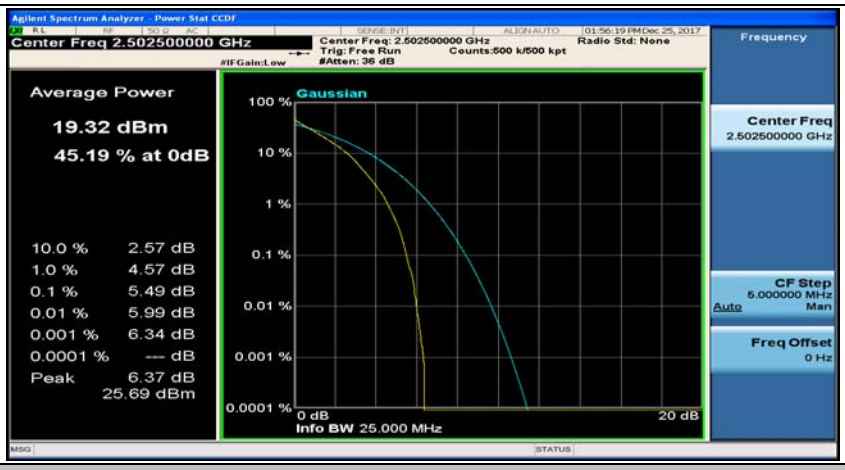
(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#0

(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

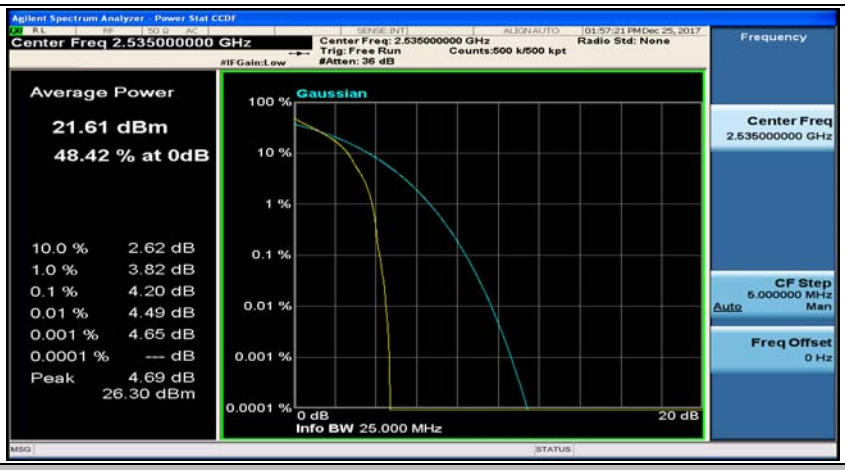
(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#13

(Channel Bandwidth: 5 MHz)_LCH_QPSK_25RB#0

(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#0

(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#12

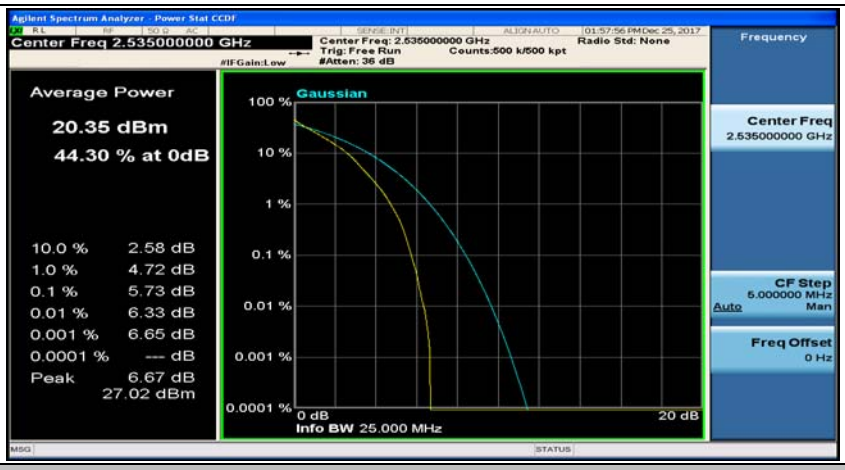
(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#24



(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

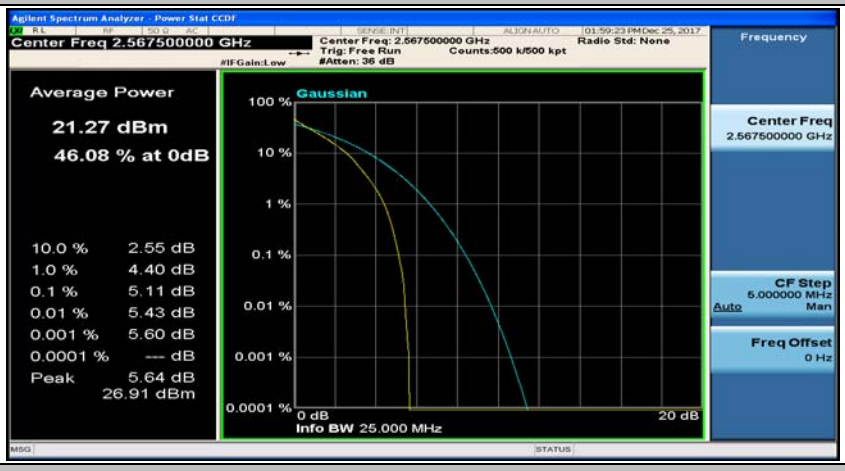
(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#12

(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



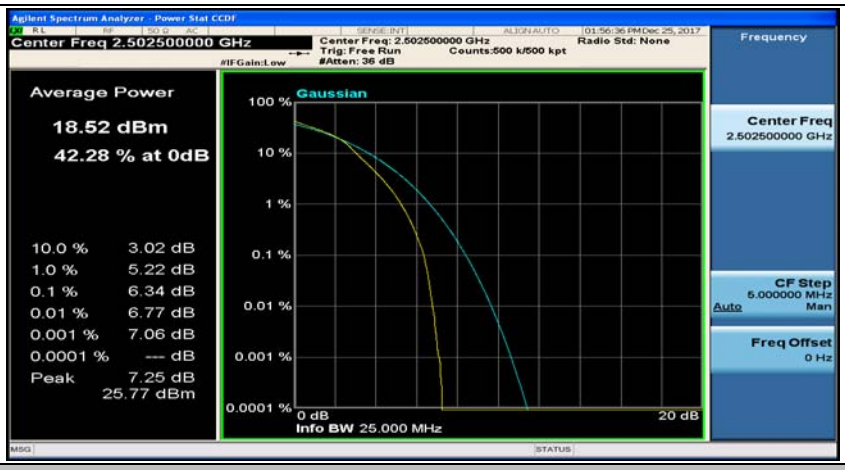
(Channel Bandwidth: 5 MHz)_HCH_QPSK_25RB#0

(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

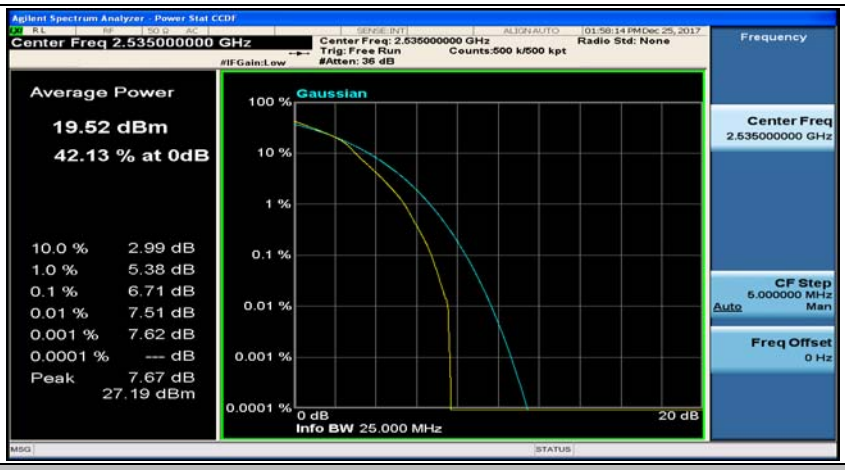
(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#12

(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#24

(Channel Bandwidth: 5 MHz)_MCH_16QAM_12RB#0

(Channel Bandwidth: 5 MHz)_MCH_16QAM_12RB#6

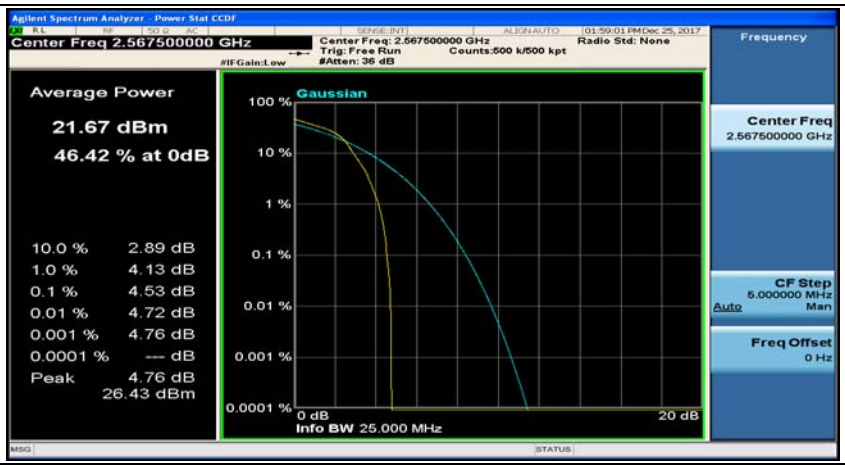
(Channel Bandwidth: 5 MHz)_MCH_16QAM_12RB#13



(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

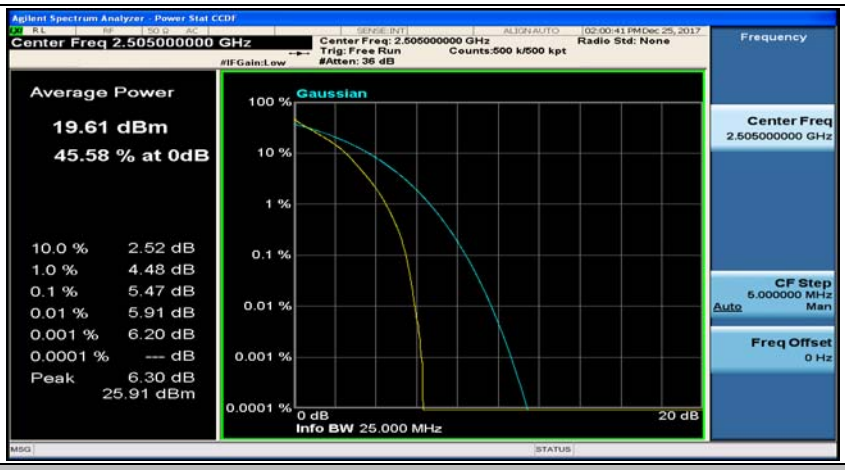
Channel Bandwidth: 10 MHz

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

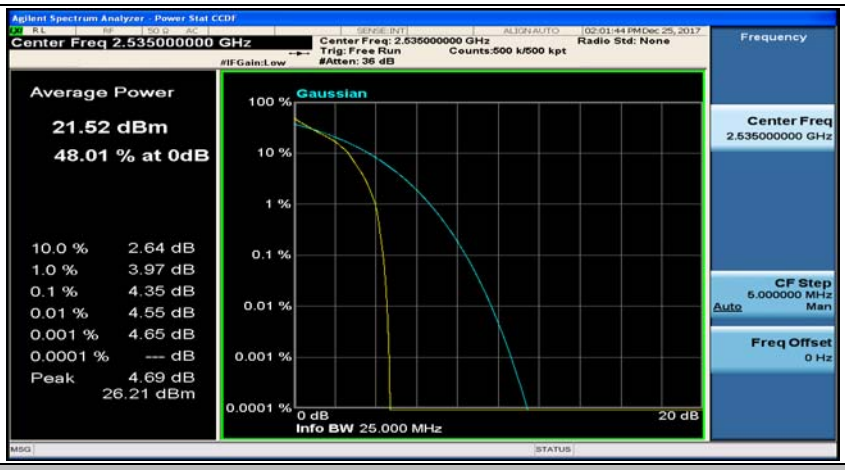
Channel Bandwidth: 10 MHz_LCH_QPSK_25RB#25

Channel Bandwidth: 10 MHz_LCH_QPSK_50RB#0

Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#0

Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#24

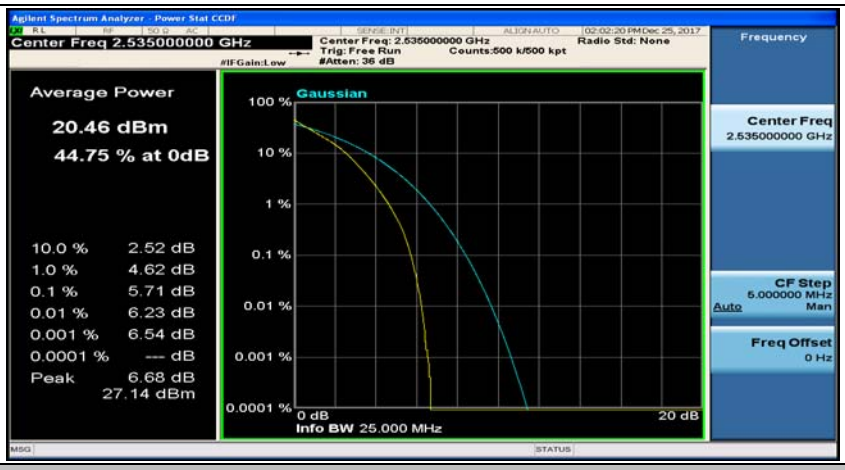
Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#49



Channel Bandwidth: 10 MHz_MCH_QPSK_25RB#0

Channel Bandwidth: 10 MHz_MCH_QPSK_25RB#12

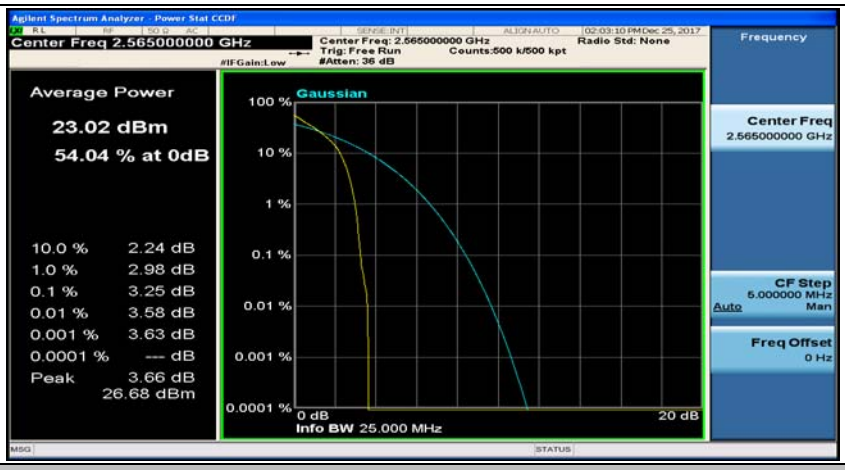
Channel Bandwidth: 10 MHz_MCH_QPSK_25RB#25



Channel Bandwidth: 10 MHz_MCH_QPSK_50RB#0

Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#0

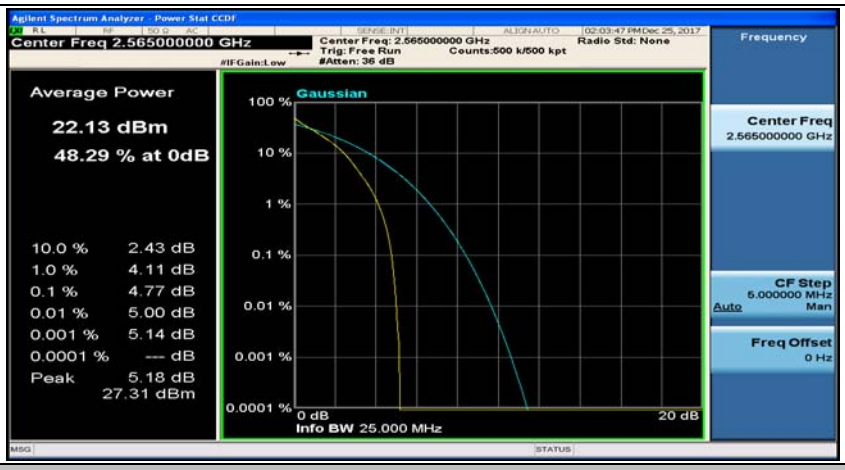
Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#24



Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#49

Channel Bandwidth: 10 MHz_HCH_QPSK_25RB#0

Channel Bandwidth: 10 MHz_HCH_QPSK_25RB#12

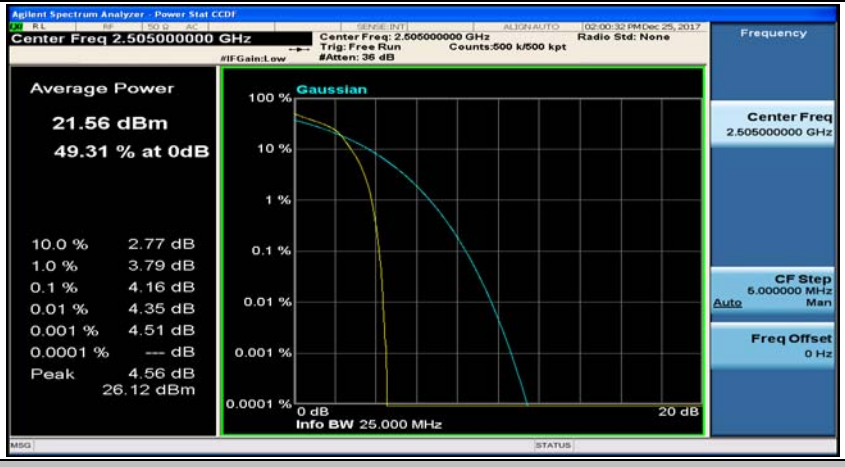


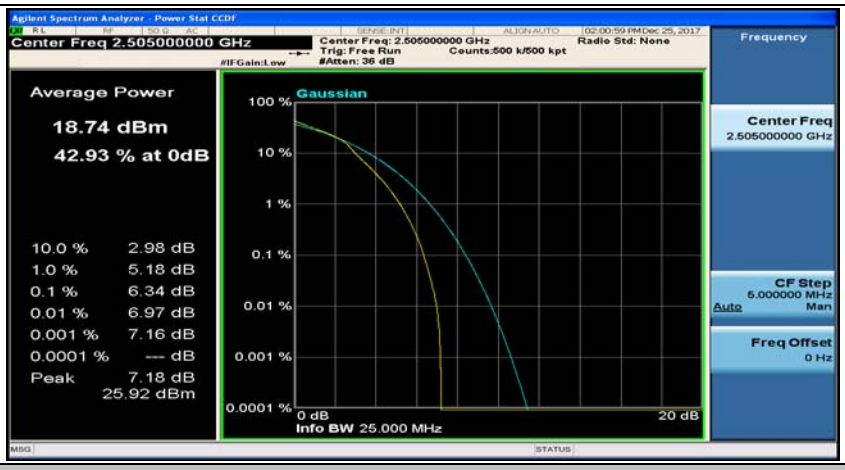
Channel Bandwidth: 10 MHz_HCH_QPSK_25RB#25

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

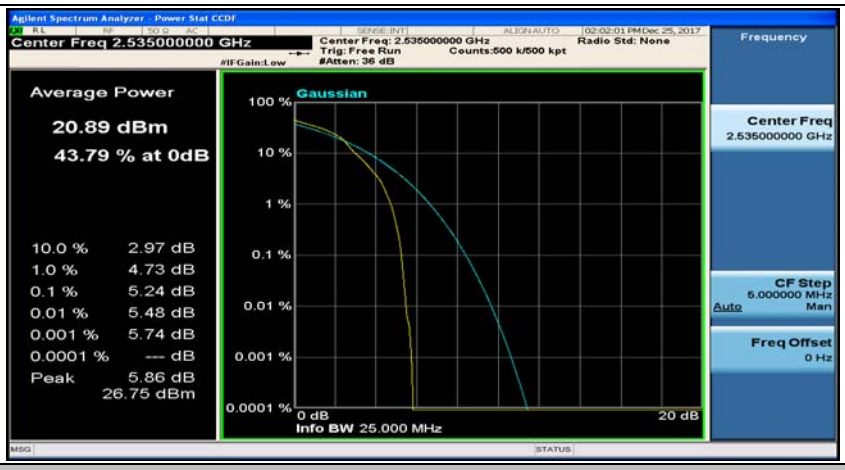
Channel Bandwidth: 10 MHz_LCH_16QAM_25RB#25

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

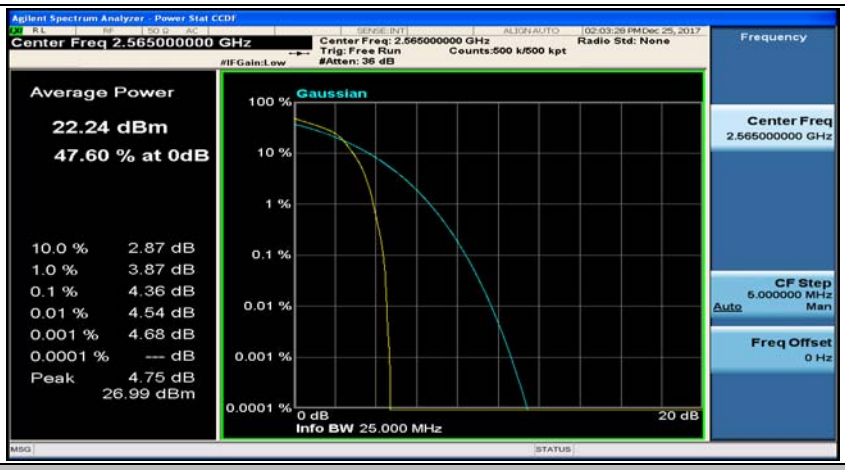
Channel Bandwidth: 10 MHz_MCH_16QAM_25RB#12

Channel Bandwidth: 10 MHz_MCH_16QAM_25RB#25

Channel Bandwidth: 10 MHz_MCH_16QAM_50RB#0

Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#0

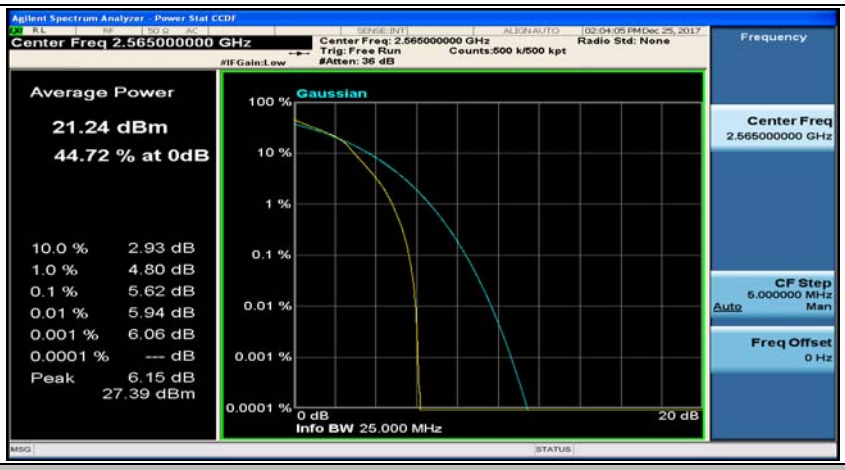
Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#24



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

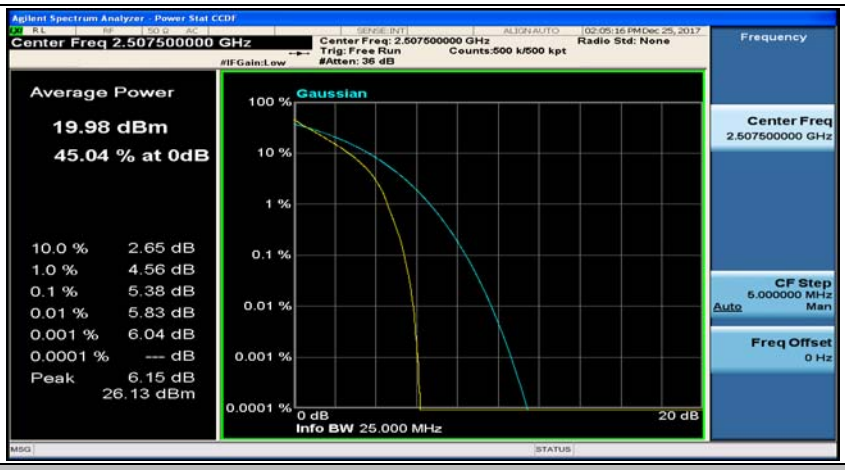
Channel Bandwidth: 15 MHz

(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



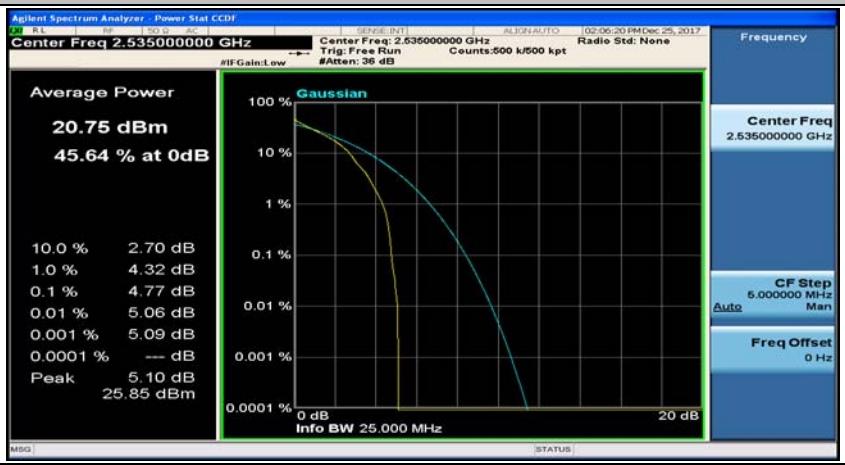
(Channel Bandwidth:15 MHz)_LCH_QPSK_37RB#18

(Channel Bandwidth:15 MHz)_LCH_QPSK_37RB#38

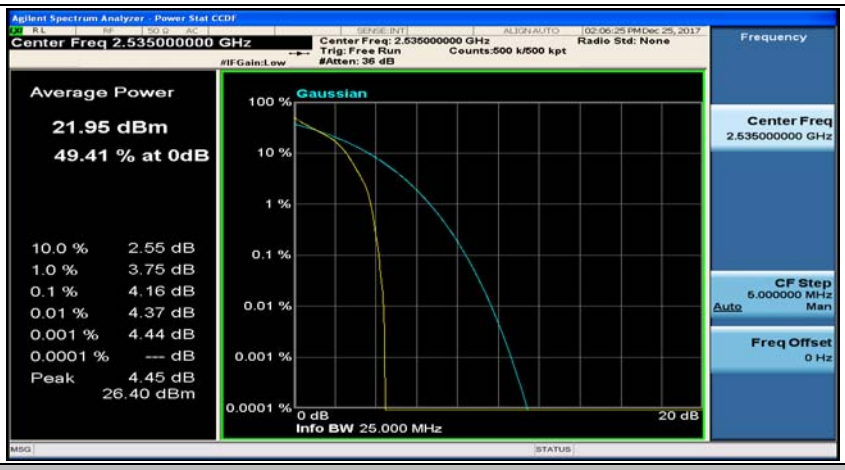
(Channel Bandwidth:15 MHz)_LCH_QPSK_75RB#0

(Channel Bandwidth:15 MHz)_MCH_QPSK_1RB#0

(Channel Bandwidth:15 MHz)_MCH_QPSK_1RB#37



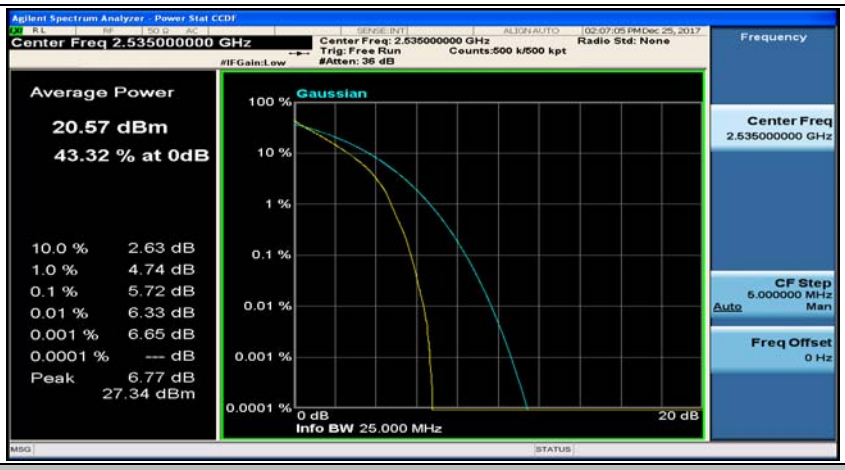
(Channel Bandwidth:15 MHz)_MCH_QPSK_1RB#74



(Channel Bandwidth:15 MHz)_MCH_QPSK_37RB#0

(Channel Bandwidth:15 MHz)_MCH_QPSK_37RB#18

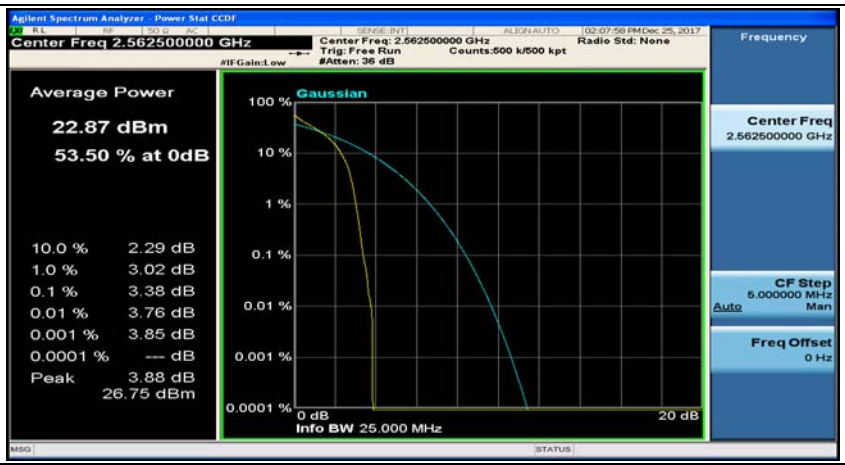
(Channel Bandwidth:15 MHz)_MCH_QPSK_37RB#38



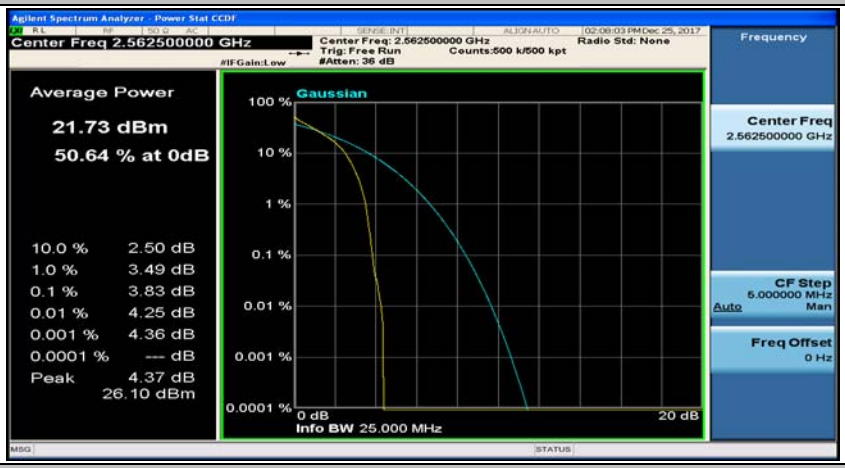
(Channel Bandwidth:15 MHz)_MCH_QPSK_75RB#0

(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

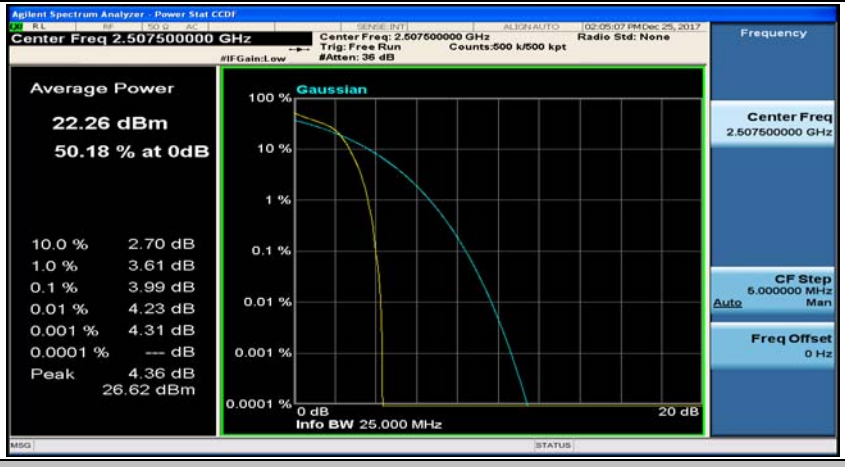
(Channel Bandwidth:15 MHz)_HCH_QPSK_37RB#18

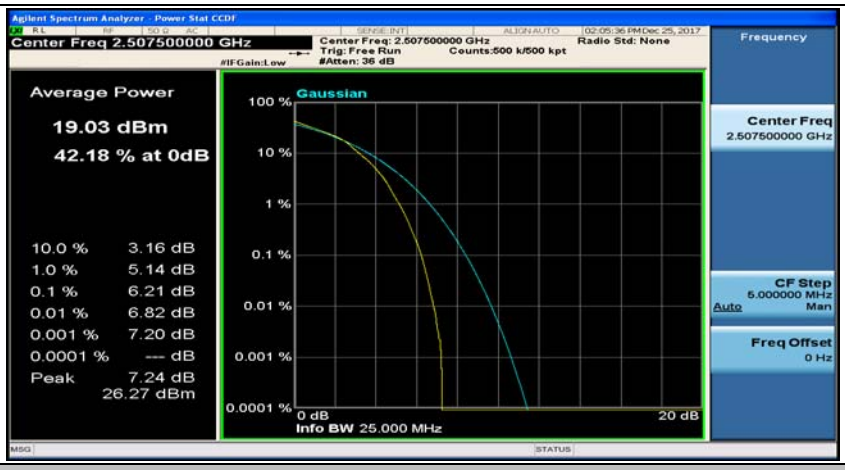
(Channel Bandwidth:15 MHz)_HCH_QPSK_37RB#38

(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

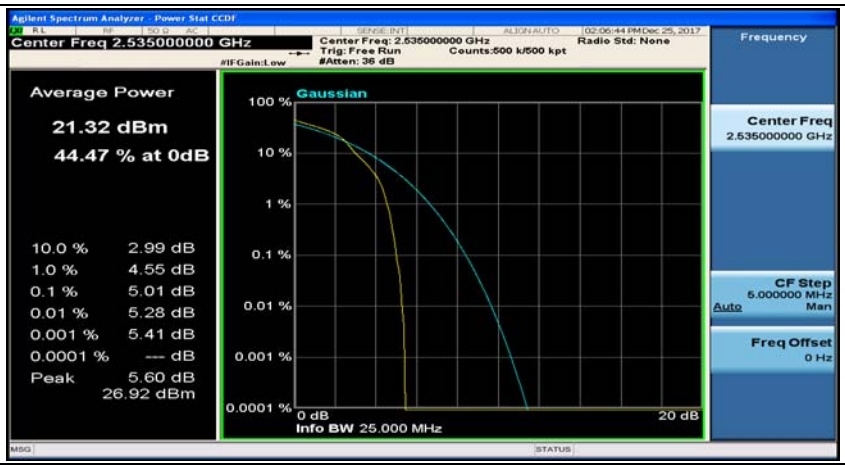
(Channel Bandwidth:15 MHz)_LCH_16QAM_37RB#38

(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