Appendix A: Average Power Output Data

Test Result

Channel Bandwidth: 5 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	22.72	PASS
		1	12	21.81	PASS
		1	24	22.37	PASS
		12	0	20.85	PASS
		12	6	20.69	PASS
		12	13	20.87	PASS
		25	0	20.79	PASS
	MCH	1	0	22.78	PASS
		1	12	22.02	PASS
		1	24	22.92	PASS
		12	0	21.56	PASS
		12	6	21.41	PASS
		12	13	21.66	PASS
		25	0	21.63	PASS
	HCH	1	0	23.27	PASS
		1	12	22.83	PASS
		1	24	22.92	PASS
		12	0	22.29	PASS
		12	6	22.12	PASS
		12	13	22.08	PASS
		25	0	22.25	PASS
16QAM	LCH	1	0	21.69	PASS
		1	12	21.00	PASS
		1	24	21.72	PASS
		12	0	20.09	PASS
		12	6	20.97	PASS
		12	13	20.25	PASS
		25	0	20.02	PASS
	MCH	1	0	22.28	PASS

		1	12	21.60	PASS
		1	24	22.47	PASS
		12	0	20.87	PASS
		12	6	20.75	PASS
		12	13	21.03	PASS
		25	0	20.79	PASS
	HCH	1	0	22.52	PASS
		1	12	21.87	PASS
		1	24	22.02	PASS
		12	0	21.41	PASS
		12	6	21.22	PASS
		12	13	21.26	PASS
		25	0	21.29	PASS

Channel Bandwidth: 10 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	21.57	PASS
		1	24	21.74	PASS
		1	49	22.27	PASS
		25	0	20.73	PASS
		25	12	20.90	PASS
		25	25	21.29	PASS
		50	0	21.00	PASS
	MCH	1	0	22.20	PASS
		1	24	22.16	PASS
		1	49	22.62	PASS
		25	0	21.46	PASS
		25	12	21.49	PASS
		25	25	21.73	PASS
		50	0	21.65	PASS
	HCH	1	0	22.13	PASS
		1	24	22.64	PASS
		1	49	22.28	PASS
		25	0	21.66	PASS
		25	12	21.85	PASS
		25	25	22.03	PASS
		50	0	21.94	PASS
16QAM	LCH	1	0	20.88	PASS
		1	24	21.12	PASS
		1	49	21.70	PASS
		25	0	20.86	PASS

		25	12	20.14	PASS
		25	25	20.44	PASS
		50	0	20.19	PASS
	MCH	1	0	21.64	PASS
		1	24	21.64	PASS
		1	49	22.09	PASS
		25	0	20.64	PASS
		25	12	20.70	PASS
		25	25	20.94	PASS
		50	0	20.79	PASS
	HCH	1	0	21.65	PASS
		1	24	22.09	PASS
		1	49	21.87	PASS
		25	0	20.75	PASS
		25	12	21.01	PASS
		25	25	21.17	PASS
		50	0	21.10	PASS

Channel Bandwidth: 15 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	21.57	PASS
		1	37	22.04	PASS
		1	74	23.29	PASS
		37	0	20.81	PASS
		37	18	21.21	PASS
		37	38	21.98	PASS
		75	0	21.40	PASS
	MCH	1	0	22.30	PASS
		1	37	22.07	PASS
		1	74	22.87	PASS
		37	0	21.41	PASS
		37	18	21.45	PASS
		37	38	21.77	PASS
		75	0	21.64	PASS
	HCH	1	0	22.02	PASS
		1	37	22.08	PASS
		1	74	22.35	PASS
		37	0	21.20	PASS
		37	18	21.39	PASS
		37	38	21.76	PASS
		75	0	21.64	PASS

16QAM	LCH	1	0	20.91	PASS
		1	37	21.43	PASS
		1	74	22.79	PASS
		37	0	20.02	PASS
		37	18	20.44	PASS
		37	38	21.14	PASS
		75	0	20.59	PASS
	MCH	1	0	21.72	PASS
		1	37	21.52	PASS
		1	74	22.38	PASS
		37	0	20.60	PASS
		37	18	20.67	PASS
		37	38	21.00	PASS
		75	0	20.81	PASS
	HCH	1	0	21.51	PASS
		1	37	21.47	PASS
		1	74	21.79	PASS
		37	0	20.44	PASS
		37	18	20.57	PASS
		37	38	20.90	PASS
		75	0	20.75	PASS

Channel Bandwidth: 20 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	21.54	PASS
		1	49	22.58	PASS
		1	99	23.39	PASS
		50	0	21.93	PASS
		50	25	22.12	PASS
		50	50	22.71	PASS
		100	0	21.72	PASS
	MCH	1	0	22.58	PASS
		1	49	22.10	PASS
		1	99	22.93	PASS
		50	0	21.30	PASS
		50	25	21.38	PASS
		50	50	21.80	PASS
		100	0	21.62	PASS
	HCH	1	0	22.24	PASS
		1	49	21.98	PASS
		1	99	22.30	PASS

		50	0	21.13	PASS
		50	25	21.14	PASS
		50	50	21.53	PASS
		100	0	21.45	PASS
16QAM	LCH	1	0	20.73	PASS
		1	49	21.83	PASS
		1	99	22.72	PASS
		50	0	20.00	PASS
		50	25	20.81	PASS
		50	50	21.57	PASS
		100	0	20.83	PASS
	MCH	1	0	21.85	PASS
		1	49	21.43	PASS
		1	99	22.33	PASS
		50	0	20.46	PASS
		50	25	20.56	PASS
		50	50	20.96	PASS
		100	0	20.72	PASS
	HCH	1	0	21.74	PASS
		1	49	21.42	PASS
		1	99	21.77	PASS
		50	0	20.36	PASS
		50	25	20.37	PASS
		50	50	20.69	PASS
		100	0	20.62	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	3.45	<13	PASS
		1	12	3.95	<13	PASS
		1	24	3.55	<13	PASS
		12	0	5.09	<13	PASS
		12	6	5.23	<13	PASS
		12	13	5.15	<13	PASS
		25	0	5.19	<13	PASS
	MCH	1	0	3.71	<13	PASS
		1	12	4.19	<13	PASS
		1	24	3.69	<13	PASS
		12	0	5.3	<13	PASS
		12	6	5.35	<13	PASS
		12	13	5.21	<13	PASS
		25	0	5.26	<13	PASS
	HCH	1	0	2.89	<13	PASS
		1	12	3.38	<13	PASS
		1	24	3.29	<13	PASS
		12	0	4.44	<13	PASS
		12	6	4.5	<13	PASS
		12	13	4.5	<13	PASS
		25	0	4.51	<13	PASS
16QAM	LCH	1	0	4.35	<13	PASS
		1	12	4.86	<13	PASS
		1	24	4.55	<13	PASS
		12	0	5.94	<13	PASS
		12	6	6.04	<13	PASS
		12	13	5.87	<13	PASS
		25	0	6	<13	PASS

	MCH	1	0	4.5	<13	PASS
		1	12	4.85	<13	PASS
		1	24	4.59	<13	PASS
		12	0	6.18	<13	PASS
		12	6	6.26	<13	PASS
		12	13	6.08	<13	PASS
		25	0	6.14	<13	PASS
	HCH	1	0	3.91	<13	PASS
		1	12	4.32	<13	PASS
		1	24	4.26	<13	PASS
		12	0	5.33	<13	PASS
		12	6	5.37	<13	PASS
		12	13	5.29	<13	PASS
		25	0	5.43	<13	PASS

Channel Bandwidth: 10 MHz

Channel Bandwidth: 10 MHz						
Modulation	Channel	RB Configuration		Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
		Size	Offset			
QPSK	LCH	1	0	3.76	<13	PASS
		1	24	3.81	<13	PASS
		1	49	3.6	<13	PASS
		25	0	5.15	<13	PASS
		25	12	5.15	<13	PASS
		25	25	4.93	<13	PASS
		50	0	5.14	<13	PASS
	MCH	1	0	4.1	<13	PASS
		1	24	4.12	<13	PASS
		1	49	3.87	<13	PASS
		25	0	5.33	<13	PASS
		25	12	5.35	<13	PASS
		25	25	5.18	<13	PASS
		50	0	5.3	<13	PASS
	HCH	1	0	3.54	<13	PASS
		1	24	3.42	<13	PASS
		1	49	3.55	<13	PASS
		25	0	4.88	<13	PASS
		25	12	4.77	<13	PASS
		25	25	4.59	<13	PASS
		50	0	4.78	<13	PASS
16QAM	LCH	1	0	4.75	<13	PASS

		1	24	4.78	<13	PASS
		1	49	4.49	<13	PASS
		25	0	6.09	<13	PASS
		25	12	5.98	<13	PASS
		25	25	5.83	<13	PASS
		50	0	5.97	<13	PASS
	MCH	1	0	5.08	<13	PASS
		1	24	4.97	<13	PASS
		1	49	4.78	<13	PASS
		25	0	6.14	<13	PASS
		25	12	6.15	<13	PASS
		25	25	6.04	<13	PASS
		50	0	6.11	<13	PASS
	HCH	1	0	4.62	<13	PASS
		1	24	4.52	<13	PASS
		1	49	4.47	<13	PASS
		25	0	5.86	<13	PASS
		25	12	5.63	<13	PASS
		25	25	5.44	<13	PASS
		50	0	5.66	<13	PASS

Channel Bandwidth: 15 MHz

Channel Bandwidth: 15 MHz						
Modulation	Channel	RB Configuration		Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
		Size	Offset			
QPSK	LCH	1	0	3.69	<13	PASS
		1	37	3.63	<13	PASS
		1	74	3.06	<13	PASS
		37	0	5.17	<13	PASS
		37	18	5.01	<13	PASS
		37	38	4.66	<13	PASS
		75	0	5.32	<13	PASS
	MCH	1	0	3.92	<13	PASS
		1	37	4.12	<13	PASS
		1	74	3.7	<13	PASS
		37	0	5.33	<13	PASS
		37	18	5.31	<13	PASS
		37	38	5.15	<13	PASS
		75	0	5.56	<13	PASS
	HCH	1	0	3.46	<13	PASS
		1	37	3.53	<13	PASS

		1	74	3.56	<13	PASS
		37	0	5.08	<13	PASS
		37	18	5	<13	PASS
		37	38	4.73	<13	PASS
		75	0	5.27	<13	PASS
16QAM	LCH	1	0	4.63	<13	PASS
		1	37	4.5	<13	PASS
		1	74	3.85	<13	PASS
		37	0	5.96	<13	PASS
		37	18	5.81	<13	PASS
		37	38	5.5	<13	PASS
		75	0	6.02	<13	PASS
	MCH	1	0	4.92	<13	PASS
		1	37	5.07	<13	PASS
		1	74	4.48	<13	PASS
		37	0	6.14	<13	PASS
		37	18	6.09	<13	PASS
		37	38	5.94	<13	PASS
		75	0	6.24	<13	PASS
	HCH	1	0	4.43	<13	PASS
		1	37	4.57	<13	PASS
		1	74	4.43	<13	PASS
		37	0	5.98	<13	PASS
		37	18	5.87	<13	PASS
		37	38	5.63	<13	PASS
		75	0	5.97	<13	PASS

Channel Bandwidth: 20 MHz

Channel Bandwidth: 20 MHz						
Modulation	Channel	RB Configuration		Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
		Size	Offset			
QPSK	LCH	1	0	3.81	<13	PASS
		1	49	3.41	<13	PASS
		1	99	3.11	<13	PASS
		50	0	5.17	<13	PASS
		50	25	4.8	<13	PASS
		50	50	4.55	<13	PASS
		100	0	5.15	<13	PASS
	MCH	1	0	3.67	<13	PASS
		1	49	4.03	<13	PASS
		1	99	3.54	<13	PASS

		50	0	5.38	<13	PASS
		50	25	5.37	<13	PASS
		50	50	5.2	<13	PASS
		100	0	5.45	<13	PASS
	HCH	1	0	3.74	<13	PASS
		1	49	3.75	<13	PASS
		1	99	3.59	<13	PASS
		50	0	5.2	<13	PASS
		50	25	5.18	<13	PASS
		50	50	4.98	<13	PASS
		100	0	5.35	<13	PASS
16QAM	LCH	1	0	4.63	<13	PASS
		1	49	4.26	<13	PASS
		1	99	4.21	<13	PASS
		50	0	6.02	<13	PASS
		50	25	5.63	<13	PASS
		50	50	5.35	<13	PASS
		100	0	5.92	<13	PASS
	MCH	1	0	4.75	<13	PASS
		1	49	4.93	<13	PASS
		1	99	4.56	<13	PASS
		50	0	6.19	<13	PASS
		50	25	6.16	<13	PASS
		50	50	5.98	<13	PASS
		100	0	6.2	<13	PASS
	HCH	1	0	4.38	<13	PASS
		1	49	4.48	<13	PASS
		1	99	4.37	<13	PASS
		50	0	6.02	<13	PASS
		50	25	5.93	<13	PASS
		50	50	5.81	<13	PASS
		100	0	6.11	<13	PASS

Test Graphs

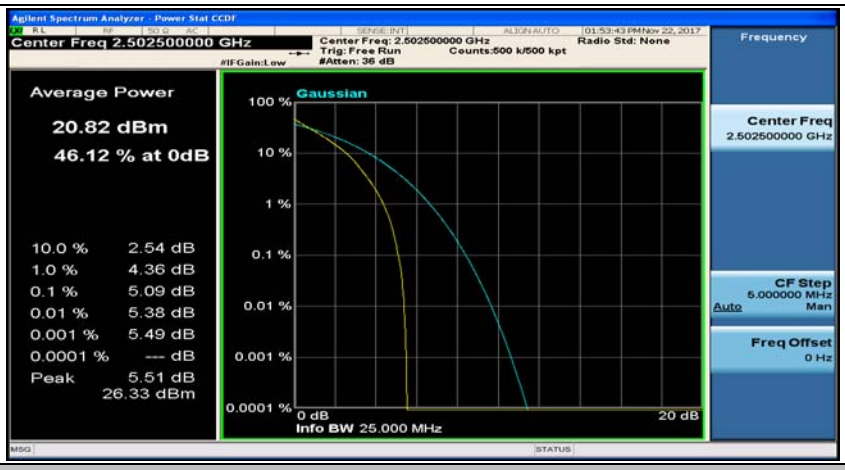
Channel Bandwidth: 5 MHz

(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

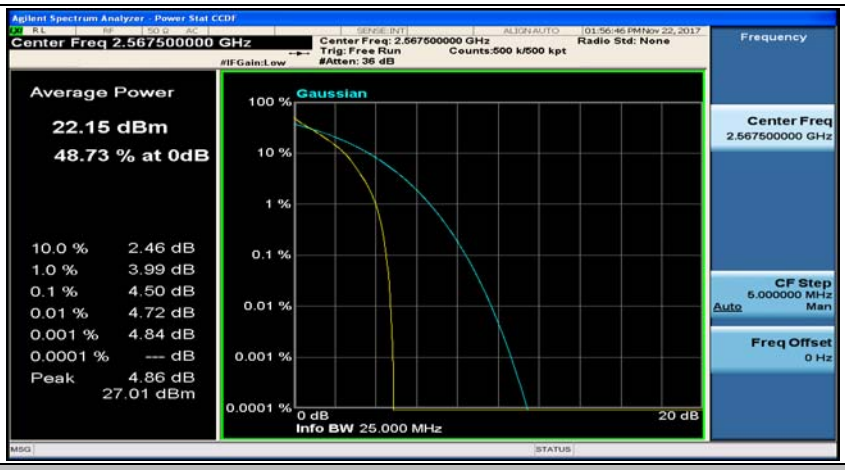
(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#0

(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#12

(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#24

(Channel Bandwidth: 5 MHz)_HCH_QPSK_12RB#0

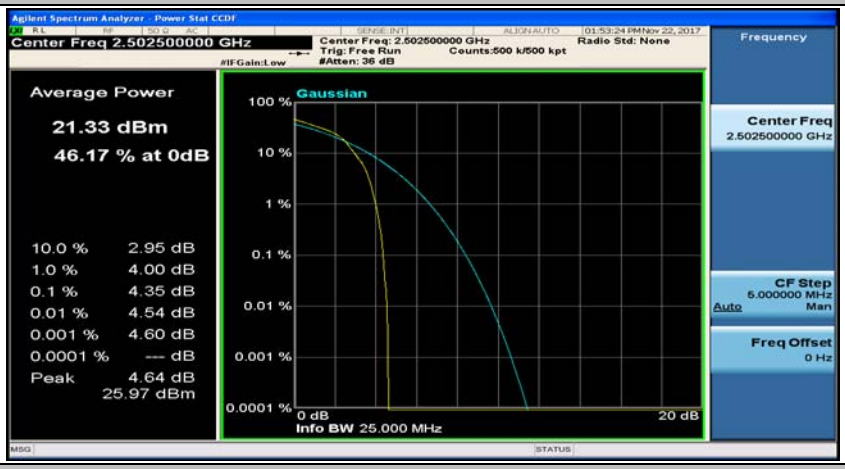
(Channel Bandwidth: 5 MHz)_HCH_QPSK_12RB#6



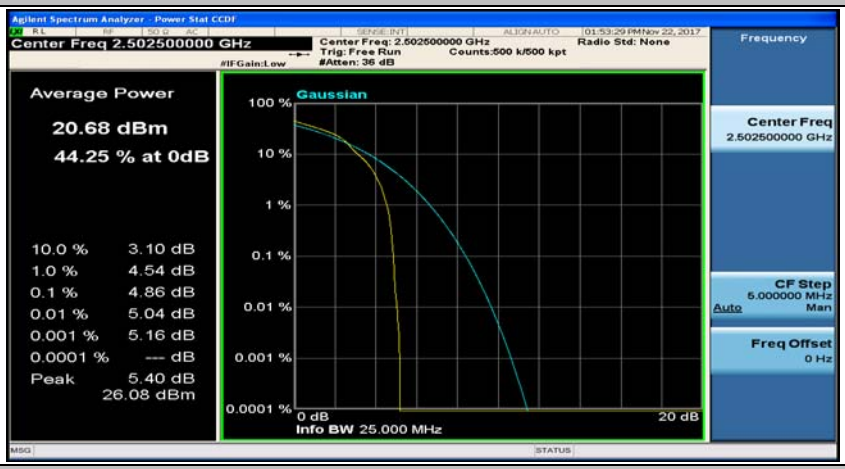
(Channel Bandwidth: 5 MHz)_HCH_QPSK_12RB#13

(Channel Bandwidth: 5 MHz)_HCH_QPSK_25RB#0

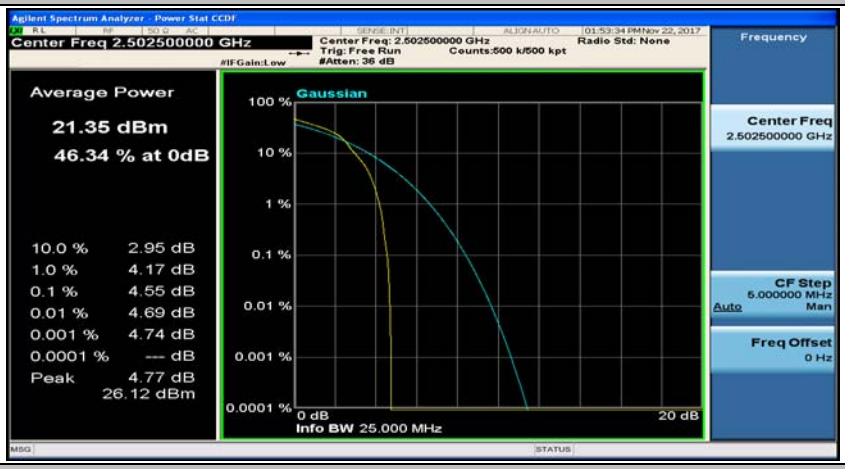
(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#0



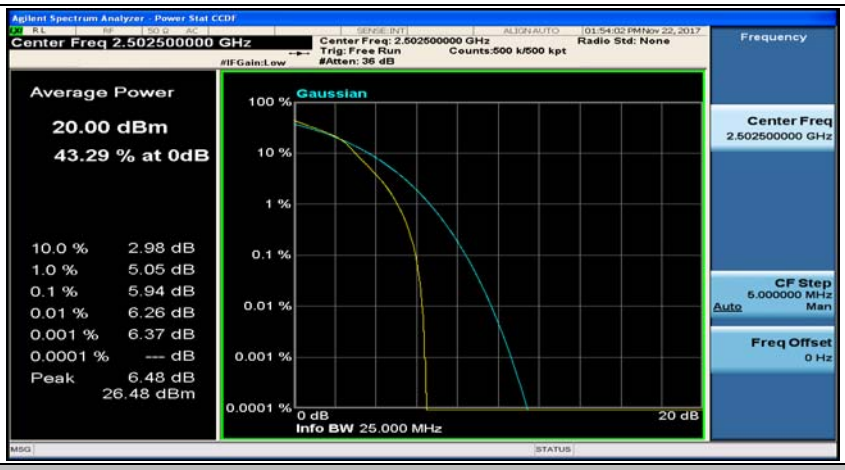
(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#12



(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#24



(Channel Bandwidth: 5 MHz)_LCH_16QAM_12RB#0



(Channel Bandwidth: 5 MHz)_LCH_16QAM_12RB#6

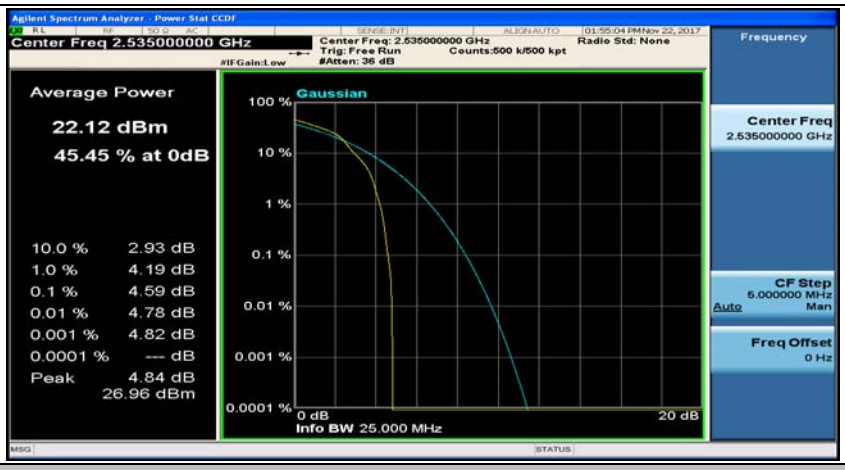
(Channel Bandwidth: 5 MHz)_LCH_16QAM_12RB#13

(Channel Bandwidth: 5 MHz)_LCH_16QAM_25RB#0

(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#0

(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#12

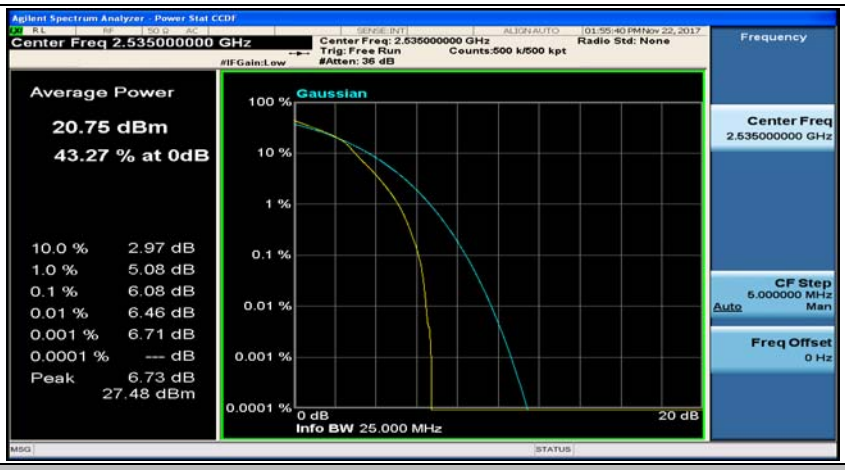
(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#24



(Channel Bandwidth: 5 MHz)_MCH_16QAM_12RB#0

(Channel Bandwidth: 5 MHz)_MCH_16QAM_12RB#6

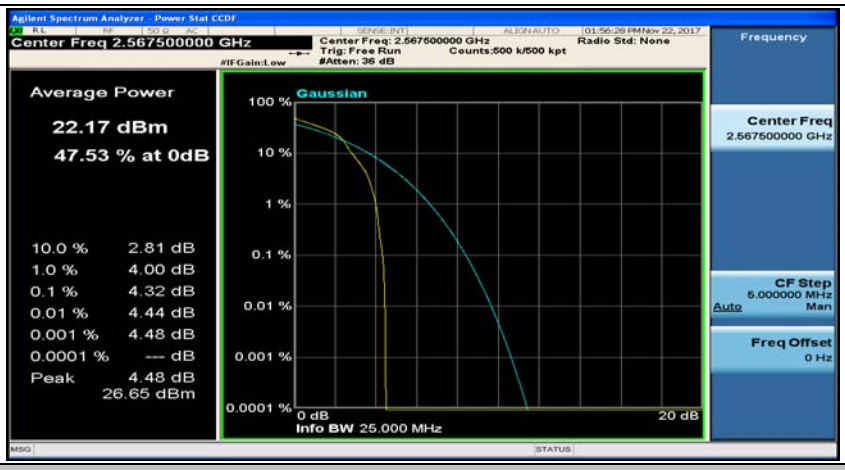
(Channel Bandwidth: 5 MHz)_MCH_16QAM_12RB#13



(Channel Bandwidth: 5 MHz)_MCH_16QAM_25RB#0

(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#0

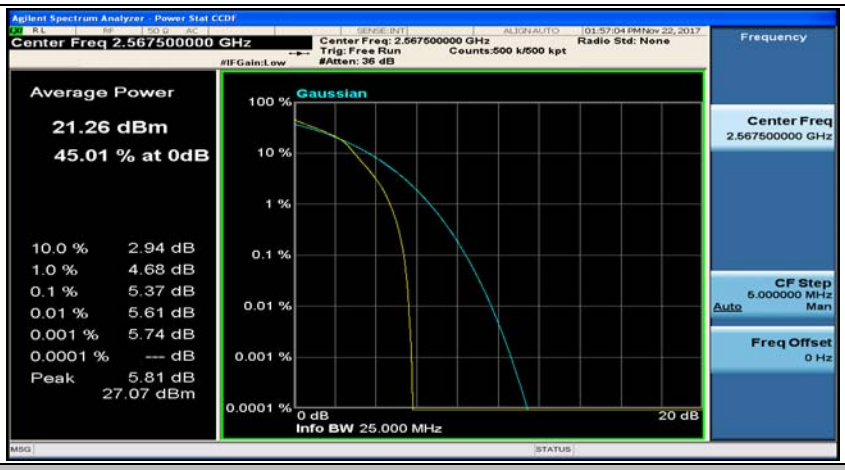
(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#12



(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#24

(Channel Bandwidth: 5 MHz)_HCH_16QAM_12RB#0

(Channel Bandwidth: 5 MHz)_HCH_16QAM_12RB#6

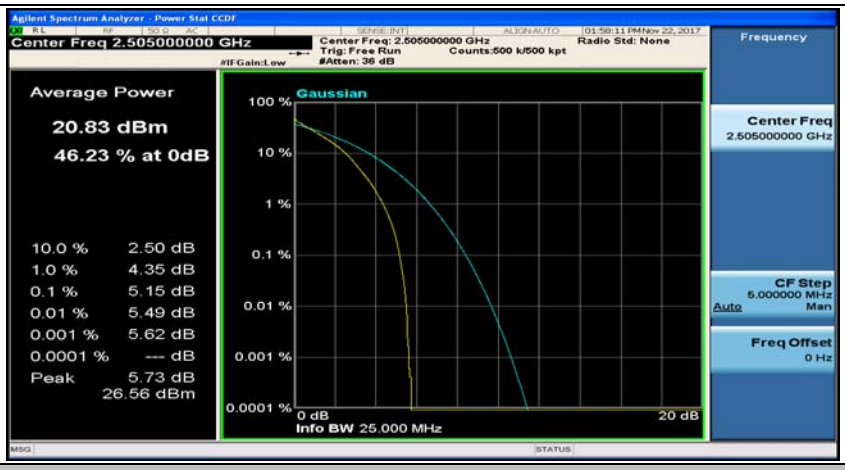


(Channel Bandwidth: 5 MHz)_HCH_16QAM_12RB#13

(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

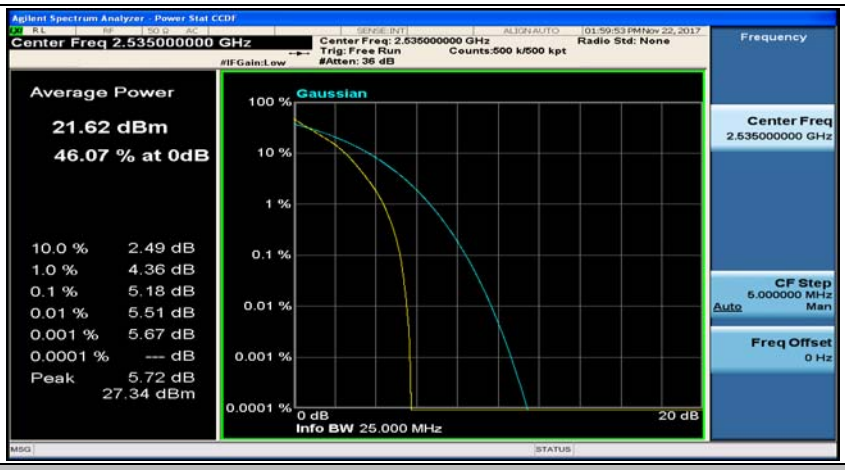
Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#24

Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#49

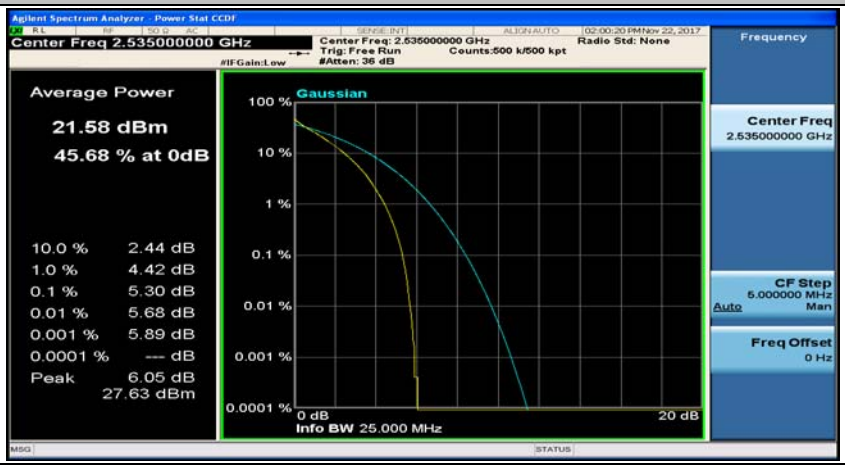
Channel Bandwidth: 10 MHz_MCH_QPSK_25RB#0

Channel Bandwidth: 10 MHz_MCH_QPSK_25RB#12

Channel Bandwidth: 10 MHz_MCH_QPSK_25RB#25

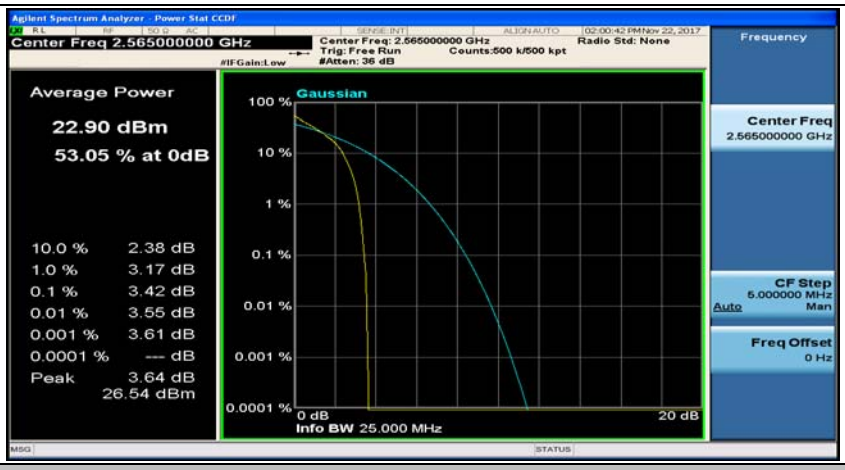


Channel Bandwidth: 10 MHz_MCH_QPSK_50RB#0



Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#0

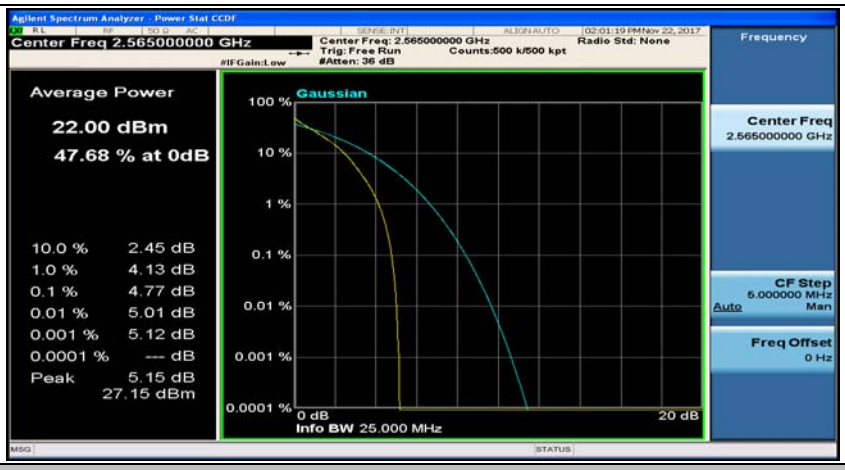
Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#24



Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#49

Channel Bandwidth: 10 MHz_HCH_QPSK_25RB#0

Channel Bandwidth: 10 MHz_HCH_QPSK_25RB#12

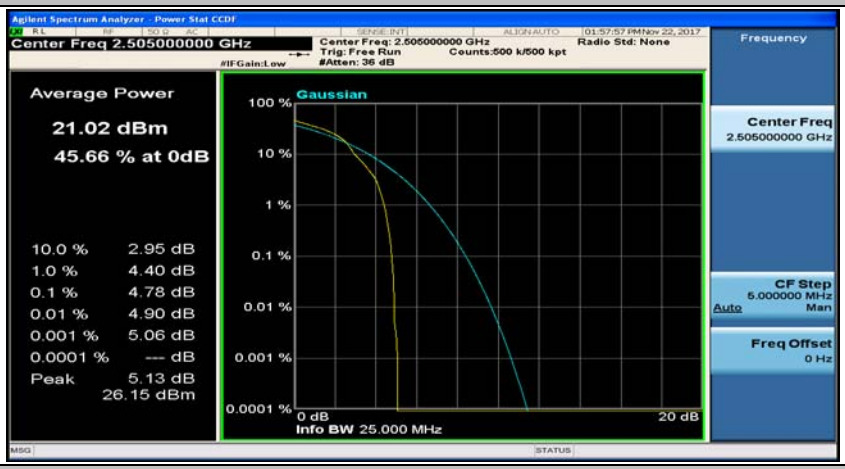


Channel Bandwidth: 10 MHz_HCH_QPSK_25RB#25

Channel Bandwidth: 10 MHz_HCH_QPSK_50RB#0

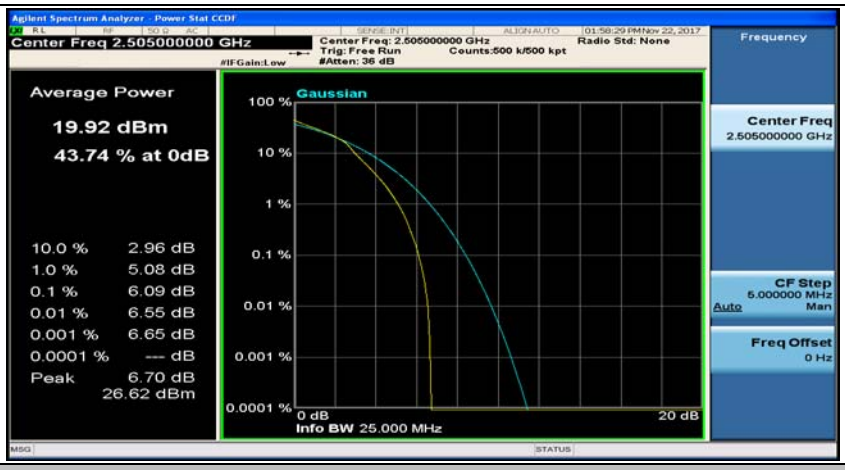
Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#0

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

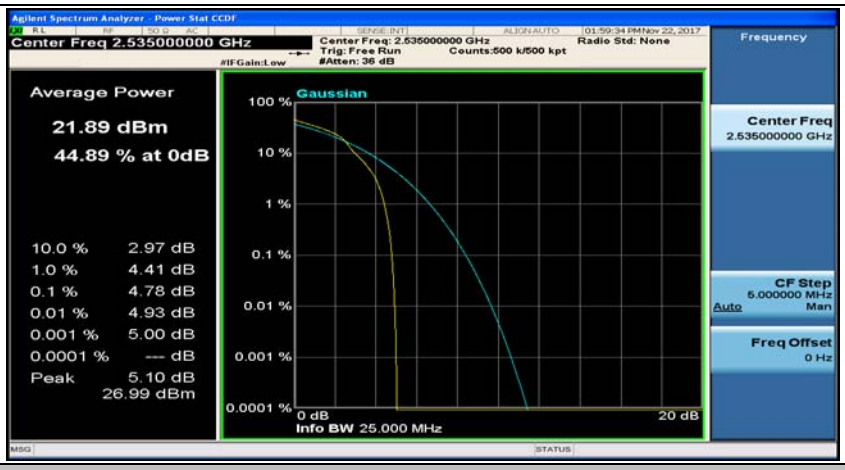
Channel Bandwidth: 10 MHz_LCH_16QAM_25RB#25

Channel Bandwidth: 10 MHz_LCH_16QAM_50RB#0

Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#0

Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#24

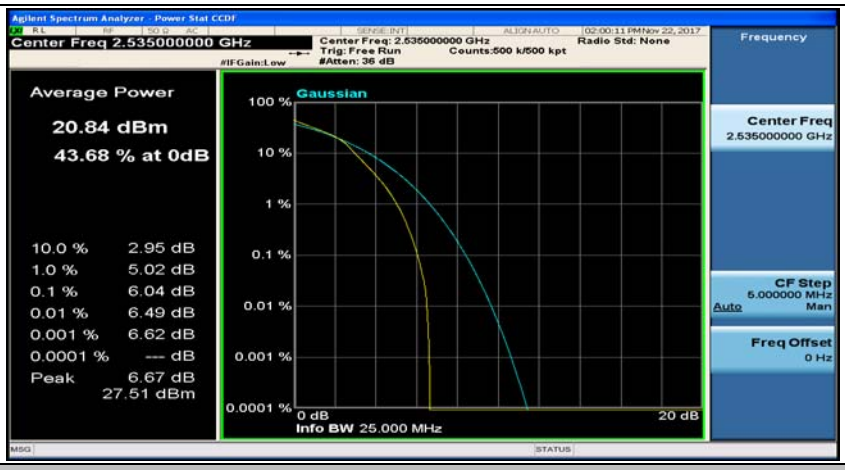
Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#49



Channel Bandwidth: 10 MHz_MCH_16QAM_25RB#0

Channel Bandwidth: 10 MHz_MCH_16QAM_25RB#12

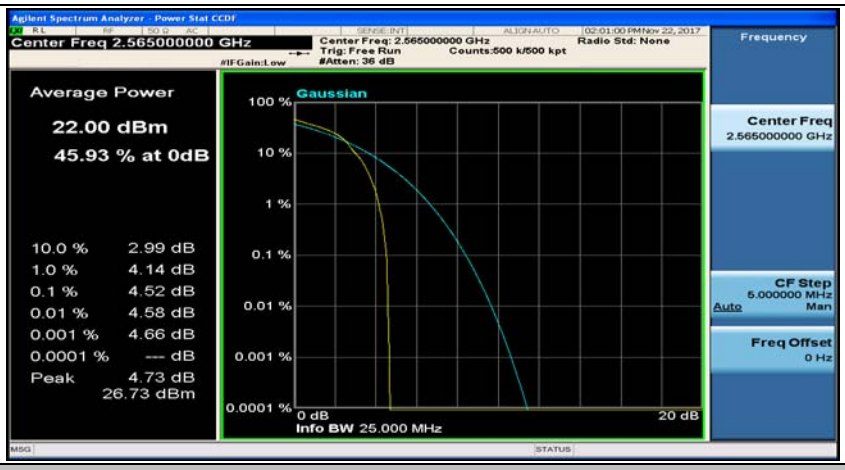
Channel Bandwidth: 10 MHz_MCH_16QAM_25RB#25



Channel Bandwidth: 10 MHz_MCH_16QAM_50RB#0

Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#0

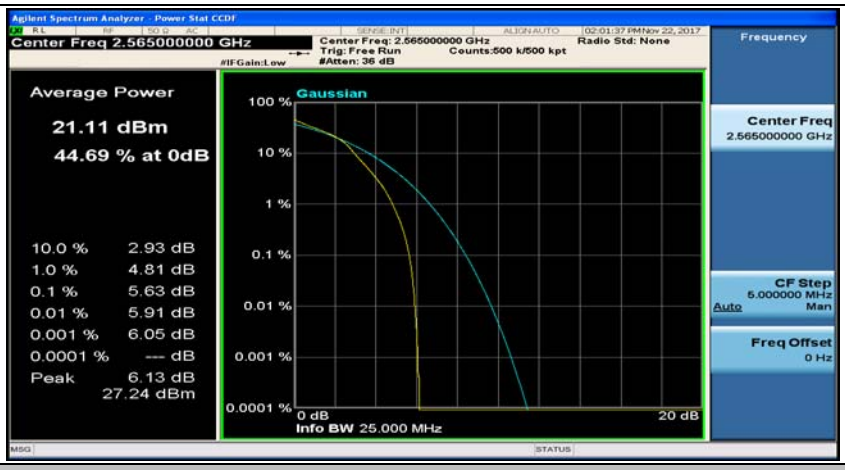
Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#24



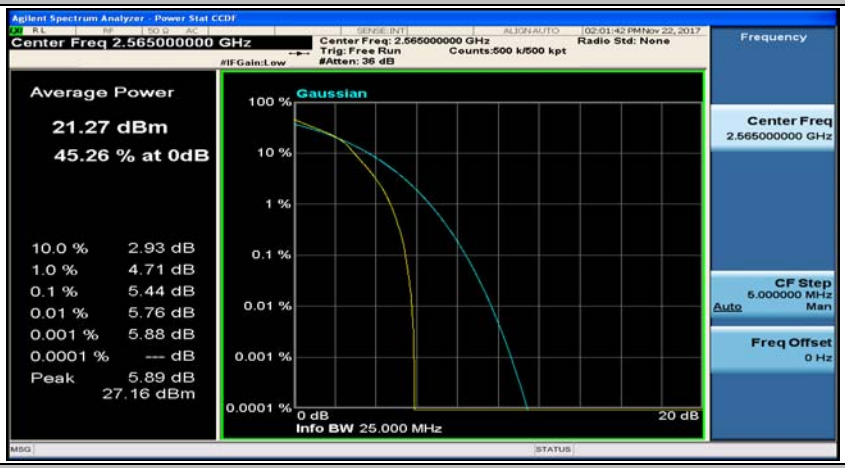
Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#49

Channel Bandwidth: 10 MHz_HCH_16QAM_25RB#0

Channel Bandwidth: 10 MHz_HCH_16QAM_25RB#12



Channel Bandwidth: 10 MHz_HCH_16QAM_25RB#25

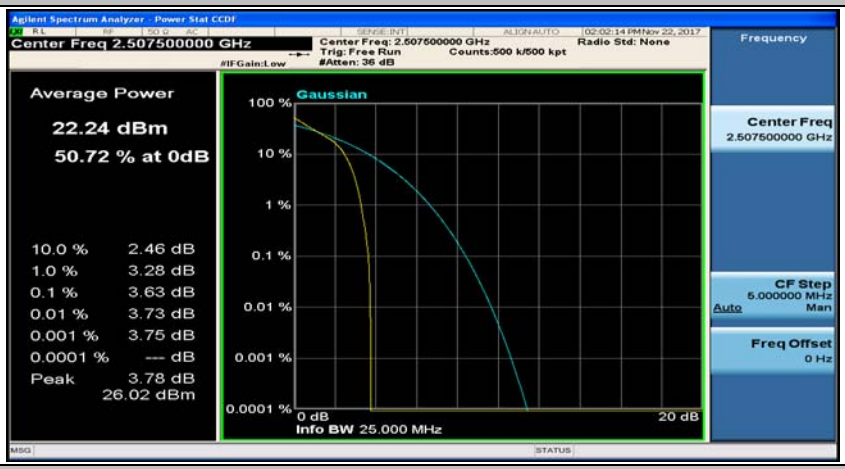


Channel Bandwidth: 10 MHz_HCH_16QAM_50RB#0

Channel Bandwidth: 15 MHz

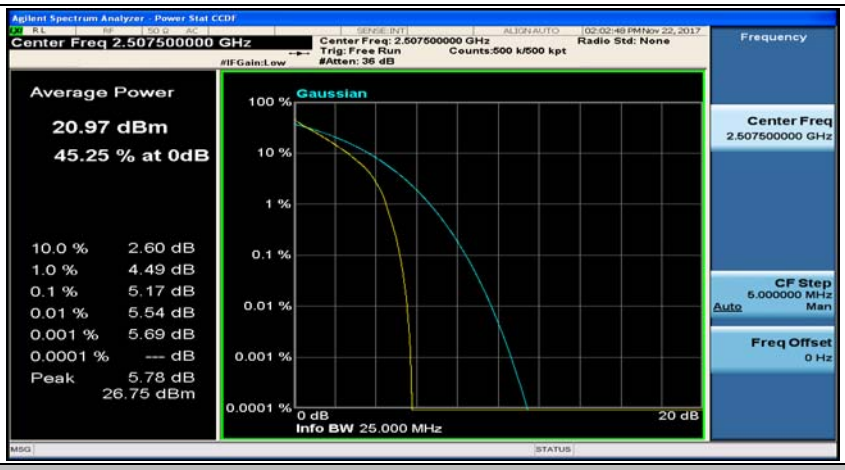
(Channel Bandwidth:15 MHz)_LCH_QPSK_1RB#0

(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

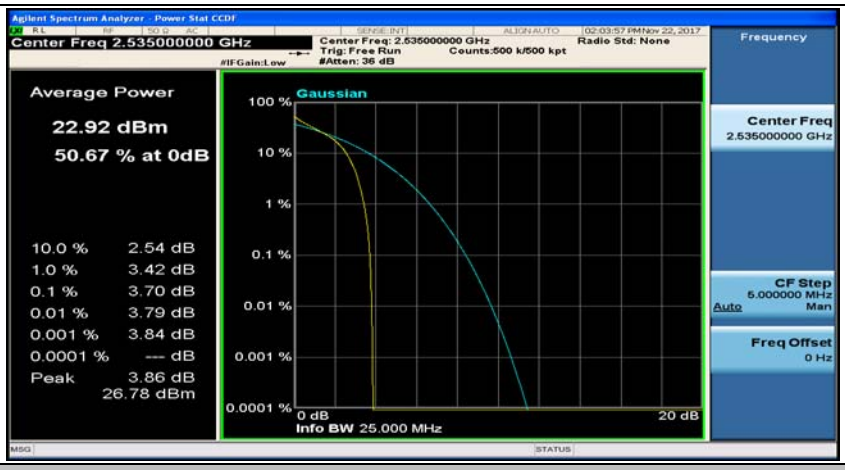
(Channel Bandwidth:15 MHz)_LCH_QPSK_37RB#38

(Channel Bandwidth:15 MHz)_LCH_QPSK_75RB#0

(Channel Bandwidth:15 MHz)_MCH_QPSK_1RB#0

(Channel Bandwidth:15 MHz)_MCH_QPSK_1RB#37

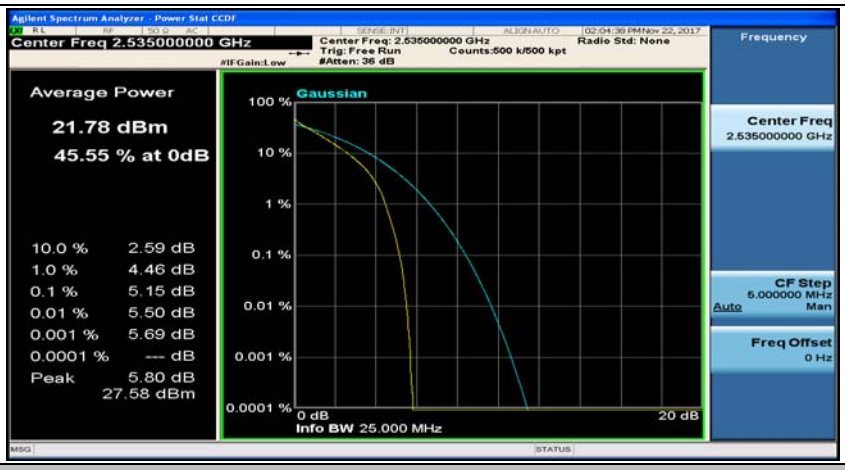
(Channel Bandwidth:15 MHz)_MCH_QPSK_1RB#74



(Channel Bandwidth:15 MHz)_MCH_QPSK_37RB#0

(Channel Bandwidth:15 MHz)_MCH_QPSK_37RB#18

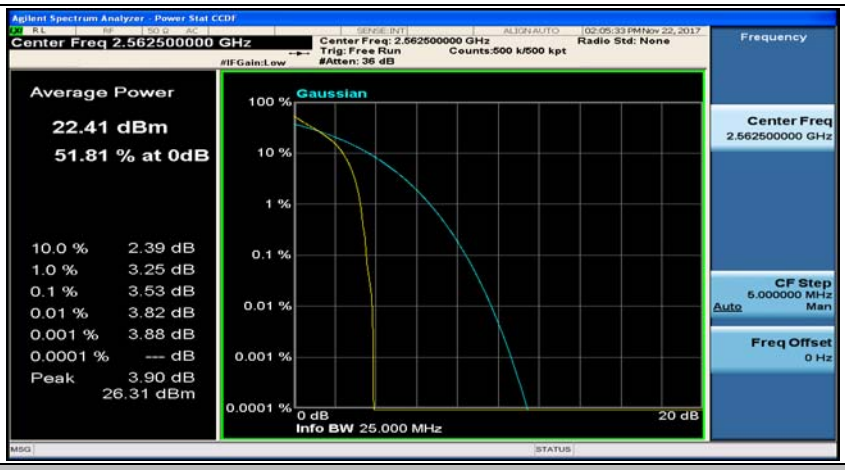
(Channel Bandwidth:15 MHz)_MCH_QPSK_37RB#38



(Channel Bandwidth:15 MHz)_MCH_QPSK_75RB#0

(Channel Bandwidth:15 MHz)_HCH_QPSK_1RB#0

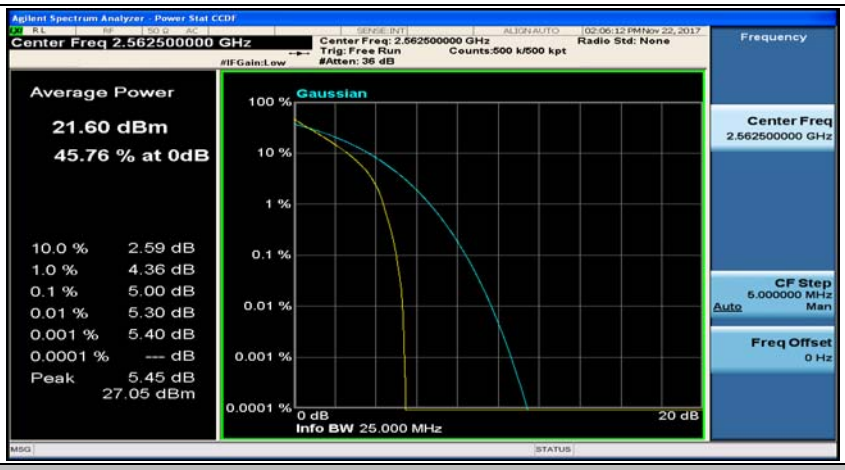
(Channel Bandwidth:15 MHz)_HCH_QPSK_1RB#37



(Channel Bandwidth:15 MHz)_HCH_QPSK_1RB#74

(Channel Bandwidth:15 MHz)_HCH_QPSK_37RB#0

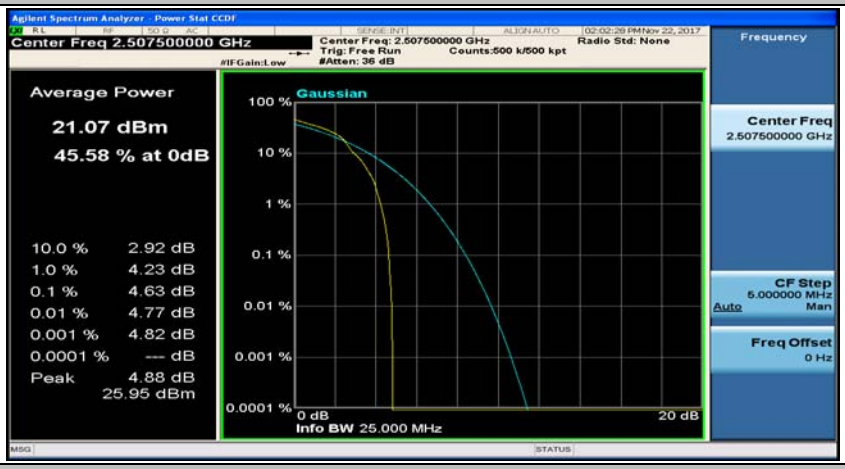
(Channel Bandwidth:15 MHz)_HCH_QPSK_37RB#18



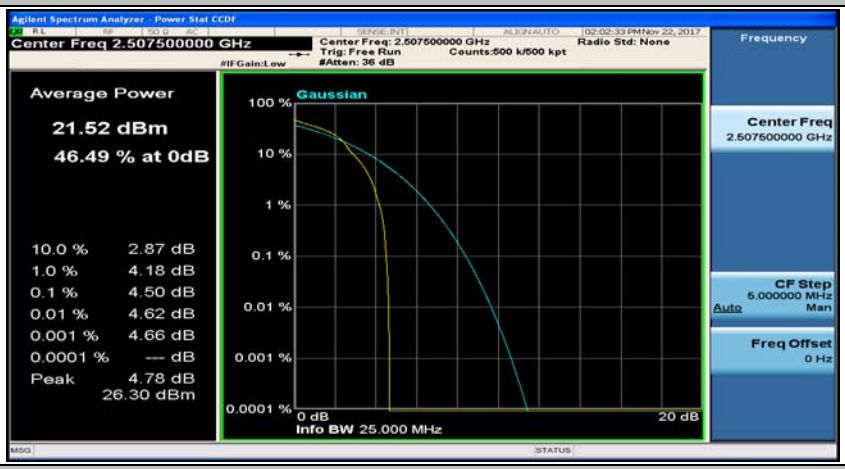
(Channel Bandwidth:15 MHz)_HCH_QPSK_37RB#38

(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

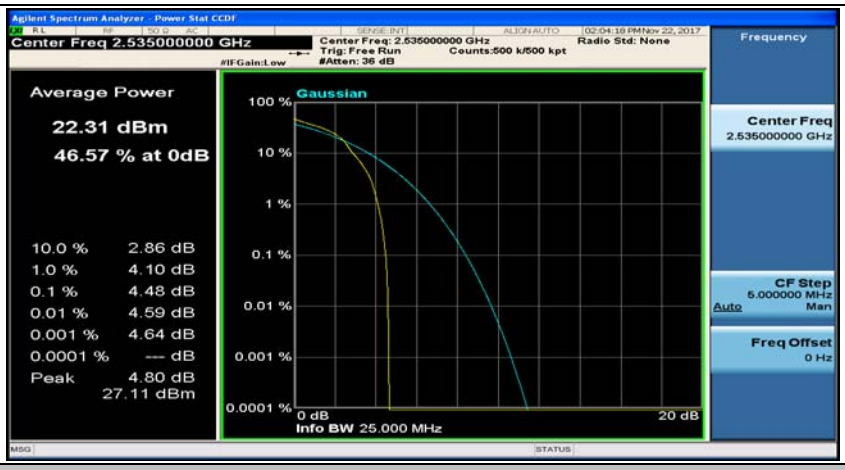
(Channel Bandwidth:15 MHz)_LCH_16QAM_37RB#38

(Channel Bandwidth:15 MHz)_LCH_16QAM_75RB#0

(Channel Bandwidth:15 MHz)_MCH_16QAM_1RB#0

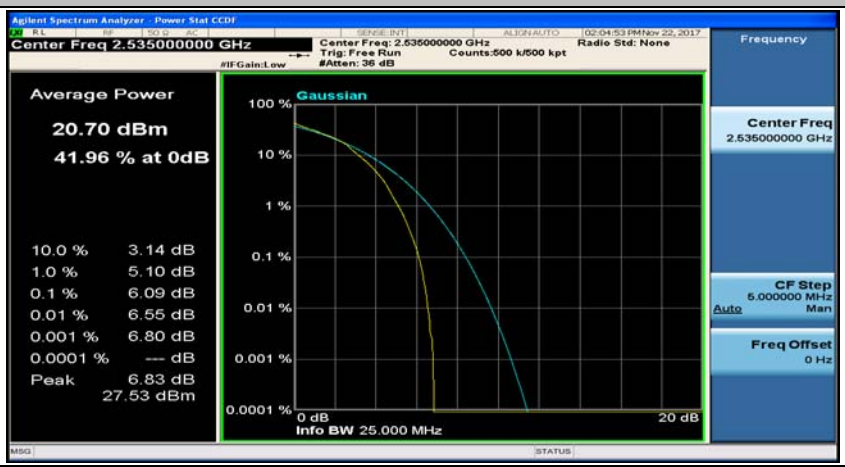
(Channel Bandwidth:15 MHz)_MCH_16QAM_1RB#37

(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