Appendix for Band 7

Appendix A: Average Power Output Data

Test Result

Channel Bandwidth: 5 MHz

Channel Bandwidth: 5 MHz					
Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	22.42	PASS
		1	12	22.03	PASS
		1	24	21.93	PASS
		12	0	21.84	PASS
		12	6	21.89	PASS
		12	13	21.84	PASS
		25	0	21.92	PASS
	MCH	1	0	21.64	PASS
		1	12	21.66	PASS
		1	24	21.74	PASS
		12	0	21.74	PASS
		12	6	21.23	PASS
		12	13	21.66	PASS
		25	0	22.13	PASS
	HCH	1	0	21.93	PASS
		1	12	21.91	PASS
		1	24	21.97	PASS
		12	0	21.93	PASS
		12	6	21.92	PASS
		12	13	22.32	PASS
		25	0	21.93	PASS
16QAM	LCH	1	0	21.46	PASS
		1	12	21.69	PASS
		1	24	21.77	PASS
		12	0	21.99	PASS
		12	6	21.98	PASS
		12	13	22.10	PASS
		25	0	21.85	PASS
	MCH	1	0	21.78	PASS

		1	12	22.25	PASS
		1	24	21.76	PASS
		12	0	21.56	PASS
		12	6	22.18	PASS
		12	13	22.15	PASS
		25	0	22.17	PASS
	HCH	1	0	21.94	PASS
		1	12	21.99	PASS
		1	24	21.93	PASS
		12	0	21.85	PASS
		12	6	21.90	PASS
		12	13	21.96	PASS
		25	0	21.93	PASS

Channel Bandwidth: 10 MHz

Channel Bandwidth: 10 MHz					
Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	21.83	PASS
		1	24	22.07	PASS
		1	49	22.33	PASS
		25	0	22.54	PASS
		25	12	22.62	PASS
		25	25	22.63	PASS
		50	0	21.96	PASS
	MCH	1	0	22.13	PASS
		1	24	22.31	PASS
		1	49	22.48	PASS
		25	0	21.89	PASS
		25	12	21.94	PASS
		25	25	22.04	PASS
		50	0	21.93	PASS
	HCH	1	0	22.20	PASS
		1	24	22.33	PASS
		1	49	22.51	PASS
		25	0	21.86	PASS
		25	12	21.94	PASS
		25	25	21.89	PASS
		50	0	21.89	PASS
16QAM	LCH	1	0	22.03	PASS
		1	24	22.08	PASS
		1	49	22.16	PASS
		25	0	21.89	PASS

		25	12	21.88	PASS
		25	25	21.96	PASS
		50	0	22.43	PASS
	MCH	1	0	21.98	PASS
		1	24	21.87	PASS
		1	49	21.70	PASS
		25	0	21.69	PASS
		25	12	21.60	PASS
		25	25	21.51	PASS
		50	0	21.57	PASS
	HCH	1	0	21.41	PASS
		1	24	21.54	PASS
		1	49	21.74	PASS
		25	0	21.60	PASS
		25	12	21.51	PASS
		25	25	21.57	PASS
		50	0	21.61	PASS

Channel Bandwidth: 15 MHz

Channel Bandwidth: 15 MHz					
Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	22.11	PASS
		1	37	22.13	PASS
		1	74	21.62	PASS
		37	0	21.52	PASS
		37	18	21.61	PASS
		37	38	21.66	PASS
		75	0	21.56	PASS
	MCH	1	0	22.21	PASS
		1	37	22.21	PASS
		1	74	22.34	PASS
		37	0	21.24	PASS
		37	18	21.73	PASS
		37	38	21.60	PASS
		75	0	21.75	PASS
	HCH	1	0	22.05	PASS
		1	37	21.92	PASS
		1	74	21.90	PASS
		37	0	21.98	PASS
		37	18	21.96	PASS
		37	38	21.92	PASS
		75	0	21.96	PASS

16QAM	LCH	1	0	21.58	PASS
		1	37	21.83	PASS
		1	74	21.82	PASS
		37	0	21.46	PASS
		37	18	21.51	PASS
		37	38	21.61	PASS
		75	0	21.61	PASS
	MCH	1	0	22.00	PASS
		1	37	21.98	PASS
		1	74	21.61	PASS
		37	0	21.79	PASS
		37	18	21.60	PASS
		37	38	21.60	PASS
		75	0	21.63	PASS
	HCH	1	0	21.24	PASS
		1	37	21.03	PASS
		1	74	21.01	PASS
		37	0	21.24	PASS
		37	18	21.03	PASS
		37	38	21.24	PASS
		75	0	21.03	PASS

Channel Bandwidth: 20 MHz

Channel Bandwidth: 20 MHz					
Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	22.21	PASS
		1	49	22.12	PASS
		1	99	21.85	PASS
		50	0	21.52	PASS
		50	25	21.65	PASS
		50	50	21.73	PASS
		100	0	21.60	PASS
	MCH	1	0	21.82	PASS
		1	49	21.78	PASS
		1	99	21.68	PASS
		50	0	21.70	PASS
		50	25	21.70	PASS
		50	50	22.50	PASS
		100	0	21.68	PASS
	HCH	1	0	21.39	PASS
		1	49	21.96	PASS

		1	99	21.98	PASS
		50	0	21.07	PASS
		50	25	21.89	PASS
		50	50	21.80	PASS
		100	0	21.96	PASS
16QAM	LCH	1	0	21.49	PASS
		1	49	21.84	PASS
		1	99	21.88	PASS
		50	0	21.50	PASS
		50	25	21.63	PASS
		50	50	21.68	PASS
		100	0	21.51	PASS
	MCH	1	0	21.85	PASS
		1	49	21.94	PASS
		1	99	21.77	PASS
		50	0	21.62	PASS
		50	25	21.64	PASS
		50	50	21.71	PASS
		100	0	22.42	PASS
	HCH	1	0	21.60	PASS
		1	49	21.06	PASS
		1	99	22.50	PASS
		50	0	22.21	PASS
		50	25	22.19	PASS
		50	50	22.52	PASS
		100	0	22.53	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	3.77	<13	PASS
		1	12	3.5	<13	PASS
		1	24	3.43	<13	PASS
		12	0	4.99	<13	PASS
		12	6	4.92	<13	PASS
		12	13	5.02	<13	PASS
		25	0	5.33	<13	PASS
	MCH	1	0	3.88	<13	PASS
		1	12	3.86	<13	PASS
		1	24	3.88	<13	PASS
		12	0	5.22	<13	PASS
		12	6	5.23	<13	PASS
		12	13	5.29	<13	PASS
		25	0	5.53	<13	PASS
	HCH	1	0	3.25	<13	PASS
		1	12	3.13	<13	PASS
		1	24	3.5	<13	PASS
		12	0	4.71	<13	PASS
		12	6	4.67	<13	PASS
		12	13	4.78	<13	PASS
		25	0	5.19	<13	PASS
16QAM	LCH	1	0	4.6	<13	PASS
		1	12	4.56	<13	PASS
		1	24	4.64	<13	PASS
		12	0	5.71	<13	PASS
		12	6	5.76	<13	PASS
		12	13	5.81	<13	PASS
		25	0	6.05	<13	PASS
	MCH	1	0	4.76	<13	PASS

		1	12	4.78	<13	PASS
		1	24	4.82	<13	PASS
		12	0	6.13	<13	PASS
		12	6	6.13	<13	PASS
		12	13	6.15	<13	PASS
		25	0	6.16	<13	PASS
	HCH	1	0	4.33	<13	PASS
		1	12	4.4	<13	PASS
		1	24	4.4	<13	PASS
		12	0	5.46	<13	PASS
		12	6	5.45	<13	PASS
		12	13	5.56	<13	PASS
		25	0	5.81	<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	3.77	<13	PASS
		1	24	3.79	<13	PASS
		1	49	3.88	<13	PASS
		25	0	5.39	<13	PASS
		25	12	5.31	<13	PASS
		25	25	5.37	<13	PASS
		50	0	5.49	<13	PASS
	MCH	1	0	4.01	<13	PASS
		1	24	4.08	<13	PASS
		1	49	4.08	<13	PASS
		25	0	5.41	<13	PASS
		25	12	5.49	<13	PASS
		25	25	5.53	<13	PASS
		50	0	5.59	<13	PASS
	HCH	1	0	3.1	<13	PASS
		1	24	3.23	<13	PASS
		1	49	3.21	<13	PASS
		25	0	4.76	<13	PASS
		25	12	4.67	<13	PASS
		25	25	4.85	<13	PASS
		50	0	5.13	<13	PASS
16QAM	LCH	1	0	4.67	<13	PASS
		1	24	4.7	<13	PASS

		1	49	4.73	<13	PASS
		25	0	6.16	<13	PASS
		25	12	6.1	<13	PASS
		25	25	6.19	<13	PASS
		50	0	6.19	<13	PASS
	MCH	1	0	4.99	<13	PASS
		1	24	4.99	<13	PASS
		1	49	4.96	<13	PASS
		25	0	6.18	<13	PASS
		25	12	6.17	<13	PASS
		25	25	6.09	<13	PASS
		50	0	6.15	<13	PASS
	HCH	1	0	4.28	<13	PASS
		1	24	4.33	<13	PASS
		1	49	4.46	<13	PASS
		25	0	5.55	<13	PASS
		25	12	5.49	<13	PASS
		25	25	5.62	<13	PASS
		50	0	5.83	<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	9.65	<13	PASS
		1	37	3.69	<13	PASS
		1	74	8.78	<13	PASS
		37	0	4.72	<13	PASS
		37	18	5.32	<13	PASS
		37	38	4.76	<13	PASS
		75	0	5.03	<13	PASS
	MCH	1	0	9.74	<13	PASS
		1	37	3.88	<13	PASS
		1	74	8.97	<13	PASS
		37	0	4.62	<13	PASS
		37	18	5.38	<13	PASS
		37	38	4.82	<13	PASS
		75	0	5.22	<13	PASS
	HCH	1	0	9.92	<13	PASS
		1	37	3.12	<13	PASS
		1	74	8.86	<13	PASS

		37	0	4.43	<13	PASS
		37	18	4.78	<13	PASS
		37	38	4.71	<13	PASS
		75	0	4.87	<13	PASS
16QAM	LCH	1	0	9.58	<13	PASS
		1	37	4.51	<13	PASS
		1	74	9.05	<13	PASS
		37	0	5.91	<13	PASS
		37	18	6.08	<13	PASS
		37	38	5.96	<13	PASS
		75	0	6.24	<13	PASS
	MCH	1	0	10.03	<13	PASS
		1	37	4.75	<13	PASS
		1	74	8.98	<13	PASS
		37	0	5.79	<13	PASS
		37	18	6.1	<13	PASS
		37	38	5.99	<13	PASS
		75	0	6.15	<13	PASS
	HCH	1	0	9.62	<13	PASS
		1	37	4.32	<13	PASS
		1	74	9.79	<13	PASS
		37	0	5.61	<13	PASS
		37	18	5.58	<13	PASS
		37	38	5.63	<13	PASS
		75	0	5.95	<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	9.76	<13	PASS
		1	49	3.64	<13	PASS
		1	99	9.66	<13	PASS
		50	0	5.58	<13	PASS
		50	25	5.44	<13	PASS
		50	50	5.75	<13	PASS
		100	0	5.75	<13	PASS
	MCH	1	0	11.19	<13	PASS
		1	49	3.8	<13	PASS
		1	99	11.13	<13	PASS
		50	0	5.54	<13	PASS

		50	25	5.43	<13	PASS
		50	50	5.87	<13	PASS
		100	0	5.75	<13	PASS
	HCH	1	0	12.48	<13	PASS
		1	49	3.24	<13	PASS
		1	99	12.51	<13	PASS
		50	0	5.35	<13	PASS
		50	25	5.1	<13	PASS
		50	50	5.85	<13	PASS
		100	0	5.65	<13	PASS
16QAM	LCH	1	0	9.91	<13	PASS
		1	49	4.33	<13	PASS
		1	99	9.45	<13	PASS
		50	0	6.58	<13	PASS
		50	25	6.21	<13	PASS
		50	50	6.59	<13	PASS
		100	0	7.04	<13	PASS
	MCH	1	0	11.1	<13	PASS
		1	49	4.54	<13	PASS
		1	99	11.25	<13	PASS
		50	0	6.47	<13	PASS
		50	25	6.16	<13	PASS
		50	50	6.51	<13	PASS
		100	0	6.7	<13	PASS
	HCH	1	0	9.62	<13	PASS
		1	49	4.21	<13	PASS
		1	99	12.56	<13	PASS
		50	0	6.34	<13	PASS
		50	25	5.78	<13	PASS
		50	50	6.34	<13	PASS
		100	0	6.54	<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

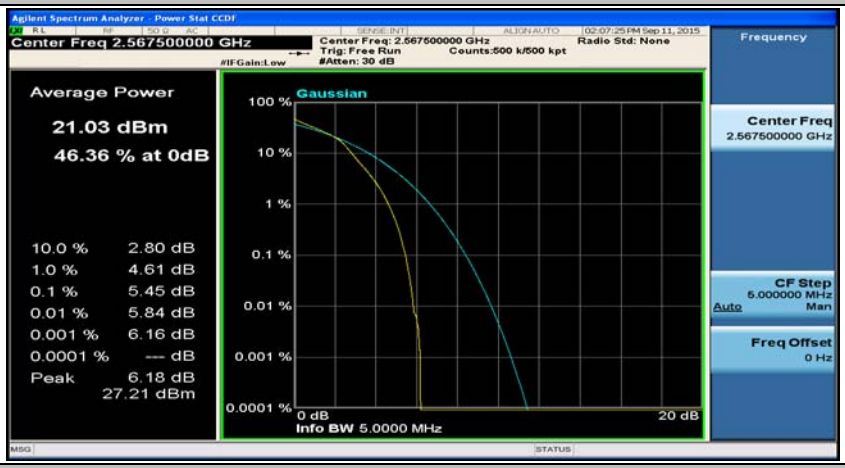
(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#0

(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

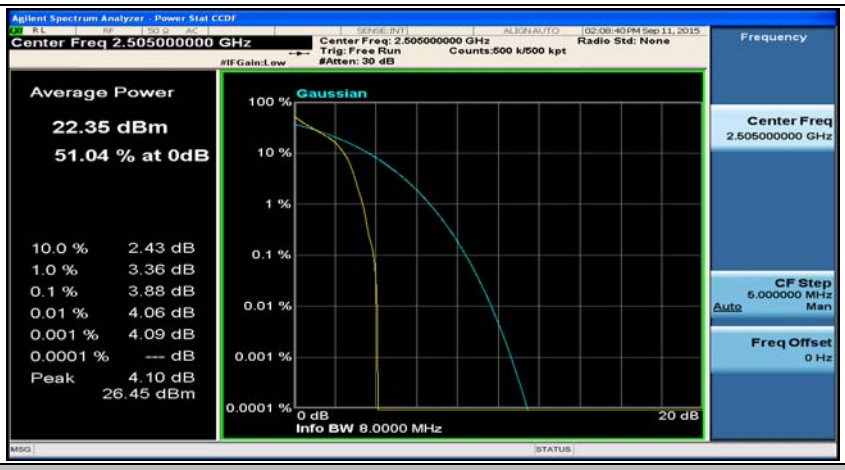


(Channel Bandwidth: 5 MHz)_HCH_16QAM_12RB#13

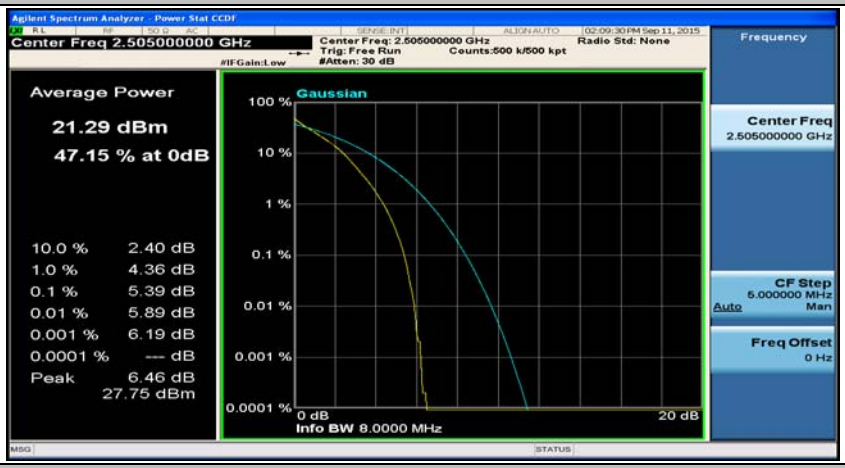
(Channel Bandwidth: 5 MHz)_HCH_16QAM_25RB#0

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

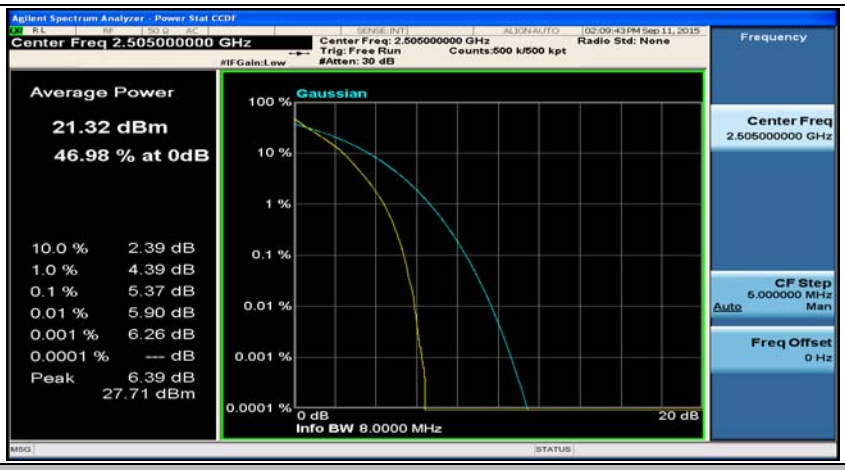


Channel Bandwidth: 10 MHz_LCH_QPSK_25RB#0



Channel Bandwidth: 10 MHz_LCH_QPSK_25RB#12

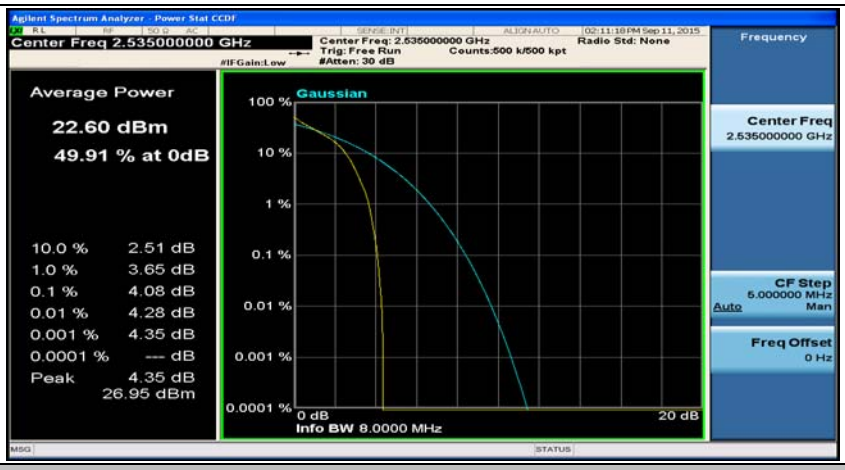
Channel Bandwidth: 10 MHz_LCH_QPSK_25RB#25



Channel Bandwidth: 10 MHz_LCH_QPSK_50RB#0

Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#0

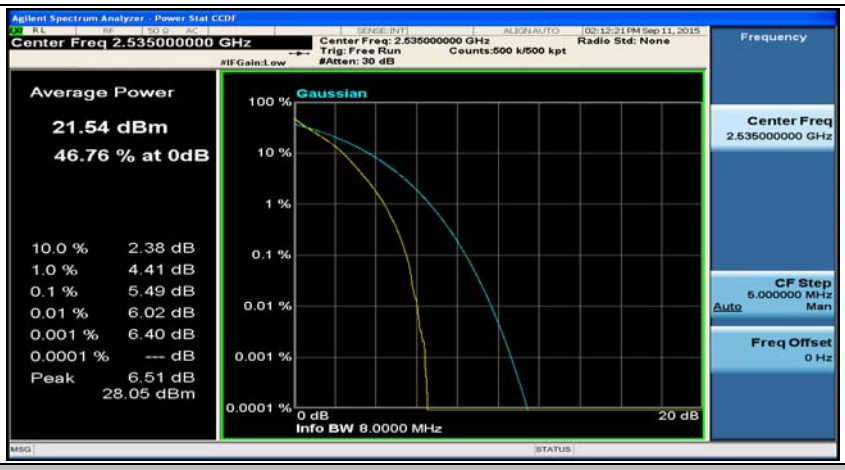
Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#24



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

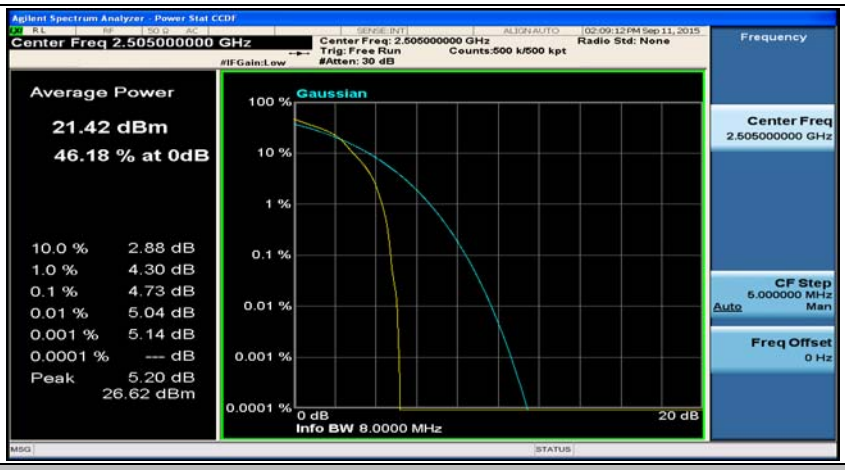
Channel Bandwidth: 10 MHz_HCH_QPSK_25RB#0

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

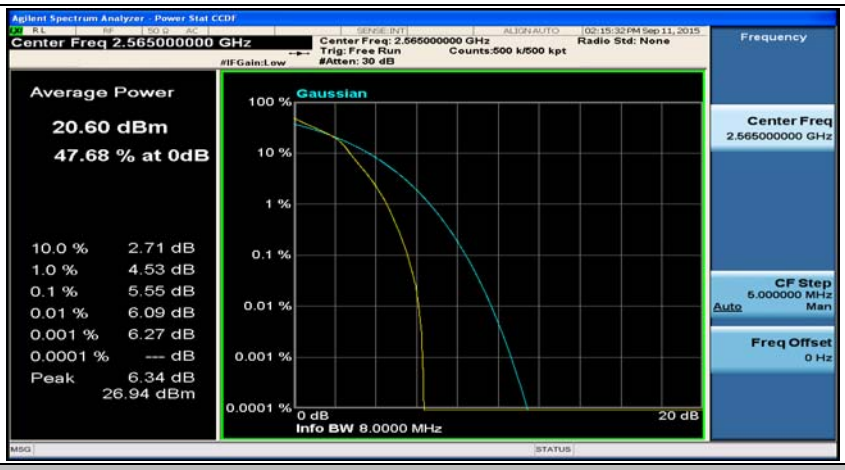
Channel Bandwidth: 10 MHz_MCH_16QAM_50RB#0

Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#0

Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#24

Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#49

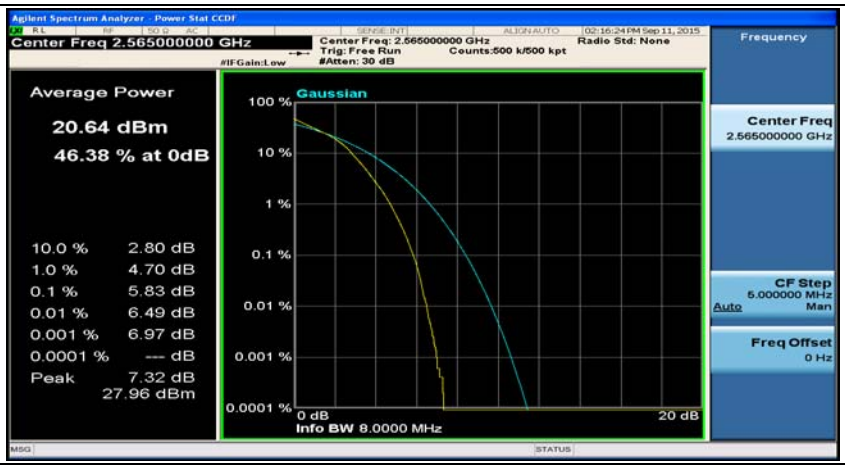
Channel Bandwidth: 10 MHz_HCH_16QAM_25RB#0



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

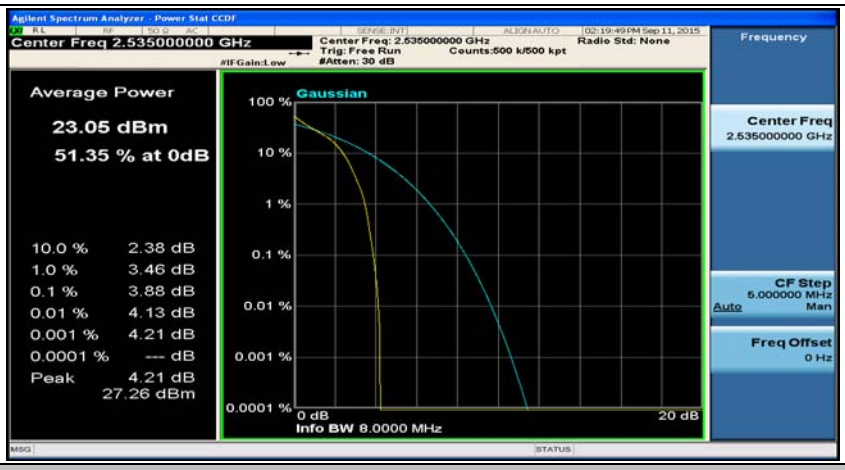
(Channel Bandwidth:15 MHz)_LCH_QPSK_37RB#18

(Channel Bandwidth:15 MHz)_LCH_QPSK_37RB#38

(Channel Bandwidth:15 MHz)_LCH_QPSK_75RB#0

(Channel Bandwidth:15 MHz)_MCH_QPSK_1RB#0

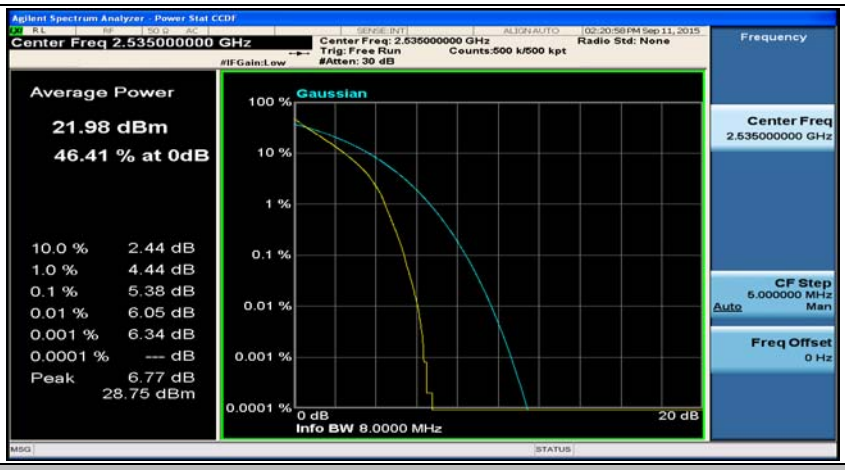
(Channel Bandwidth:15 MHz)_MCH_QPSK_1RB#37



(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

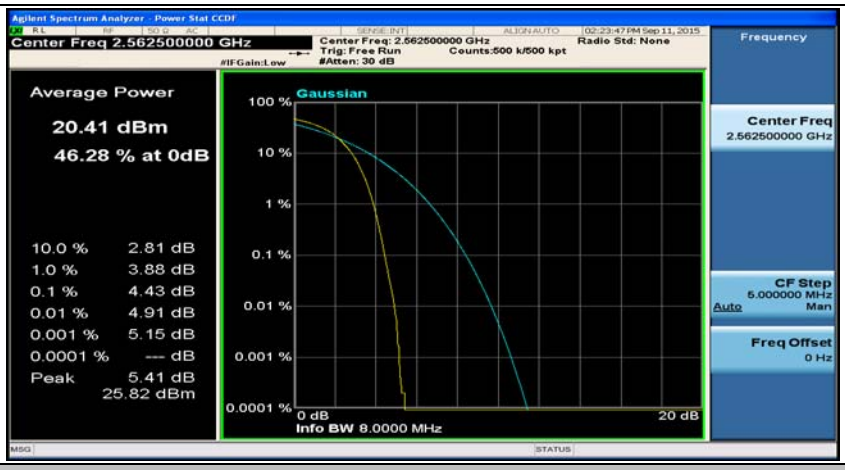
(Channel Bandwidth:15 MHz)_MCH_QPSK_75RB#0

(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