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	22.89	PASS
		1	12	22.88	PASS
		1	24	20.97	PASS
		12	0	20.75	PASS
		12	6	20.71	PASS
		12	13	20.71	PASS
		25	0	20.65	PASS
	MCH	1	0	21.21	PASS
		1	12	21.41	PASS
		1	24	21.20	PASS
		12	0	20.27	PASS
		12	6	20.36	PASS
		12	13	20.38	PASS
		25	0	20.36	PASS
	HCH	1	0	21.20	PASS
		1	12	21.34	PASS
		1	24	21.37	PASS
		12	0	20.20	PASS
		12	6	20.23	PASS
		12	13	20.27	PASS
		25	0	20.21	PASS
16QAM	LCH	1	0	21.09	PASS
		1	12	21.11	PASS
		1	24	20.98	PASS
		12	0	20.94	PASS
		12	6	20.88	PASS
		12	13	20.88	PASS
		25	0	20.90	PASS
	MCH	1	0	20.62	PASS
		1	12	20.75	PASS
		1	24	20.64	PASS
		12	0	20.55	PASS

		12	6	20.47	PASS
		12	13	20.76	PASS
		25	0	20.62	PASS
	HCH	1	0	20.68	PASS
		1	12	20.69	PASS
		1	24	20.98	PASS
		12	0	20.68	PASS
		12	6	21.08	PASS
		12	13	21.39	PASS
		25	0	21.32	PASS

Channel Bandwidth: 10 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	21.73	PASS
		1	24	21.62	PASS
		1	49	21.53	PASS
		25	0	20.64	PASS
		25	12	20.58	PASS
		25	25	20.54	PASS
		50	0	20.67	PASS
	MCH	1	0	21.30	PASS
		1	24	21.24	PASS
		1	49	21.21	PASS
		25	0	20.36	PASS
		25	12	20.32	PASS
		25	25	21.30	PASS
		50	0	21.35	PASS
	HCH	1	0	21.14	PASS
		1	24	21.18	PASS
		1	49	21.33	PASS
		25	0	20.98	PASS
		25	12	21.12	PASS
		25	25	21.20	PASS
		50	0	21.17	PASS
16QAM	LCH	1	0	20.96	PASS
		1	24	20.85	PASS
		1	49	20.75	PASS
		25	0	20.71	PASS
		25	12	20.63	PASS
		25	25	20.61	PASS
		50	0	20.67	PASS

	MCH	1	0	20.67	PASS
		1	24	21.59	PASS
		1	49	21.56	PASS
		25	0	21.40	PASS
		25	12	21.38	PASS
		25	25	21.37	PASS
		50	0	21.39	PASS
	HCH	1	0	21.51	PASS
		1	24	21.55	PASS
		1	49	21.72	PASS
		25	0	21.23	PASS
		25	12	22.75	PASS
		25	25	20.87	PASS
		50	0	20.65	PASS

Channel Bandwidth: 15 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	21.84	PASS
		1	37	21.68	PASS
		1	74	21.51	PASS
		37	0	20.74	PASS
		37	18	20.69	PASS
		37	38	20.61	PASS
		75	0	20.85	PASS
	MCH	1	0	20.81	PASS
		1	37	20.75	PASS
		1	74	20.61	PASS
		37	0	20.80	PASS
		37	18	20.86	PASS
		37	38	20.91	PASS
		75	0	20.86	PASS
	HCH	1	0	20.57	PASS
		1	37	20.52	PASS
		1	74	20.69	PASS
		37	0	20.46	PASS
		37	18	20.43	PASS
		37	38	20.49	PASS
		75	0	20.48	PASS
16QAM	LCH	1	0	21.05	PASS
		1	37	20.94	PASS
		1	74	20.76	PASS

		37	0	20.74	PASS
		37	18	20.69	PASS
		37	38	20.97	PASS
		75	0	20.84	PASS
	MCH	1	0	20.98	PASS
		1	37	20.75	PASS
		1	74	20.85	PASS
		37	0	21.93	PASS
		37	18	21.78	PASS
		37	38	20.94	PASS
		75	0	20.89	PASS
	HCH	1	0	20.86	PASS
		1	37	20.80	PASS
		1	74	20.90	PASS
		37	0	20.54	PASS
		37	18	20.50	PASS
		37	38	20.55	PASS
		75	0	20.53	PASS

Channel Bandwidth: 20 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	22.90	PASS
		1	49	22.12	PASS
		1	99	22.78	PASS
		50	0	21.12	PASS
		50	25	21.98	PASS
		50	50	21.90	PASS
		100	0	21.99	PASS
	MCH	1	0	21.86	PASS
		1	49	21.89	PASS
		1	99	21.05	PASS
		50	0	20.87	PASS
		50	25	20.91	PASS
		50	50	20.96	PASS
		100	0	20.88	PASS
	HCH	1	0	20.86	PASS
		1	49	20.54	PASS
		1	99	20.77	PASS
		50	0	20.64	PASS
		50	25	20.53	PASS
		50	50	20.56	PASS

		100	0	20.56	PASS
16QAM	LCH	1	0	20.44	PASS
		1	49	20.61	PASS
		1	99	20.51	PASS
		50	0	20.55	PASS
		50	25	20.60	PASS
		50	50	20.93	PASS
		100	0	20.82	PASS
	MCH	1	0	20.63	PASS
		1	49	20.64	PASS
		1	99	20.81	PASS
		50	0	20.89	PASS
		50	25	20.92	PASS
		50	50	20.99	PASS
		100	0	20.91	PASS
	HCH	1	0	20.20	PASS
		1	49	20.92	PASS
		1	99	20.06	PASS
		50	0	20.74	PASS
		50	25	20.63	PASS
		50	50	20.64	PASS
		100	0	20.65	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	4.13	<13	PASS
		1	12	3.98	<13	PASS
		1	24	3.96	<13	PASS
		12	0	5.51	<13	PASS
		12	6	5.52	<13	PASS
		12	13	5.48	<13	PASS
		25	0	5.59	<13	PASS
	MCH	1	0	4.26	<13	PASS
		1	12	4.22	<13	PASS
		1	24	4.13	<13	PASS
		12	0	5.75	<13	PASS
		12	6	5.73	<13	PASS
		12	13	5.75	<13	PASS
		25	0	5.87	<13	PASS
	HCH	1	0	4.31	<13	PASS
		1	12	4.32	<13	PASS
		1	24	4.54	<13	PASS
		12	0	5.56	<13	PASS
		12	6	5.61	<13	PASS
		12	13	5.63	<13	PASS
		25	0	5.69	<13	PASS
16QAM	LCH	1	0	5.65	<13	PASS
		1	12	5.58	<13	PASS
		1	24	5.65	<13	PASS
		12	0	6.39	<13	PASS
		12	6	6.28	<13	PASS
		12	13	6.22	<13	PASS
		25	0	6.4	<13	PASS
	MCH	1	0	5.99	<13	PASS
		1	12	5.92	<13	PASS
		1	24	5.78	<13	PASS

		12	0	6.51	<13	PASS
		12	6	6.43	<13	PASS
		12	13	6.39	<13	PASS
		25	0	6.53	<13	PASS
	HCH	1	0	5.33	<13	PASS
		1	12	5.51	<13	PASS
		1	24	5.62	<13	PASS
		12	0	6.51	<13	PASS
		12	6	6.41	<13	PASS
		12	13	6.47	<13	PASS
		25	0	6.45	<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	4.1	<13	PASS
		1	24	4.19	<13	PASS
		1	49	4.38	<13	PASS
		25	0	5.68	<13	PASS
		25	12	5.75	<13	PASS
		25	25	5.78	<13	PASS
		50	0	5.76	<13	PASS
	MCH	1	0	3.96	<13	PASS
		1	24	4.18	<13	PASS
		1	49	4.41	<13	PASS
		25	0	5.61	<13	PASS
		25	12	5.81	<13	PASS
		25	25	5.87	<13	PASS
		50	0	5.84	<13	PASS
	HCH	1	0	3.25	<13	PASS
		1	24	3.5	<13	PASS
		1	49	3.92	<13	PASS
		25	0	5.05	<13	PASS
		25	12	5.32	<13	PASS
		25	25	5.59	<13	PASS
		50	0	5.39	<13	PASS
16QAM	LCH	1	0	5.45	<13	PASS
		1	24	5.69	<13	PASS
		1	49	5.73	<13	PASS
		25	0	6.45	<13	PASS

		25	12	6.55	<13	PASS
		25	25	6.63	<13	PASS
		50	0	6.44	<13	PASS
	MCH	1	0	5.24	<13	PASS
		1	24	5.38	<13	PASS
		1	49	5.63	<13	PASS
		25	0	6.45	<13	PASS
		25	12	6.54	<13	PASS
		25	25	6.71	<13	PASS
		50	0	6.53	<13	PASS
	HCH	1	0	4.48	<13	PASS
		1	24	4.77	<13	PASS
		1	49	5.23	<13	PASS
		25	0	5.83	<13	PASS
		25	12	6.07	<13	PASS
		25	25	6.38	<13	PASS
		50	0	6.14	<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	3.89	<13	PASS
		1	37	4.06	<13	PASS
		1	74	4.03	<13	PASS
		37	0	5.64	<13	PASS
		37	18	5.7	<13	PASS
		37	38	5.67	<13	PASS
		75	0	6.02	<13	PASS
	MCH	1	0	3.78	<13	PASS
		1	37	4.08	<13	PASS
		1	74	4.33	<13	PASS
		37	0	5.56	<13	PASS
		37	18	5.75	<13	PASS
		37	38	6.02	<13	PASS
		75	0	6.12	<13	PASS
	HCH	1	0	3.35	<13	PASS
		1	37	3.45	<13	PASS
		1	74	3.81	<13	PASS
		37	0	4.79	<13	PASS
		37	18	4.96	<13	PASS

		37	38	5.4	<13	PASS
		75	0	5.57	<13	PASS
16QAM	LCH	1	0	5.18	<13	PASS
		1	37	5.58	<13	PASS
		1	74	5.51	<13	PASS
		37	0	6.41	<13	PASS
		37	18	6.46	<13	PASS
		37	38	6.44	<13	PASS
		75	0	6.56	<13	PASS
	MCH	1	0	5.05	<13	PASS
		1	37	5.35	<13	PASS
		1	74	5.6	<13	PASS
		37	0	6.33	<13	PASS
		37	18	6.48	<13	PASS
		37	38	6.75	<13	PASS
		75	0	6.7	<13	PASS
	HCH	1	0	4.63	<13	PASS
		1	37	4.46	<13	PASS
		1	74	5.11	<13	PASS
		37	0	5.66	<13	PASS
		37	18	5.85	<13	PASS
		37	38	6.27	<13	PASS
		75	0	6.22	<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	3.89	<13	PASS
		1	49	4.1	<13	PASS
		1	99	3.97	<13	PASS
		50	0	5.74	<13	PASS
		50	25	5.68	<13	PASS
		50	50	5.59	<13	PASS
		100	0	5.71	<13	PASS
	MCH	1	0	3.77	<13	PASS
		1	49	4.2	<13	PASS
		1	99	4.18	<13	PASS
		50	0	5.56	<13	PASS
		50	25	5.78	<13	PASS
		50	50	5.95	<13	PASS

		100	0	5.89	<13	PASS
	HCH	1	0	3.7	<13	PASS
		1	49	3.38	<13	PASS
		1	99	3.96	<13	PASS
		50	0	5.08	<13	PASS
		50	25	4.93	<13	PASS
		50	50	5.38	<13	PASS
		100	0	5.58	<13	PASS
16QAM	LCH	1	0	4.95	<13	PASS
		1	49	5.41	<13	PASS
		1	99	5.2	<13	PASS
		50	0	6.41	<13	PASS
		50	25	6.48	<13	PASS
		50	50	6.36	<13	PASS
		100	0	6.38	<13	PASS
	MCH	1	0	4.73	<13	PASS
		1	49	5.18	<13	PASS
		1	99	5.43	<13	PASS
		50	0	6.33	<13	PASS
		50	25	6.52	<13	PASS
		50	50	6.77	<13	PASS
		100	0	6.61	<13	PASS
	HCH	1	0	4.78	<13	PASS
		1	49	4.29	<13	PASS
		1	99	5.15	<13	PASS
		50	0	5.82	<13	PASS
		50	25	5.72	<13	PASS
		50	50	6.13	<13	PASS
		100	0	6.25	<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

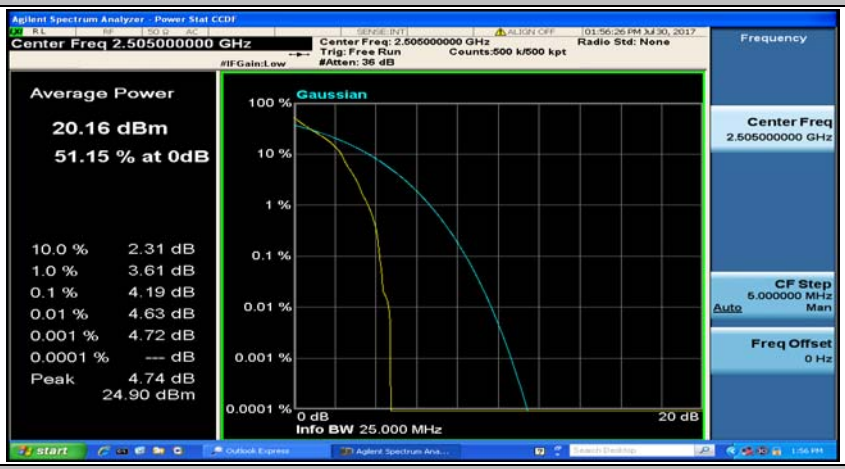
(Channel Bandwidth: 5 MHz)_HCH_16QAM_12RB#0

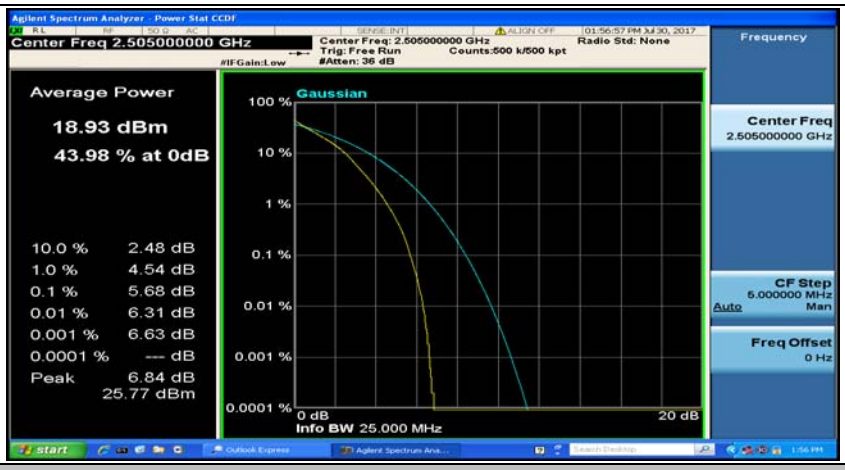
(Channel Bandwidth: 5 MHz)_HCH_16QAM_12RB#6

(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

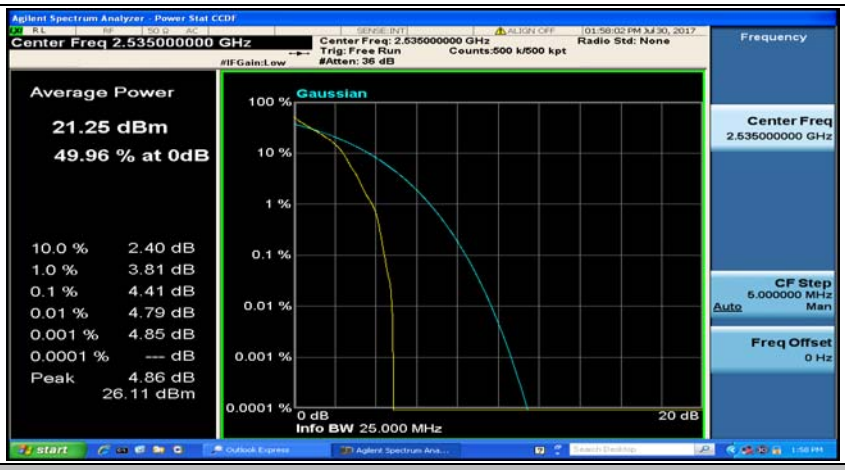


Channel Bandwidth: 10 MHz_LCH_QPSK_25RB#12

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

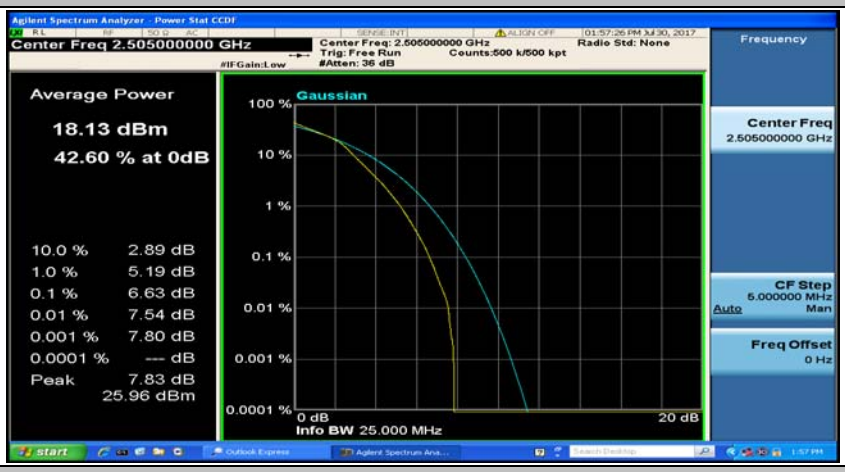
Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#24

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

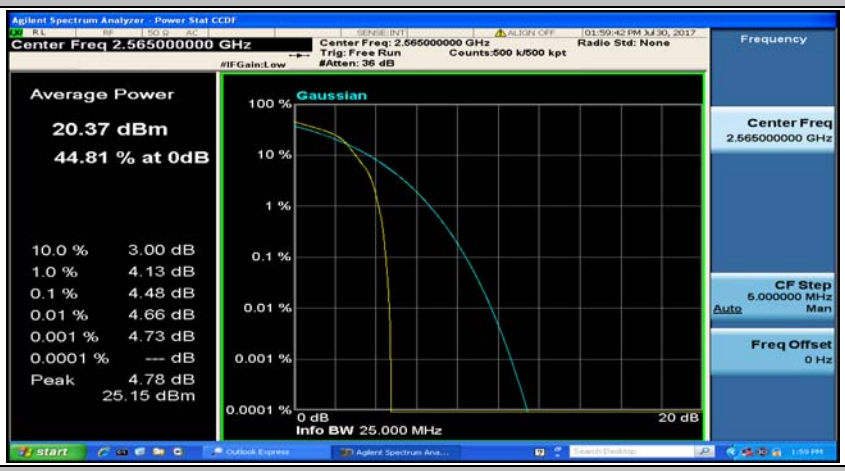
Channel Bandwidth: 10 MHz_MCH_16QAM_25RB#0

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

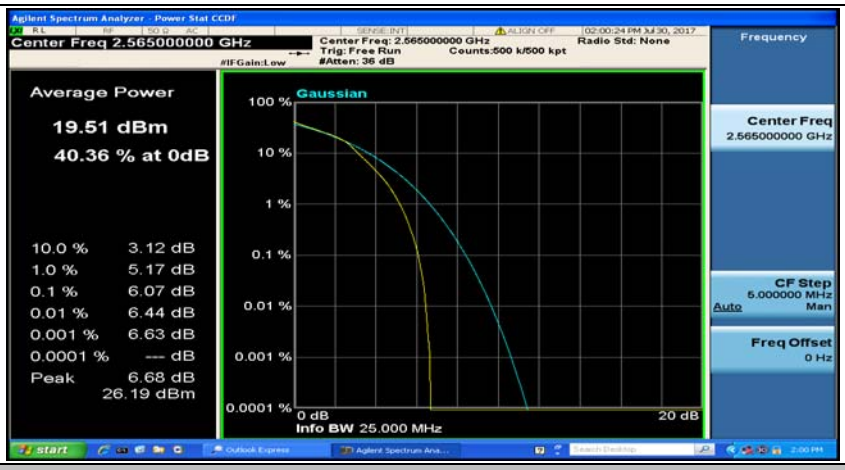


Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#24

Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#49

Channel Bandwidth: 10 MHz_HCH_16QAM_25RB#0

Channel Bandwidth: 10 MHz_HCH_16QAM_25RB#12



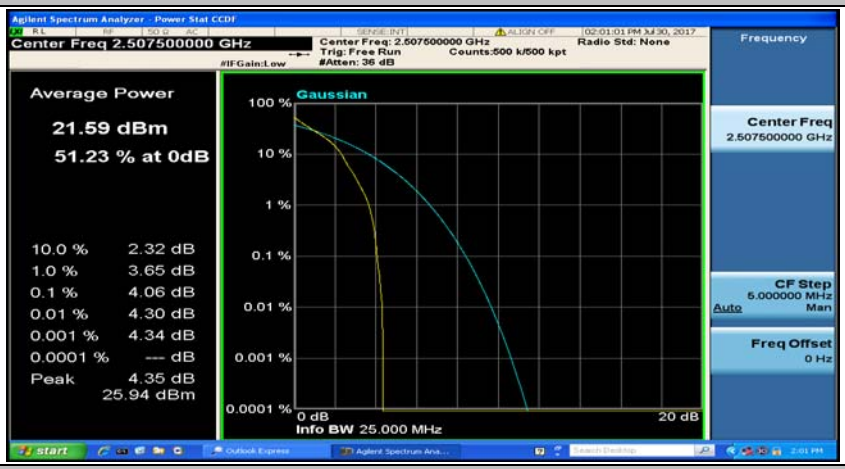
Channel Bandwidth: 10 MHz_HCH_16QAM_25RB#25

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

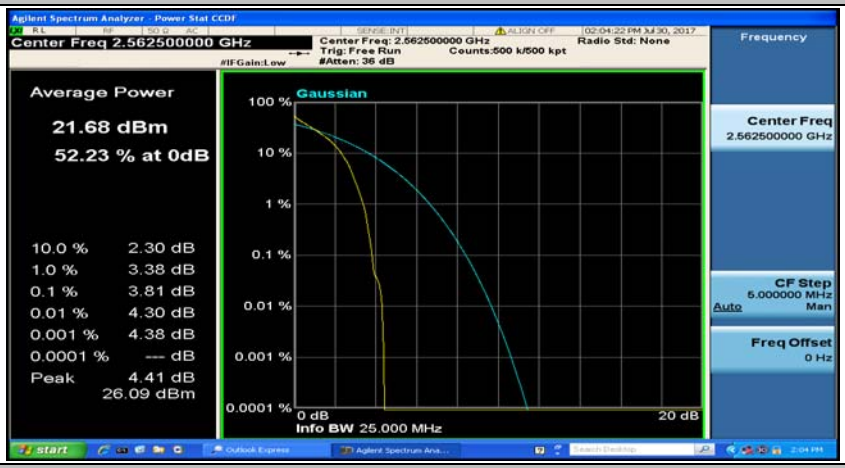
(Channel Bandwidth:15 MHz)_MCH_QPSK_37RB#38

(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

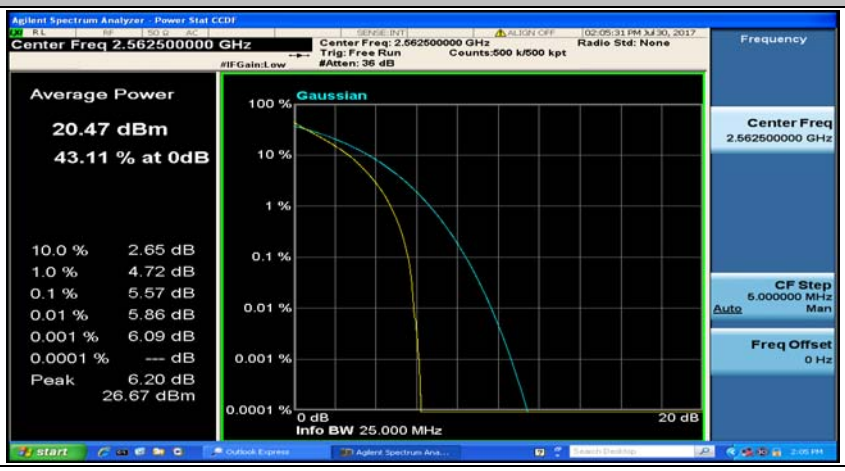


(Channel Bandwidth:15 MHz)_HCH_QPSK_37RB#0

(Channel Bandwidth:15 MHz)_HCH_QPSK_37RB#18

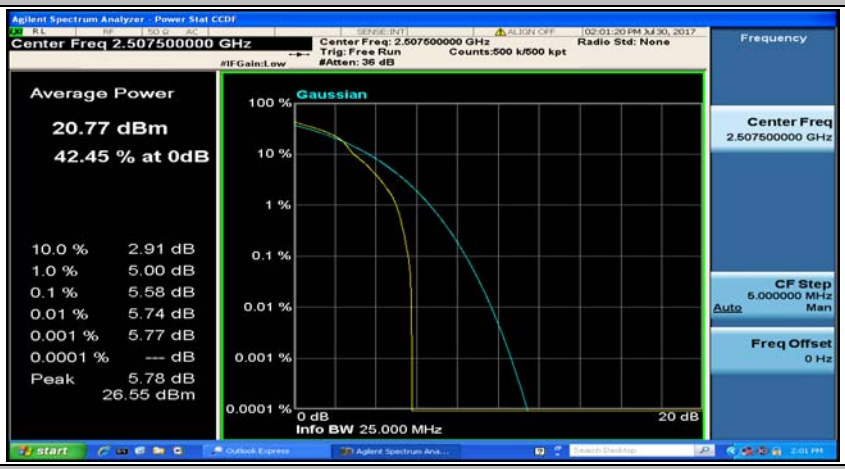
(Channel Bandwidth:15 MHz)_HCH_QPSK_37RB#38

(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

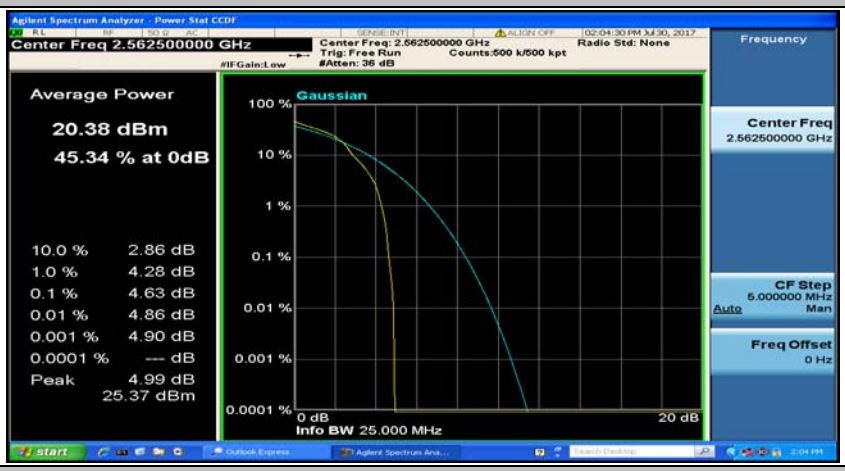
(Channel Bandwidth:15 MHz)_MCH_16QAM_37RB#0

(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