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	22.86	PASS
		1	12	22.97	PASS
		1	24	22.98	PASS
		12	0	21.93	PASS
		12	6	21.80	PASS
		12	13	21.92	PASS
		25	0	21.77	PASS
	MCH	1	0	22.39	PASS
		1	12	22.72	PASS
		1	24	22.87	PASS
		12	0	21.52	PASS
		12	6	21.74	PASS
		12	13	22.00	PASS
		25	0	21.80	PASS
	HCH	1	0	22.31	PASS
		1	12	21.55	PASS
		1	24	21.62	PASS
		12	0	21.17	PASS
		12	6	20.84	PASS
		12	13	20.69	PASS
		25	0	20.82	PASS
16QAM	LCH	1	0	22.18	PASS
		1	12	22.08	PASS
		1	24	22.29	PASS
		12	0	21.03	PASS
		12	6	20.93	PASS
		12	13	21.07	PASS
		25	0	20.78	PASS
	MCH	1	0	22.28	PASS
		1	12	22.06	PASS
		1	24	22.19	PASS
		12	0	21.39	PASS
		12	6	21.36	PASS

		12	13	21.32	PASS
		25	0	21.33	PASS
	HCH	1	0	21.55	PASS
		1	12	20.87	PASS
		1	24	20.91	PASS
		12	0	20.37	PASS
		12	6	20.07	PASS
		12	13	19.95	PASS
		25	0	20.10	PASS

Channel Bandwidth: 10 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	22.10	PASS
		1	24	22.39	PASS
		1	49	22.50	PASS
		25	0	21.38	PASS
		25	12	21.51	PASS
		25	25	21.64	PASS
		50	0	21.52	PASS
	MCH	1	0	22.58	PASS
		1	24	22.57	PASS
		1	49	22.25	PASS
		25	0	22.05	PASS
		25	12	21.94	PASS
		25	25	21.79	PASS
		50	0	21.96	PASS
	HCH	1	0	22.24	PASS
		1	24	21.77	PASS
		1	49	21.00	PASS
		25	0	21.56	PASS
		25	12	21.18	PASS
		25	25	20.71	PASS
		50	0	21.20	PASS
16QAM	LCH	1	0	21.38	PASS
		1	24	21.61	PASS
		1	49	21.76	PASS
		25	0	20.39	PASS
		25	12	20.49	PASS
		25	25	20.70	PASS
		50	0	20.56	PASS
	MCH	1	0	22.05	PASS

		1	24	22.05	PASS
		1	49	21.67	PASS
		25	0	21.19	PASS
		25	12	21.11	PASS
		25	25	20.98	PASS
		50	0	21.09	PASS
	HCH	1	0	21.74	PASS
		1	24	21.32	PASS
		1	49	20.48	PASS
		25	0	20.76	PASS
		25	12	20.43	PASS
		25	25	20.32	PASS
		50	0	20.44	PASS

Channel Bandwidth: 15 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	22.25	PASS
		1	37	22.53	PASS
		1	74	22.70	PASS
		37	0	21.45	PASS
		37	18	21.62	PASS
		37	38	21.86	PASS
		75	0	21.66	PASS
	MCH	1	0	22.69	PASS
		1	37	22.46	PASS
		1	74	22.39	PASS
		37	0	22.01	PASS
		37	18	21.84	PASS
		37	38	21.64	PASS
		75	0	21.89	PASS
	HCH	1	0	22.56	PASS
		1	37	22.02	PASS
		1	74	21.18	PASS
		37	0	21.84	PASS
		37	18	21.47	PASS
		37	38	20.88	PASS
		75	0	21.46	PASS
16QAM	LCH	1	0	21.49	PASS
		1	37	21.85	PASS
		1	74	22.11	PASS
		37	0	20.47	PASS

		37	18	20.68	PASS
		37	38	20.92	PASS
		75	0	20.75	PASS
	MCH	1	0	22.13	PASS
		1	37	21.89	PASS
		1	74	21.76	PASS
		37	0	21.17	PASS
		37	18	21.01	PASS
		37	38	20.89	PASS
		75	0	21.06	PASS
	HCH	1	0	21.91	PASS
		1	37	21.43	PASS
		1	74	20.56	PASS
		37	0	21.04	PASS
		37	18	20.70	PASS
		37	38	20.17	PASS
		75	0	20.66	PASS

Channel Bandwidth: 20 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	23.40	PASS
		1	49	22.95	PASS
		1	99	23.27	PASS
		50	0	22.30	PASS
		50	25	22.16	PASS
		50	50	22.17	PASS
		100	0	22.22	PASS
	MCH	1	0	22.79	PASS
		1	49	22.52	PASS
		1	99	22.51	PASS
		50	0	21.98	PASS
		50	25	21.73	PASS
		50	50	21.54	PASS
		100	0	21.83	PASS
	HCH	1	0	22.57	PASS
		1	49	22.21	PASS
		1	99	21.17	PASS
		50	0	21.77	PASS
		50	25	21.54	PASS

		50	50	20.99	PASS
		100	0	21.45	PASS
16QAM	LCH	1	0	21.54	PASS
		1	49	21.94	PASS
		1	99	22.20	PASS
		50	0	20.52	PASS
		50	25	20.84	PASS
		50	50	21.18	PASS
		100	0	20.89	PASS
	MCH	1	0	22.15	PASS
		1	49	21.84	PASS
		1	99	21.76	PASS
		50	0	21.15	PASS
		50	25	20.92	PASS
		50	50	20.76	PASS
		100	0	20.99	PASS
	HCH	1	0	21.89	PASS
		1	49	21.64	PASS
		1	99	20.62	PASS
		50	0	20.96	PASS
		50	25	20.79	PASS
		50	50	20.32	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	Limit	Verdict
		Size	Offset	[dB]	[dB]	
QPSK	LCH	1	0	2.9	<13	PASS
		1	12	3.48	<13	PASS
		1	24	3.5	<13	PASS
		12	0	4.82	<13	PASS
		12	6	4.99	<13	PASS
		12	13	5.05	<13	PASS
		25	0	5.15	<13	PASS
	MCH	1	0	3.25	<13	PASS
		1	12	3.84	<13	PASS
		1	24	3.57	<13	PASS
		12	0	4.89	<13	PASS
		12	6	5.02	<13	PASS
		12	13	5	<13	PASS
		25	0	5.04	<13	PASS
	HCH	1	0	2.92	<13	PASS
		1	12	3.16	<13	PASS
		1	24	2.95	<13	PASS
		12	0	4.56	<13	PASS
		12	6	4.59	<13	PASS
		12	13	4.55	<13	PASS
		25	0	4.69	<13	PASS
16QAM	LCH	1	0	3.74	<13	PASS
		1	12	4.52	<13	PASS
		1	24	4.35	<13	PASS
		12	0	5.69	<13	PASS
		12	6	5.77	<13	PASS
		12	13	5.86	<13	PASS
		25	0	5.88	<13	PASS
	MCH	1	0	4.09	<13	PASS
		1	12	4.34	<13	PASS
		1	24	4.42	<13	PASS
		12	0	5.54	<13	PASS
		12	6	5.79	<13	PASS

		12	13	5.77	<13	PASS
		25	0	5.72	<13	PASS
	HCH	1	0	3.83	<13	PASS
		1	12	3.79	<13	PASS
		1	24	3.79	<13	PASS
		12	0	5.5	<13	PASS
		12	6	5.56	<13	PASS
		12	13	5.54	<13	PASS
		25	0	5.58	<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	3.5	<13	PASS
		1	24	3.85	<13	PASS
		1	49	3.58	<13	PASS
		25	0	5.12	<13	PASS
		25	12	5.23	<13	PASS
		25	25	5.22	<13	PASS
		50	0	5.18	<13	PASS
	MCH	1	0	3.35	<13	PASS
		1	24	3.84	<13	PASS
		1	49	4.02	<13	PASS
		25	0	4.83	<13	PASS
		25	12	5	<13	PASS
		25	25	5.14	<13	PASS
		50	0	5.03	<13	PASS
	HCH	1	0	3.06	<13	PASS
		1	24	3.13	<13	PASS
		1	49	3.18	<13	PASS
		25	0	4.56	<13	PASS
		25	12	4.63	<13	PASS
		25	25	4.64	<13	PASS
		50	0	4.63	<13	PASS
16QAM	LCH	1	0	4.25	<13	PASS
		1	24	4.68	<13	PASS
		1	49	4.37	<13	PASS
		25	0	5.99	<13	PASS
		25	12	6.07	<13	PASS
		25	25	6.04	<13	PASS

		50	0	5.93	<13	PASS
	MCH	1	0	4.06	<13	PASS
		1	24	4.43	<13	PASS
		1	49	4.71	<13	PASS
		25	0	5.6	<13	PASS
		25	12	5.83	<13	PASS
		25	25	5.89	<13	PASS
		50	0	5.71	<13	PASS
	HCH	1	0	3.79	<13	PASS
		1	24	3.83	<13	PASS
		1	49	4.01	<13	PASS
		25	0	5.44	<13	PASS
		25	12	5.48	<13	PASS
		25	25	5.48	<13	PASS
		50	0	5.5	<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	3.43	<13	PASS
		1	37	3.78	<13	PASS
		1	74	2.64	<13	PASS
		37	0	5.17	<13	PASS
		37	18	5.18	<13	PASS
		37	38	4.74	<13	PASS
		75	0	5.34	<13	PASS
	MCH	1	0	3.07	<13	PASS
		1	37	3.94	<13	PASS
		1	74	3.63	<13	PASS
		37	0	4.73	<13	PASS
		37	18	5.04	<13	PASS
		37	38	5.21	<13	PASS
		75	0	5.34	<13	PASS
	HCH	1	0	2.66	<13	PASS
		1	37	3.31	<13	PASS
		1	74	3.01	<13	PASS
		37	0	4.41	<13	PASS
		37	18	4.58	<13	PASS
		37	38	4.66	<13	PASS
		75	0	4.93	<13	PASS

16QAM	LCH	1	0	4.19	<13	PASS
		1	37	4.67	<13	PASS
		1	74	3.45	<13	PASS
		37	0	5.96	<13	PASS
		37	18	5.98	<13	PASS
		37	38	5.66	<13	PASS
		75	0	6.02	<13	PASS
	MCH	1	0	3.67	<13	PASS
		1	37	4.49	<13	PASS
		1	74	4.32	<13	PASS
		37	0	5.48	<13	PASS
		37	18	5.83	<13	PASS
		37	38	5.91	<13	PASS
		75	0	5.96	<13	PASS
	HCH	1	0	3.7	<13	PASS
		1	37	4.08	<13	PASS
		1	74	3.85	<13	PASS
		37	0	5.39	<13	PASS
		37	18	5.4	<13	PASS
		37	38	5.49	<13	PASS
		75	0	5.64	<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	3.39	<13	PASS
		1	49	3.24	<13	PASS
		1	99	2.23	<13	PASS
		50	0	5.15	<13	PASS
		50	25	4.87	<13	PASS
		50	50	4.25	<13	PASS
		100	0	4.99	<13	PASS
	MCH	1	0	2.65	<13	PASS
		1	49	3.8	<13	PASS
		1	99	3.29	<13	PASS
		50	0	4.67	<13	PASS
		50	25	5.07	<13	PASS
		50	50	5.23	<13	PASS
		100	0	5.27	<13	PASS
	HCH	1	0	2.7	<13	PASS

		1	49	3.15	<13	PASS
		1	99	3.11	<13	PASS
		50	0	4.5	<13	PASS
		50	25	4.51	<13	PASS
		50	50	4.7	<13	PASS
		100	0	4.94	<13	PASS
16QAM	LCH	1	0	4.14	<13	PASS
		1	49	3.96	<13	PASS
		1	99	2.94	<13	PASS
		50	0	6.02	<13	PASS
		50	25	5.73	<13	PASS
		50	50	5.11	<13	PASS
		100	0	5.8	<13	PASS
	MCH	1	0	3.3	<13	PASS
		1	49	4.54	<13	PASS
		1	99	3.96	<13	PASS
		50	0	5.4	<13	PASS
		50	25	5.77	<13	PASS
		50	50	6	<13	PASS
		100	0	5.93	<13	PASS
	HCH	1	0	3.57	<13	PASS
		1	49	3.86	<13	PASS
		1	99	3.67	<13	PASS
		50	0	5.37	<13	PASS
		50	25	5.38	<13	PASS
		50	50	5.53	<13	PASS
		100	0	5.71	<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

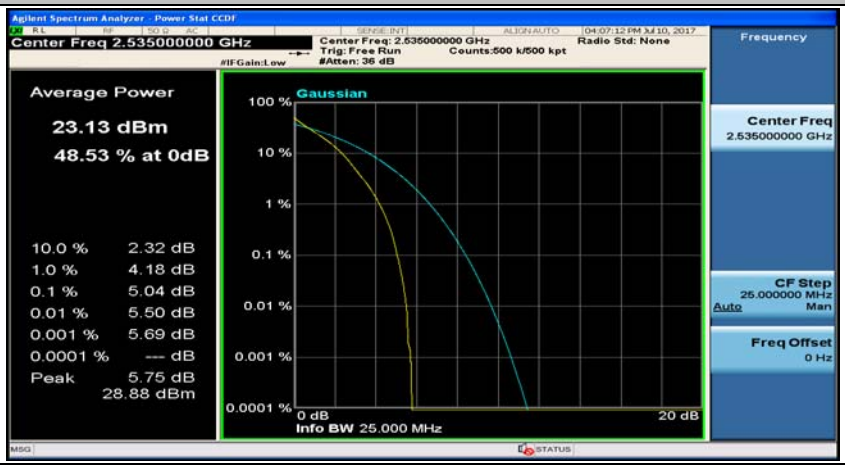
(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#24

(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

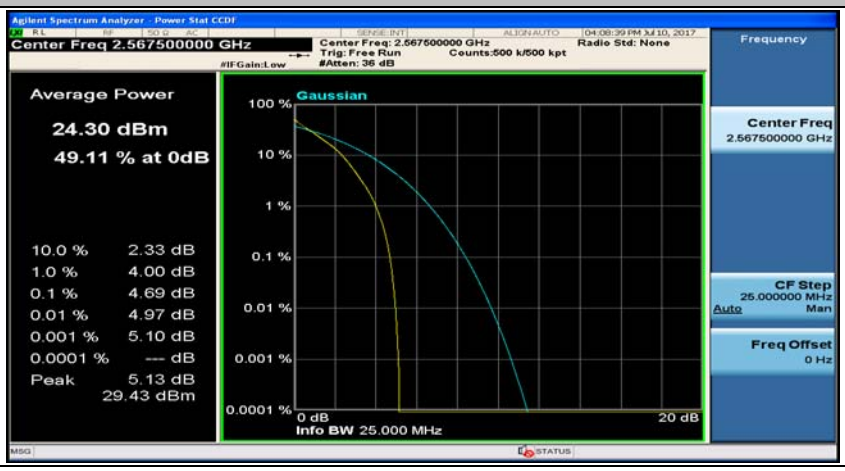
(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#24

(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

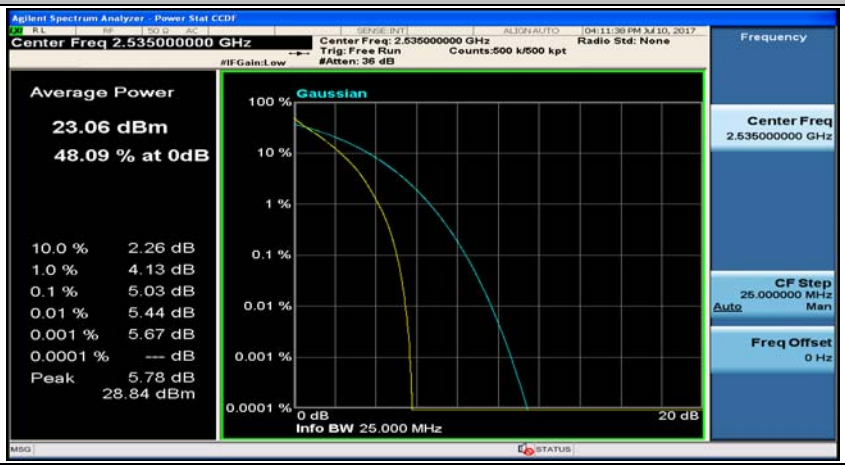
Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#49

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

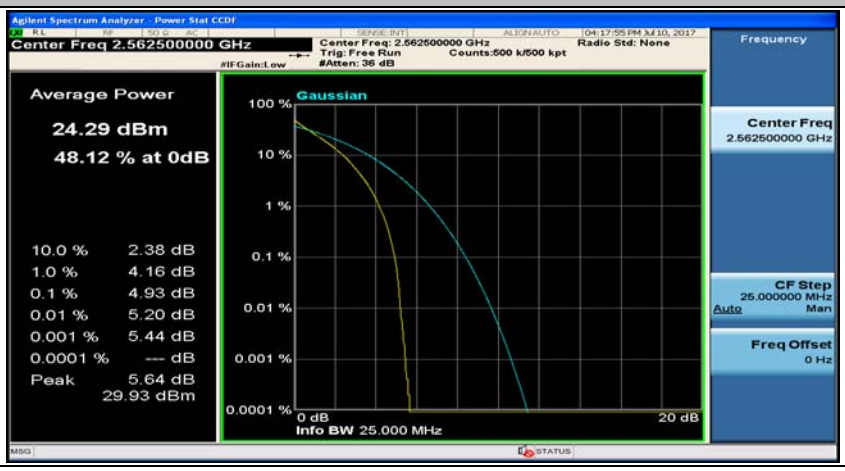
(Channel Bandwidth:15 MHz)_HCH_QPSK_1RB#74

(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