

E.2: Peak-to-Average Ratio

Channel Bandwidth 1.4 MHz						
Modulation	Channel	RB Configuration		Peak-to-Average Ratio (dB)	Limit (dB)	Verdict
		Size	Offset			
QPSK	LCH	1	0	4.98	<13	PASS
		1	3	4.75	<13	PASS
		1	5	4.6	<13	PASS
		3	0	4.72	<13	PASS
		3	2	4.62	<13	PASS
		3	3	4.48	<13	PASS
		6	0	5.47	<13	PASS
	MCH	1	0	5.72	<13	PASS
		1	3	5.69	<13	PASS
		1	5	5.77	<13	PASS
		3	0	6.09	<13	PASS
		3	2	6.05	<13	PASS
		3	3	6.02	<13	PASS
		6	0	6.45	<13	PASS
	HCH	1	0	4.39	<13	PASS
		1	3	4.34	<13	PASS
		1	5	4.49	<13	PASS
		3	0	4.45	<13	PASS
		3	2	4.52	<13	PASS
		3	3	4.47	<13	PASS
		6	0	5.18	<13	PASS
16QAM	LCH	1	0	5.77	<13	PASS
		1	3	5.58	<13	PASS
		1	5	5.48	<13	PASS
		3	0	5.55	<13	PASS
		3	2	5.49	<13	PASS
		3	3	5.41	<13	PASS
		6	0	6.45	<13	PASS
	MCH	1	0	6.79	<13	PASS
		1	3	6.75	<13	PASS
		1	5	6.89	<13	PASS
		3	0	7.09	<13	PASS
		3	2	7	<13	PASS
		3	3	6.96	<13	PASS
		6	0	7.4	<13	PASS
	HCH	1	0	5.24	<13	PASS
		1	3	5.44	<13	PASS
		1	5	5.4	<13	PASS

		3	0	5.12	<13	PASS
		3	2	5.06	<13	PASS
		3	3	5.16	<13	PASS
		6	0	5.87	<13	PASS

Channel Bandwidth 3 MHz						
Modulation	Channel	RB Configuration		Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
		Size	Offset			
QPSK	LCH	1	0	4.88	<13	PASS
		1	7	4.38	<13	PASS
		1	14	4.2	<13	PASS
		8	0	5.41	<13	PASS
		8	4	5.08	<13	PASS
		8	7	4.92	<13	PASS
		15	0	5.17	<13	PASS
	MCH	1	0	6.04	<13	PASS
		1	7	5.94	<13	PASS
		1	14	5.47	<13	PASS
		8	0	6.49	<13	PASS
		8	4	6.46	<13	PASS
		8	7	6.44	<13	PASS
		15	0	6.41	<13	PASS
	HCH	1	0	3.45	<13	PASS
		1	7	4.06	<13	PASS
		1	14	4.6	<13	PASS
		8	0	4.54	<13	PASS
		8	4	4.89	<13	PASS
		8	7	5.13	<13	PASS
		15	0	4.83	<13	PASS
16QAM	LCH	1	0	5.58	<13	PASS
		1	7	5.19	<13	PASS
		1	14	5.07	<13	PASS
		8	0	6.21	<13	PASS
		8	4	5.89	<13	PASS
		8	7	5.69	<13	PASS
		15	0	6.12	<13	PASS
	MCH	1	0	7.07	<13	PASS
		1	7	6.89	<13	PASS
		1	14	6.48	<13	PASS
		8	0	7.12	<13	PASS
		8	4	7.15	<13	PASS
		8	7	7.23	<13	PASS
		15	0	7.36	<13	PASS
	HCH	1	0	4.46	<13	PASS

		1	7	4.9	<13	PASS
		1	14	5.39	<13	PASS
		8	0	5.29	<13	PASS
		8	4	5.58	<13	PASS
		8	7	5.86	<13	PASS
		15	0	5.64	<13	PASS

Channel Bandwidth 5 MHz						
Modulation	Channel	RB Configuration		Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
		Size	Offset			
QPSK	LCH	1	0	4.8	<13	PASS
		1	12	3.98	<13	PASS
		1	24	4.81	<13	PASS
		12	0	5.28	<13	PASS
		12	6	4.95	<13	PASS
		12	13	5.06	<13	PASS
		25	0	5.29	<13	PASS
	MCH	1	0	5.56	<13	PASS
		1	12	5.8	<13	PASS
		1	24	4.83	<13	PASS
		12	0	6.38	<13	PASS
		12	6	6.47	<13	PASS
		12	13	6.23	<13	PASS
		25	0	6.37	<13	PASS
	HCH	1	0	3.9	<13	PASS
		1	12	3.58	<13	PASS
		1	24	4.61	<13	PASS
		12	0	4.47	<13	PASS
		12	6	4.41	<13	PASS
		12	13	4.97	<13	PASS
		25	0	4.86	<13	PASS
16QAM	LCH	1	0	5.59	<13	PASS
		1	12	4.91	<13	PASS
		1	24	5.63	<13	PASS
		12	0	6.15	<13	PASS
		12	6	5.82	<13	PASS
		12	13	5.86	<13	PASS
		25	0	6.09	<13	PASS
	MCH	1	0	6.55	<13	PASS
		1	12	6.68	<13	PASS
		1	24	5.58	<13	PASS
		12	0	7.25	<13	PASS
		12	6	7.24	<13	PASS
		12	13	7.11	<13	PASS

	HCH	25	0	7.09	<13	PASS
		1	0	4.61	<13	PASS
		1	12	4.29	<13	PASS
		1	24	5.28	<13	PASS
		12	0	5.45	<13	PASS
		12	6	5.39	<13	PASS
		12	13	5.86	<13	PASS
		25	0	5.67	<13	PASS

Channel Bandwidth 10 MHz						
Modulation	Channel	RB Configuration		Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
		Size	Offset			
QPSK	LCH	1	0	4.74	<13	PASS
		1	24	4.98	<13	PASS
		1	49	5.73	<13	PASS
		25	0	5.24	<13	PASS
		25	12	5.61	<13	PASS
		25	25	6.39	<13	PASS
		50	0	5.9	<13	PASS
	MCH	1	0	4.63	<13	PASS
		1	24	6.05	<13	PASS
		1	49	3.66	<13	PASS
		25	0	6.06	<13	PASS
		25	12	6.37	<13	PASS
		25	25	5.52	<13	PASS
		50	0	5.66	<13	PASS
	HCH	1	0	5.64	<13	PASS
		1	24	3.88	<13	PASS
		1	49	4.32	<13	PASS
		25	0	6.12	<13	PASS
		25	12	5.17	<13	PASS
		25	25	4.97	<13	PASS
		50	0	5.57	<13	PASS
16QAM	LCH	1	0	5.57	<13	PASS
		1	24	5.88	<13	PASS
		1	49	6.47	<13	PASS
		25	0	5.96	<13	PASS
		25	12	6.41	<13	PASS
		25	25	7.18	<13	PASS
		50	0	6.58	<13	PASS
	MCH	1	0	5.54	<13	PASS
		1	24	7.02	<13	PASS
		1	49	4.65	<13	PASS
		25	0	6.93	<13	PASS

		25	12	7.19	<13	PASS
		25	25	6.42	<13	PASS
		50	0	6.52	<13	PASS
	HCH	1	0	6.73	<13	PASS
		1	24	4.75	<13	PASS
		1	49	5.16	<13	PASS
		25	0	6.95	<13	PASS
		25	12	6.01	<13	PASS
		25	25	5.72	<13	PASS
		50	0	6.3	<13	PASS

Test Graphs

Channel Bandwidth: 1.4 MHz

(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_1RB#0



(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_1RB#3



(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_1RB#5



(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_3RB#0



(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_3RB#2



(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_3RB#3



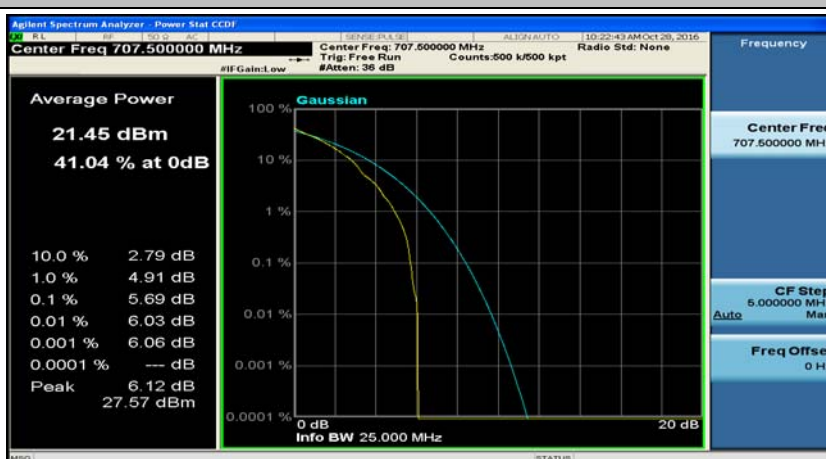
(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_6RB#0



(Channel Bandwidth: 1.4 MHz)_MCH_QPSK_1RB#0



(Channel Bandwidth: 1.4 MHz)_MCH_QPSK_1RB#3



(Channel Bandwidth: 1.4 MHz)_MCH_QPSK_1RB#5



(Channel Bandwidth: 1.4 MHz)_MCH_QPSK_3RB#0



(Channel Bandwidth: 1.4 MHz)_MCH_QPSK_3RB#2



(Channel Bandwidth: 1.4 MHz)_MCH_QPSK_3RB#3



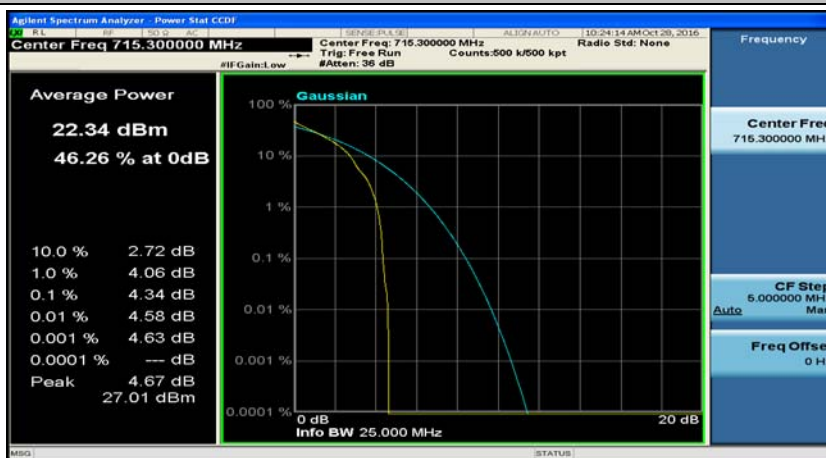
(Channel Bandwidth: 1.4 MHz)_MCH_QPSK_6RB#0



(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_1RB#0



(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_1RB#3



(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_1RB#5



(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_3RB#0



(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_3RB#2



(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_3RB#3



(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_6RB#0



(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_1RB#0



(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_1RB#3



(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_1RB#5



(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_3RB#0



(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_3RB#2



(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_3RB#3



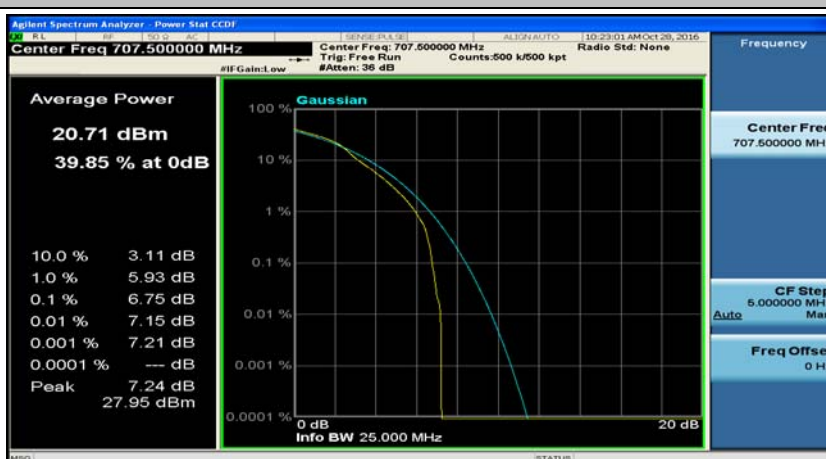
(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_6RB#0



(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_1RB#0



(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_1RB#3



(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_1RB#5



(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_3RB#0



(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_3RB#2



(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_3RB#3



(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_6RB#0



(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_1RB#0



(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_1RB#3



(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_1RB#5



(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_3RB#0



(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_3RB#2



(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_3RB#3



(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_6RB#0



Channel Bandwidth: 3 MHz

(Channel Bandwidth: 3 MHz)_LCH_QPSK_1RB#0



(Channel Bandwidth: 3 MHz)_LCH_QPSK_1RB#7



(Channel Bandwidth: 3 MHz)_LCH_QPSK_1RB#14



(Channel Bandwidth: 3 MHz)_LCH_QPSK_8RB#0



(Channel Bandwidth: 3 MHz)_LCH_QPSK_8RB#4



(Channel Bandwidth: 3 MHz)_LCH_QPSK_8RB#7



(Channel Bandwidth: 3 MHz)_LCH_QPSK_15RB#0



(Channel Bandwidth: 3 MHz)_MCH_QPSK_1RB#0



(Channel Bandwidth: 3 MHz)_MCH_QPSK_1RB#7



(Channel Bandwidth: 3 MHz)_MCH_QPSK_1RB#14



(Channel Bandwidth: 3 MHz)_MCH_QPSK_8RB#0



(Channel Bandwidth: 3 MHz)_MCH_QPSK_8RB#4



(Channel Bandwidth: 3 MHz)_MCH_QPSK_8RB#7



(Channel Bandwidth: 3 MHz)_MCH_QPSK_15RB#0



(Channel Bandwidth: 3 MHz)_HCH_QPSK_1RB#0



(Channel Bandwidth: 3 MHz)_HCH_QPSK_1RB#7



(Channel Bandwidth: 3 MHz)_HCH_QPSK_1RB#14



(Channel Bandwidth: 3 MHz)_HCH_QPSK_8RB#0



(Channel Bandwidth: 3 MHz)_HCH_QPSK_8RB#4



(Channel Bandwidth: 3 MHz)_HCH_QPSK_8RB#7



(Channel Bandwidth: 3 MHz)_HCH_QPSK_15RB#0



(Channel Bandwidth: 3 MHz)_LCH_16QAM_1RB#0



(Channel Bandwidth: 3 MHz)_LCH_16QAM_1RB#7



(Channel Bandwidth: 3 MHz)_LCH_16QAM_1RB#14



(Channel Bandwidth: 3 MHz)_LCH_16QAM_8RB#0



(Channel Bandwidth: 3 MHz)_LCH_16QAM_8RB#4



(Channel Bandwidth: 3 MHz)_LCH_16QAM_8RB#7



(Channel Bandwidth: 3 MHz)_LCH_16QAM_15RB#0



(Channel Bandwidth: 3 MHz)_MCH_16QAM_1RB#0



(Channel Bandwidth: 3 MHz)_MCH_16QAM_1RB#7



(Channel Bandwidth: 3 MHz)_MCH_16QAM_1RB#14



(Channel Bandwidth: 3 MHz)_MCH_16QAM_8RB#0



(Channel Bandwidth: 3 MHz)_MCH_16QAM_8RB#4



(Channel Bandwidth: 3 MHz)_MCH_16QAM_8RB#7



(Channel Bandwidth: 3 MHz)_MCH_16QAM_15RB#0



(Channel Bandwidth: 3 MHz)_HCH_16QAM_1RB#0



(Channel Bandwidth: 3 MHz)_HCH_16QAM_1RB#7



(Channel Bandwidth: 3 MHz)_HCH_16QAM_1RB#14



(Channel Bandwidth: 3 MHz)_HCH_16QAM_8RB#0



(Channel Bandwidth: 3 MHz)_HCH_16QAM_8RB#4



(Channel Bandwidth: 3 MHz)_HCH_16QAM_8RB#7



(Channel Bandwidth: 3 MHz)_HCH_16QAM_15RB#0

