

Appendix for Band 13

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	22.18	PASS
		1	12	22.26	PASS
		1	24	22.74	PASS
		12	0	21.76	PASS
		12	6	21.79	PASS
		12	13	21.67	PASS
		25	0	21.76	PASS
	MCH	1	0	22.62	PASS
		1	12	22.84	PASS
		1	24	22.35	PASS
		12	0	21.65	PASS
		12	6	21.38	PASS
		12	13	21.65	PASS
		25	0	21.83	PASS
	HCH	1	0	22.32	PASS
		1	12	22.08	PASS
		1	24	22.32	PASS
		12	0	21.73	PASS
		12	6	21.82	PASS
		12	13	21.74	PASS
		25	0	21.62	PASS
16QAM	LCH	1	0	21.93	PASS
		1	12	21.93	PASS
		1	24	21.32	PASS
		12	0	20.64	PASS
		12	6	20.55	PASS
		12	13	20.7	PASS
		25	0	20.78	PASS
	MCH	1	0	21.94	PASS
		1	12	21.26	PASS
		1	24	21.89	PASS

		12	0	20.93	PASS
		12	6	20.67	PASS
		12	13	20.88	PASS
		25	0	20.89	PASS
	HCH	1	0	21.94	PASS
		1	12	21.19	PASS
		1	24	20.87	PASS
		12	0	20.74	PASS
		12	6	20.8	PASS
		12	13	20.82	PASS
		25	0	20.87	PASS

Channel Bandwidth: 10 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	MCH	1	0	22.88	PASS
		1	24	22.65	PASS
		1	49	22.21	PASS
		25	0	21.65	PASS
		25	12	21.79	PASS
		25	25	21.87	PASS
		50	0	21.86	PASS
16QAM	MCH	1	0	21.95	PASS
		1	24	21.2	PASS
		1	49	21.96	PASS
		25	0	20.93	PASS
		25	12	20.84	PASS
		25	25	20.91	PASS
		50	0	20.87	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	4.14	<13	PASS
		1	12	4.76	<13	PASS
		1	24	4.86	<13	PASS
		12	0	5.16	<13	PASS
		12	6	5.4	<13	PASS
		12	13	5.58	<13	PASS
		25	0	5.42	<13	PASS
	MCH	1	0	4.87	<13	PASS
		1	12	4.66	<13	PASS
		1	24	4.48	<13	PASS
		12	0	5.59	<13	PASS
		12	6	5.61	<13	PASS
		12	13	5.48	<13	PASS
		25	0	5.57	<13	PASS
	HCH	1	0	4.87	<13	PASS
		1	12	4.42	<13	PASS
		1	24	4.4	<13	PASS
		12	0	5.5	<13	PASS
		12	6	5.31	<13	PASS
		12	13	5.13	<13	PASS
		25	0	5.3	<13	PASS
16QAM	LCH	1	0	5.15	<13	PASS
		1	12	5.71	<13	PASS
		1	24	5.86	<13	PASS
		12	0	6.1	<13	PASS
		12	6	6.23	<13	PASS
		12	13	6.42	<13	PASS
		25	0	6.23	<13	PASS
	MCH	1	0	5.47	<13	PASS
		1	12	5.56	<13	PASS
		1	24	5.28	<13	PASS
		12	0	6.44	<13	PASS

		12	6	6.43	<13	PASS
		12	13	6.37	<13	PASS
		25	0	6.38	<13	PASS
	HCH	1	0	5.83	<13	PASS
		1	12	5.32	<13	PASS
		1	24	5.26	<13	PASS
		12	0	6.44	<13	PASS
		12	6	6.2	<13	PASS
		12	13	5.99	<13	PASS
		25	0	6.11	<13	PASS

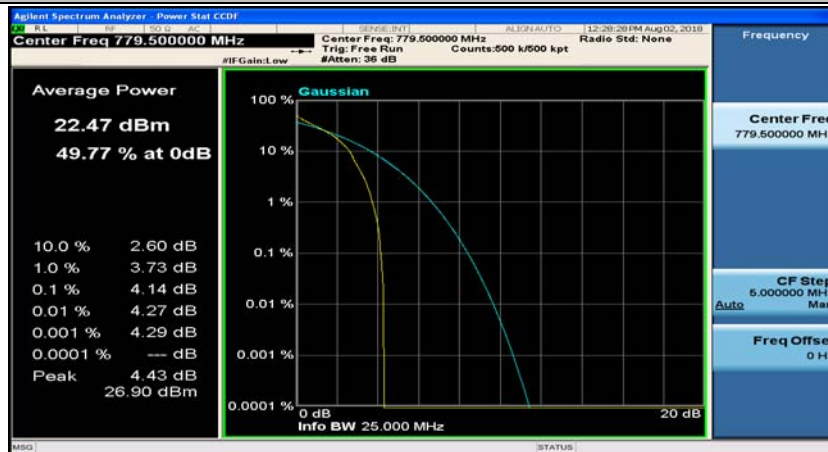
Channel Bandwidth: 10 MHz

Channel Bandwidth: 10 MHz						
Modulation	Channel	RB Configuration		Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
		Size	Offset			
QPSK	MCH	1	0	4.2	<13	PASS
		1	24	4.67	<13	PASS
		1	49	4.23	<13	PASS
		25	0	5.39	<13	PASS
		25	12	5.59	<13	PASS
		25	25	5.3	<13	PASS
		50	0	5.36	<13	PASS
16QAM	MCH	1	0	5.23	<13	PASS
		1	24	5.66	<13	PASS
		1	49	5.16	<13	PASS
		25	0	6.23	<13	PASS
		25	12	6.45	<13	PASS
		25	25	6.14	<13	PASS
		50	0	6.2	<13	PASS

Test Graphs

Channel Bandwidth: 5 MHz

(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#0



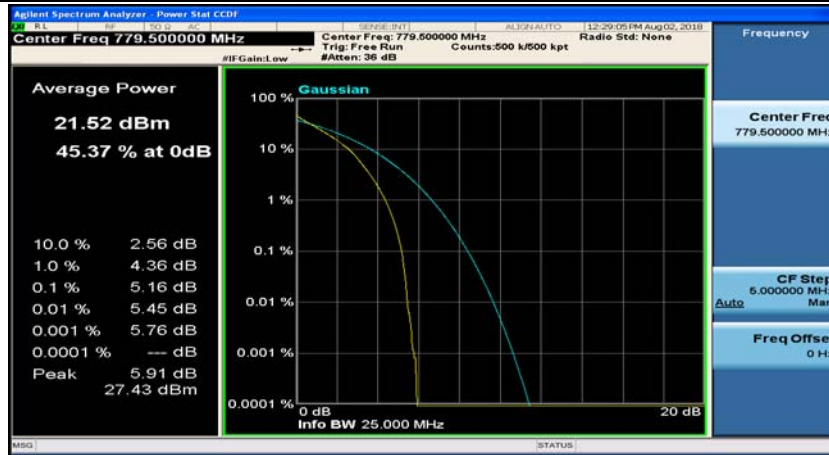
(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#12



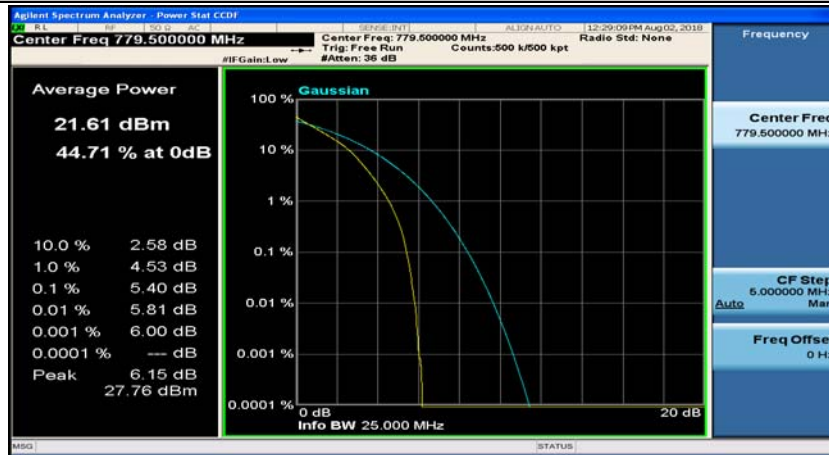
(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#24



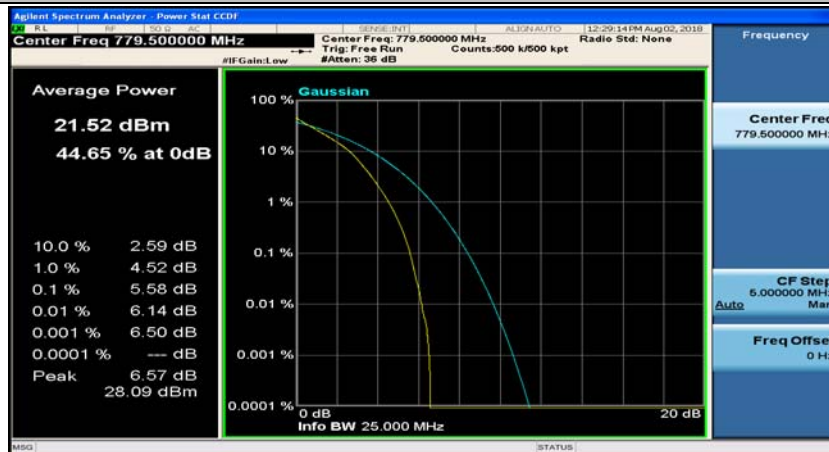
(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#0



(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#6



(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#13



(Channel Bandwidth: 5 MHz)_LCH_QPSK_25RB#0



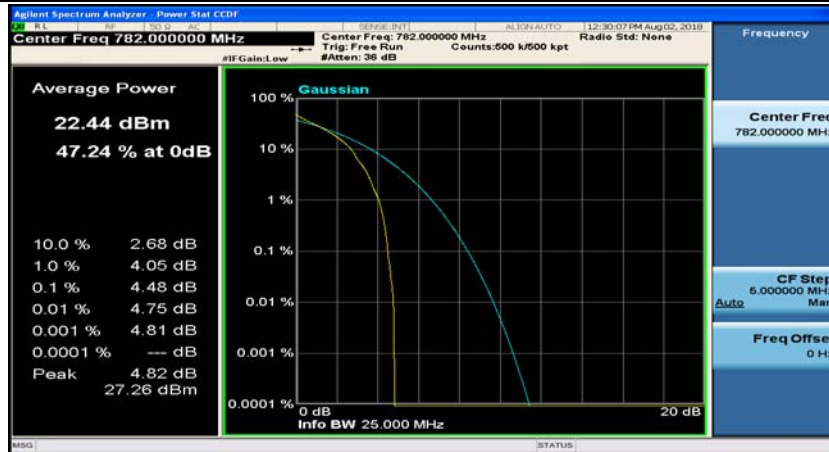
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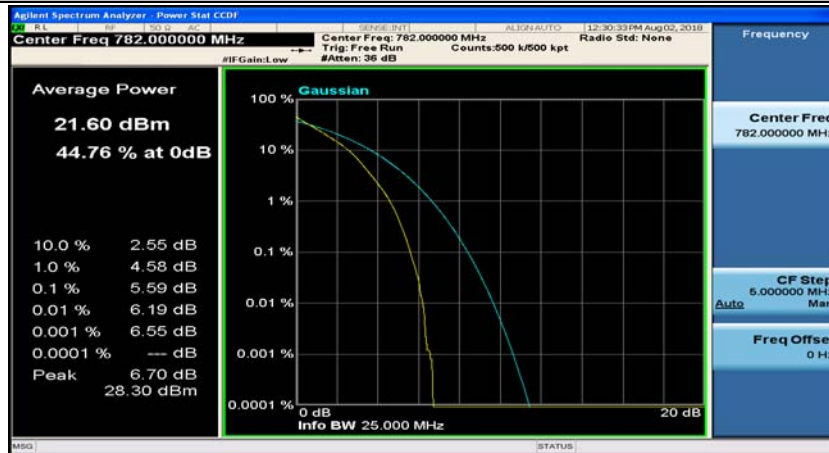
(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#12



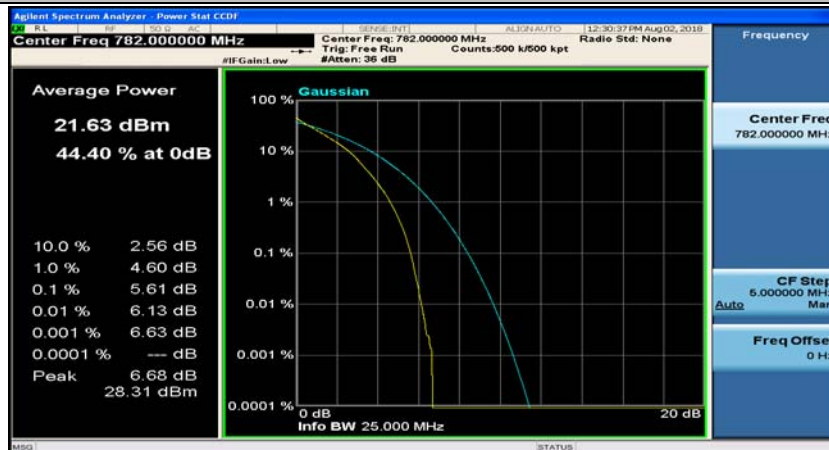
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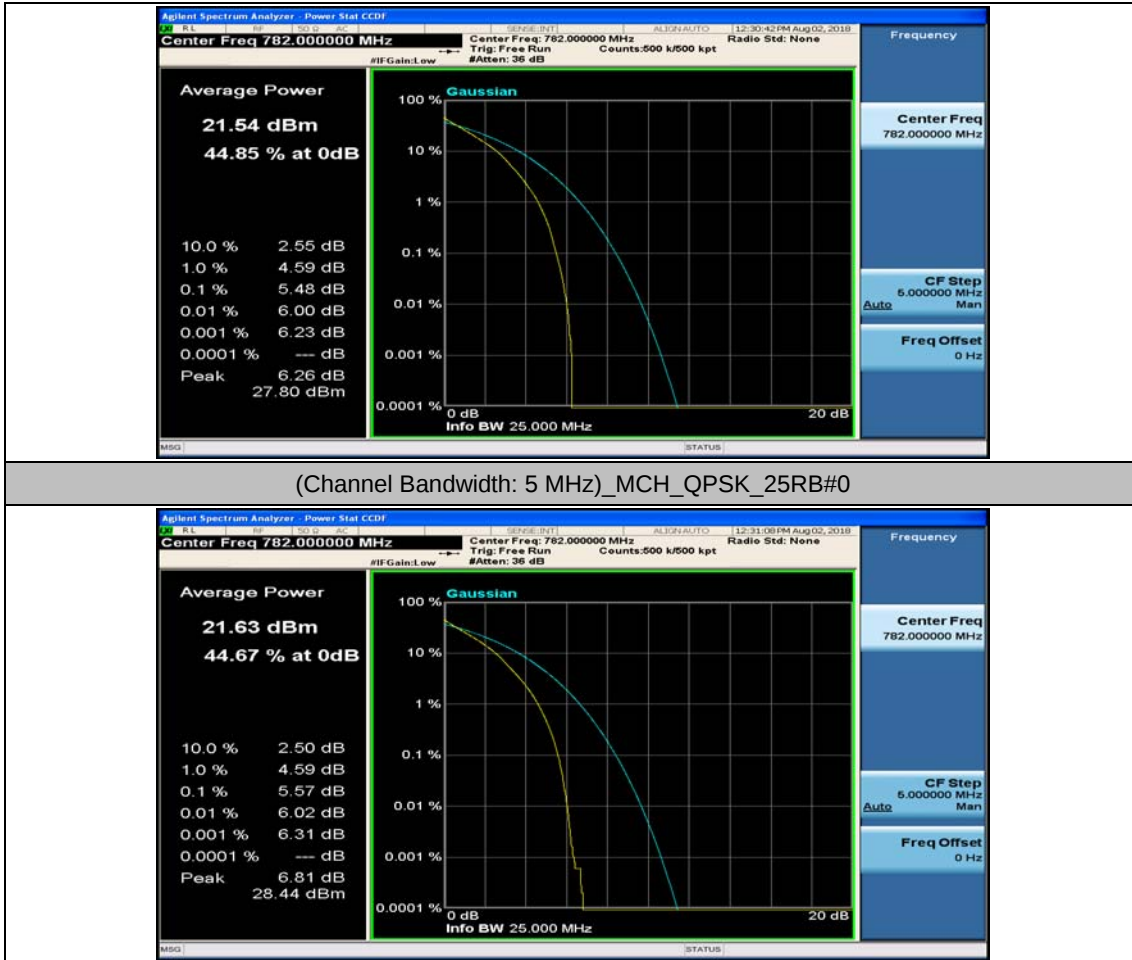
(Channel Bandwidth: 5 MHz)_MCH_QPSK_12RB#0



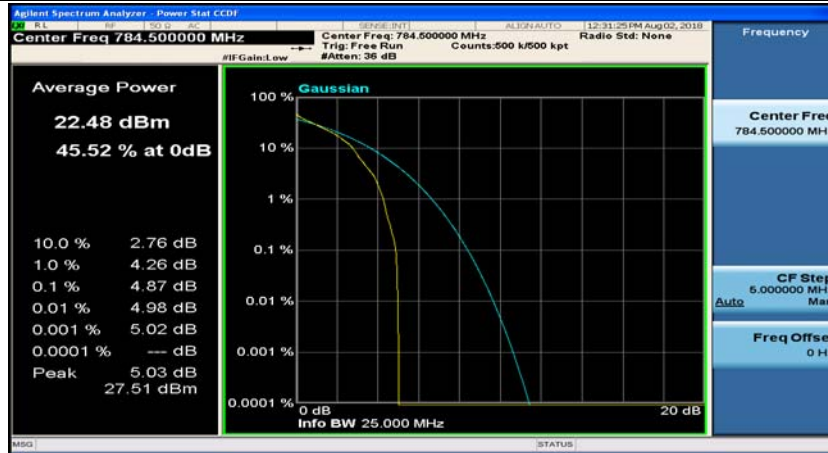
(Channel Bandwidth: 5 MHz)_MCH_QPSK_12RB#6



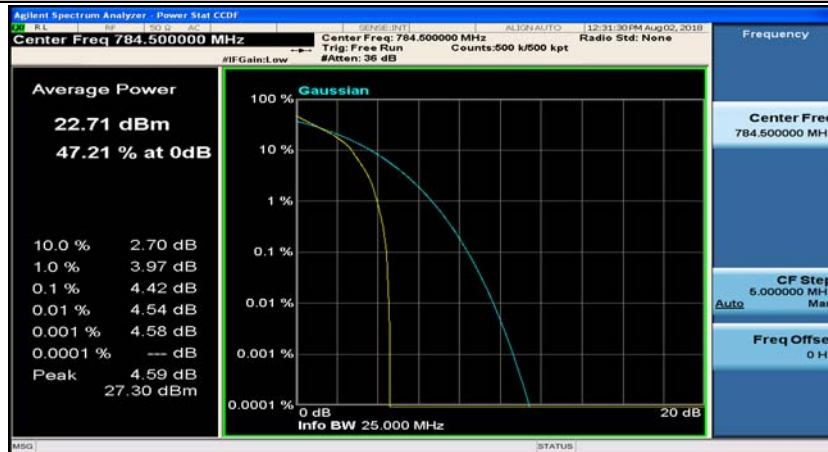
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(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#0



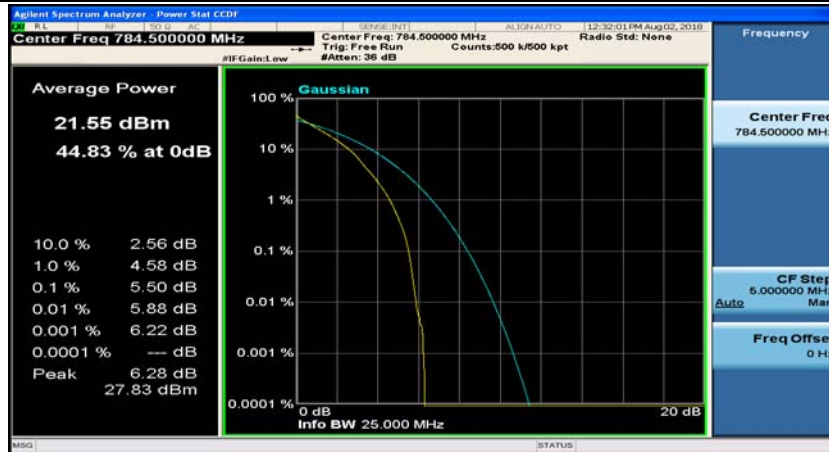
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(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#24



(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



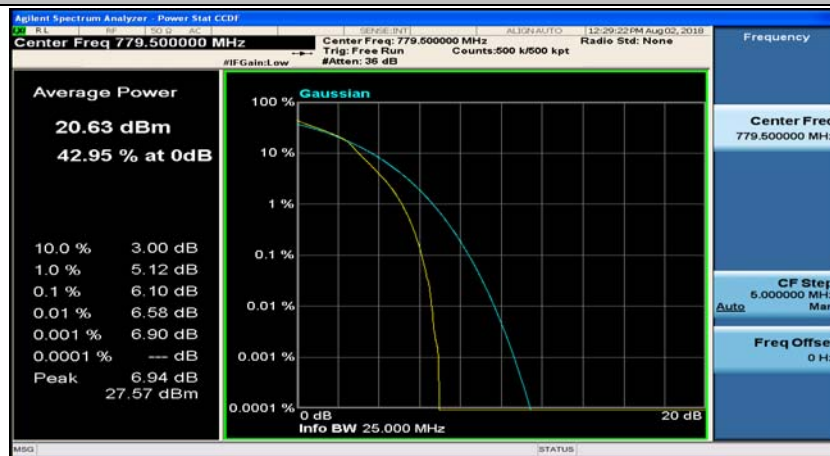
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(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#24



(Channel Bandwidth: 5 MHz)_LCH_16QAM_12RB#0



(Channel Bandwidth: 5 MHz)_LCH_16QAM_12RB#6



(Channel Bandwidth: 5 MHz)_LCH_16QAM_12RB#13



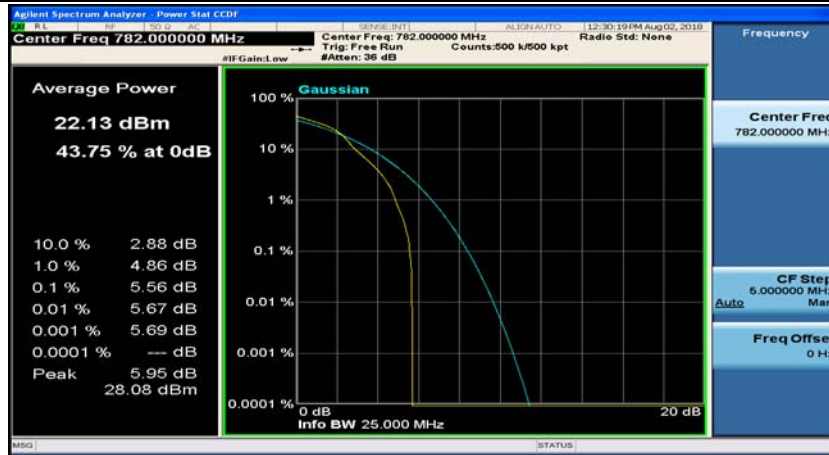
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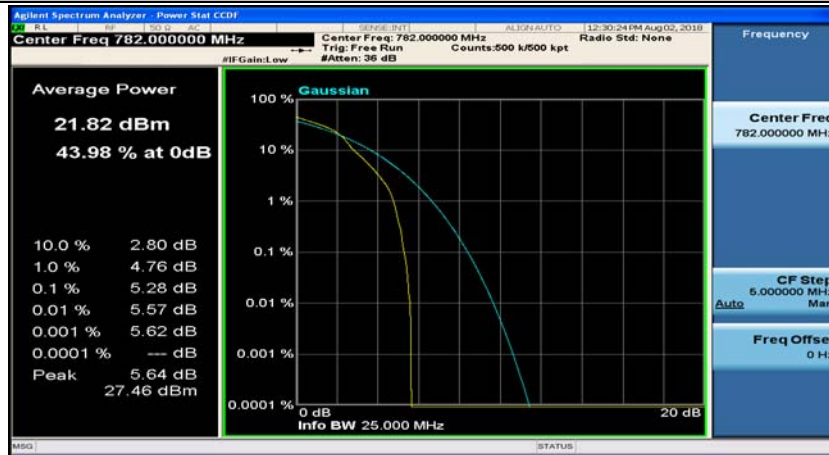
(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#0



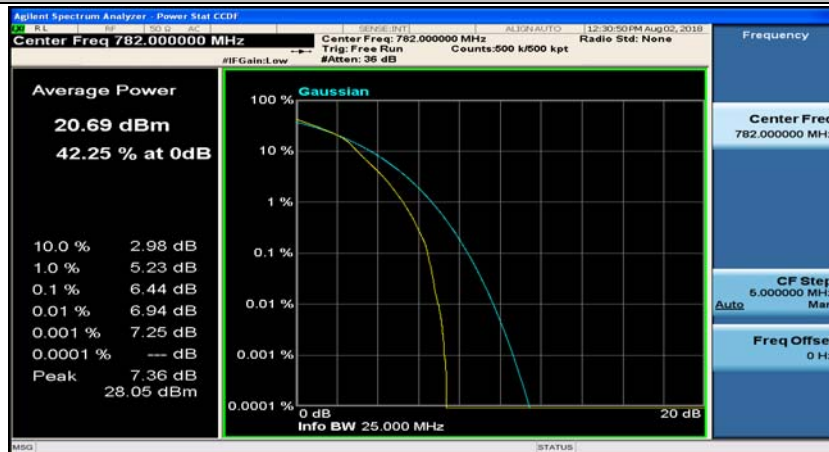
(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#12



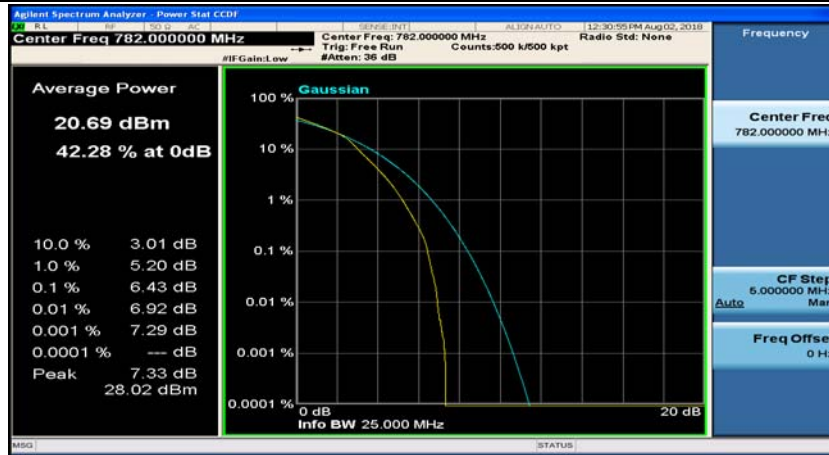
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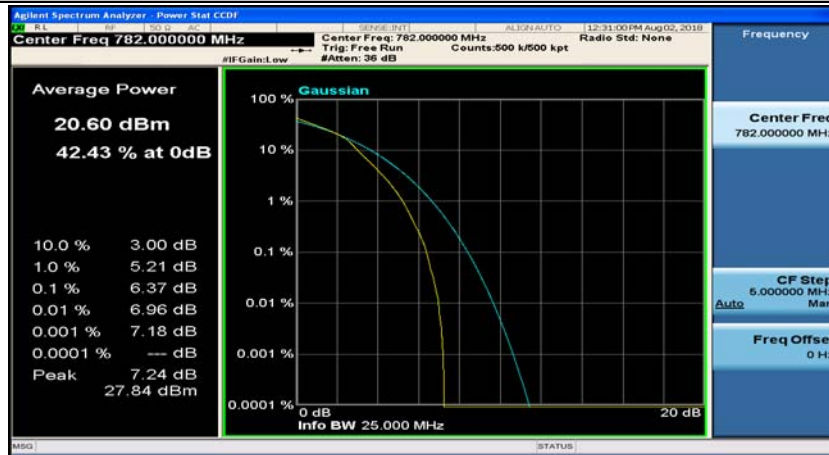
(Channel Bandwidth: 5 MHz)_MCH_16QAM_12RB#0



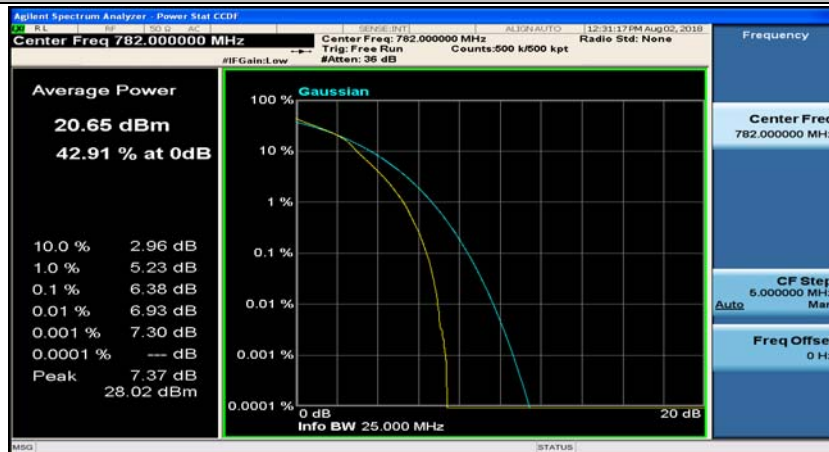
(Channel Bandwidth: 5 MHz)_MCH_16QAM_12RB#6



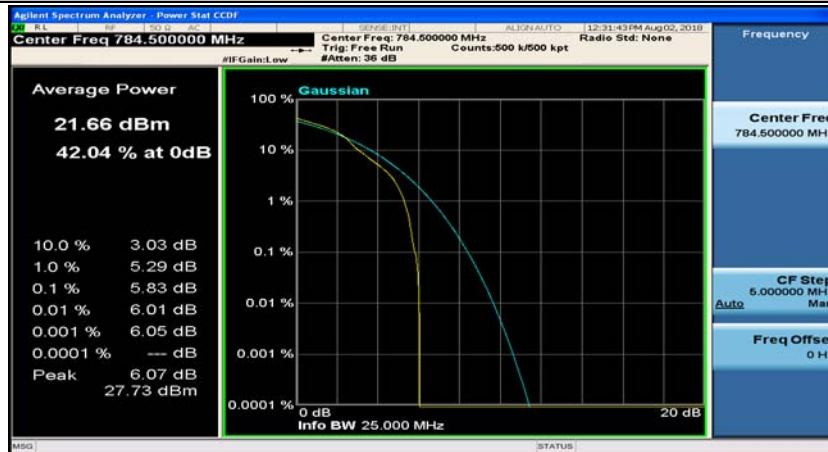
(Channel Bandwidth: 5 MHz)_MCH_16QAM_12RB#13



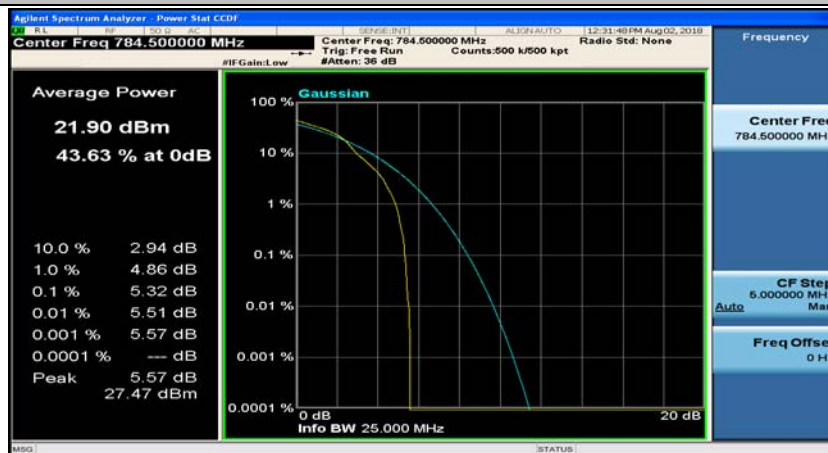
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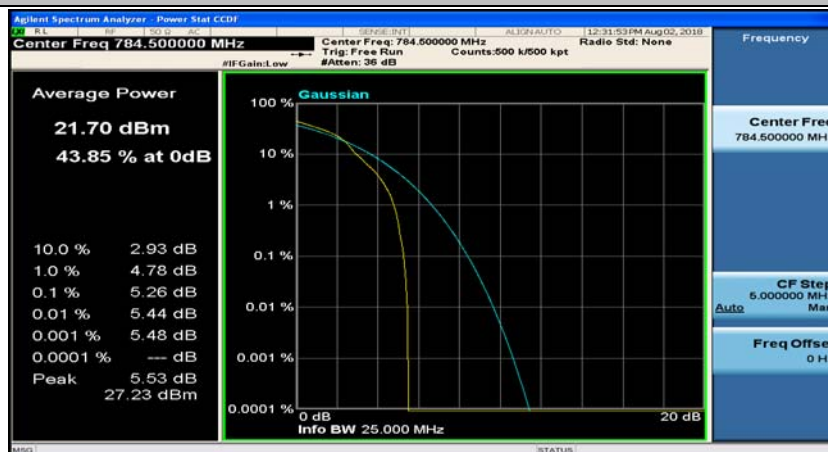
(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#0



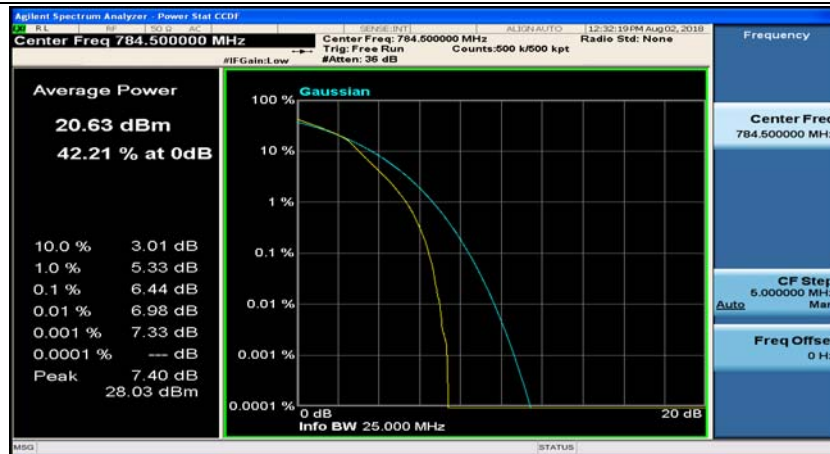
(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#12



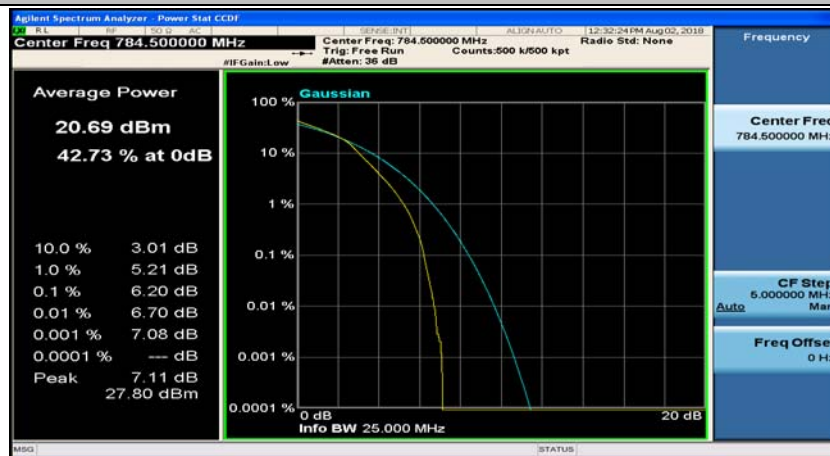
(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#24



(Channel Bandwidth: 5 MHz)_HCH_16QAM_12RB#0



(Channel Bandwidth: 5 MHz)_HCH_16QAM_12RB#6



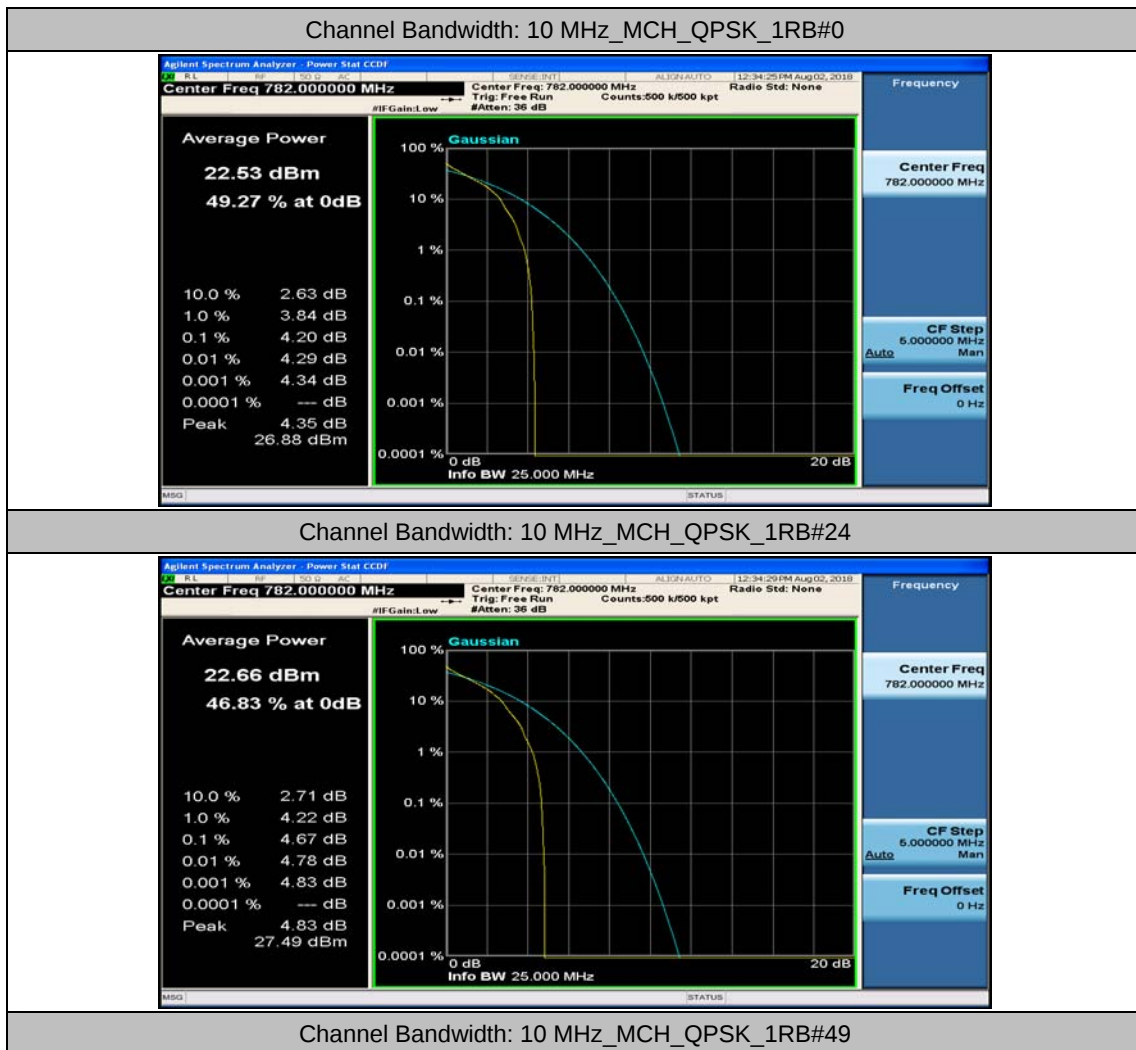
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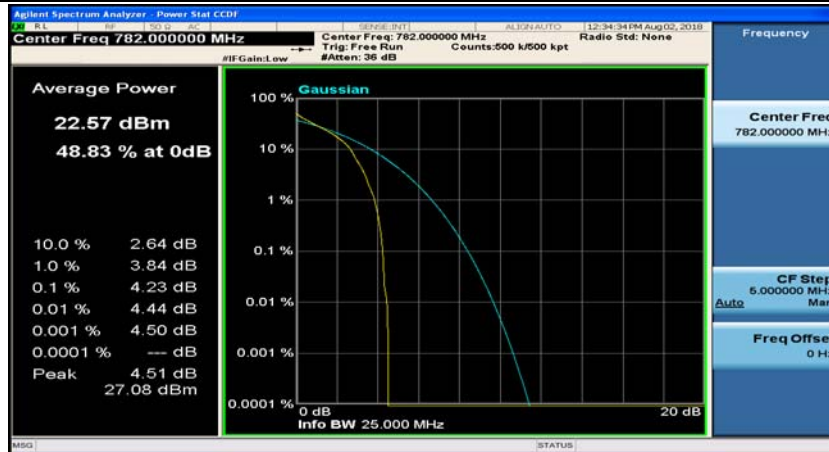


(Channel Bandwidth: 5 MHz)_HCH_16QAM_25RB#0



Channel Bandwidth: 10 MHz





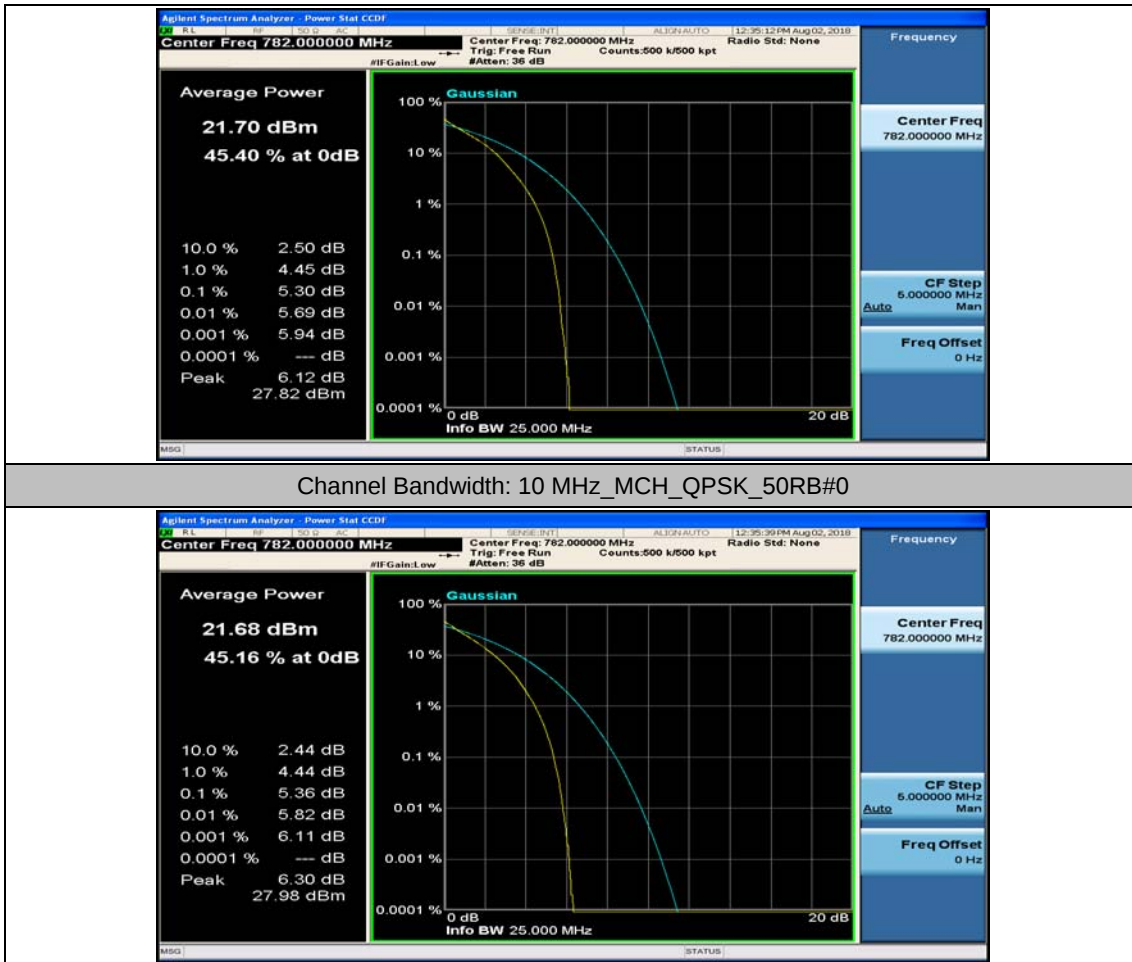
Channel Bandwidth: 10 MHz_MCH_QPSK_25RB#0



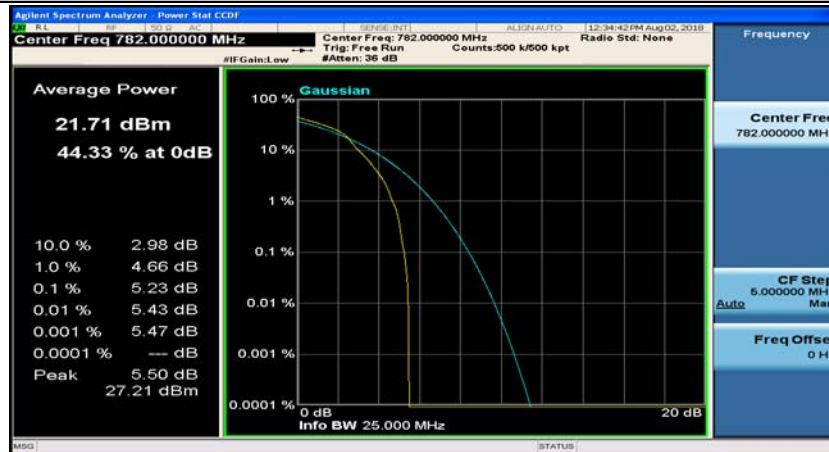
Channel Bandwidth: 10 MHz_MCH_QPSK_25RB#12



Channel Bandwidth: 10 MHz_MCH_QPSK_25RB#25



Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#0



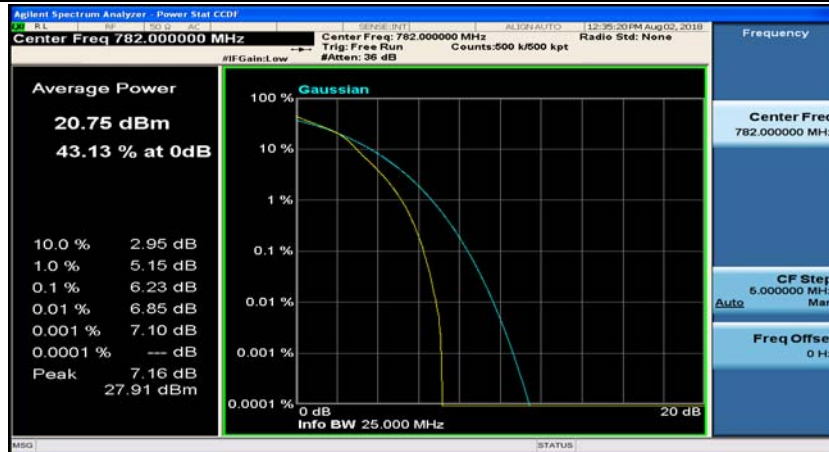
Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#24



Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#49



Channel Bandwidth: 10 MHz_MCH_16QAM_25RB#0





Appendix C: 26dB Bandwidth and Occupied Bandwidth

Test Result

Channel Bandwidth: 5 MHz

Channel Bandwidth: 5 MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		Size	Offset			
QPSK	LCH	25	0	4.4798	4.901	PASS
	MCH	25	0	4.4772	4.901	PASS
	HCH	25	0	4.4870	4.878	PASS
16QAM	LCH	25	0	4.4742	4.843	PASS
	MCH	25	0	4.4782	4.793	PASS
	HCH	25	0	4.4735	4.816	PASS

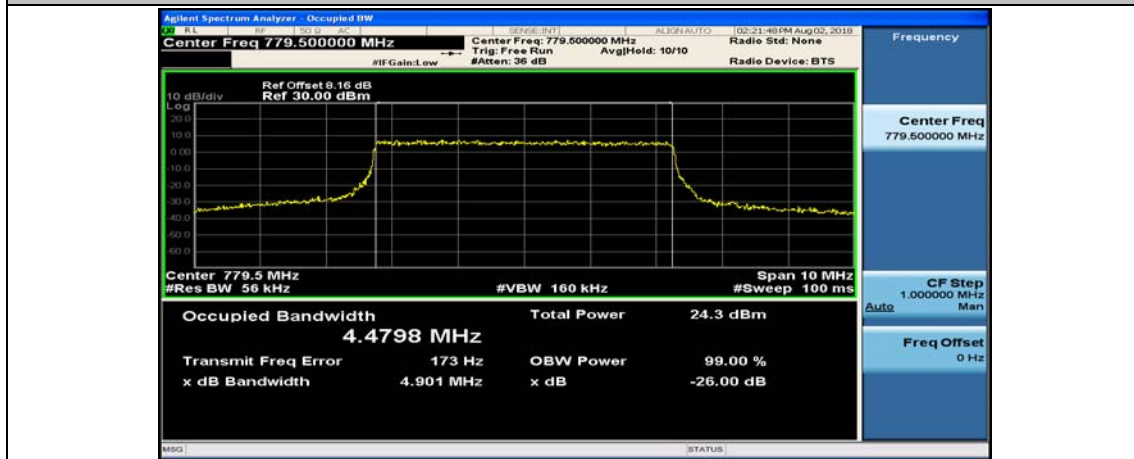
Channel Bandwidth: 10 MHz

Channel Bandwidth: 10 MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		Size	Offset			
QPSK	MCH	50	0	8.9558	9.563	PASS
16QAM	MCH	50	0	8.9411	9.552	PASS

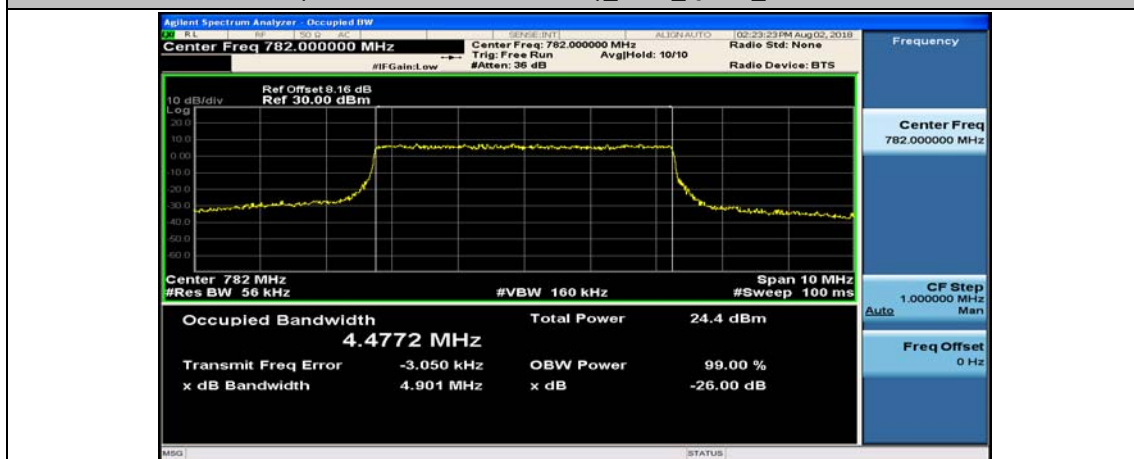
Test Graphs

Channel Bandwidth: 5 MHz

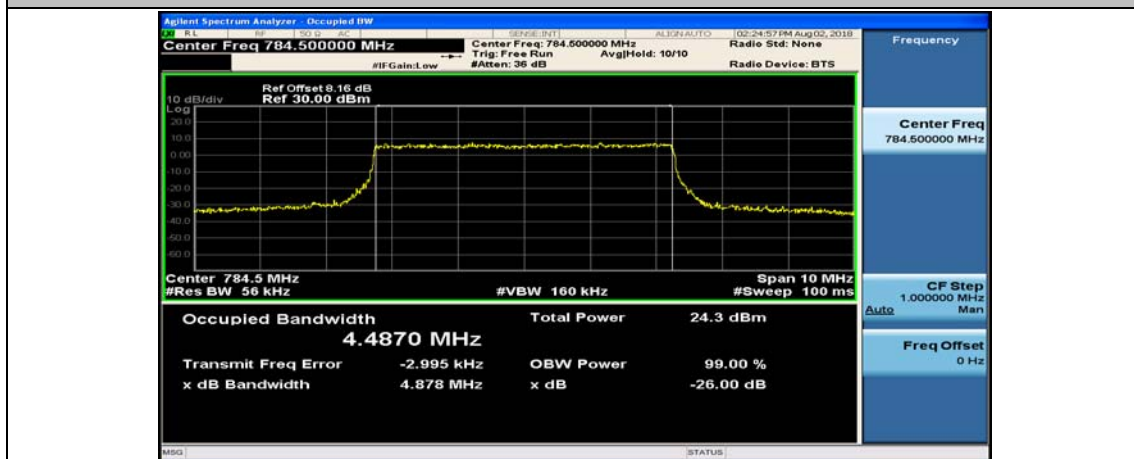
(Channel Bandwidth: 5 MHz)_LCH_QPSK_25RB#0



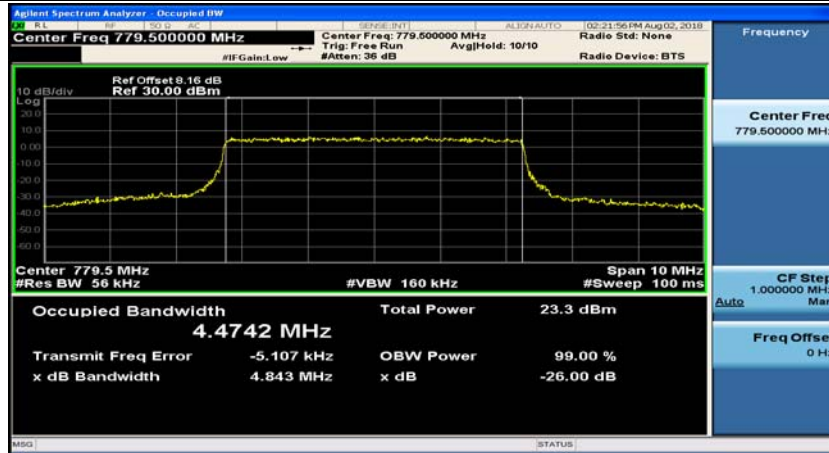
(Channel Bandwidth: 5 MHz)_MCH_QPSK_25RB#0



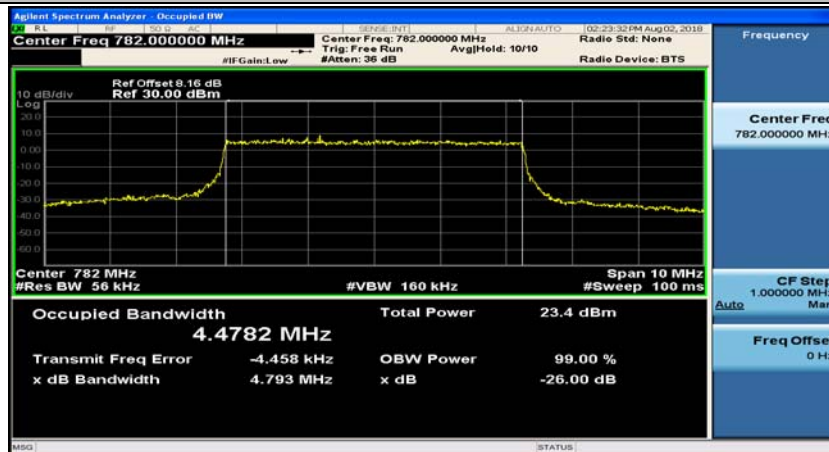
(Channel Bandwidth: 5 MHz)_HCH_QPSK_25RB#0



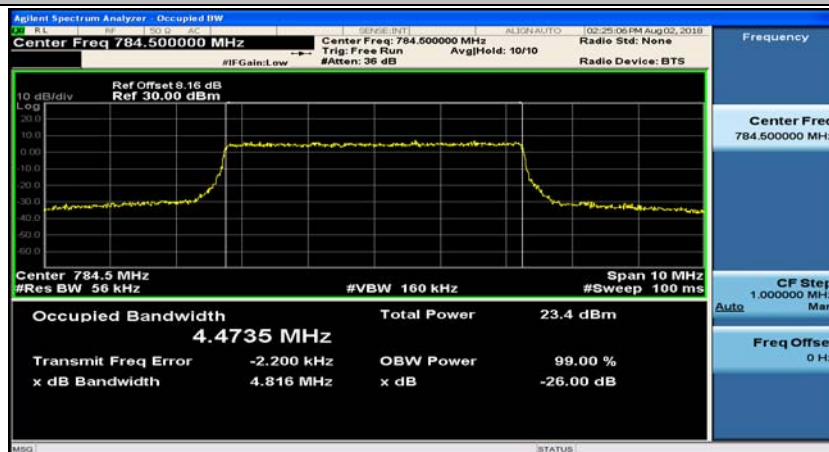
(Channel Bandwidth: 5 MHz)_LCH_16QAM_25RB#0



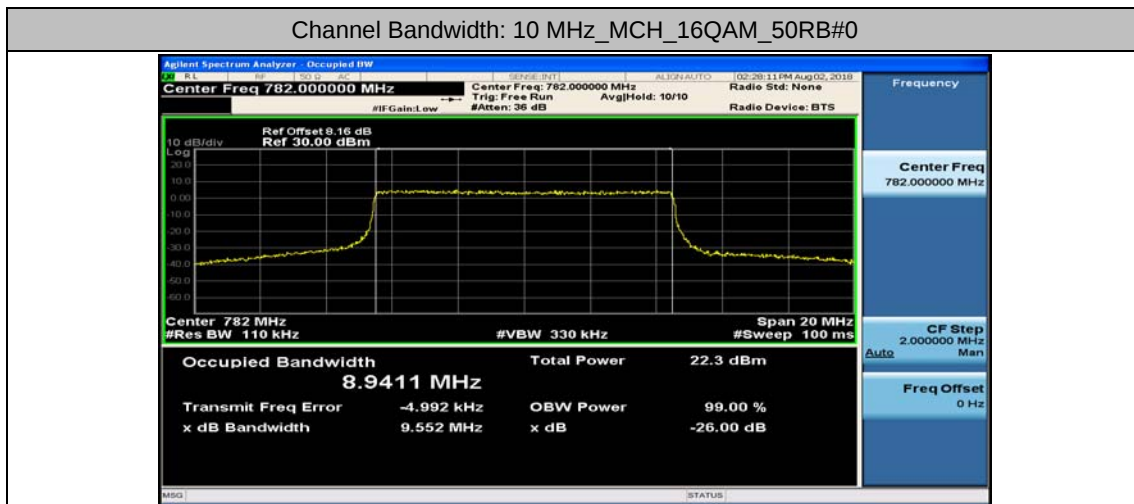
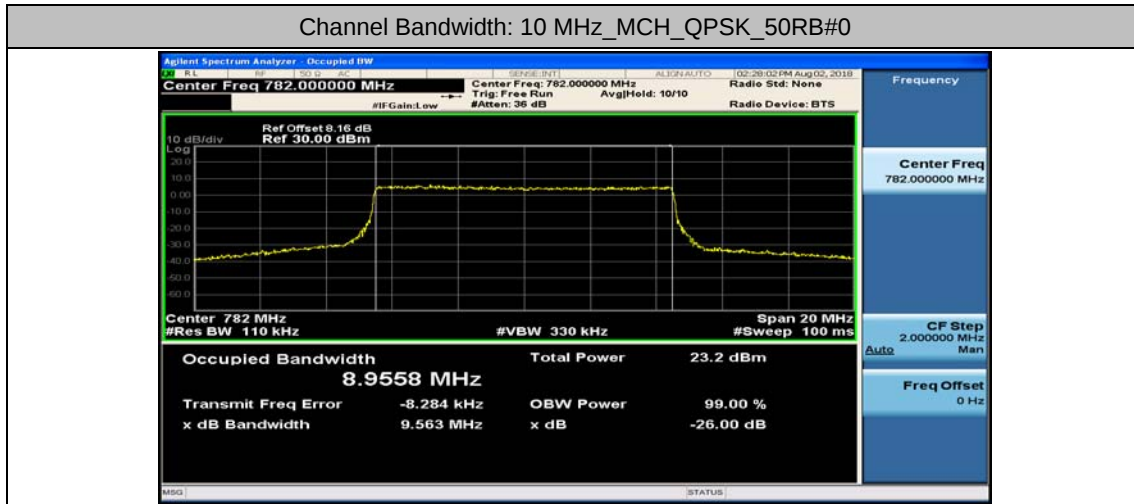
(Channel Bandwidth: 5 MHz)_MCH_16QAM_25RB#0



(Channel Bandwidth: 5 MHz)_HCH_16QAM_25RB#0



Channel Bandwidth: 10 MHz

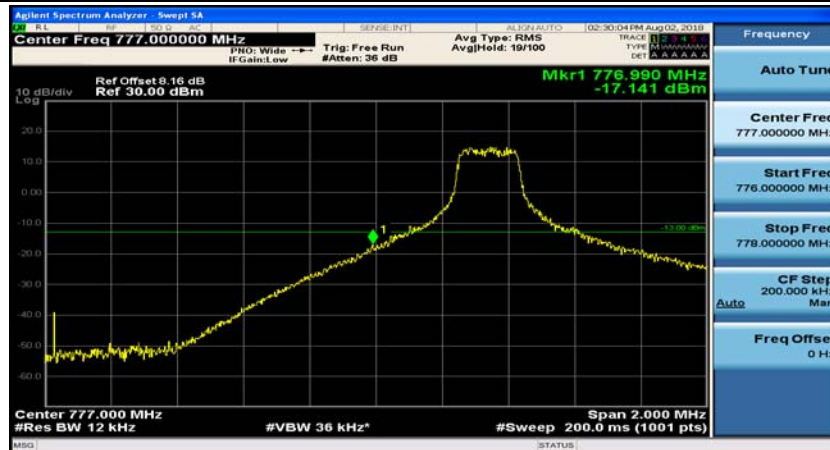


Appendix D: Band Edge

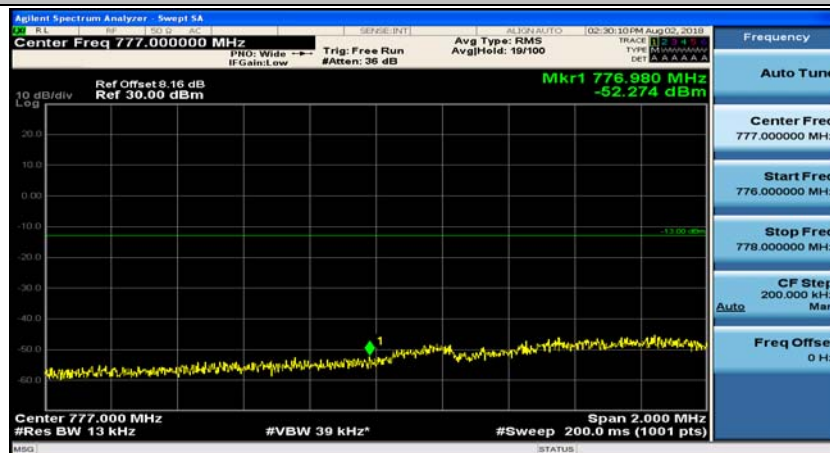
Test Graphs

Channel Bandwidth: 5 MHz

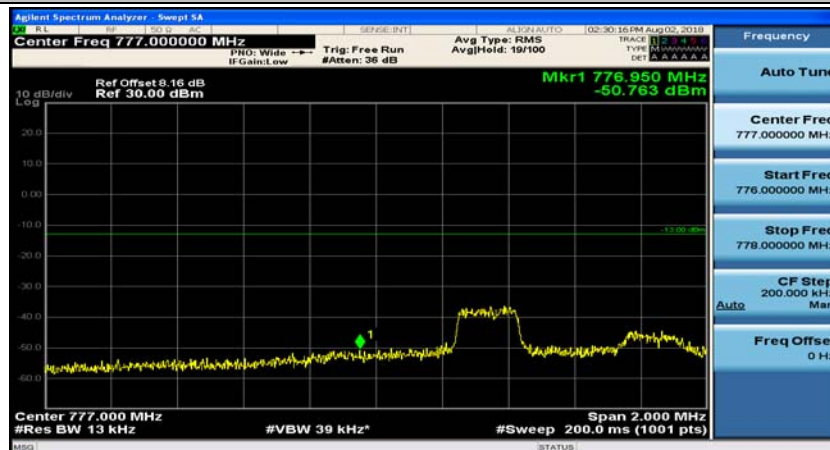
(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#0



(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#12



(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#24



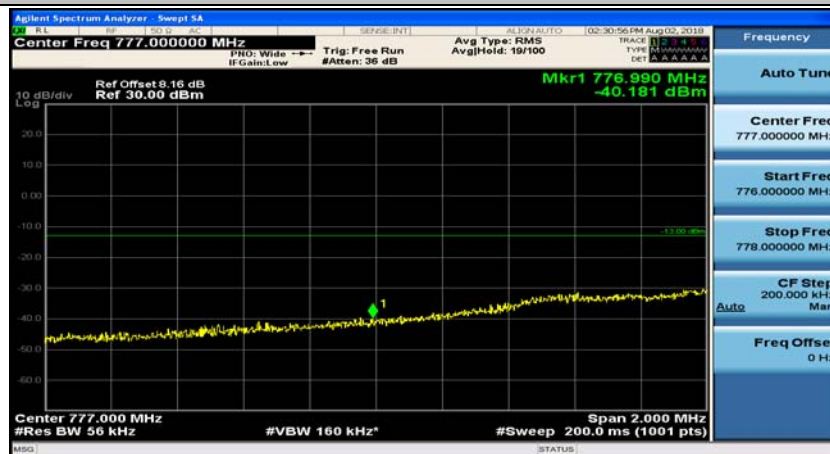
(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#0



(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#6



(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#13



(Channel Bandwidth: 5 MHz)_LCH_QPSK_25RB#0