Appendix for Band 12

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	23.49	PASS
		1	12	23.67	PASS
		1	24	23.7	PASS
		12	0	22.51	PASS
		12	6	22.56	PASS
		12	13	22.65	PASS
		25	0	22.52	PASS
	MCH	1	0	23.7	PASS
		1	12	23.85	PASS
		1	24	23.86	PASS
		12	0	22.68	PASS
		12	6	22.73	PASS
		12	13	22.71	PASS
		25	0	22.68	PASS
	HCH	1	0	23.74	PASS
		1	12	23.77	PASS
		1	24	23.73	PASS
		12	0	22.74	PASS
		12	6	22.74	PASS
		12	13	22.71	PASS
		25	0	22.78	PASS
16QAM	LCH	1	0	22.63	PASS
		1	12	22.72	PASS
		1	24	22.87	PASS
		12	0	21.57	PASS
		12	6	21.59	PASS
		12	13	21.7	PASS
		25	0	21.5	PASS
	MCH	1	0	22.71	PASS
		1	12	22.5	PASS
		1	24	22.52	PASS

		12	0	21.62	PASS
		12	6	21.7	PASS
		12	13	21.8	PASS
		25	0	21.67	PASS
	HCH	1	0	22.49	PASS
		1	12	22.17	PASS
		1	24	22	PASS
		12	0	21.88	PASS
		12	6	21.89	PASS
		12	13	21.86	PASS
		25	0	21.77	PASS

Channel Bandwidth: 10 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	MCH	1	0	23.4	PASS
		1	24	23.66	PASS
		1	49	23.94	PASS
		25	0	22.53	PASS
		25	12	22.65	PASS
		25	25	22.79	PASS
		50	0	22.66	PASS
16QAM	MCH	1	0	22.6	PASS
		1	24	22.9	PASS
		1	49	23	PASS
		25	0	21.49	PASS
		25	12	21.65	PASS
		25	25	21.78	PASS
		50	0	21.63	PASS
		50	0	21.64	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	3.96	<13	PASS
		1	12	3.18	<13	PASS
		1	24	3.86	<13	PASS
		12	0	4.31	<13	PASS
		12	6	4.06	<13	PASS
		12	13	4.12	<13	PASS
		25	0	4.52	<13	PASS
	MCH	1	0	3.15	<13	PASS
		1	12	3.87	<13	PASS
		1	24	4.58	<13	PASS
		12	0	4.24	<13	PASS
		12	6	4.6	<13	PASS
		12	13	5.13	<13	PASS
		25	0	4.79	<13	PASS
	HCH	1	0	4.18	<13	PASS
		1	12	4.91	<13	PASS
		1	24	4.61	<13	PASS
		12	0	5.18	<13	PASS
		12	6	5.35	<13	PASS
		12	13	5.31	<13	PASS
		25	0	5.35	<13	PASS
16QAM	LCH	1	0	5.08	<13	PASS
		1	12	4.24	<13	PASS
		1	24	4.74	<13	PASS
		12	0	5.25	<13	PASS
		12	6	4.92	<13	PASS
		12	13	5.02	<13	PASS
		25	0	5.33	<13	PASS
	MCH	1	0	4.02	<13	PASS
		1	12	4.63	<13	PASS
		1	24	5.56	<13	PASS
		12	0	5.05	<13	PASS
		12	6	5.44	<13	PASS

		12	13	5.92	<13	PASS
		25	0	5.6	<13	PASS
	HCH	1	0	4.9	<13	PASS
		1	12	5.57	<13	PASS
		1	24	5.48	<13	PASS
		12	0	6.02	<13	PASS
		12	6	6.23	<13	PASS
		12	13	6.18	<13	PASS
		25	0	6.11	<13	PASS

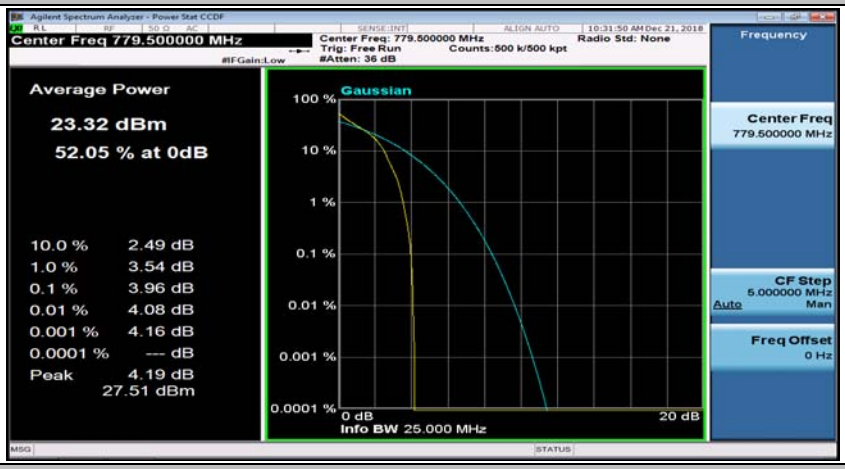
Channel Bandwidth: 10 MHz

Channel Bandwidth: 10 MHz						
Modulation	Channel	RB Configuration		Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
		Size	Offset			
QPSK	MCH	1	0	3.83	<13	PASS
		1	24	3.9	<13	PASS
		1	49	4.62	<13	PASS
		25	0	4.49	<13	PASS
		25	12	4.71	<13	PASS
		25	25	5.25	<13	PASS
		50	0	5.01	<13	PASS
16QAM	MCH	1	0	4.81	<13	PASS
		1	24	4.64	<13	PASS
		1	49	5.48	<13	PASS
		25	0	5.27	<13	PASS
		25	12	5.61	<13	PASS
		25	25	6.12	<13	PASS
		50	0	5.79	<13	PASS
		50	0	5.77	<13	PASS

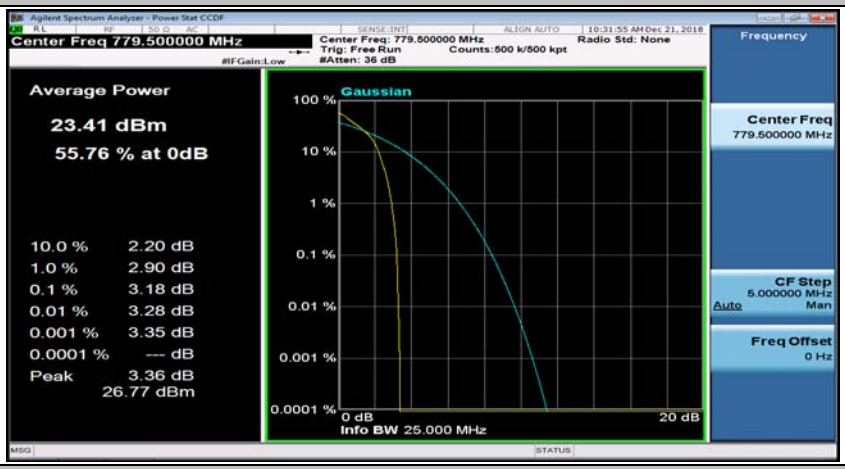
Test Graphs

Channel Bandwidth: 5 MHz

(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#0

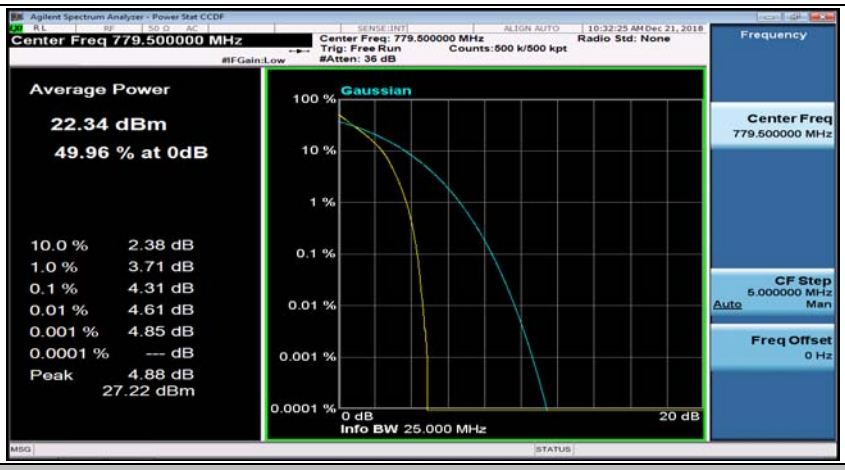


(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#12

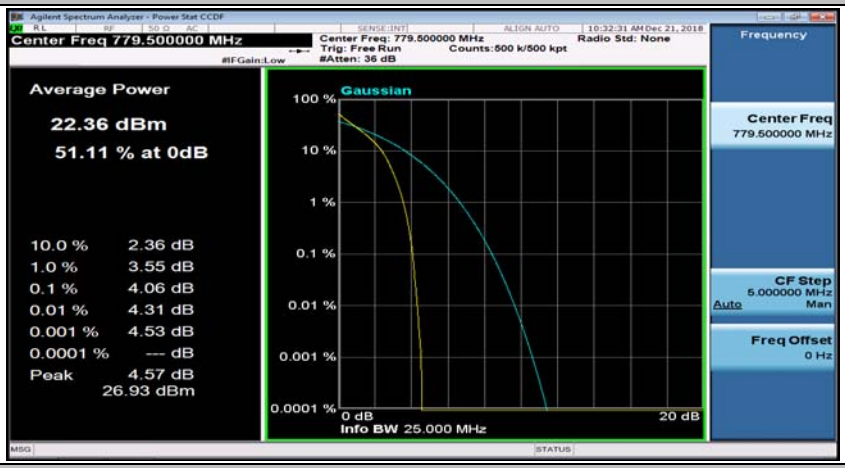


(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#24

(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#0

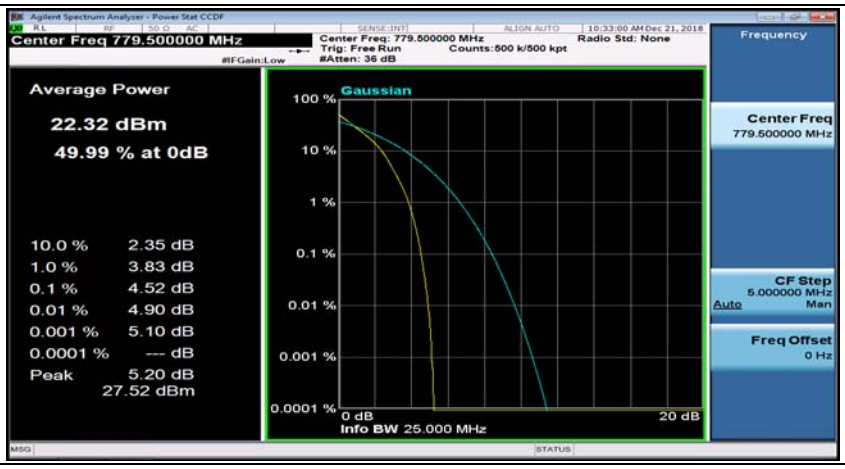


(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#6

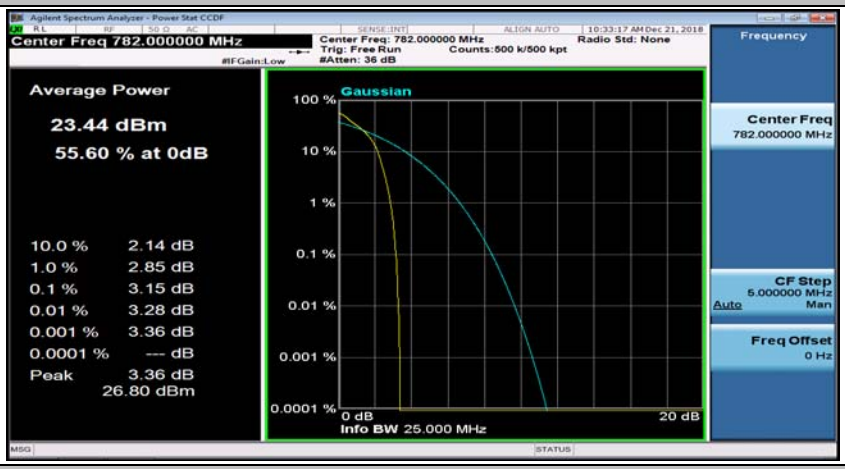


(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#13

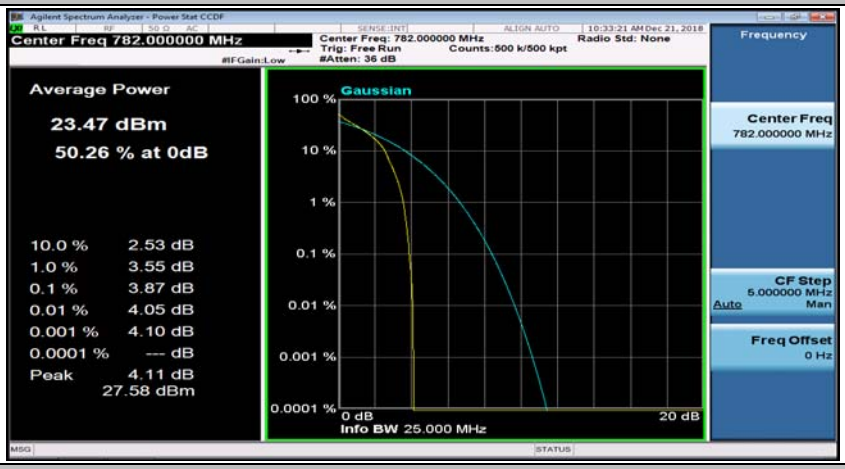
(Channel Bandwidth: 5 MHz)_LCH_QPSK_25RB#0



(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#0

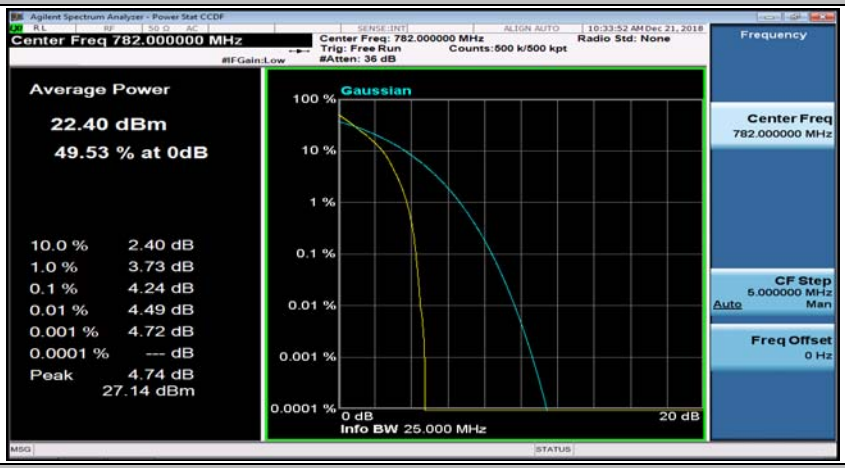


(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#12



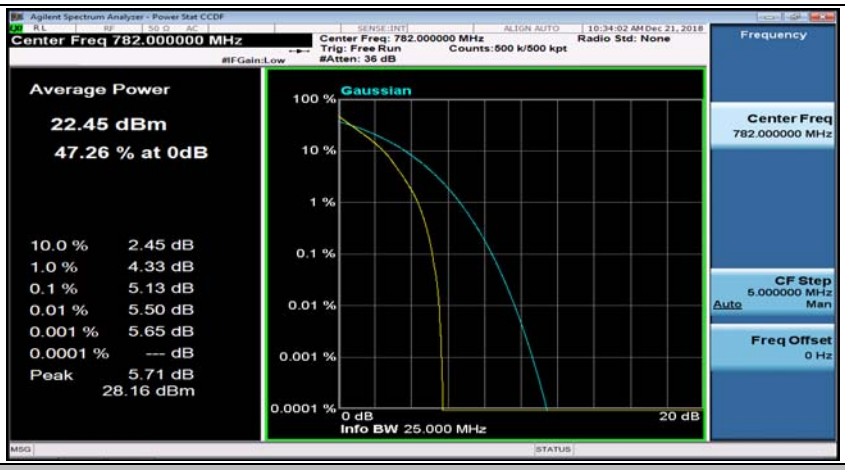
(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#24

(Channel Bandwidth: 5 MHz)_MCH_QPSK_12RB#0

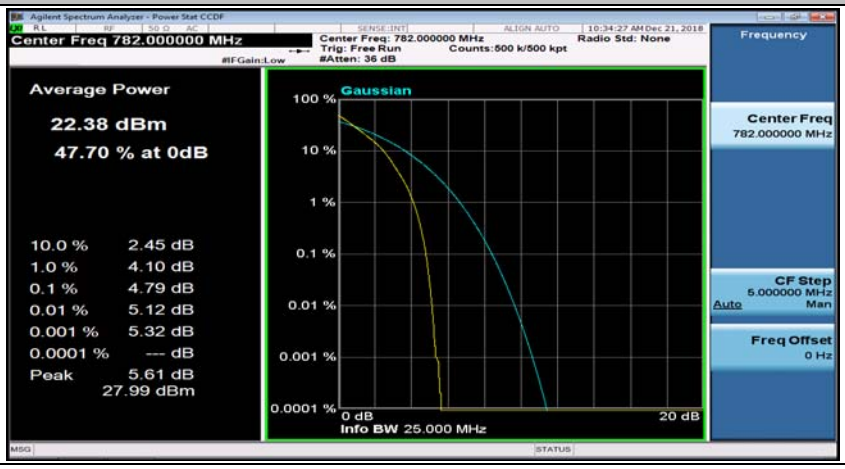


(Channel Bandwidth: 5 MHz)_MCH_QPSK_12RB#6

(Channel Bandwidth: 5 MHz)_MCH_QPSK_12RB#13



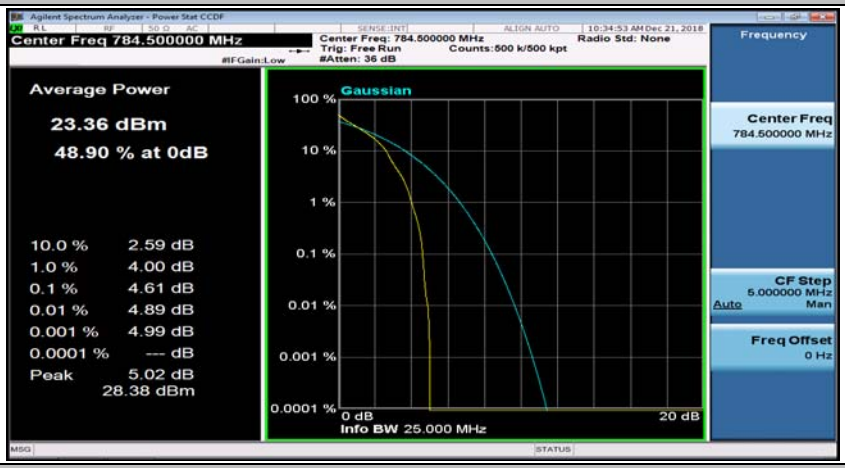
(Channel Bandwidth: 5 MHz)_MCH_QPSK_25RB#0



(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#0

(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#12

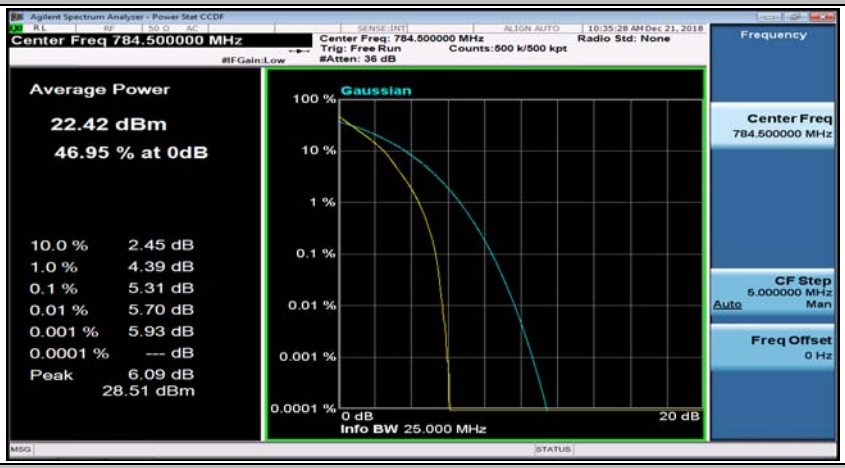
(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#24



(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

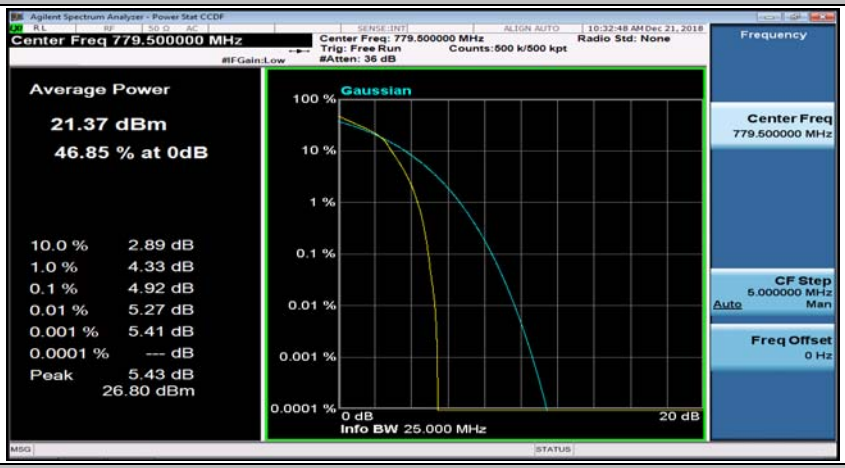
(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#0

(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#12

(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#24

(Channel Bandwidth: 5 MHz)_LCH_16QAM_12RB#0

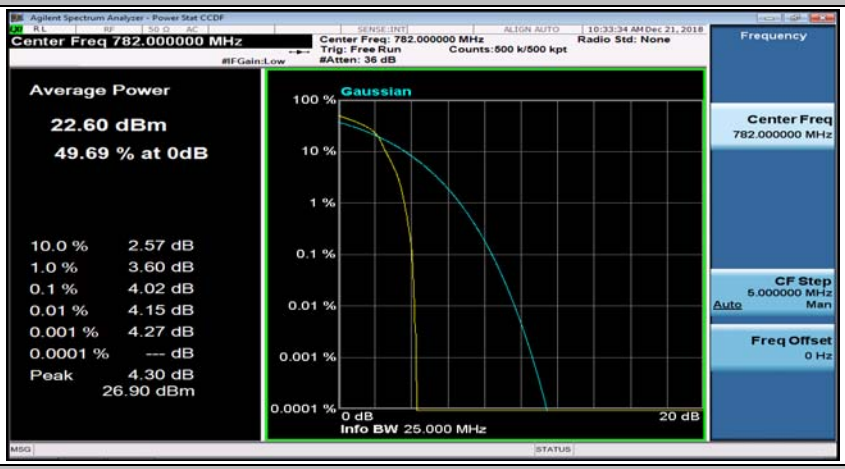
(Channel Bandwidth: 5 MHz)_LCH_16QAM_12RB#6



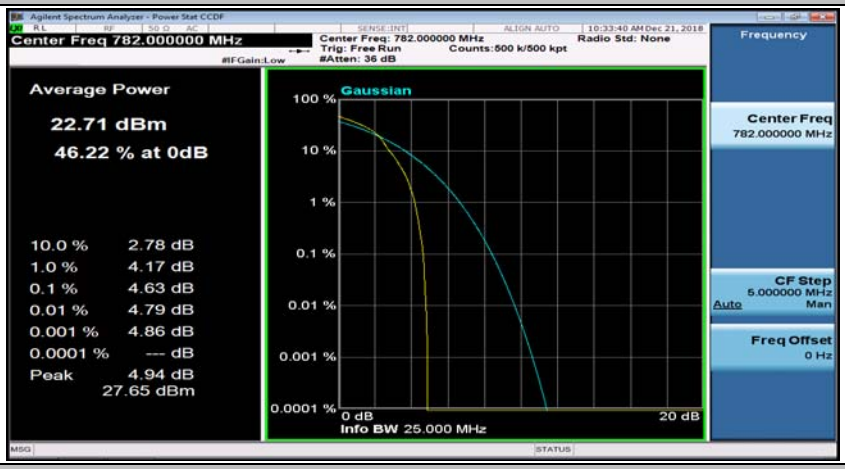
(Channel Bandwidth: 5 MHz)_LCH_16QAM_12RB#13

(Channel Bandwidth: 5 MHz)_LCH_16QAM_25RB#0

(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#0

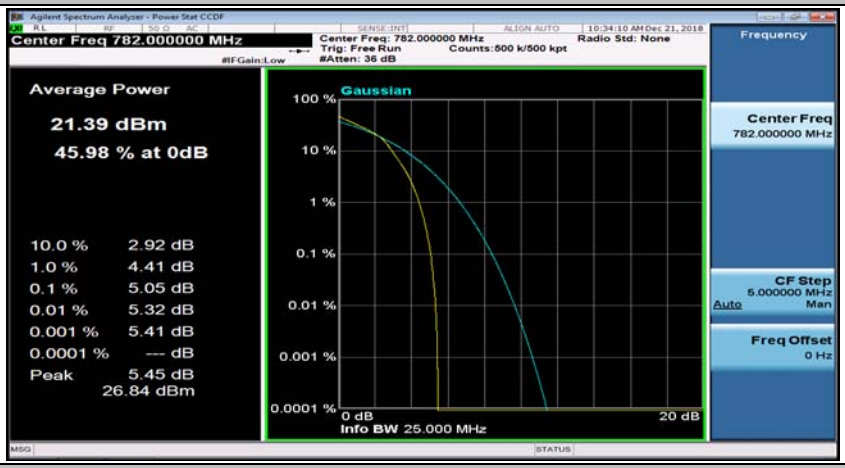


(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#12



(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#24

(Channel Bandwidth: 5 MHz)_MCH_16QAM_12RB#0



(Channel Bandwidth: 5 MHz)_MCH_16QAM_12RB#6

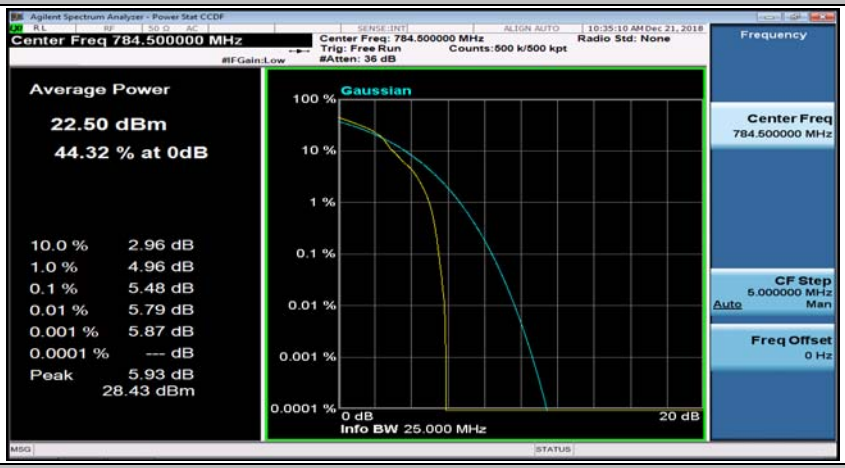
(Channel Bandwidth: 5 MHz)_MCH_16QAM_12RB#13

(Channel Bandwidth: 5 MHz)_MCH_16QAM_25RB#0

(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#0

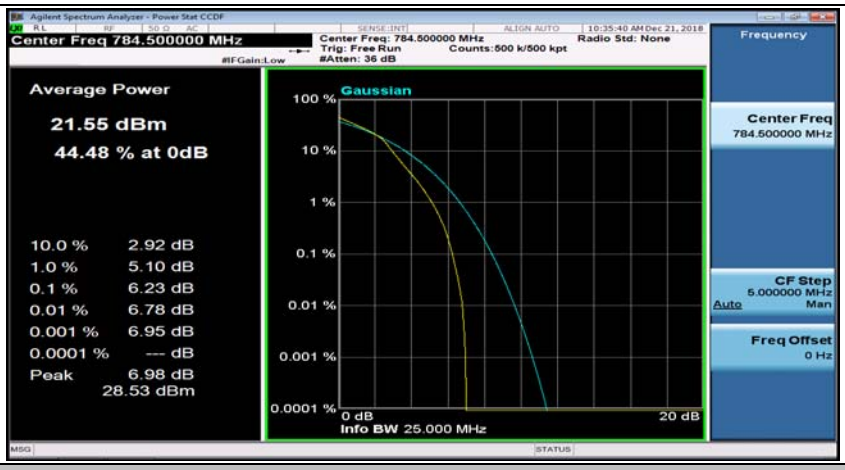
(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#12

(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#24

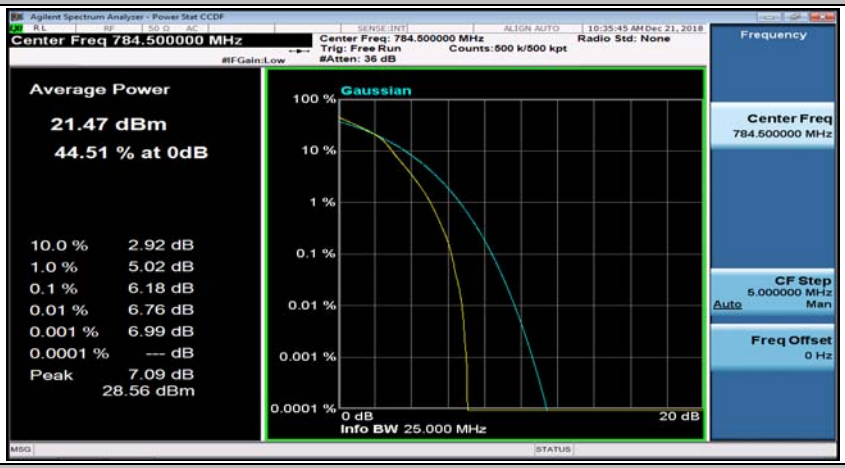


(Channel Bandwidth: 5 MHz)_HCH_16QAM_12RB#0

(Channel Bandwidth: 5 MHz)_HCH_16QAM_12RB#6

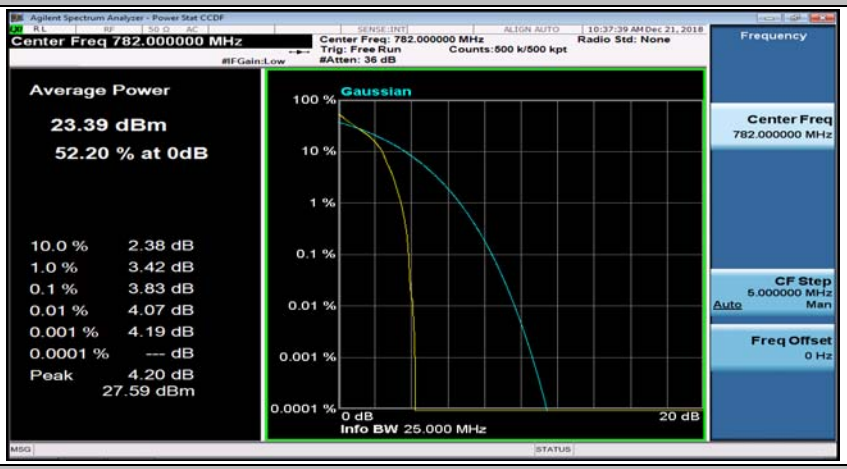
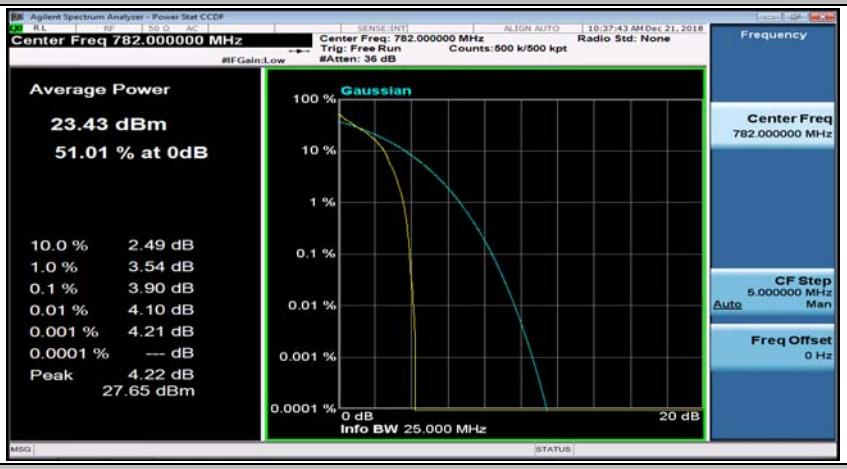
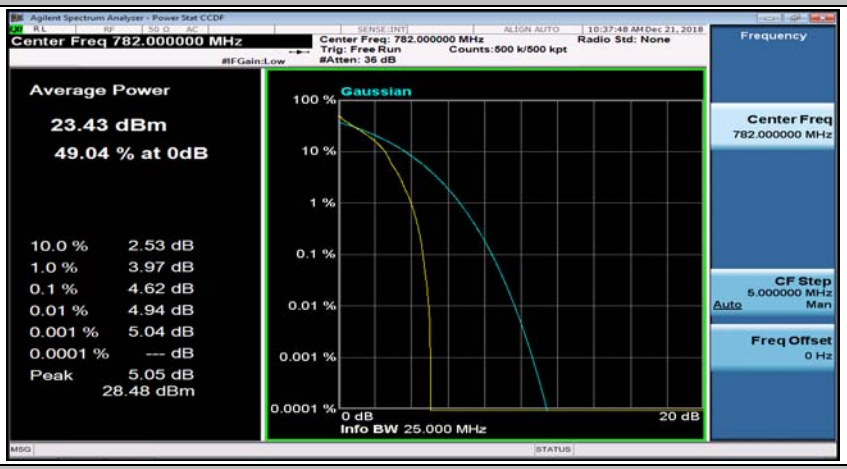


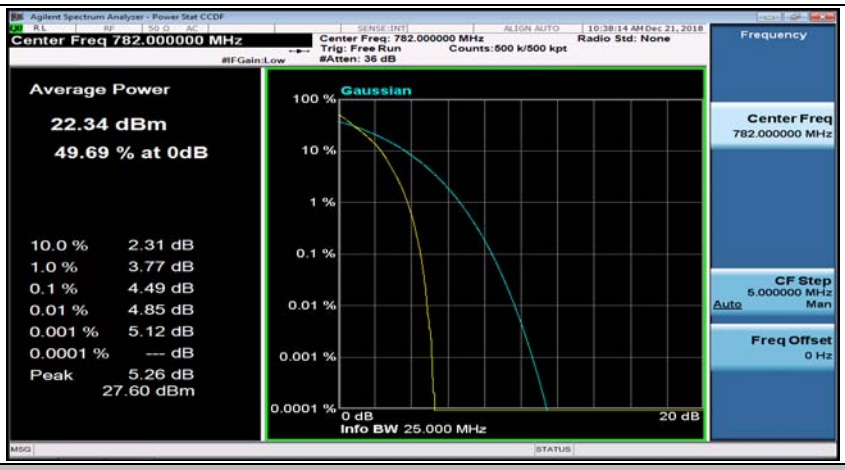
(Channel Bandwidth: 5 MHz)_HCH_16QAM_12RB#13



(Channel Bandwidth: 5 MHz)_HCH_16QAM_25RB#0

Channel Bandwidth: 10 MHz

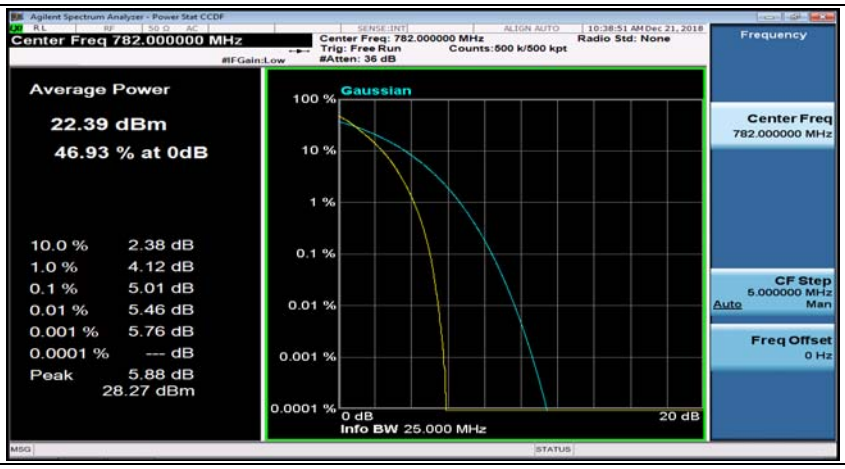
Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#0

Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#24

Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#49

Channel Bandwidth: 10 MHz_MCH_QPSK_25RB#0



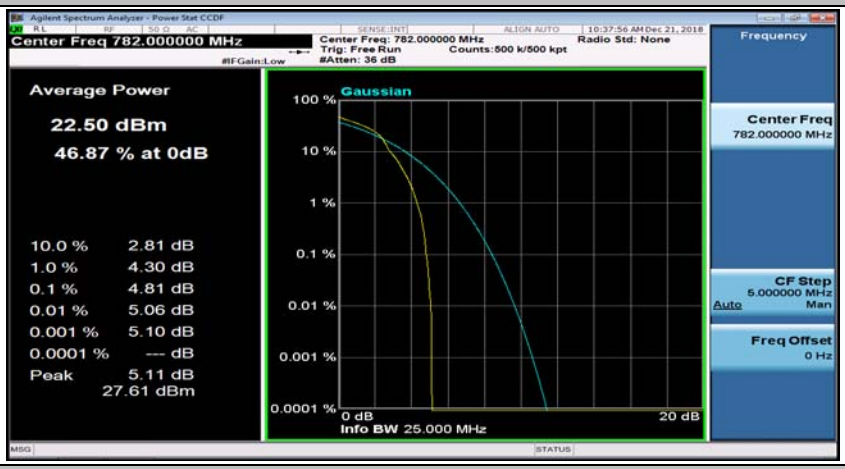
Channel Bandwidth: 10 MHz_MCH_QPSK_25RB#12

Channel Bandwidth: 10 MHz_MCH_QPSK_25RB#25

Channel Bandwidth: 10 MHz_MCH_QPSK_50RB#0



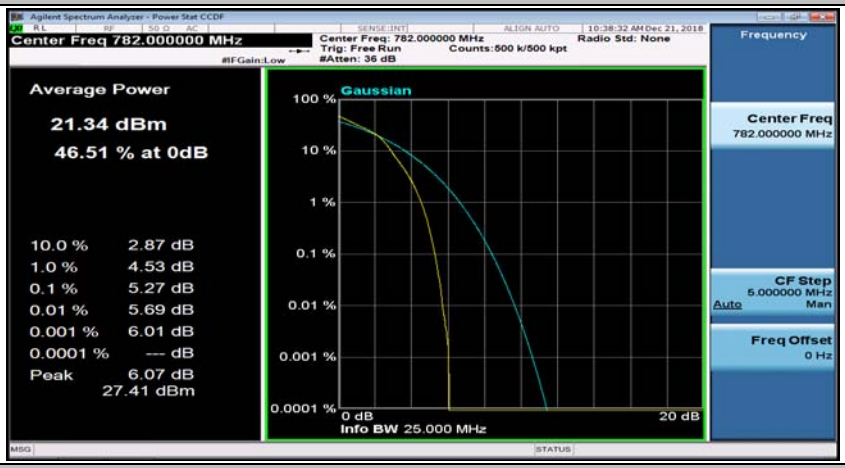
Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#0



Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#24

Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#49

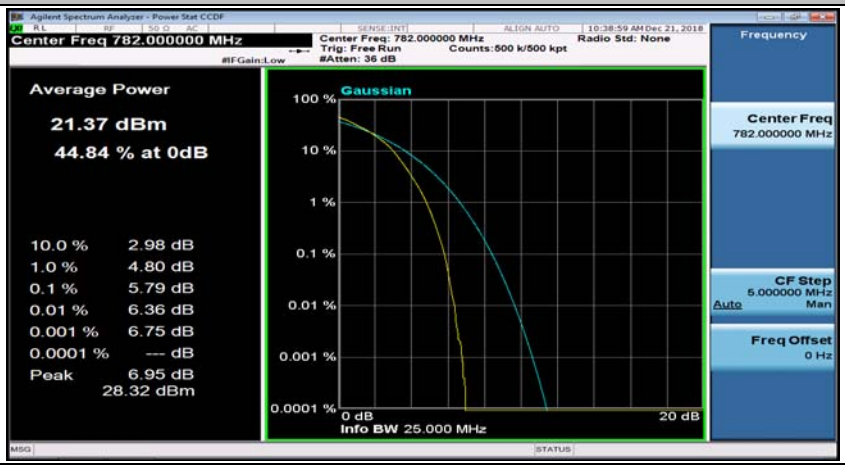
Channel Bandwidth: 10 MHz_MCH_16QAM_25RB#0



Channel Bandwidth: 10 MHz_MCH_16QAM_25RB#12

Channel Bandwidth: 10 MHz_MCH_16QAM_25RB#25

Channel Bandwidth: 10 MHz_MCH_16QAM_50RB#0



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	4.4711	4.778	PASS
	MCH	25	0	4.4826	4.821	PASS
	HCH	25	0	4.4859	4.814	PASS
16QAM	LCH	25	0	4.4735	4.771	PASS
	MCH	25	0	4.4810	4.795	PASS
	HCH	25	0	4.4926	4.806	PASS

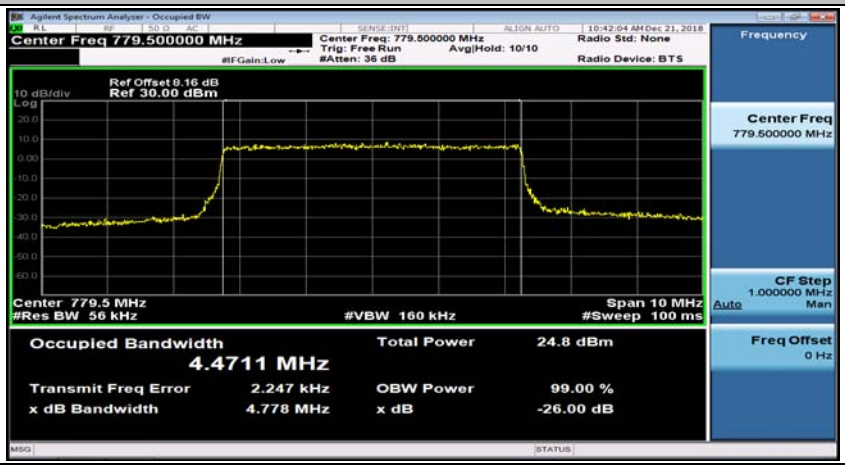
Channel Bandwidth: 10 MHz

Channel Bandwidth: 10 MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		Size	Offset			
QPSK	MCH	50	0	8.9369	9.430	PASS
16QAM	MCH	50	0	8.9367	9.415	PASS

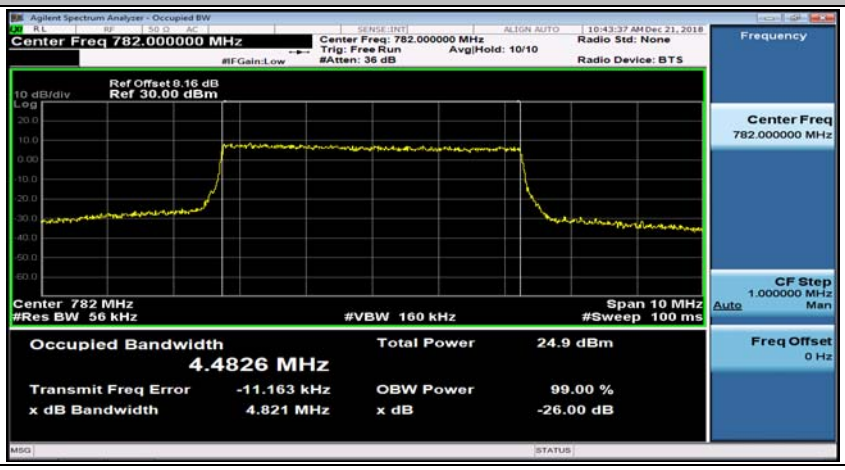
Test Graphs

Channel Bandwidth: 5 MHz

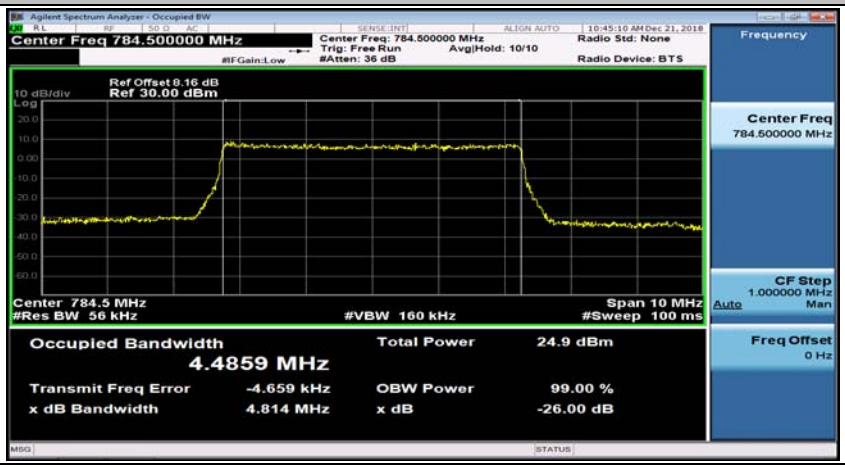
(Channel Bandwidth: 5 MHz)_LCH_QPSK_25RB#0



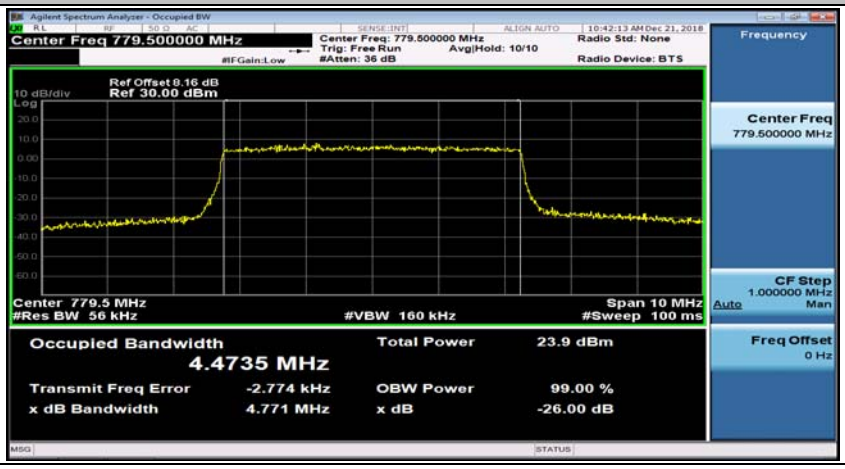
(Channel Bandwidth: 5 MHz)_MCH_QPSK_25RB#0



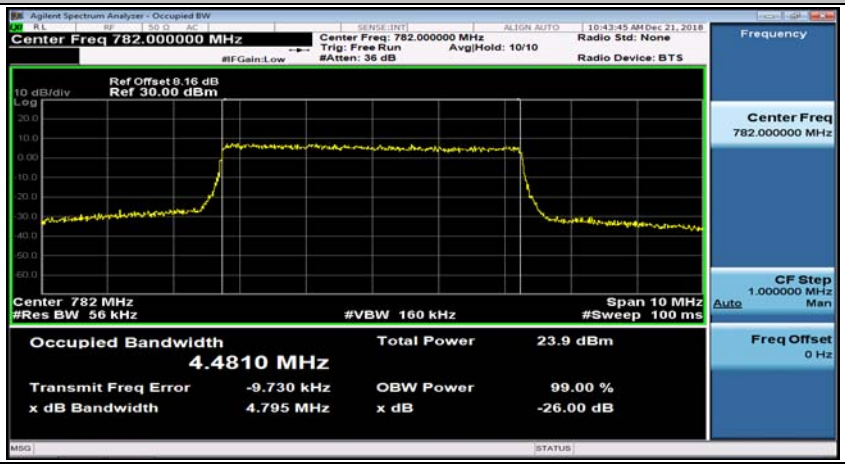
(Channel Bandwidth: 5 MHz)_HCH_QPSK_25RB#0



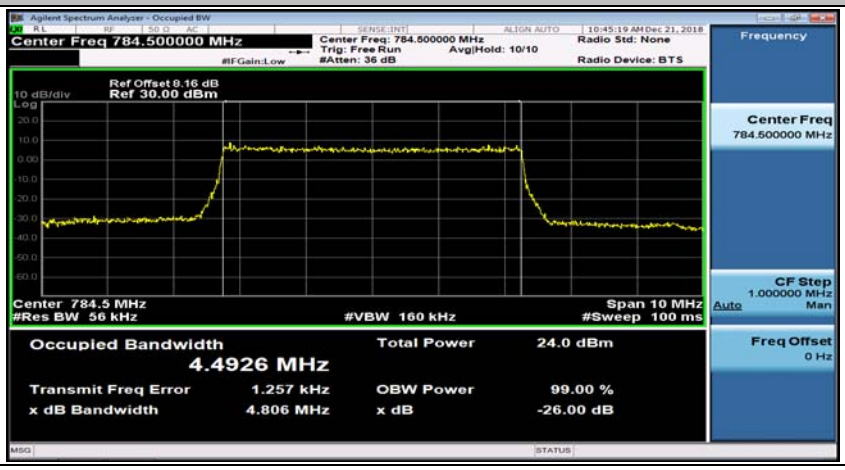
(Channel Bandwidth: 5 MHz)_LCH_16QAM_25RB#0



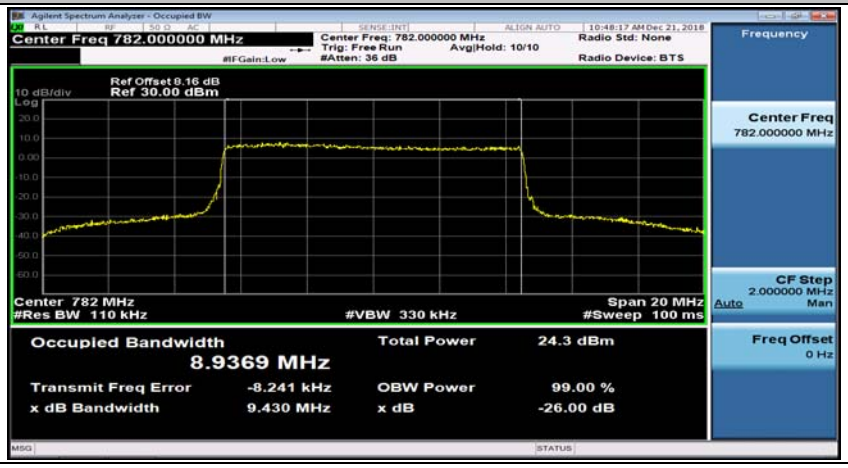
(Channel Bandwidth: 5 MHz)_MCH_16QAM_25RB#0

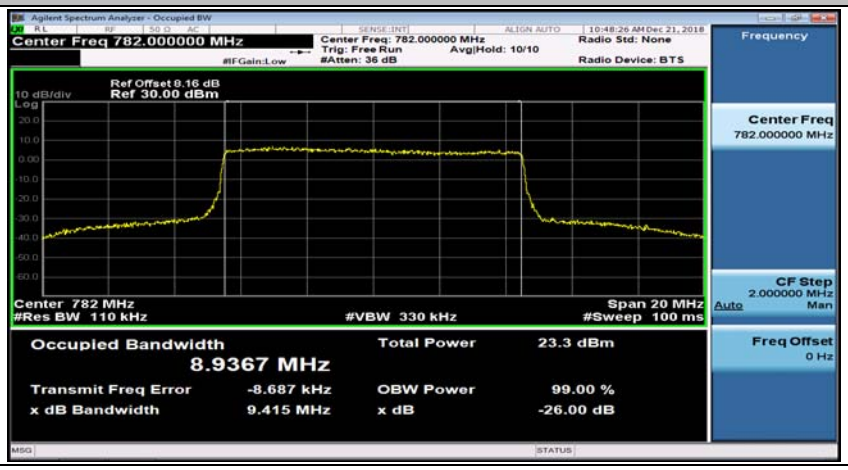


(Channel Bandwidth: 5 MHz)_HCH_16QAM_25RB#0



Channel Bandwidth: 10 MHz

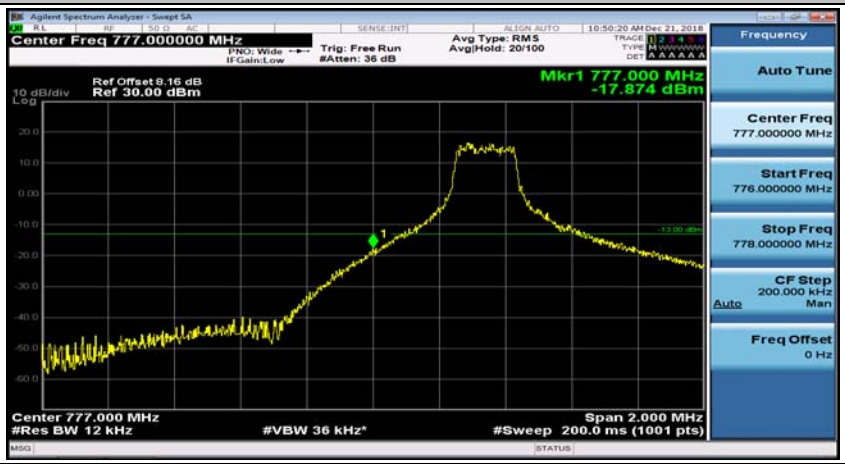
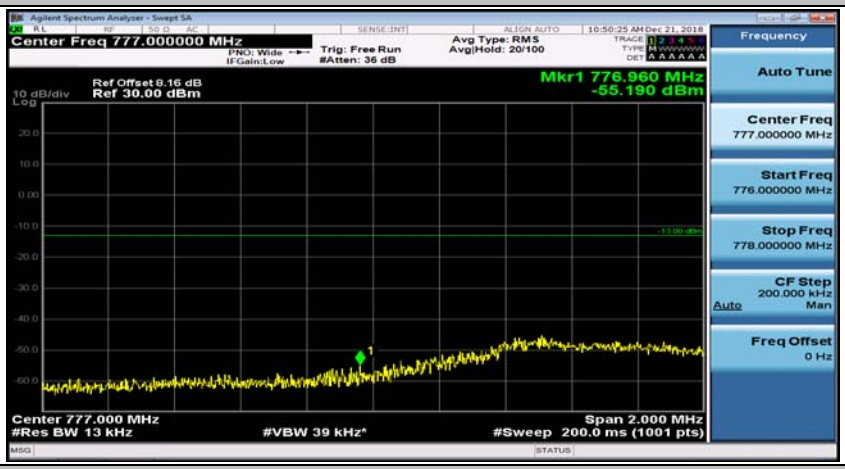
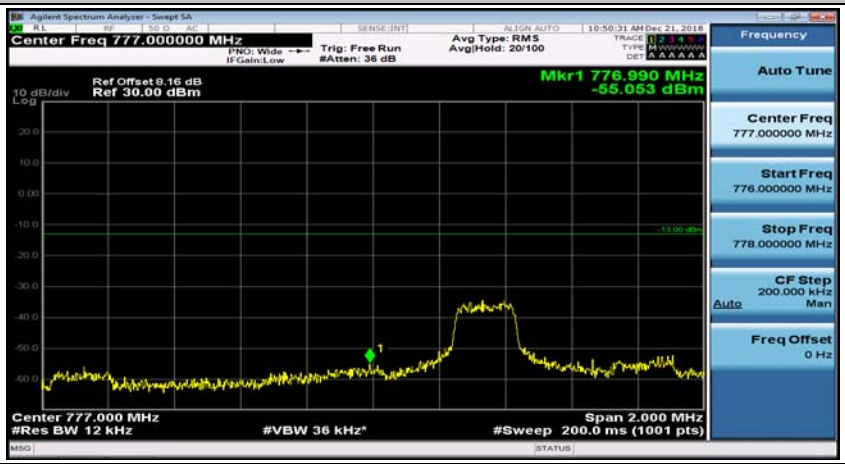
Channel Bandwidth: 10 MHz_MCH_QPSK_50RB#0


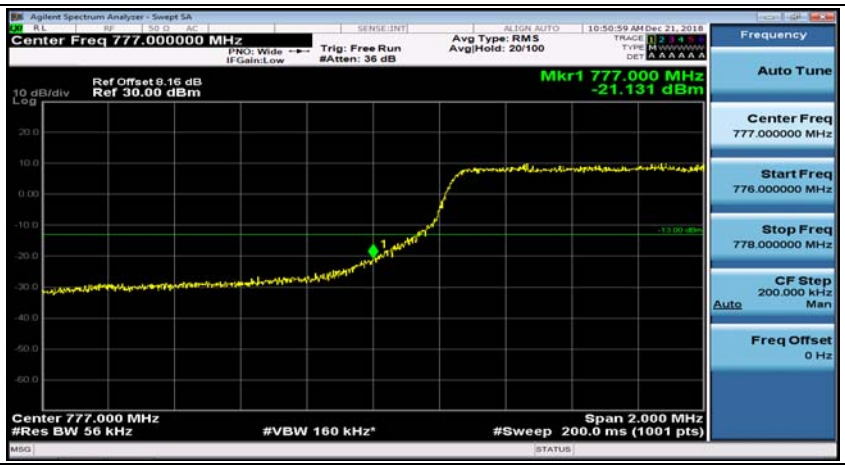
Channel Bandwidth: 10 MHz_MCH_16QAM_50RB#0


Appendix D: Band Edge

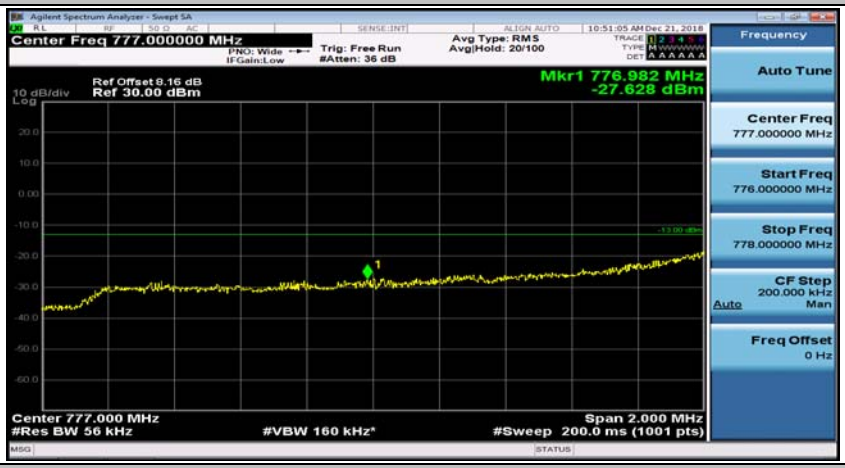
Test Graphs

Channel Bandwidth: 5 MHz

(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

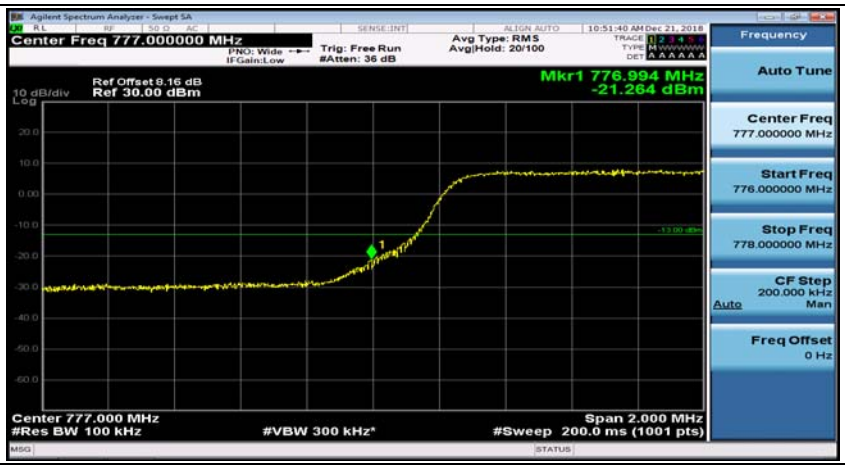


(Channel Bandwidth: 5 MHz)_MCH_QPSK_12RB#6

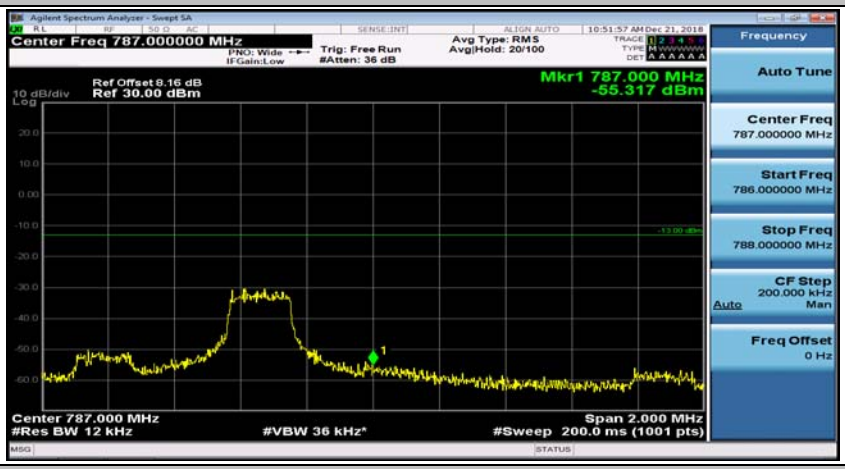


(Channel Bandwidth: 5 MHz)_MCH_QPSK_12RB#13

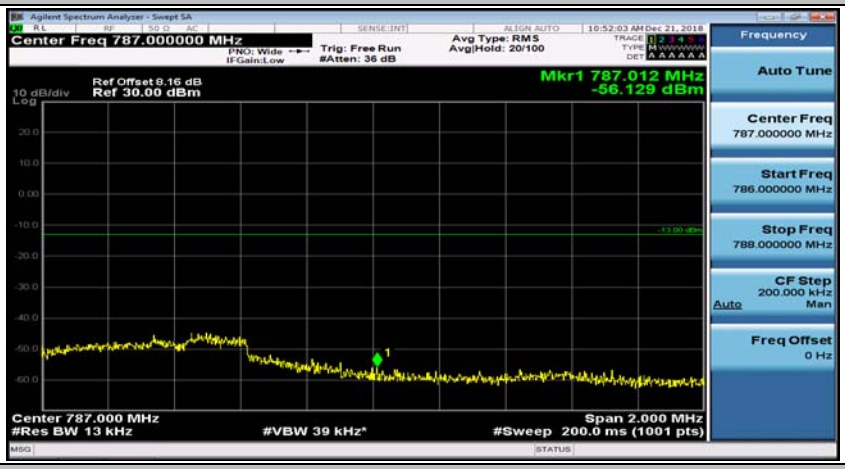
(Channel Bandwidth: 5 MHz)_MCH_QPSK_25RB#0



(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#0



(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#12



(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#24