Appendix H: Test Data for E-UTRA Band 5

Product Name: Tablet PC
Trade Mark: Motumation
Test Model: MTab8

Environmental Conditions

Temperature:	24.6° C
Relative Humidity:	54.1%
ATM Pressure:	100.0 kPa
Test Engineer:	Diamond Lu
Supervised by:	Li Huan

H.1 Conducted Output Power

Conducted Output Power Test Result (Channel Bandwidth: 1.4 MHz)						
Modulation	Channel	RB Configuration		Average Power [dBm]	Average Power [dBm]	Verdict
		Size	Offset	QPSK	16QAM	
QPSK / 16QAM	LCH	1	0	22.76	21.97	PASS
		1	3	22.92	22.18	PASS
		1	5	22.74	22.00	PASS
		3	0	22.84	21.85	PASS
		3	2	22.92	21.93	PASS
		3	3	22.89	21.88	PASS
		6	0	21.86	20.98	PASS
	MCH	1	0	23.54	22.68	PASS
		1	3	23.64	22.88	PASS
		1	5	23.66	22.71	PASS
		3	0	23.62	22.63	PASS
		3	2	23.64	22.65	PASS
		3	3	23.62	22.62	PASS
		6	0	22.66	21.59	PASS
	HCH	1	0	23.50	22.82	PASS
		1	3	23.61	22.96	PASS
		1	5	23.45	22.78	PASS
		3	0	23.63	22.52	PASS
		3	2	23.58	22.54	PASS
		3	3	23.55	22.51	PASS
		6	0	22.58	21.51	PASS

Conducted Output Power Test Result (Channel Bandwidth: 3 MHz)					
Modulation	Channel	RB Configuration		Average Power [dBm]	Average Power [dBm]	Verdict
		Size	Offset	QPSK	16QAM	
QPSK / 16QAM	LCH	1	0	22.74	22.01	PASS
		1	7	23.04	22.24	PASS
		1	14	22.87	22.09	PASS
		8	0	21.84	20.92	PASS
		8	4	21.90	20.98	PASS
		8	7	21.89	20.93	PASS
		15	0	21.82	20.81	PASS
	MCH	1	0	23.51	22.85	PASS
		1	7	23.78	23.10	PASS
		1	14	23.68	22.98	PASS
		8	0	22.61	21.58	PASS
		8	4	22.70	21.63	PASS
		8	7	22.70	21.64	PASS
		15	0	22.60	21.56	PASS
	HCH	1	0	23.66	22.91	PASS
		1	7	23.85	23.04	PASS
		1	14	23.49	22.69	PASS
		8	0	22.62	21.57	PASS
		8	4	22.62	21.61	PASS
		8	7	22.56	21.51	PASS
		15	0	22.57	21.55	PASS

Conducted Output Power Test Result (Channel Bandwidth: 5 MHz)						
Modulation	Channel	RB Configuration		Average Power [dBm]	Average Power [dBm]	Verdict
		Size	Offset	QPSK	16QAM	
QPSK / 16QAM	LCH	1	0	22.73	21.98	PASS
		1	12	23.14	22.32	PASS
		1	24	22.94	22.16	PASS
		12	0	21.75	20.80	PASS
		12	6	21.92	20.94	PASS
		12	13	21.89	20.89	PASS
		25	0	21.85	20.81	PASS
	MCH	1	0	23.42	22.61	PASS
		1	12	23.90	23.01	PASS
		1	24	23.62	22.75	PASS
		12	0	22.50	21.56	PASS
		12	6	22.67	21.71	PASS
		12	13	22.66	21.65	PASS
		25	0	22.58	21.61	PASS
	HCH	1	0	23.76	22.86	PASS
		1	12	23.97	23.06	PASS
		1	24	23.48	22.62	PASS
		12	0	22.68	21.66	PASS
		12	6	22.69	21.66	PASS
		12	13	22.59	21.56	PASS
		25	0	22.59	21.64	PASS

Conducted Output Power Test Result (Channel Bandwidth: 10 MHz)					
Modulation	Channel	RB Configuration		Average Power [dBm]	Average Power [dBm]	Verdict
		Size	Offset	QPSK	16QAM	
QPSK / 16QAM	LCH	1	0	22.77	22.06	PASS
		1	24	23.17	22.42	PASS
		1	49	23.38	22.64	PASS
		25	0	21.97	20.98	PASS
		25	12	22.04	21.06	PASS
		25	25	22.16	21.20	PASS
		50	0	22.05	21.04	PASS
	MCH	1	0	23.26	22.67	PASS
		1	24	23.78	23.06	PASS
		1	49	23.70	23.03	PASS
		25	0	22.54	21.57	PASS
		25	12	22.62	21.63	PASS
		25	25	22.68	21.70	PASS
		50	0	22.57	21.57	PASS
	HCH	1	0	23.83	23.03	PASS
		1	24	23.95	23.19	PASS
		1	49	23.53	22.74	PASS
		25	0	22.99	21.96	PASS
		25	12	22.78	21.86	PASS
		25	25	22.74	21.77	PASS
		50	0	22.87	21.90	PASS

H.2 Peak-to-Average Ratio

Peak-to Average Ratio Test Result (Channel Bandwidth: 1.4 MHz)				
Modulation	Channel	Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
QPSK	LCH	4.93	<13	PASS
	MCH	4.59	<13	PASS
	HCH	4.8	<13	PASS
16QAM	LCH	5.82	<13	PASS
	MCH	5.46	<13	PASS
	HCH	5.77	<13	PASS

Peak-to Average Ratio Test Result (Channel Bandwidth: 3 MHz)				
Modulation	Channel	Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
QPSK	LCH	5.05	<13	PASS
	MCH	4.85	<13	PASS
	HCH	5.03	<13	PASS
16QAM	LCH	5.91	<13	PASS
	MCH	5.64	<13	PASS
	HCH	5.83	<13	PASS

Peak-to Average Ratio Test Result (Channel Bandwidth: 5 MHz)				
Modulation	Channel	Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
QPSK	LCH	5.08	<13	PASS
	MCH	4.85	<13	PASS
	HCH	5.15	<13	PASS
16QAM	LCH	5.73	<13	PASS
	MCH	5.68	<13	PASS
	HCH	5.85	<13	PASS

Peak-to Average Ratio Test Result (Channel Bandwidth: 10 MHz)				
Modulation	Channel	Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
QPSK	LCH	5.27	<13	PASS
	MCH	5.14	<13	PASS
	HCH	5.17	<13	PASS
16QAM	LCH	5.97	<13	PASS
	MCH	5.89	<13	PASS
	HCH	5.95	<13	PASS

Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 1.4 MHz)_LCH_QPSK
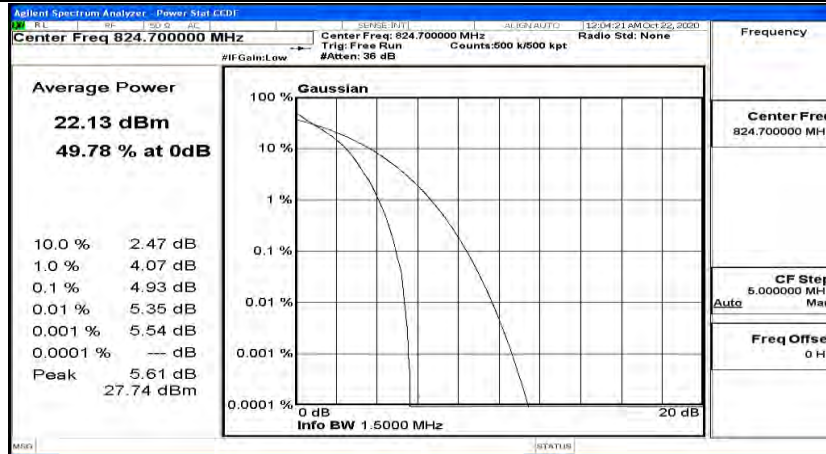
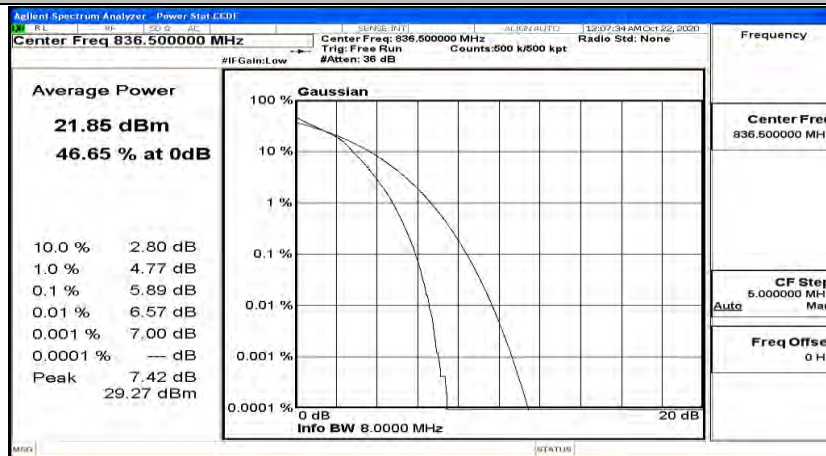Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 1.4 MHz)_MCH_QPSK
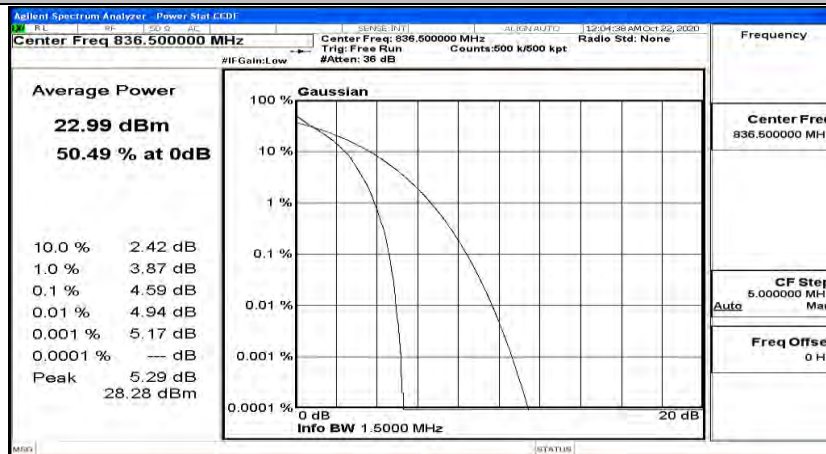
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 1.4 MHz)_HCH_QPSK
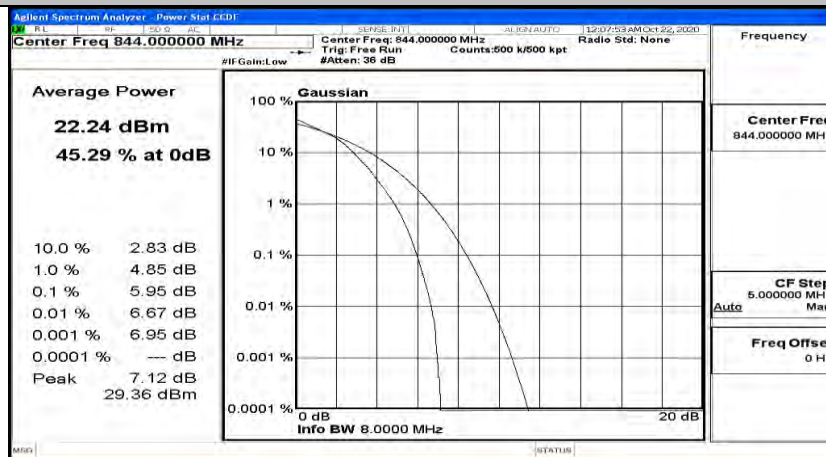

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Page 6 of 88
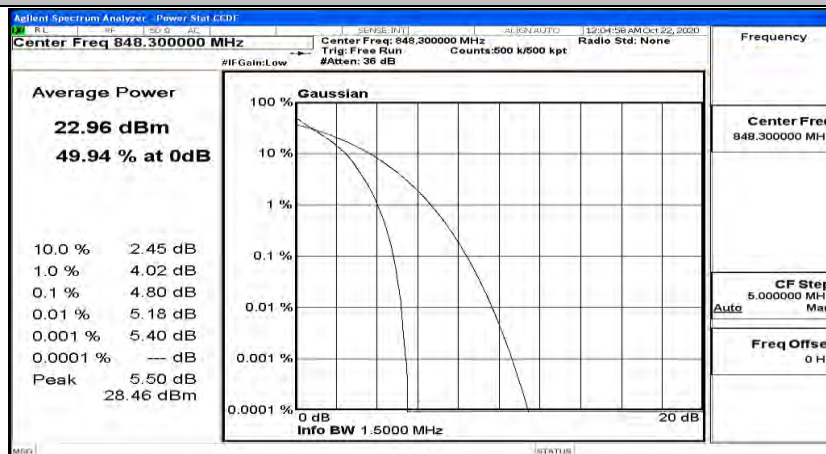
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 1.4 MHz)_LCH_16QAM
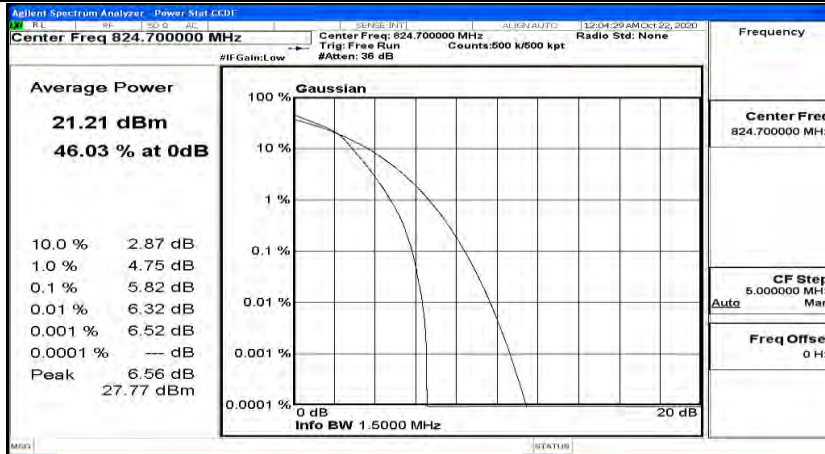
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 1.4 MHz)_MCH_16QAM
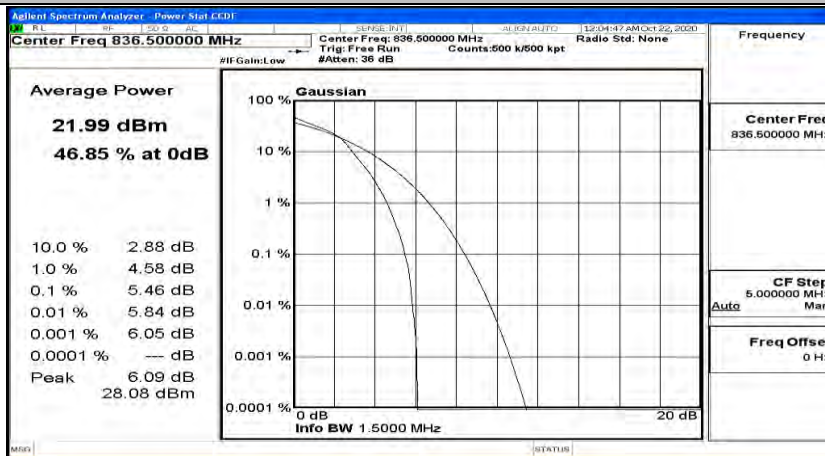
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 1.4 MHz)_HCH_16QAM
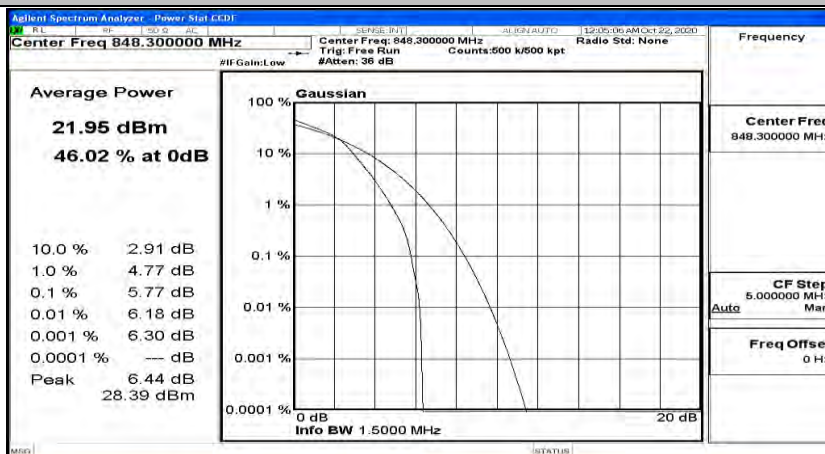
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 3 MHz)_LCH_QPSK
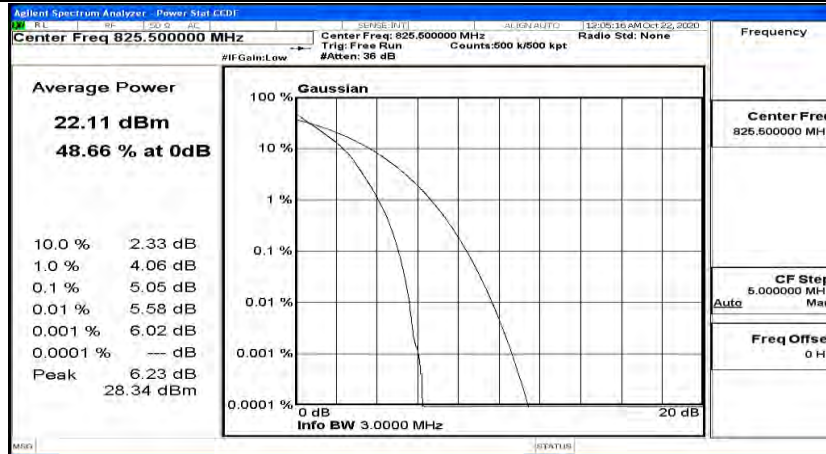
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 3 MHz)_MCH_QPSK
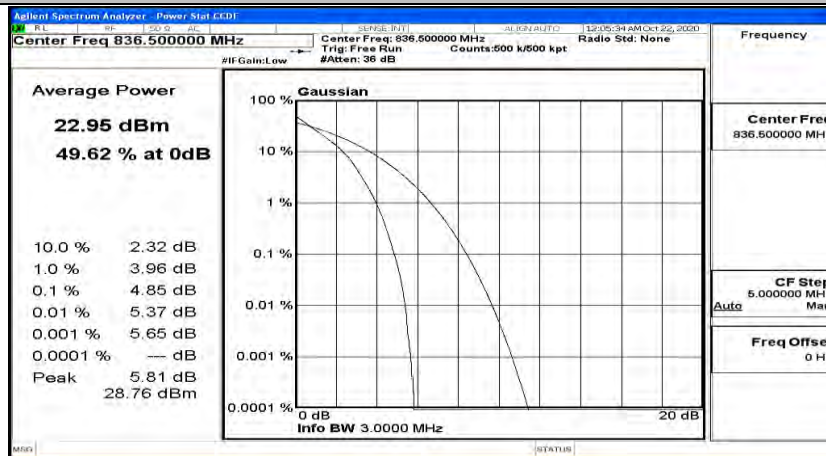
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 3 MHz)_HCH_QPSK
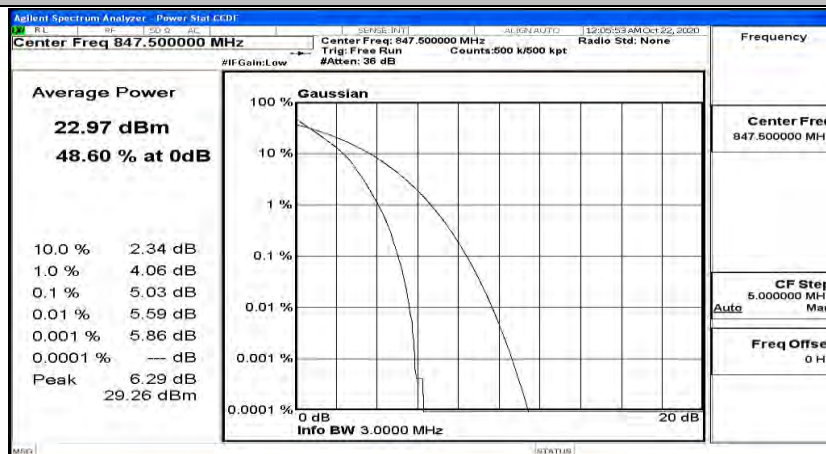
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 3 MHz)_LCH_16QAM
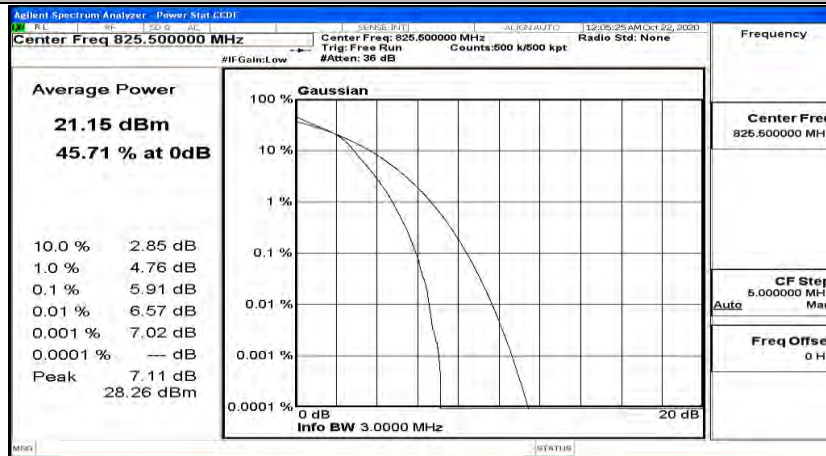
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 3 MHz)_MCH_16QAM
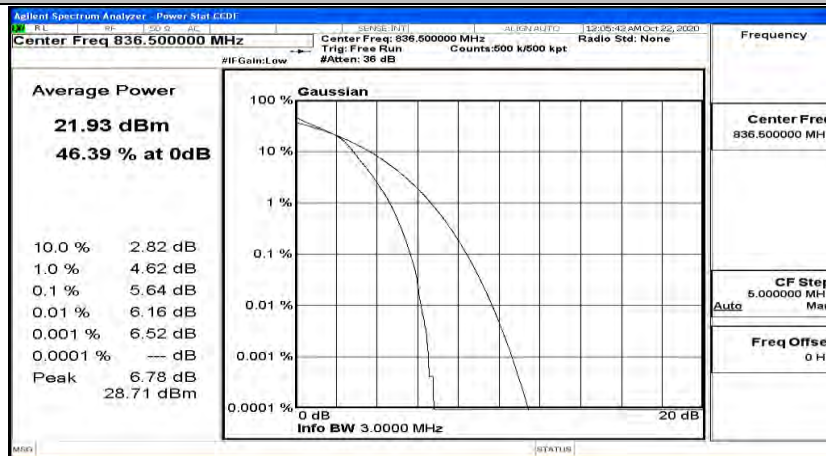
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 3 MHz)_HCH_16QAM
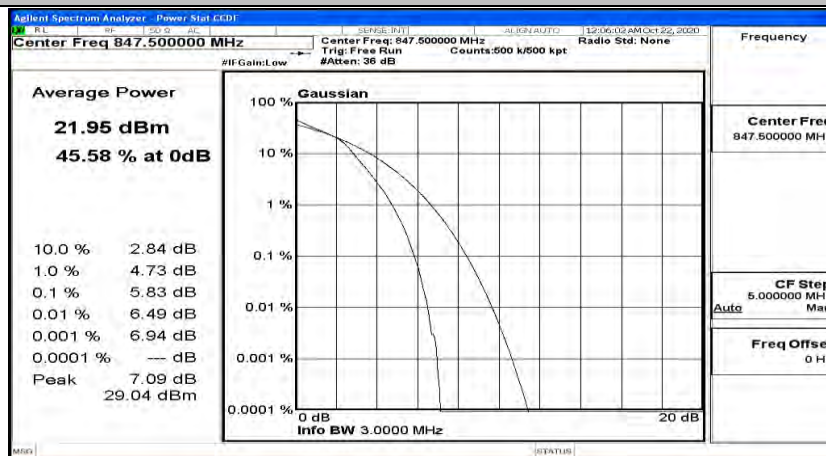
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_QPSK
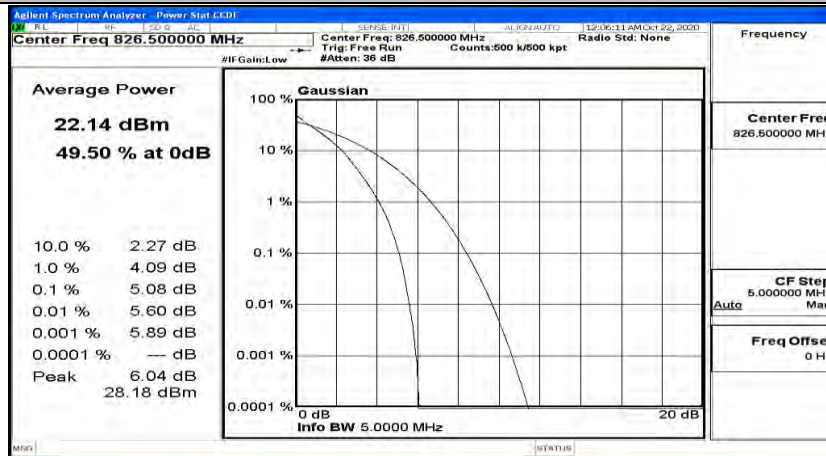
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)_MCH_QPSK
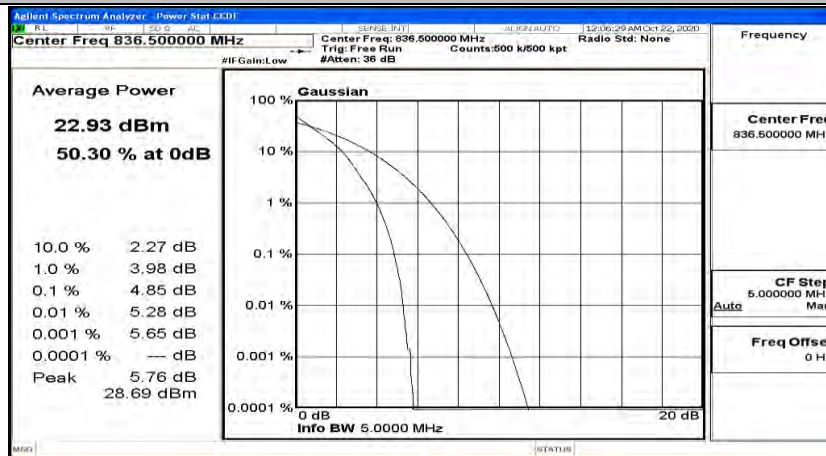
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_QPSK
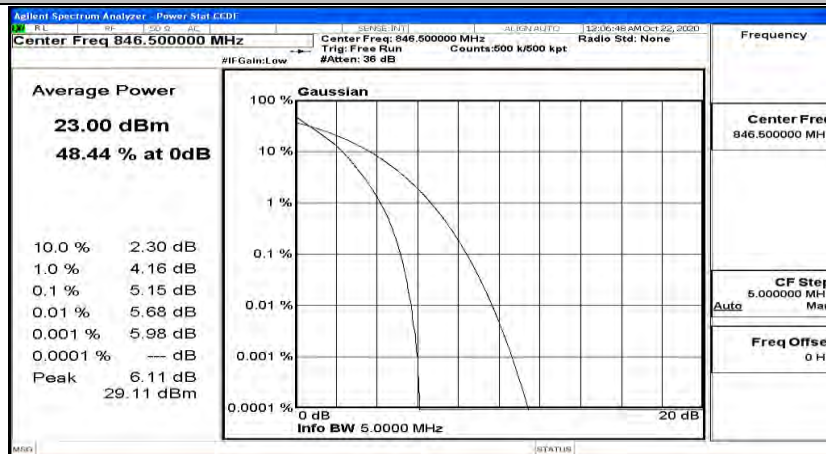
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_16QAM
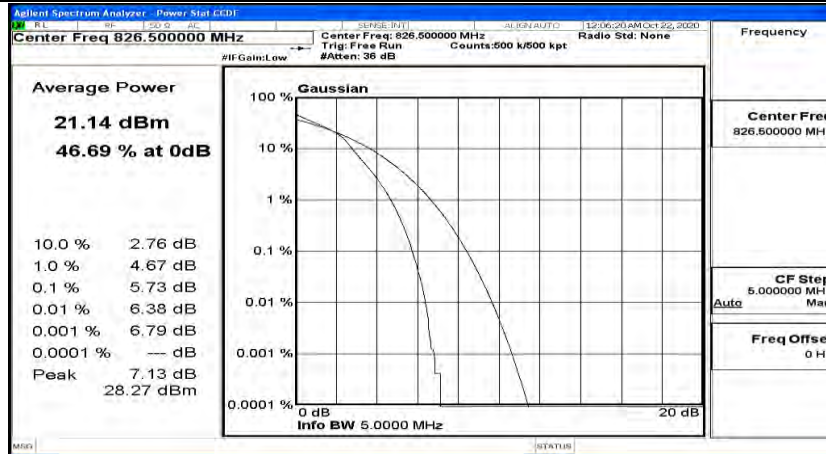
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)_MCH_16QAM
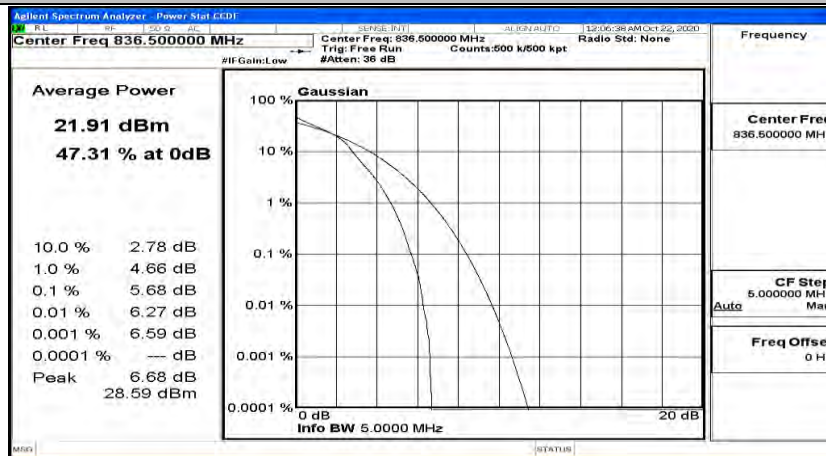
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_16QAM
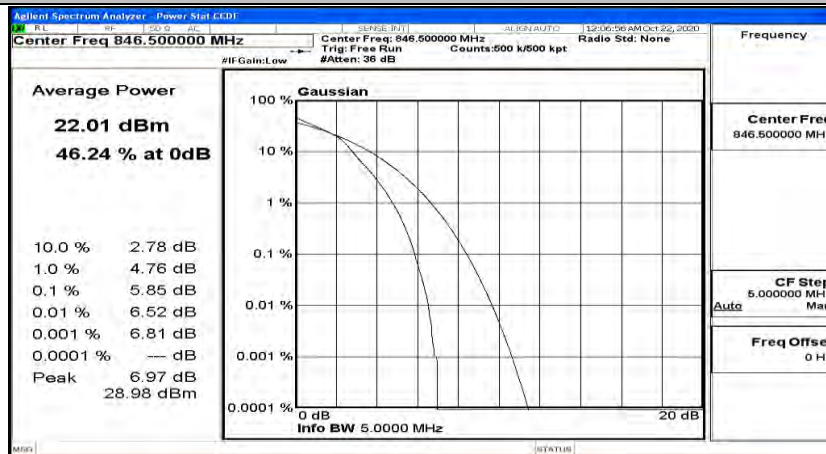
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)_LCH_QPSK
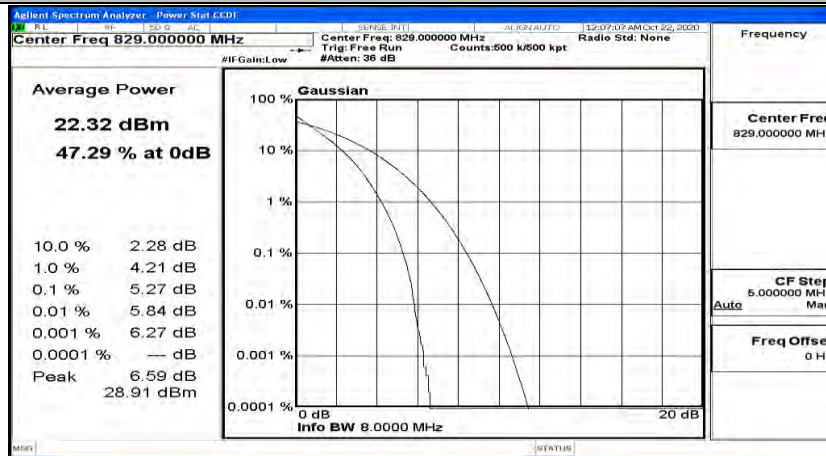
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)_MCH_QPSK
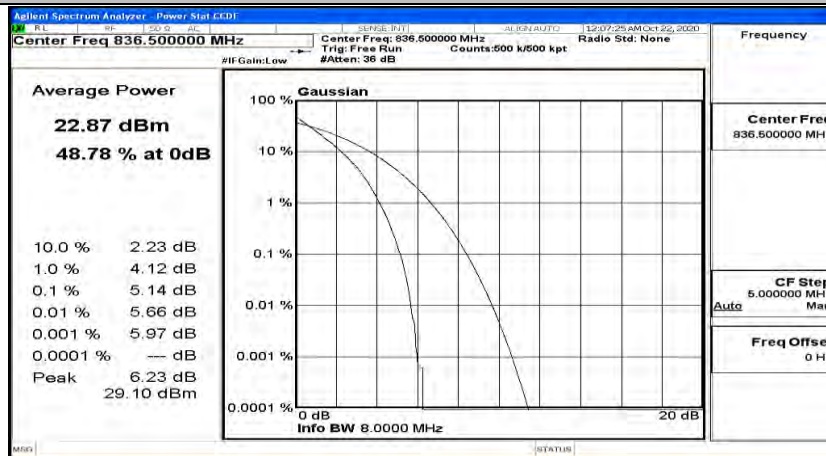
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)_HCH_QPSK
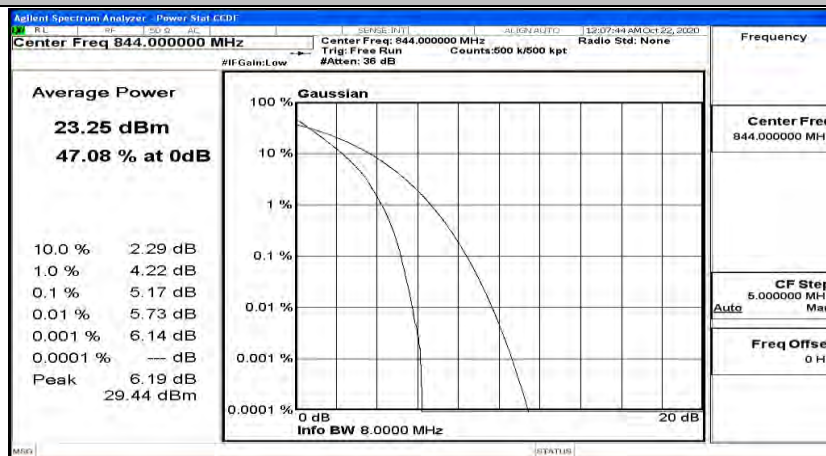
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)_LCH_16QAM
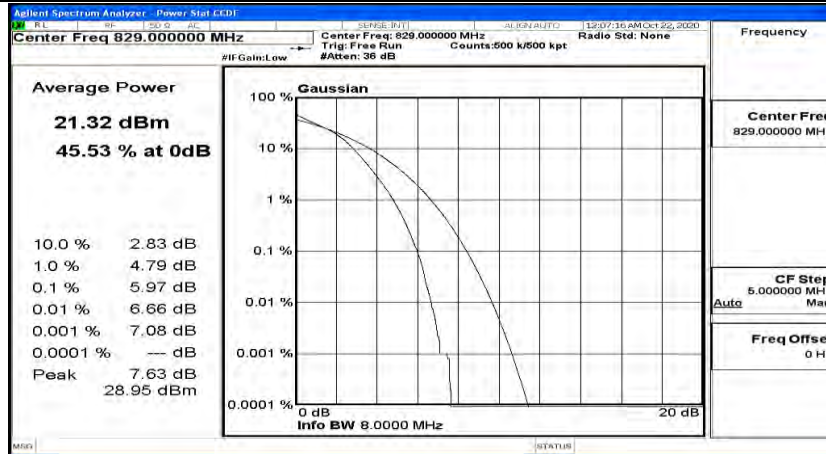
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)_MCH_16QAM

Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)_HCH_16QAM

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Page 13 of 88

H.3 26dB Bandwidth and Occupied Bandwidth

EBW & OBW Test Result (Channel Bandwidth: 1.4 MHz)				
Modulation	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
QPSK	LCH	1.0777	1.223	PASS
	MCH	1.0766	1.243	PASS
	HCH	1.0784	1.231	PASS
16QAM	LCH	1.0770	1.231	PASS
	MCH	1.0806	1.239	PASS
	HCH	1.0782	1.236	PASS

EBW & OBW Test Result (Channel Bandwidth: 3 MHz)				
Modulation	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
QPSK	LCH	2.6805	2.838	PASS
	MCH	2.6809	2.831	PASS
	HCH	2.6778	2.817	PASS
16QAM	LCH	2.6833	2.831	PASS
	MCH	2.6835	2.846	PASS
	HCH	2.6740	2.839	PASS

EBW & OBW Test Result (Channel Bandwidth: 5 MHz)				
Modulation	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
QPSK	LCH	4.4691	4.731	PASS
	MCH	4.4673	4.722	PASS
	HCH	4.4694	4.741	PASS
16QAM	LCH	4.4830	4.714	PASS
	MCH	4.4720	4.708	PASS
	HCH	4.4686	4.757	PASS

EBW & OBW Test Result (Channel Bandwidth: 10 MHz)				
Modulation	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
QPSK	LCH	8.9475	9.375	PASS
	MCH	8.9247	9.351	PASS
	HCH	8.9393	9.413	PASS
16QAM	LCH	8.9397	9.416	PASS
	MCH	8.9457	9.315	PASS
	HCH	8.9362	9.382	PASS

EBW & OBW Test Graph(s) (Channel Bandwidth: 1.4 MHz)_LCH_QPSK
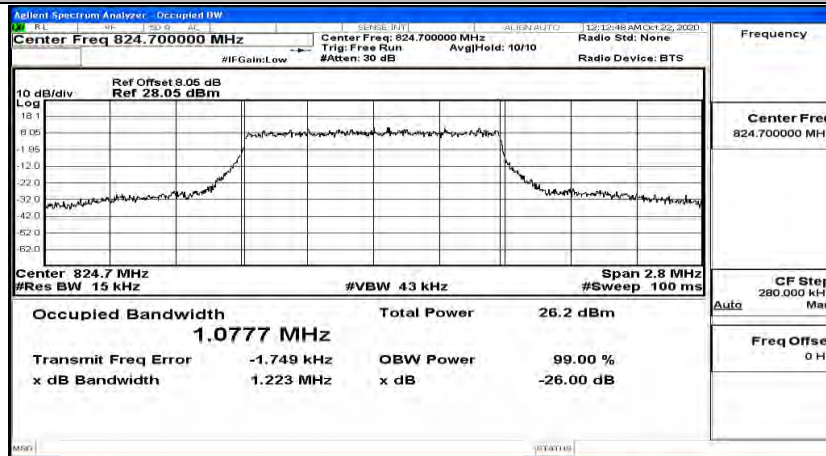
EBW & OBW Test Graph(s) (Channel Bandwidth: 1.4 MHz)_MCH_QPSK
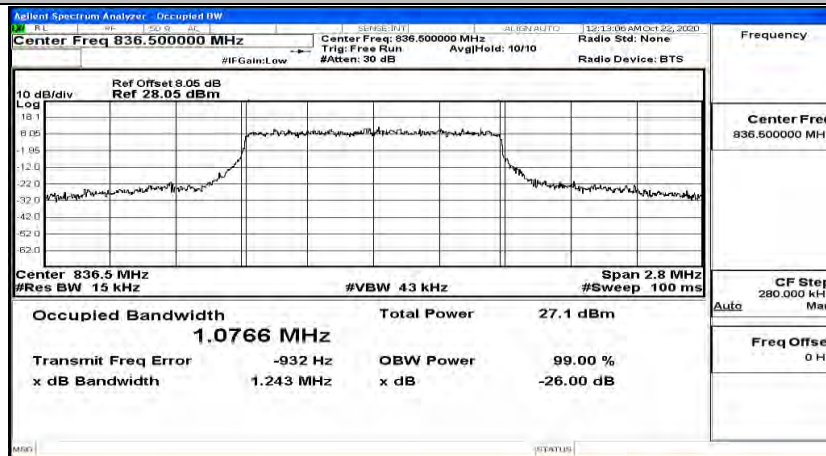
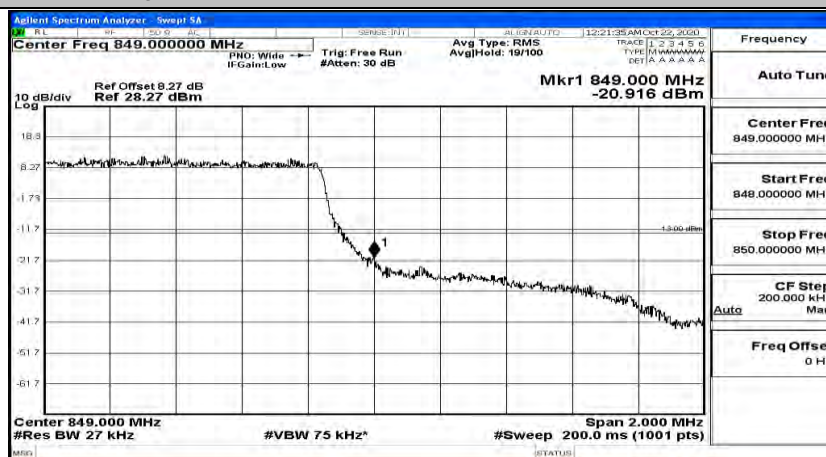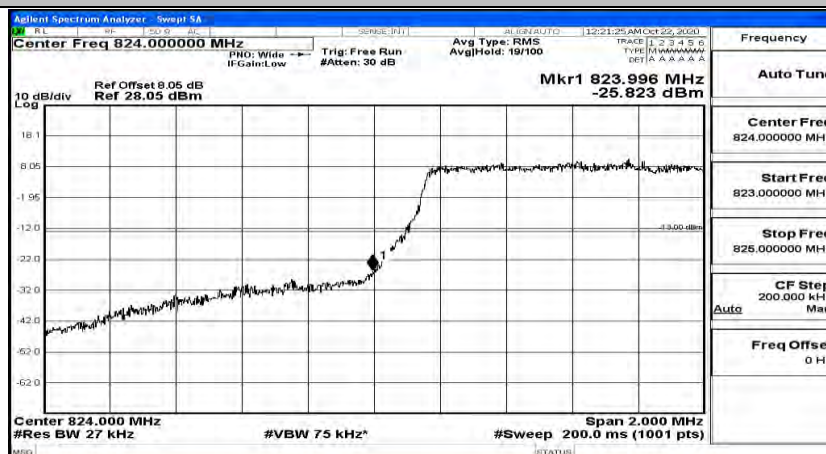
EBW & OBW Test Graph(s) (Channel Bandwidth: 1.4 MHz)_HCH_QPSK
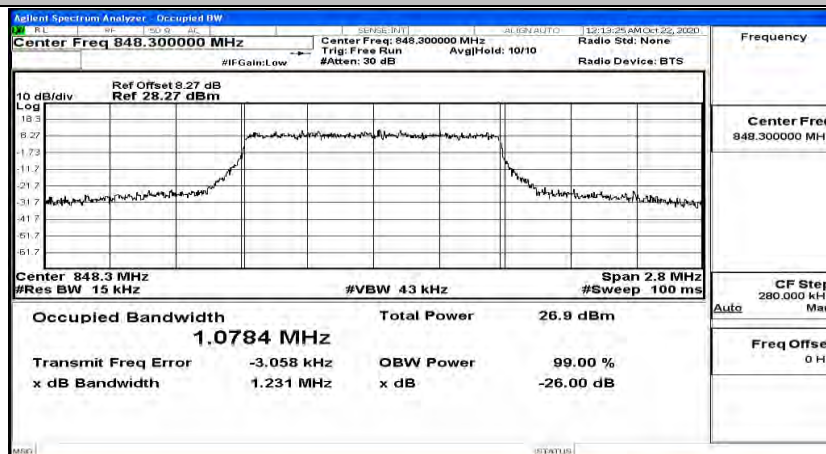
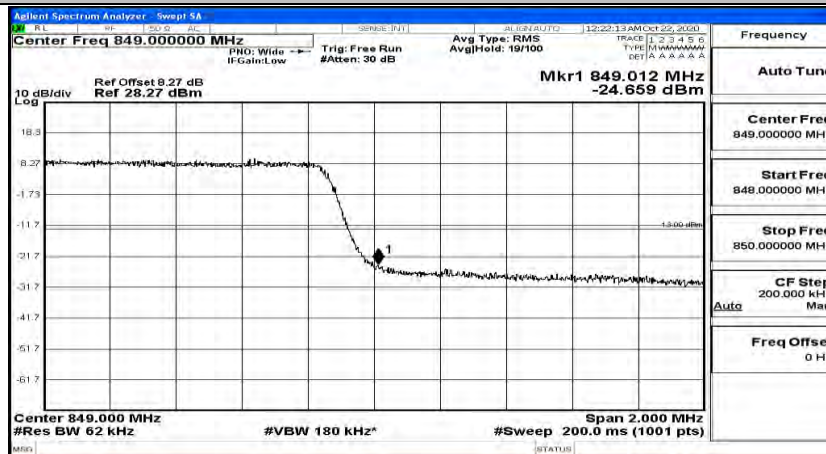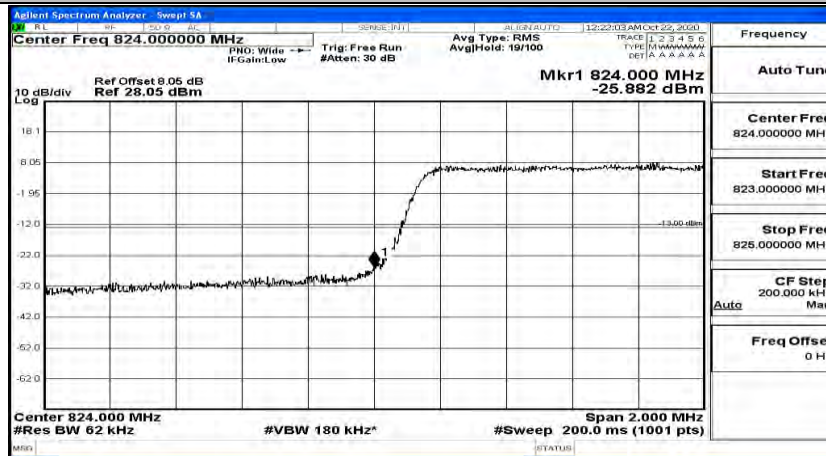| EBW & OBW Test Graph(s) (Channel Bandwidth: 1.4 MHz)_LCH_16QAM |
|---|
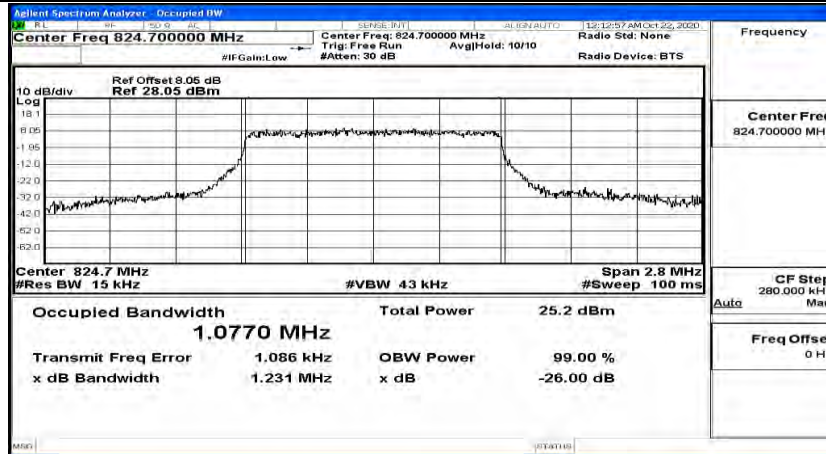
EBW & OBW Test Graph(s) (Channel Bandwidth: 1.4 MHz)_MCH_16QAM
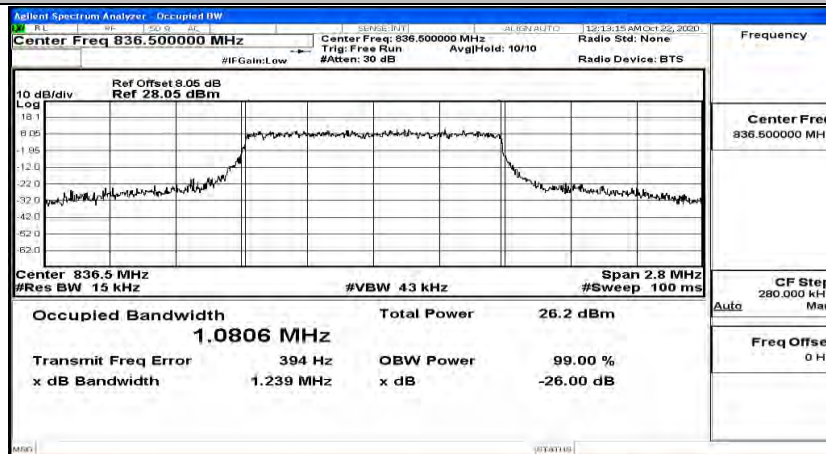
EBW & OBW Test Graph(s) (Channel Bandwidth: 1.4 MHz)_HCH_16QAM
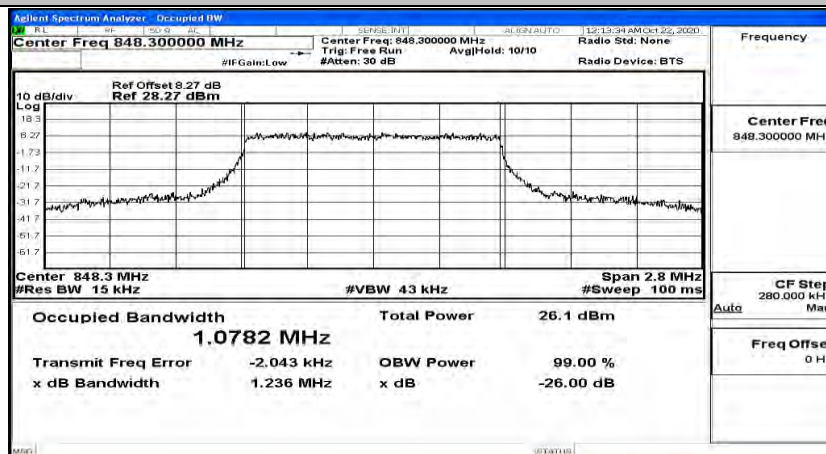
EBW & OBW Test Graph(s) (Channel Bandwidth: 3 MHz)_LCH_QPSK
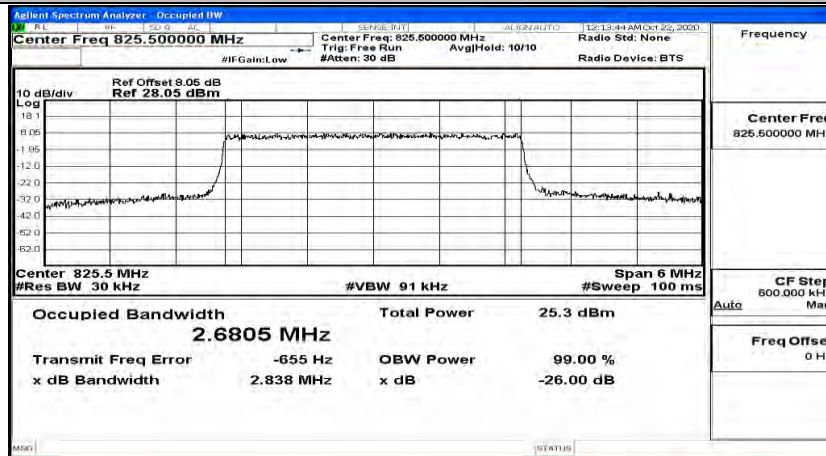
EBW & OBW Test Graph(s) (Channel Bandwidth: 3 MHz)_MCH_QPSK
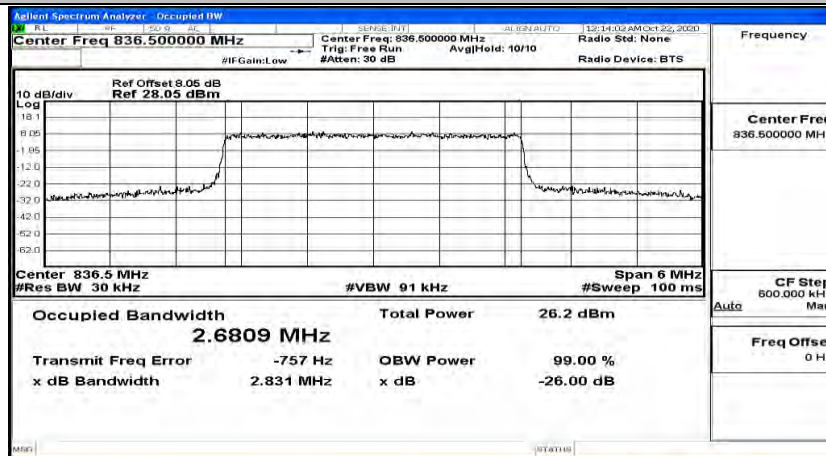
EBW & OBW Test Graph(s) (Channel Bandwidth: 3 MHz)_HCH_QPSK
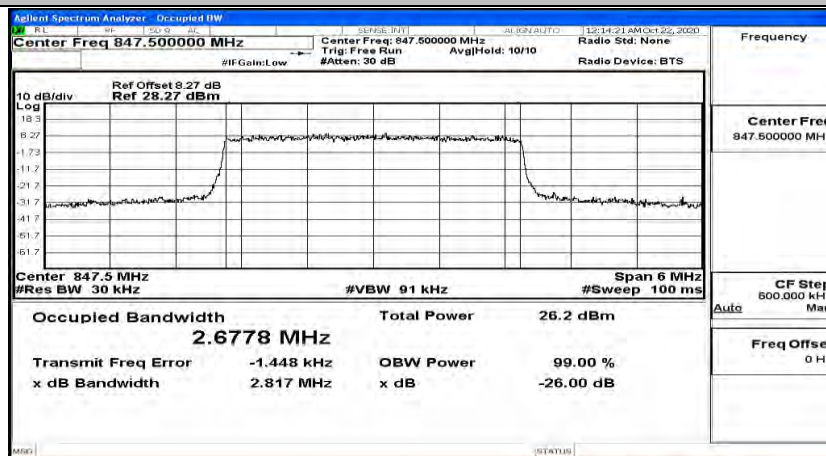
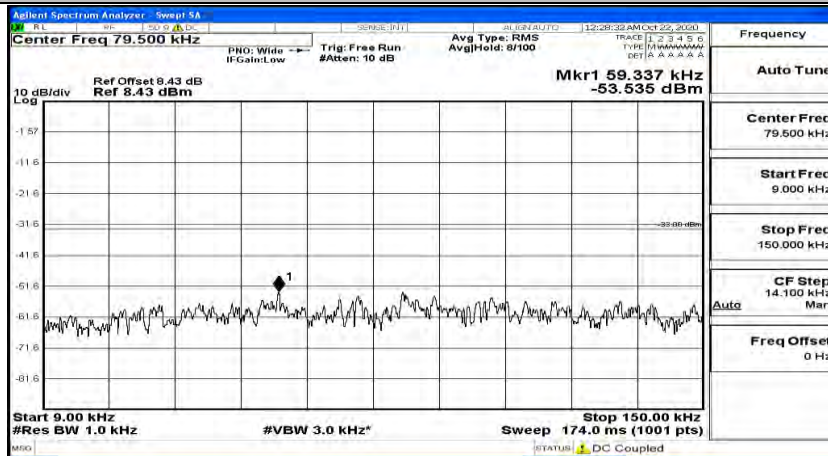| EBW & OBW Test Graph(s) (Channel Bandwidth: 3 MHz)_LCH_16QAM |
|---|
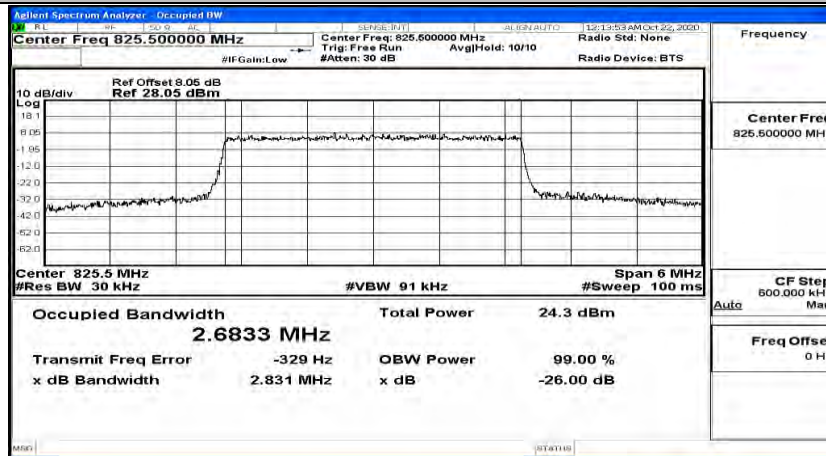
EBW & OBW Test Graph(s) (Channel Bandwidth: 3 MHz)_MCH_16QAM
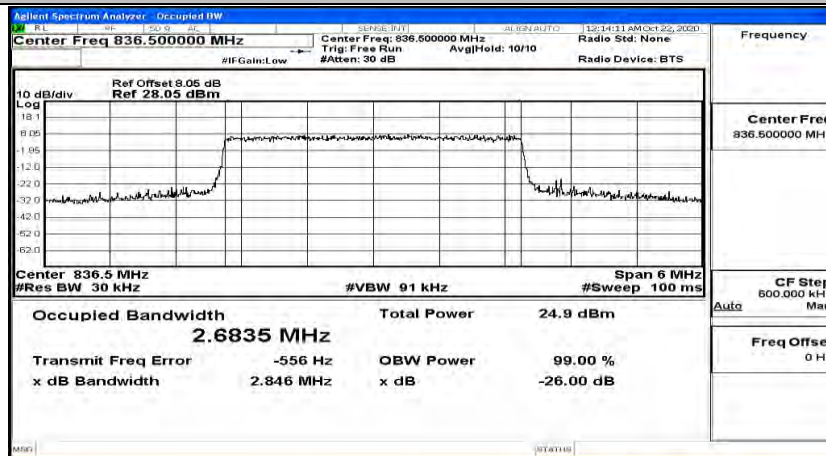
EBW & OBW Test Graph(s) (Channel Bandwidth: 3 MHz)_HCH_16QAM
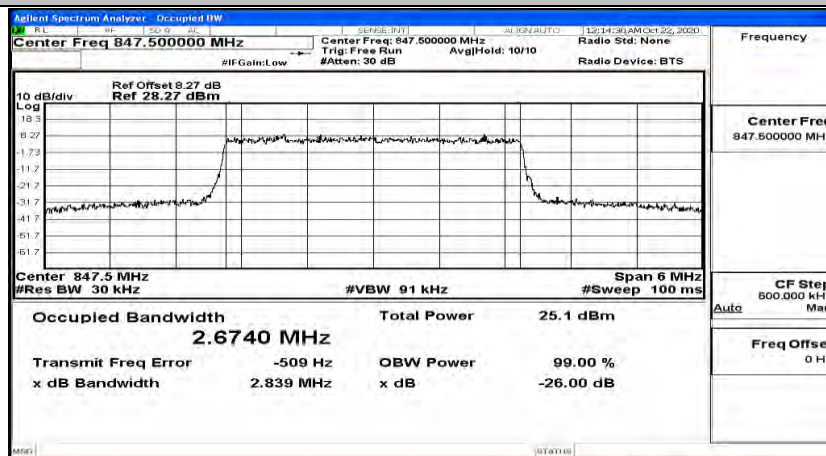
EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_QPSK
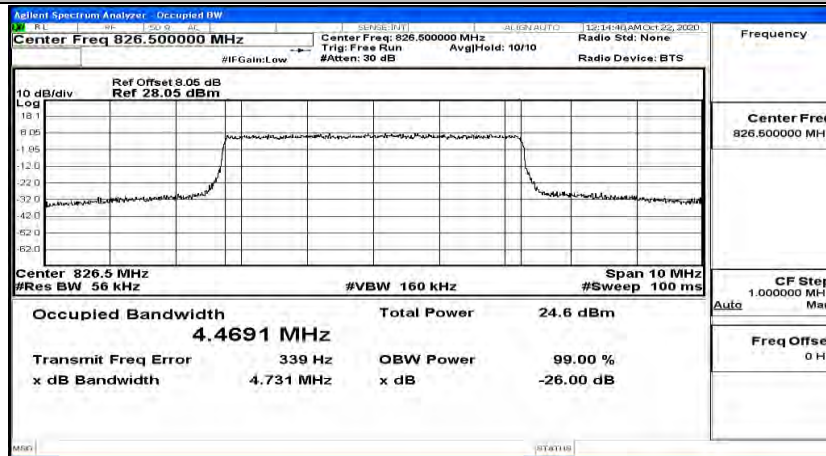
EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz)_MCH_QPSK
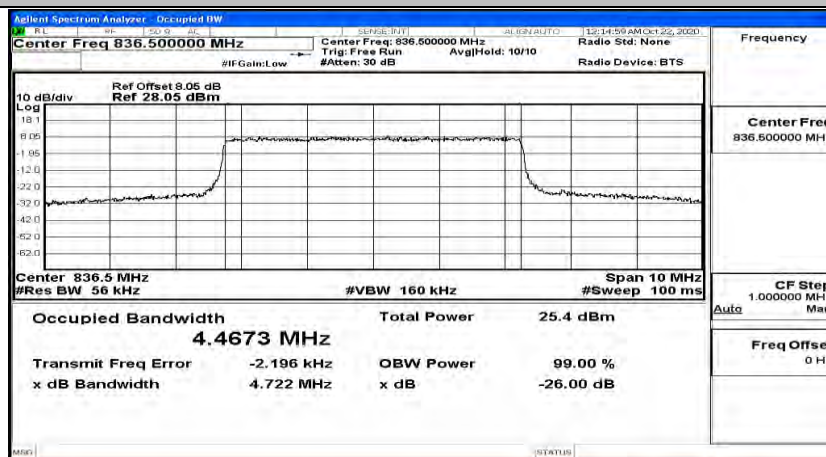
EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_QPSK
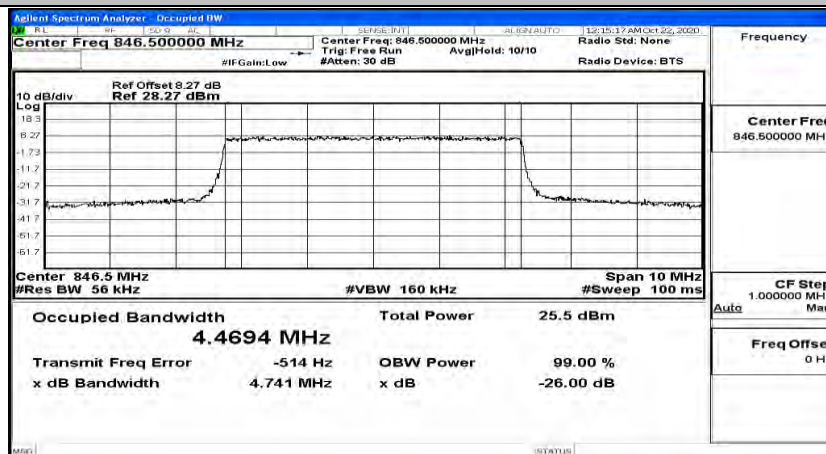
EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_16QAM
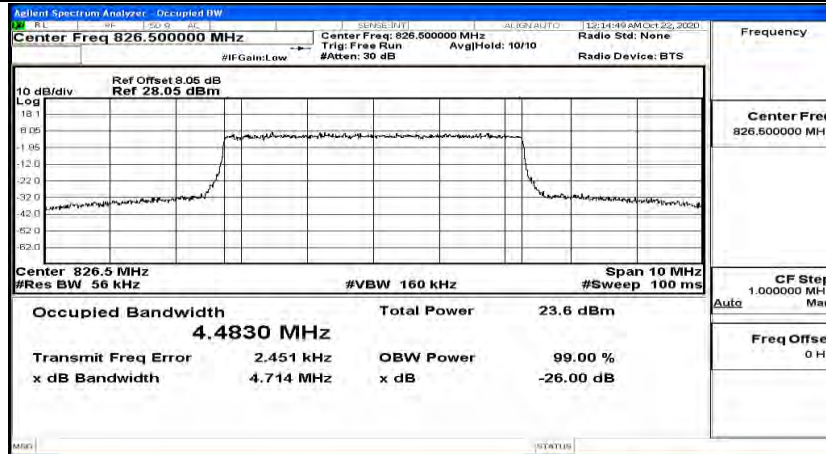
EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz)_MCH_16QAM
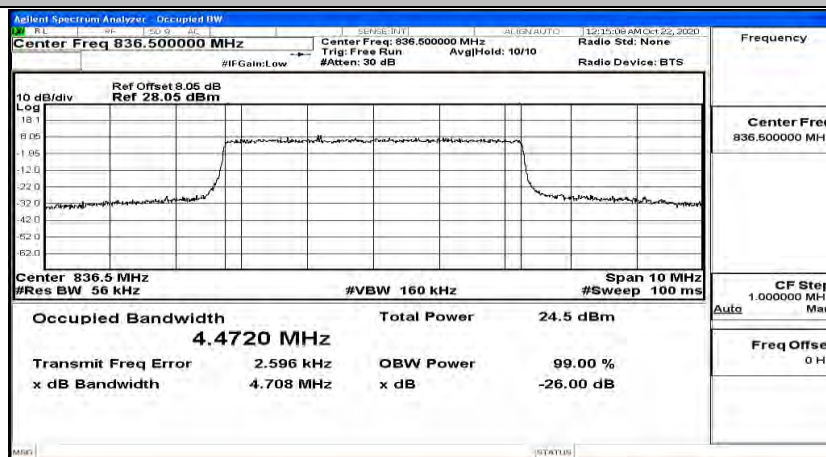
EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_16QAM
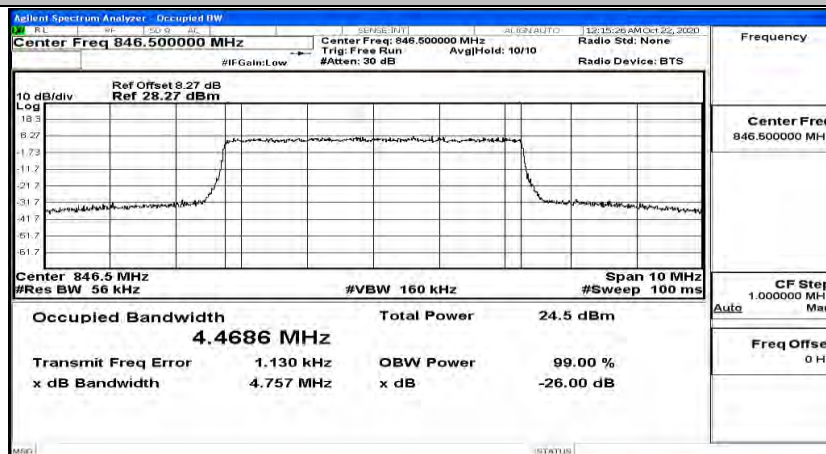
EBW & OBW Test Graph(s) (Channel Bandwidth: 10 MHz)_LCH_QPSK
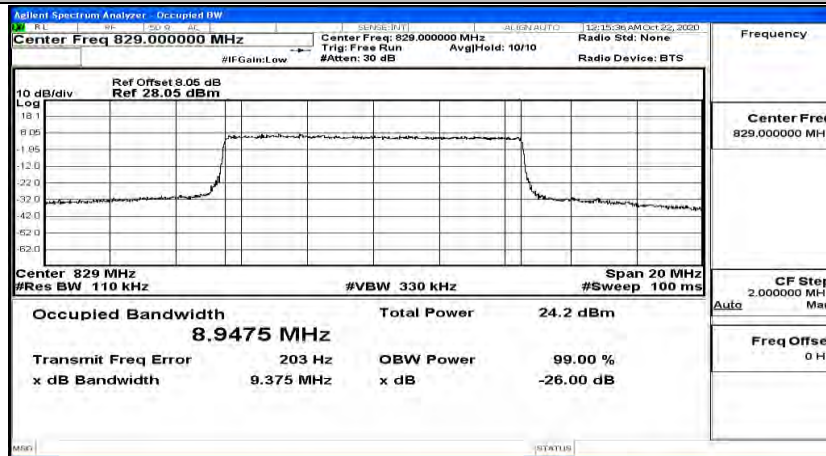
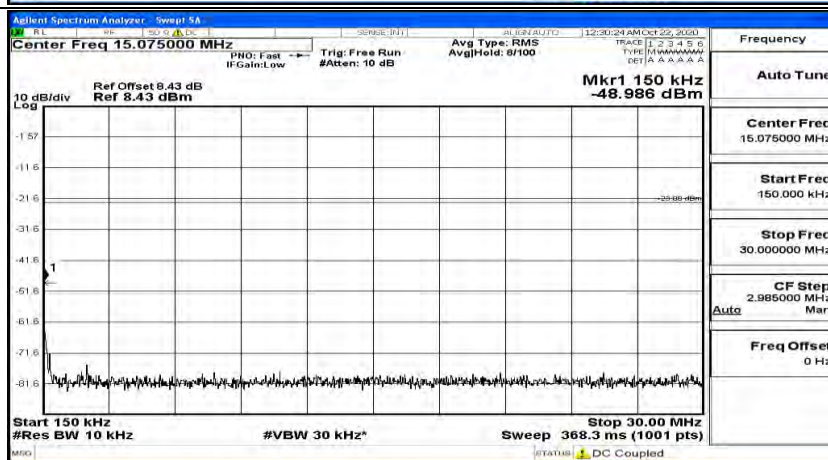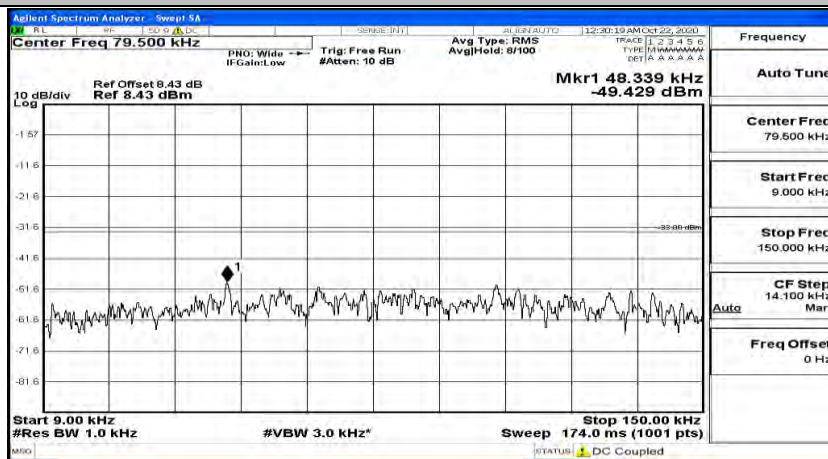| EBW & OBW Test Graph(s) (Channel Bandwidth: 10 MHz)_MCH_QPSK |
|---|
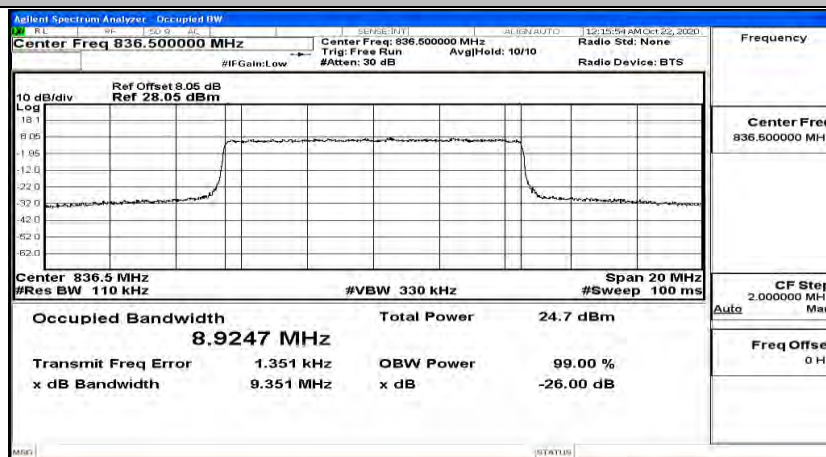
EBW & OBW Test Graph(s) (Channel Bandwidth: 10 MHz)_HCH_QPSK
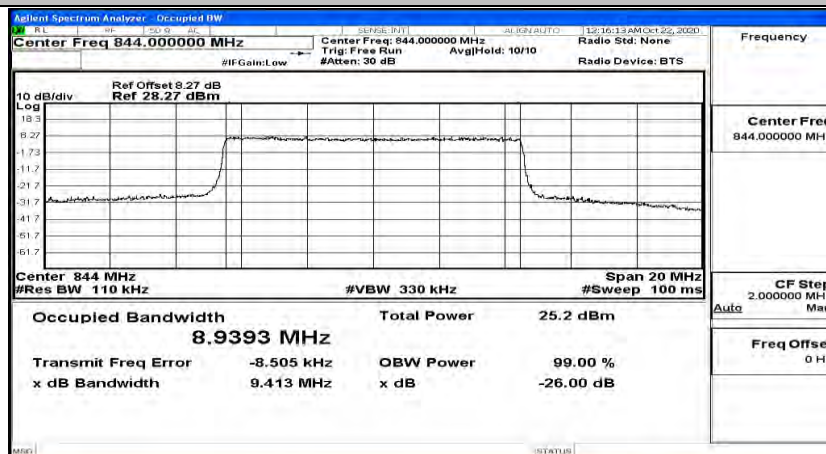
EBW & OBW Test Graph(s) (Channel Bandwidth: 10 MHz)_LCH_16QAM
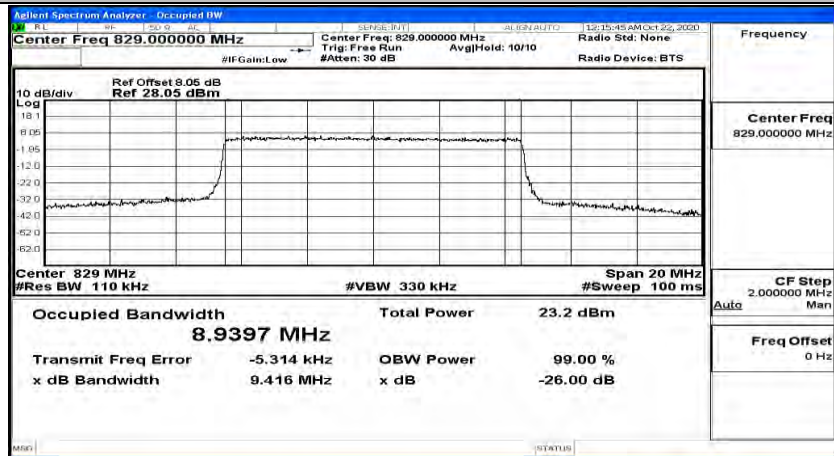
EBW & OBW Test Graph(s) (Channel Bandwidth: 10 MHz)_MCH_16QAM
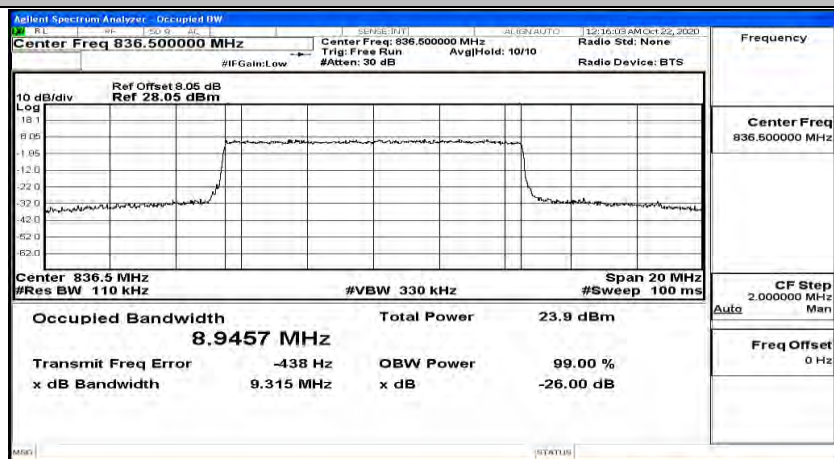
EBW & OBW Test Graph(s) (Channel Bandwidth: 10 MHz)_HCH_16QAM
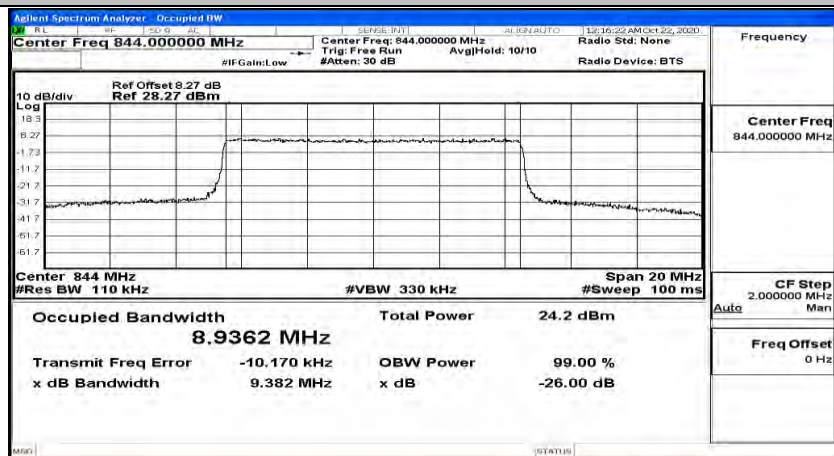
H.4 Band Edge

Band Edge Test Graph(s) (Channel Bandwidth: 1.4 MHz)_LCH_QPSK
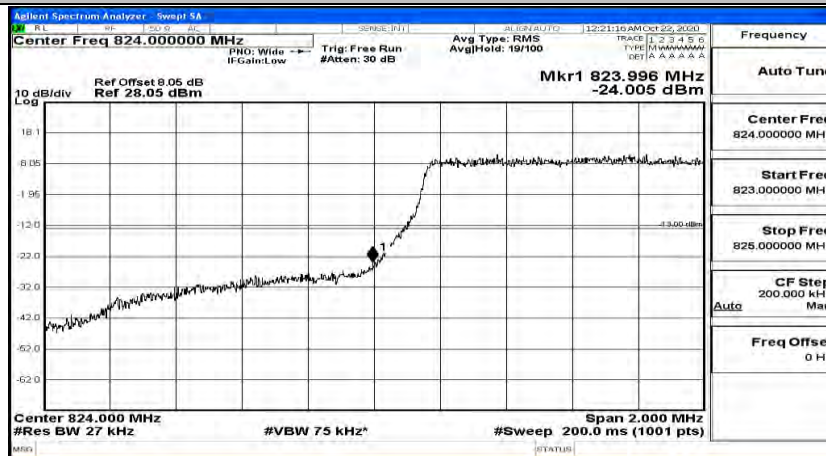
Band Edge Test Graph(s) (Channel Bandwidth: 1.4 MHz)_HCH_QPSK

Band Edge Test Graph(s) (Channel Bandwidth: 1.4 MHz)_LCH_16QAM

Band Edge Test Graph(s) (Channel Bandwidth: 1.4 MHz)_HCH_16QAM
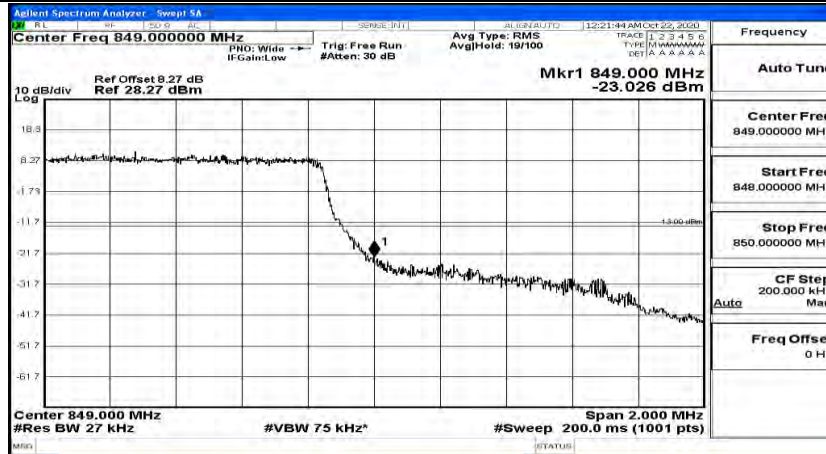
Band Edge Test Graph(s) (Channel Bandwidth: 3 MHz)_LCH_QPSK
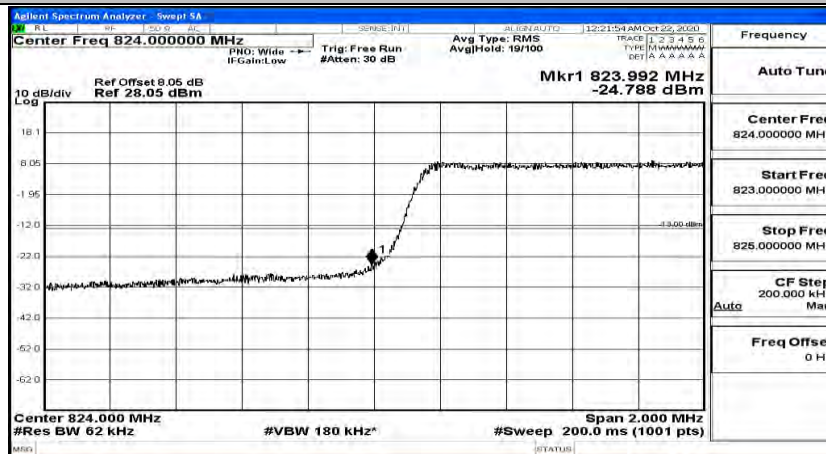
Band Edge Test Graph(s) (Channel Bandwidth: 3 MHz)_HCH_QPSK

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Page 24 of 88

Band Edge Test Graph(s) (Channel Bandwidth: 3 MHz)_LCH_16QAM

Band Edge Test Graph(s) (Channel Bandwidth: 3 MHz)_HCH_16QAM
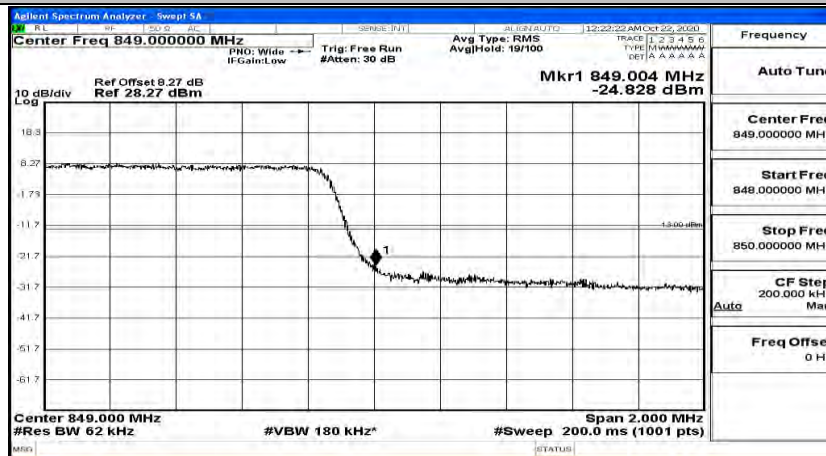
Band Edge Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_QPSK
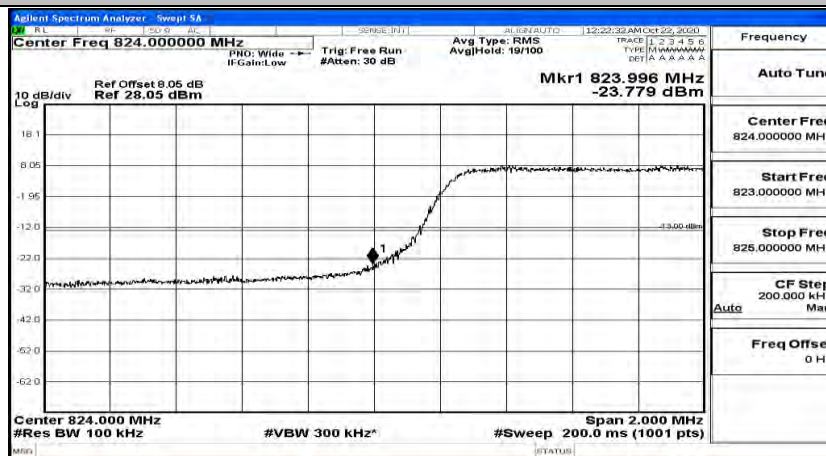
Band Edge Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_QPSK
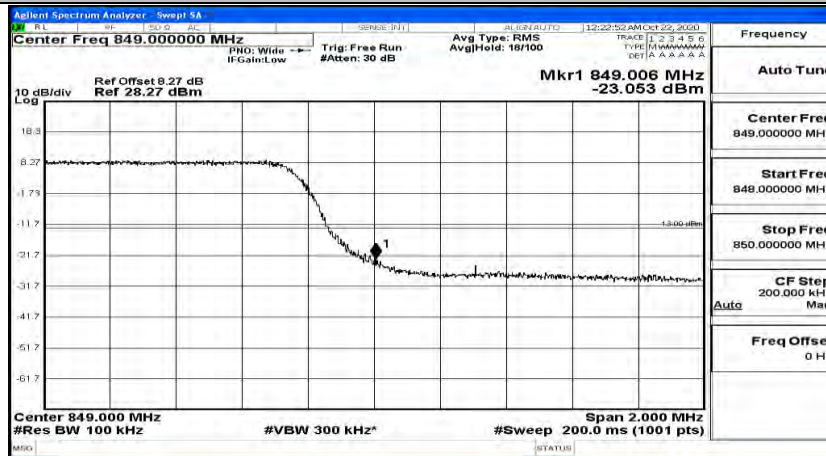
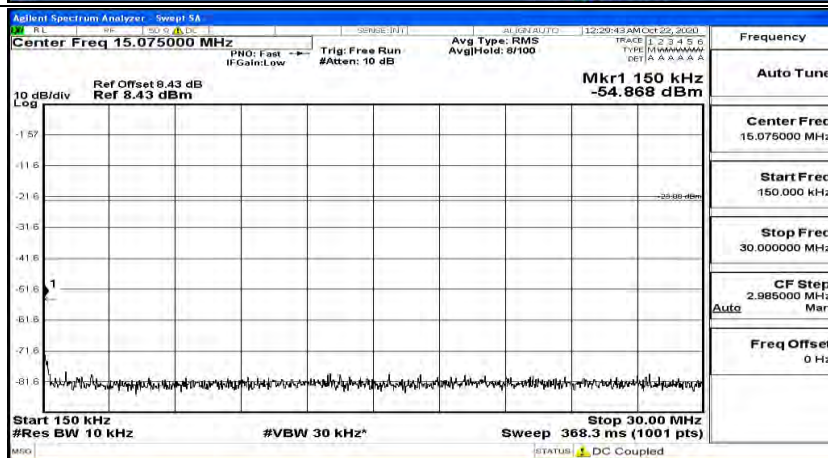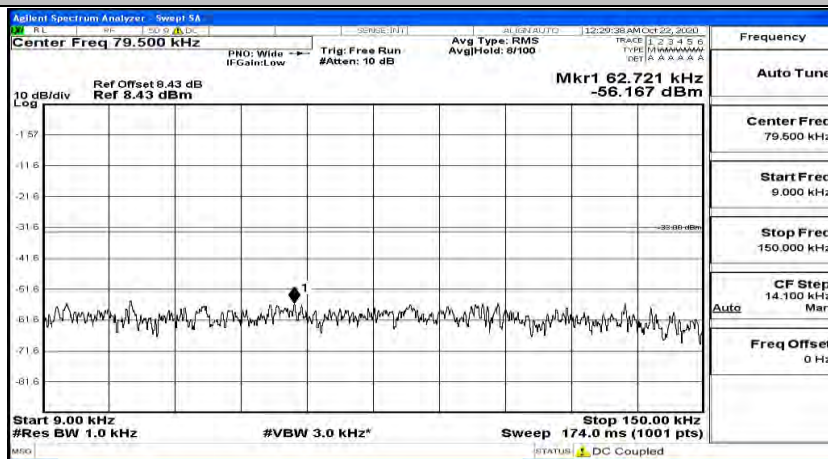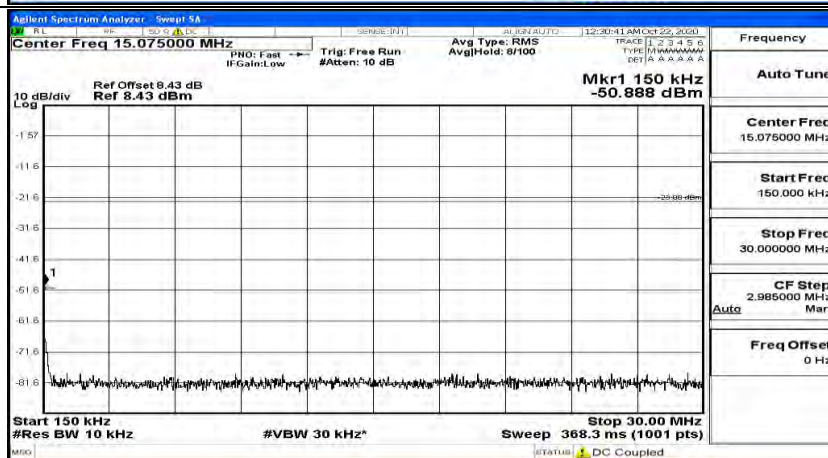Band Edge Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_16QAM
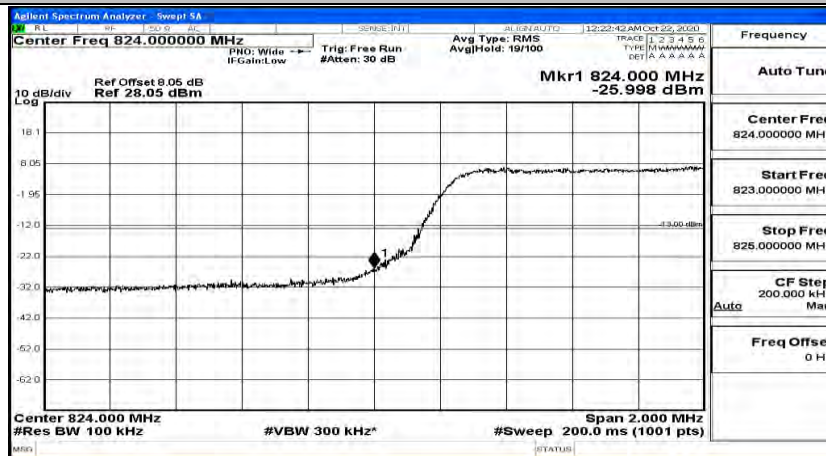
Band Edge Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_16QAM
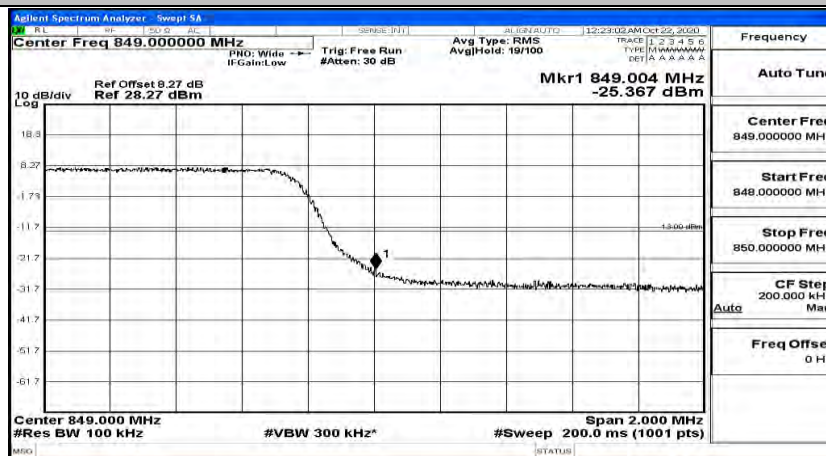
Band Edge Test Graph(s) (Channel Bandwidth: 10 MHz)_LCH_QPSK
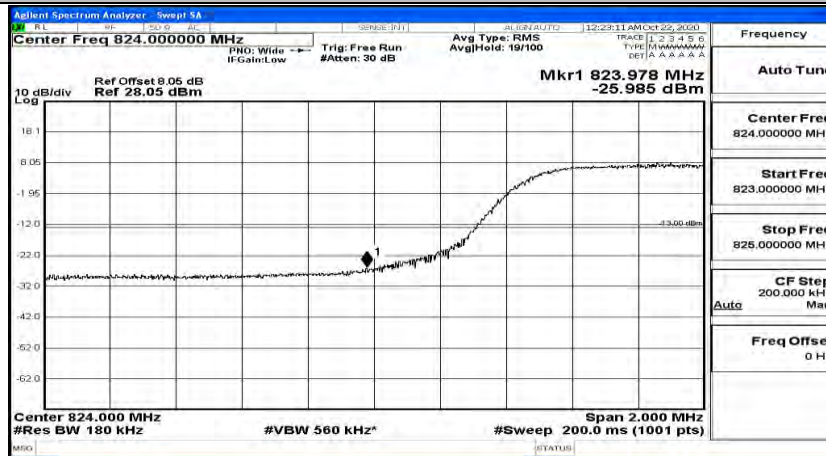
Band Edge Test Graph(s) (Channel Bandwidth: 10 MHz)_HCH_QPSK
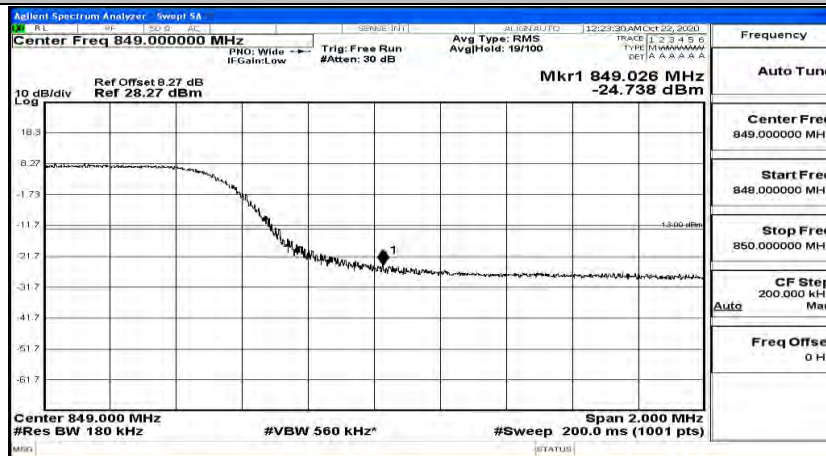
Band Edge Test Graph(s) (Channel Bandwidth: 10 MHz)_LCH_16QAM
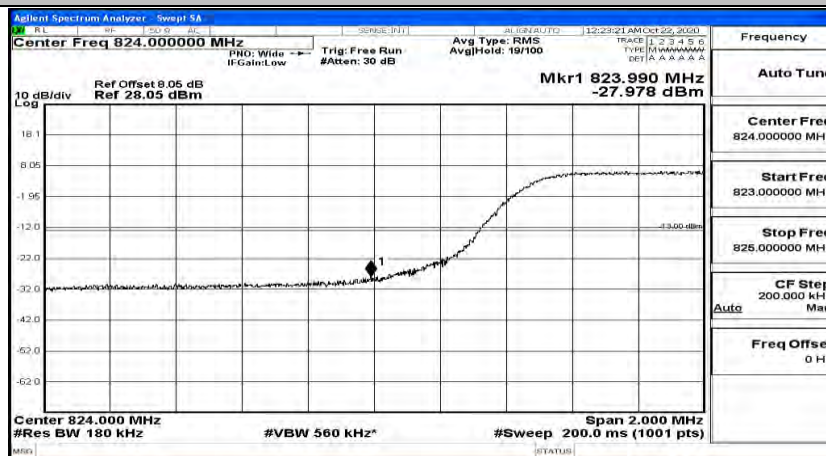
Band Edge Test Graph(s) (Channel Bandwidth: 10 MHz)_HCH_16QAM
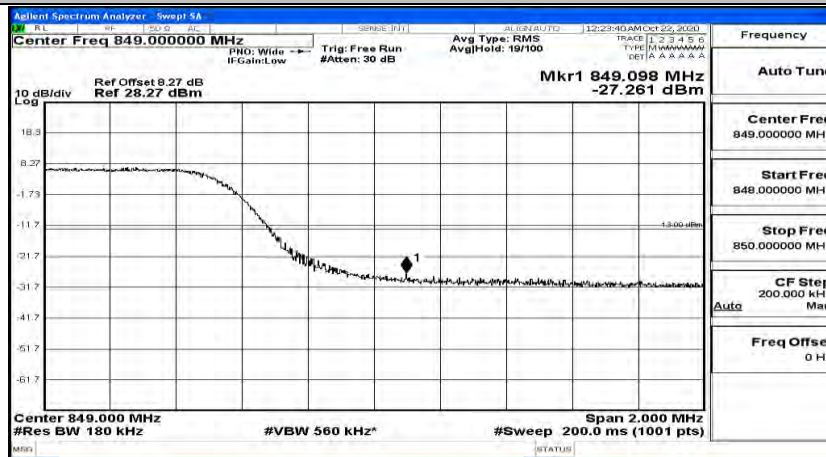
H.5 Conducted Spurious Emission**Channel Bandwidth: 1.4 MHz**

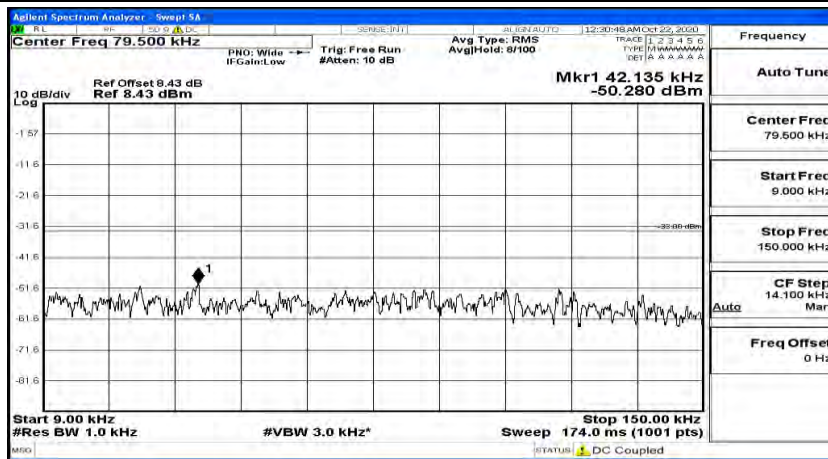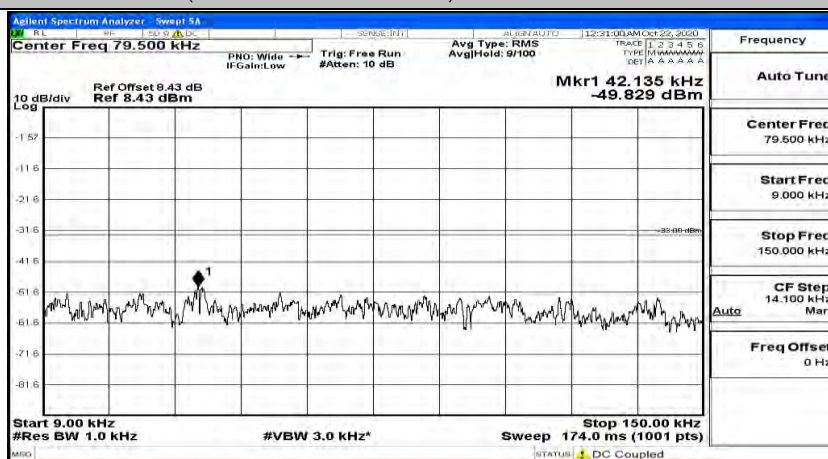| (Channel Bandwidth: 1.4 MHz)_LCH_QPSK_1RB#0 |
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| |
| (Channel Bandwidth: 1.4 MHz)_LCH_QPSK_1RB#3 |
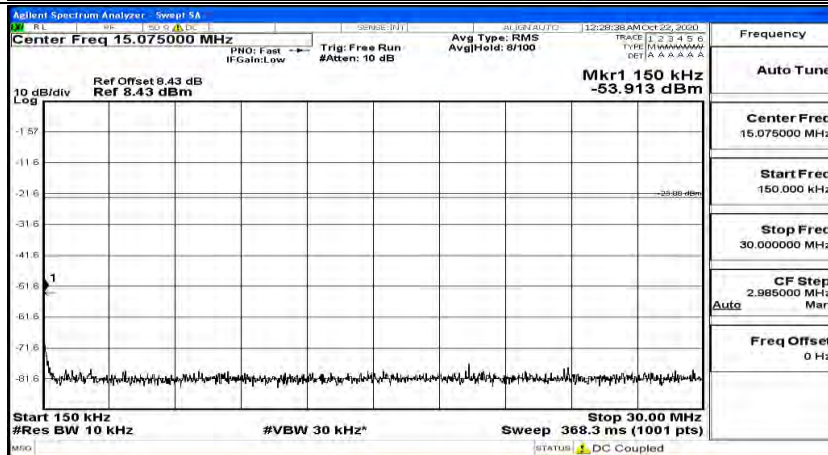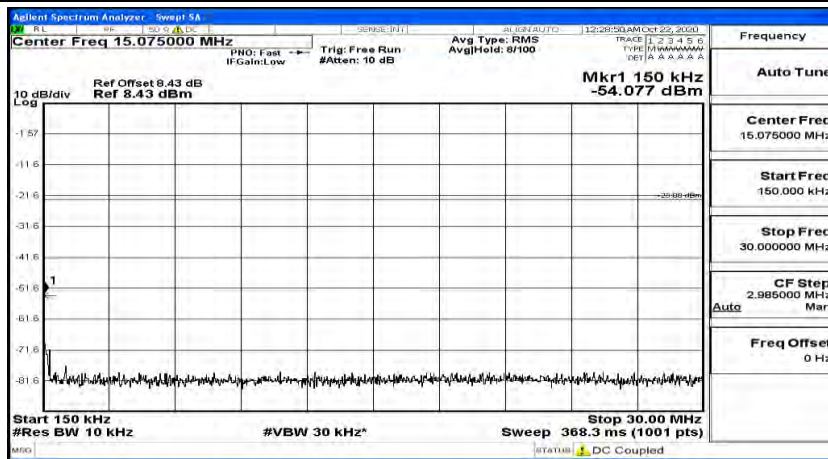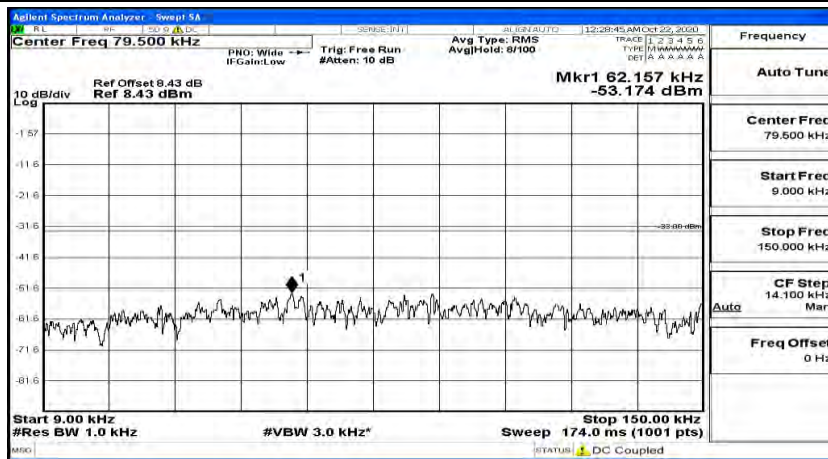
(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_1RB#5
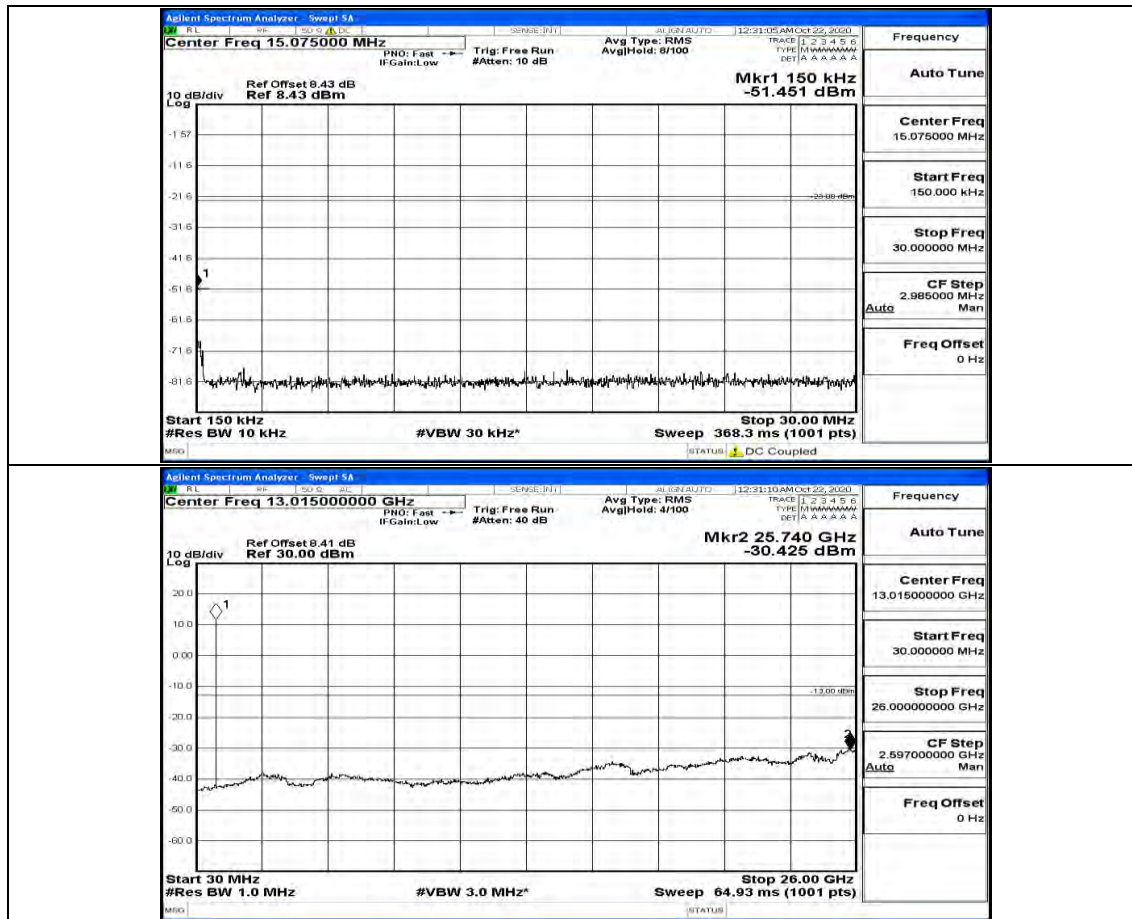
(Channel Bandwidth: 1.4 MHz)_MCH_QPSK_1RB#0
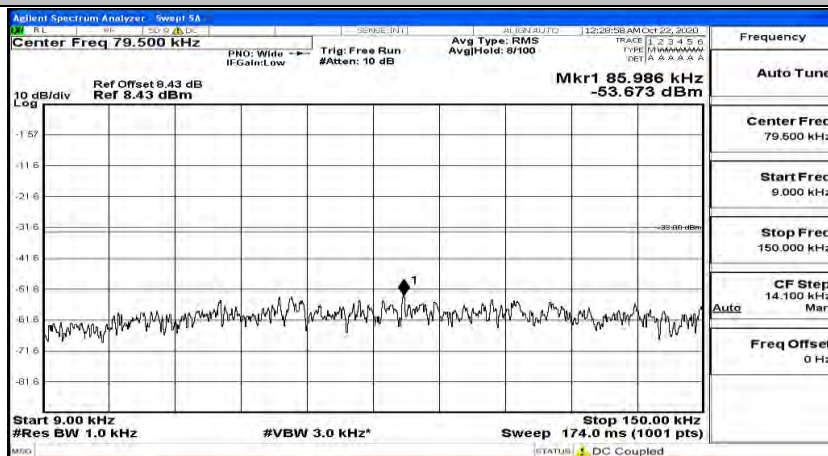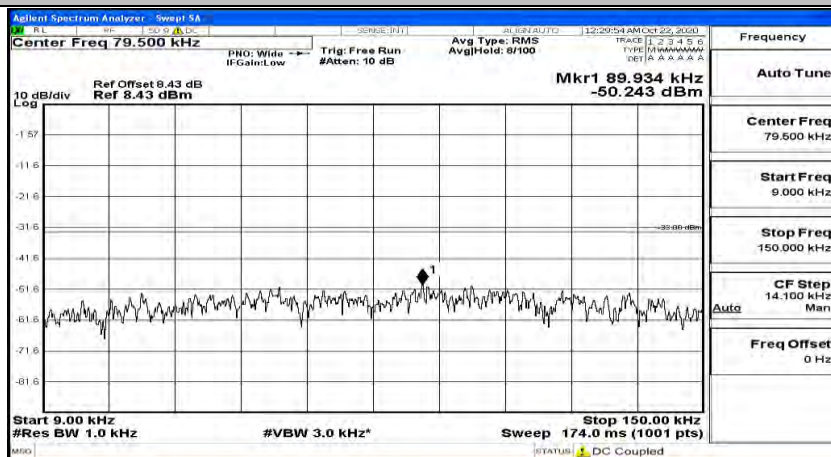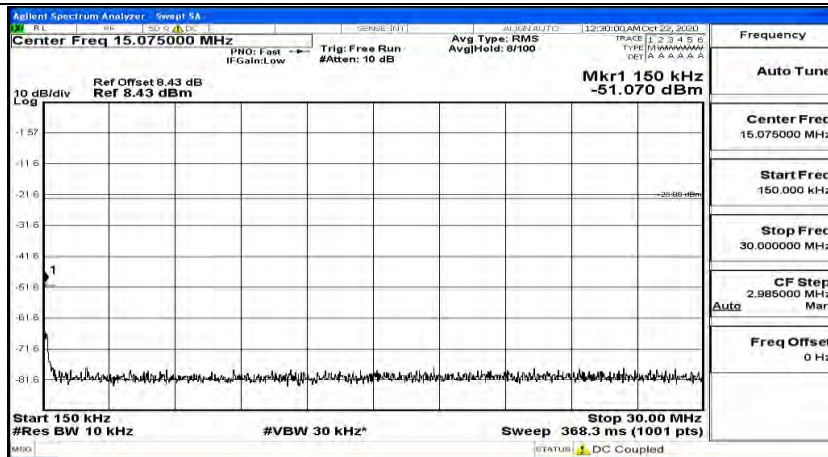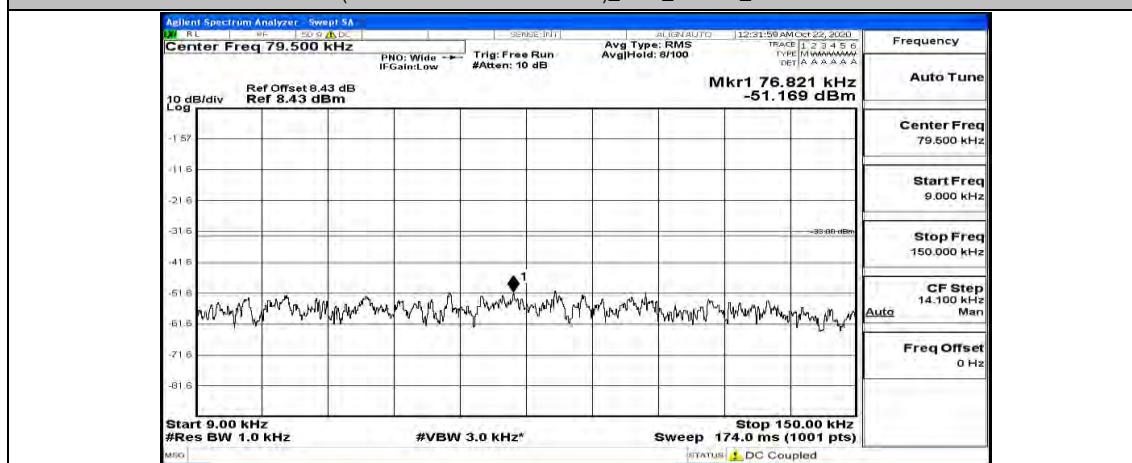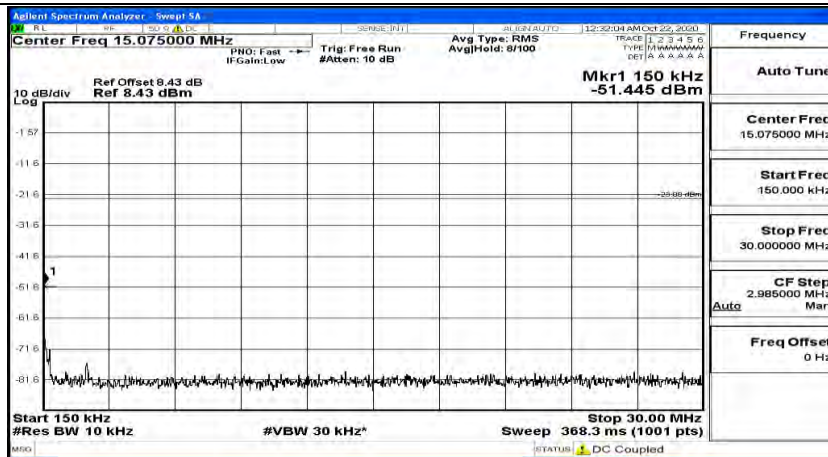
(Channel Bandwidth: 1.4 MHz)_MCH_QPSK_1RB#3
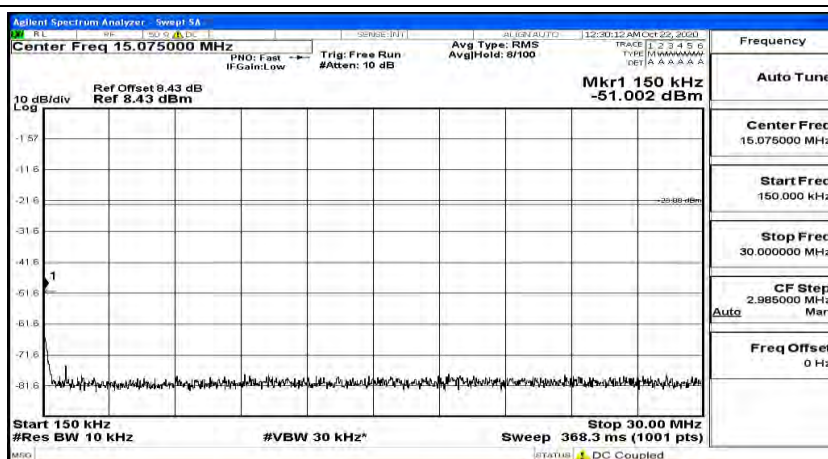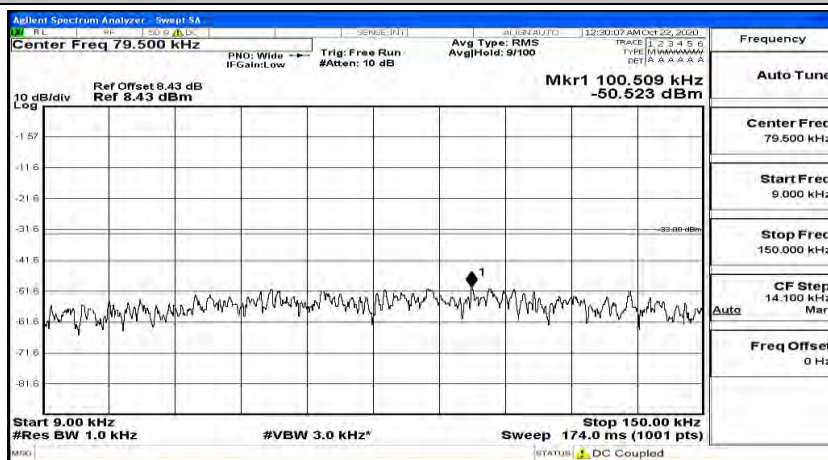
(Channel Bandwidth: 1.4 MHz)_MCH_QPSK_1RB#5

(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_1RB#0

(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_1RB#3

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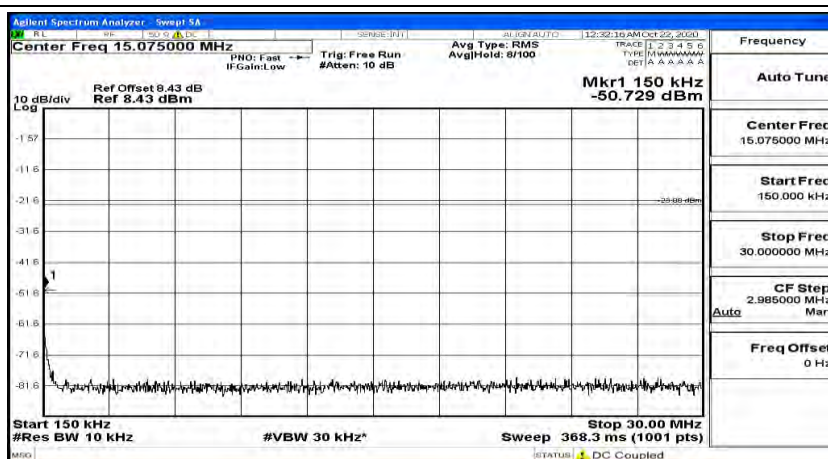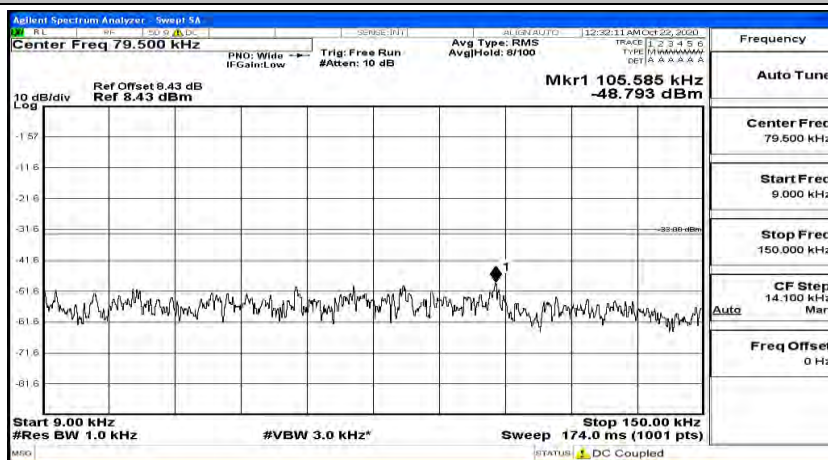
Page 34 of 88
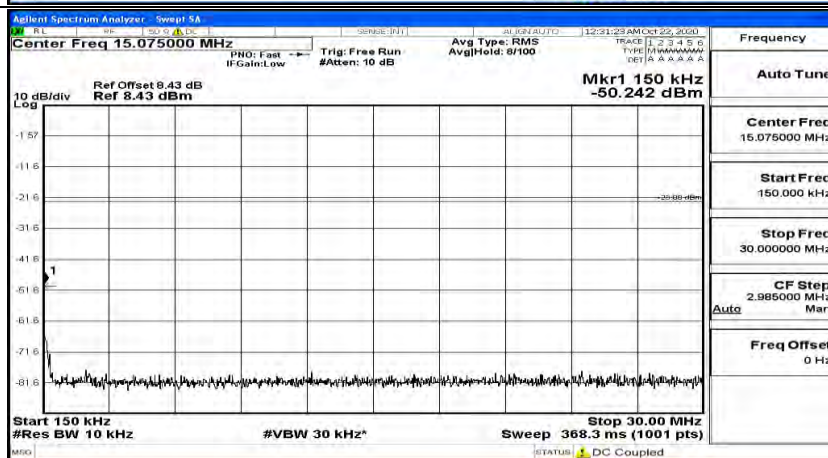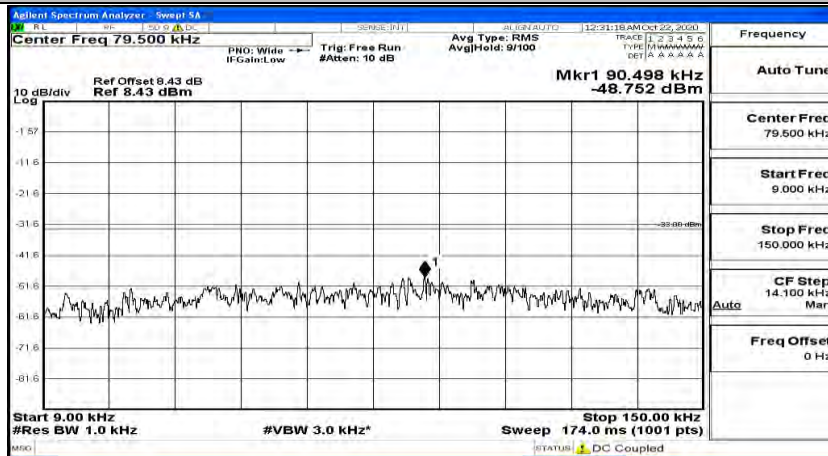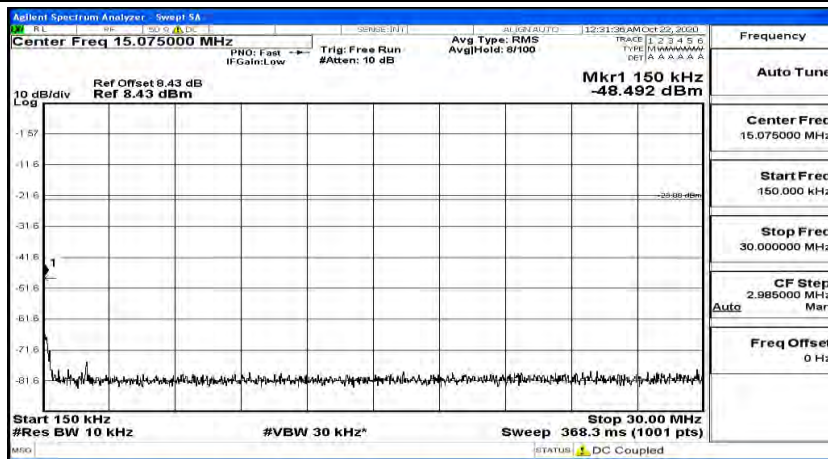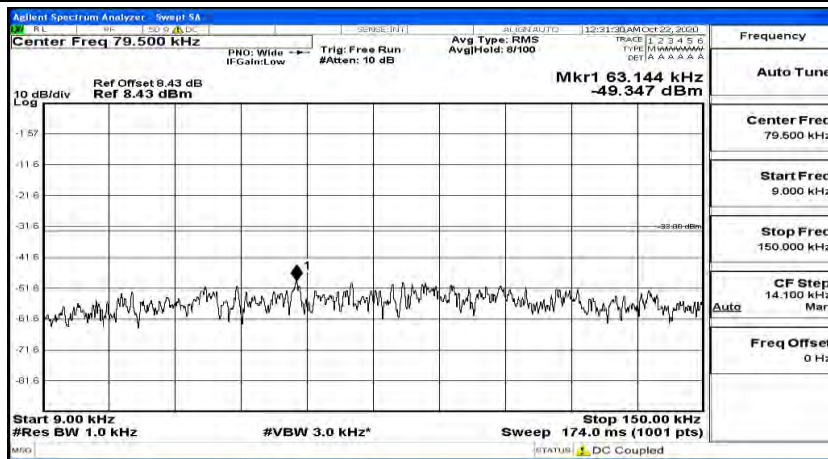
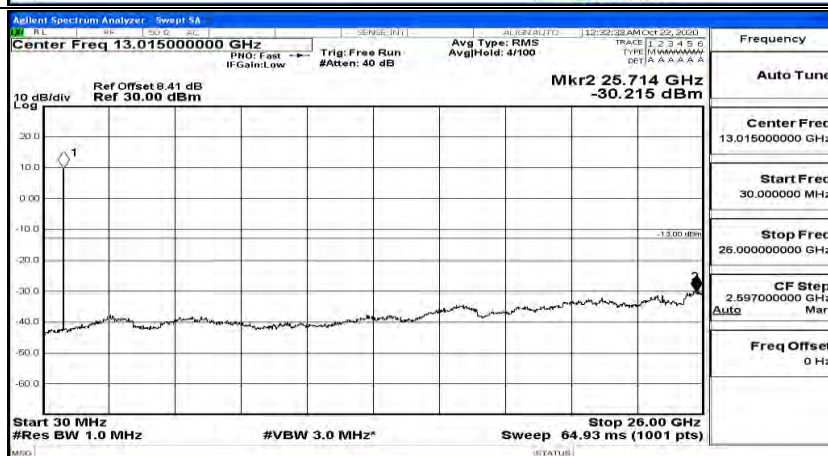(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_1RB#5
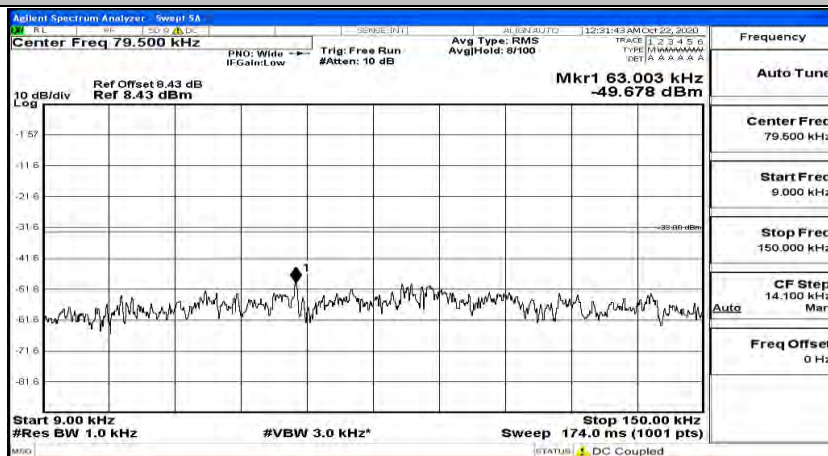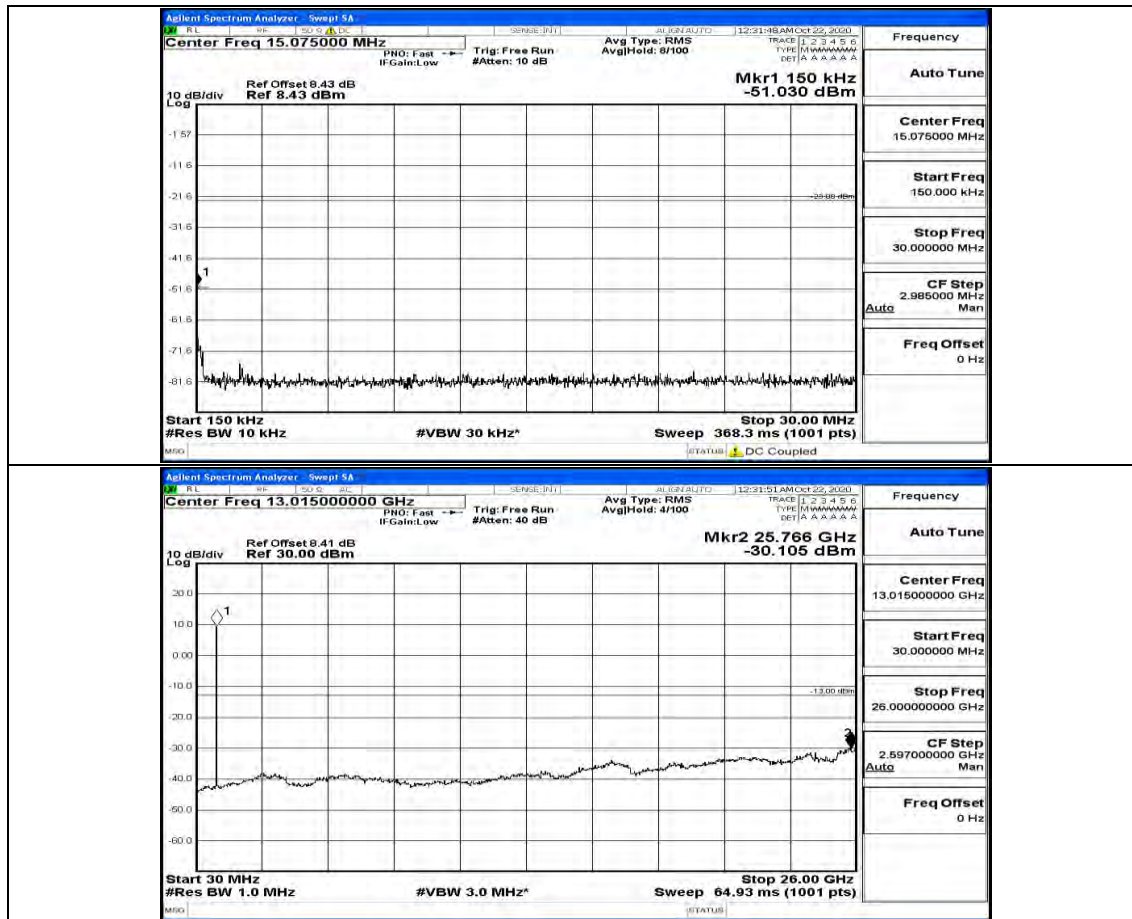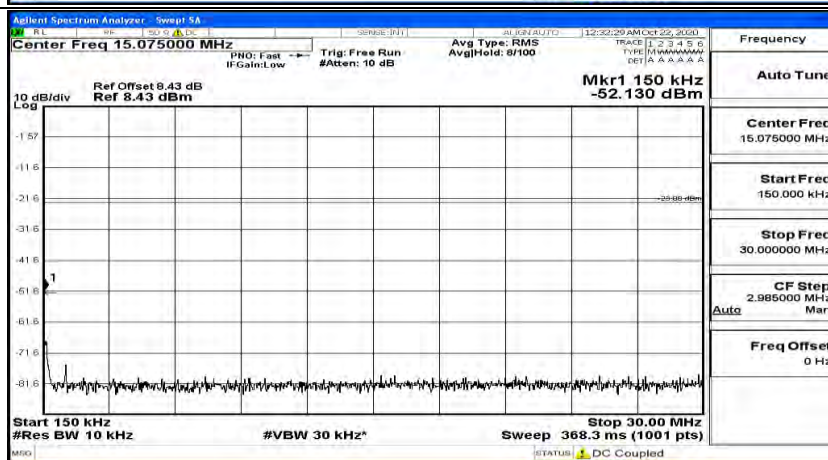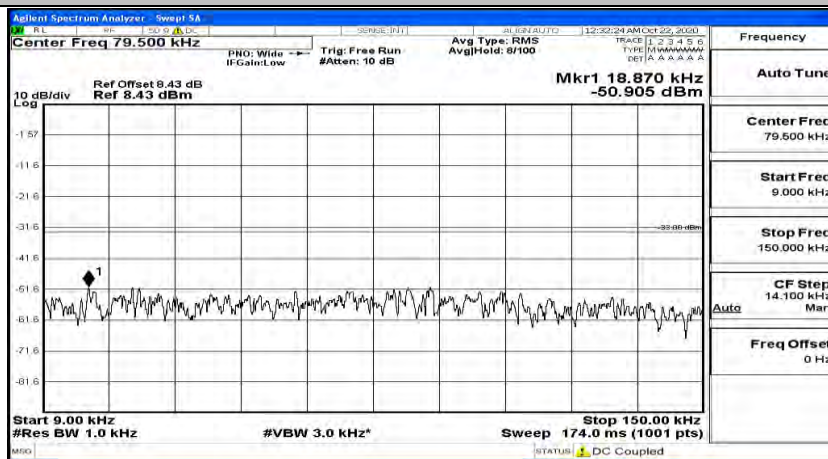
(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_1RB#0

(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_1RB#3

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Page 37 of 88

(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_1RB#5

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Page 38 of 88
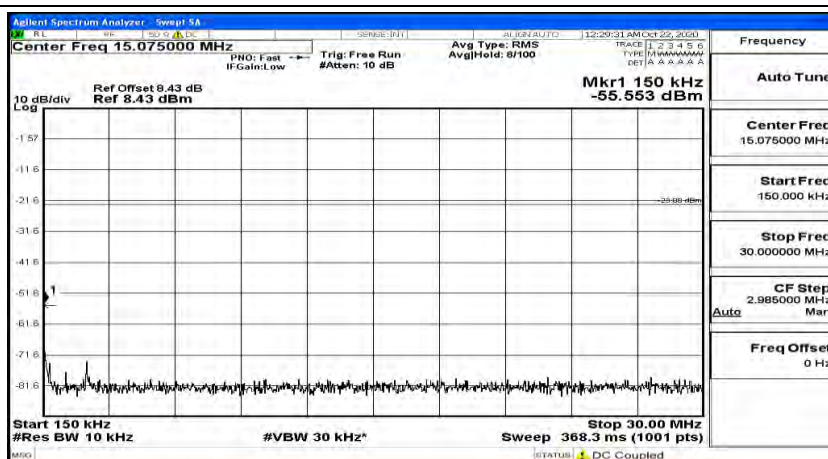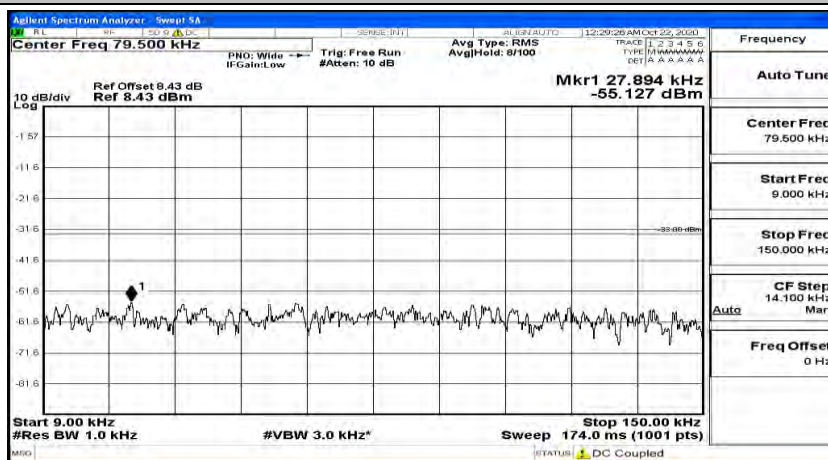
(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_1RB#0
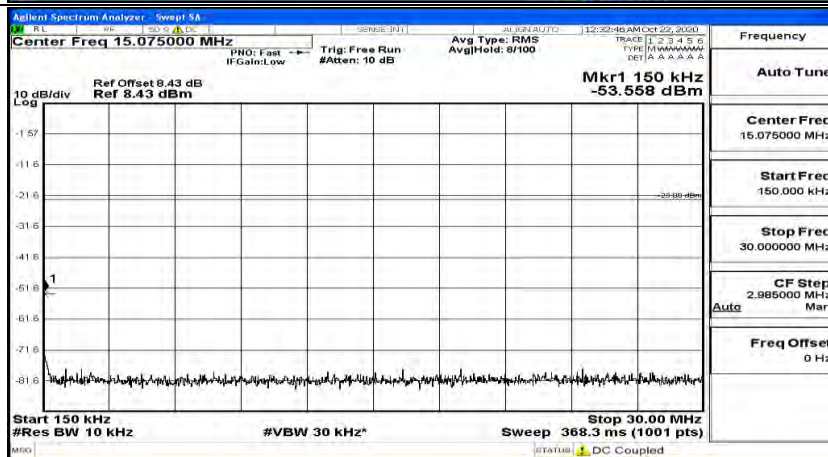

(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_1RB#3
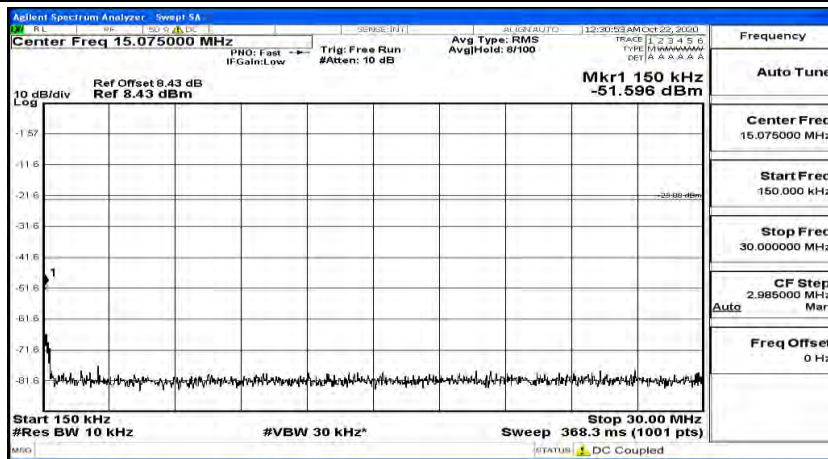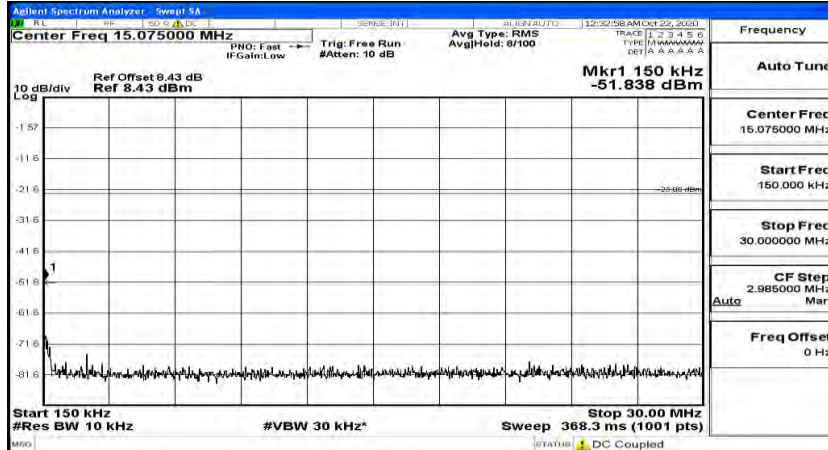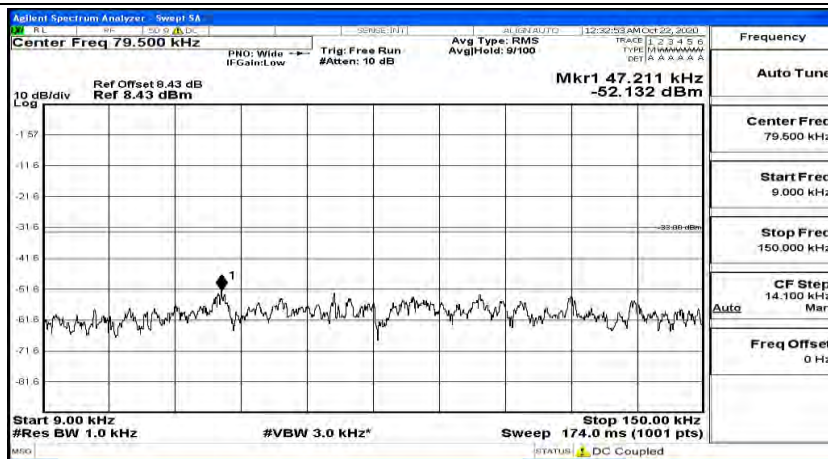
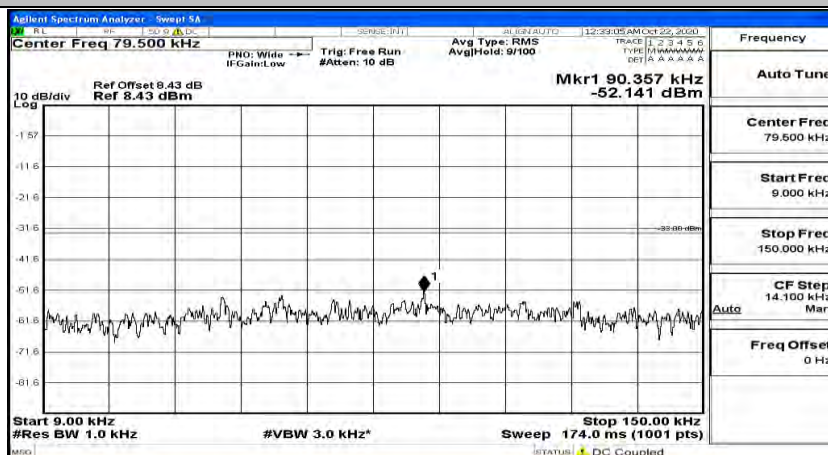(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_1RB#5

(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_1RB#0

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Page 41 of 88

(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_1RB#3

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Page 42 of 88

(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_1RB#5

Channel Bandwidth: 3 MHz

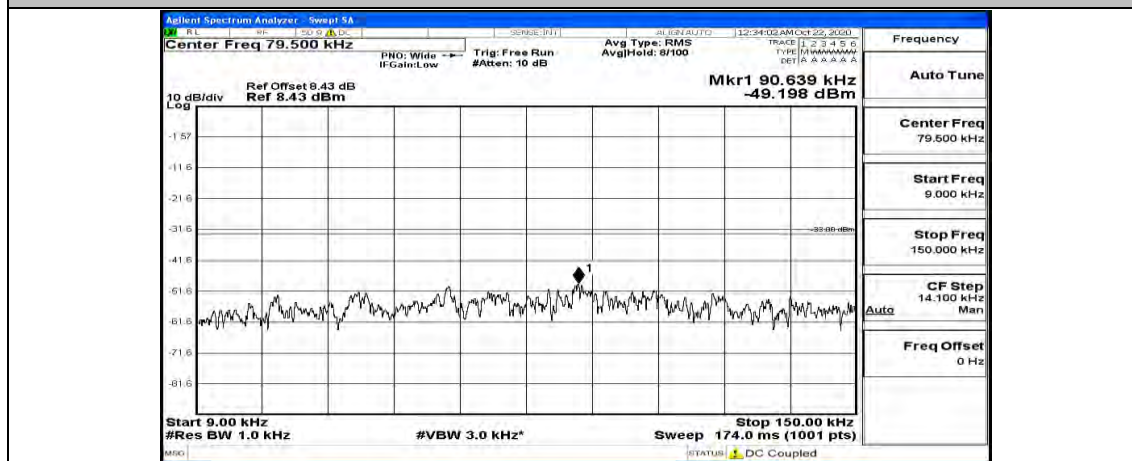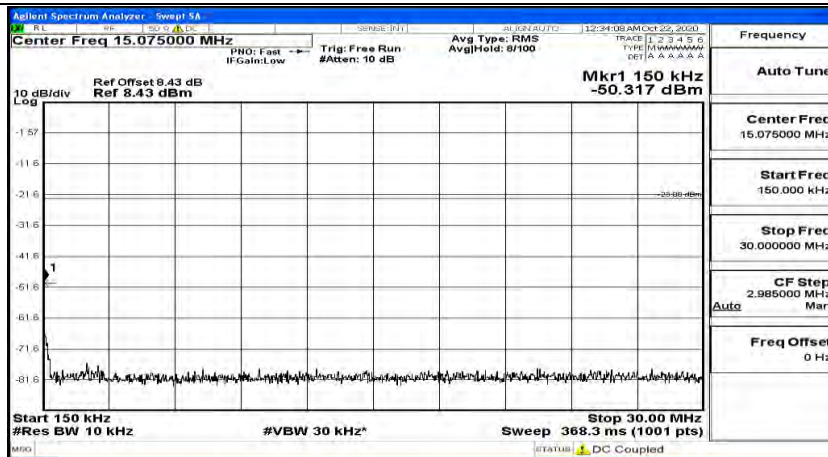| (Channel Bandwidth: 3 MHz)_LCH_QPSK_1RB#0 |
|---|

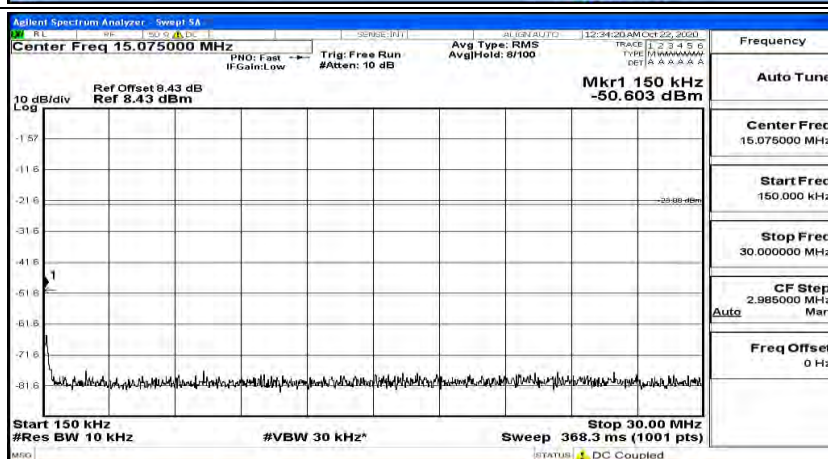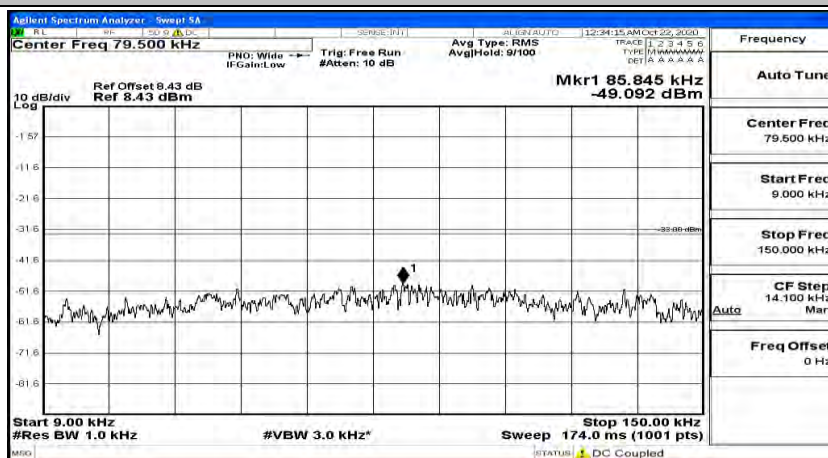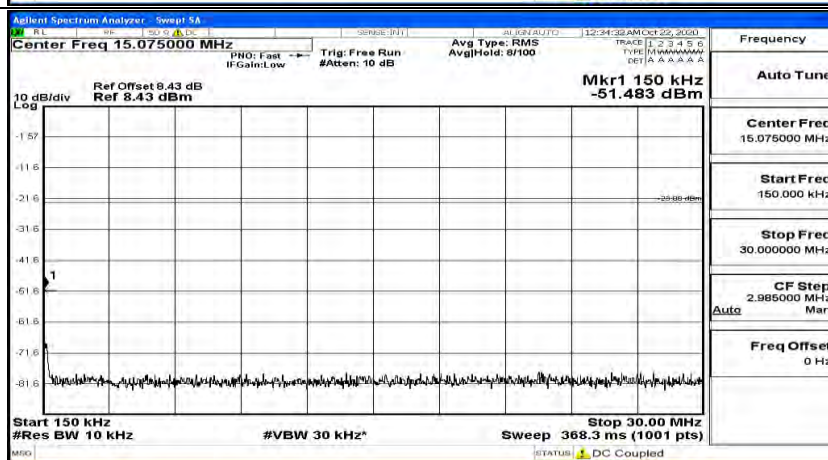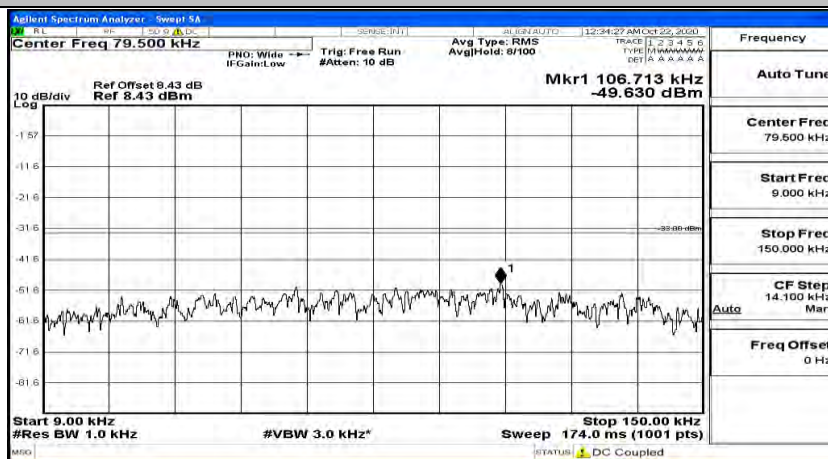| (Channel Bandwidth: 3 MHz)_LCH_QPSK_1RB#7 |
|---|
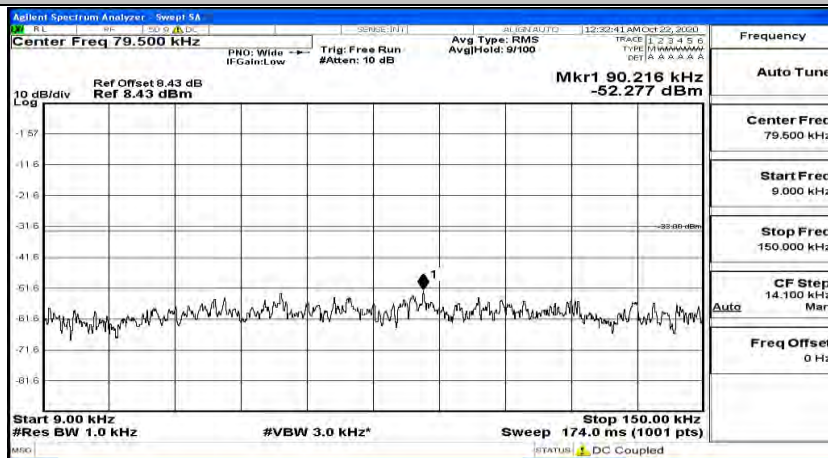
(Channel Bandwidth: 3 MHz)_LCH_QPSK_1RB#14

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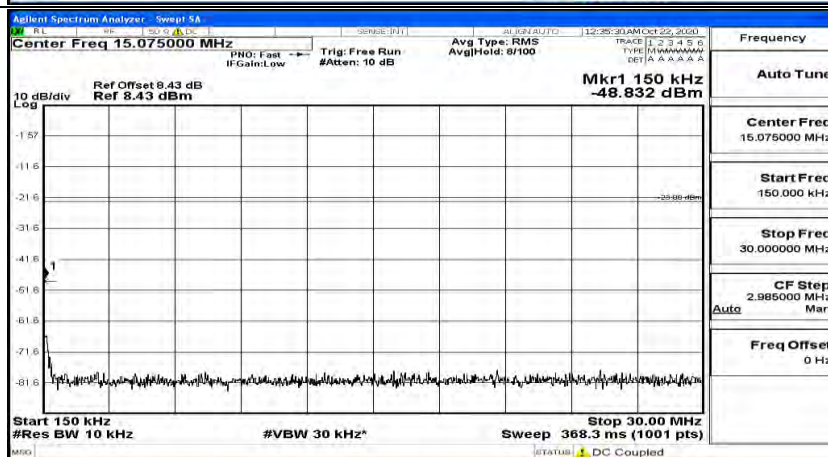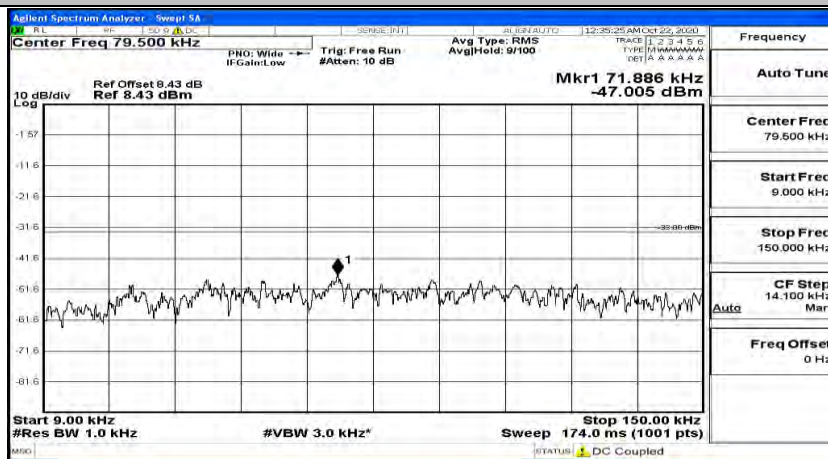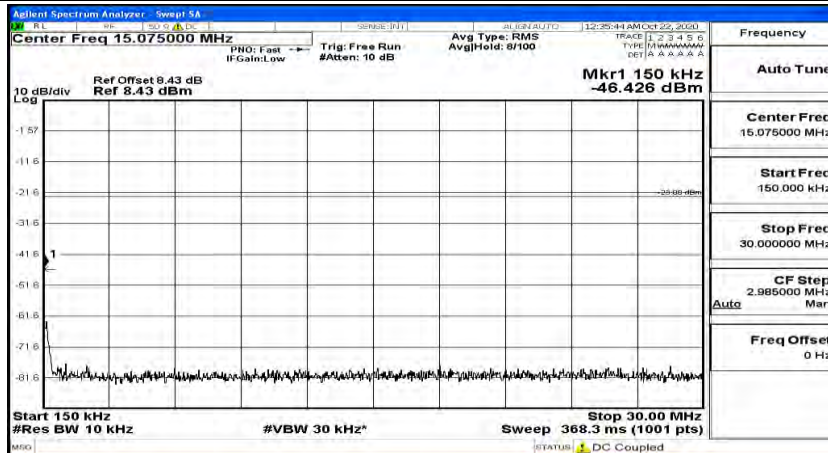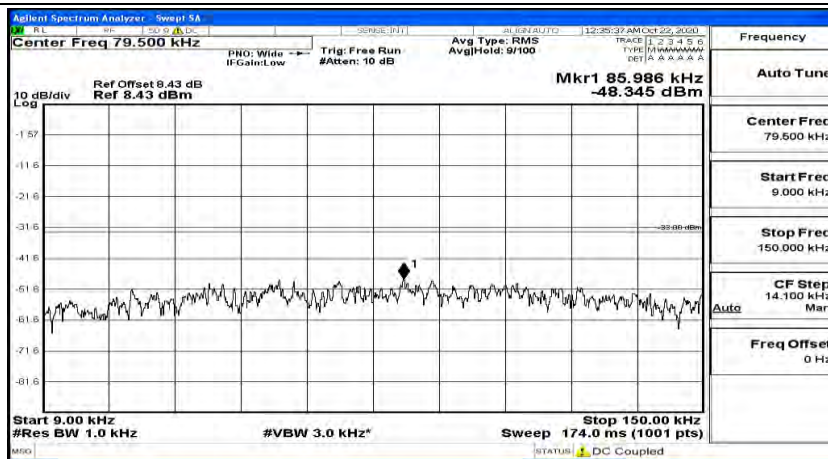
Page 45 of 88
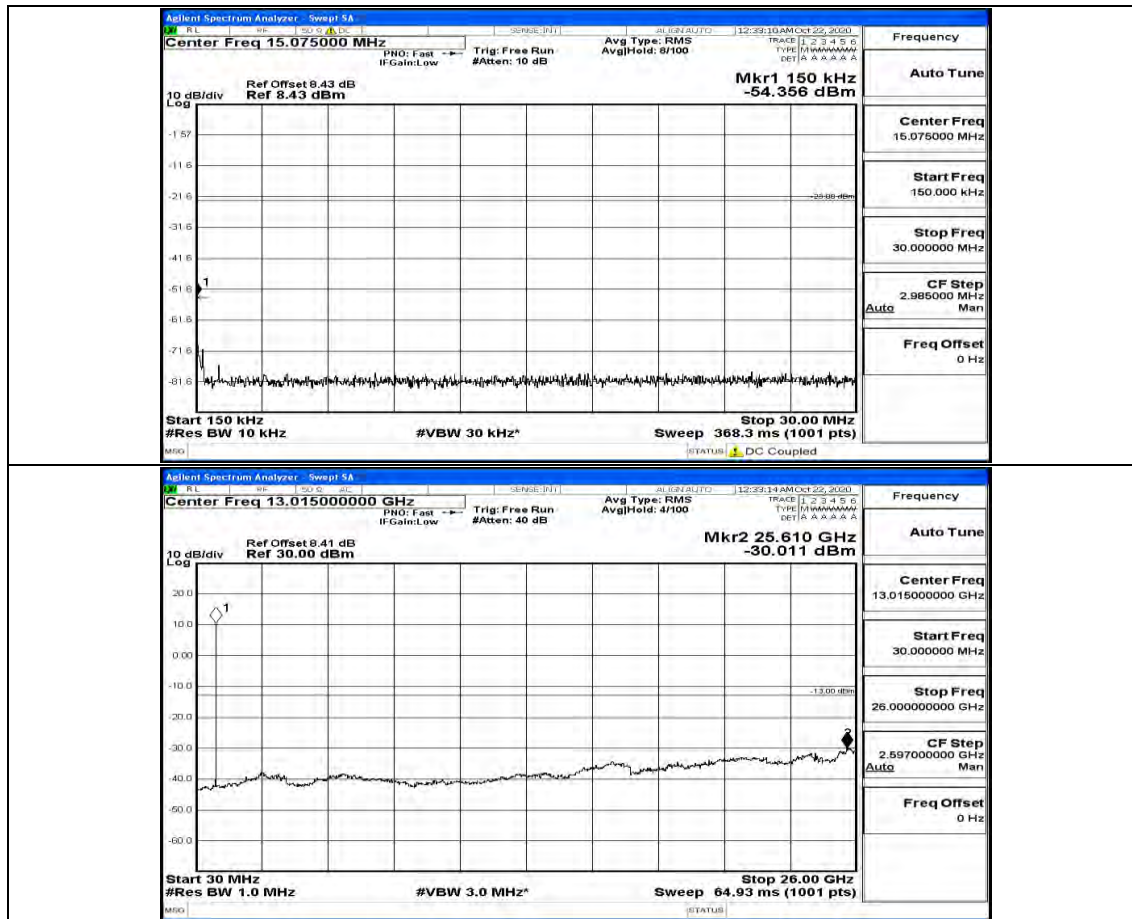
(Channel Bandwidth: 3 MHz)_MCH_QPSK_1RB#0

(Channel Bandwidth: 3 MHz)_MCH_QPSK_1RB#7

(Channel Bandwidth: 3 MHz)_MCH_QPSK_1RB#14

(Channel Bandwidth: 3 MHz)_HCH_QPSK_1RB#0

(Channel Bandwidth: 3 MHz)_HCH_QPSK_1RB#7

(Channel Bandwidth: 3 MHz)_HCH_QPSK_1RB#14