Appendix D: Test Data for E-UTRA Band 5

Product Name: Tablet

Trade Mark: LAVA & XOLO

Test Model: T81

Environmental Conditions

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

D.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	20.54	19.89	PASS
		1	3	20.66	19.88	PASS
		1	5	20.50	19.83	PASS
		3	0	20.63	19.72	PASS
		3	2	20.63	19.71	PASS
		3	3	20.60	19.69	PASS
		6	0	19.52	18.71	PASS
	MCH	1	0	21.36	20.66	PASS
		1	3	21.53	20.88	PASS
		1	5	21.43	20.73	PASS
		3	0	21.46	20.59	PASS
		3	2	21.55	20.69	PASS
		3	3	21.51	20.63	PASS
		6	0	20.44	19.48	PASS
	HCH	1	0	21.42	20.75	PASS
		1	3	21.45	20.94	PASS
		1	5	21.35	20.66	PASS
		3	0	21.54	20.72	PASS
		3	2	21.53	20.68	PASS
		3	3	21.50	20.66	PASS
		6	0	20.42	19.49	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	20.57	19.91	PASS
		1	7	20.84	20.11	PASS
		1	14	20.59	19.91	PASS
		8	0	19.52	18.66	PASS
		8	4	19.55	18.71	PASS
		8	7	19.52	18.61	PASS
		15	0	19.51	18.53	PASS
	MCH	1	0	21.28	20.70	PASS
		1	7	21.66	21.11	PASS
		1	14	21.50	20.94	PASS
		8	0	20.33	19.41	PASS
		8	4	20.44	19.51	PASS
		8	7	20.43	19.51	PASS
		15	0	20.36	19.41	PASS
	HCH	1	0	21.62	20.97	PASS
		1	7	21.86	21.08	PASS
		1	14	21.38	20.69	PASS
		8	0	20.54	19.67	PASS
		8	4	20.51	19.69	PASS
		8	7	20.41	19.57	PASS
		15	0	20.48	19.57	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	20.53	19.84	PASS
		1	12	20.87	20.27	PASS
		1	24	20.64	19.93	PASS
		12	0	19.53	18.64	PASS
		12	6	19.58	18.69	PASS
		12	13	19.54	18.69	PASS
		25	0	19.54	18.63	PASS
	MCH	1	0	21.12	20.47	PASS
		1	12	21.70	20.83	PASS
		1	24	21.48	20.86	PASS
		12	0	20.27	19.46	PASS
		12	6	20.44	19.58	PASS
		12	13	20.43	19.64	PASS
		25	0	20.41	19.47	PASS
	HCH	1	0	21.76	21.05	PASS
		1	12	21.96	21.22	PASS
		1	24	21.37	20.68	PASS
		12	0	20.74	19.81	PASS
		12	6	20.66	19.79	PASS
		12	13	20.46	19.62	PASS
		25	0	20.61	19.72	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	20.54	19.88	PASS
		1	24	20.87	20.20	PASS
		1	49	21.15	20.51	PASS
		25	0	19.71	18.79	PASS
		25	12	19.72	18.82	PASS
		25	25	20.01	19.10	PASS
		50	0	19.78	18.85	PASS
	MCH	1	0	20.93	20.41	PASS
		1	24	21.56	21.02	PASS
		1	49	21.78	21.21	PASS
		25	0	20.23	19.32	PASS
		25	12	20.41	19.51	PASS
		25	25	20.60	19.72	PASS
		50	0	20.34	19.47	PASS
	HCH	1	0	21.77	21.15	PASS
		1	24	21.93	21.28	PASS
		1	49	21.42	20.81	PASS
		25	0	21.01	20.12	PASS
		25	12	20.85	19.93	PASS
		25	25	20.63	19.77	PASS
		50	0	20.81	19.85	PASS

D.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	5.73	<13	PASS
	MCH	5.65	<13	PASS
	HCH	6.03	<13	PASS
16QAM	LCH	6.61	<13	PASS
	MCH	6.6	<13	PASS
	HCH	7.06	<13	PASS

Peak-to Average Ratio Test Result (Channel Bandwidth: 3 MHz)				
Modulation	Channel	Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
QPSK	LCH	5.79	<13	PASS
	MCH	5.8	<13	PASS
	HCH	5.95	<13	PASS
16QAM	LCH	6.69	<13	PASS
	MCH	6.51	<13	PASS
	HCH	6.92	<13	PASS

Peak-to Average Ratio Test Result (Channel Bandwidth: 5 MHz)				
Modulation	Channel	Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
QPSK	LCH	5.89	<13	PASS
	MCH	5.76	<13	PASS
	HCH	6.02	<13	PASS
16QAM	LCH	6.55	<13	PASS
	MCH	6.51	<13	PASS
	HCH	6.68	<13	PASS

Peak-to Average Ratio Test Result (Channel Bandwidth: 10 MHz)				
Modulation	Channel	Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
QPSK	LCH	5.91	<13	PASS
	MCH	5.77	<13	PASS
	HCH	5.81	<13	PASS
16QAM	LCH	6.6	<13	PASS
	MCH	6.48	<13	PASS
	HCH	6.6	<13	PASS

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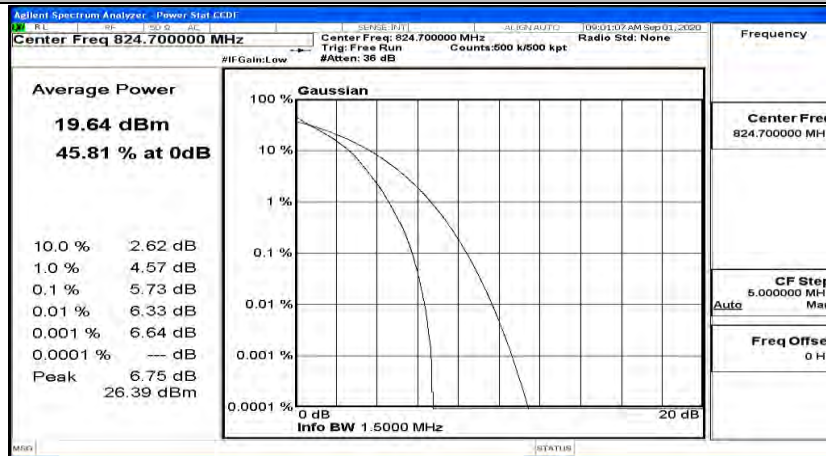
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 1.4 MHz)_MCH_QPSK
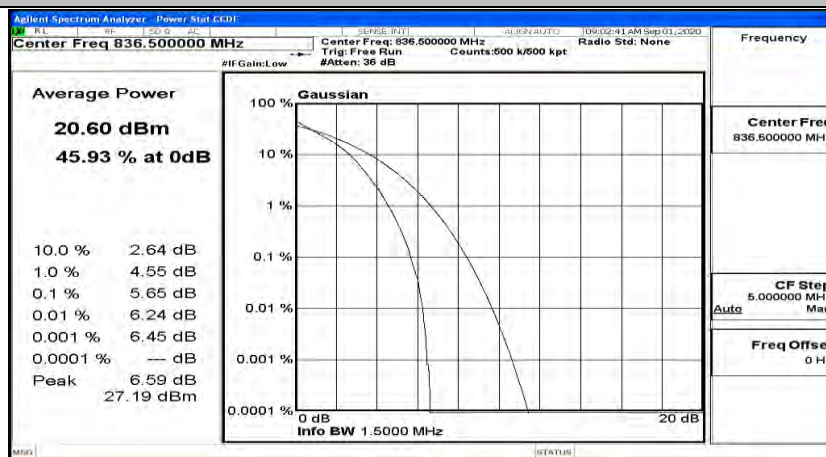
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 1.4 MHz)_HCH_QPSK
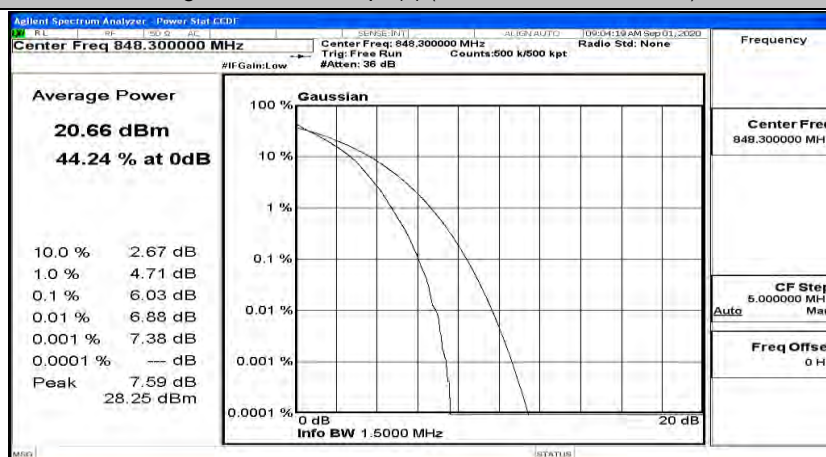
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 1.4 MHz)_LCH_16QAM
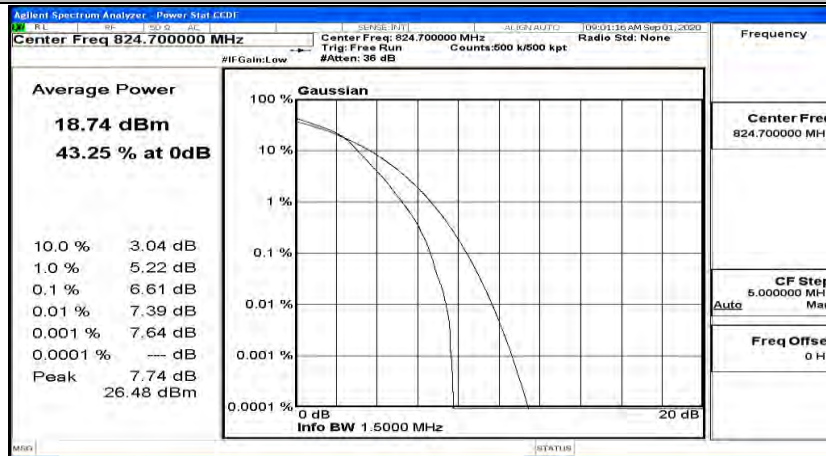
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 1.4 MHz)_MCH_16QAM
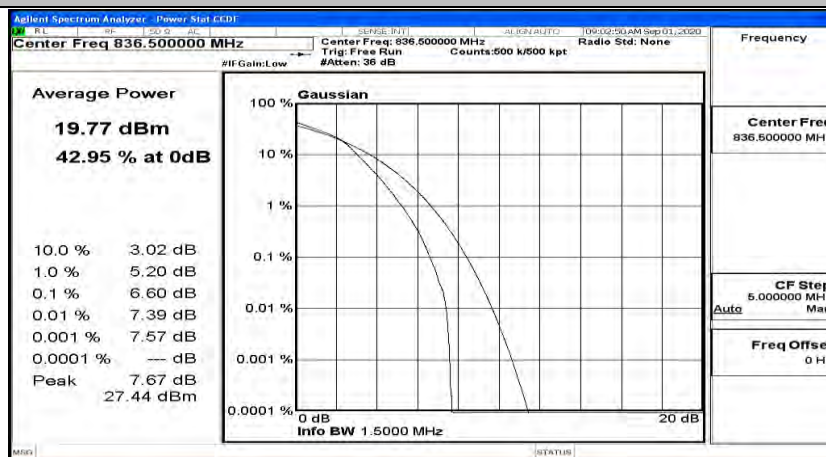
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 1.4 MHz)_HCH_16QAM
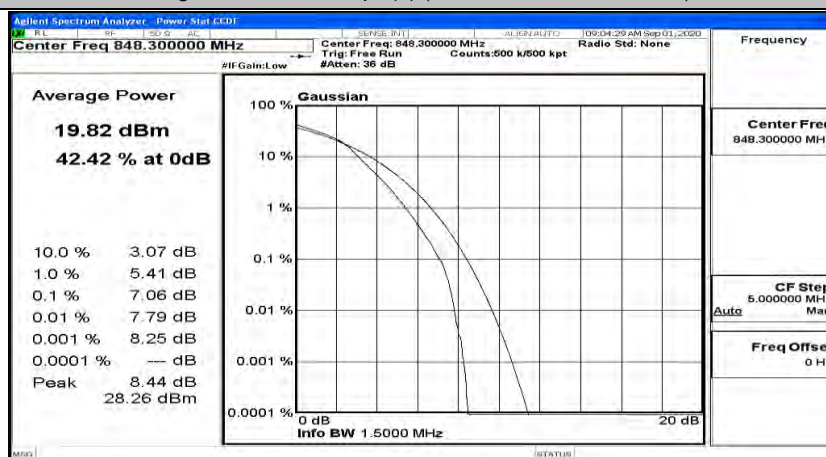
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 3 MHz)_LCH_QPSK
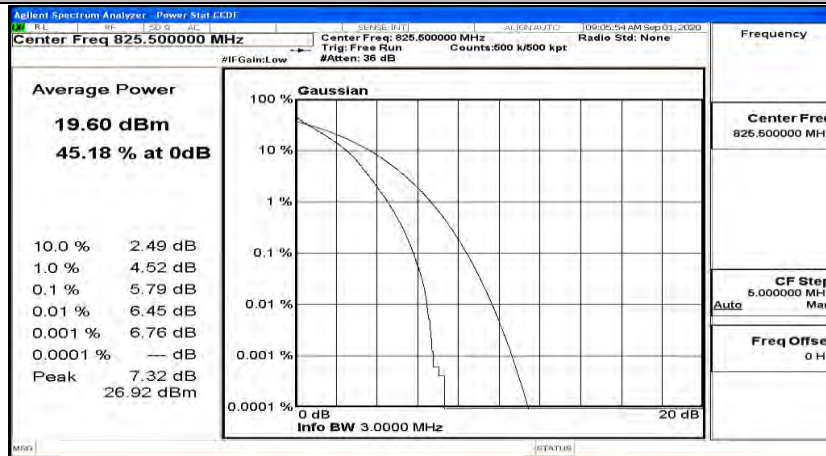
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 3 MHz)_MCH_QPSK
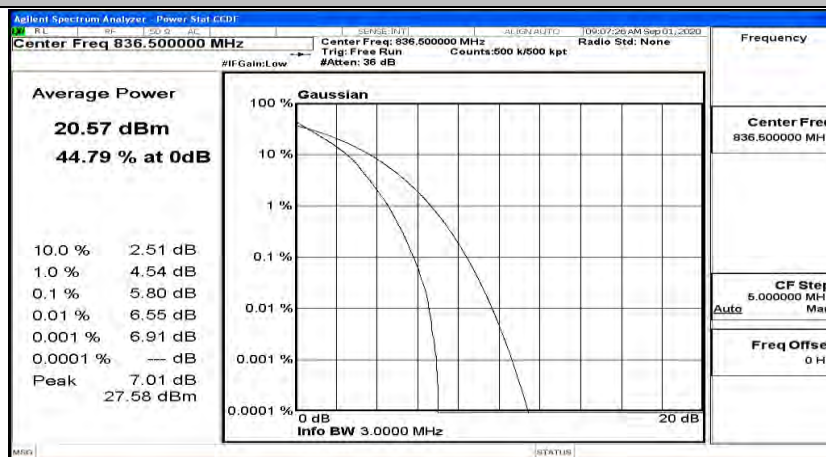
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 3 MHz)_HCH_QPSK
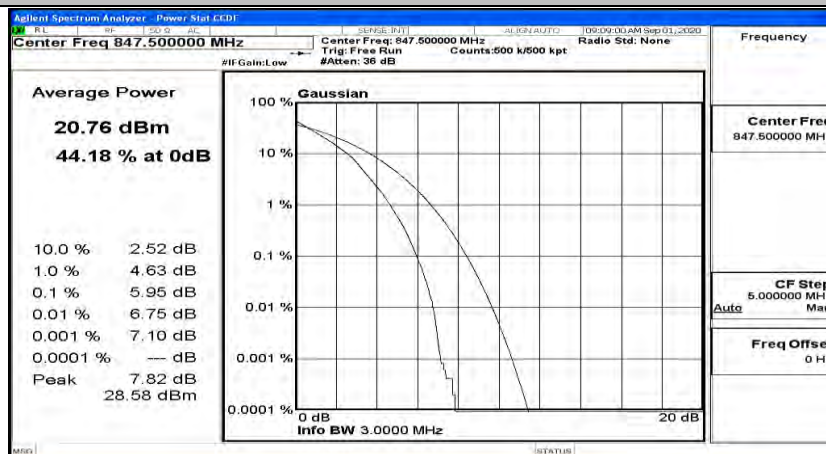
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 3 MHz)_LCH_16QAM
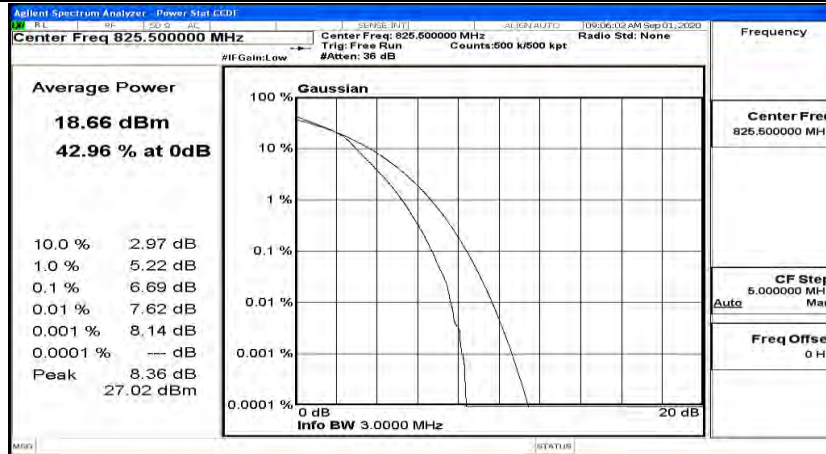
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 3 MHz)_MCH_16QAM
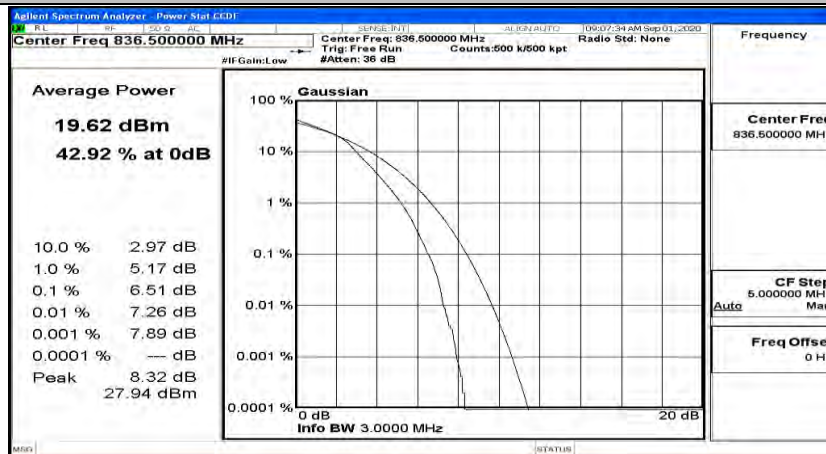
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 3 MHz)_HCH_16QAM
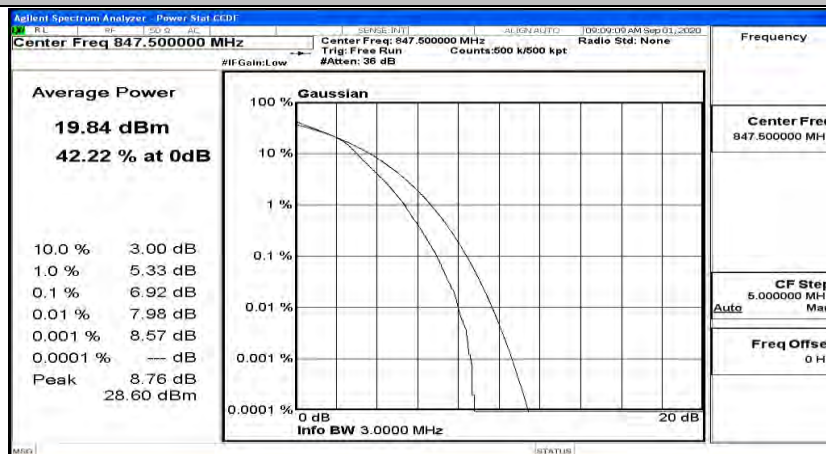
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_QPSK
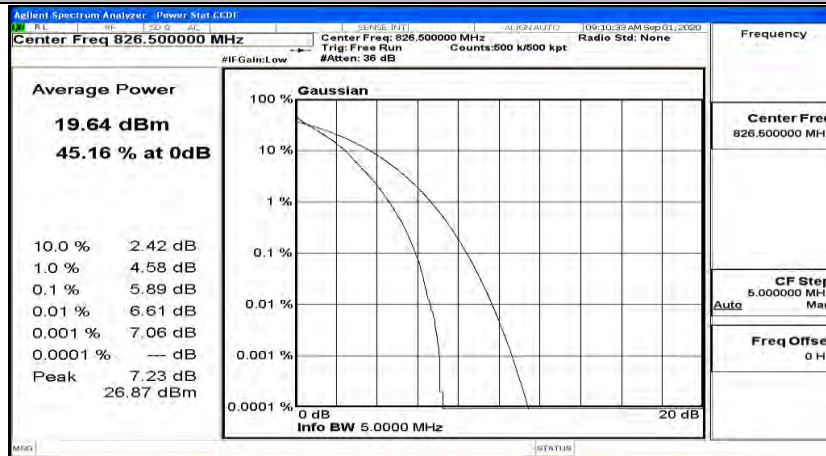
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)_MCH_QPSK
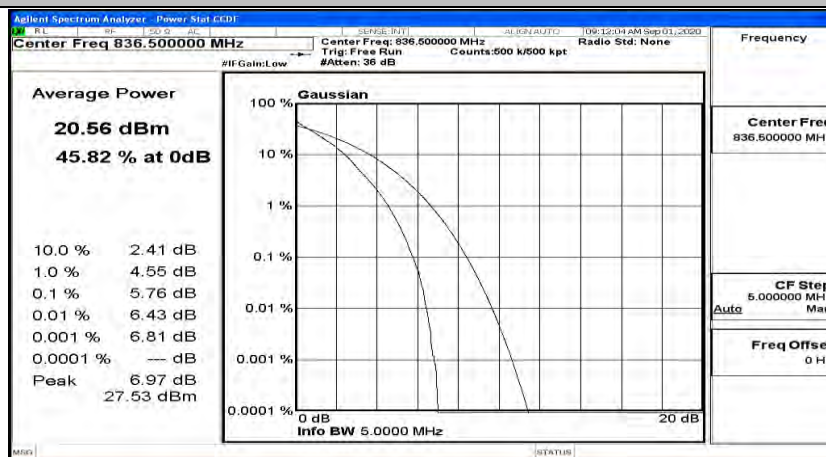
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_QPSK

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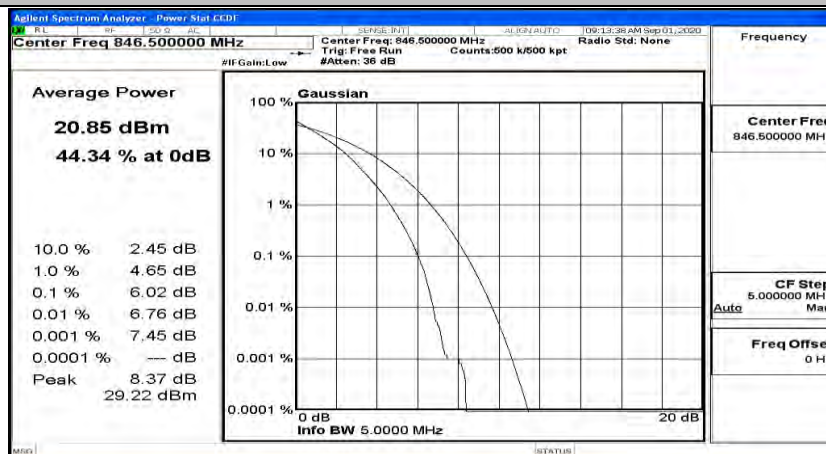
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_16QAM

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

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Page 11 of 88
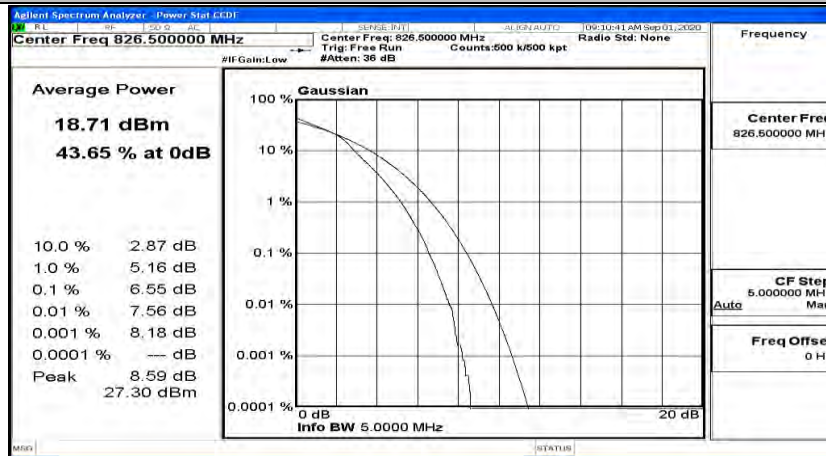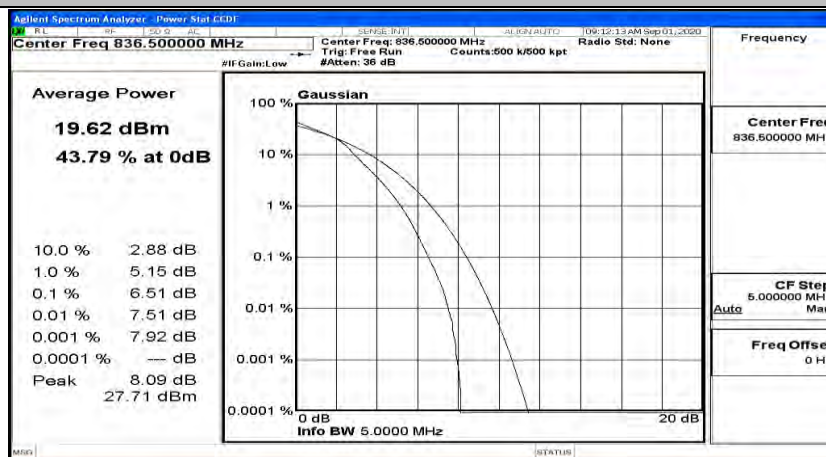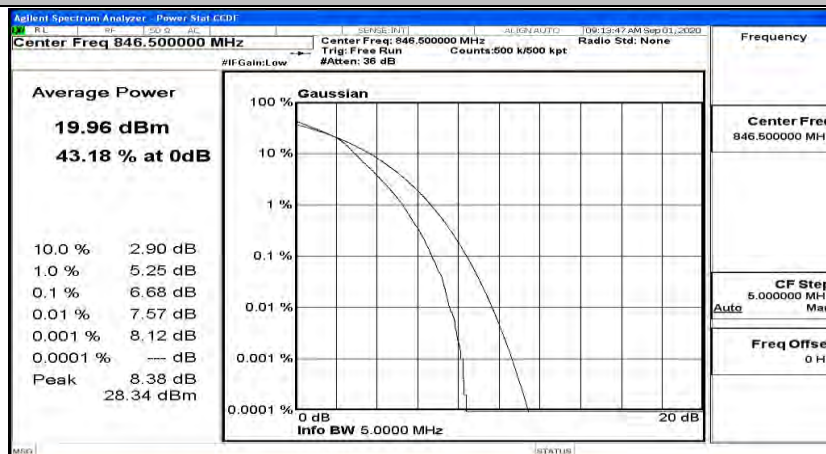
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)_LCH_QPSK
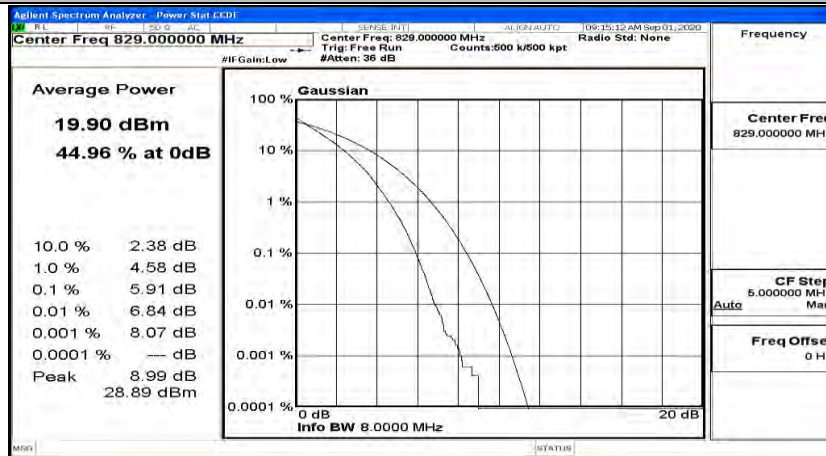
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)_MCH_QPSK
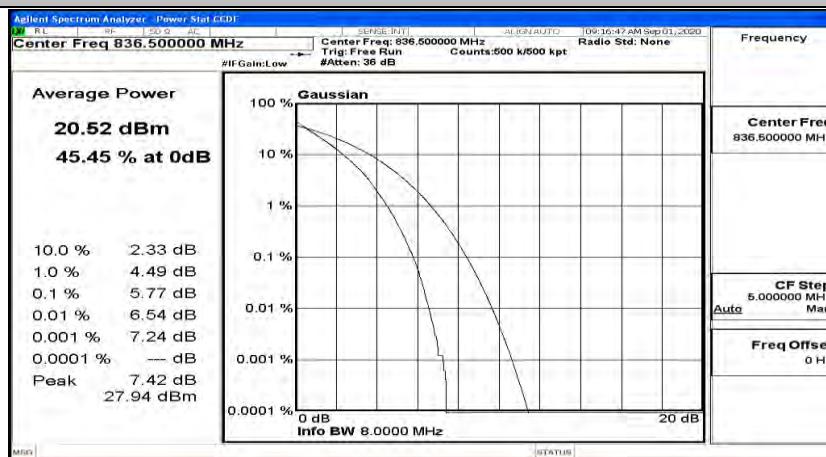
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)_HCH_QPSK
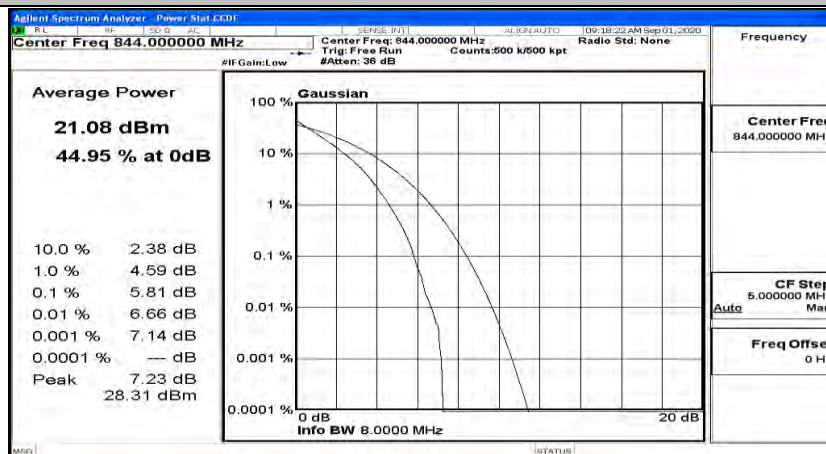
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)_LCH_16QAM
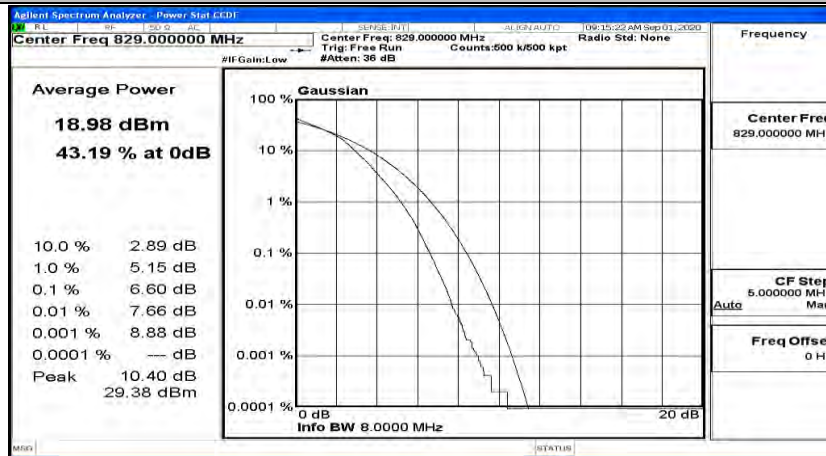
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)_MCH_16QAM
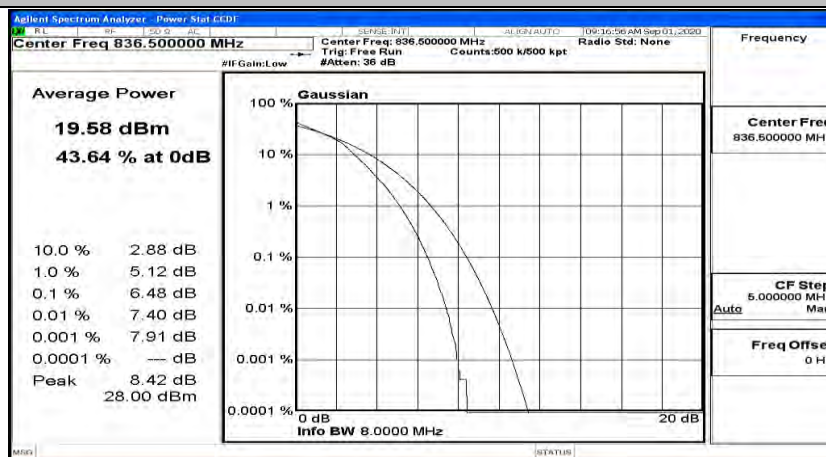
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)_HCH_16QAM
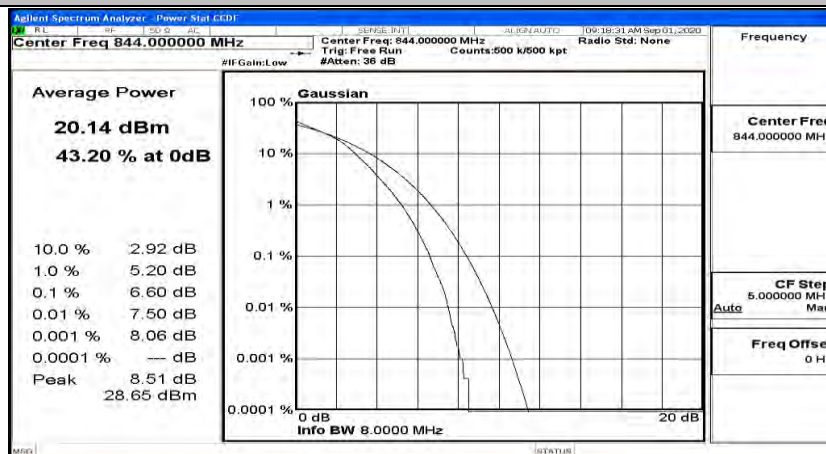
D.3 26dB Bandwidth and Occupied Bandwidth

EBW & OBW Test Result (Channel Bandwidth: 1.4 MHz)				
Modulation	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
QPSK	LCH	1.0773	1.231	PASS
	MCH	1.0742	1.227	PASS
	HCH	1.0730	1.219	PASS
16QAM	LCH	1.0769	1.229	PASS
	MCH	1.0782	1.237	PASS
	HCH	1.0788	1.231	PASS

EBW & OBW Test Result (Channel Bandwidth: 3 MHz)				
Modulation	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
QPSK	LCH	2.6783	2.835	PASS
	MCH	2.6777	2.826	PASS
	HCH	2.6790	2.820	PASS
16QAM	LCH	2.6796	2.825	PASS
	MCH	2.6815	2.833	PASS
	HCH	2.6761	2.831	PASS

EBW & OBW Test Result (Channel Bandwidth: 5 MHz)				
Modulation	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
QPSK	LCH	4.4730	4.750	PASS
	MCH	4.4716	4.769	PASS
	HCH	4.4732	4.766	PASS
16QAM	LCH	4.4798	4.729	PASS
	MCH	4.4697	4.721	PASS
	HCH	4.4717	4.750	PASS

EBW & OBW Test Result (Channel Bandwidth: 10 MHz)				
Modulation	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
QPSK	LCH	8.9641	9.415	PASS
	MCH	8.9287	9.436	PASS
	HCH	8.9375	9.374	PASS
16QAM	LCH	8.9429	9.391	PASS
	MCH	8.9441	9.312	PASS
	HCH	8.9273	9.343	PASS

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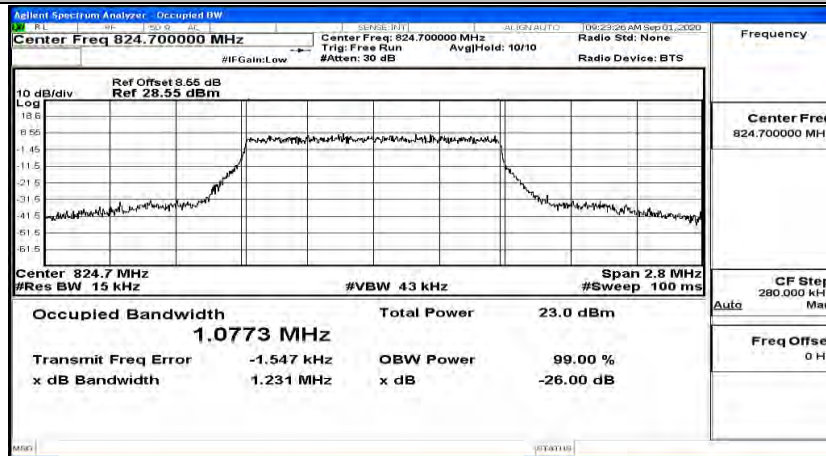
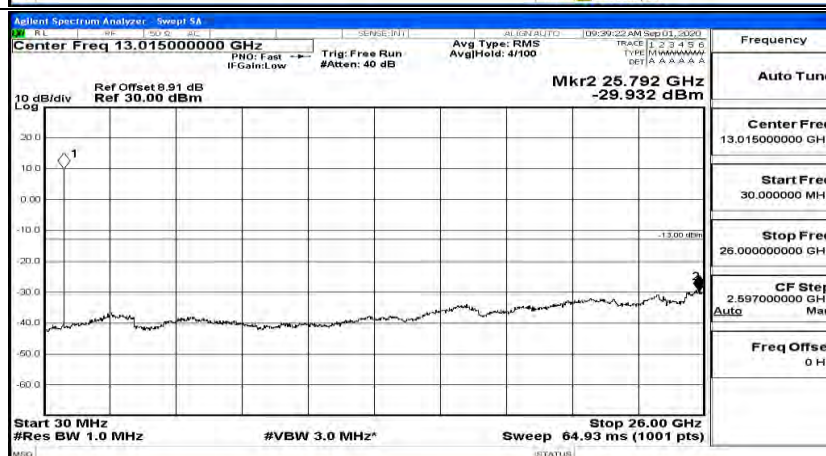| EBW & OBW Test Graph(s) (Channel Bandwidth: 1.4 MHz)_MCH_QPSK |
|---|
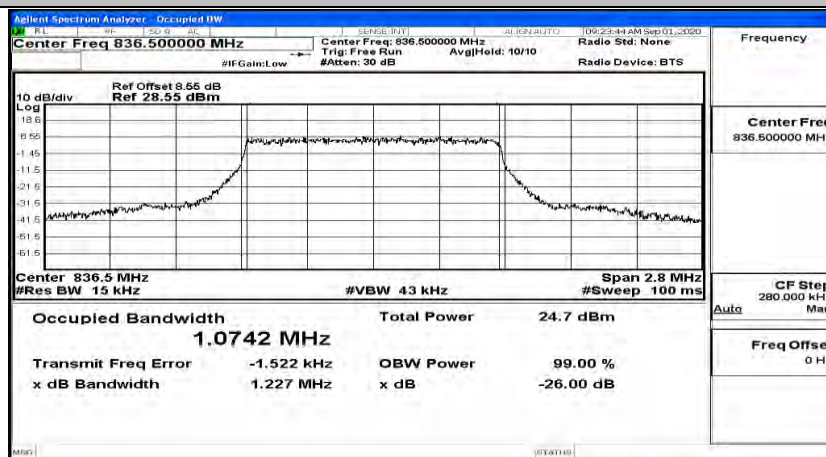
EBW & OBW Test Graph(s) (Channel Bandwidth: 1.4 MHz)_HCH_QPSK
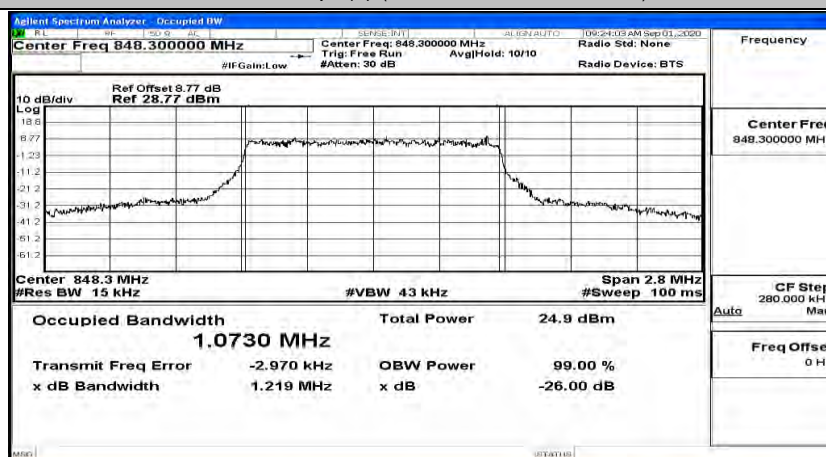
EBW & OBW Test Graph(s) (Channel Bandwidth: 1.4 MHz)_LCH_16QAM
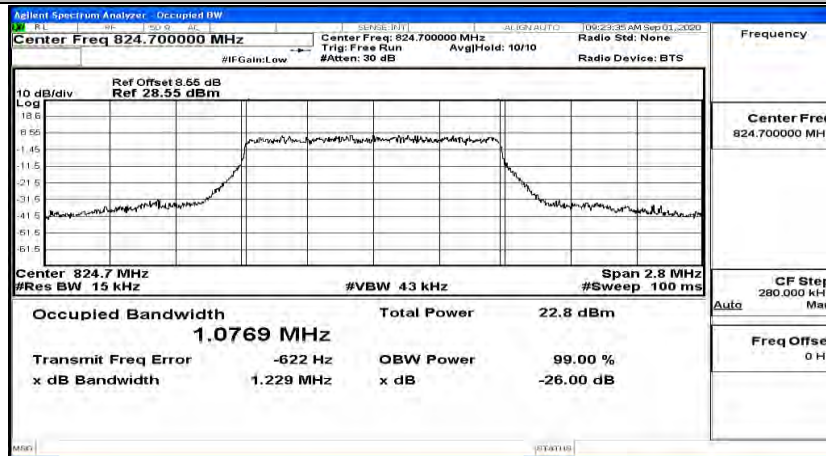
EBW & OBW Test Graph(s) (Channel Bandwidth: 1.4 MHz)_MCH_16QAM
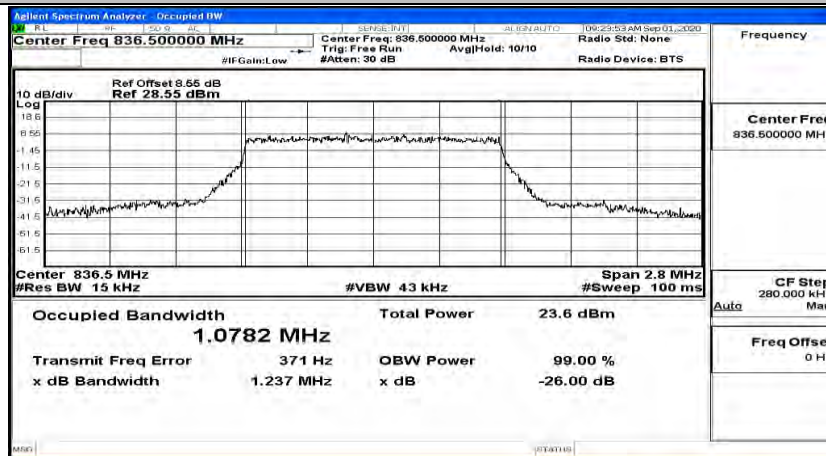
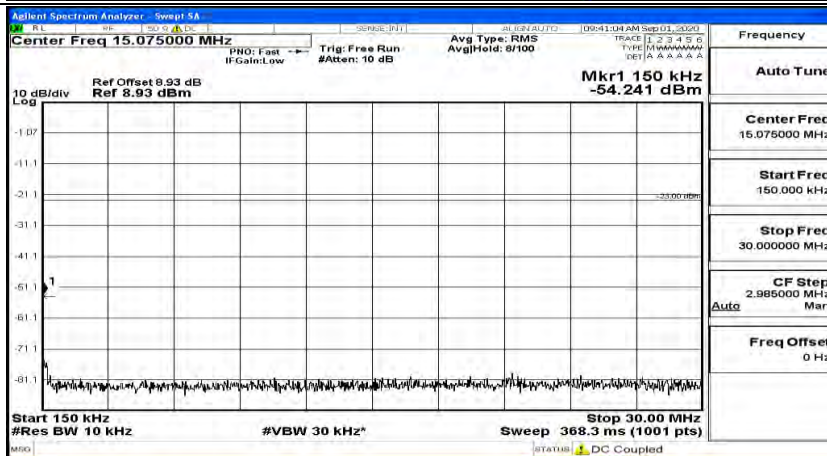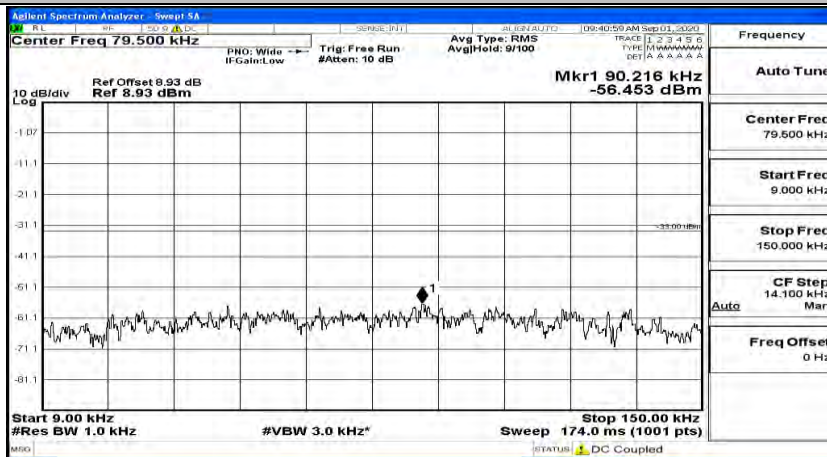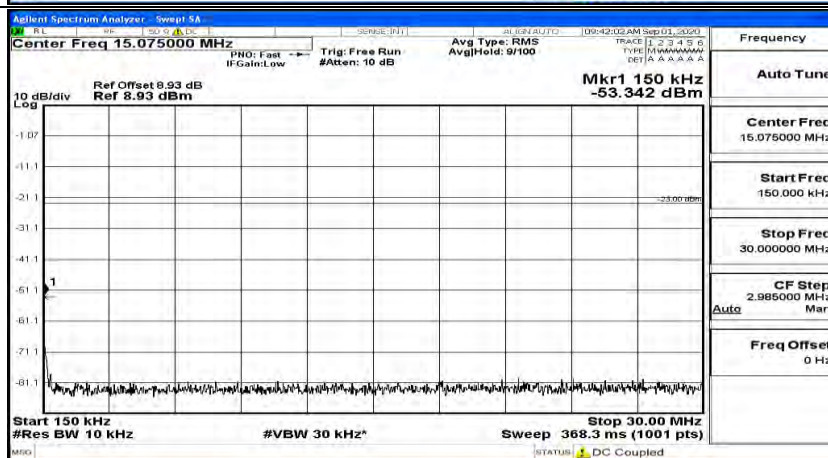| EBW & OBW Test Graph(s) (Channel Bandwidth: 1.4 MHz)_HCH_16QAM |
|---|
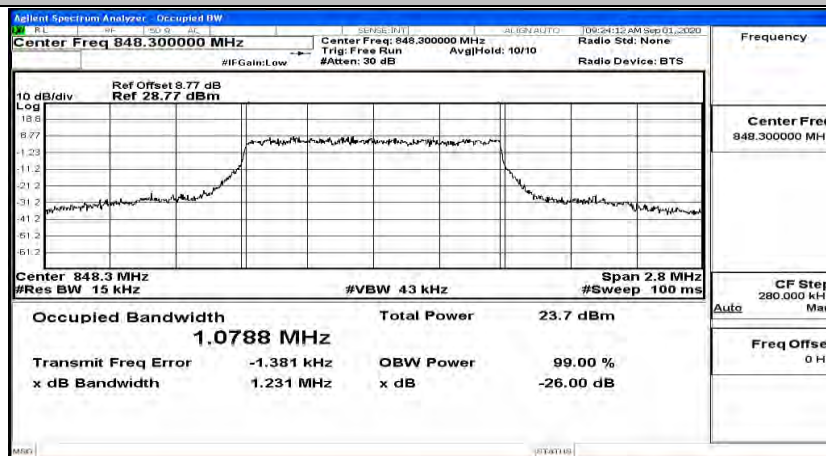
EBW & OBW Test Graph(s) (Channel Bandwidth: 3 MHz)_LCH_QPSK
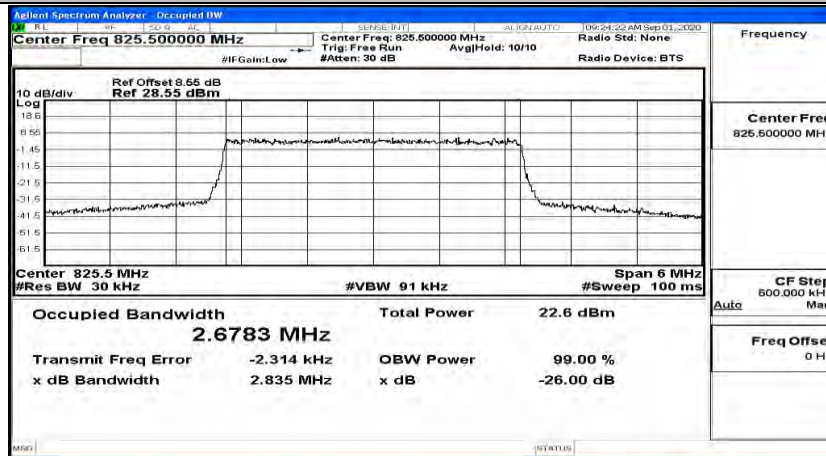
EBW & OBW Test Graph(s) (Channel Bandwidth: 3 MHz)_MCH_QPSK
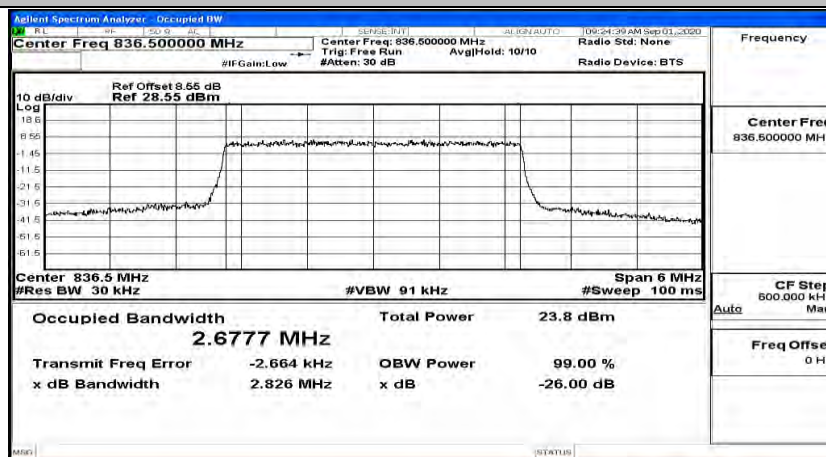
| EBW & OBW Test Graph(s) (Channel Bandwidth: 3 MHz)_HCH_QPSK |
|---|
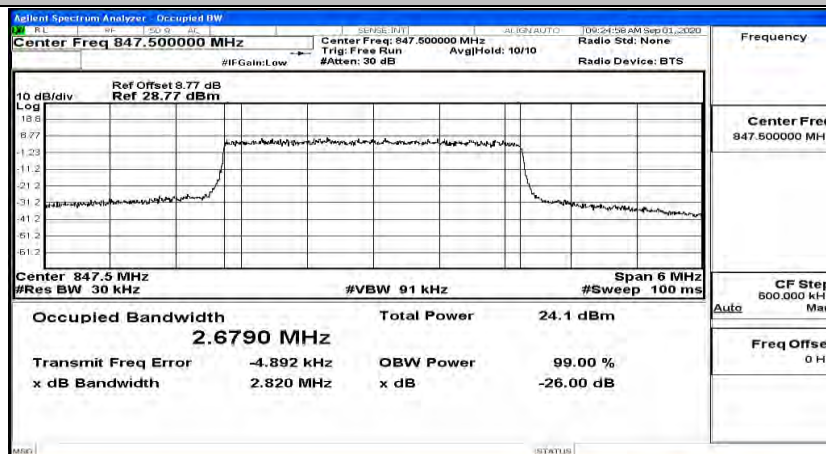
EBW & OBW Test Graph(s) (Channel Bandwidth: 3 MHz)_LCH_16QAM
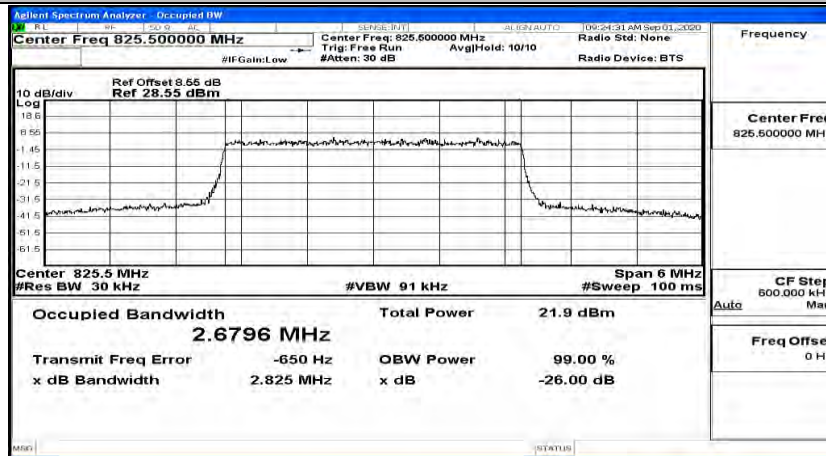
EBW & OBW Test Graph(s) (Channel Bandwidth: 3 MHz)_MCH_16QAM
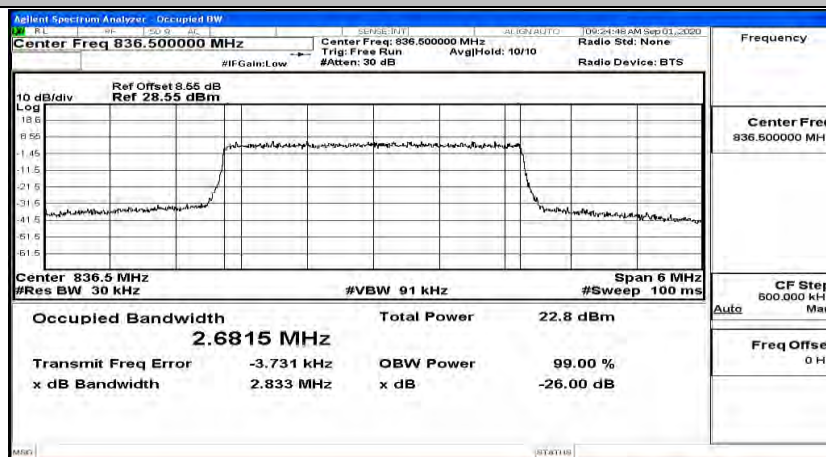
EBW & OBW Test Graph(s) (Channel Bandwidth: 3 MHz)_HCH_16QAM
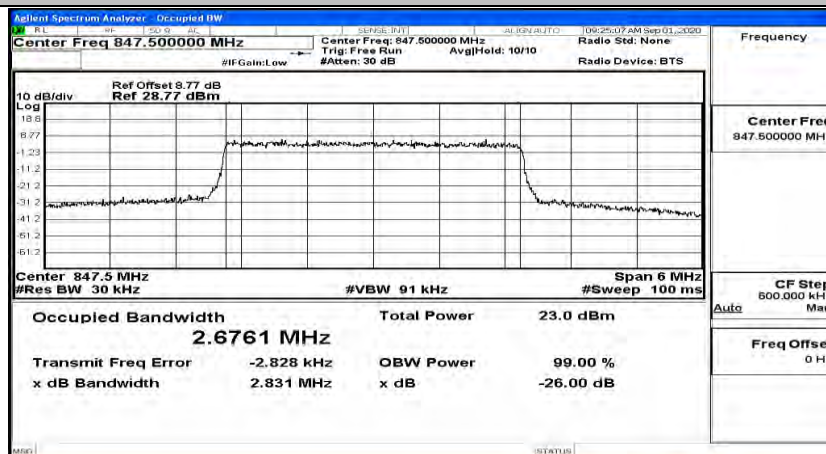
EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_QPSK
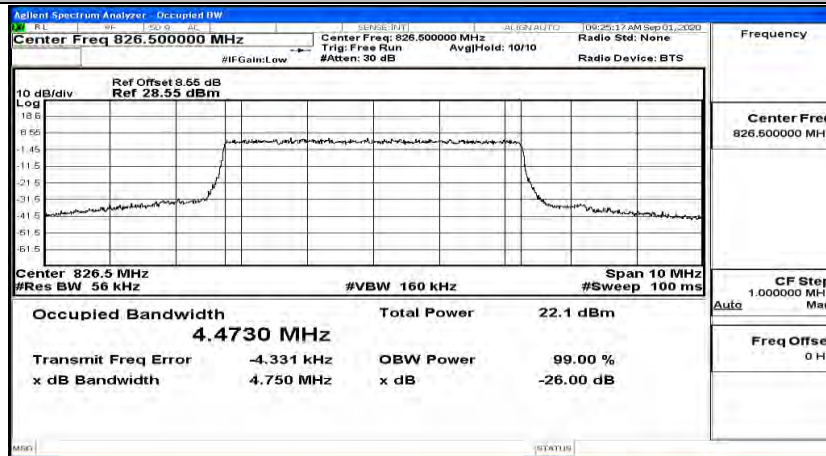
| EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz)_MCH_QPSK |
|---|
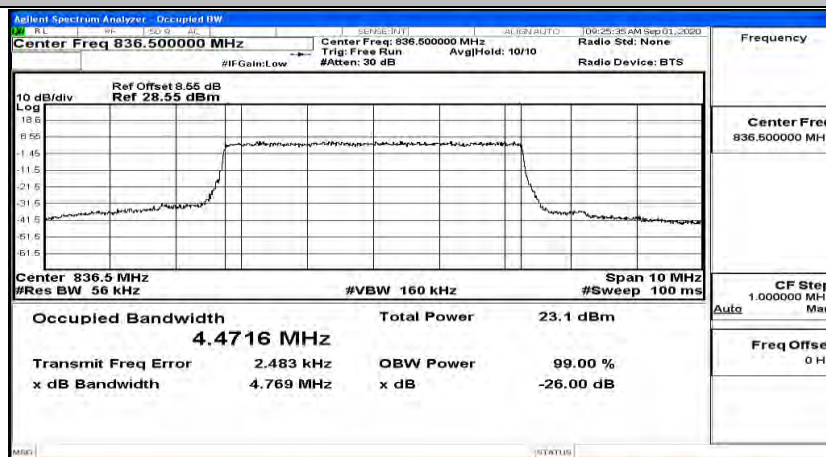
EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_QPSK
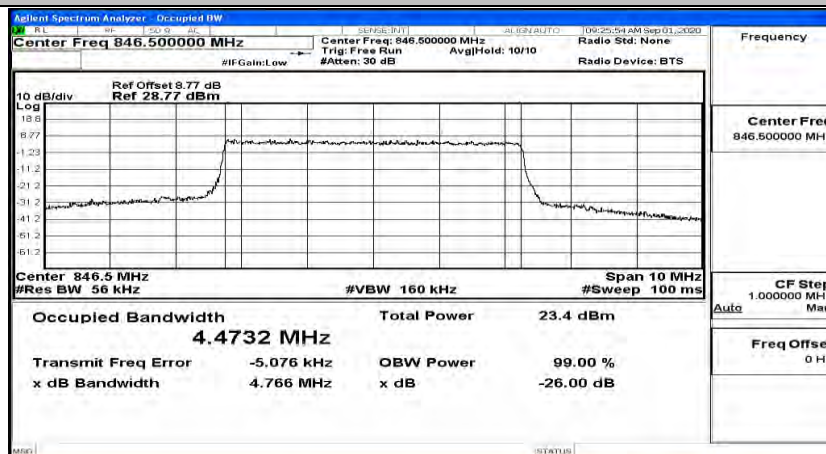
EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_16QAM
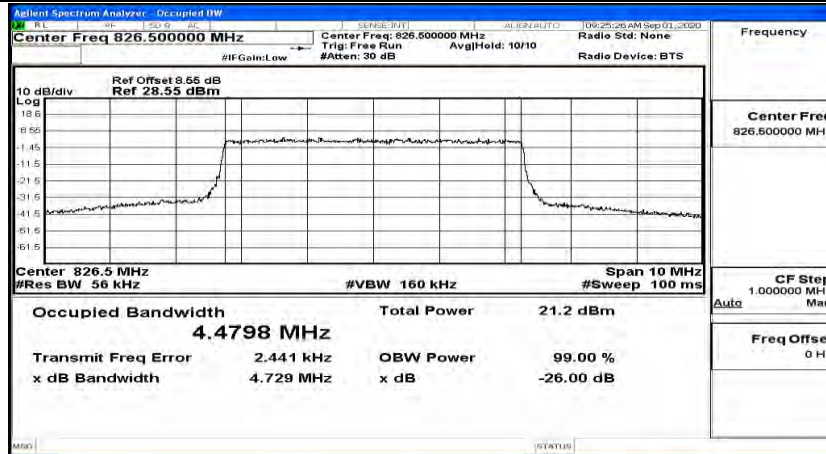
EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz)_MCH_16QAM
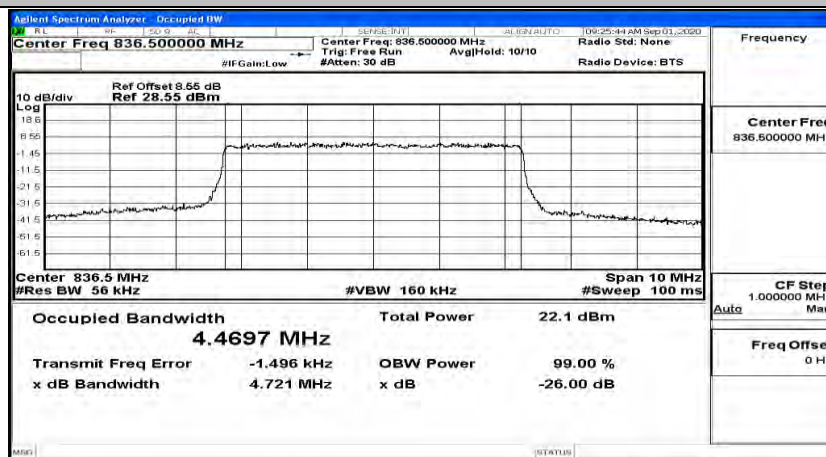
EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_16QAM
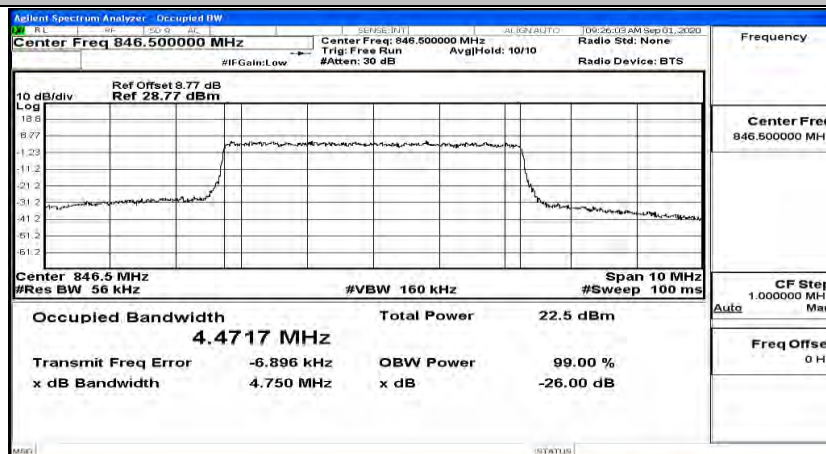
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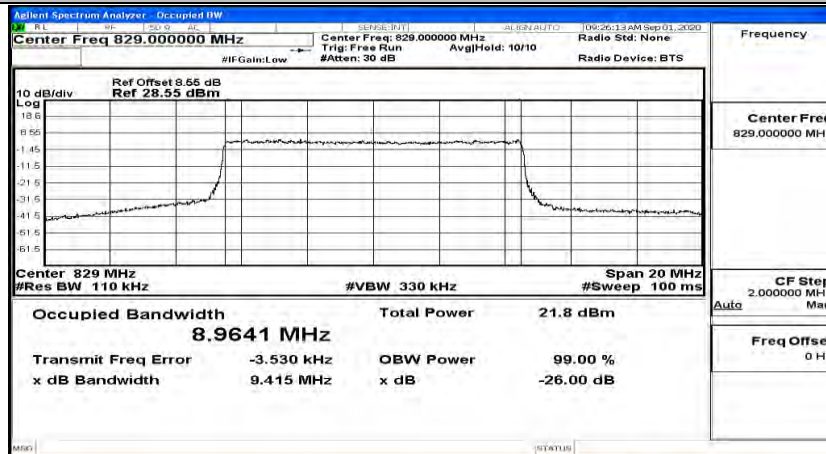
EBW & OBW Test Graph(s) (Channel Bandwidth: 10 MHz)_MCH_QPSK
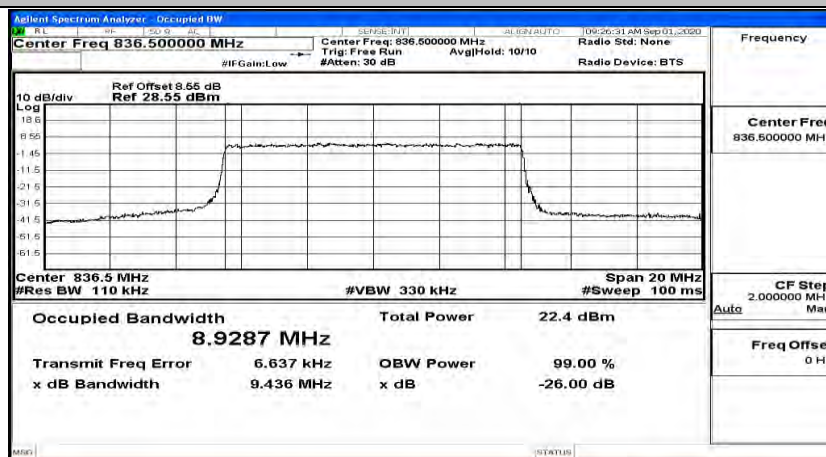
EBW & OBW Test Graph(s) (Channel Bandwidth: 10 MHz)_HCH_QPSK
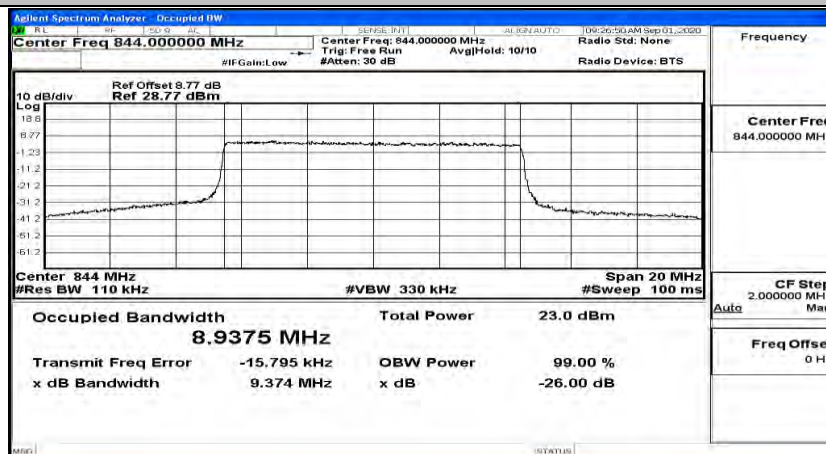
EBW & OBW Test Graph(s) (Channel Bandwidth: 10 MHz)_LCH_16QAM
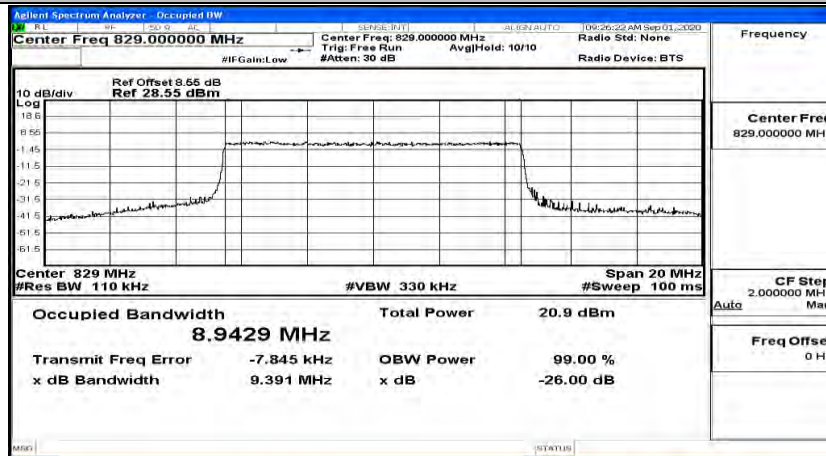
EBW & OBW Test Graph(s) (Channel Bandwidth: 10 MHz)_MCH_16QAM
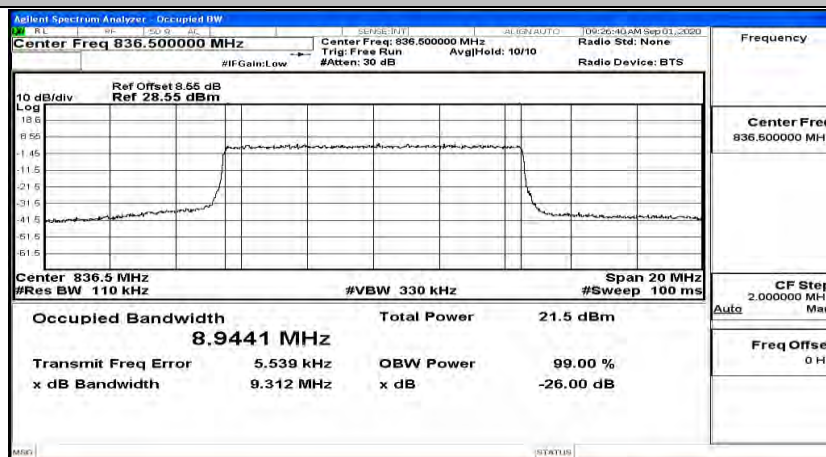
EBW & OBW Test Graph(s) (Channel Bandwidth: 10 MHz)_HCH_16QAM
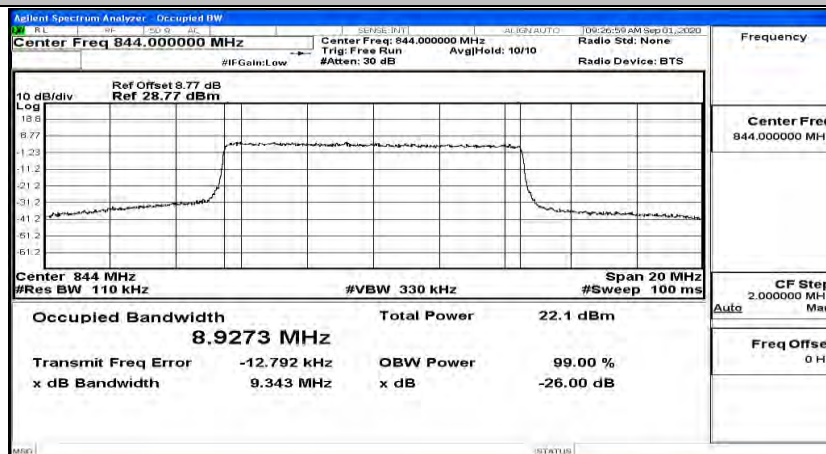
A.4 Band Edge

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

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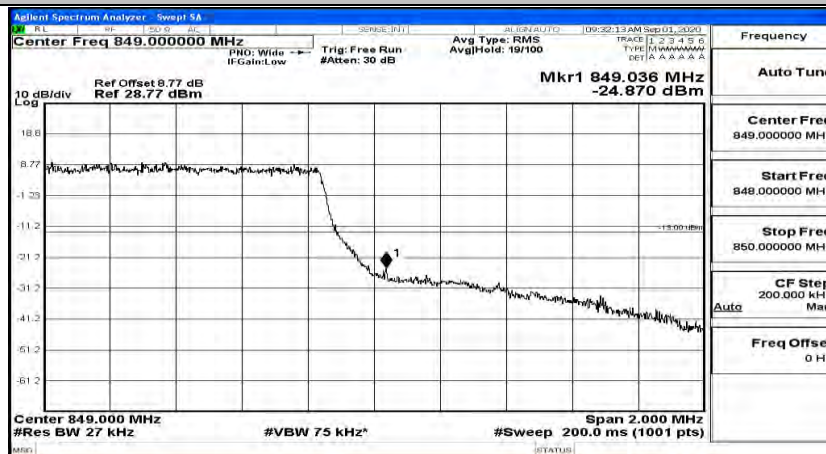
Band Edge Test Graph(s) (Channel Bandwidth: 1.4 MHz)_LCH_16QAM
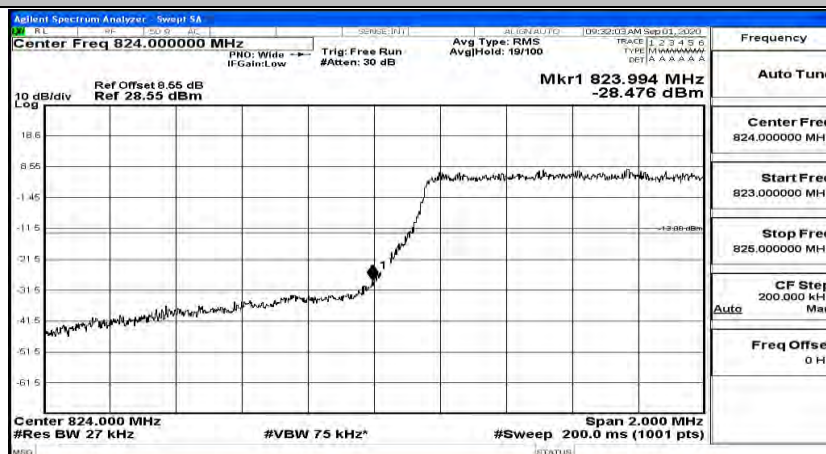
Band Edge Test Graph(s) (Channel Bandwidth: 1.4 MHz)_HCH_16QAM
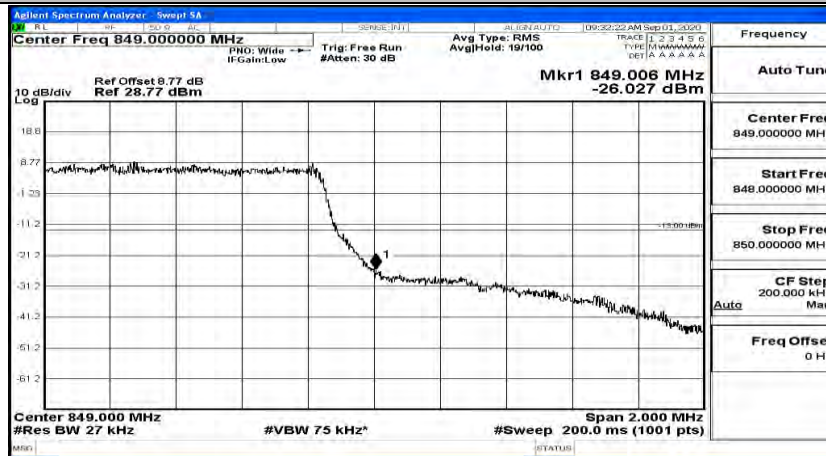
Band Edge Test Graph(s) (Channel Bandwidth: 3 MHz)_LCH_QPSK
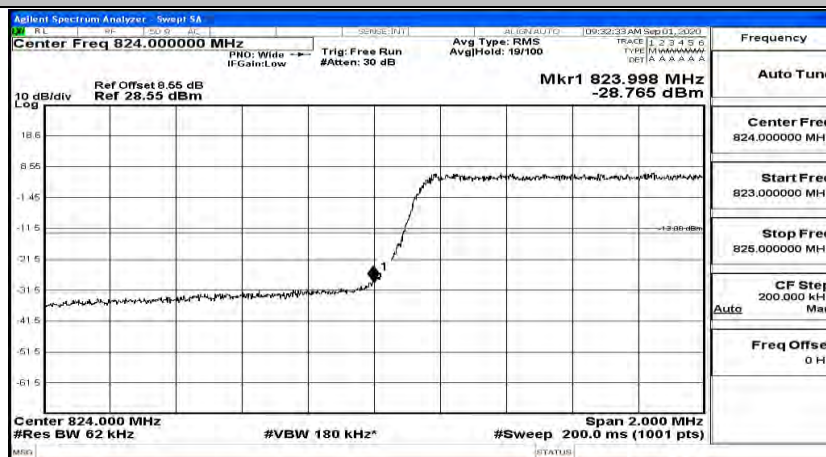
Band Edge Test Graph(s) (Channel Bandwidth: 3 MHz)_HCH_QPSK
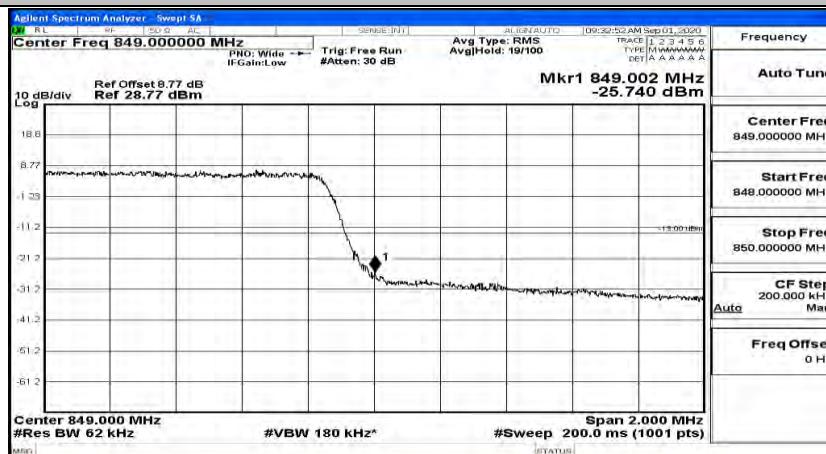
Band Edge Test Graph(s) (Channel Bandwidth: 3 MHz)_LCH_16QAM
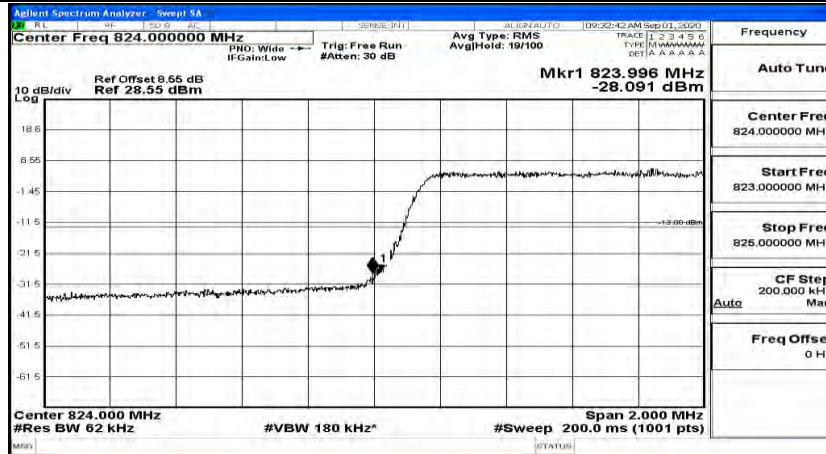
Band Edge Test Graph(s) (Channel Bandwidth: 3 MHz)_HCH_16QAM
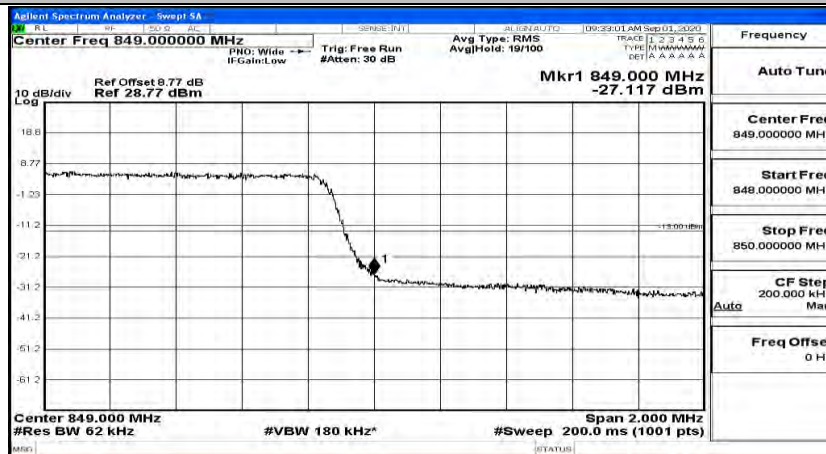
Band Edge Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_QPSK
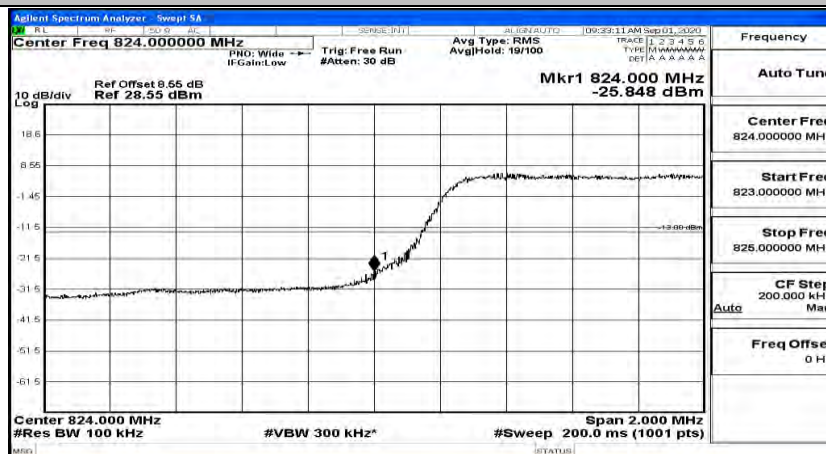
Band Edge Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_QPSK
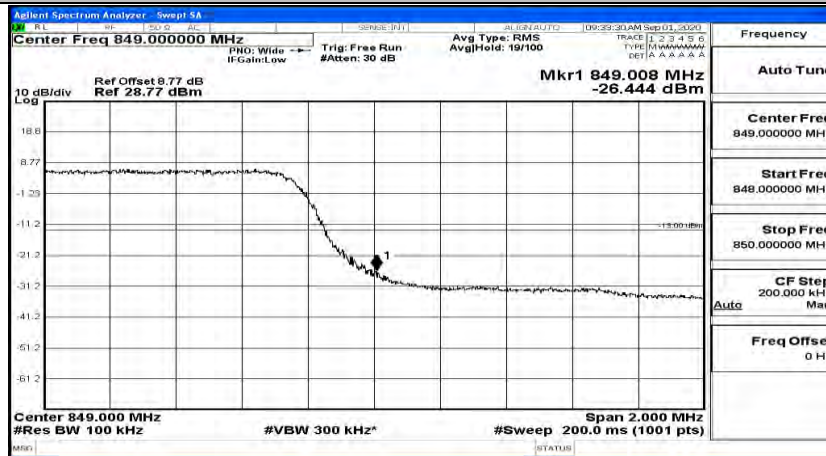
Band Edge Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_16QAM
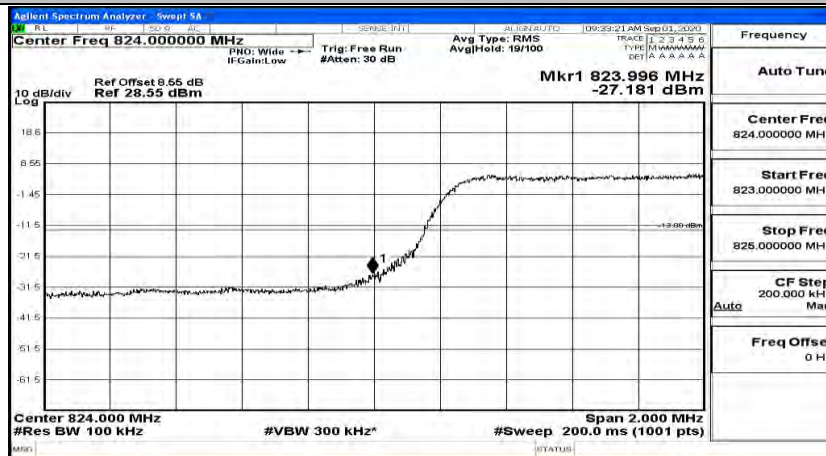
Band Edge Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_16QAM
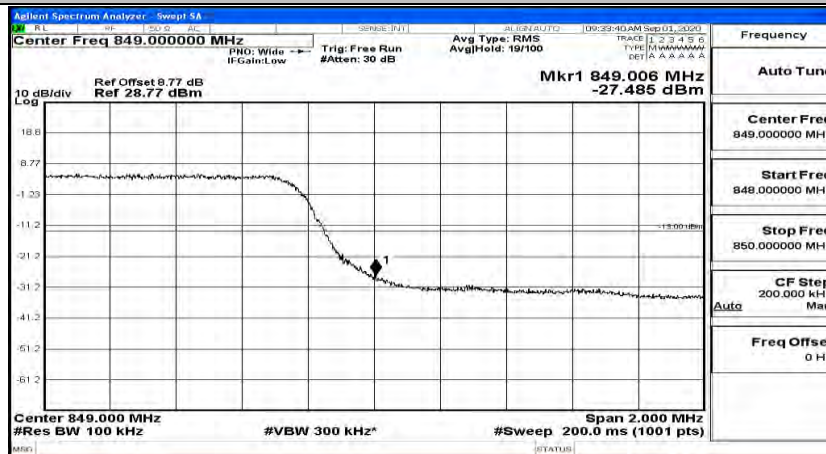
Band Edge Test Graph(s) (Channel Bandwidth: 10 MHz)_LCH_QPSK
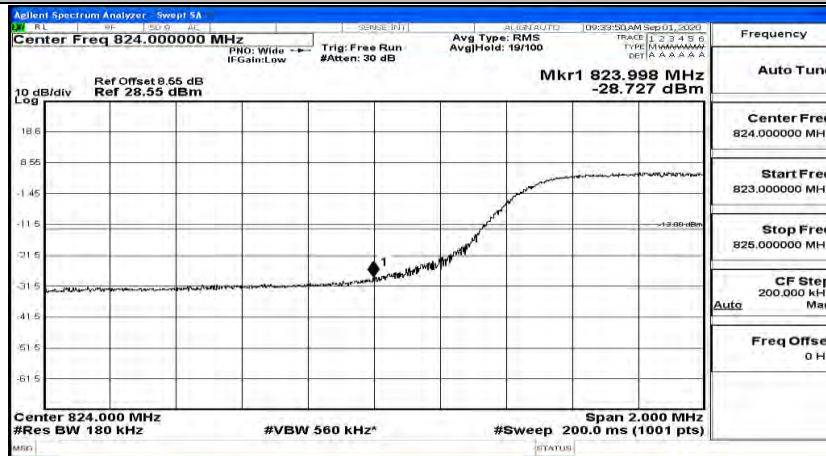
Band Edge Test Graph(s) (Channel Bandwidth: 10 MHz)_HCH_QPSK
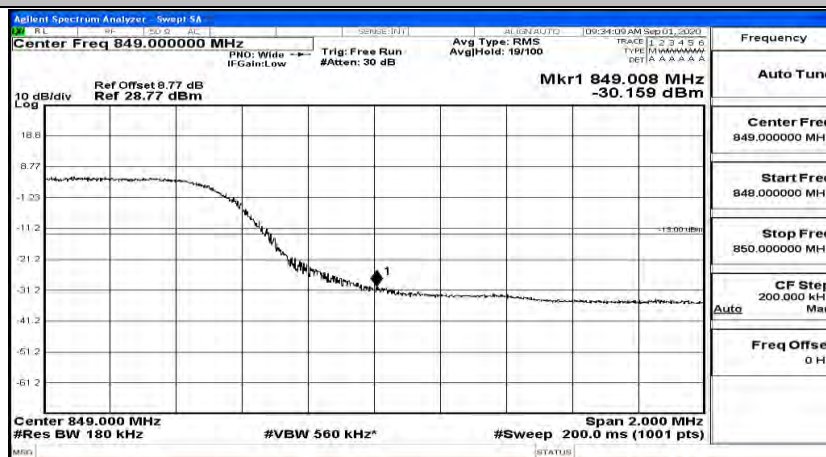
Band Edge Test Graph(s) (Channel Bandwidth: 10 MHz)_LCH_16QAM
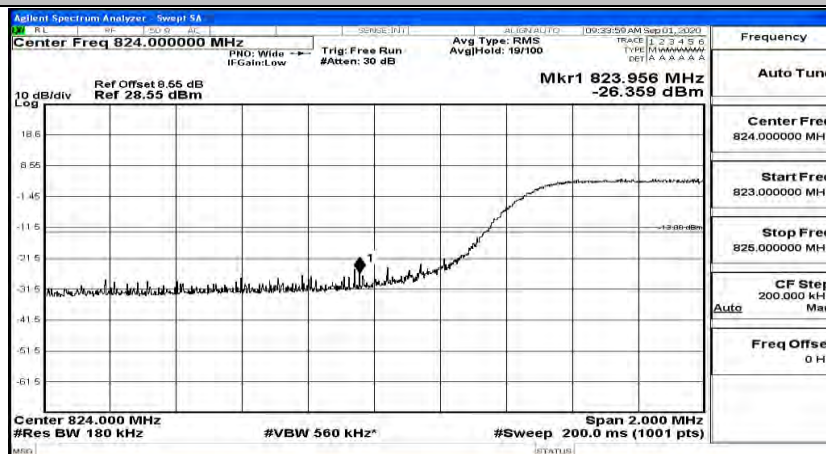
Band Edge Test Graph(s) (Channel Bandwidth: 10 MHz)_HCH_16QAM
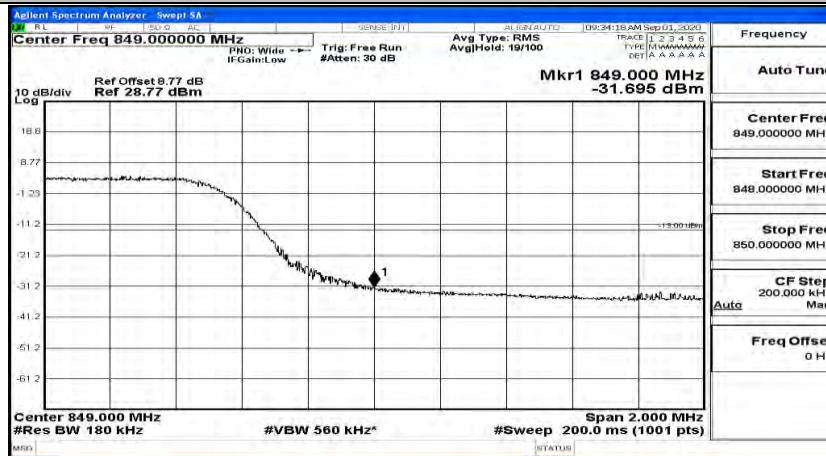
A.5 Conducted Spurious Emission

(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_1RB#0
(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_1RB#3

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(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_1RB#5

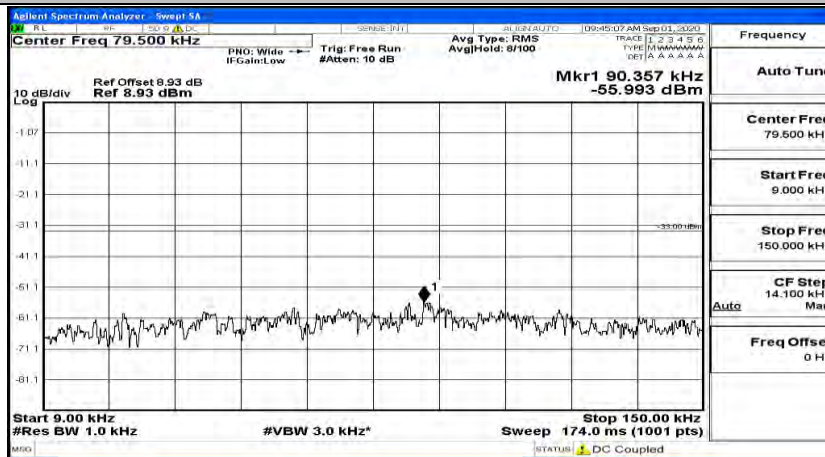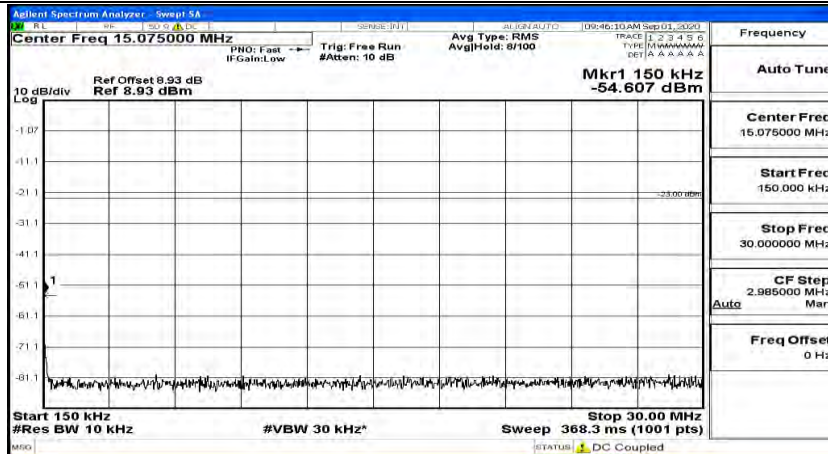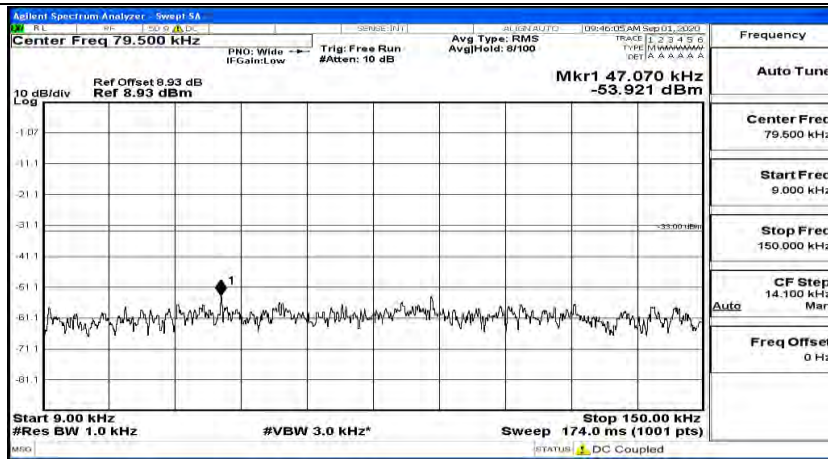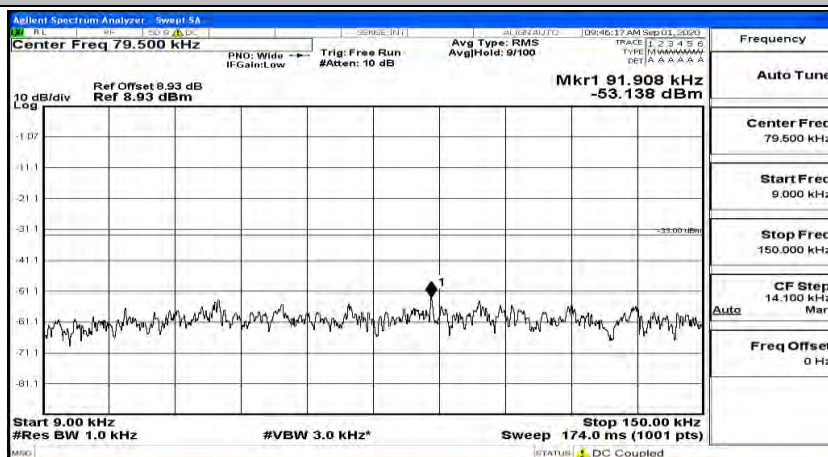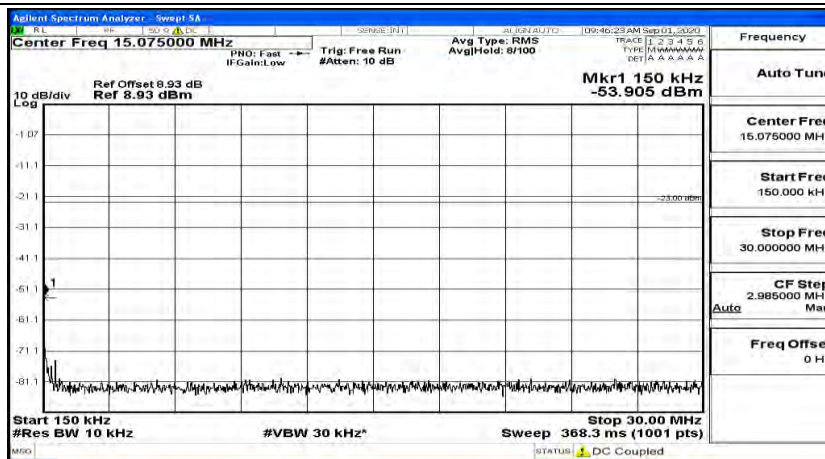(Channel Bandwidth: 1.4 MHz)_MCH_QPSK_1RB#0

(Channel Bandwidth: 1.4 MHz)_MCH_QPSK_1RB#3

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(Channel Bandwidth: 1.4 MHz)_MCH_QPSK_1RB#5

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(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_1RB#0



| (Channel Bandwidth: 1.4 MHz)_HCH_QPSK_1RB#3 |
|:---:|
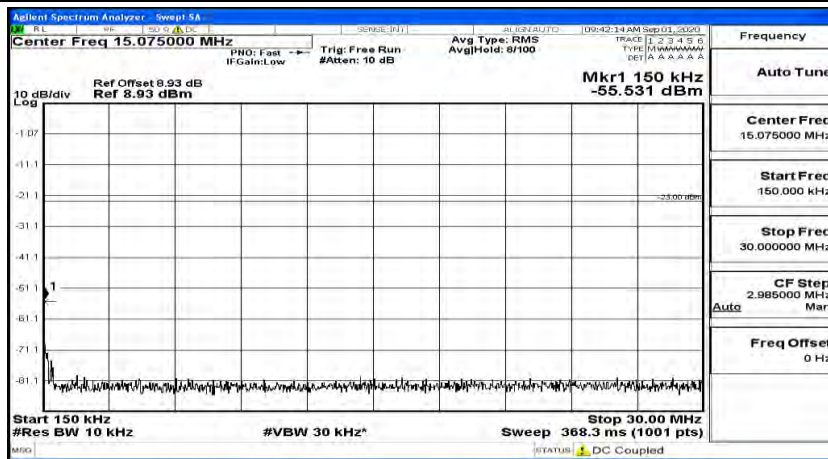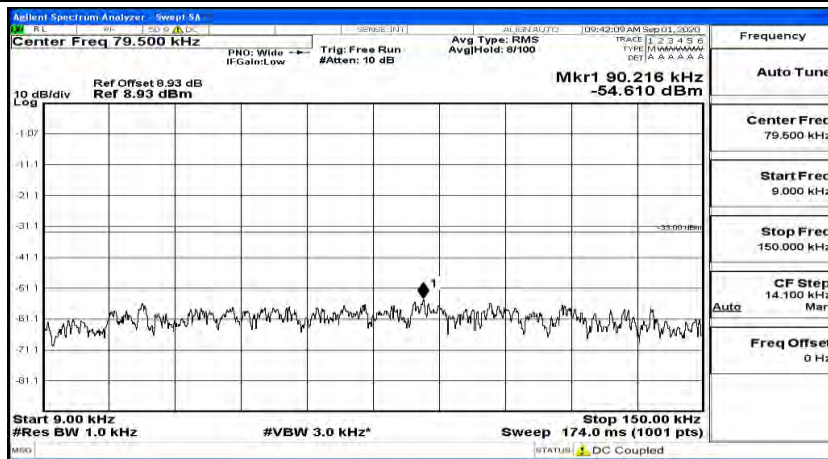
(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_1RB#5
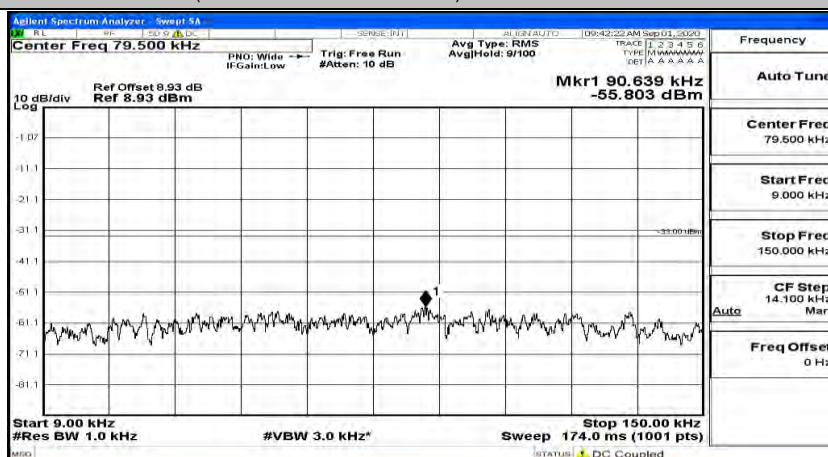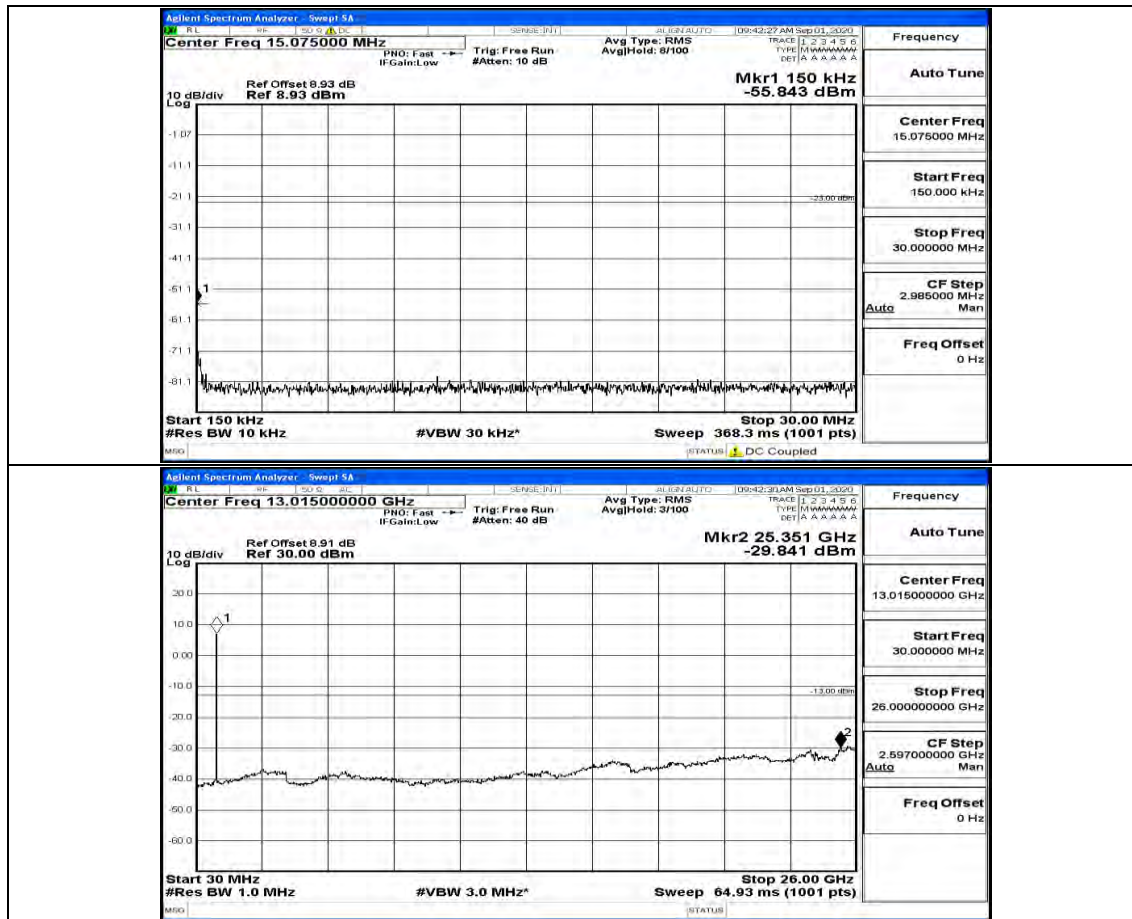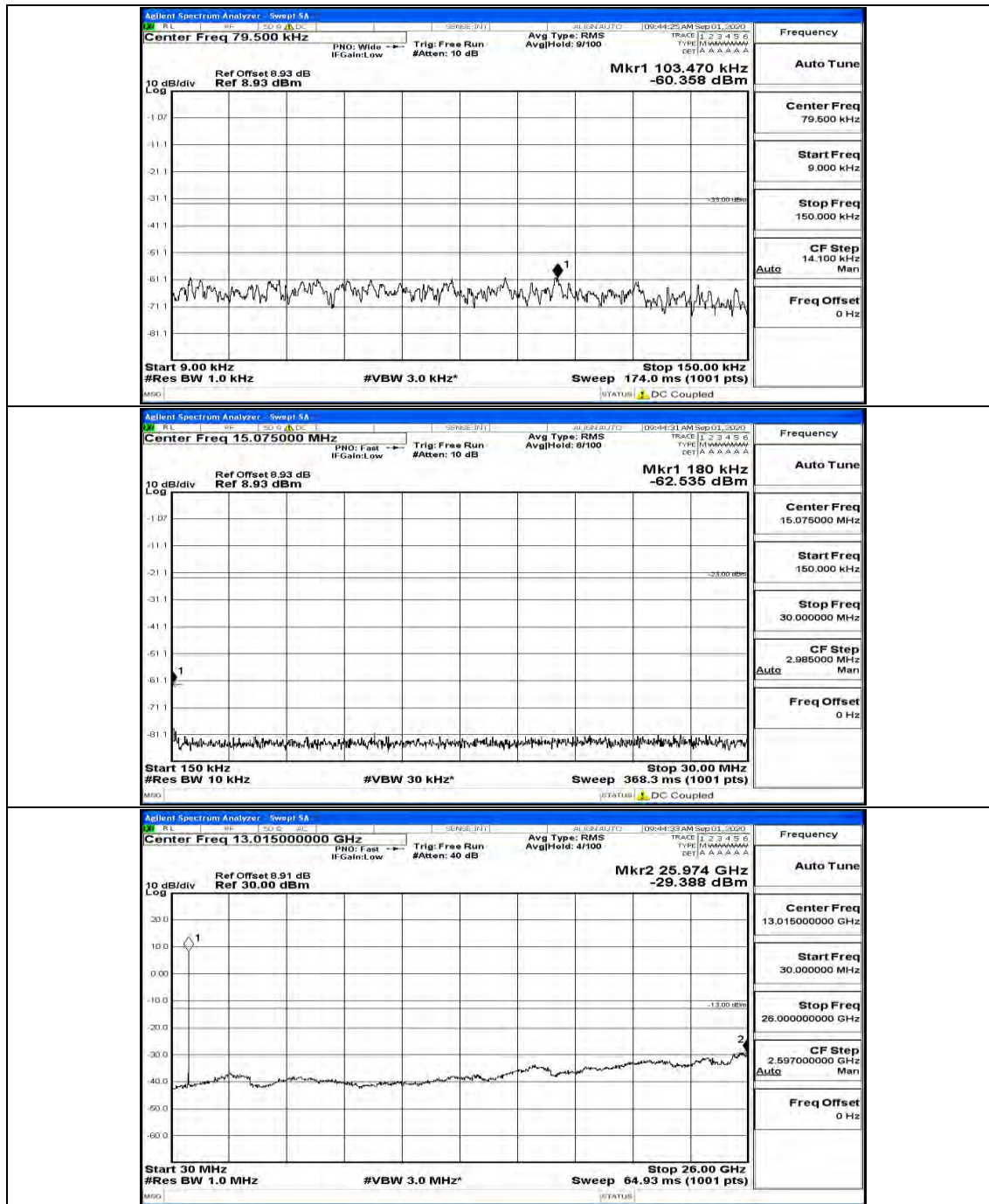
(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_1RB#0
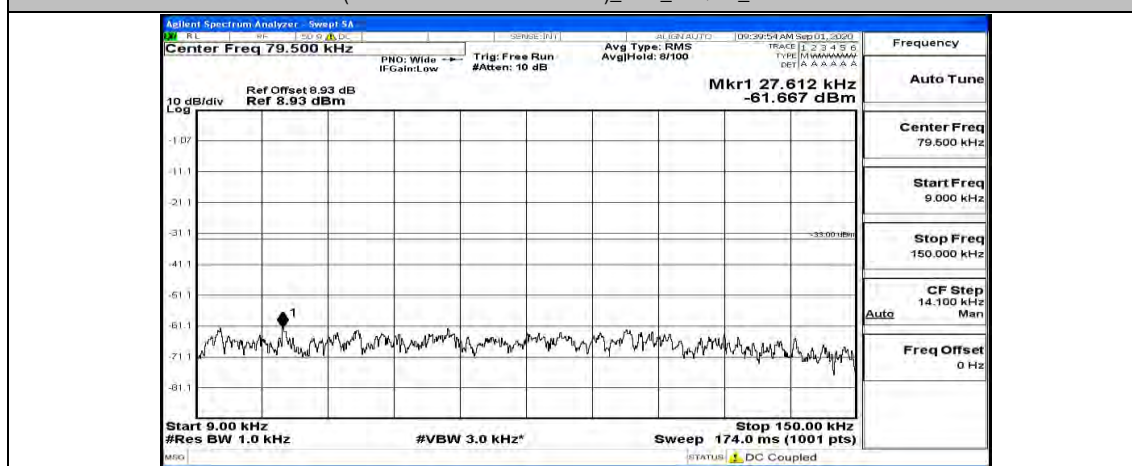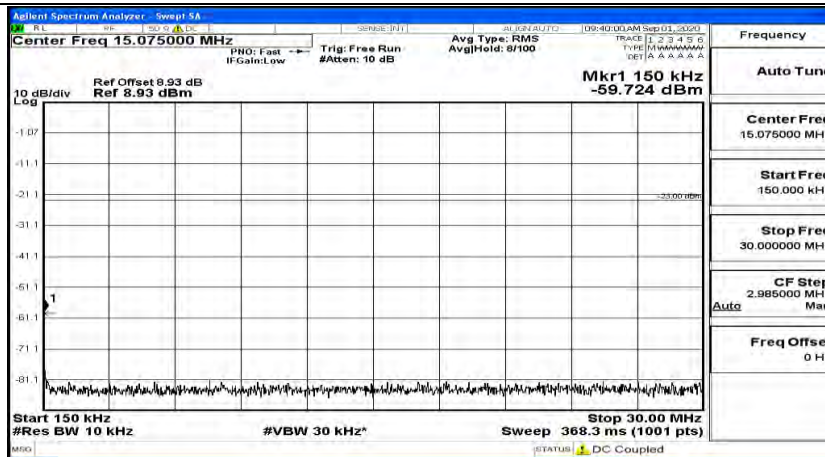
(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_1RB#3
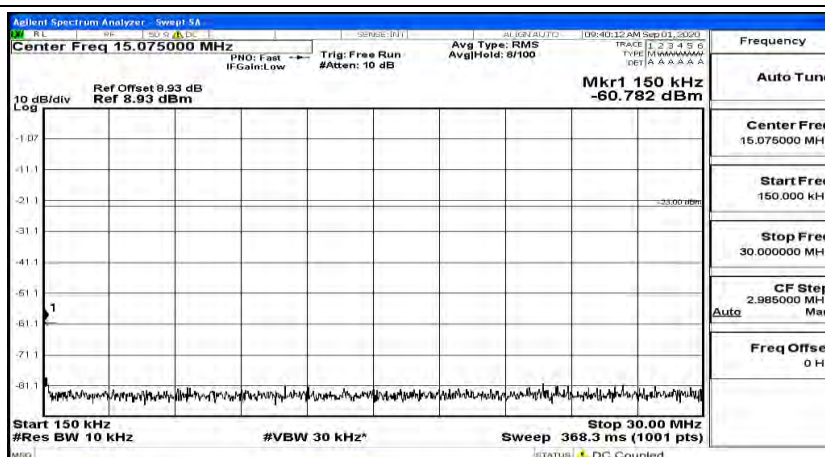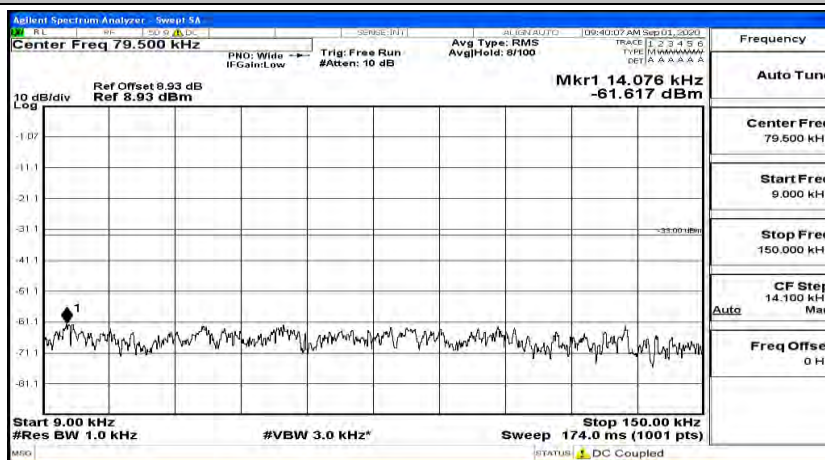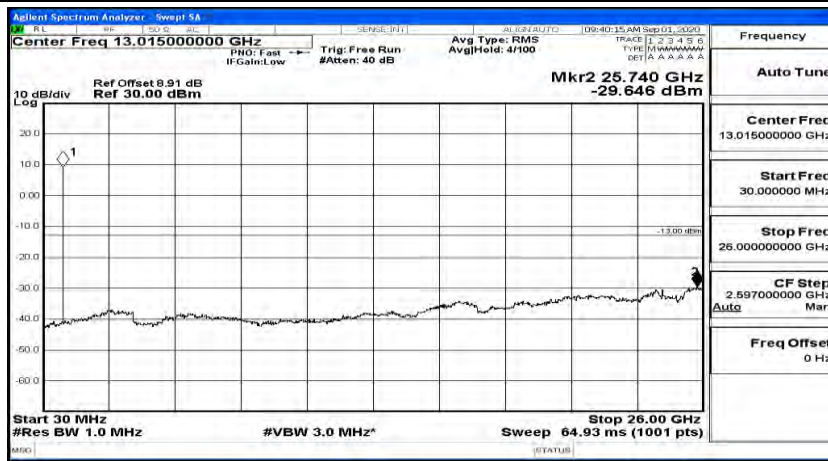
(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_1RB#5
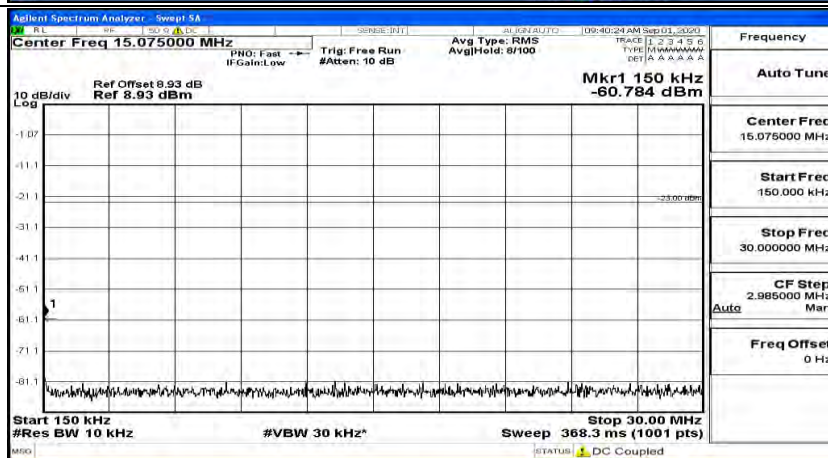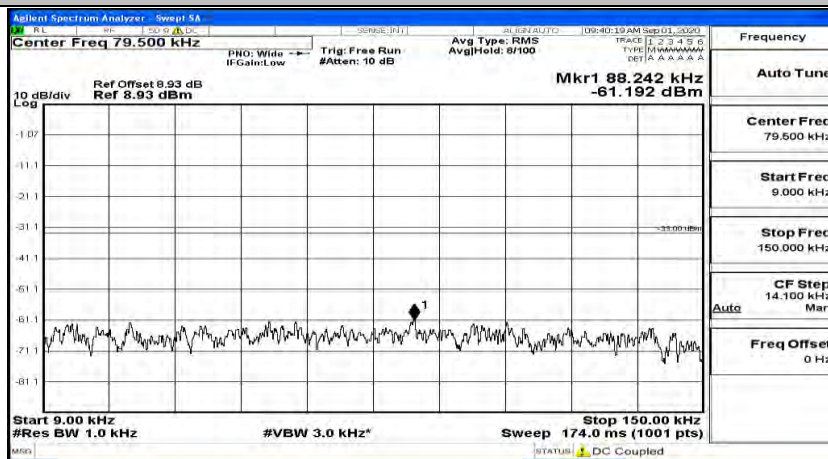
(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_1RB#0
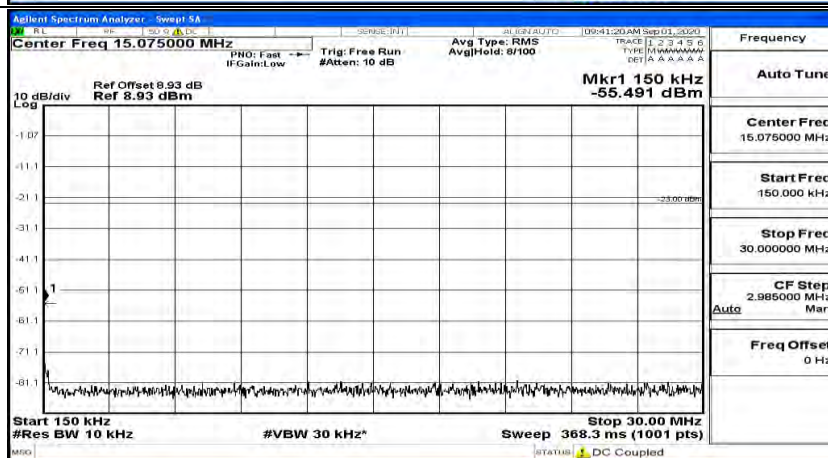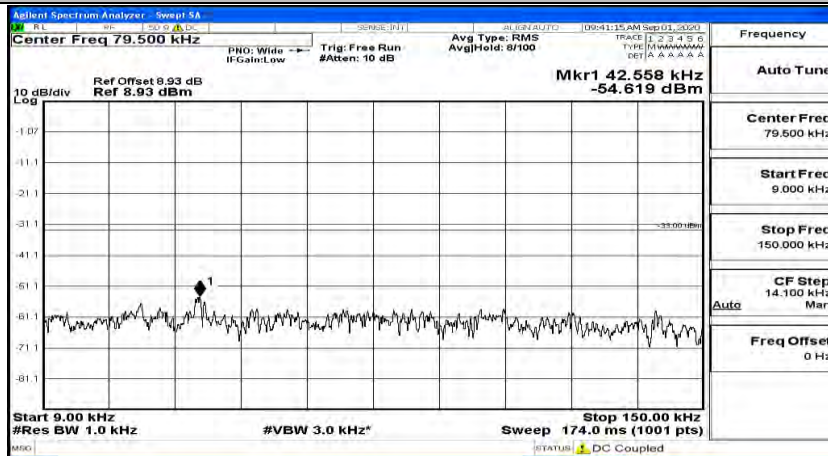
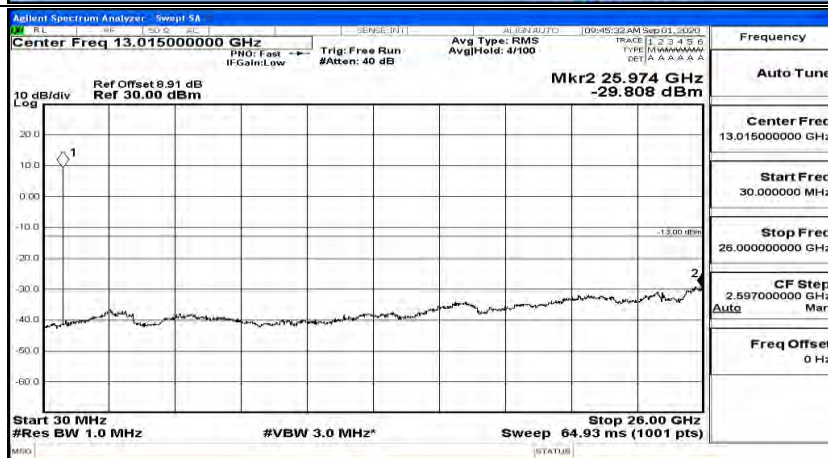| (Channel Bandwidth: 1.4 MHz)_MCH_16QAM_1RB#3 |
|---|

(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_1RB#5

(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_1RB#0

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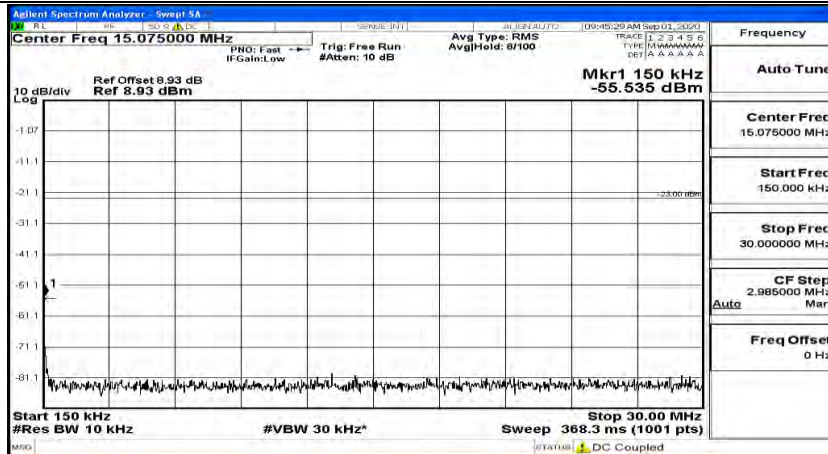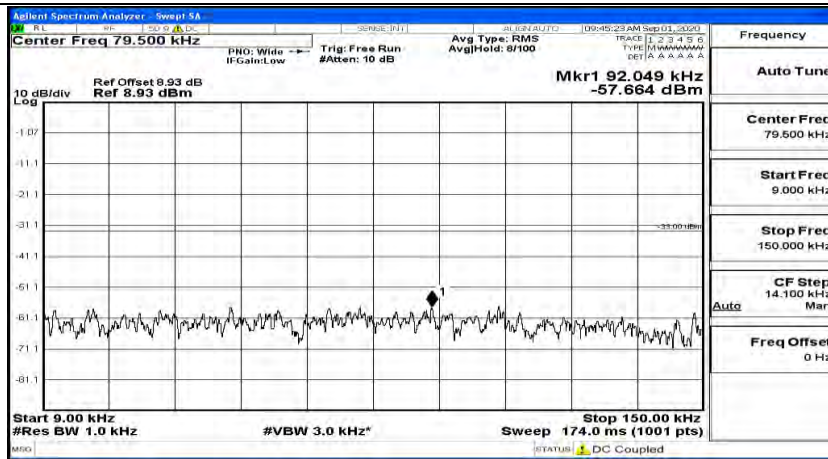
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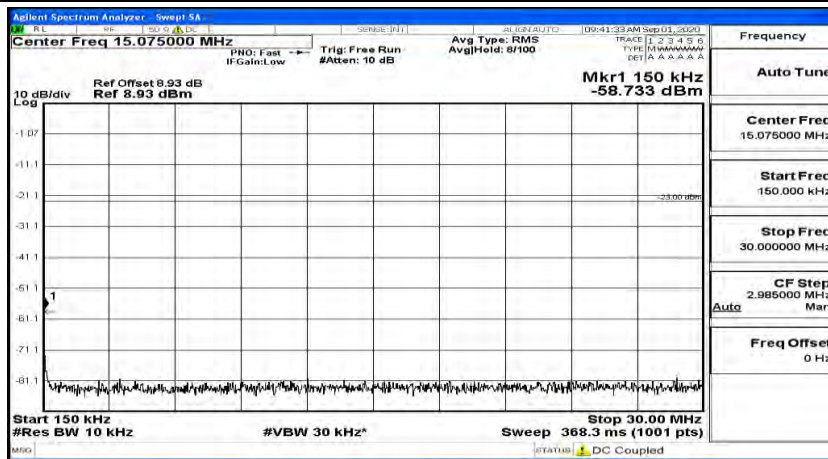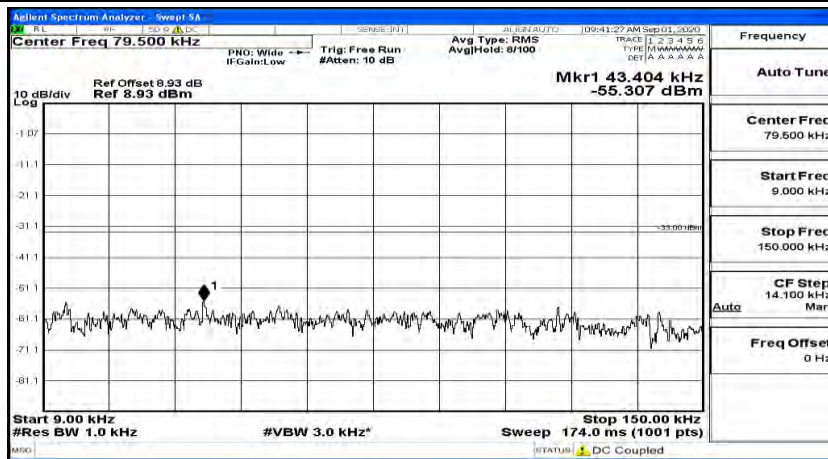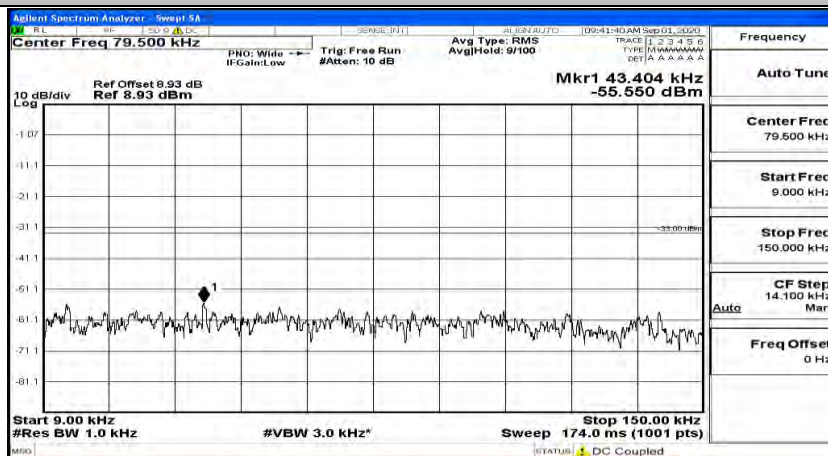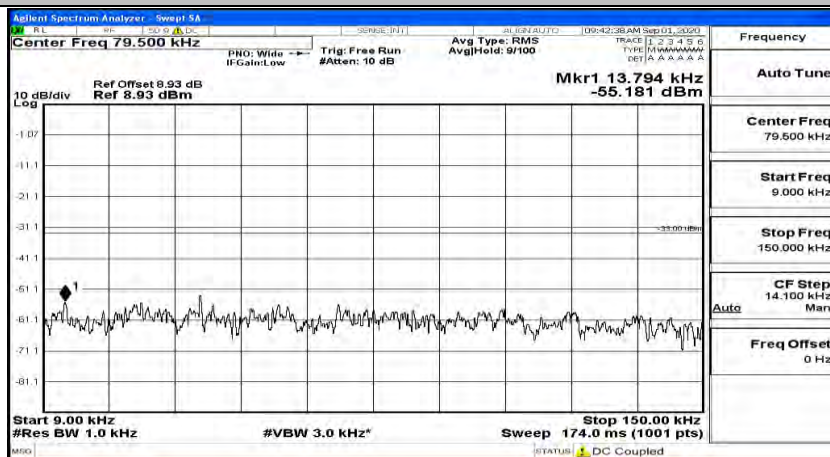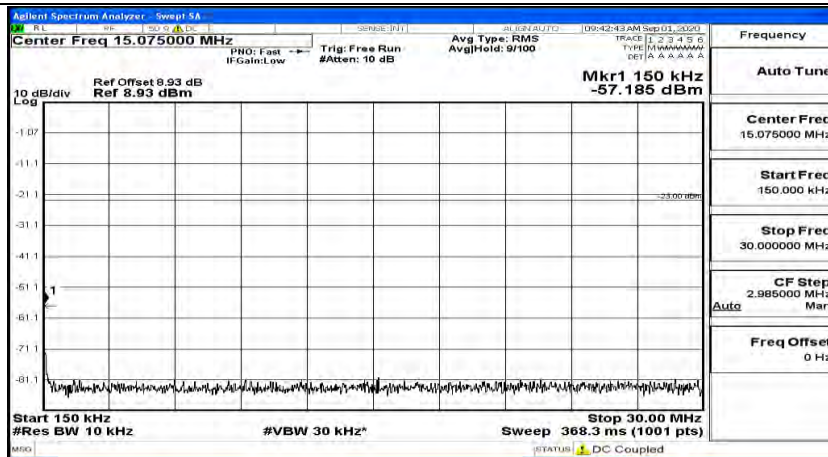
(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_1RB#3
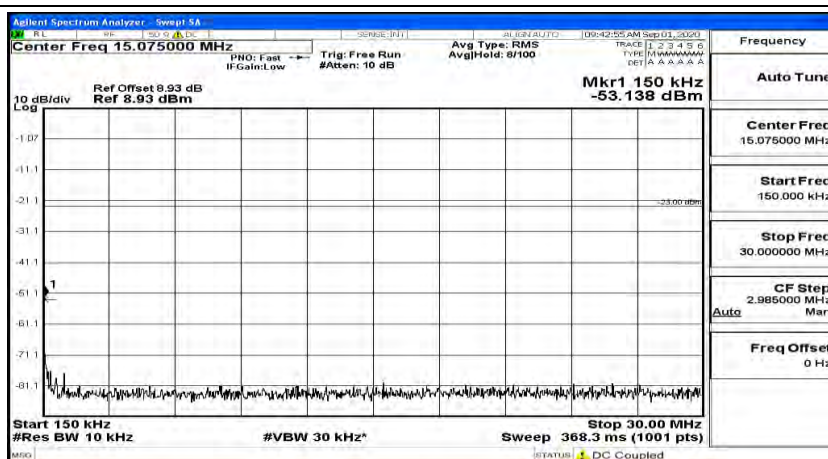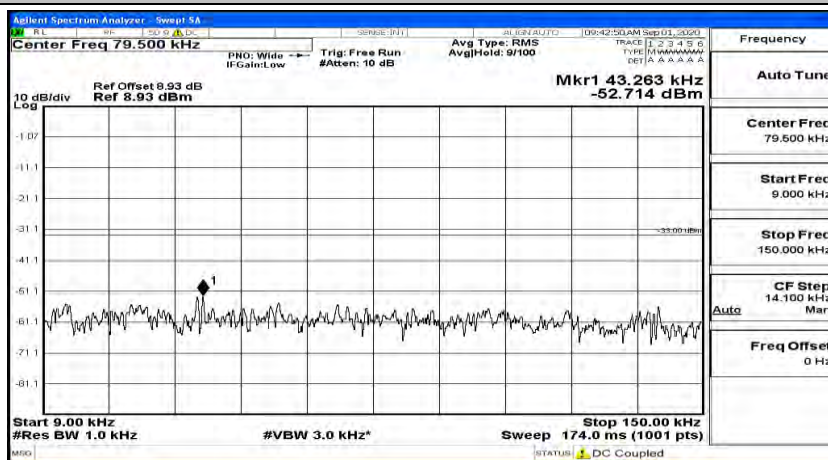
(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_1RB#5
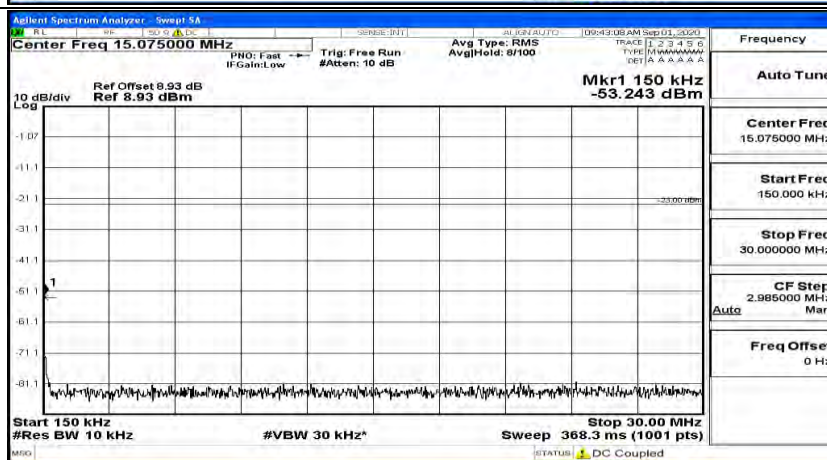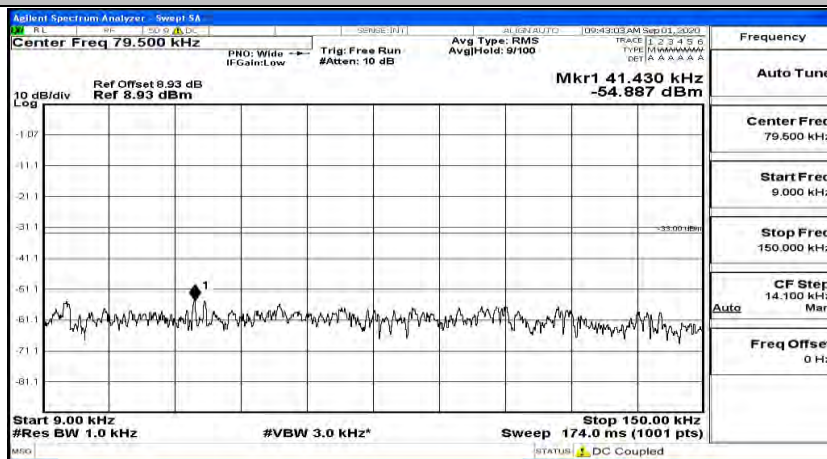
Channel Bandwidth: 3 MHz

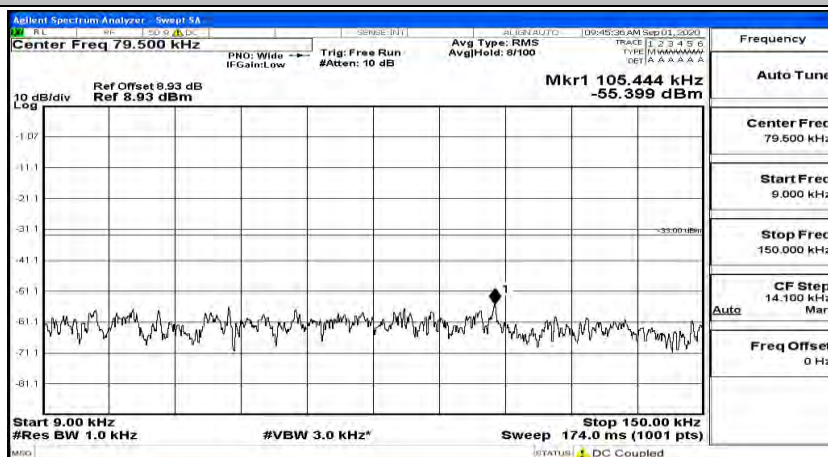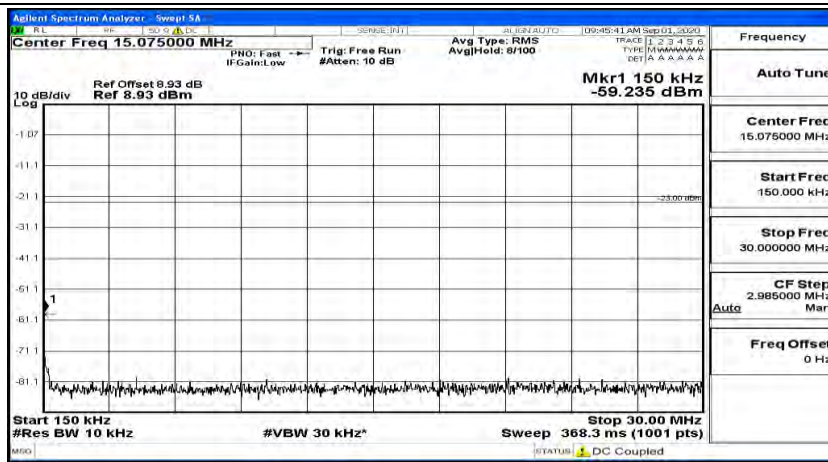| (Channel Bandwidth: 3 MHz)_LCH_QPSK_1RB#0 |
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| (Channel Bandwidth: 3 MHz)_LCH_QPSK_1RB#7 |
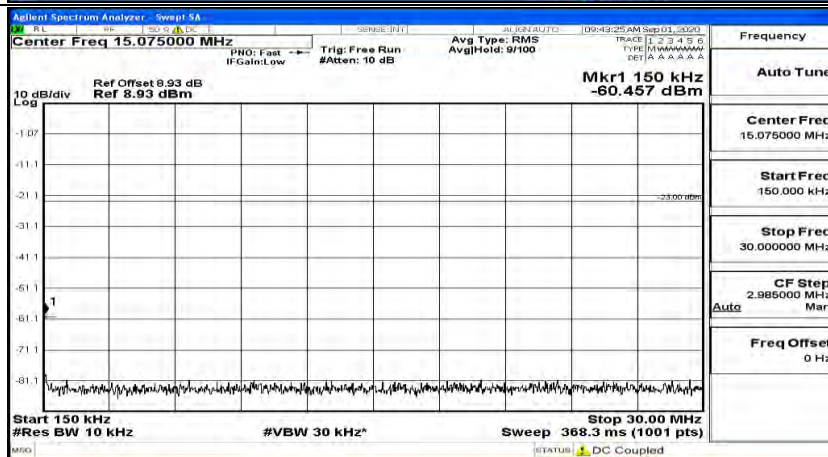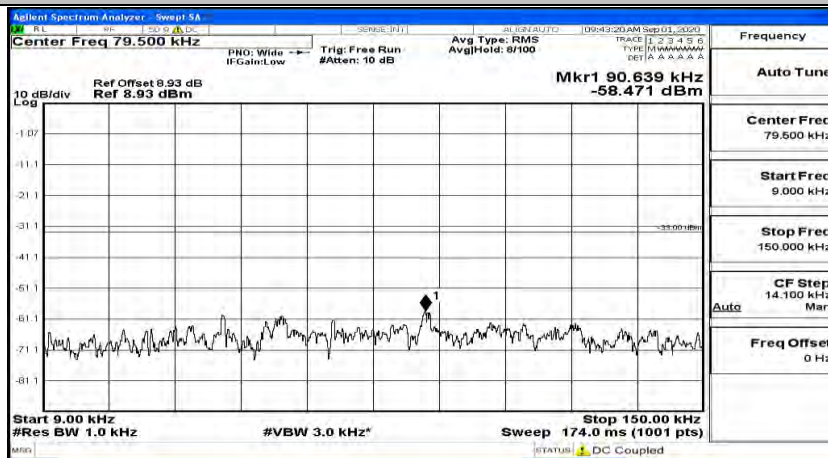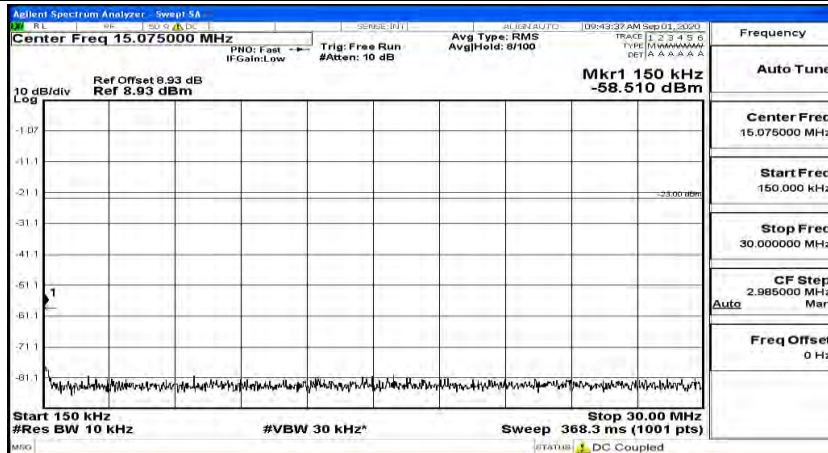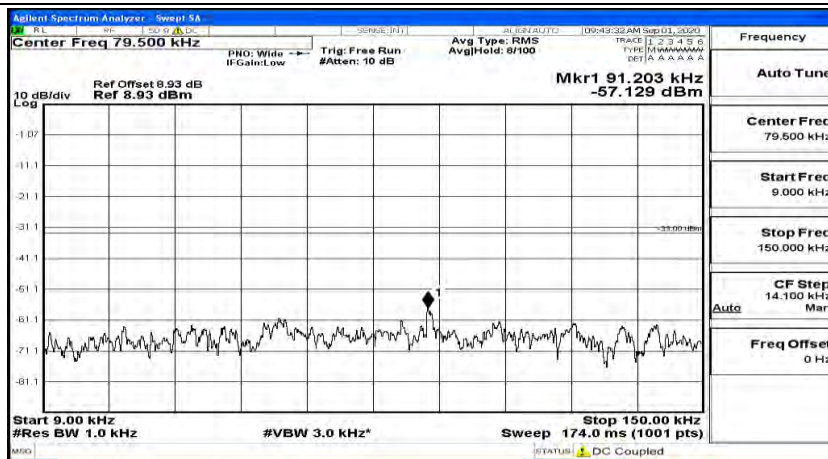
(Channel Bandwidth: 3 MHz)_LCH_QPSK_1RB#14
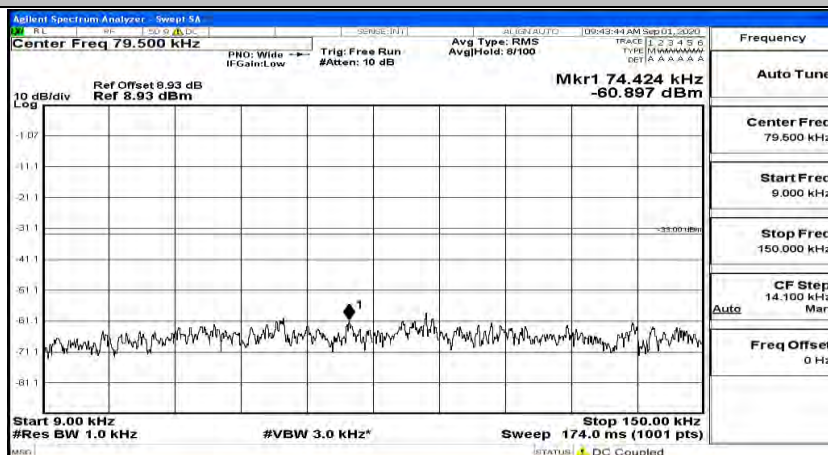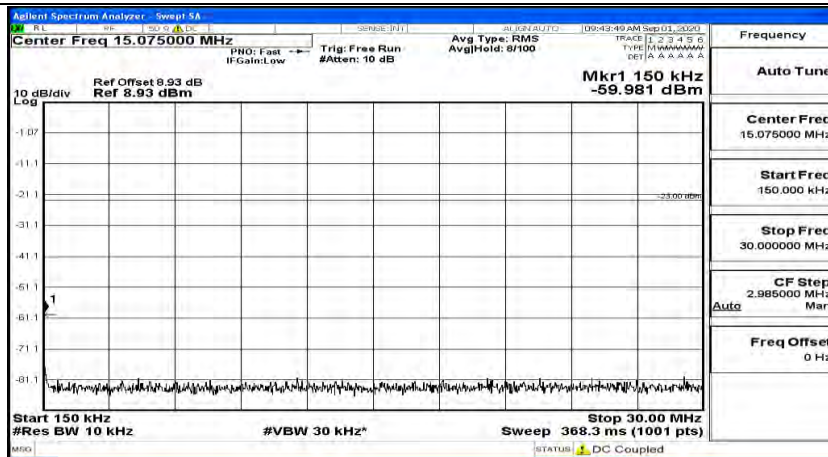
(Channel Bandwidth: 3 MHz)_MCH_QPSK_1RB#0
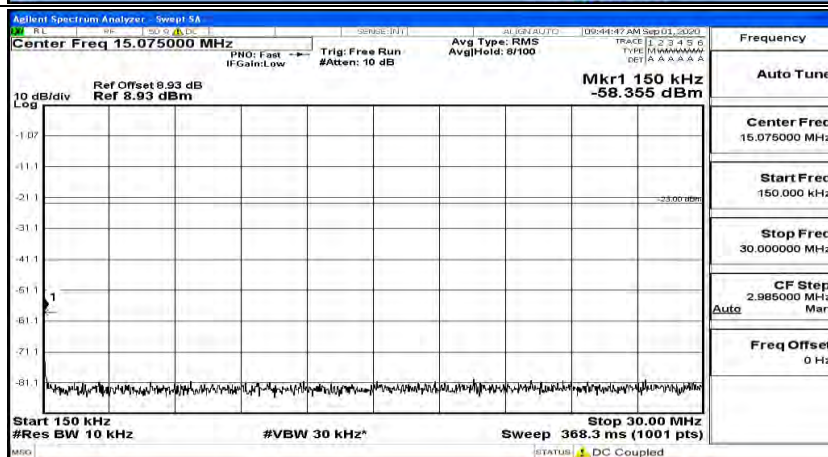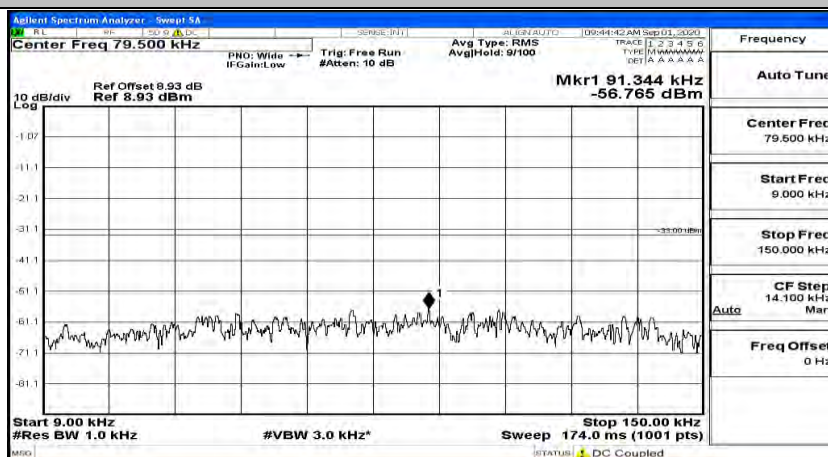
(Channel Bandwidth: 3 MHz)_MCH_QPSK_1RB#7
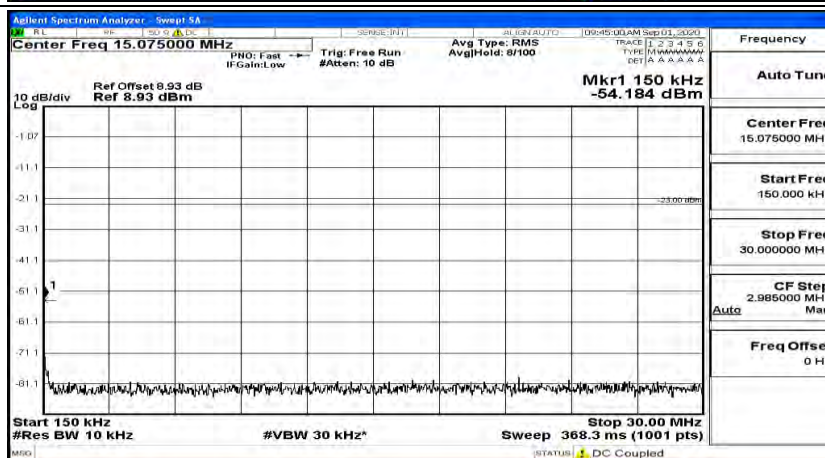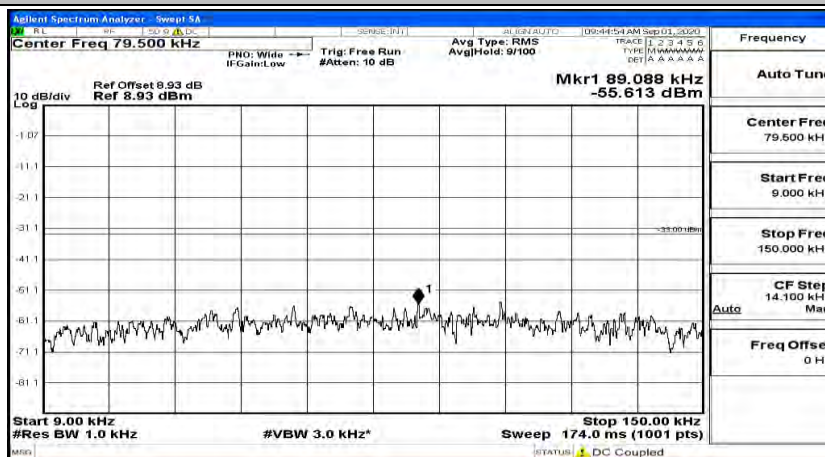
(Channel Bandwidth: 3 MHz)_MCH_QPSK_1RB#14
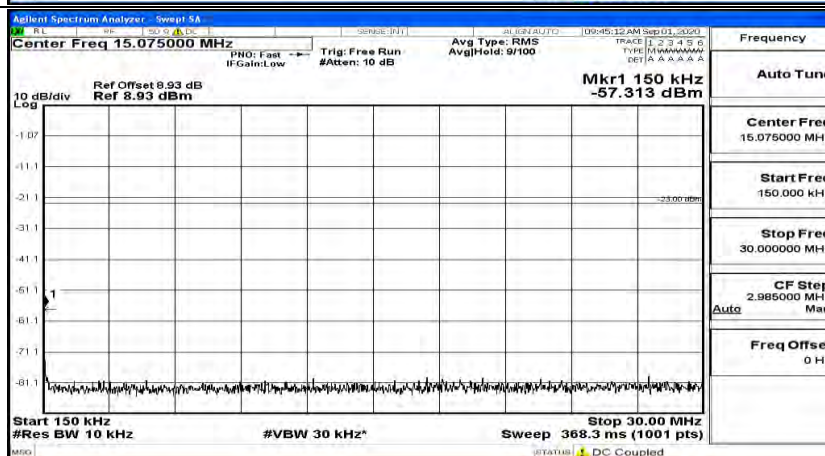
(Channel Bandwidth: 3 MHz)_HCH_QPSK_1RB#0

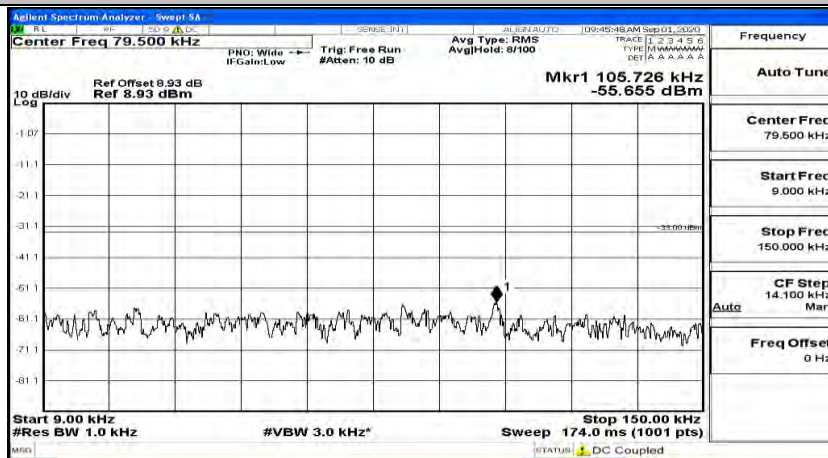(Channel Bandwidth: 3 MHz)_HCH_QPSK_1RB#7

(Channel Bandwidth: 3 MHz)_HCH_QPSK_1RB#14
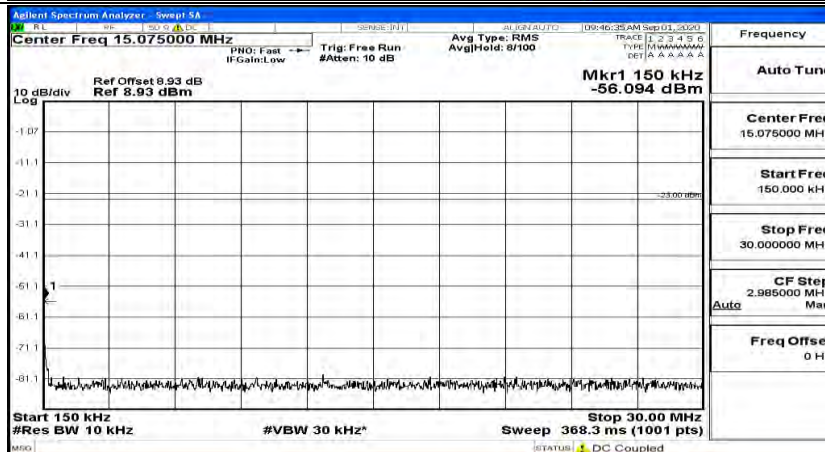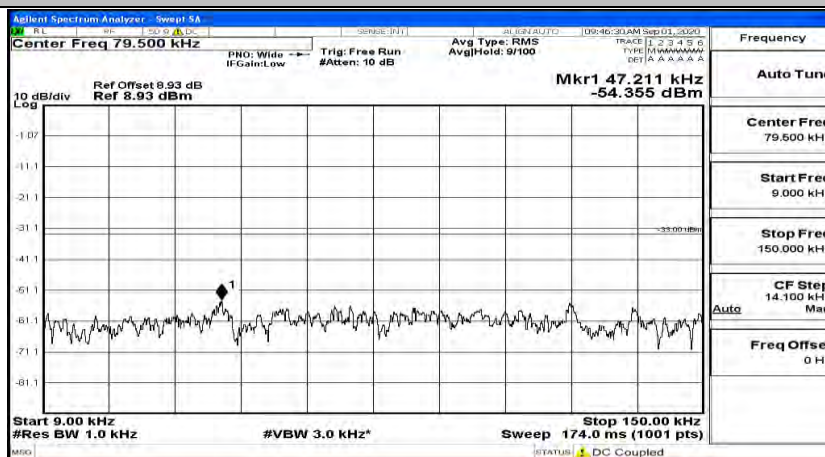
(Channel Bandwidth: 3 MHz)_LCH_16QAM_1RB#0
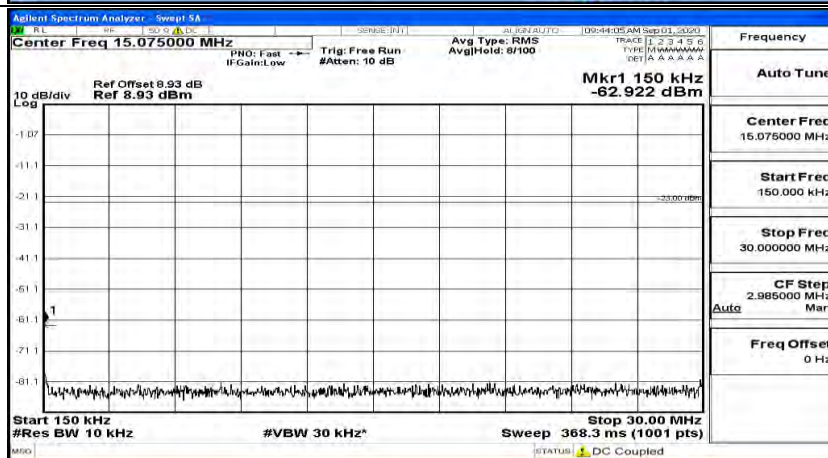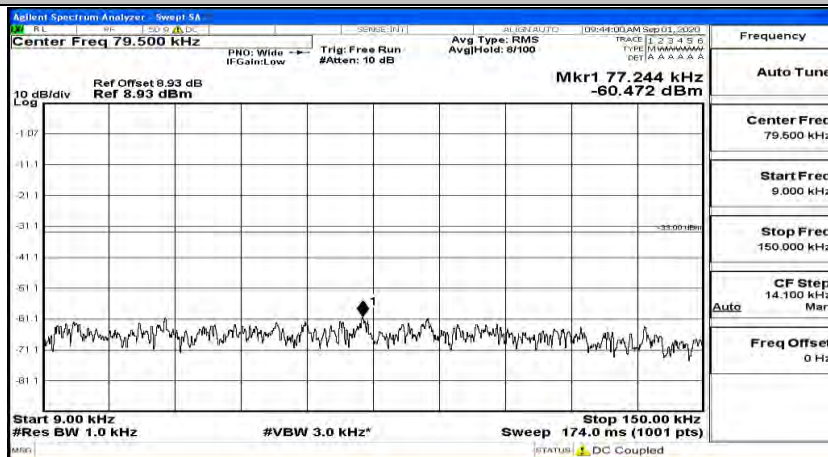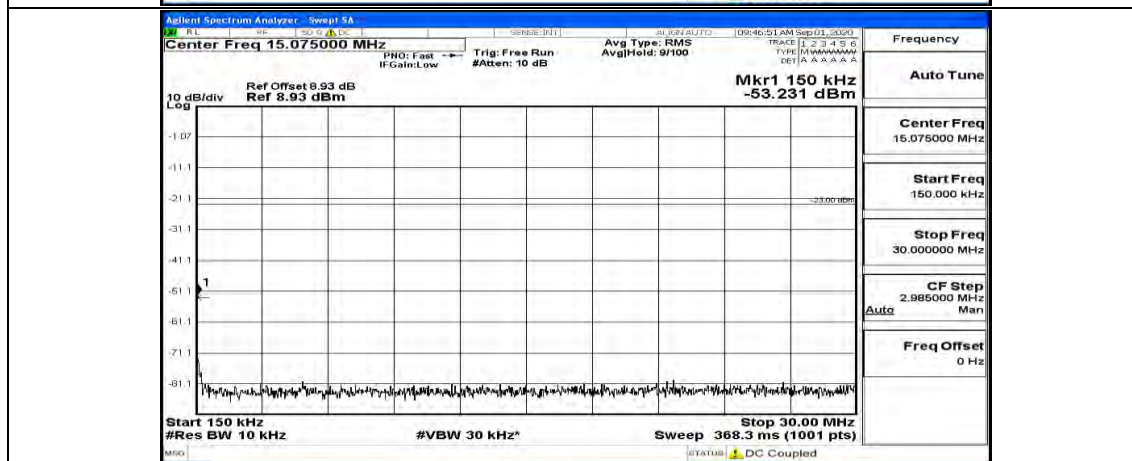
(Channel Bandwidth: 3 MHz)_LCH_16QAM_1RB#7
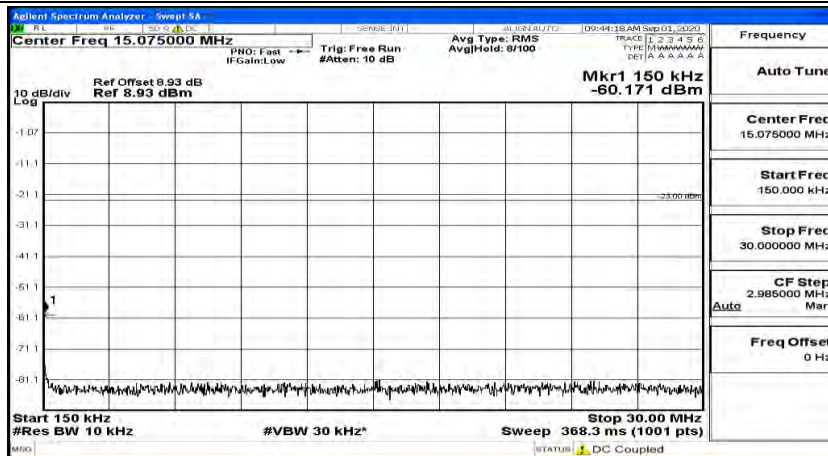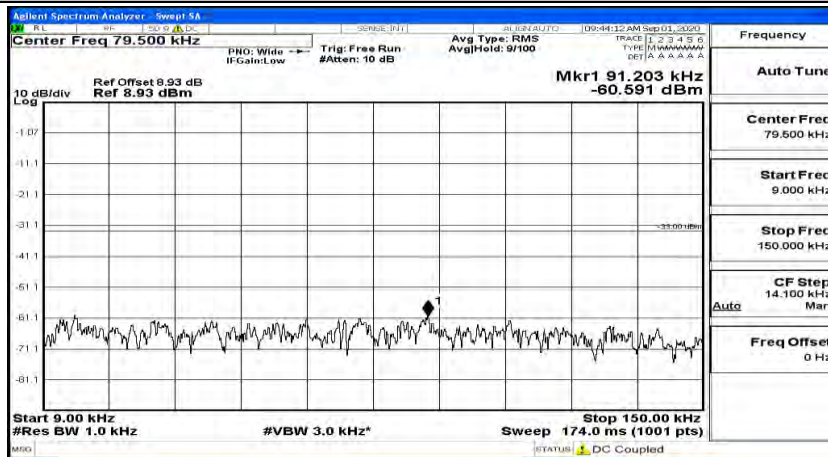
(Channel Bandwidth: 3 MHz)_LCH_16QAM_1RB#14

(Channel Bandwidth: 3 MHz)_MCH_16QAM_1RB#0
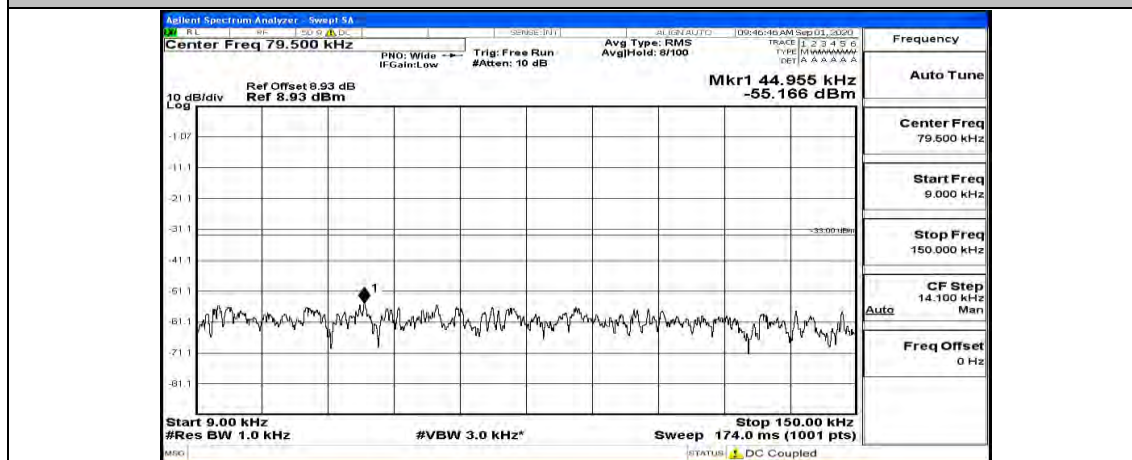
(Channel Bandwidth: 3 MHz)_MCH_16QAM_1RB#7
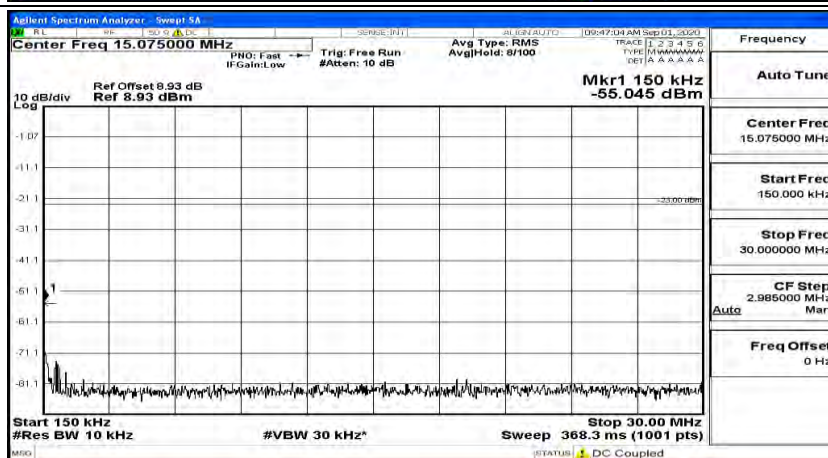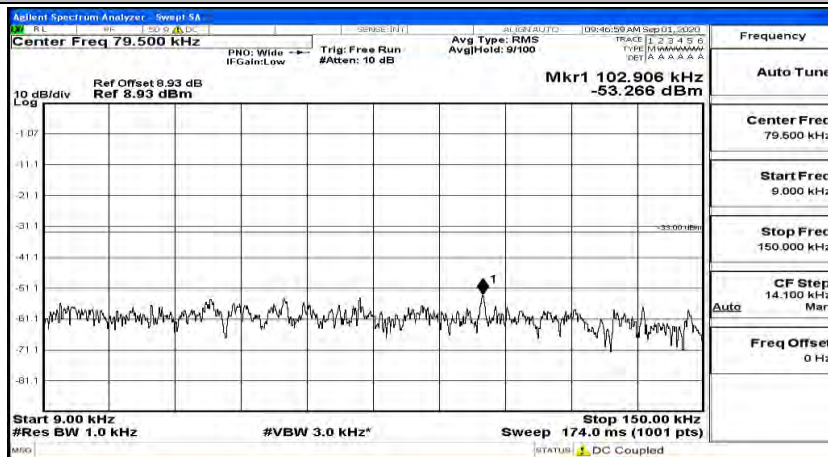
(Channel Bandwidth: 3 MHz)_MCH_16QAM_1RB#14
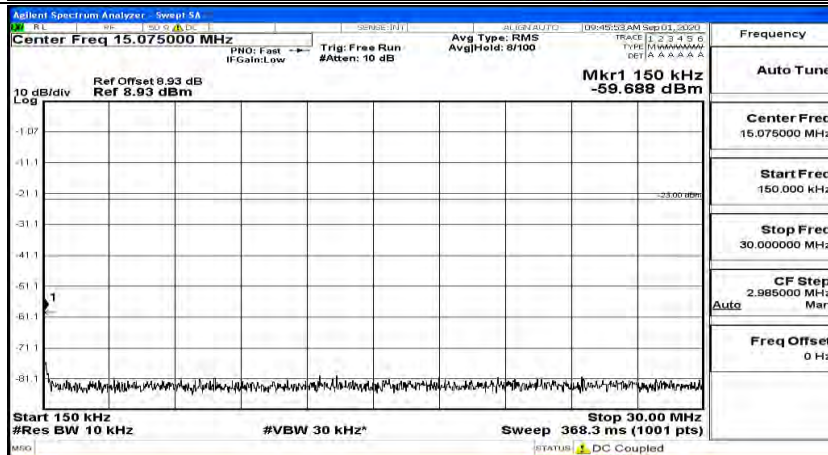
(Channel Bandwidth: 3 MHz)_HCH_16QAM_1RB#0

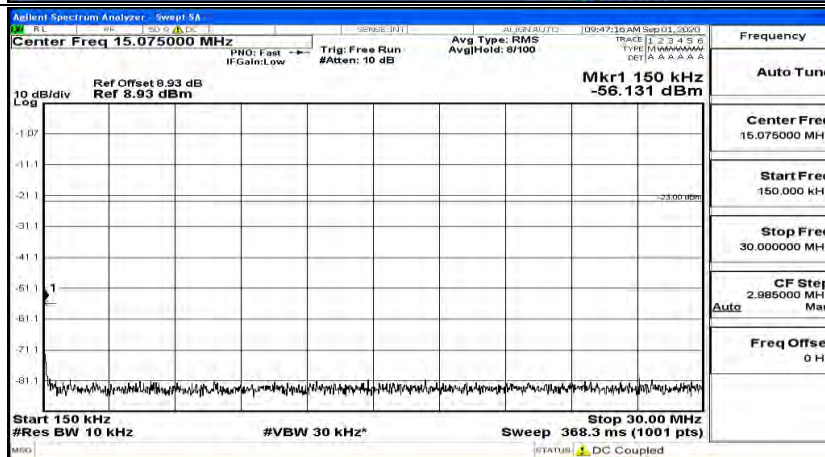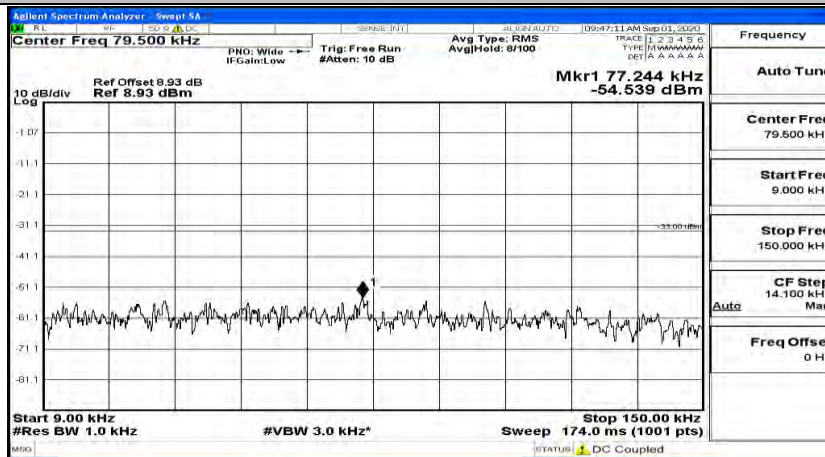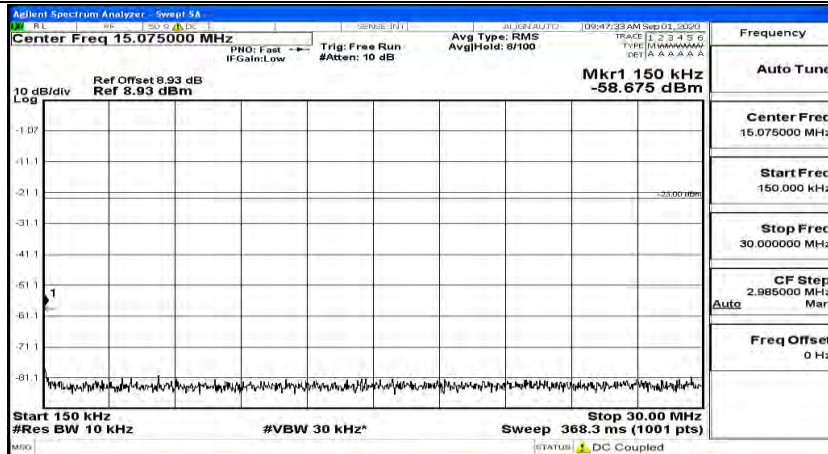(Channel Bandwidth: 3 MHz)_HCH_16QAM_1RB#7

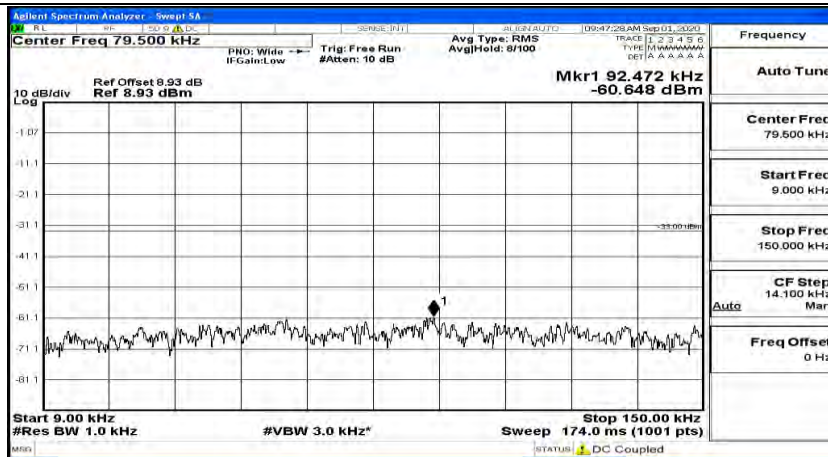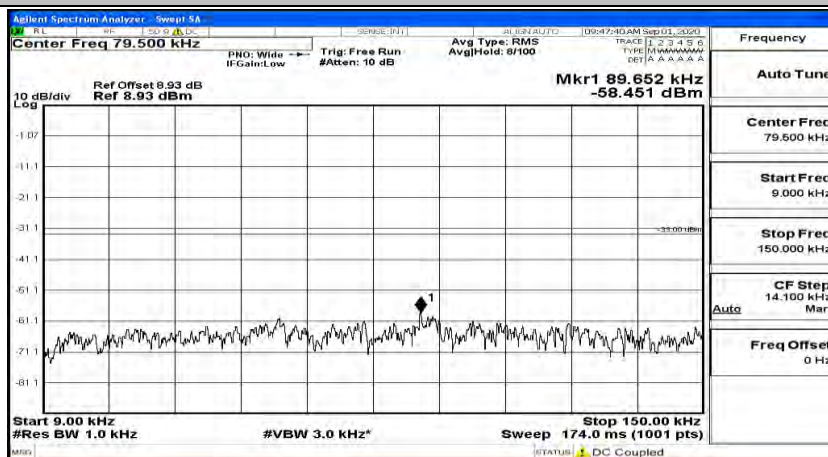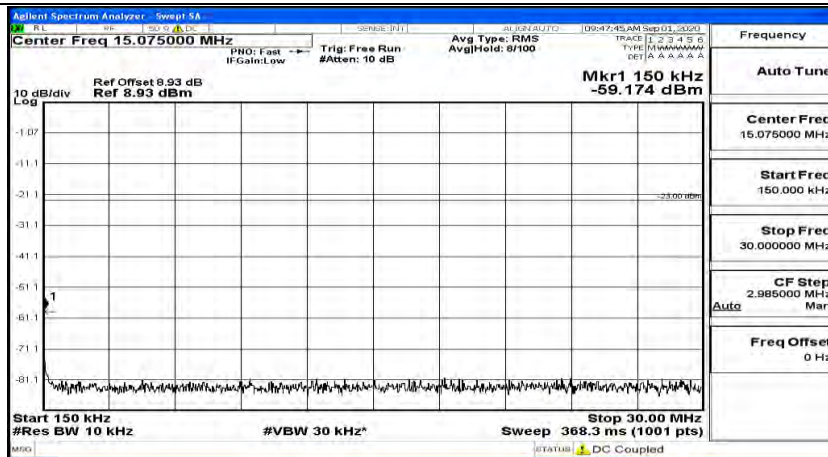| (Channel Bandwidth: 3 MHz)_HCH_16QAM_1RB#14 |
|---|

Channel Bandwidth: 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