Appendix F: Test Data for E-UTRA Band 17

Product Name: TD-LTE/LTE FDD/WLAN terminal
Trade Mark: N/A
Test Model: Mini11

Environmental Conditions

Temperature:	22.7° C
Relative Humidity:	53.4%
ATM Pressure:	100.0 kPa
Test Engineer:	Diamond Lu
Supervised by:	Li Huan

F.1 Conducted Output Power

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	22.95	21.79	PASS
		1	12	23.49	21.82	PASS
		1	24	23.38	21.97	PASS
		12	0	22.18	20.83	PASS
		12	6	22.11	21.16	PASS
		12	13	22.34	21.20	PASS
		25	0	22.06	21.40	PASS
	MCH	1	0	23.40	22.40	PASS
		1	12	23.54	21.74	PASS
		1	24	23.06	21.99	PASS
		12	0	22.18	21.22	PASS
		12	6	22.27	21.14	PASS
		12	13	21.98	21.15	PASS
		25	0	22.11	21.16	PASS
	HCH	1	0	22.81	21.26	PASS
		1	12	22.41	21.45	PASS
		1	24	22.28	20.53	PASS
		12	0	22.03	20.61	PASS
		12	6	21.64	20.37	PASS
		12	13	21.53	20.39	PASS
		25	0	21.76	20.74	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	23.10	22.49	PASS
		1	24	23.33	22.97	PASS
		1	49	22.76	22.44	PASS
		25	0	22.37	21.28	PASS
		25	12	22.28	21.23	PASS
		25	25	22.23	21.29	PASS
		50	0	22.19	21.24	PASS
	MCH	1	0	23.35	22.67	PASS
		1	24	22.94	22.73	PASS
		1	49	22.37	21.93	PASS
		25	0	22.39	21.35	PASS
		25	12	22.17	21.17	PASS
		25	25	22.08	21.22	PASS
		50	0	22.18	21.17	PASS
	HCH	1	0	23.41	21.94	PASS
		1	24	23.19	21.58	PASS
		1	49	22.32	21.03	PASS
		25	0	22.35	21.40	PASS
		25	12	22.11	21.08	PASS
		25	25	21.92	20.98	PASS
		50	0	22.04	21.10	PASS

F.2 Peak-to-Average Ratio

Peak-to Average Ratio Test Result (Channel Bandwidth: 5 MHz)				
Modulation	Channel	Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
QPSK	LCH	4.82	<13	PASS
	MCH	4.63	<13	PASS
	HCH	4.47	<13	PASS
16QAM	LCH	5.63	<13	PASS
	MCH	5.43	<13	PASS
	HCH	5.2	<13	PASS

Peak-to Average Ratio Test Result (Channel Bandwidth: 10 MHz)				
Modulation	Channel	Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
QPSK	LCH	4.58	<13	PASS
	MCH	4.57	<13	PASS
	HCH	4.54	<13	PASS
16QAM	LCH	5.43	<13	PASS
	MCH	5.42	<13	PASS
	HCH	5.42	<13	PASS

Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_QPSK
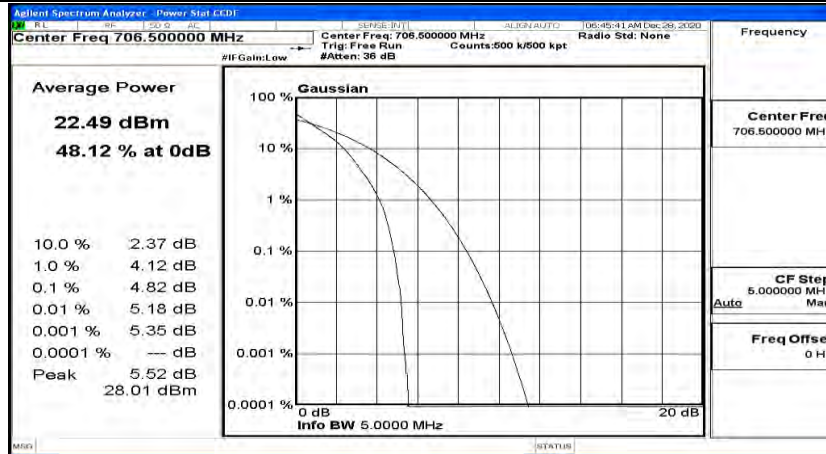
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)_MCH_QPSK
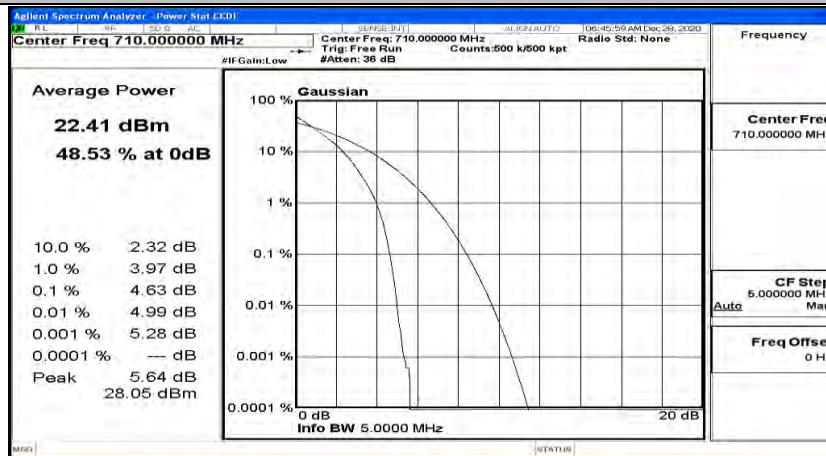
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_QPSK
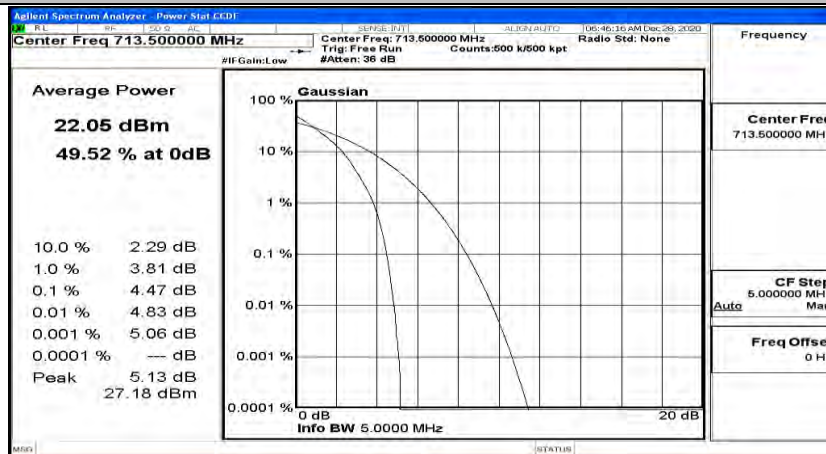
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_16QAM
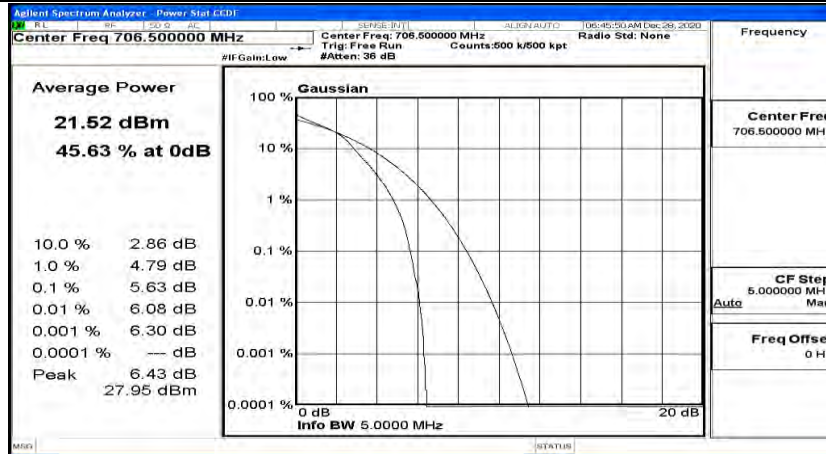
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)_MCH_16QAM
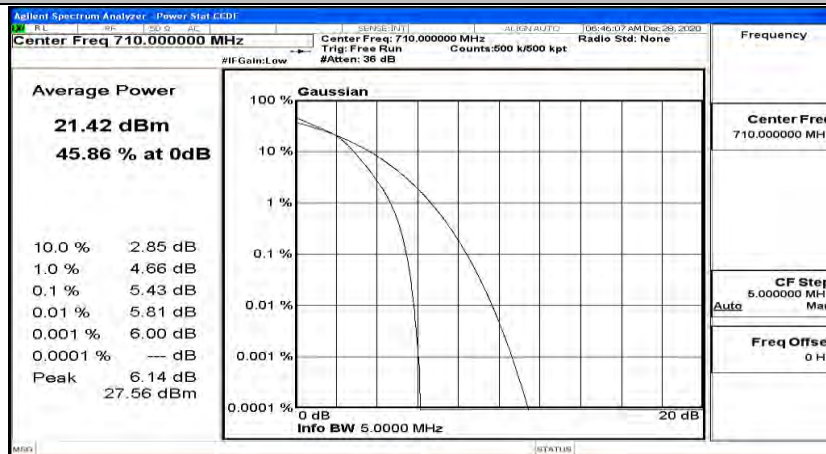
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_16QAM
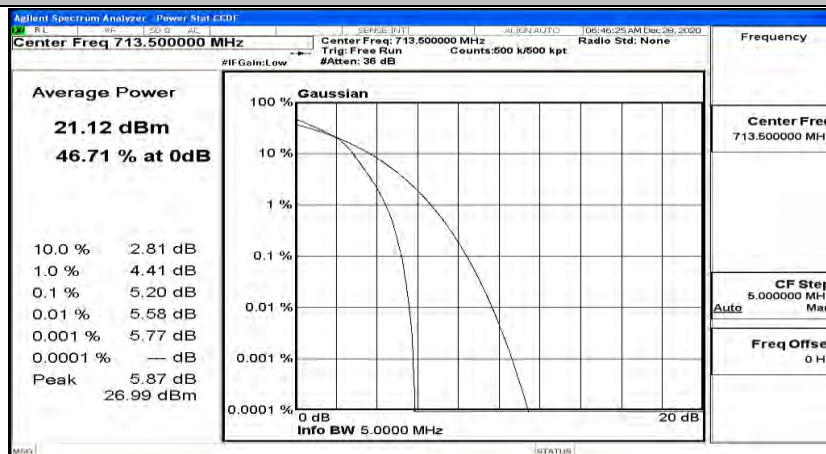
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)_LCH_QPSK
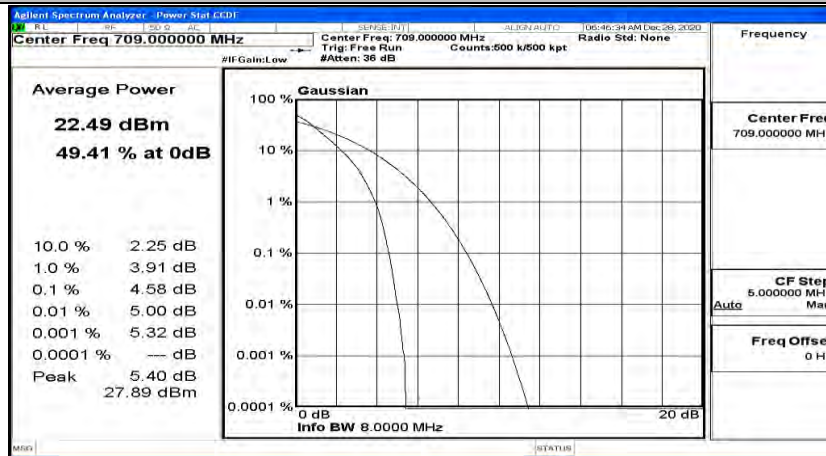
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)_MCH_QPSK
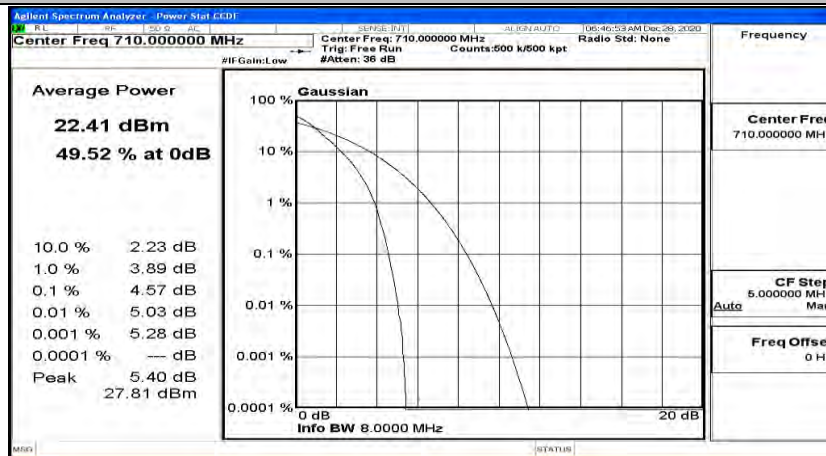
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)_HCH_QPSK
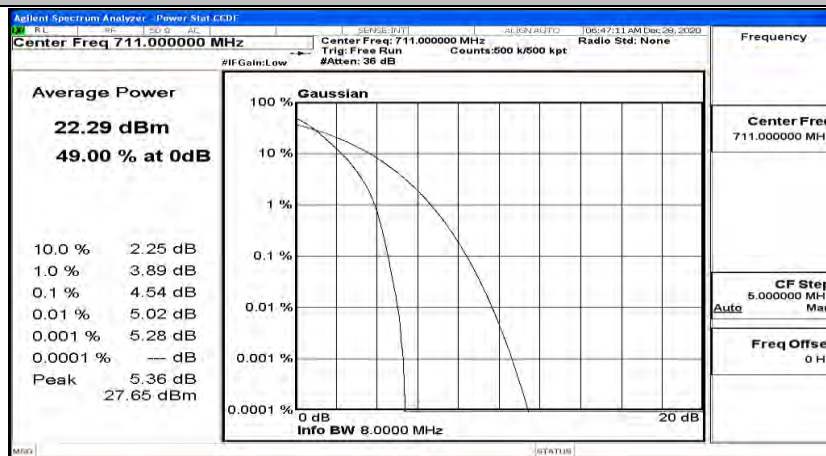
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)_LCH_16QAM
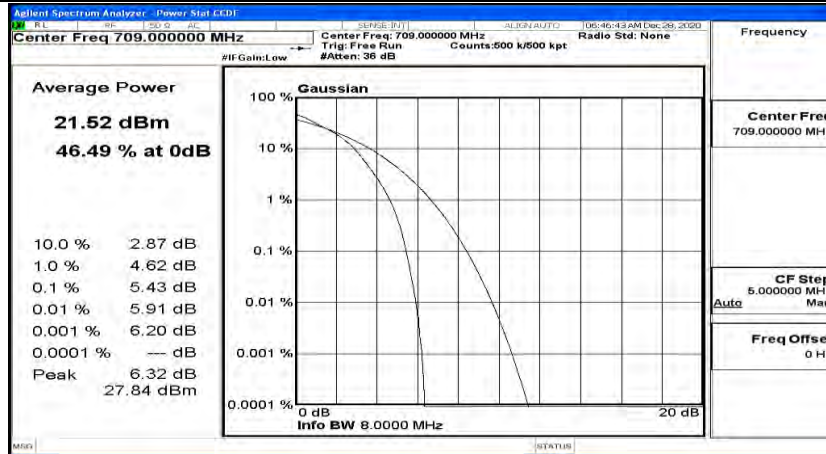
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)_MCH_16QAM
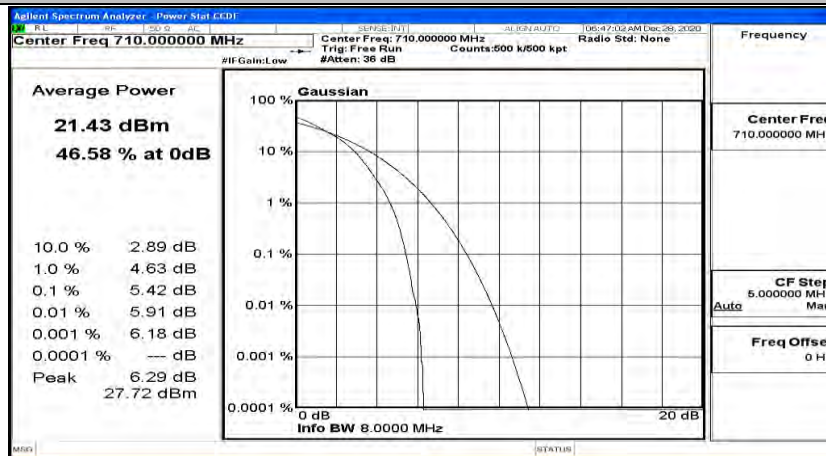
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)_HCH_16QAM
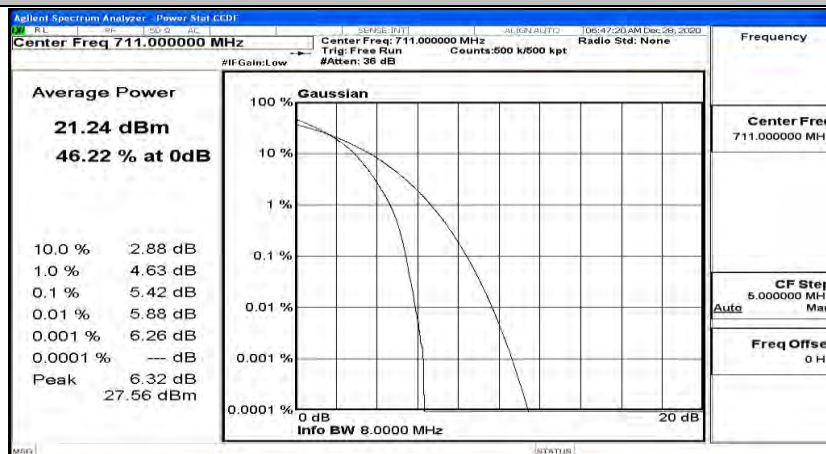
F.3 26dB Bandwidth and Occupied Bandwidth

EBW & OBW Test Result (Channel Bandwidth: 5 MHz)				
Modulation	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
QPSK	LCH	4.4722	4.797	PASS
	MCH	4.4670	4.779	PASS
	HCH	4.4689	4.872	PASS
16QAM	LCH	4.4759	4.790	PASS
	MCH	4.4692	4.810	PASS
	HCH	4.4808	4.839	PASS

EBW & OBW Test Result (Channel Bandwidth: 10 MHz)				
Modulation	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
QPSK	LCH	8.8906	9.392	PASS
	MCH	8.8941	9.378	PASS
	HCH	8.9080	9.399	PASS
16QAM	LCH	8.8986	9.436	PASS
	MCH	8.9083	9.389	PASS
	HCH	8.8866	9.377	PASS

EBW & OBW Test Result (Channel Bandwidth: 5 MHz)

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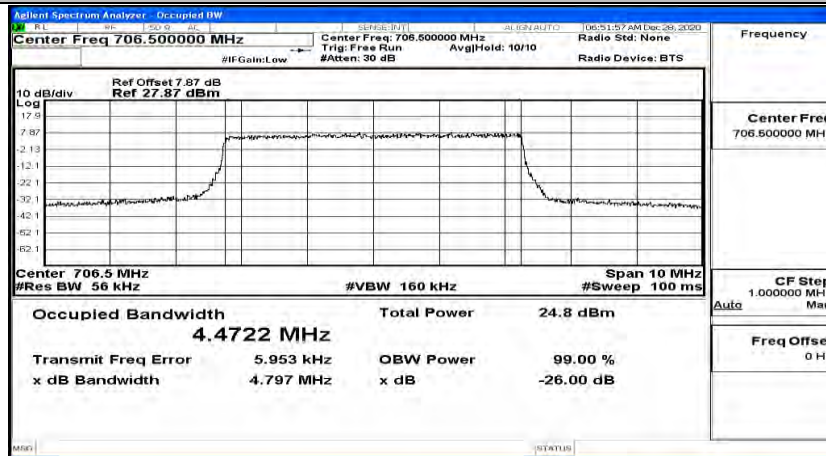
| EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz)_MCH_QPSK |
|---|
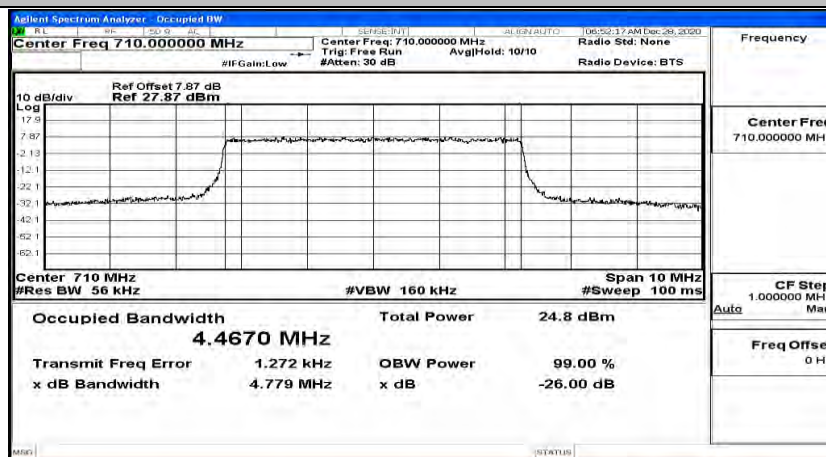
EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_QPSK
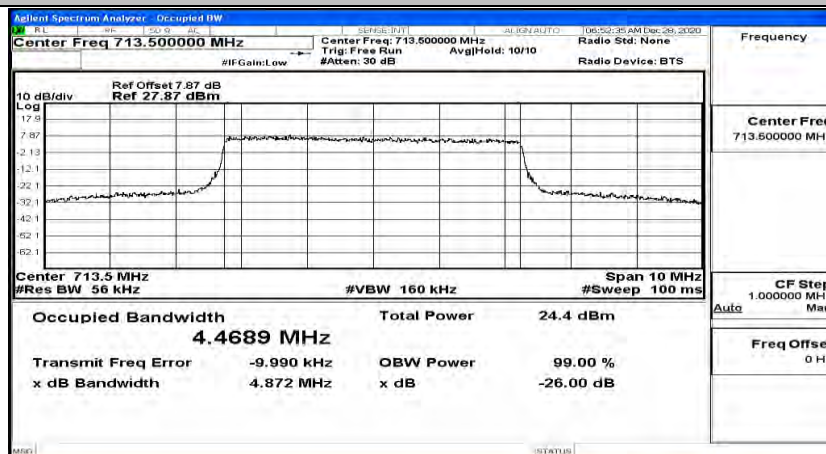
EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_16QAM
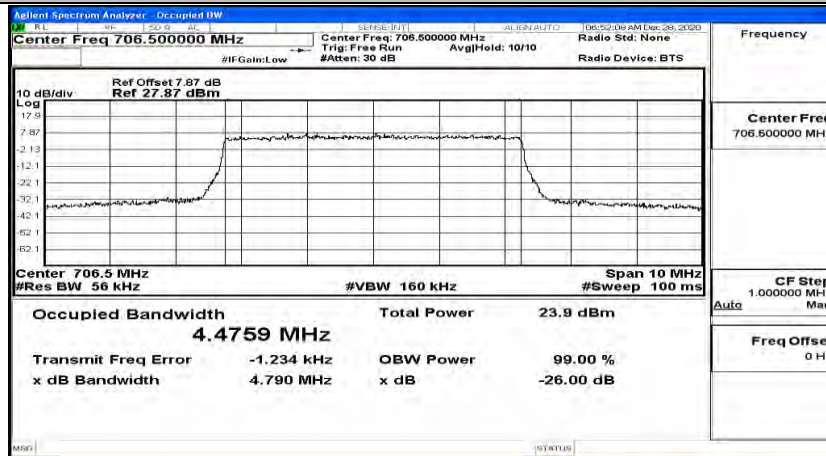
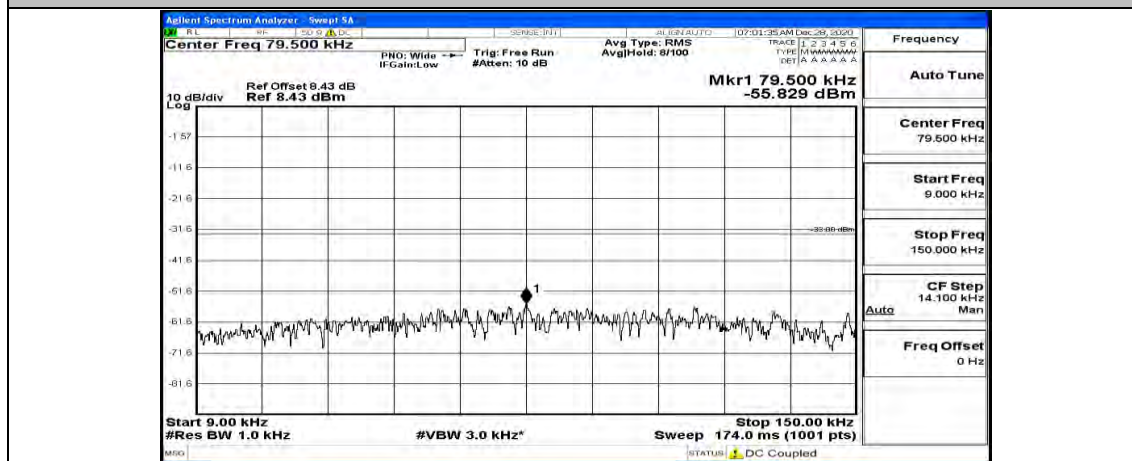| EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz)_MCH_16QAM |
|---|
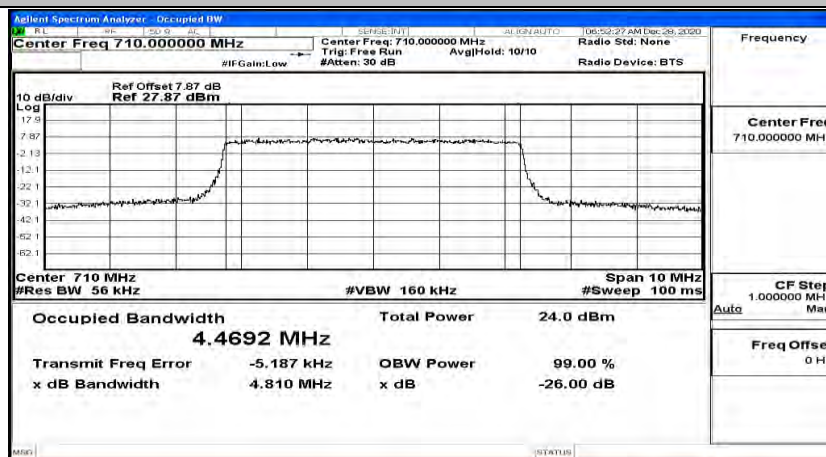
EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_16QAM
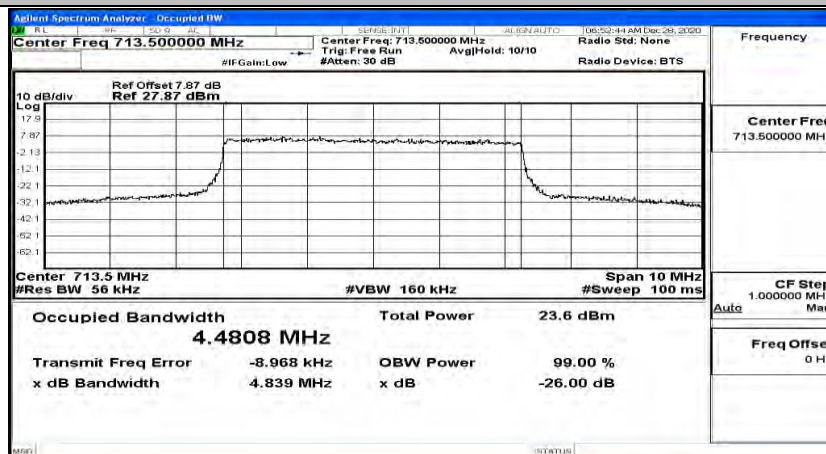
EBW & OBW Test Graph(s) (Channel Bandwidth: 10 MHz)_LCH_QPSK
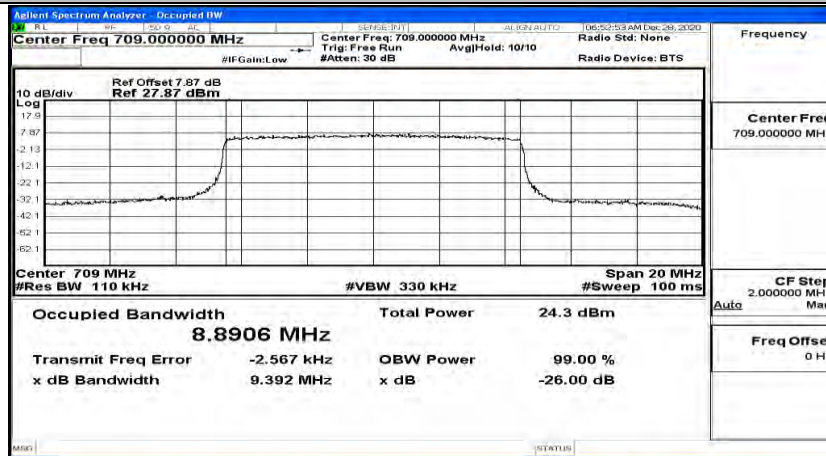
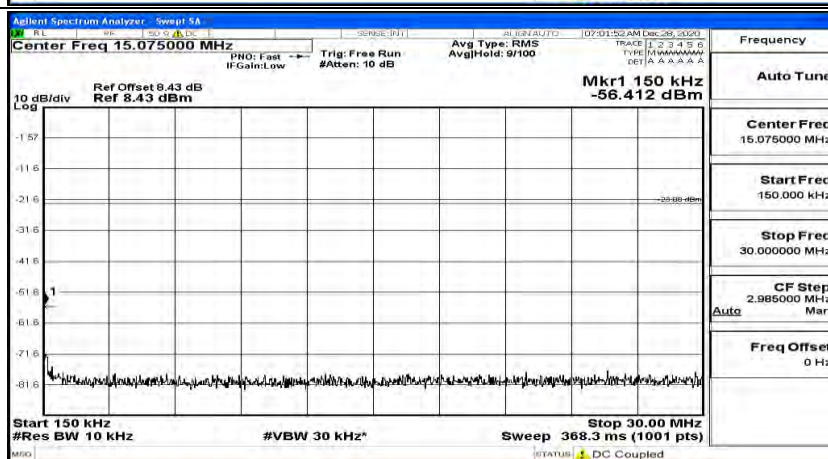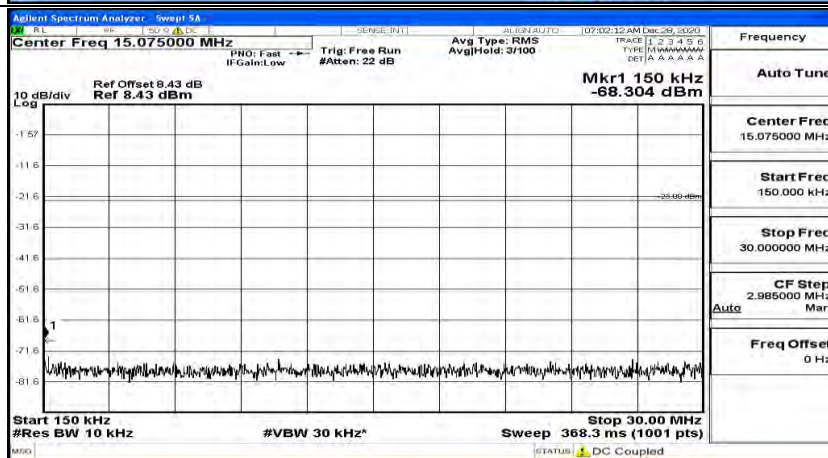| EBW & OBW Test Graph(s) (Channel Bandwidth: 10 MHz)_MCH_QPSK |
|---|
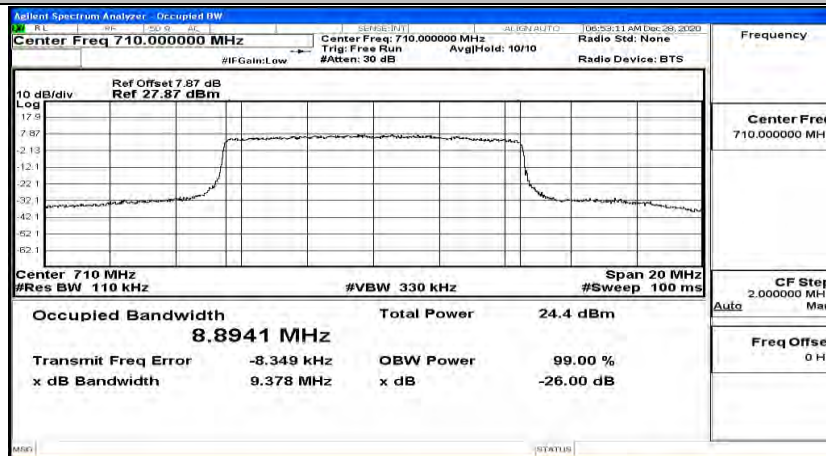
EBW & OBW Test Graph(s) (Channel Bandwidth: 10 MHz)_HCH_QPSK
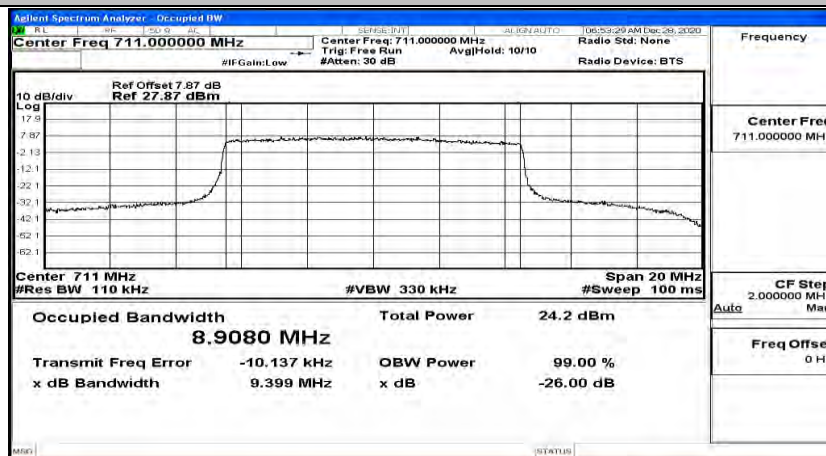
EBW & OBW Test Graph(s) (Channel Bandwidth: 10 MHz)_LCH_16QAM
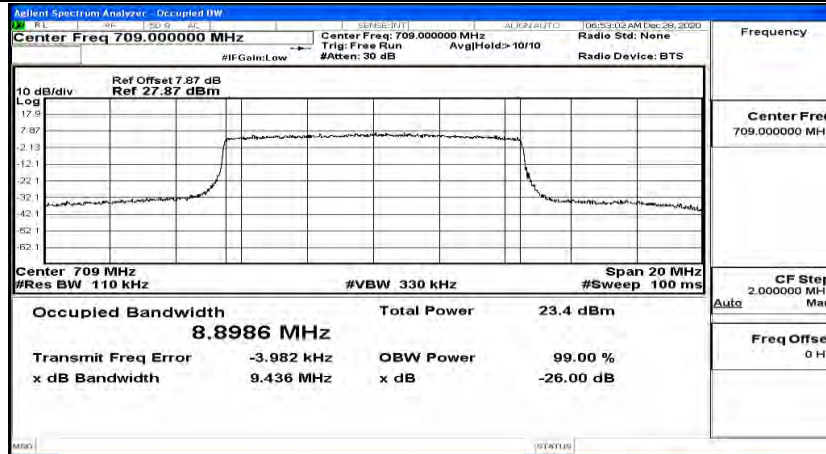
EBW & OBW Test Graph(s) (Channel Bandwidth: 10 MHz)_MCH_16QAM
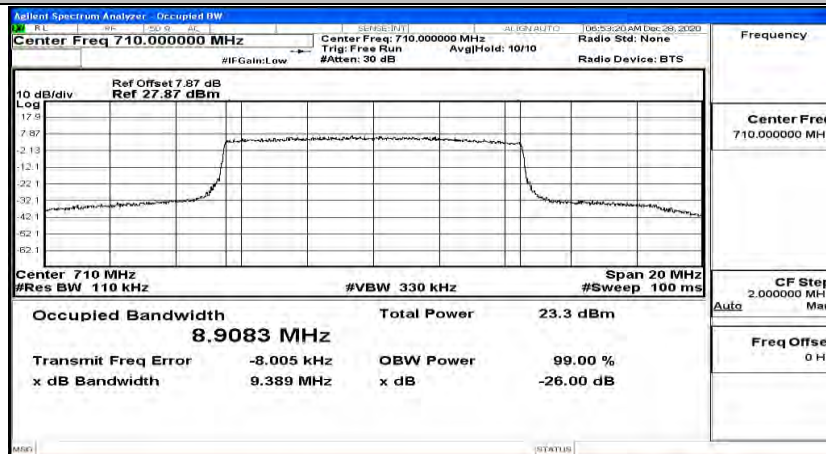
EBW & OBW Test Graph(s) (Channel Bandwidth: 10 MHz)_HCH_16QAM
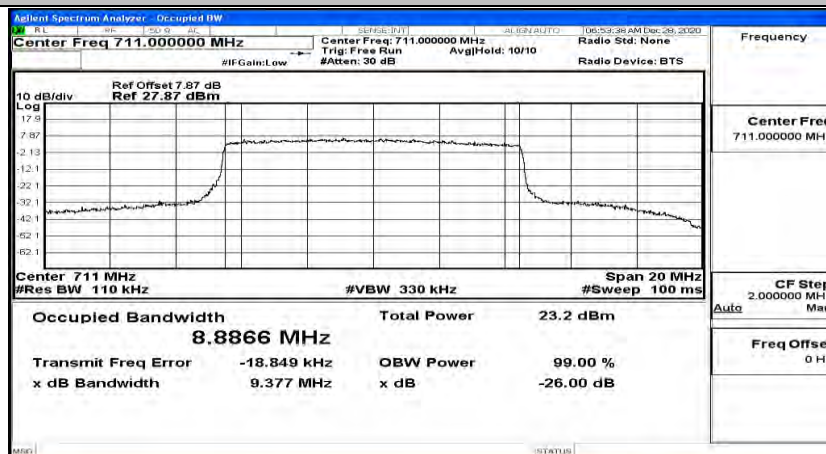
F.4 Band Edge

Band Edge Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_QPSK
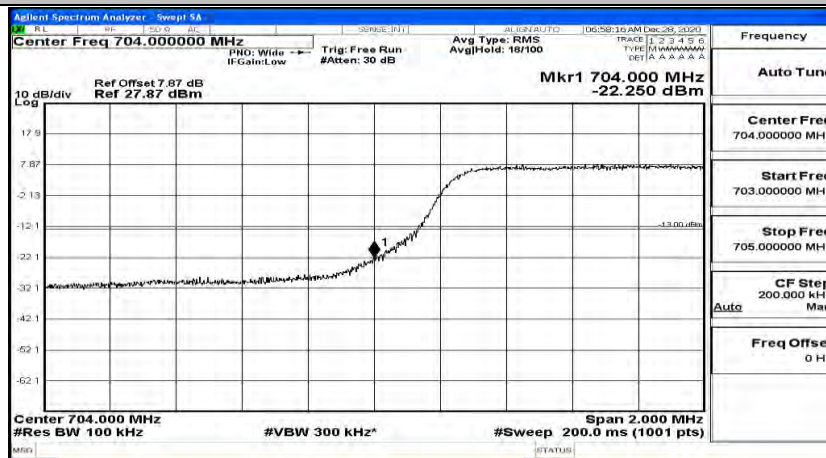
Band Edge Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_QPSK
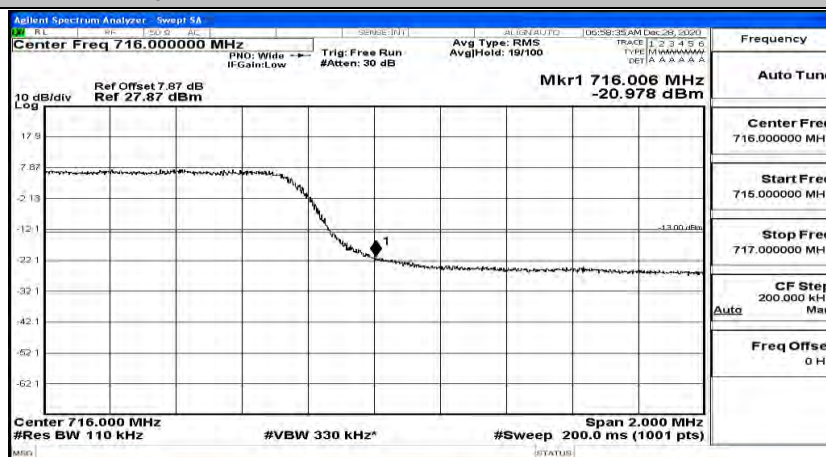
Band Edge Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_16QAM
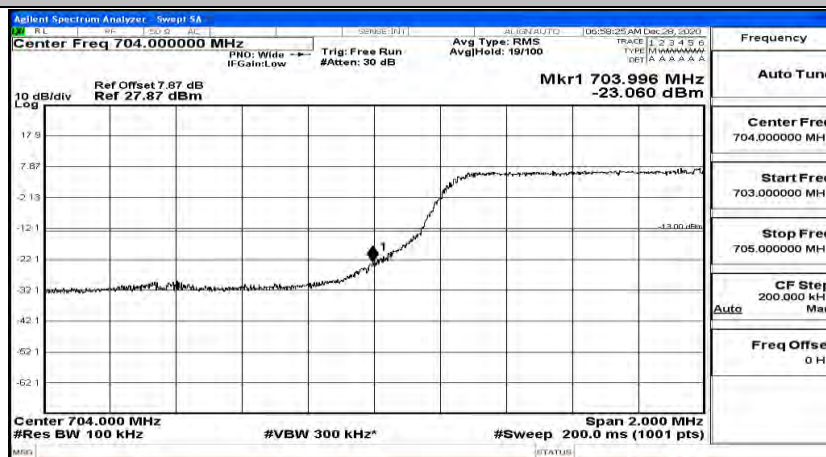
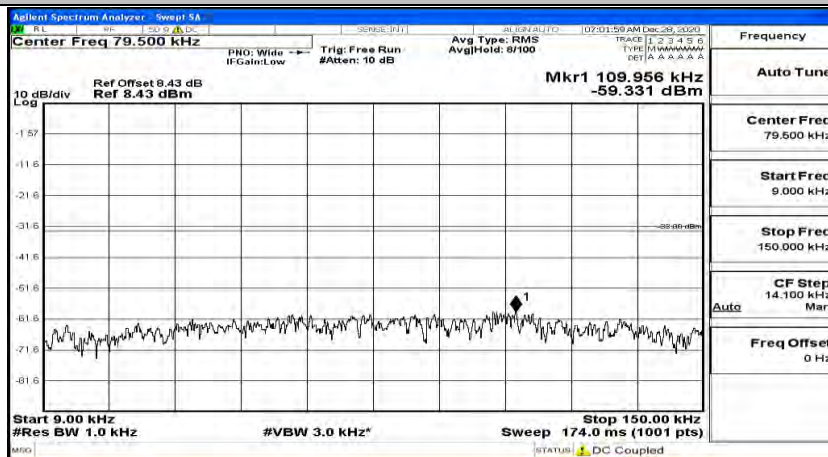| Band Edge Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_16QAM |
|---|
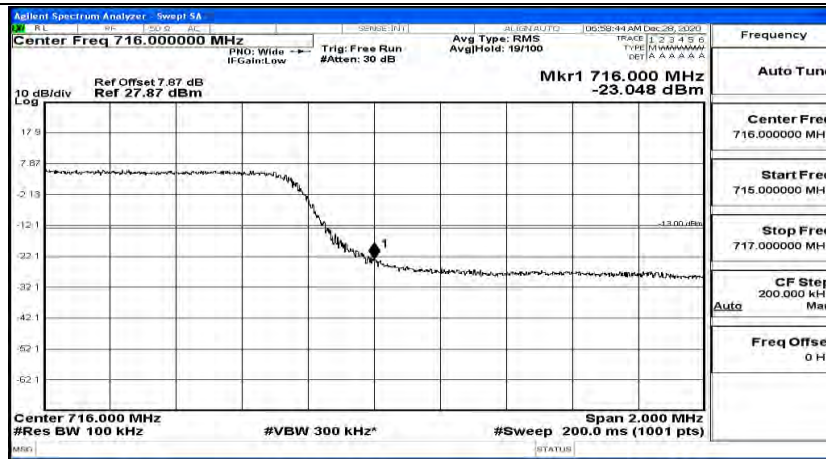
Band Edge Test Graph(s) (Channel Bandwidth: 10 MHz)_LCH_QPSK
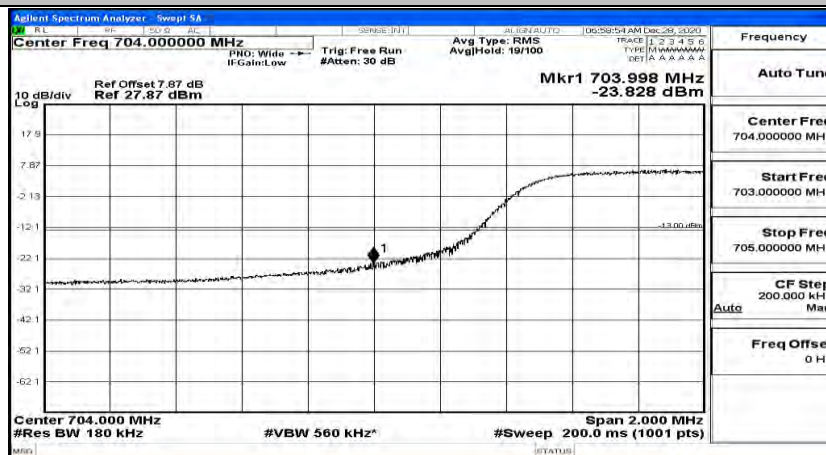
Band Edge Test Graph(s) (Channel Bandwidth: 10 MHz)_HCH_QPSK
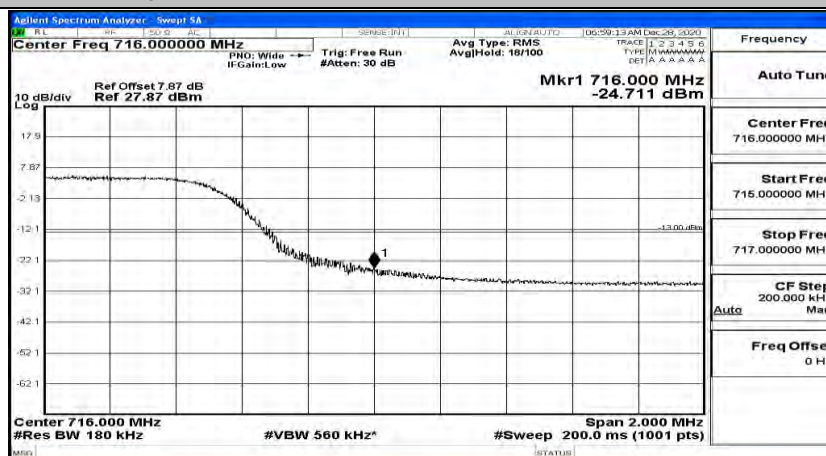
Band Edge Test Graph(s) (Channel Bandwidth: 10 MHz)_LCH_16QAM
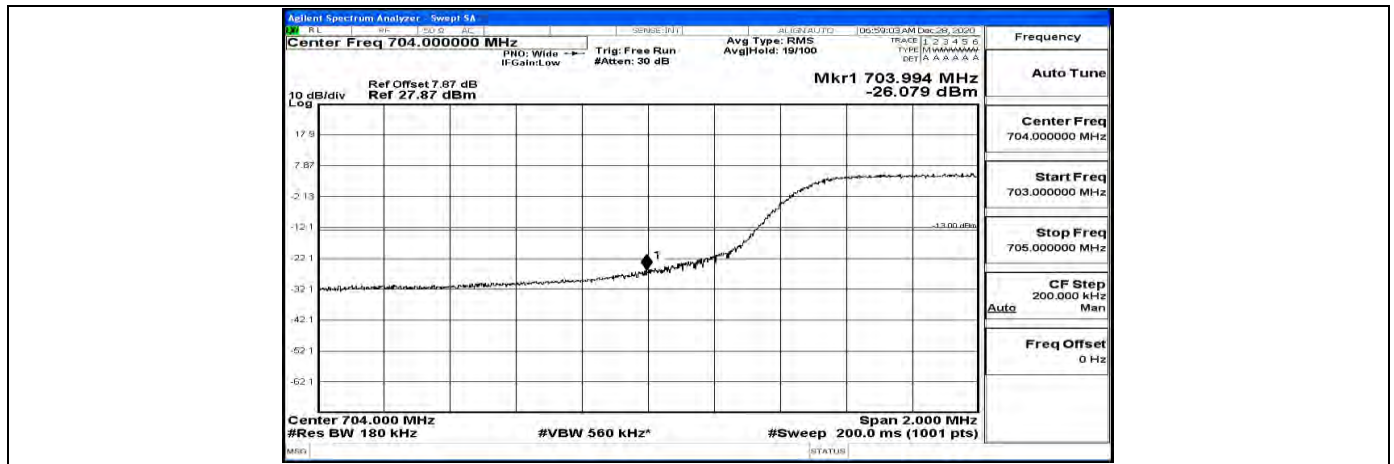
Band Edge Test Graph(s) (Channel Bandwidth: 10 MHz)_HCH_16QAM
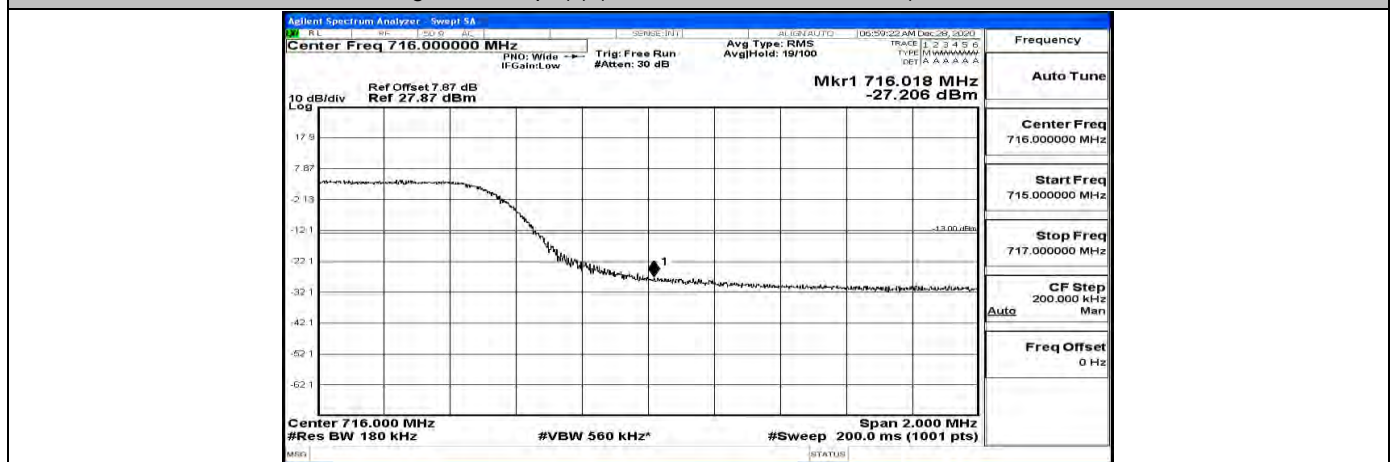
F.5 Conducted Spurious Emission

Channel Bandwidth: 5 MHz

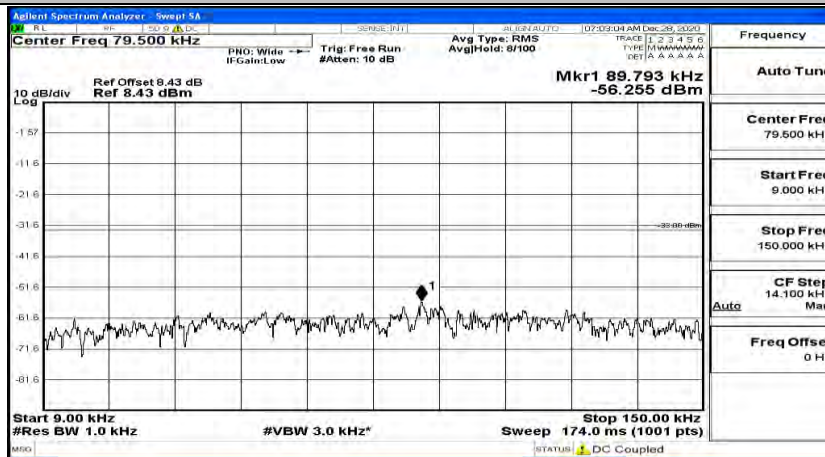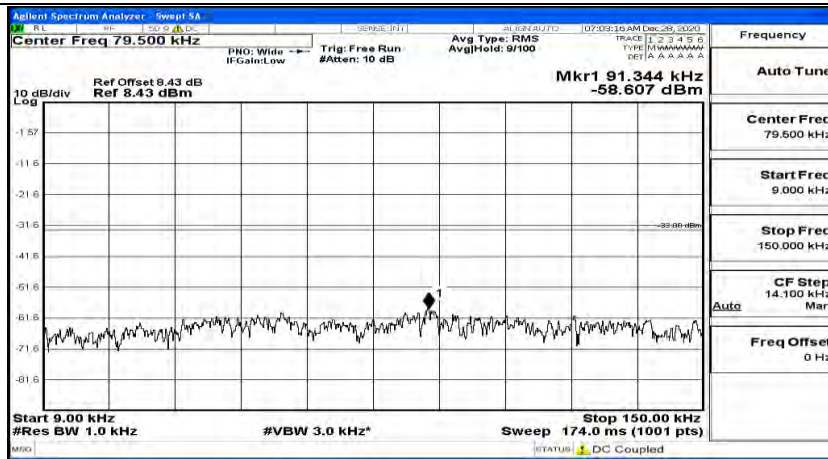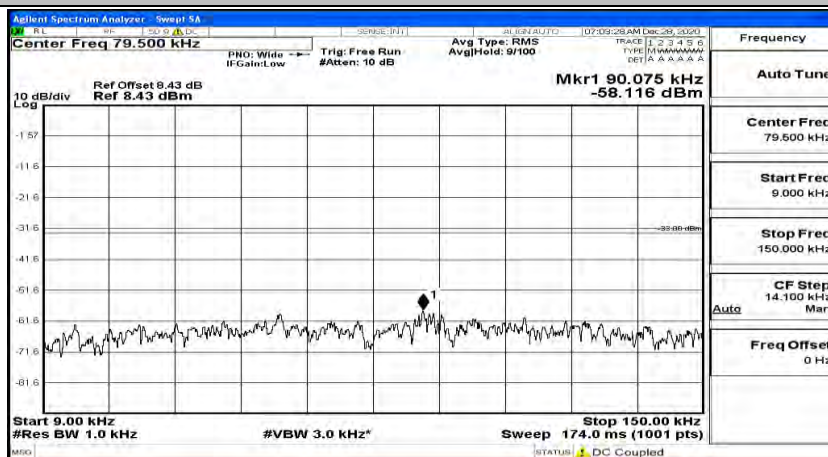| (Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#0 |
|:---:|
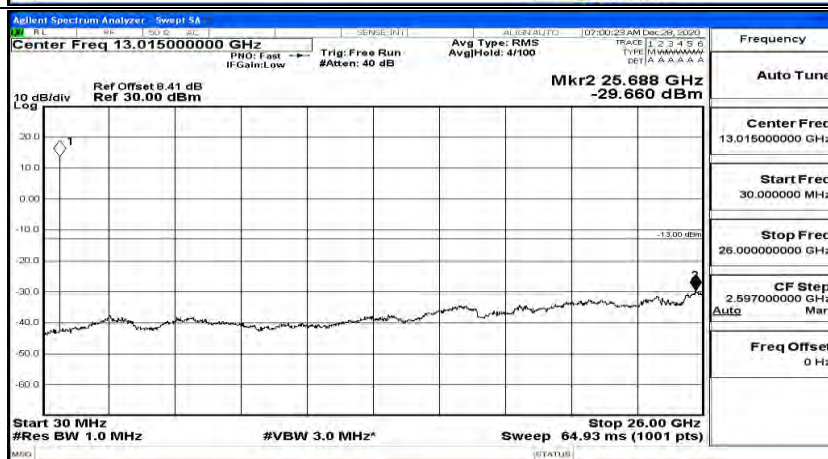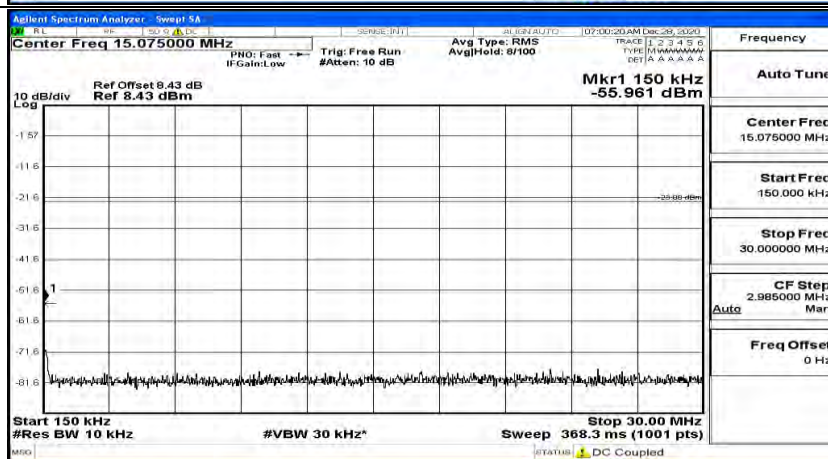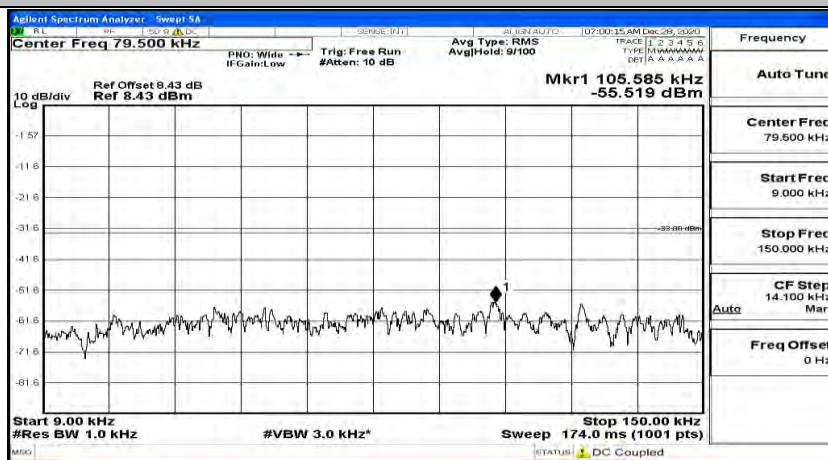
(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#12
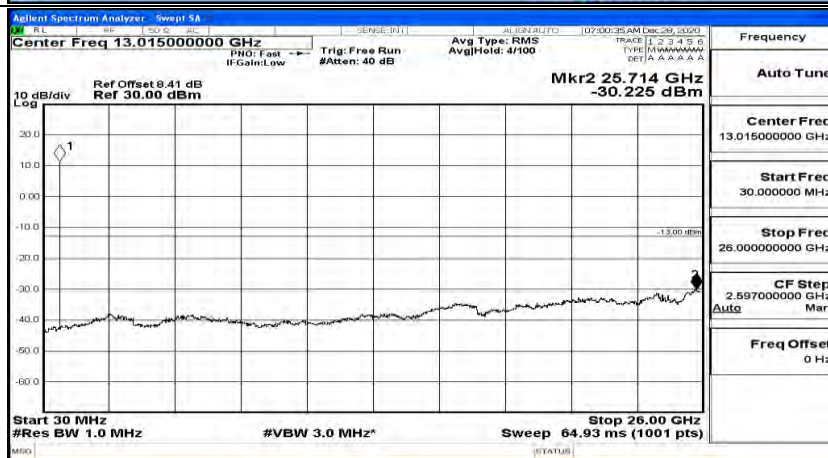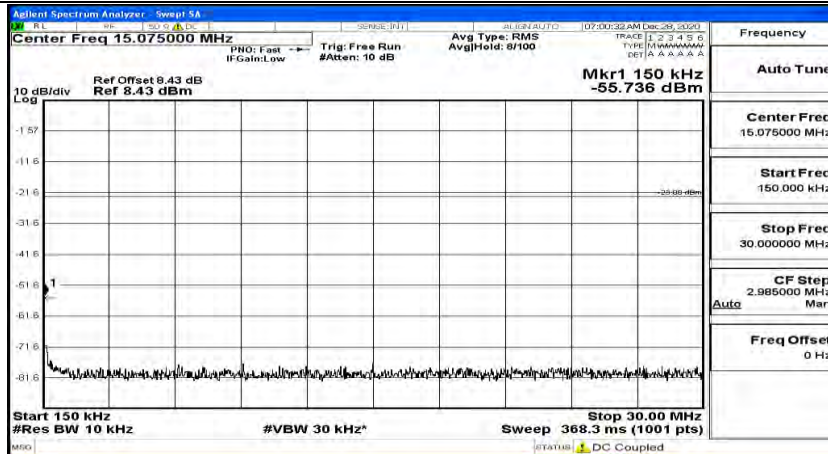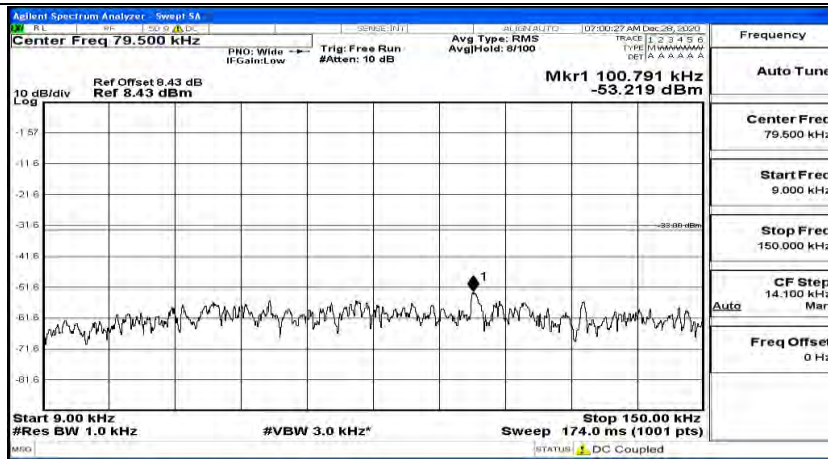
(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#24
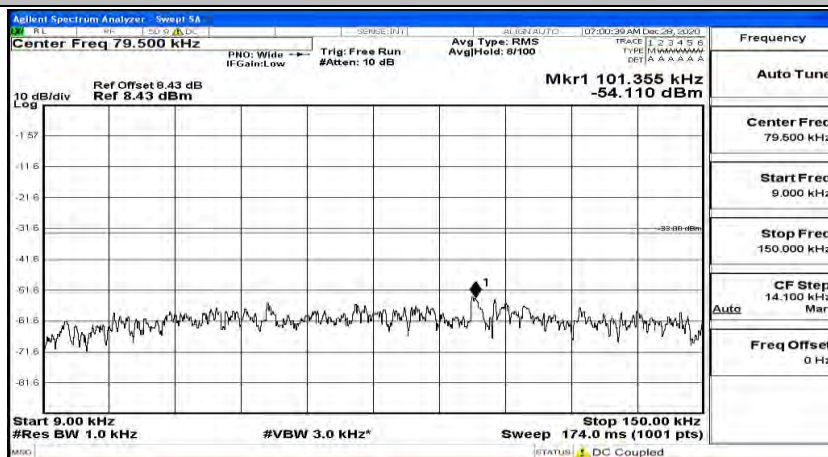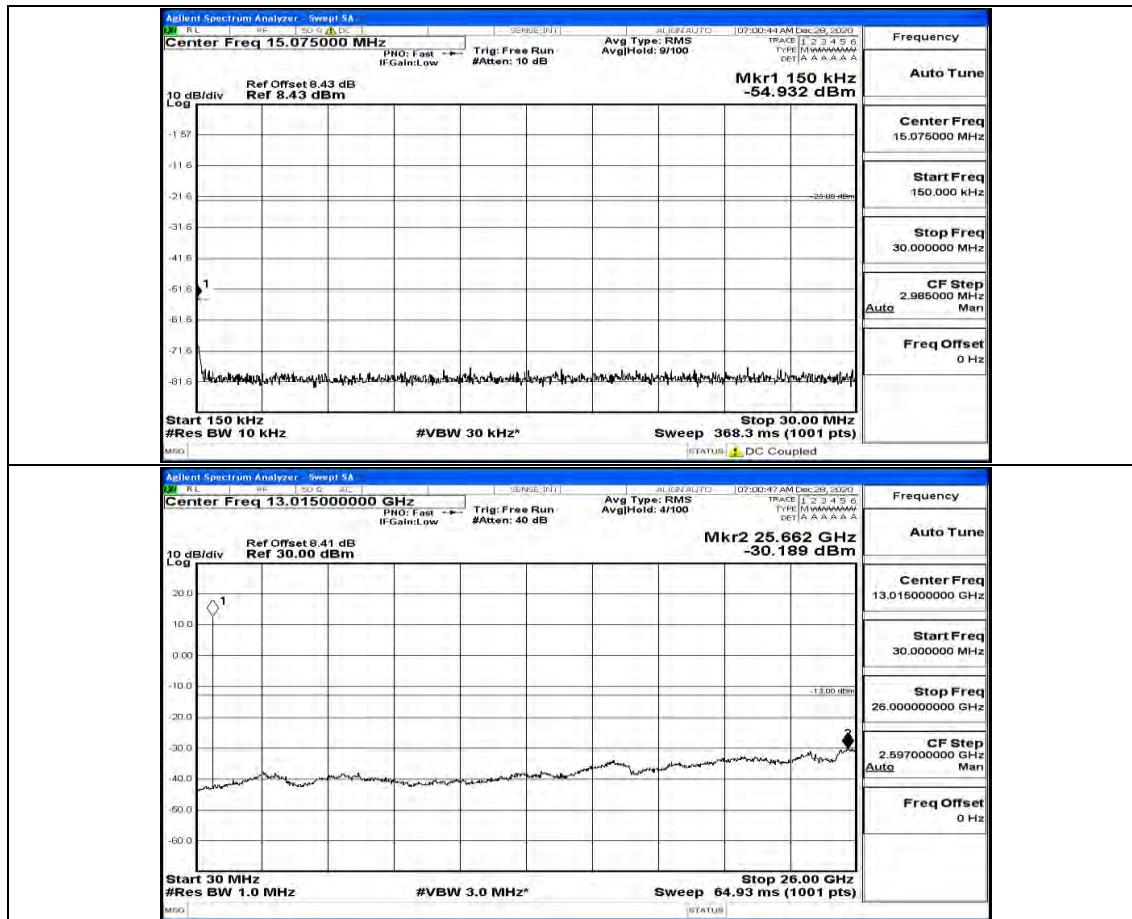
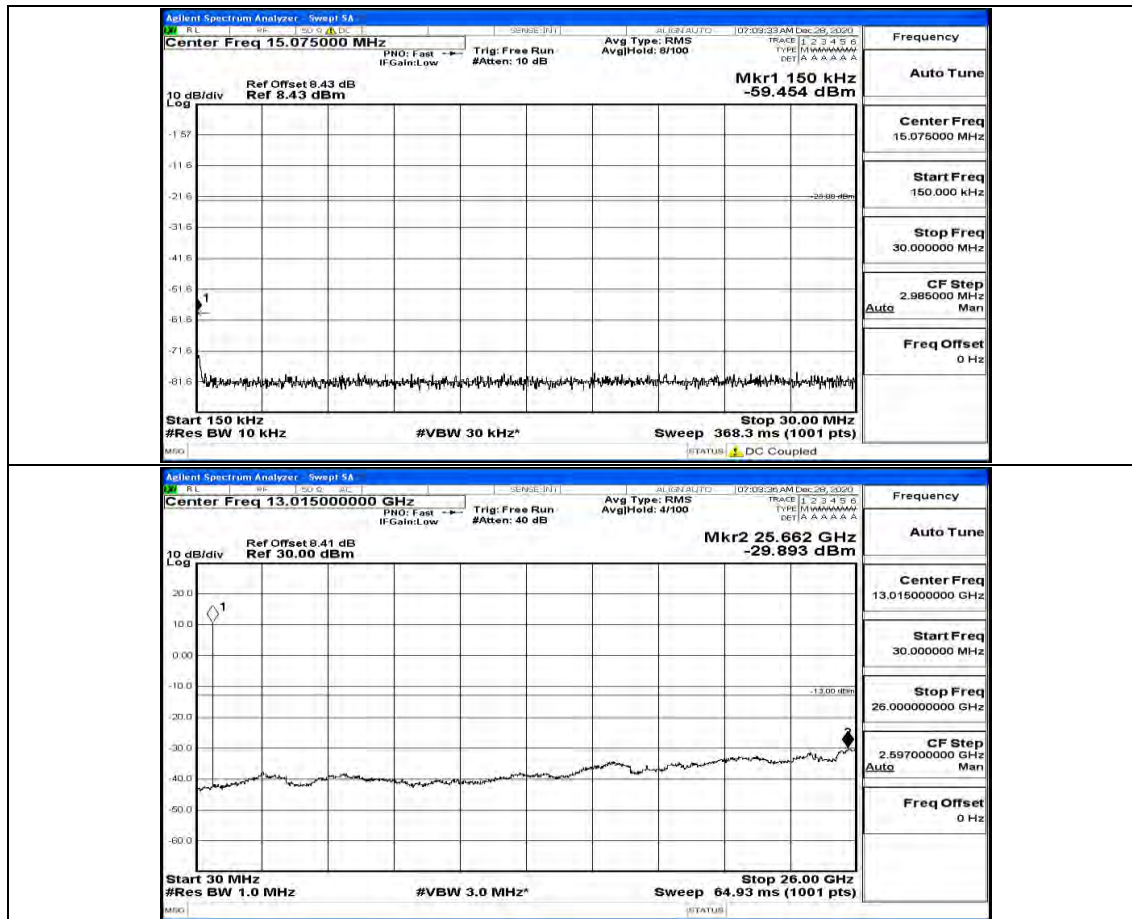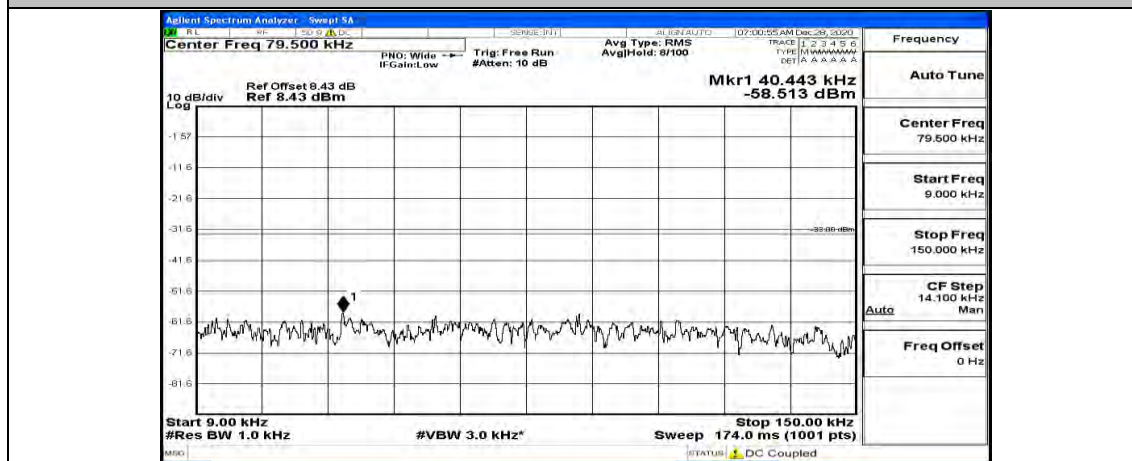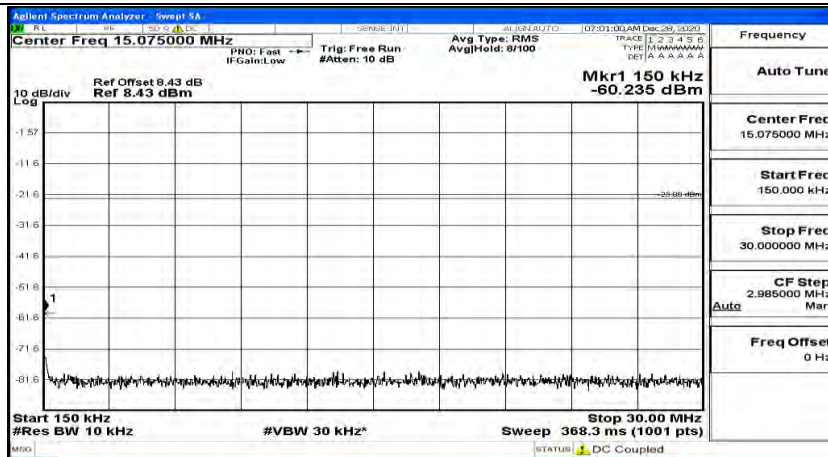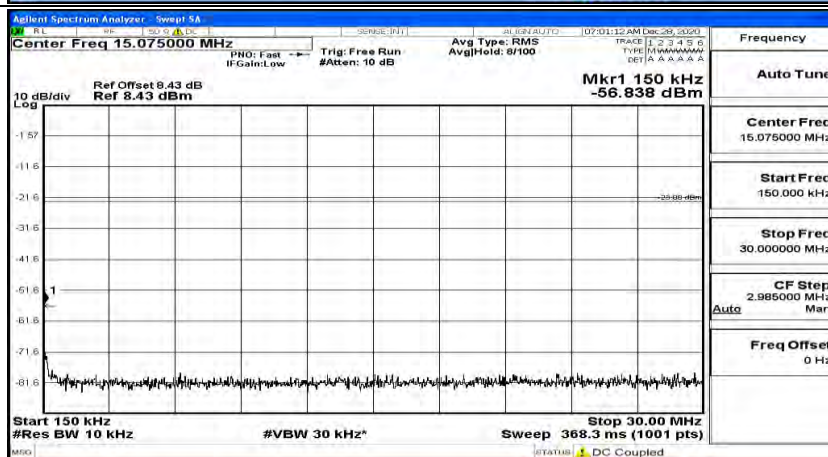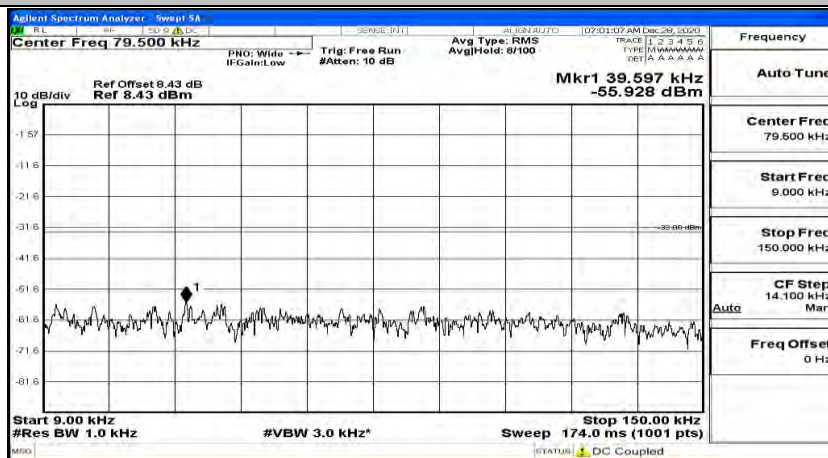| (Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#0 |
|---|

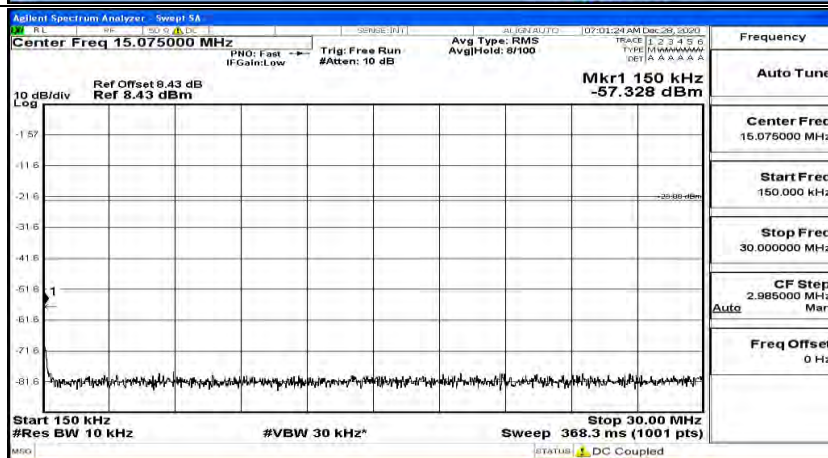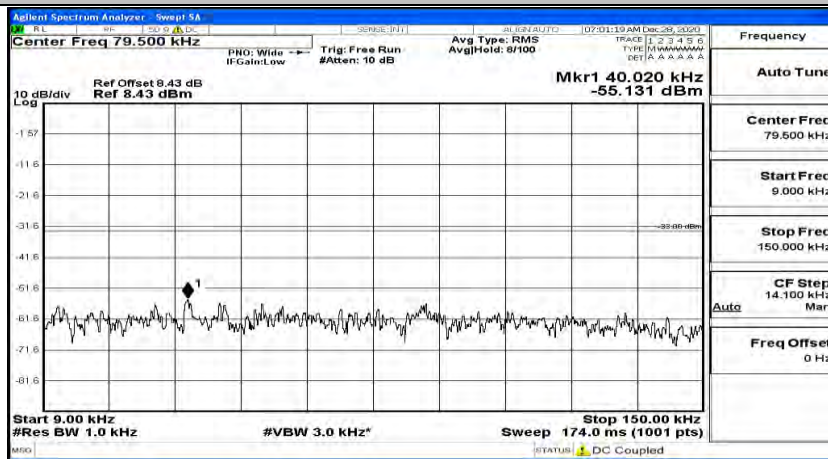*This report shall not be reproduced except in full, without the written approval of Shenzhen LCS Compliance Testing Laboratory Ltd.*

Page 19 of 46

(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#12

This report shall not be reproduced except in full, without the written approval of Shenzhen LCS Compliance Testing Laboratory Ltd.

Page 20 of 46
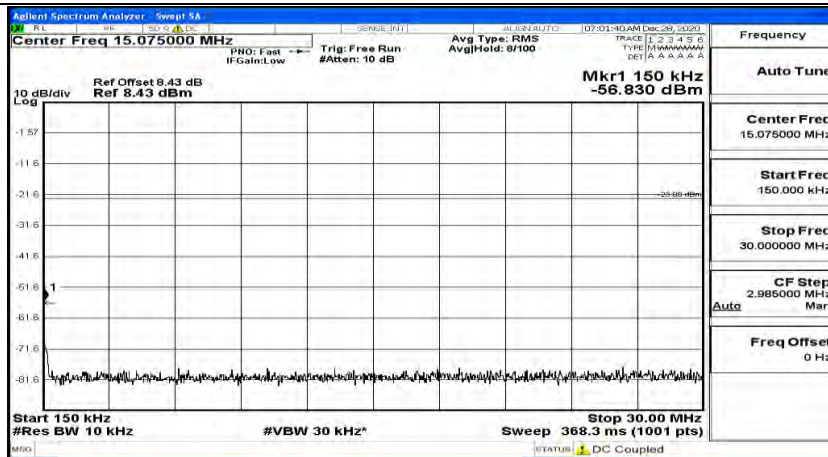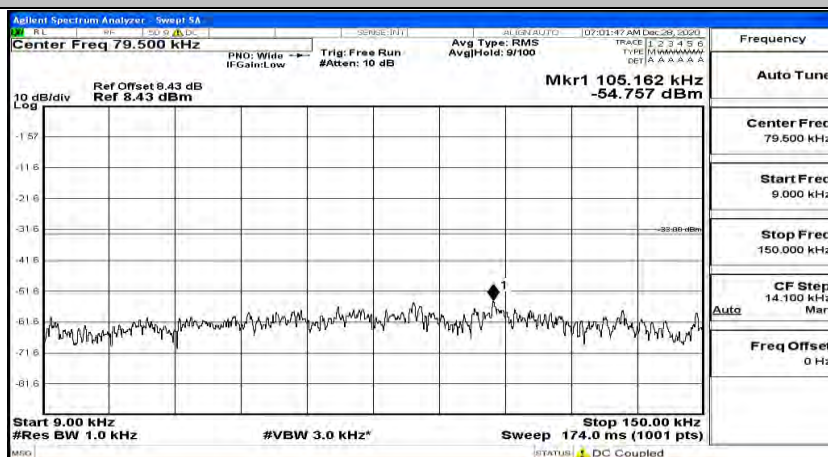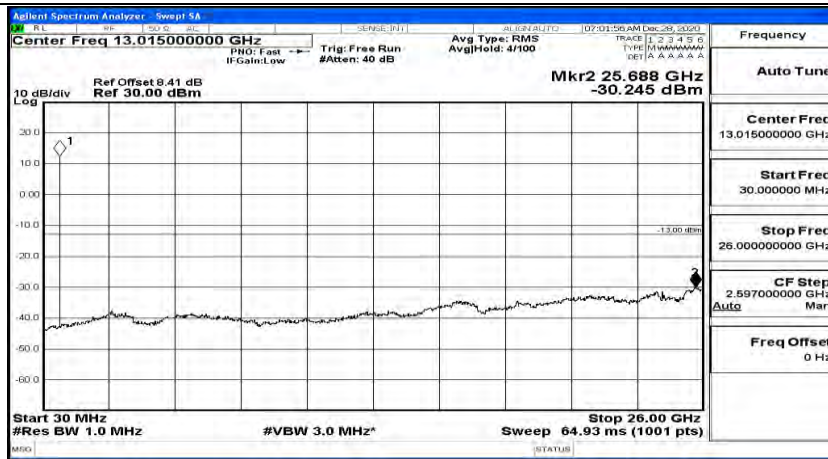
(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#24

(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#0
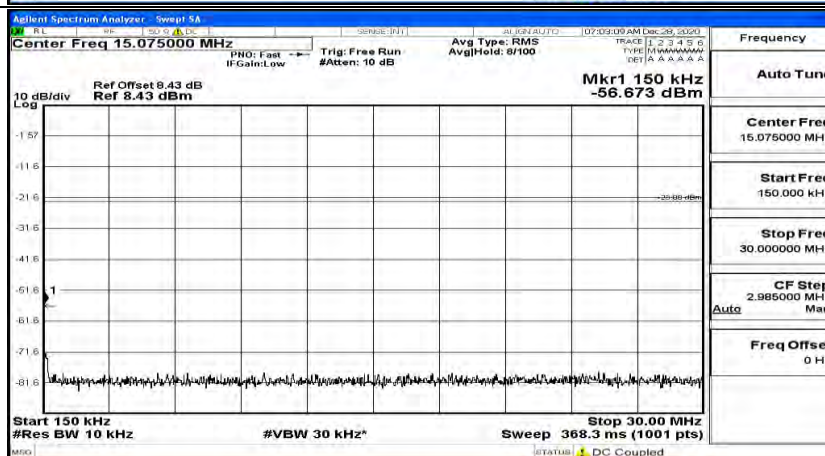
(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#12

(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#24

This report shall not be reproduced except in full, without the written approval of Shenzhen LCS Compliance Testing Laboratory Ltd.

Page 23 of 46
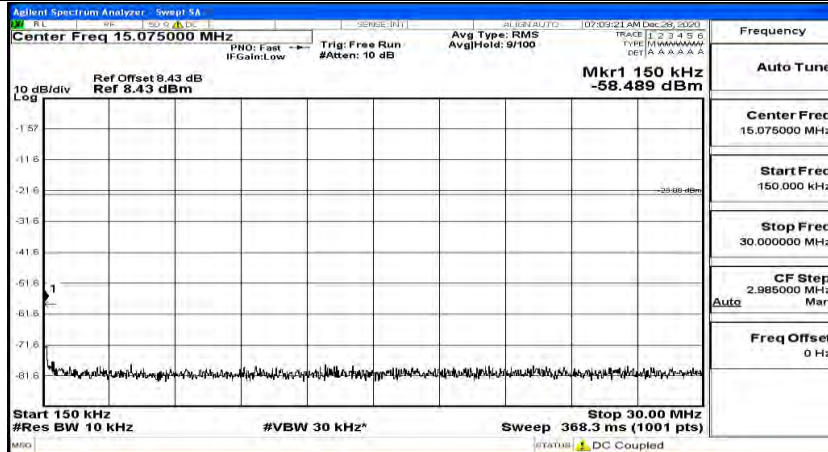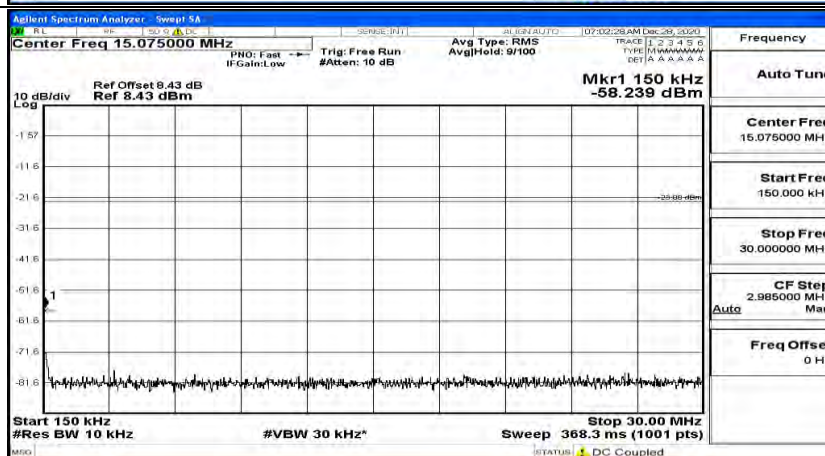
(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#0
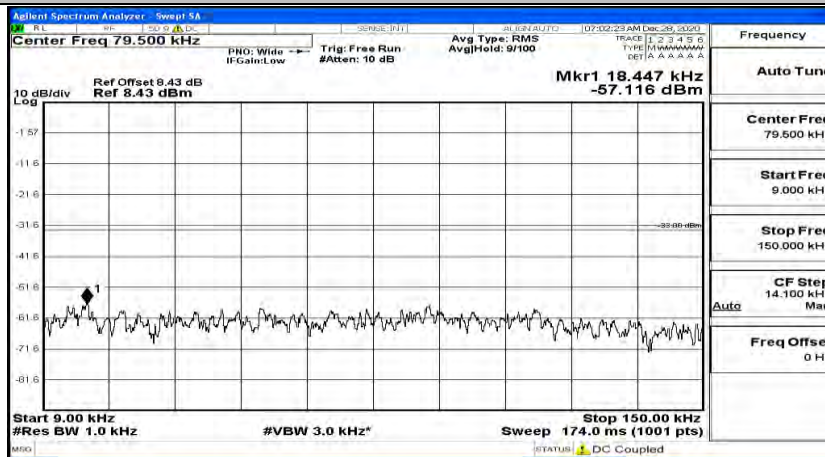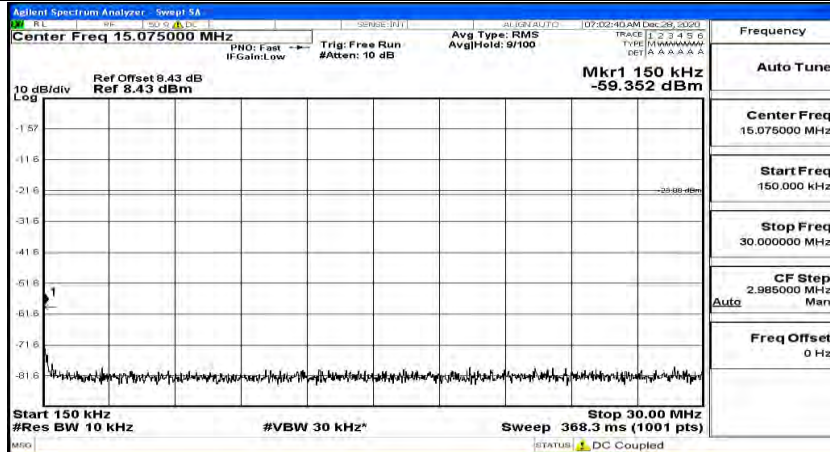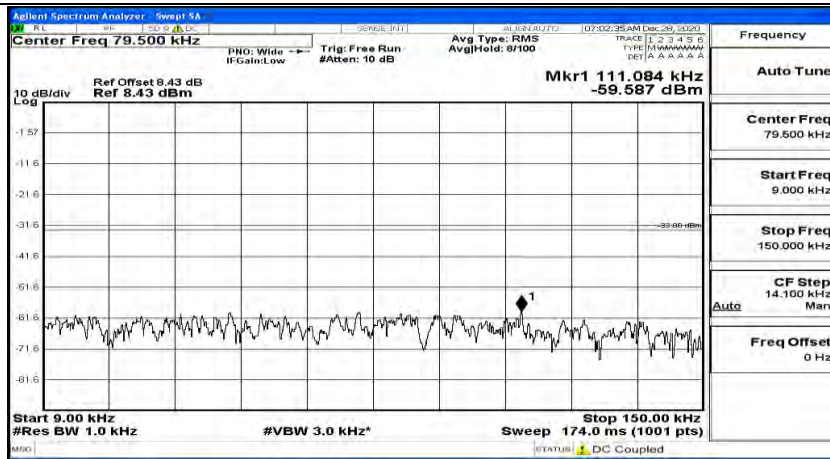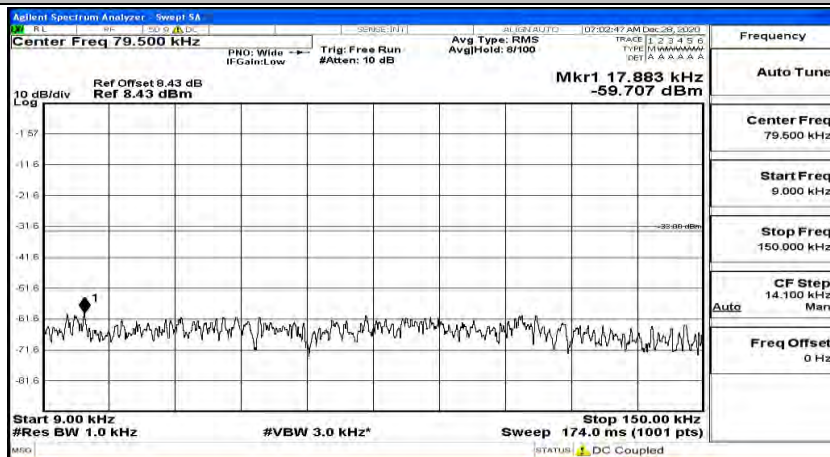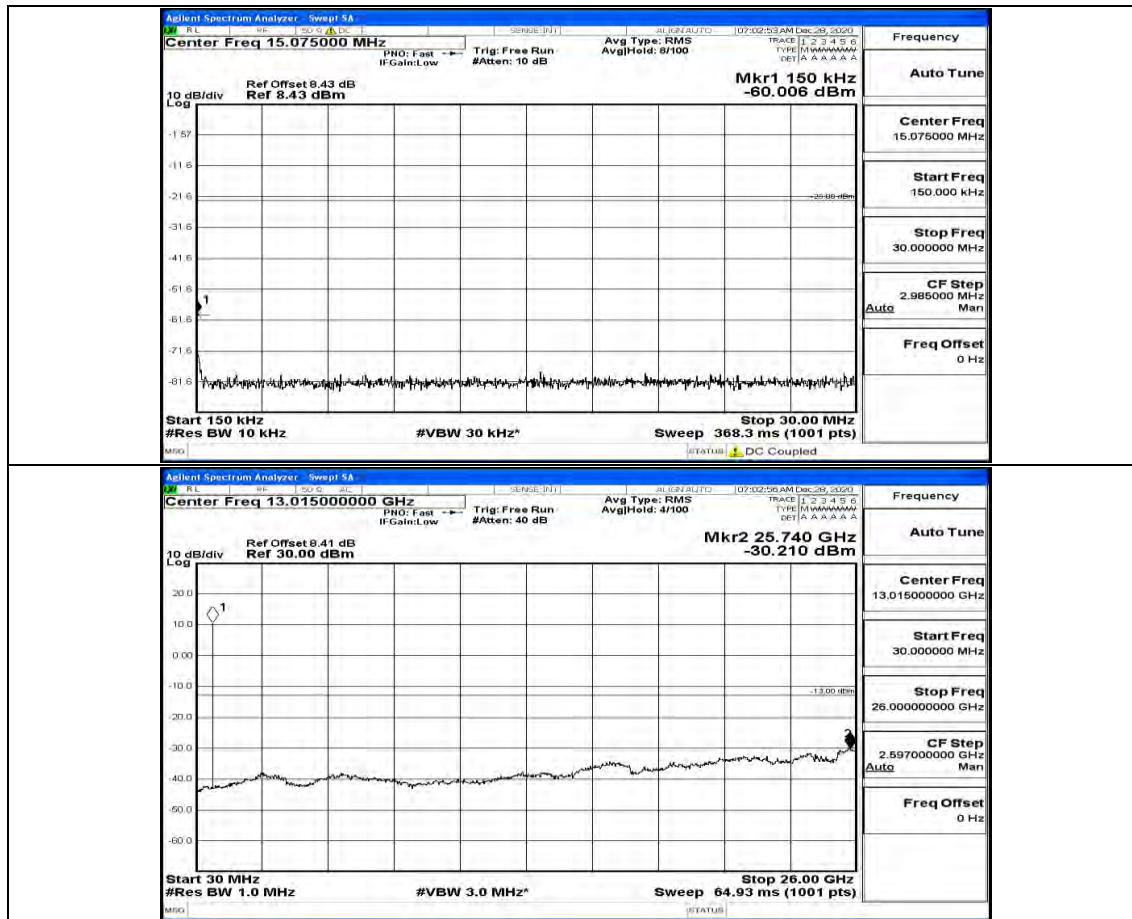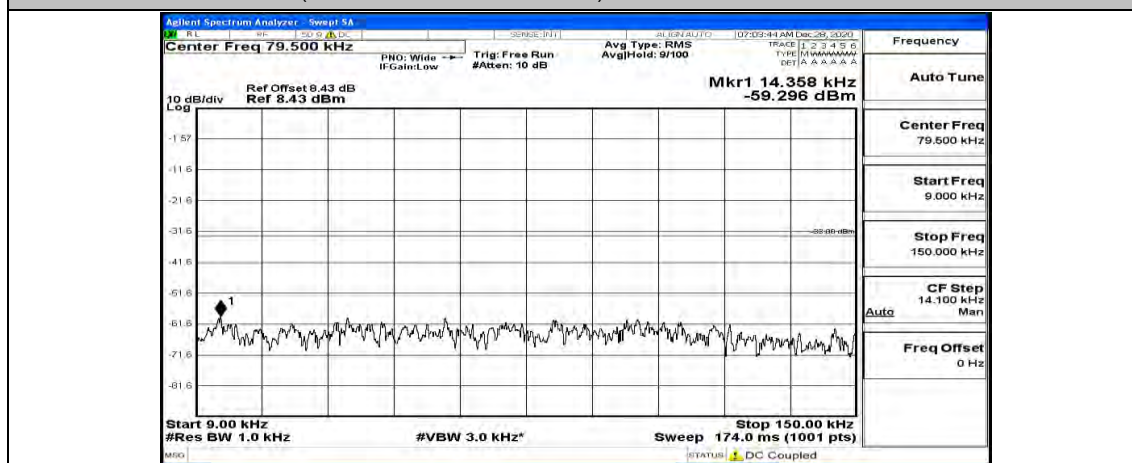
(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#12
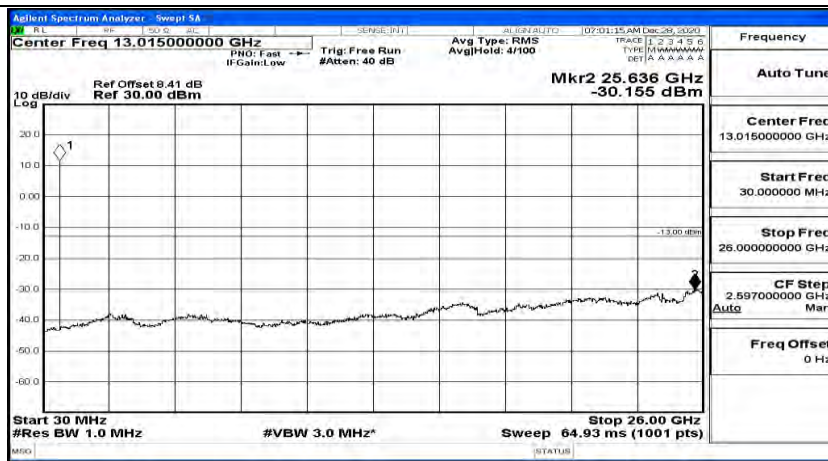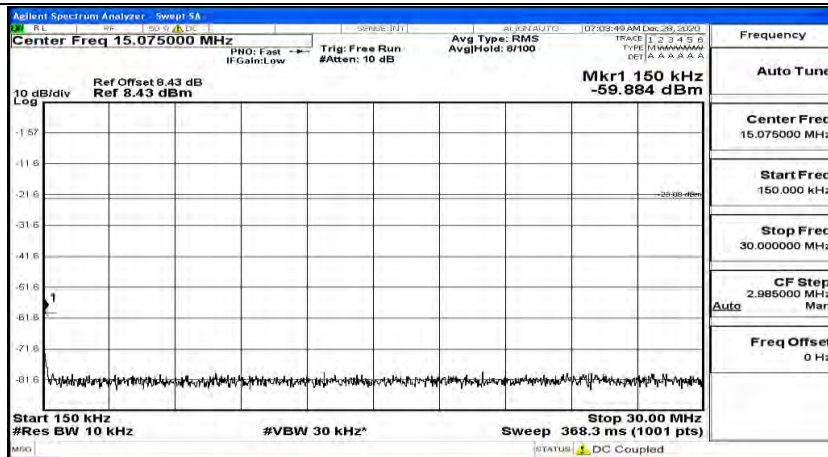
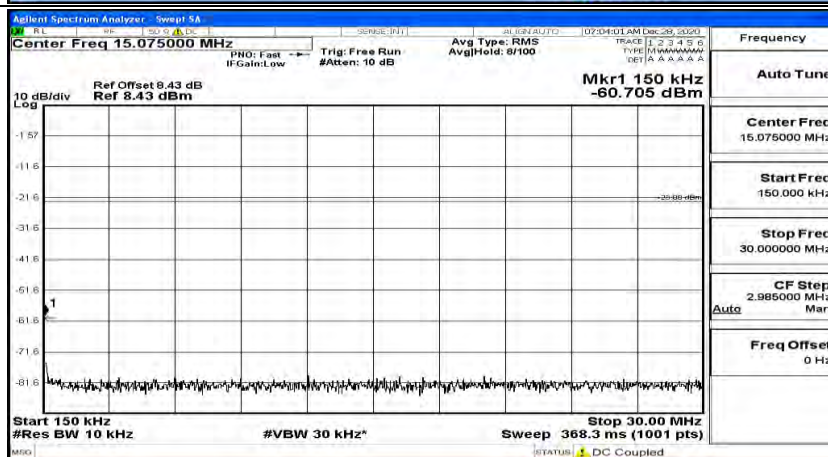(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#24

(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#0

(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#12

This report shall not be reproduced except in full, without the written approval of Shenzhen LCS Compliance Testing Laboratory Ltd.

Page 27 of 46

(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#24

This report shall not be reproduced except in full, without the written approval of Shenzhen LCS Compliance Testing Laboratory Ltd.
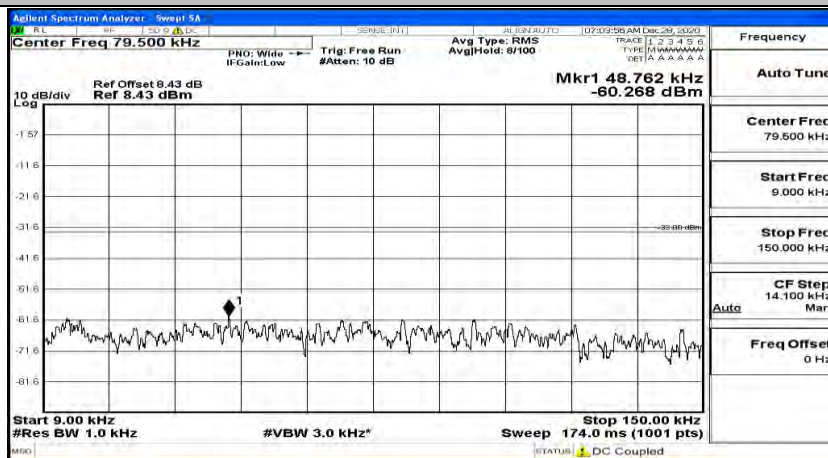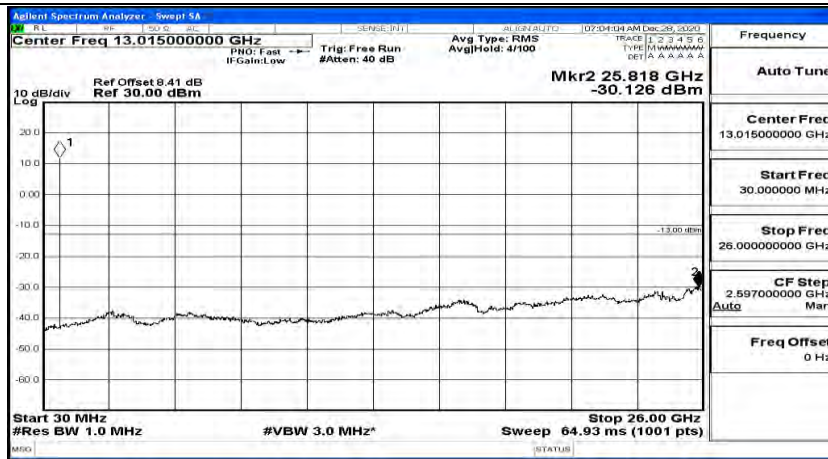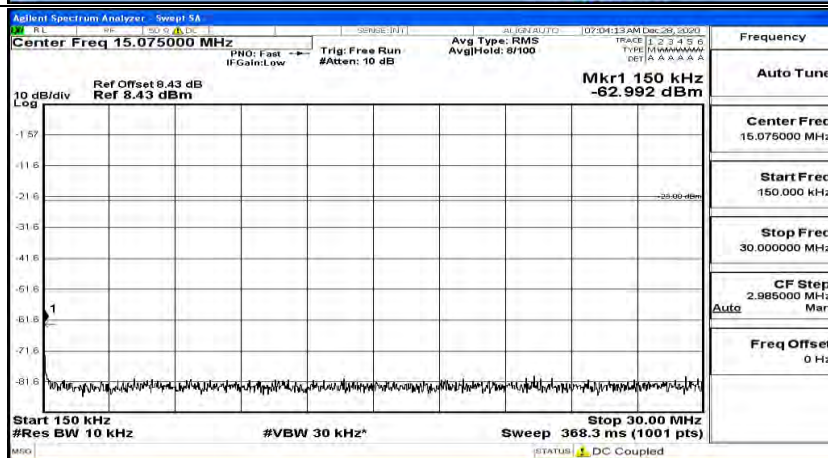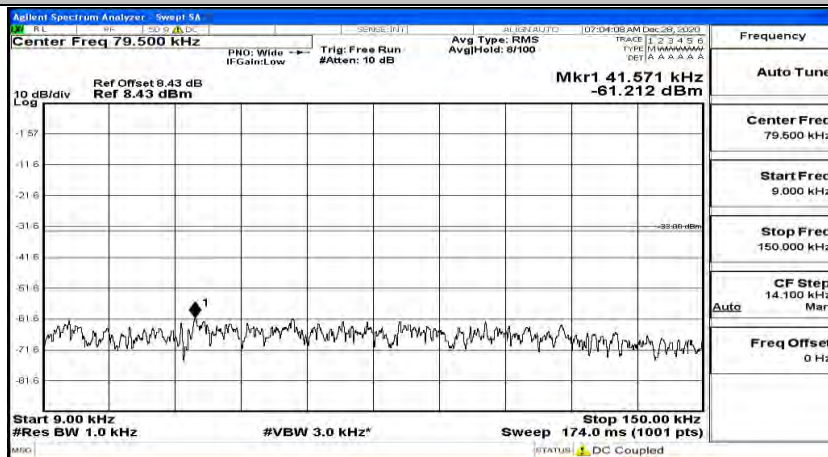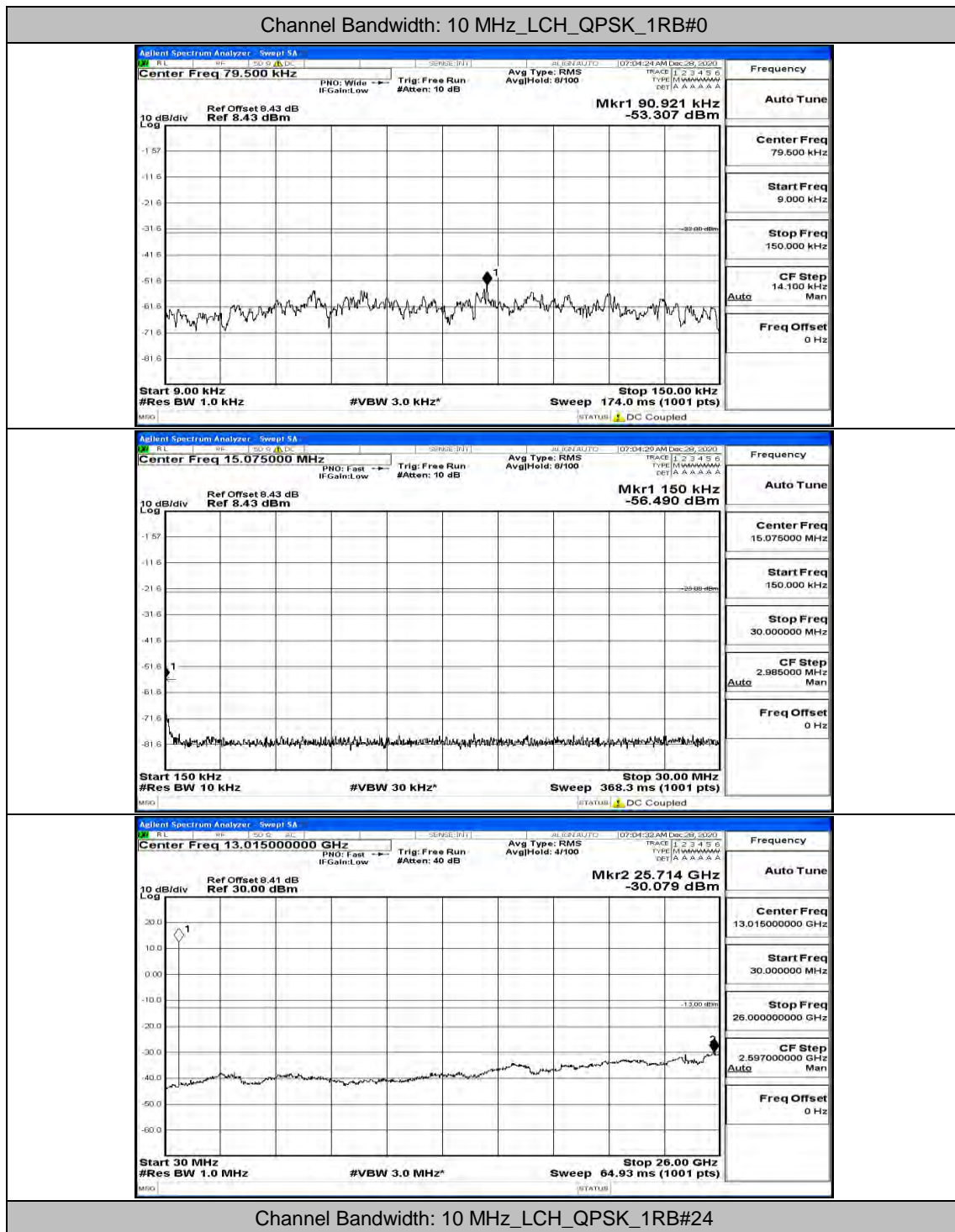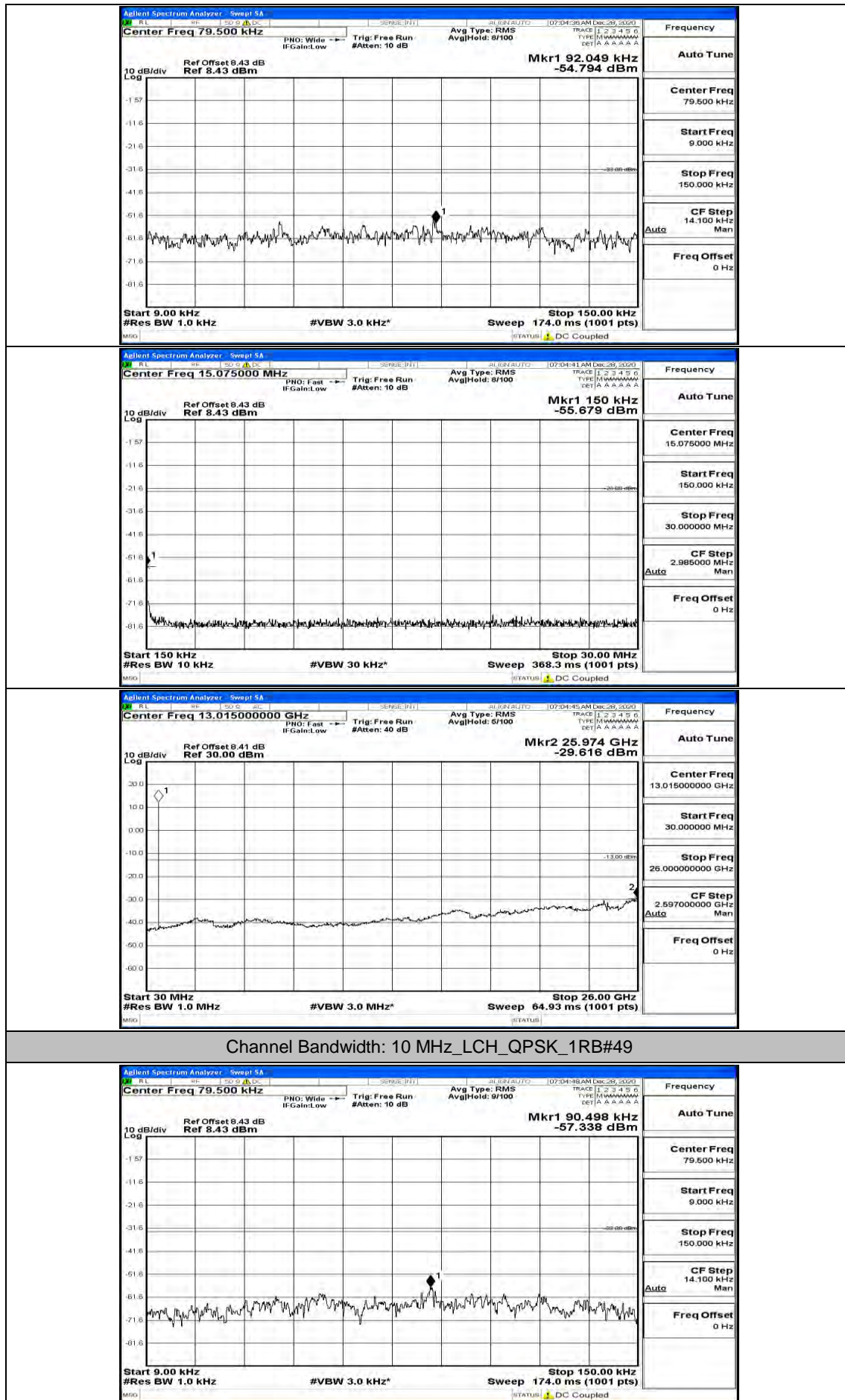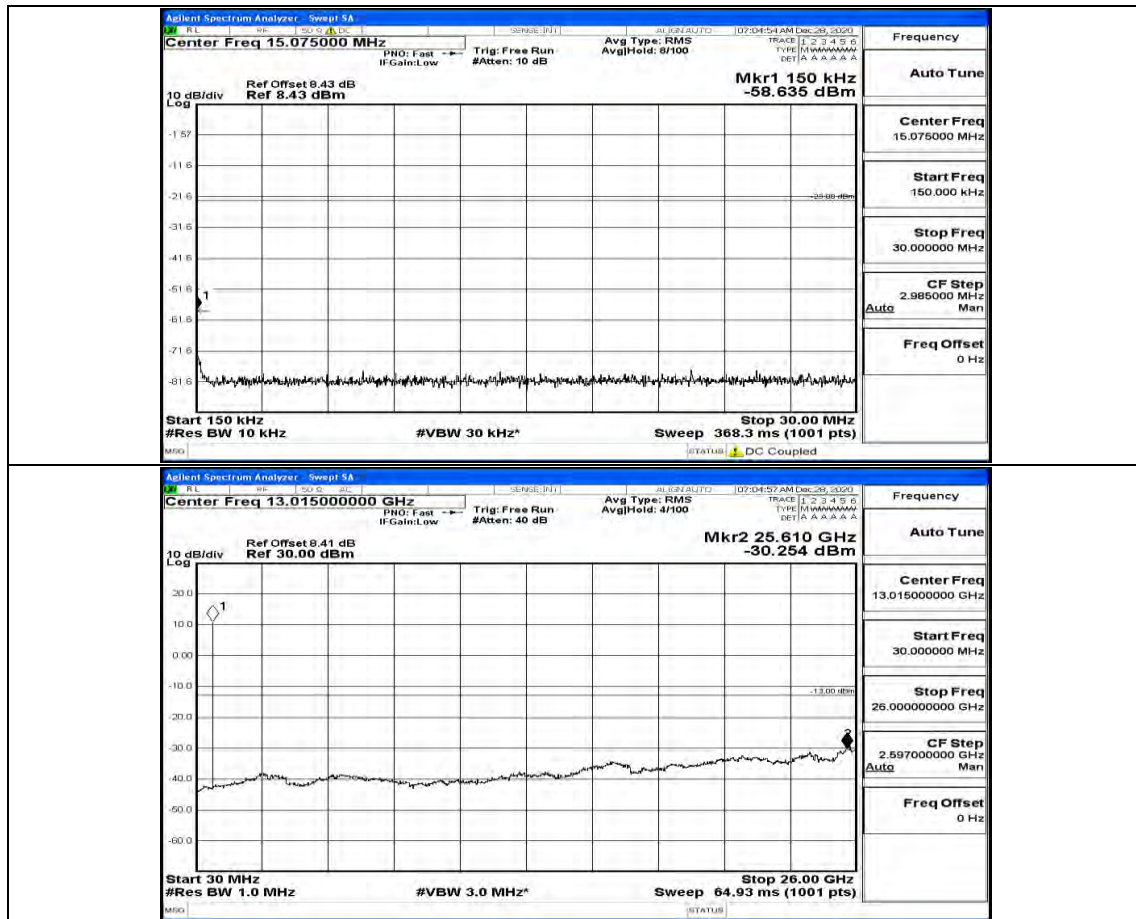
Page 28 of 46

(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: 10 MHz

Channel Bandwidth: 10 MHz_LCH_QPSK_1RB#0

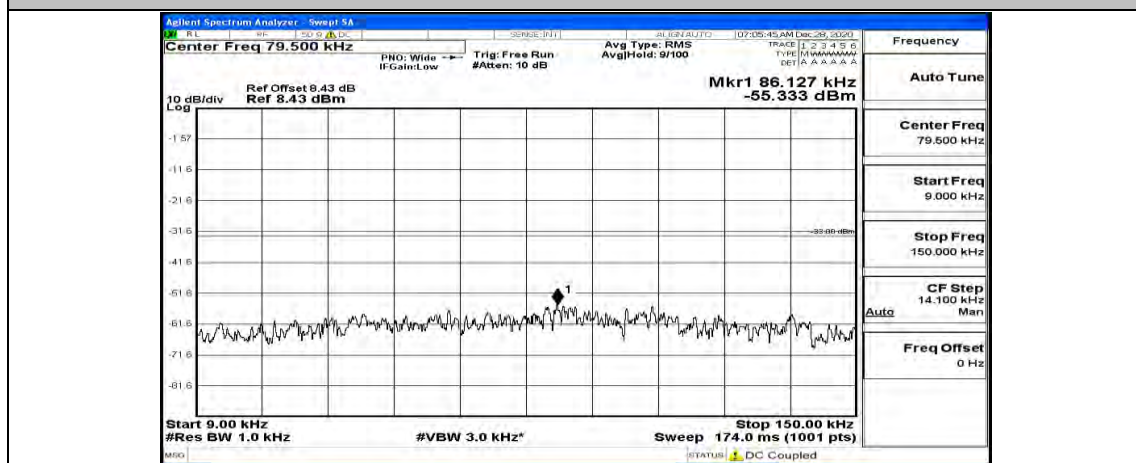| Channel Bandwidth: 10 MHz_LCH_QPSK_1RB#24 |
|---|

Channel Bandwidth: 10 MHz_LCH_QPSK_1RB#49

Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#0

Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#24

Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#49
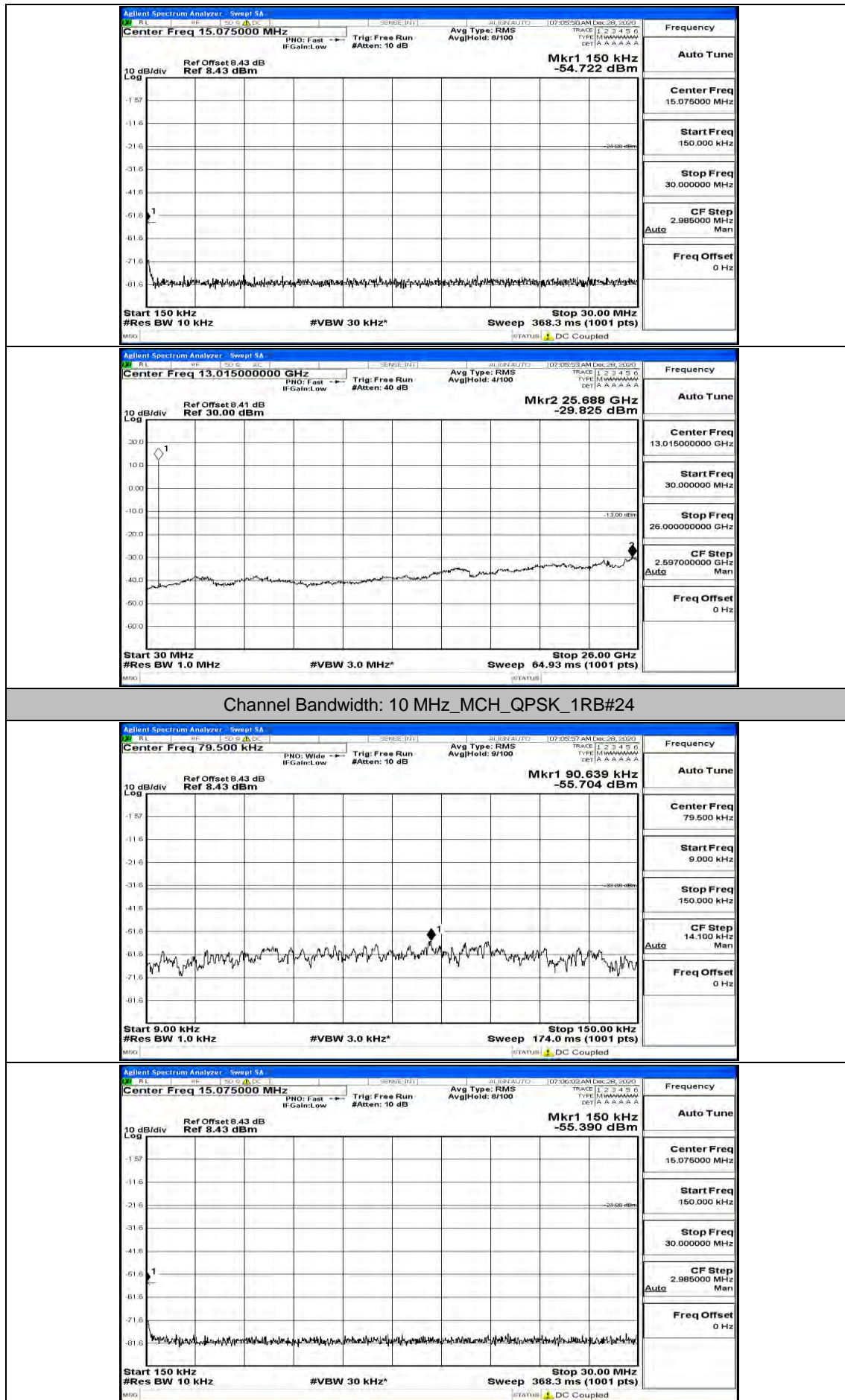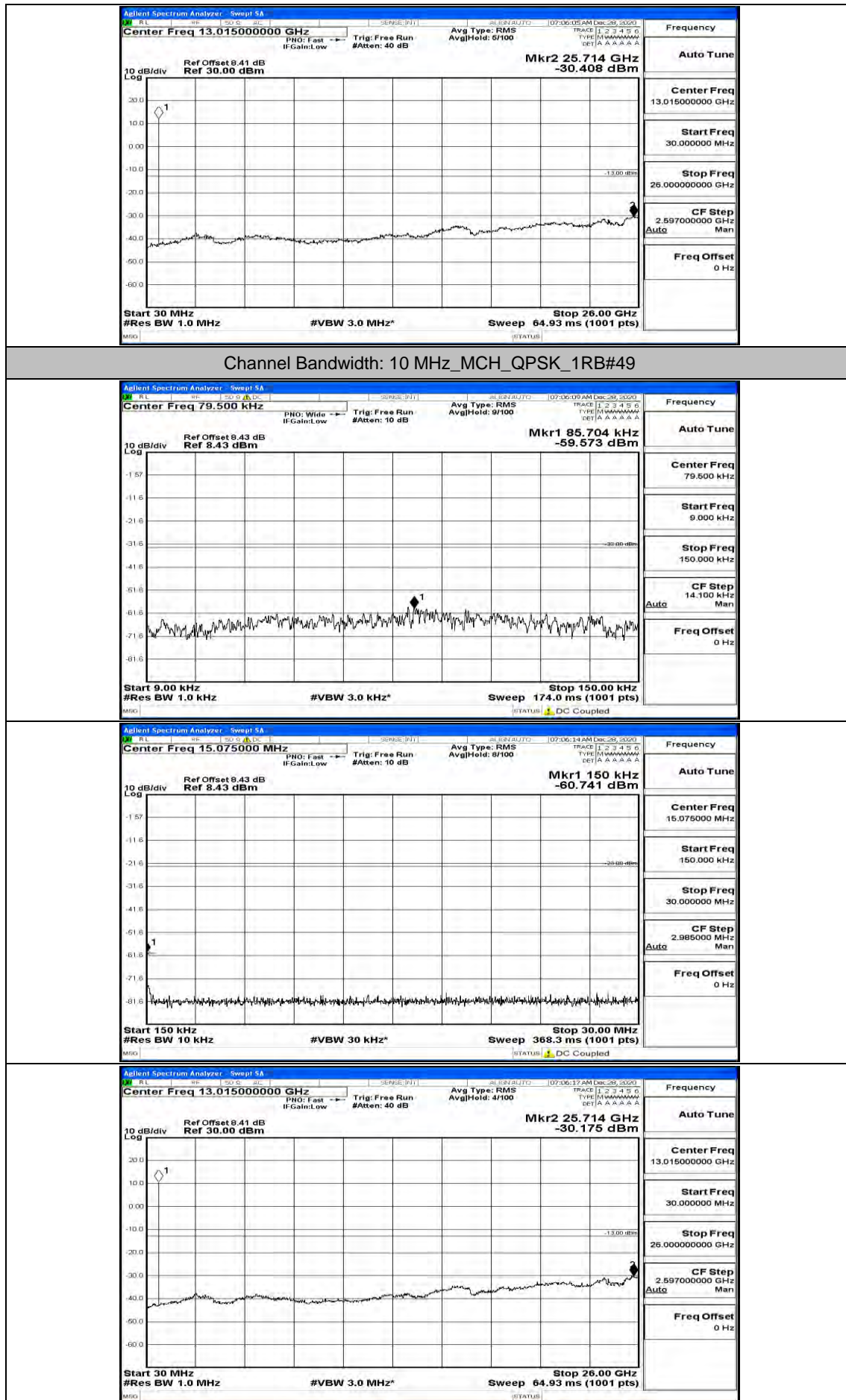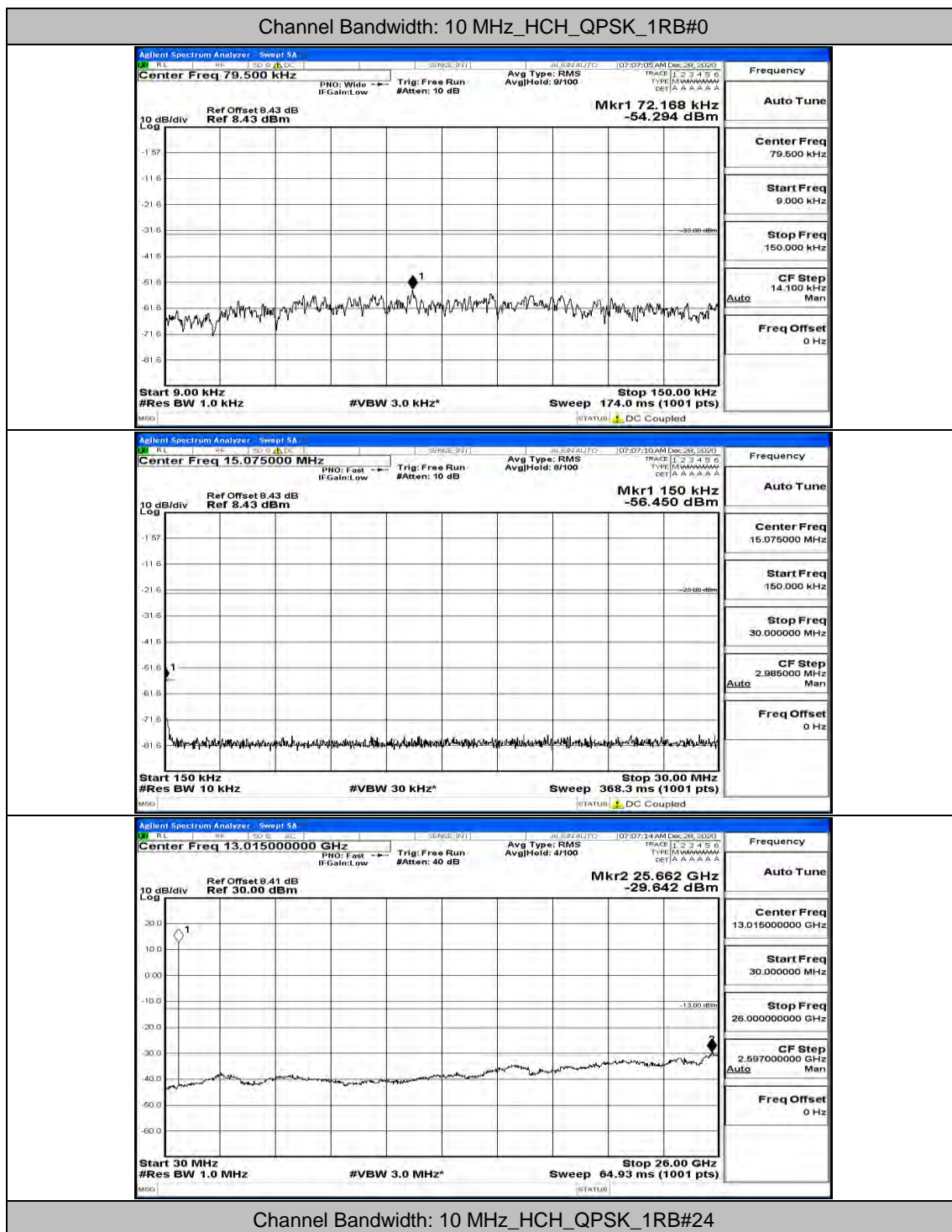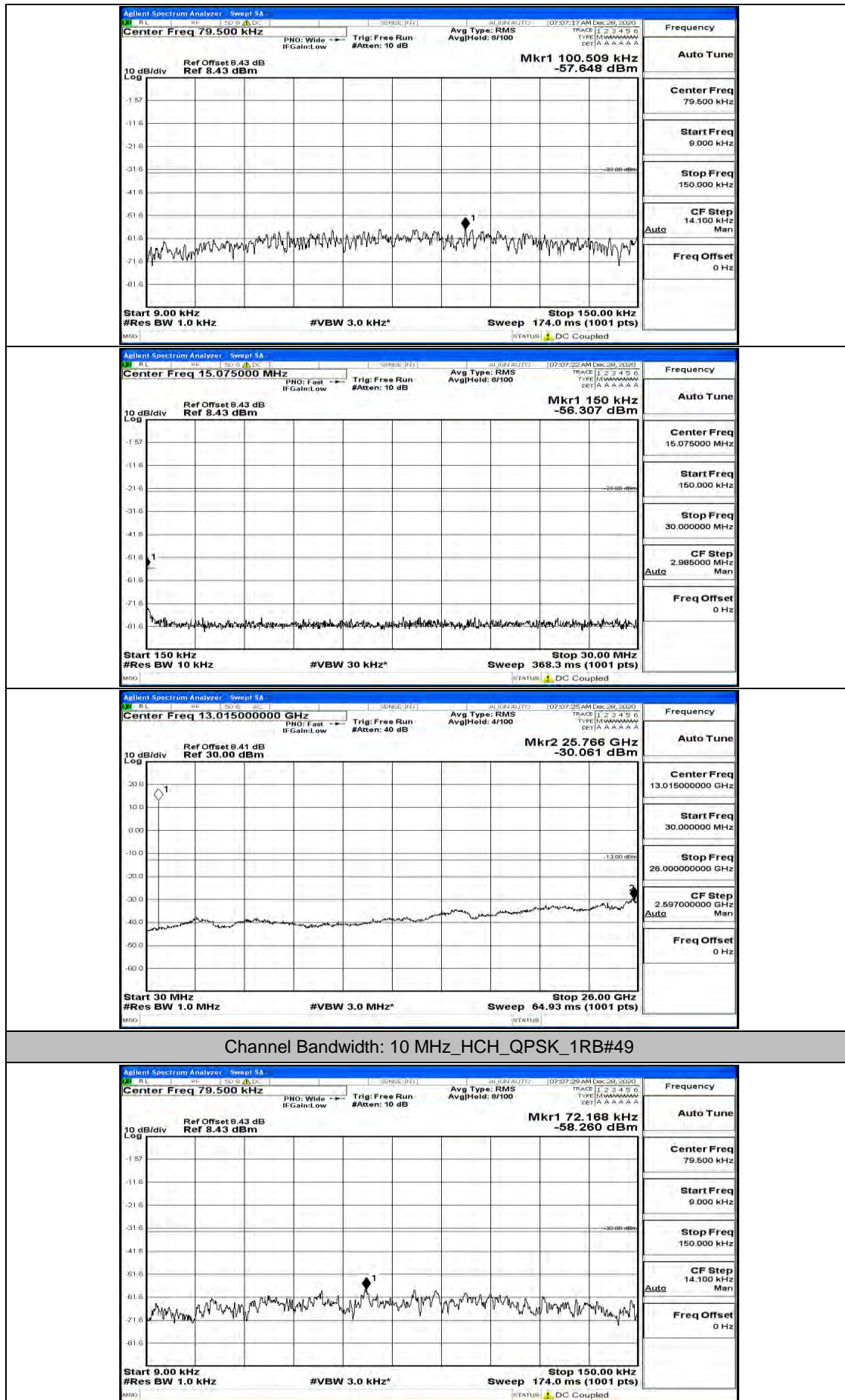
Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#0

Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#24

Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#49

Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#0

This report shall not be reproduced except in full, without the written approval of Shenzhen LCS Compliance Testing Laboratory Ltd.

Page 39 of 46

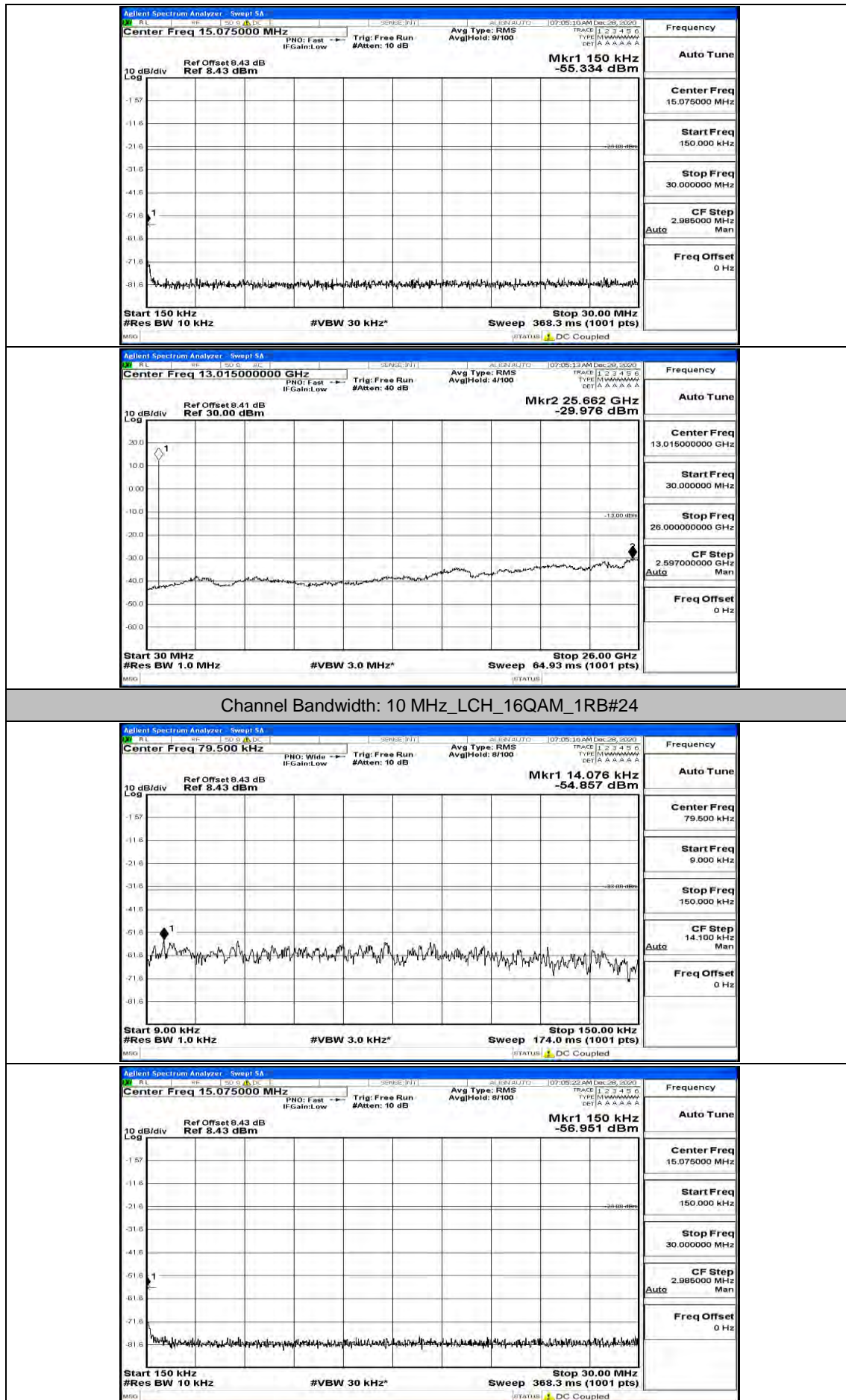Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#24

Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#49

Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#0

Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#24

This report shall not be reproduced except in full, without the written approval of Shenzhen LCS Compliance Testing Laboratory Ltd.

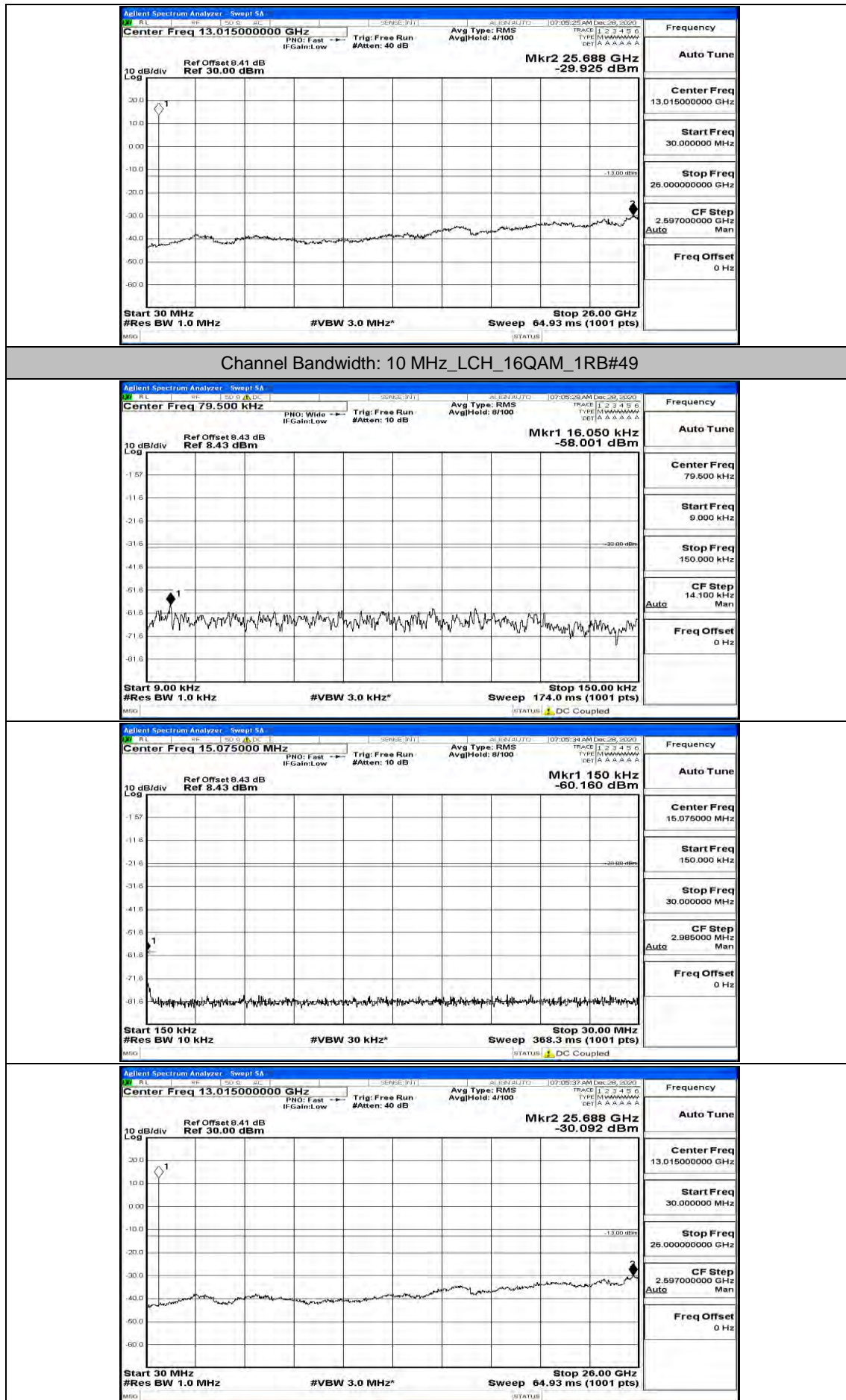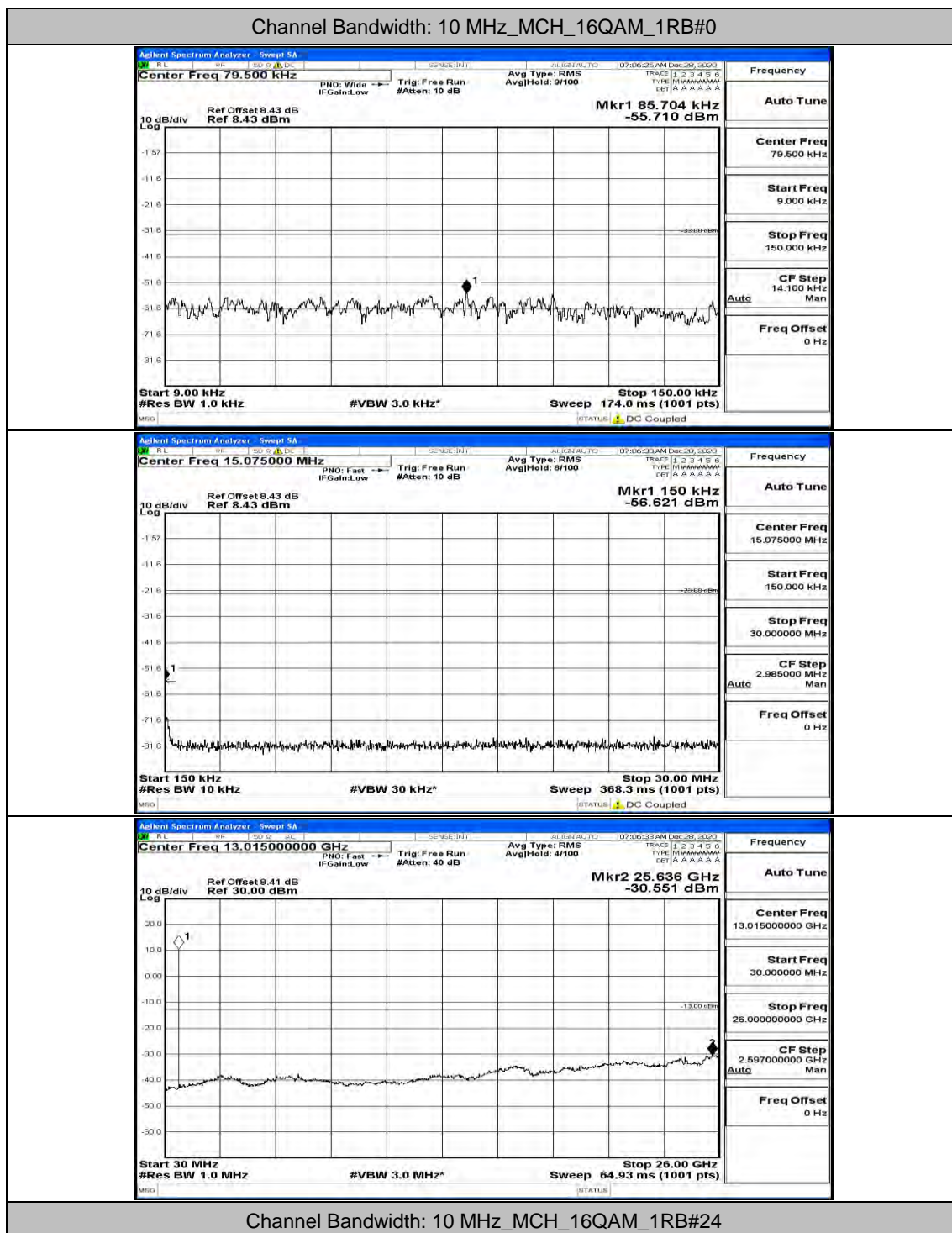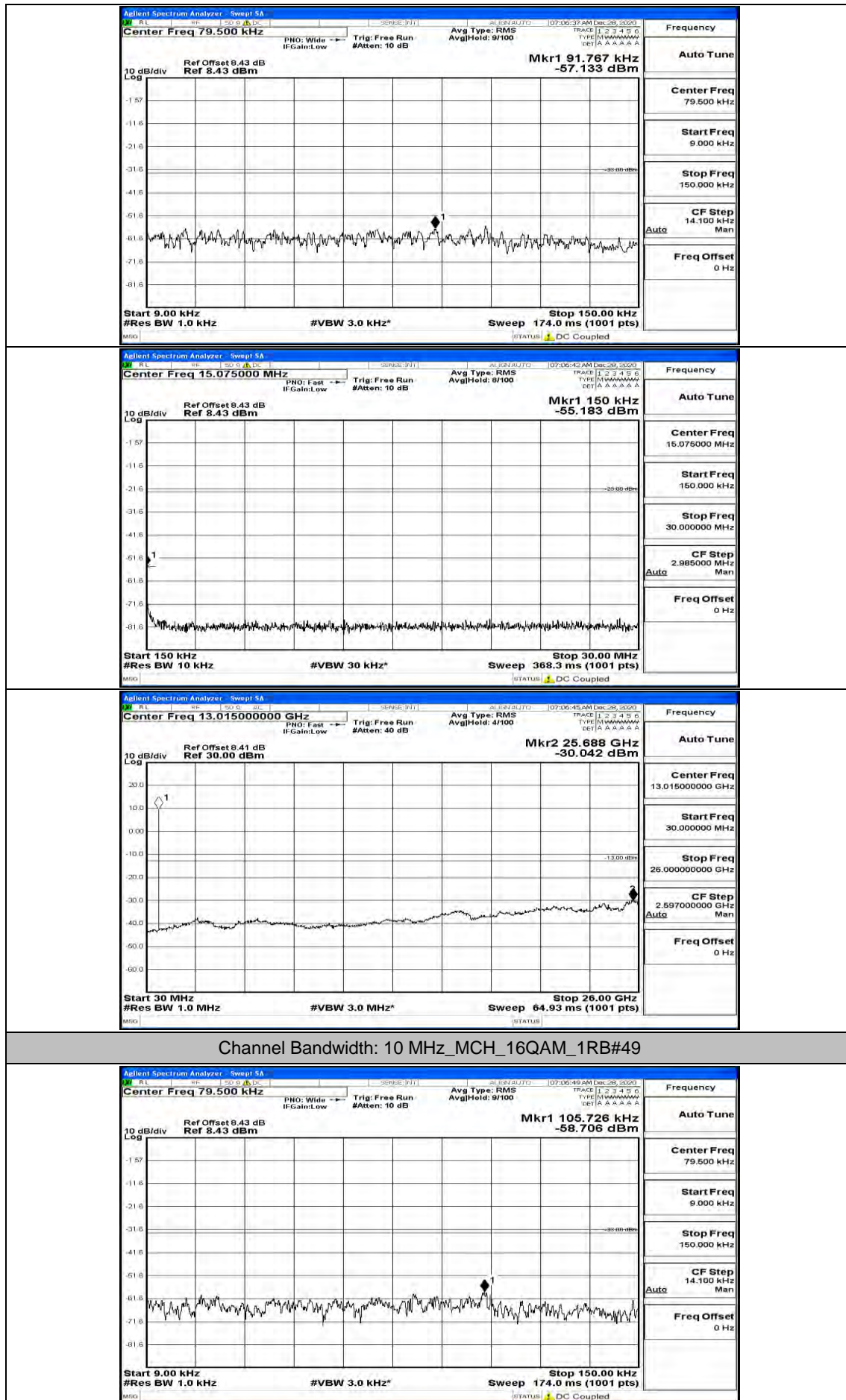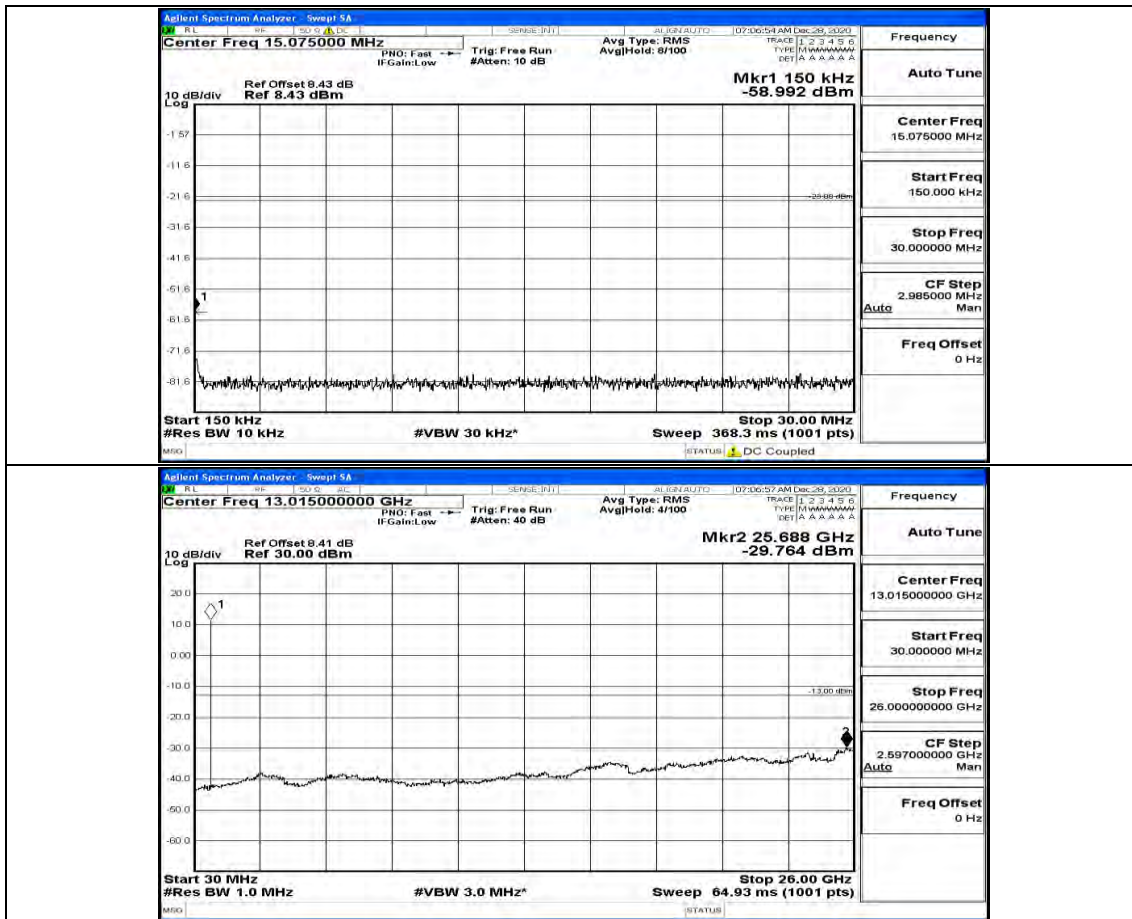*Page 42 of 46*

Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#49

Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#0

Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#24

Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#49