

## Appendix I: Test Data for E-UTRA Band 13

**Product Name: Mobile Radio**

**Trade Mark: ANYSECU**

**Test Model: W2plus**

### Environmental Conditions

Temperature:	24.3° C
Relative Humidity:	53.1%
ATM Pressure:	100.0 kPa
Test Engineer:	Diamond.Lu
Supervised by:	Wang.Chuang

### I.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	23.18	22.43	PASS
		1	12	23.22	22.52	PASS
		1	24	23.02	22.32	PASS
		12	0	22.15	21.30	PASS
		12	6	22.18	21.29	PASS
		12	13	22.13	21.26	PASS
		25	0	22.10	21.15	PASS
	MCH	1	0	23.25	22.13	PASS
		1	12	23.16	22.11	PASS
		1	24	22.93	21.88	PASS
		12	0	22.09	21.15	PASS
		12	6	22.01	21.08	PASS
		12	13	21.97	21.02	PASS
		25	0	21.99	21.04	PASS
	HCH	1	0	22.91	22.02	PASS
		1	12	22.97	22.15	PASS
		1	24	22.81	21.88	PASS
		12	0	21.94	21.01	PASS
		12	6	21.96	21.03	PASS
		12	13	21.94	20.98	PASS
		25	0	21.88	20.96	PASS

## Conducted Output Power Test Result (Channel Bandwidth: 10 MHz)

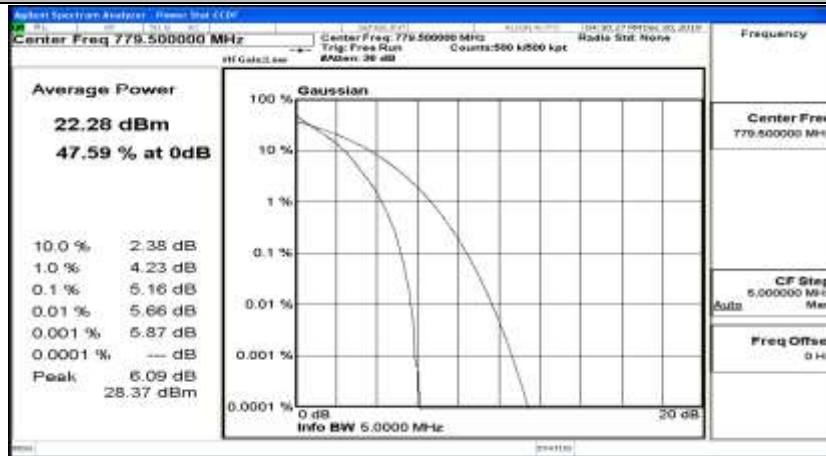
Modulation	Channel	RB Configuration		Average Power [dBm]	Average Power [dBm]	Verdict
		Size	Offset	QPSK	16QAM	
QPSK / 16QAM	LCH	1	0	23.17	22.33	PASS
		1	24	23.04	22.27	PASS
		1	49	22.89	22.08	PASS
		25	0	22.08	21.08	PASS
		25	12	22.00	21.04	PASS
		25	25	21.93	20.99	PASS
		50	0	22.03	21.05	PASS
	MCH	1	0	23.15	22.33	PASS
		1	24	23.04	22.27	PASS
		1	49	22.88	22.06	PASS
		25	0	22.08	21.09	PASS
		25	12	22.01	21.05	PASS
		25	25	21.93	20.99	PASS
		50	0	22.03	21.06	PASS
	HCH	1	0	23.16	22.33	PASS
		1	24	23.04	22.27	PASS
		1	49	22.88	22.08	PASS
		25	0	22.08	21.10	PASS
		25	12	22.00	21.04	PASS
		25	25	21.92	20.99	PASS
		50	0	22.03	21.05	PASS

**I.2 Peak-to-Average Ratio**

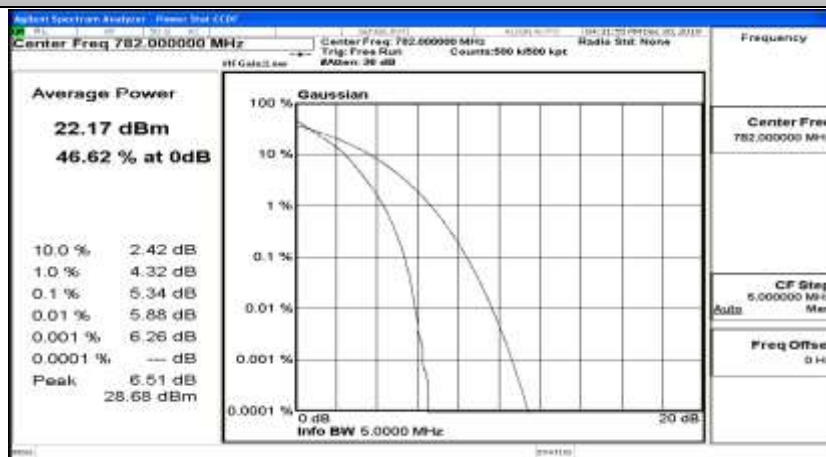
Peak-to Average Ratio Test Result (Channel Bandwidth: 5 MHz)				
Modulation	Channel	Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
QPSK	LCH	5.16	<13	PASS
	MCH	5.34	<13	PASS
	HCH	5.39	<13	PASS
16QAM	LCH	5.89	<13	PASS
	MCH	6.12	<13	PASS
	HCH	6.18	<13	PASS

Peak-to Average Ratio Test Result (Channel Bandwidth: 10 MHz)				
Modulation	Channel	Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
QPSK	LCH	5.35	<13	PASS
	MCH	5.35	<13	PASS
	HCH	5.33	<13	PASS
16QAM	LCH	6.06	<13	PASS
	MCH	6.07	<13	PASS
	HCH	6.06	<13	PASS

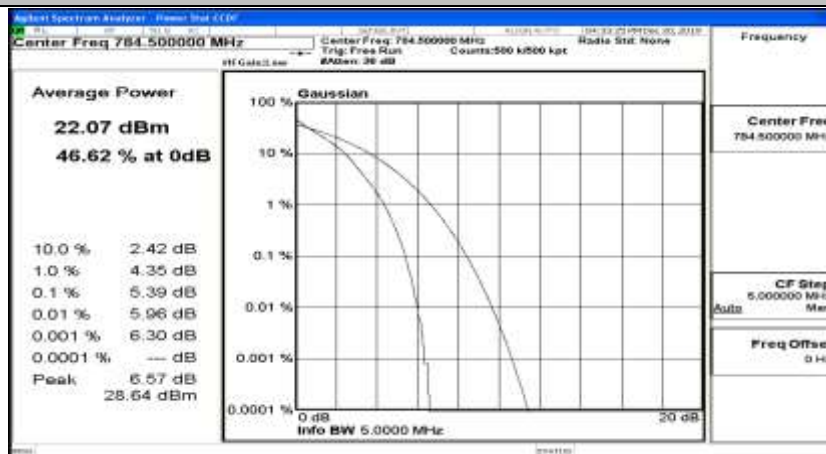
## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)\_LCH\_QPSK



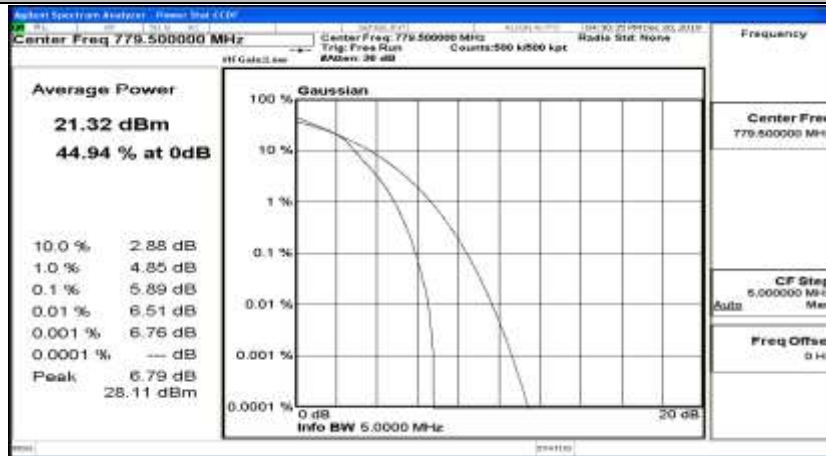
## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)\_MCH\_QPSK



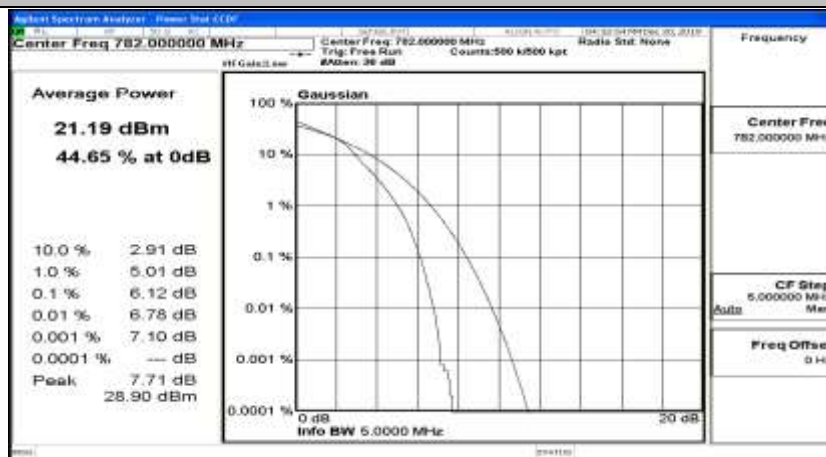
## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)\_HCH\_QPSK



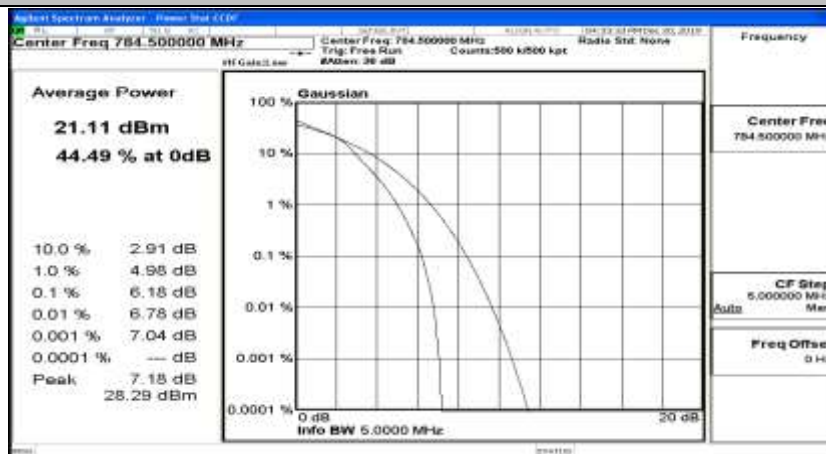
## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)\_LCH\_16QAM



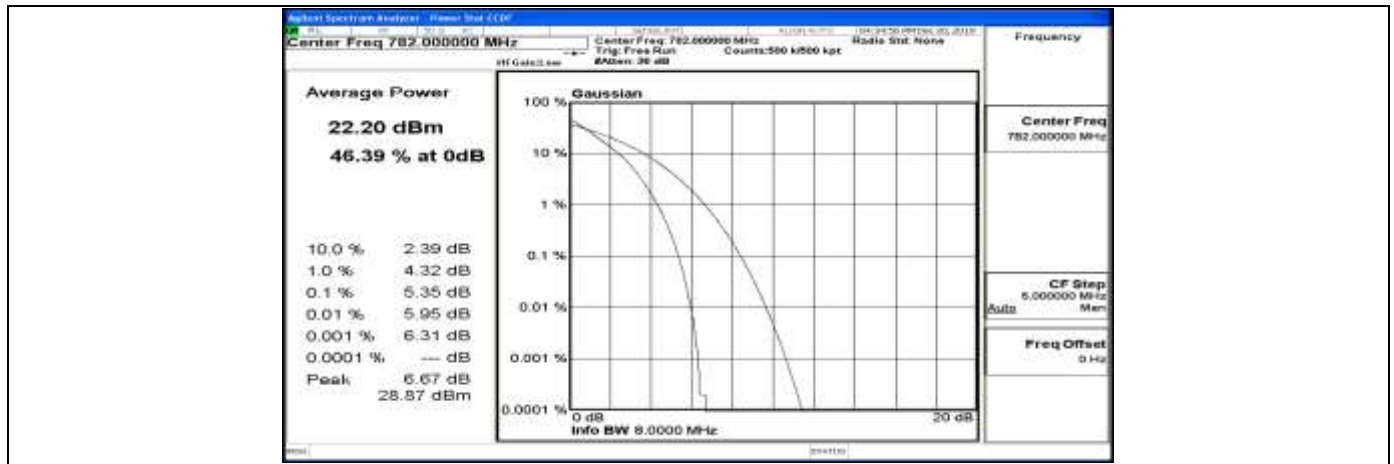
## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)\_MCH\_16QAM



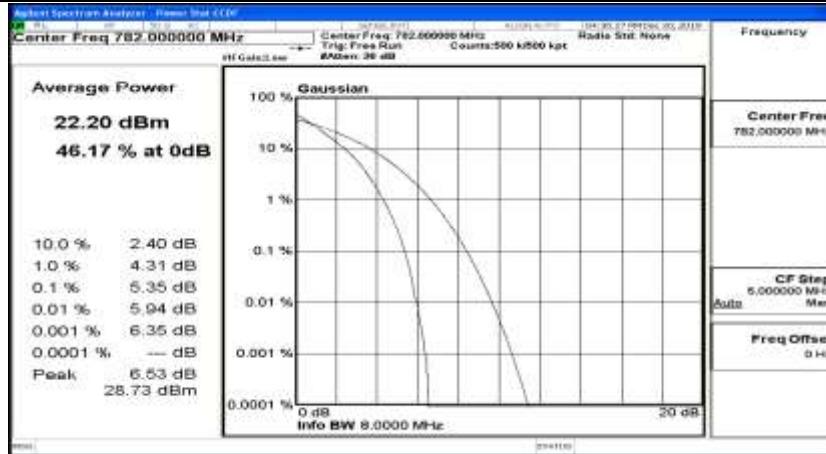
## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)\_HCH\_16QAM



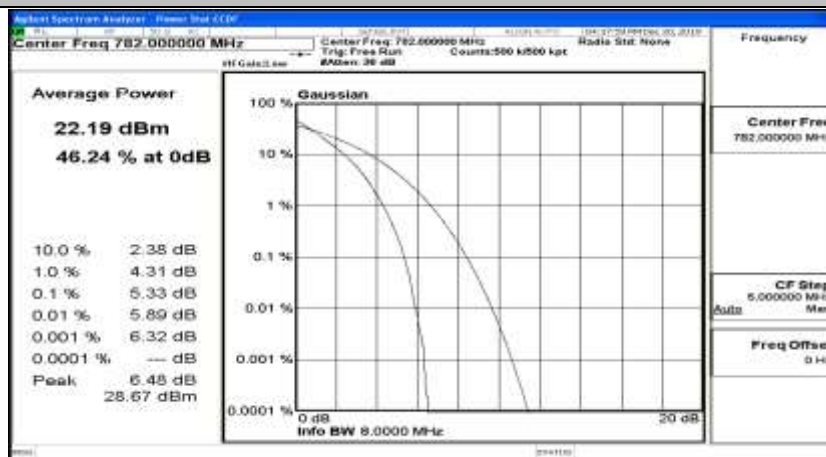
## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)\_LCH\_QPSK



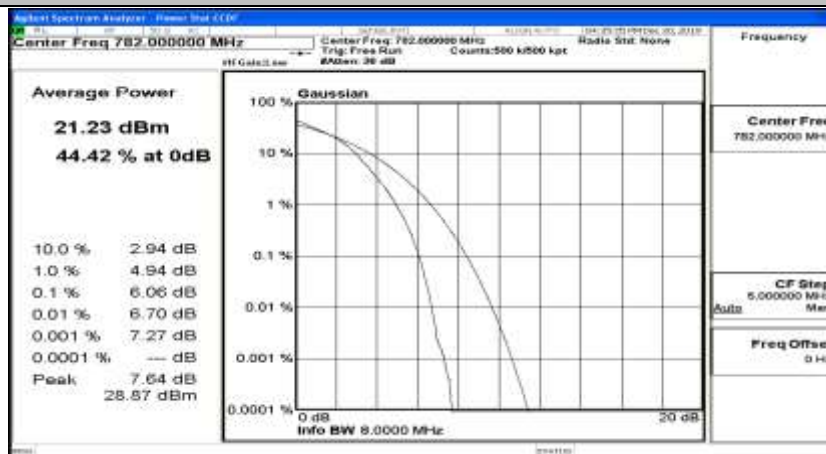
## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)\_MCH\_QPSK



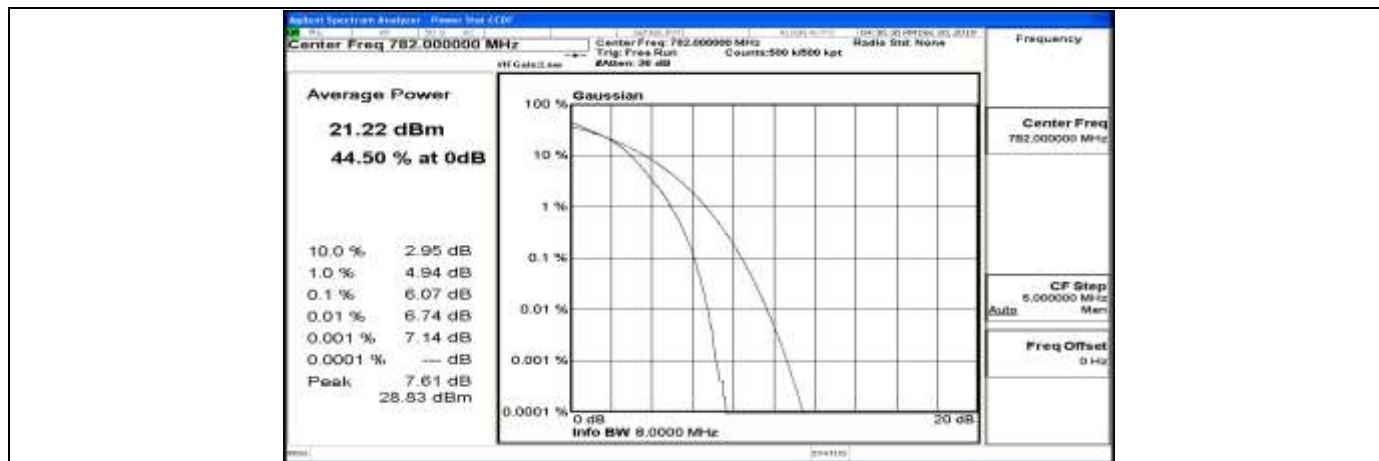
## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)\_HCH\_QPSK



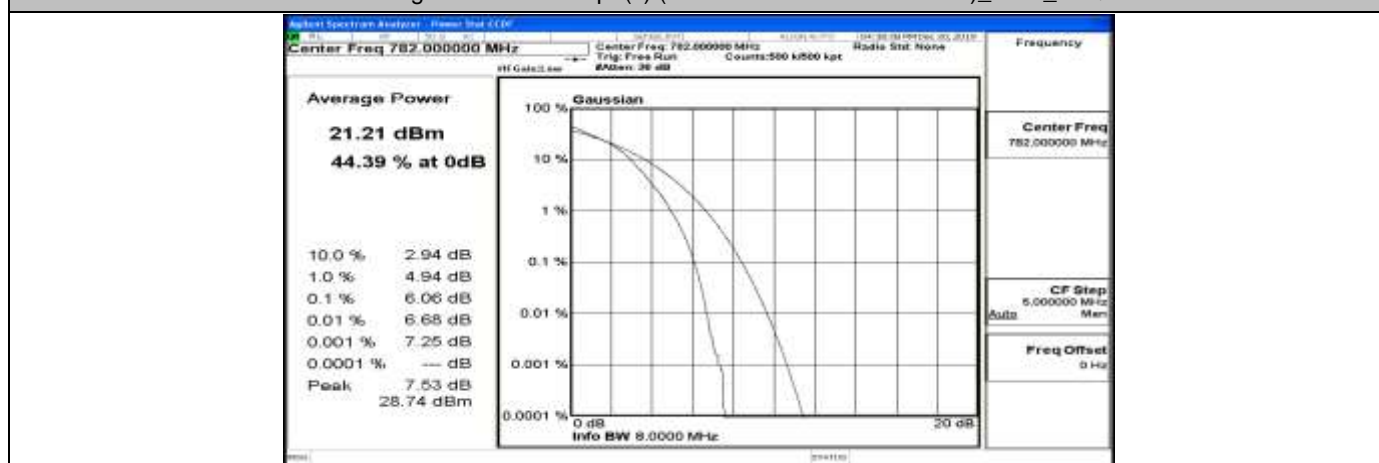
## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)\_LCH\_16QAM



## 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



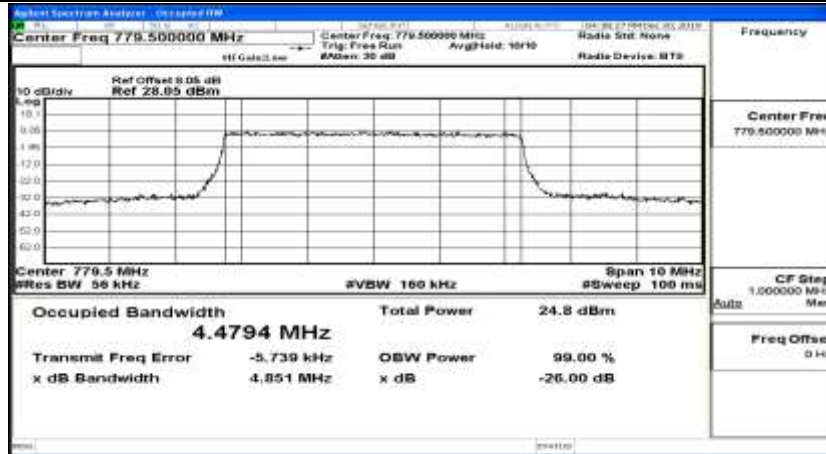


**I.3 26dB Bandwidth and Occupied Bandwidth**

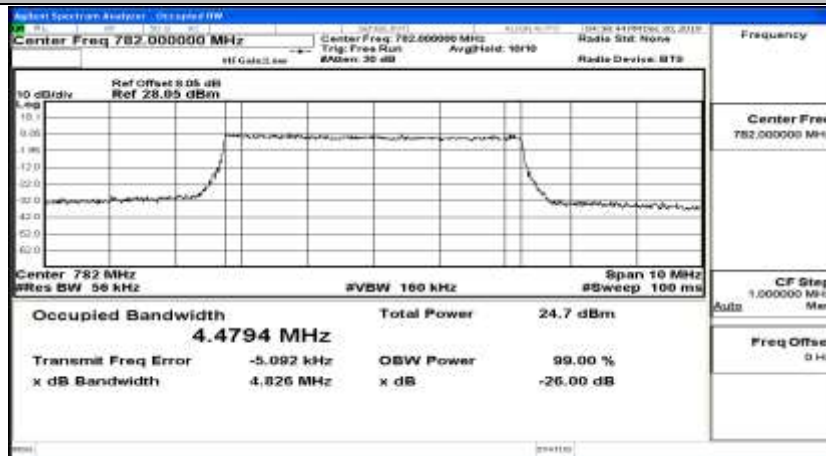
<b>EBW &amp; OBW Test Result (Channel Bandwidth: 5 MHz)</b>				
Modulation	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
QPSK	LCH	4.4794	4.851	PASS
	MCH	4.4794	4.826	PASS
	HCH	4.4816	4.824	PASS
16QAM	LCH	4.4796	4.809	PASS
	MCH	4.4825	4.802	PASS
	HCH	4.4890	4.825	PASS

<b>EBW &amp; OBW Test Result (Channel Bandwidth: 10 MHz)</b>				
Modulation	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
QPSK	LCH	8.9423	9.501	PASS
	MCH	8.9401	9.461	PASS
	HCH	8.9446	9.501	PASS
16QAM	LCH	8.9396	9.414	PASS
	MCH	8.9372	9.563	PASS
	HCH	8.9483	9.464	PASS

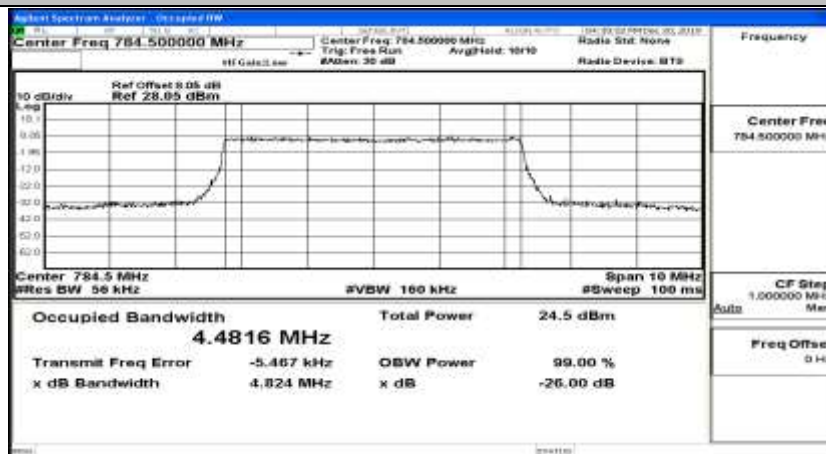
## EBW &amp; OBW Test Graph(s) (Channel Bandwidth: 5 MHz)\_LCH\_QPSK



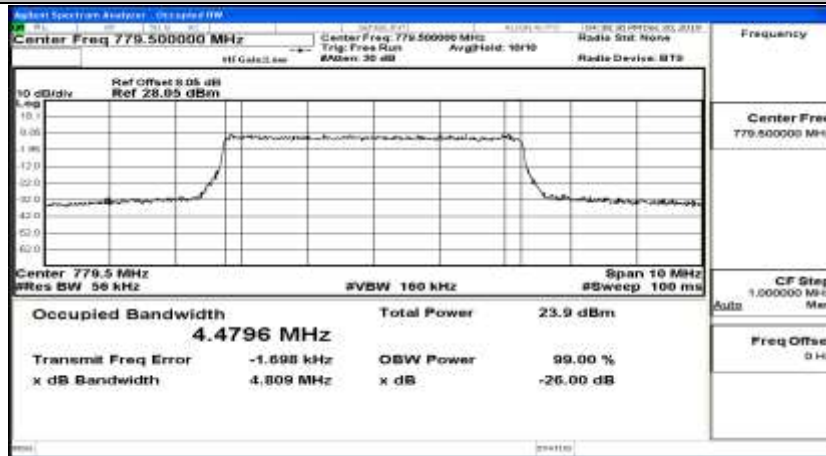
## EBW &amp; OBW Test Graph(s) (Channel Bandwidth: 5 MHz)\_MCH\_QPSK



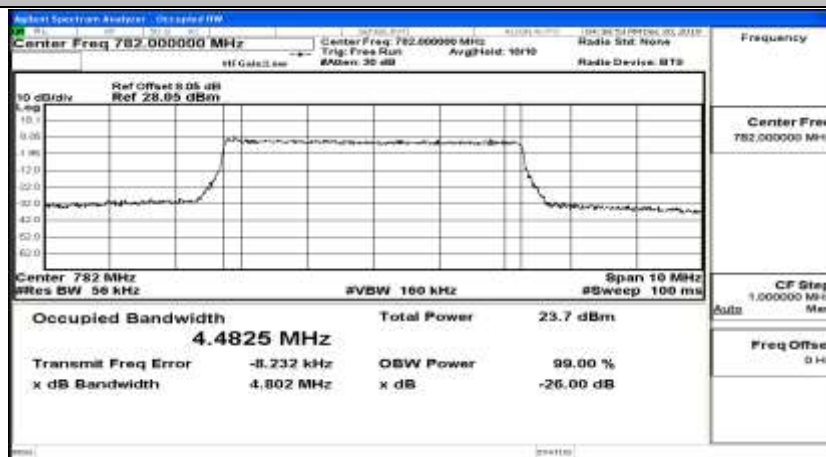
## EBW &amp; OBW Test Graph(s) (Channel Bandwidth: 5 MHz)\_HCH\_QPSK



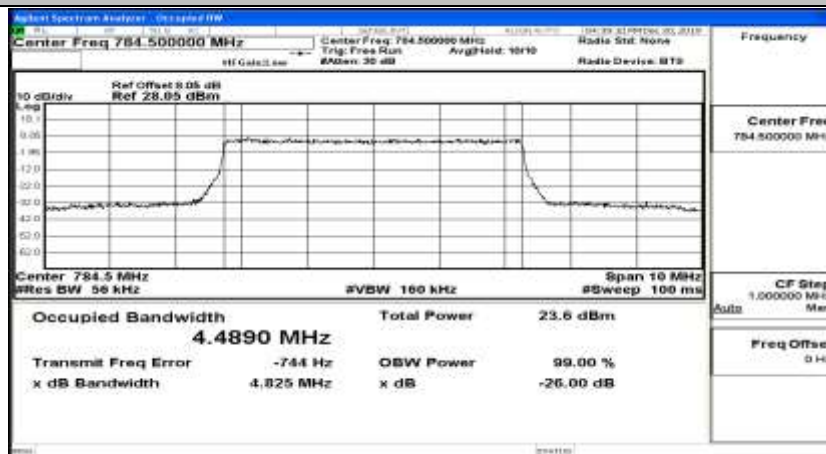
## EBW &amp; OBW Test Graph(s) (Channel Bandwidth: 5 MHz)\_LCH\_16QAM



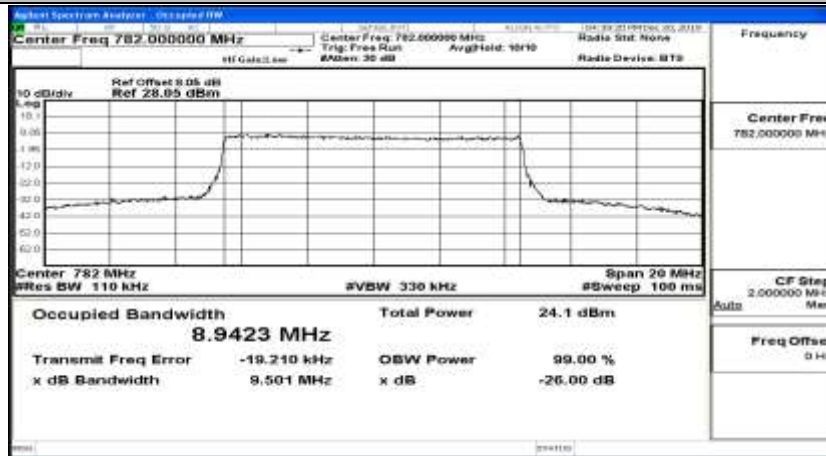
## EBW &amp; OBW Test Graph(s) (Channel Bandwidth: 5 MHz)\_MCH\_16QAM



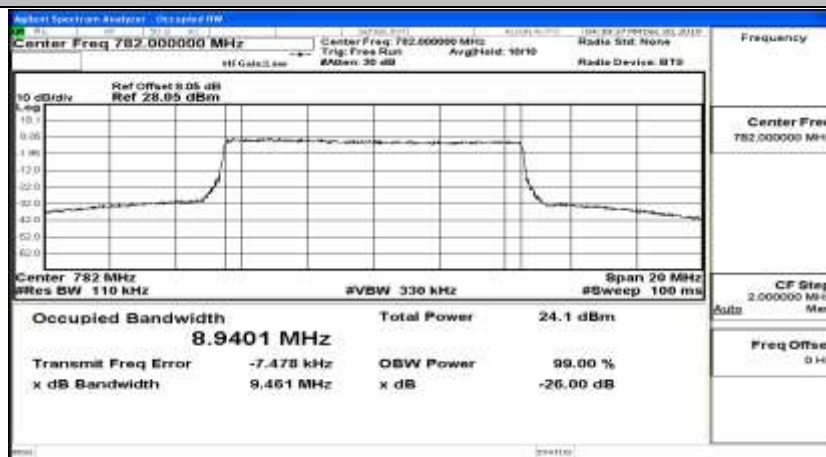
## EBW &amp; OBW Test Graph(s) (Channel Bandwidth: 5 MHz)\_HCH\_16QAM



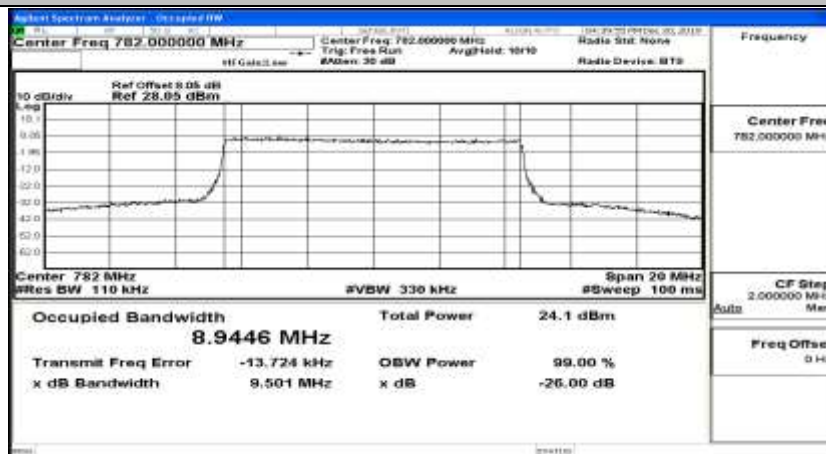
## EBW &amp; OBW Test Graph(s) (Channel Bandwidth: 10 MHz)\_LCH\_QPSK



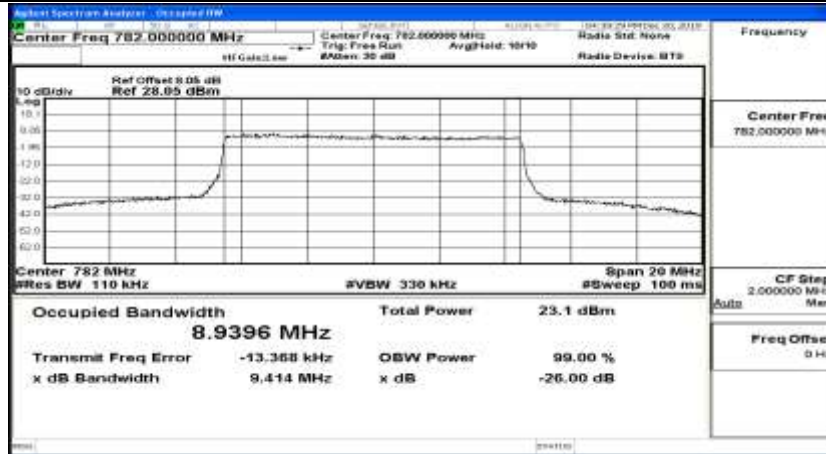
## EBW &amp; OBW Test Graph(s) (Channel Bandwidth: 10 MHz)\_MCH\_QPSK



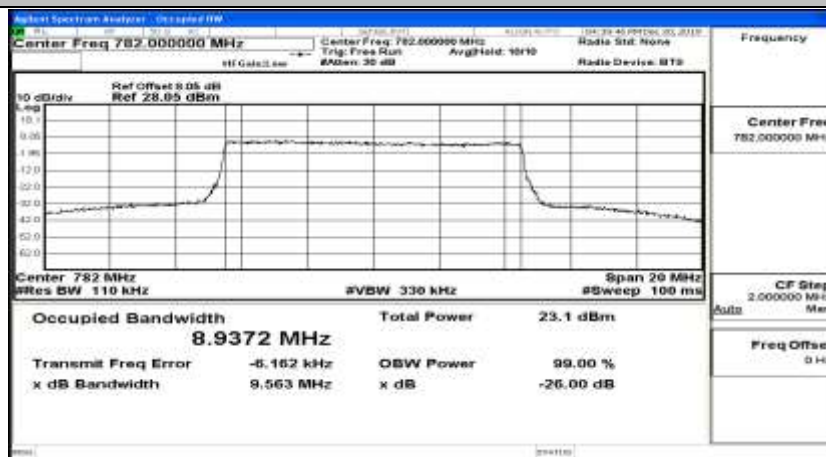
## EBW &amp; OBW Test Graph(s) (Channel Bandwidth: 10 MHz)\_HCH\_QPSK



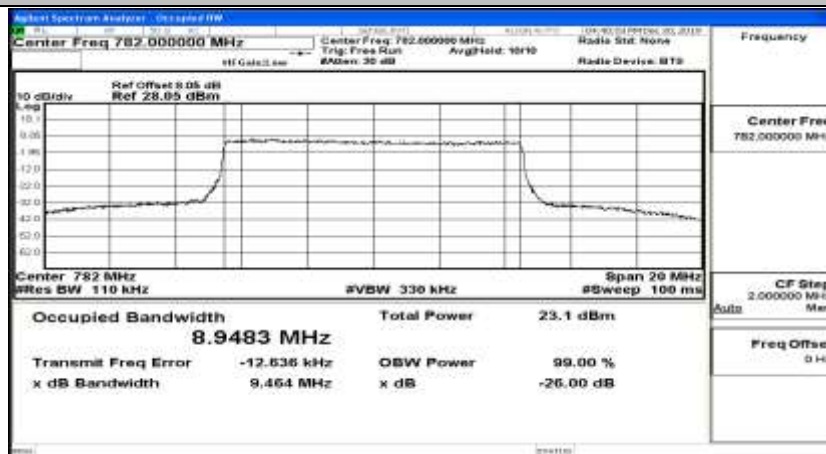
## EBW &amp; OBW Test Graph(s) (Channel Bandwidth: 10 MHz)\_LCH\_16QAM



## EBW &amp; OBW Test Graph(s) (Channel Bandwidth: 10 MHz)\_MCH\_16QAM

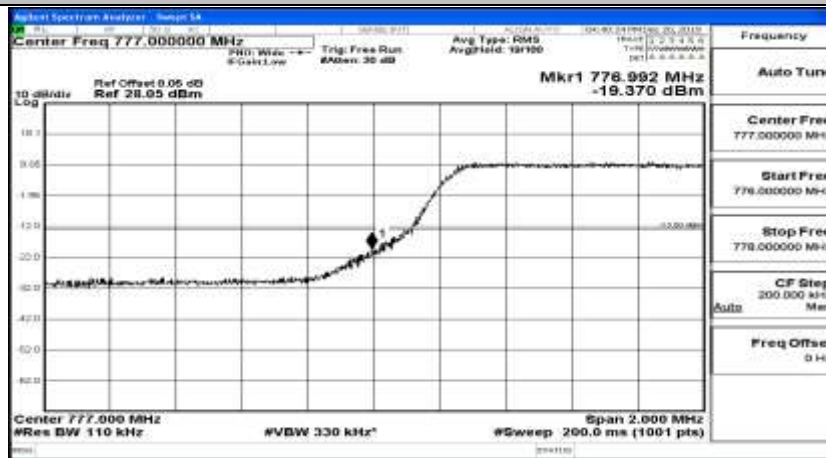


## EBW &amp; OBW Test Graph(s) (Channel Bandwidth: 10 MHz)\_HCH\_16QAM

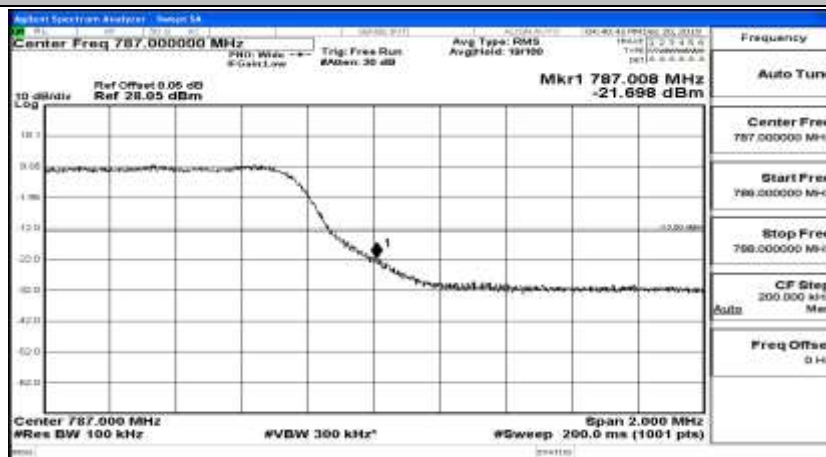


## I.4 Band Edge

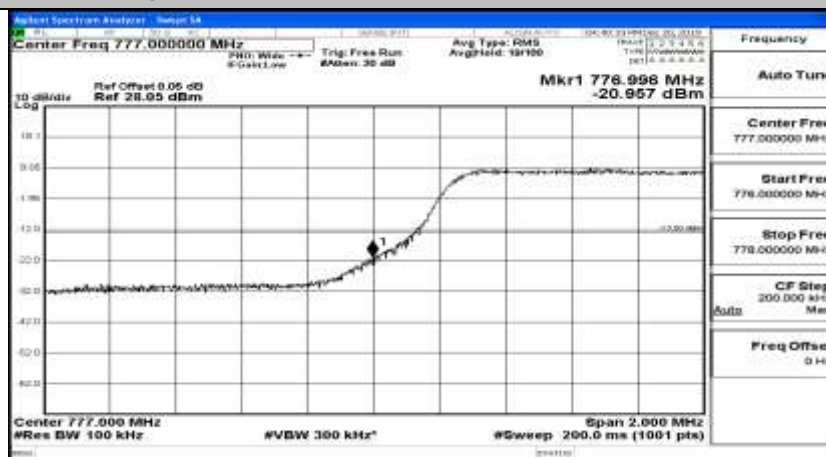
Band Edge Test Graph(s) (Channel Bandwidth: 5 MHz)\_LCH\_QPSK



Band Edge Test Graph(s) (Channel Bandwidth: 5 MHz)\_HCH\_QPSK

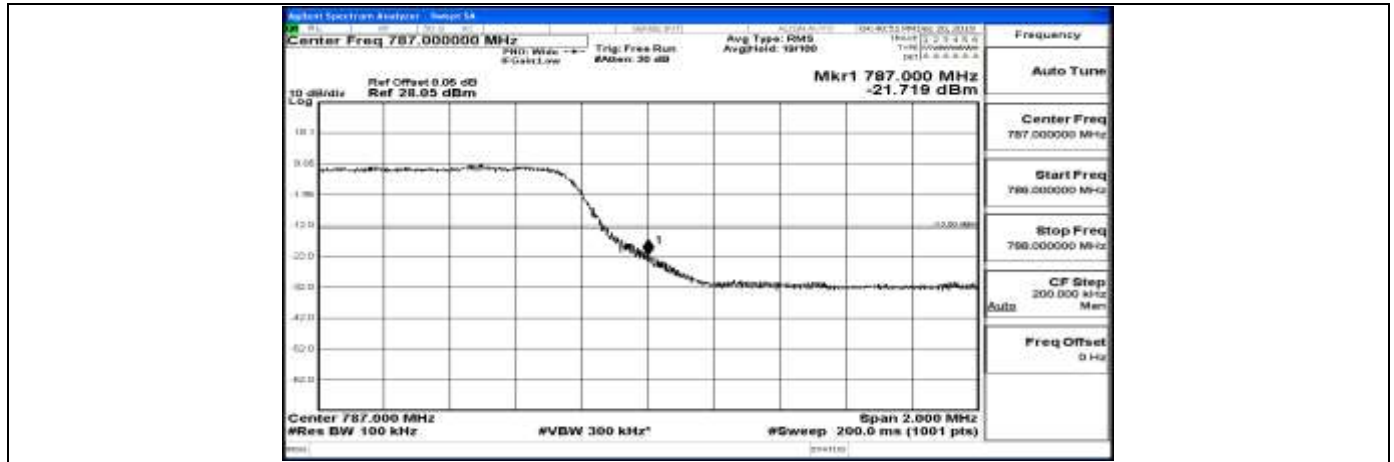


Band Edge Test Graph(s) (Channel Bandwidth: 5 MHz)\_LCH\_16QAM

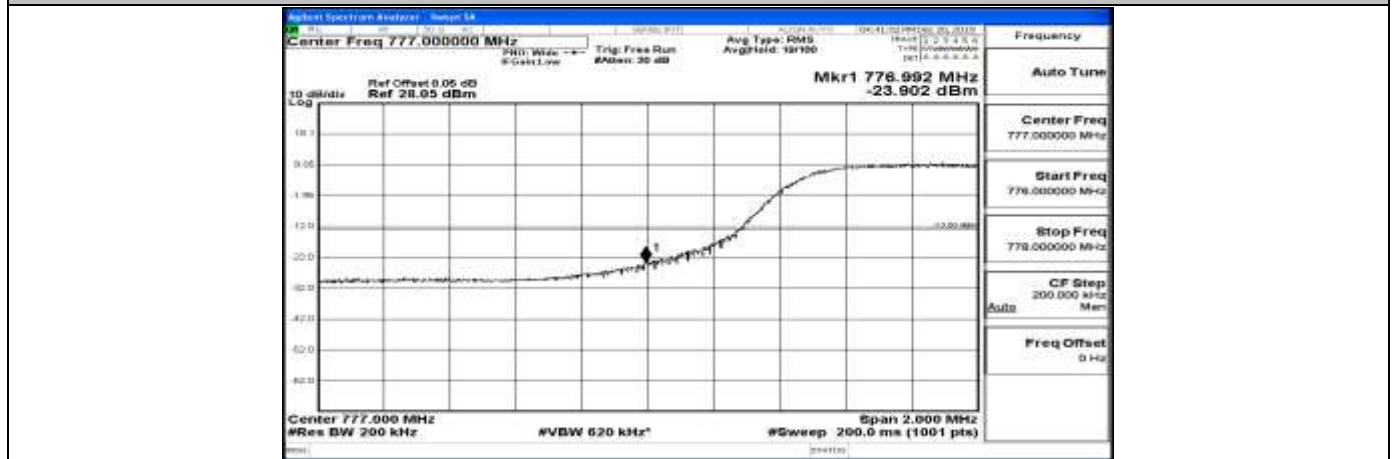


Band Edge Test Graph(s) (Channel Bandwidth: 5 MHz)\_HCH\_16QAM





Band Edge Test Graph(s) (Channel Bandwidth: 10 MHz)\_LCH\_QPSK



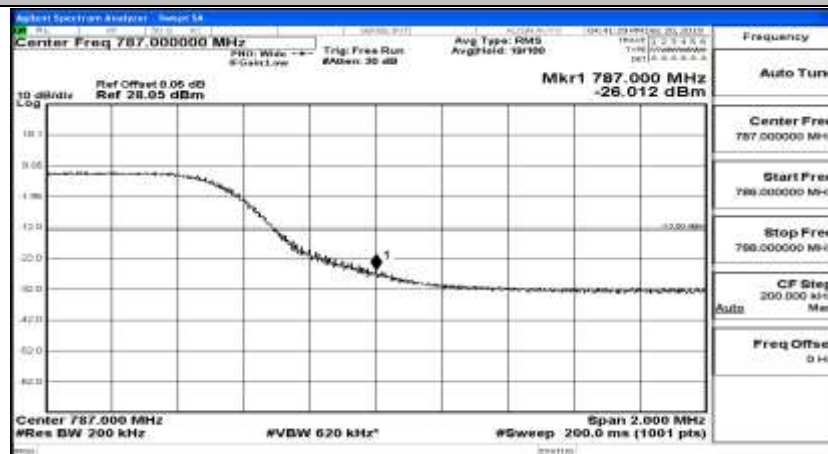
## Band Edge Test Graph(s) (Channel Bandwidth: 10 MHz)\_HCH\_QPSK



## Band Edge Test Graph(s) (Channel Bandwidth: 10 MHz)\_LCH\_16QAM



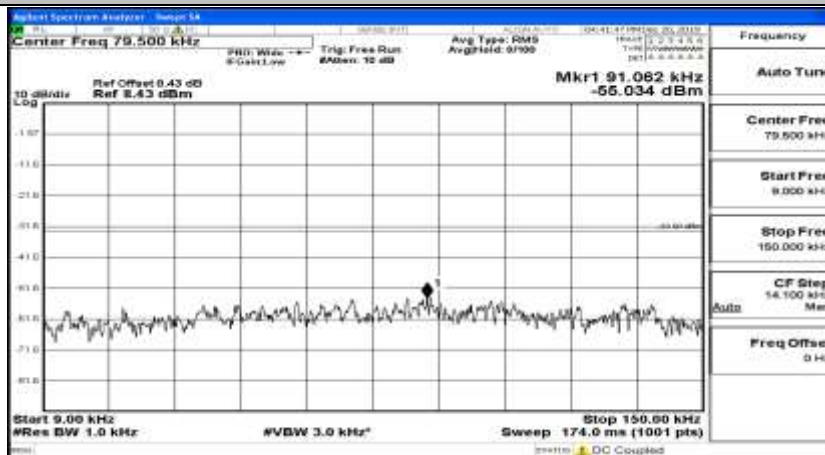
## Band Edge Test Graph(s) (Channel Bandwidth: 10 MHz)\_HCH\_16QAM



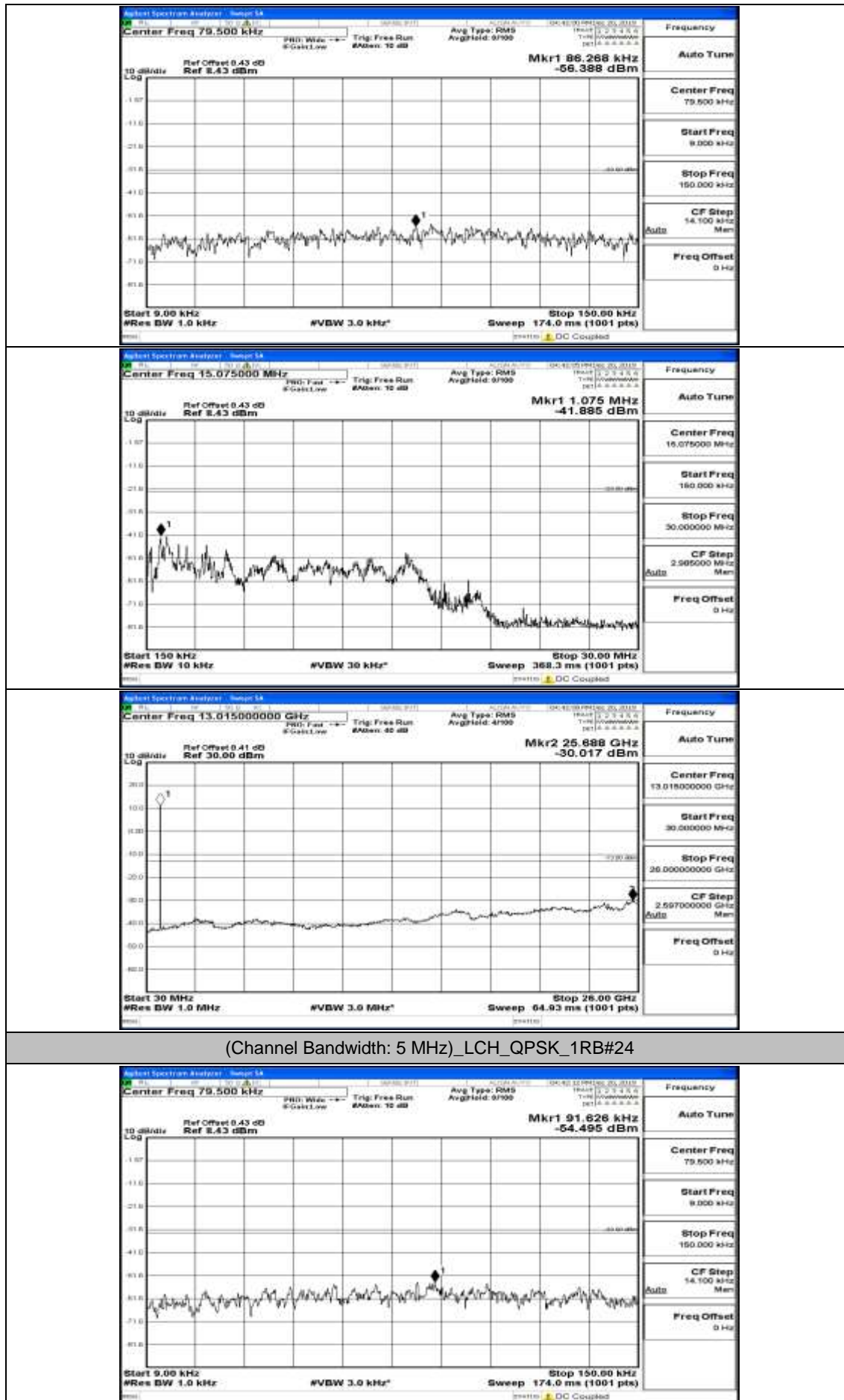


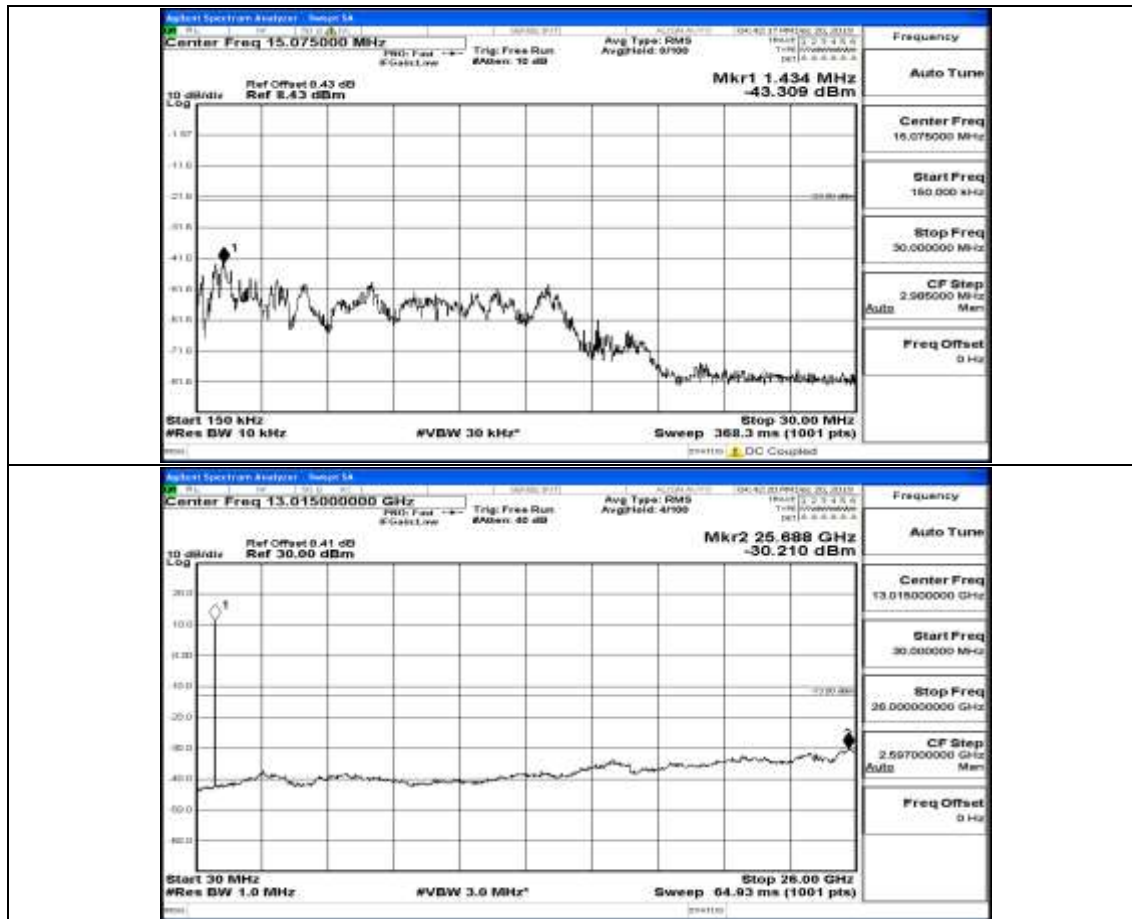
## 1.5 Conducted Spurious Emission

(Channel Bandwidth: 5 MHz)\_LCH\_QPSK\_1RB#0

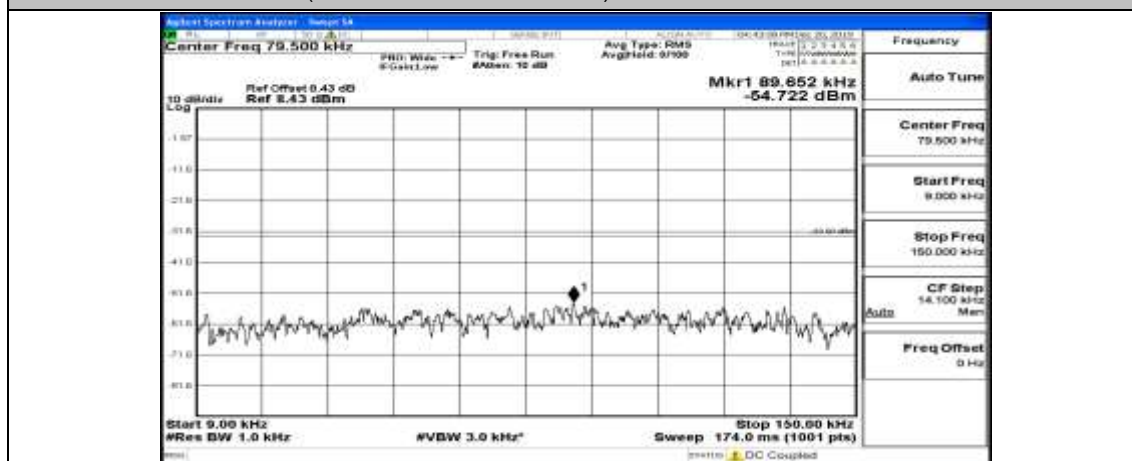


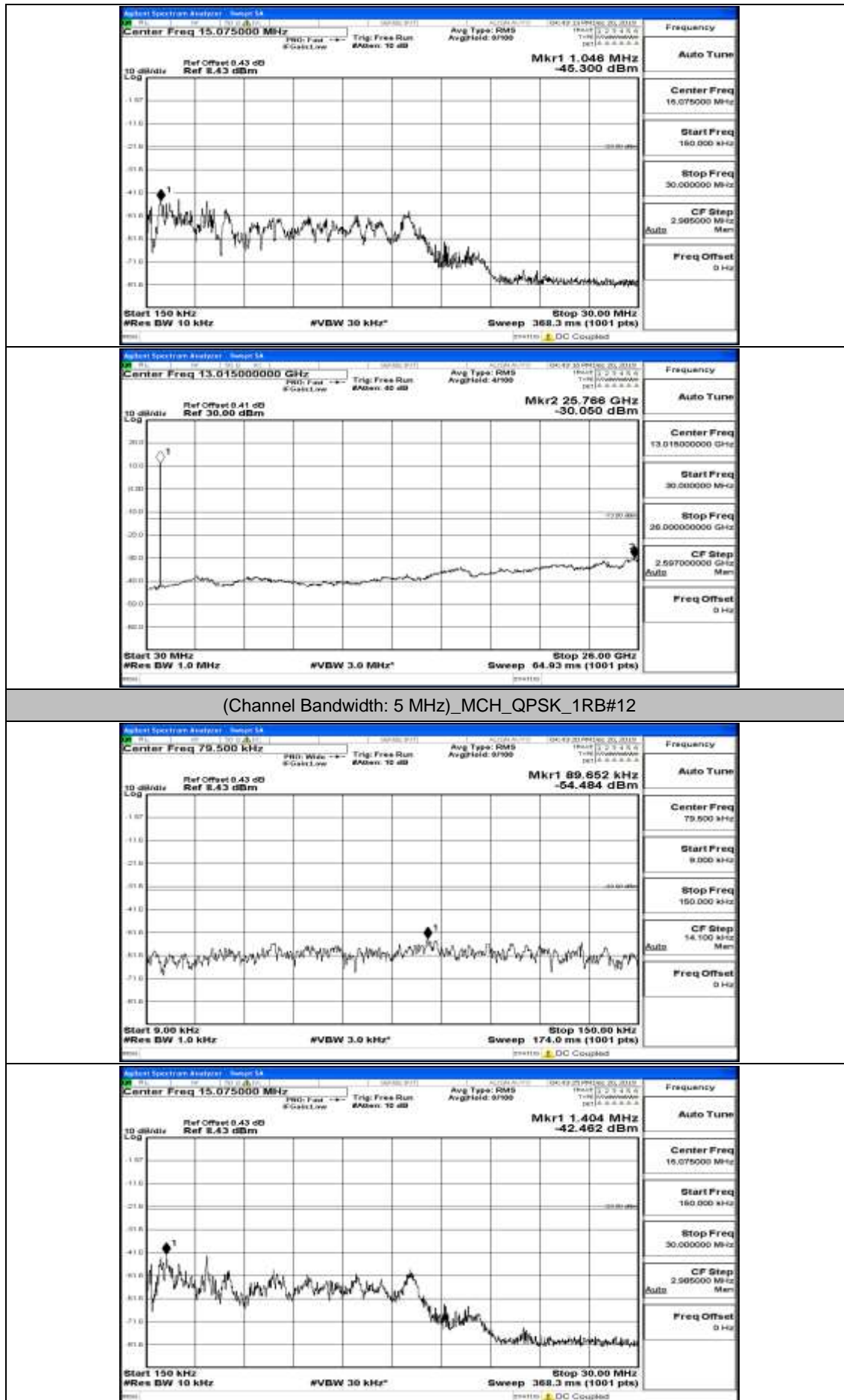
(Channel Bandwidth: 5 MHz)\_LCH\_QPSK\_1RB#12





(Channel Bandwidth: 5 MHz)\_MCH\_QPSK\_1RB#0

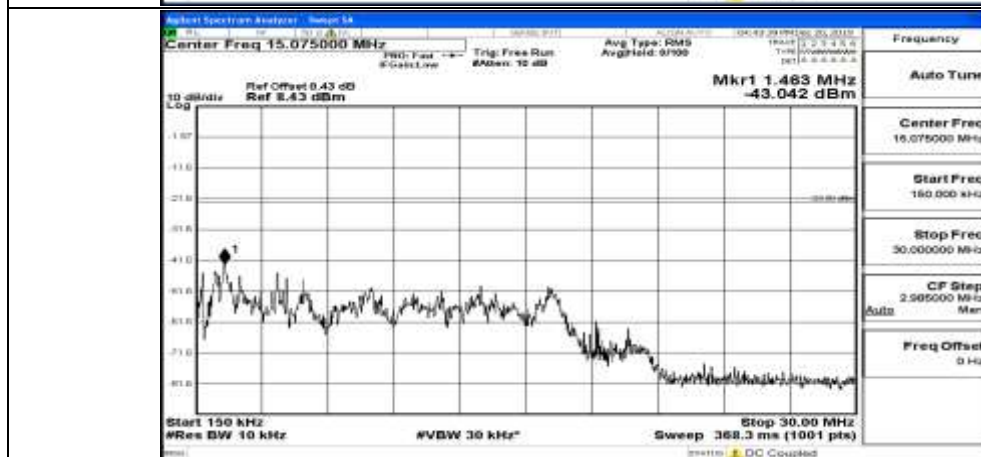
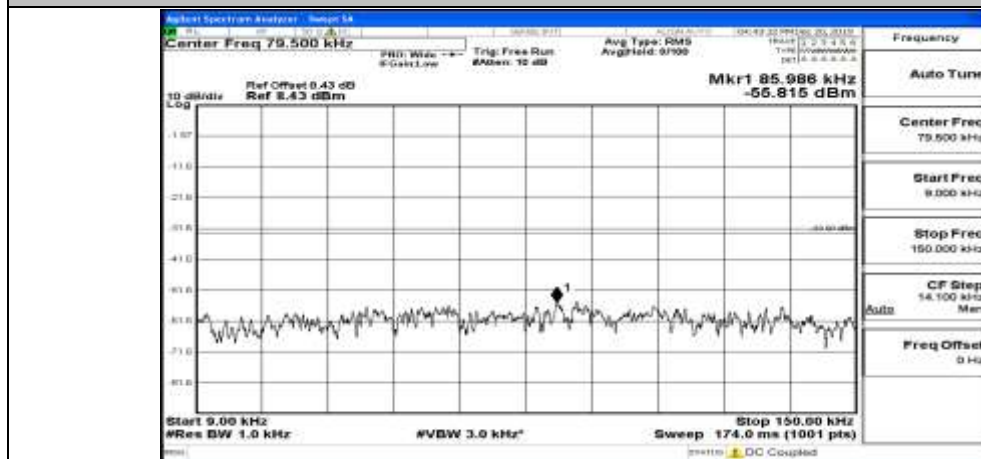




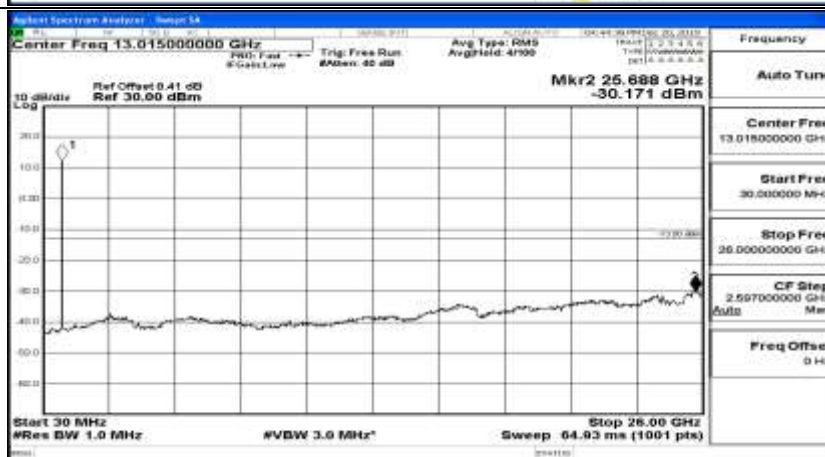
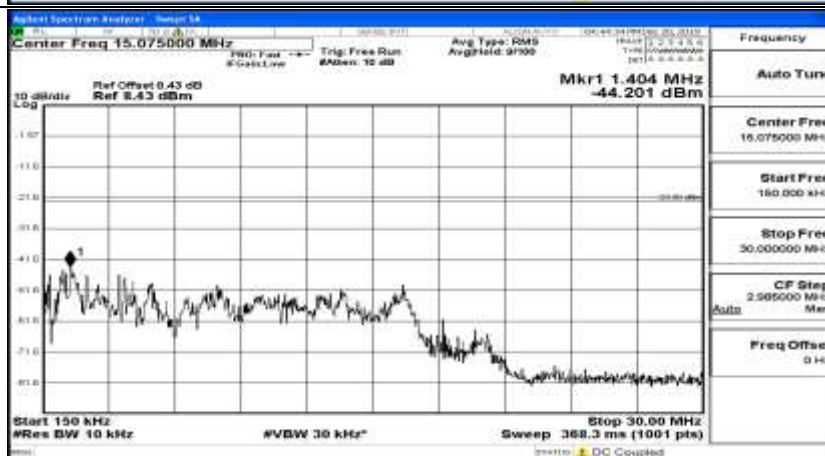
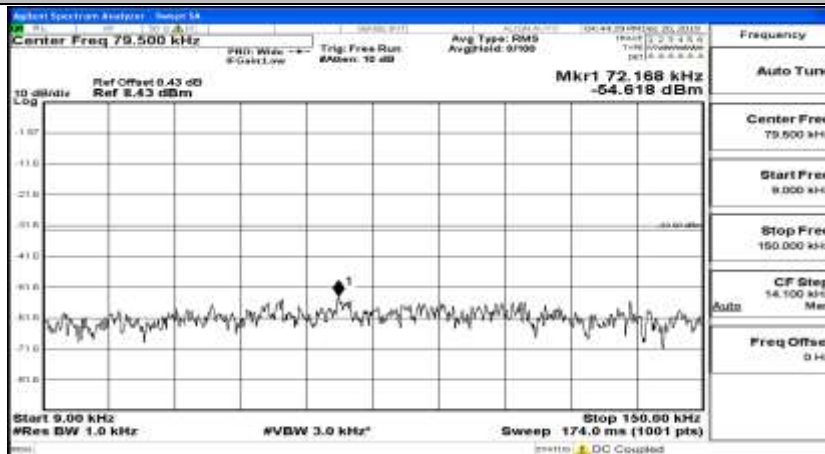




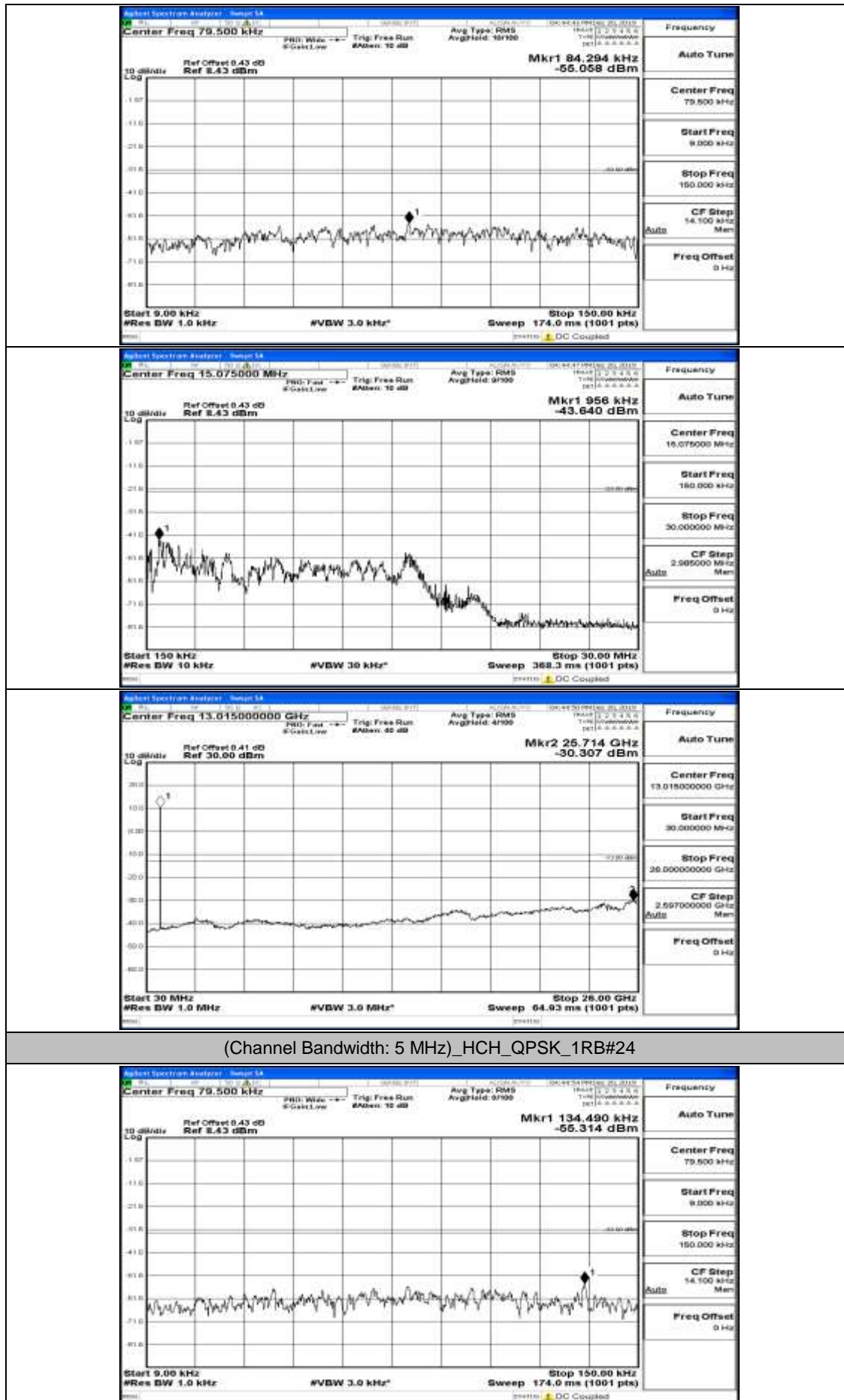
(Channel Bandwidth: 5 MHz)\_MCH\_QPSK\_1RB#24

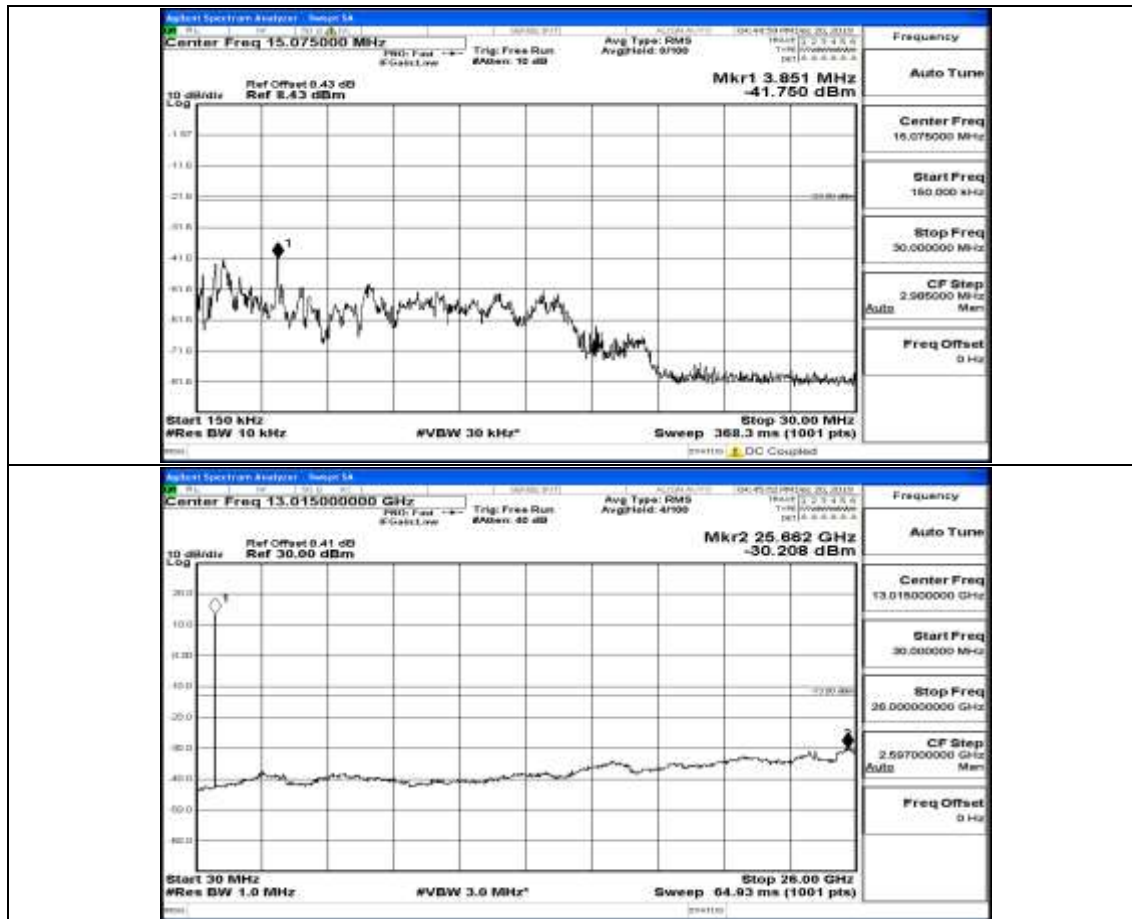


(Channel Bandwidth: 5 MHz)\_HCH\_QPSK\_1RB#0

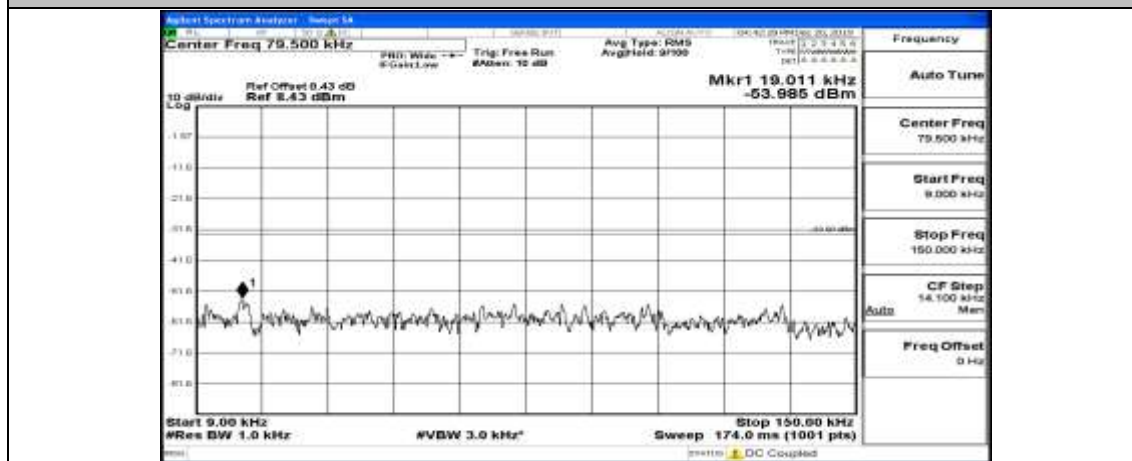


(Channel Bandwidth: 5 MHz)\_HCH\_QPSK\_1RB#12





(Channel Bandwidth: 5 MHz)\_LCH\_16QAM\_1RB#0

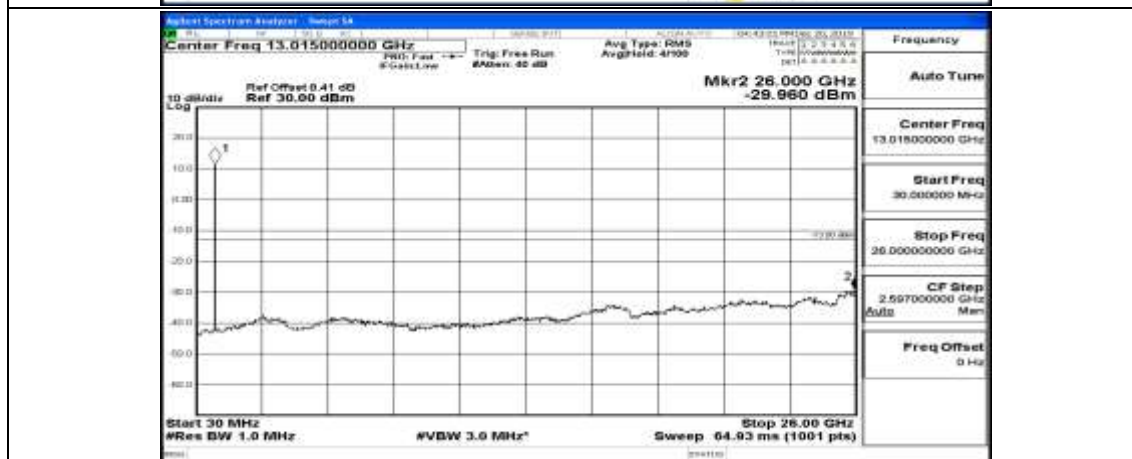
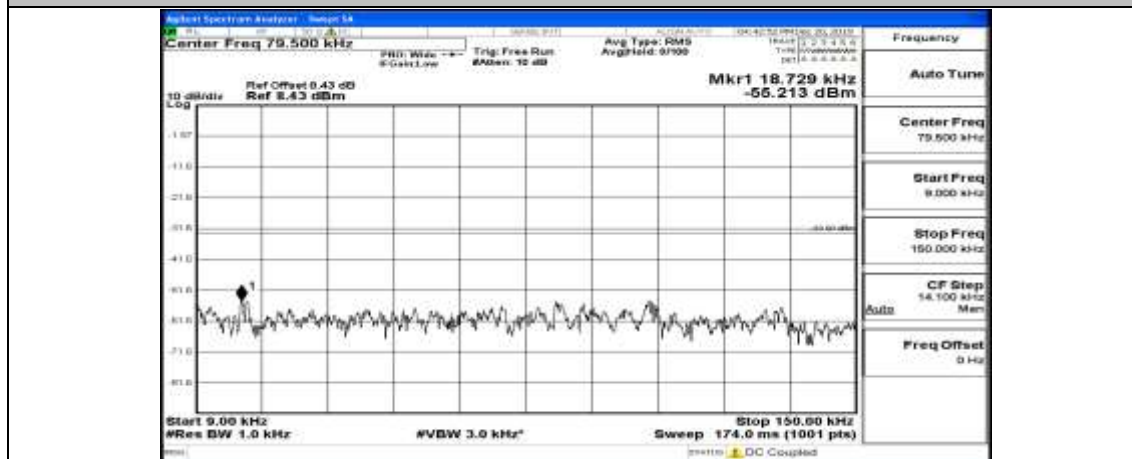




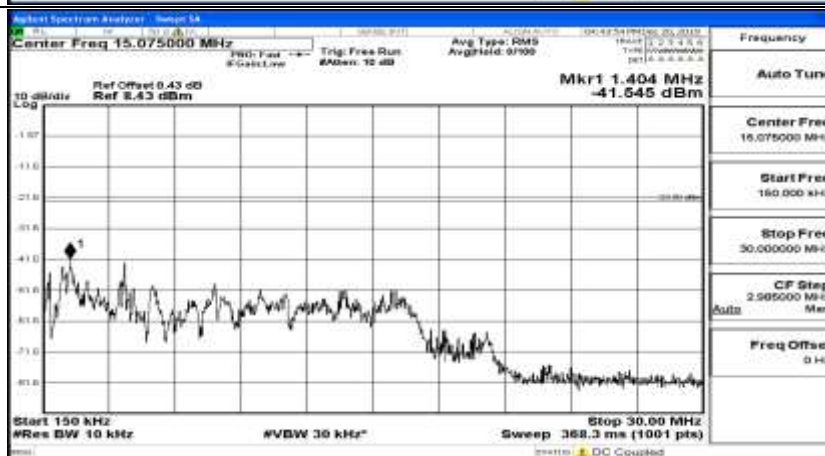
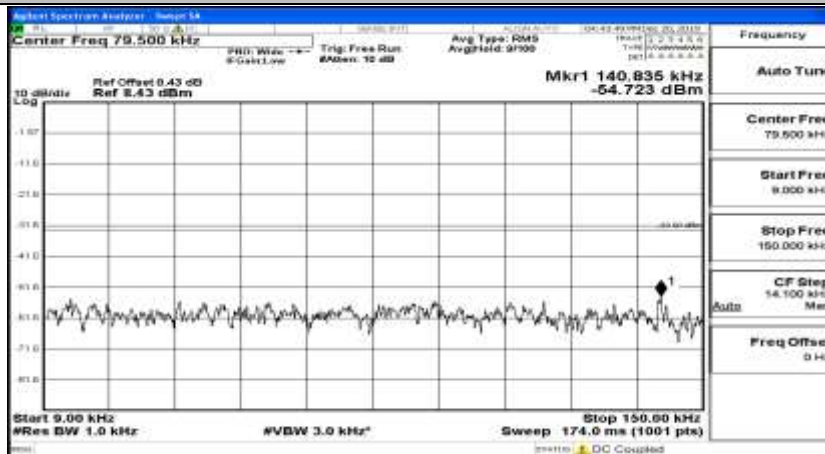




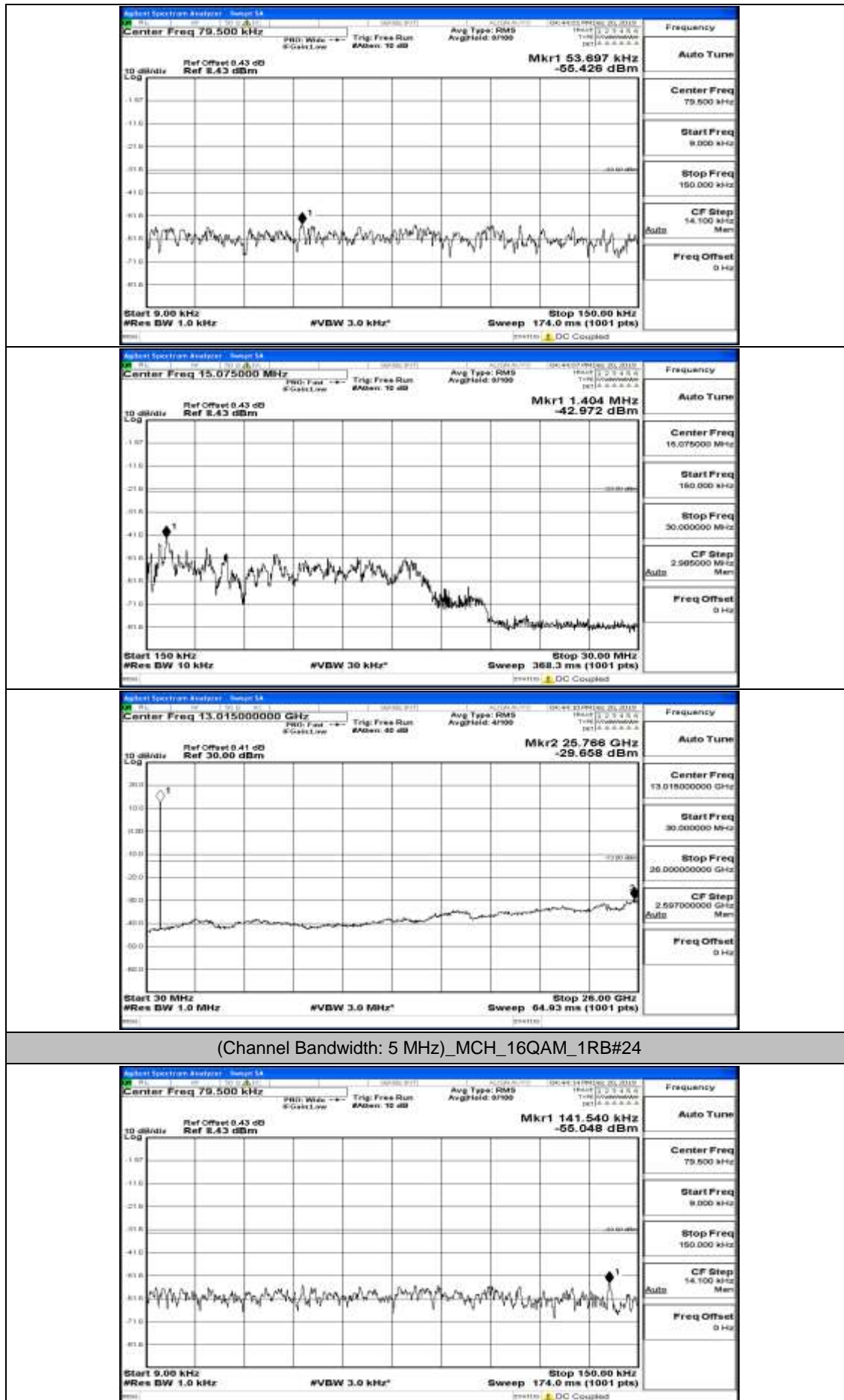
(Channel Bandwidth: 5 MHz) LCH\_16QAM\_1RB#24



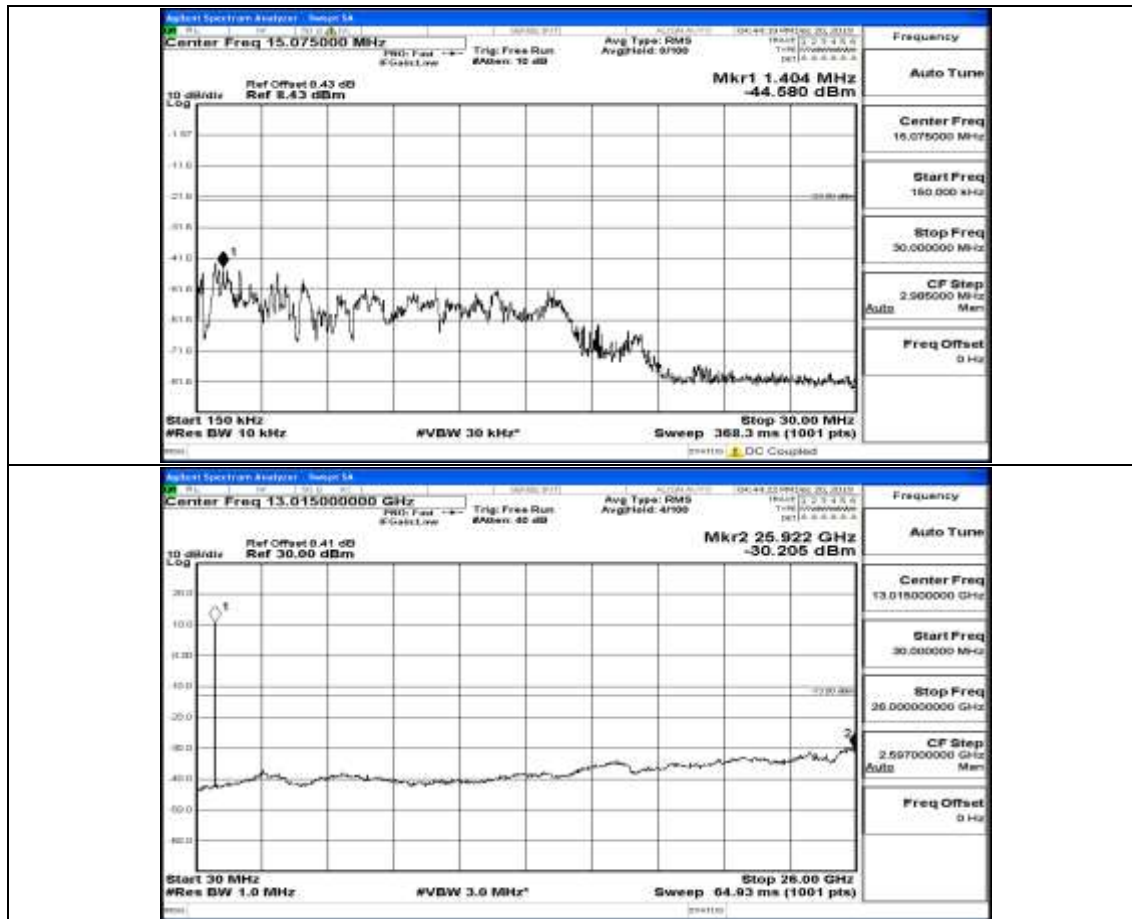
(Channel Bandwidth: 5 MHz)\_MCH\_16QAM\_1RB#0



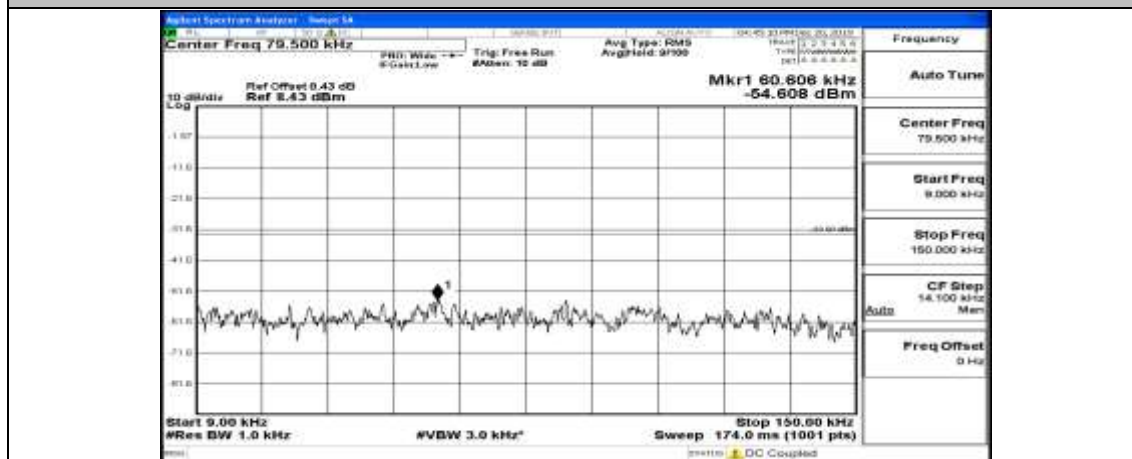
(Channel Bandwidth: 5 MHz)\_MCH\_16QAM\_1RB#12

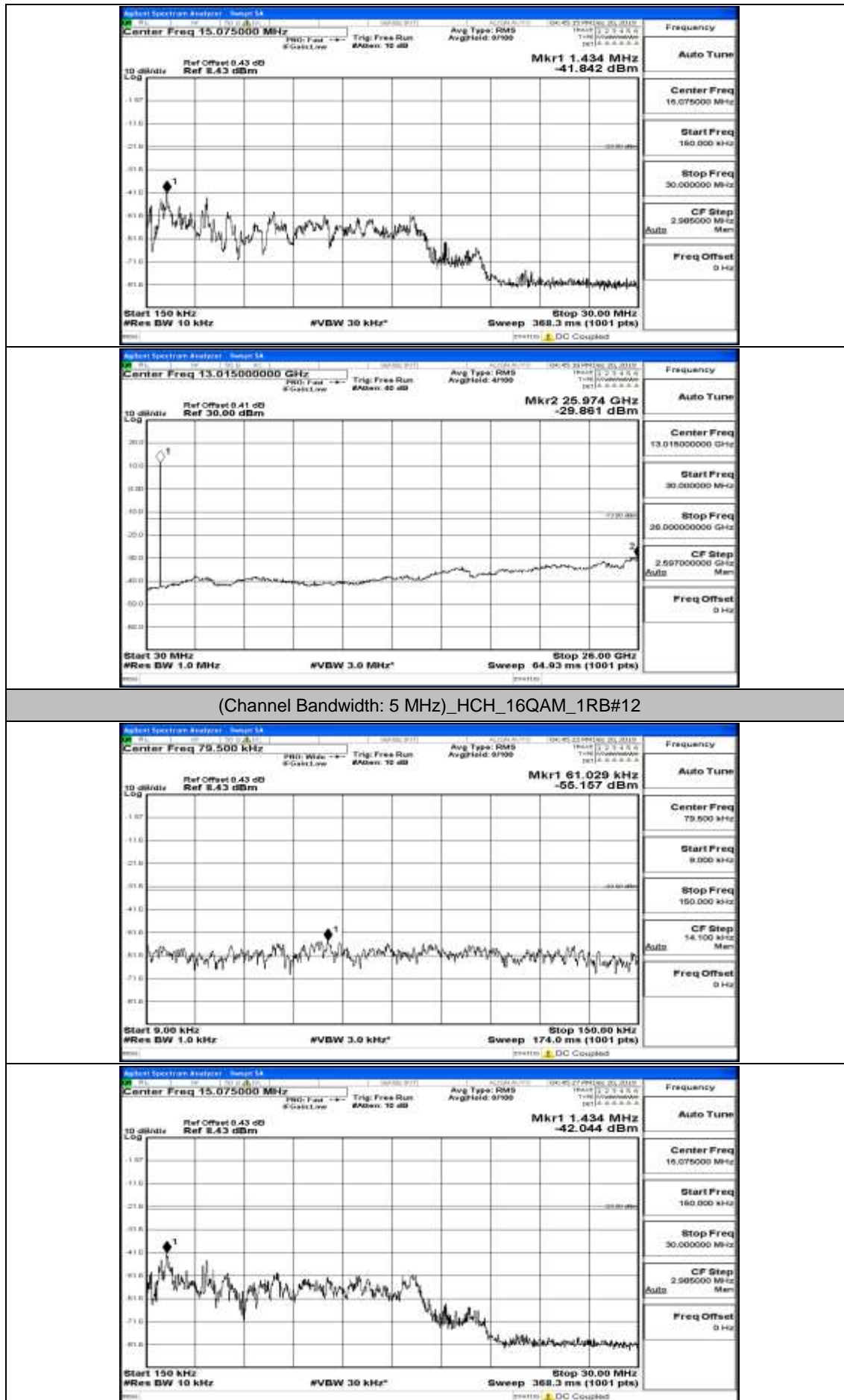






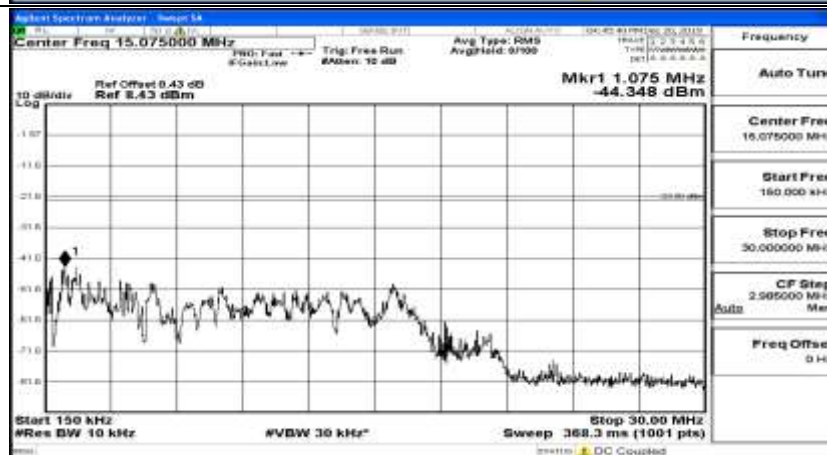
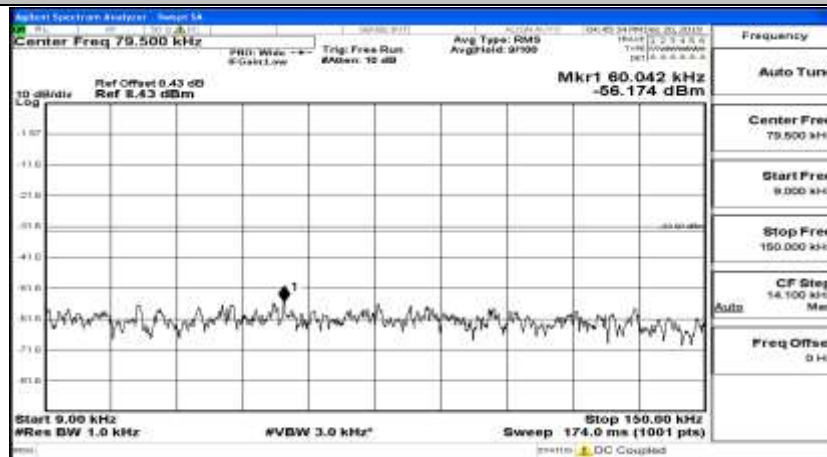
(Channel Bandwidth: 5 MHz)\_HCH\_16QAM\_1RB#0





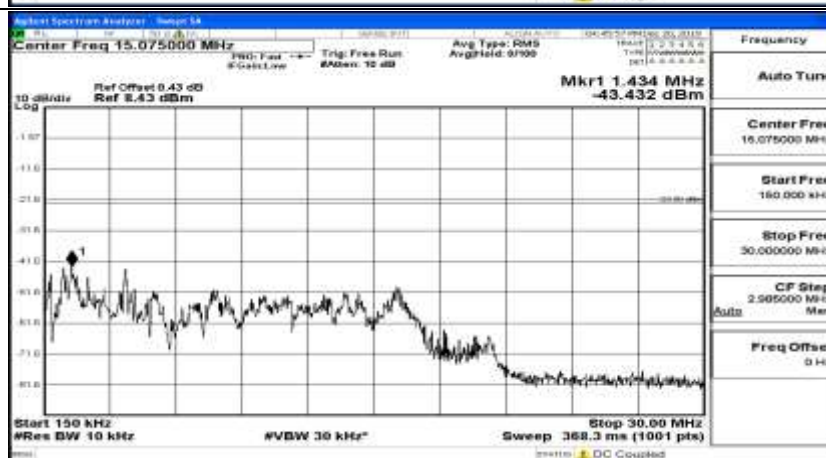
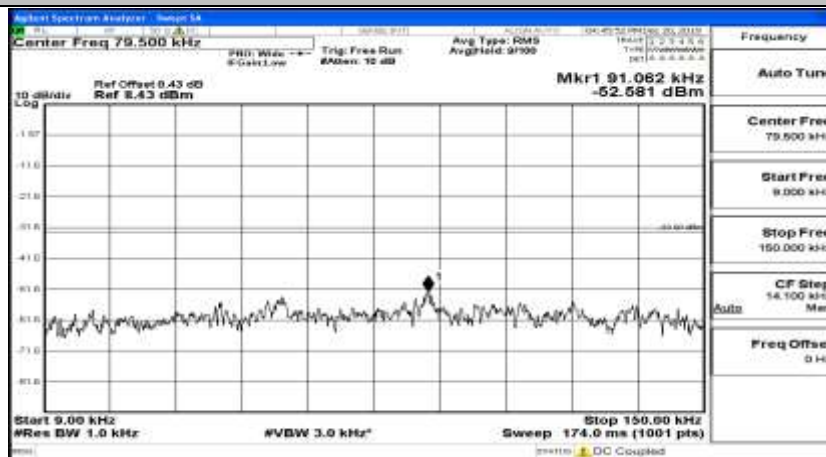


(Channel Bandwidth: 5 MHz)\_HCH\_16QAM\_1RB#24



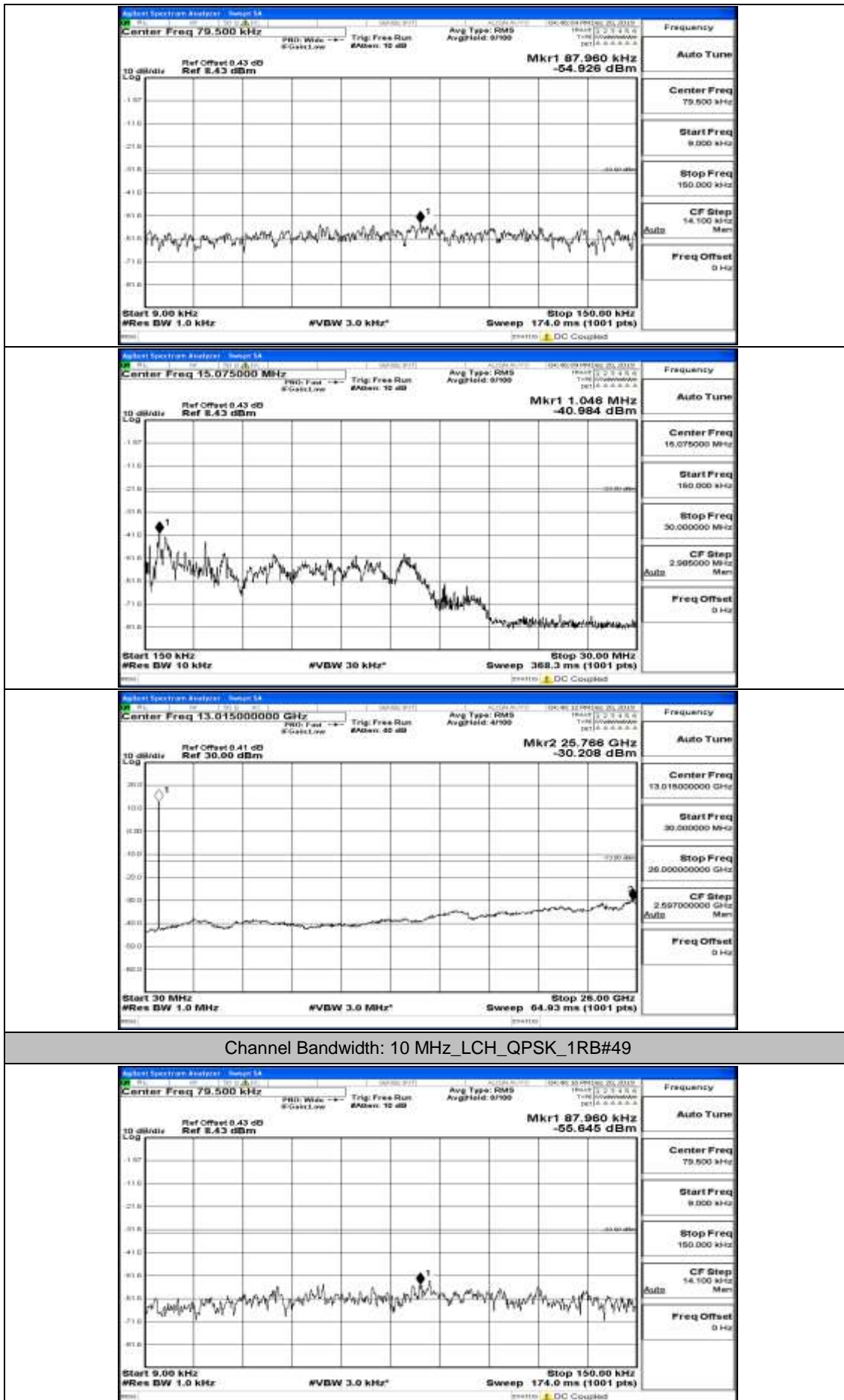
## Channel Bandwidth: 10 MHz

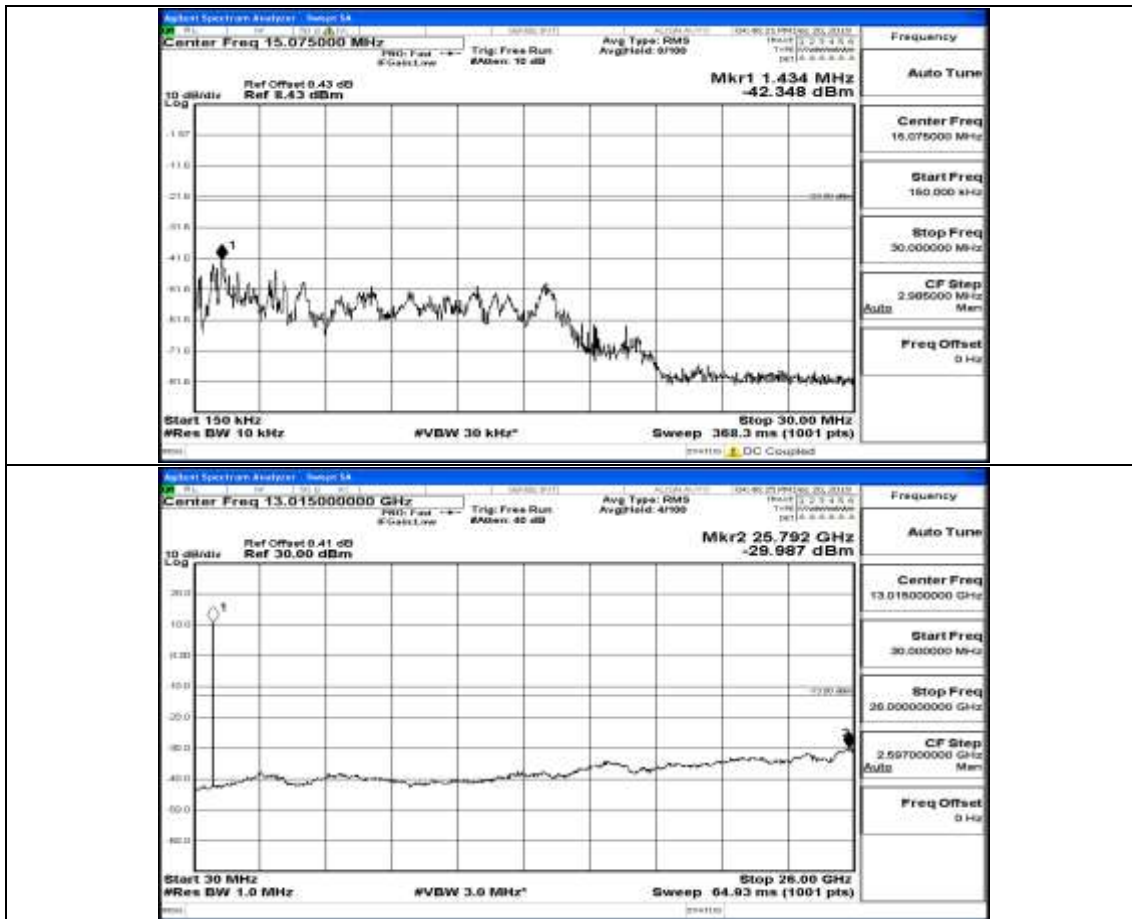
## Channel Bandwidth: 10 MHz\_LCH\_QPSK\_1RB#0



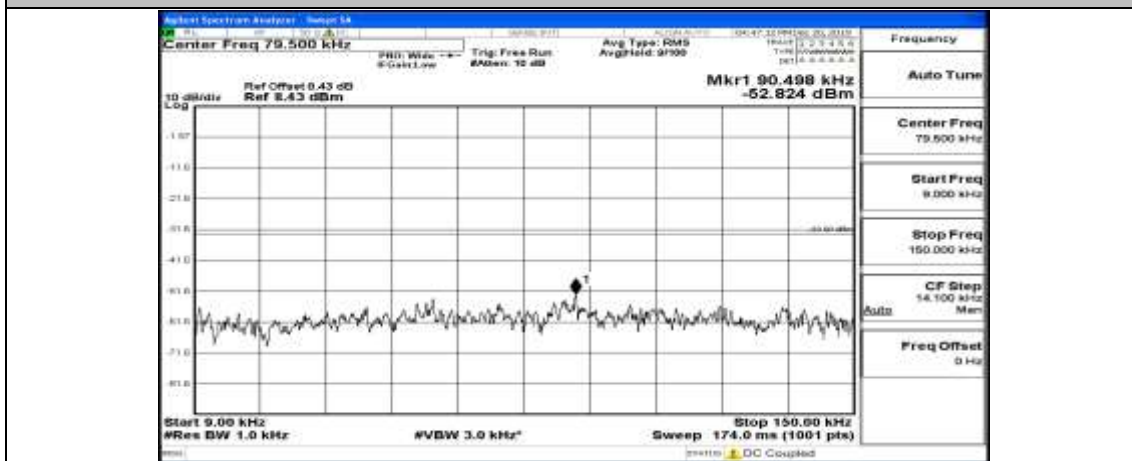
## Channel Bandwidth: 10 MHz\_LCH\_QPSK\_1RB#24

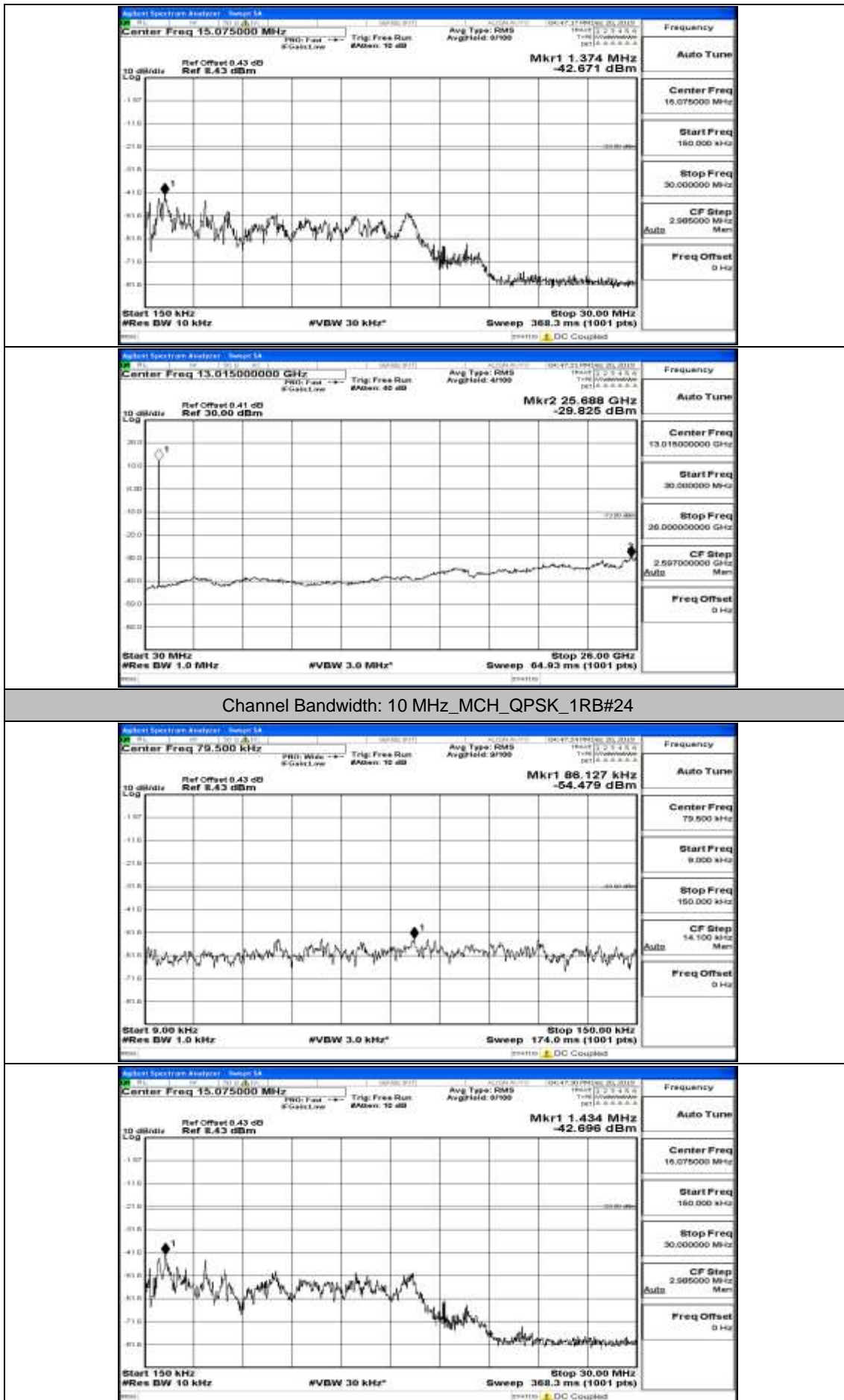






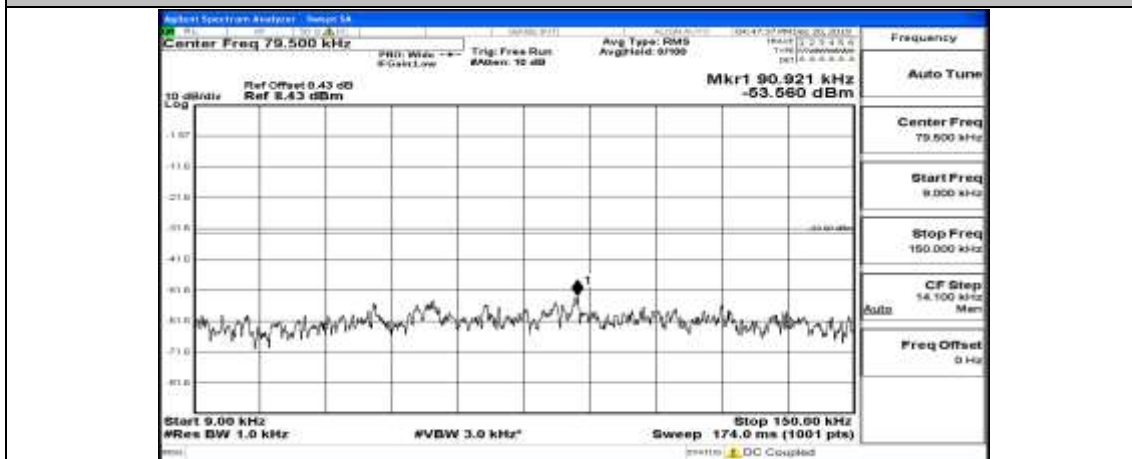
## Channel Bandwidth: 10 MHz\_MCH\_QPSK\_1RB#0





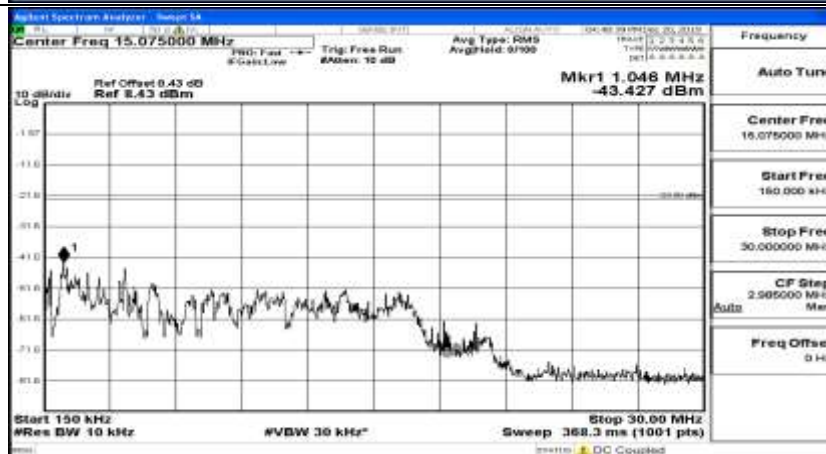
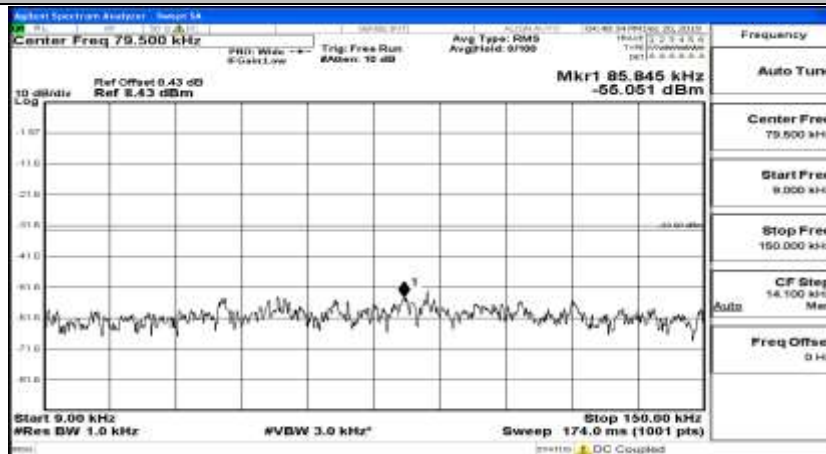


Channel Bandwidth: 10 MHz\_MCH\_QPSK\_1RB#49

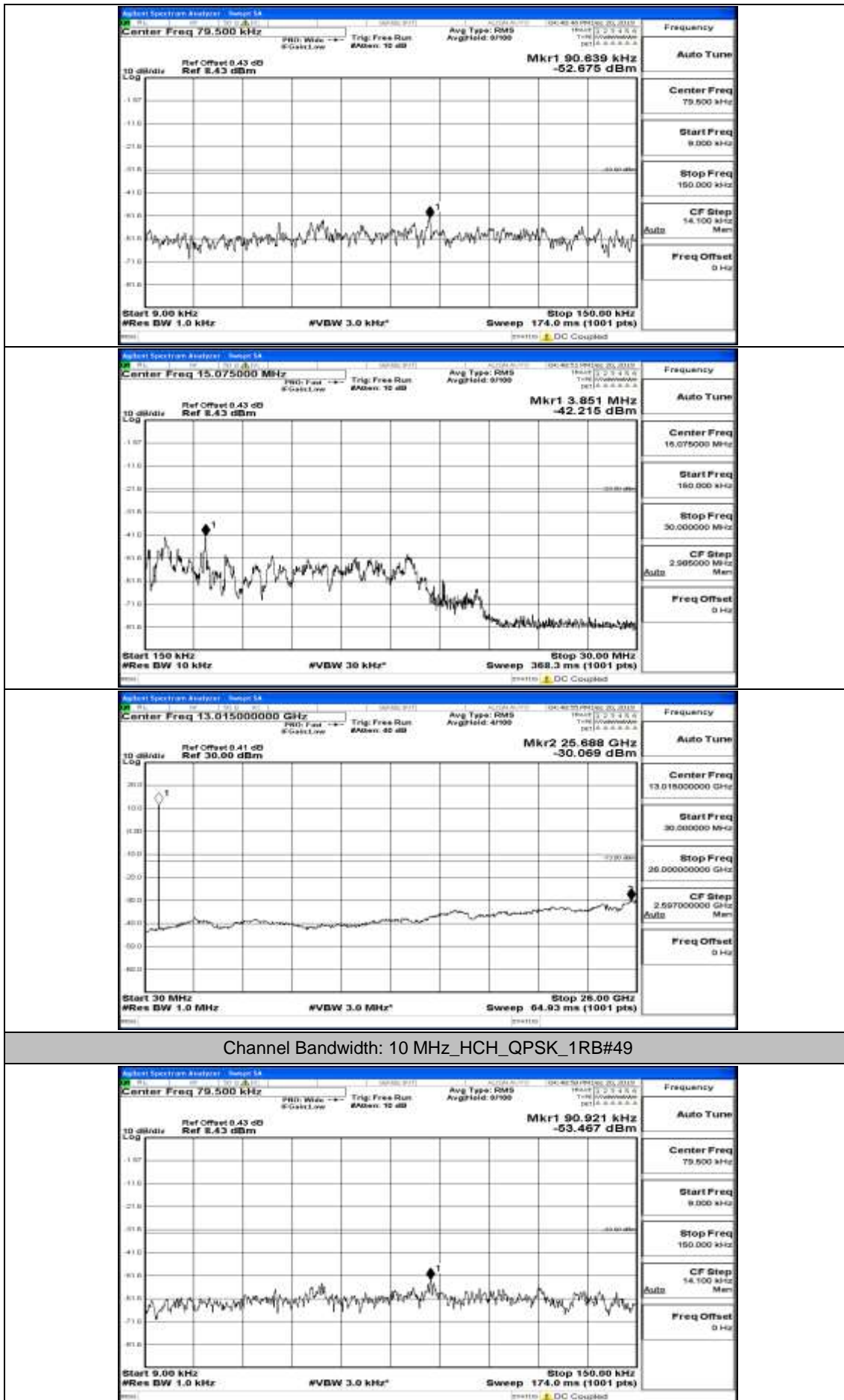




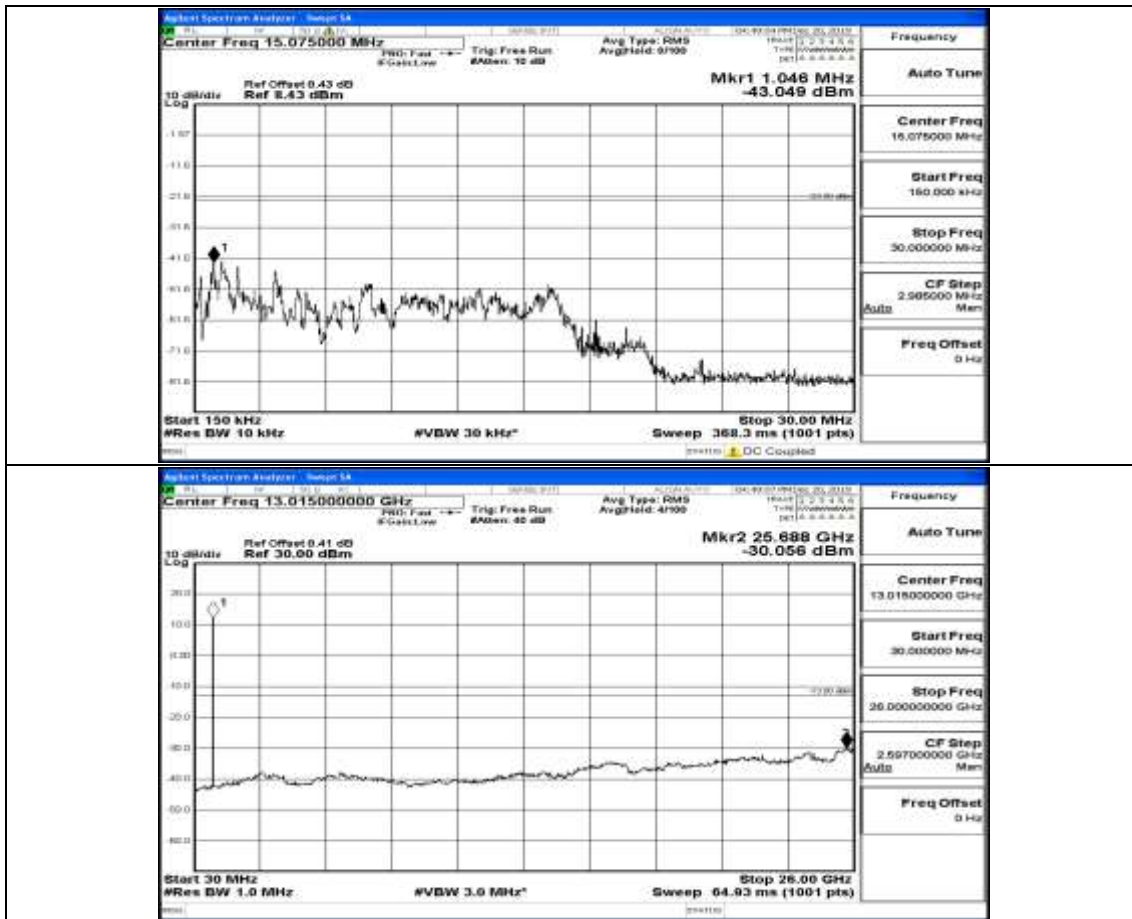
## Channel Bandwidth: 10 MHz\_HCH\_QPSK\_1RB#0



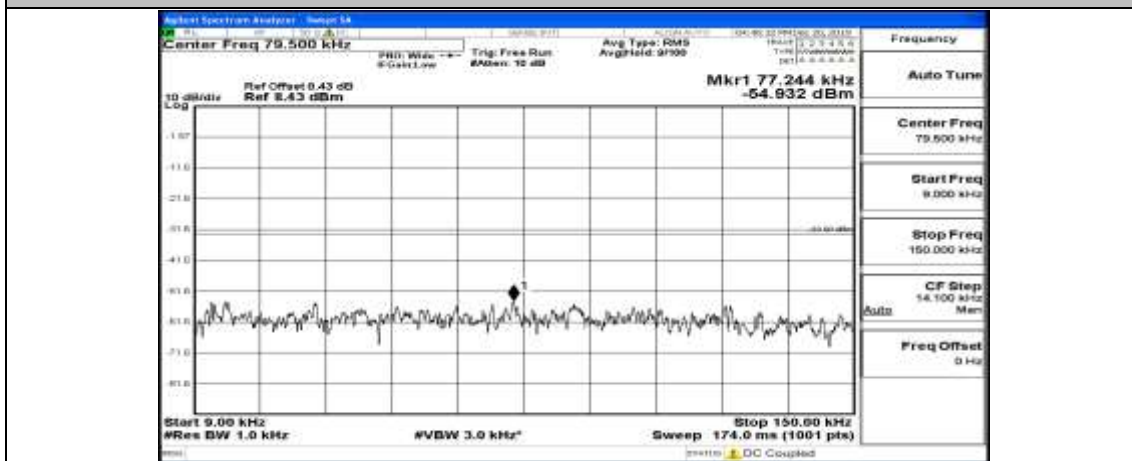
## Channel Bandwidth: 10 MHz\_HCH\_QPSK\_1RB#24

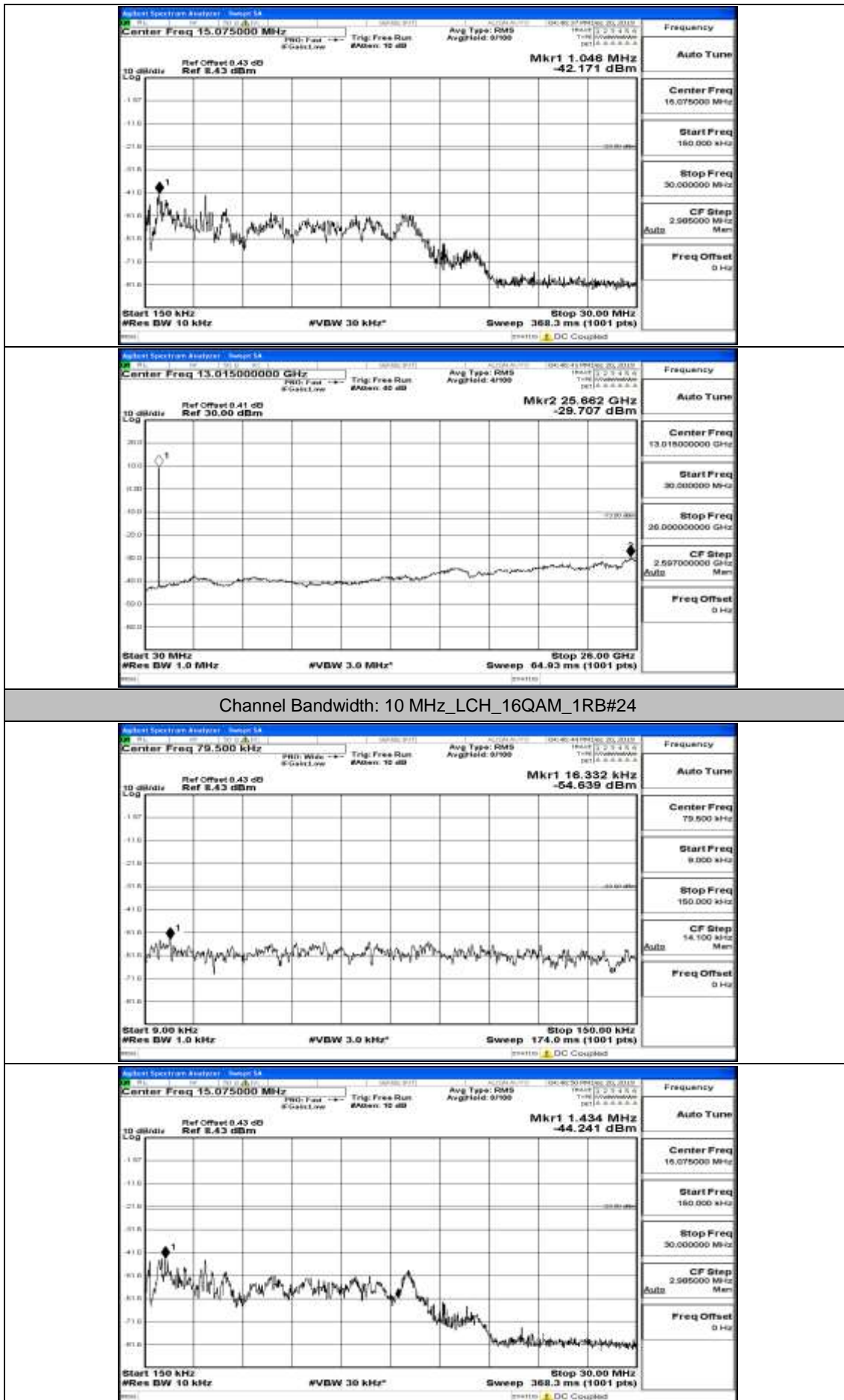






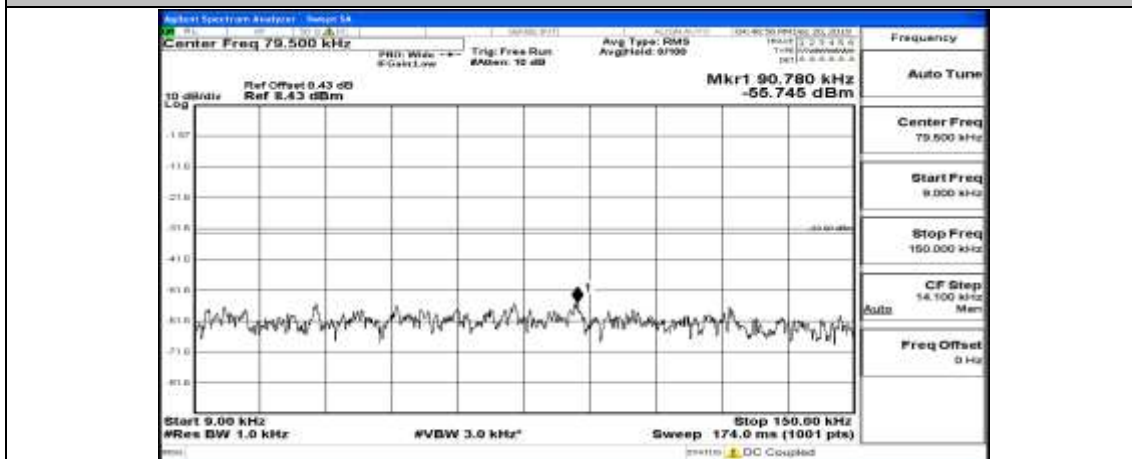
## Channel Bandwidth: 10 MHz\_LCH\_16QAM\_1RB#0



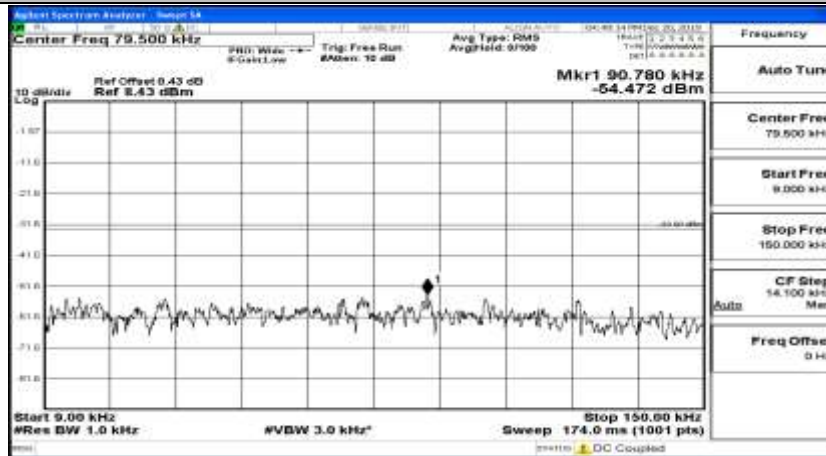




Channel Bandwidth: 10 MHz\_LCH\_16QAM\_1RB#49



Channel Bandwidth: 10 MHz\_HCH\_16QAM\_1RB#0



Channel Bandwidth: 10 MHz\_HCH\_16QAM\_1RB#24

