

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

Product Name: Cellular Wi-Fi Router

Trade Mark:  **Hongdian**

Test Model: H8951-NA

### Environmental Conditions

Temperature:	24.8° C
Relative Humidity:	52.3%
ATM Pressure:	100.0 kPa
Test Engineer:	Li Huan
Supervised by:	Tom.Liu

### F.1: Effective (Isotropic) Radiated Power Output Data

Conducted Output Power Test Result (Channel Bandwidth: 5 MHz)						
Modulation	Channel	RB Configuration		Average Power	Average Power	Verdict
		Size	Offset	[dBm] QPSK	[dBm] 16QAM	
QPSK / 16QAM	LCH	1	0	23.91	23.15	PASS
		1	12	24.08	23.51	PASS
		1	24	<b>24.19</b>	23.43	PASS
		12	0	23.03	21.98	PASS
		12	6	23.03	22.14	PASS
		12	13	23.05	22.27	PASS
		25	0	23.05	22.37	PASS
	MCH	1	0	24.29	23.68	PASS
		1	12	<b>24.69</b>	24.11	PASS
		1	24	24.38	23.85	PASS
		12	0	23.25	22.37	PASS
		12	6	23.51	22.61	PASS
		12	13	23.52	22.55	PASS
		25	0	23.26	22.21	PASS
	HCH	1	0	24.59	22.68	PASS
1		12	<b>24.71</b>	22.95	PASS	

		1	24	24.59	22.67	PASS
		12	0	23.39	22.34	PASS
		12	6	23.62	22.59	PASS
		12	13	23.44	22.53	PASS
		25	0	23.48	22.61	PASS

Conducted Output Power Test Result (Channel Bandwidth: 10 MHz)						
Modulation	Channel	RB Configuration		Average Power [dBm] QPSK	Average Power [dBm] 16QAM	Verdict
		Size	Offset			
QPSK / 16QAM	MCH	1	0	23.86	23.25	PASS
		1	24	24.60	24.12	PASS
		1	49	24.62	24.14	PASS
		25	0	23.19	22.23	PASS
		25	12	23.45	22.43	PASS
		25	25	23.51	22.55	PASS
		50	0	23.41	22.47	PASS

## F.2: Peak-to-Average Ratio

### Test Result

#### Channel Bandwidth: 5 MHz

Channel Bandwidth: 5 MHz						
Modulation	Channel	RB Configuration		Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
		Size	Offset			
QPSK	LCH	1	0	2.72	<13	PASS
		1	12	2.7	<13	PASS
		1	24	3.46	<13	PASS
		12	0	3.43	<13	PASS
		12	6	3.52	<13	PASS
		12	13	3.96	<13	PASS
		25	0	4.35	<13	PASS
	MCH	1	0	2.92	<13	PASS
		1	12	3.38	<13	PASS
		1	24	3.73	<13	PASS
		12	0	4.08	<13	PASS
		12	6	4.15	<13	PASS
		12	13	4.45	<13	PASS
		25	0	4.74	<13	PASS
	HCH	1	0	3.68	<13	PASS
		1	12	3.36	<13	PASS
		1	24	3.09	<13	PASS
		12	0	4.45	<13	PASS
		12	6	4.24	<13	PASS
		12	13	4.09	<13	PASS
		25	0	4.7	<13	PASS
16QAM	LCH	1	0	3.44	<13	PASS
		1	12	3.59	<13	PASS
		1	24	4.31	<13	PASS
		12	0	4.5	<13	PASS
		12	6	4.69	<13	PASS
		12	13	5.03	<13	PASS
		25	0	5.14	<13	PASS
	MCH	1	0	3.82	<13	PASS
		1	12	4.26	<13	PASS
		1	24	5.12	<13	PASS
		12	0	5.08	<13	PASS
		12	6	5.1	<13	PASS

		12	13	5.37	<13	PASS
		25	0	5.63	<13	PASS
	HCH	1	0	4.59	<13	PASS
		1	12	4.35	<13	PASS
		1	24	3.98	<13	PASS
		12	0	5.4	<13	PASS
		12	6	5.18	<13	PASS
		12	13	5.05	<13	PASS
		25	0	5.54	<13	PASS

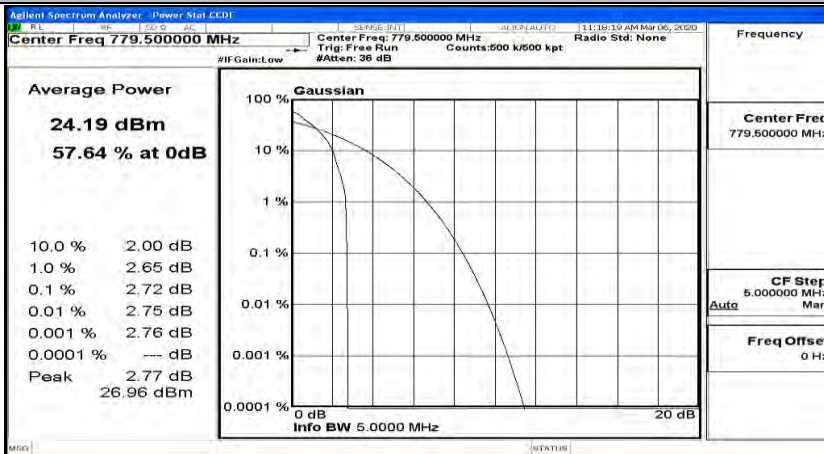
**Channel Bandwidth: 10 MHz**

Channel Bandwidth: 10 MHz						
Modulation	Channel	RB Configuration		Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
		Size	Offset			
QPSK	MCH	1	0	2.83	<13	PASS
		1	24	3.39	<13	PASS
		1	49	2.94	<13	PASS
		25	0	4.05	<13	PASS
		25	12	4.28	<13	PASS
		25	25	4.46	<13	PASS
		50	0	4.65	<13	PASS
16QAM	MCH	1	0	3.24	<13	PASS
		1	24	3.91	<13	PASS
		1	49	3.84	<13	PASS
		25	0	4.95	<13	PASS
		25	12	5.23	<13	PASS
		25	25	5.41	<13	PASS
		50	0	5.5	<13	PASS

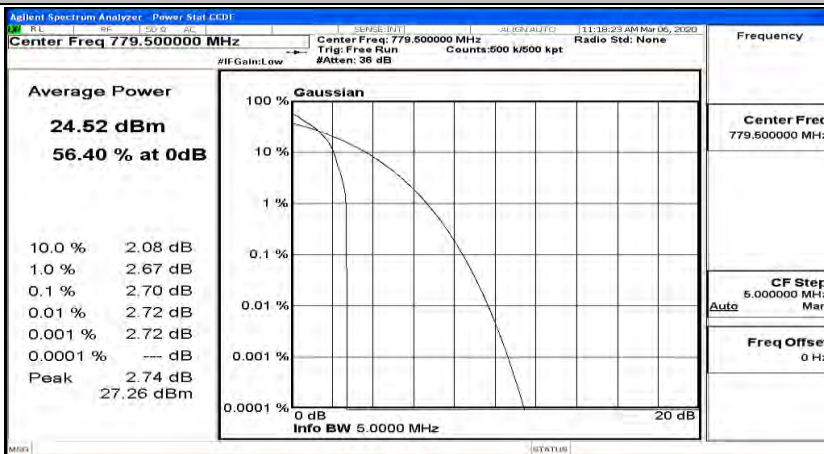
### Test Graphs

#### Channel Bandwidth: 5 MHz

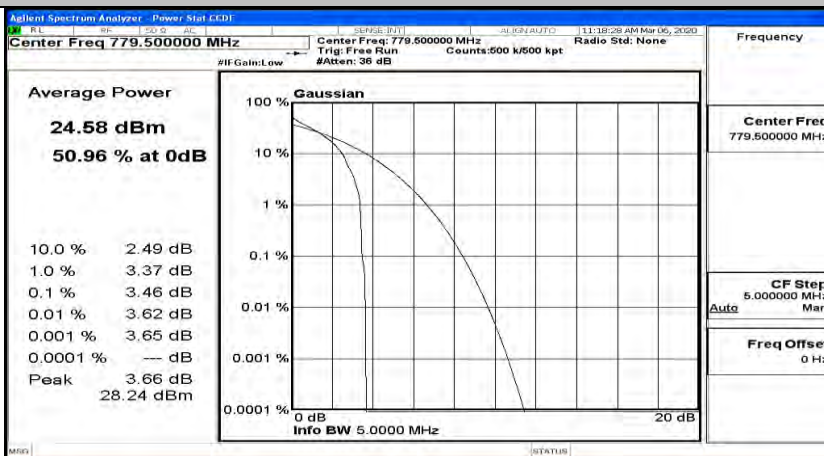
(Channel Bandwidth: 5 MHz)\_LCH\_QPSK\_1RB#0



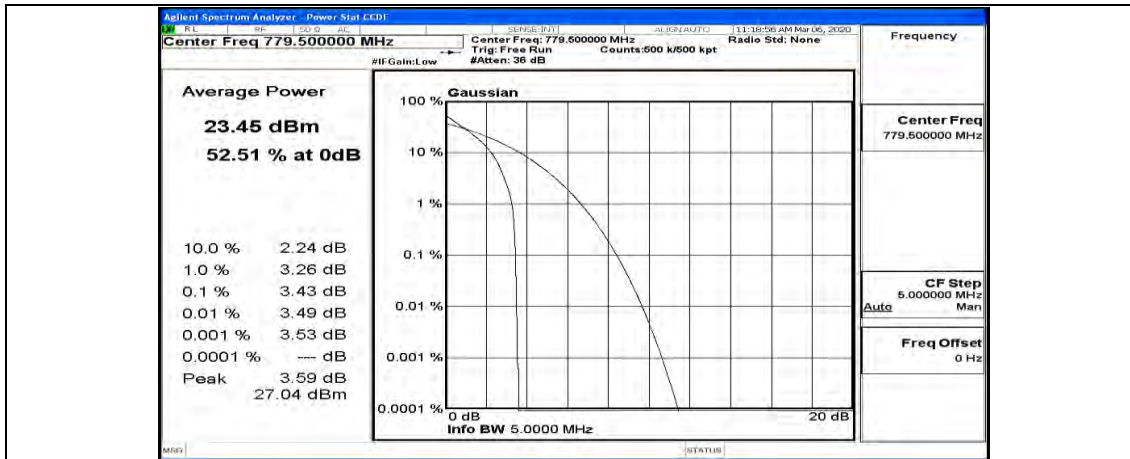
(Channel Bandwidth: 5 MHz)\_LCH\_QPSK\_1RB#12



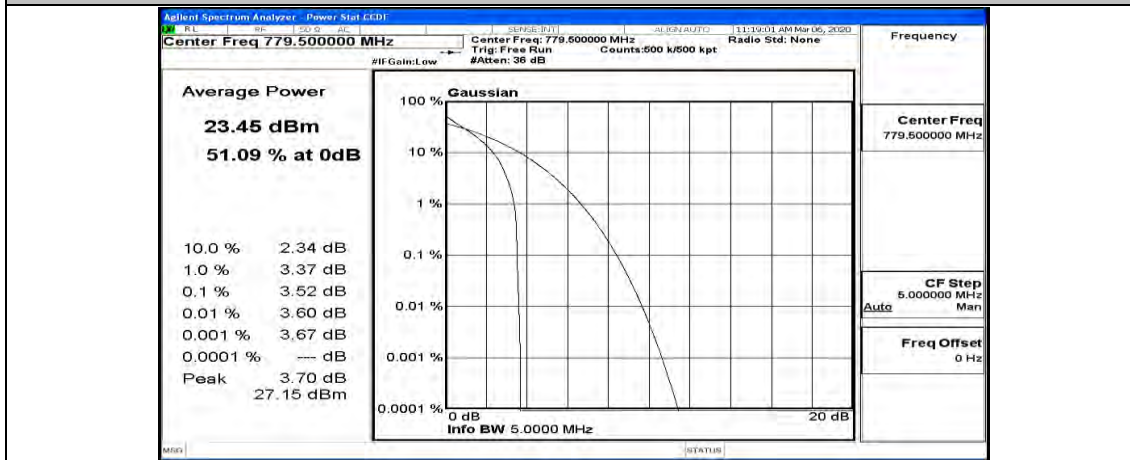
(Channel Bandwidth: 5 MHz)\_LCH\_QPSK\_1RB#24



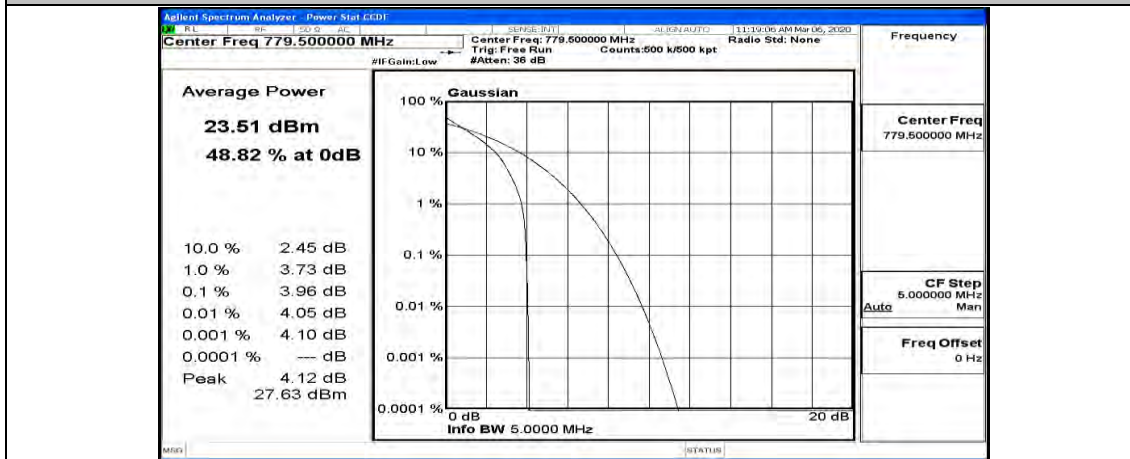
(Channel Bandwidth: 5 MHz)\_LCH\_QPSK\_12RB#0



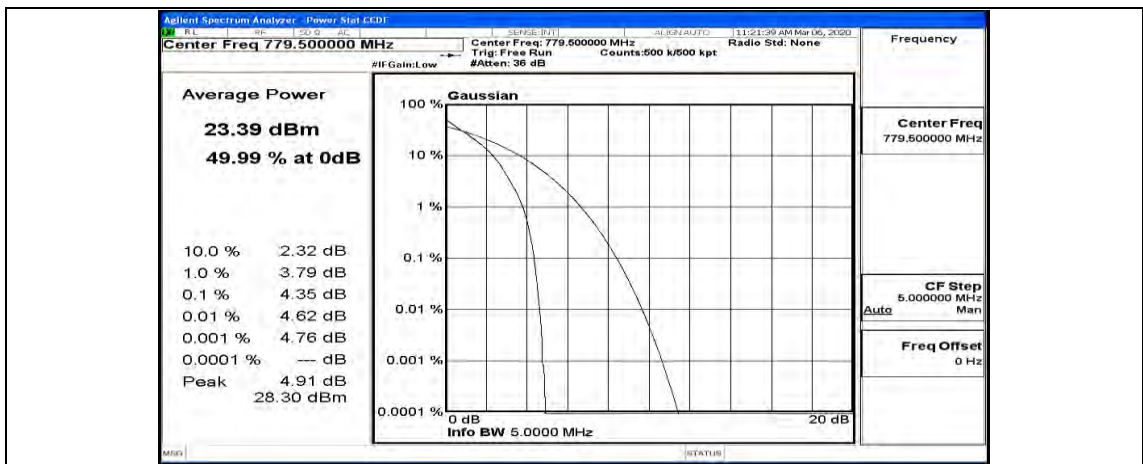
(Channel Bandwidth: 5 MHz)\_LCH\_QPSK\_12RB#6



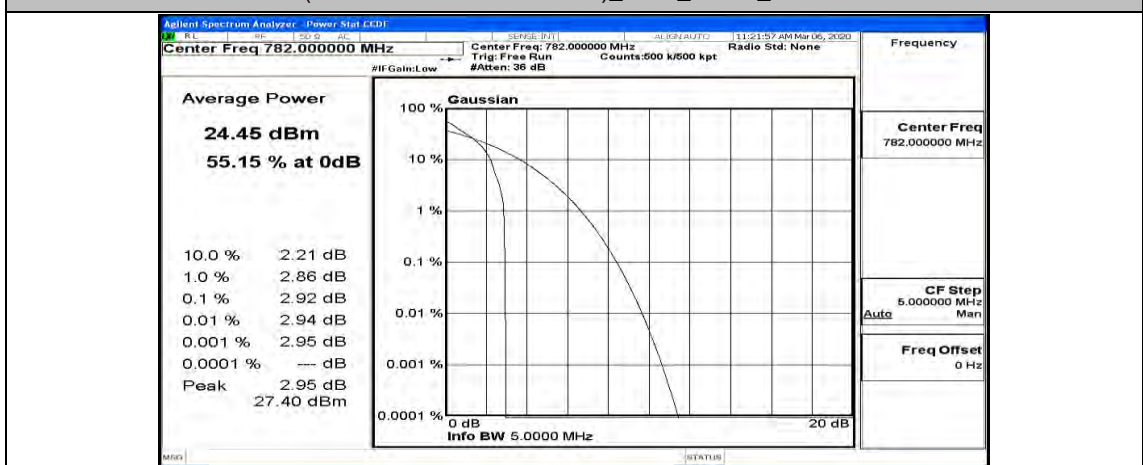
(Channel Bandwidth: 5 MHz)\_LCH\_QPSK\_12RB#13



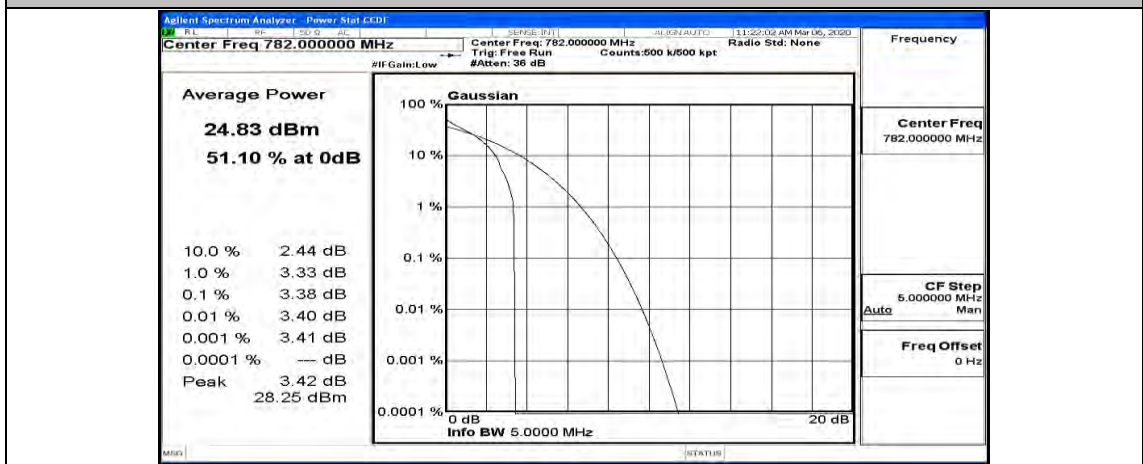
(Channel Bandwidth: 5 MHz)\_LCH\_QPSK\_25RB#0



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

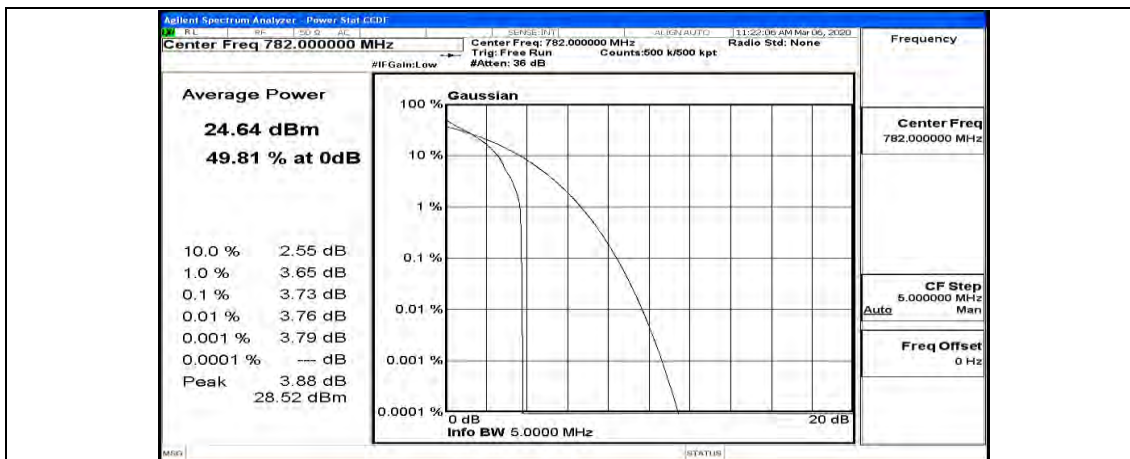


(Channel Bandwidth: 5 MHz)\_MCH\_QPSK\_1RB#12

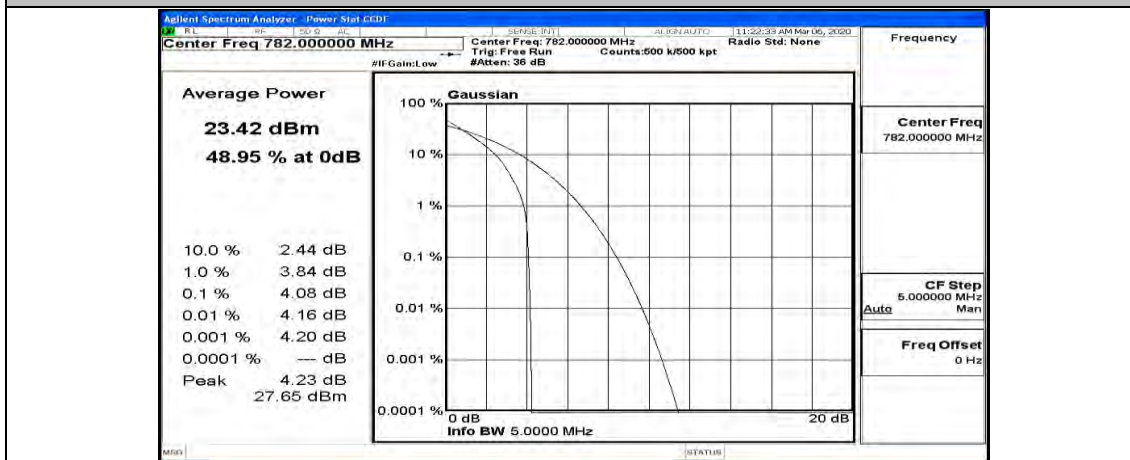


(Channel Bandwidth: 5 MHz)\_MCH\_QPSK\_1RB#24

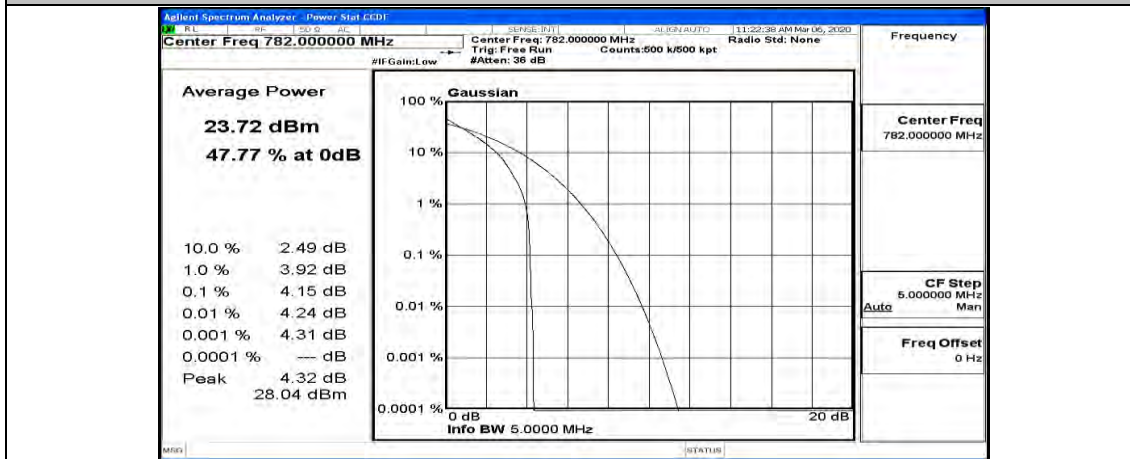




(Channel Bandwidth: 5 MHz)\_MCH\_QPSK\_12RB#0

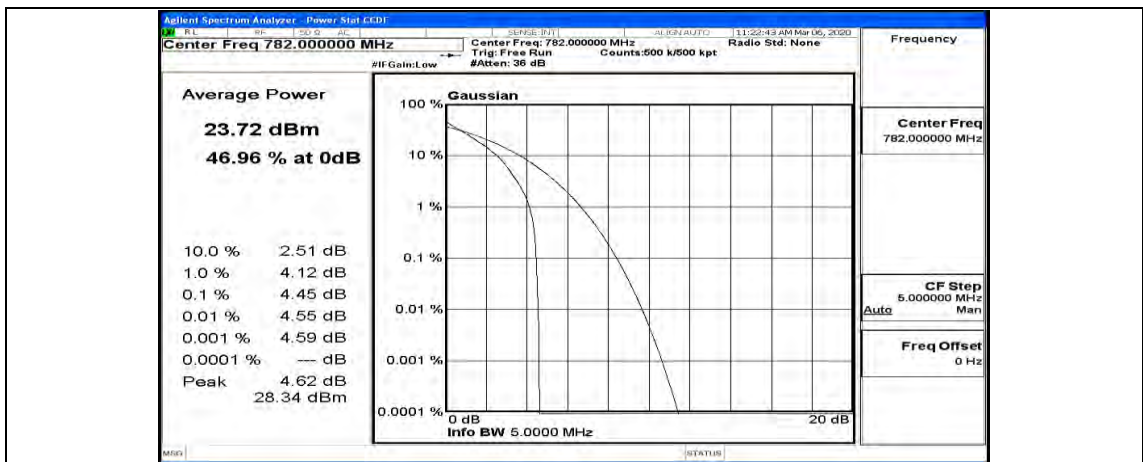


(Channel Bandwidth: 5 MHz)\_MCH\_QPSK\_12RB#6

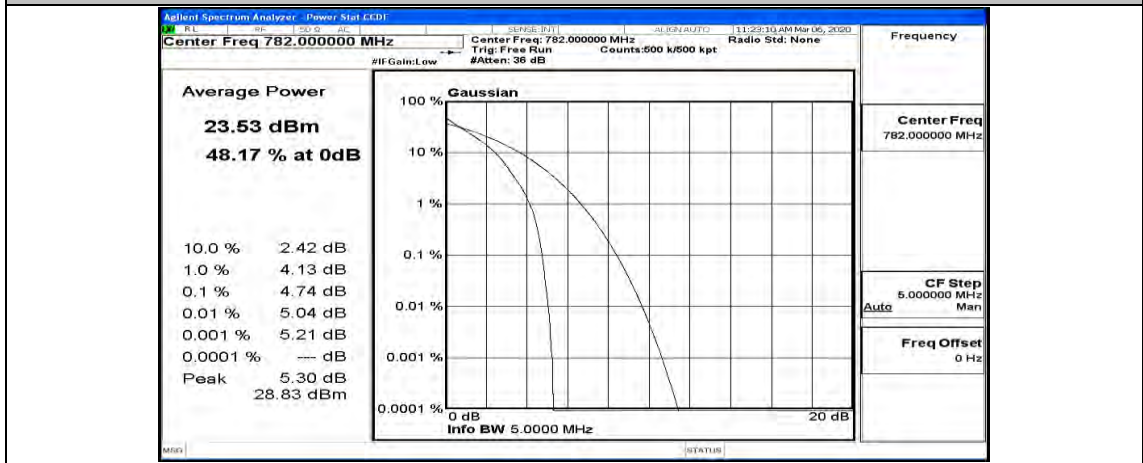


(Channel Bandwidth: 5 MHz)\_MCH\_QPSK\_12RB#13

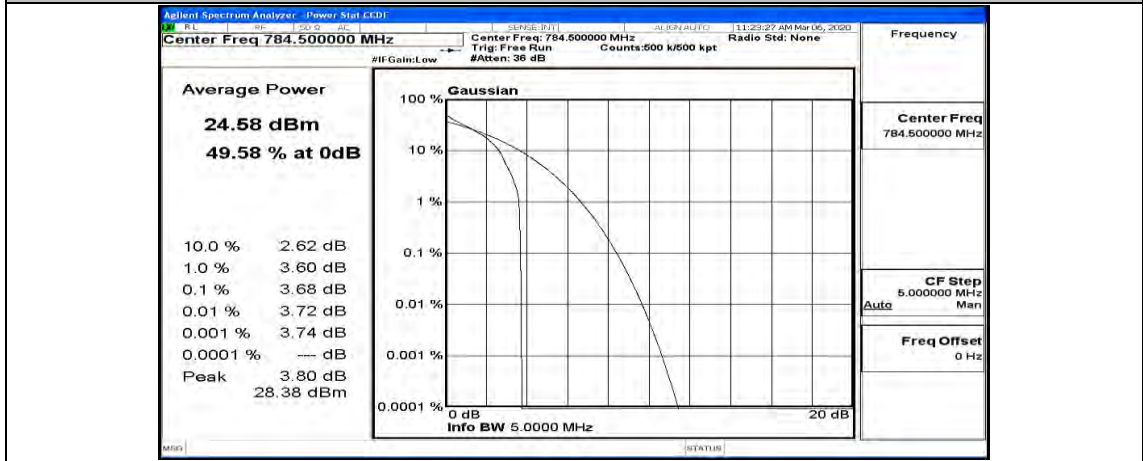




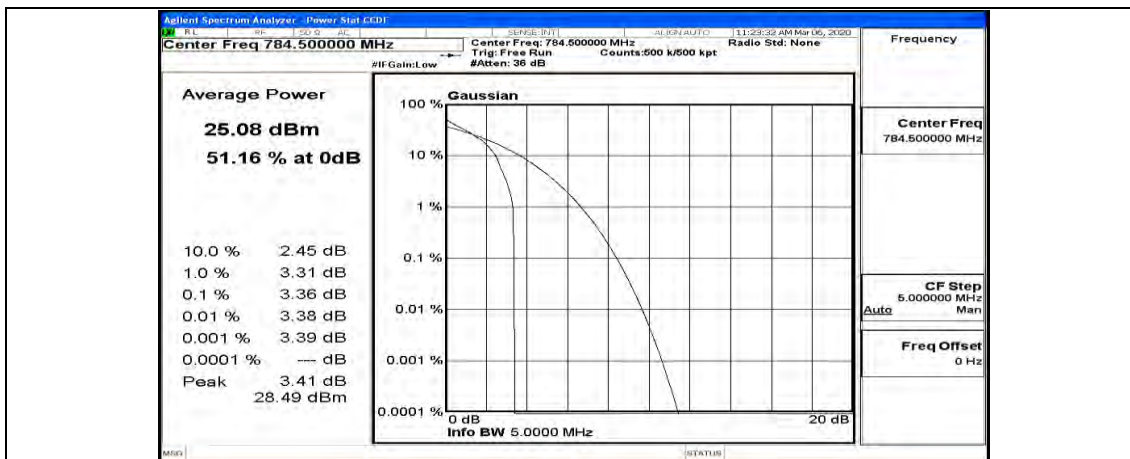
(Channel Bandwidth: 5 MHz)\_MCH\_QPSK\_25RB#0



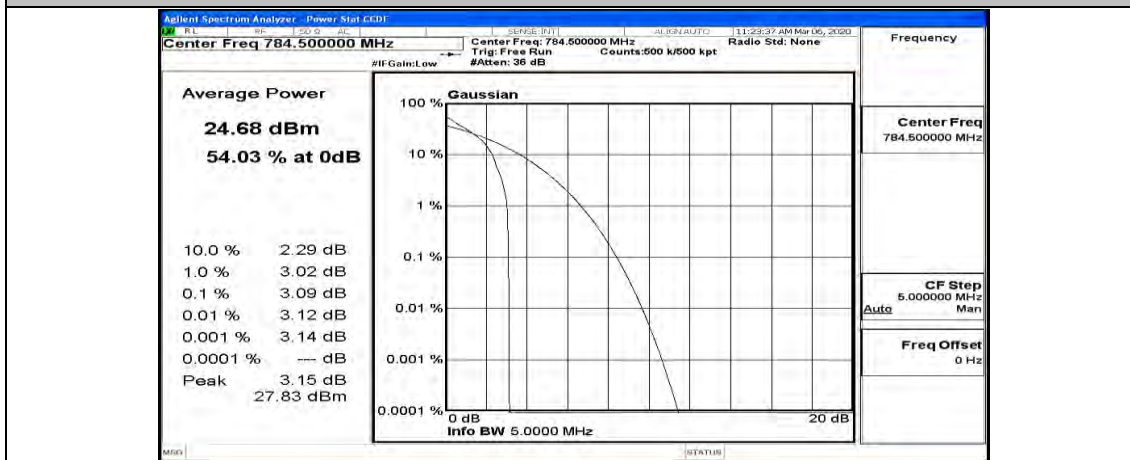
(Channel Bandwidth: 5 MHz)\_HCH\_QPSK\_1RB#0



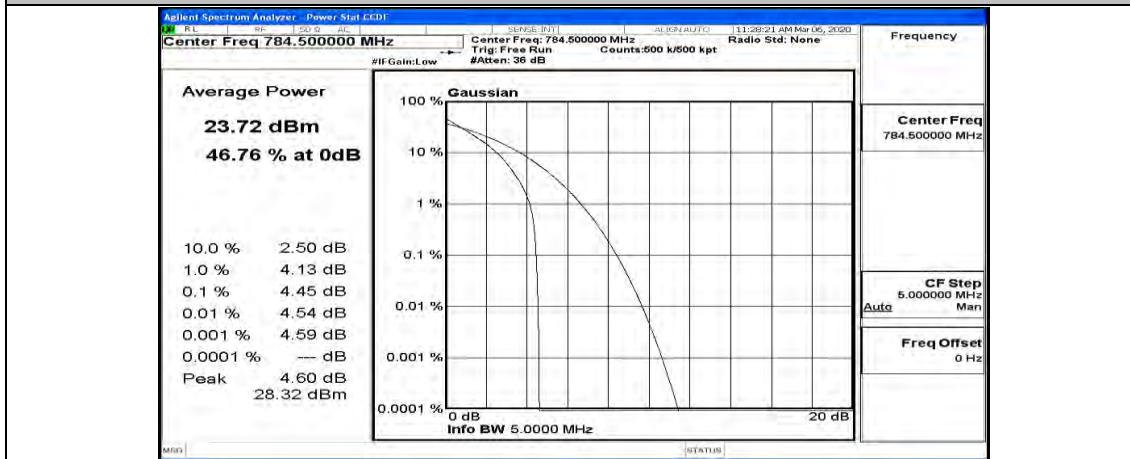
(Channel Bandwidth: 5 MHz)\_HCH\_QPSK\_1RB#12



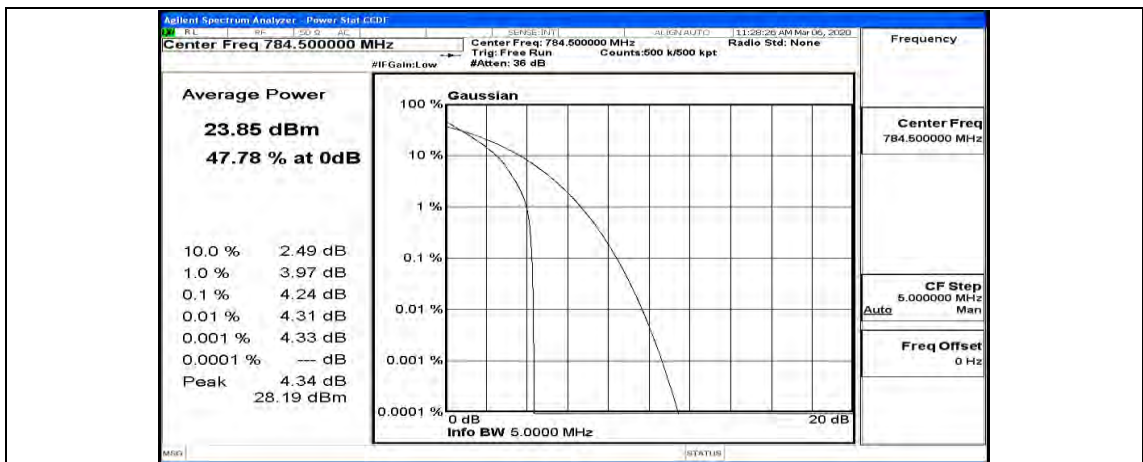
(Channel Bandwidth: 5 MHz)\_HCH\_QPSK\_1RB#24



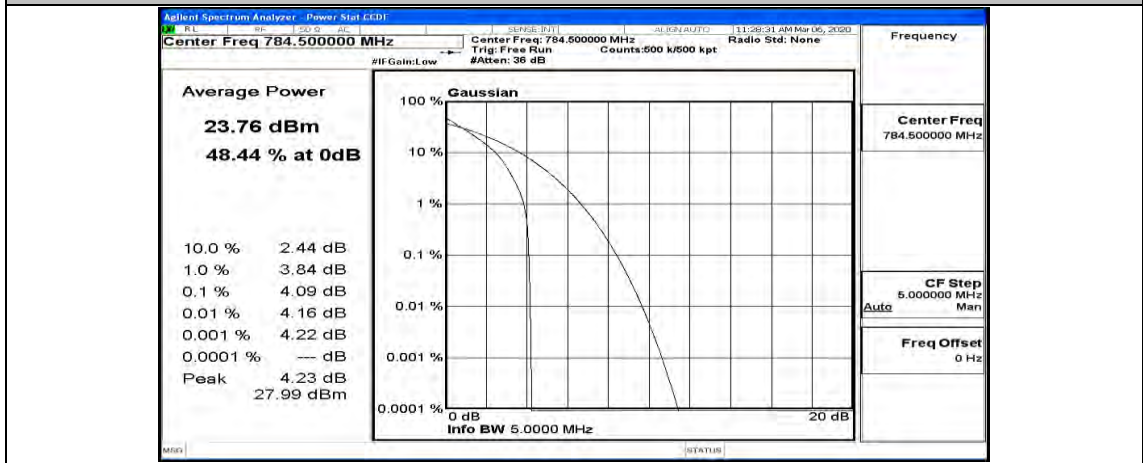
(Channel Bandwidth: 5 MHz)\_HCH\_QPSK\_12RB#0



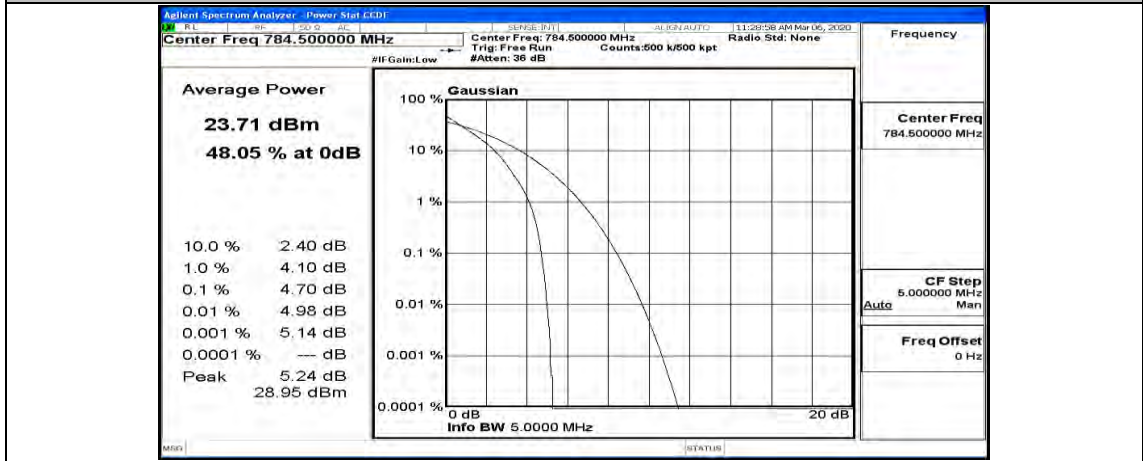
(Channel Bandwidth: 5 MHz)\_HCH\_QPSK\_12RB#6



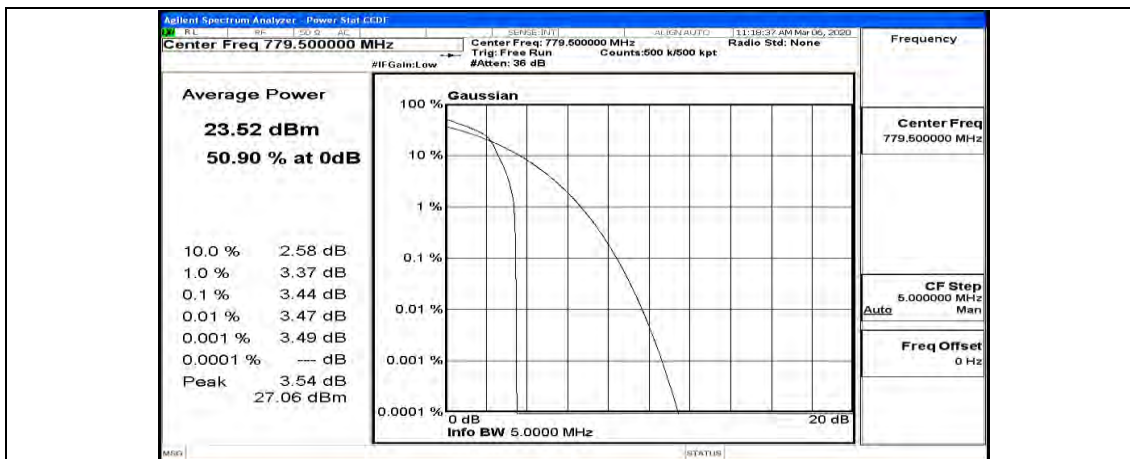
(Channel Bandwidth: 5 MHz)\_HCH\_QPSK\_12RB#13



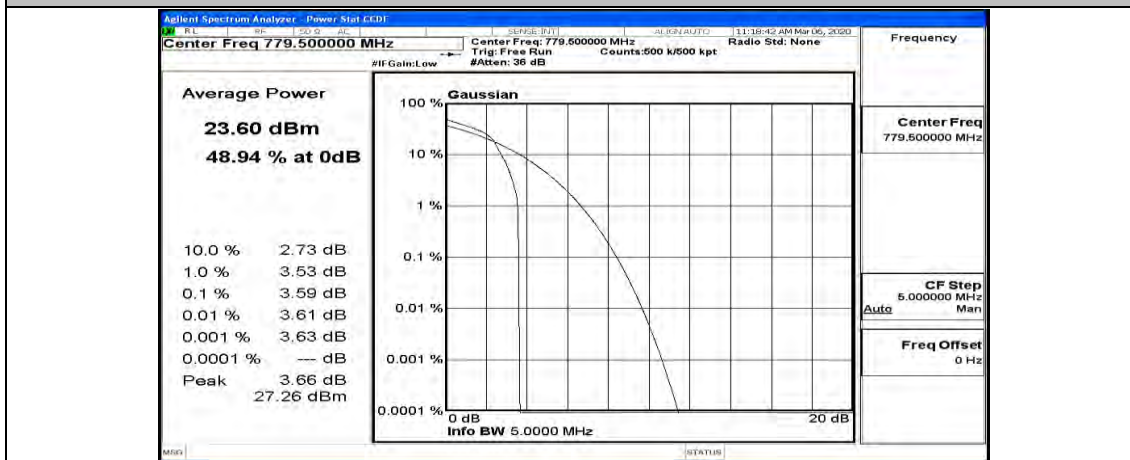
(Channel Bandwidth: 5 MHz)\_HCH\_QPSK\_25RB#0



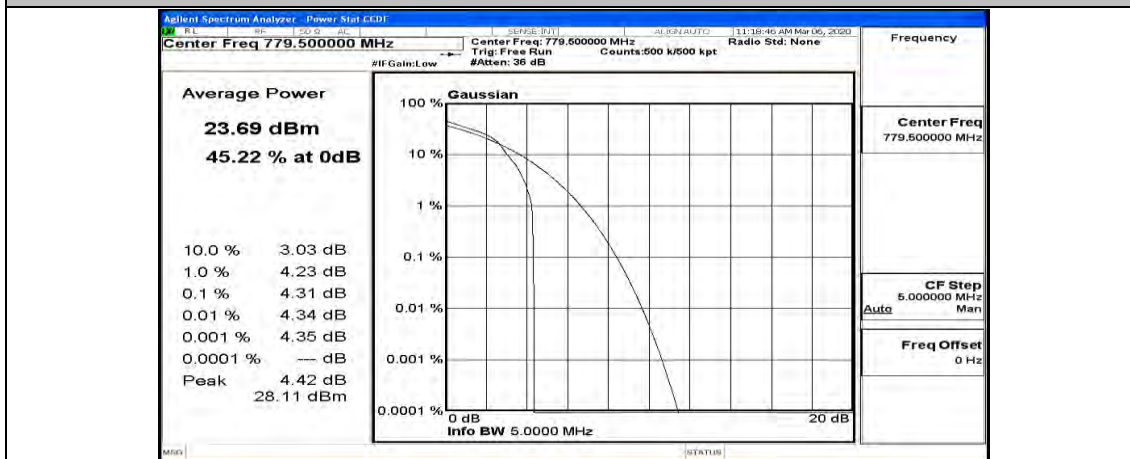
(Channel Bandwidth: 5 MHz)\_LCH\_16QAM\_1RB#0



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

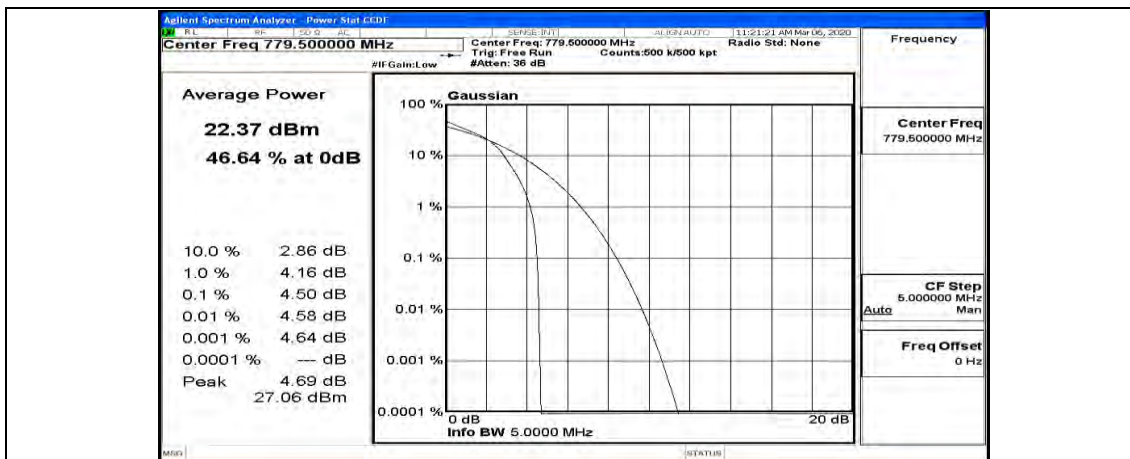


(Channel Bandwidth: 5 MHz)\_LCH\_16QAM\_1RB#24

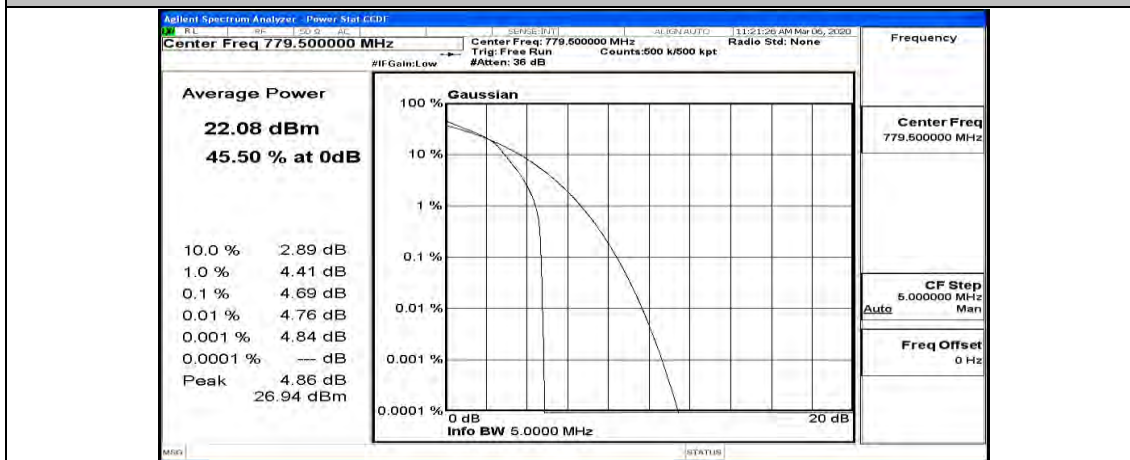


(Channel Bandwidth: 5 MHz)\_LCH\_16QAM\_12RB#0

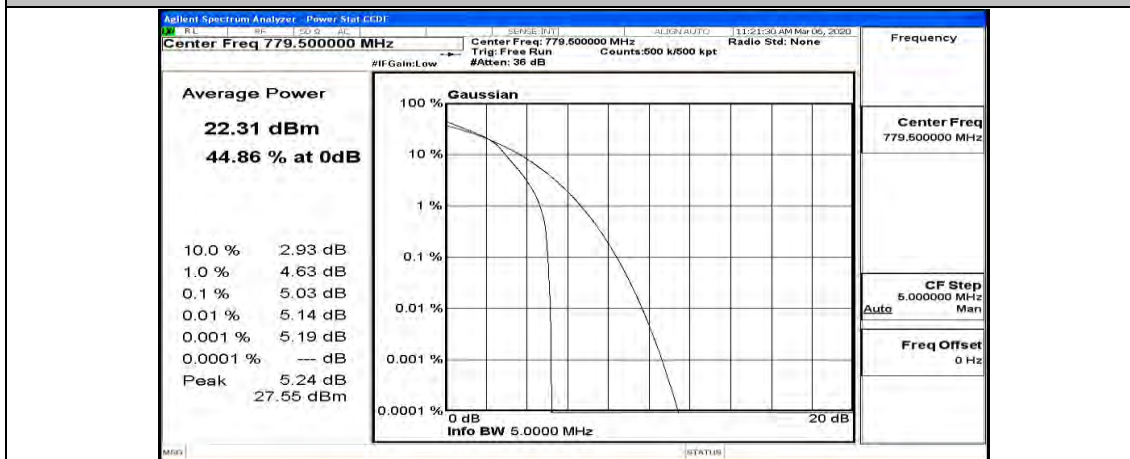




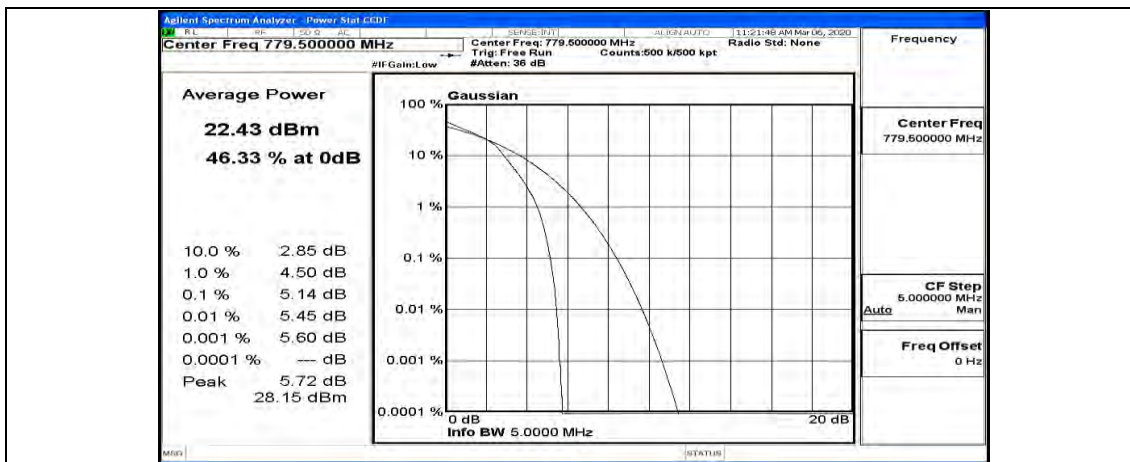
(Channel Bandwidth: 5 MHz)\_LCH\_16QAM\_12RB#6



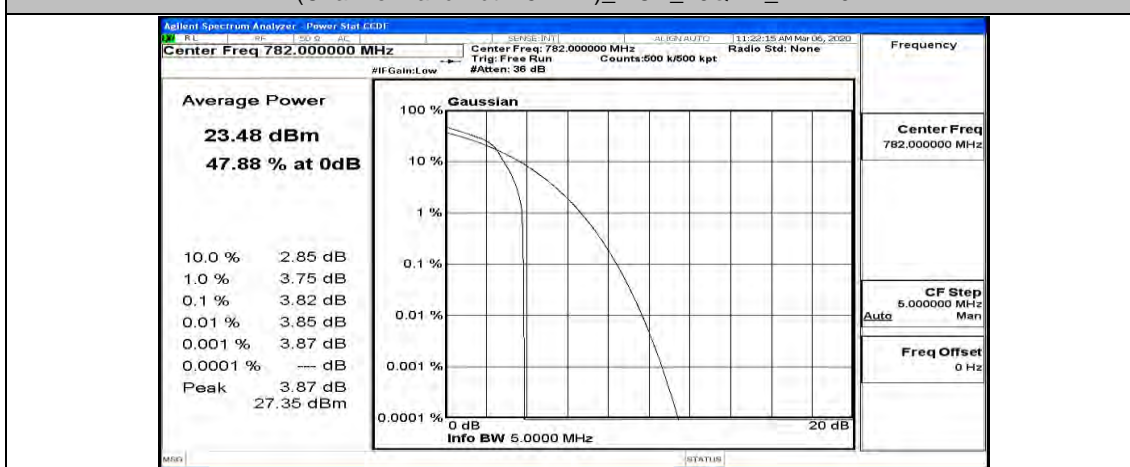
(Channel Bandwidth: 5 MHz)\_LCH\_16QAM\_12RB#13



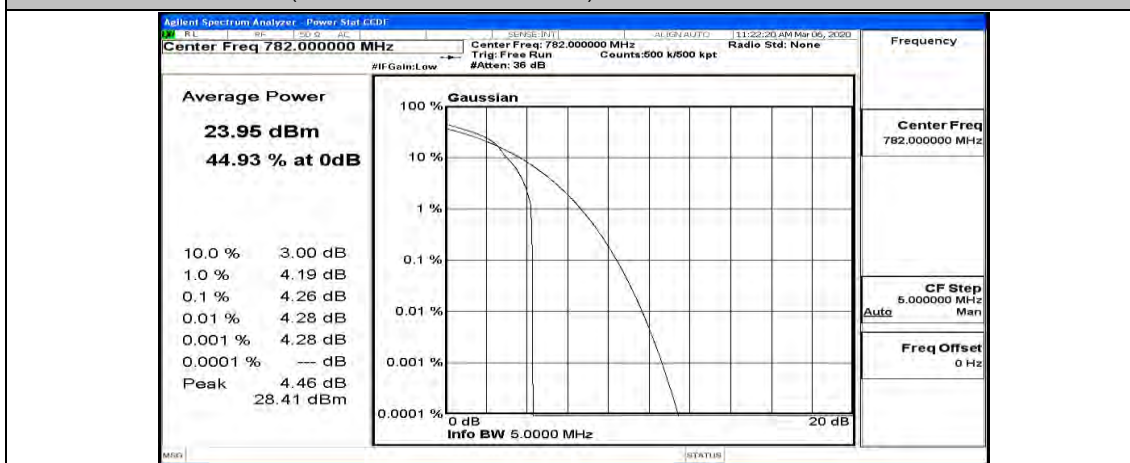
(Channel Bandwidth: 5 MHz)\_LCH\_16QAM\_25RB#0



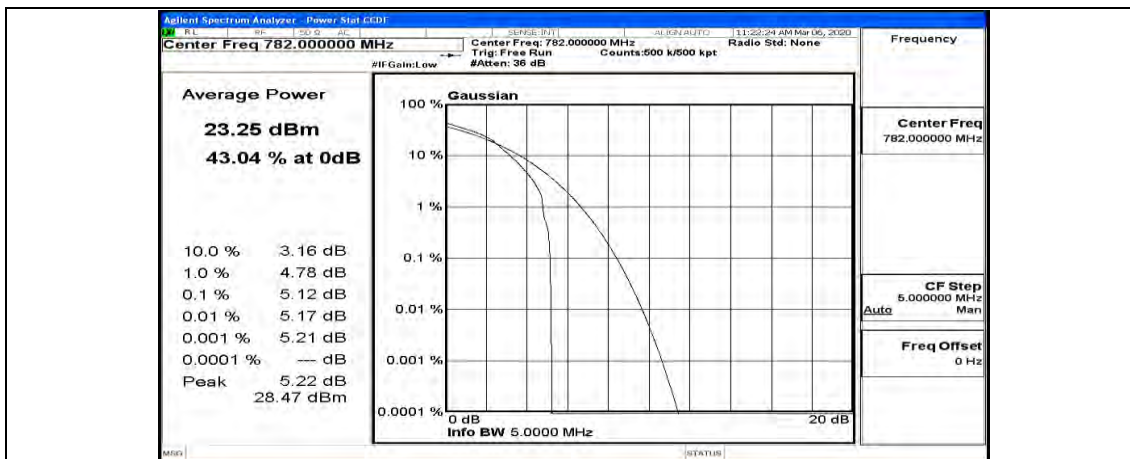
(Channel Bandwidth: 5 MHz)\_MCH\_16QAM\_1RB#0



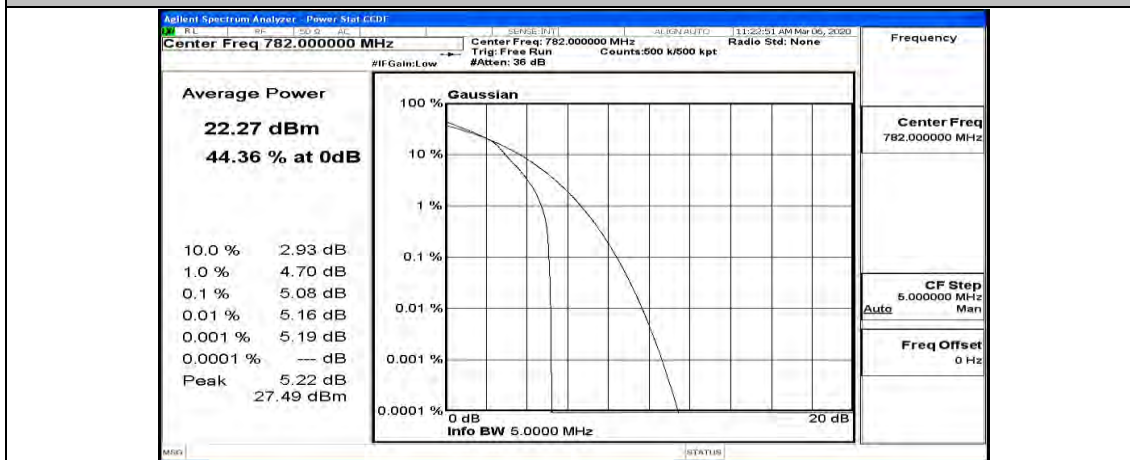
(Channel Bandwidth: 5 MHz)\_MCH\_16QAM\_1RB#12



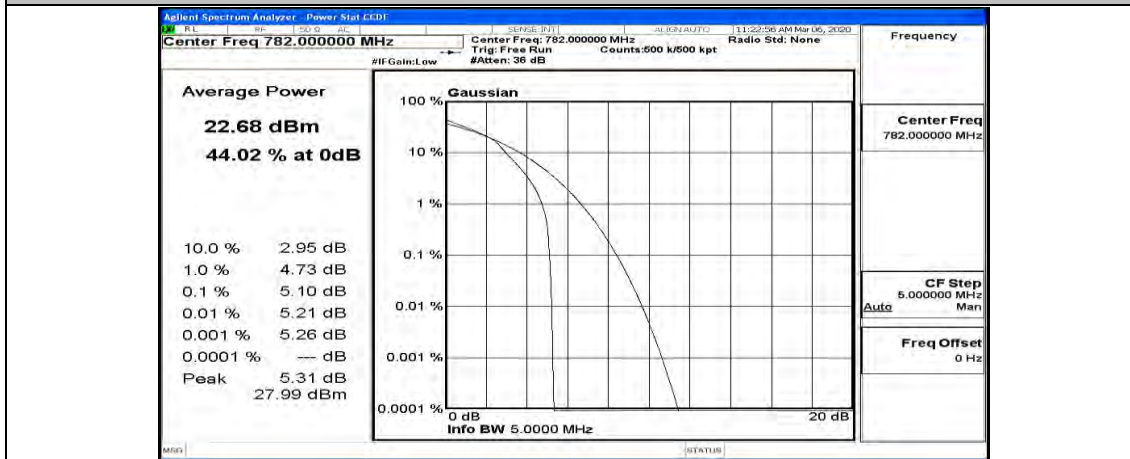
(Channel Bandwidth: 5 MHz)\_MCH\_16QAM\_1RB#24



(Channel Bandwidth: 5 MHz)\_MCH\_16QAM\_12RB#0

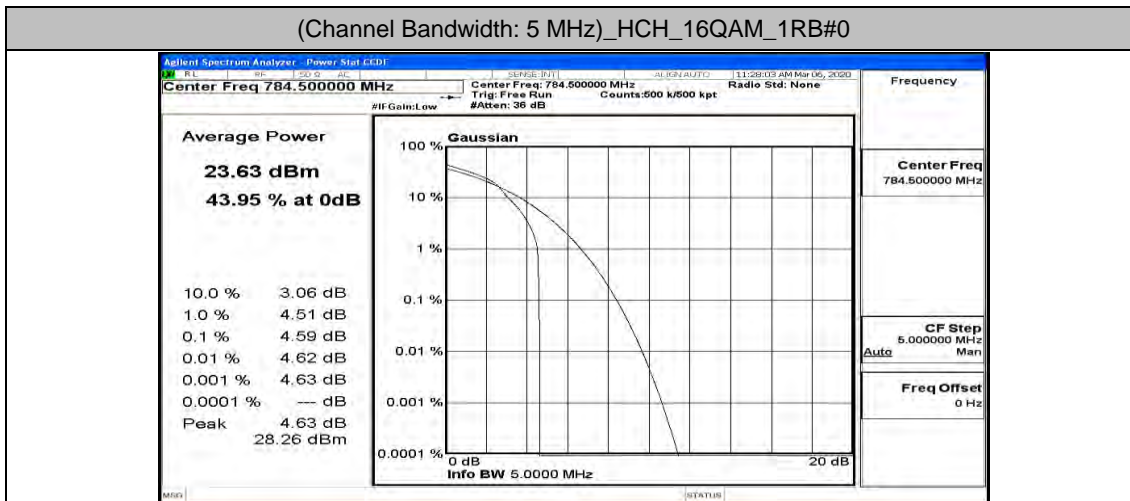
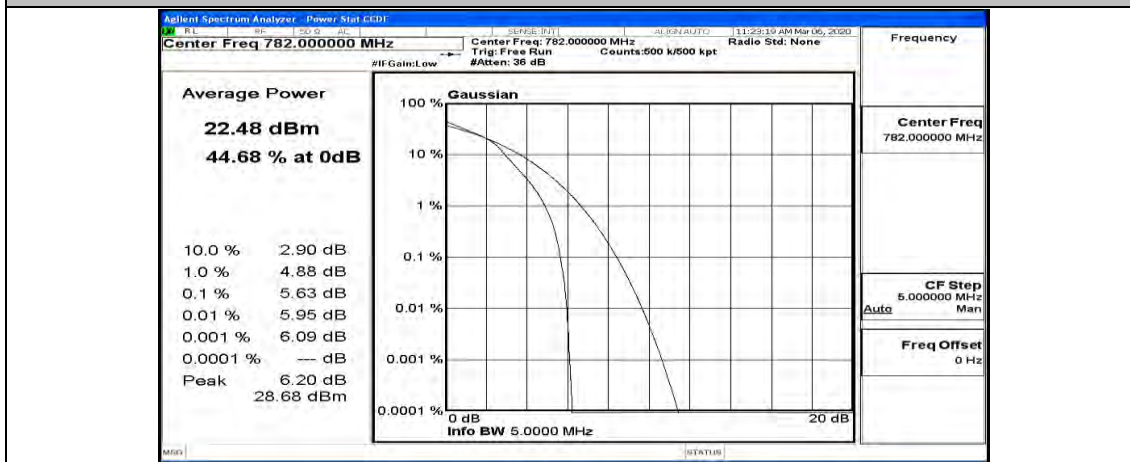
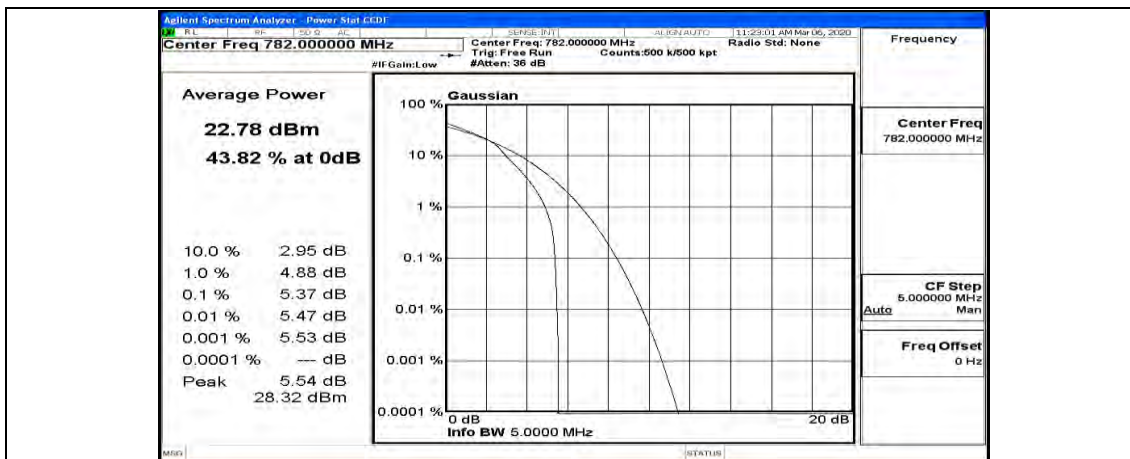


(Channel Bandwidth: 5 MHz)\_MCH\_16QAM\_12RB#6

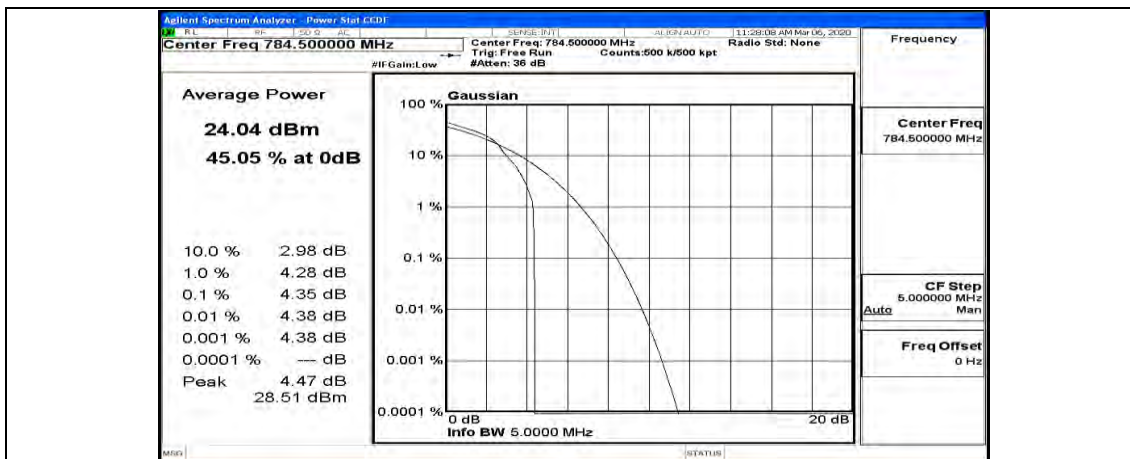


(Channel Bandwidth: 5 MHz)\_MCH\_16QAM\_12RB#13

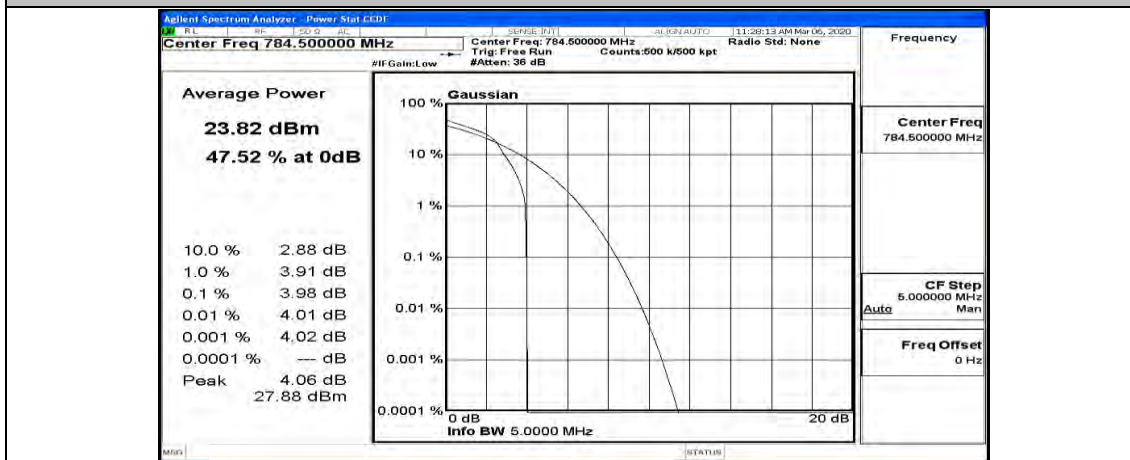




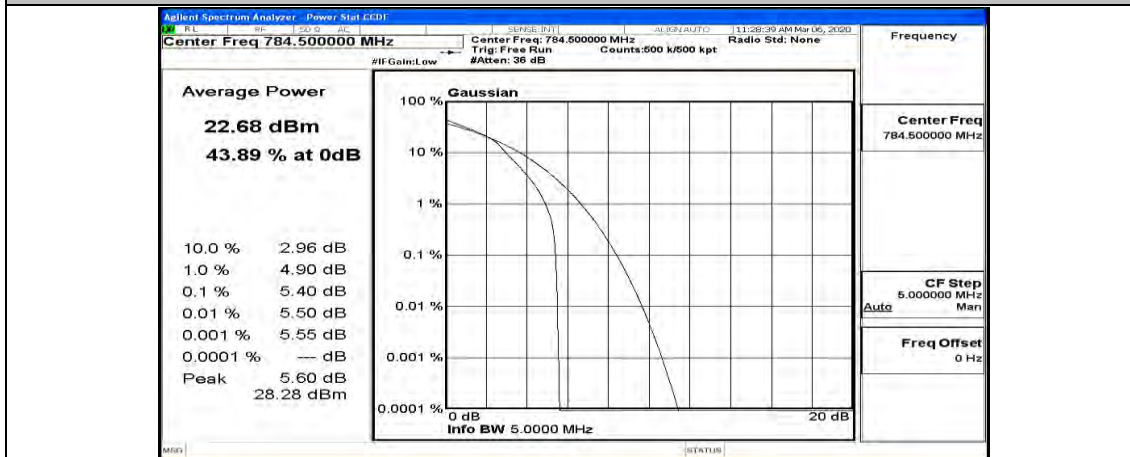
**(Channel Bandwidth: 5 MHz)\_HCH\_16QAM\_1RB#12**



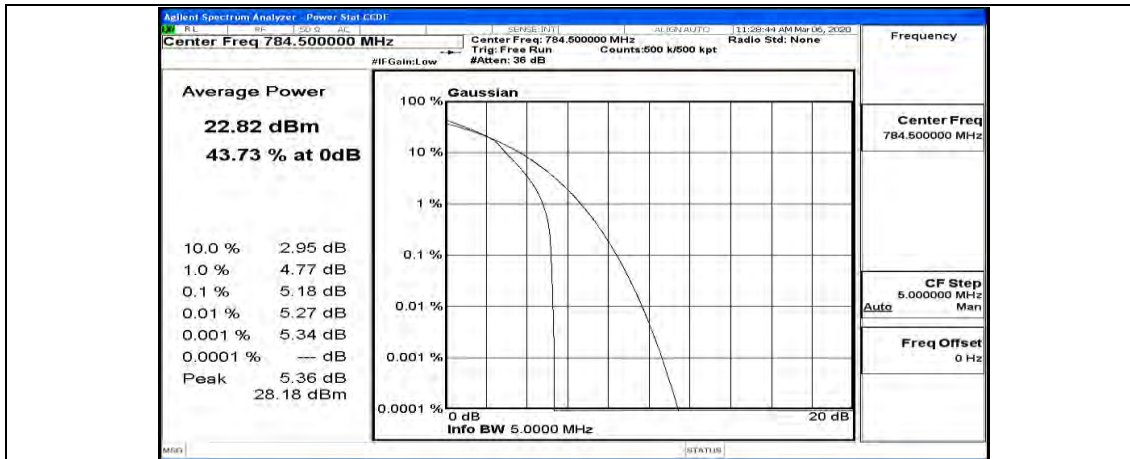
(Channel Bandwidth: 5 MHz)\_HCH\_16QAM\_1RB#24



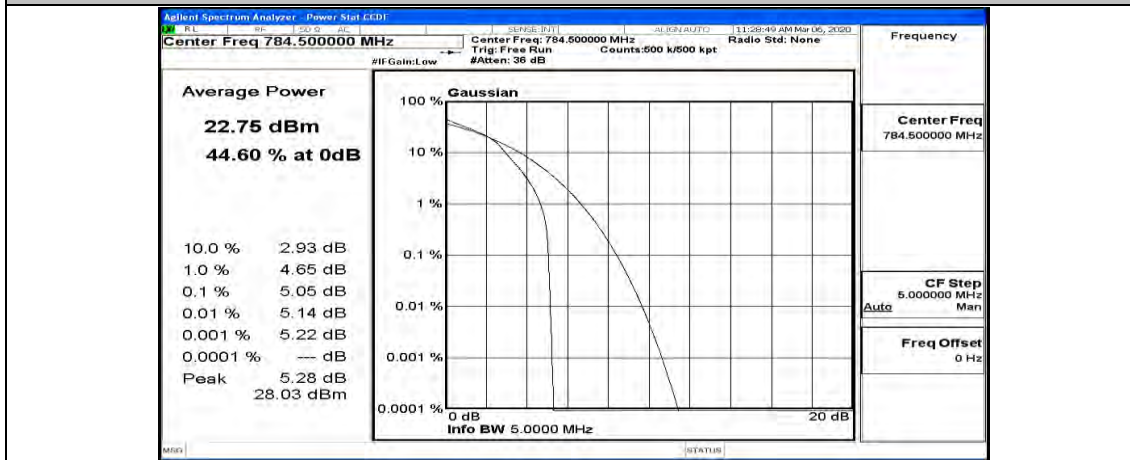
(Channel Bandwidth: 5 MHz)\_HCH\_16QAM\_12RB#0



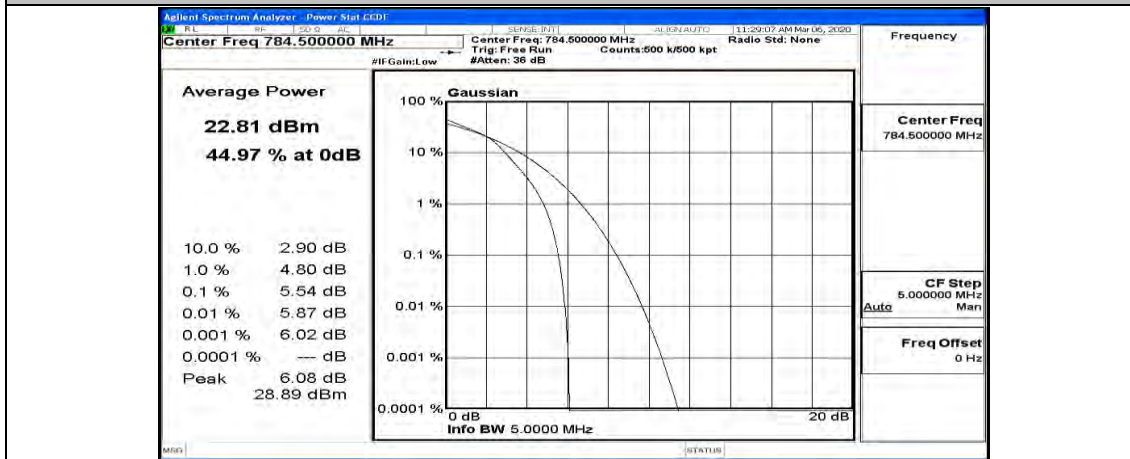
(Channel Bandwidth: 5 MHz)\_HCH\_16QAM\_12RB#6



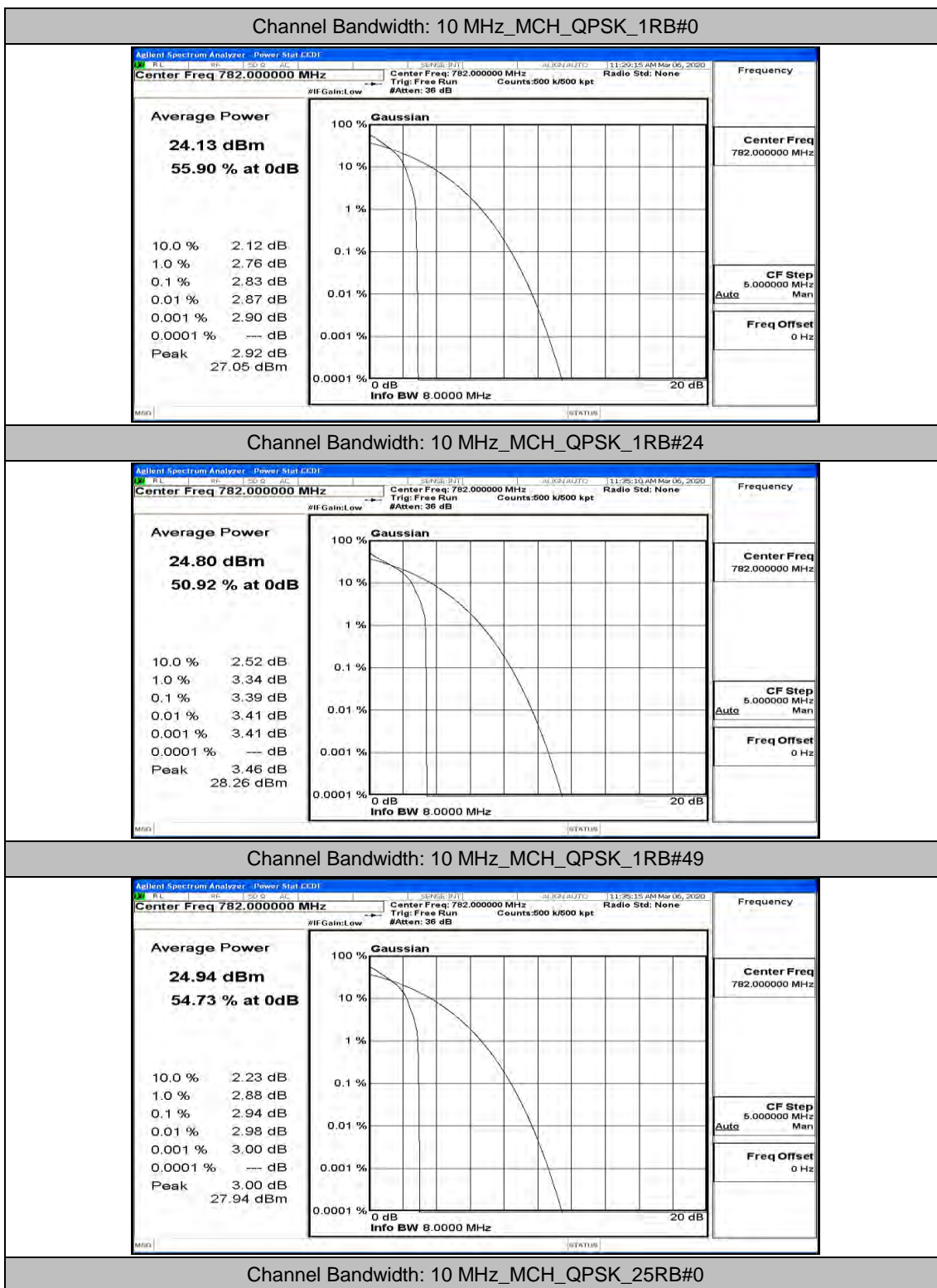
(Channel Bandwidth: 5 MHz)\_HCH\_16QAM\_12RB#13



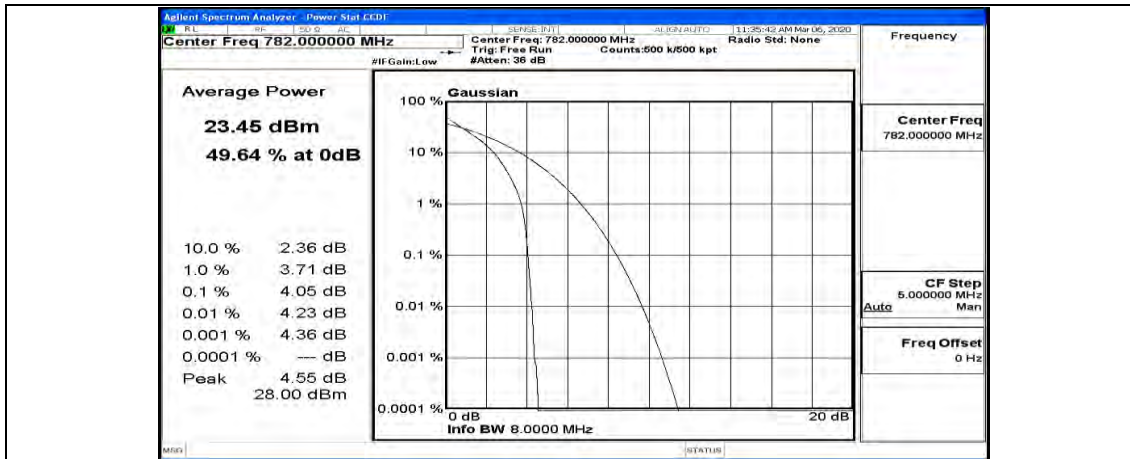
(Channel Bandwidth: 5 MHz)\_HCH\_16QAM\_25RB#0



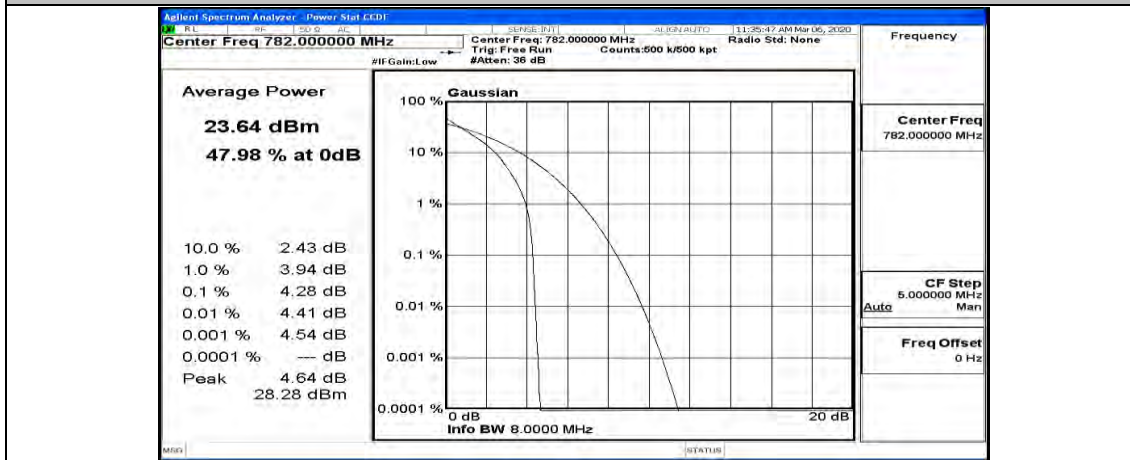
### Channel Bandwidth: 10 MHz



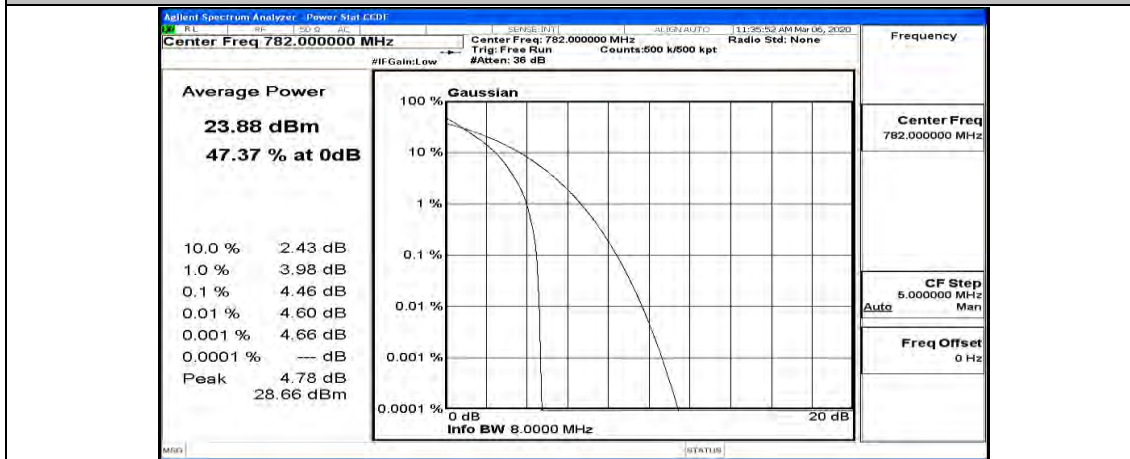




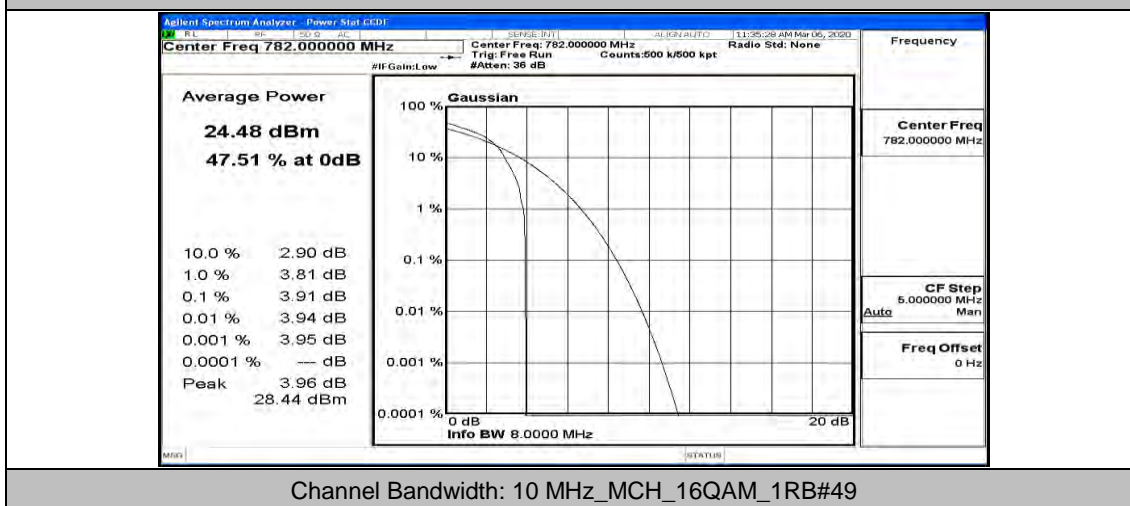
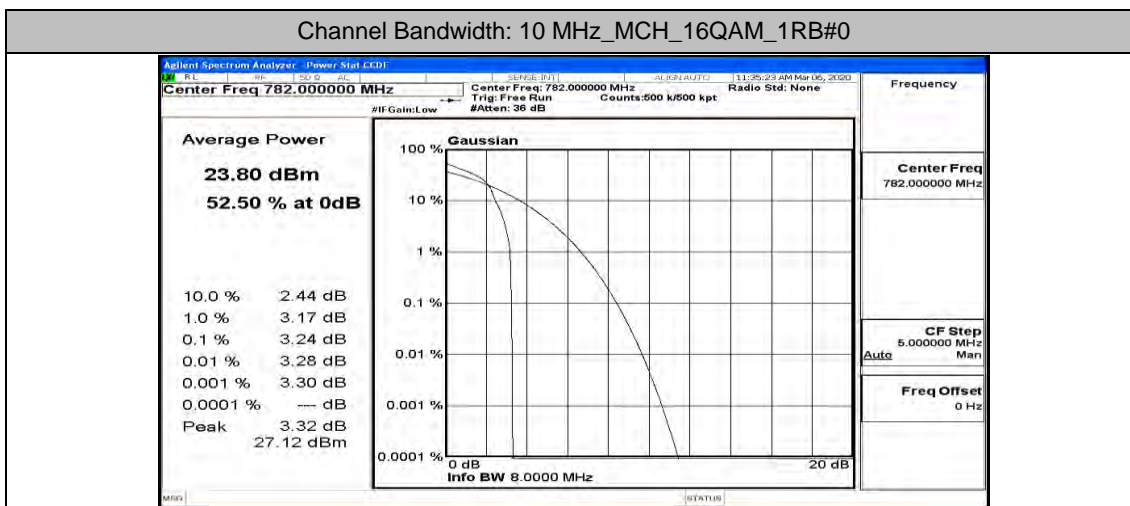
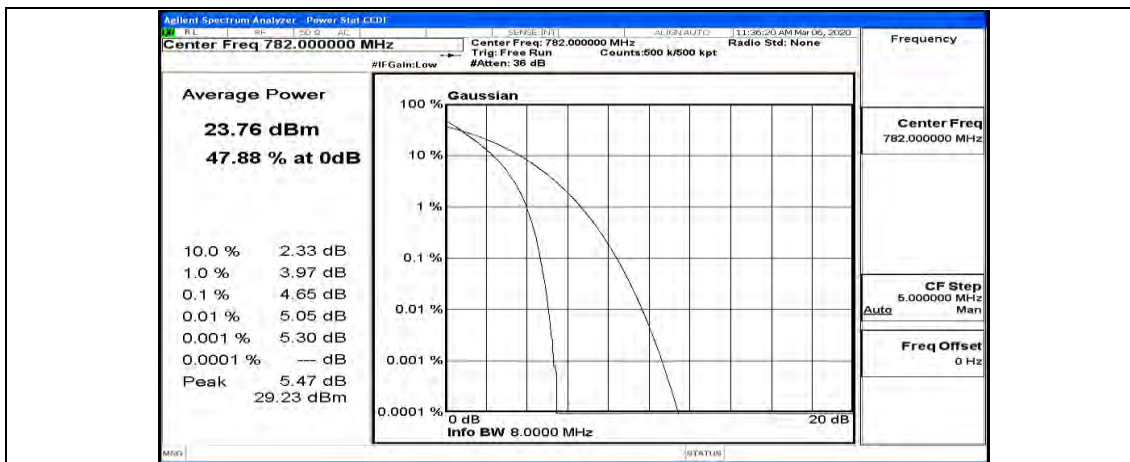
Channel Bandwidth: 10 MHz\_MCH\_QPSK\_25RB#12

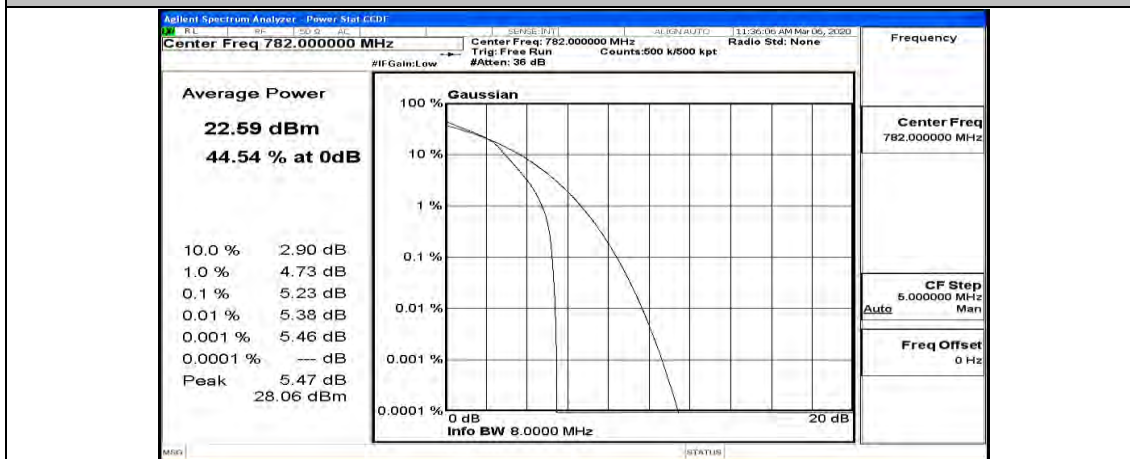
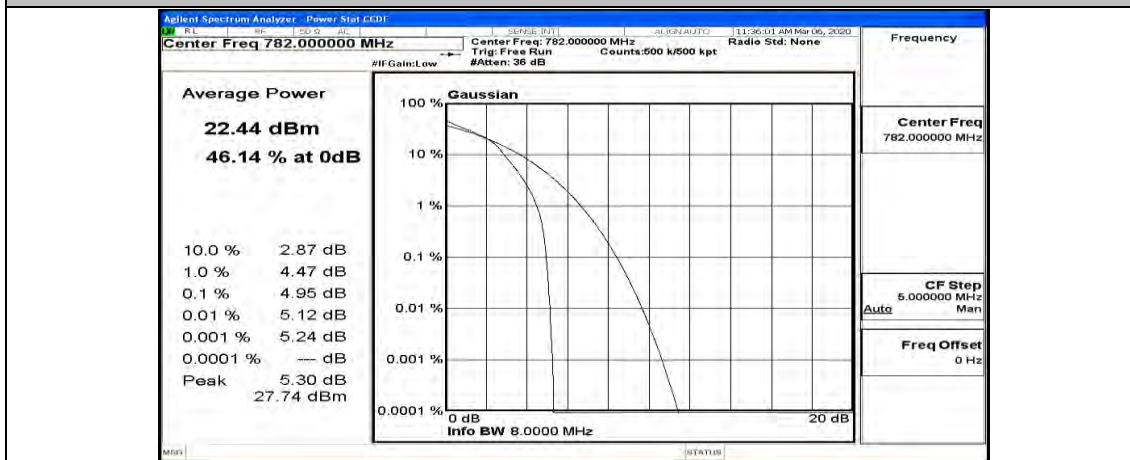
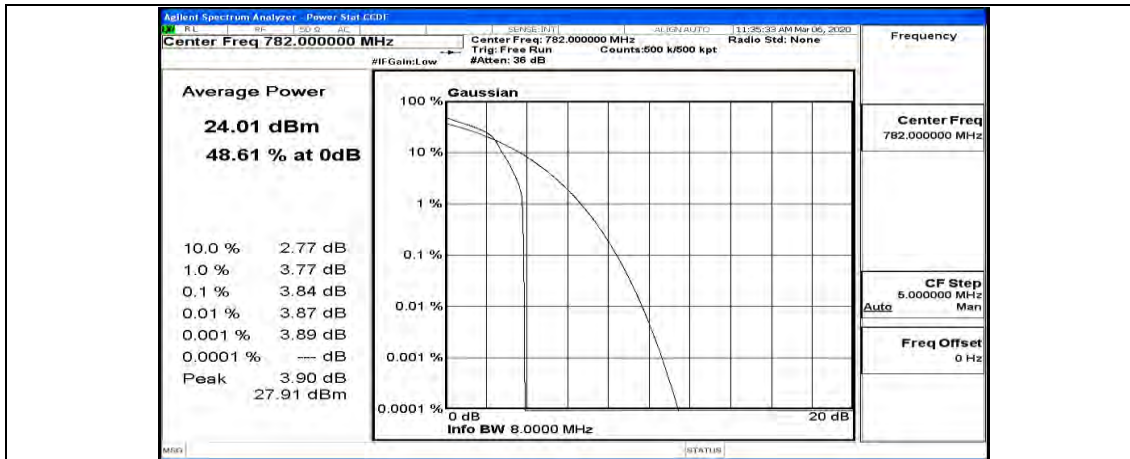


Channel Bandwidth: 10 MHz\_MCH\_QPSK\_25RB#25

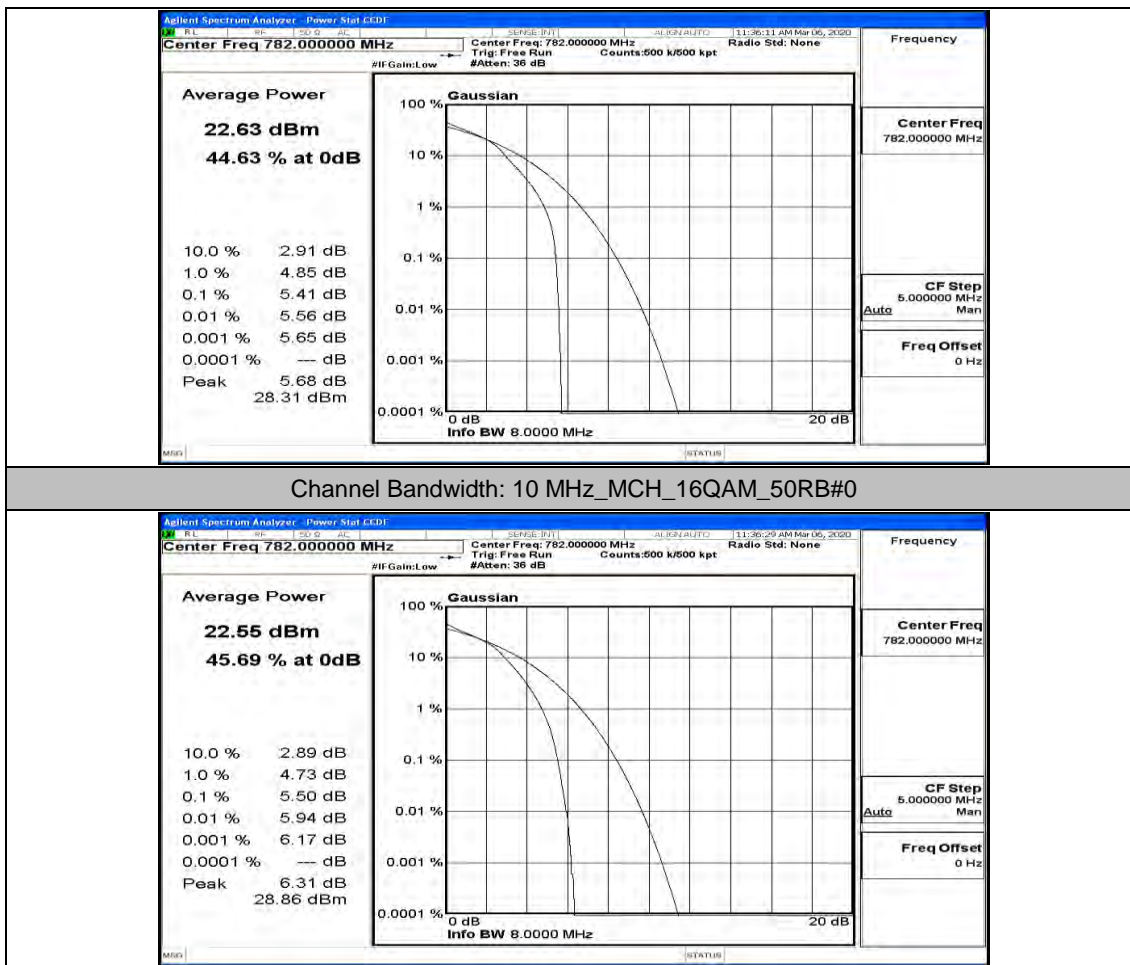


Channel Bandwidth: 10 MHz\_MCH\_QPSK\_50RB#0









### F.3: 26dB Bandwidth and Occupied Bandwidth

#### Test Result

#### Channel Bandwidth: 5 MHz

Channel Bandwidth: 5 MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		Size	Offset			
QPSK	LCH	1	0	0.28979	0.4537	PASS
		1	12	0.38407	0.6208	PASS
		1	24	0.28392	0.4285	PASS
		12	0	2.1802	2.637	PASS
		12	6	2.1872	2.826	PASS
		12	13	2.1770	2.524	PASS
		25	0	4.4715	4.754	PASS
	MCH	1	0	0.29222	0.4609	PASS
		1	12	0.38556	0.6394	PASS
		1	24	0.29151	0.4287	PASS
		12	0	2.1747	2.533	PASS
		12	6	2.1826	2.781	PASS
		12	13	2.1747	2.547	PASS
		25	0	4.4744	4.806	PASS
	HCH	1	0	0.28942	0.4616	PASS
		1	12	0.38018	0.6231	PASS
		1	24	0.28663	0.4299	PASS
		12	0	2.1725	2.494	PASS
		12	6	2.1807	2.668	PASS
		12	13	2.1773	2.510	PASS
		25	0	4.4743	4.796	PASS
16QAM	LCH	1	0	0.29748	0.4875	PASS
		1	12	0.40374	0.5934	PASS
		1	24	0.29147	0.4687	PASS
		12	0	2.1755	2.588	PASS
		12	6	2.1788	2.998	PASS
		12	13	2.1683	2.538	PASS
		25	0	4.4769	4.793	PASS
	MCH	1	0	0.28908	0.4734	PASS
		1	12	0.39594	0.5952	PASS
		1	24	0.29353	0.4341	PASS

		12	0	2.1720	2.561	PASS
		12	6	2.1748	2.705	PASS
		12	13	2.1731	2.539	PASS
		25	0	4.4701	4.821	PASS
	HCH	1	0	0.29134	0.4438	PASS
		1	12	0.41311	0.6419	PASS
		1	24	0.29938	0.4793	PASS
		12	0	2.1778	2.547	PASS
		12	6	2.1797	2.689	PASS
		12	13	2.1727	2.557	PASS
		25	0	4.4734	4.767	PASS

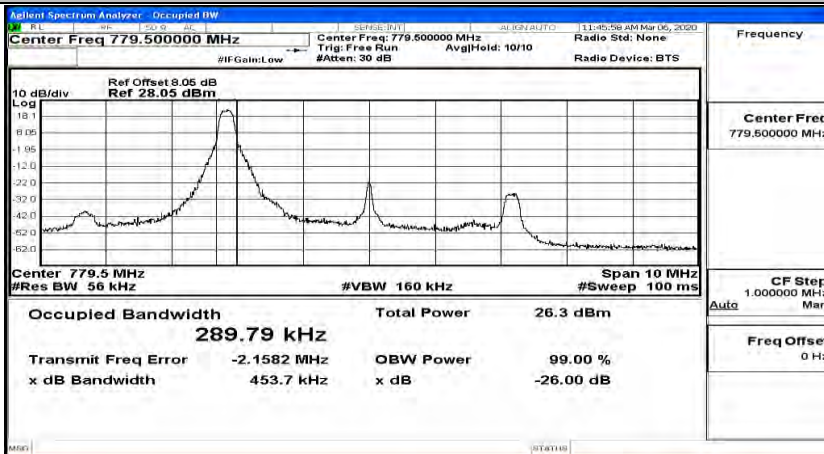
### Channel Bandwidth: 10 MHz

Channel Bandwidth: 10 MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		Size	Offset			
QPSK	MCH	1	0	0.39031	0.5690	PASS
		1	25	0.46778	0.6906	PASS
		1	49	0.38963	0.5796	PASS
		25	0	4.5190	5.076	PASS
		25	12	4.5234	5.100	PASS
		25	25	4.5205	4.976	PASS
		50	0	8.9222	9.532	PASS
16QAM	MCH	1	0	0.39625	0.5937	PASS
		1	25	0.46915	0.6870	PASS
		1	49	0.38375	0.5790	PASS
		25	0	4.5154	4.948	PASS
		25	12	4.5105	5.119	PASS
		25	25	4.5104	4.923	PASS
		50	0	8.9263	9.465	PASS

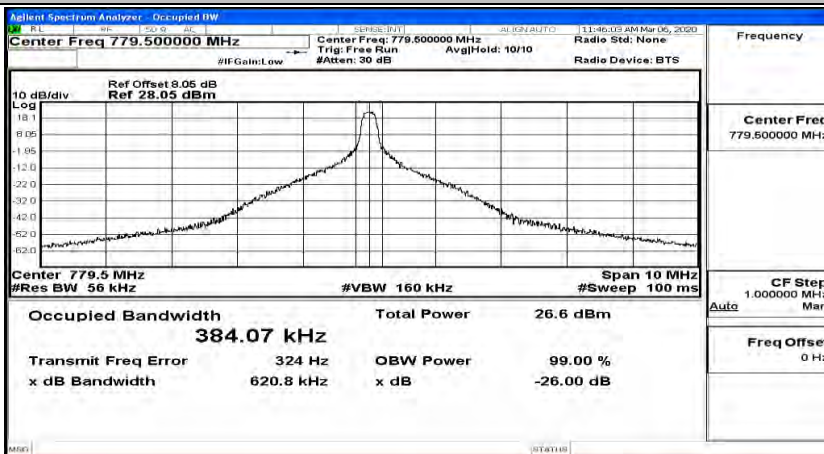
### Test Graphs

#### Channel Bandwidth: 5 MHz

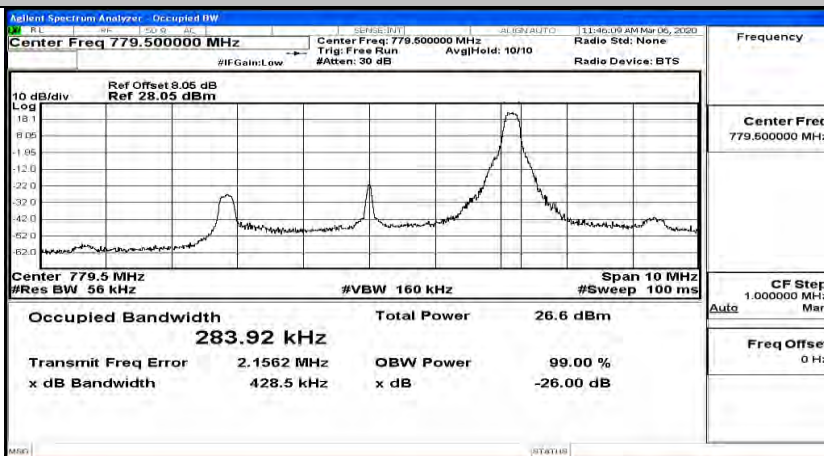
(Channel Bandwidth: 5 MHz)\_LCH\_QPSK\_1RB#0



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



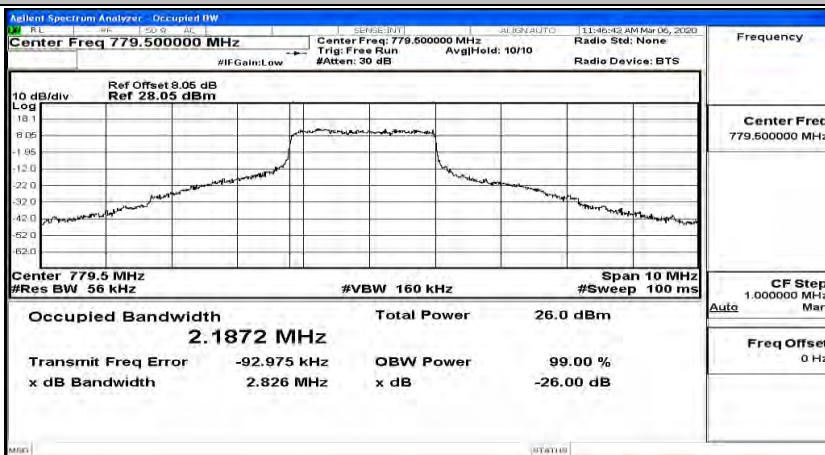
(Channel Bandwidth: 5 MHz)\_LCH\_QPSK\_1RB#24



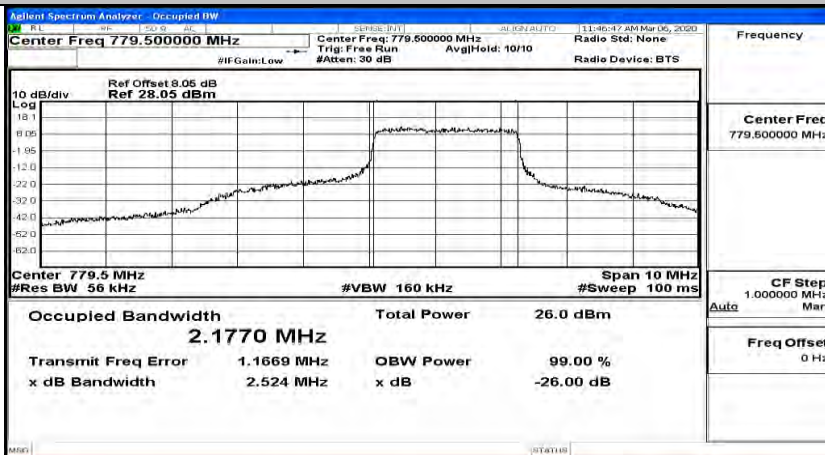
(Channel Bandwidth: 5 MHz)\_LCH\_QPSK\_12RB#0



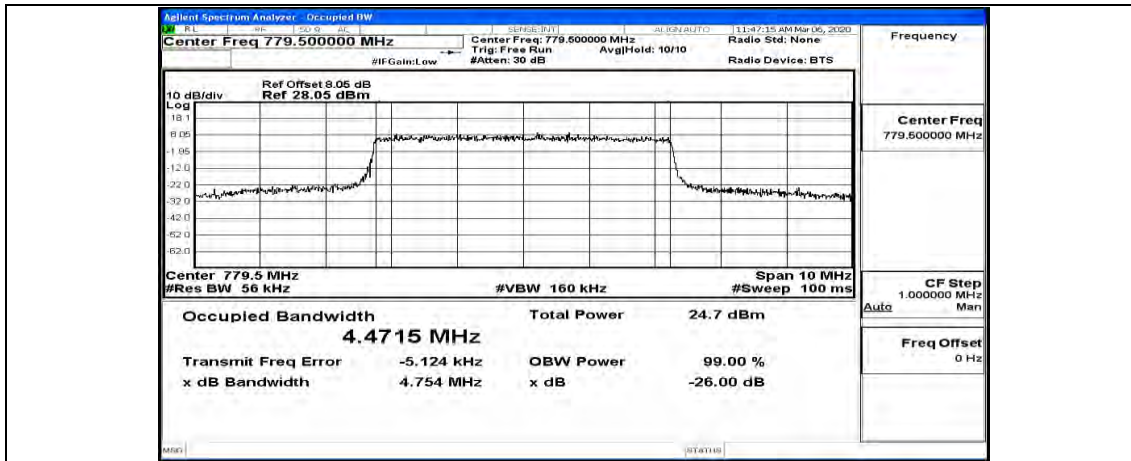
(Channel Bandwidth: 5 MHz)\_LCH\_QPSK\_12RB#6



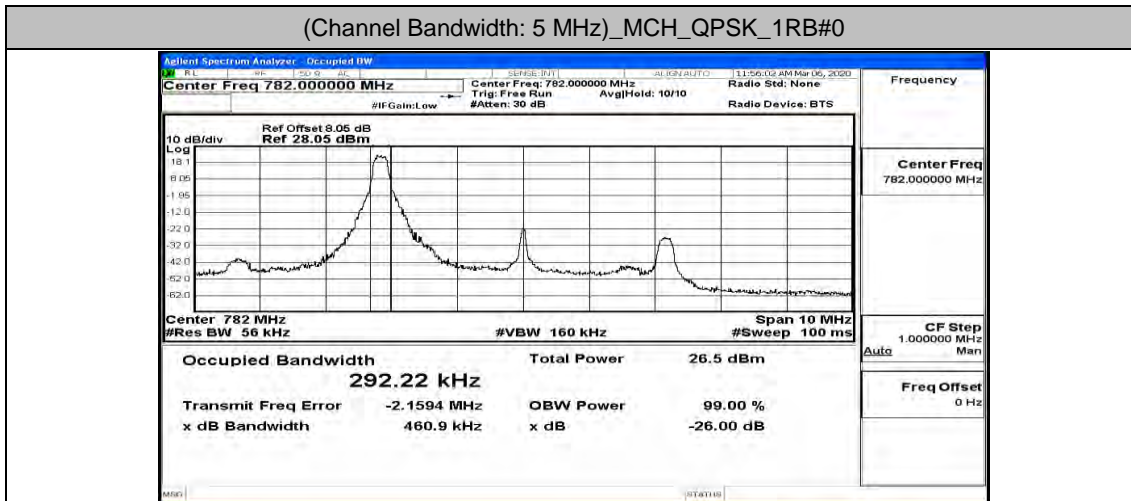
(Channel Bandwidth: 5 MHz)\_LCH\_QPSK\_12RB#13



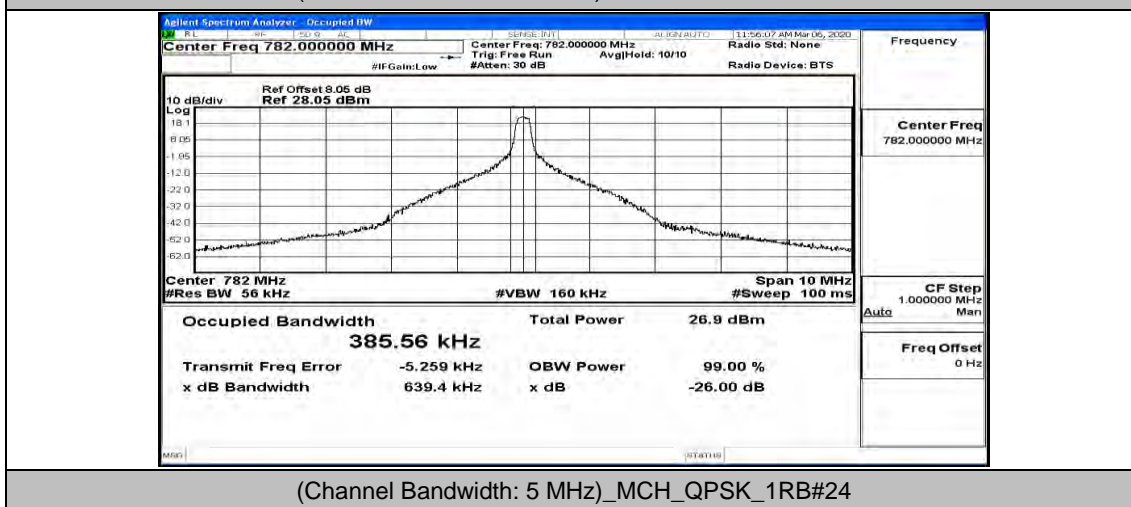
(Channel Bandwidth: 5 MHz)\_LCH\_QPSK\_25RB#0



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

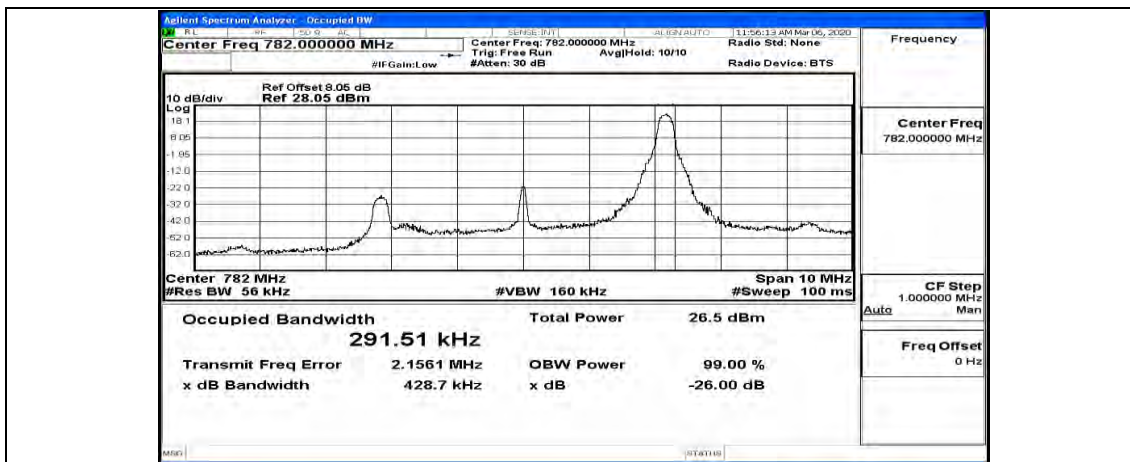


(Channel Bandwidth: 5 MHz)\_MCH\_QPSK\_1RB#12

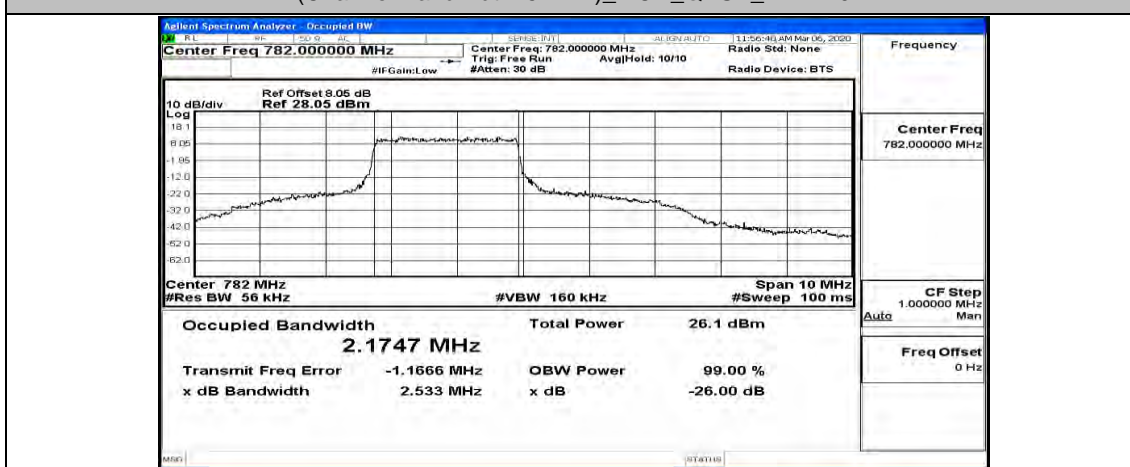


(Channel Bandwidth: 5 MHz)\_MCH\_QPSK\_1RB#24

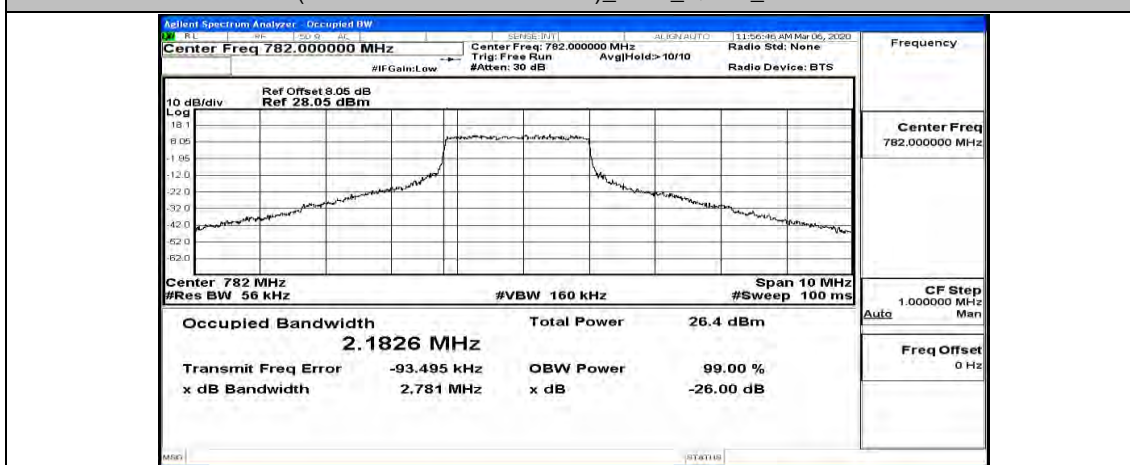




(Channel Bandwidth: 5 MHz)\_MCH\_QPSK\_12RB#0

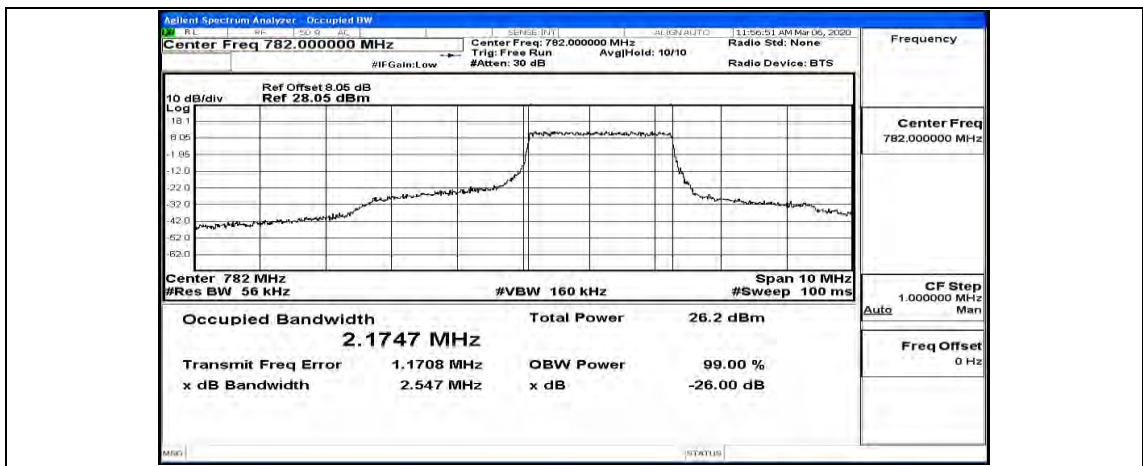


(Channel Bandwidth: 5 MHz)\_MCH\_QPSK\_12RB#6

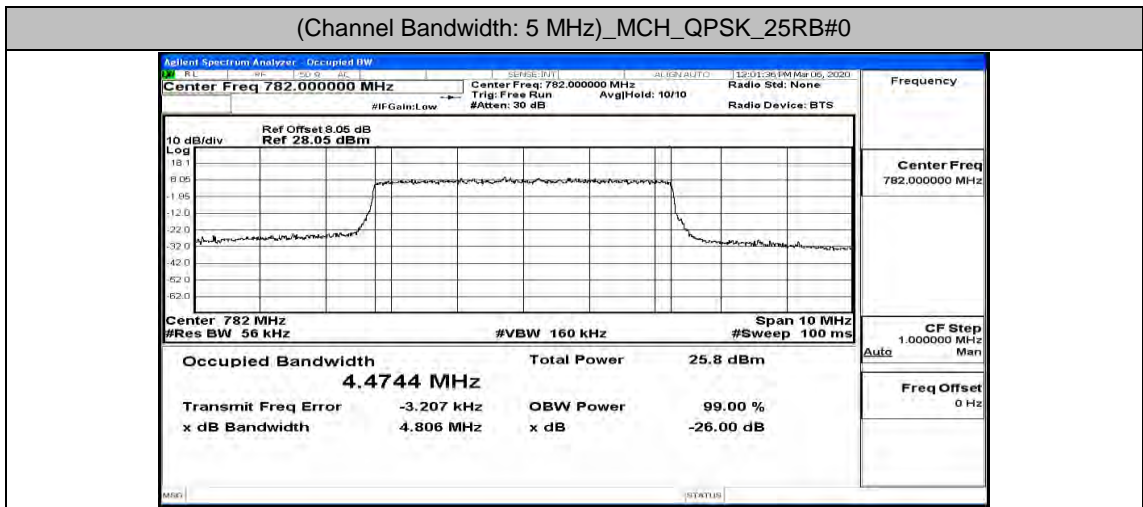


(Channel Bandwidth: 5 MHz)\_MCH\_QPSK\_12RB#13

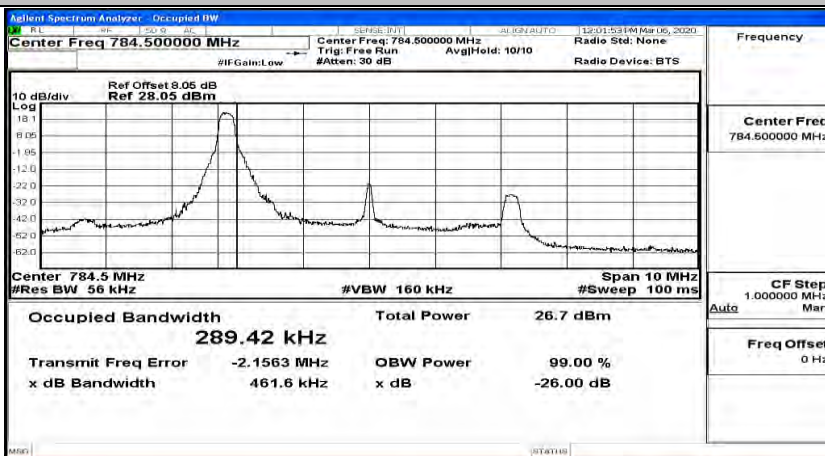




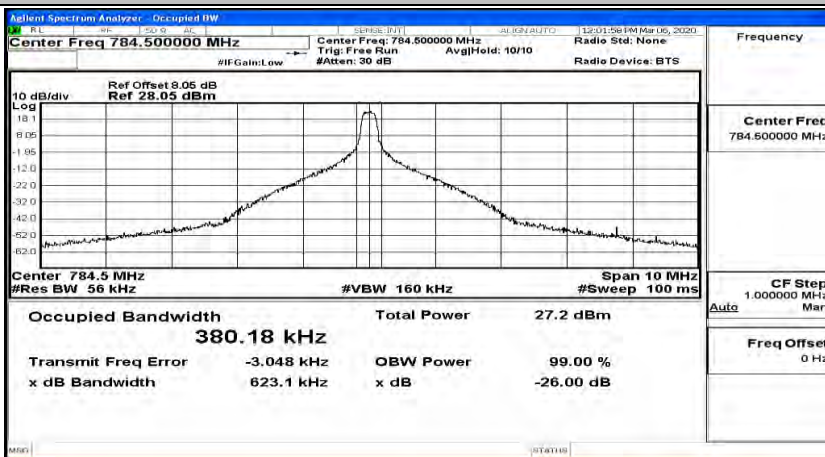
(Channel Bandwidth: 5 MHz)\_MCH\_QPSK\_25RB#0



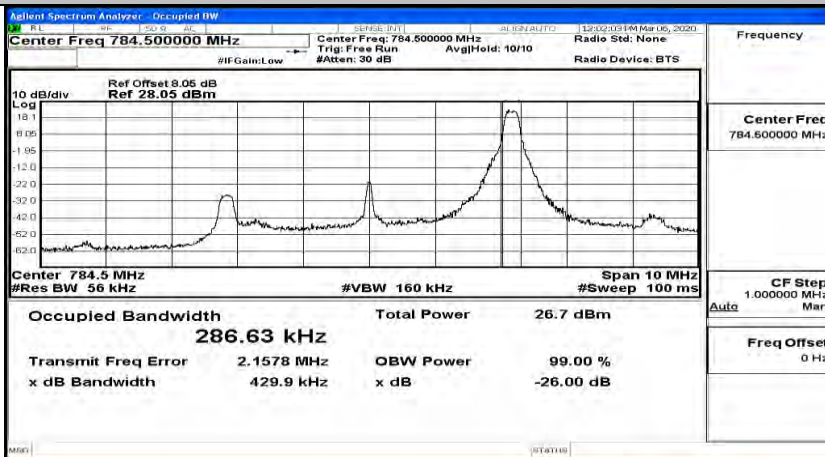
(Channel Bandwidth: 5 MHz)\_HCH\_QPSK\_1RB#0



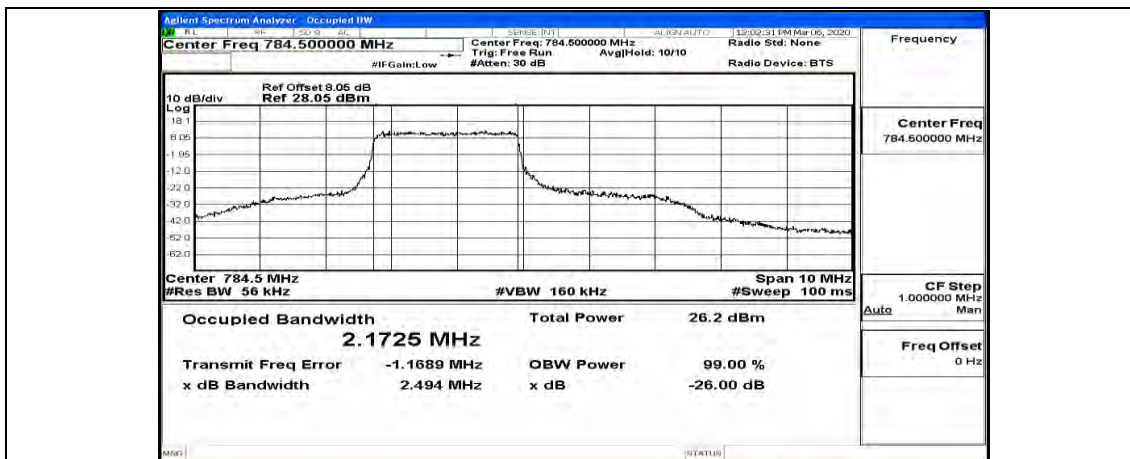
(Channel Bandwidth: 5 MHz)\_HCH\_QPSK\_1RB#12



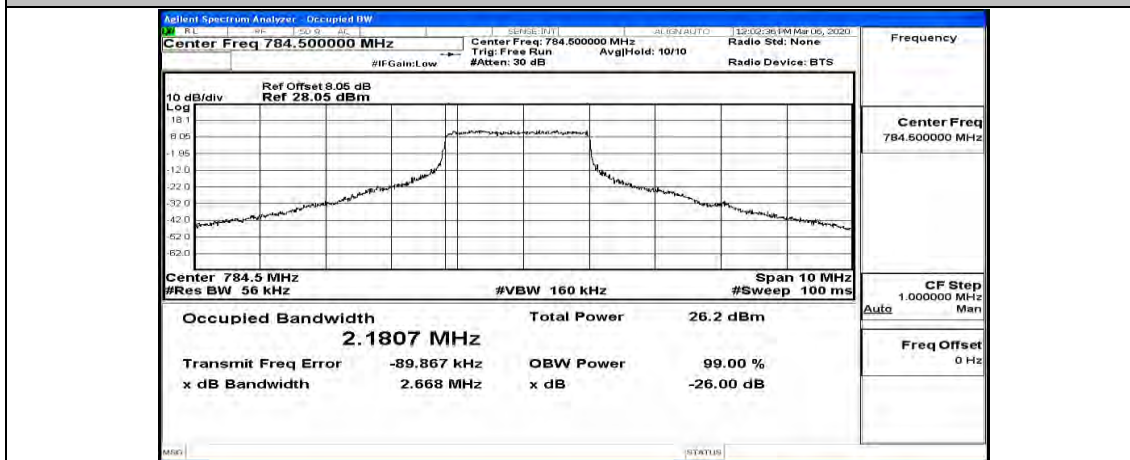
(Channel Bandwidth: 5 MHz)\_HCH\_QPSK\_1RB#24



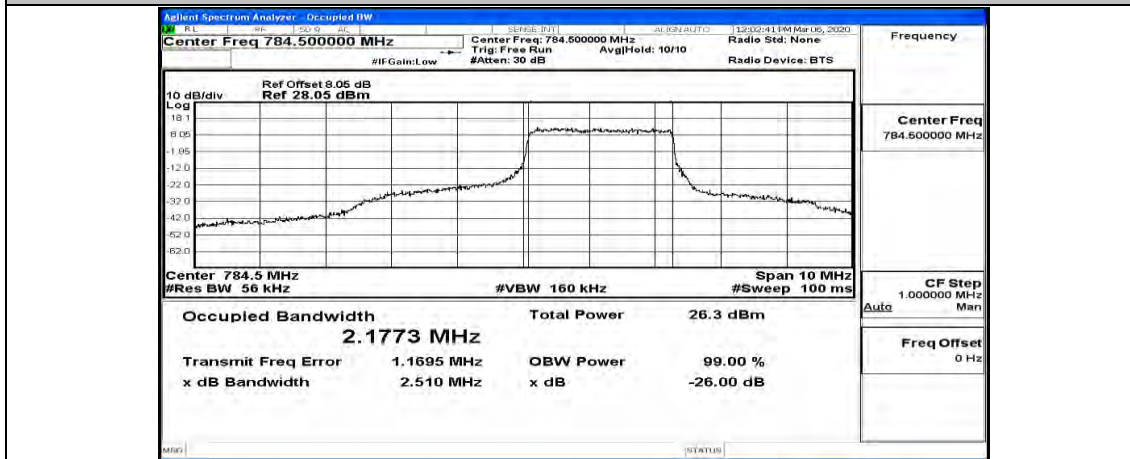
(Channel Bandwidth: 5 MHz)\_HCH\_QPSK\_12RB#0



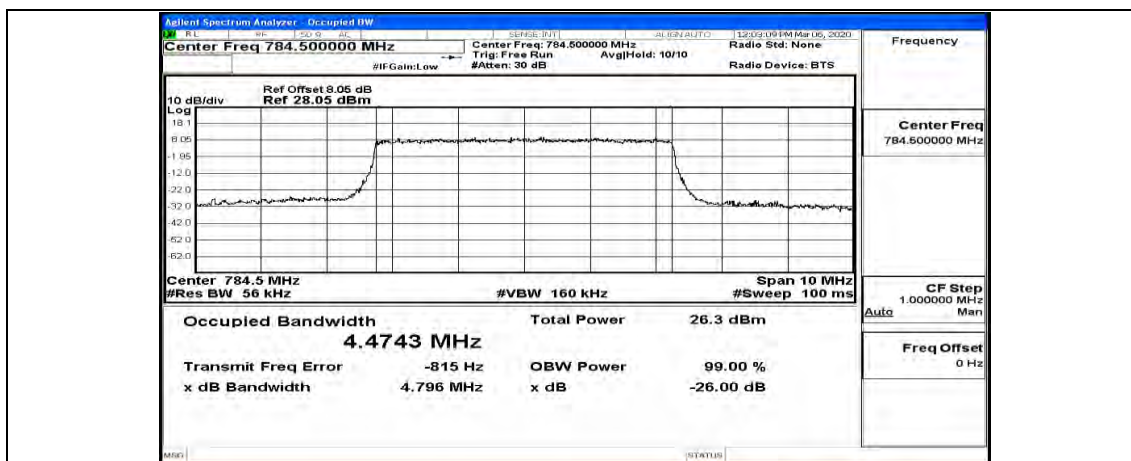
(Channel Bandwidth: 5 MHz)\_HCH\_QPSK\_12RB#6



(Channel Bandwidth: 5 MHz)\_HCH\_QPSK\_12RB#13



(Channel Bandwidth: 5 MHz)\_HCH\_QPSK\_25RB#0

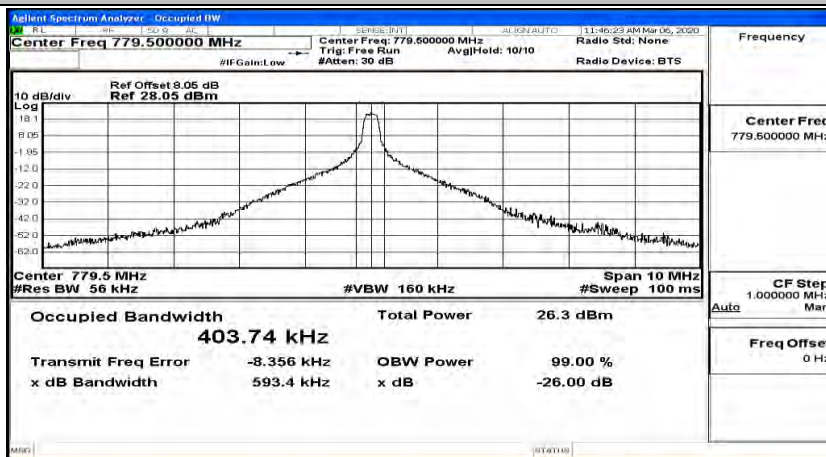




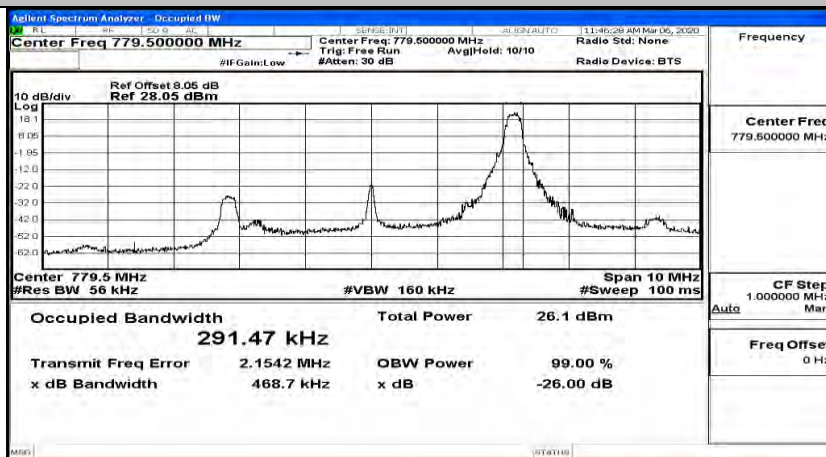
(Channel Bandwidth: 5 MHz)\_LCH\_16QAM\_1RB#0



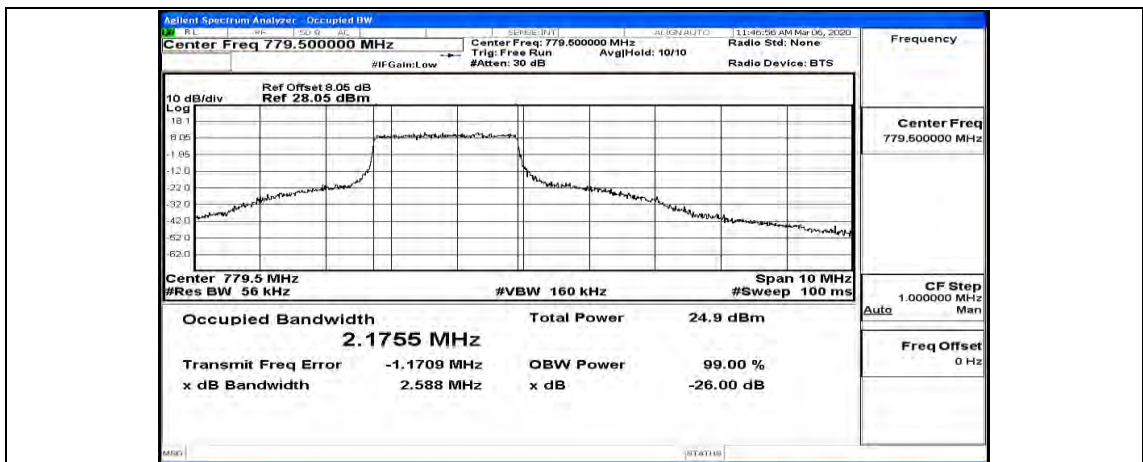
(Channel Bandwidth: 5 MHz)\_LCH\_16QAM\_1RB#12



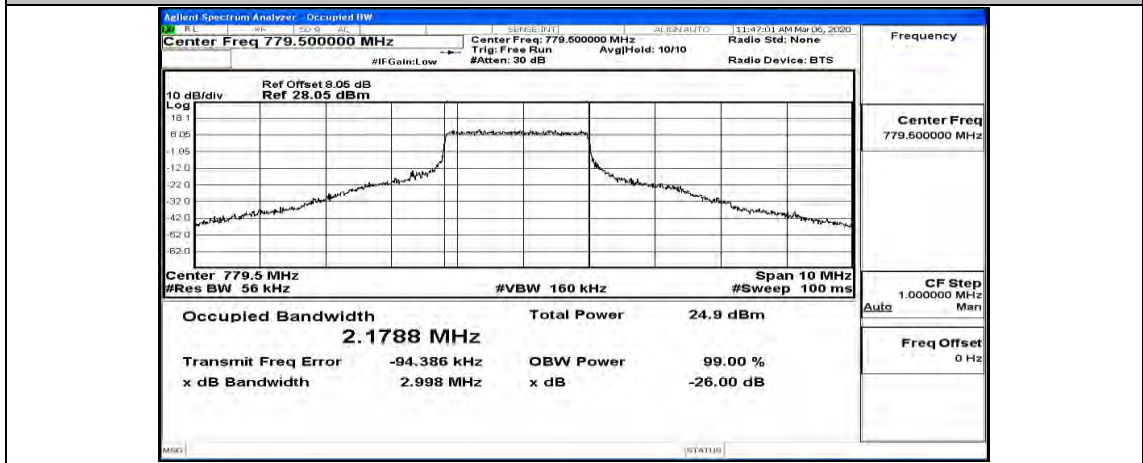
(Channel Bandwidth: 5 MHz)\_LCH\_16QAM\_1RB#24



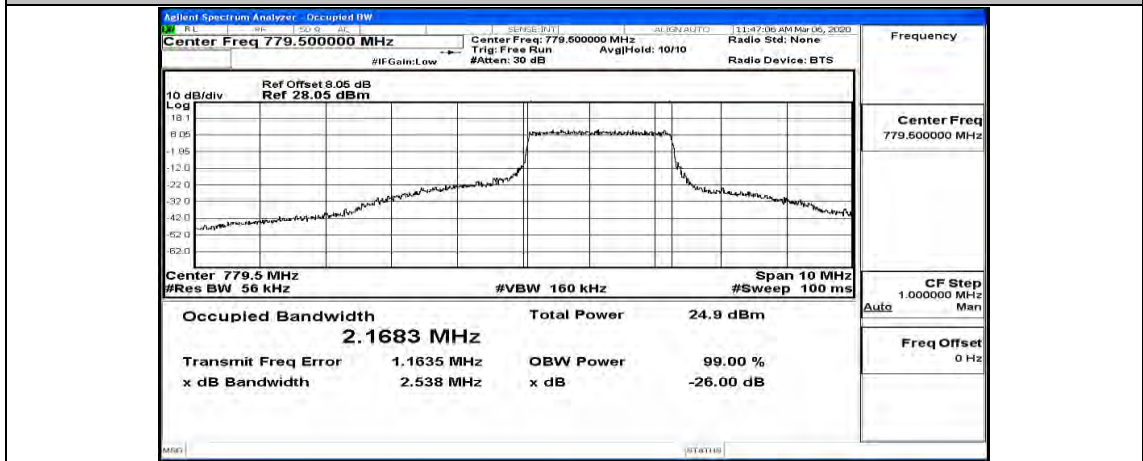
(Channel Bandwidth: 5 MHz)\_LCH\_16QAM\_12RB#0



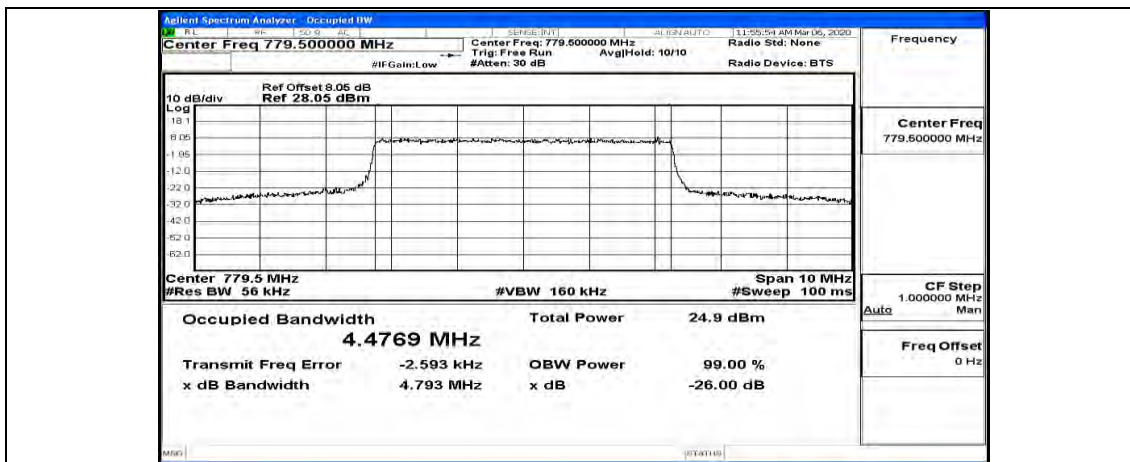
(Channel Bandwidth: 5 MHz)\_LCH\_16QAM\_12RB#6



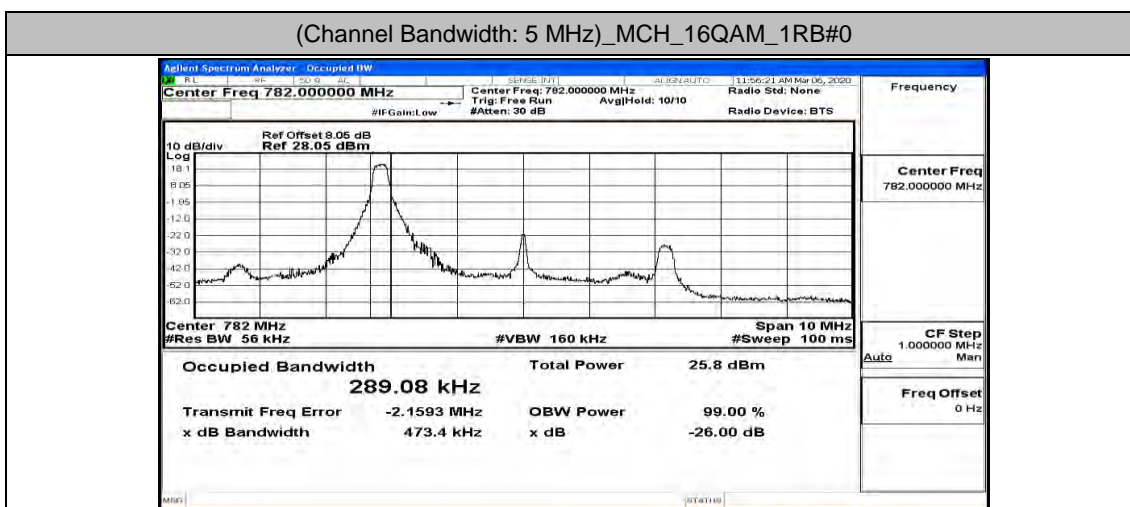
(Channel Bandwidth: 5 MHz)\_LCH\_16QAM\_12RB#13



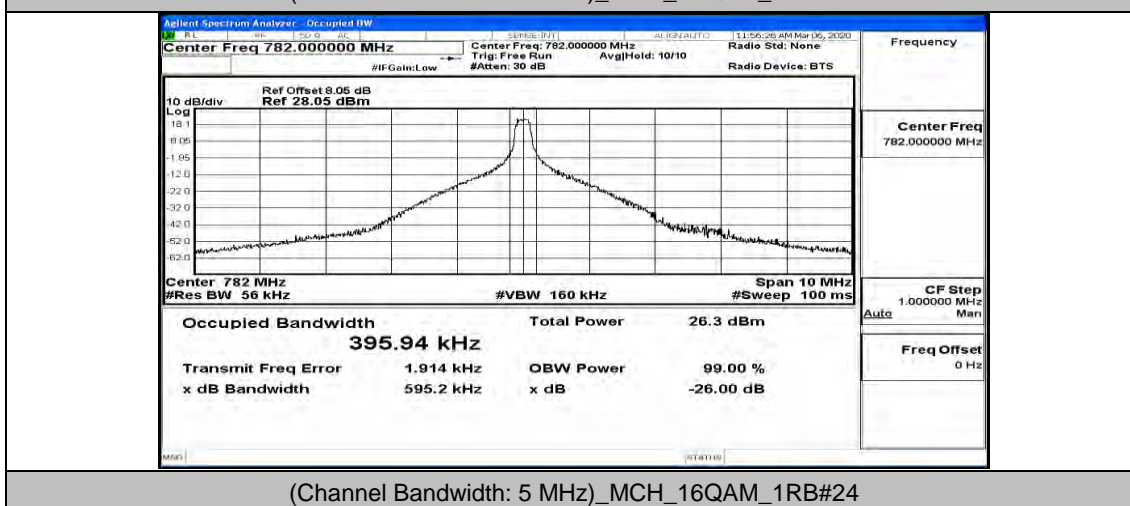
(Channel Bandwidth: 5 MHz)\_LCH\_16QAM\_25RB#0



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

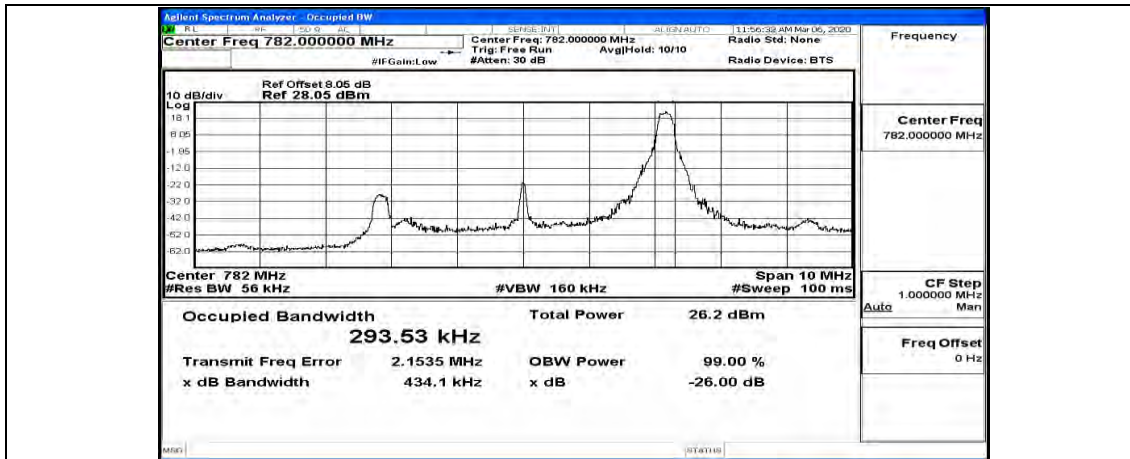


(Channel Bandwidth: 5 MHz)\_MCH\_16QAM\_1RB#12

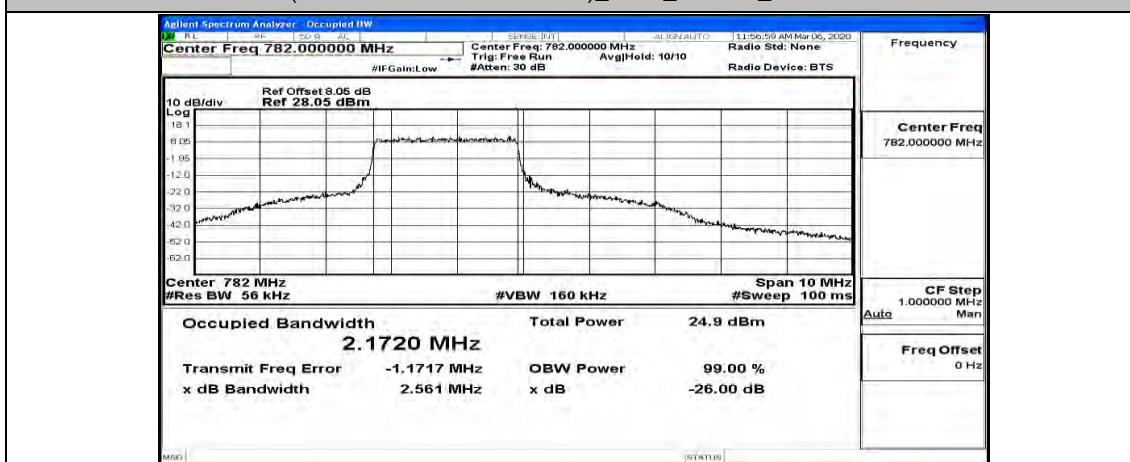


(Channel Bandwidth: 5 MHz)\_MCH\_16QAM\_1RB#24

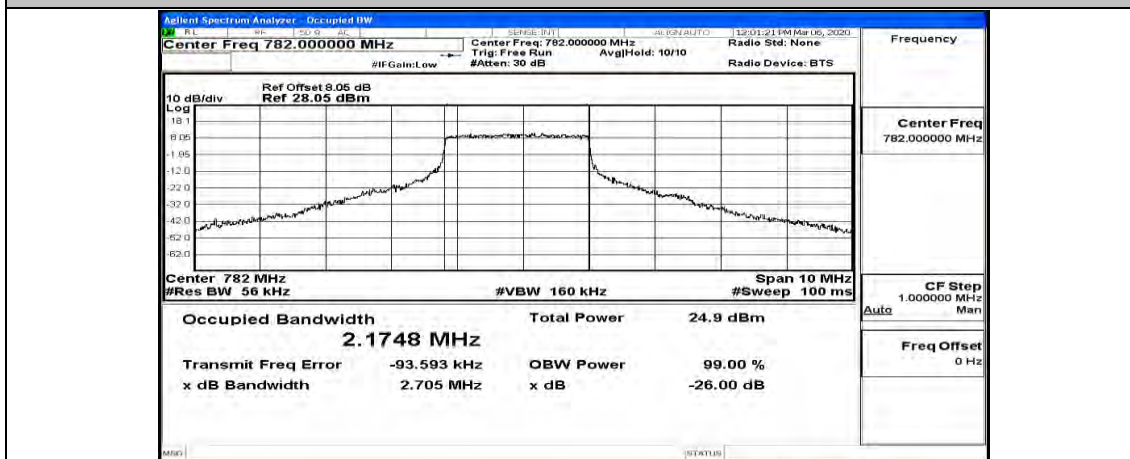




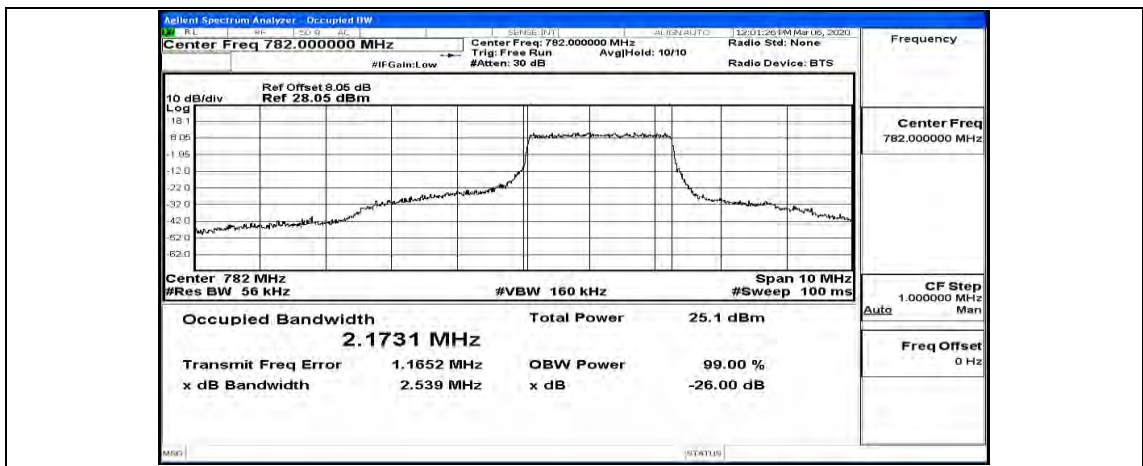
(Channel Bandwidth: 5 MHz)\_MCH\_16QAM\_12RB#0



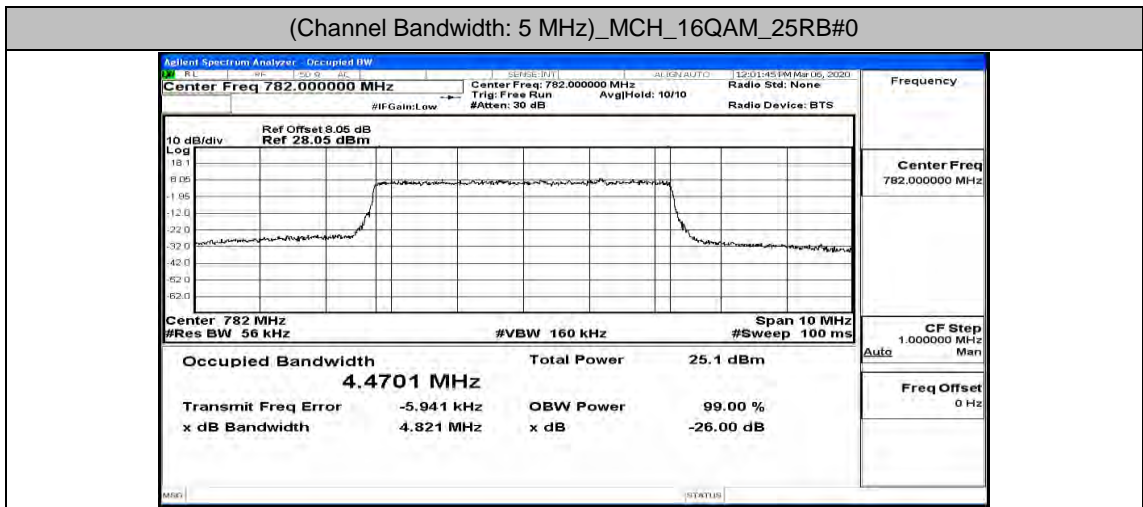
(Channel Bandwidth: 5 MHz)\_MCH\_16QAM\_12RB#6



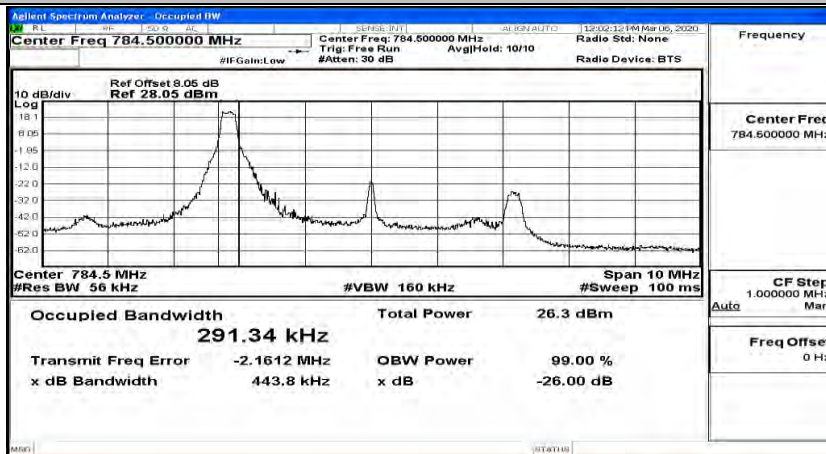
(Channel Bandwidth: 5 MHz)\_MCH\_16QAM\_12RB#13



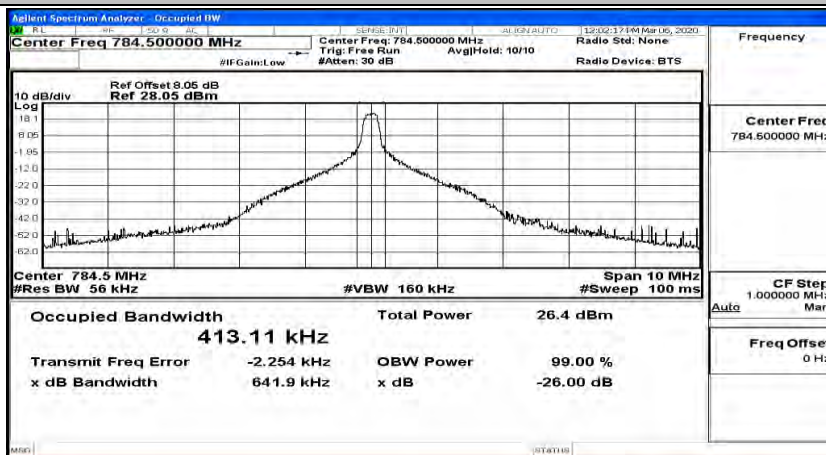
(Channel Bandwidth: 5 MHz)\_MCH\_16QAM\_25RB#0



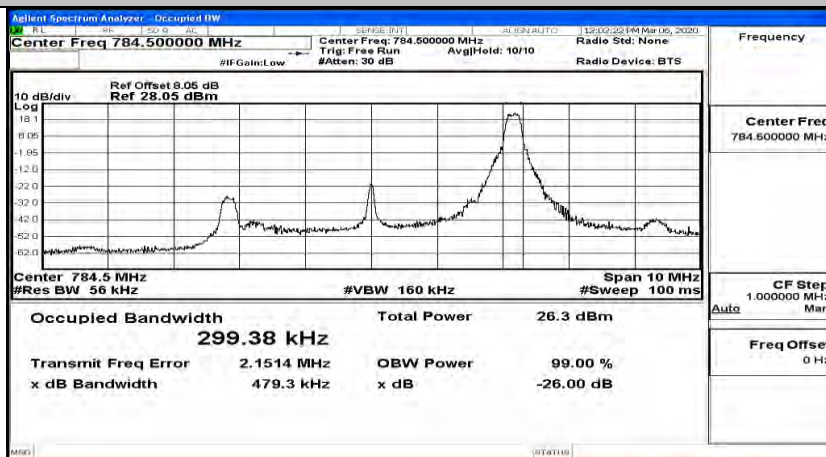
(Channel Bandwidth: 5 MHz)\_HCH\_16QAM\_1RB#0



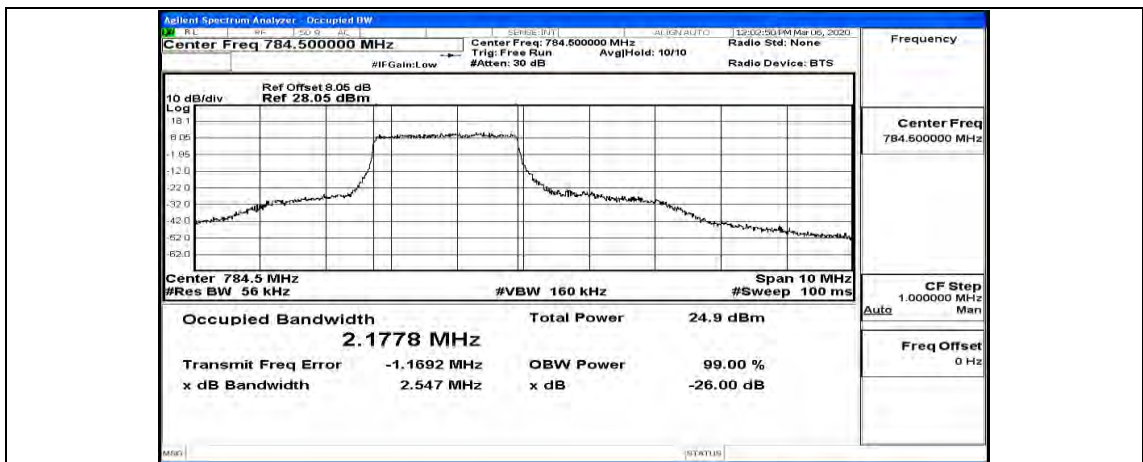
(Channel Bandwidth: 5 MHz)\_HCH\_16QAM\_1RB#12



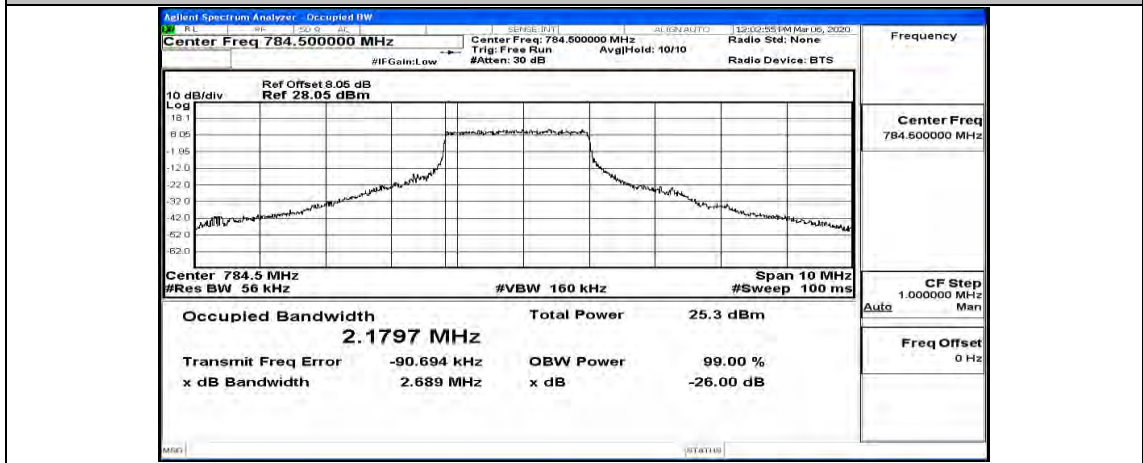
(Channel Bandwidth: 5 MHz)\_HCH\_16QAM\_1RB#24



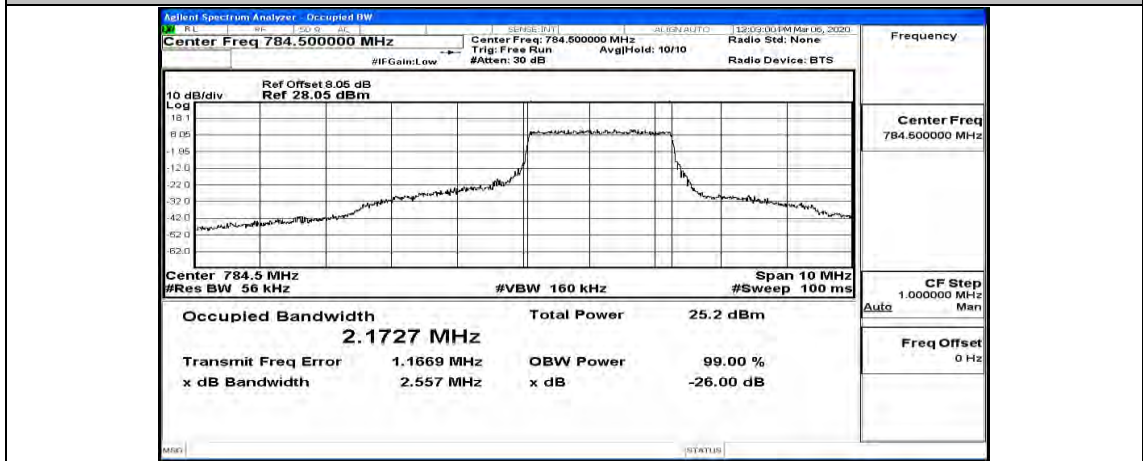
(Channel Bandwidth: 5 MHz)\_HCH\_16QAM\_12RB#0



(Channel Bandwidth: 5 MHz)\_HCH\_16QAM\_12RB#6

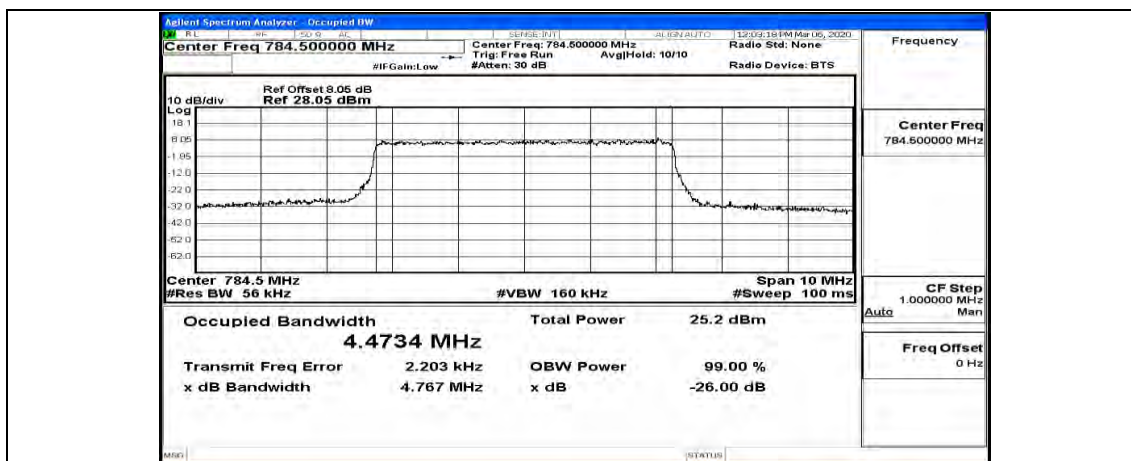


(Channel Bandwidth: 5 MHz)\_HCH\_16QAM\_12RB#13

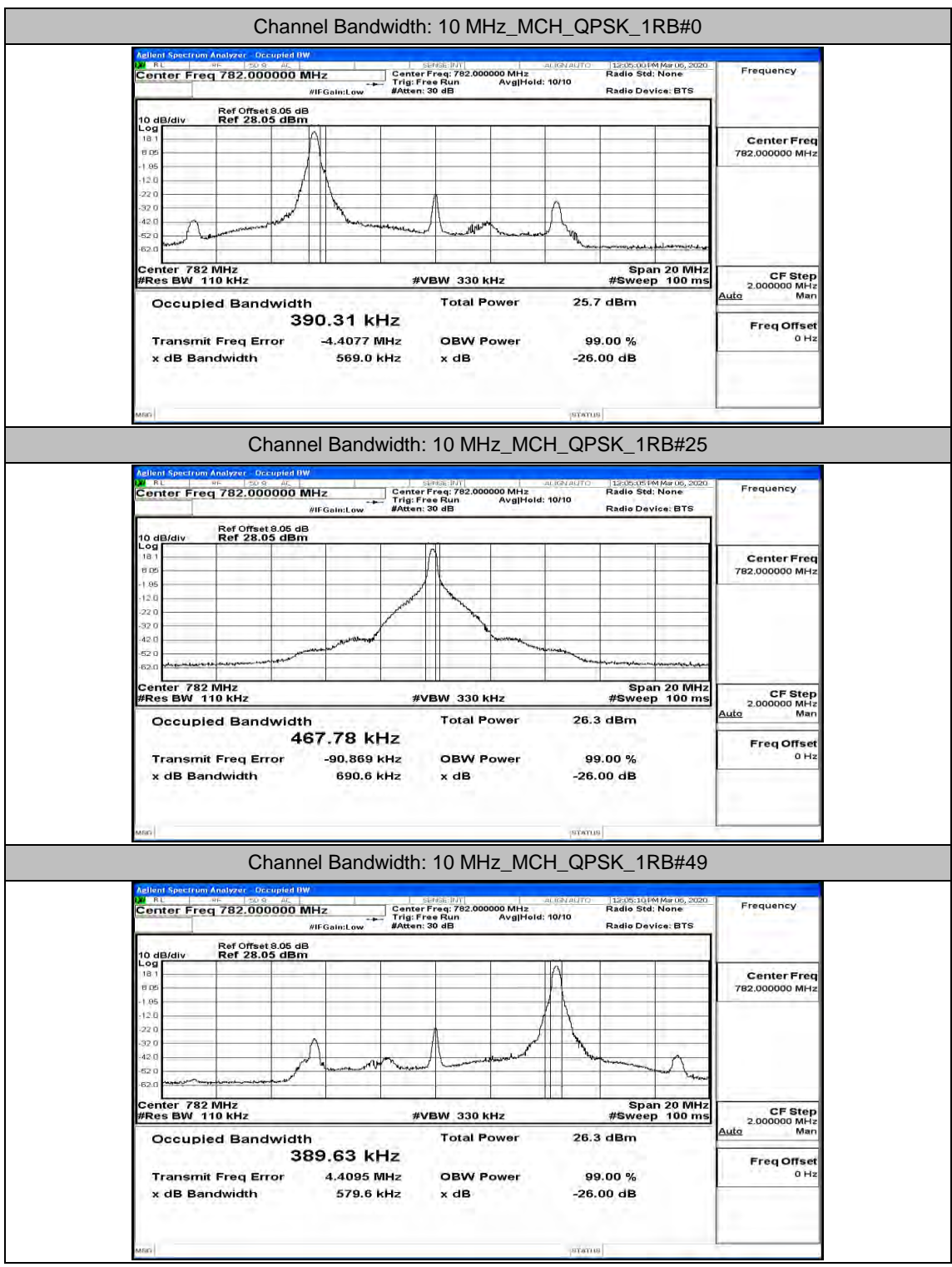


(Channel Bandwidth: 5 MHz)\_HCH\_16QAM\_25RB#0



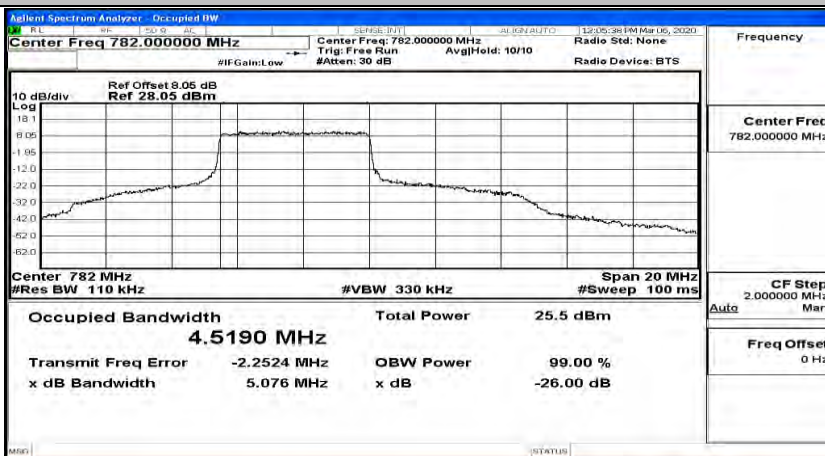


**Channel Bandwidth: 10 MHz**

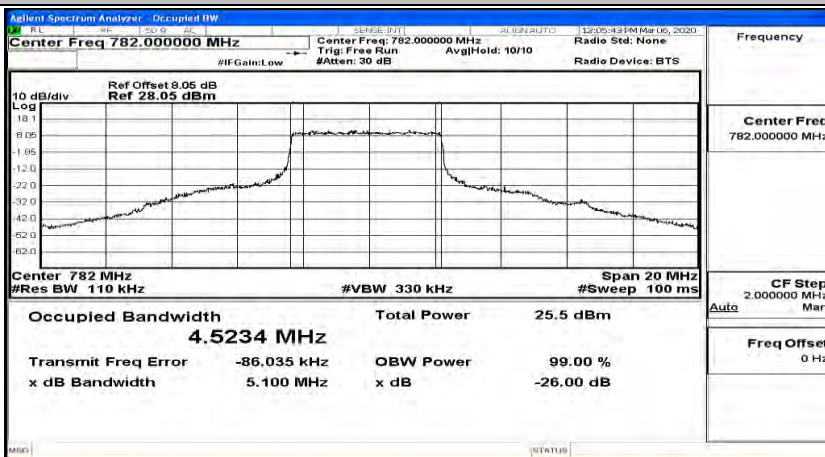




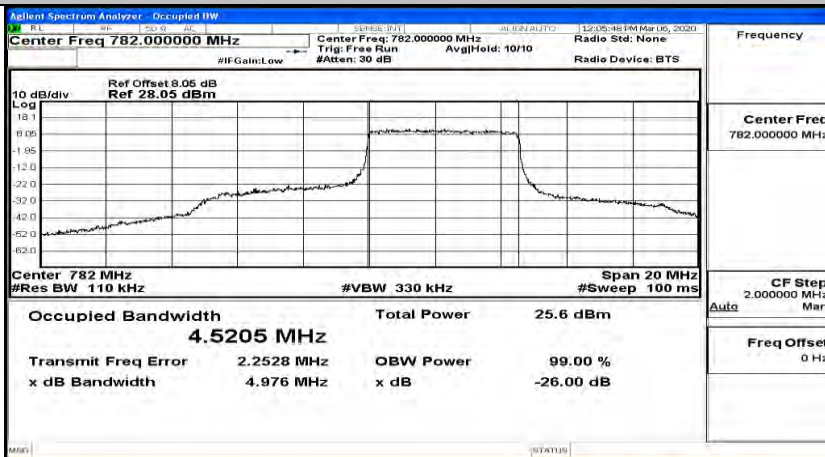
Channel Bandwidth: 10 MHz\_MCH\_QPSK\_25RB#0



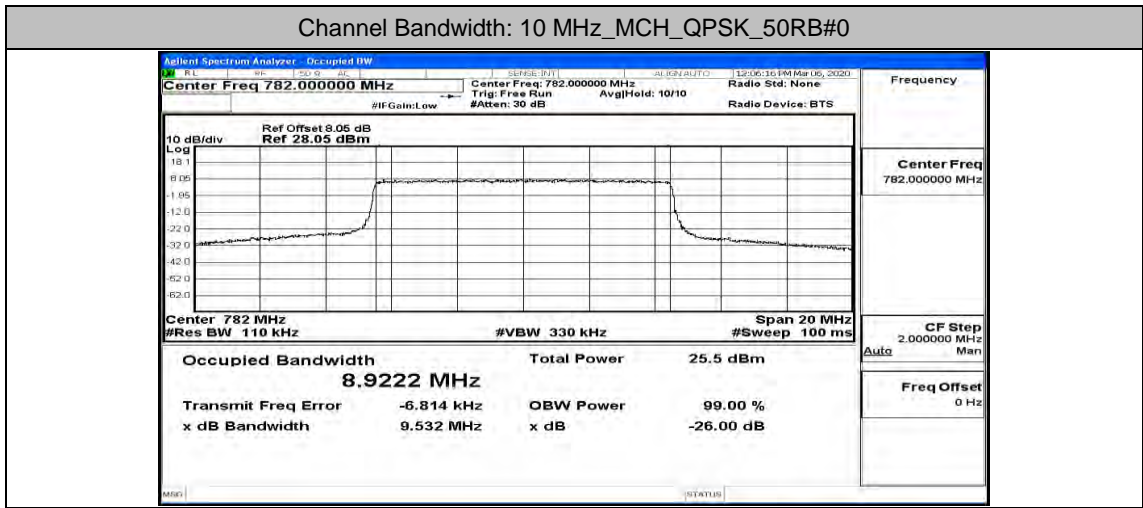
Channel Bandwidth: 10 MHz\_MCH\_QPSK\_25RB#12



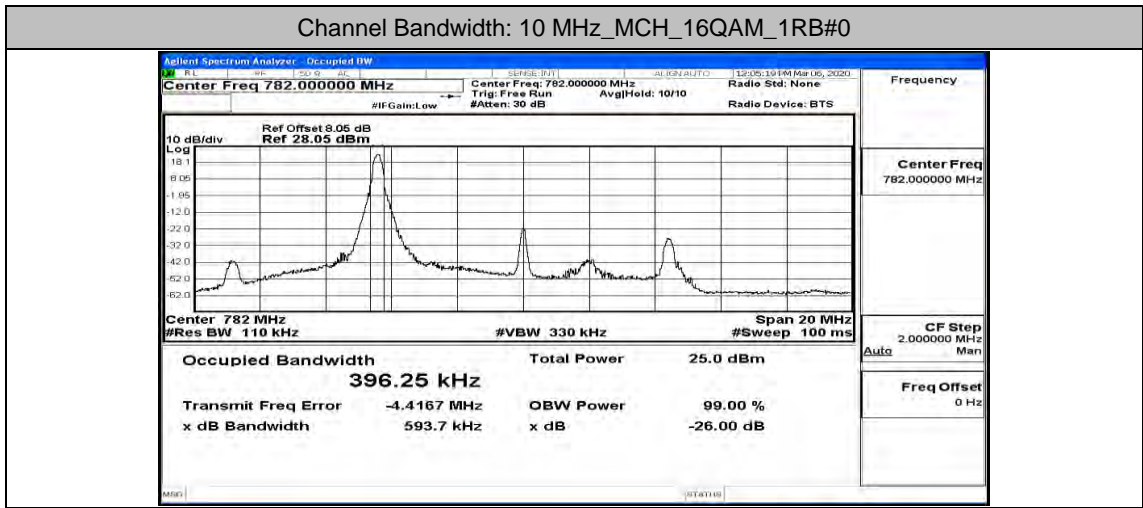
Channel Bandwidth: 10 MHz\_MCH\_QPSK\_25RB#25



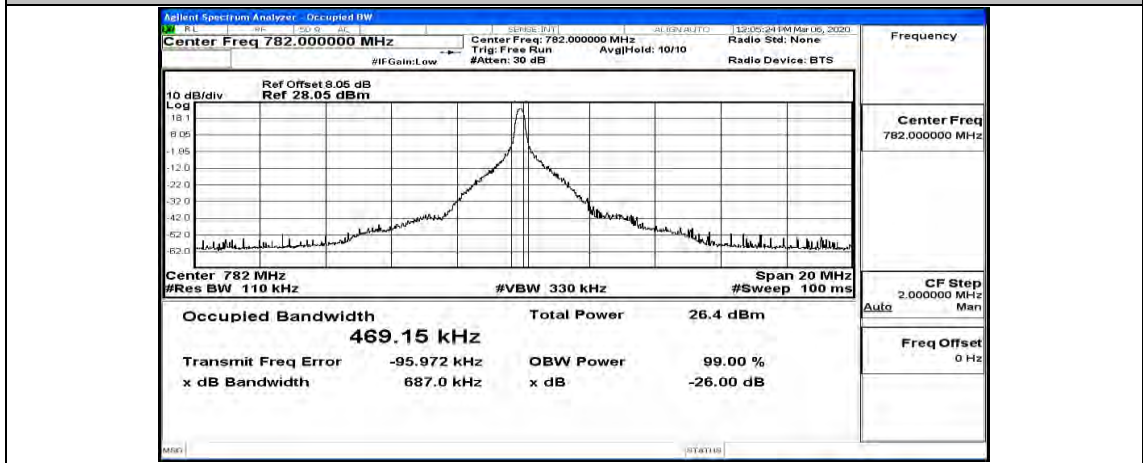
Channel Bandwidth: 10 MHz\_MCH\_QPSK\_50RB#0



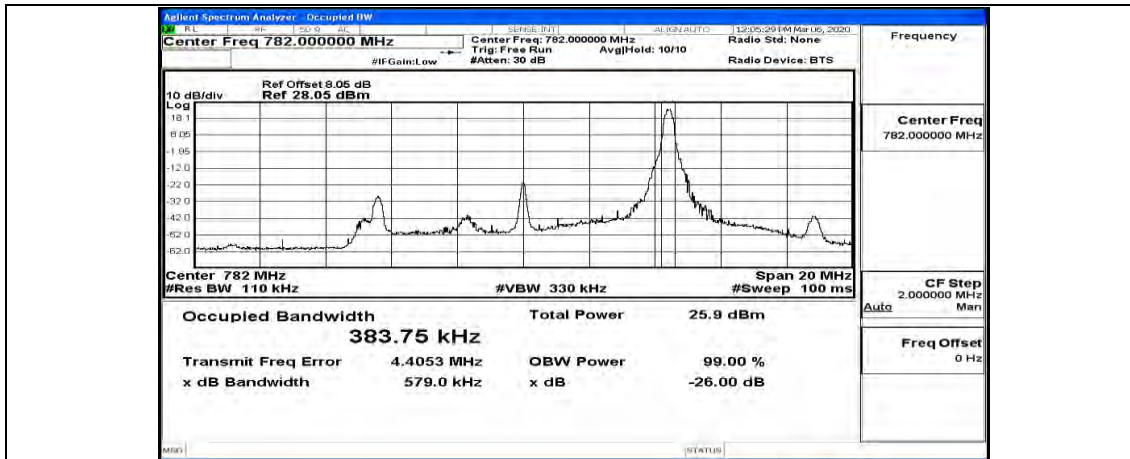
Channel Bandwidth: 10 MHz\_MCH\_16QAM\_1RB#0



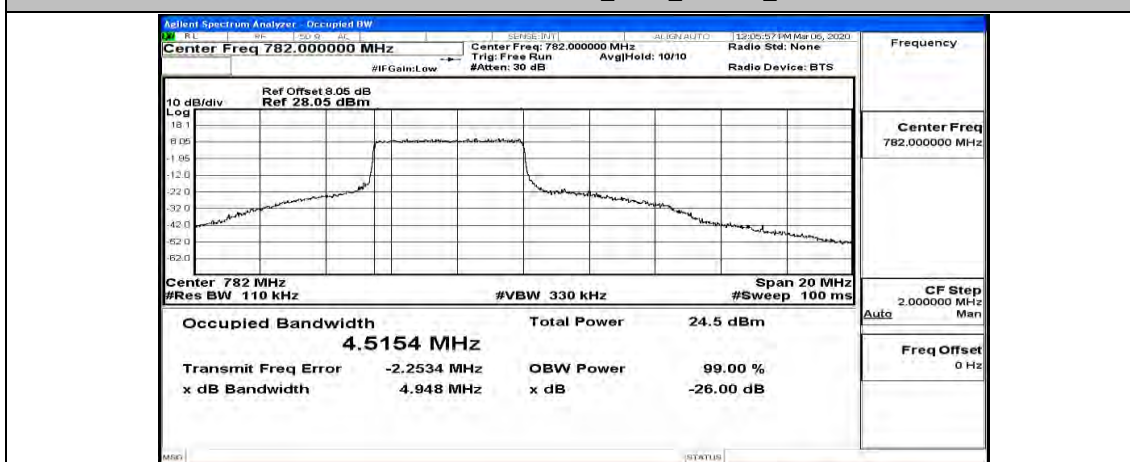
Channel Bandwidth: 10 MHz\_MCH\_16QAM\_1RB#25



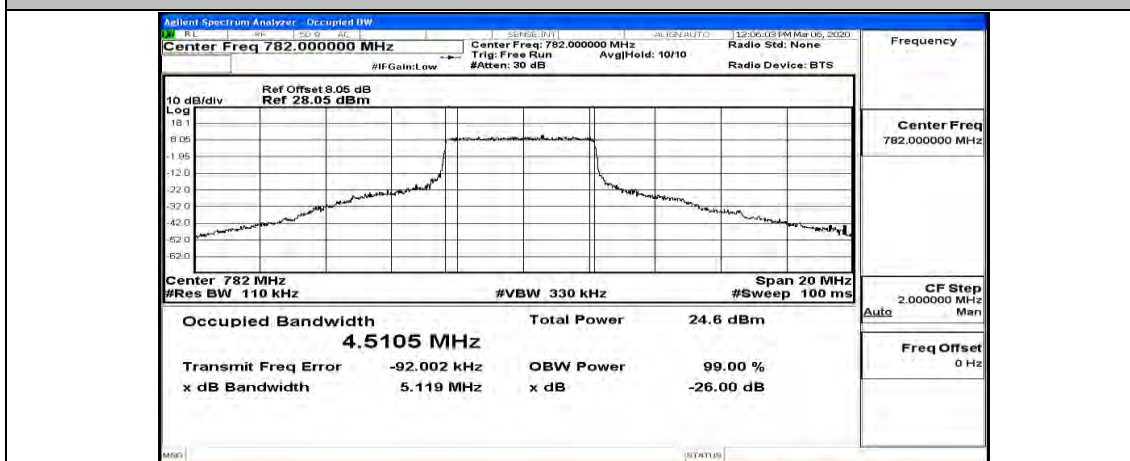
Channel Bandwidth: 10 MHz\_MCH\_16QAM\_1RB#49



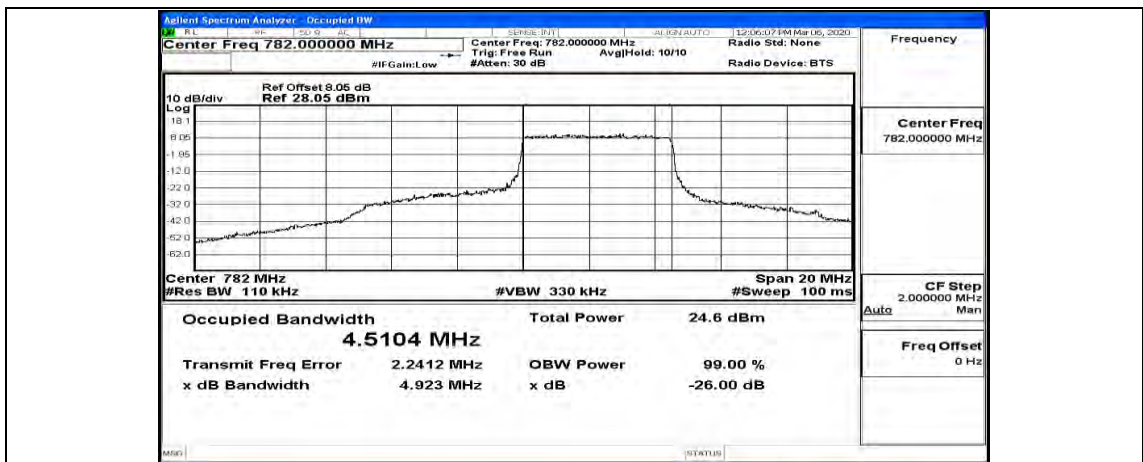
Channel Bandwidth: 10 MHz\_MCH\_16QAM\_25RB#



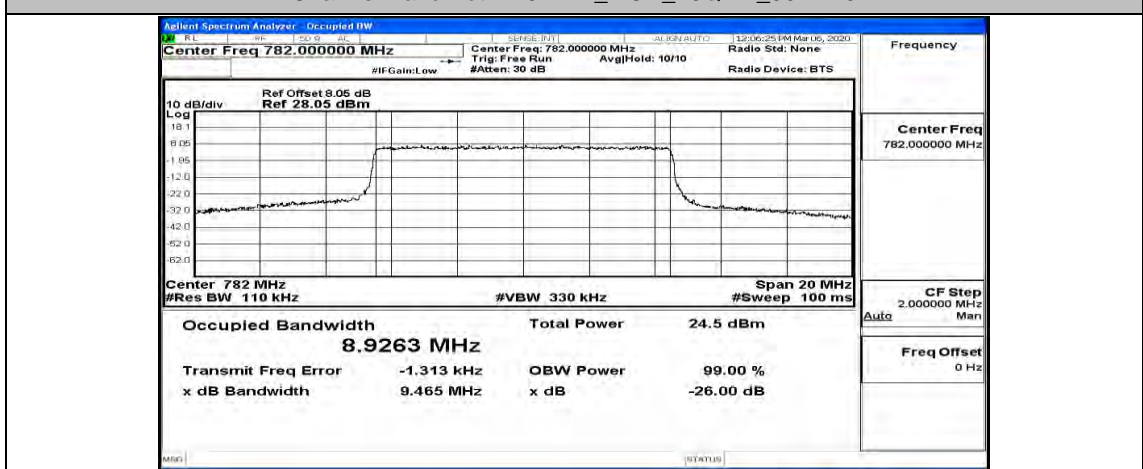
Channel Bandwidth: 10 MHz\_MCH\_16QAM\_25RB#12



Channel Bandwidth: 10 MHz\_MCH\_16QAM\_25RB#25



Channel Bandwidth: 10 MHz\_MCH\_16QAM\_50RB#0

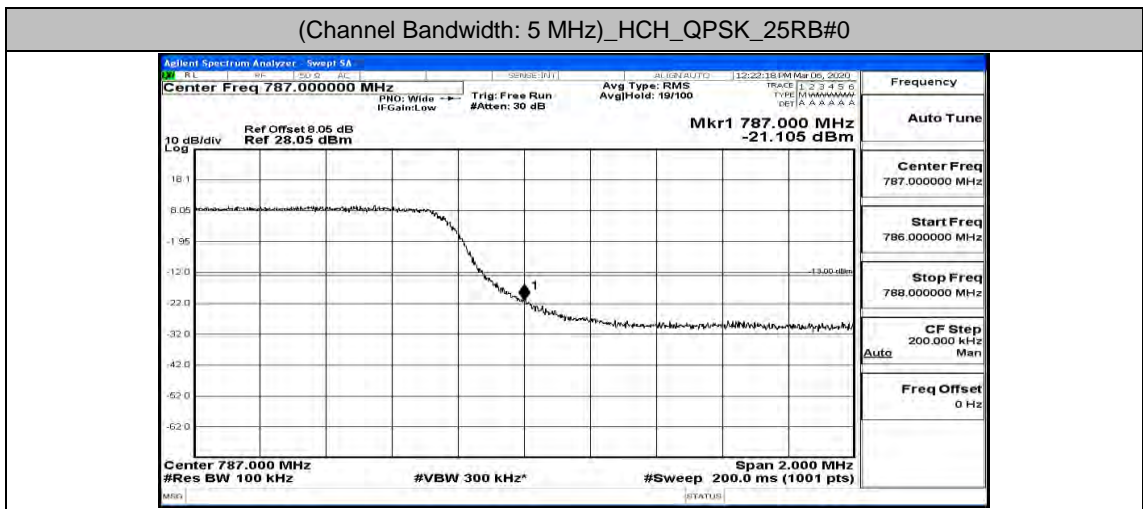
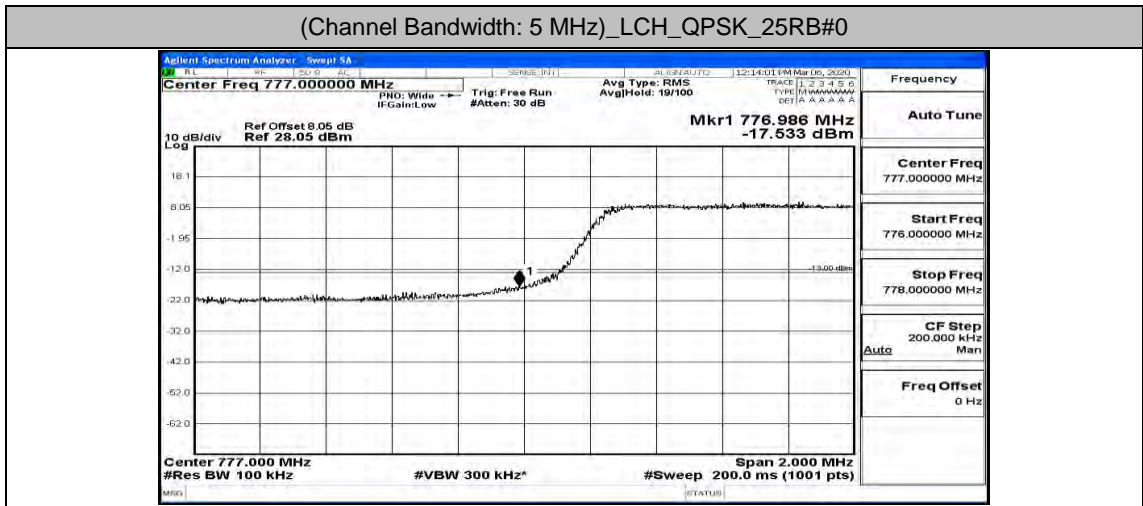




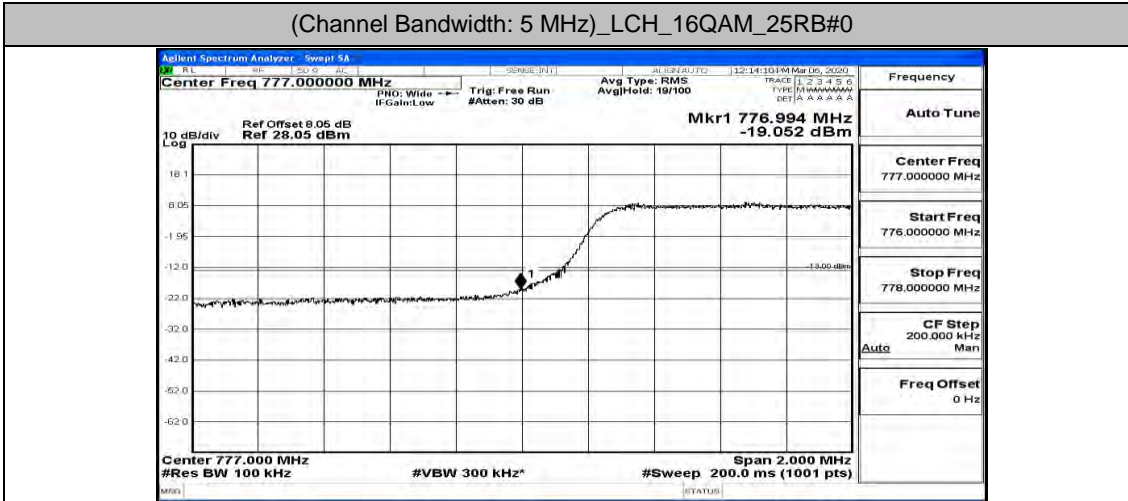
## F.4: Band Edge

### Test Graphs

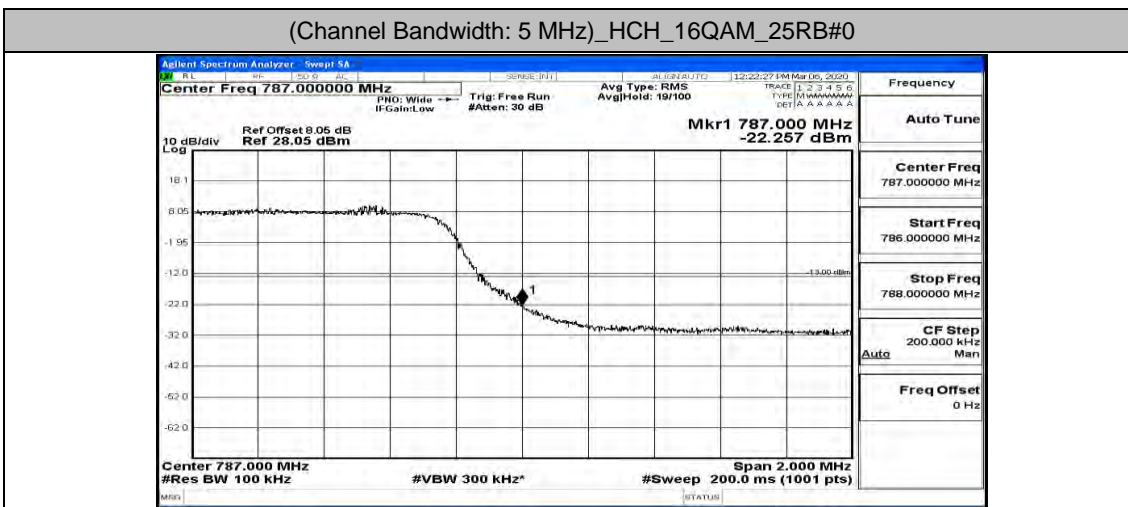
#### Channel Bandwidth: 5 MHz



(Channel Bandwidth: 5 MHz)\_LCH\_16QAM\_25RB#0

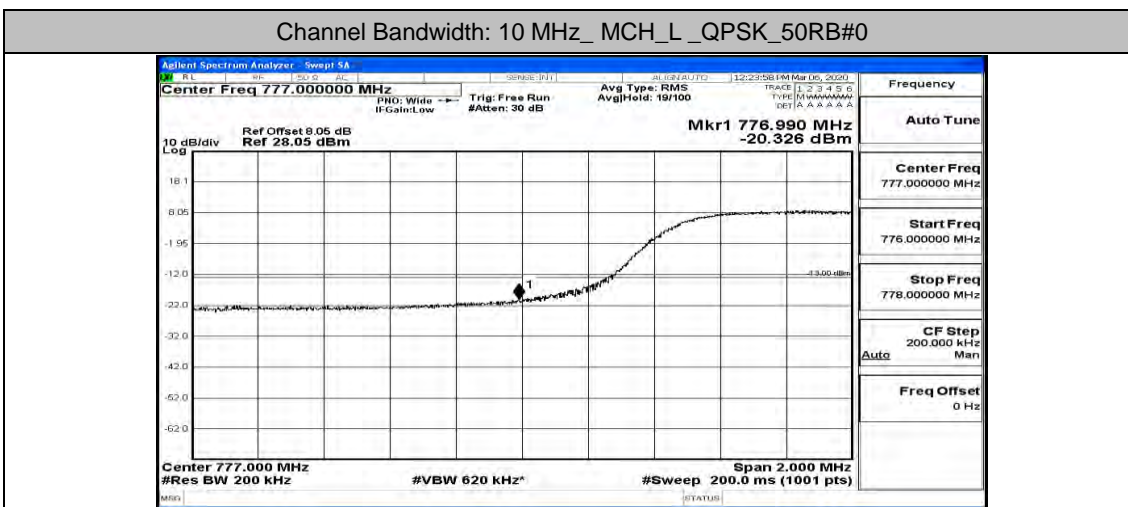


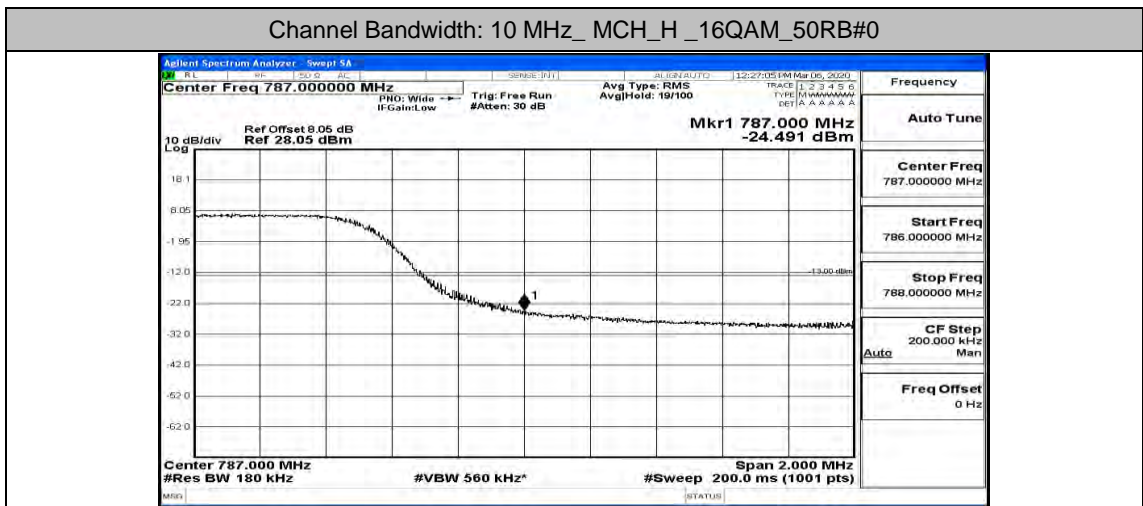
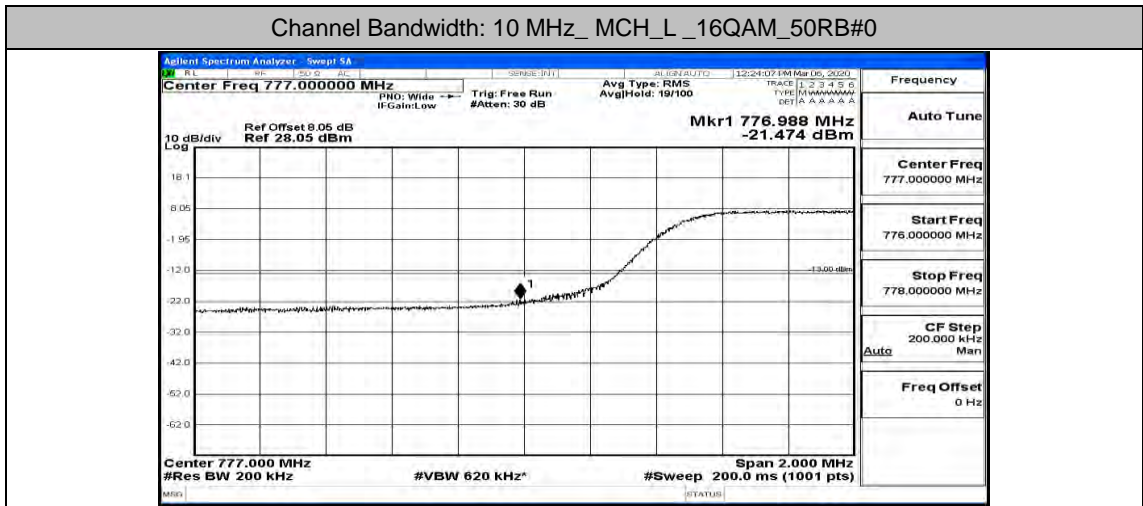
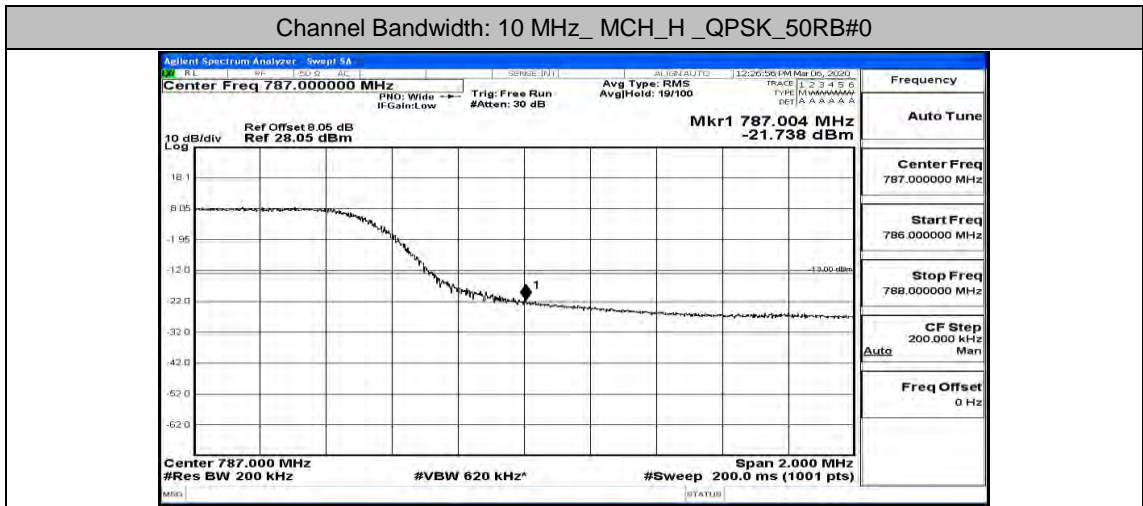
(Channel Bandwidth: 5 MHz)\_HCH\_16QAM\_25RB#0



Channel Bandwidth: 10 MHz

Channel Bandwidth: 10 MHz\_MCH\_L\_QPSK\_50RB#0

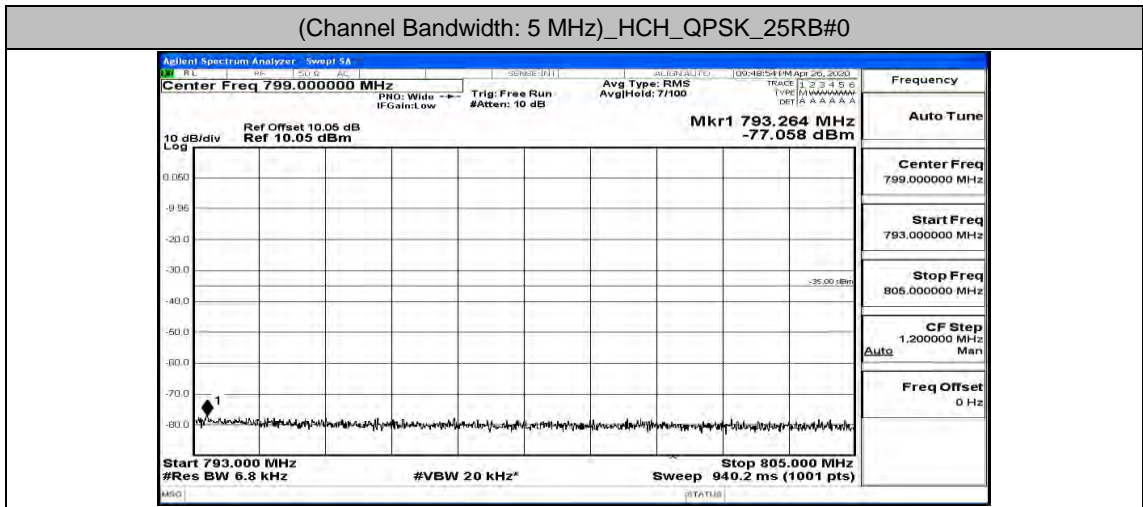
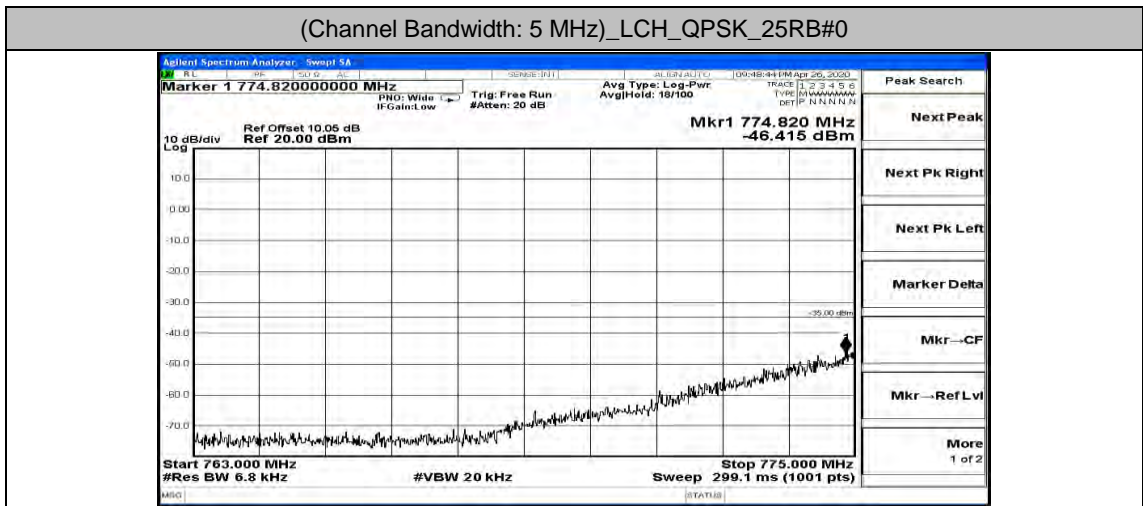




### Band Edge(Additional requirement at 763MHz~775MHz,793MHz~805MHz)

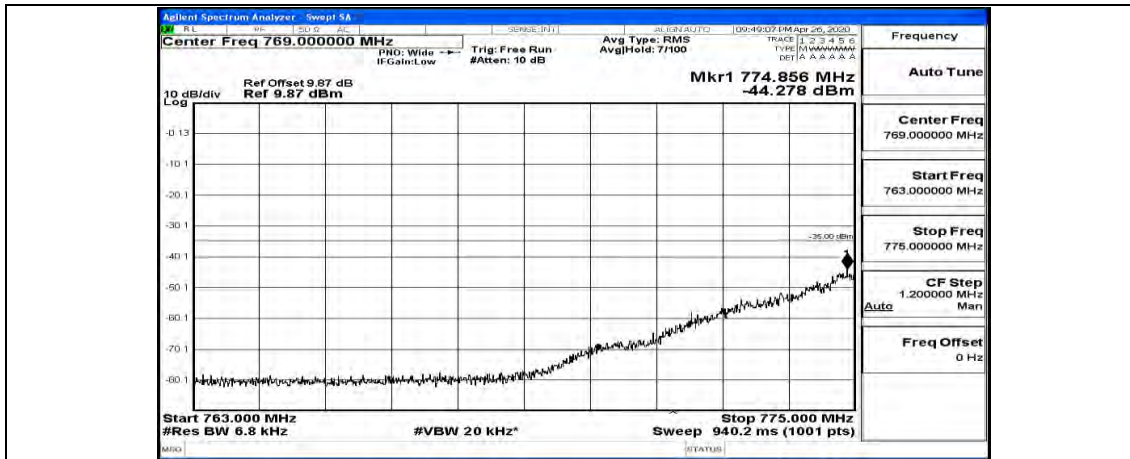
#### Test Graphs

#### Channel Bandwidth: 5 MHz

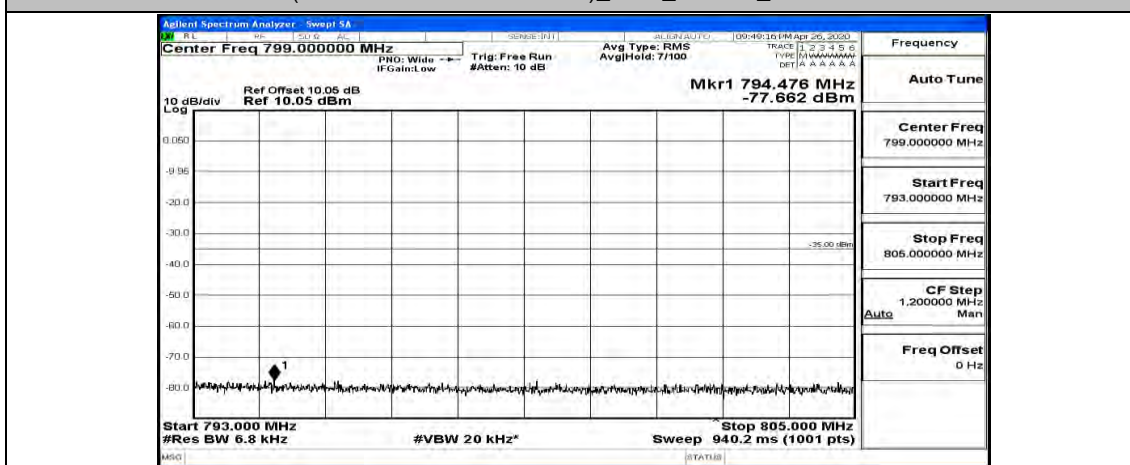


(Channel Bandwidth: 5 MHz)\_LCH\_16QAM\_25RB#0





(Channel Bandwidth: 5 MHz)\_HCH\_16QAM\_25RB#0

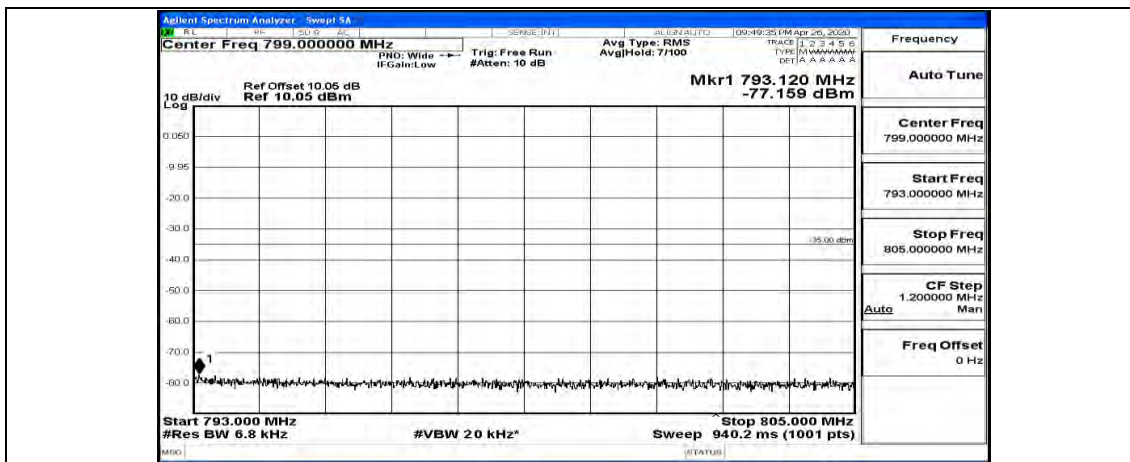


Channel Bandwidth: 10 MHz

Channel Bandwidth: 10 MHz\_LCH\_QPSK\_50RB#0



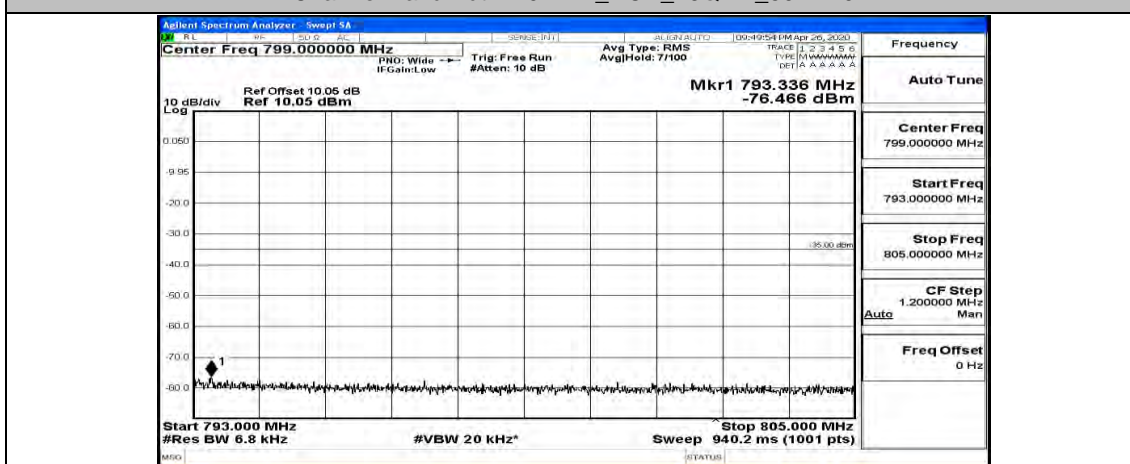
Channel Bandwidth: 10 MHz\_HCH\_QPSK\_50RB#0



Channel Bandwidth: 10 MHz\_LCH\_16QAM\_50RB#0



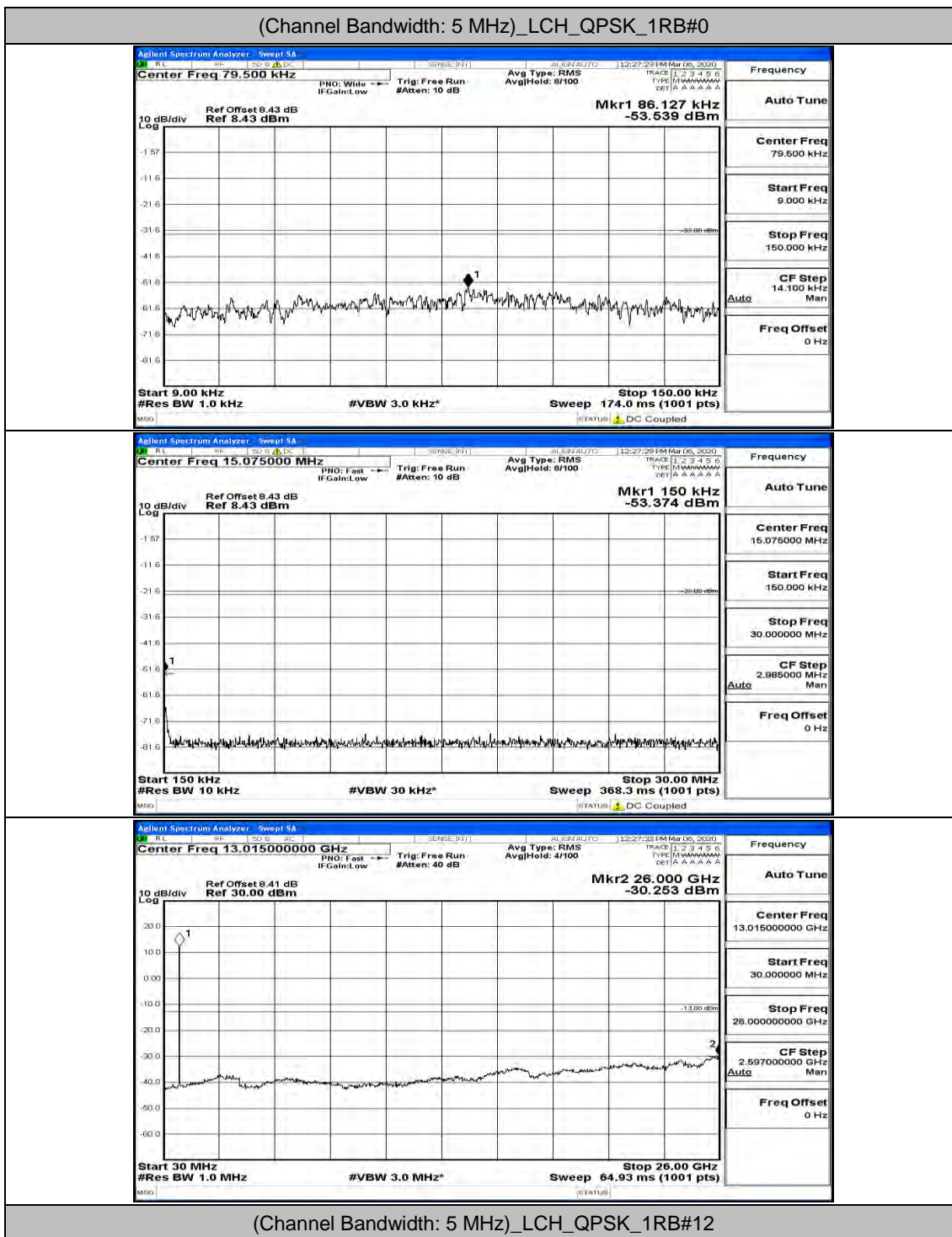
Channel Bandwidth: 10 MHz\_HCH\_16QAM\_50RB#0



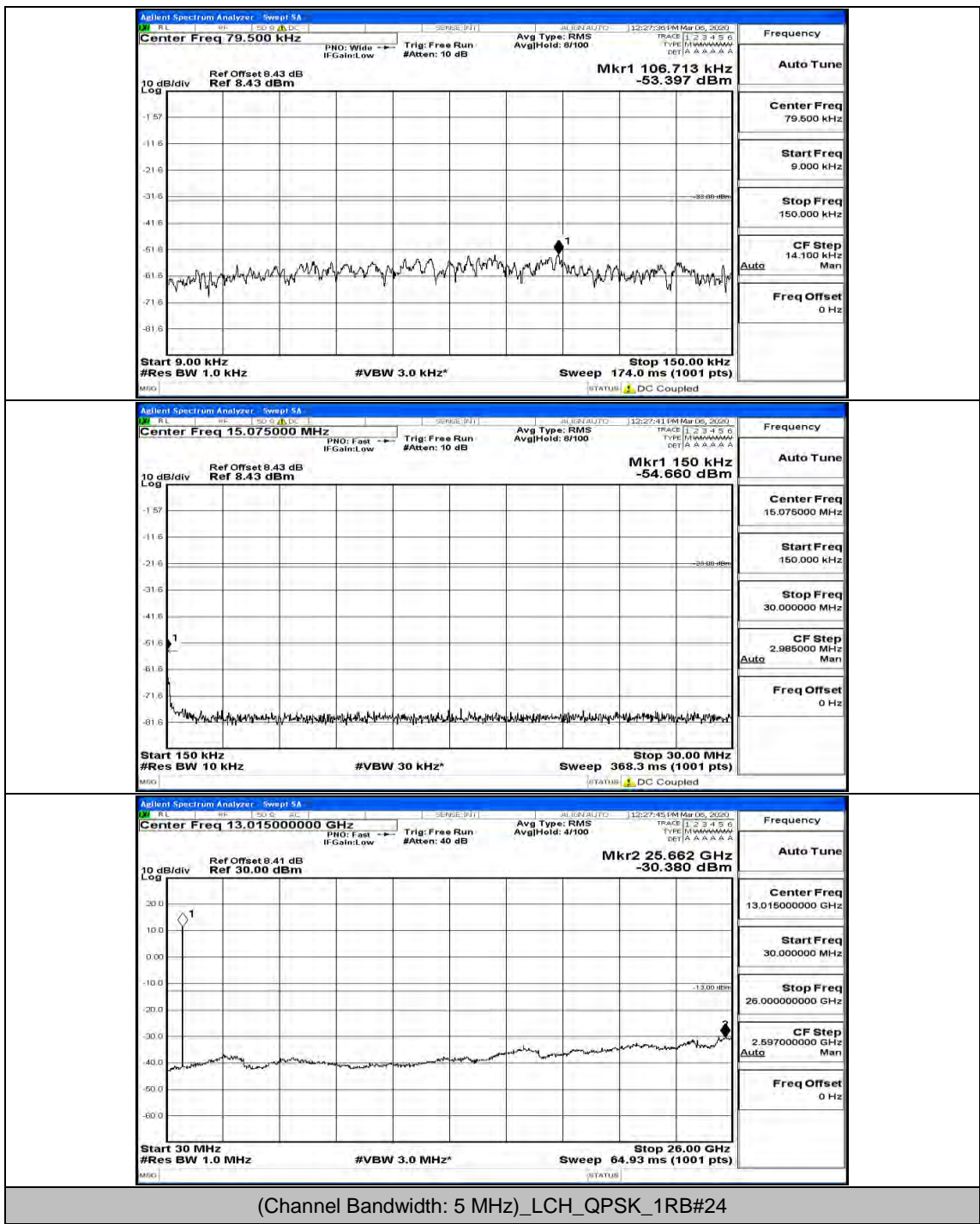
# Appendix E: Conducted Spurious Emission

## Test Graphs

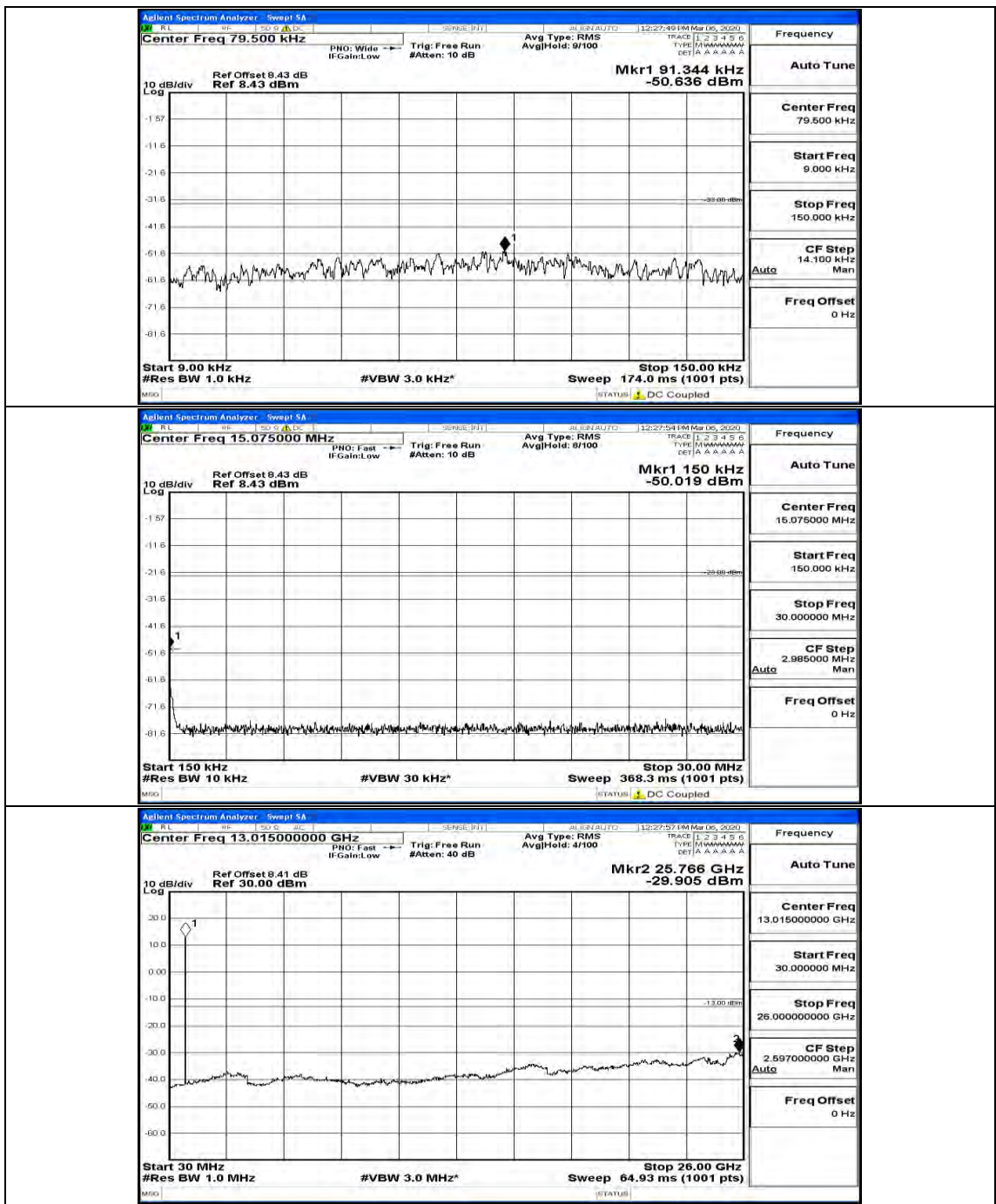
### Channel Bandwidth: 5 MHz



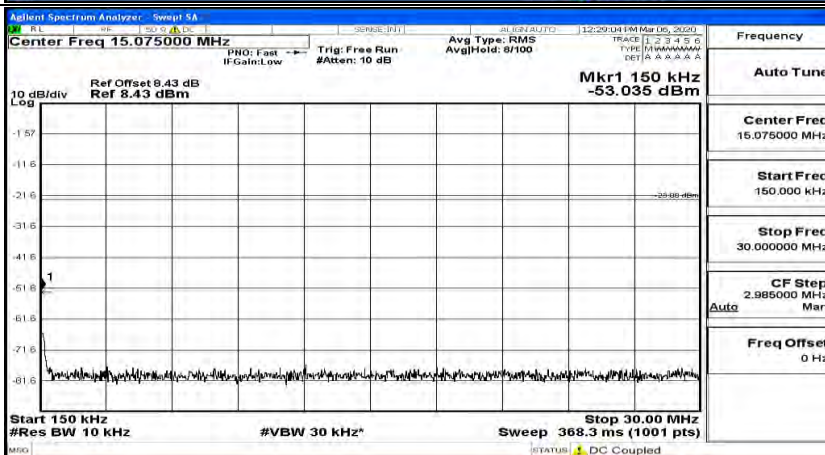
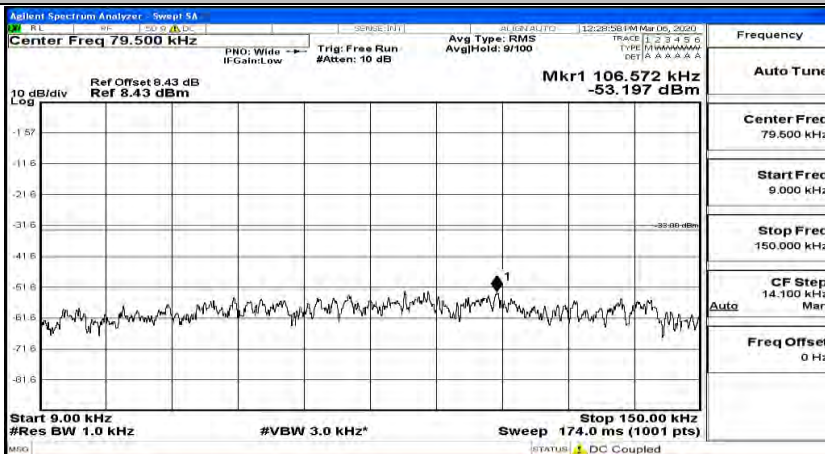




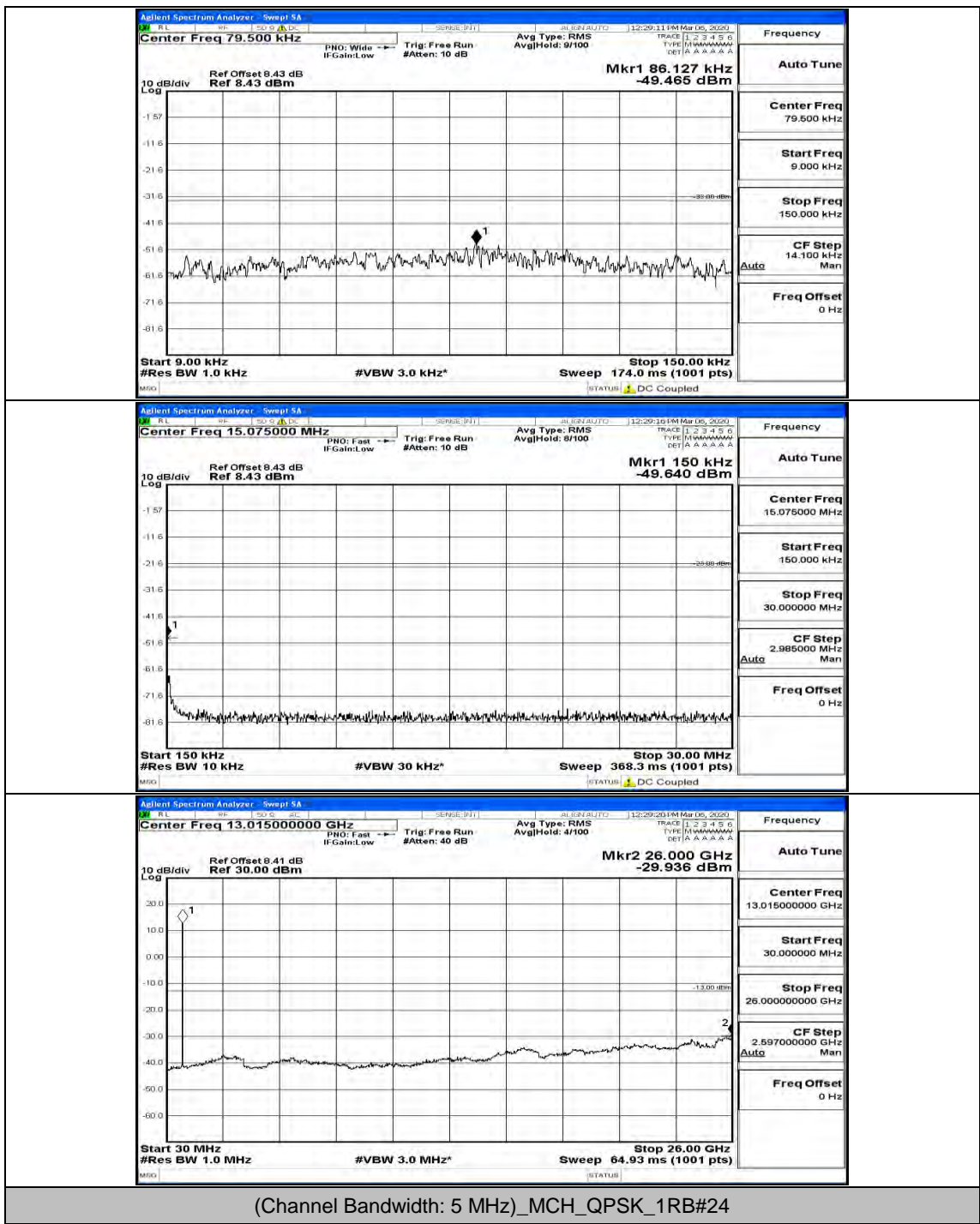


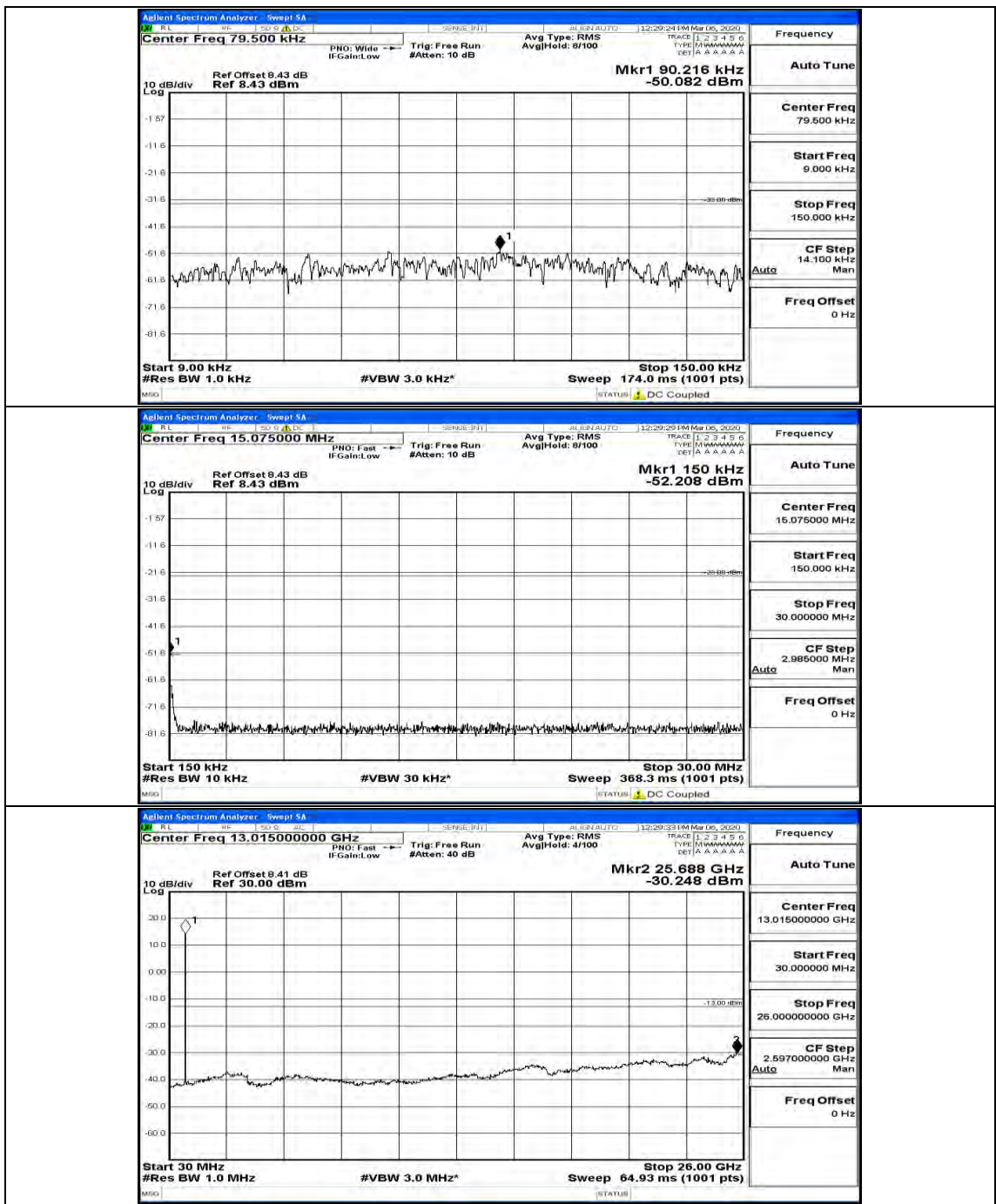


(Channel Bandwidth: 5 MHz)\_MCH\_QPSK\_1RB#0



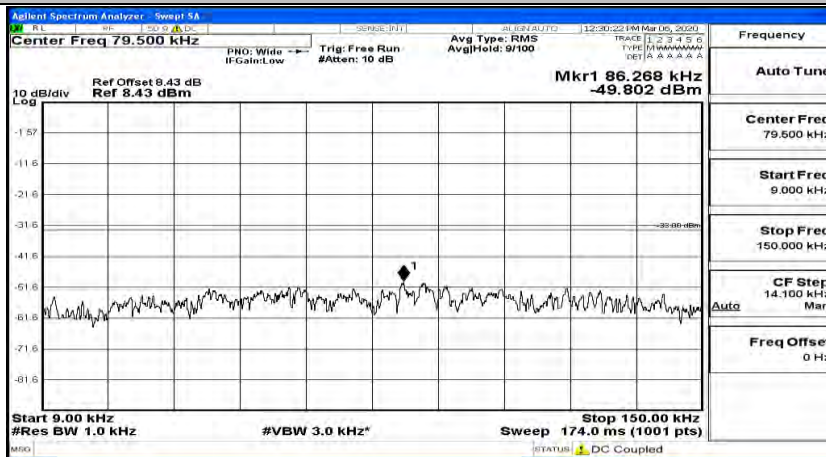
(Channel Bandwidth: 5 MHz)\_MCH\_QPSK\_1RB#12



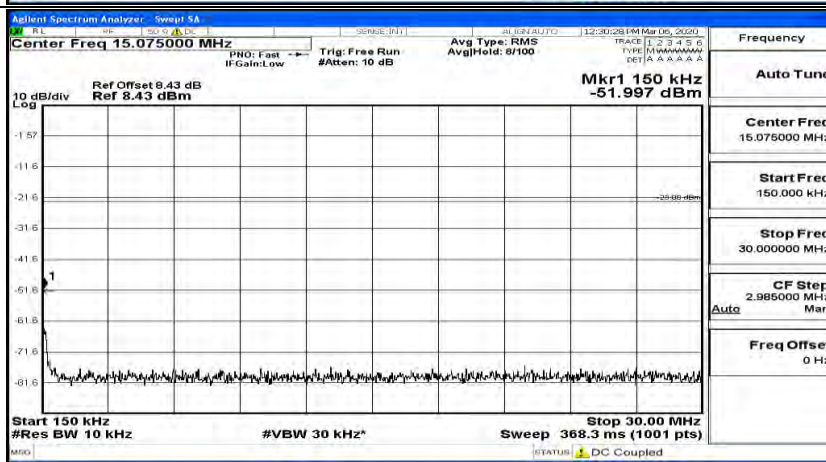




(Channel Bandwidth: 5 MHz)\_HCH\_QPSK\_1RB#0



Frequency
Auto Tune
Center Freq 79.500 kHz
Start Freq 9.000 kHz
Stop Freq 150.000 kHz
CF Step 14.100 kHz Auto
Freq Offset 0 Hz

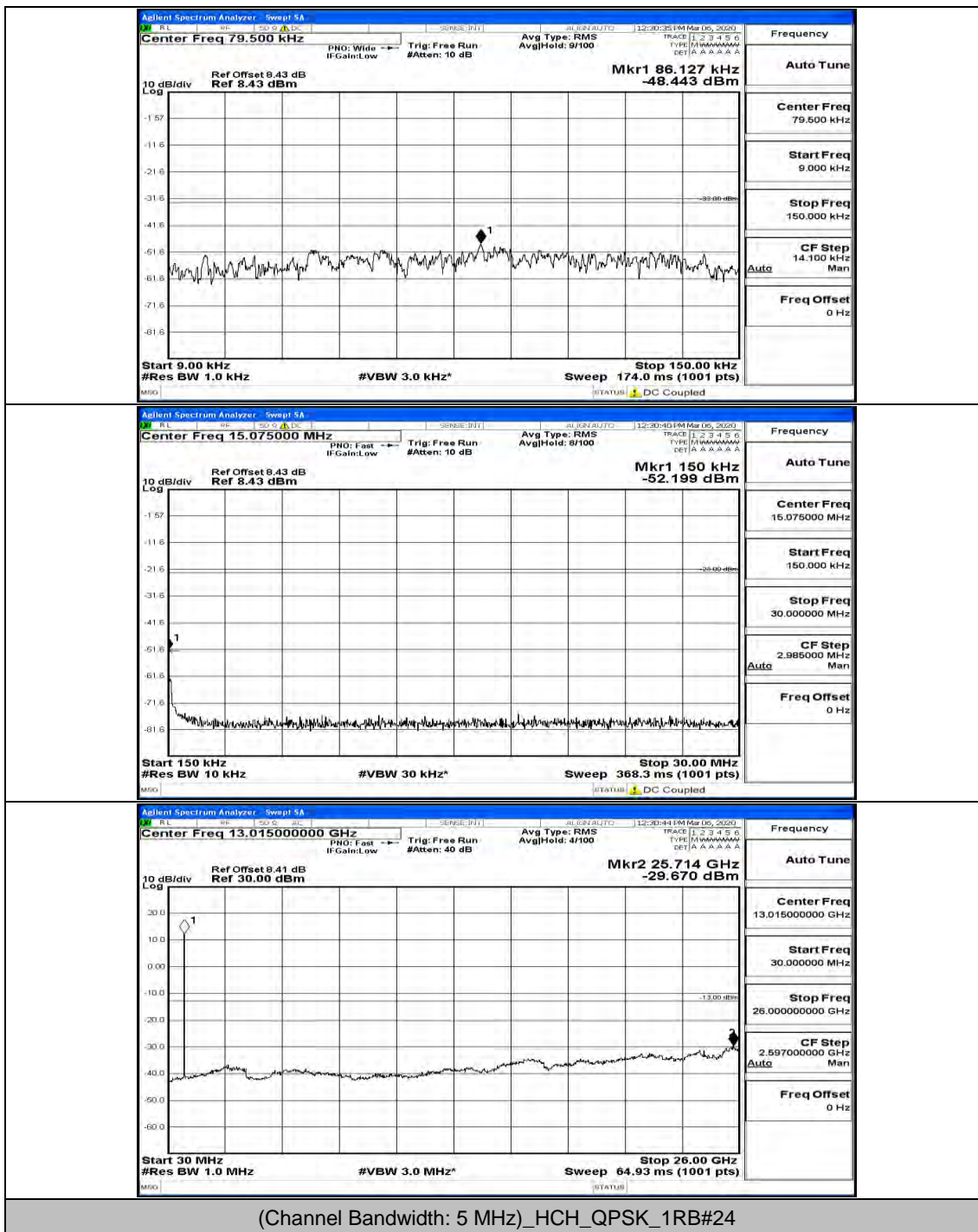


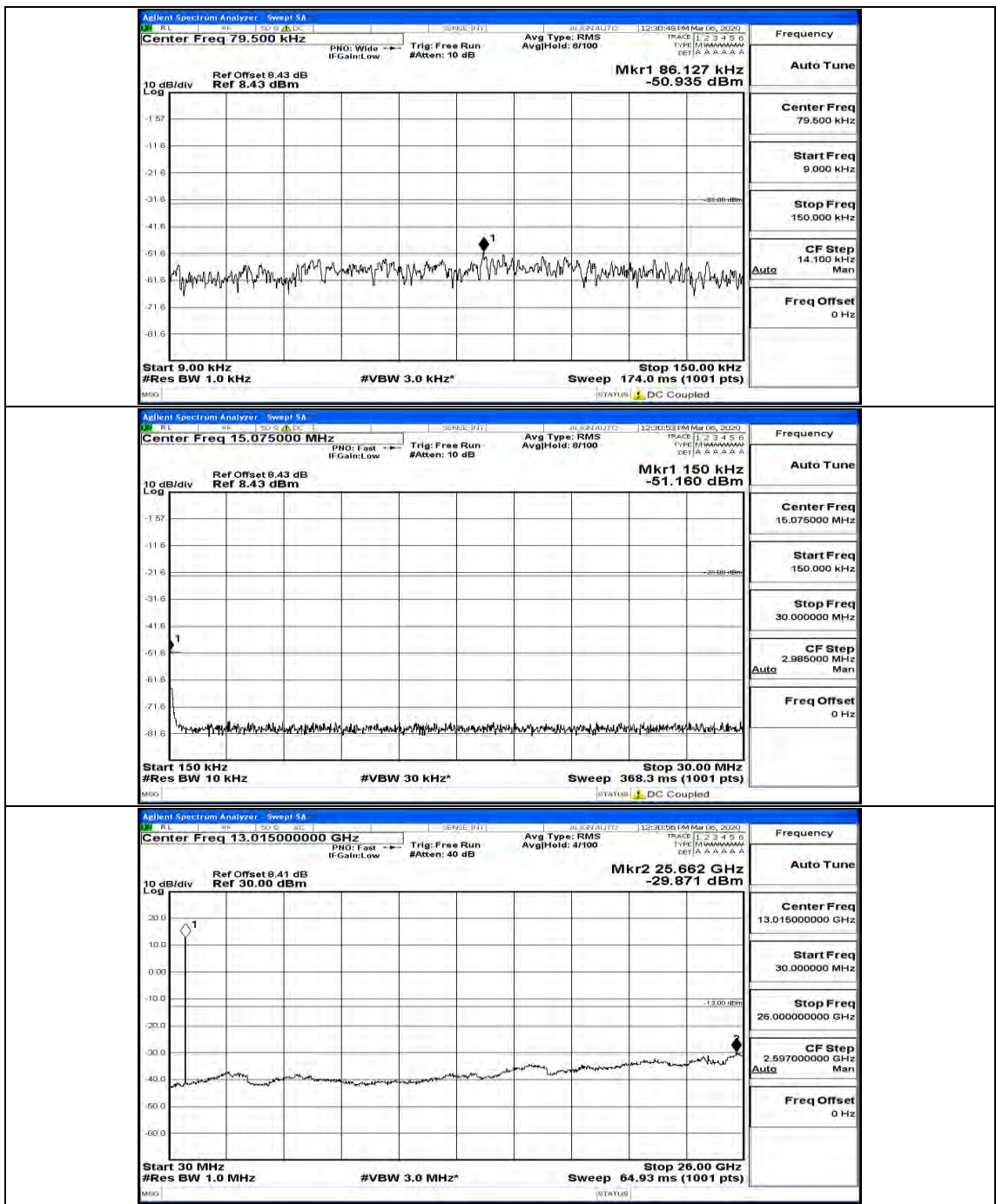
Frequency
Auto Tune
Center Freq 15.075000 MHz
Start Freq 150.000 kHz
Stop Freq 30.000000 MHz
CF Step 2.985000 MHz Auto
Freq Offset 0 Hz



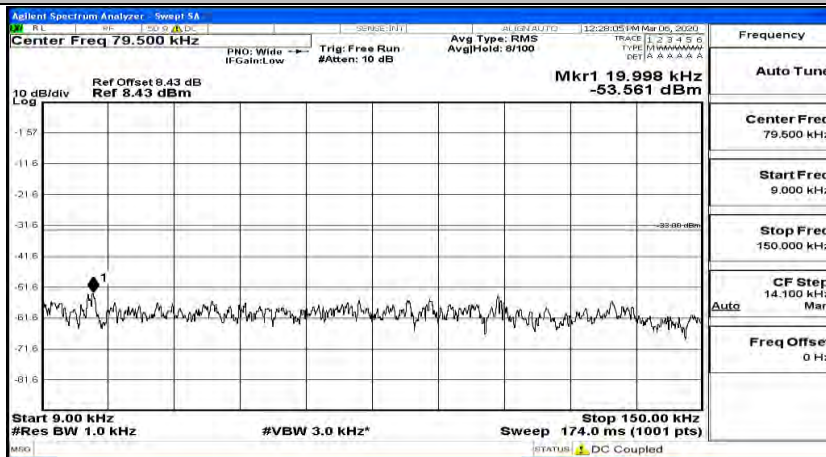
Frequency
Auto Tune
Center Freq 13.015000000 GHz
Start Freq 30.000000 MHz
Stop Freq 26.000000000 GHz
CF Step 2.597000000 GHz Auto
Freq Offset 0 Hz

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

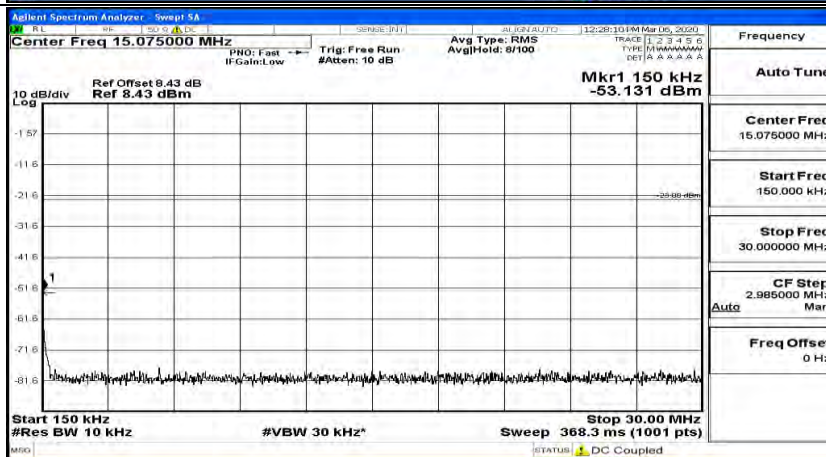




(Channel Bandwidth: 5 MHz)\_LCH\_16QAM\_1RB#0



Frequency
Auto Tune
Center Freq 79.500 kHz
Start Freq 9.000 kHz
Stop Freq 150.000 kHz
CF Step 14.100 kHz Auto Man
Freq Offset 0 Hz



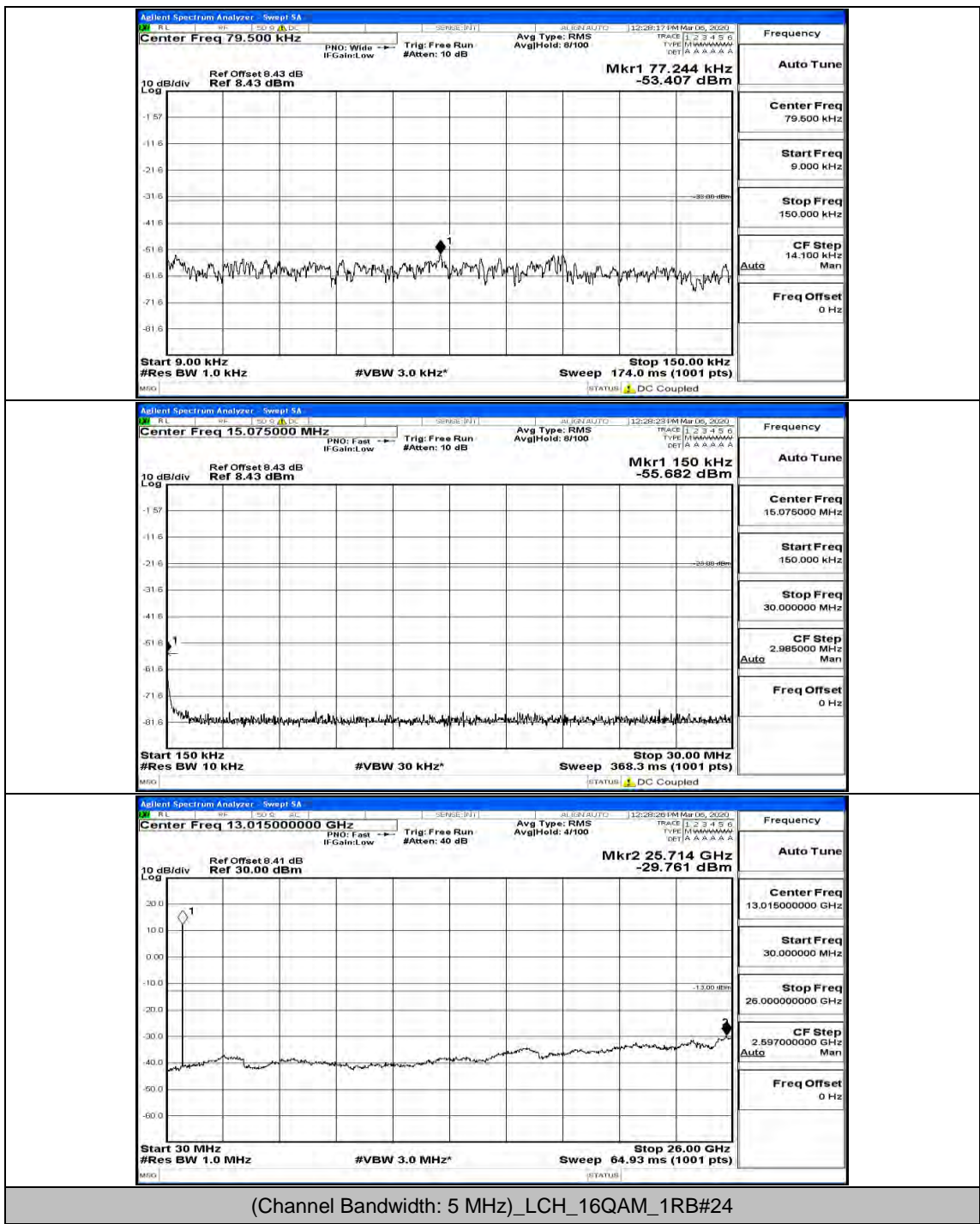
Frequency
Auto Tune
Center Freq 15.075000 MHz
Start Freq 150.000 kHz
Stop Freq 30.000000 MHz
CF Step 2.985000 MHz Auto Man
Freq Offset 0 Hz

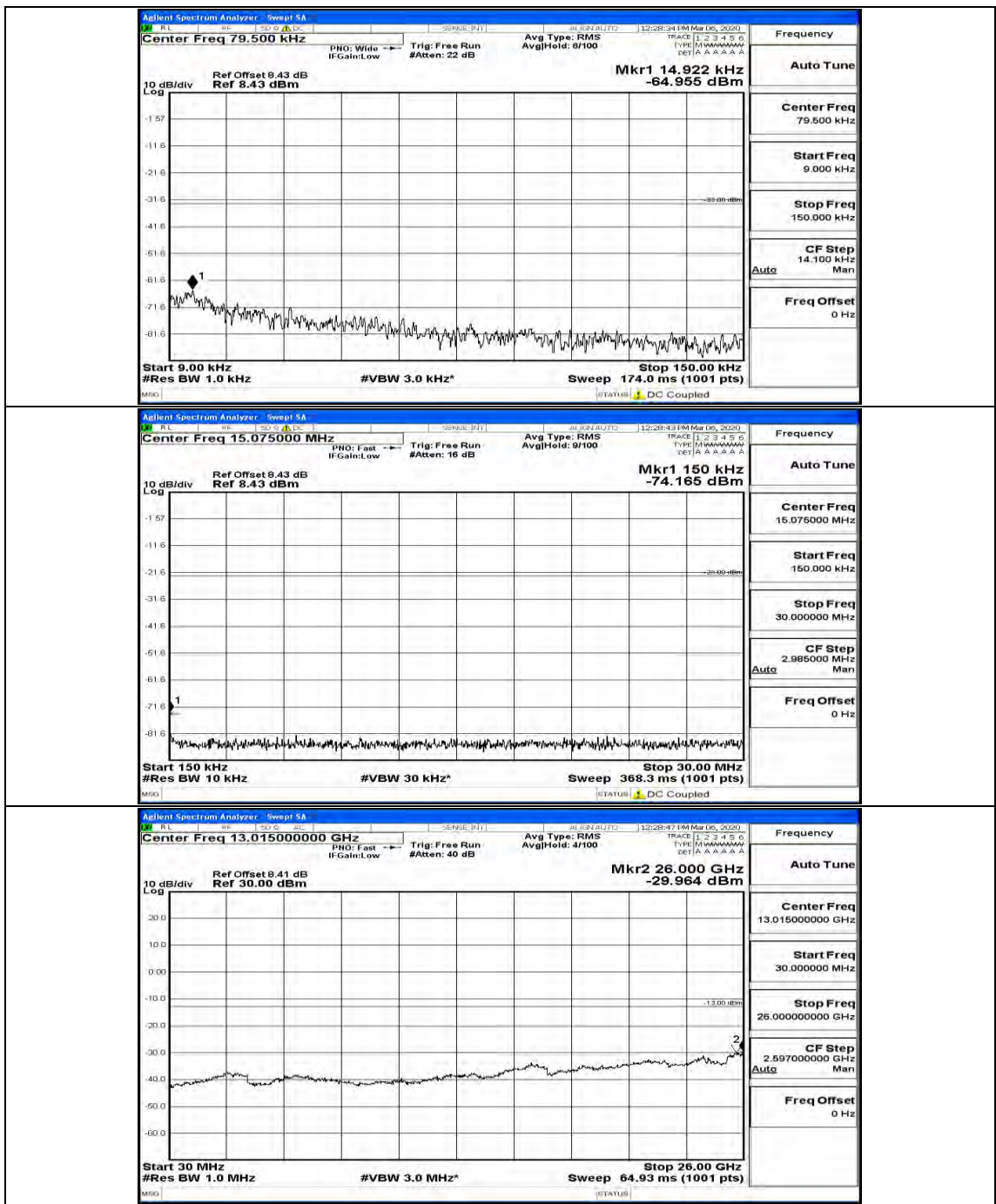


Frequency
Auto Tune
Center Freq 13.015000000 GHz
Start Freq 30.000000 MHz
Stop Freq 26.000000000 GHz
CF Step 2.597000000 GHz Auto Man
Freq Offset 0 Hz

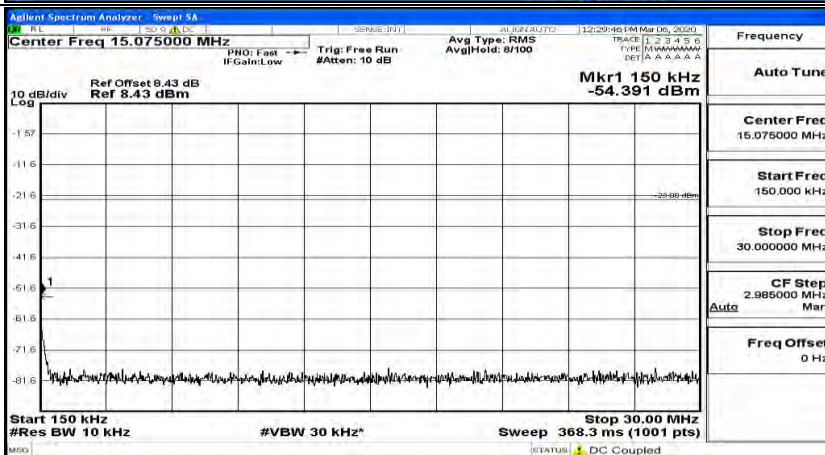
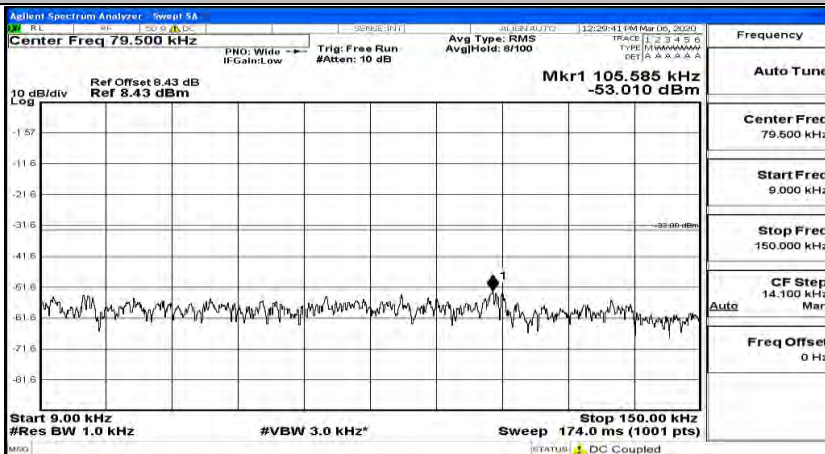
(Channel Bandwidth: 5 MHz)\_LCH\_16QAM\_1RB#12



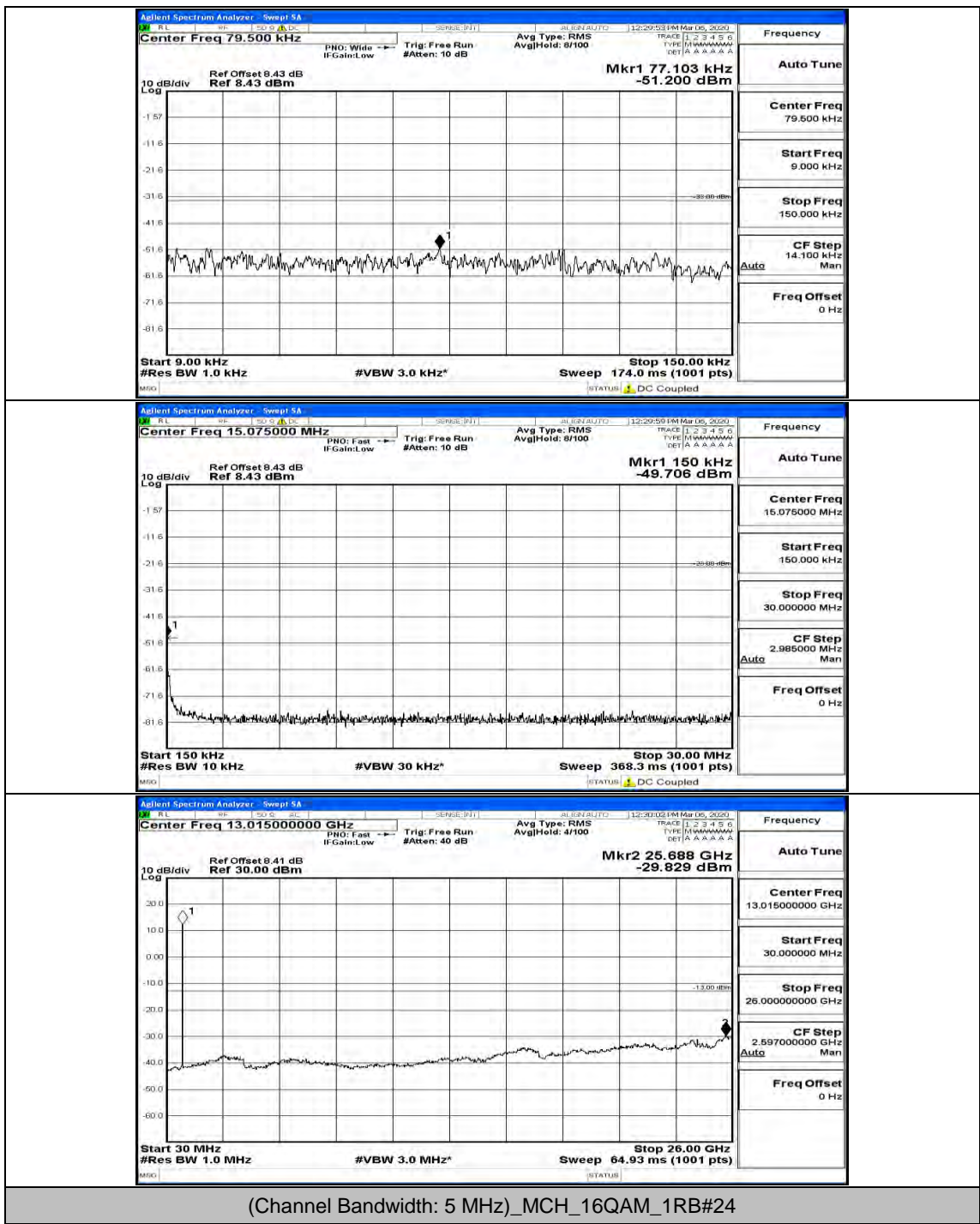




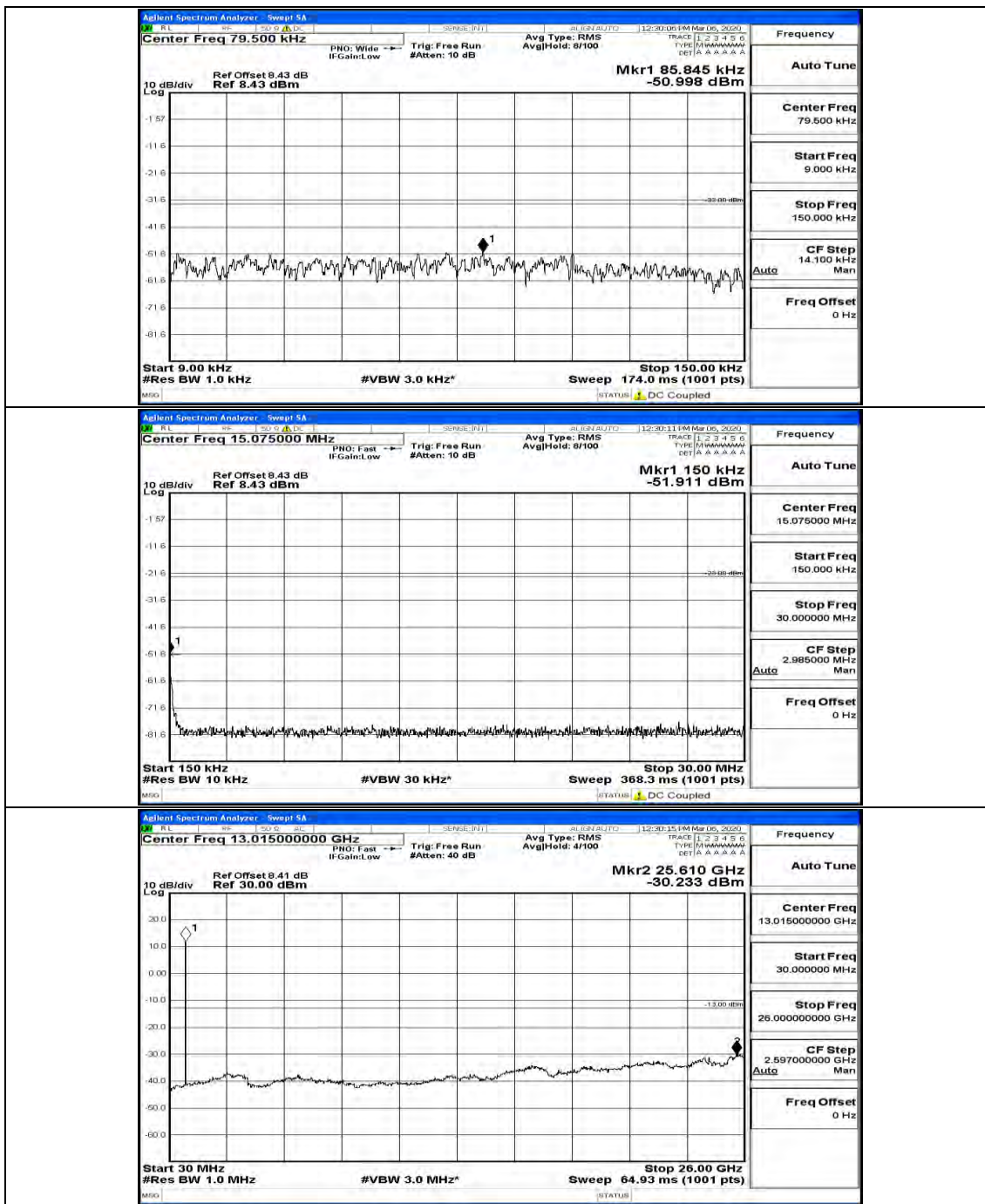
(Channel Bandwidth: 5 MHz)\_MCH\_16QAM\_1RB#0



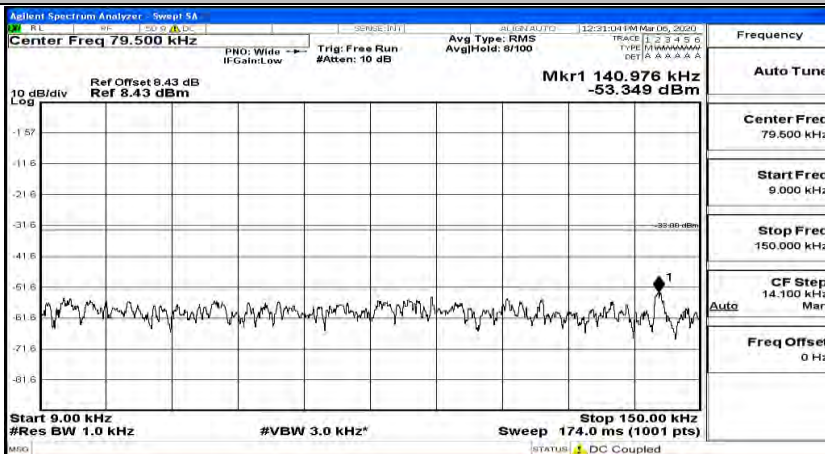
(Channel Bandwidth: 5 MHz)\_MCH\_16QAM\_1RB#12



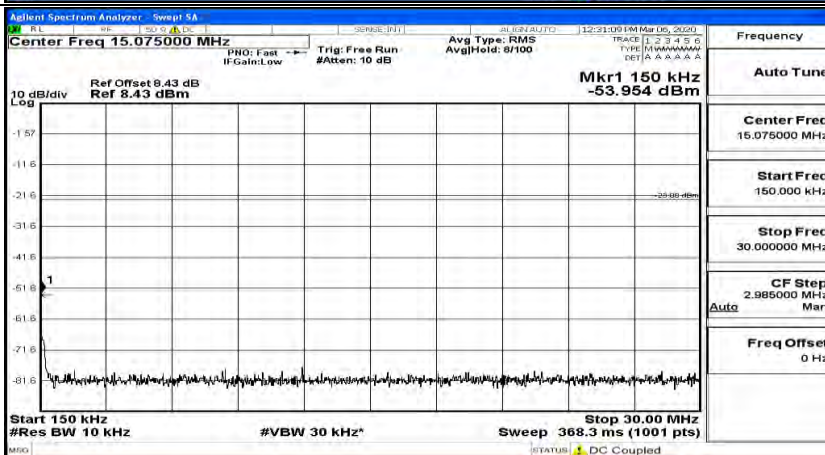




(Channel Bandwidth: 5 MHz)\_HCH\_16QAM\_1RB#0



Frequency
Auto Tune
Center Freq 79.500 kHz
Start Freq 9.000 kHz
Stop Freq 150.000 kHz
CF Step 14.100 kHz
Auto
Man
Freq Offset 0 Hz

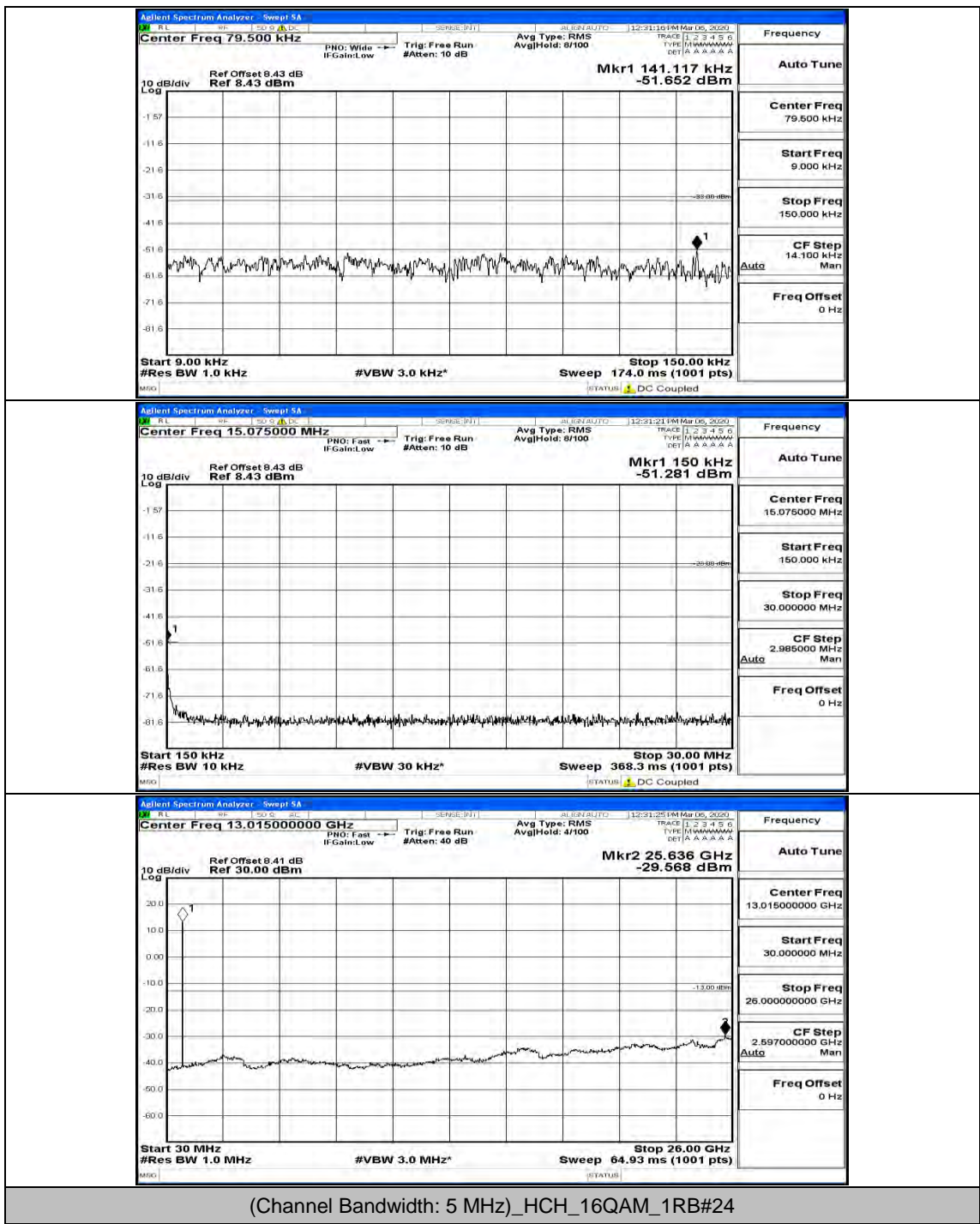


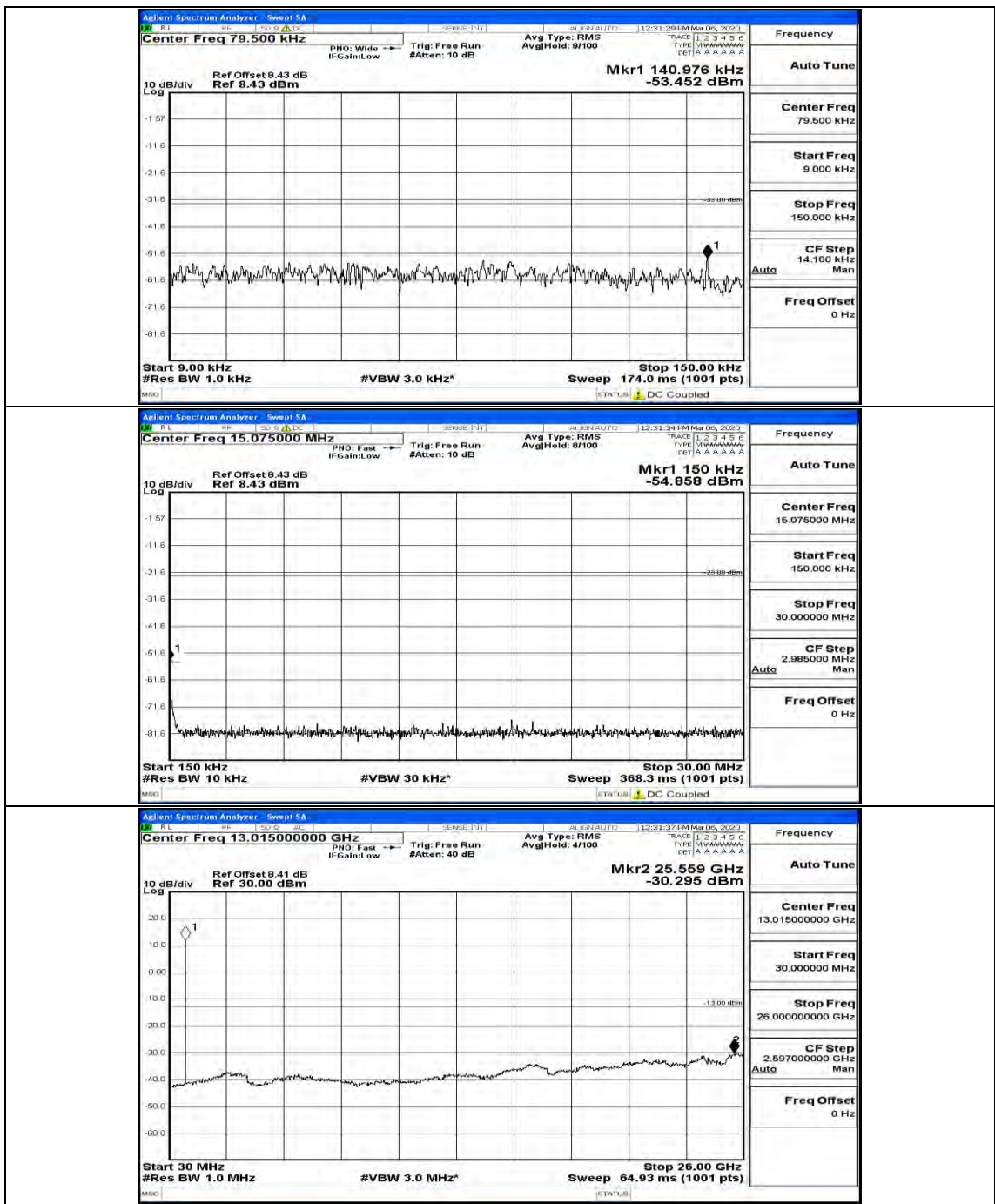
Frequency
Auto Tune
Center Freq 15.075000 MHz
Start Freq 150.000 kHz
Stop Freq 30.000000 MHz
CF Step 2.985000 MHz
Auto
Man
Freq Offset 0 Hz



Frequency
Auto Tune
Center Freq 13.015000000 GHz
Start Freq 30.000000 MHz
Stop Freq 26.000000000 GHz
CF Step 2.597000000 GHz
Auto
Man
Freq Offset 0 Hz

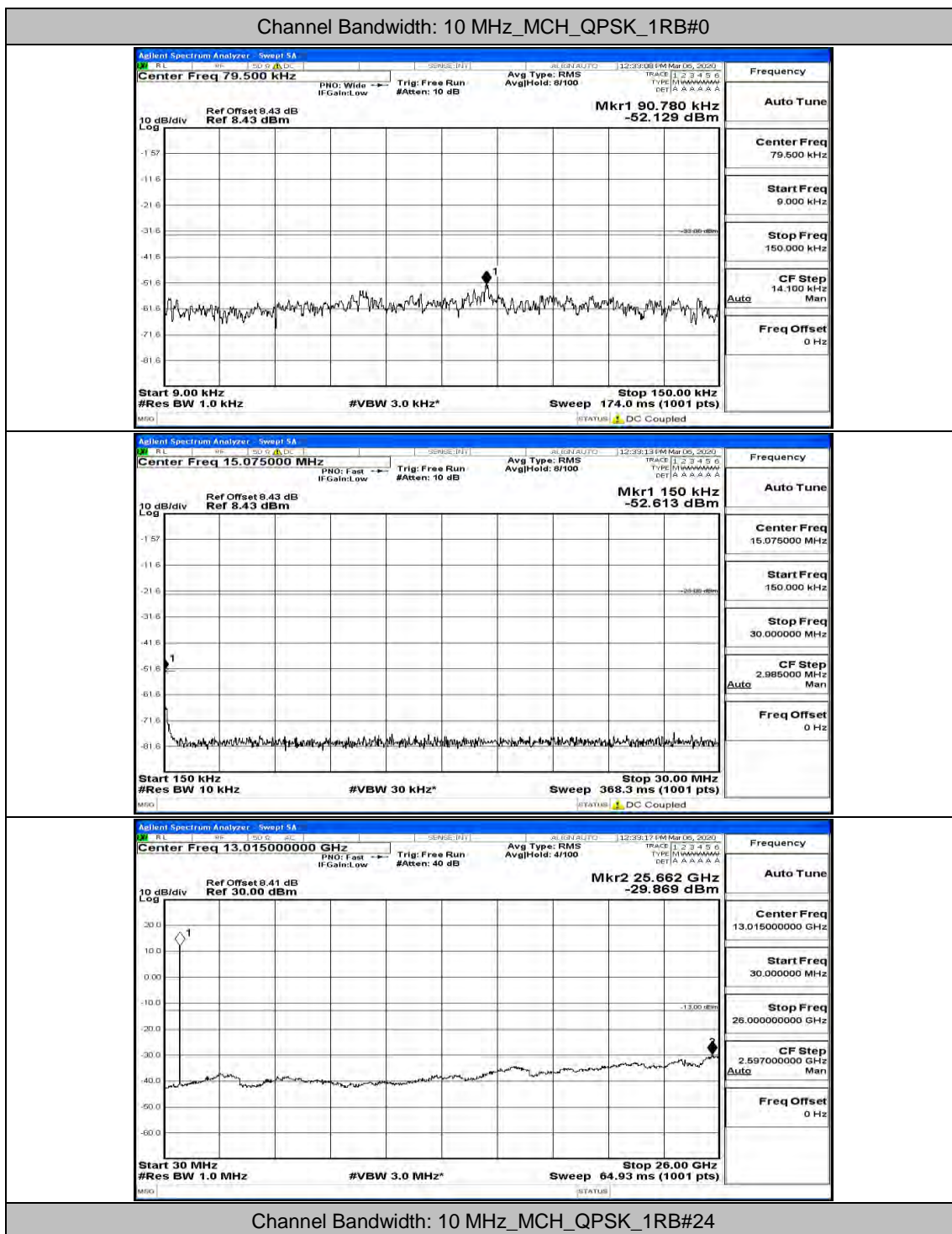
(Channel Bandwidth: 5 MHz)\_HCH\_16QAM\_1RB#12

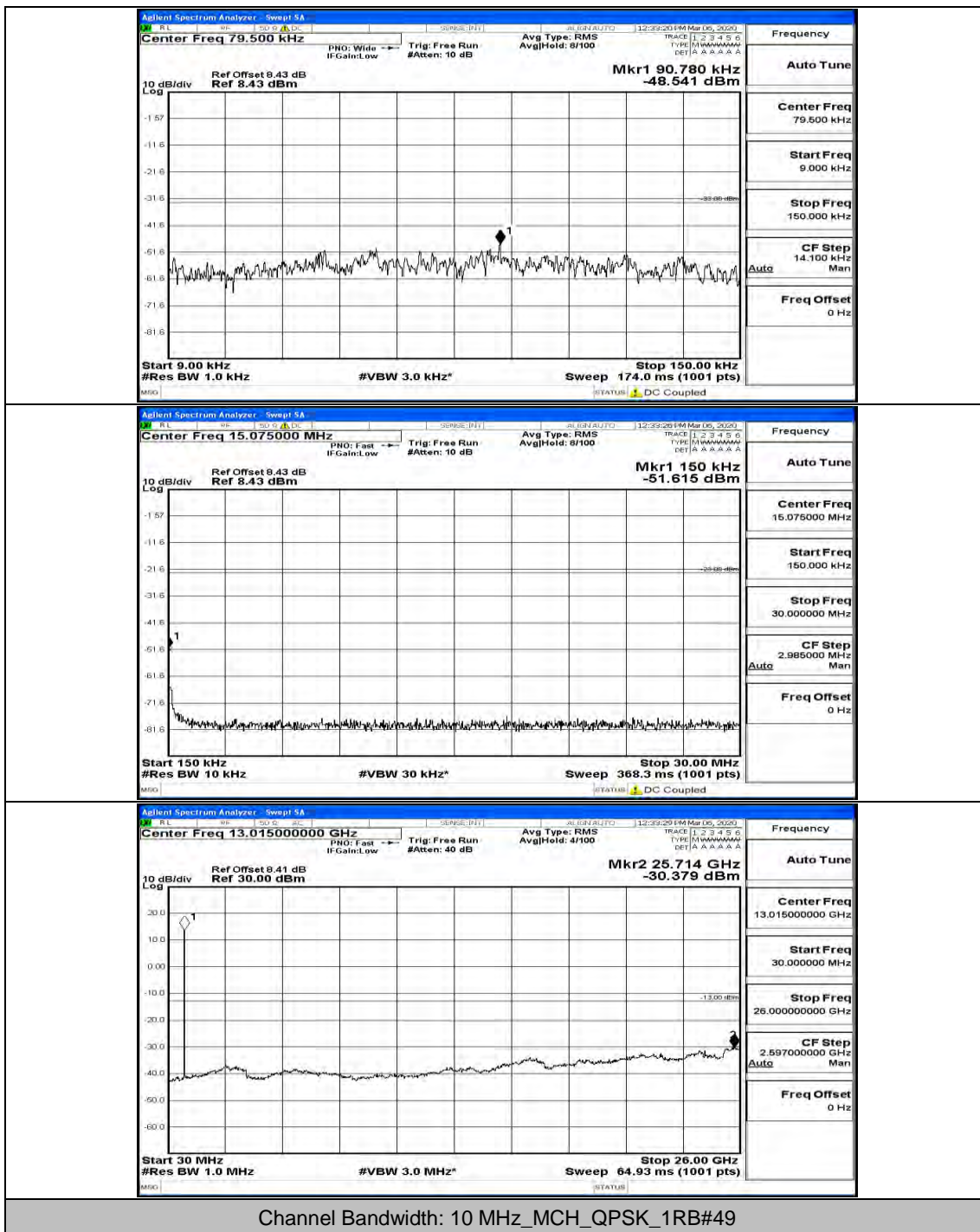


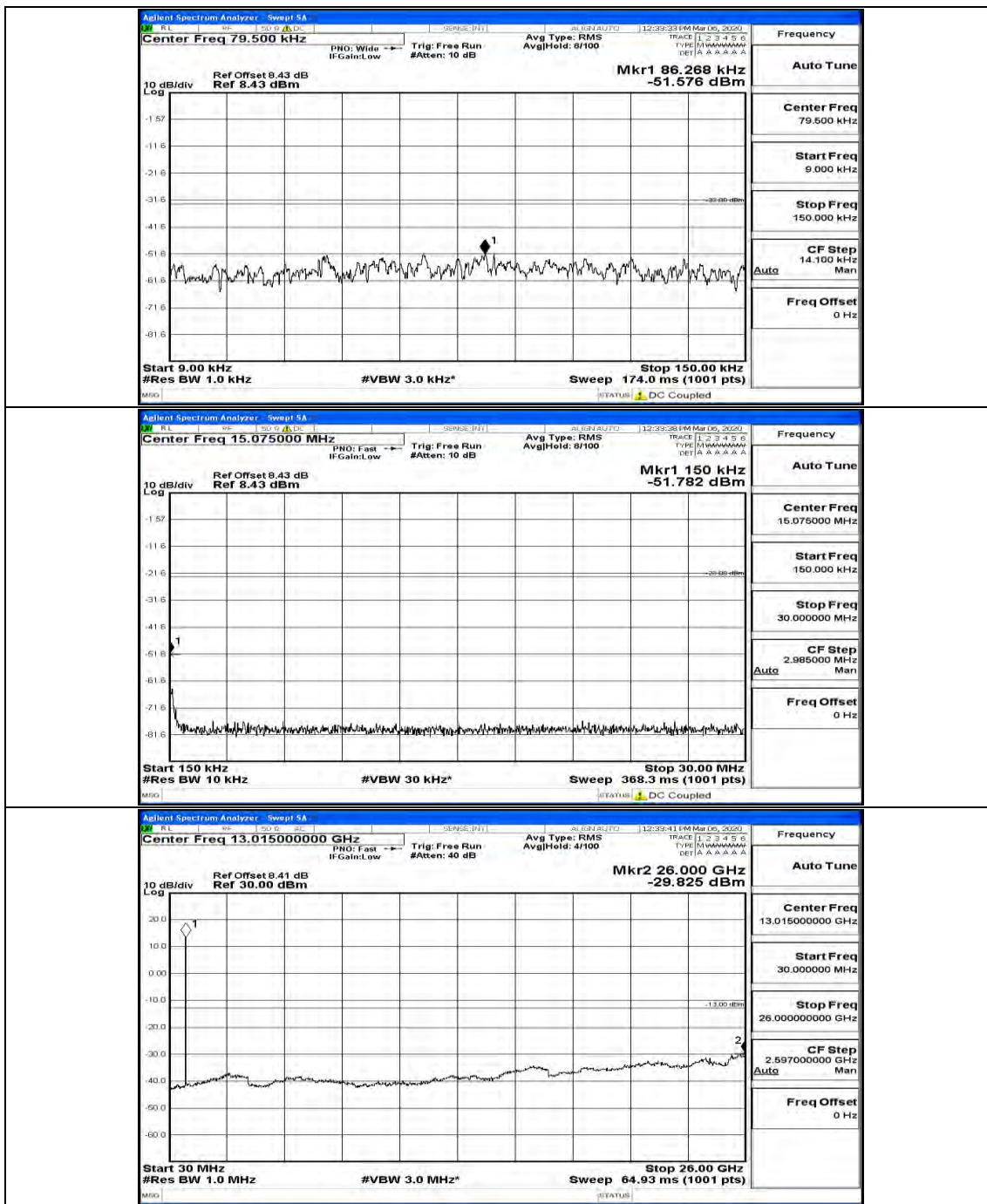


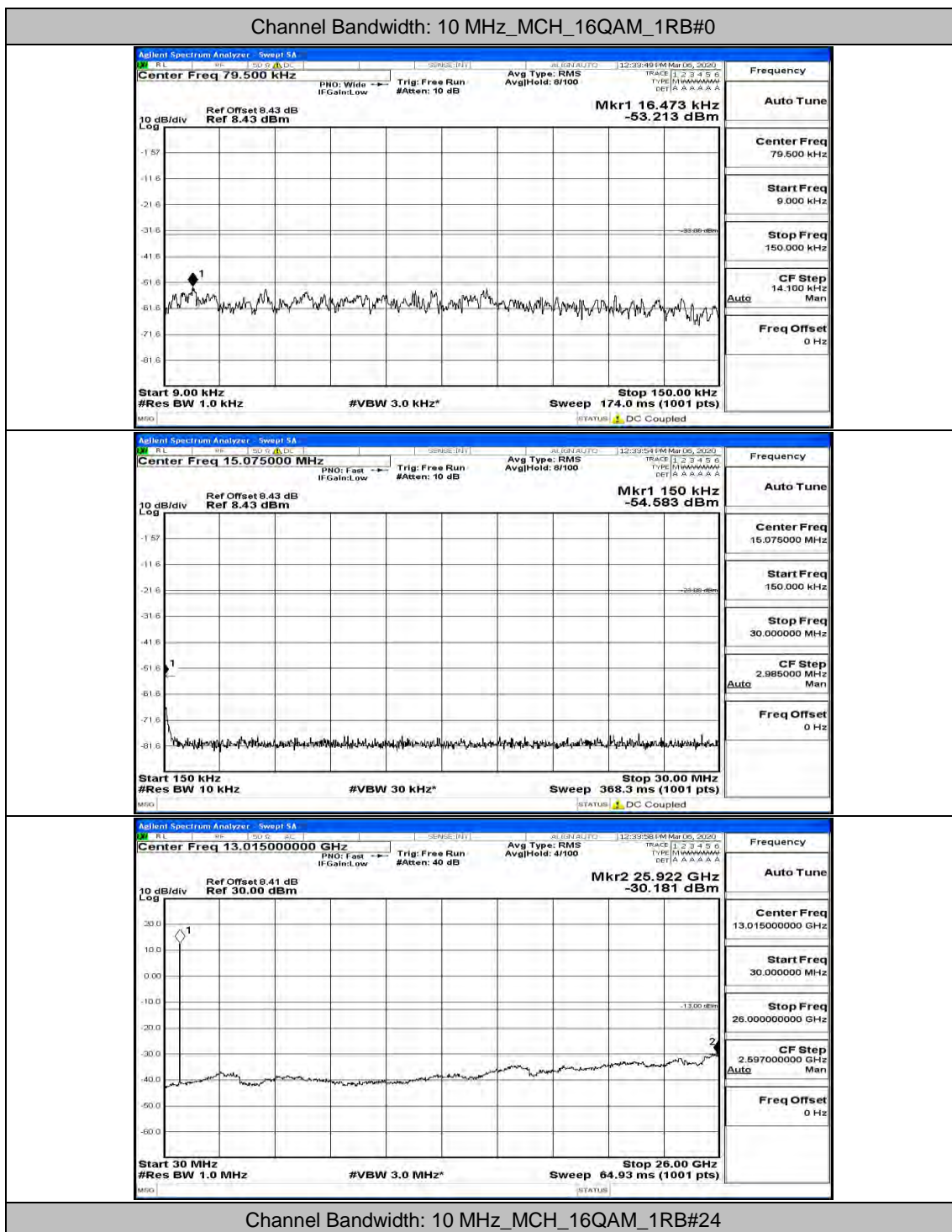


Channel Bandwidth: 10 MHz

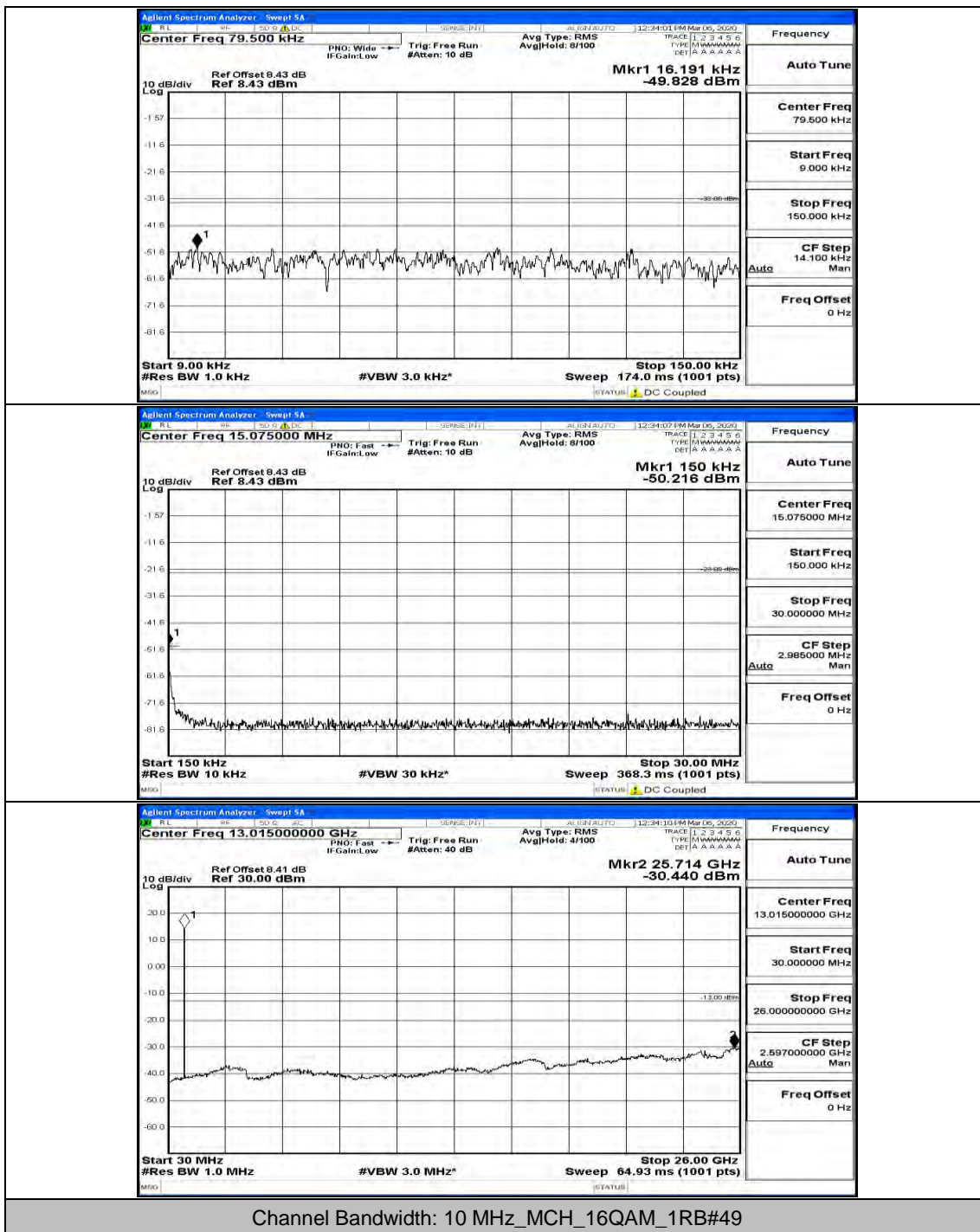


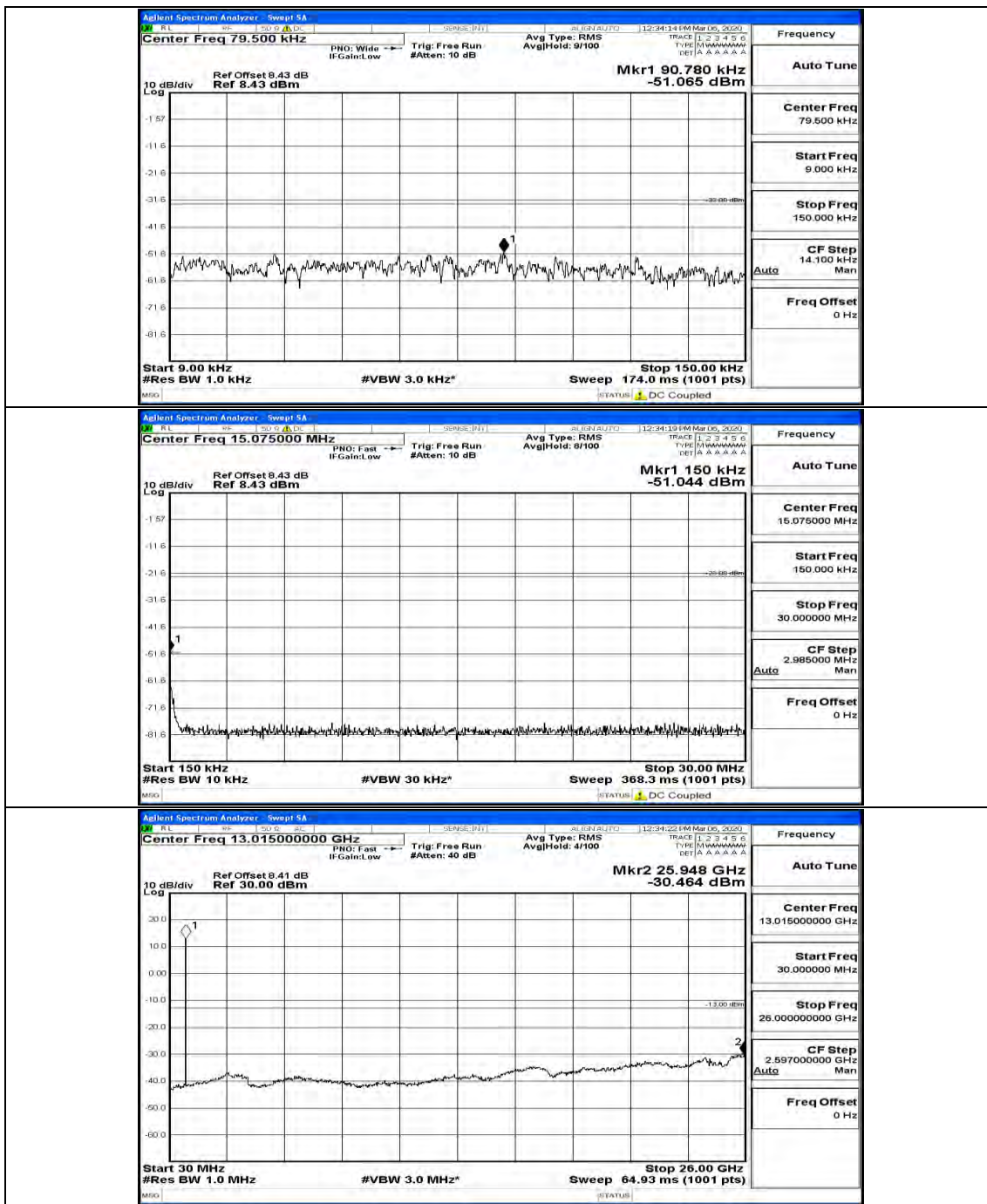










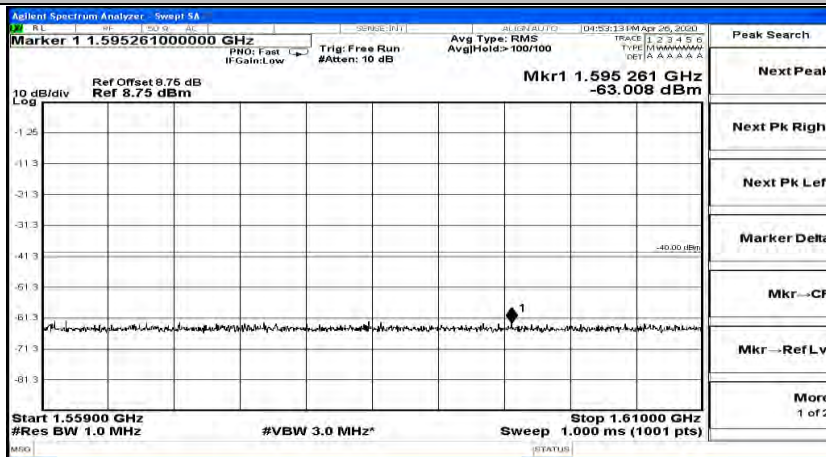


## Appendix F: Additional Spurious requirement(1559MHz~1610MHz)

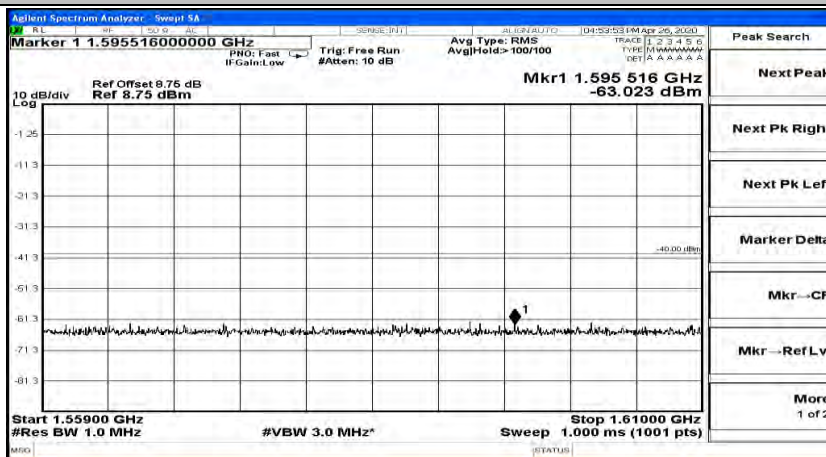
### Test Graphs

Channel Bandwidth: 5 MHz

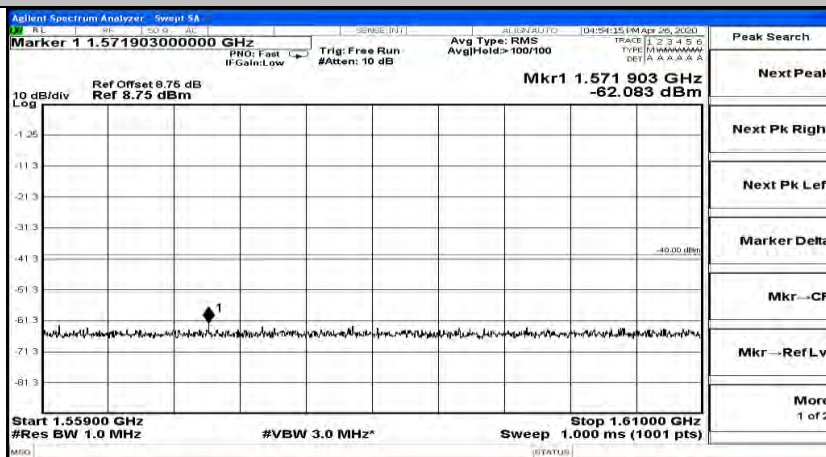
(Channel Bandwidth: 5 MHz)\_LCH\_QPSK\_1RB#0



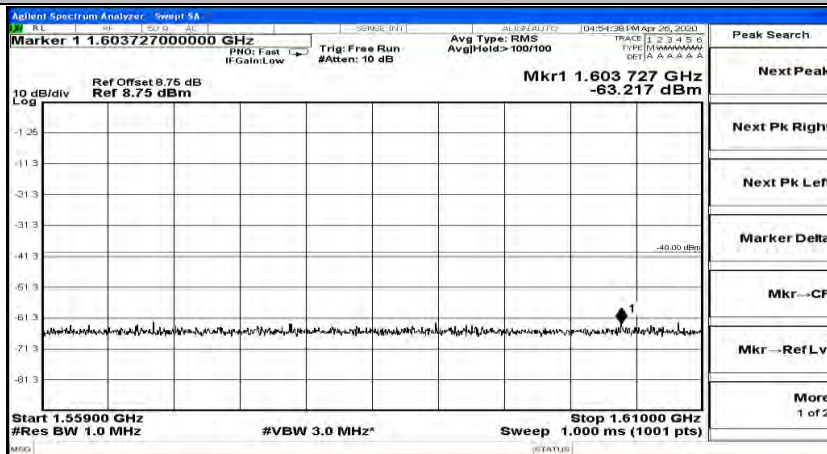
(Channel Bandwidth: 5 MHz)\_LCH\_QPSK\_1RB#12



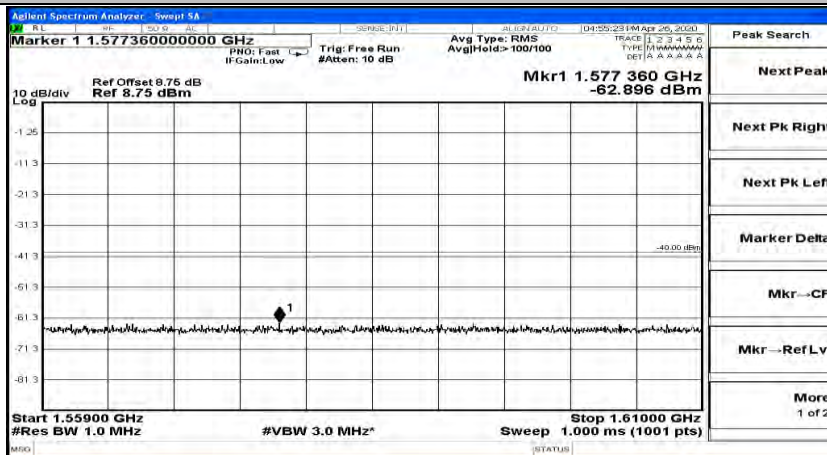
(Channel Bandwidth: 5 MHz)\_LCH\_QPSK\_1RB#24



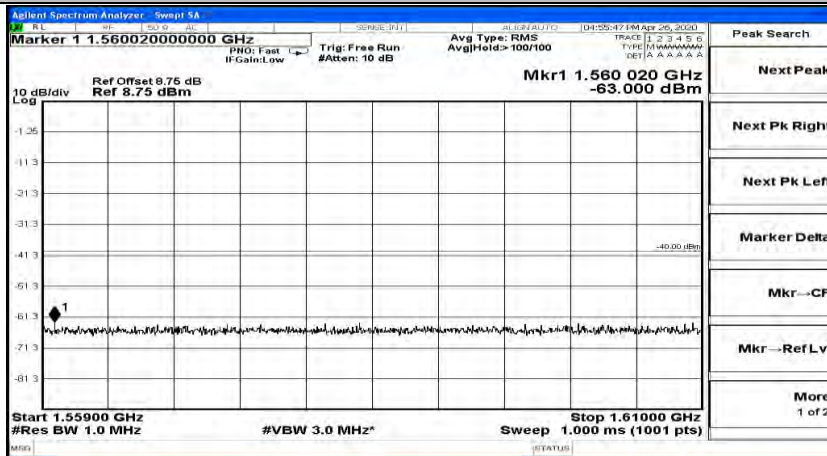
(Channel Bandwidth: 5 MHz)\_MCH\_QPSK\_1RB#0



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

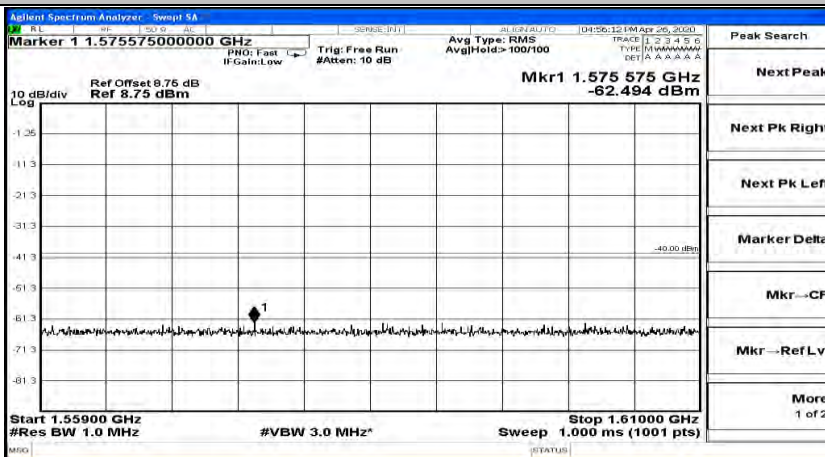


(Channel Bandwidth: 5 MHz)\_MCH\_QPSK\_1RB#24

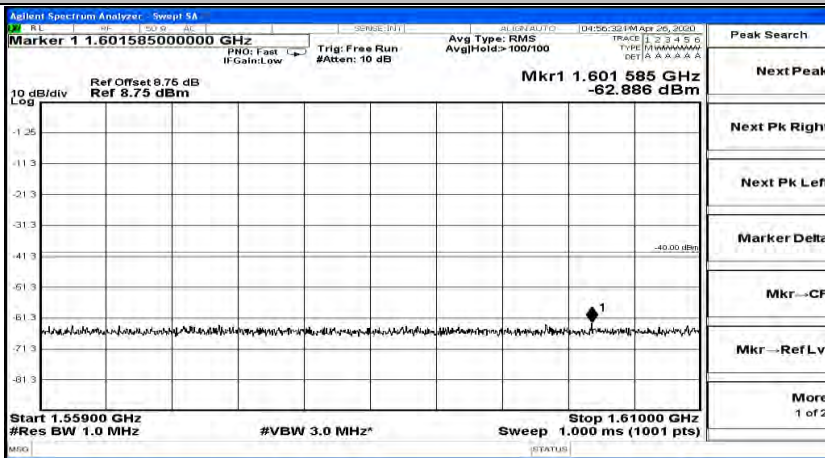




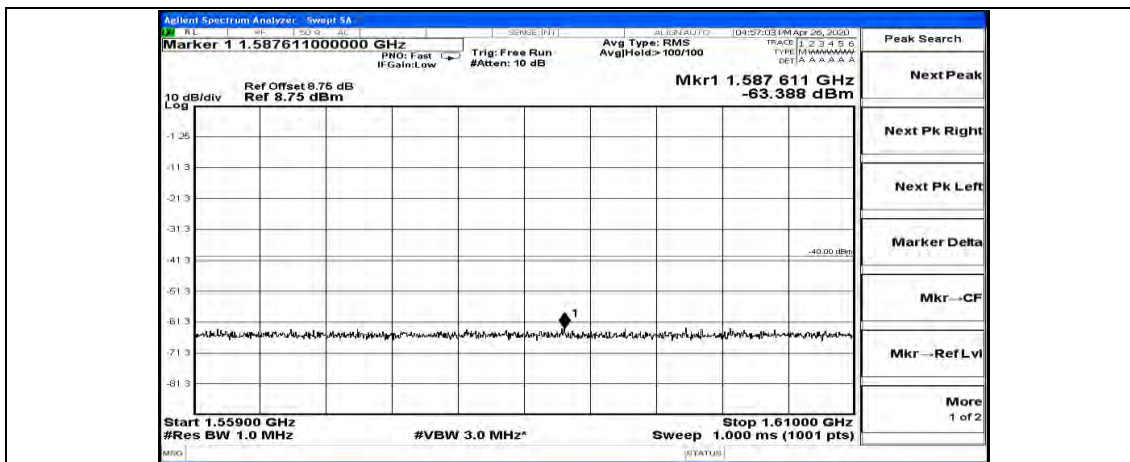
(Channel Bandwidth: 5 MHz)\_HCH\_QPSK\_1RB#0



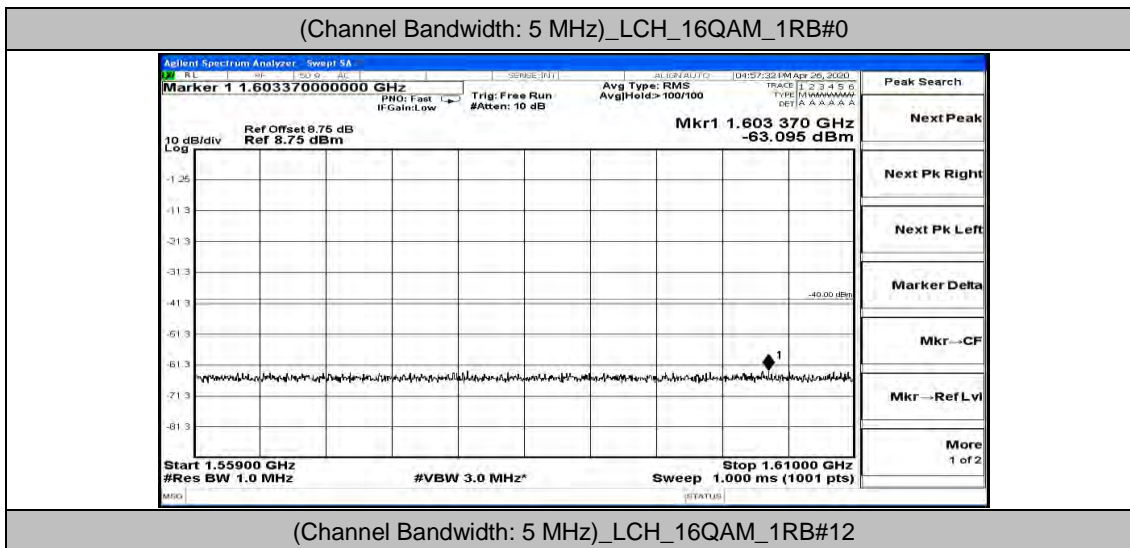
(Channel Bandwidth: 5 MHz)\_HCH\_QPSK\_1RB#12



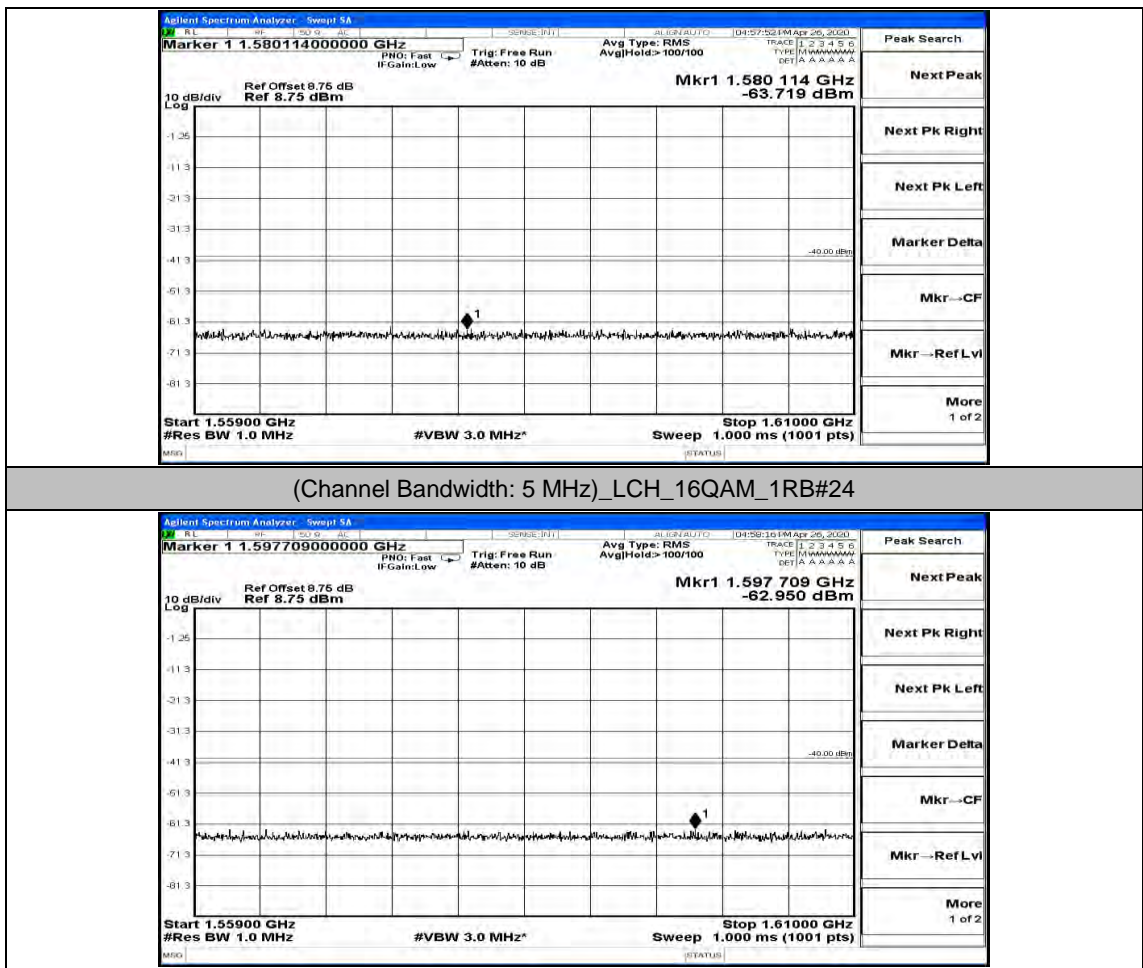
(Channel Bandwidth: 5 MHz)\_HCH\_QPSK\_1RB#24



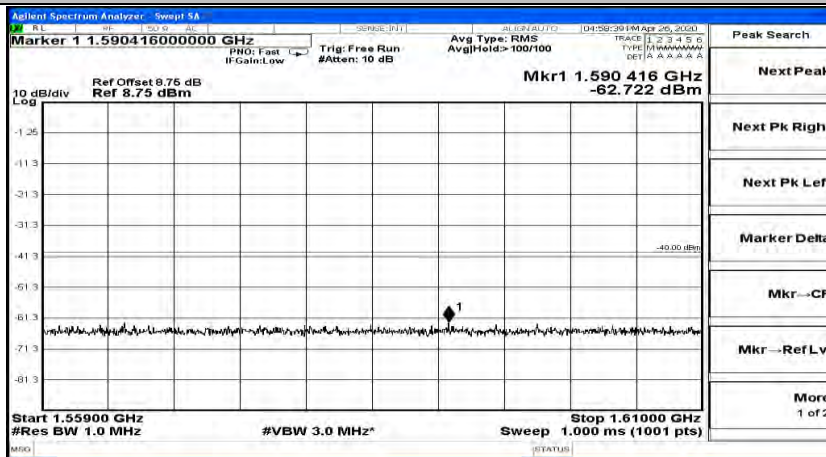
(Channel Bandwidth: 5 MHz)\_LCH\_16QAM\_1RB#0



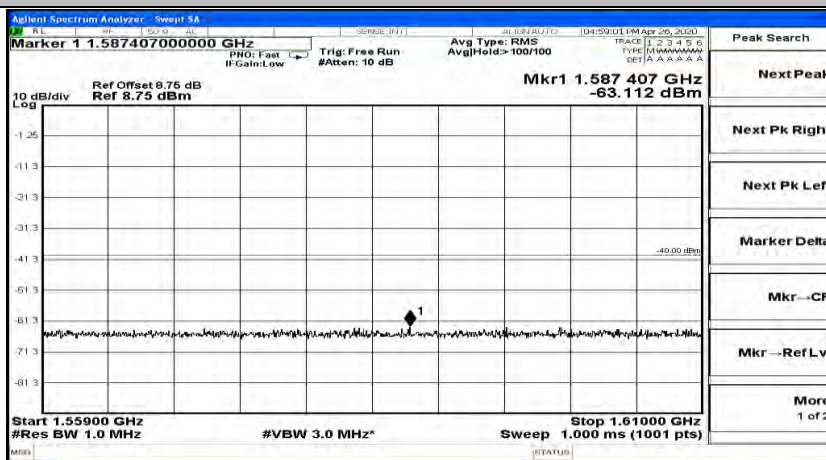
(Channel Bandwidth: 5 MHz)\_LCH\_16QAM\_1RB#12



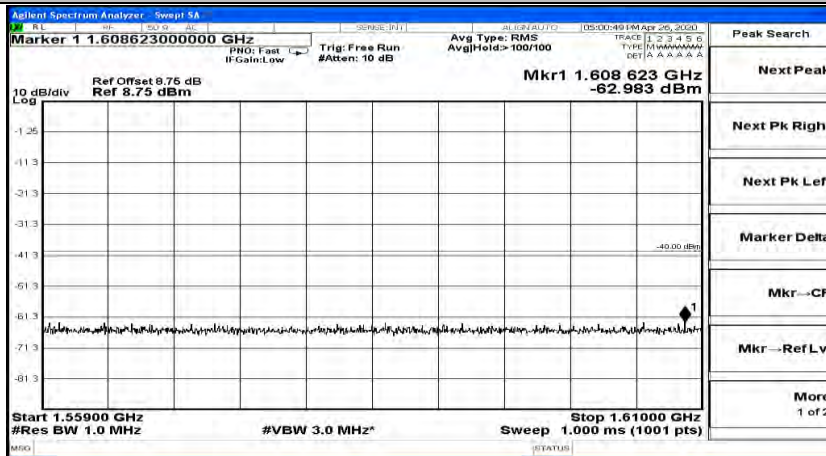
(Channel Bandwidth: 5 MHz)\_MCH\_16QAM\_1RB#0



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

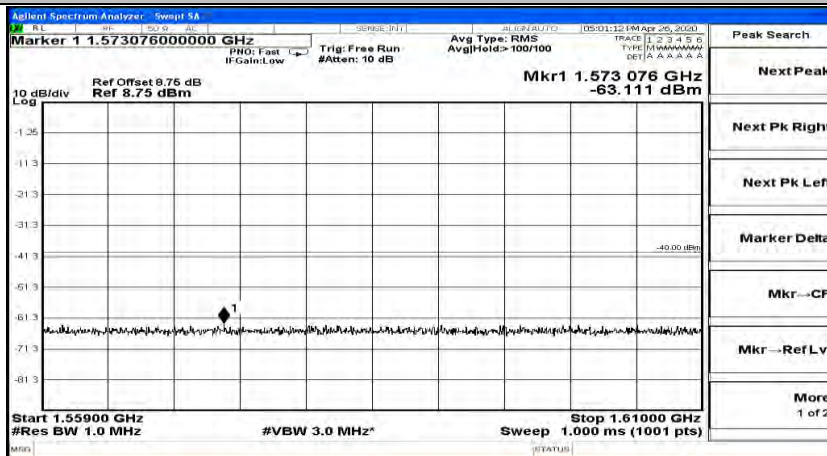


(Channel Bandwidth: 5 MHz)\_MCH\_16QAM\_1RB#24

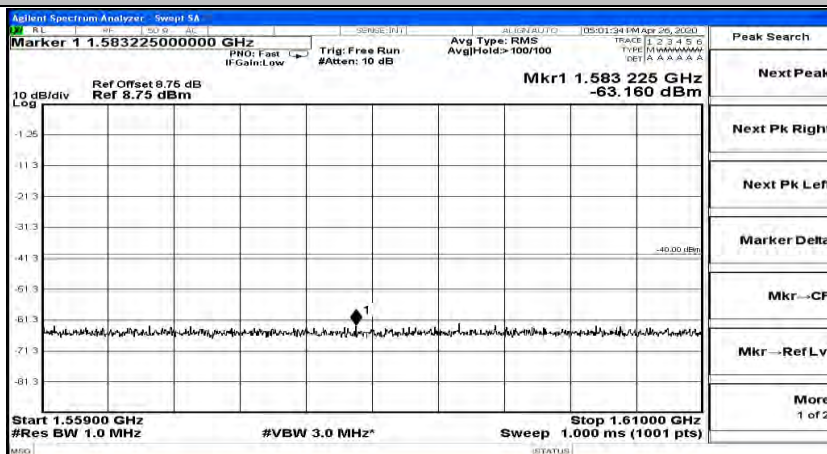




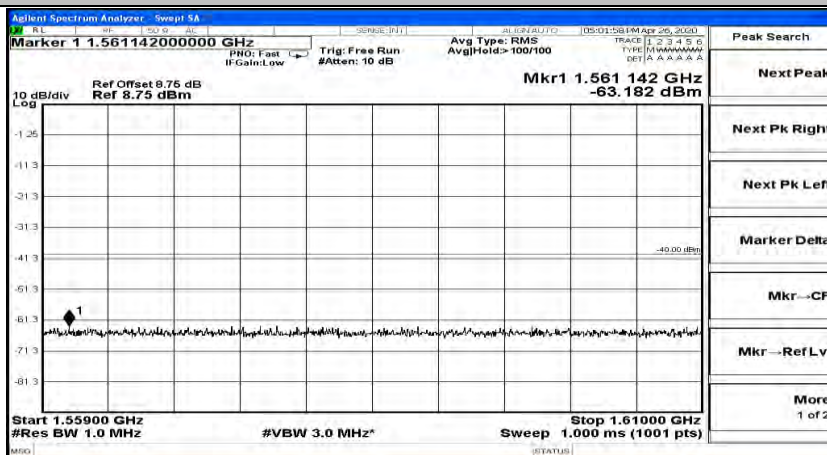
(Channel Bandwidth: 5 MHz)\_HCH\_16QAM\_1RB#0



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



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



Channel Bandwidth: 10 MHz

