Appendix E: Test Data for E-UTRA Band 7

Product Name: GNSS RECEIVER
Trade Mark: SOUTH, KOLIDA, SANDING, RUIDE, TIANYU
Test Model: NET S9

Environmental Conditions

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

E.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	21.14	20.47	PASS
		1	12	20.97	20.37	PASS
		1	24	20.77	20.18	PASS
		12	0	20.32	19.29	PASS
		12	6	20.31	19.35	PASS
		12	13	20.04	19.10	PASS
		25	0	20.19	19.19	PASS
	MCH	1	0	22.62	21.15	PASS
		1	12	22.68	21.21	PASS
		1	24	22.68	21.24	PASS
		12	0	21.47	20.50	PASS
		12	6	21.46	20.50	PASS
		12	13	21.56	20.62	PASS
		25	0	21.55	20.66	PASS
	HCH	1	0	21.64	20.12	PASS
		1	12	21.71	20.20	PASS
		1	24	21.72	20.22	PASS
		12	0	20.61	19.74	PASS
		12	6	20.58	19.78	PASS
		12	13	20.71	19.79	PASS
		25	0	20.74	19.93	PASS

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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	21.14	20.14	PASS
		1	24	20.84	19.79	PASS
		1	49	20.64	19.48	PASS
		25	0	20.20	19.21	PASS
		25	12	20.20	19.21	PASS
		25	25	19.89	18.87	PASS
		50	0	19.90	19.09	PASS
	MCH	1	0	22.38	21.10	PASS
		1	24	22.64	21.30	PASS
		1	49	22.45	21.23	PASS
		25	0	21.43	20.63	PASS
		25	12	21.43	20.64	PASS
		25	25	21.66	20.76	PASS
		50	0	21.52	20.62	PASS
	HCH	1	0	21.33	20.91	PASS
		1	24	21.53	21.21	PASS
		1	49	21.61	21.29	PASS
		25	0	20.61	19.71	PASS
		25	12	20.61	19.69	PASS
		25	25	20.77	19.86	PASS
		50	0	20.59	19.73	PASS

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Conducted Output Power Test Result (Channel Bandwidth: 15 MHz)						
Modulation	Channel	RB Configuration		Average Power [dBm]	Average Power [dBm]	Verdict
		Size	Offset	QPSK	16QAM	
QPSK / 16QAM	LCH	1	0	21.14	20.28	PASS
		1	37	20.78	19.83	PASS
		1	74	20.45	19.68	PASS
		37	0	19.94	19.93	PASS
		37	18	19.94	19.93	PASS
		37	38	19.94	19.93	PASS
		75	0	19.94	18.88	PASS
	MCH	1	0	21.97	21.24	PASS
		1	37	22.50	21.80	PASS
		1	74	22.30	21.64	PASS
		37	0	21.44	21.48	PASS
		37	18	21.46	21.42	PASS
		37	38	21.41	21.52	PASS
		75	0	21.48	20.58	PASS
	HCH	1	0	21.30	20.93	PASS
		1	37	21.42	21.13	PASS
		1	74	21.63	21.28	PASS
		37	0	20.58	20.58	PASS
		37	18	20.58	20.58	PASS
		37	38	20.58	20.58	PASS
		75	0	20.58	19.63	PASS

Conducted Output Power Test Result (Channel Bandwidth: 20 MHz)						
Modulation	Channel	RB Configuration		Average Power [dBm]	Average Power [dBm]	Verdict
		Size	Offset	QPSK	16QAM	
QPSK / 16QAM	LCH	1	0	21.35	20.13	PASS
		1	49	20.77	19.49	PASS
		1	99	20.96	19.67	PASS
		50	0	20.00	19.08	PASS
		50	25	19.99	19.09	PASS
		50	50	19.58	18.85	PASS
		100	0	19.76	18.87	PASS
	MCH	1	0	21.80	21.24	PASS
		1	49	22.70	22.06	PASS
		1	99	22.20	21.65	PASS
		50	0	21.15	20.42	PASS
		50	25	21.28	20.43	PASS
		50	50	21.50	20.59	PASS
		100	0	21.41	20.55	PASS
	HCH	1	0	21.67	20.63	PASS
		1	49	21.54	20.45	PASS
		1	99	21.82	20.72	PASS
		50	0	20.35	19.54	PASS
		50	25	20.49	19.55	PASS
		50	50	20.62	19.82	PASS
		100	0	20.53	19.53	PASS

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E.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	4.54	<13	PASS
	MCH	5.01	<13	PASS
	HCH	4.59	<13	PASS
16QAM	LCH	5.38	<13	PASS
	MCH	5.81	<13	PASS
	HCH	5.31	<13	PASS

Peak-to Average Ratio Test Result (Channel Bandwidth: 10 MHz)				
Modulation	Channel	Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
QPSK	LCH	4.87	<13	PASS
	MCH	5.04	<13	PASS
	HCH	4.59	<13	PASS
16QAM	LCH	5.58	<13	PASS
	MCH	5.81	<13	PASS
	HCH	5.46	<13	PASS

Peak-to Average Ratio Test Result (Channel Bandwidth: 15 MHz)				
Modulation	Channel	Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
QPSK	LCH	5.25	<13	PASS
	MCH	5.22	<13	PASS
	HCH	5.05	<13	PASS
16QAM	LCH	5.91	<13	PASS
	MCH	5.85	<13	PASS
	HCH	5.67	<13	PASS

Peak-to Average Ratio Test Result (Channel Bandwidth: 20 MHz)				
Modulation	Channel	Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
QPSK	LCH	5.20	<13	PASS
	MCH	5.17	<13	PASS
	HCH	5.16	<13	PASS
16QAM	LCH	5.95	<13	PASS
	MCH	5.89	<13	PASS
	HCH	5.85	<13	PASS

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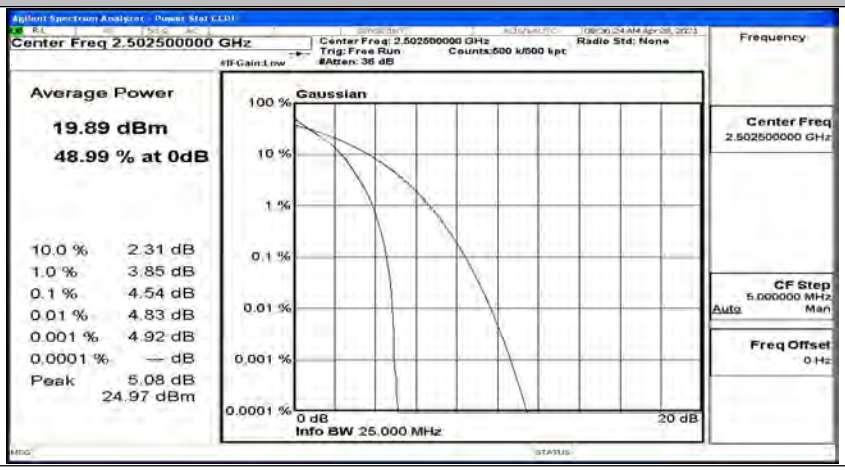
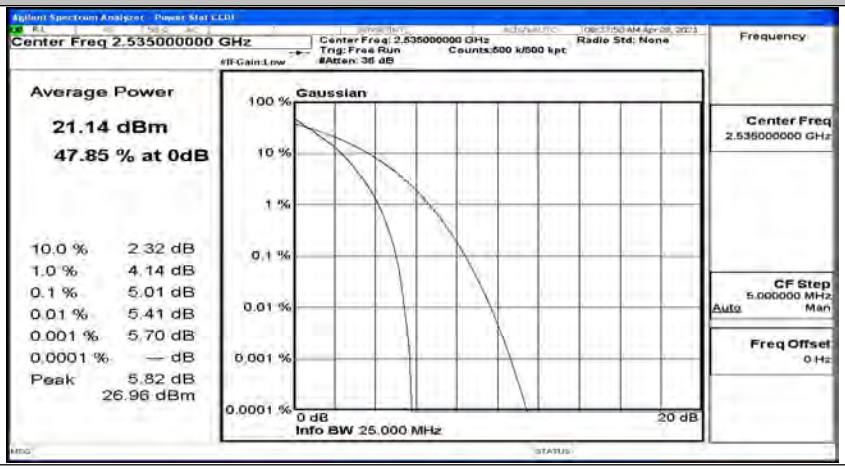
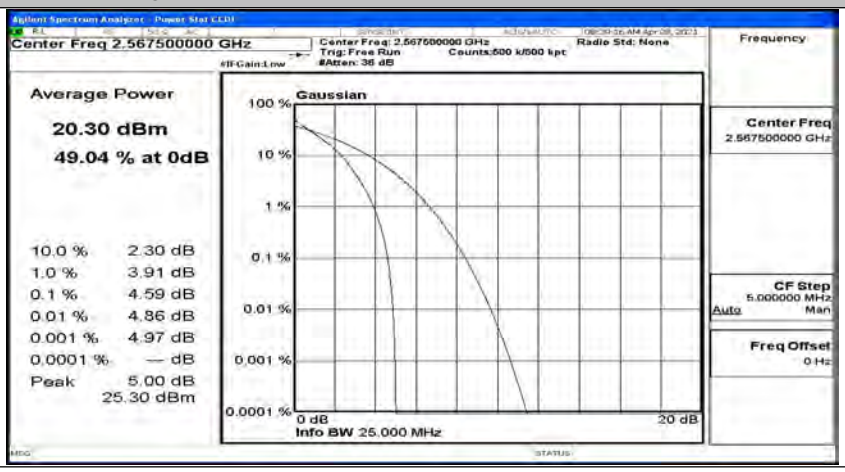
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_QPSK



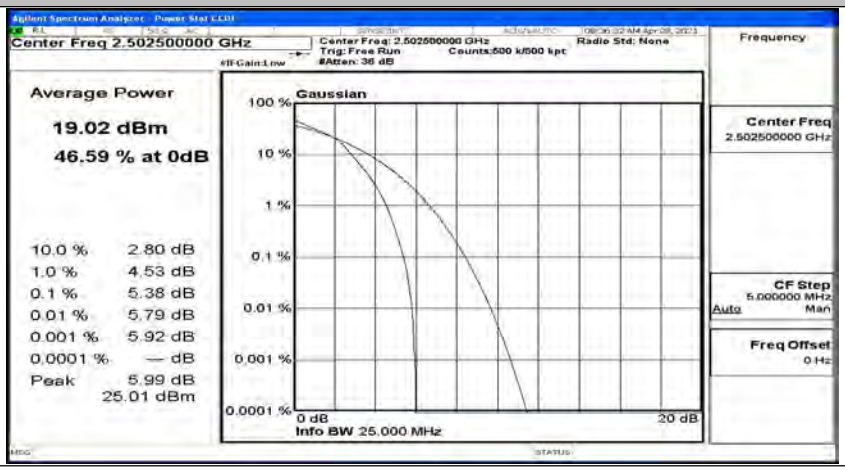
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)_MCH_QPSK



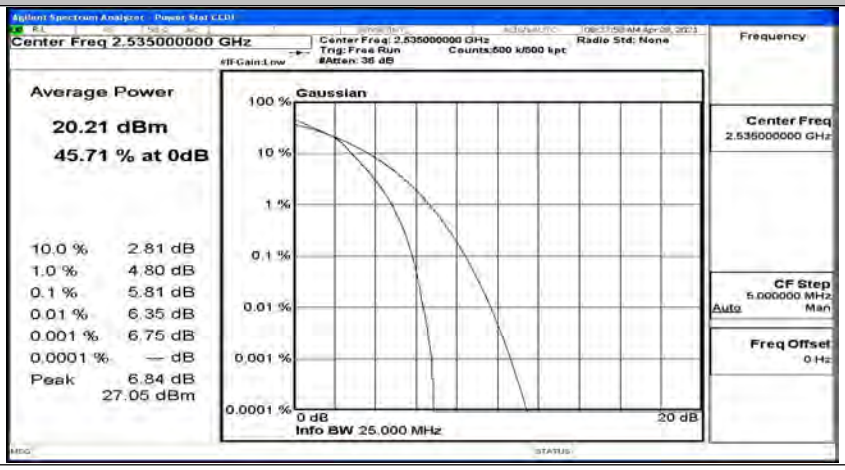
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_QPSK



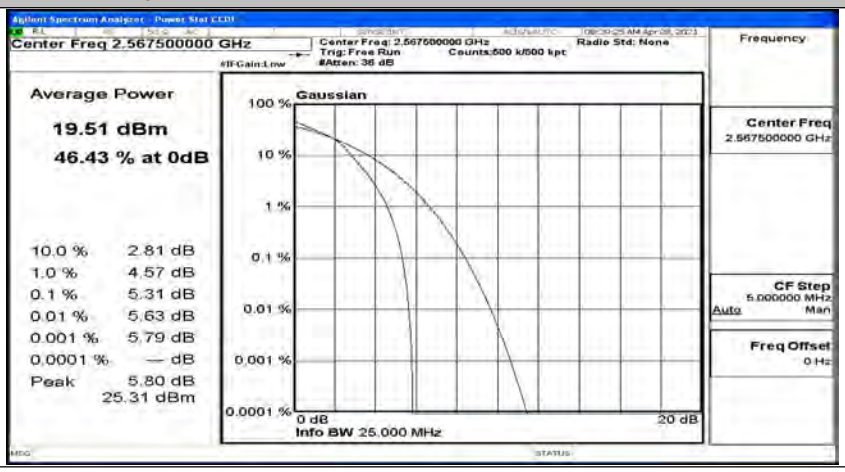
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_16QAM



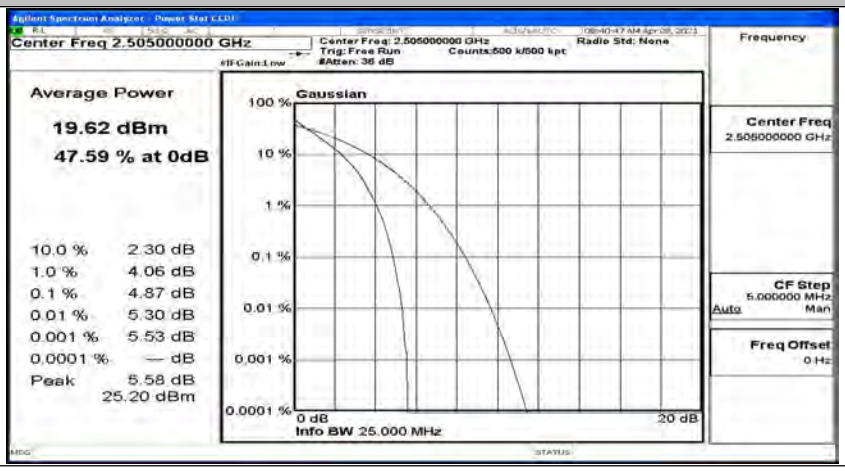
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)_MCH_16QAM



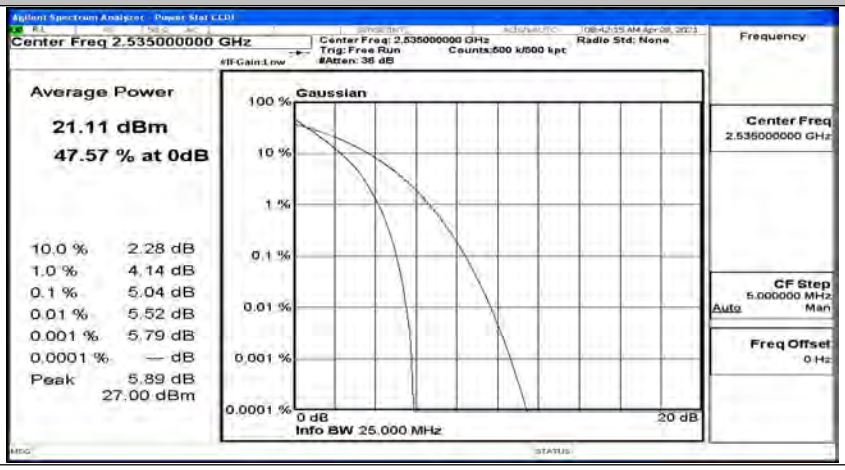
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_16QAM



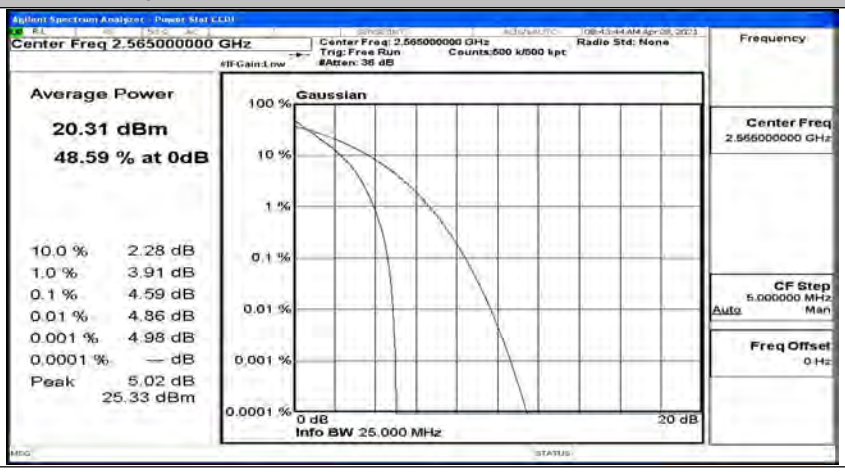
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)_LCH_QPSK



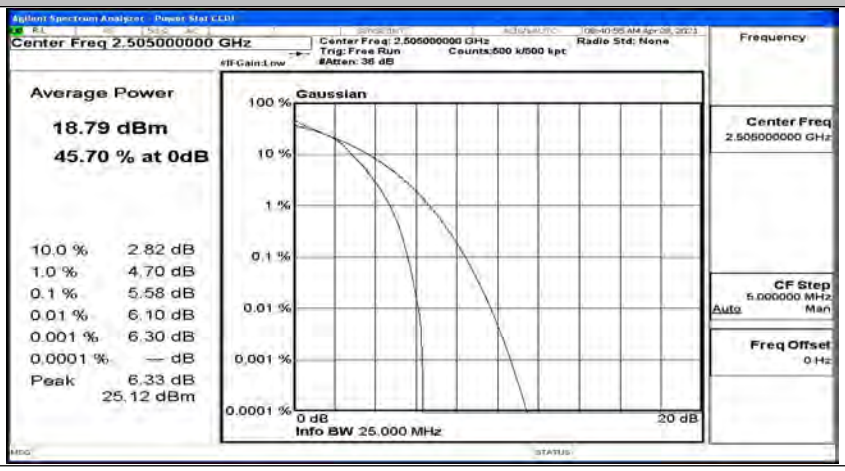
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)_MCH_QPSK



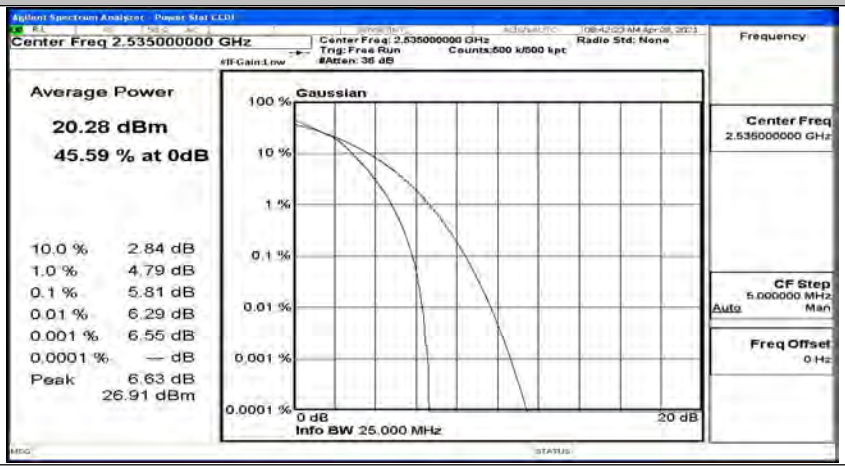
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)_HCH_QPSK



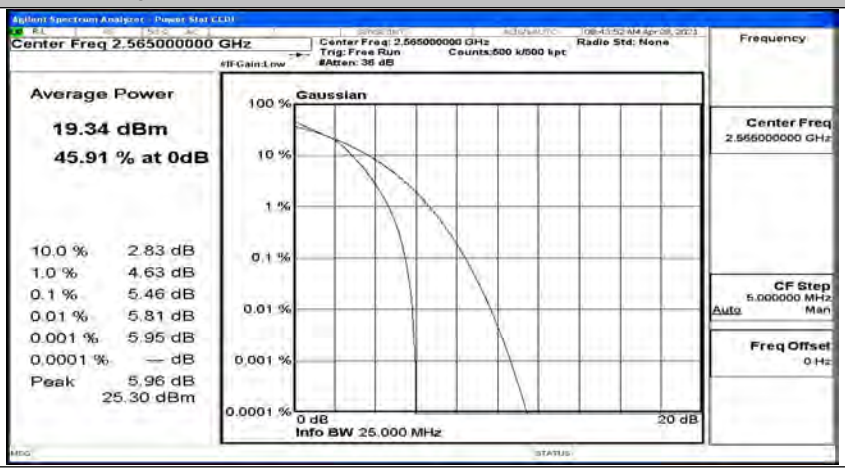
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)_LCH_16QAM



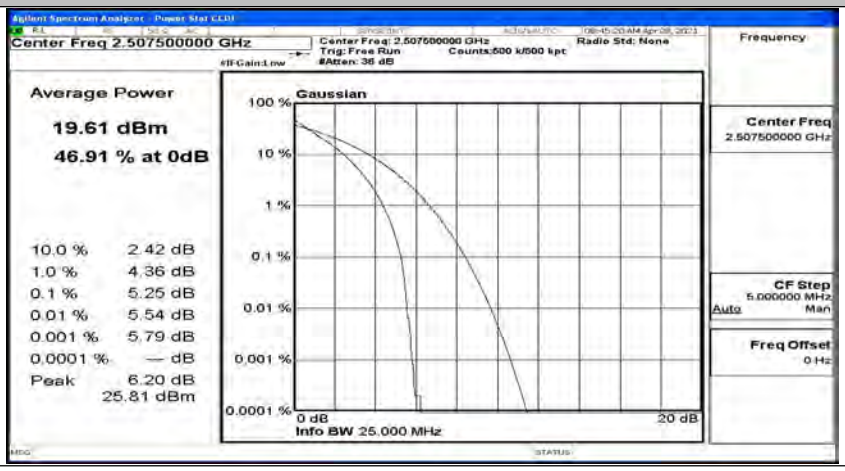
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)_MCH_16QAM



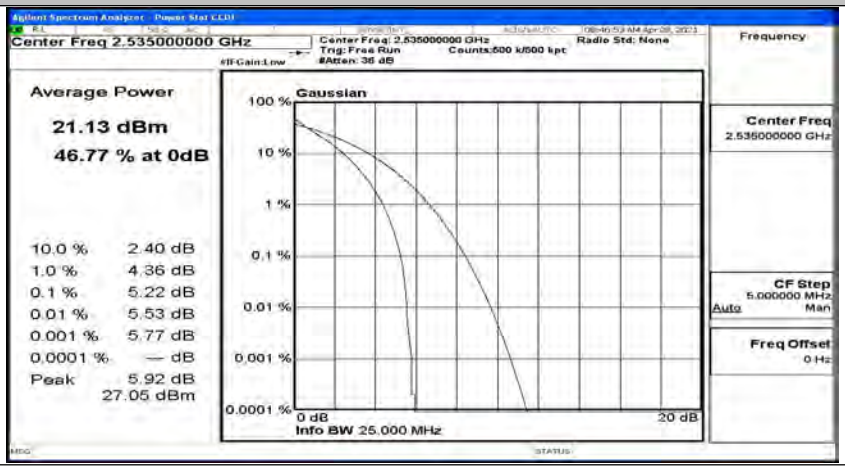
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)_HCH_16QAM



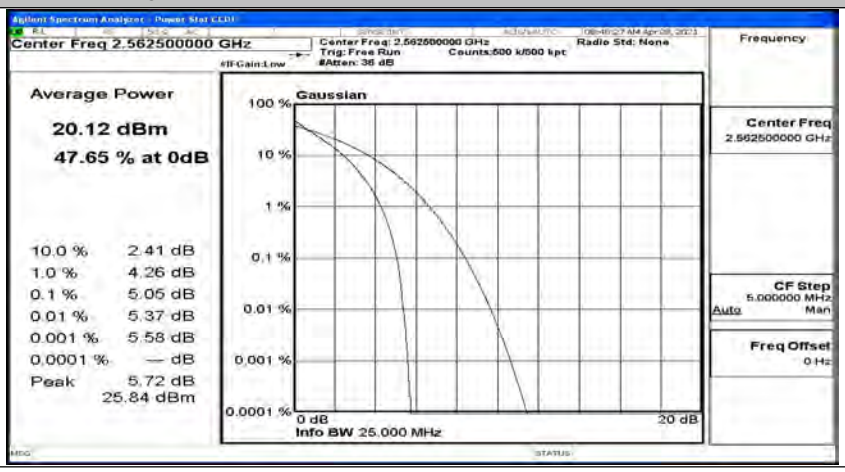
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:15 MHz)_LCH_QPSK



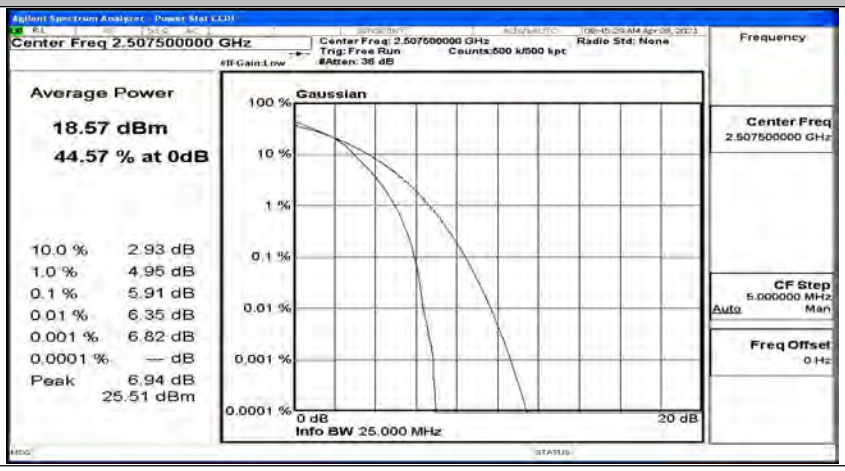
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:15 MHz)_MCH_QPSK



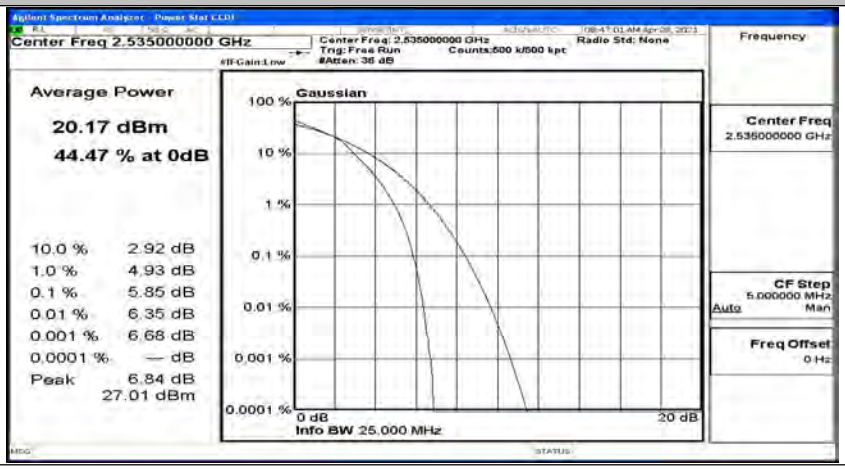
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:15 MHz)_HCH_QPSK



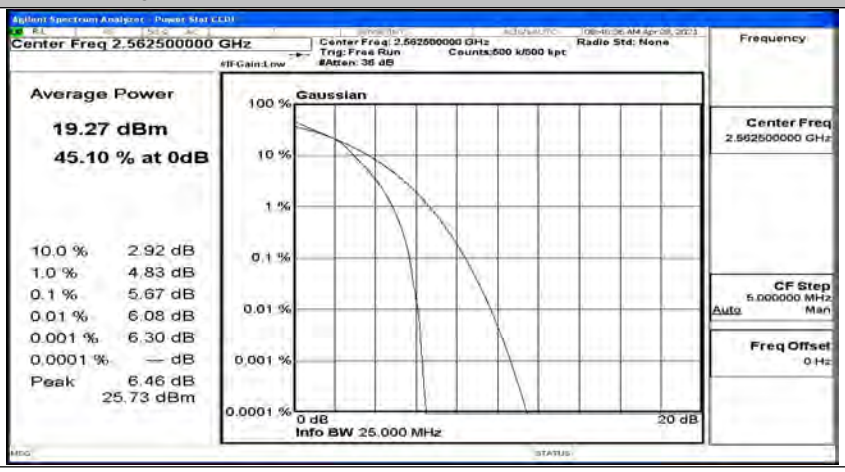
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:15 MHz)_LCH_16QAM



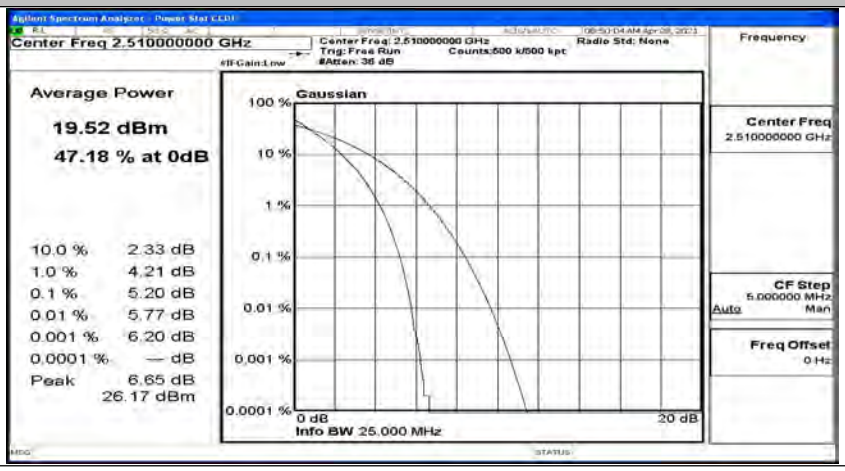
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:15 MHz)_MCH_16QAM



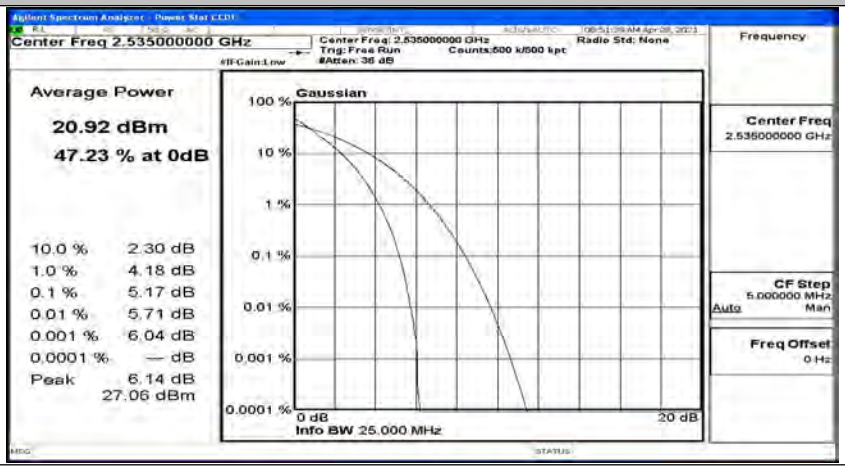
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:15 MHz)_HCH_16QAM



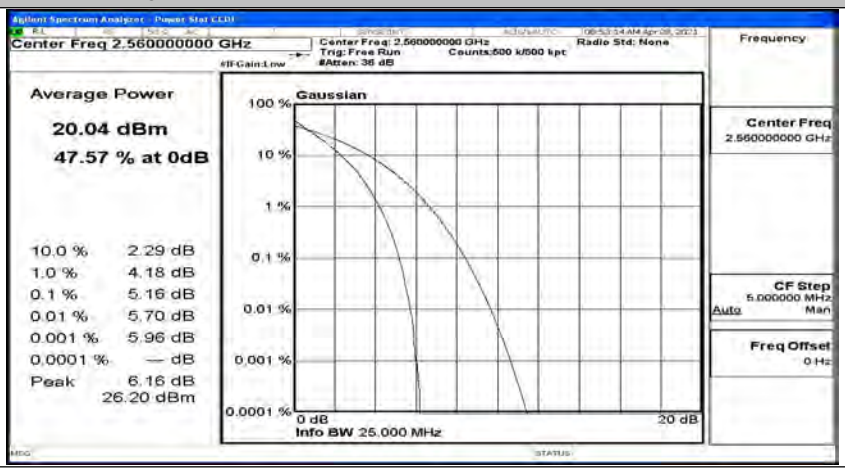
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:20 MHz)_LCH_QPSK



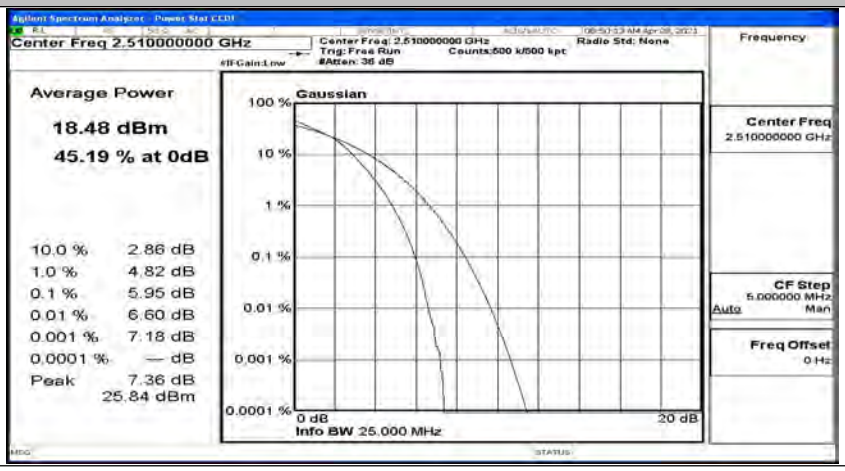
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:20 MHz)_MCH_QPSK



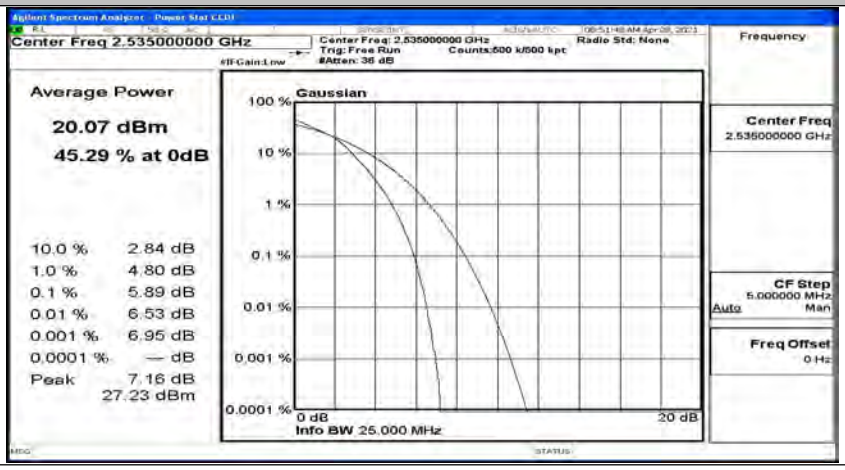
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:20 MHz)_HCH_QPSK



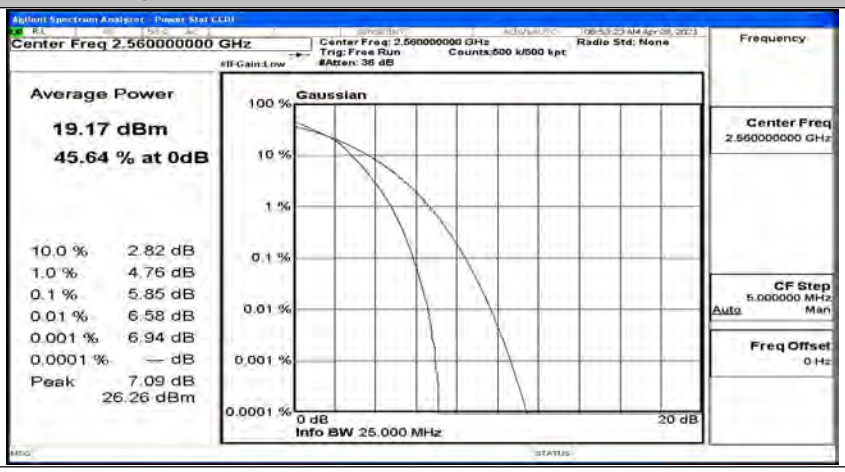
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:20 MHz)_LCH_16QAM



Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:20 MHz)_MCH_16QAM



Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:20 MHz)_HCH_16QAM



E.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	4.4689	4.824	PASS
	MCH	4.4643	4.820	PASS
	HCH	4.4692	4.814	PASS
16QAM	LCH	4.4681	4.815	PASS
	MCH	4.4736	4.829	PASS
	HCH	4.4749	4.828	PASS

EBW & OBW Test Result (Channel Bandwidth: 10 MHz)				
Modulation	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
QPSK	LCH	8.9679	9.511	PASS
	MCH	8.9386	9.469	PASS
	HCH	8.9305	9.452	PASS
16QAM	LCH	8.9386	9.505	PASS
	MCH	8.9385	9.532	PASS
	HCH	8.9441	9.517	PASS

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EBW & OBW Test Result (Channel Bandwidth: 15 MHz)				
Modulation	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
QPSK	LCH	13.420	14.06	PASS
	MCH	13.373	14.12	PASS
	HCH	13.407	14.11	PASS
16QAM	LCH	13.414	14.22	PASS
	MCH	13.386	14.05	PASS
	HCH	13.400	14.22	PASS

EBW & OBW Test Result (Channel Bandwidth: 20 MHz)				
Modulation	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
QPSK	LCH	17.914	18.67	PASS
	MCH	17.836	18.78	PASS
	HCH	17.881	18.70	PASS
16QAM	LCH	17.890	18.70	PASS
	MCH	17.841	18.61	PASS
	HCH	17.888	18.80	PASS

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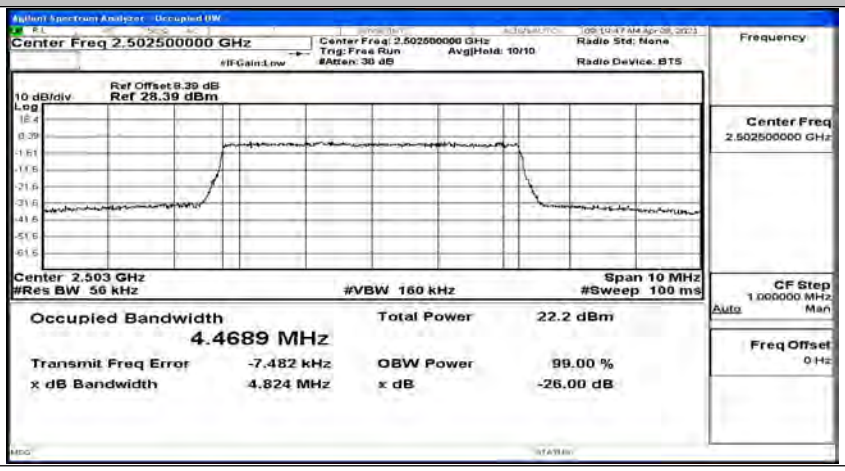
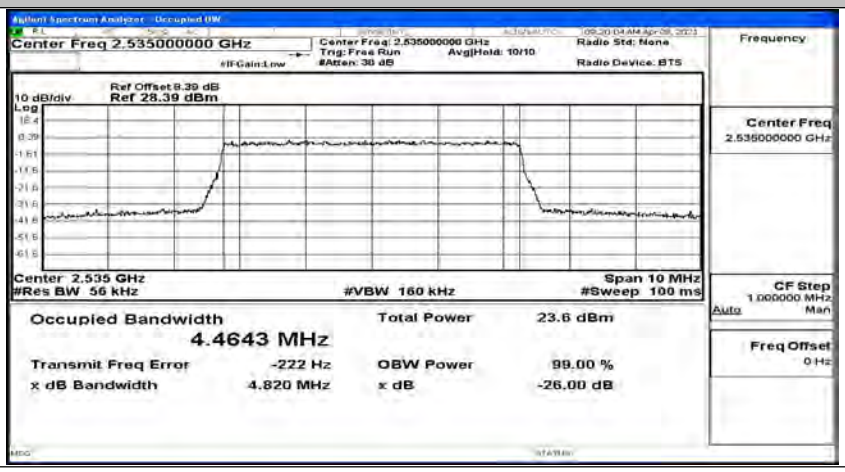
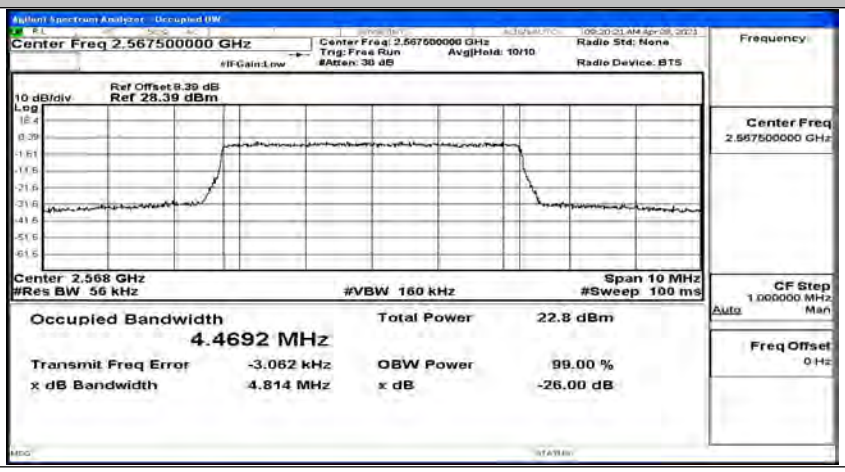
EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_QPSK



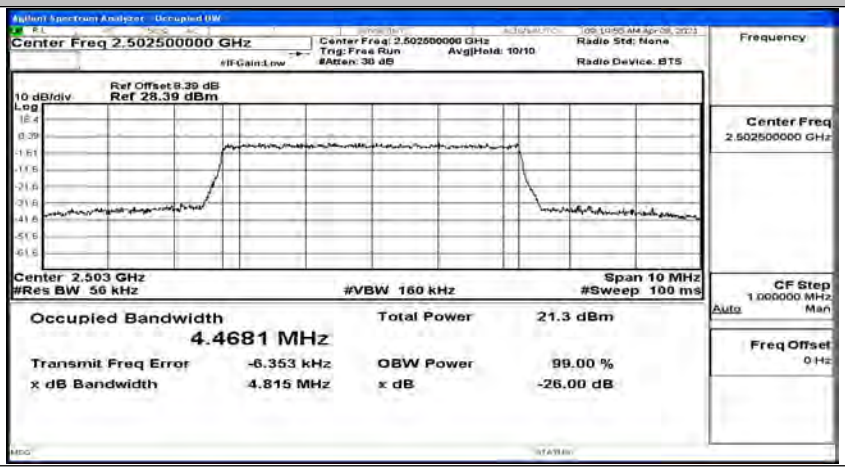
EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz)_MCH_QPSK



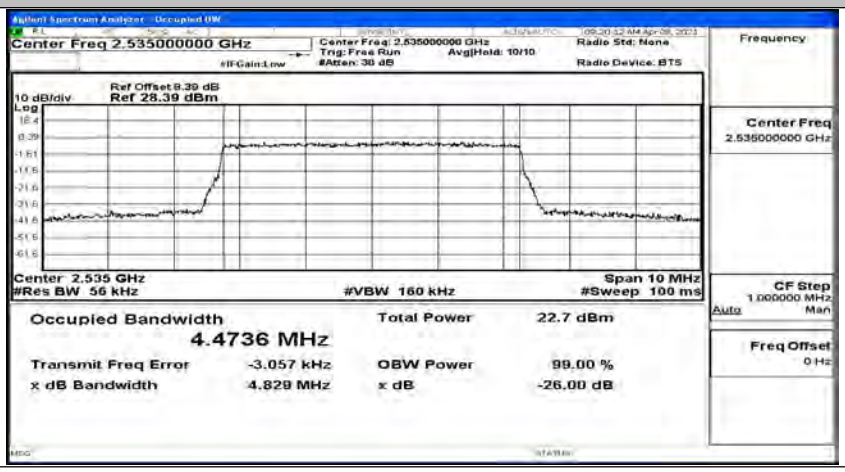
EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_QPSK



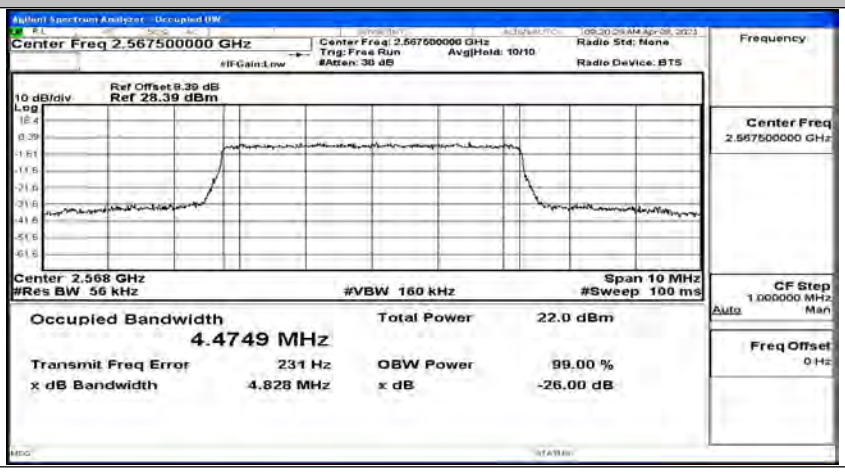
EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_16QAM



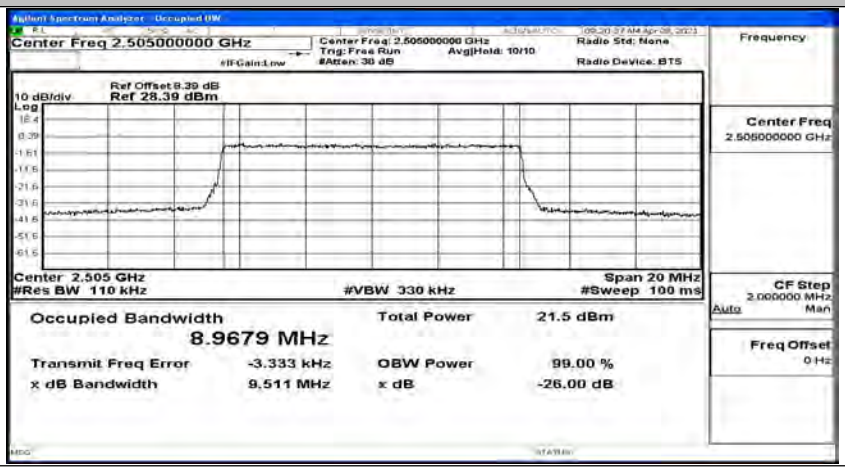
EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz)_MCH_16QAM



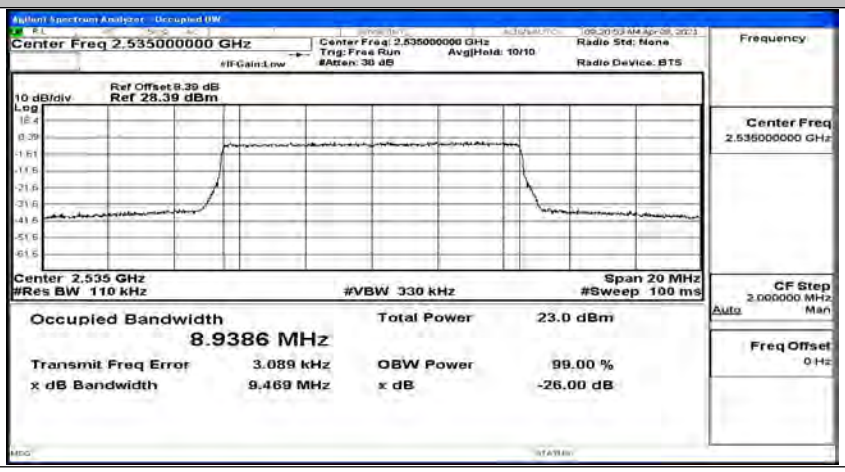
EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_16QAM



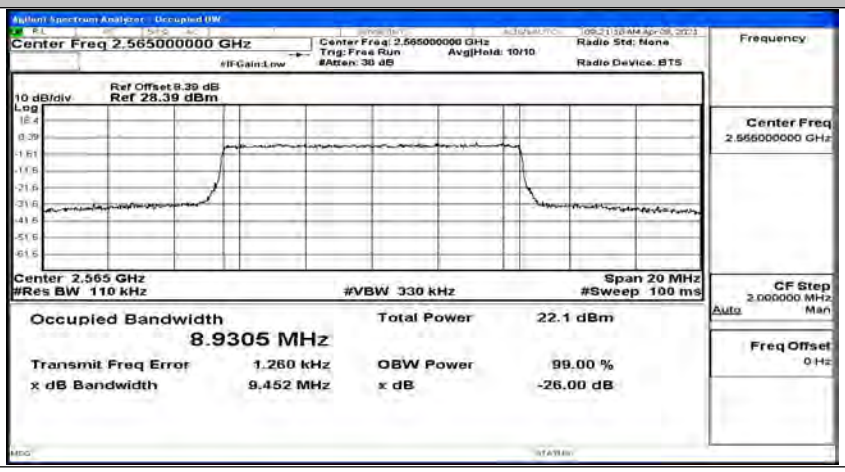
EBW & OBW Test Graph(s) (Channel Bandwidth: 10 MHz)_LCH_QPSK



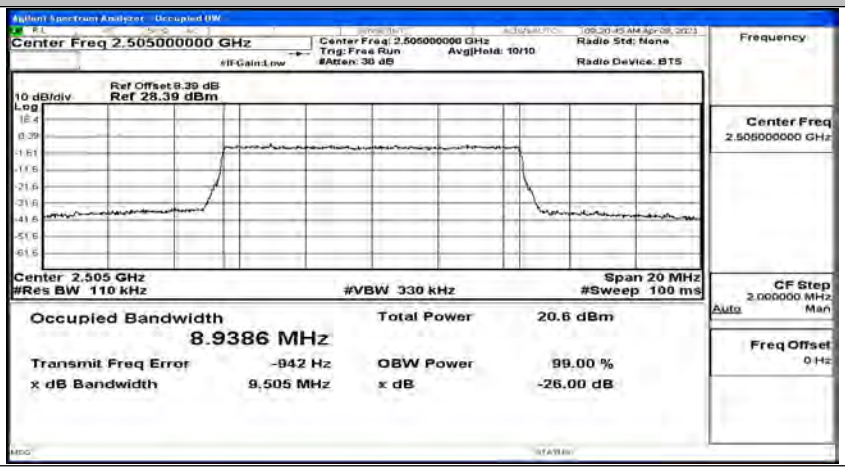
EBW & OBW Test Graph(s) (Channel Bandwidth: 10 MHz)_MCH_QPSK



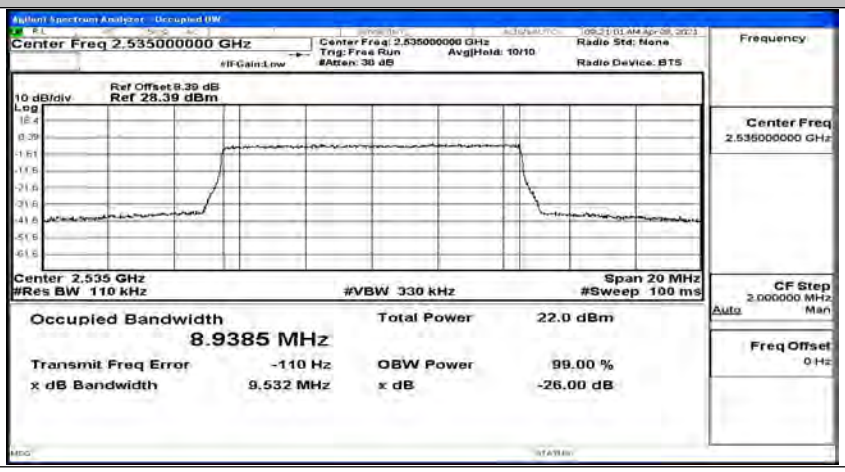
EBW & OBW Test Graph(s) (Channel Bandwidth: 10 MHz)_HCH_QPSK



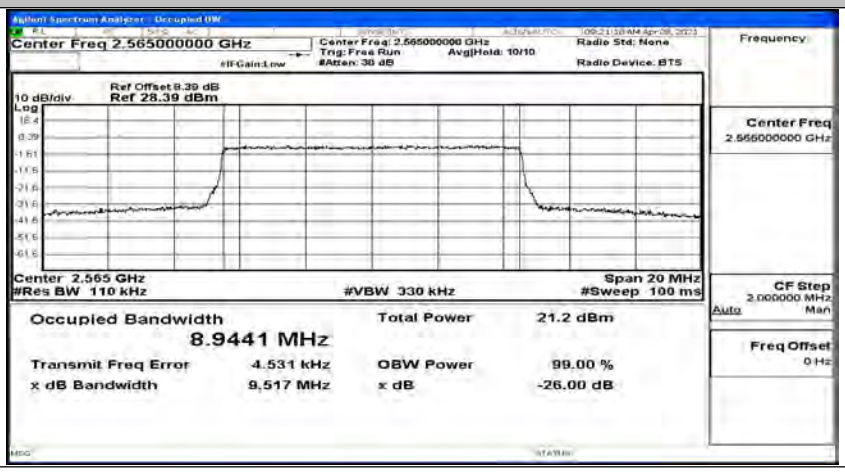
EBW & OBW Test Graph(s) (Channel Bandwidth: 10 MHz)_LCH_16QAM



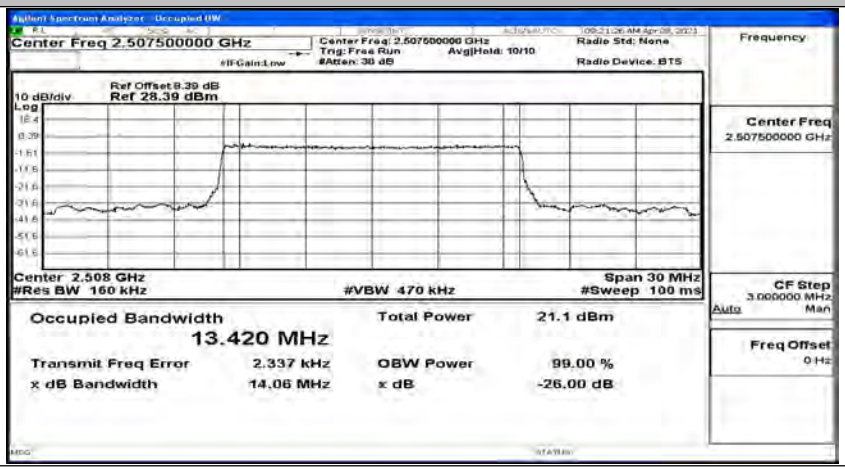
EBW & OBW Test Graph(s) (Channel Bandwidth: 10 MHz)_MCH_16QAM



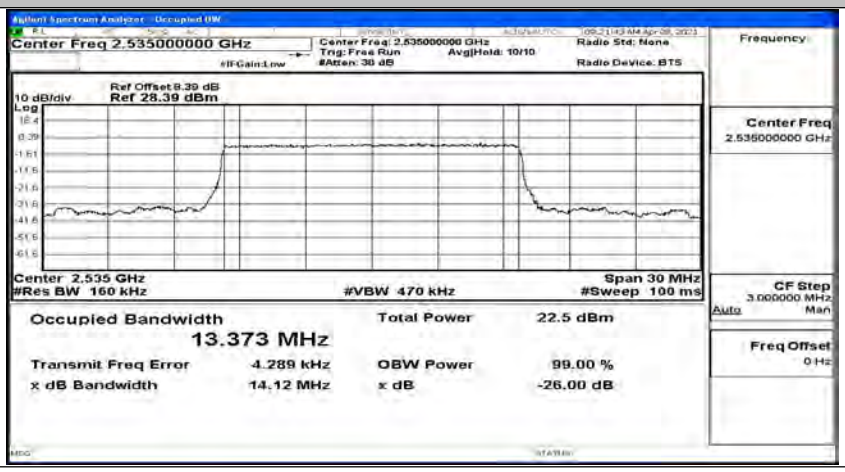
EBW & OBW Test Graph(s) (Channel Bandwidth: 10 MHz)_HCH_16QAM



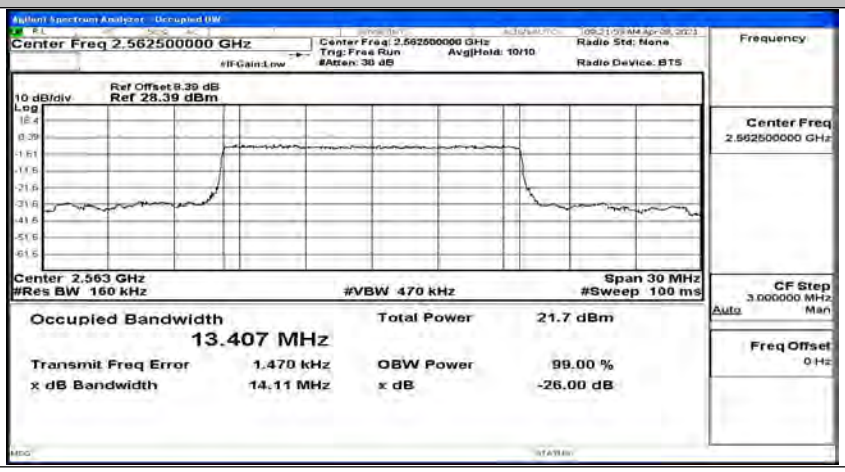
EBW & OBW Test Graph(s) (Channel Bandwidth:15 MHz)_LCH_QPSK



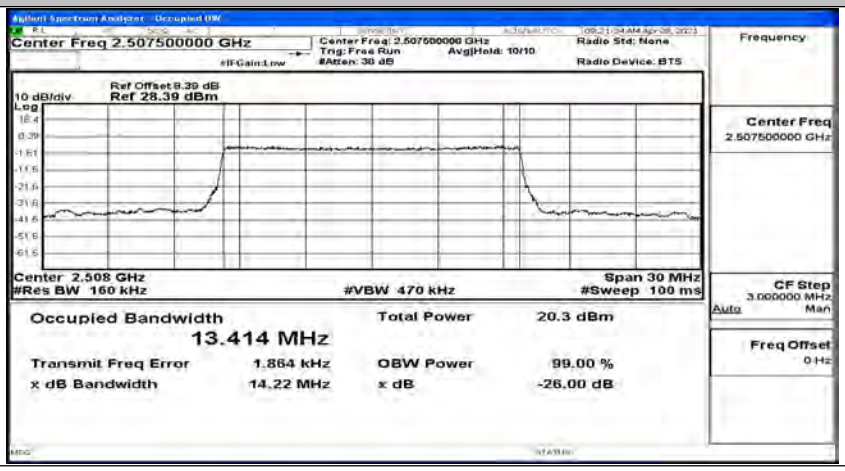
EBW & OBW Test Graph(s) (Channel Bandwidth:15 MHz)_MCH_QPSK



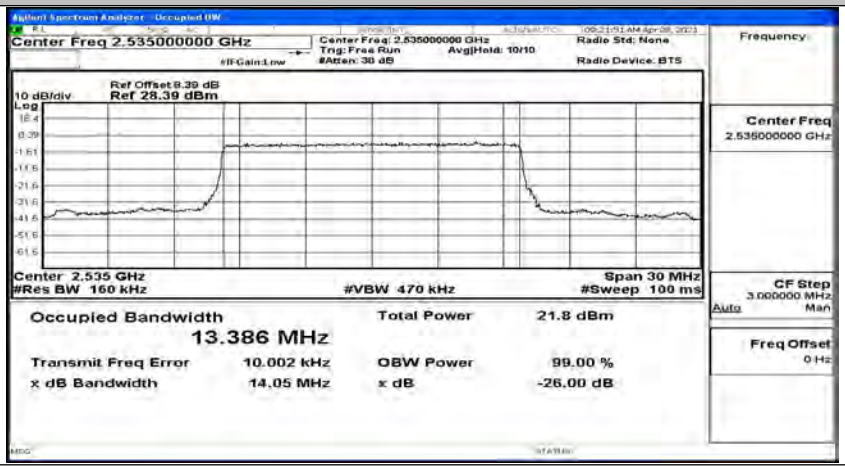
EBW & OBW Test Graph(s) (Channel Bandwidth:15 MHz)_HCH_QPSK



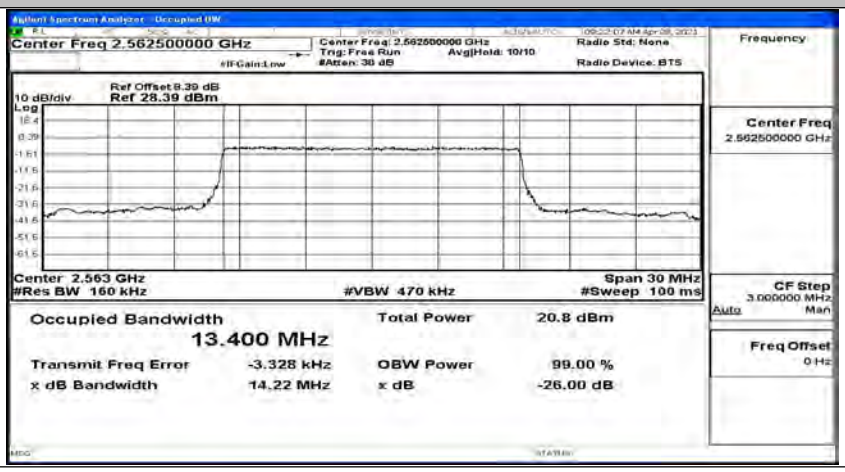
EBW & OBW Test Graph(s) (Channel Bandwidth:15 MHz)_LCH_16QAM



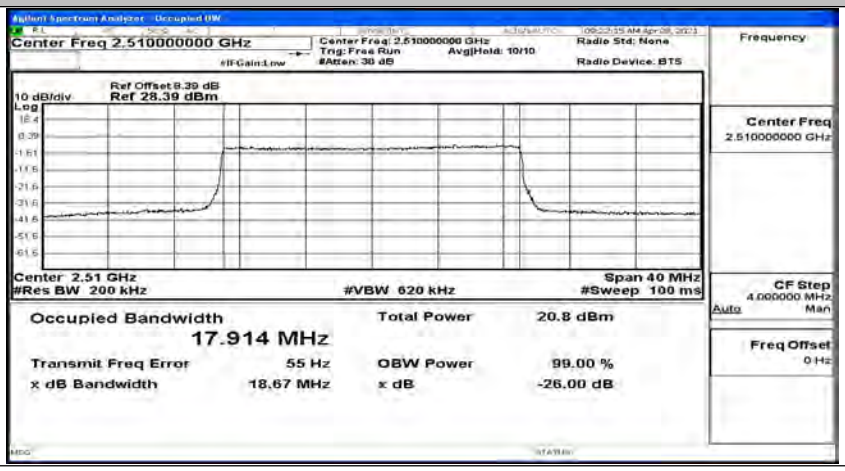
EBW & OBW Test Graph(s) (Channel Bandwidth:15 MHz)_MCH_16QAM



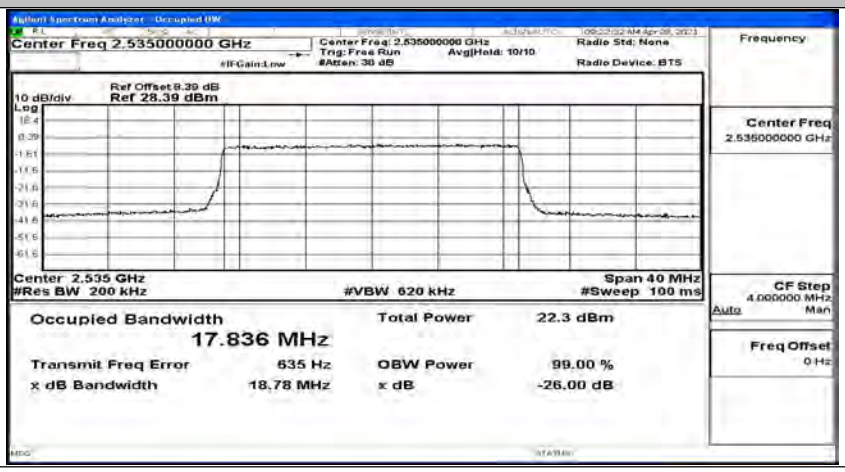
EBW & OBW Test Graph(s) (Channel Bandwidth:15 MHz)_HCH_16QAM



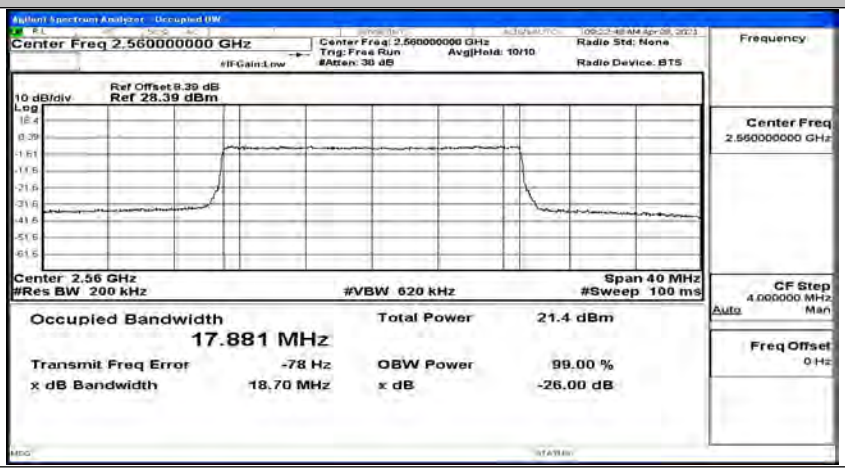
EBW & OBW Test Graph(s) (Channel Bandwidth:20 MHz)_LCH_QPSK



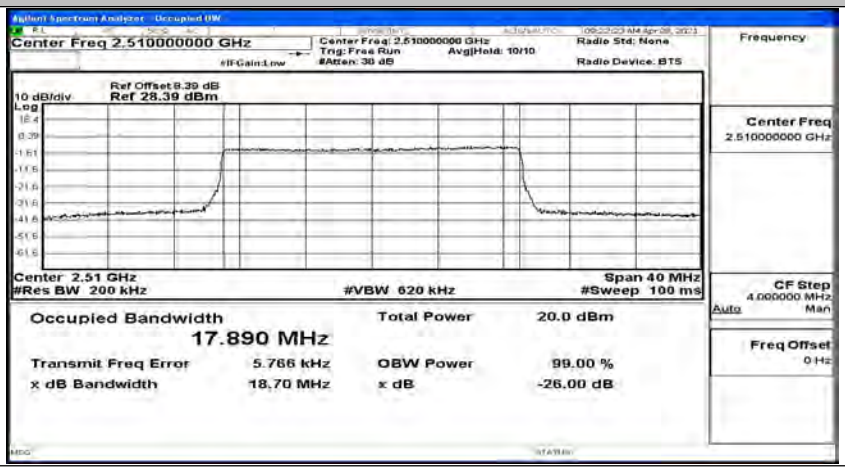
EBW & OBW Test Graph(s) (Channel Bandwidth:20 MHz)_MCH_QPSK



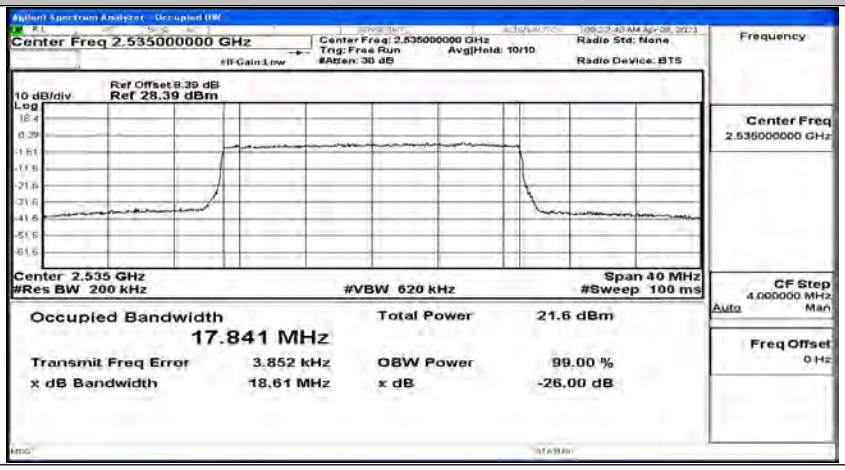
EBW & OBW Test Graph(s) (Channel Bandwidth:20 MHz)_HCH_QPSK



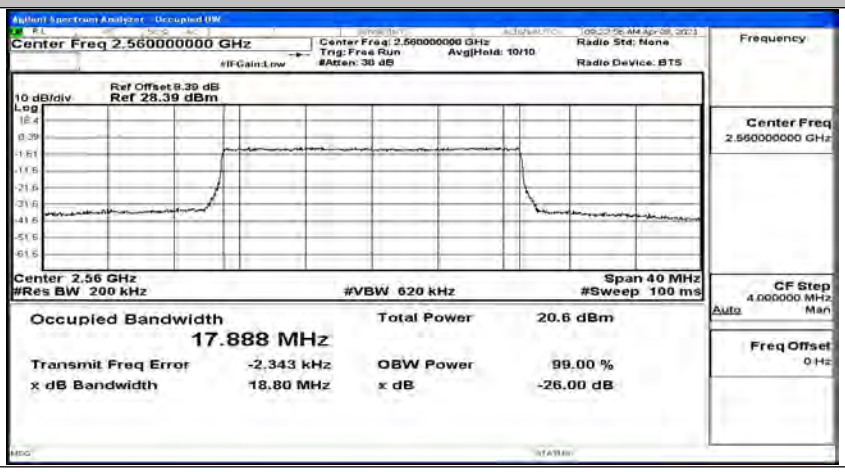
EBW & OBW Test Graph(s) (Channel Bandwidth:20 MHz)_LCH_16QAM



EBW & OBW Test Graph(s) (Channel Bandwidth:20 MHz)_MCH_16QAM

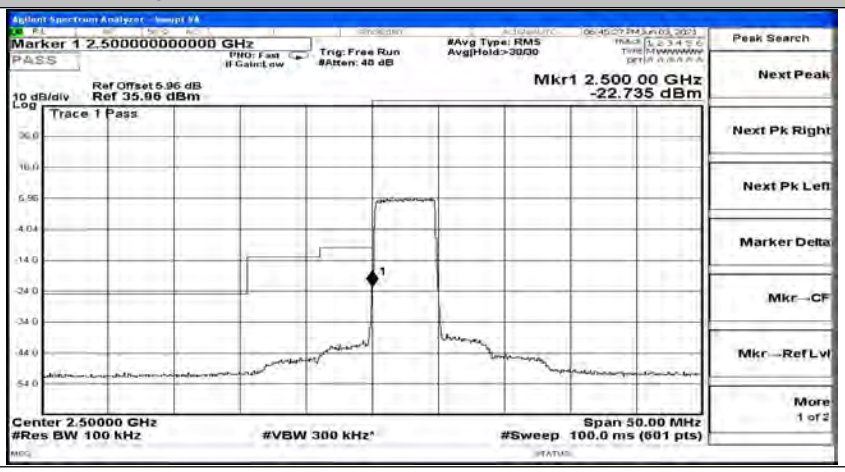


EBW & OBW Test Graph(s) (Channel Bandwidth:20 MHz)_HCH_16QAM

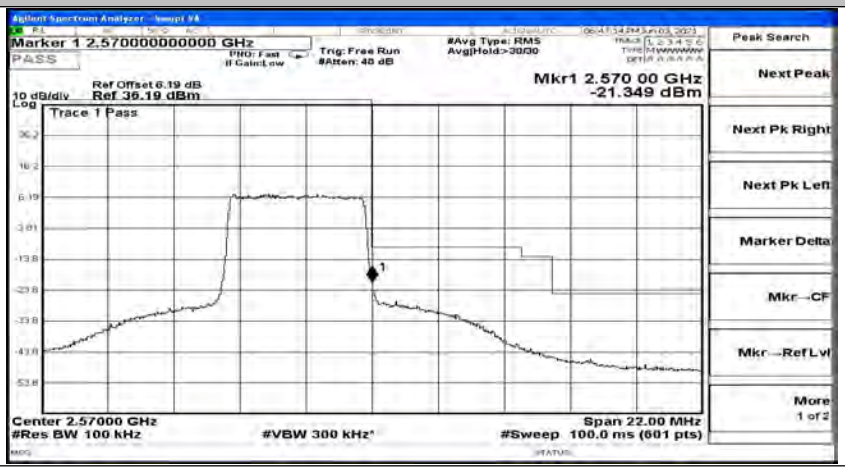


E.4 Band Edge

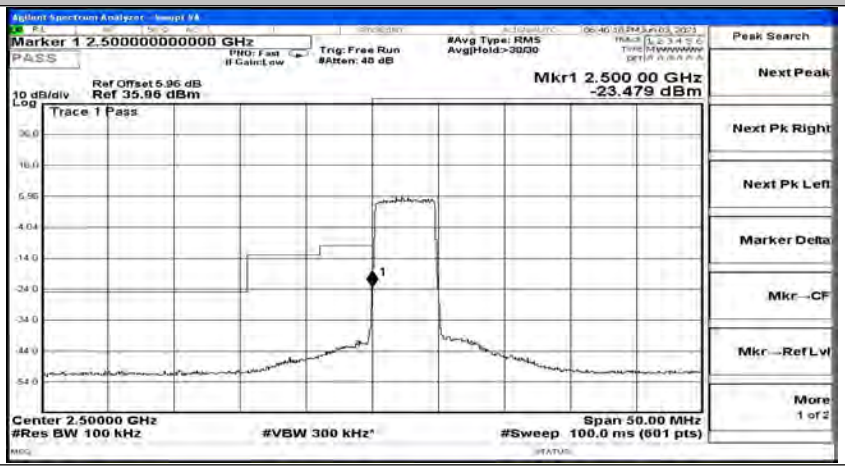
Band Edge Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_QPSK



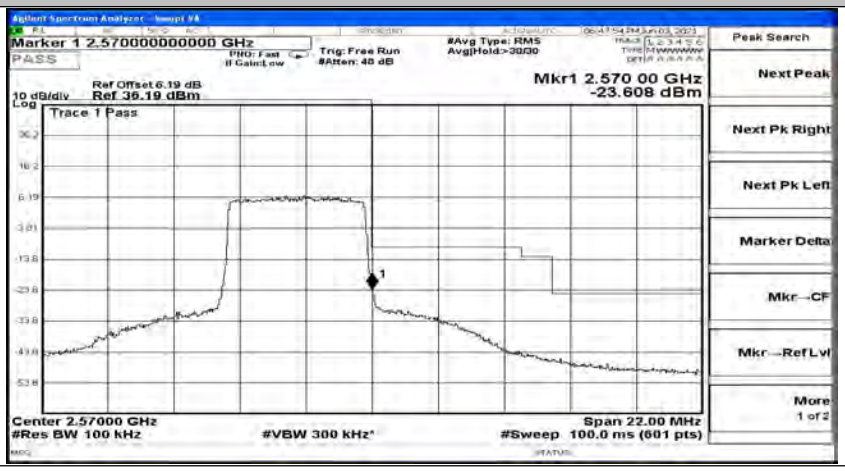
Band Edge Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_QPSK



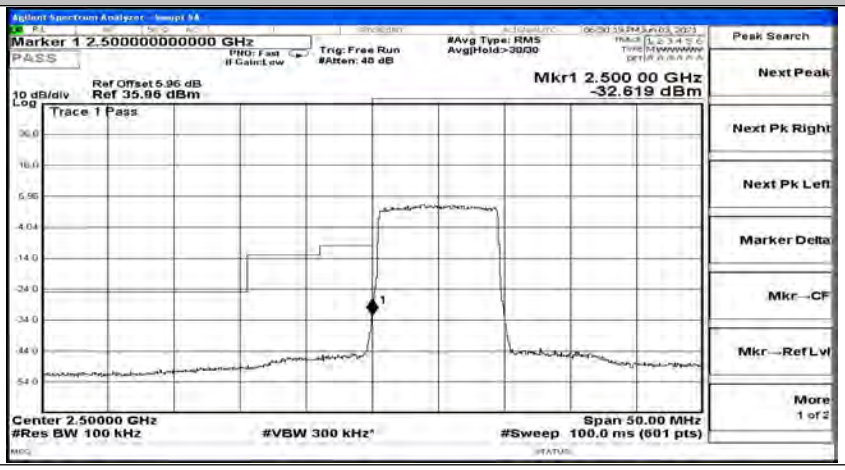
Band Edge Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_16QAM



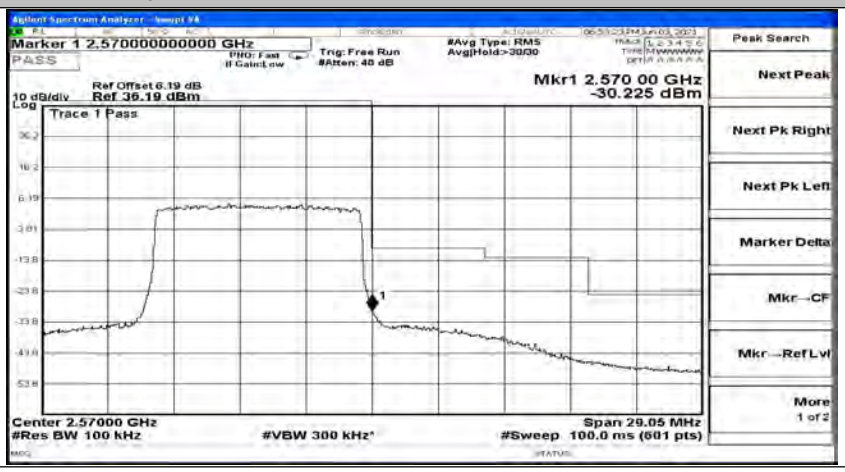
Band Edge Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_16QAM



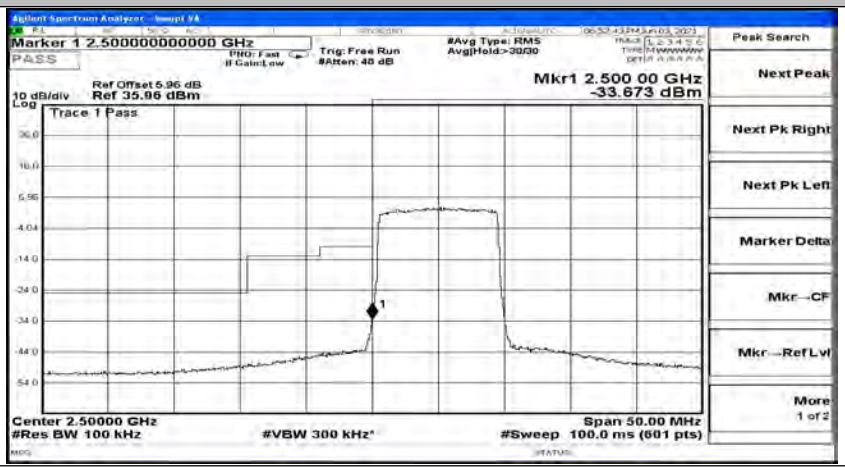
Band Edge Test Graph(s) (Channel Bandwidth: 10 MHz)_LCH_QPSK



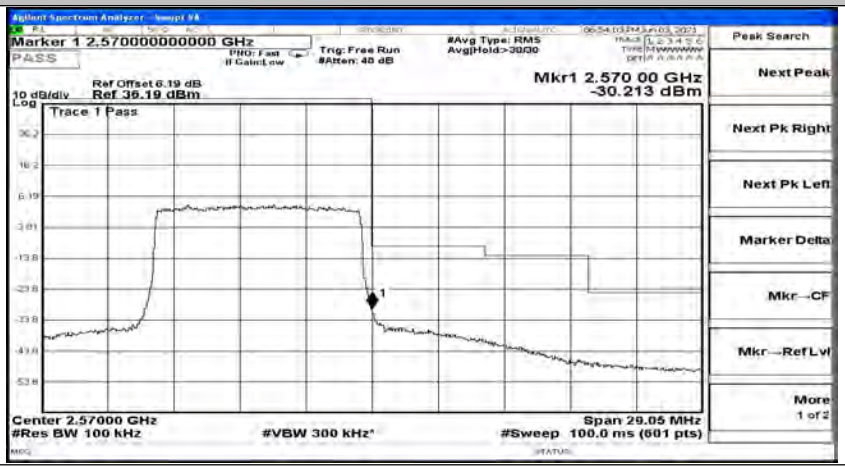
Band Edge Test Graph(s) (Channel Bandwidth: 10 MHz)_HCH_QPSK



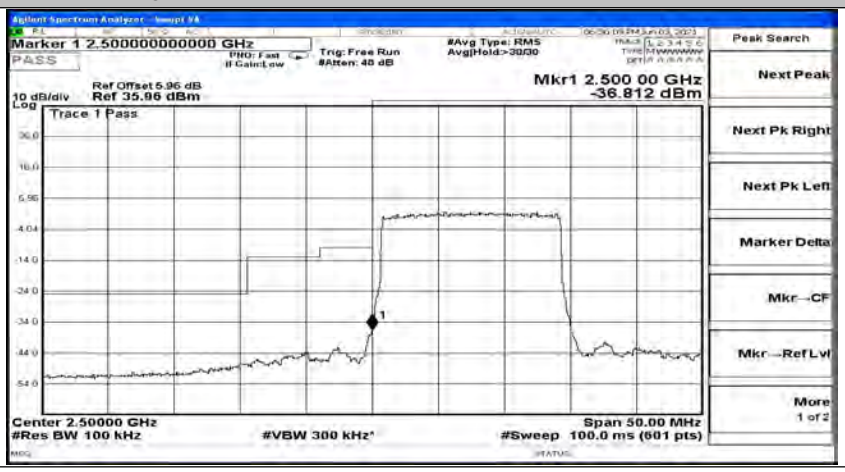
Band Edge Test Graph(s) (Channel Bandwidth: 10 MHz)_LCH_16QAM



Band Edge Test Graph(s) (Channel Bandwidth: 10 MHz)_HCH_16QAM

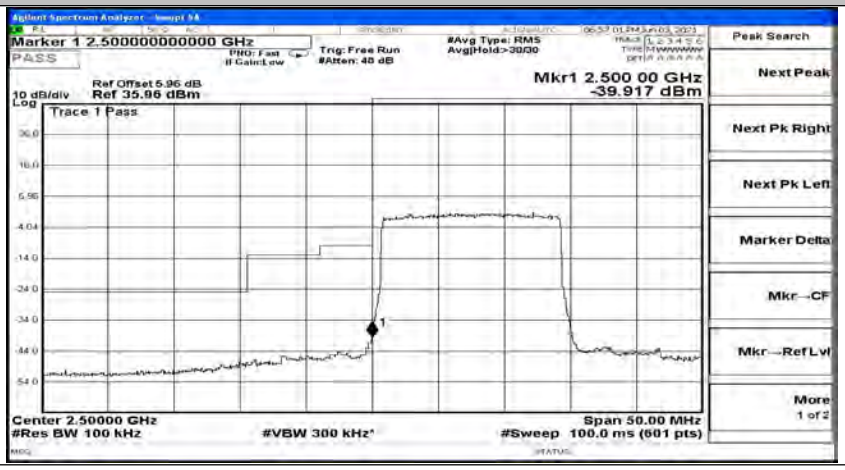


Band Edge Test Graph(s) (Channel Bandwidth:15 MHz)_LCH_QPSK



Band Edge Test Graph(s) (Channel Bandwidth:15 MHz)_HCH_QPSK

Band Edge Test Graph(s) (Channel Bandwidth:15 MHz)_LCH_16QAM



Band Edge Test Graph(s) (Channel Bandwidth:15 MHz)_HCH_16QAM

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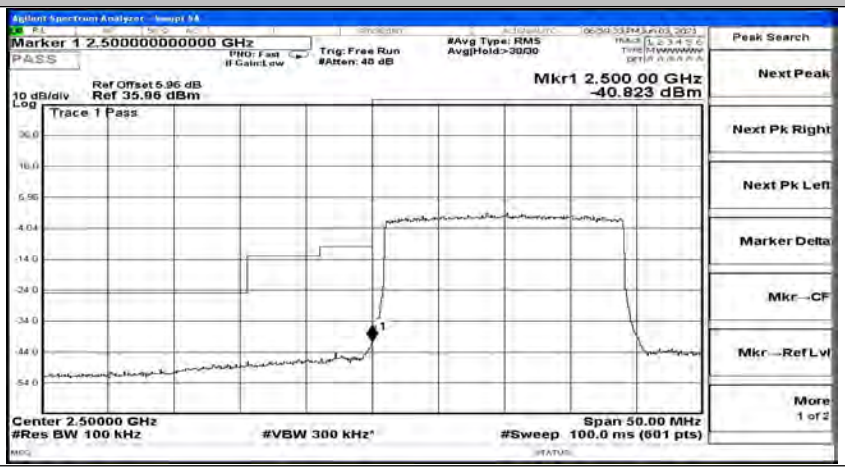
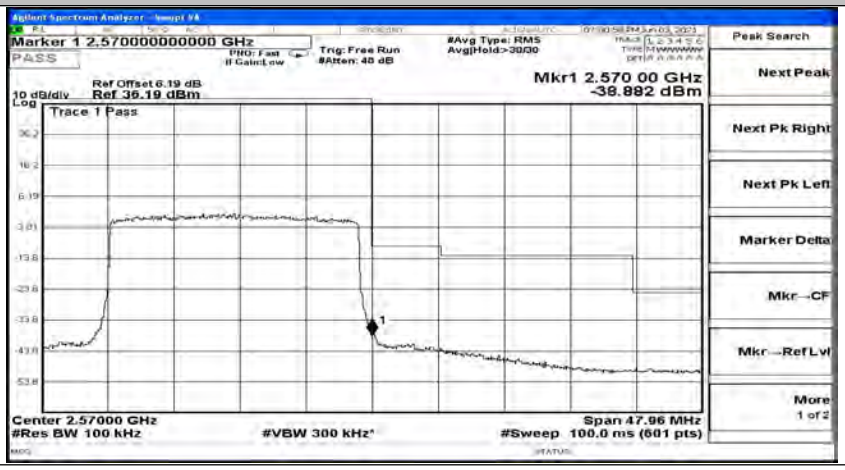
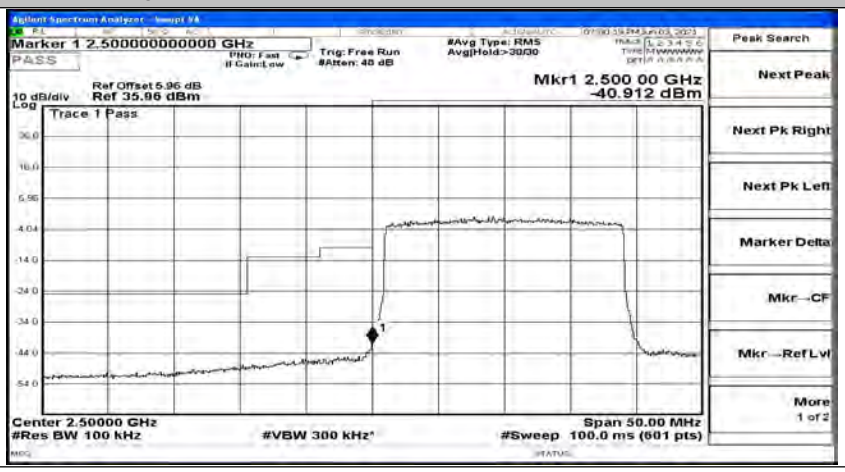
Band Edge Test Graph(s) (Channel Bandwidth:20 MHz)_LCH_QPSK



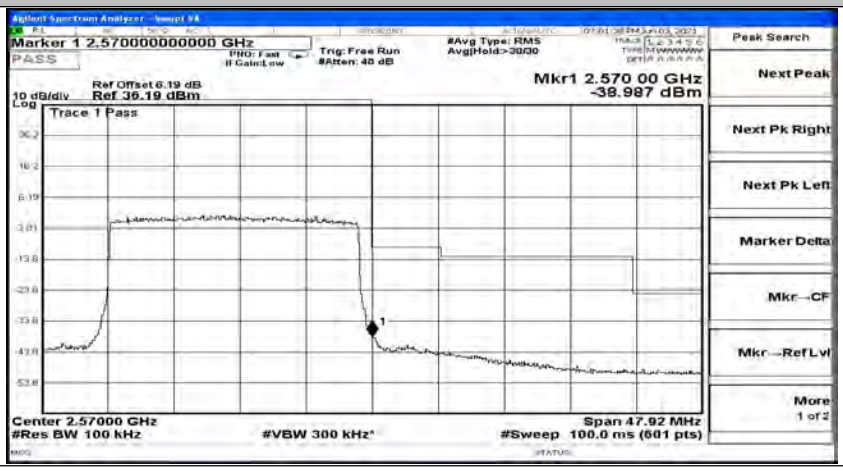
Band Edge Test Graph(s) (Channel Bandwidth:20 MHz)_HCH_QPSK



Band Edge Test Graph(s) (Channel Bandwidth:20 MHz)_LCH_16QAM



Band Edge Test Graph(s) (Channel Bandwidth:20 MHz)_HCH_16QAM

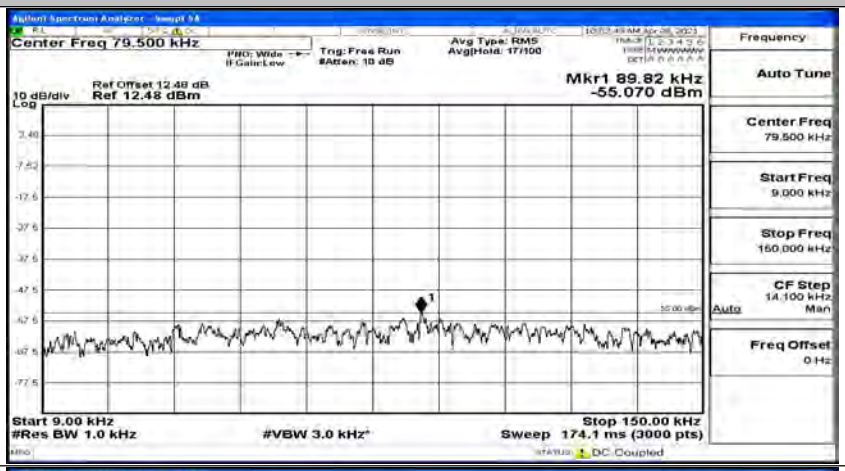


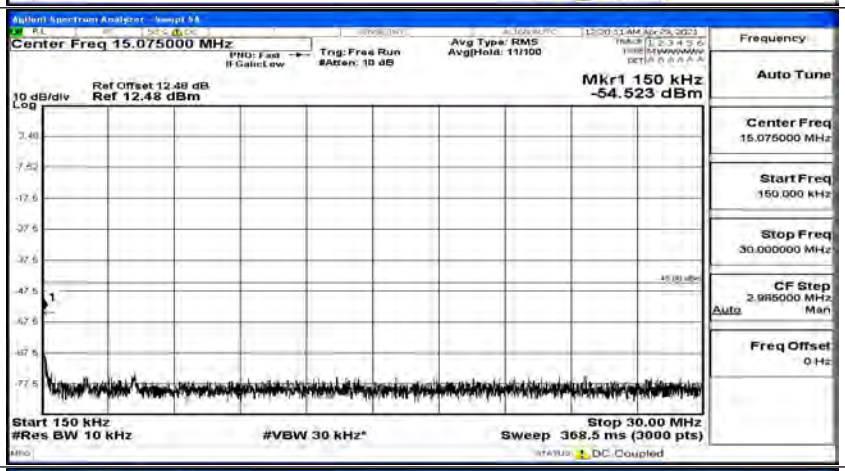
E.5 Conducted Spurious Emission

Test Graphs

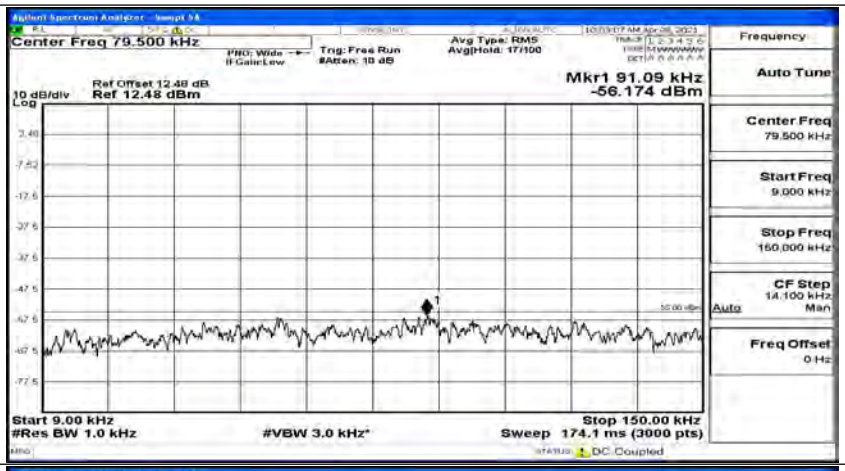
Channel Bandwidth: 5 MHz

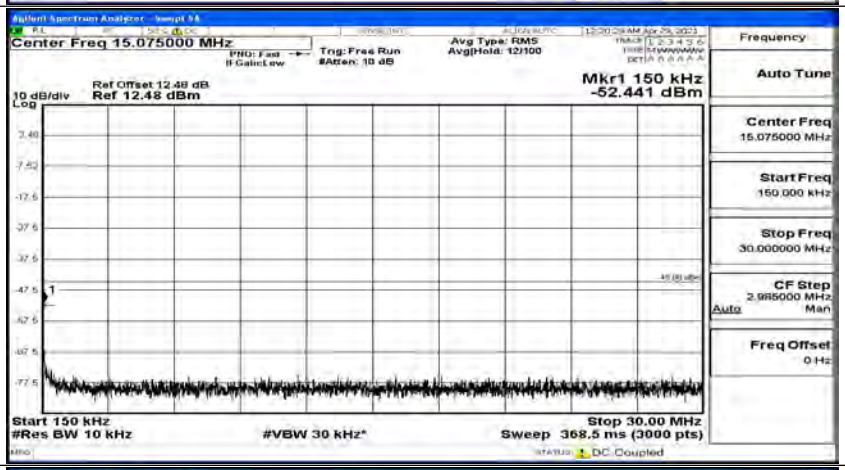
(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#0



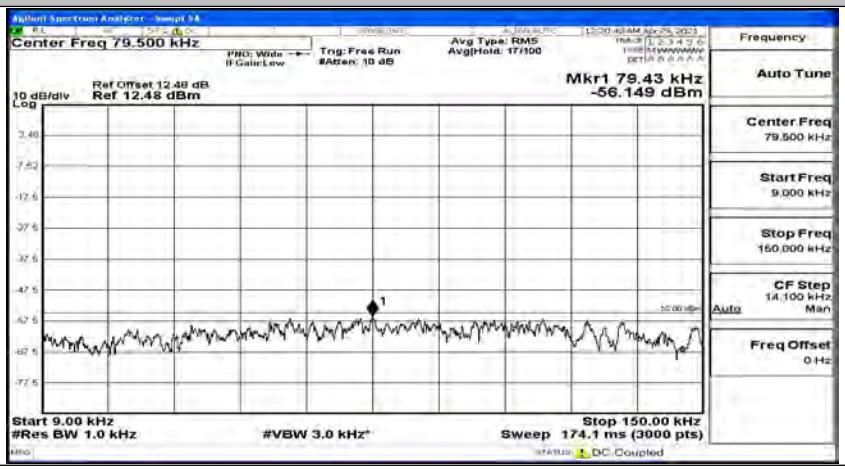


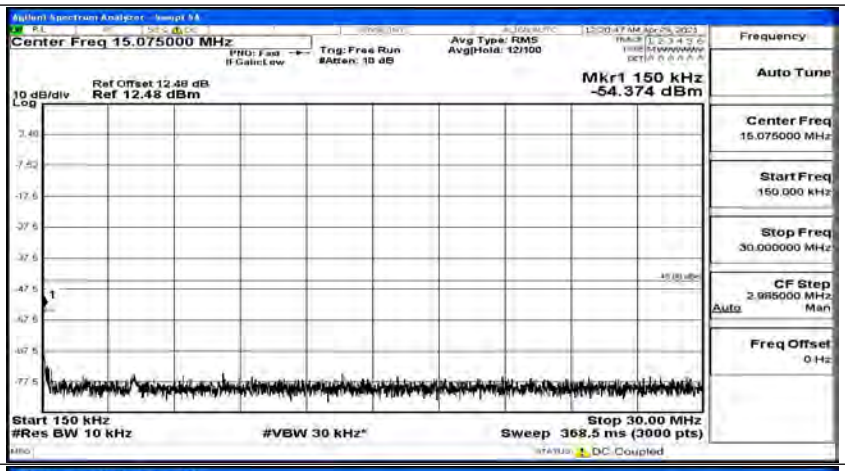
(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#12



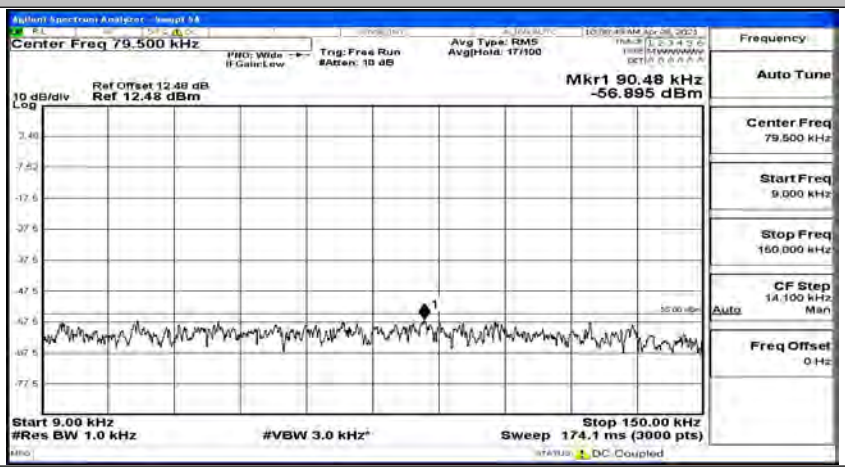


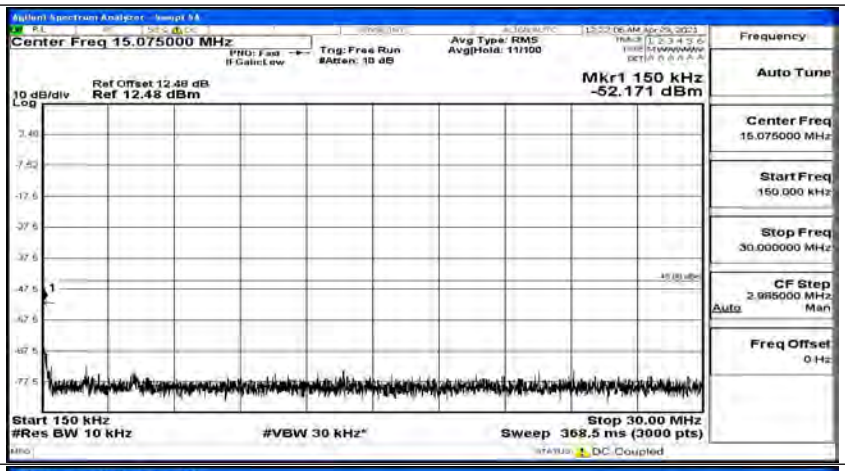
(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#24



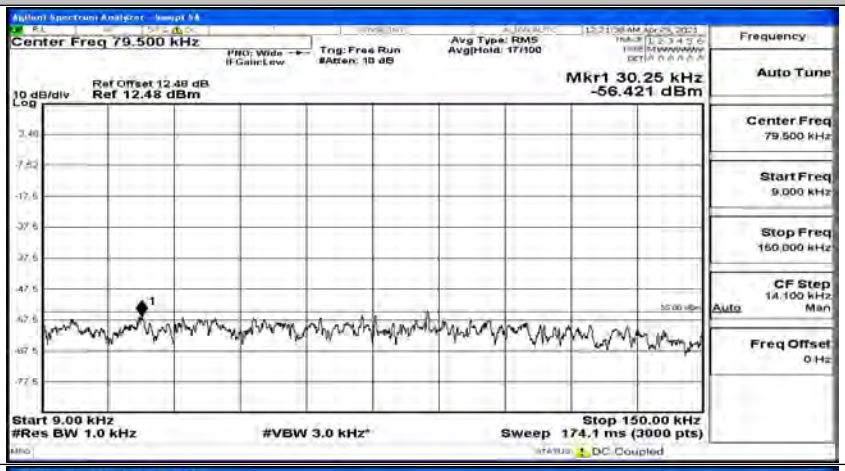


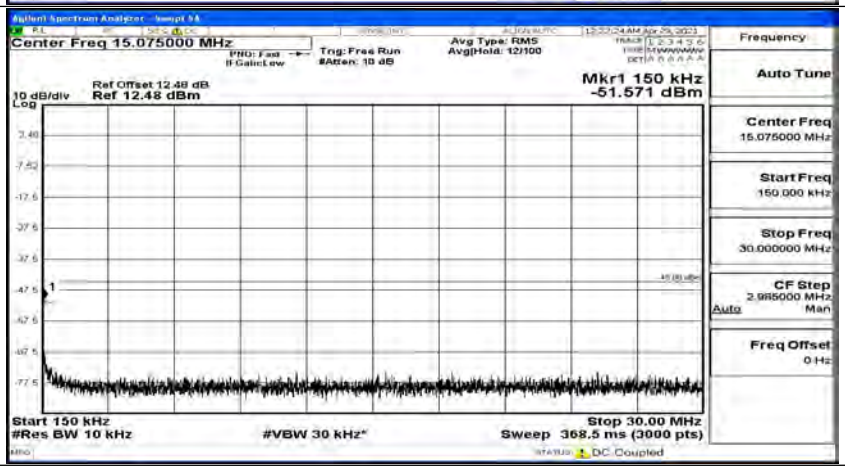
(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#0



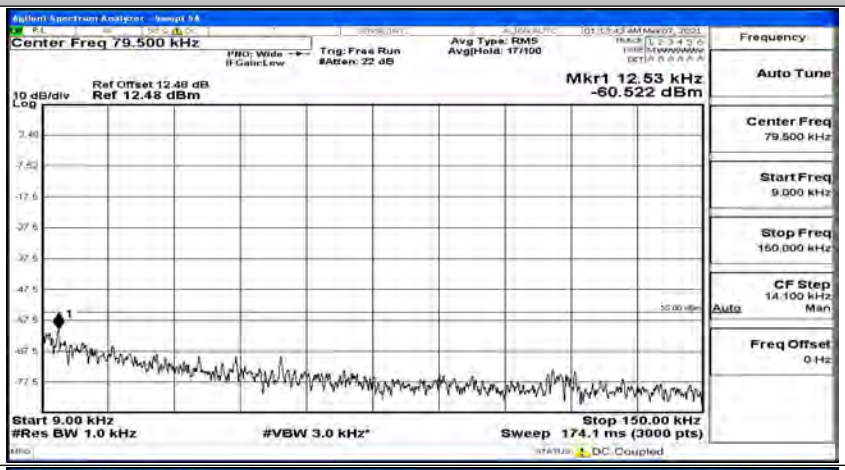


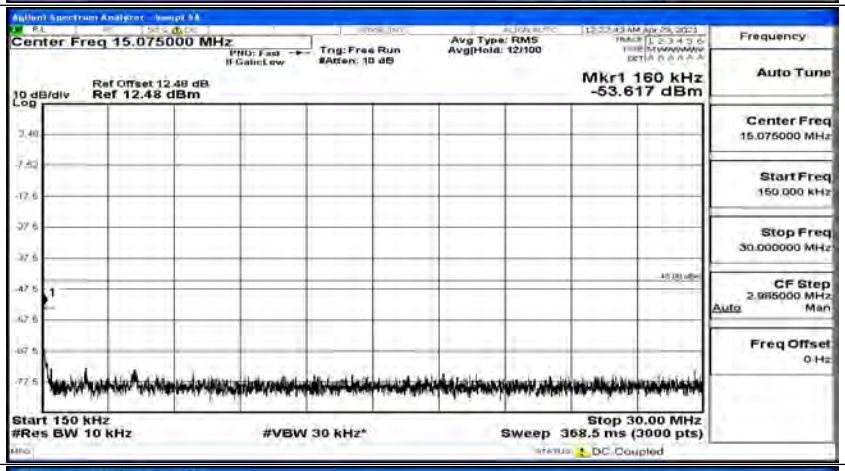
(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#12



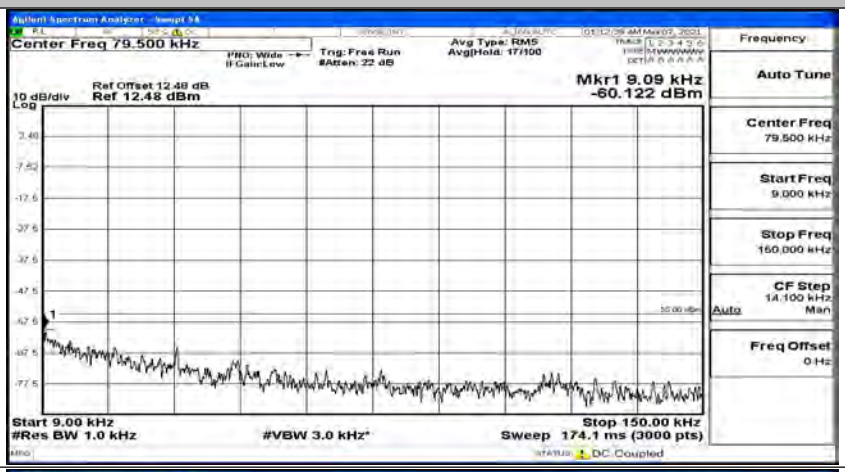


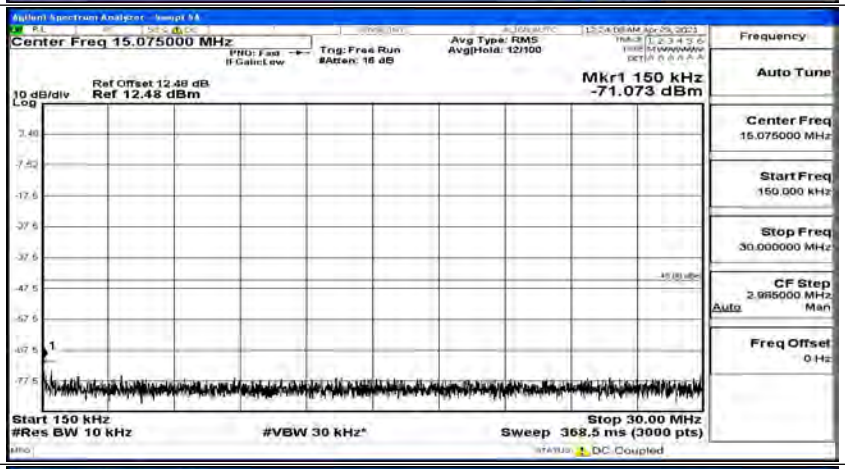
(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#24



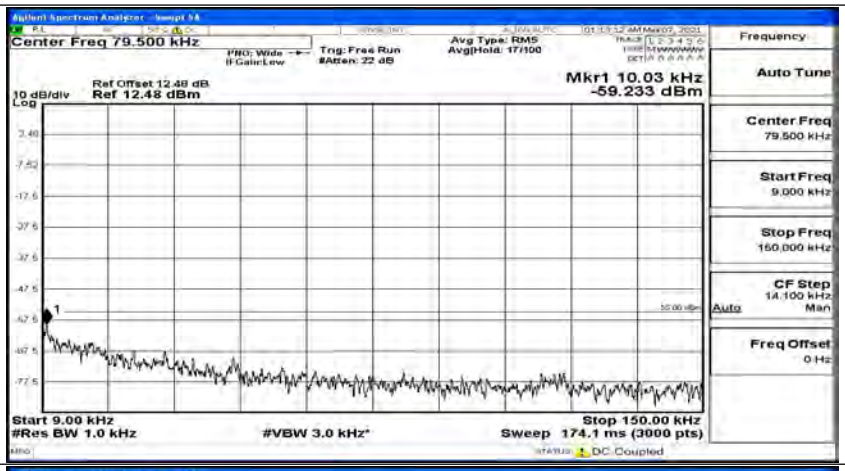


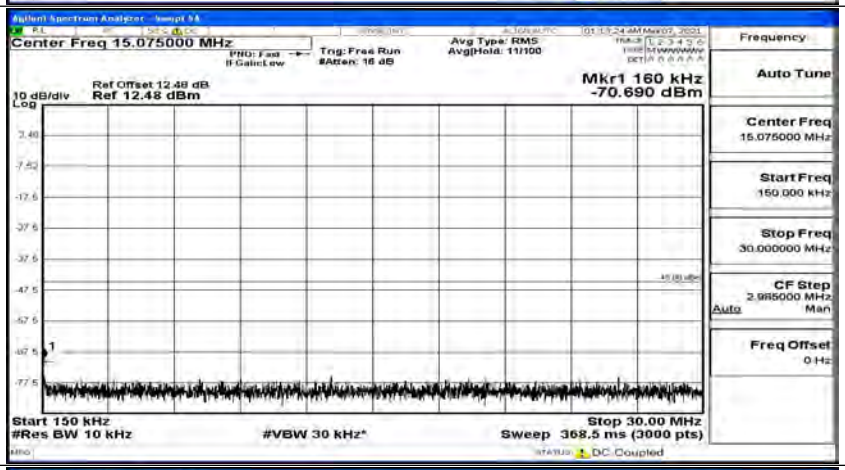
(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#0



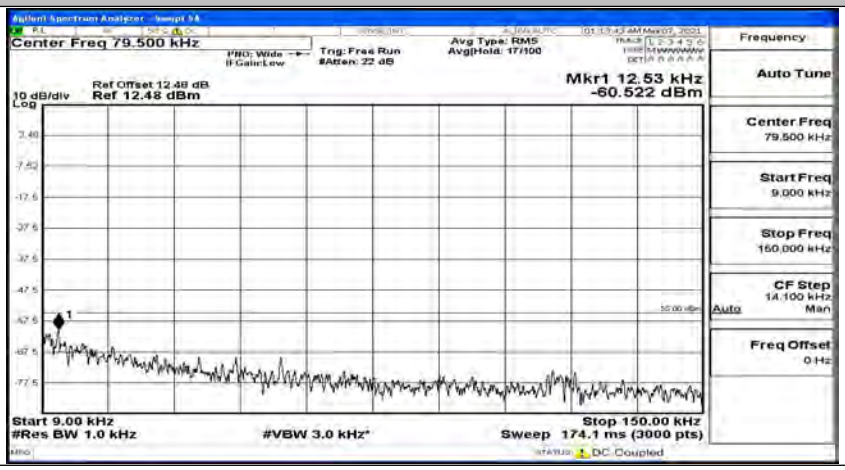


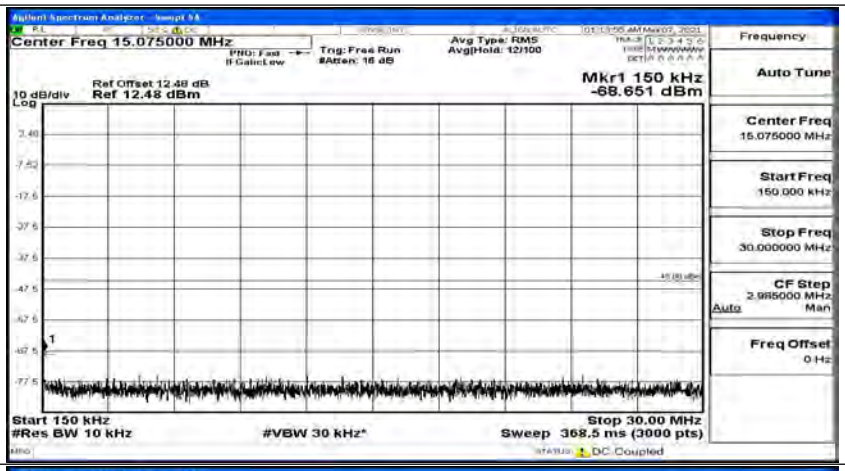
(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#12



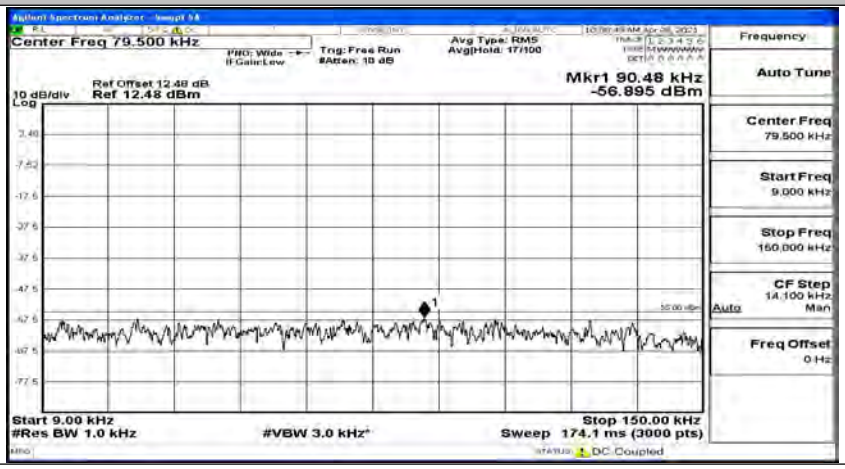


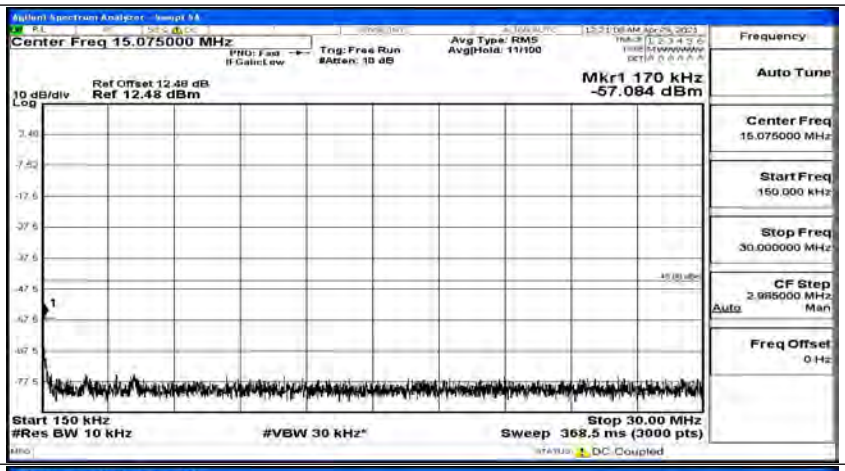
(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#24



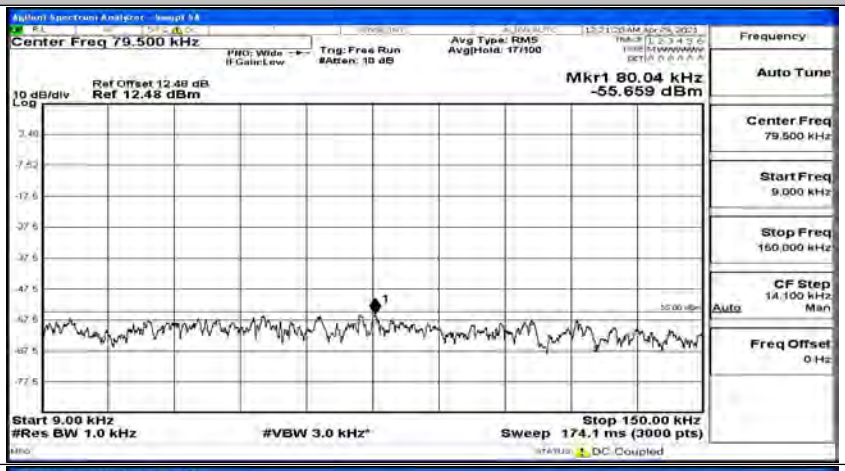


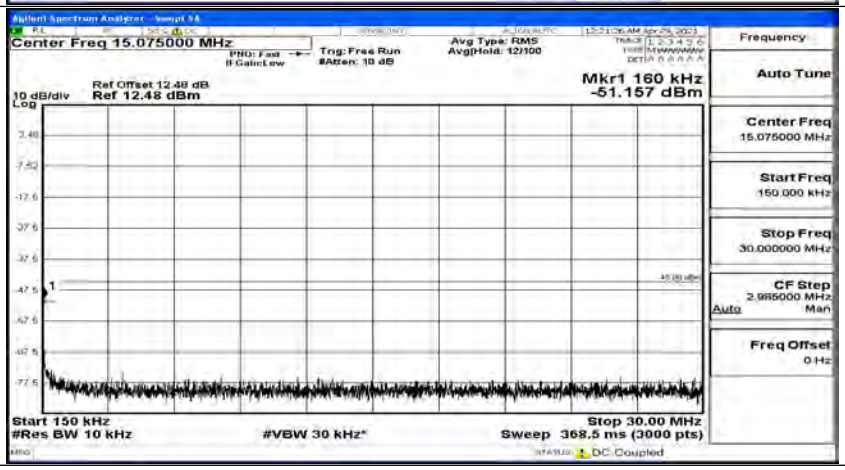
(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#0



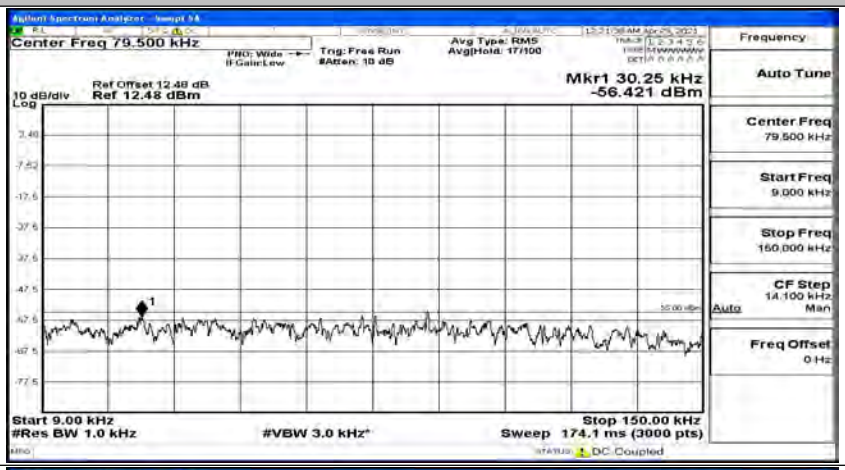


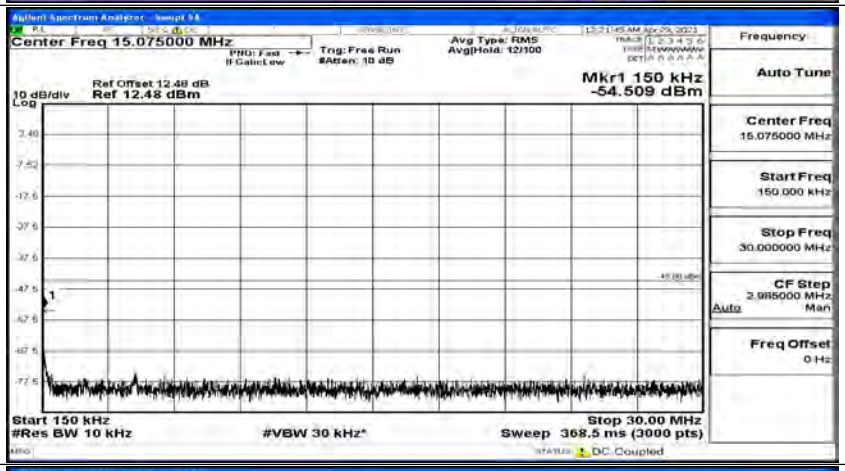
(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#12



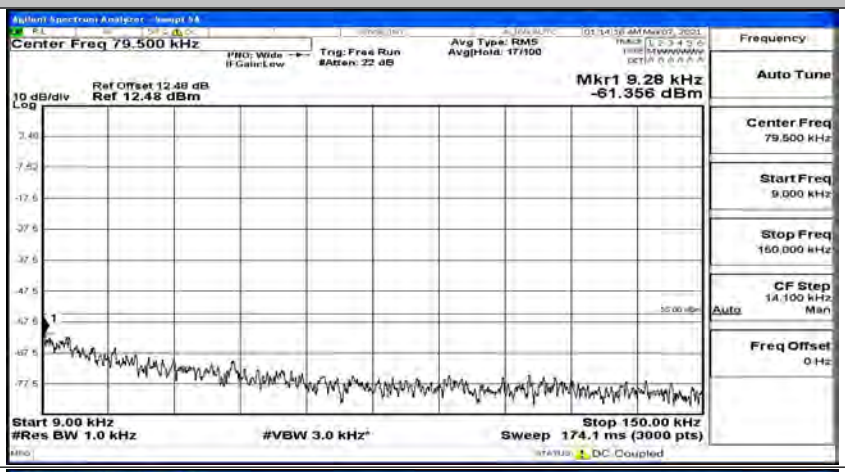


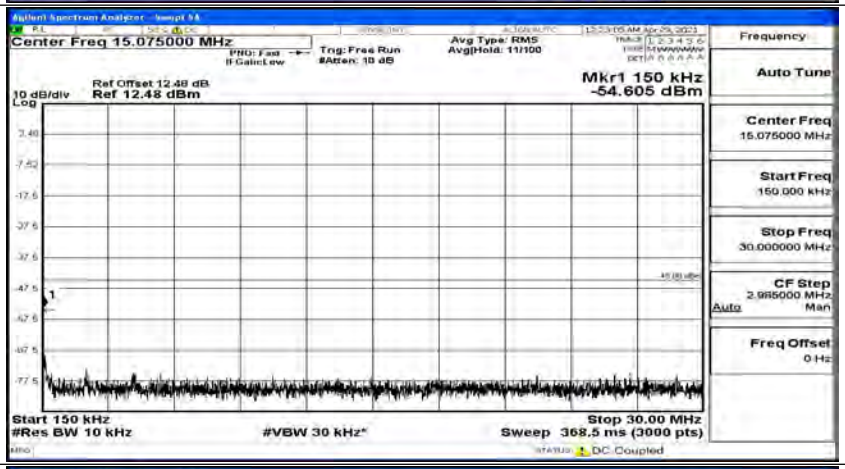
(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#24



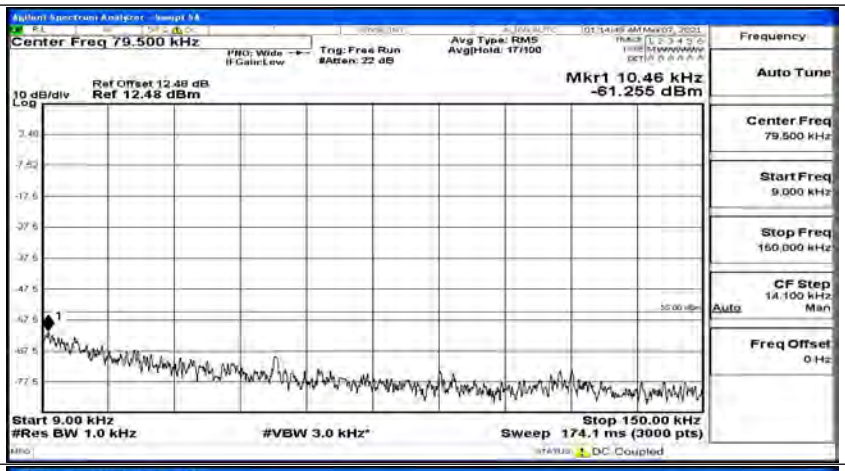


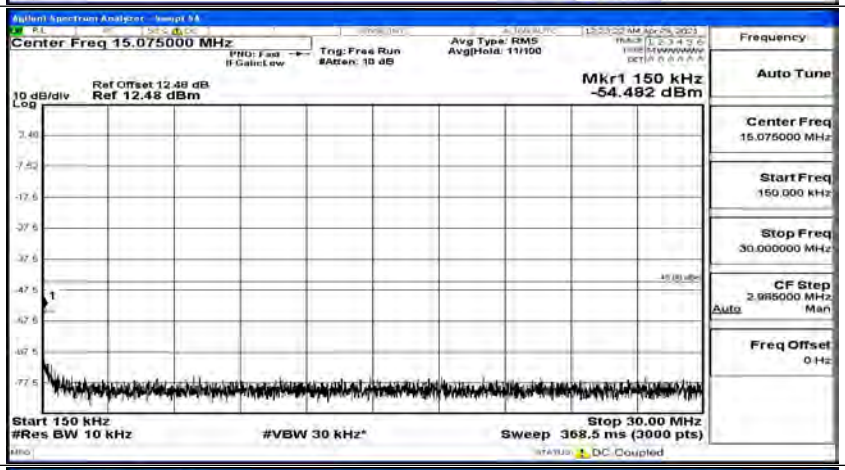
(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#0



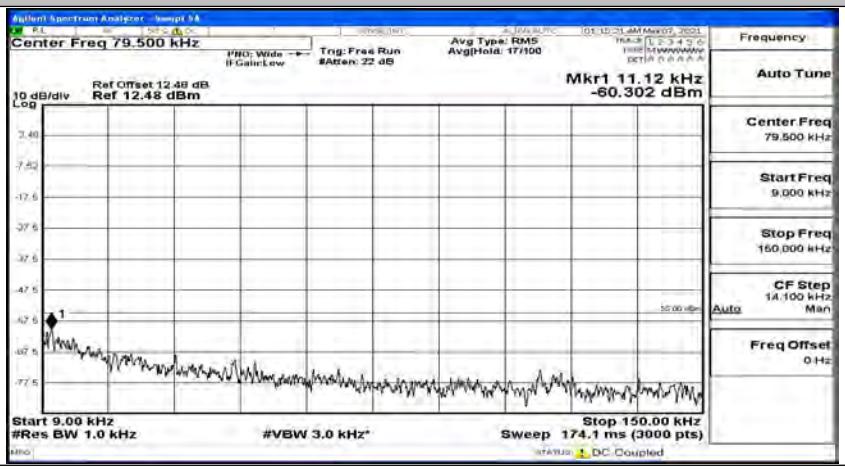


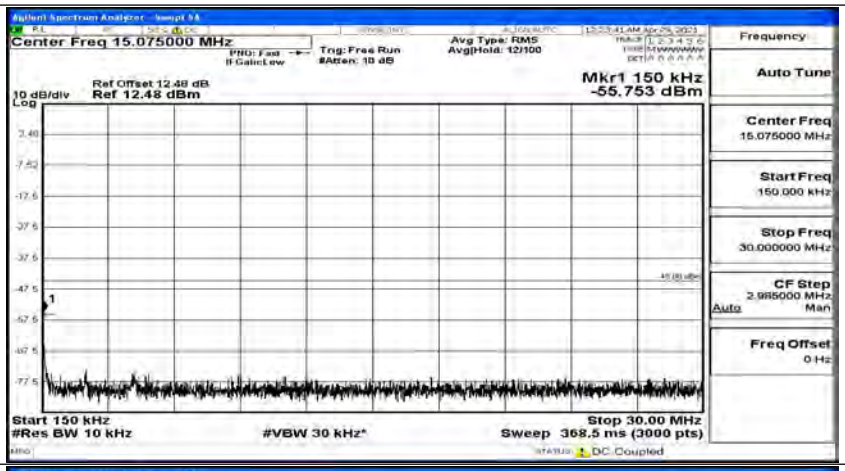
(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#12



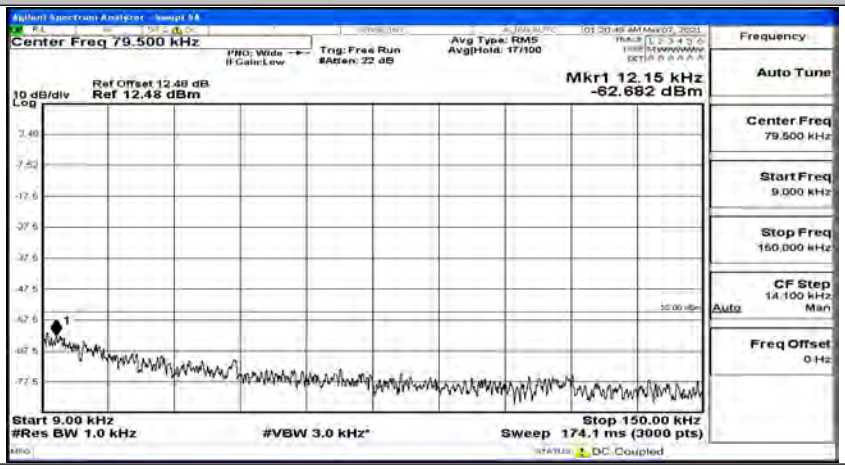


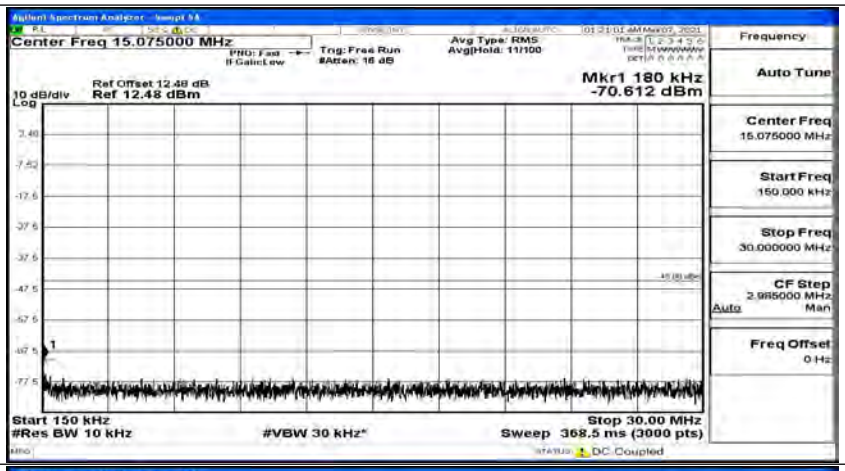
(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#24



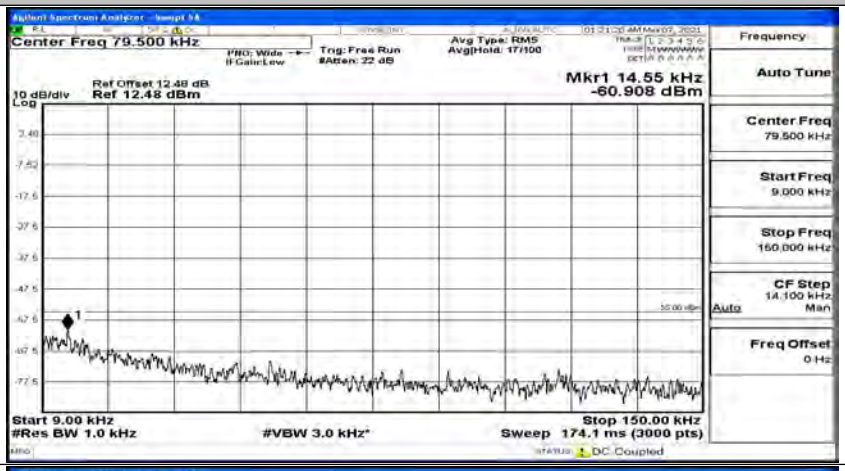


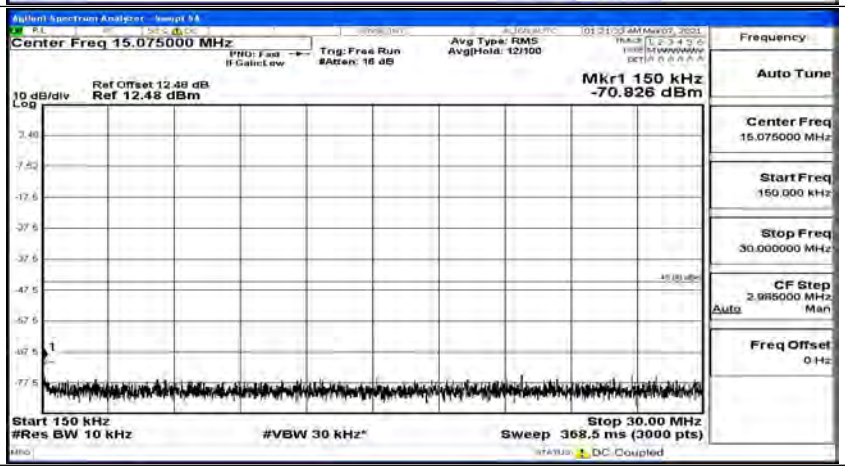
(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#0



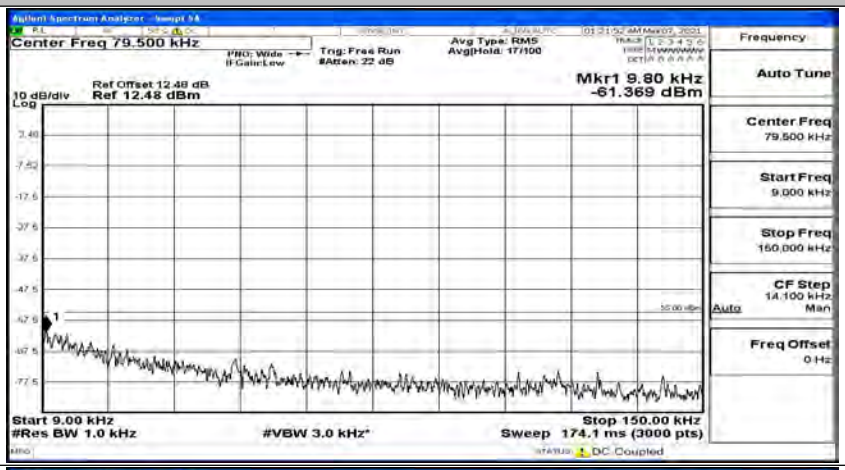


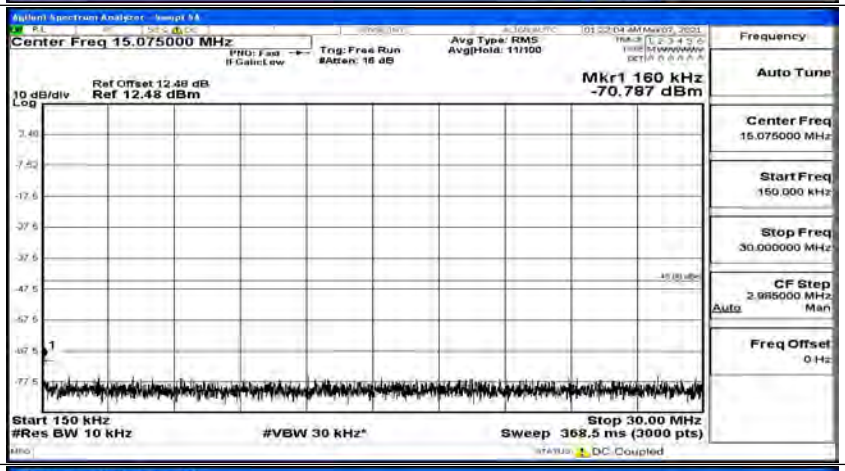
(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#12



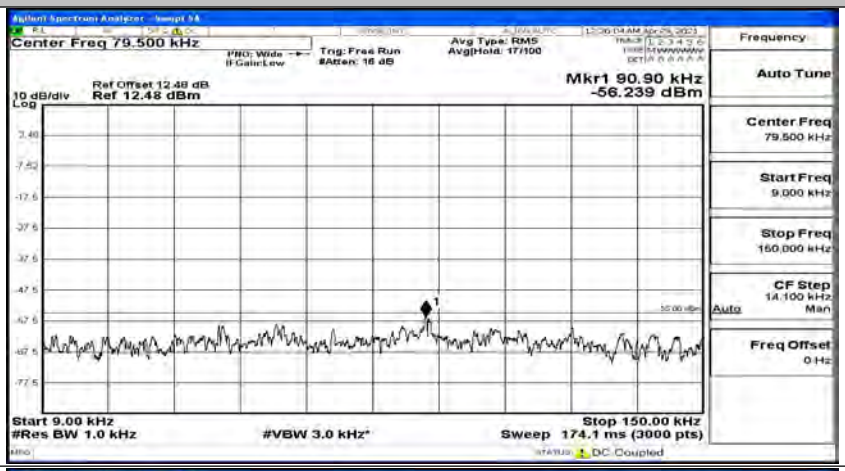
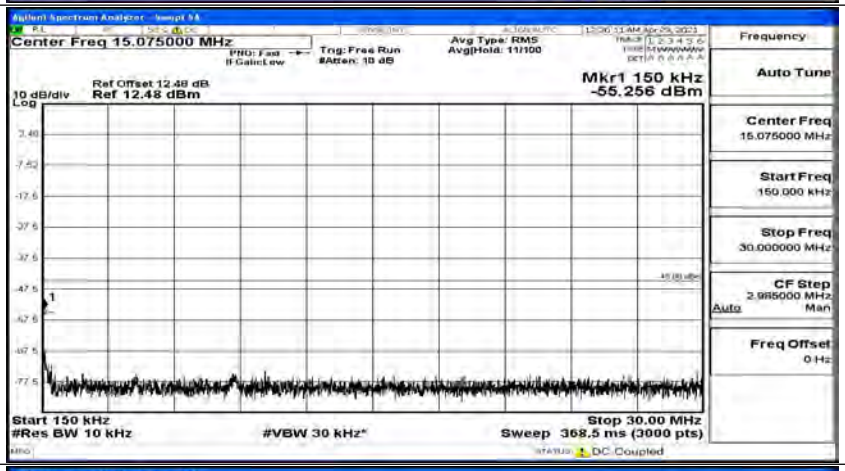


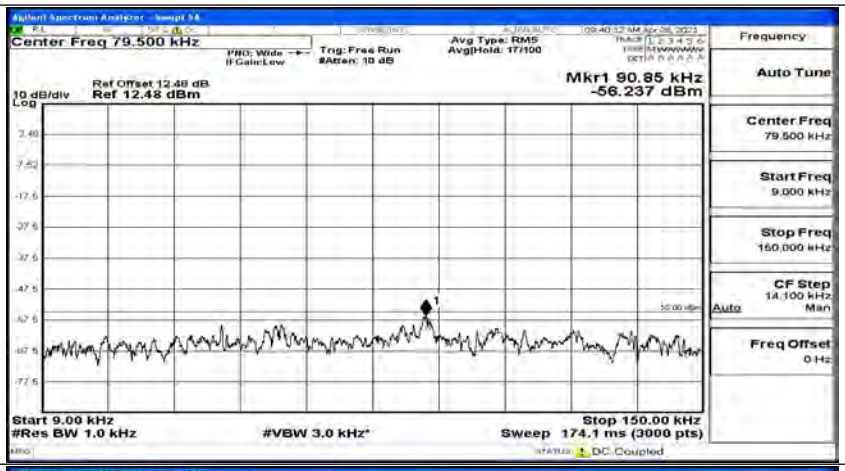
(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#24

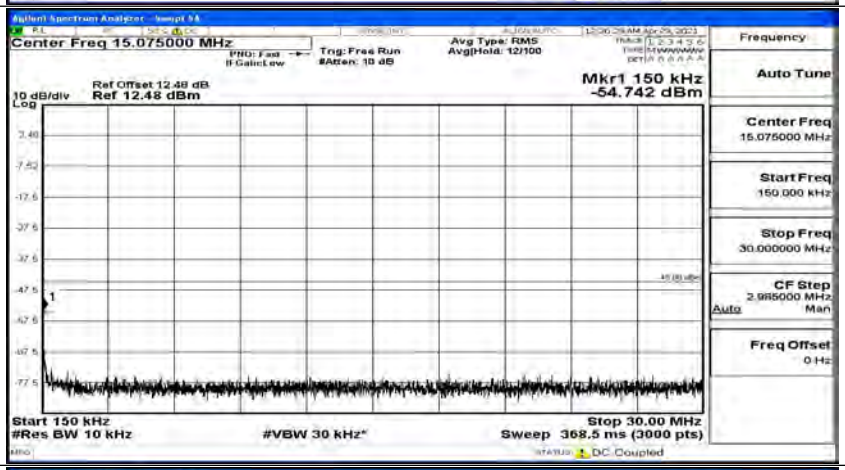




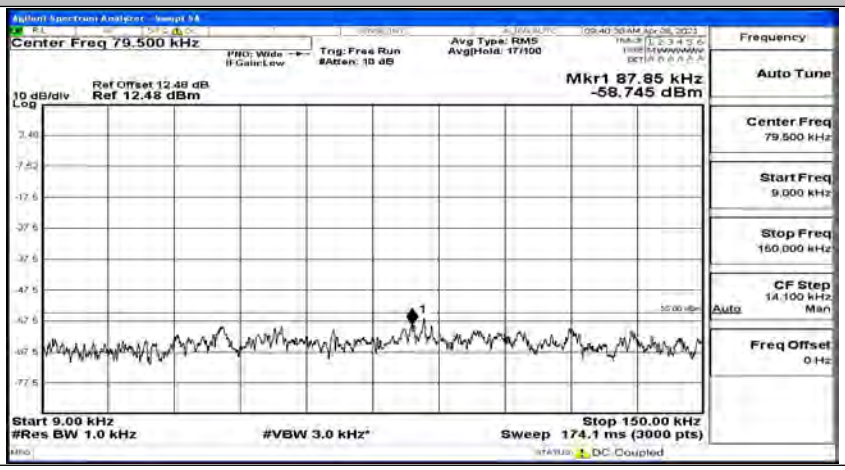
Channel Bandwidth: 10 MHz

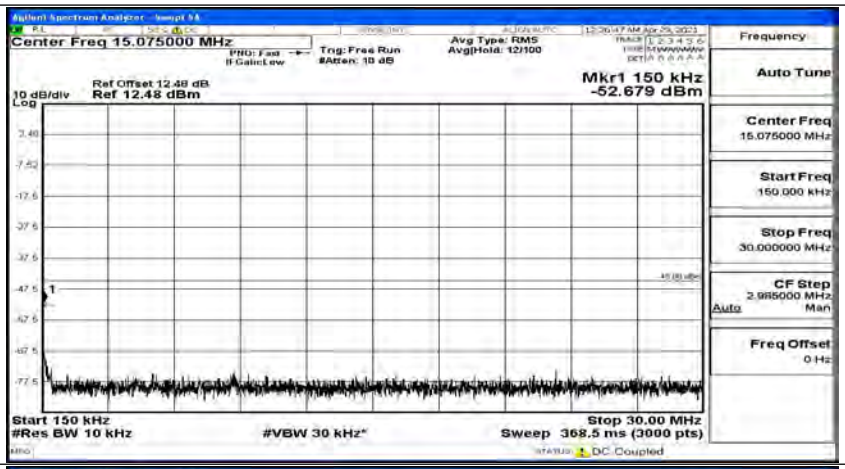
Channel Bandwidth: 10 MHz_LCH_QPSK_1RB#0


Channel Bandwidth: 10 MHz_LCH_QPSK_1RB#24



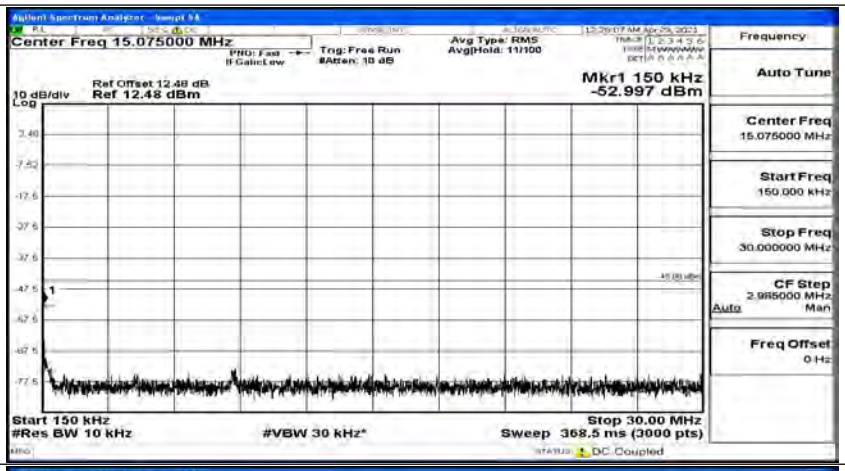


Channel Bandwidth: 10 MHz_LCH_QPSK_1RB#49





Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#0



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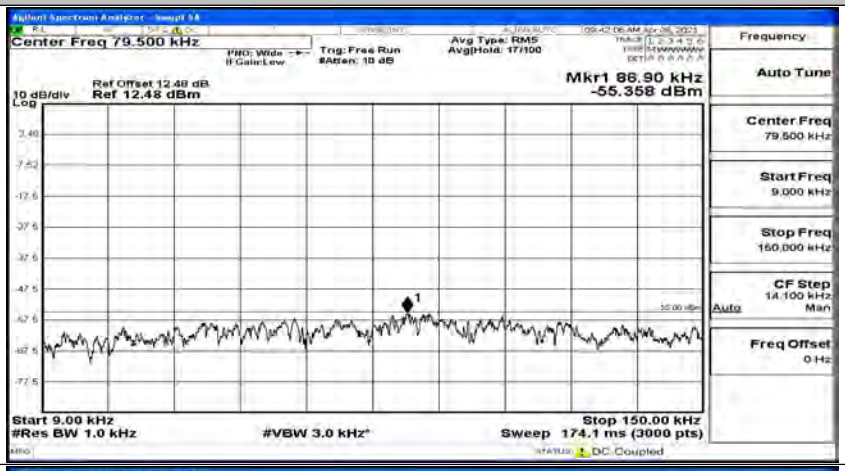
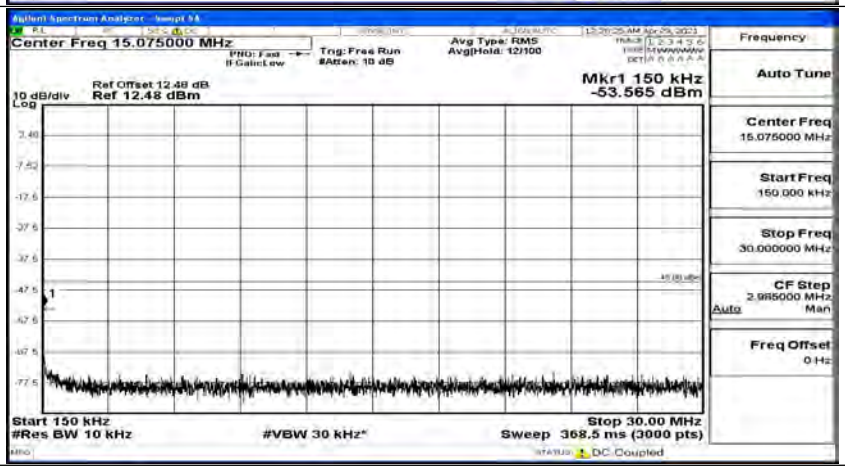
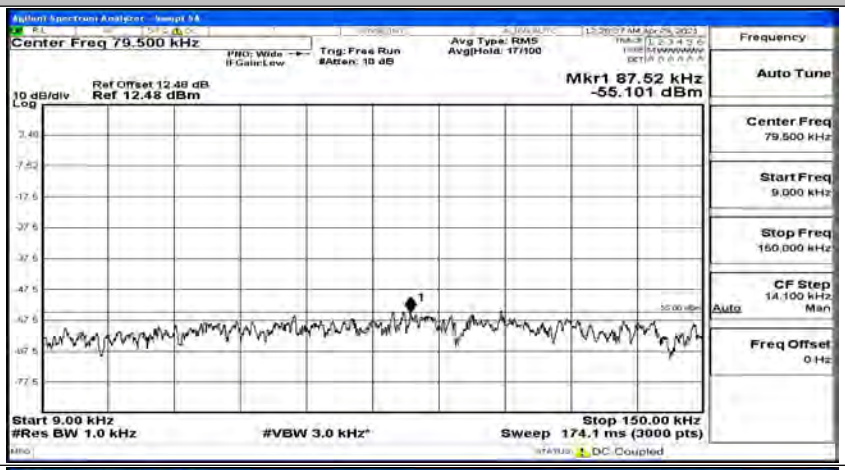
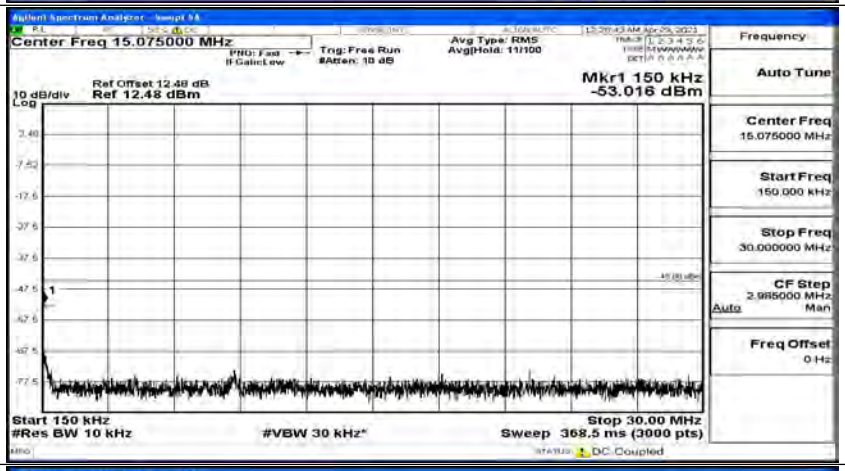
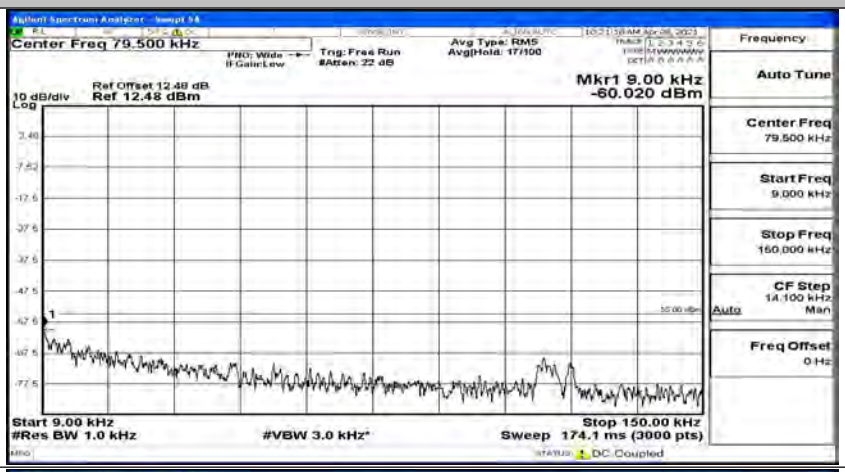
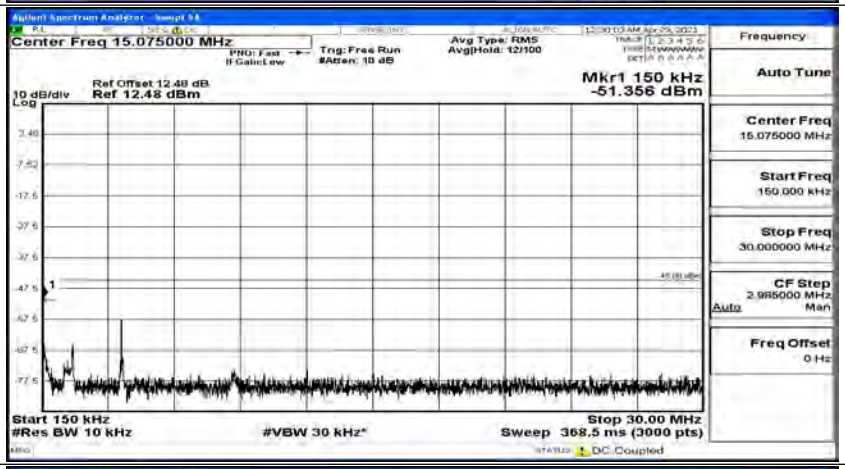


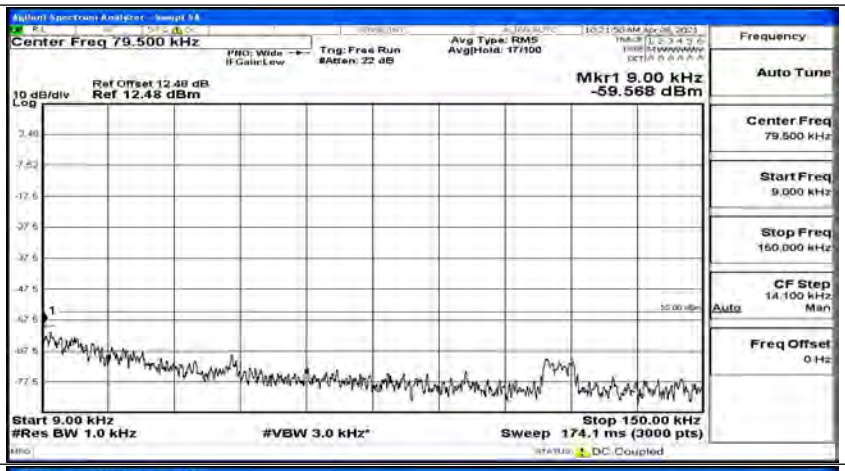


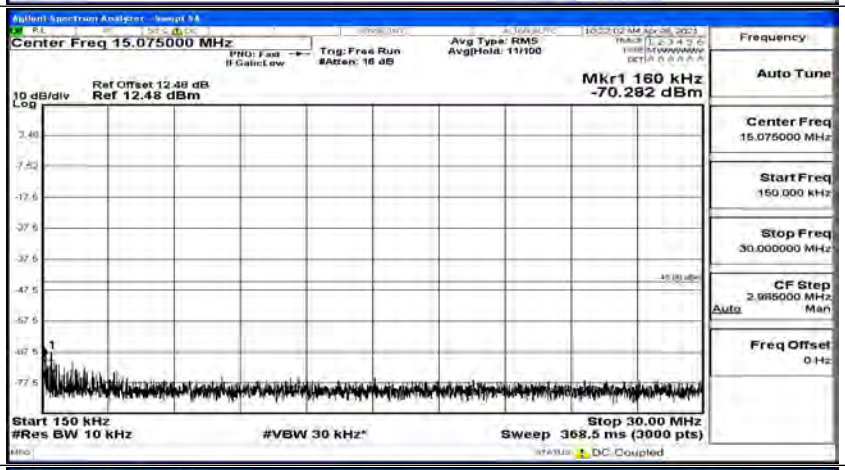
Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#49



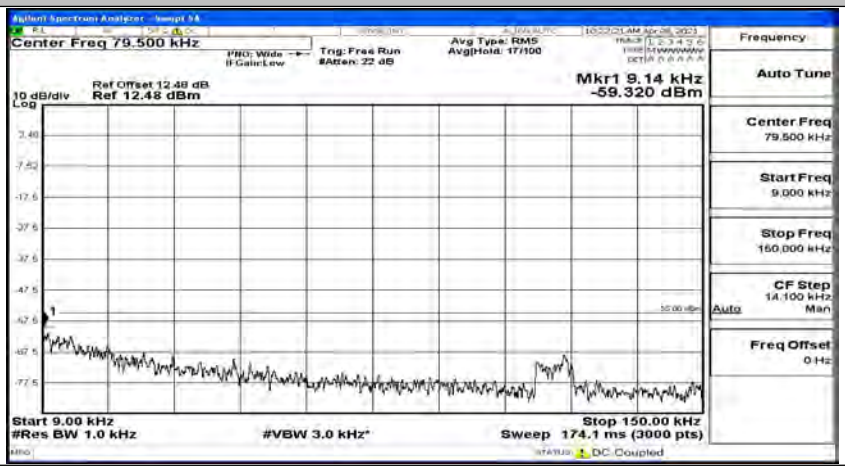


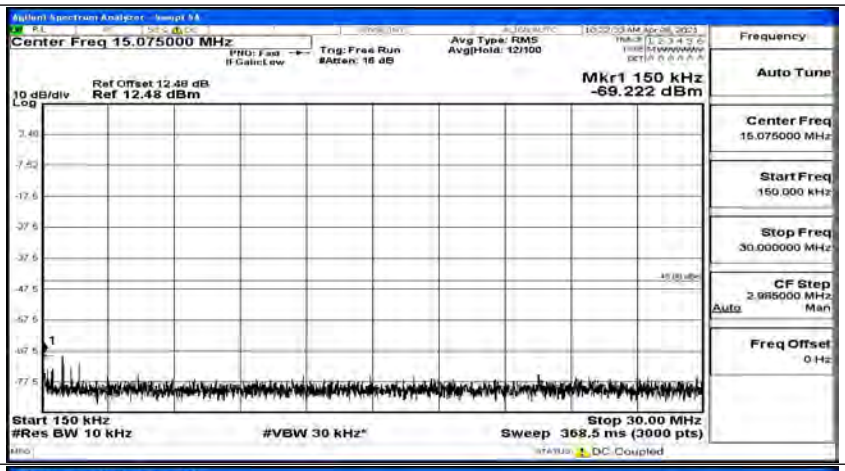
Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#0


Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#24



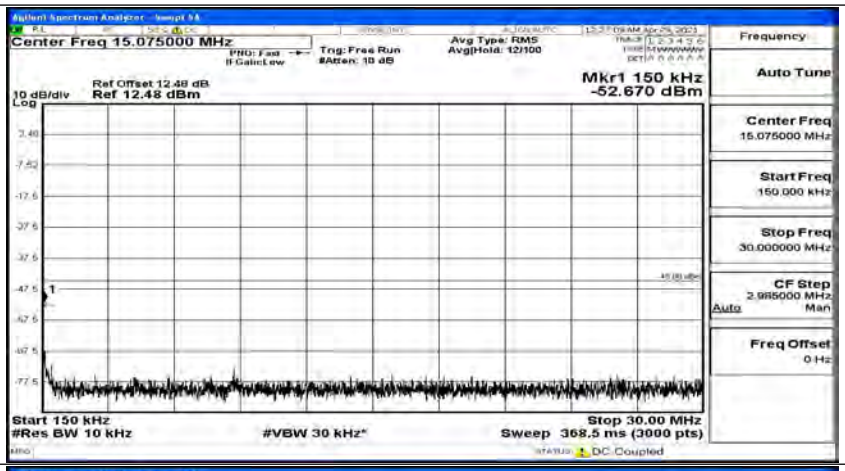


Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#49

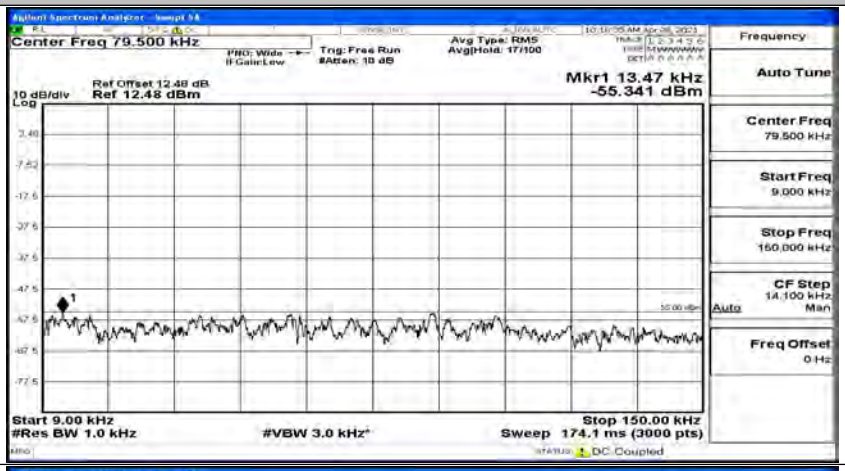


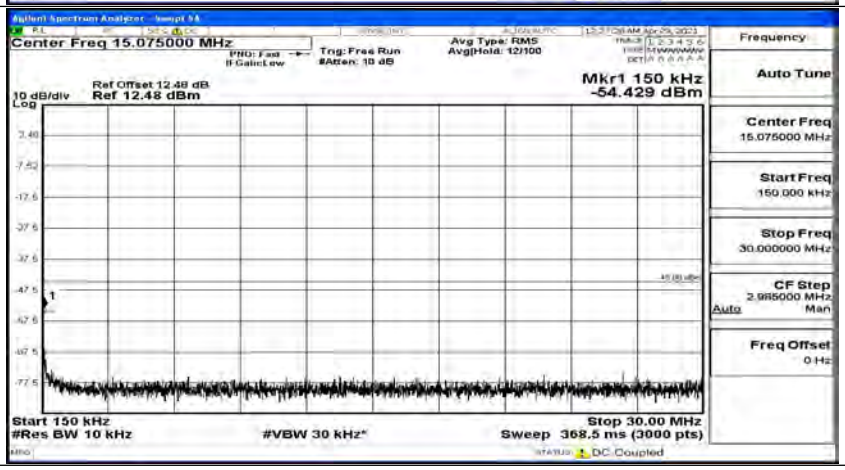


Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#0

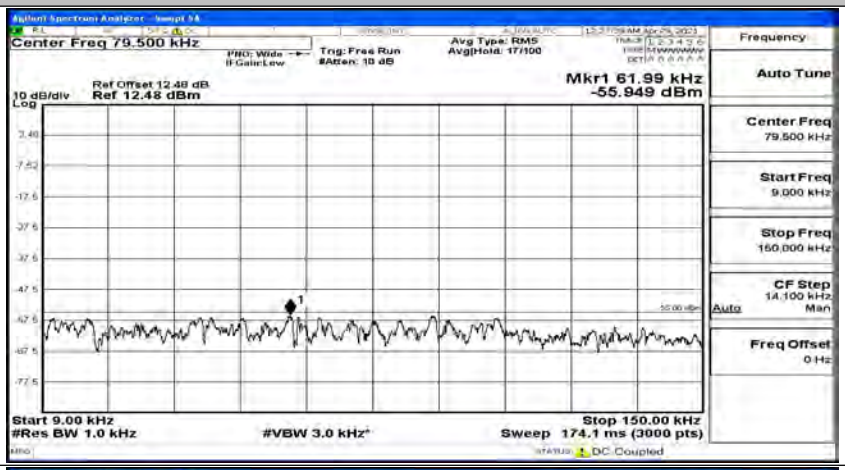


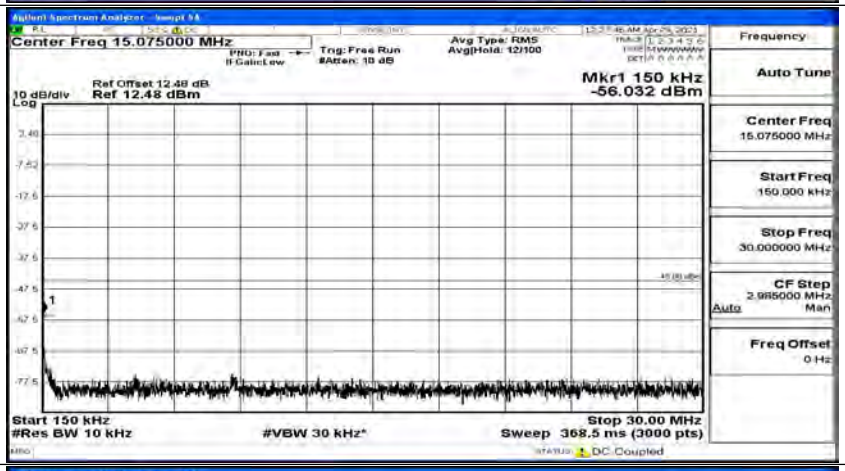
Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#24

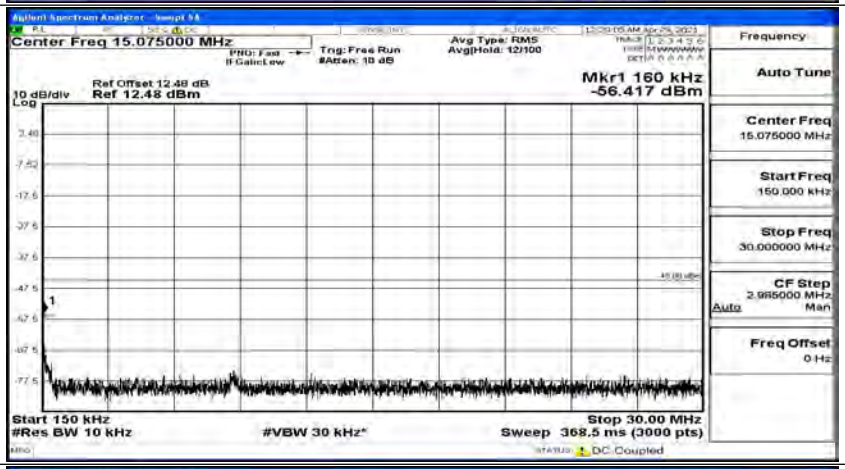


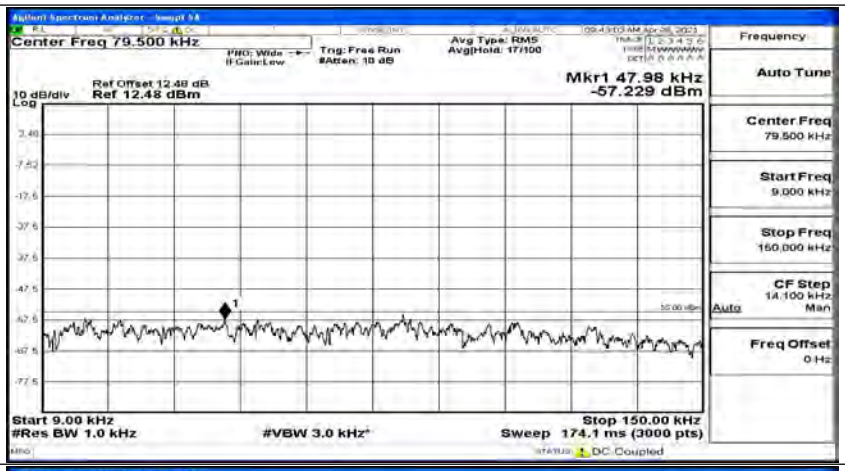


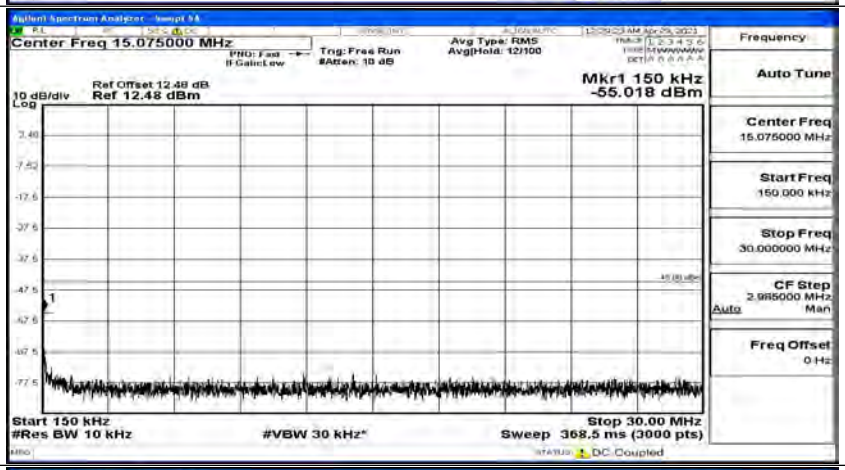
Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#49



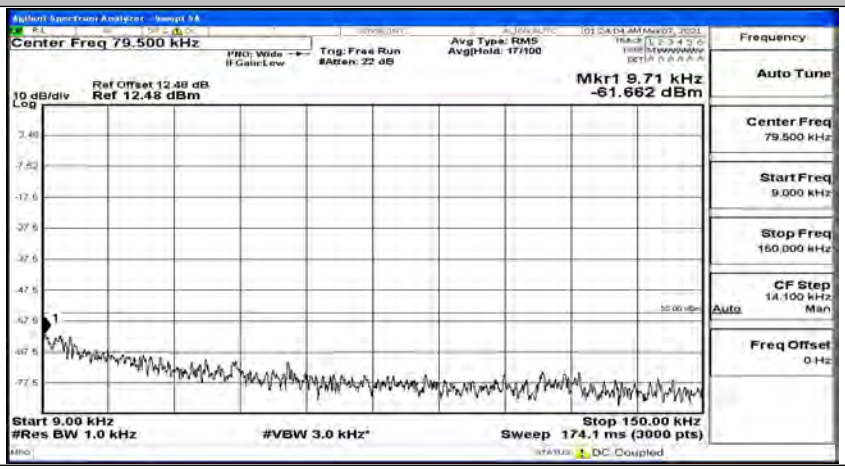


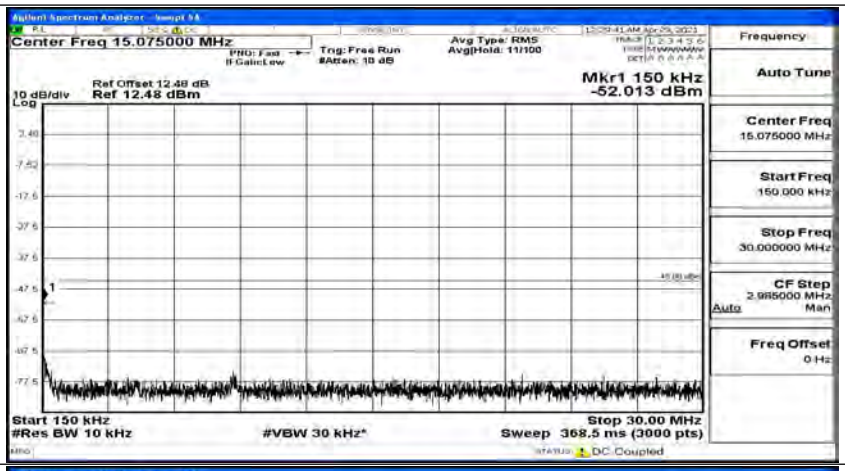
Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#0

Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#24



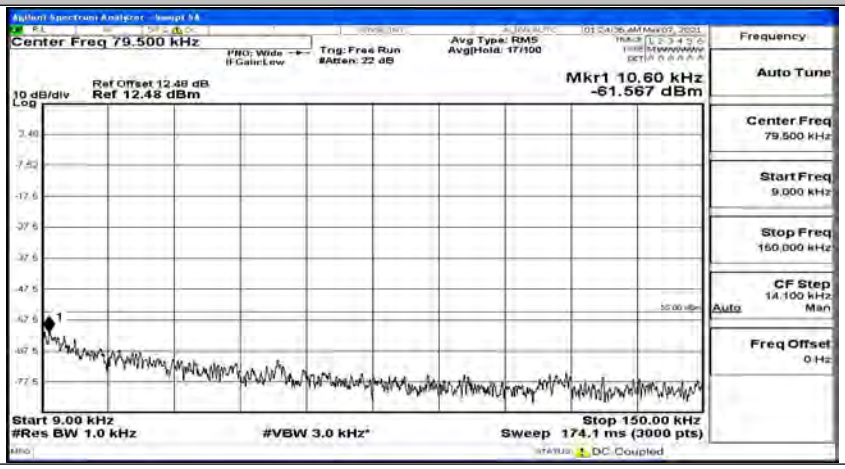


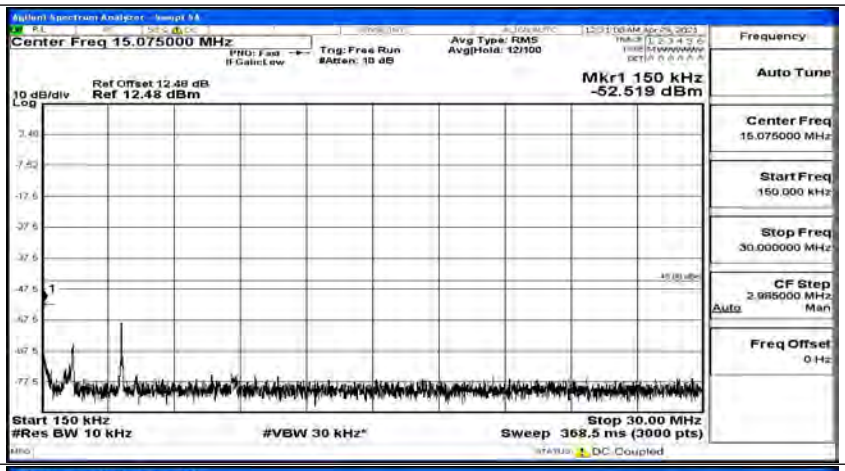
Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#49



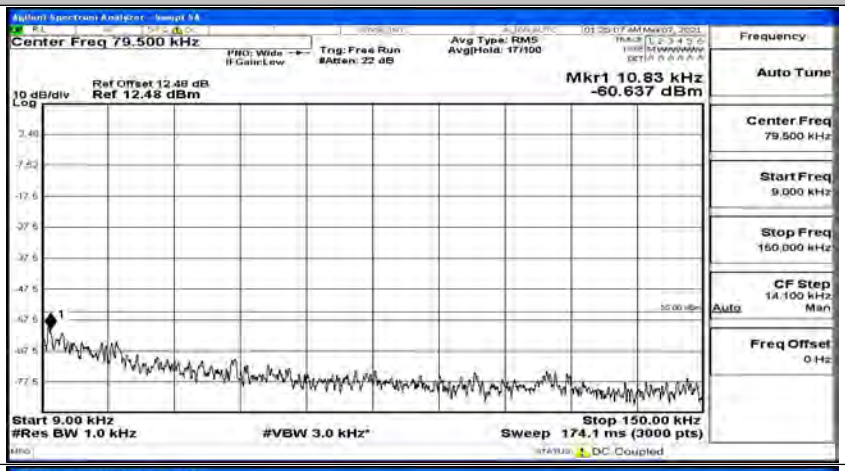


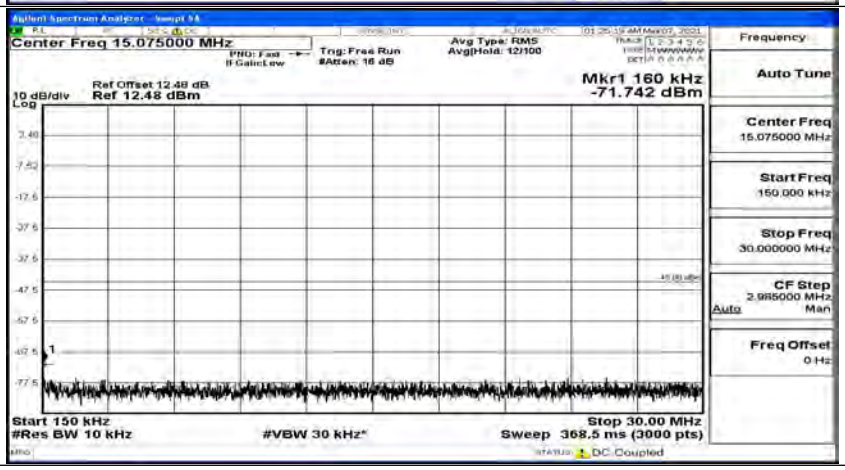
Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#0



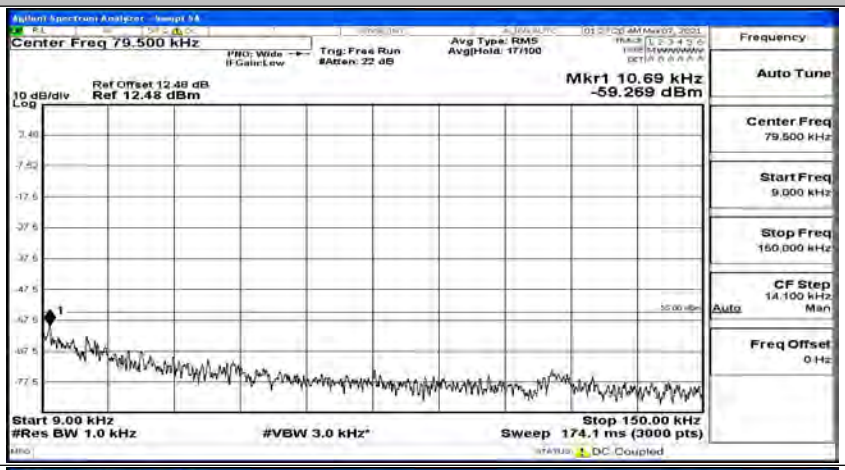


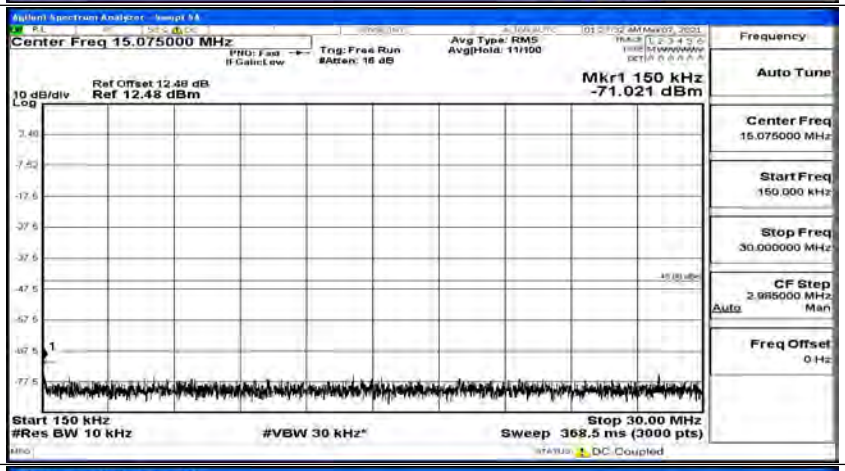
Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#24



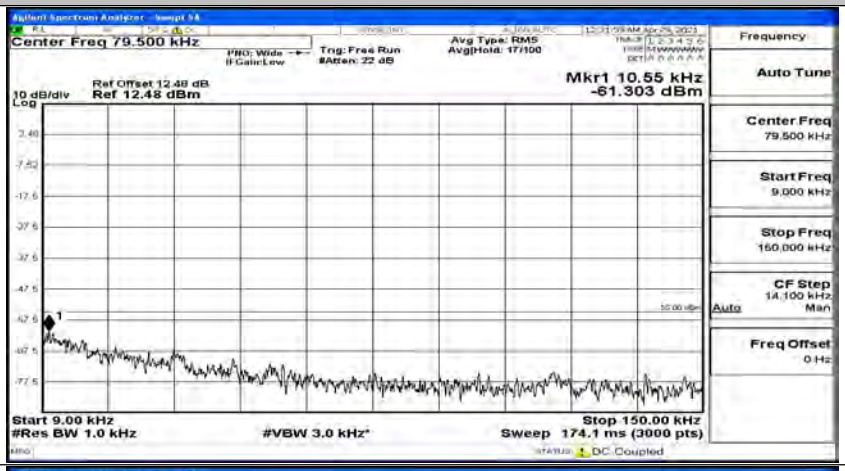
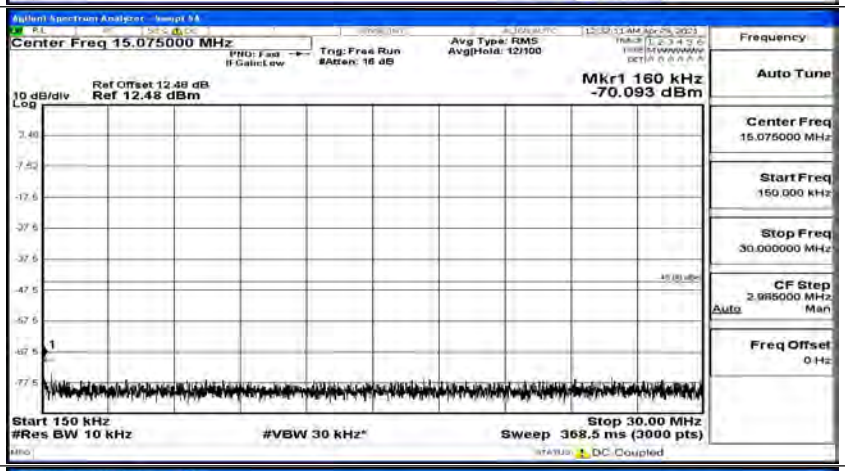


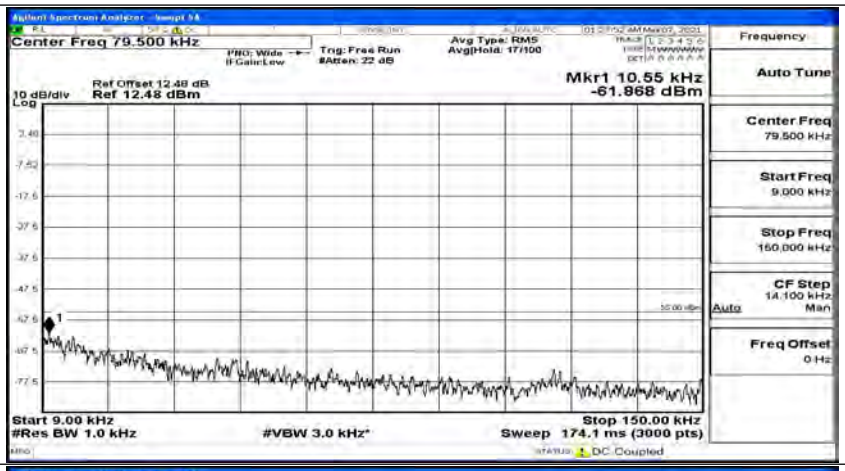
Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#49

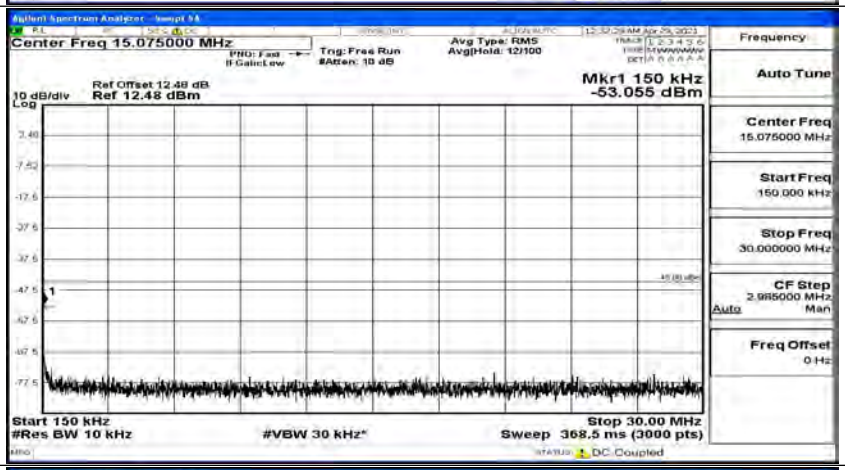




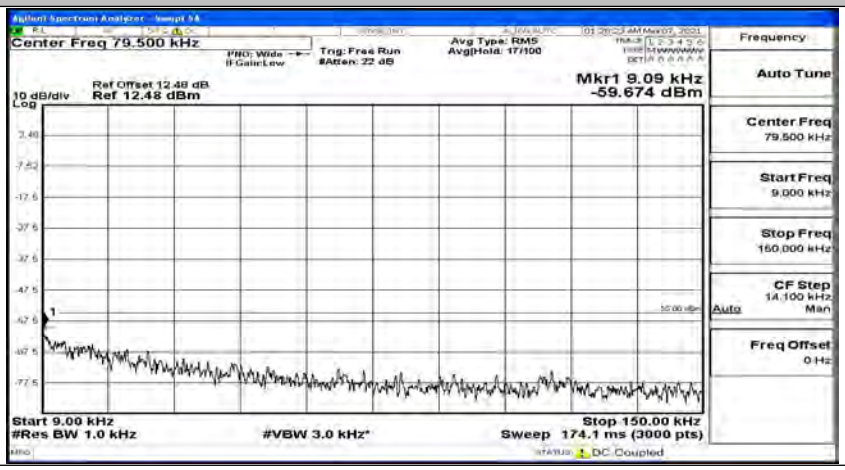
Channel Bandwidth: 15 MHz

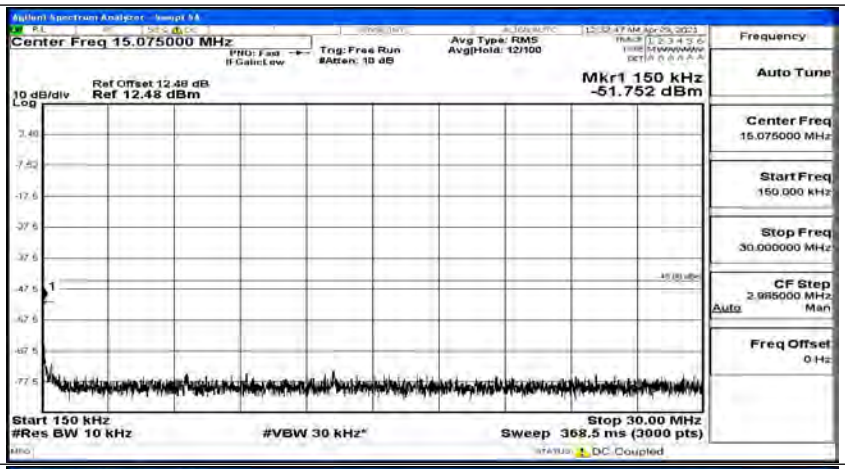
(Channel Bandwidth:15 MHz)_LCH_QPSK_1RB#0


(Channel Bandwidth:15 MHz)_LCH_QPSK_1RB#37



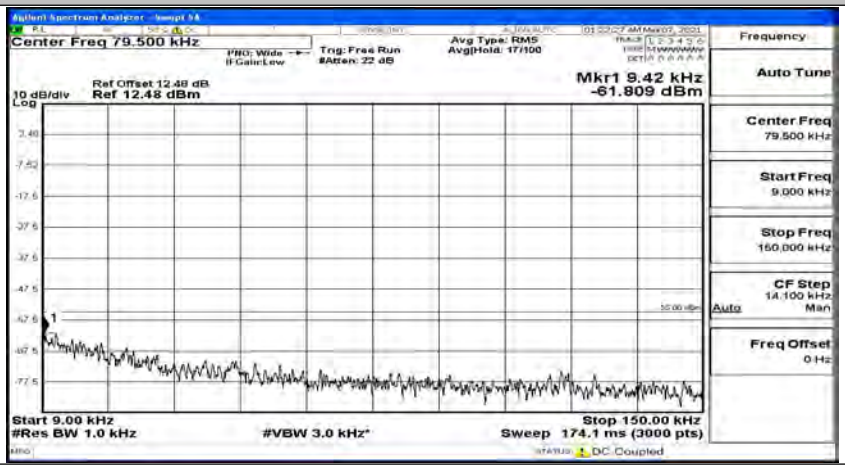


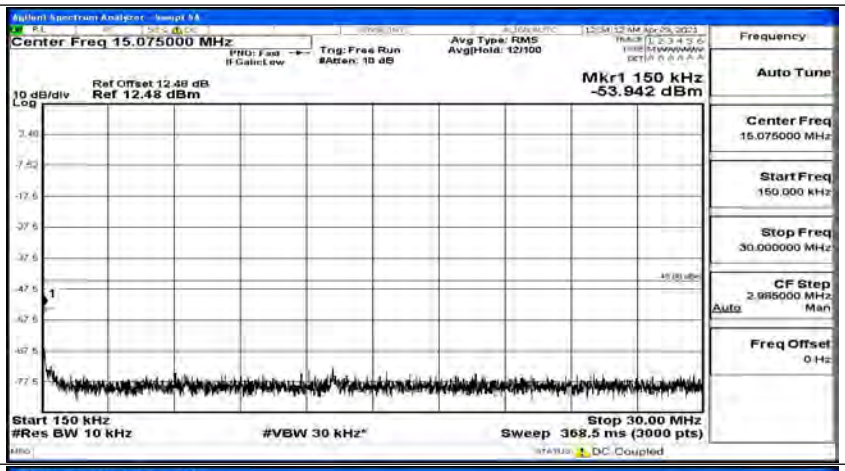
(Channel Bandwidth:15 MHz)_LCH_QPSK_1RB#74



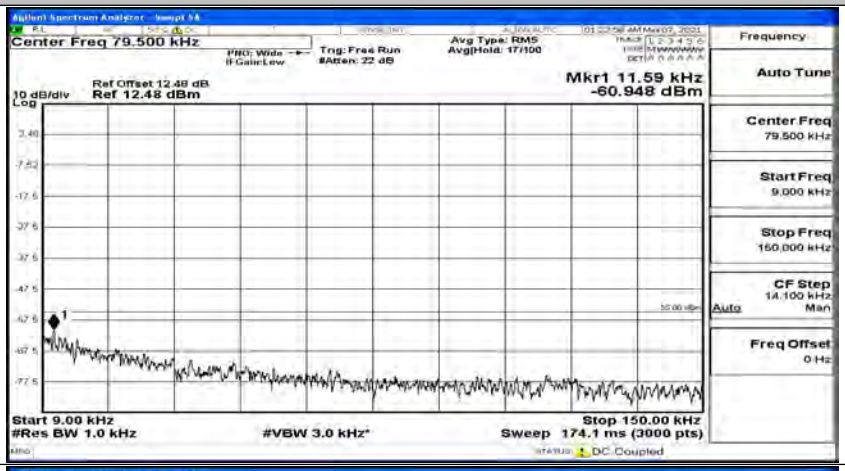


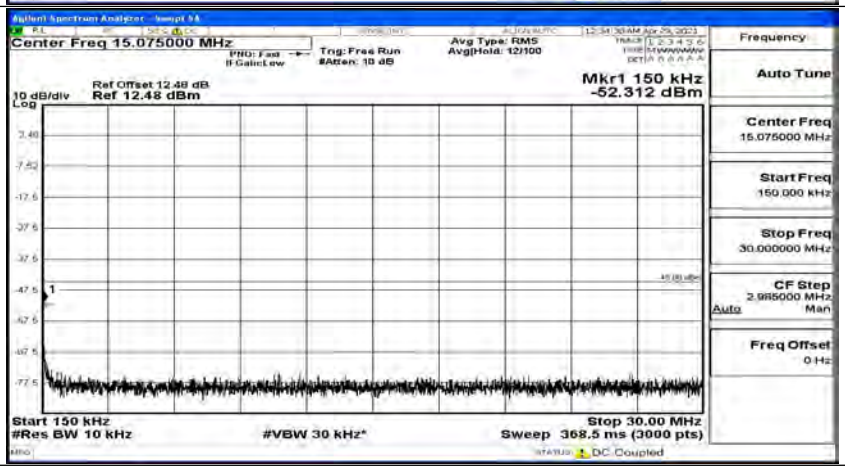
(Channel Bandwidth:15 MHz)_MCH_QPSK_1RB#0



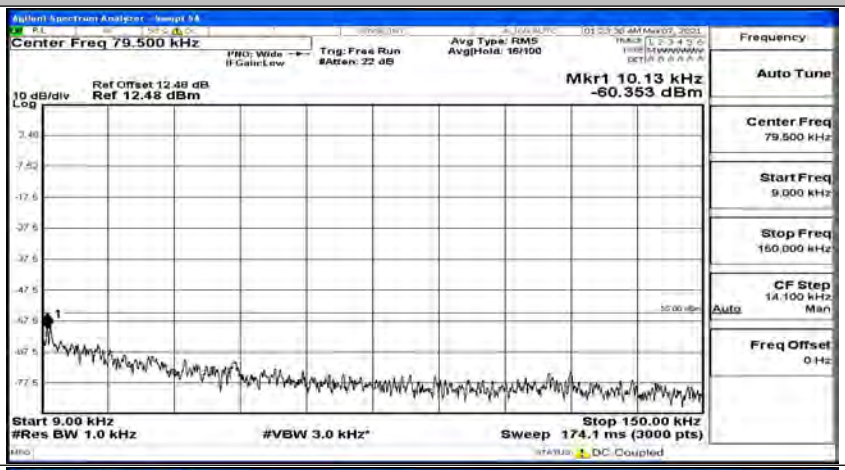


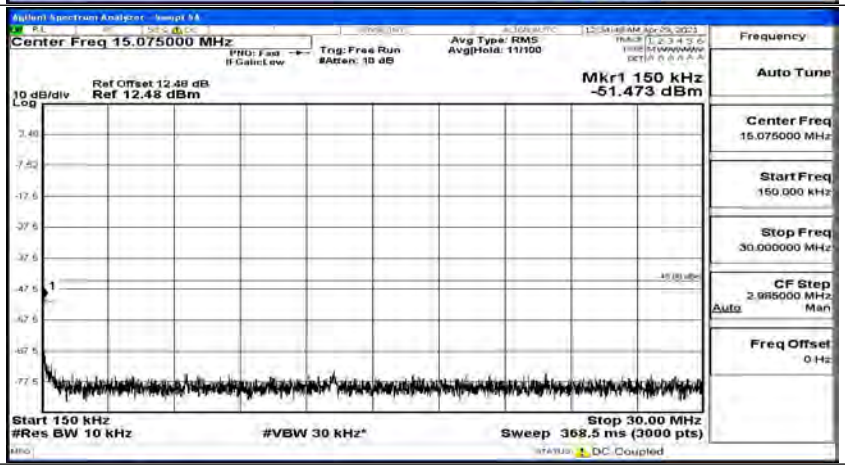
(Channel Bandwidth:15 MHz)_MCH_QPSK_1RB#37



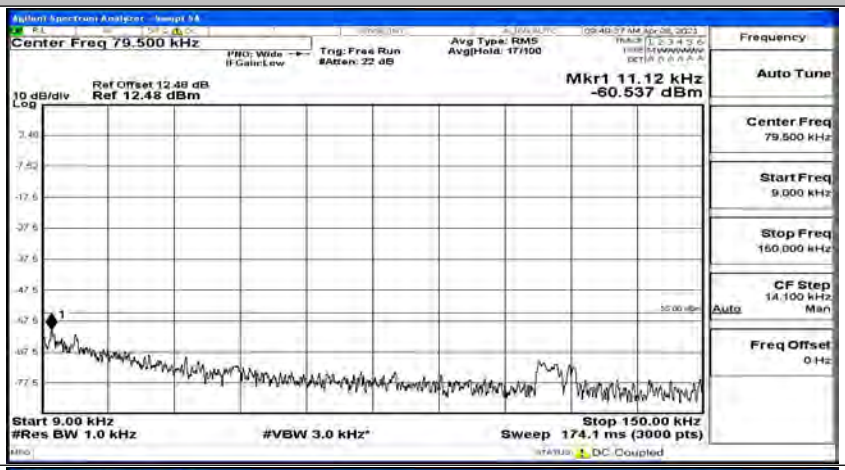


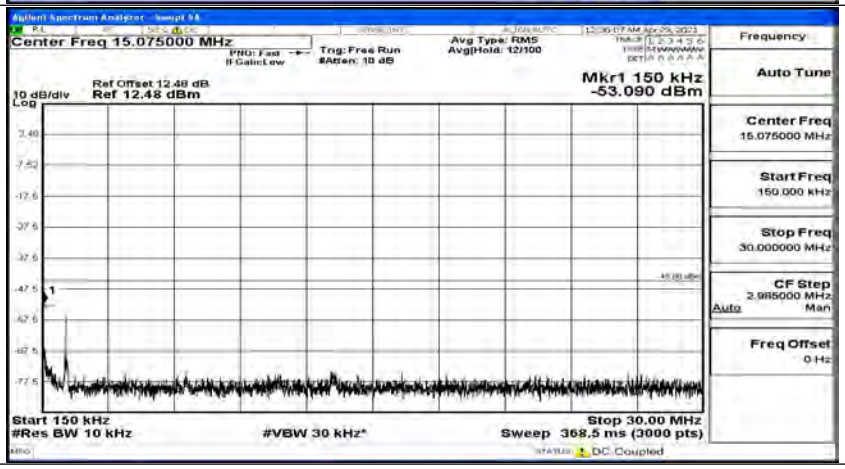
(Channel Bandwidth:15 MHz)_MCH_QPSK_1RB#74



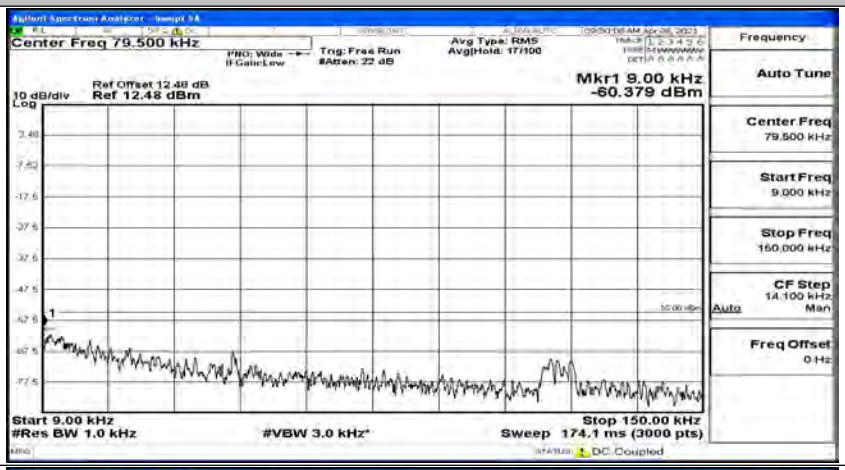


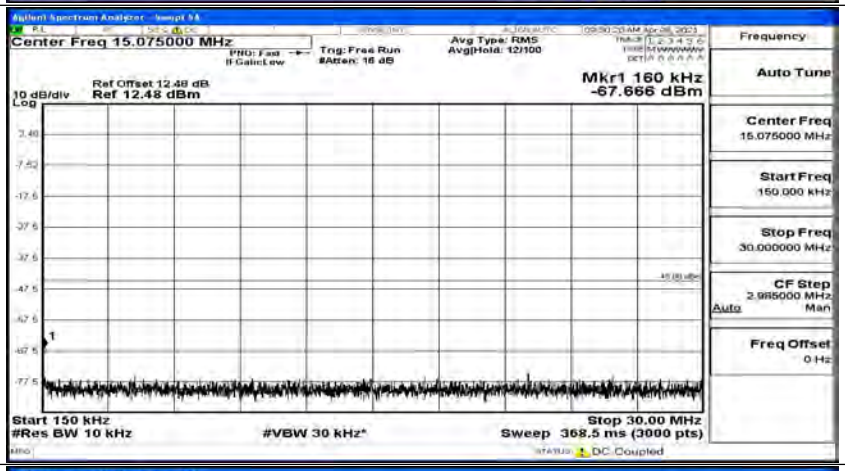
(Channel Bandwidth:15 MHz)_HCH_QPSK_1RB#0



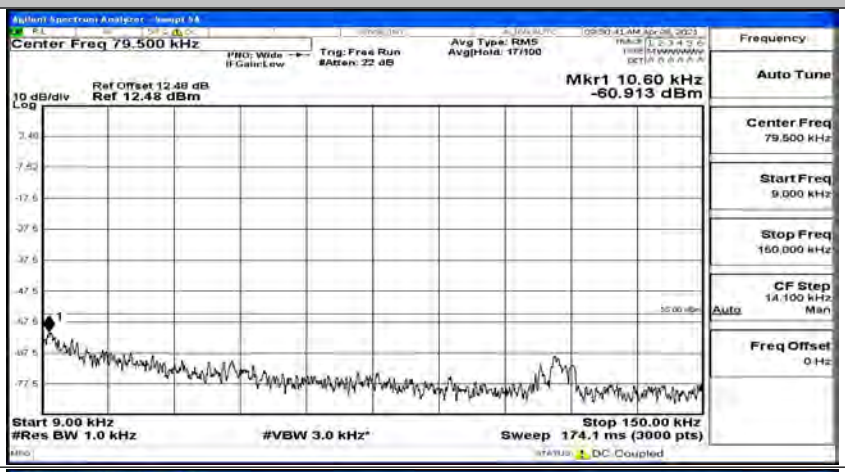


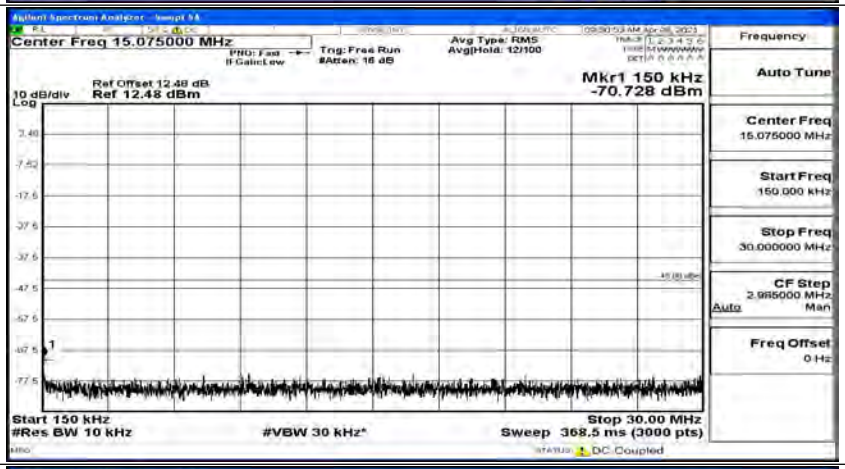
(Channel Bandwidth:15 MHz)_HCH_QPSK_1RB#37



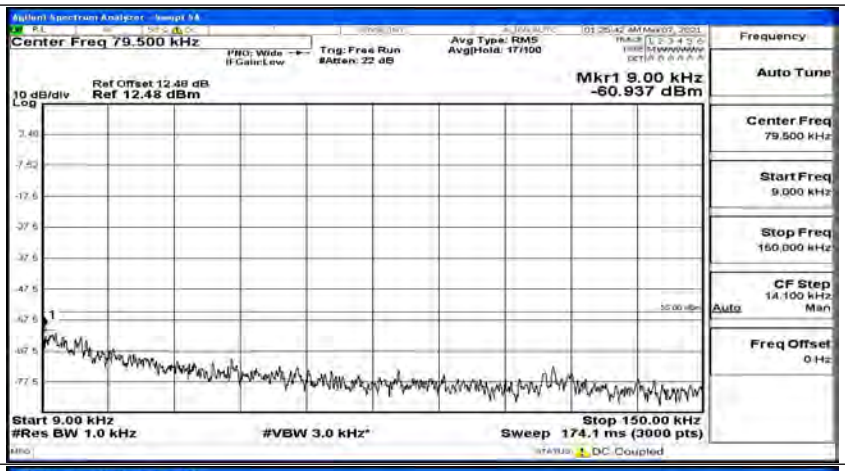


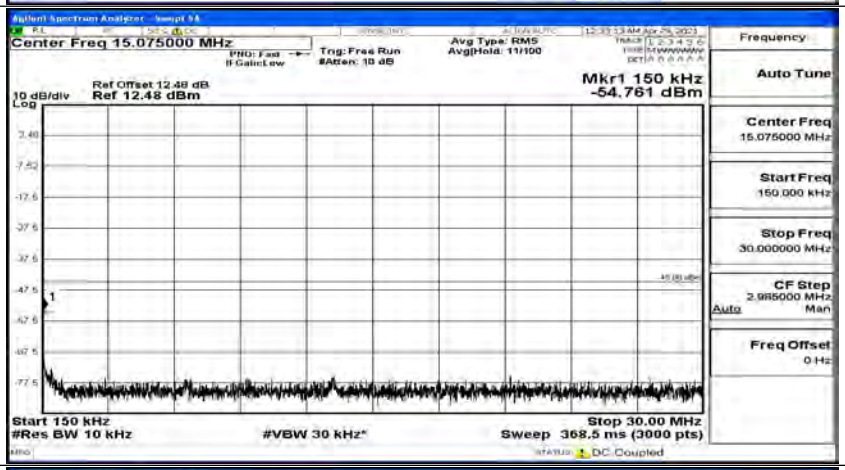
(Channel Bandwidth:15 MHz)_HCH_QPSK_1RB#74





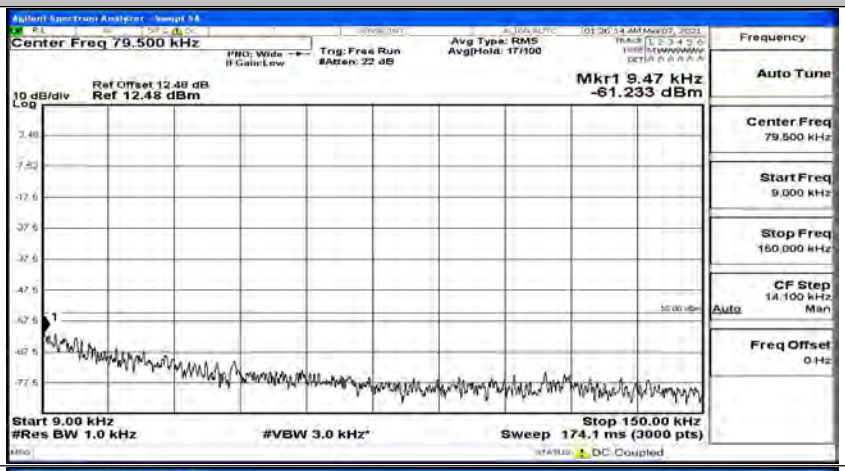
(Channel Bandwidth:15 MHz)_LCH_16QAM_1RB#0

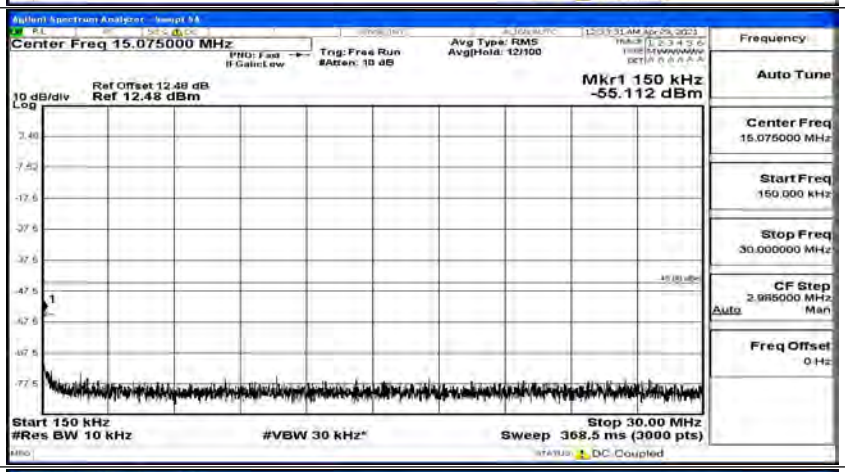

Agilent Spectrum Analyzer - Swept SA
Center Freq 79.500 kHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 22 dB
Avg Type: RMS
Avg|Hold: 17/100
Mkr1 9.00 kHz
-60.937 dBm
Ref Offset 12.48 dB
10 dB/div
Ref 12.48 dBm
Log
Start 9.00 kHz
#Res BW 1.0 kHz
#VBW 3.0 kHz*
Stop 150.00 kHz
Sweep 174.1 ms (3000 pts)
DC Coupled
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


Agilent Spectrum Analyzer - Swept SA
Center Freq 15.075000 MHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 10 dB
Avg Type: RMS
Avg|Hold: 11/100
Mkr1 150 kHz
-54.761 dBm
Ref Offset 12.48 dB
10 dB/div
Ref 12.48 dBm
Log
Start 150 kHz
#Res BW 10 kHz
#VBW 30 kHz*
Stop 30.00 MHz
Sweep 368.5 ms (3000 pts)
DC Coupled
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

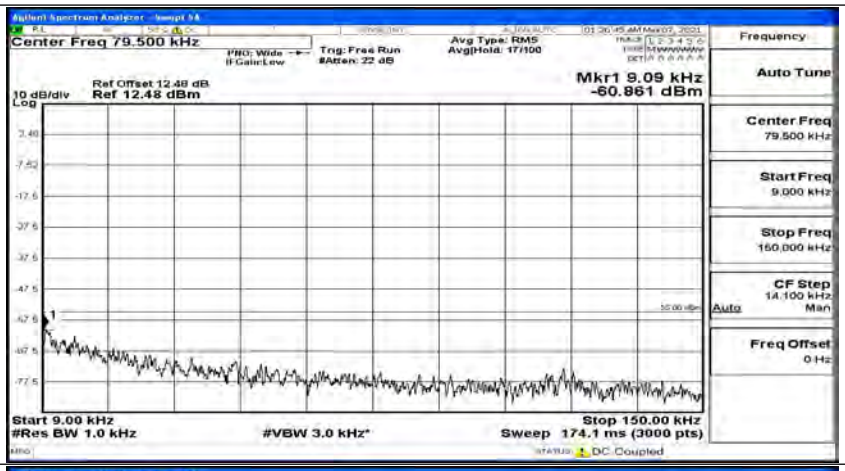
Agilent Spectrum Analyzer - Swept SA
Center Freq 13.015000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 40 dB
Avg Type: RMS
Avg|Hold: 10/100
Mkr2 25.766 GHz
-29.118 dBm
Ref Offset 8.05 dB
10 dB/div
Ref 30.00 dBm
Log
Start 30 MHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 26.00 GHz
Sweep 64.98 ms (3000 pts)
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

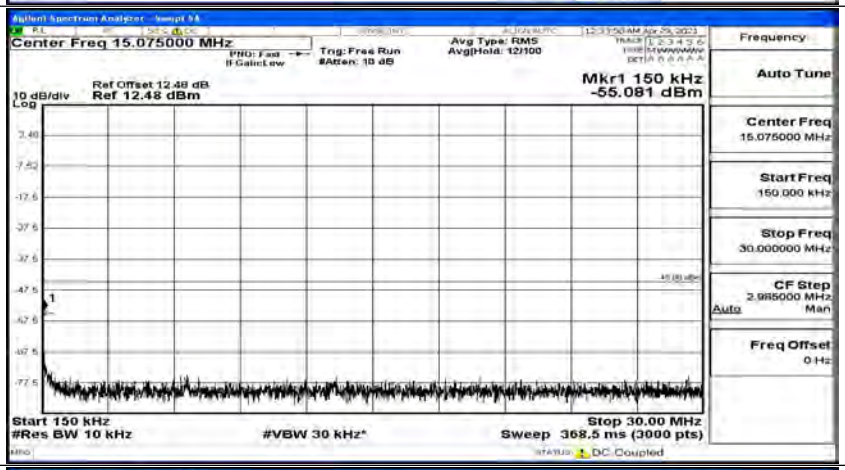
(Channel Bandwidth:15 MHz)_LCH_16QAM_1RB#37





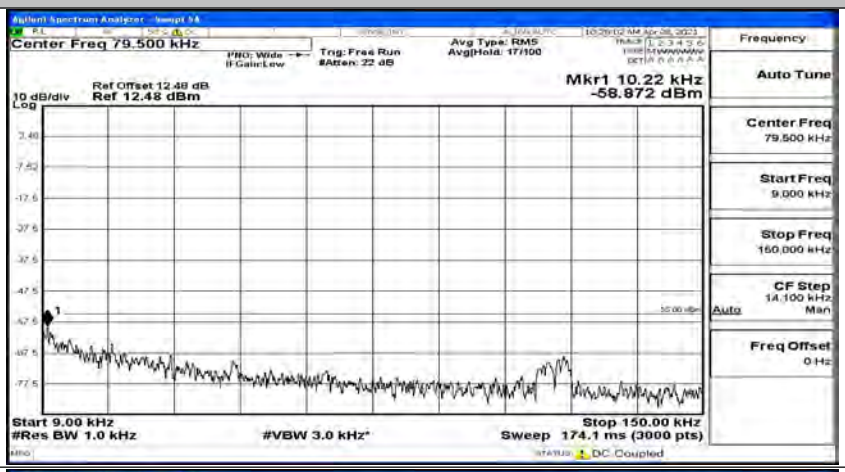
(Channel Bandwidth:15 MHz)_LCH_16QAM_1RB#74

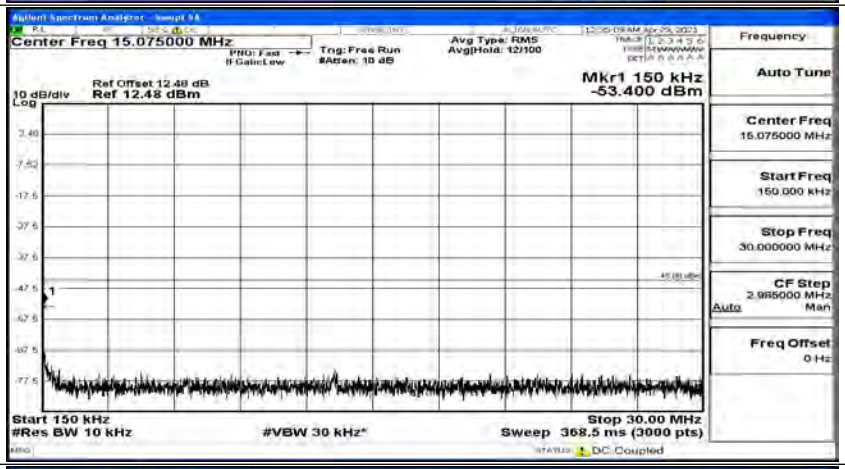

Agilent Spectrum Analyzer - Swept SA
Center Freq 79.500 kHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 22 dB
Avg Type: RMS
Avg|Hold: 17/100
Mkr1 9.09 kHz
-60.861 dBm
Ref Offset 12.48 dB
10 dB/div
Ref 12.48 dBm
Log
Start 9.00 kHz
#Res BW 1.0 kHz
#VBW 3.0 kHz*
Stop 150.00 kHz
Sweep 174.1 ms (3000 pts)
DC Coupled
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


Agilent Spectrum Analyzer - Swept SA
Center Freq 15.075000 MHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 10 dB
Avg Type: RMS
Avg|Hold: 12/100
Mkr1 150 kHz
-55.081 dBm
Ref Offset 12.48 dB
10 dB/div
Ref 12.48 dBm
Log
Start 150 kHz
#Res BW 10 kHz
#VBW 30 kHz*
Stop 30.00 MHz
Sweep 368.5 ms (3000 pts)
DC Coupled
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

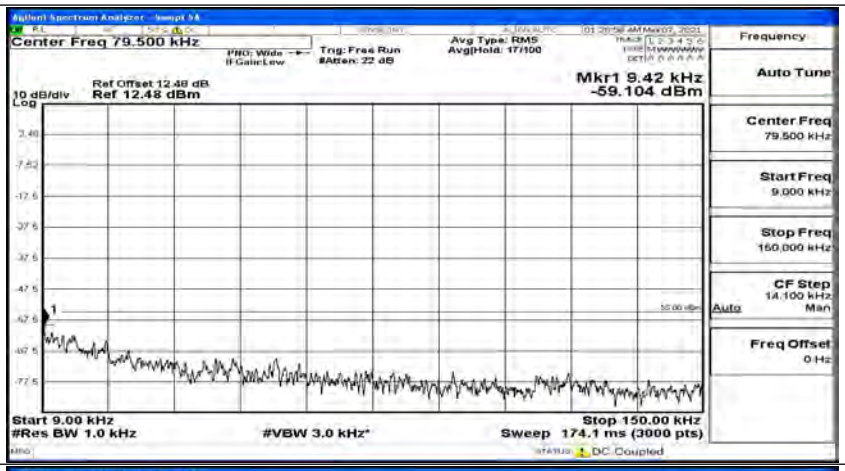
Agilent Spectrum Analyzer - Swept SA
Center Freq 13.015000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 40 dB
Avg Type: RMS
Avg|Hold: 10/100
Mkr2 25.775 GHz
-29.162 dBm
Ref Offset 8.05 dB
10 dB/div
Ref 30.00 dBm
Log
Start 30 MHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 26.00 GHz
Sweep 64.98 ms (3000 pts)
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

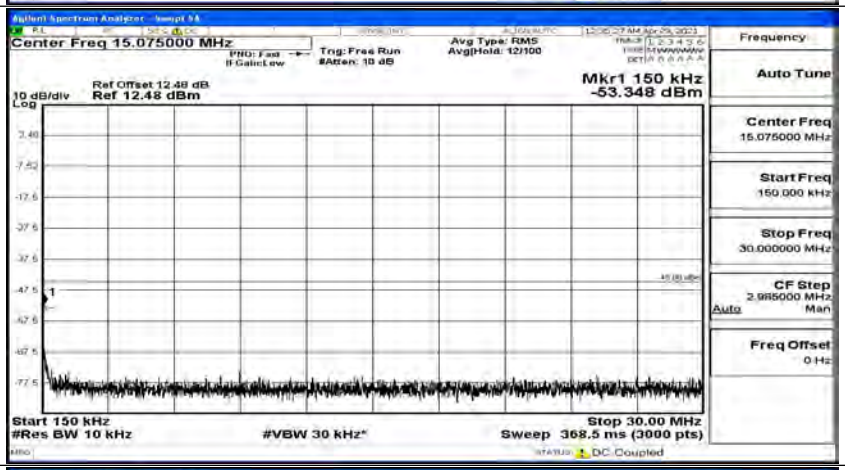
(Channel Bandwidth:15 MHz)_MCH_16QAM_1RB#0



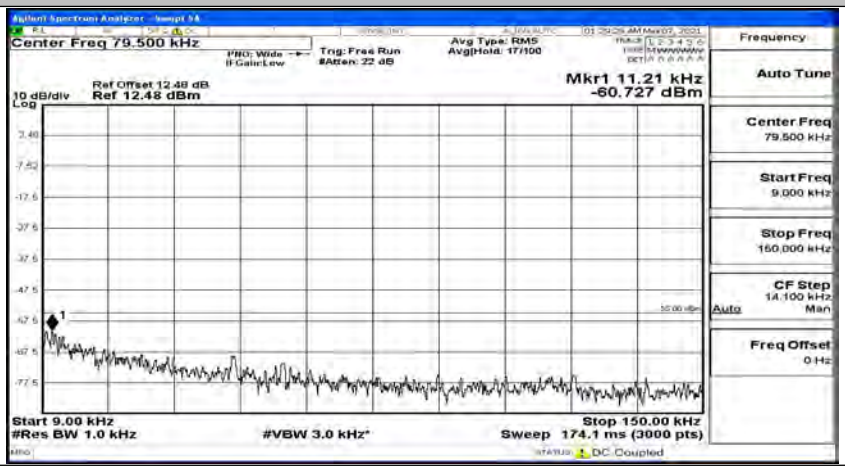


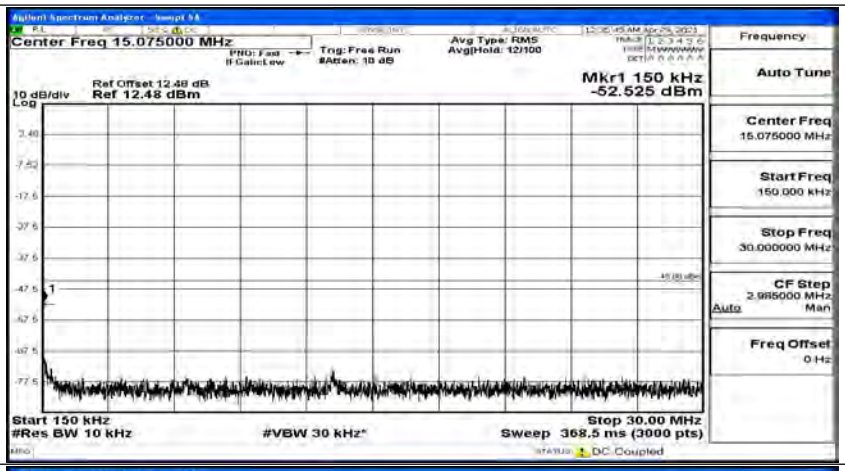
(Channel Bandwidth:15 MHz)_MCH_16QAM_1RB#37



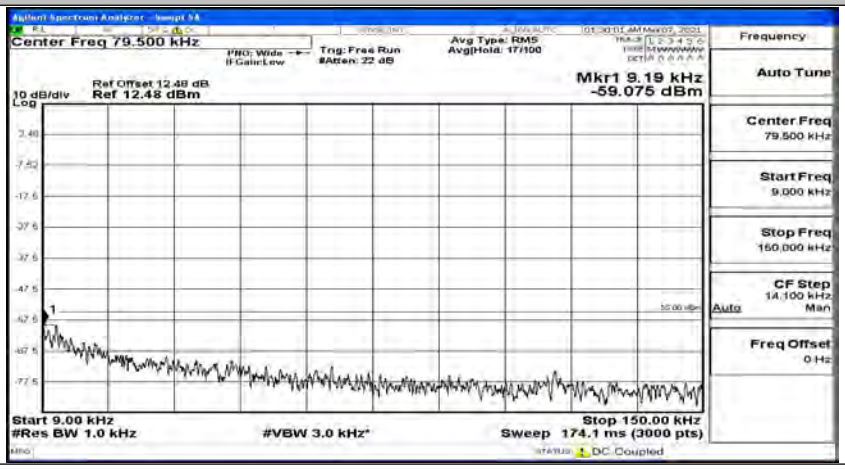


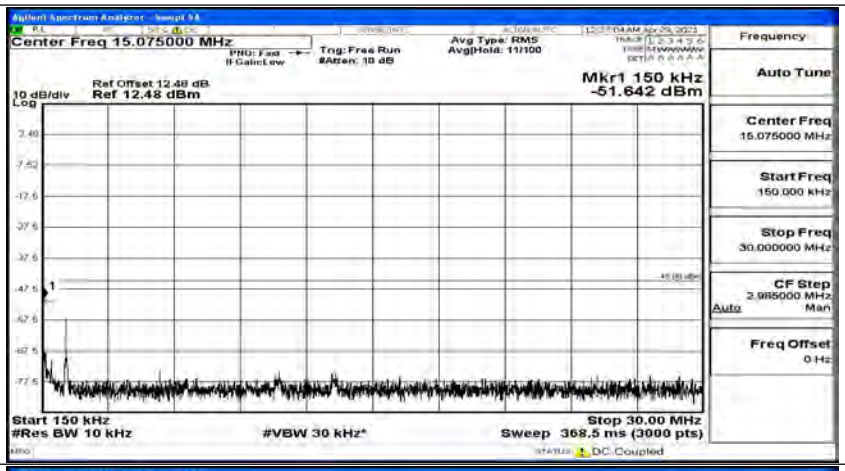
(Channel Bandwidth:15 MHz)_MCH_16QAM_1RB#74



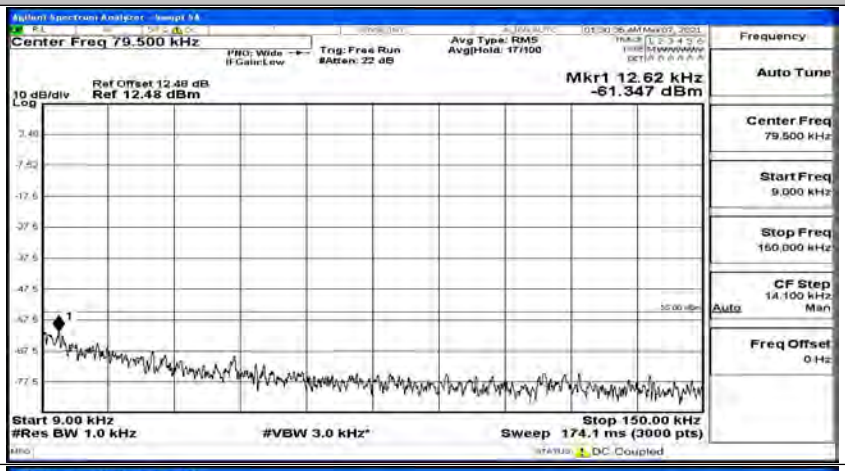


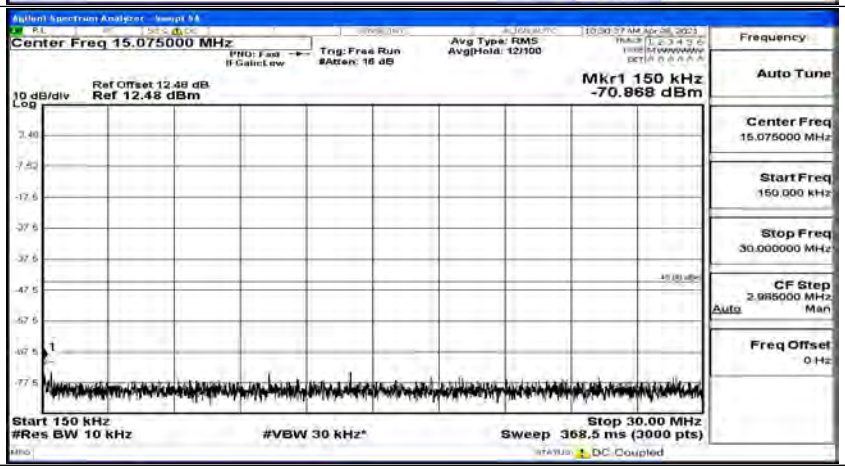
(Channel Bandwidth:15 MHz)_HCH_16QAM_1RB#0



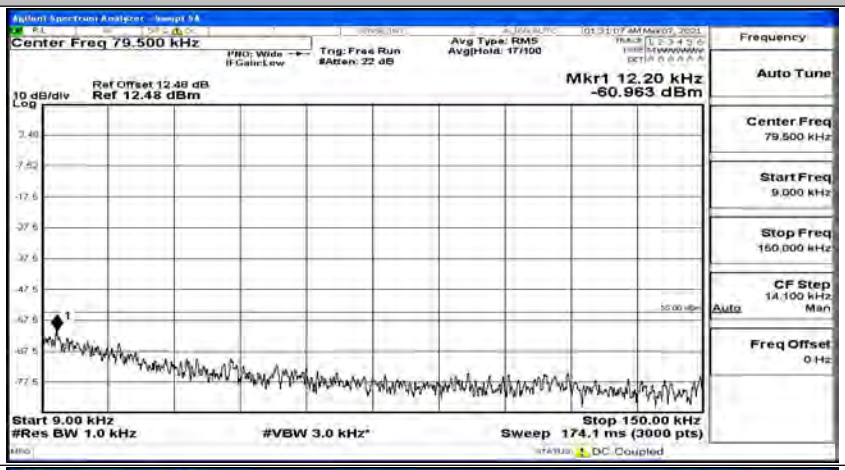


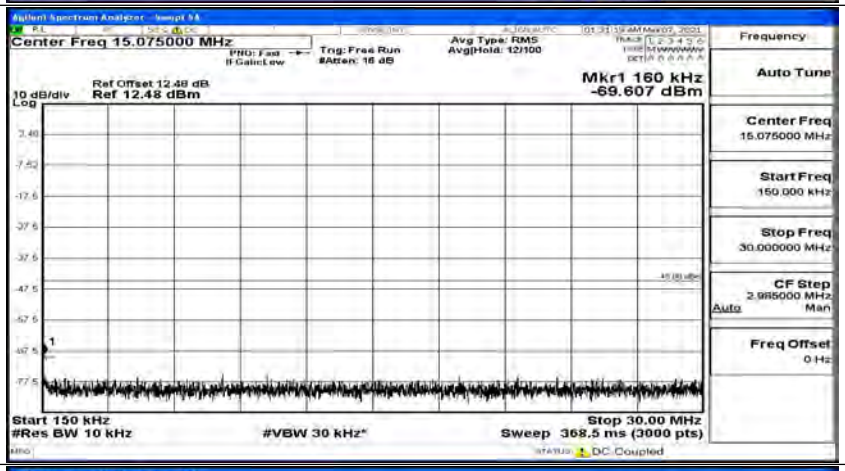
(Channel Bandwidth:15 MHz)_HCH_16QAM_1RB#37





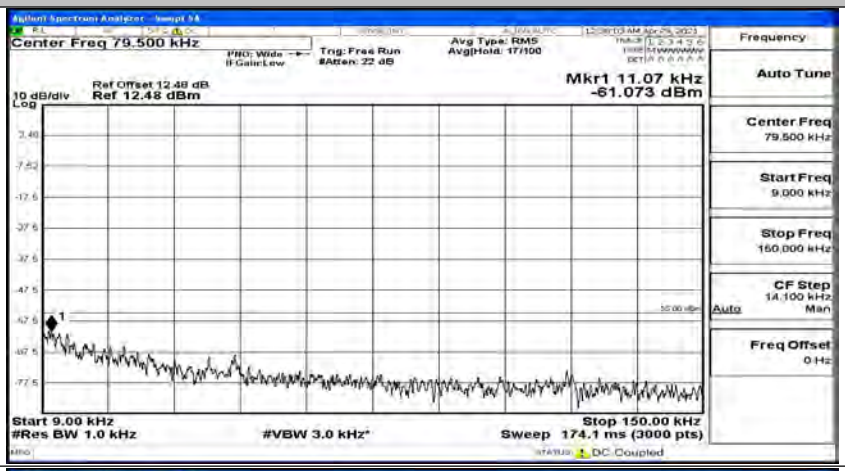
(Channel Bandwidth:15 MHz)_HCH_16QAM_1RB#74

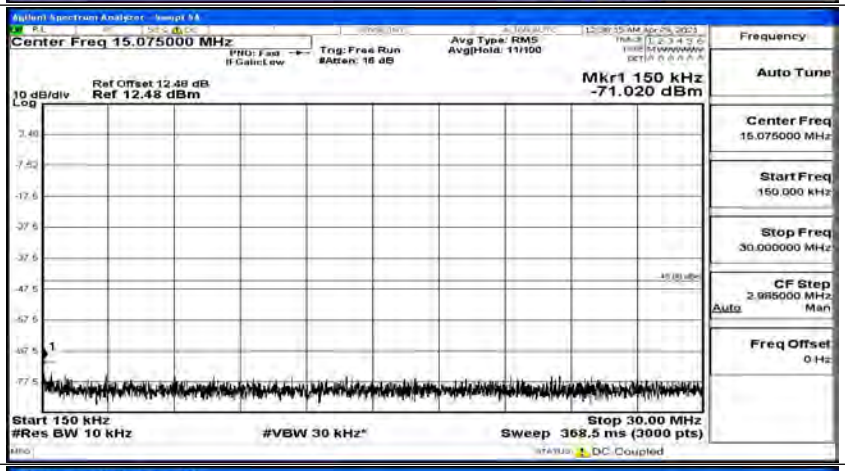




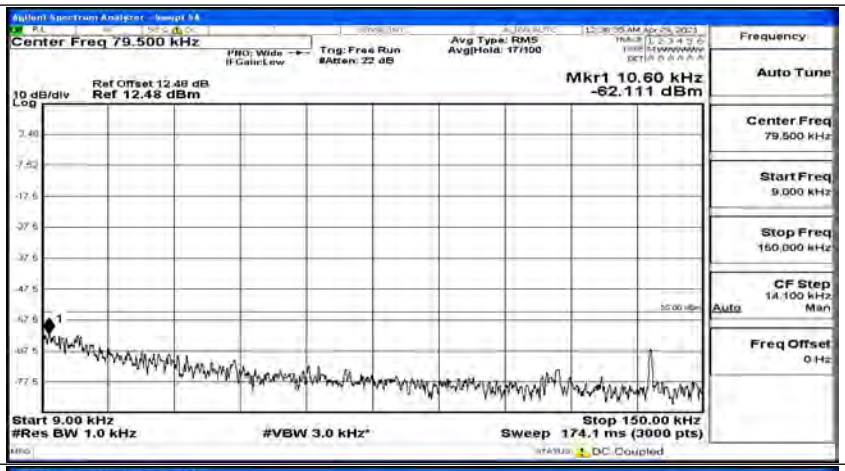
Channel Bandwidth: 20 MHz

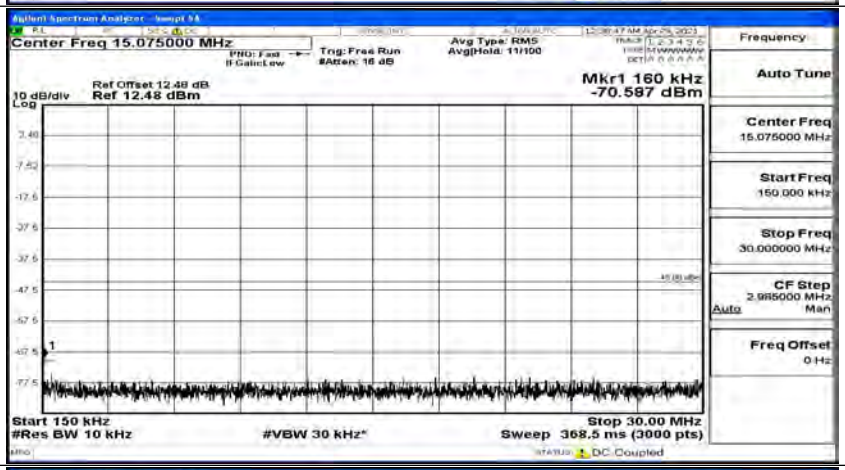
(Channel Bandwidth:20 MHz)_LCH_QPSK_1RB#0



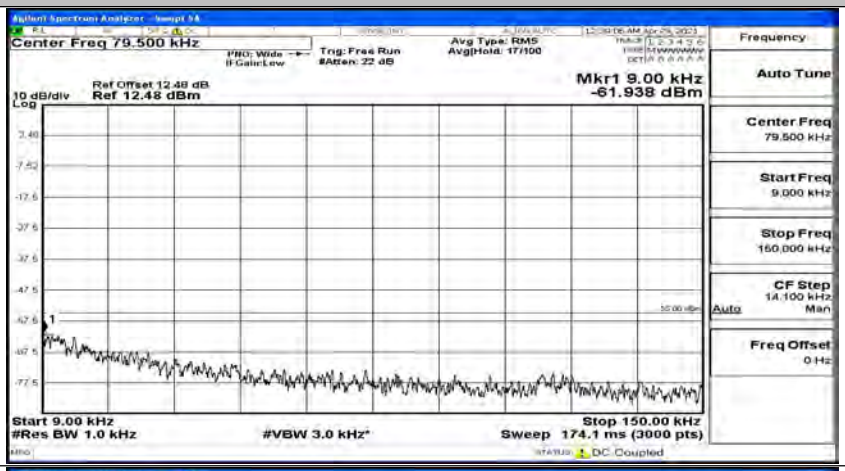
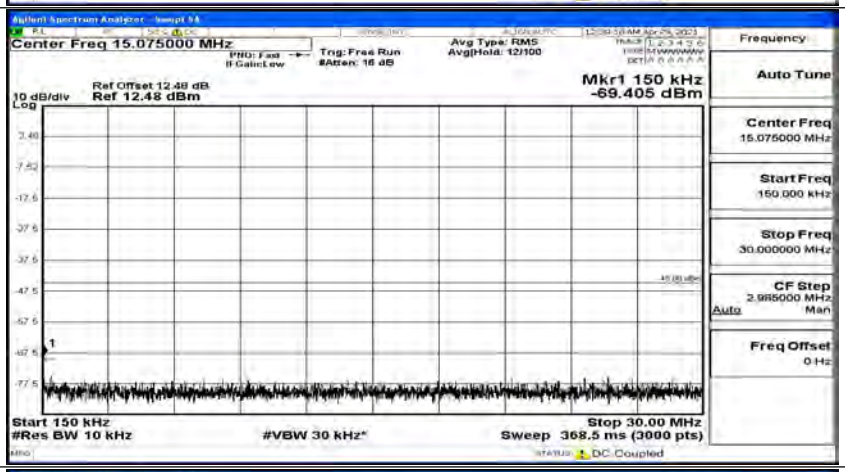


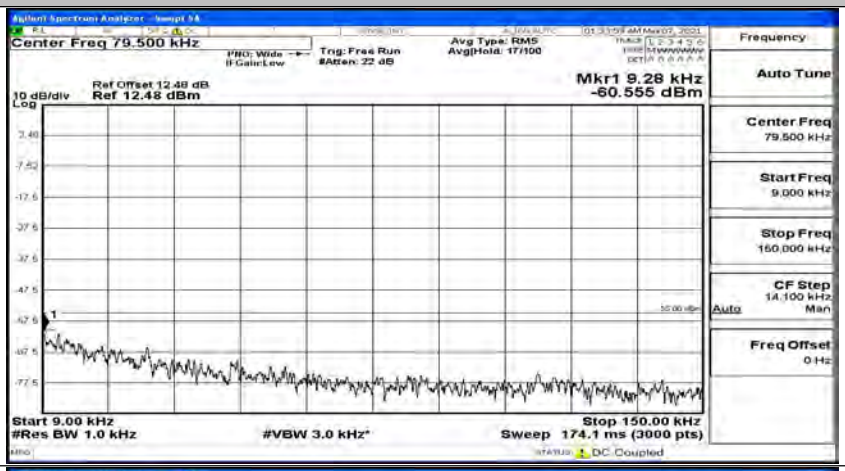
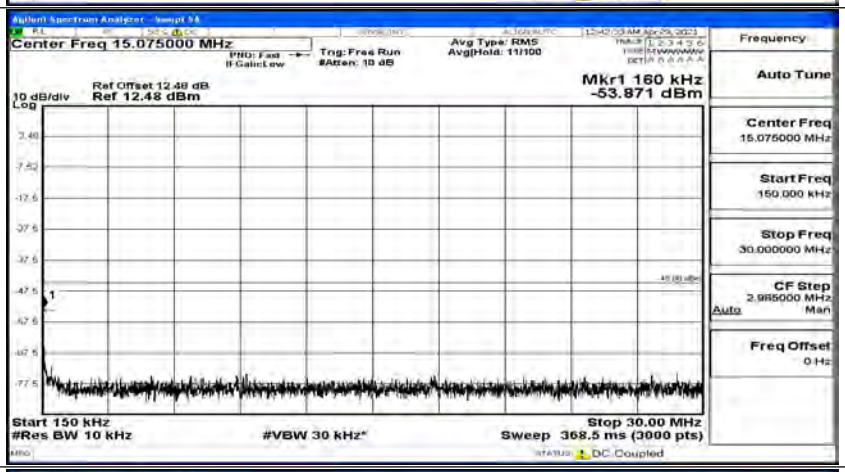
(Channel Bandwidth:20 MHz)_LCH_QPSK_1RB#49


Agilent Spectrum Analyzer - Swept SA
Center Freq 79.500 kHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 22 dB
Avg Type: RMS
Avg|Hold: 17/100
Mkr1 10.60 kHz
-62.111 dBm
Ref Offset 12.48 dB
10 dB/div
Log
Ref 12.48 dBm
Start 9.00 kHz
#Res BW 1.0 kHz
#VBW 3.0 kHz*
Stop 150.00 kHz
Sweep 174.1 ms (3000 pts)
DC Coupled
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

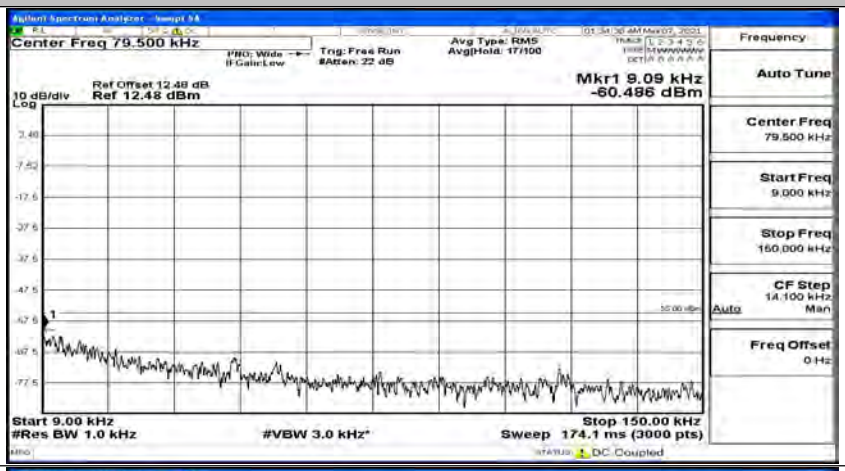

Agilent Spectrum Analyzer - Swept SA
Center Freq 15.075000 MHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 16 dB
Avg Type: RMS
Avg|Hold: 11/100
Mkr1 160 kHz
-70.587 dBm
Ref Offset 12.48 dB
10 dB/div
Log
Ref 12.48 dBm
Start 150 kHz
#Res BW 10 kHz
#VBW 30 kHz*
Stop 30.00 MHz
Sweep 368.5 ms (3000 pts)
DC Coupled
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

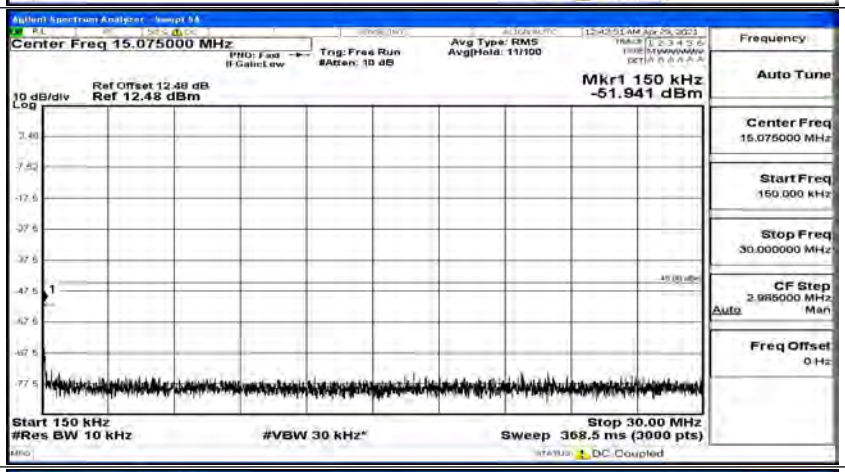
Agilent Spectrum Analyzer - Swept SA
Center Freq 13.015000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 40 dB
Avg Type: RMS
Avg|Hold: 11/100
Mkr2 25.680 GHz
-29.549 dBm
Ref Offset 8.05 dB
10 dB/div
Log
Ref 30.00 dBm
Start 30 MHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 26.00 GHz
Sweep 64.98 ms (3000 pts)
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:20 MHz)_LCH_QPSK_1RB#99



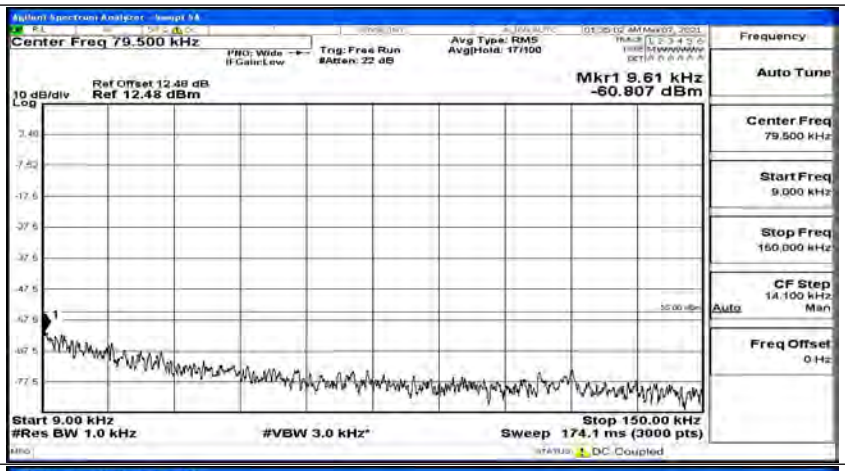
(Channel Bandwidth:20 MHz)_MCH_QPSK_1RB#0



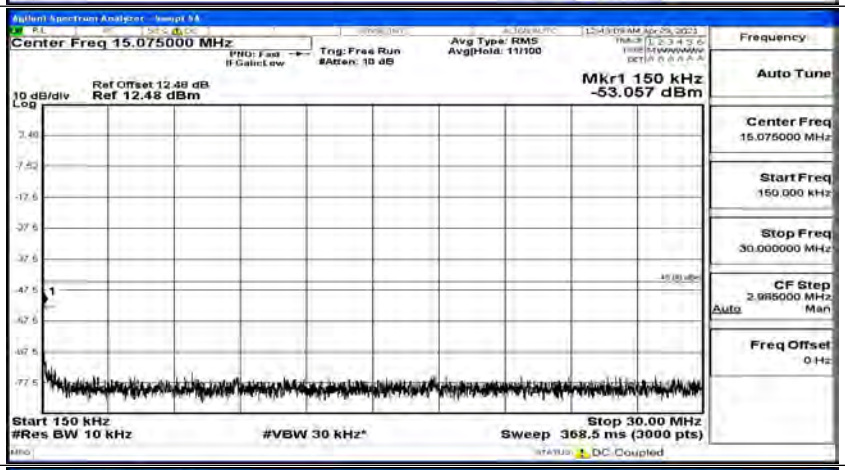
(Channel Bandwidth:20 MHz)_MCH_QPSK_1RB#49



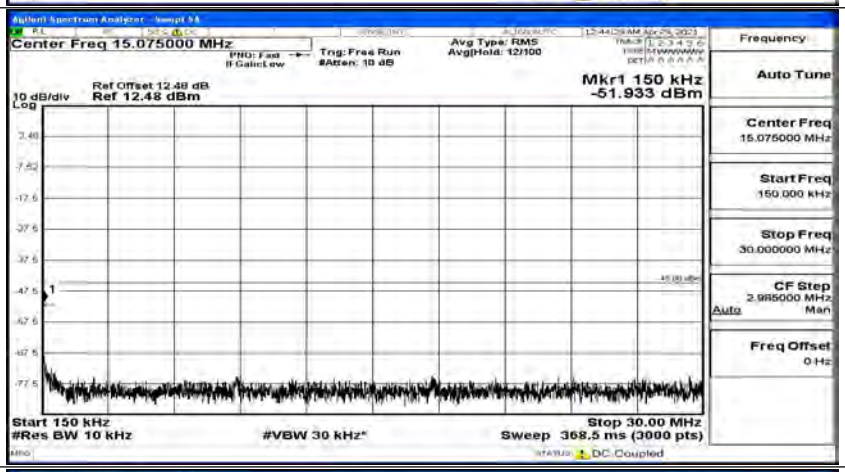


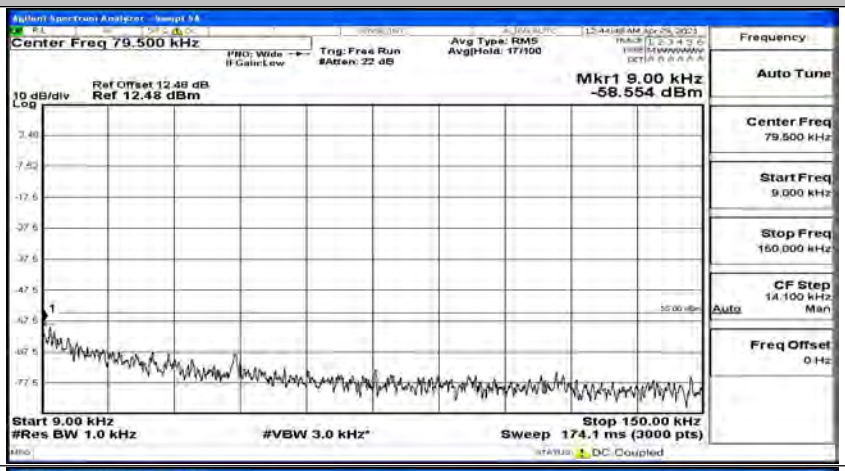
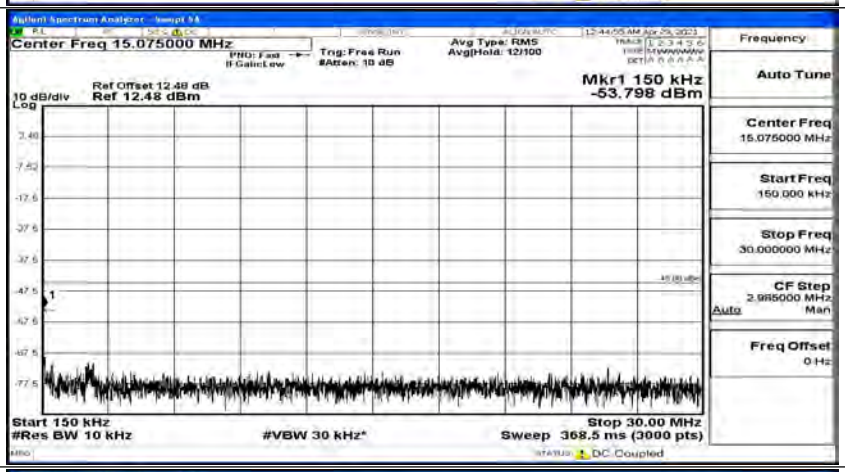
(Channel Bandwidth:20 MHz)_MCH_QPSK_1RB#99

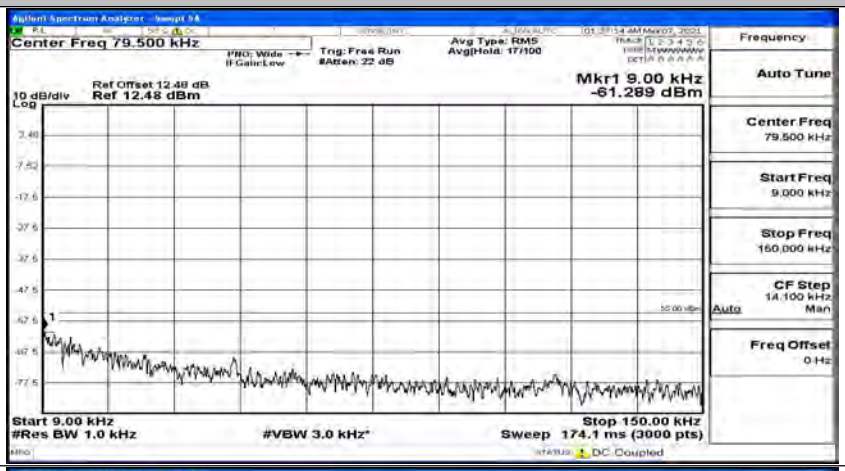
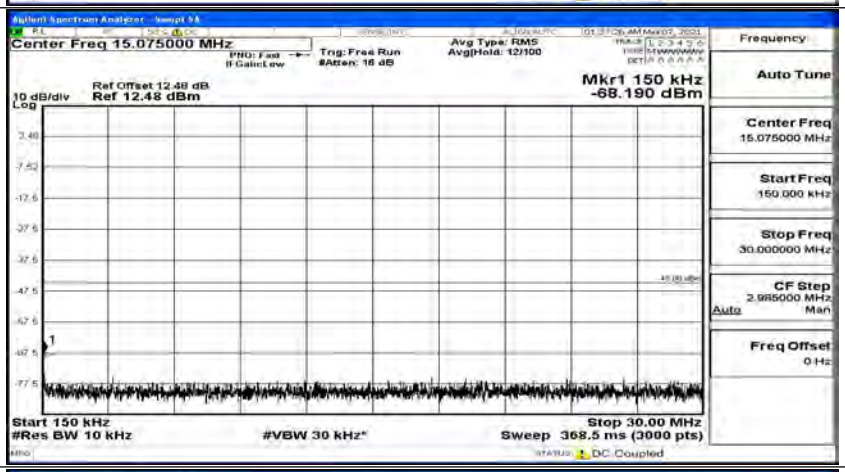

Agilent Spectrum Analyzer - Swept SA
Center Freq 79.500 kHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 22 dB
Avg Type: RMS
Avg|Hold: 17/100
Mkr1 9.61 kHz
-60.807 dBm
Ref Offset 12.48 dB
10 dB/div
Ref 12.48 dBm
Log
Start 9.00 kHz
#Res BW 1.0 kHz
#VBW 3.0 kHz*
Stop 150.00 kHz
Sweep 174.1 ms (3000 pts)
DC Coupled
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

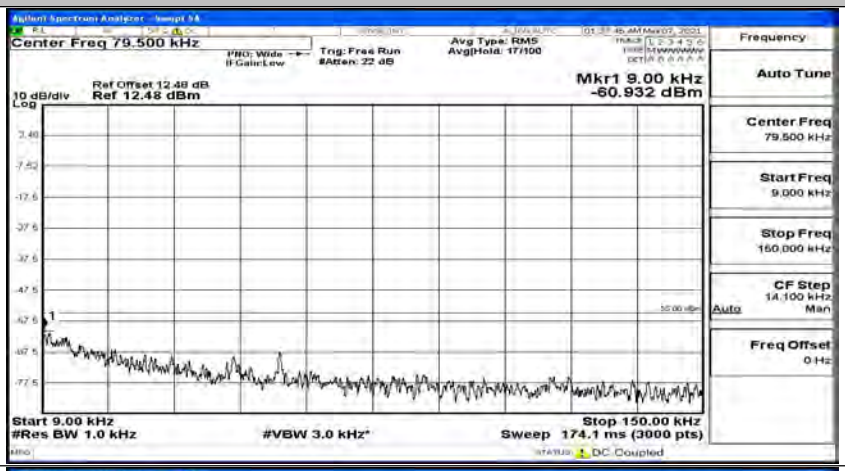
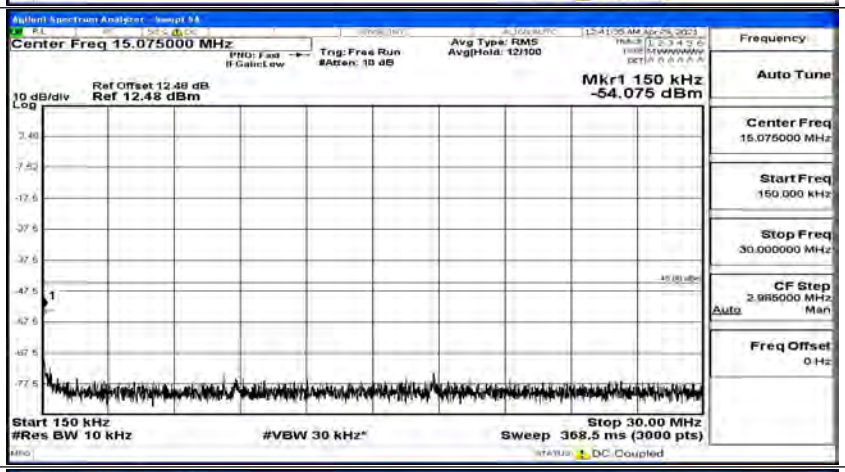

Agilent Spectrum Analyzer - Swept SA
Center Freq 15.075000 MHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 10 dB
Avg Type: RMS
Avg|Hold: 11/100
Mkr1 150 kHz
-53.057 dBm
Ref Offset 12.48 dB
10 dB/div
Ref 12.48 dBm
Log
Start 150 kHz
#Res BW 10 kHz
#VBW 30 kHz*
Stop 30.00 MHz
Sweep 368.5 ms (3000 pts)
DC Coupled
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

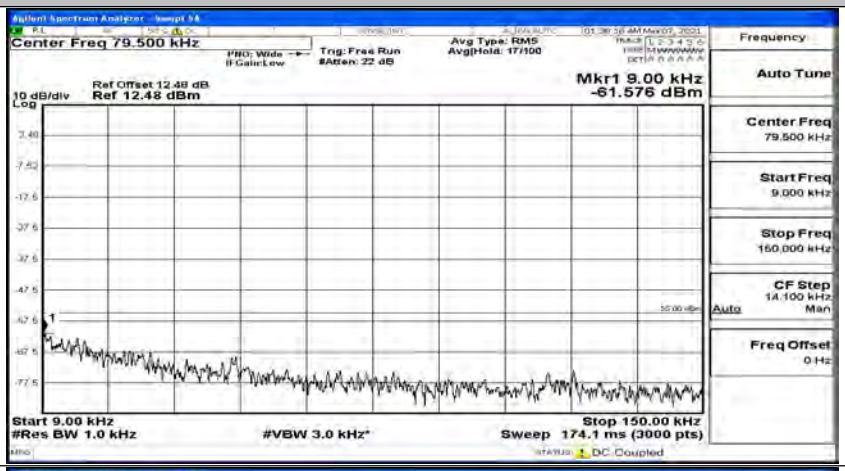
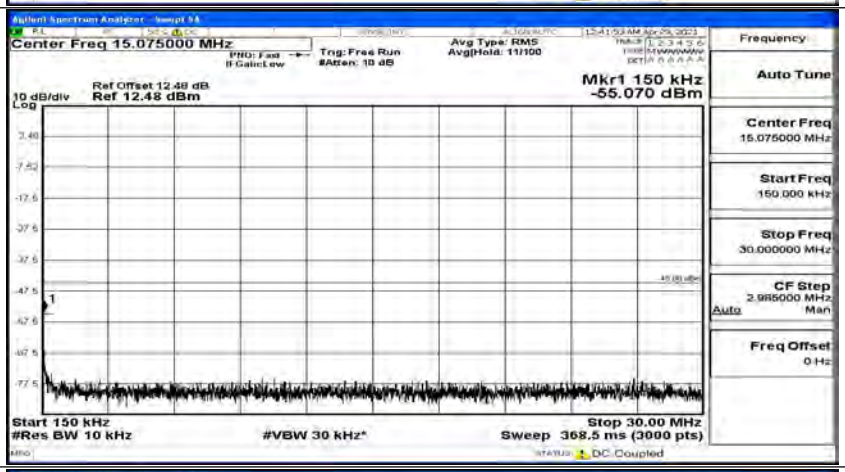
Agilent Spectrum Analyzer - Swept SA
Center Freq 13.015000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 40 dB
Avg Type: RMS
Avg|Hold: 11/100
Mkr2 25.965 GHz
-29.265 dBm
Ref Offset 8.05 dB
10 dB/div
Ref 30.00 dBm
Log
Start 30 MHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 26.00 GHz
Sweep 64.98 ms (3000 pts)
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

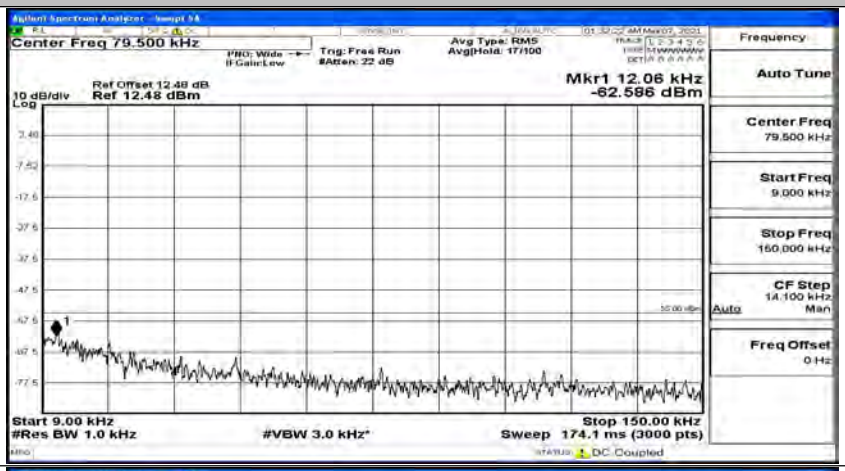
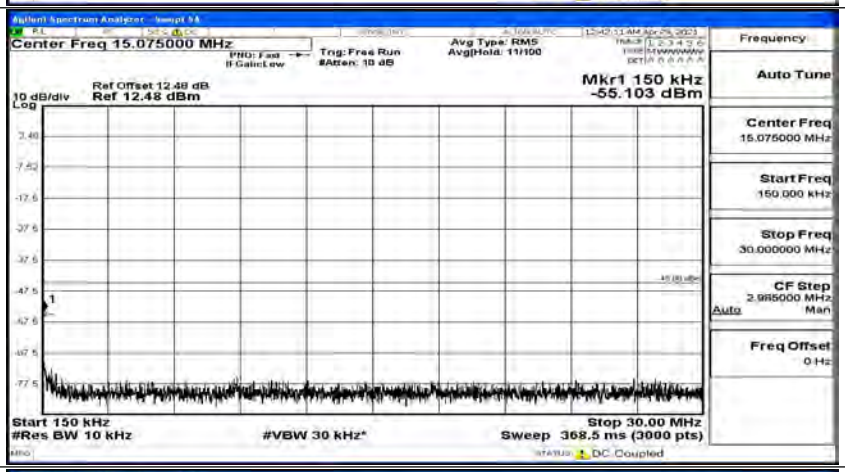
(Channel Bandwidth:20 MHz)_HCH_QPSK_1RB#0


(Channel Bandwidth:20 MHz)_HCH_QPSK_1RB#49



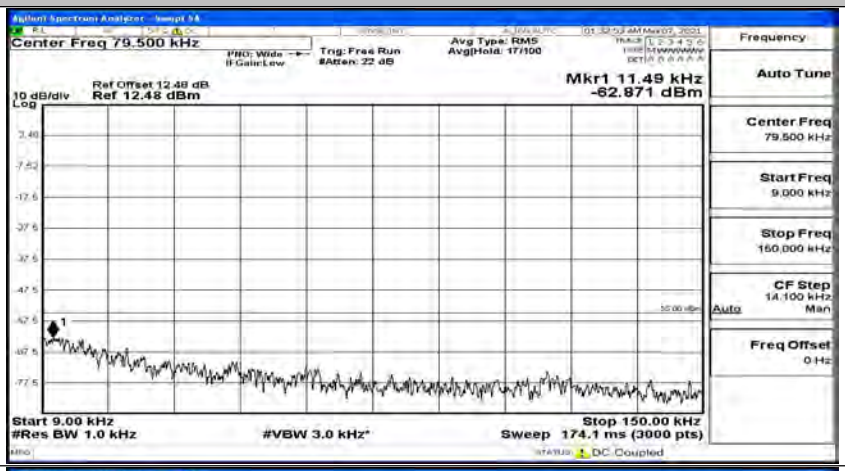
(Channel Bandwidth:20 MHz)_HCH_QPSK_1RB#99



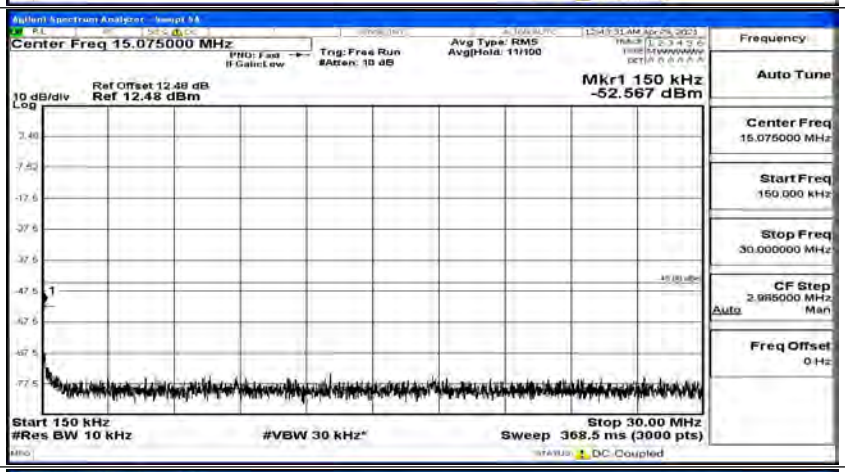
(Channel Bandwidth:20 MHz)_LCH_16QAM_1RB#0



(Channel Bandwidth:20 MHz)_LCH_16QAM_1RB#49



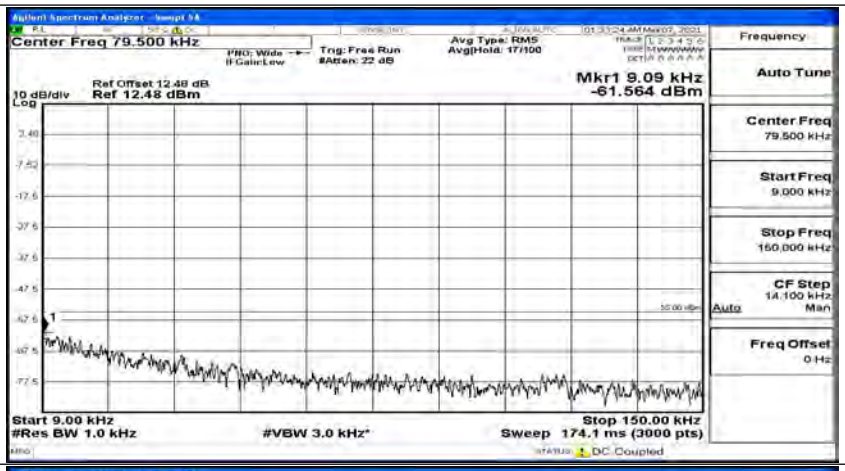
(Channel Bandwidth:20 MHz)_LCH_16QAM_1RB#99



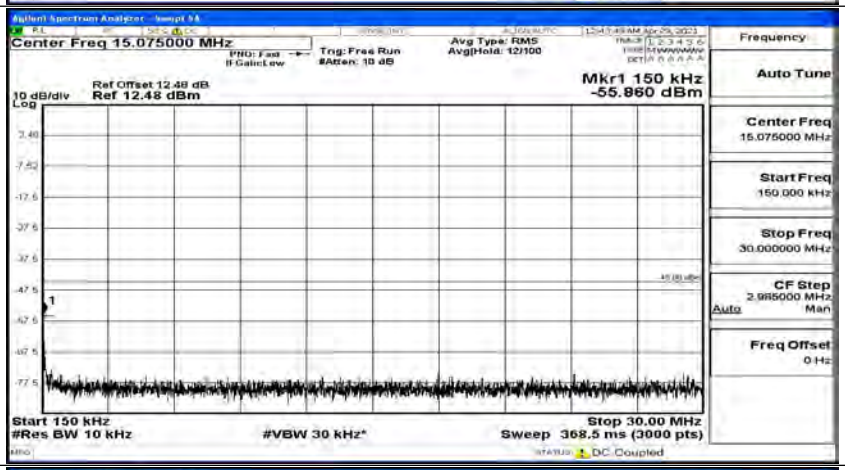
(Channel Bandwidth:20 MHz)_MCH_16QAM_1RB#0



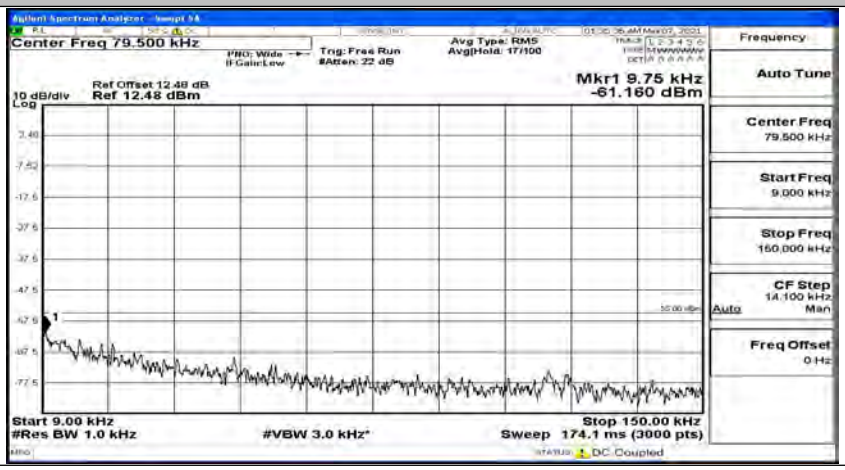


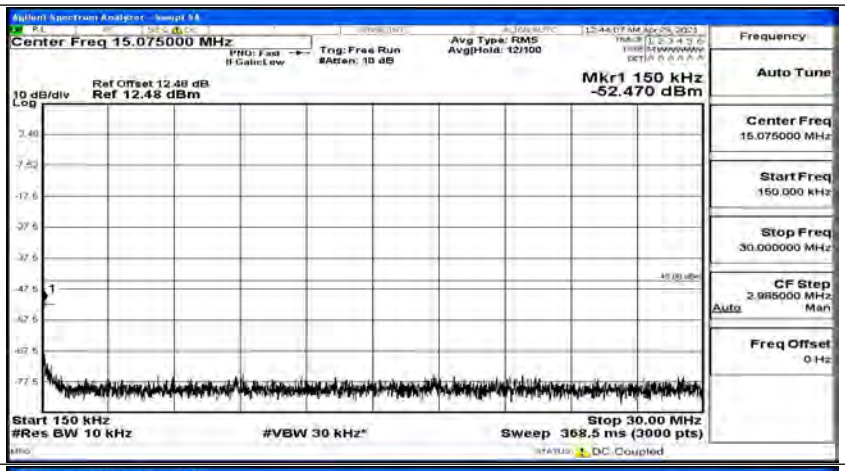
(Channel Bandwidth:20 MHz)_MCH_16QAM_1RB#49



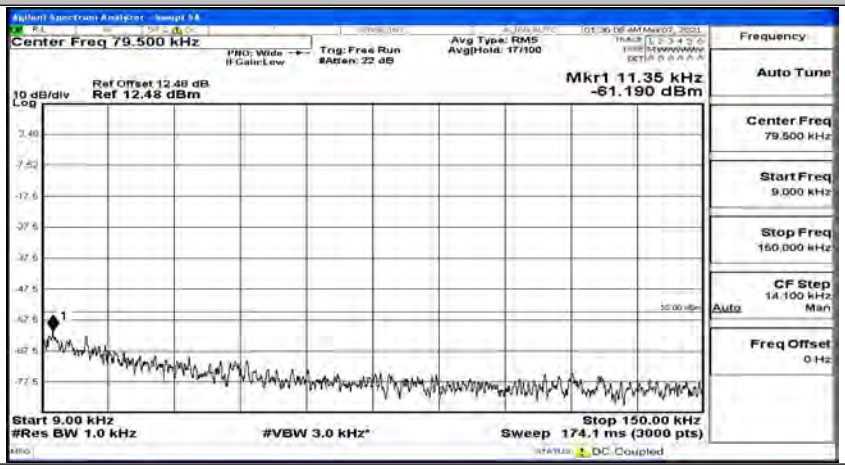


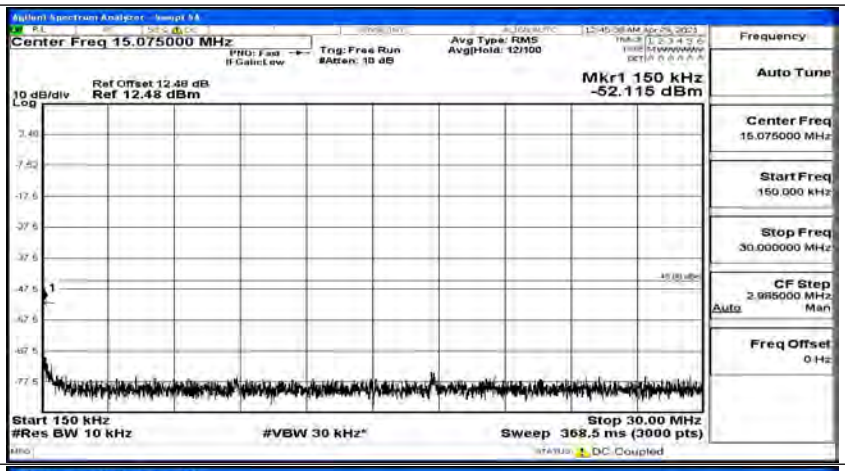
(Channel Bandwidth:20 MHz)_MCH_16QAM_1RB#99



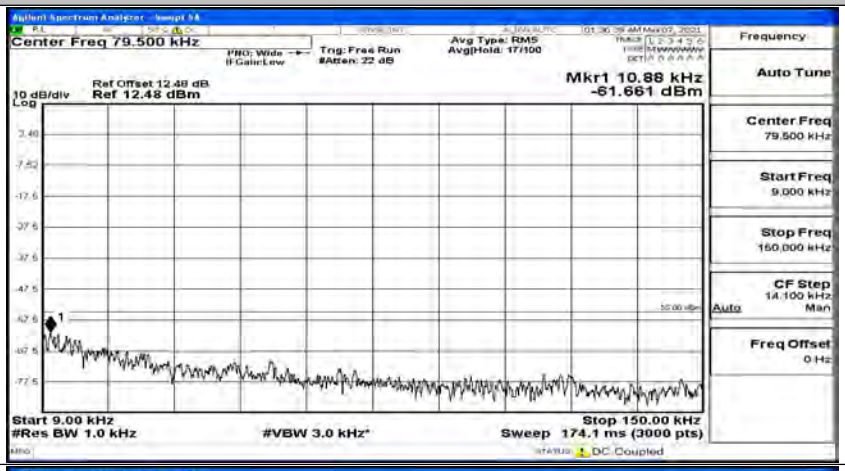


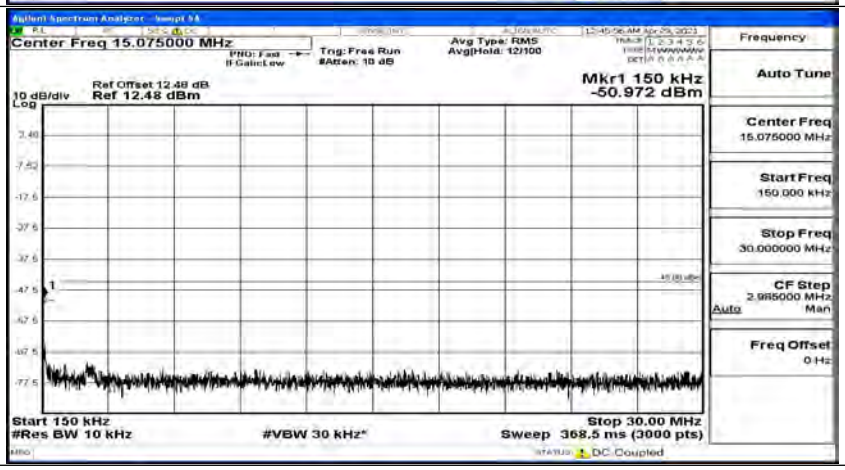
(Channel Bandwidth:20 MHz)_HCH_16QAM_1RB#0



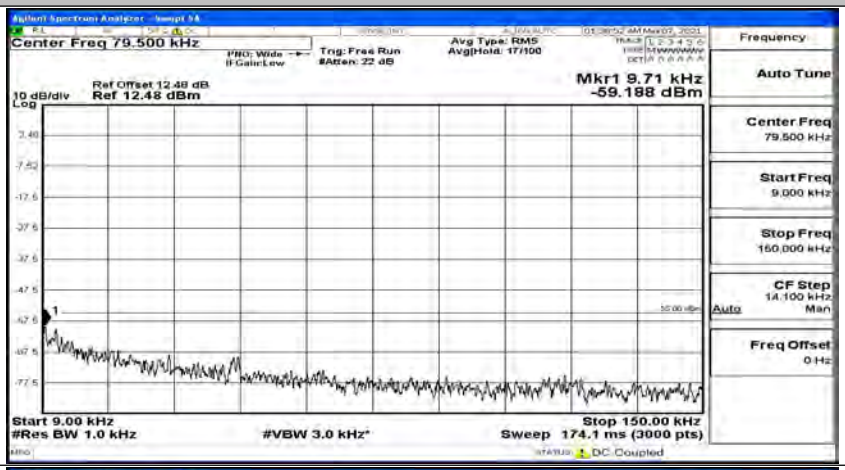


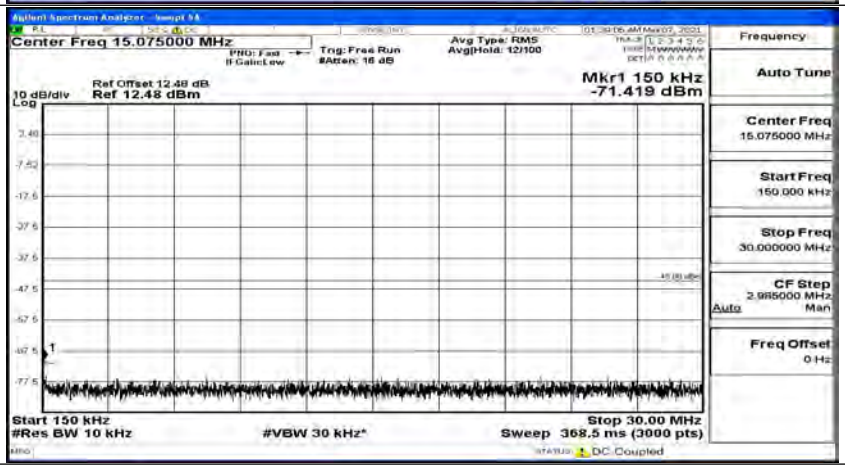
(Channel Bandwidth:20 MHz)_HCH_16QAM_1RB#49





(Channel Bandwidth:20 MHz)_HCH_16QAM_1RB#99





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Ref Offset 8.05 dB
10 dB/div
Log
Ref 30.00 dBm
Start 30 MHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 26.00 GHz
Sweep 64.98 ms (3000 pts)
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