

## Appendix D: Test Data for E-UTRA Band 2

Product Name: Smart Phone

Trade Mark: DOOGEE

Test Model: S96Pro

### Environmental Conditions

Temperature:	22.9° C
Relative Humidity:	53.3%
ATM Pressure:	100.0 kPa
Test Engineer:	Diamond Lu
Supervised by:	Li Huan

### D.1 Conducted Output Power

Conducted Output Power Test Result (Channel Bandwidth: 1.4 MHz)						
Modulation	Channel	RB Configuration		Average Power [dBm]		Verdict
		Size	Offset	QPSK	16QAM	
QPSK / 16QAM	LCH	1	0	22.70	21.89	PASS
		1	3	22.82	22.06	PASS
		1	5	22.77	21.97	PASS
		3	0	22.84	21.80	PASS
		3	2	22.85	21.77	PASS
		3	3	22.94	21.82	PASS
		6	0	21.80	20.69	PASS
	MCH	1	0	22.96	21.83	PASS
		1	3	23.04	21.99	PASS
		1	5	22.94	21.80	PASS
		3	0	23.06	21.90	PASS
		3	2	23.01	21.90	PASS
		3	3	23.03	21.84	PASS
		6	0	21.97	20.98	PASS
	HCH	1	0	22.92	22.02	PASS
		1	3	23.03	22.15	PASS
		1	5	22.88	21.98	PASS
		3	0	23.03	21.91	PASS
		3	2	23.02	21.93	PASS
		3	3	22.95	21.86	PASS
		6	0	22.00	21.04	PASS

## Conducted Output Power Test Result (Channel Bandwidth: 3 MHz)

Modulation	Channel	RB Configuration		Average Power [dBm] QPSK	Average Power [dBm] 16QAM	Verdict
		Size	Offset			
QPSK / 16QAM	LCH	1	0	22.81	21.99	PASS
		1	7	22.89	22.01	PASS
		1	14	22.98	22.15	PASS
		8	0	21.81	20.91	PASS
		8	4	21.83	20.88	PASS
		8	7	21.93	21.02	PASS
		15	0	21.92	20.93	PASS
	MCH	1	0	23.05	22.27	PASS
		1	7	22.94	22.12	PASS
		1	14	22.86	22.05	PASS
		8	0	22.00	21.01	PASS
		8	4	22.03	21.03	PASS
		8	7	21.92	20.94	PASS
		15	0	21.96	20.90	PASS
	HCH	1	0	23.12	22.04	PASS
		1	7	23.03	21.93	PASS
		1	14	22.93	21.87	PASS
		8	0	22.11	21.15	PASS
		8	4	22.12	21.12	PASS
		8	7	22.04	21.04	PASS
		15	0	22.02	20.98	PASS

## Conducted Output Power Test Result (Channel Bandwidth: 5 MHz)

Modulation	Channel	RB Configuration		Average Power [dBm]	Average Power [dBm]	Verdict
		Size	Offset	QPSK	16QAM	
QPSK / 16QAM	LCH	1	0	22.80	21.84	PASS
		1	12	23.09	22.06	PASS
		1	24	23.18	22.16	PASS
		12	0	21.86	20.87	PASS
		12	6	21.90	20.89	PASS
		12	13	22.14	21.12	PASS
		25	0	22.00	21.09	PASS
	MCH	1	0	23.12	22.35	PASS
		1	12	23.04	22.23	PASS
		1	24	22.86	22.09	PASS
		12	0	22.08	21.14	PASS
		12	6	22.09	21.09	PASS
		12	13	21.94	20.99	PASS
		25	0	21.99	21.04	PASS
	HCH	1	0	23.22	22.26	PASS
		1	12	23.21	22.24	PASS
		1	24	23.00	21.97	PASS
		12	0	22.15	21.15	PASS
		12	6	22.17	21.17	PASS
		12	13	22.04	21.09	PASS
		25	0	22.13	21.19	PASS

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

Modulation	Channel	RB Configuration		Average Power [dBm]	Average Power [dBm]	Verdict
		Size	Offset	QPSK	16QAM	
QPSK / 16QAM	LCH	1	0	22.78	21.97	PASS
		1	24	23.26	22.43	PASS
		1	49	23.47	22.73	PASS
		25	0	21.98	20.96	PASS
		25	12	21.99	20.96	PASS
		25	25	22.44	21.46	PASS
		50	0	22.24	21.25	PASS
	MCH	1	0	23.36	22.55	PASS
		1	24	23.08	22.25	PASS
		1	49	22.76	22.00	PASS
		25	0	22.20	21.27	PASS
		25	12	22.19	21.25	PASS
		25	25	21.96	21.04	PASS
		50	0	22.08	21.14	PASS
	HCH	1	0	23.41	22.35	PASS
		1	24	23.36	22.25	PASS
		1	49	22.94	21.92	PASS
		25	0	22.49	21.55	PASS
		25	12	22.46	21.55	PASS
		25	25	22.26	21.30	PASS
		50	0	22.32	21.32	PASS

## 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	22.74	21.90	PASS
		1	37	23.46	22.63	PASS
		1	74	23.74	22.98	PASS
		37	0	22.42	22.45	PASS
		37	18	22.42	22.42	PASS
		37	38	22.44	22.44	PASS
		75	0	22.42	21.35	PASS
	MCH	1	0	23.38	22.75	PASS
		1	37	22.98	22.29	PASS
		1	74	22.74	22.06	PASS
		37	0	22.14	22.08	PASS
		37	18	22.08	22.11	PASS
		37	38	22.06	22.06	PASS
		75	0	22.10	21.11	PASS
	HCH	1	0	23.19	22.17	PASS
		1	37	23.44	22.35	PASS
		1	74	22.91	21.79	PASS
		37	0	22.45	22.48	PASS
		37	18	22.48	22.44	PASS
		37	38	22.47	22.43	PASS
		75	0	22.44	21.44	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	22.67	21.71	PASS
		1	49	23.84	22.90	PASS
		1	99	23.59	22.69	PASS
		50	0	22.22	21.22	PASS
		50	25	22.19	21.22	PASS
		50	50	22.66	21.70	PASS
		100	0	22.42	21.43	PASS
	MCH	1	0	23.60	22.72	PASS
		1	49	23.10	22.33	PASS
		1	99	22.65	21.85	PASS
		50	0	22.15	21.22	PASS
		50	25	22.17	21.20	PASS
		50	50	21.87	20.91	PASS
		100	0	22.01	21.08	PASS
	HCH	1	0	22.73	21.81	PASS
		1	49	23.51	22.53	PASS
		1	99	22.62	21.73	PASS
		50	0	22.32	21.38	PASS
		50	25	22.32	21.36	PASS
		50	50	22.32	21.39	PASS
		100	0	22.32	21.34	PASS

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

Peak-to Average Ratio Test Result (Channel Bandwidth: 1.4 MHz)				
Modulation	Channel	Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
QPSK	LCH	5.26	<13	PASS
	MCH	5.32	<13	PASS
	HCH	4.76	<13	PASS
16QAM	LCH	6.18	<13	PASS
	MCH	6.27	<13	PASS
	HCH	5.63	<13	PASS

Peak-to Average Ratio Test Result (Channel Bandwidth: 3 MHz)				
Modulation	Channel	Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
QPSK	LCH	5.29	<13	PASS
	MCH	5.31	<13	PASS
	HCH	4.86	<13	PASS
16QAM	LCH	6.13	<13	PASS
	MCH	6.17	<13	PASS
	HCH	5.79	<13	PASS

Peak-to Average Ratio Test Result (Channel Bandwidth: 5 MHz)				
Modulation	Channel	Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
QPSK	LCH	5.27	<13	PASS
	MCH	5.38	<13	PASS
	HCH	4.97	<13	PASS
16QAM	LCH	6.02	<13	PASS
	MCH	6.25	<13	PASS
	HCH	5.87	<13	PASS

Peak-to Average Ratio Test Result (Channel Bandwidth: 10 MHz)				
Modulation	Channel	Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
QPSK	LCH	5.17	<13	PASS
	MCH	5.46	<13	PASS
	HCH	5.11	<13	PASS
16QAM	LCH	5.97	<13	PASS
	MCH	6.31	<13	PASS
	HCH	5.97	<13	PASS

**Peak-to Average Ratio Test Result (Channel Bandwidth: 15 MHz)**

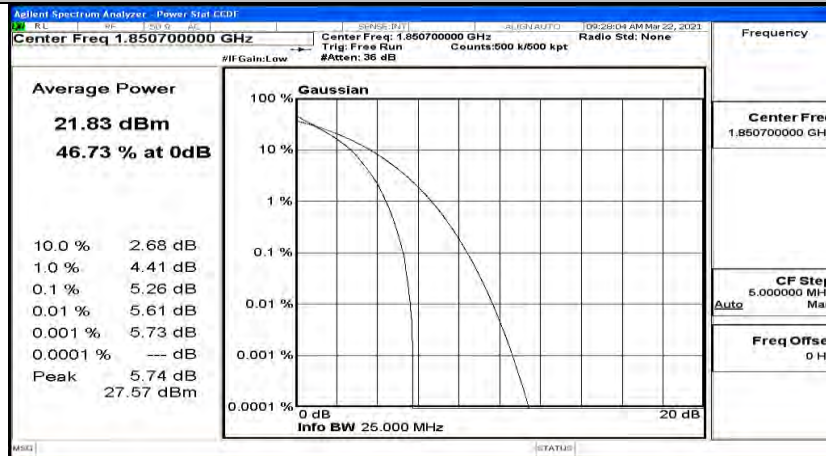
Modulation	Channel	Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
QPSK	LCH	5.46	<13	PASS
	MCH	5.8	<13	PASS
	HCH	5.39	<13	PASS
16QAM	LCH	6.16	<13	PASS
	MCH	6.44	<13	PASS
	HCH	6.18	<13	PASS

**Peak-to Average Ratio Test Result (Channel Bandwidth: 20 MHz)**

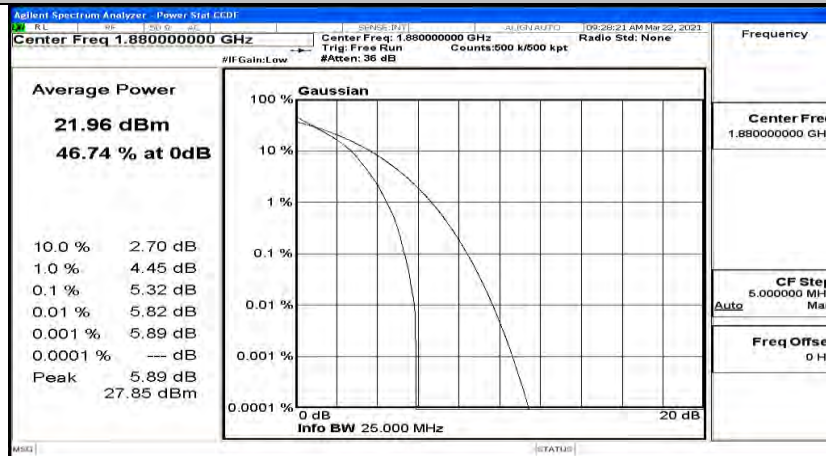
Modulation	Channel	Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
QPSK	LCH	5.31	<13	PASS
	MCH	5.63	<13	PASS
	HCH	5.38	<13	PASS
16QAM	LCH	6.22	<13	PASS
	MCH	6.39	<13	PASS
	HCH	6.24	<13	PASS



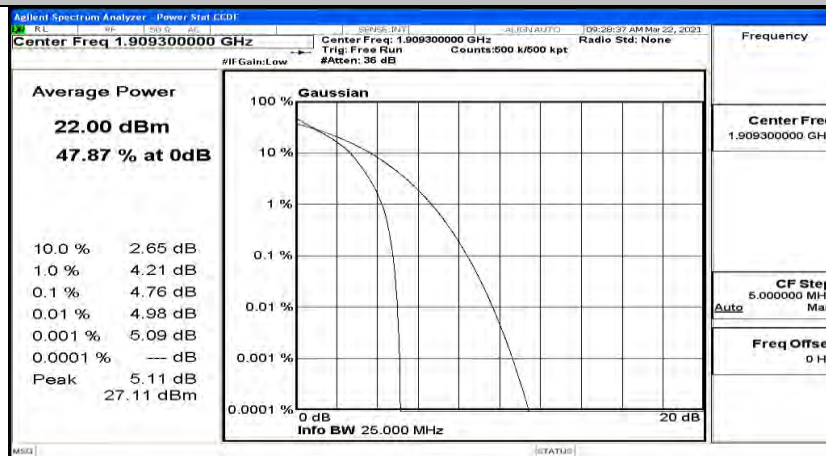
## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 1.4 MHz)\_LCH\_QPSK



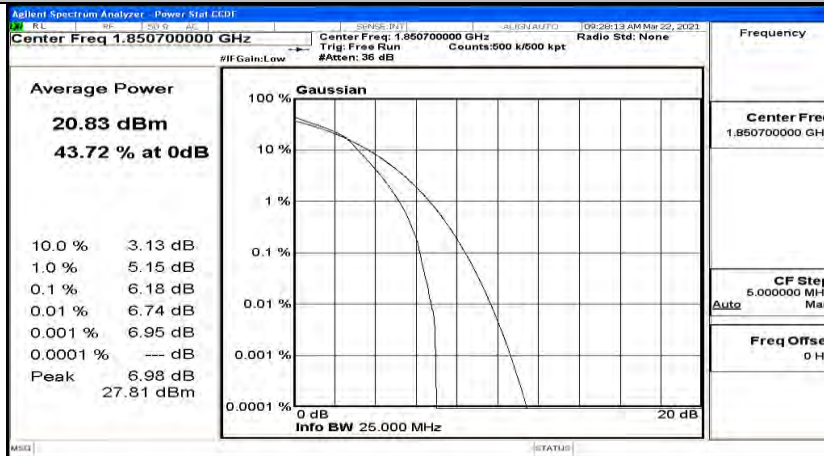
## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 1.4 MHz)\_MCH\_QPSK



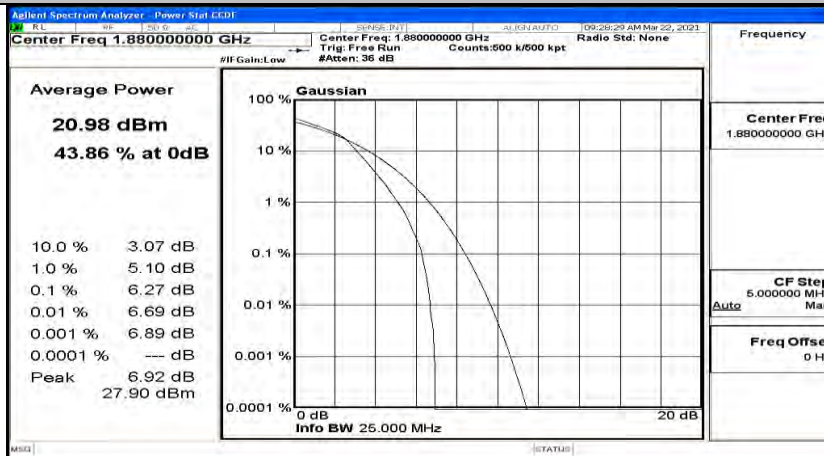
## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 1.4 MHz)\_HCH\_QPSK



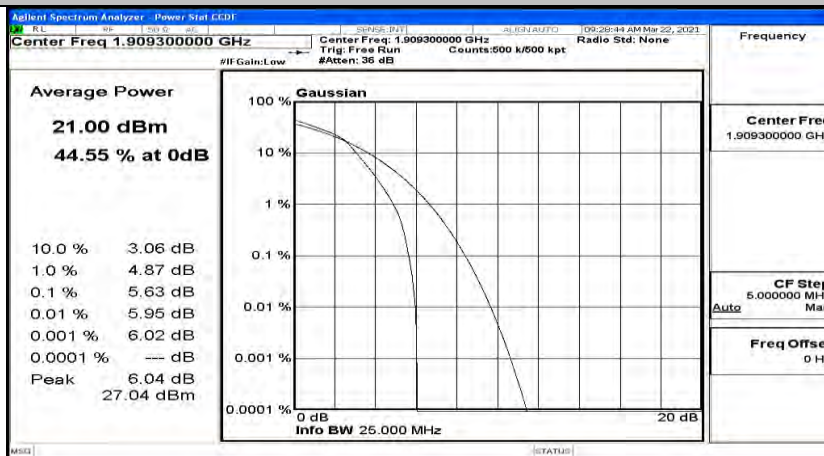
## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 1.4 MHz)\_LCH\_16QAM



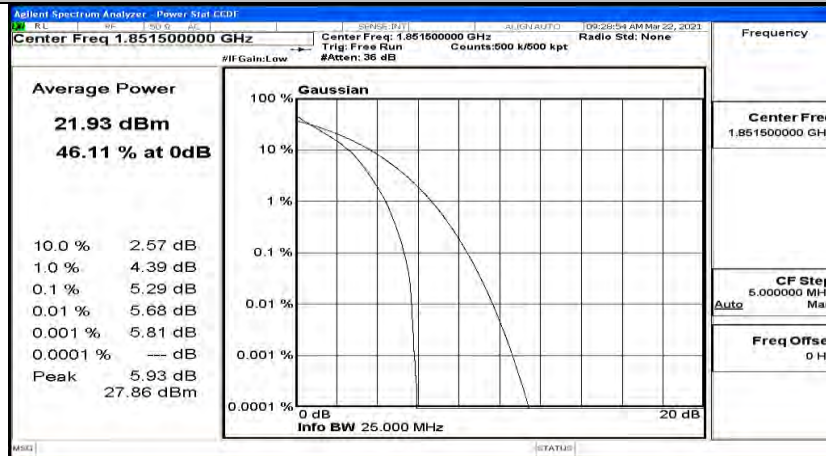
## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 1.4 MHz)\_MCH\_16QAM



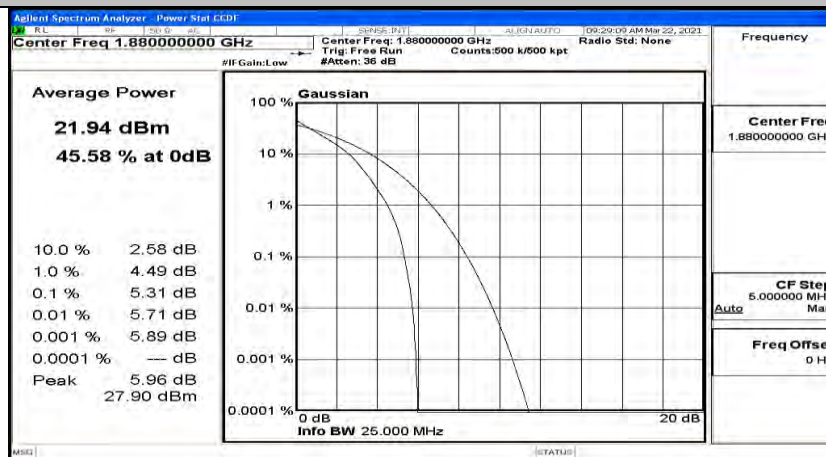
## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 1.4 MHz)\_HCH\_16QAM



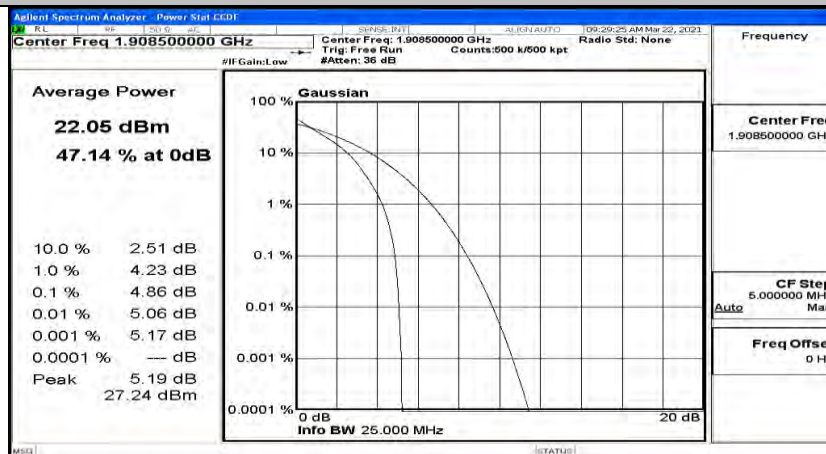
## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 3 MHz)\_LCH\_QPSK



## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 3 MHz)\_MCH\_QPSK

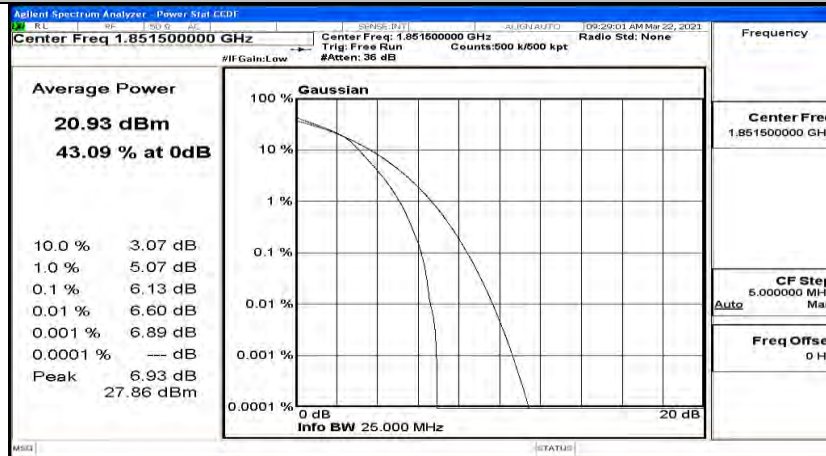


## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 3 MHz)\_HCH\_QPSK

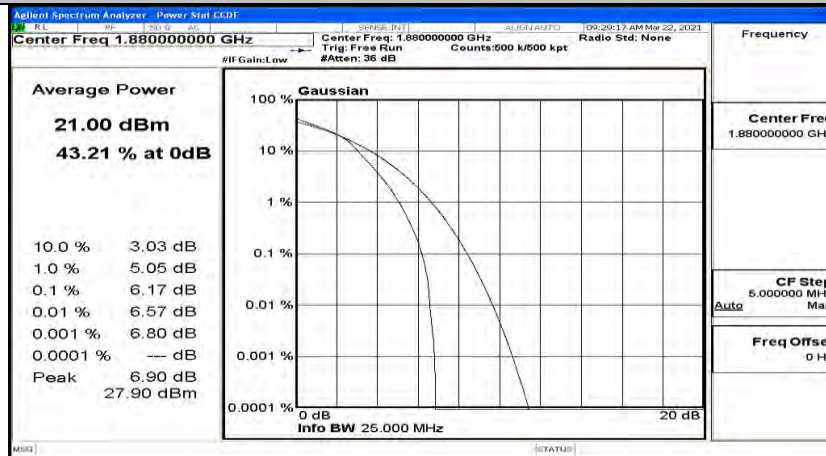




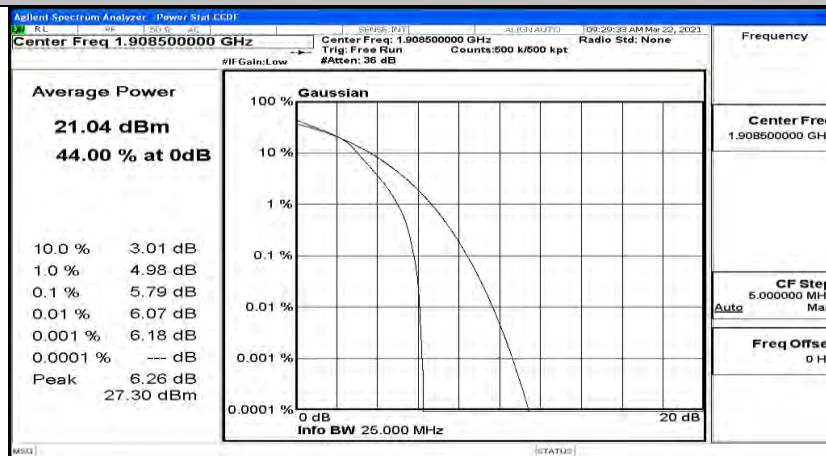
## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 3 MHz)\_LCH\_16QAM



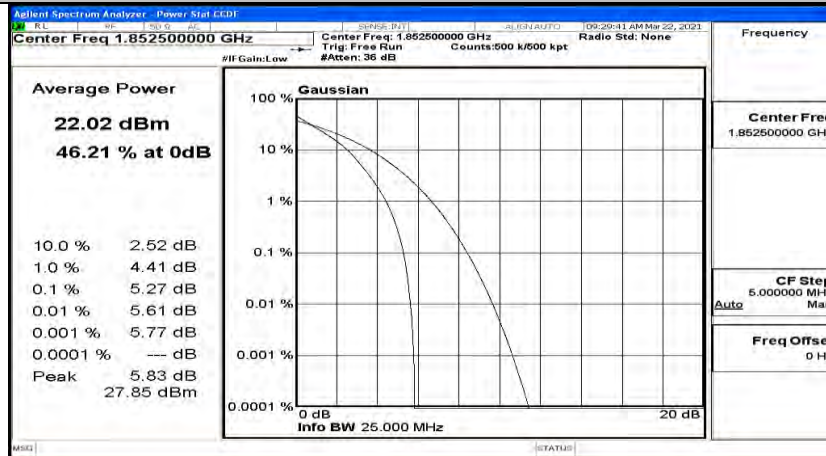
## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 3 MHz)\_MCH\_16QAM



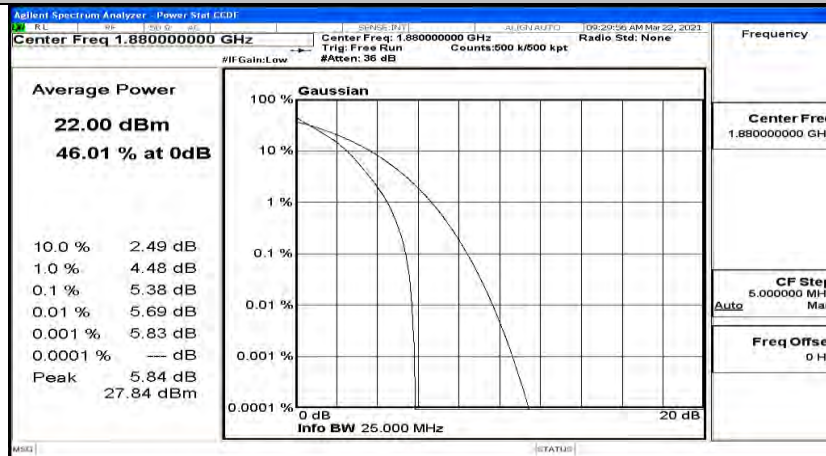
## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 3 MHz)\_HCH\_16QAM



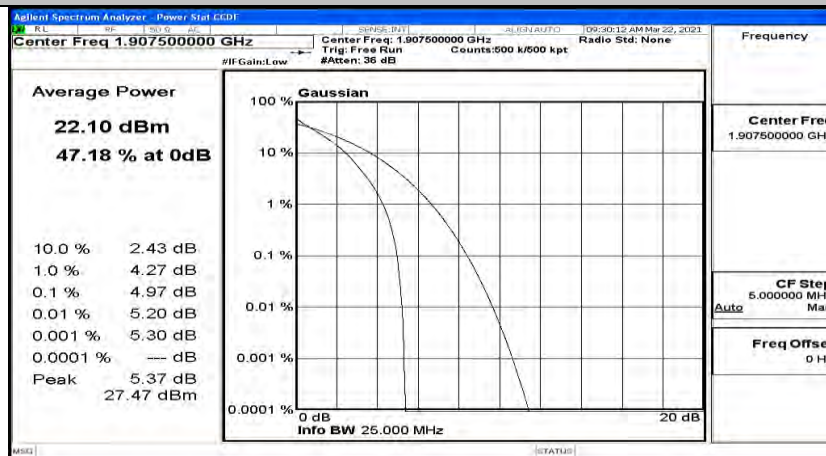
## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)\_LCH\_QPSK



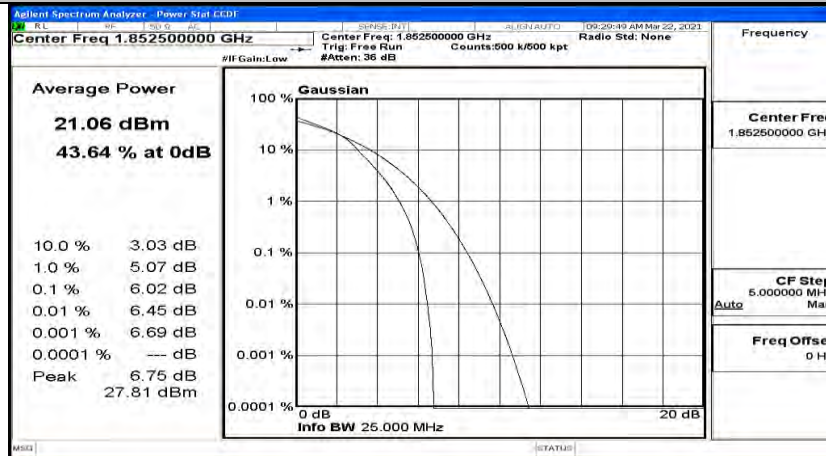
## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)\_MCH\_QPSK



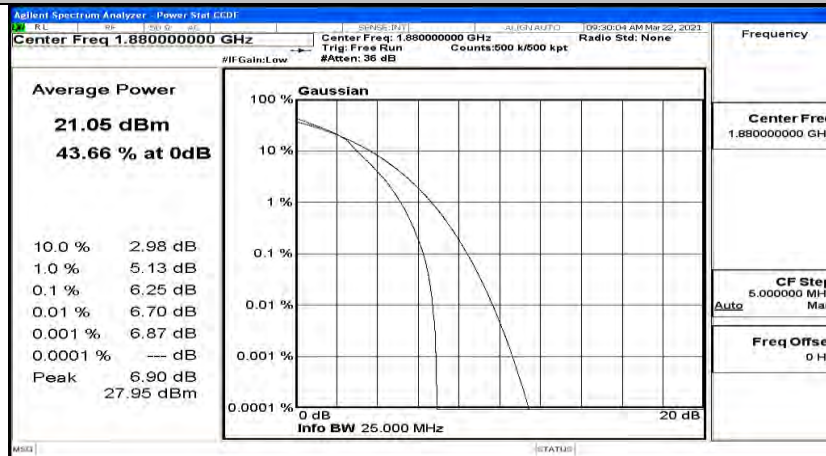
## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)\_HCH\_QPSK



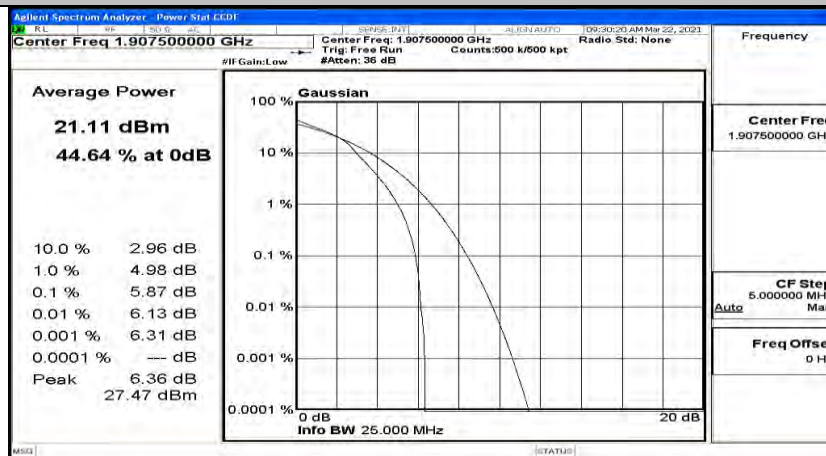
## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)\_LCH\_16QAM



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

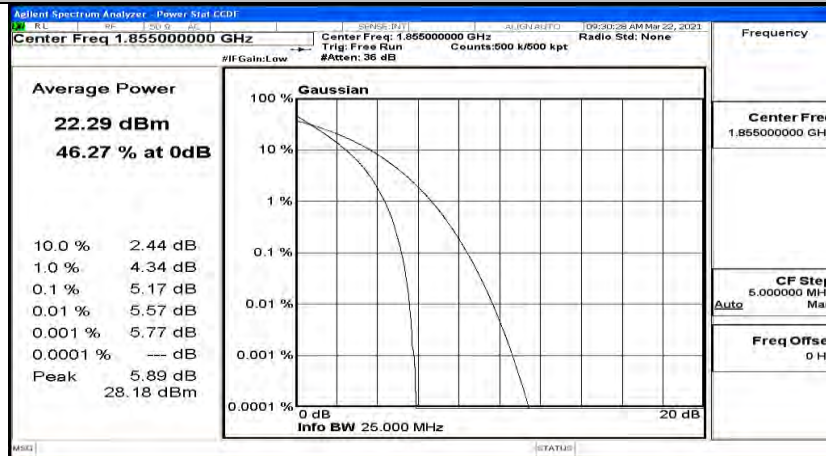


## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)\_HCH\_16QAM

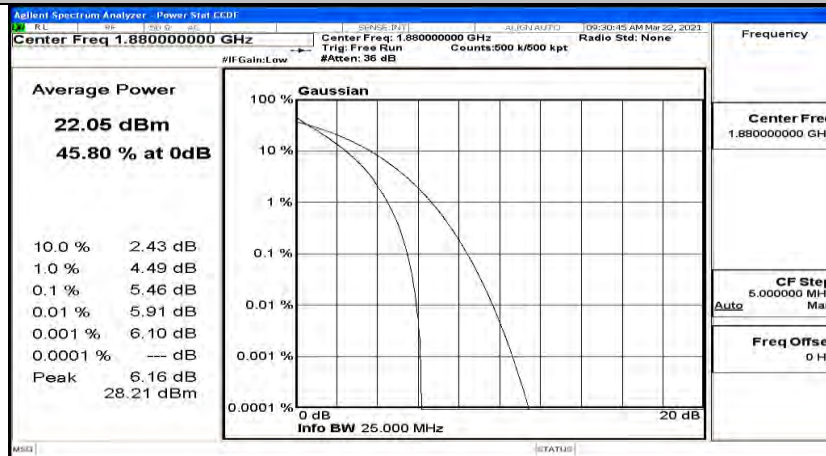




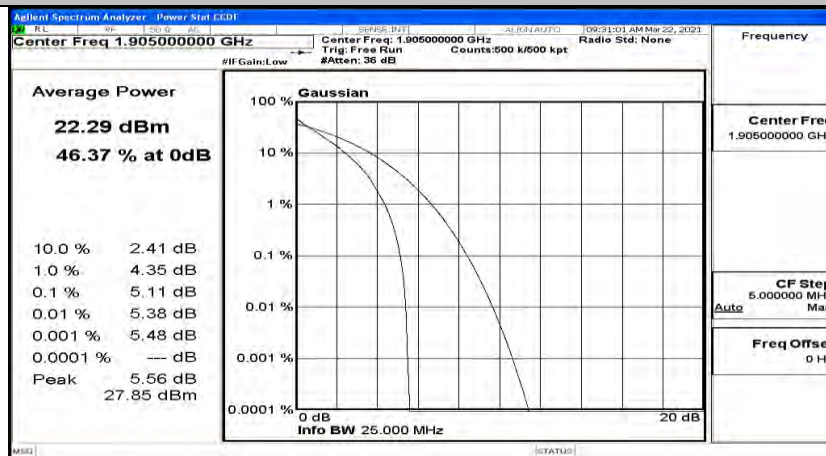
## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz) \_LCH\_QPSK



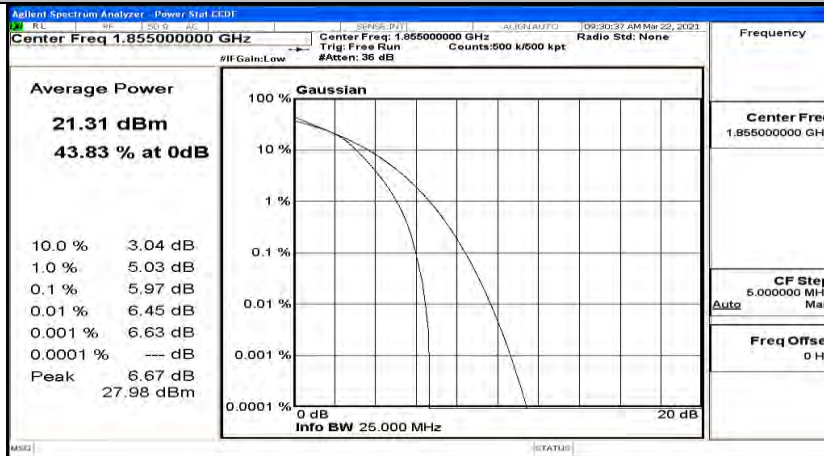
## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz) \_MCH\_QPSK



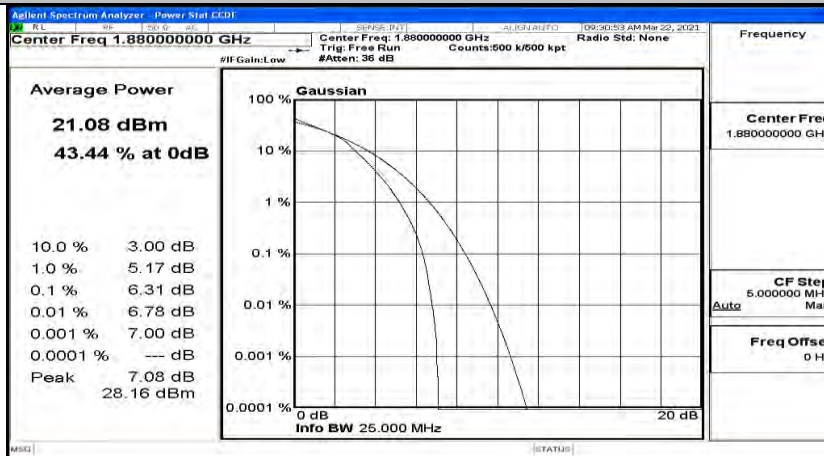
## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz) \_HCH\_QPSK



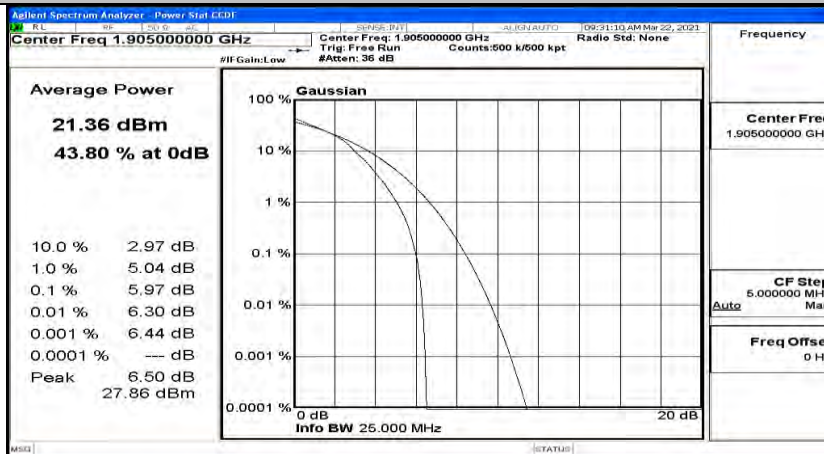
## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)\_LCH\_16QAM



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

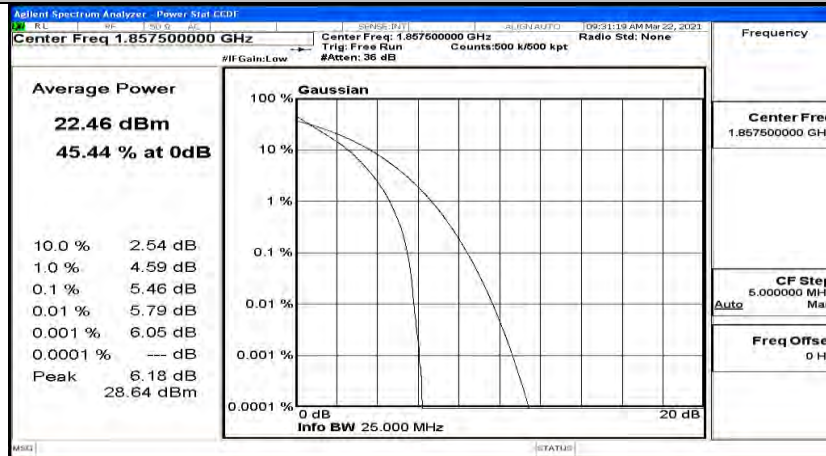


## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)\_HCH\_16QAM

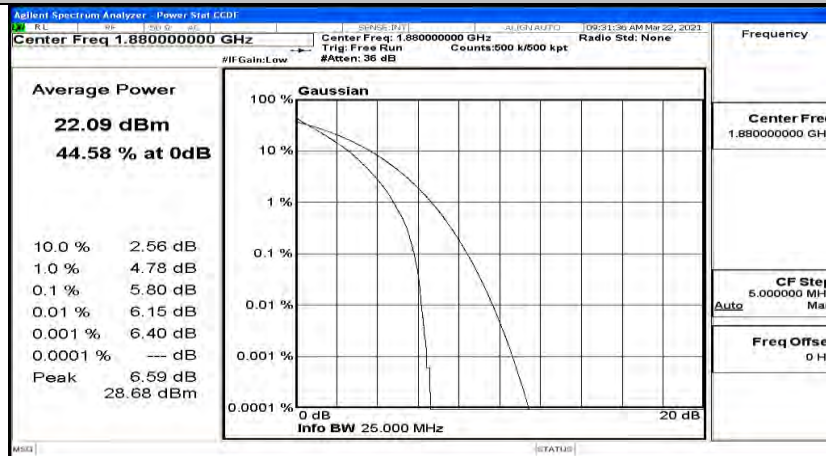




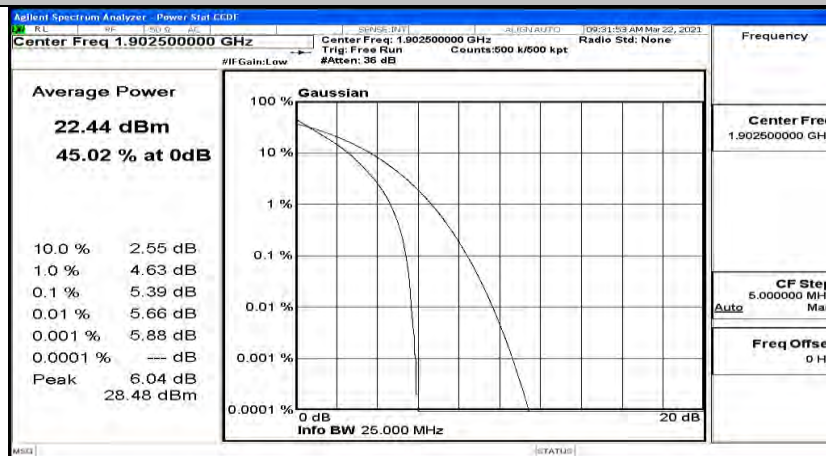
## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:15 MHz)\_LCH\_QPSK



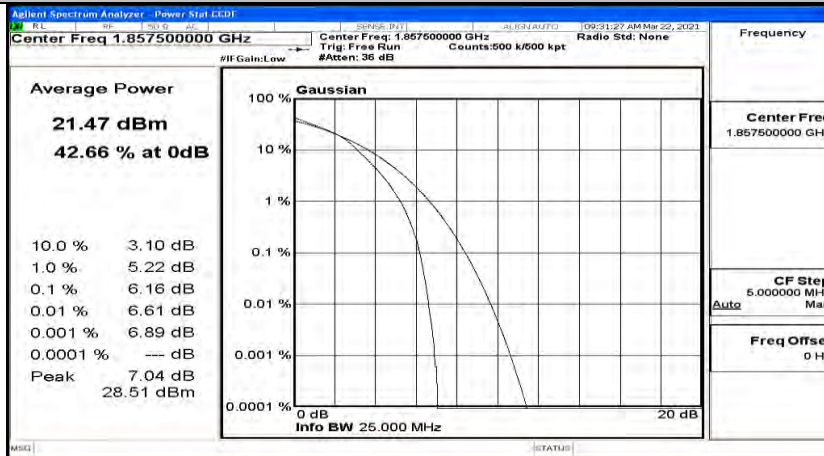
## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:15 MHz)\_MCH\_QPSK



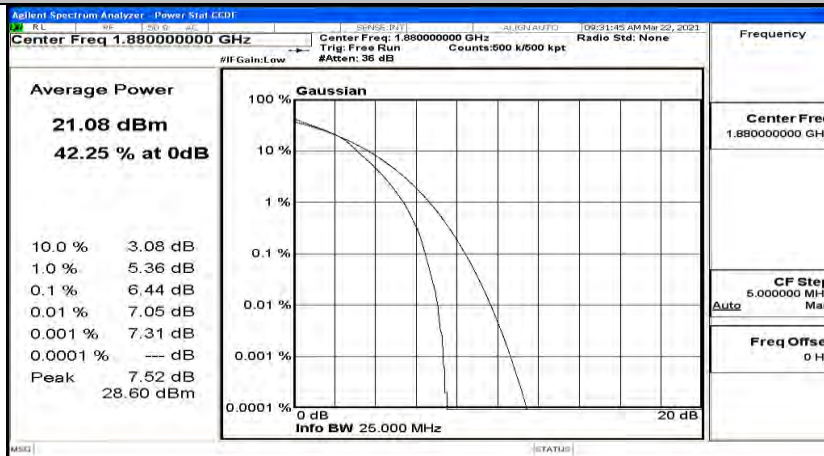
## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:15 MHz)\_HCH\_QPSK



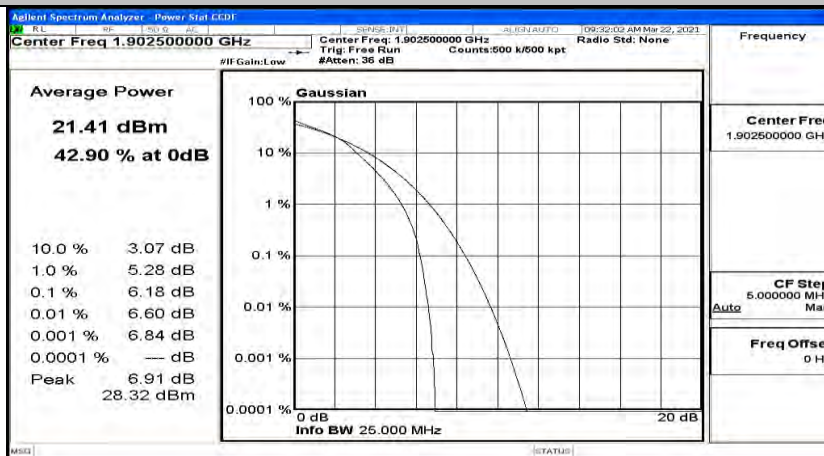
## Peak-to-Average Ratio Test Graph(s) (Channel Bandwidth:15 MHz)\_LCH\_16QAM



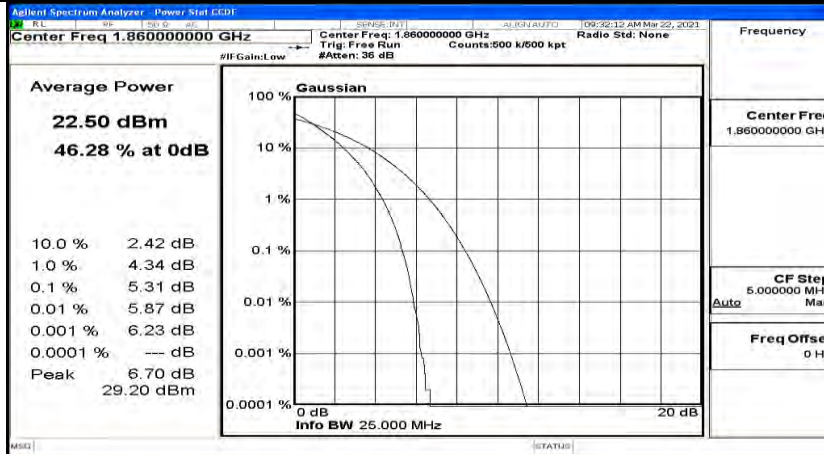
## Peak-to-Average Ratio Test Graph(s) (Channel Bandwidth:15 MHz)\_MCH\_16QAM



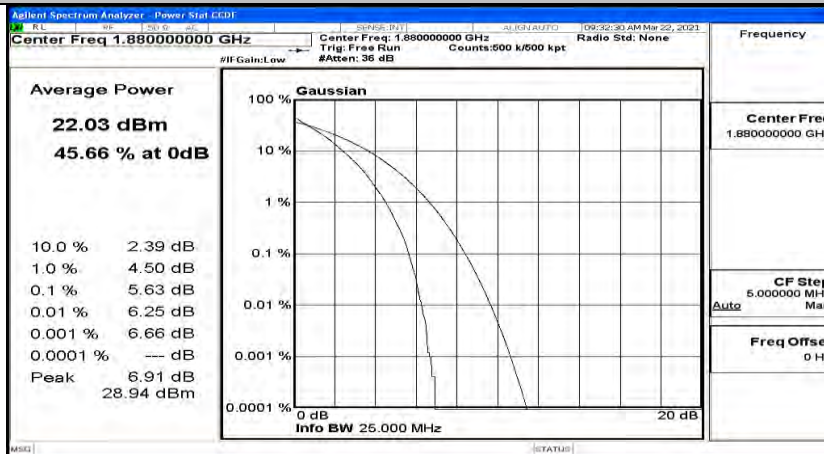
## Peak-to-Average Ratio Test Graph(s) (Channel Bandwidth:15 MHz)\_HCH\_16QAM



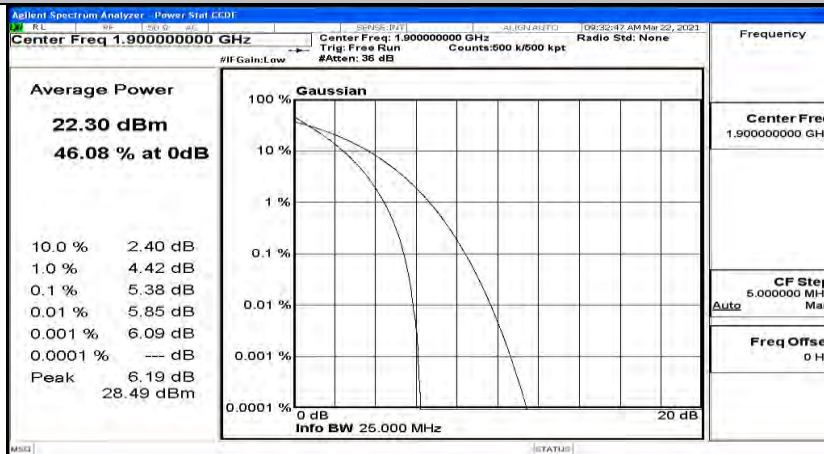
## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:20 MHz)\_LCH\_QPSK



## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:20 MHz)\_MCH\_QPSK

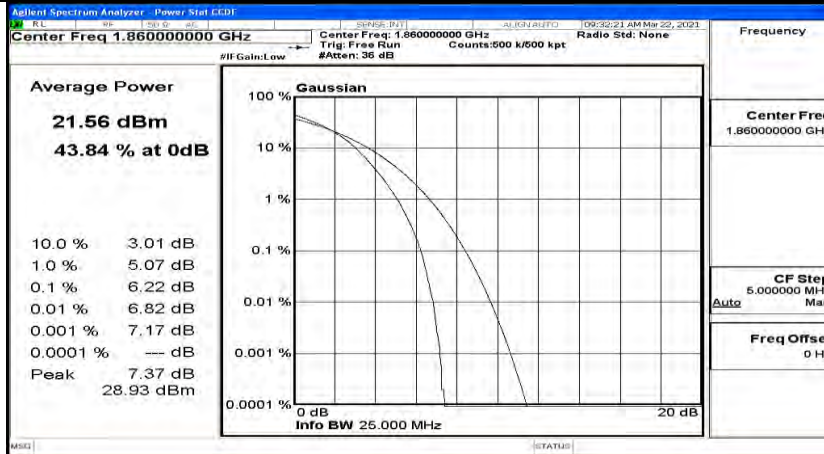


## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:20 MHz)\_HCH\_QPSK

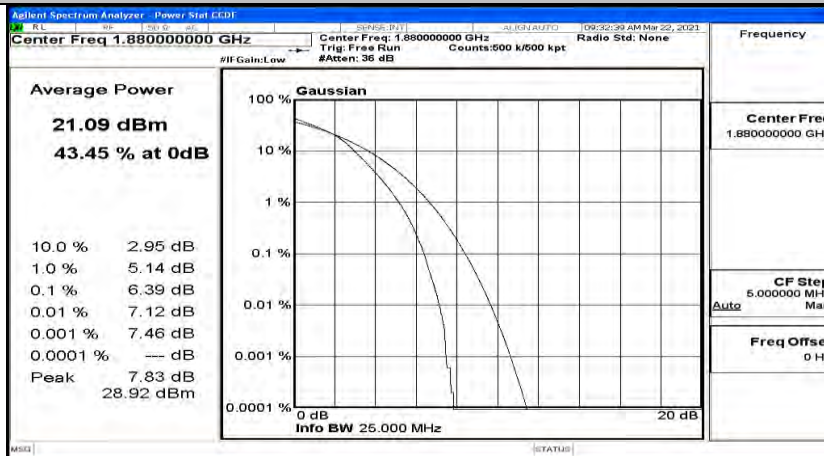




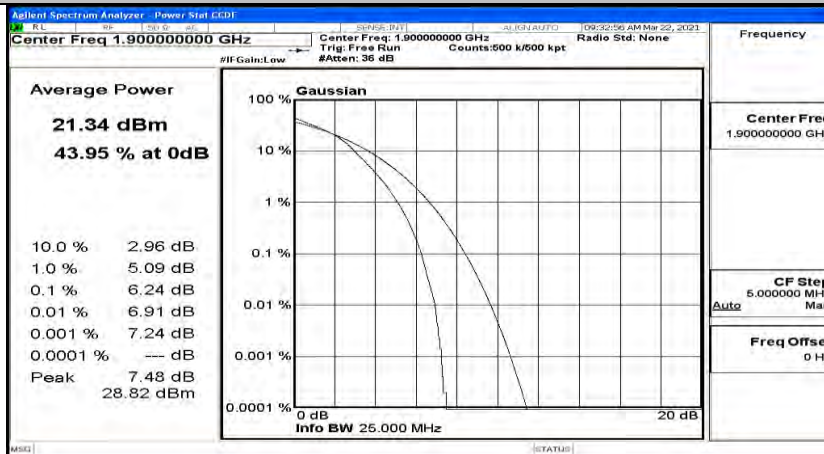
## Peak-to-Average Ratio Test Graph(s) (Channel Bandwidth:20 MHz)\_LCH\_16QAM



## 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



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

EBW & OBW Test Result (Channel Bandwidth: 1.4 MHz)				
Modulation	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
QPSK	LCH	1.0788	1.212	PASS
	MCH	1.0847	1.231	PASS
	HCH	1.0779	1.230	PASS
16QAM	LCH	1.0760	1.232	PASS
	MCH	1.0778	1.215	PASS
	HCH	1.0784	1.211	PASS

EBW & OBW Test Result (Channel Bandwidth: 3 MHz)				
Modulation	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
QPSK	LCH	2.6773	2.838	PASS
	MCH	2.6822	2.834	PASS
	HCH	2.6853	2.821	PASS
16QAM	LCH	2.6812	2.814	PASS
	MCH	2.6811	2.831	PASS
	HCH	2.6824	2.831	PASS

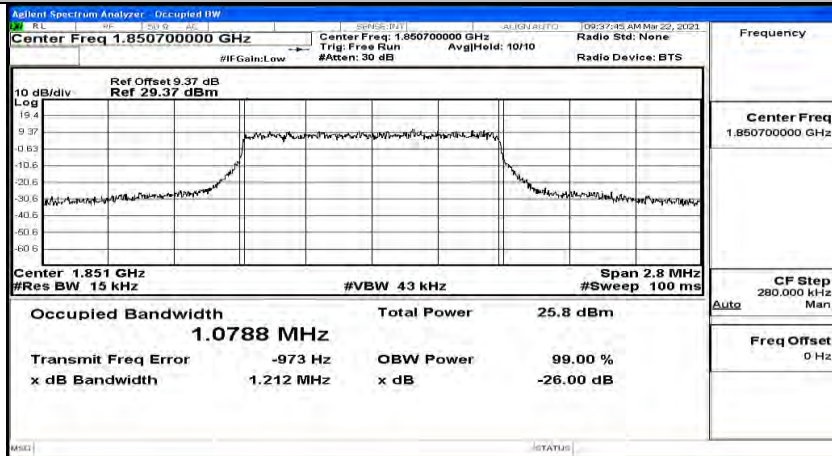
EBW & OBW Test Result (Channel Bandwidth: 5 MHz)				
Modulation	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
QPSK	LCH	4.4802	4.755	PASS
	MCH	4.4721	4.715	PASS
	HCH	4.4659	4.728	PASS
16QAM	LCH	4.4781	4.748	PASS
	MCH	4.4665	4.768	PASS
	HCH	4.4701	4.715	PASS

EBW & OBW Test Result (Channel Bandwidth: 10 MHz)				
Modulation	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
QPSK	LCH	8.9436	9.346	PASS
	MCH	8.9383	9.378	PASS
	HCH	8.9363	9.324	PASS
16QAM	LCH	8.9251	9.364	PASS
	MCH	8.9477	9.362	PASS
	HCH	8.9499	9.344	PASS

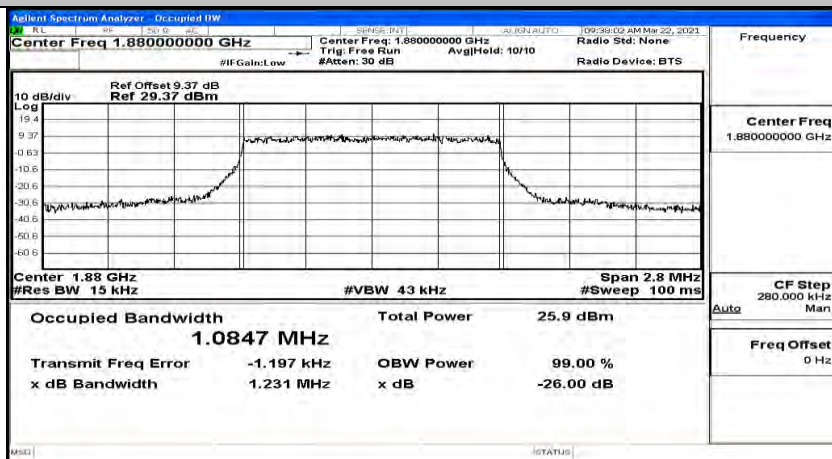
EBW & OBW Test Result (Channel Bandwidth: 15 MHz)				
Modulation	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
QPSK	LCH	13.387	14.01	PASS
	MCH	13.394	14.00	PASS
	HCH	13.410	13.97	PASS
16QAM	LCH	13.372	13.97	PASS
	MCH	13.394	13.96	PASS
	HCH	13.413	13.99	PASS

EBW & OBW Test Result (Channel Bandwidth: 20 MHz)				
Modulation	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
QPSK	LCH	17.841	18.51	PASS
	MCH	17.830	18.54	PASS
	HCH	17.856	18.55	PASS
16QAM	LCH	17.807	18.51	PASS
	MCH	17.849	18.53	PASS
	HCH	17.870	18.54	PASS

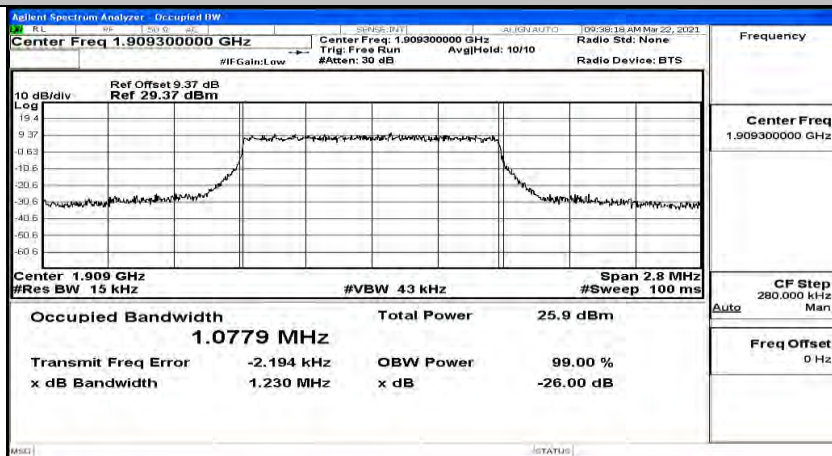
## EBW &amp; OBW Test Graph(s) (Channel Bandwidth: 1.4 MHz)\_LCH\_QPSK



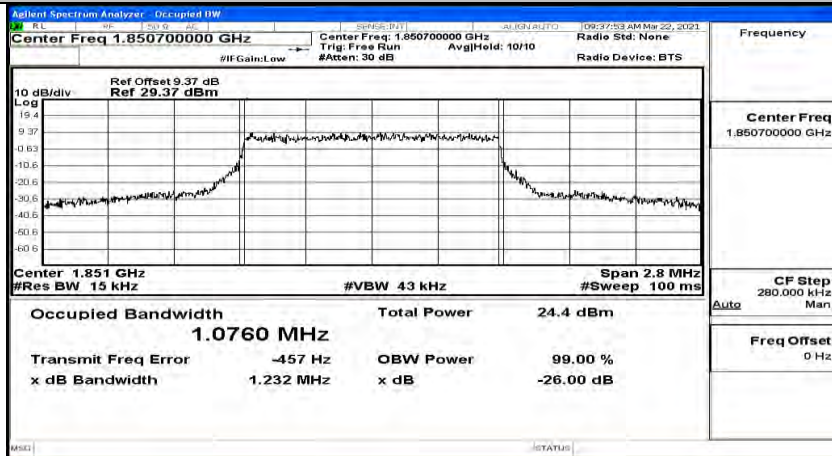
## EBW &amp; OBW Test Graph(s) (Channel Bandwidth: 1.4 MHz)\_MCH\_QPSK



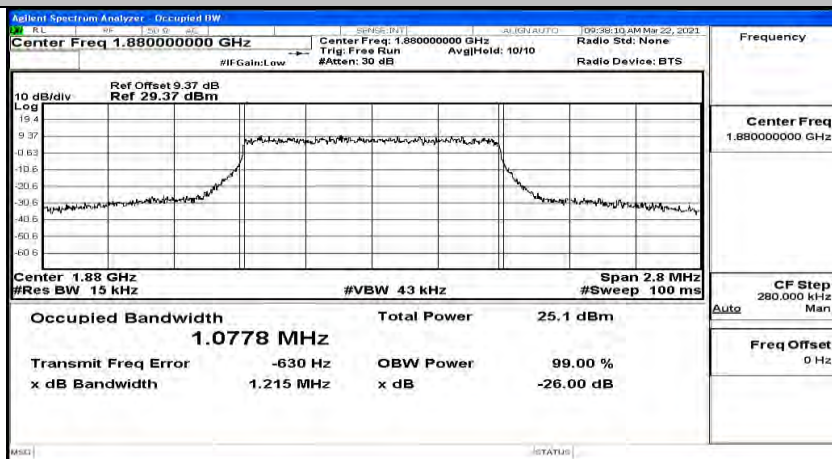
## EBW &amp; OBW Test Graph(s) (Channel Bandwidth: 1.4 MHz)\_HCH\_QPSK



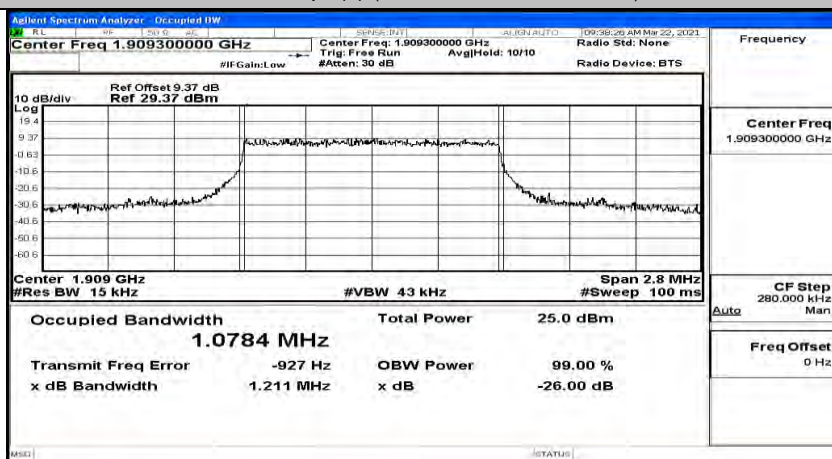
## EBW &amp; OBW Test Graph(s) (Channel Bandwidth: 1.4 MHz)\_LCH\_16QAM



## EBW &amp; OBW Test Graph(s) (Channel Bandwidth: 1.4 MHz)\_MCH\_16QAM

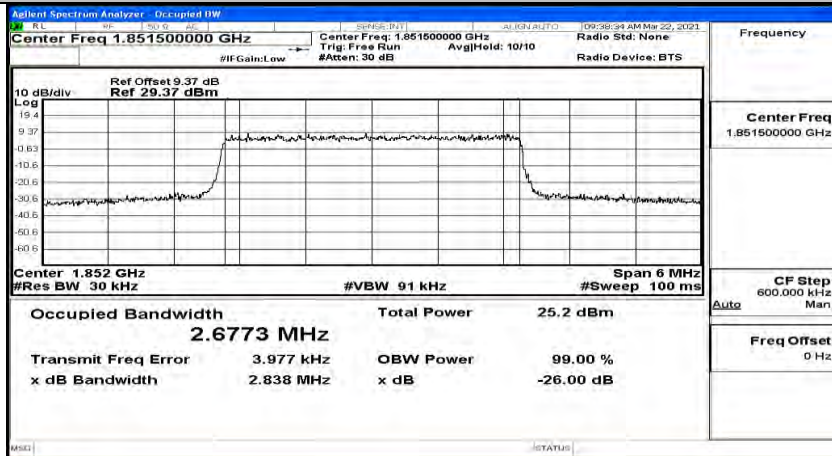


## EBW &amp; OBW Test Graph(s) (Channel Bandwidth: 1.4 MHz)\_HCH\_16QAM

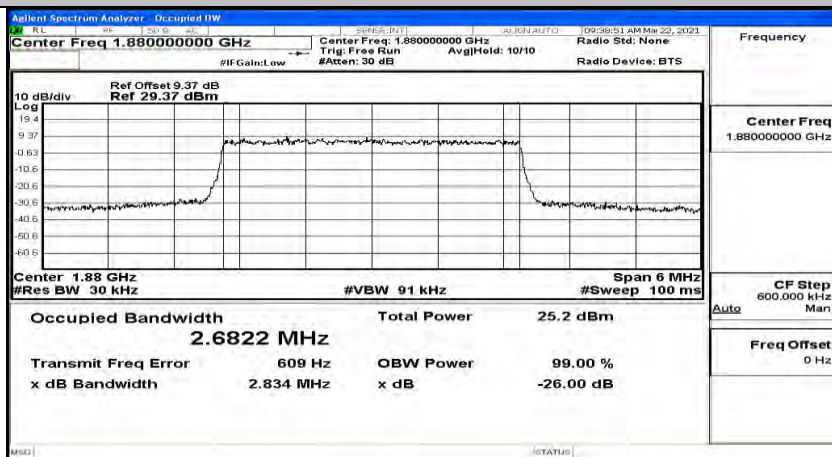




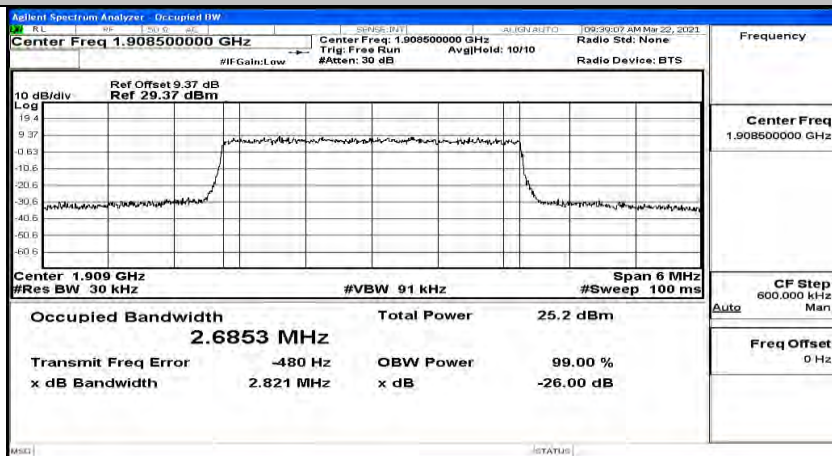
## EBW &amp; OBW Test Graph(s) (Channel Bandwidth: 3 MHz)\_LCH\_QPSK



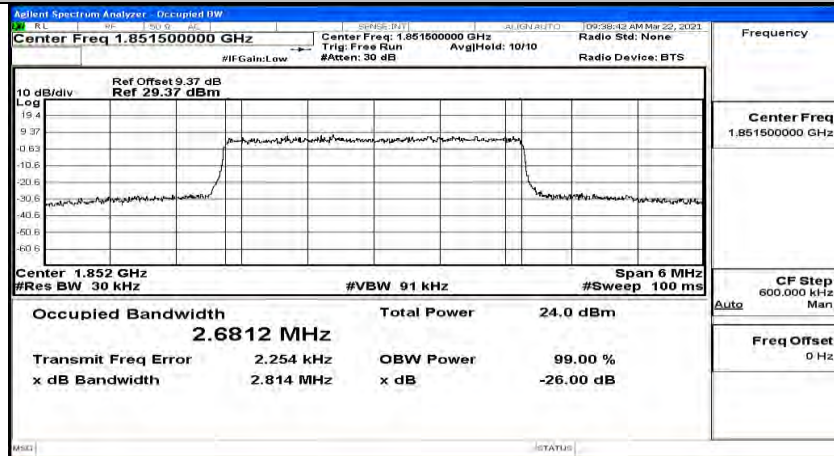
## EBW &amp; OBW Test Graph(s) (Channel Bandwidth: 3 MHz)\_MCH\_QPSK



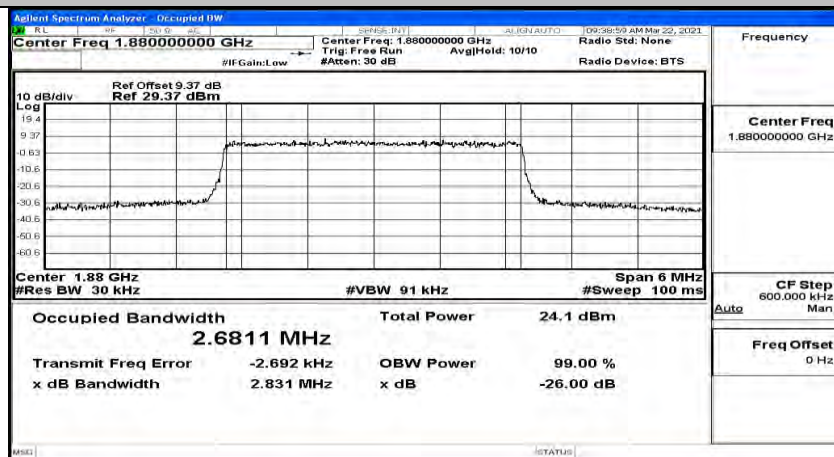
## EBW &amp; OBW Test Graph(s) (Channel Bandwidth: 3 MHz)\_HCH\_QPSK



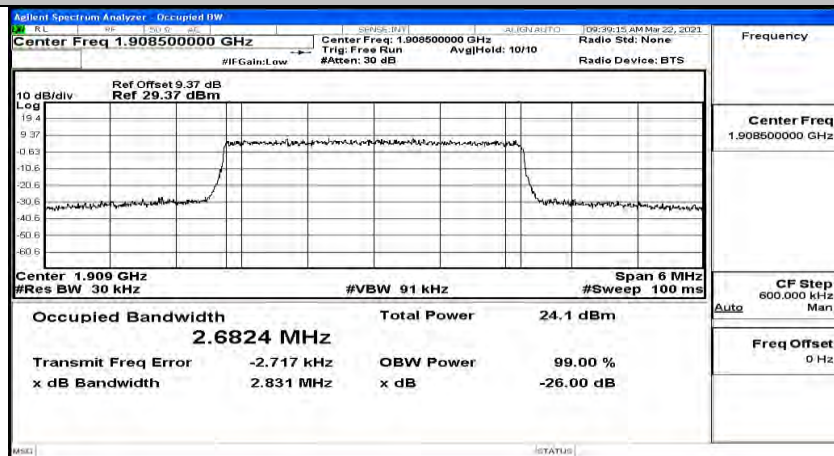
## EBW &amp; OBW Test Graph(s) (Channel Bandwidth: 3 MHz)\_LCH\_16QAM



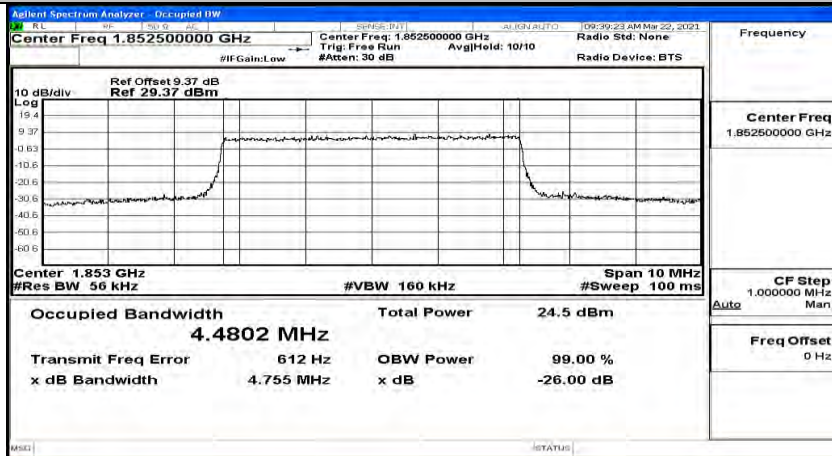
## EBW &amp; OBW Test Graph(s) (Channel Bandwidth: 3 MHz)\_MCH\_16QAM



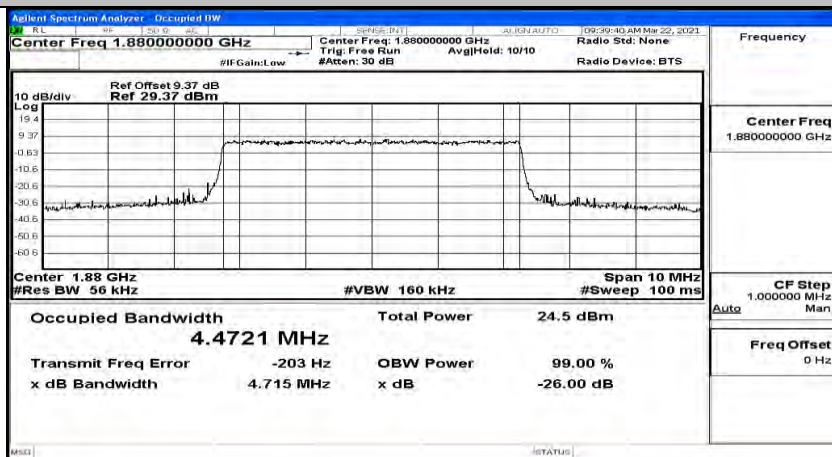
## EBW &amp; OBW Test Graph(s) (Channel Bandwidth: 3 MHz)\_HCH\_16QAM



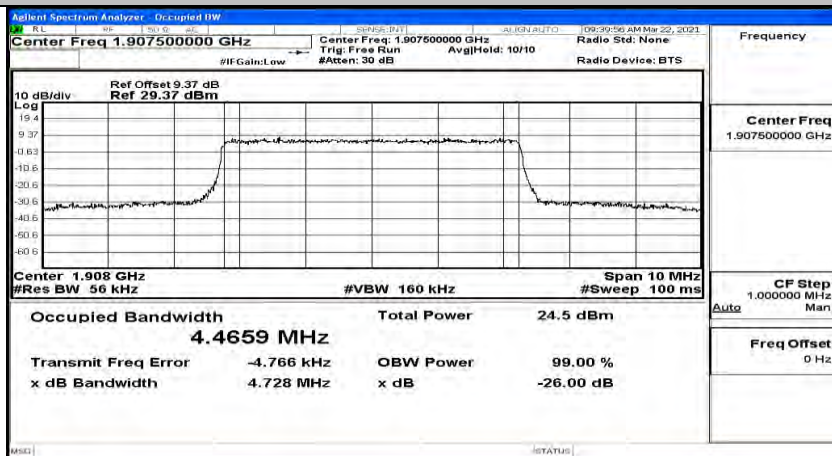
## EBW &amp; OBW Test Graph(s) (Channel Bandwidth: 5 MHz)\_LCH\_QPSK



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

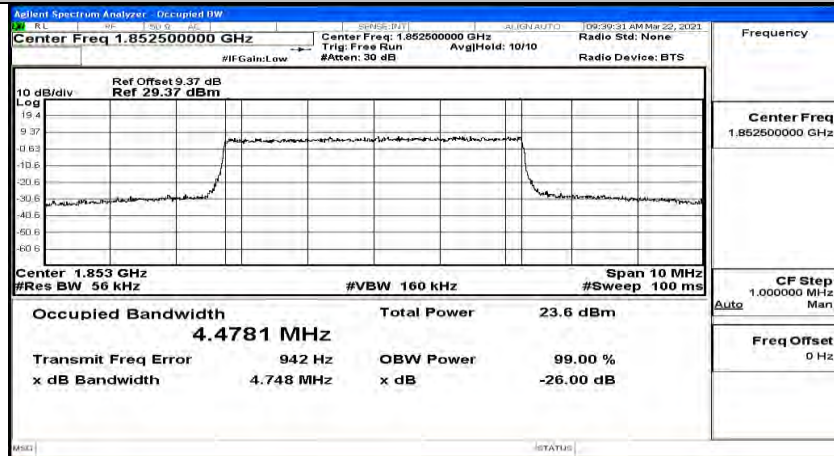


## EBW &amp; OBW Test Graph(s) (Channel Bandwidth: 5 MHz)\_HCH\_QPSK

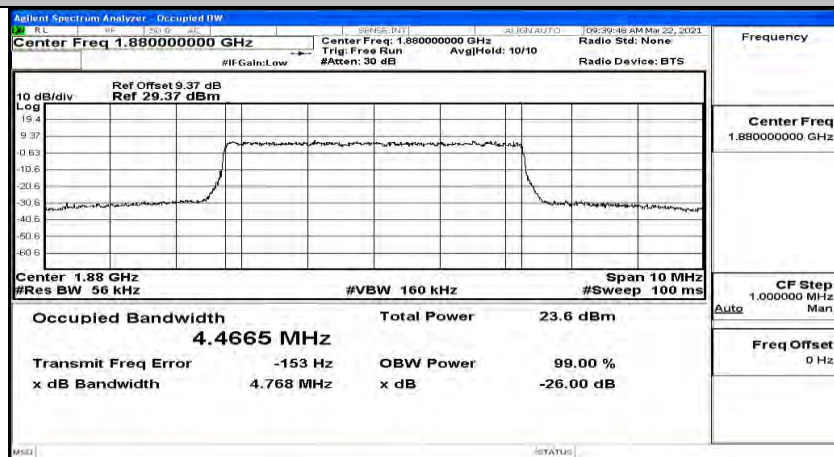




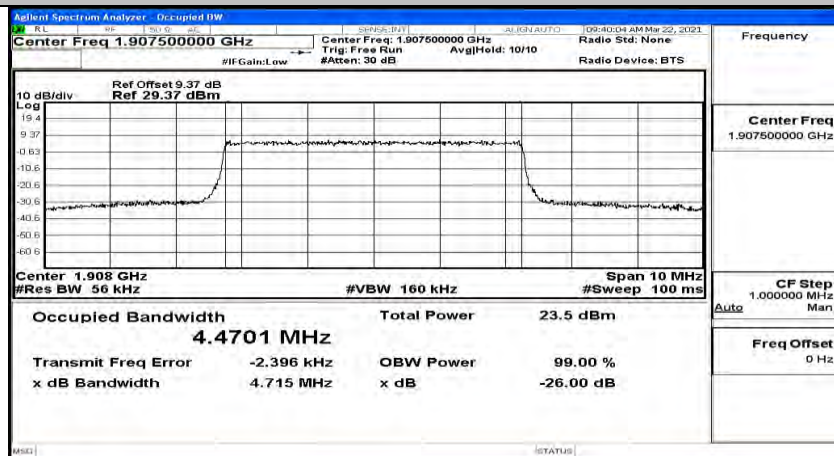
## EBW &amp; OBW Test Graph(s) (Channel Bandwidth: 5 MHz)\_LCH\_16QAM



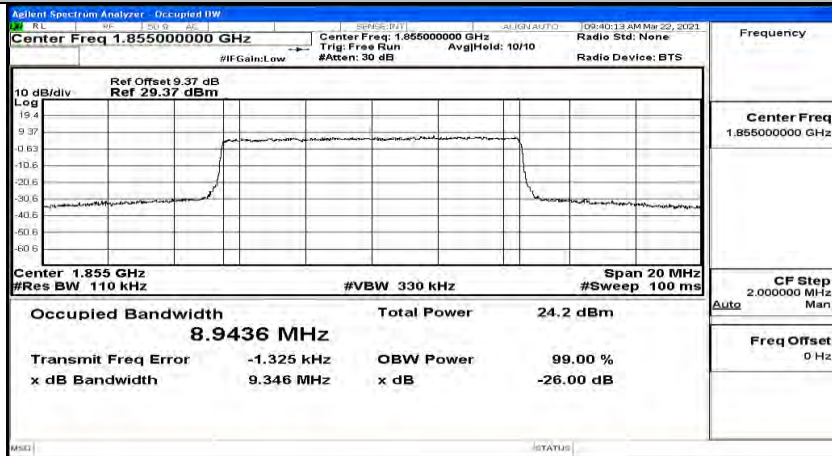
## EBW &amp; OBW Test Graph(s) (Channel Bandwidth: 5 MHz)\_MCH\_16QAM



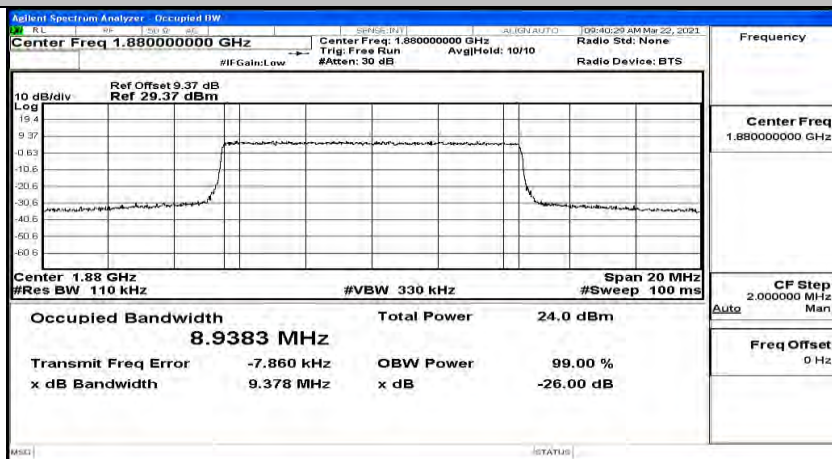
## EBW &amp; OBW Test Graph(s) (Channel Bandwidth: 5 MHz)\_HCH\_16QAM



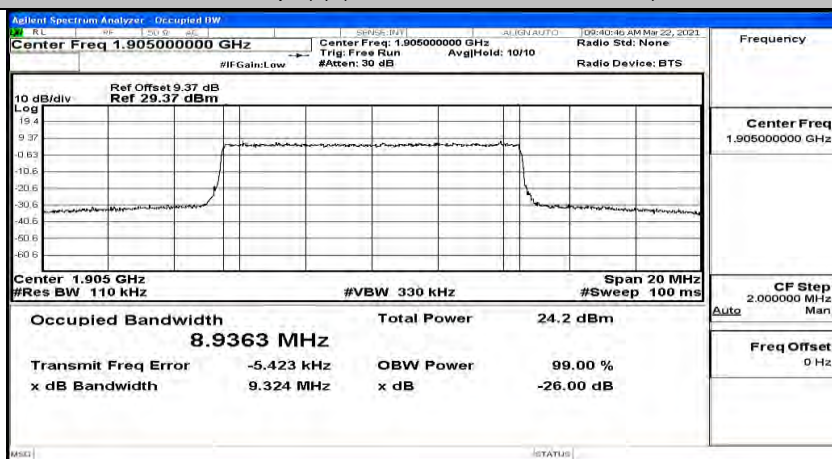
## EBW &amp; OBW Test Graph(s) (Channel Bandwidth: 10 MHz)\_LCH\_QPSK



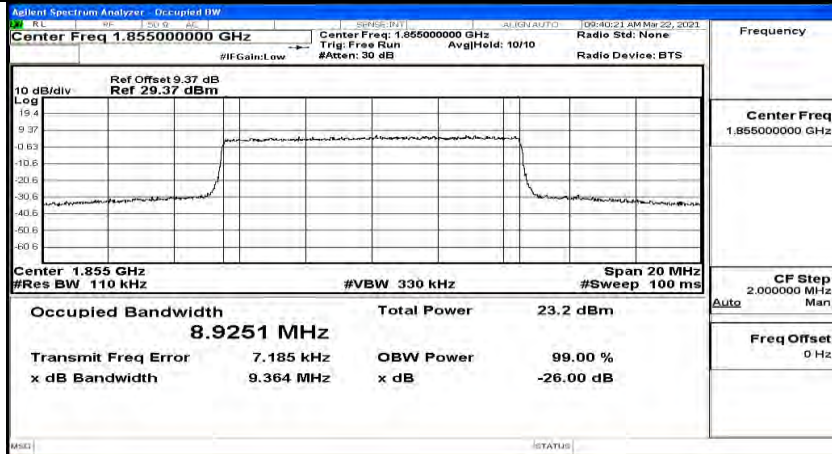
## EBW &amp; OBW Test Graph(s) (Channel Bandwidth: 10 MHz)\_MCH\_QPSK



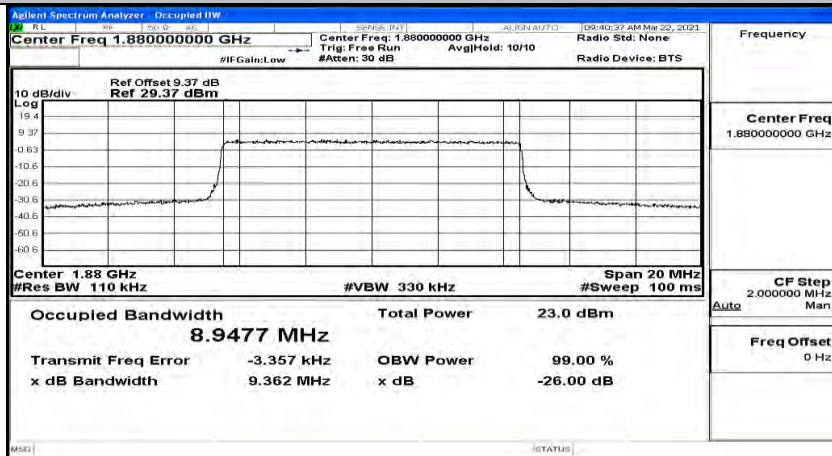
## EBW &amp; OBW Test Graph(s) (Channel Bandwidth: 10 MHz)\_HCH\_QPSK



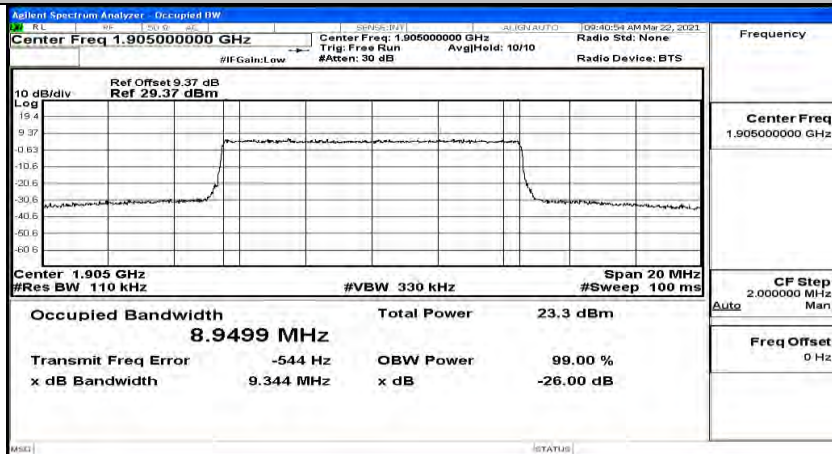
## EBW &amp; OBW Test Graph(s) (Channel Bandwidth: 10 MHz)\_LCH\_16QAM



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

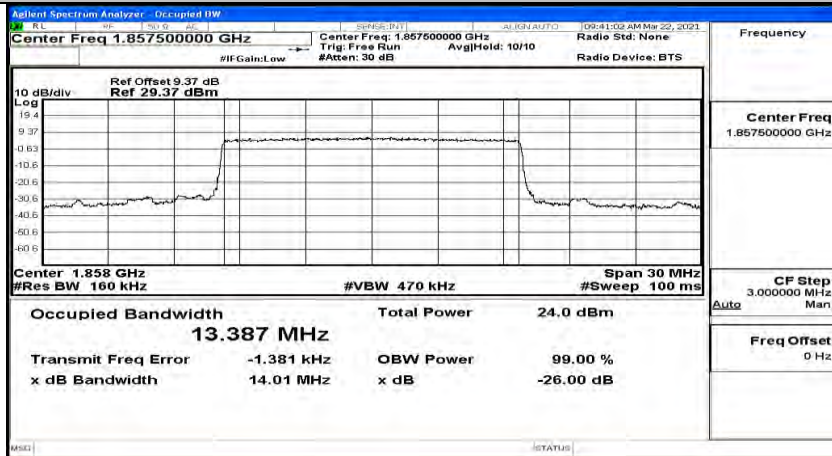


## EBW &amp; OBW Test Graph(s) (Channel Bandwidth: 10 MHz)\_HCH\_16QAM

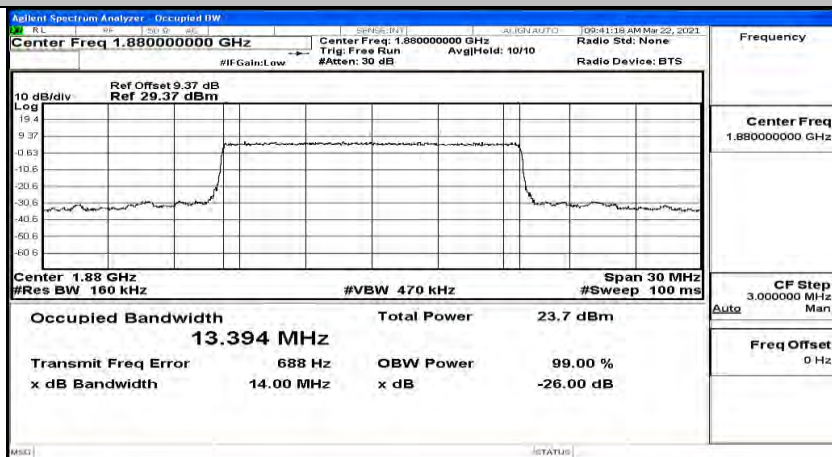




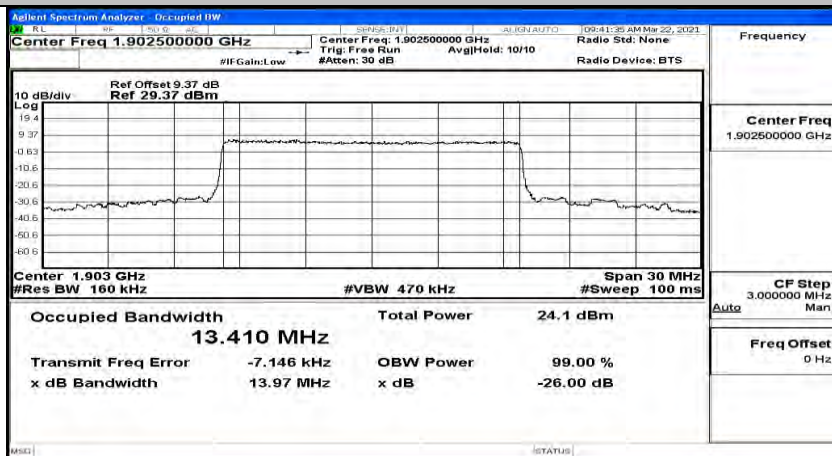
## EBW &amp; OBW Test Graph(s) (Channel Bandwidth:15 MHz)\_LCH\_QPSK



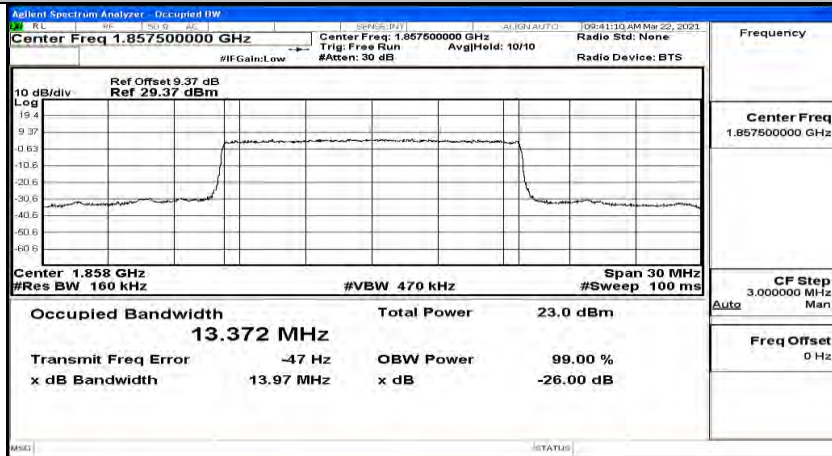
## EBW &amp; OBW Test Graph(s) (Channel Bandwidth:15 MHz)\_MCH\_QPSK



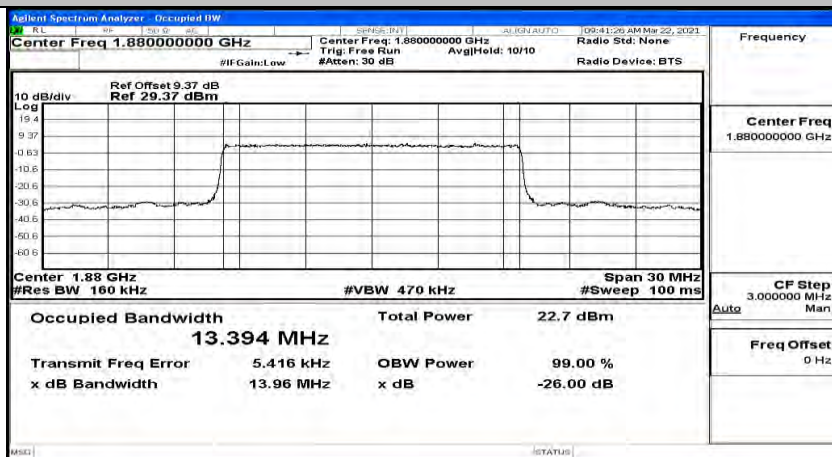
## EBW &amp; OBW Test Graph(s) (Channel Bandwidth:15 MHz)\_HCH\_QPSK



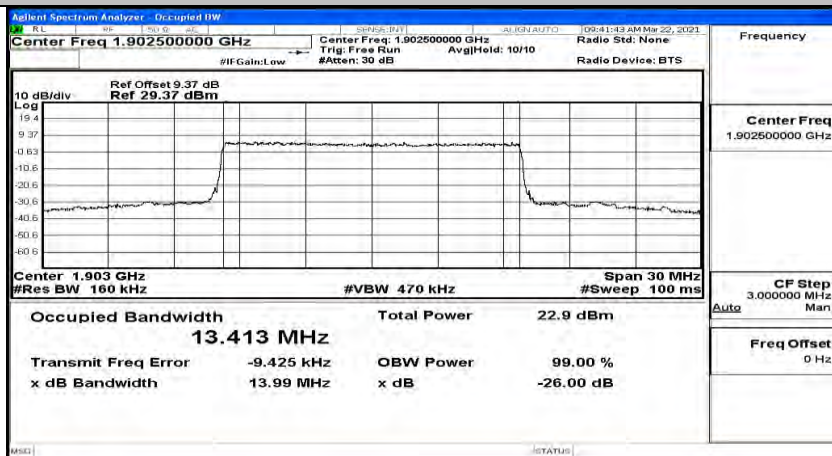
## EBW &amp; OBW Test Graph(s) (Channel Bandwidth:15 MHz)\_LCH\_16QAM



## EBW &amp; OBW Test Graph(s) (Channel Bandwidth:15 MHz)\_MCH\_16QAM

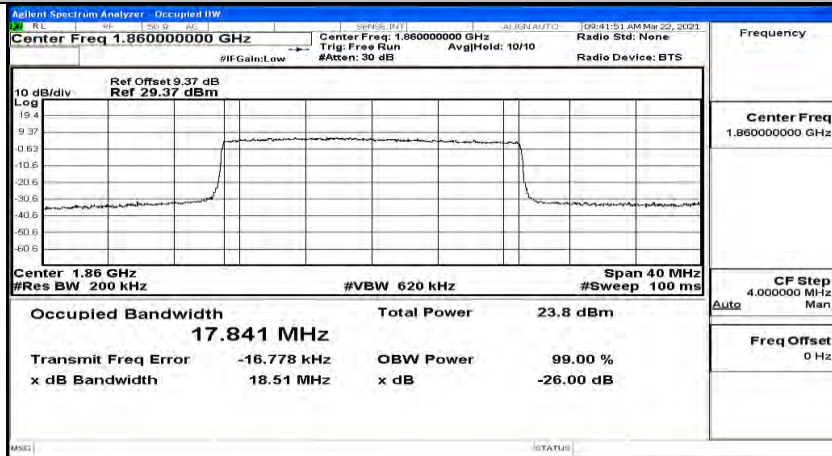


## EBW &amp; OBW Test Graph(s) (Channel Bandwidth:15 MHz)\_HCH\_16QAM

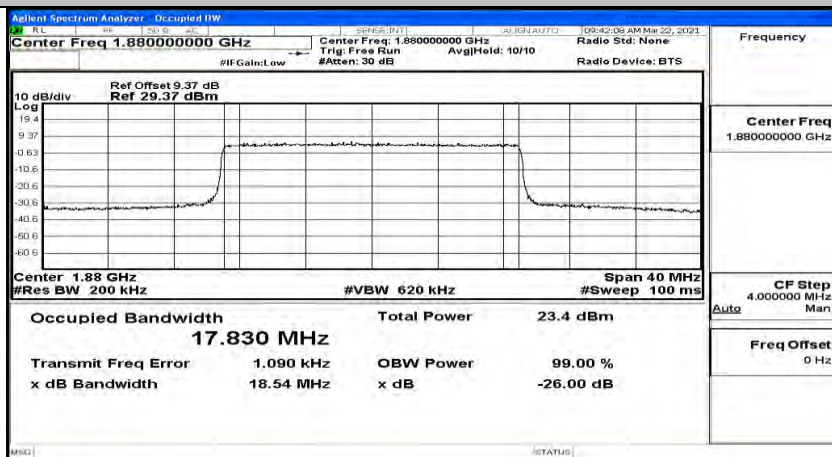




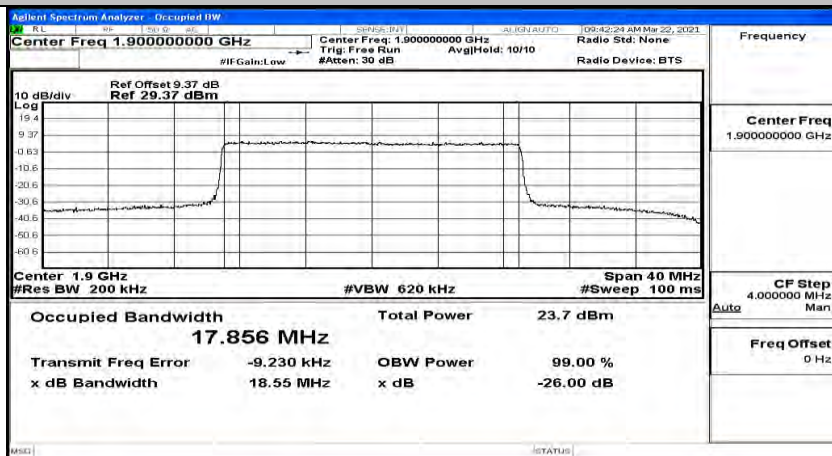
## EBW &amp; OBW Test Graph(s) (Channel Bandwidth:20 MHz)\_LCH\_QPSK



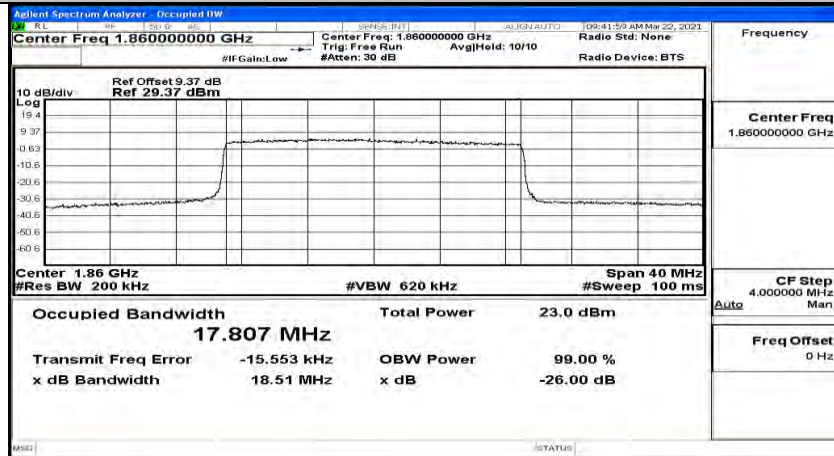
## EBW &amp; OBW Test Graph(s) (Channel Bandwidth:20 MHz)\_MCH\_QPSK



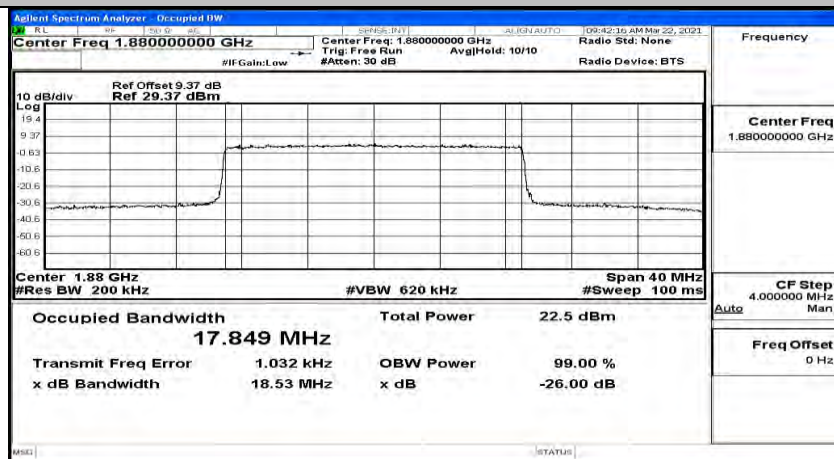
## EBW &amp; OBW Test Graph(s) (Channel Bandwidth:20 MHz)\_HCH\_QPSK



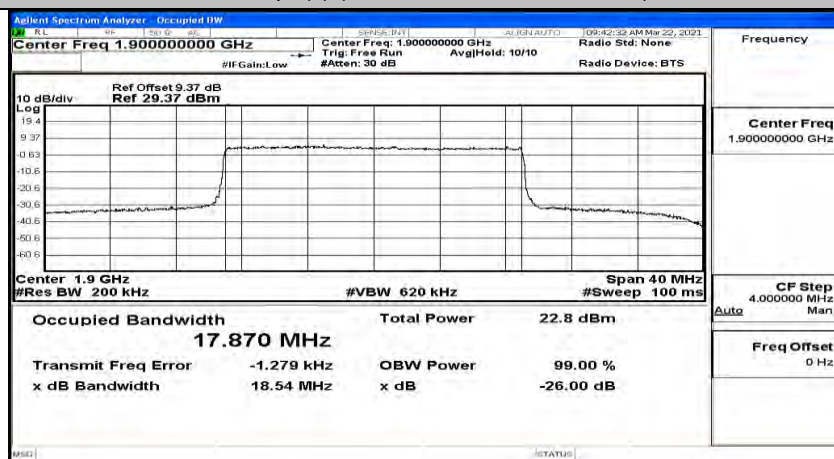
## EBW &amp; OBW Test Graph(s) (Channel Bandwidth:20 MHz)\_LCH\_16QAM



## EBW &amp; OBW Test Graph(s) (Channel Bandwidth:20 MHz)\_MCH\_16QAM

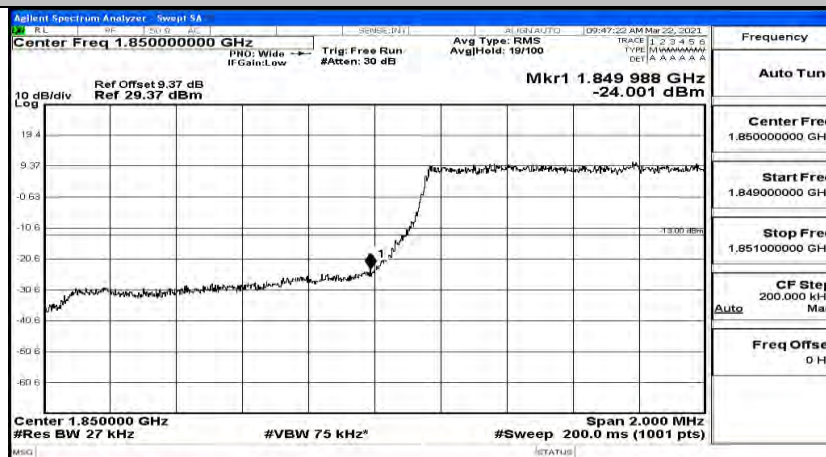


## EBW &amp; OBW Test Graph(s) (Channel Bandwidth:20 MHz)\_HCH\_16QAM

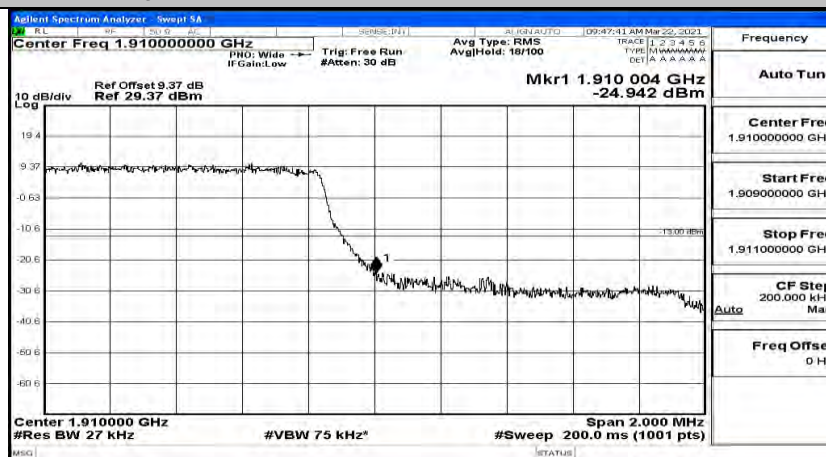


## D.4 Band Edge

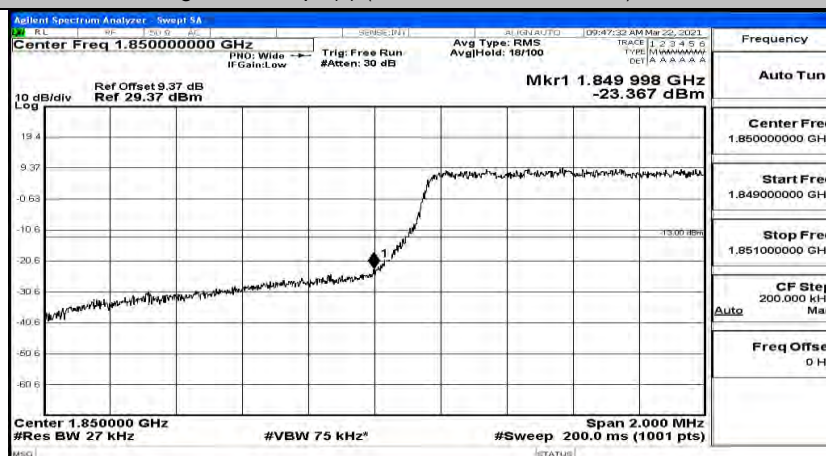
Band Edge Test Graph(s) (Channel Bandwidth: 1.4 MHz)\_LCH\_QPSK



Band Edge Test Graph(s) (Channel Bandwidth: 1.4 MHz)\_HCH\_QPSK



Band Edge Test Graph(s) (Channel Bandwidth: 1.4 MHz)\_LCH\_16QAM

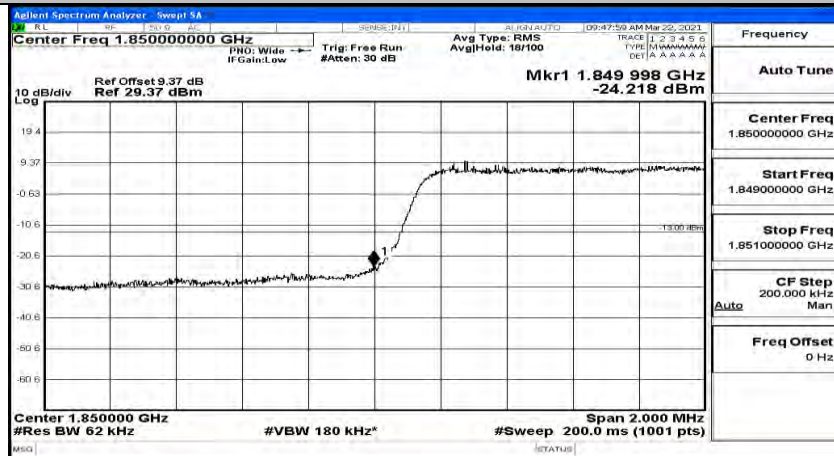




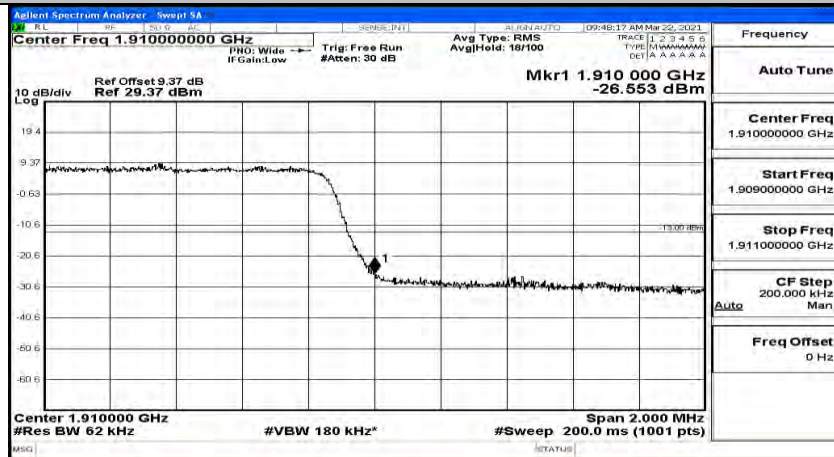
## Band Edge Test Graph(s) (Channel Bandwidth: 1.4 MHz)\_HCH\_16QAM



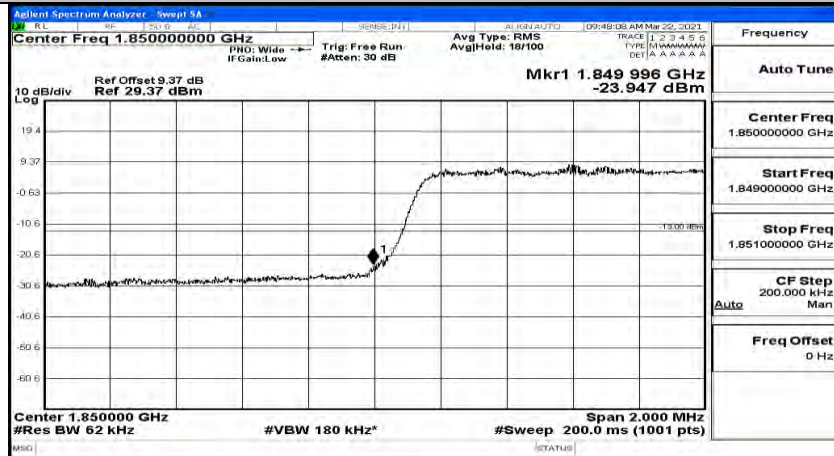
## Band Edge Test Graph(s) (Channel Bandwidth: 3 MHz)\_LCH\_QPSK



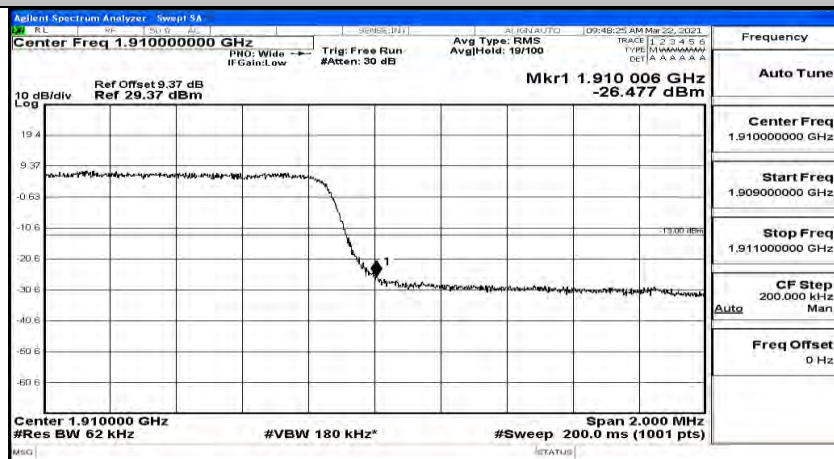
## Band Edge Test Graph(s) (Channel Bandwidth: 3 MHz)\_HCH\_QPSK



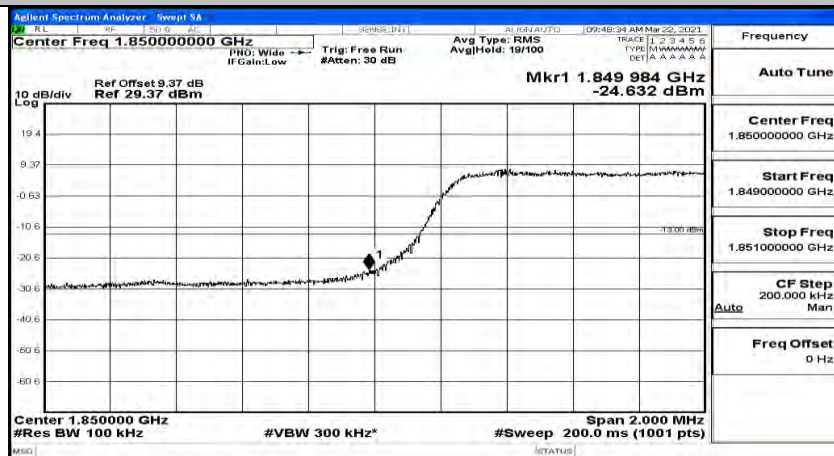
## Band Edge Test Graph(s) (Channel Bandwidth: 3 MHz)\_LCH\_16QAM



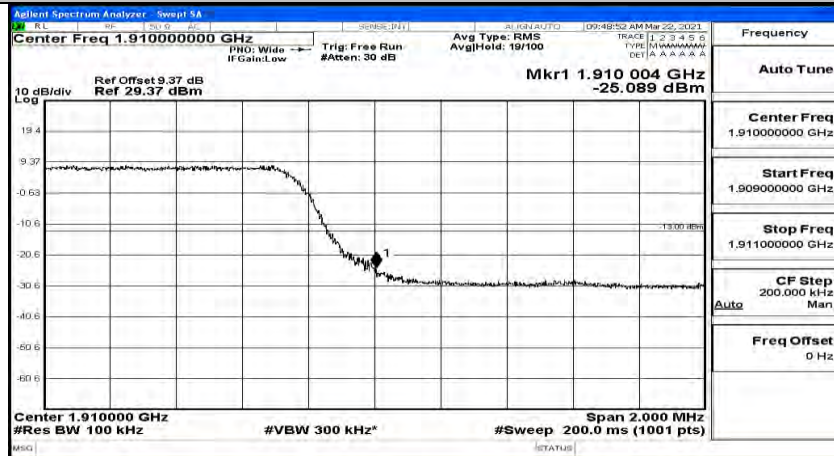
## Band Edge Test Graph(s) (Channel Bandwidth: 3 MHz)\_HCH\_16QAM



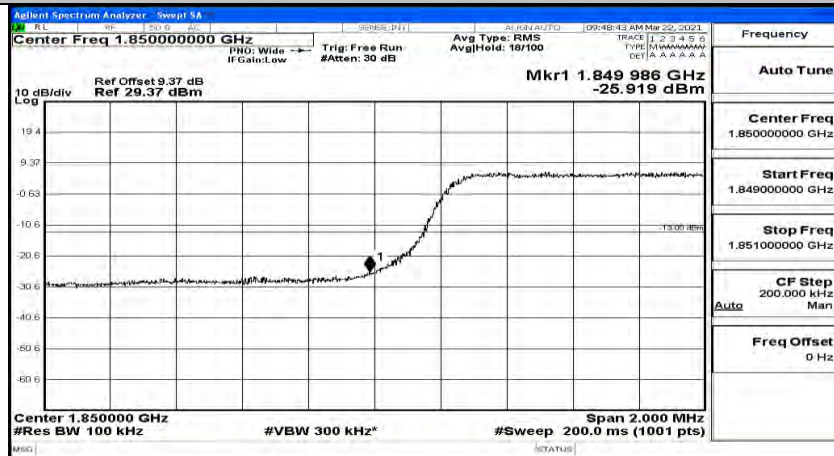
## Band Edge Test Graph(s) (Channel Bandwidth: 5 MHz)\_LCH\_QPSK



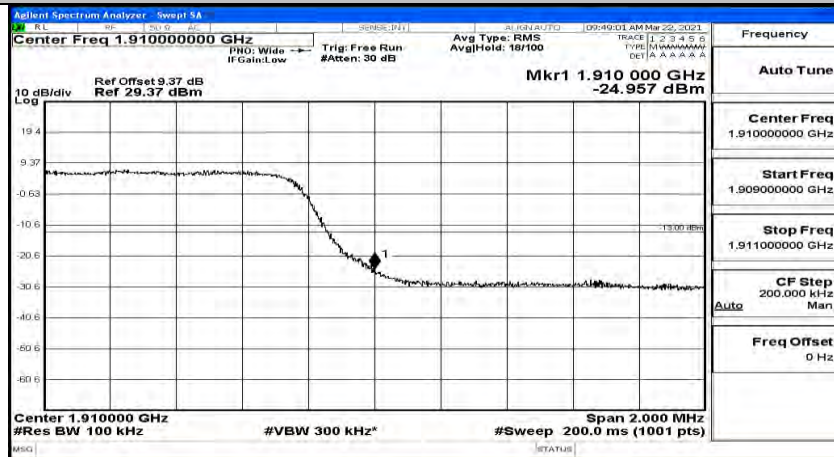
## Band Edge Test Graph(s) (Channel Bandwidth: 5 MHz)\_HCH\_QPSK



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

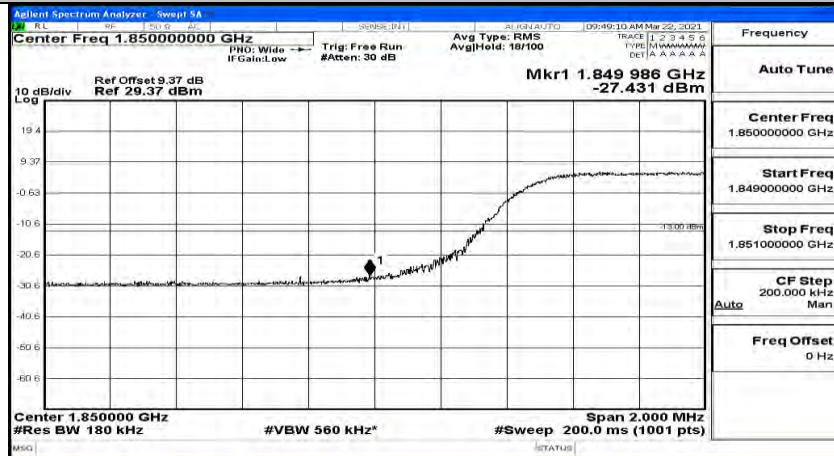


## Band Edge Test Graph(s) (Channel Bandwidth: 5 MHz)\_HCH\_16QAM

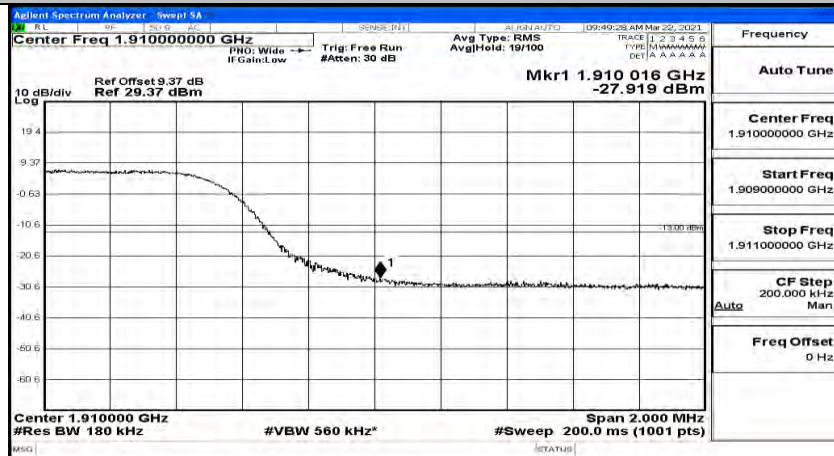




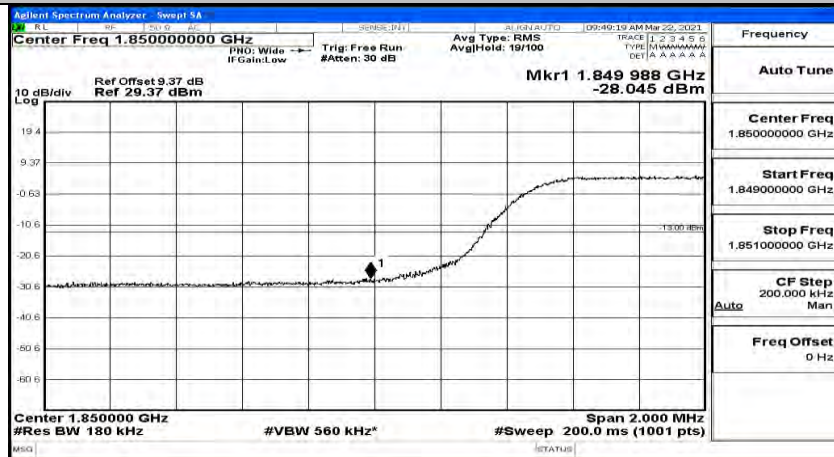
## Band Edge Test Graph(s) (Channel Bandwidth: 10 MHz)\_LCH\_QPSK



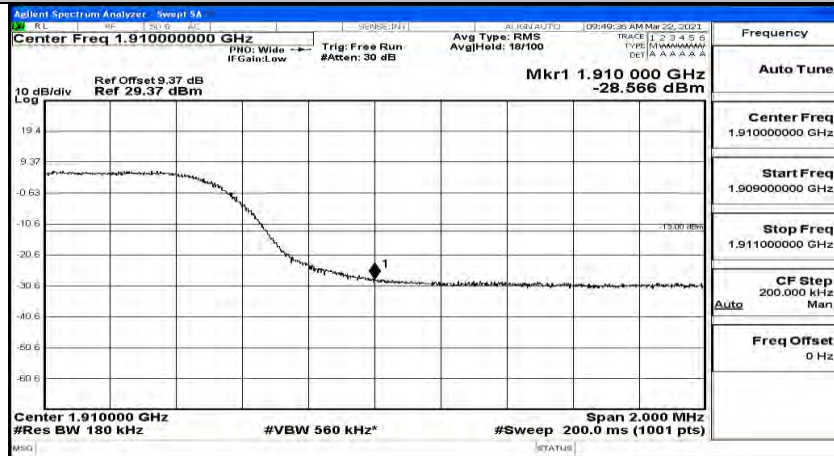
## Band Edge Test Graph(s) (Channel Bandwidth: 10 MHz)\_HCH\_QPSK



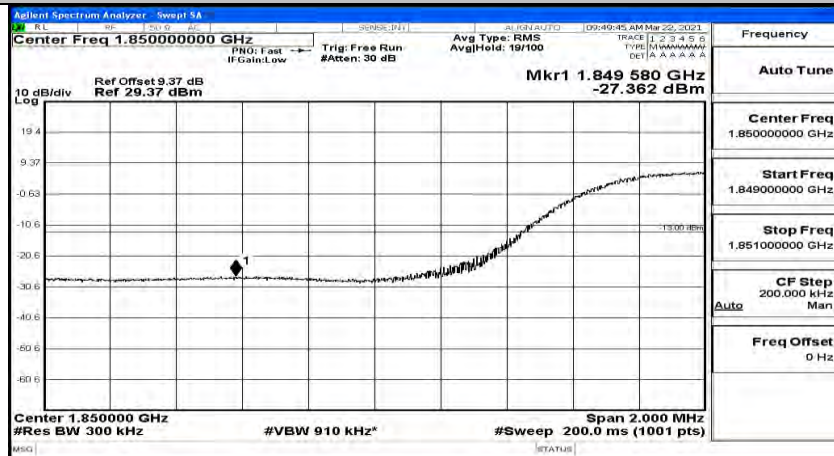
## Band Edge Test Graph(s) (Channel Bandwidth: 10 MHz)\_LCH\_16QAM



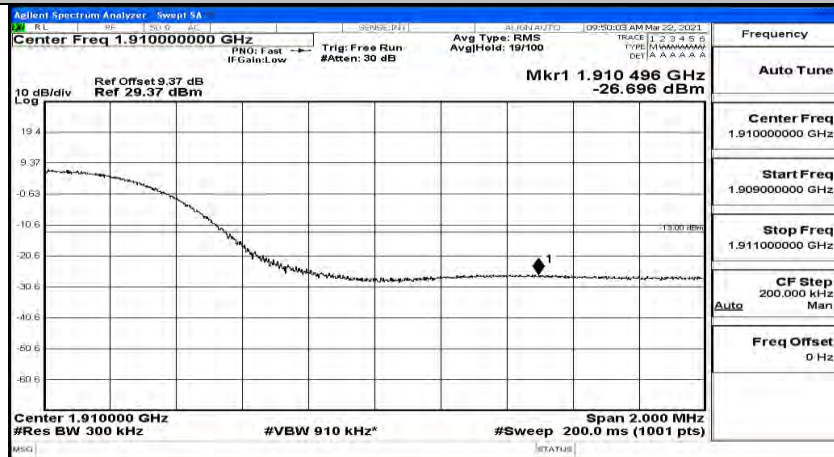
## Band Edge Test Graph(s) (Channel Bandwidth: 10 MHz)\_HCH\_16QAM



## Band Edge Test Graph(s) (Channel Bandwidth:15 MHz)\_LCH\_QPSK

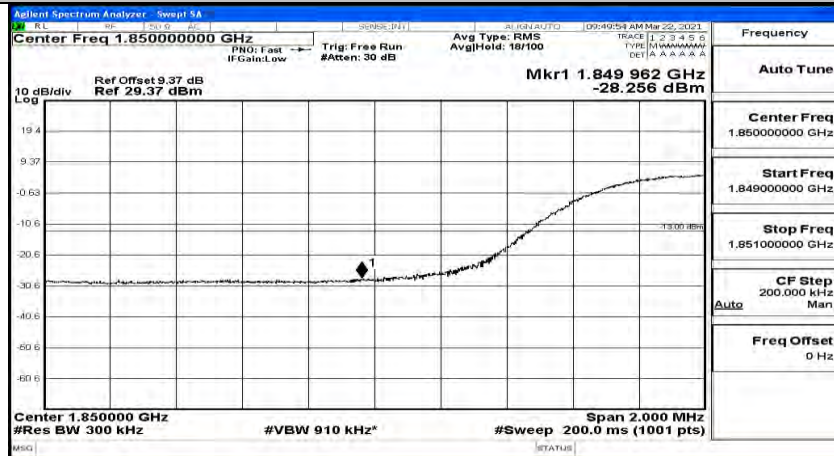


## Band Edge Test Graph(s) (Channel Bandwidth:15 MHz)\_HCH\_QPSK

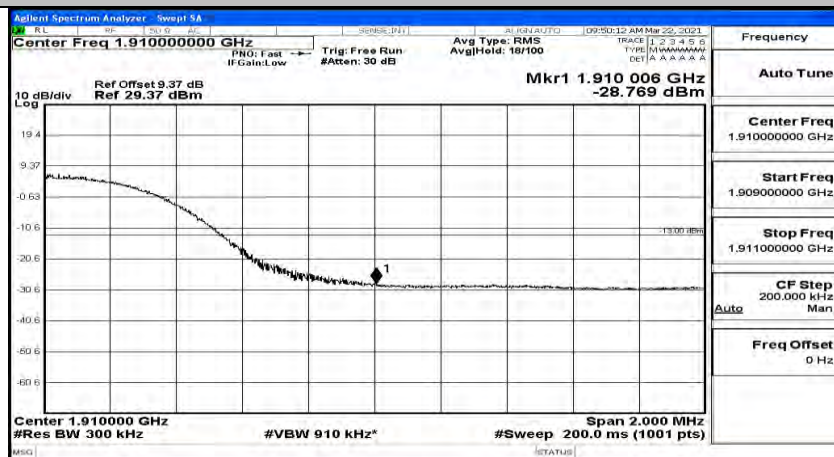




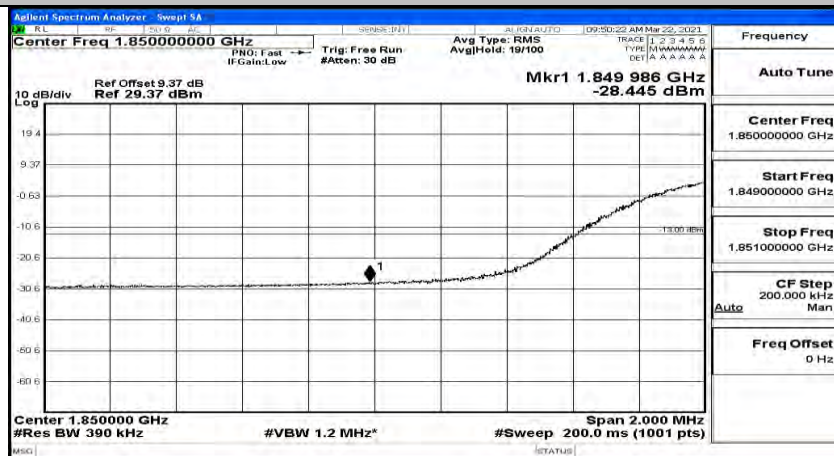
## Band Edge Test Graph(s) (Channel Bandwidth:15 MHz)\_LCH\_16QAM



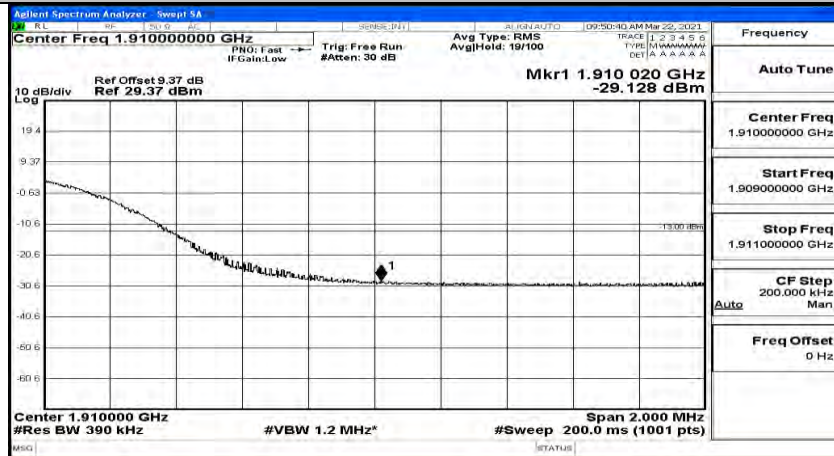
## Band Edge Test Graph(s) (Channel Bandwidth:15 MHz)\_HCH\_16QAM



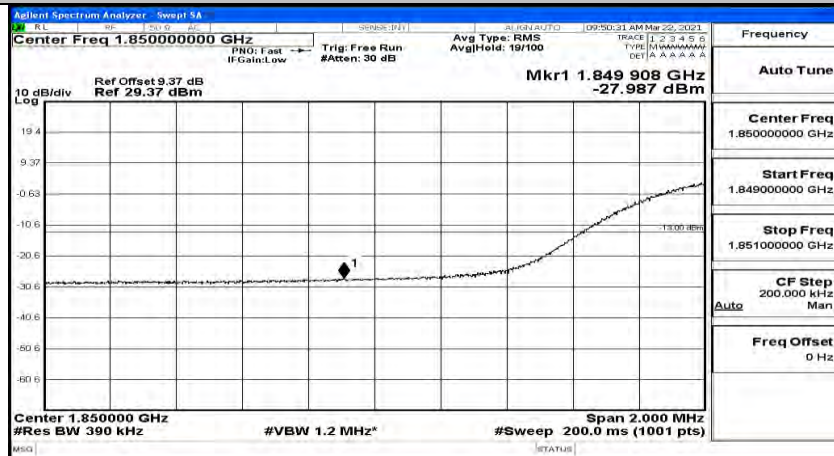
## Band Edge Test Graph(s) (Channel Bandwidth:20 MHz)\_LCH\_QPSK



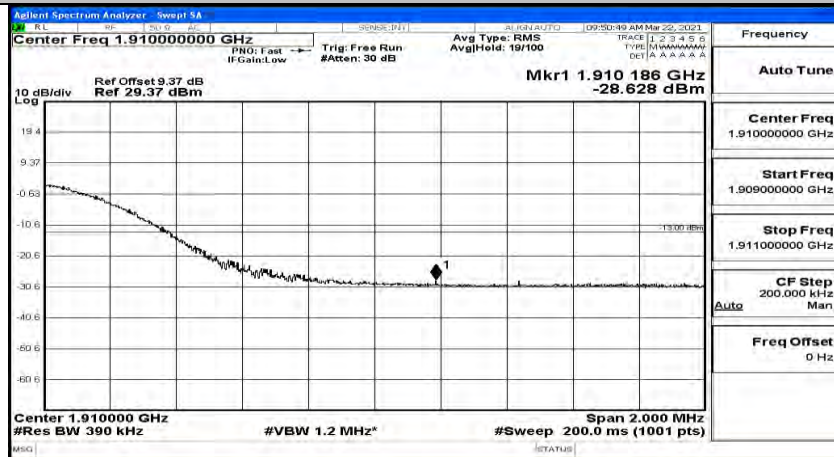
## Band Edge Test Graph(s) (Channel Bandwidth:20 MHz)\_HCH\_QPSK



## Band Edge Test Graph(s) (Channel Bandwidth:20 MHz)\_LCH\_16QAM



## Band Edge Test Graph(s) (Channel Bandwidth:20 MHz)\_HCH\_16QAM

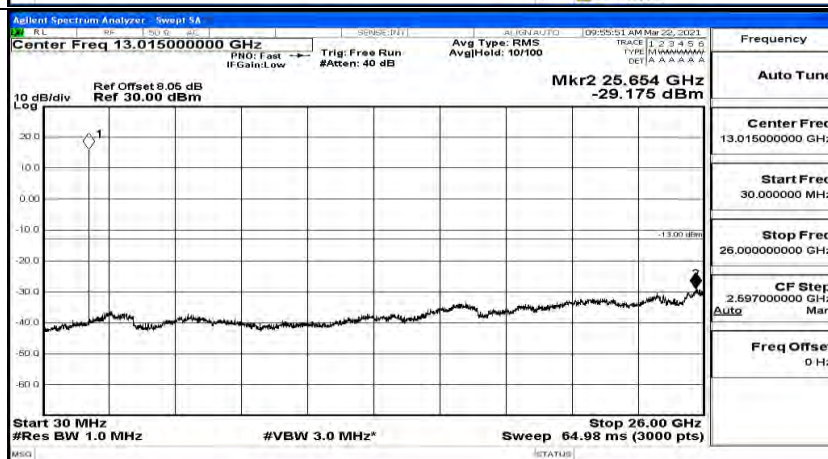
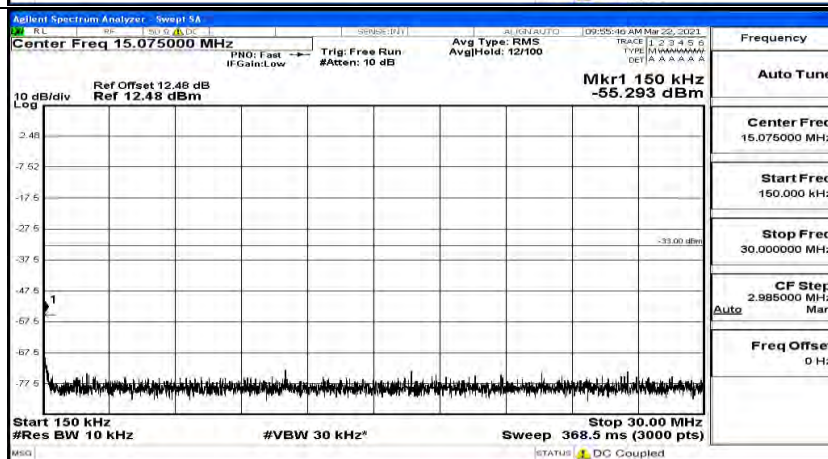
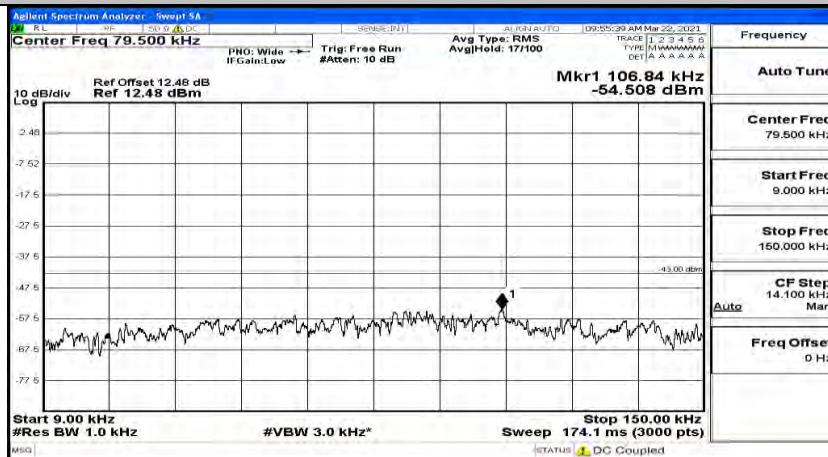


## D.5 Conducted Spurious Emission

### Test Graphs

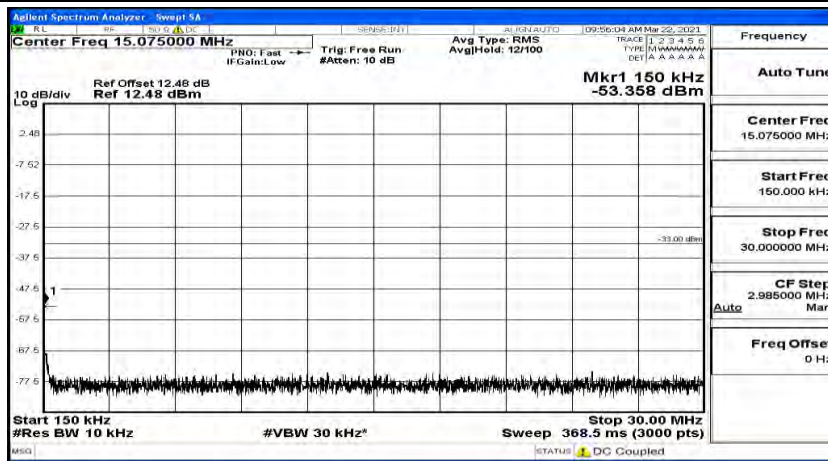
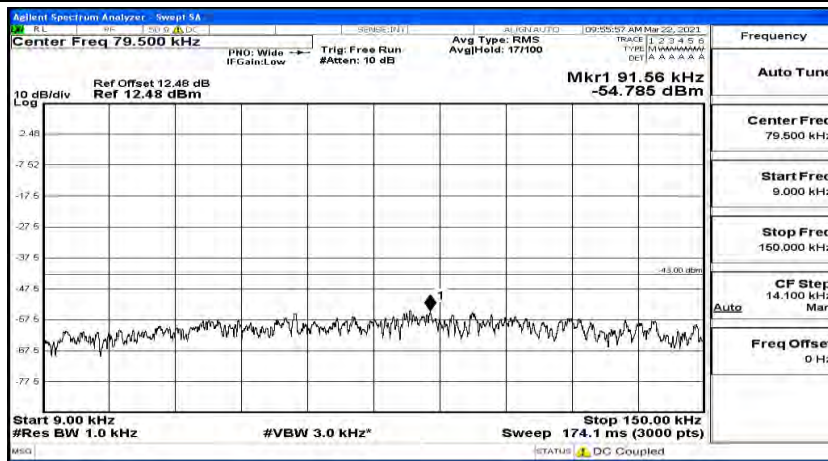
Channel Bandwidth: 1.4 MHz

(Channel Bandwidth: 1.4 MHz)\_LCH\_QPSK\_1RB#0

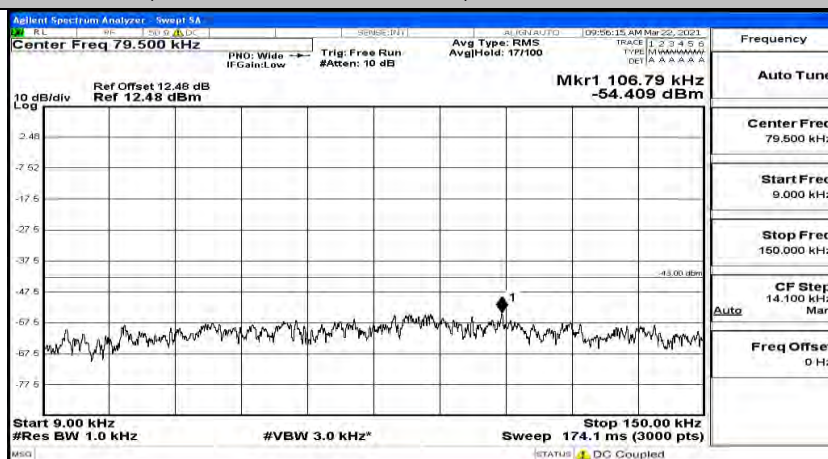


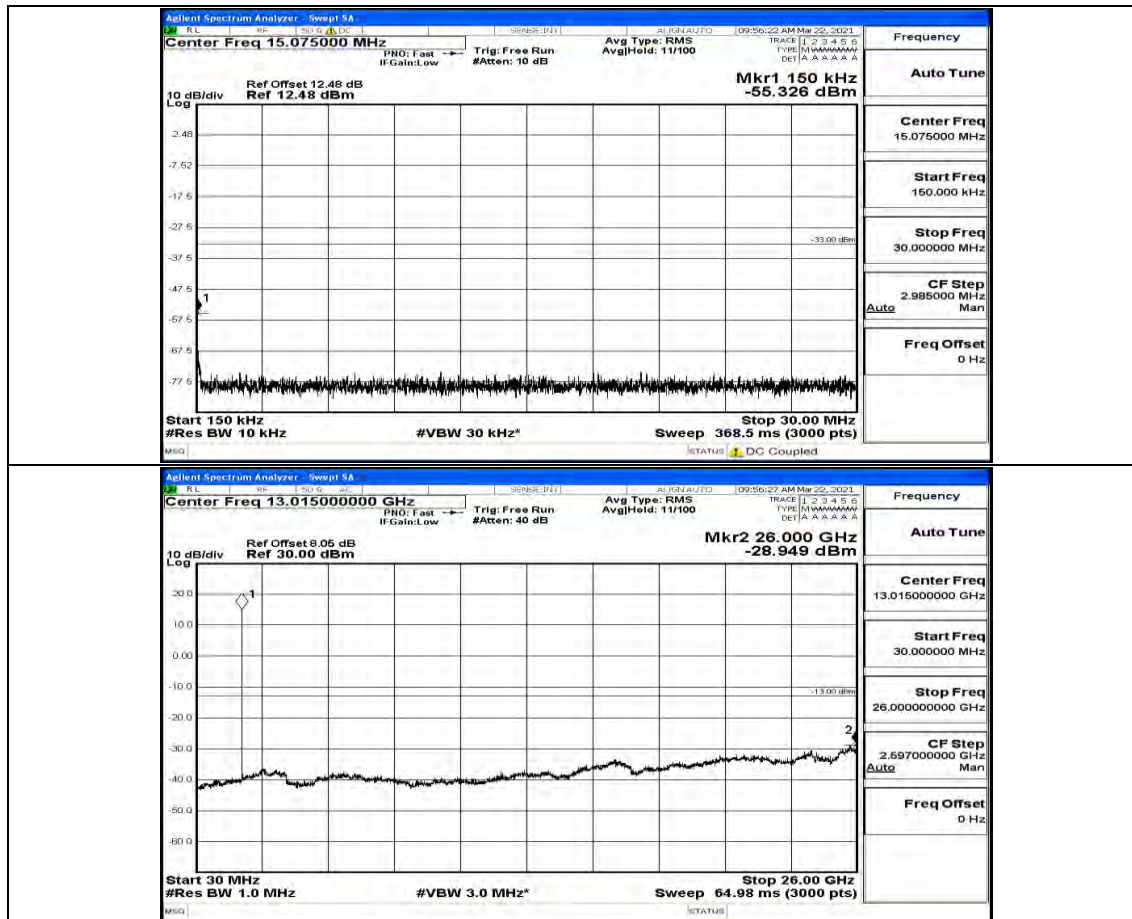
(Channel Bandwidth: 1.4 MHz)\_LCH\_QPSK\_1RB#3



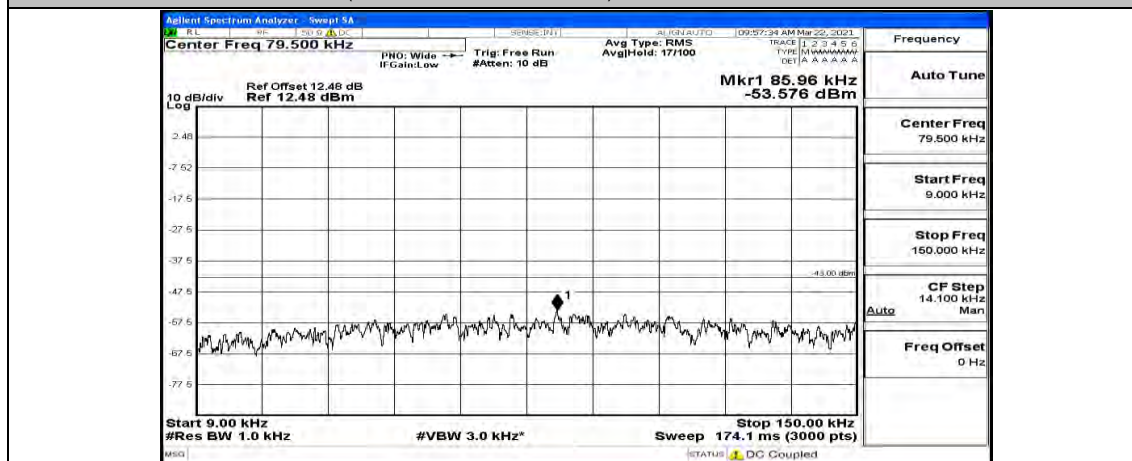


(Channel Bandwidth: 1.4 MHz)\_LCH\_QPSK\_1RB#5

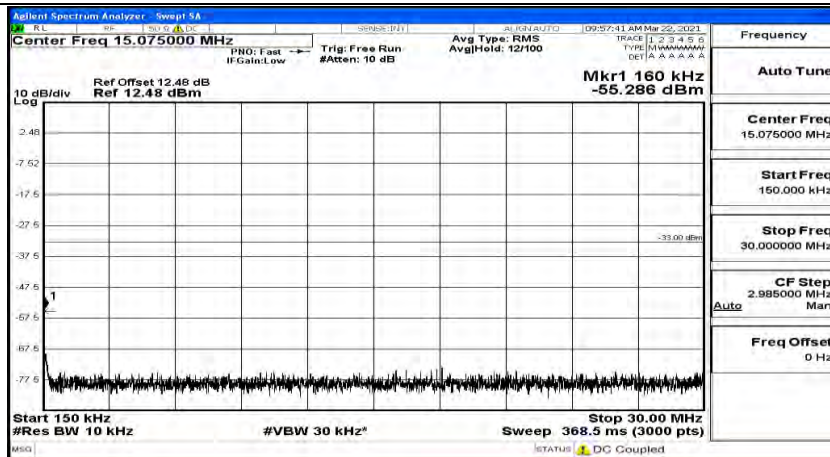




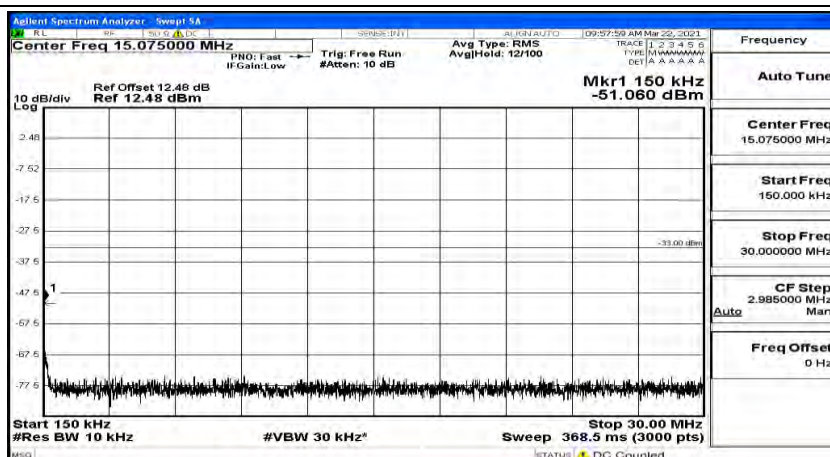
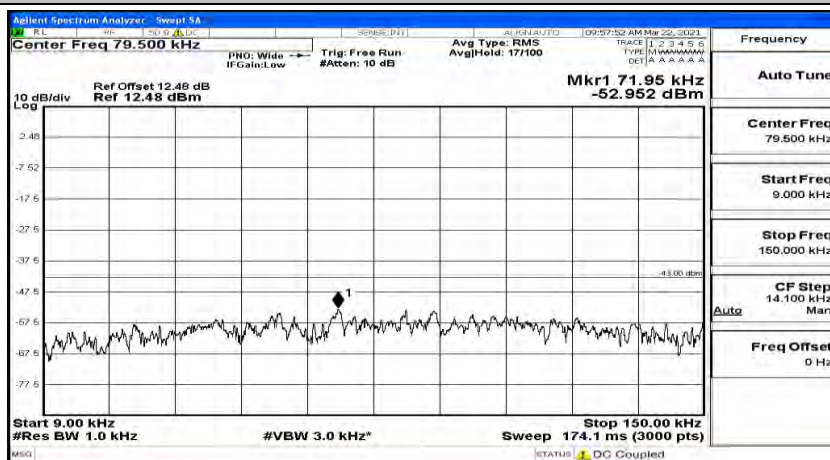
(Channel Bandwidth: 1.4 MHz)\_MCH\_QPSK\_1RB#0





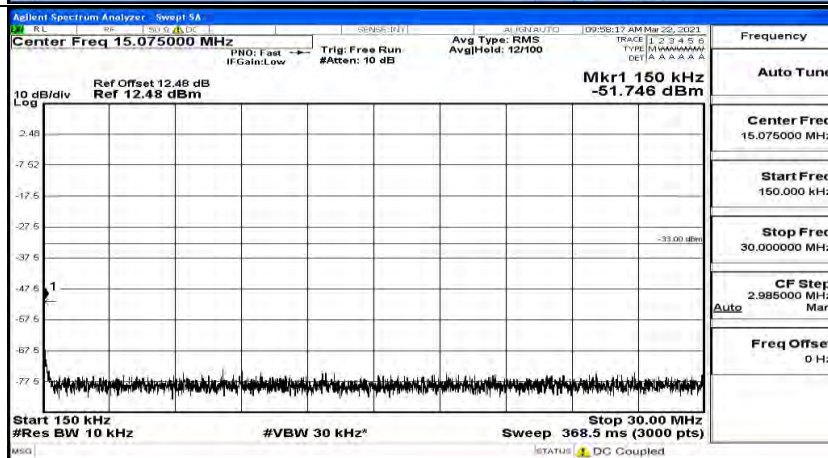
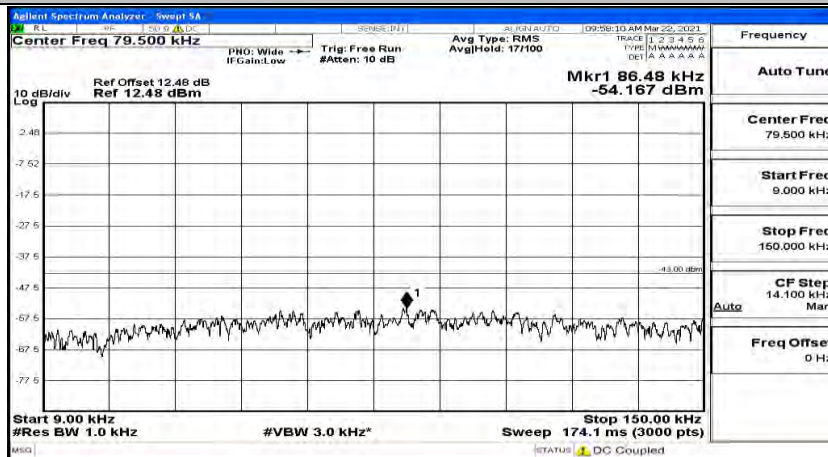


(Channel Bandwidth: 1.4 MHz)\_MCH\_QPSK\_1RB#3

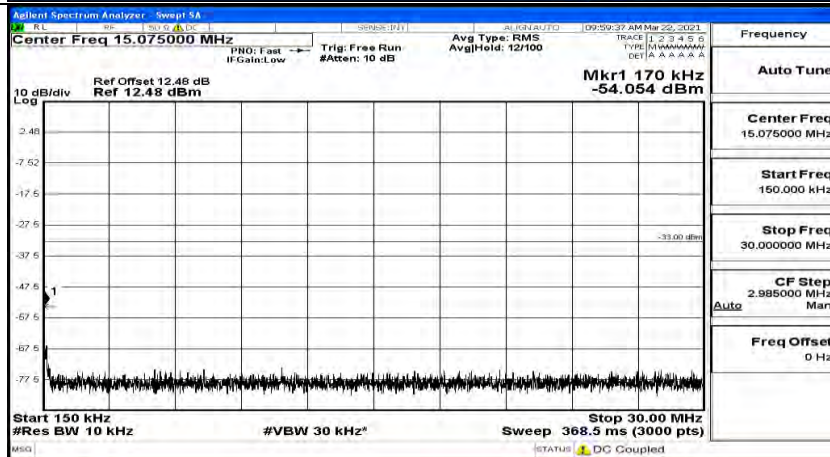
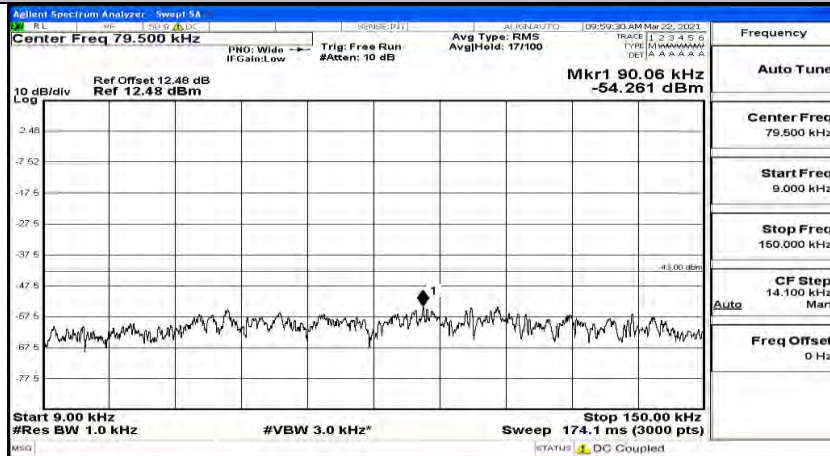




(Channel Bandwidth: 1.4 MHz)\_MCH\_QPSK\_1RB#5

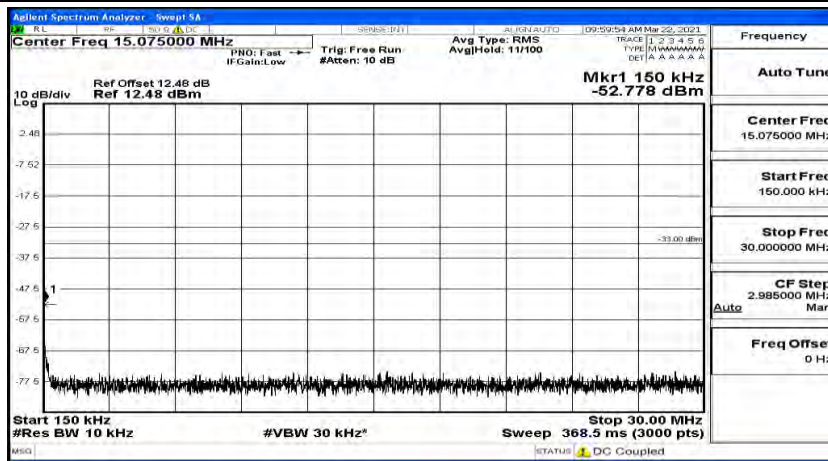
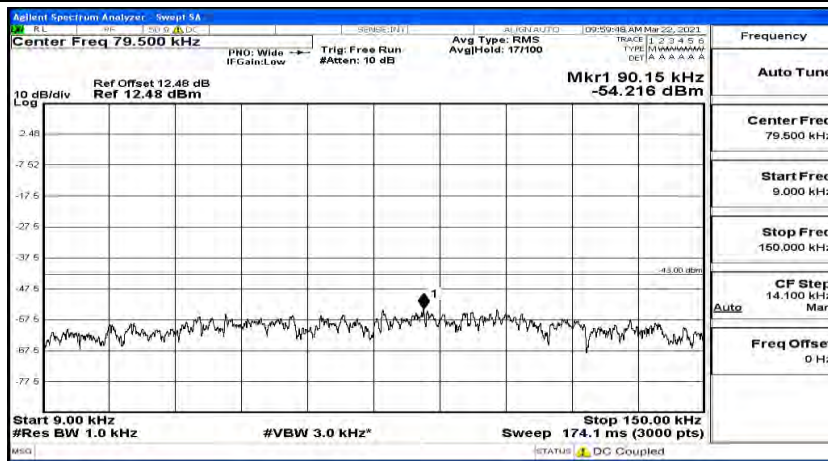


(Channel Bandwidth: 1.4 MHz)\_HCH\_QPSK\_1RB#0

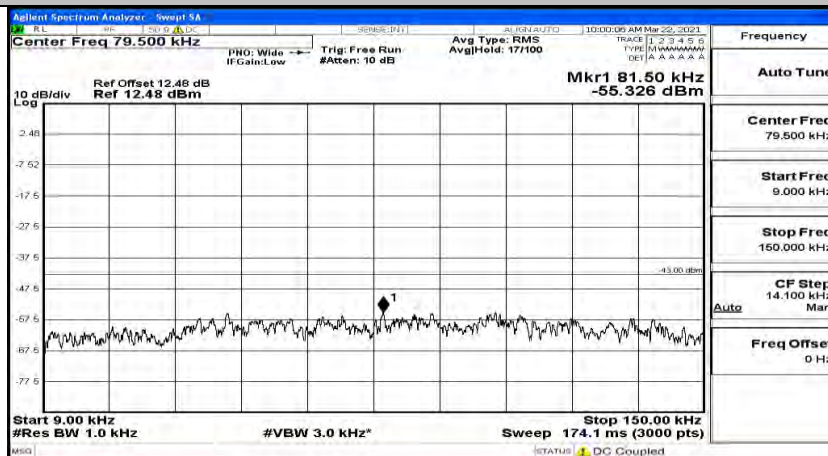


(Channel Bandwidth: 1.4 MHz)\_HCH\_QPSK\_1RB#3

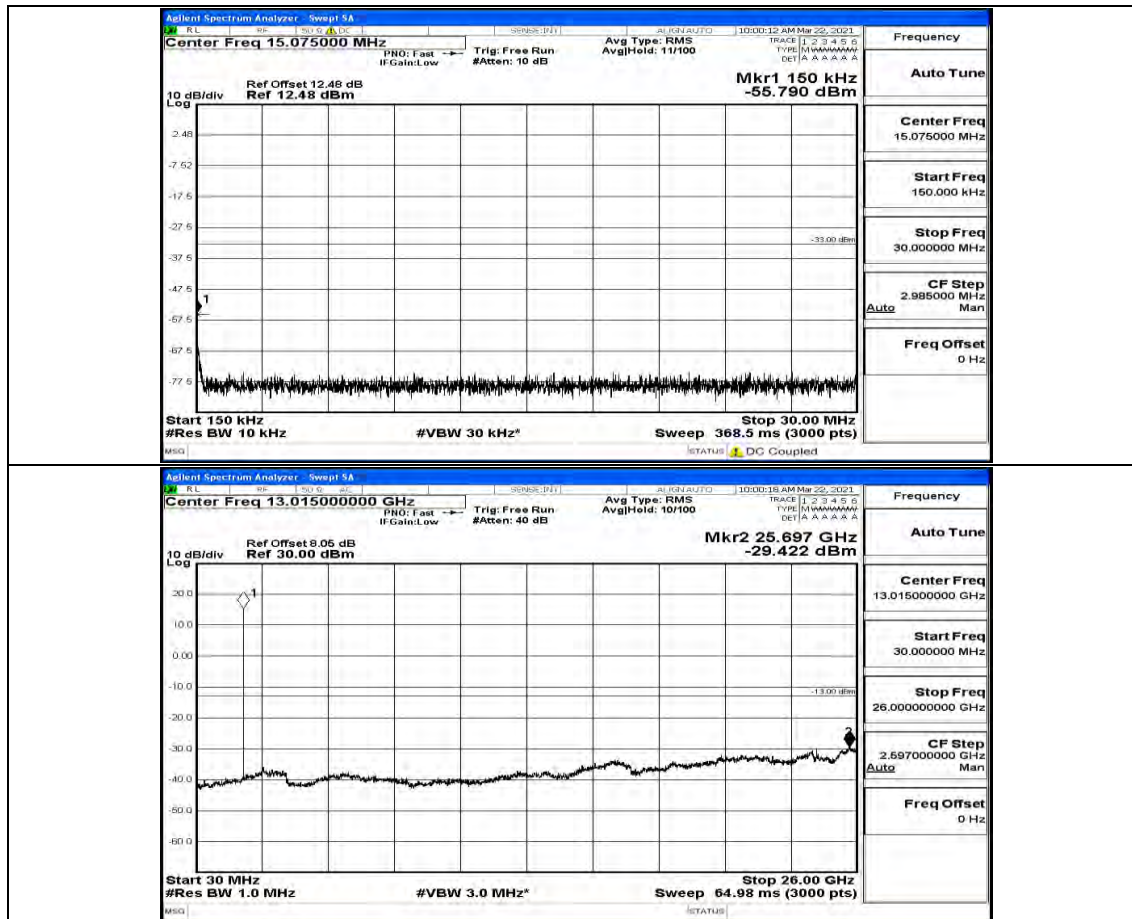




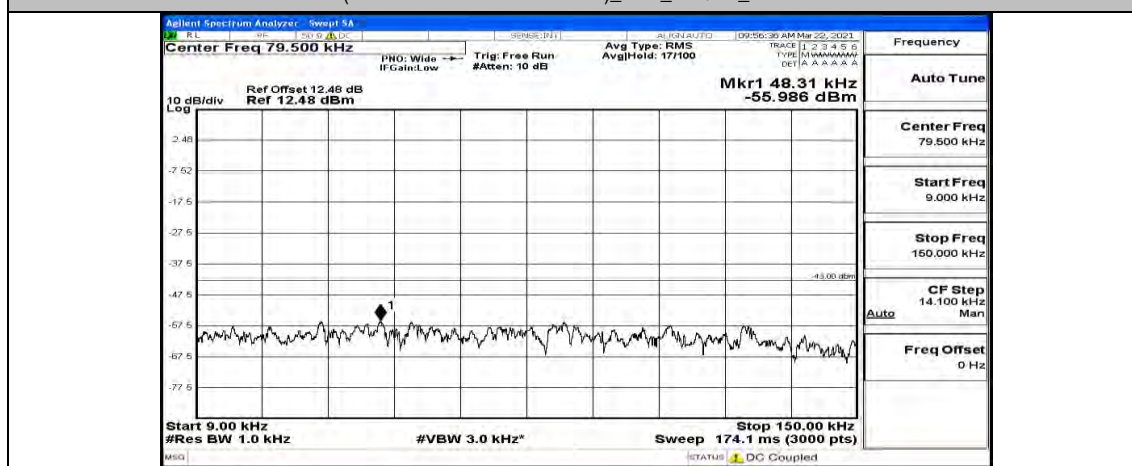
(Channel Bandwidth: 1.4 MHz)\_HCH\_QPSK\_1RB#5

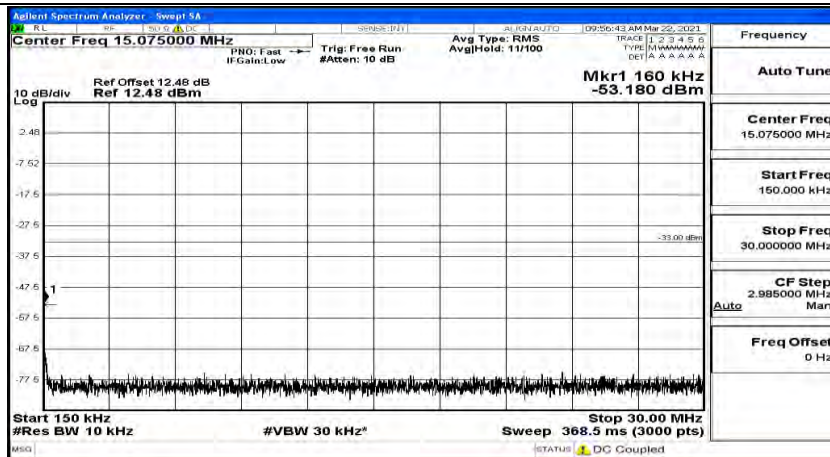




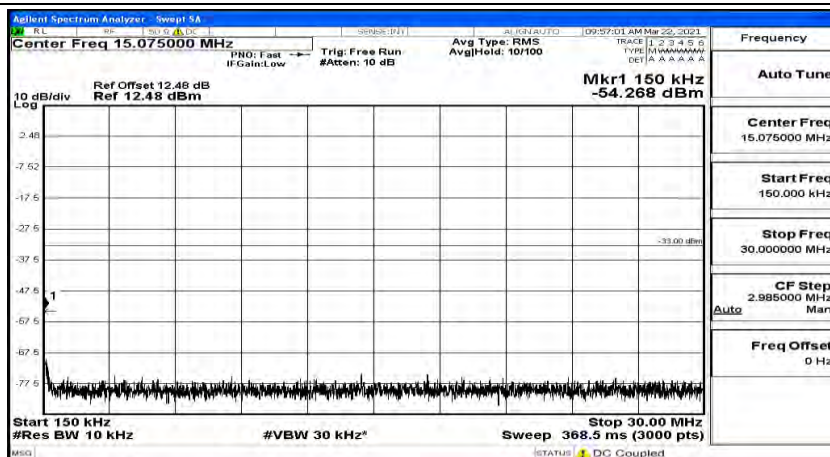
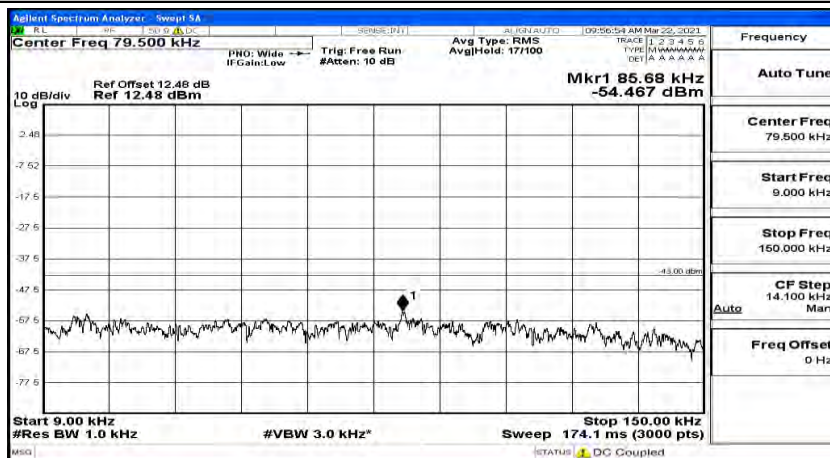


(Channel Bandwidth: 1.4 MHz)\_LCH\_16QAM\_1RB#0



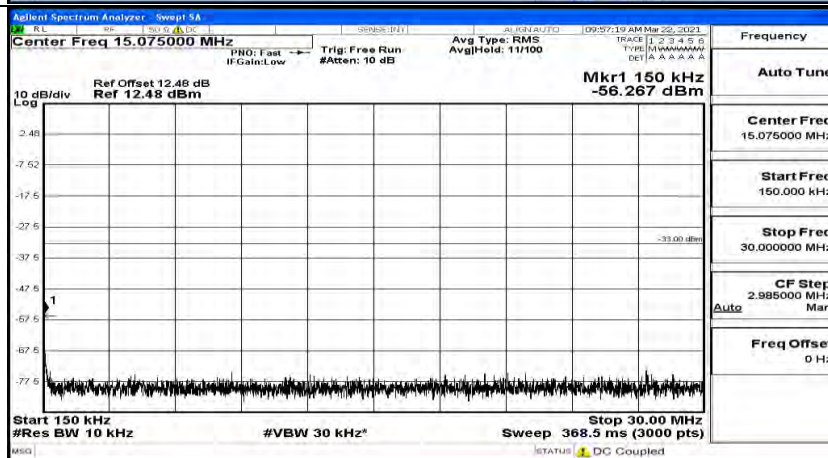
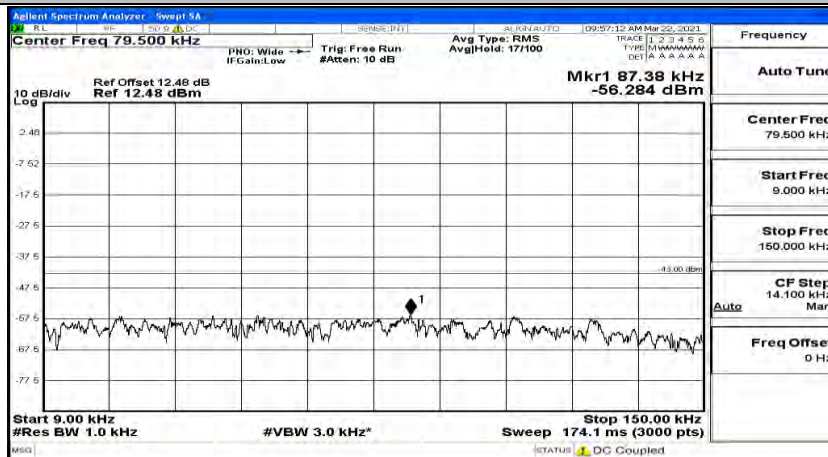


(Channel Bandwidth: 1.4 MHz)\_LCH\_16QAM\_1RB#3





(Channel Bandwidth: 1.4 MHz)\_LCH\_16QAM\_1RB#5





(Channel Bandwidth: 1.4 MHz)\_MCH\_16QAM\_1RB#0

**Agilent Spectrum Analyzer - Swept SA**

**Center Freq 79.500 kHz**

Ref Offset 12.48 dB  
Ref 12.48 dBm

Mkr1 91.56 kHz  
-53.248 dBm

Start 9.00 kHz  
#Res BW 1.0 kHz

Stop 150.00 kHz  
Sweep 174.1 ms (3000 pts)

#VBW 3.0 kHz\*

Trig: Free Run  
#Atten: 10 dB

Avg Type: RMS  
AvgHeld: 17/100

Frequency

Auto Tune

Center Freq  
79.500 kHz

Start Freq  
9.000 kHz

Stop Freq  
150.000 kHz

CF Step  
14.100 kHz  
Man

Freq Offset  
0 Hz

**Agilent Spectrum Analyzer - Swept SA**

**Center Freq 15.075000 MHz**

Ref Offset 12.48 dB  
Ref 12.48 dBm

Mkr1 160 kHz  
-54.100 dBm

Start 150 kHz  
#Res BW 10 kHz

Stop 30.00 MHz  
Sweep 368.5 ms (3000 pts)

#VBW 30 kHz\*

Trig: Free Run  
#Atten: 10 dB

Avg Type: RMS  
AvgHeld: 12/100

Frequency

Auto Tune

Center Freq  
15.075000 MHz

Start Freq  
150.000 kHz

Stop Freq  
30.000000 MHz

CF Step  
2.985000 MHz  
Man

Freq Offset  
0 Hz

**Agilent Spectrum Analyzer - Swept SA**

**Center Freq 13.015000000 GHz**

Ref Offset 8.05 dB  
Ref 30.00 dBm

Mkr2 25.688 GHz  
-29.299 dBm

Start 30 MHz  
#Res BW 1.0 MHz

Stop 26.00 GHz  
Sweep 64.98 ms (3000 pts)

#VBW 3.0 MHz\*

Trig: Free Run  
#Atten: 40 dB

Avg Type: RMS  
AvgHeld: 10/100

Frequency

Auto Tune

Center Freq  
13.015000000 GHz

Start Freq  
30.000000 MHz

Stop Freq  
26.000000000 GHz

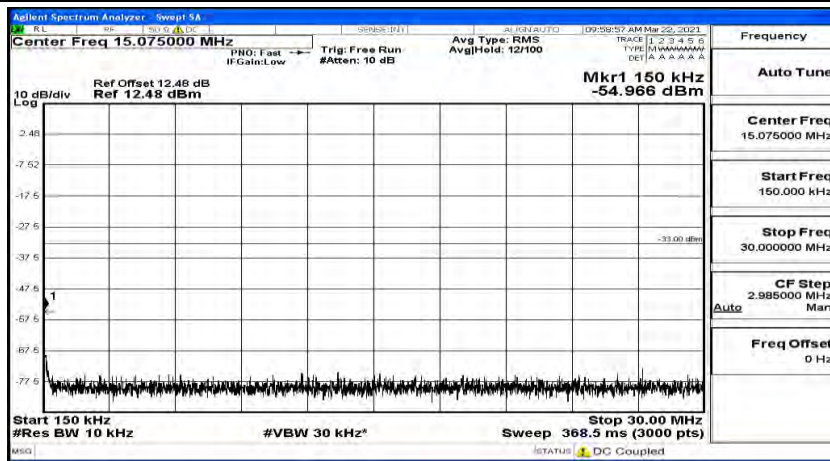
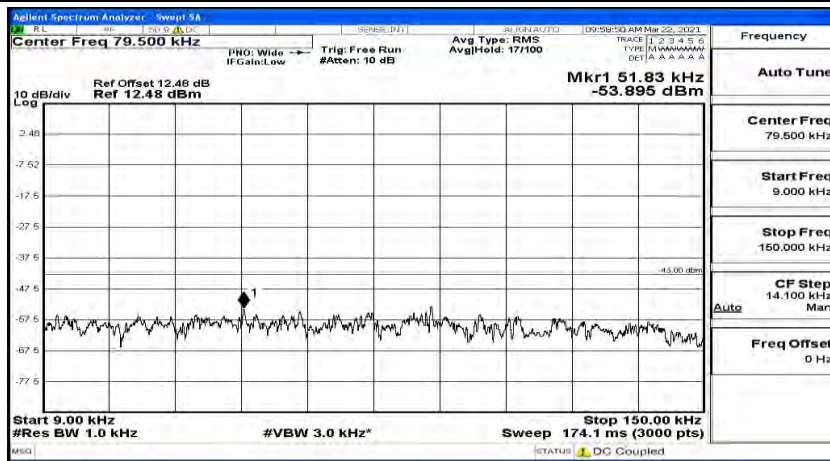
CF Step  
2.697000000 GHz  
Man

Freq Offset  
0 Hz

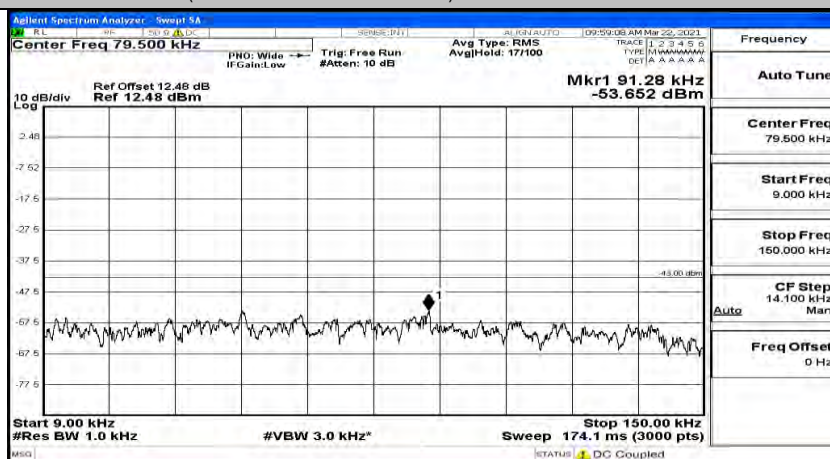
(Channel Bandwidth: 1.4 MHz)\_MCH\_16QAM\_1RB#3

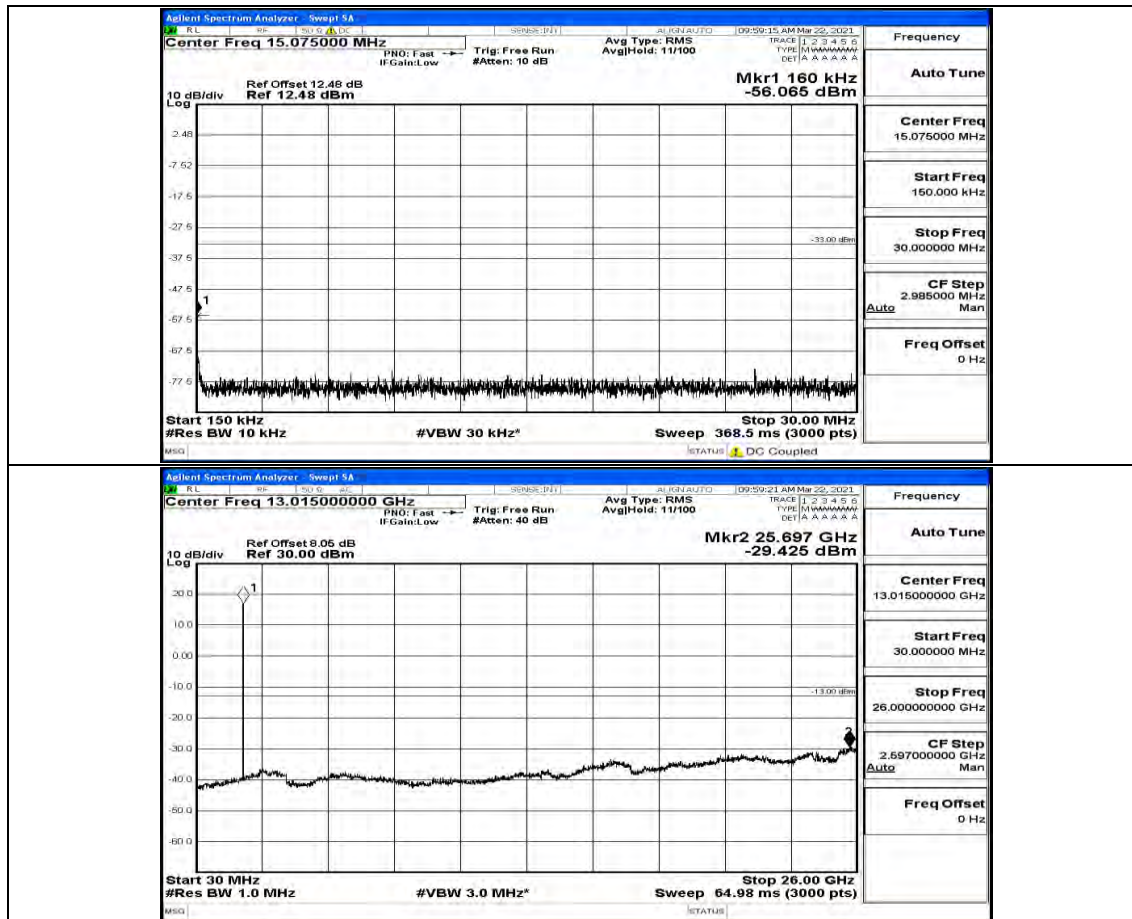
(Channel Bandwidth: 1.4 MHz)\_MCH\_16QAM\_1RB#3



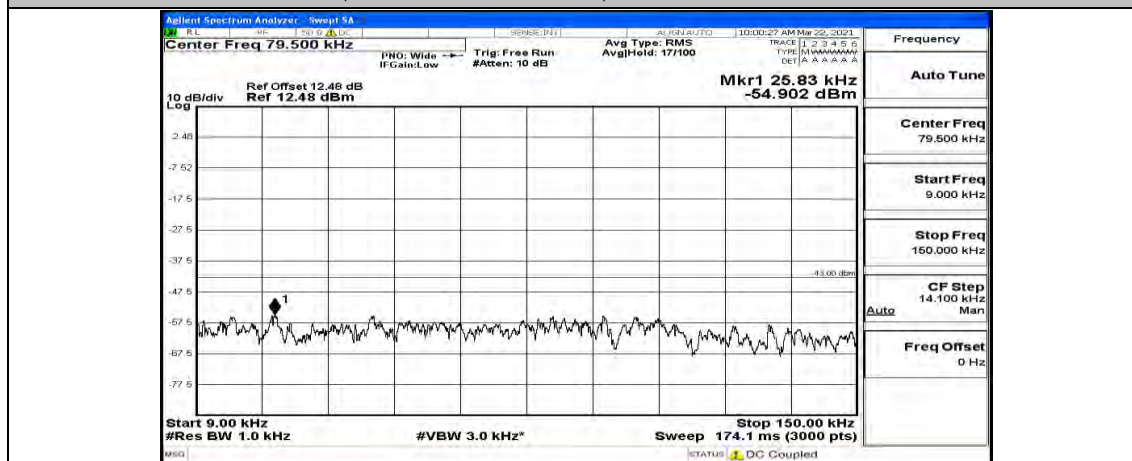


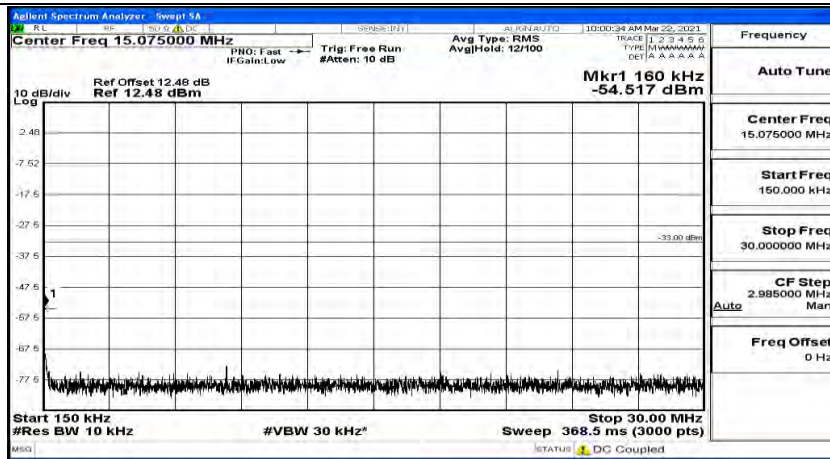
(Channel Bandwidth: 1.4 MHz)\_MCH\_16QAM\_1RB#5



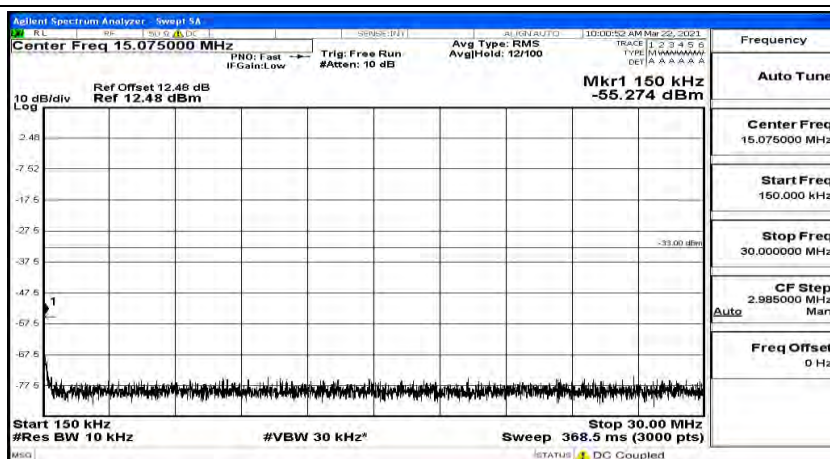
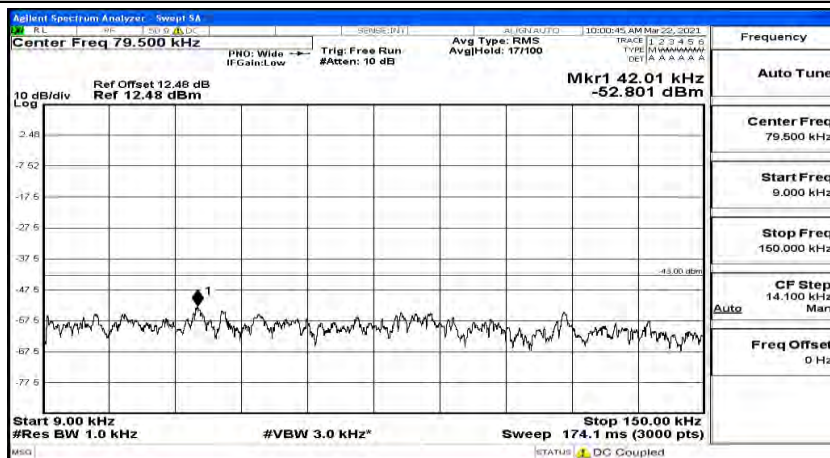


(Channel Bandwidth: 1.4 MHz)\_HCH\_16QAM\_1RB#0





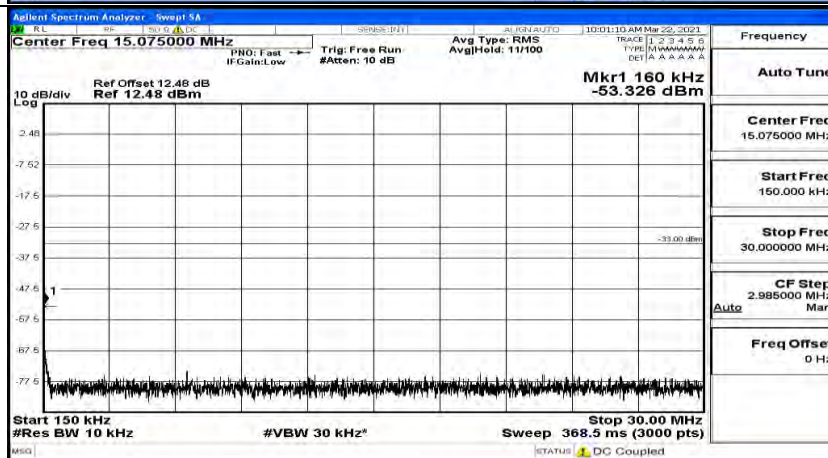
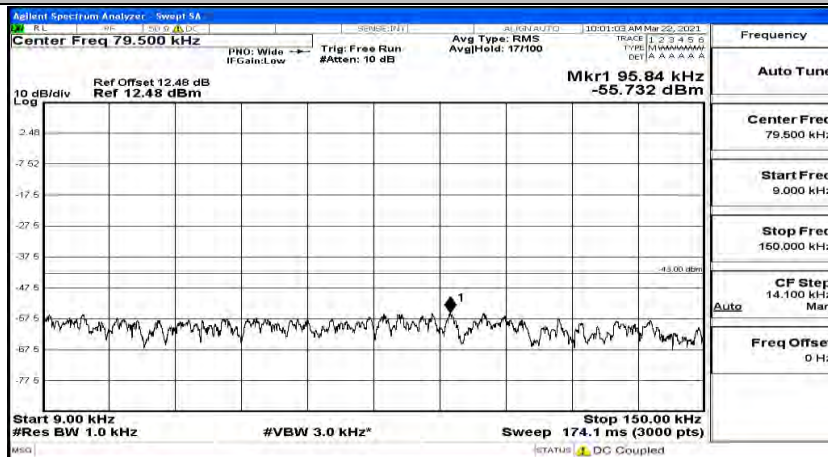
(Channel Bandwidth: 1.4 MHz)\_HCH\_16QAM\_1RB#3







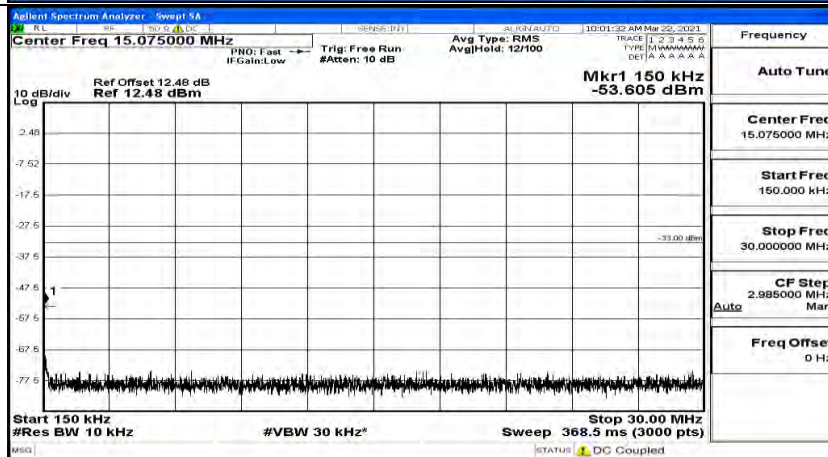
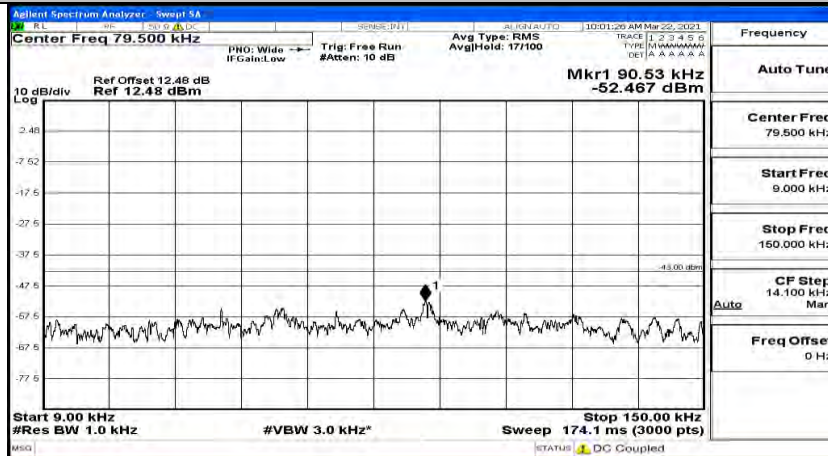
(Channel Bandwidth: 1.4 MHz)\_HCH\_16QAM\_1RB#5



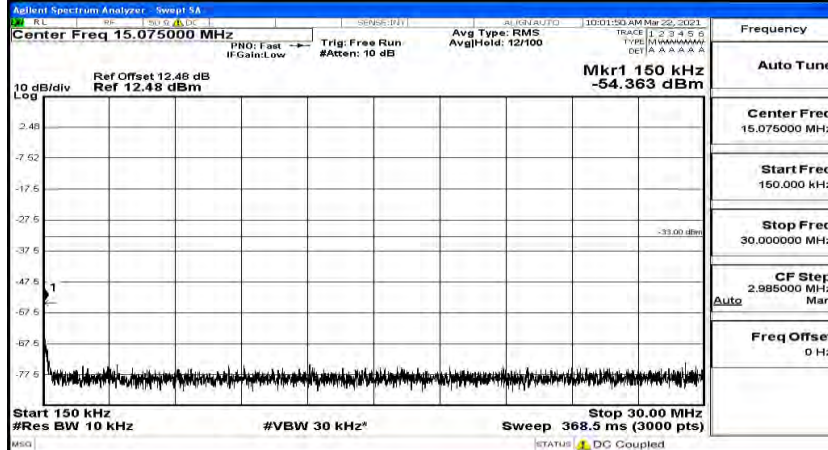
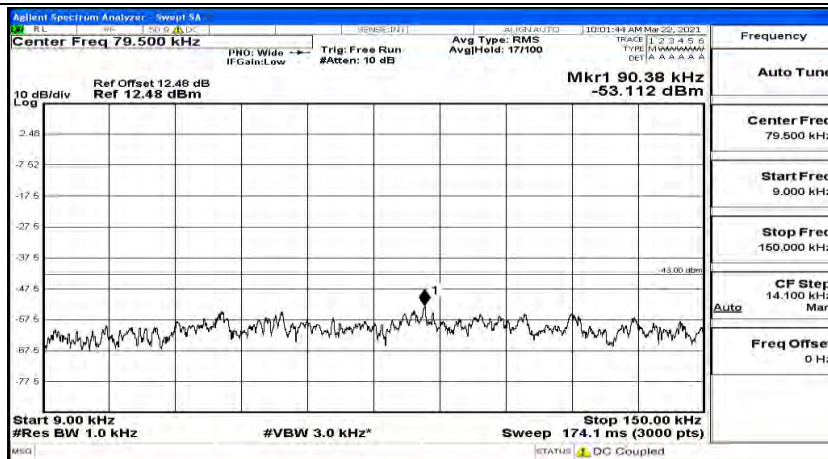


## Channel Bandwidth: 3 MHz

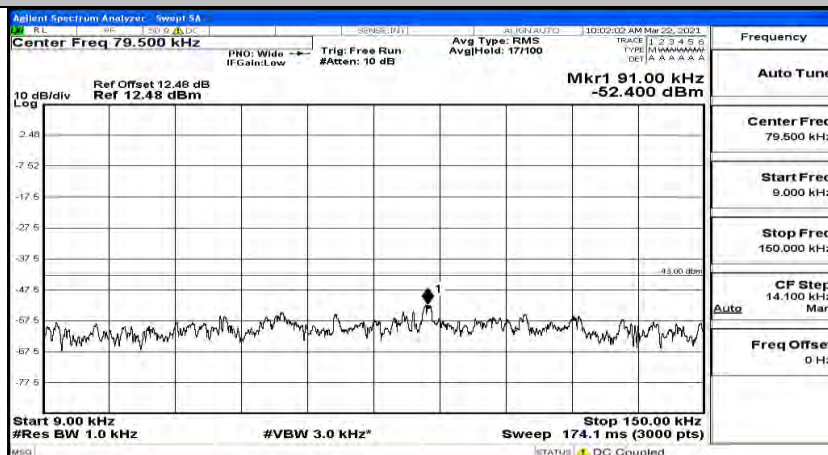
(Channel Bandwidth: 3 MHz)\_LCH\_QPSK\_1RB#0

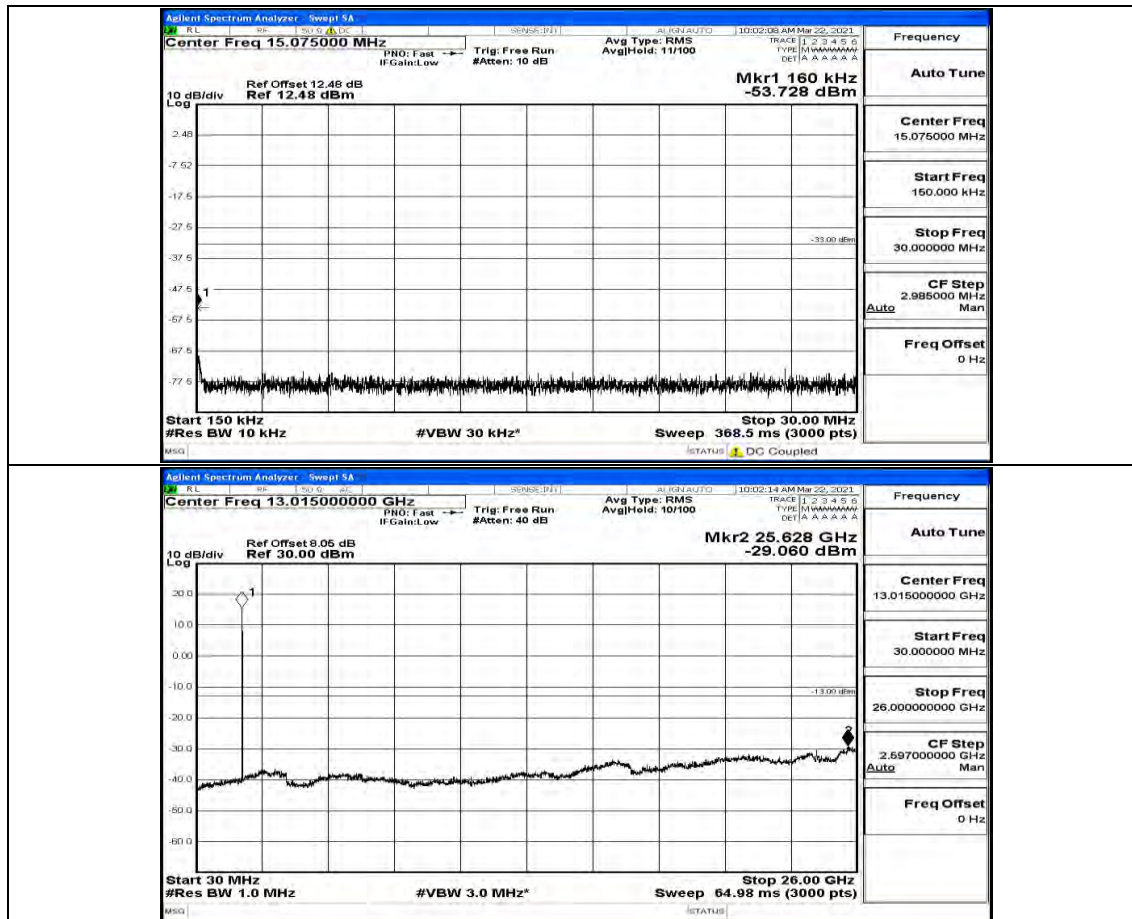


(Channel Bandwidth: 3 MHz)\_LCH\_QPSK\_1RB#7

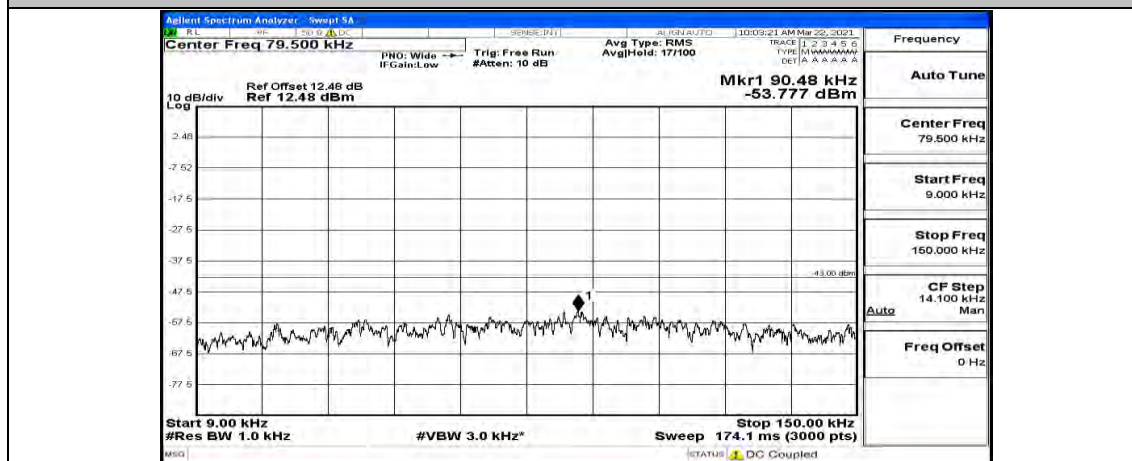


(Channel Bandwidth: 3 MHz)\_LCH\_QPSK\_1RB#14

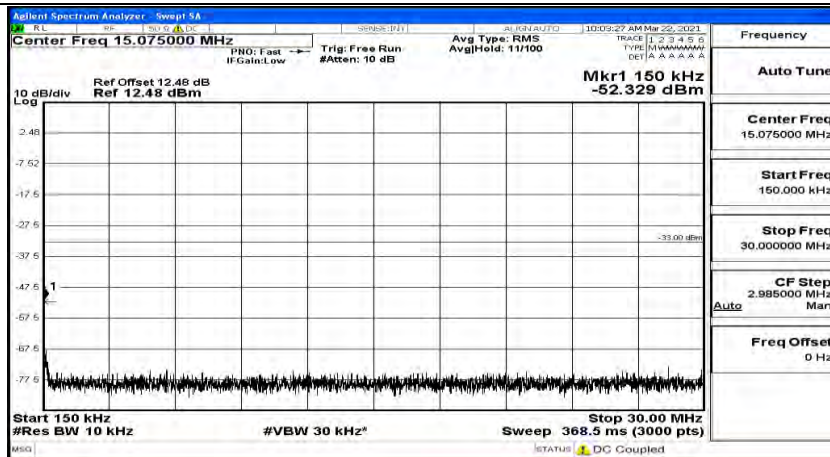




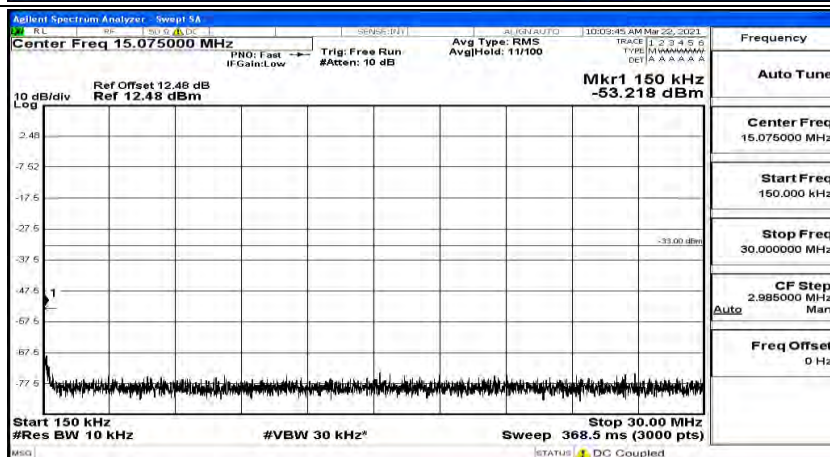
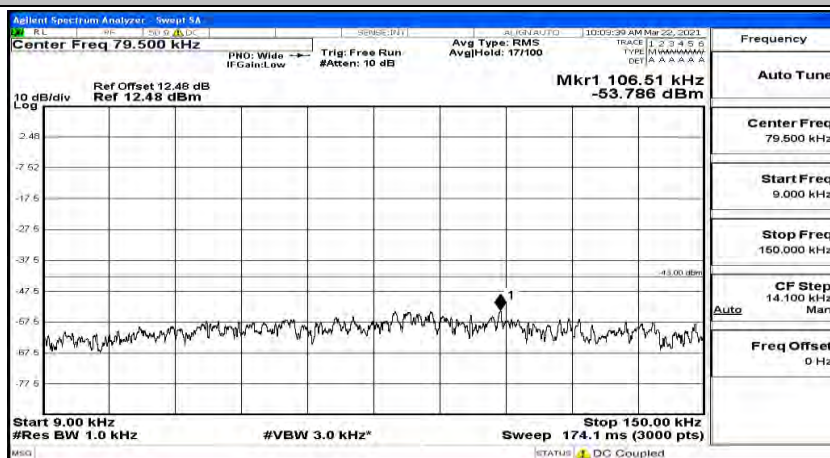
## (Channel Bandwidth: 3 MHz)\_MCH\_QPSK\_1RB#0







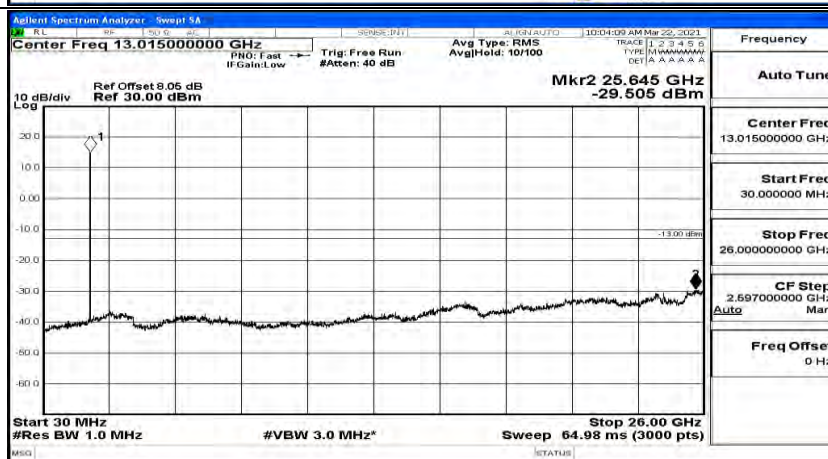
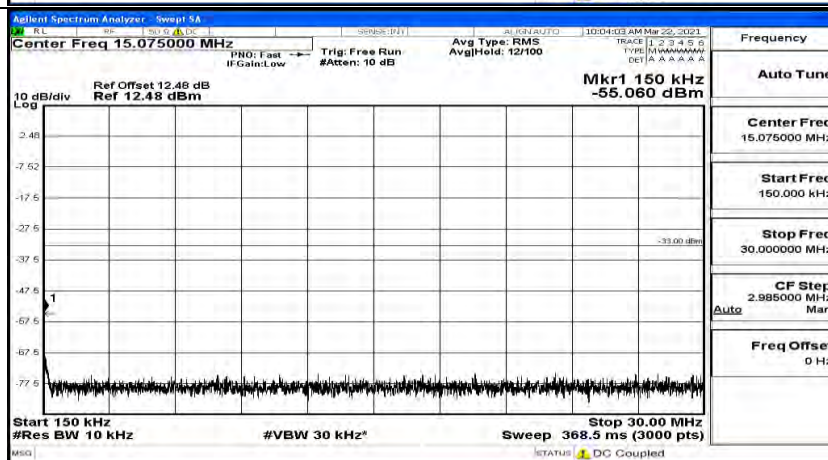
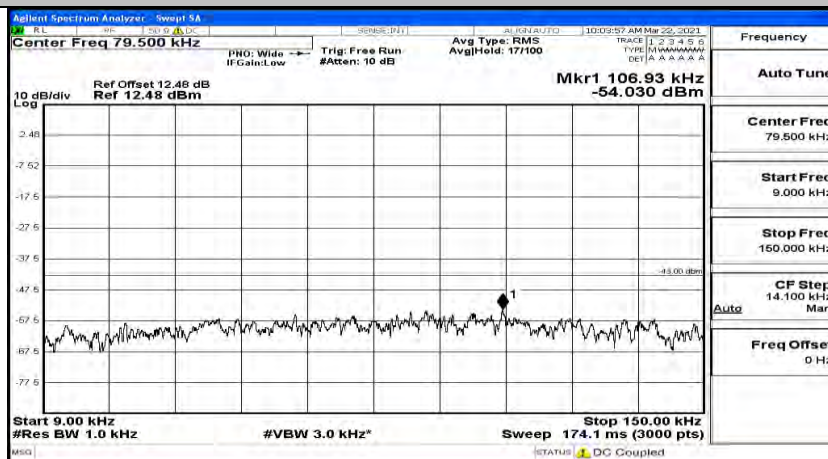
(Channel Bandwidth: 3 MHz)\_MCH\_QPSK\_1RB#7



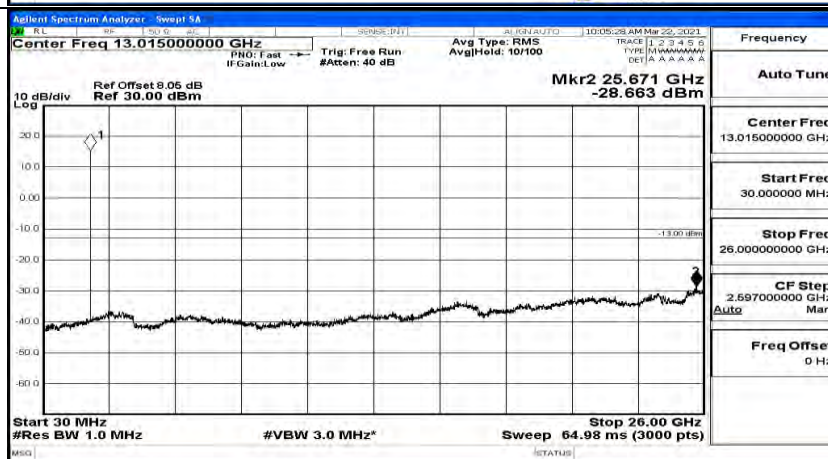
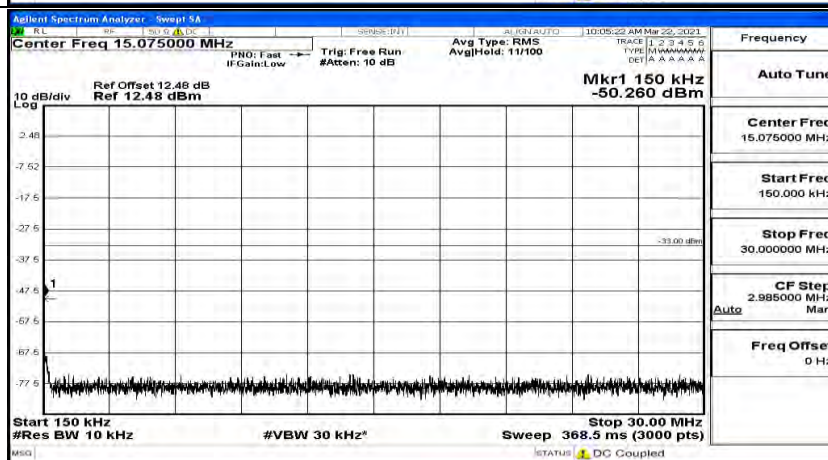
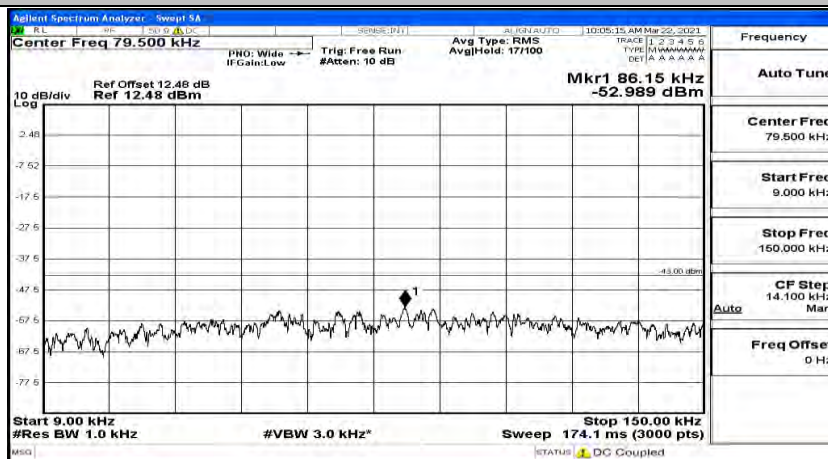




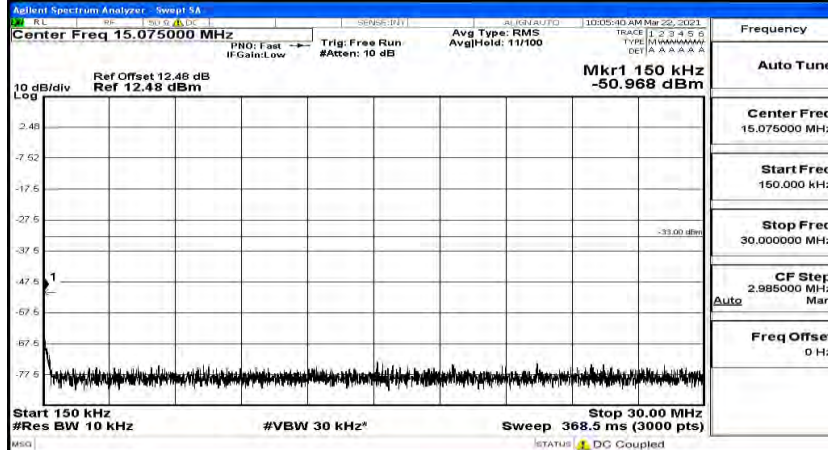
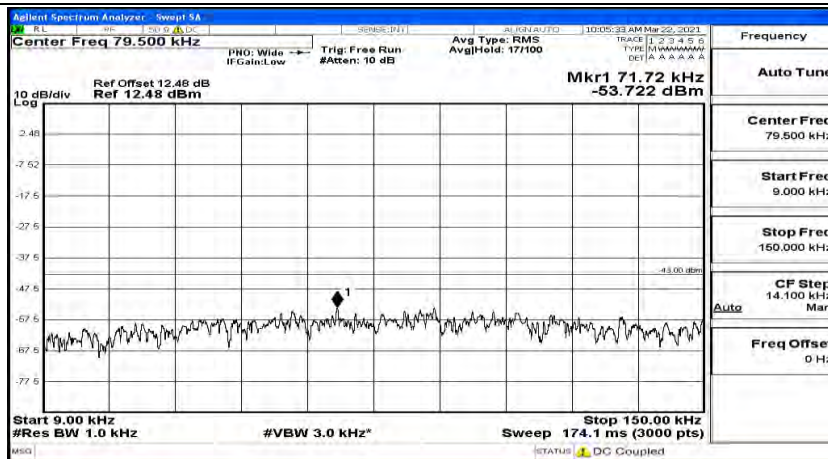
(Channel Bandwidth: 3 MHz)\_MCH\_QPSK\_1RB#14



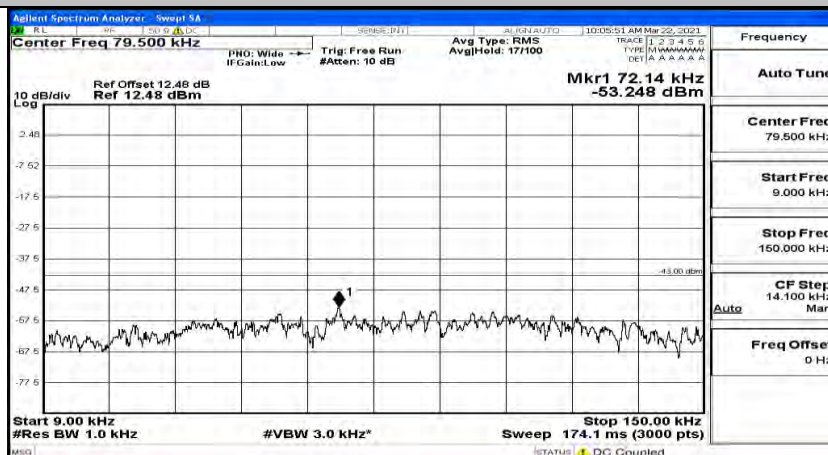
## (Channel Bandwidth: 3 MHz)\_HCH\_QPSK\_1RB#0



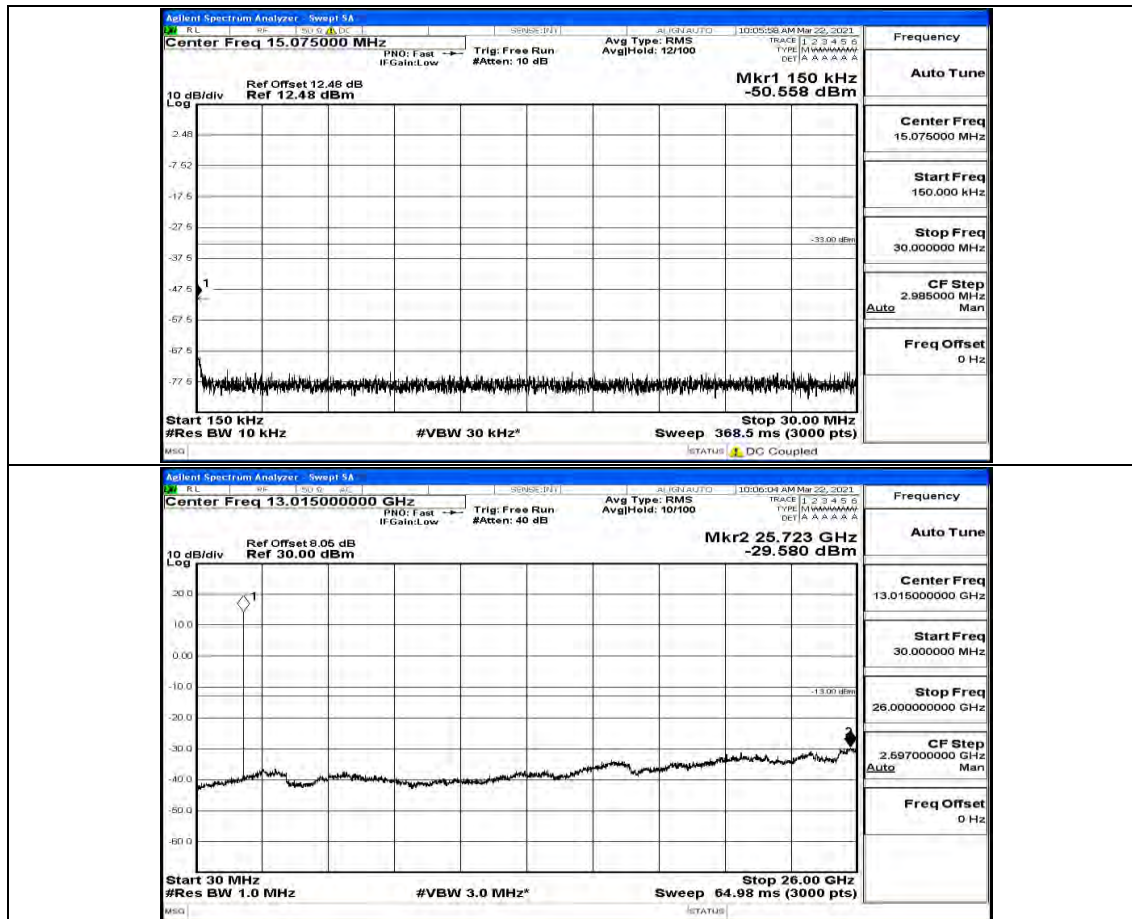
## (Channel Bandwidth: 3 MHz)\_HCH\_QPSK\_1RB#7



(Channel Bandwidth: 3 MHz)\_HCH\_QPSK\_1RB#14

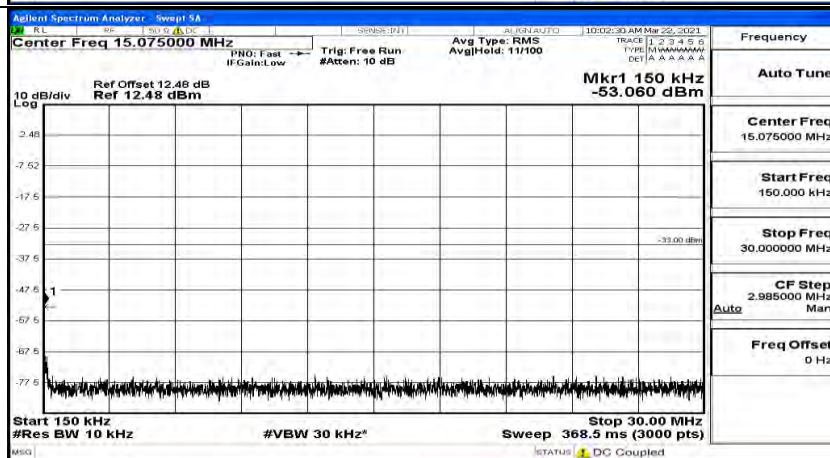
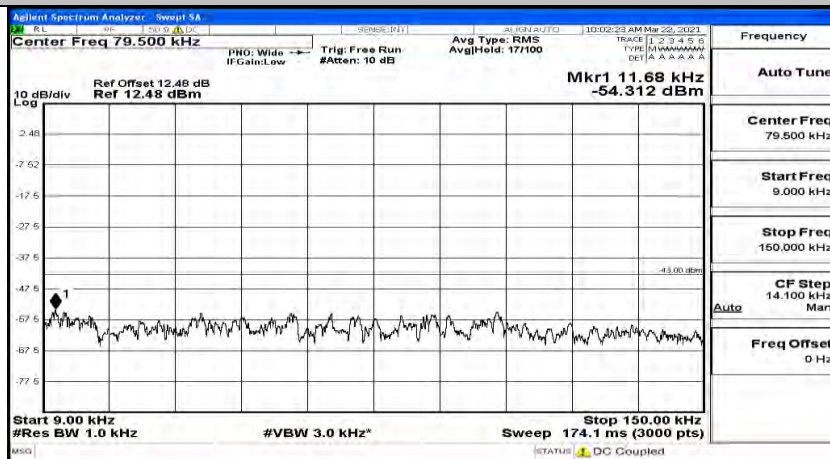




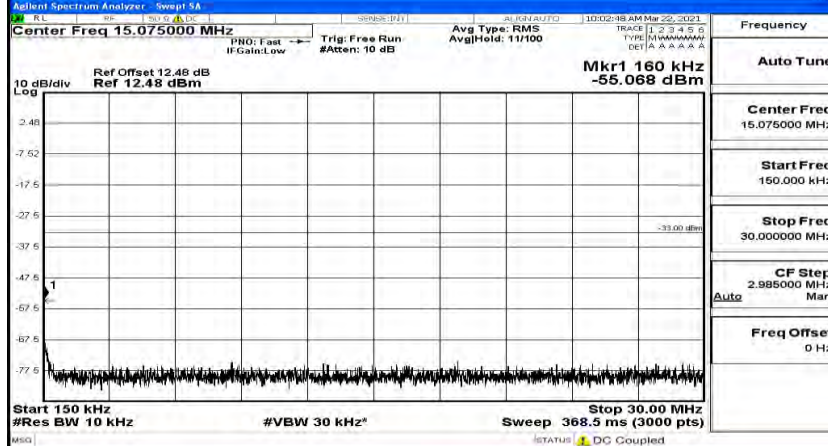
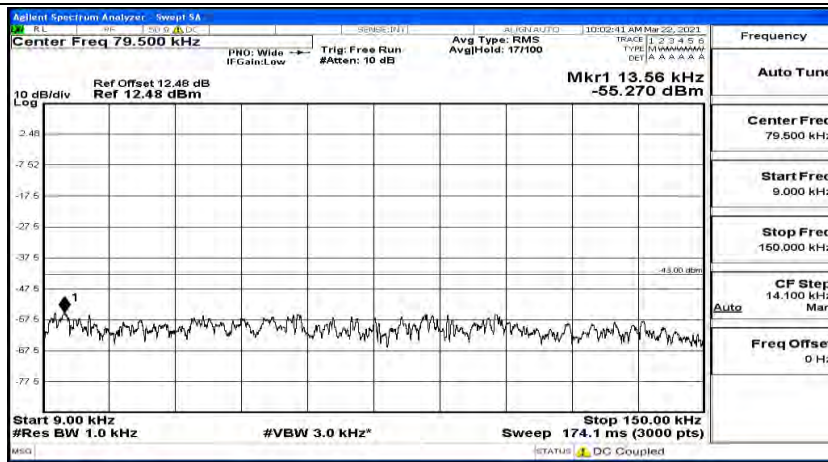




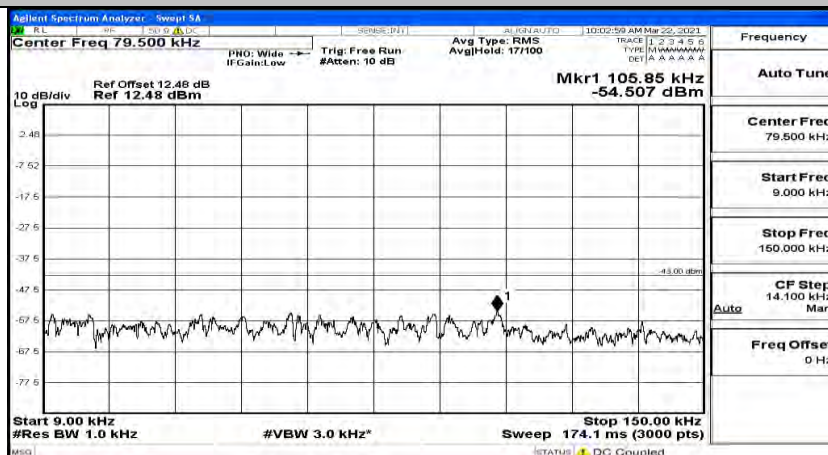
(Channel Bandwidth: 3 MHz)\_LCH\_16QAM\_1RB#0

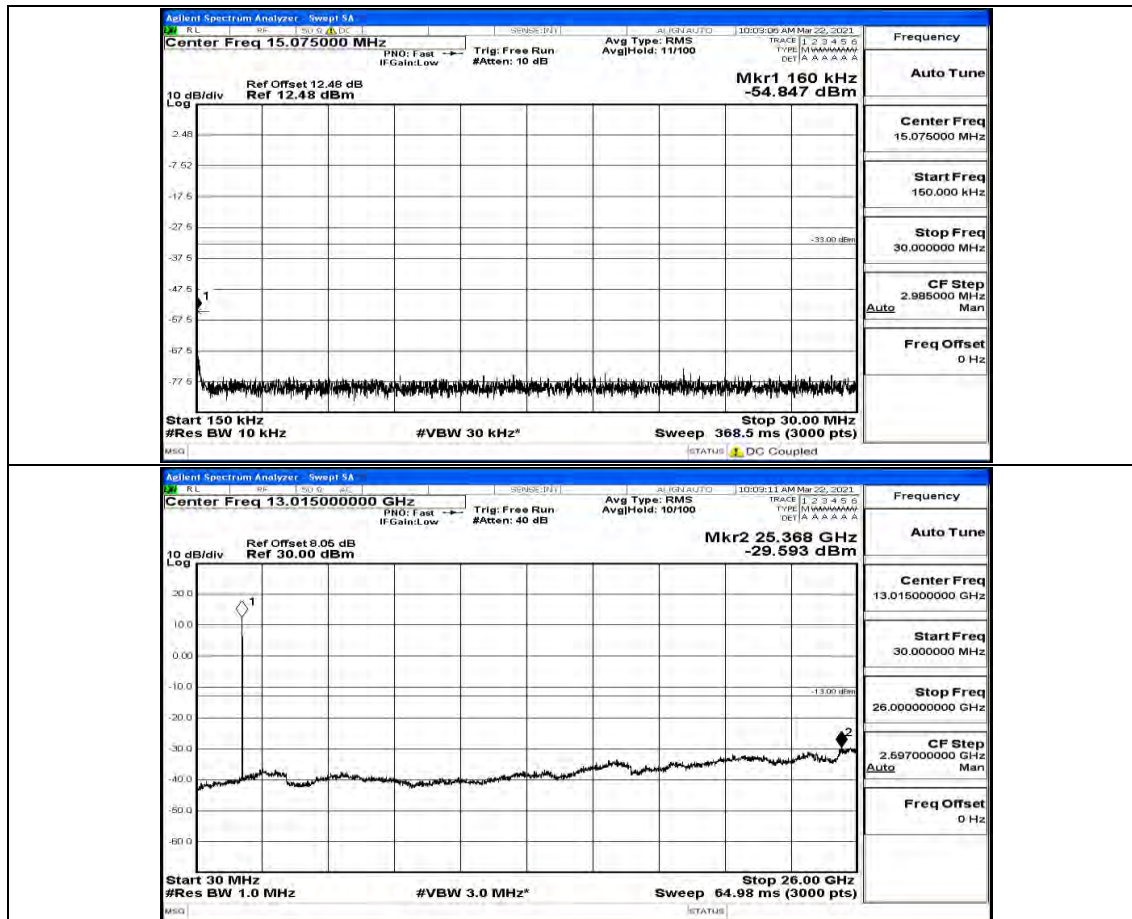


(Channel Bandwidth: 3 MHz)\_LCH\_16QAM\_1RB#7

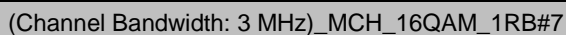


(Channel Bandwidth: 3 MHz) LCH\_16QAM\_1RB#14

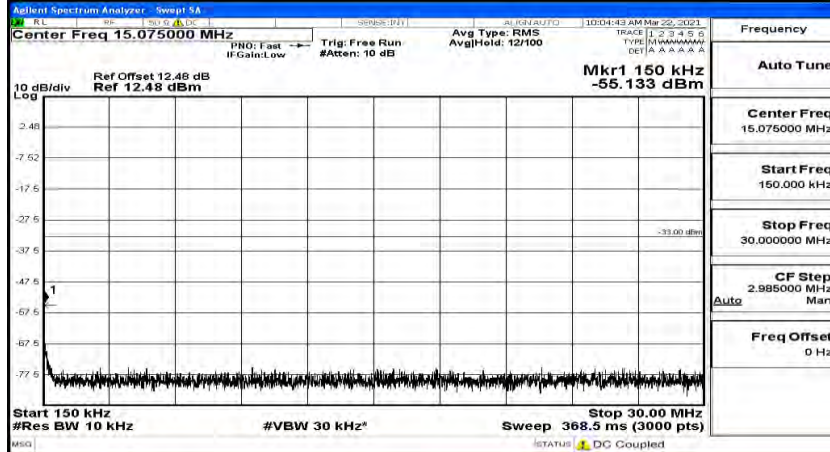
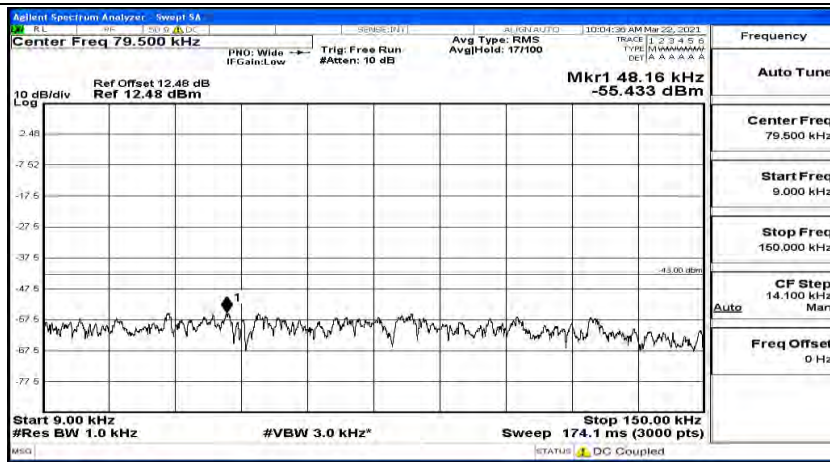




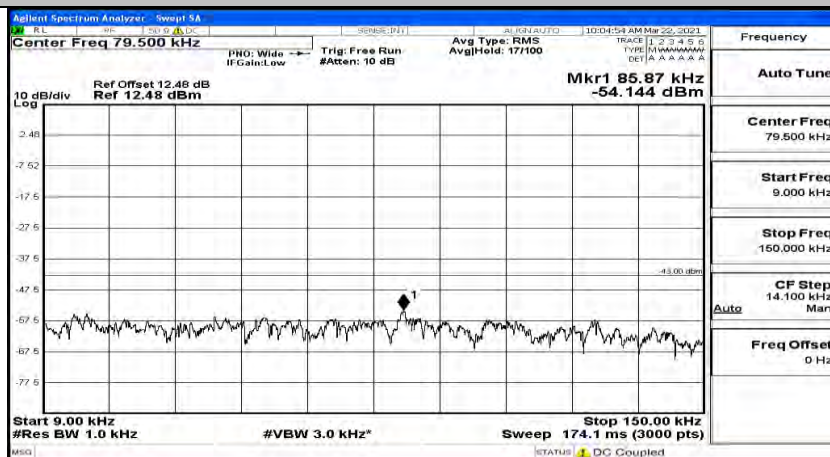


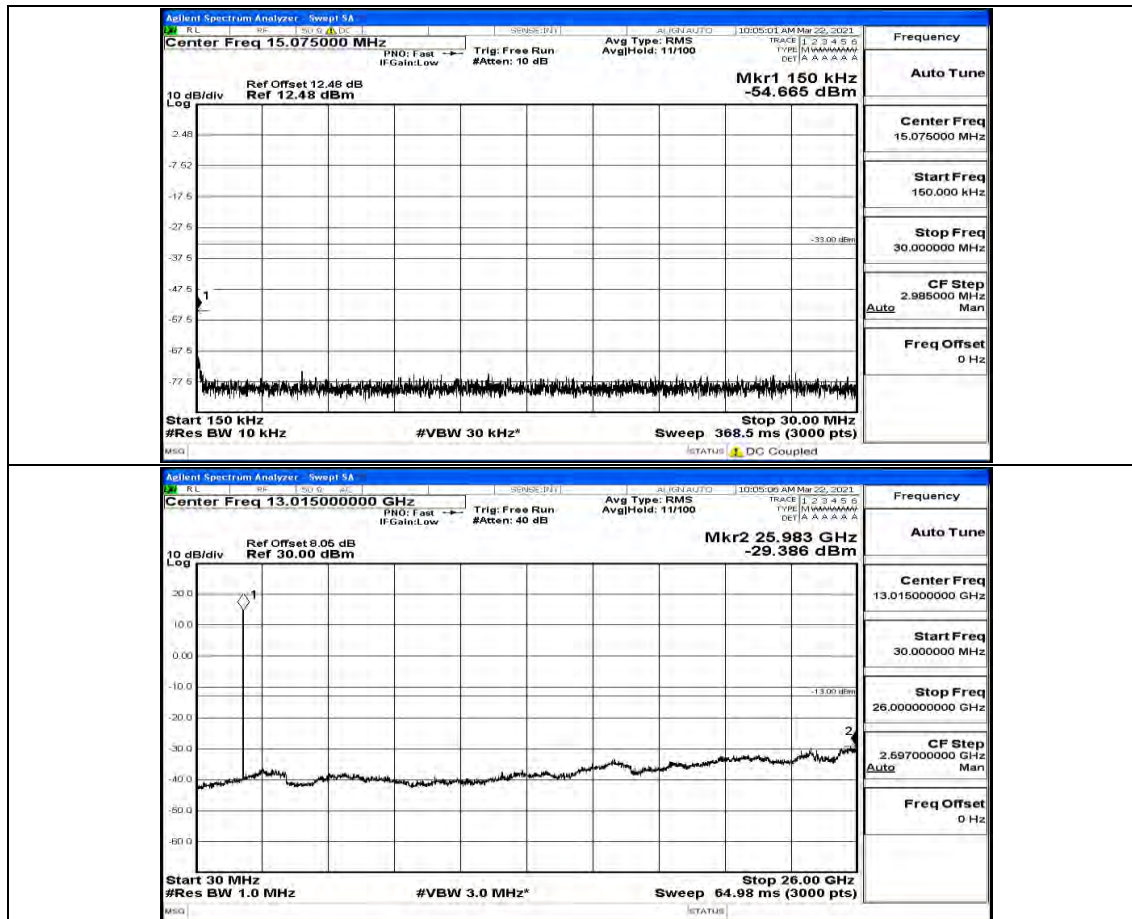




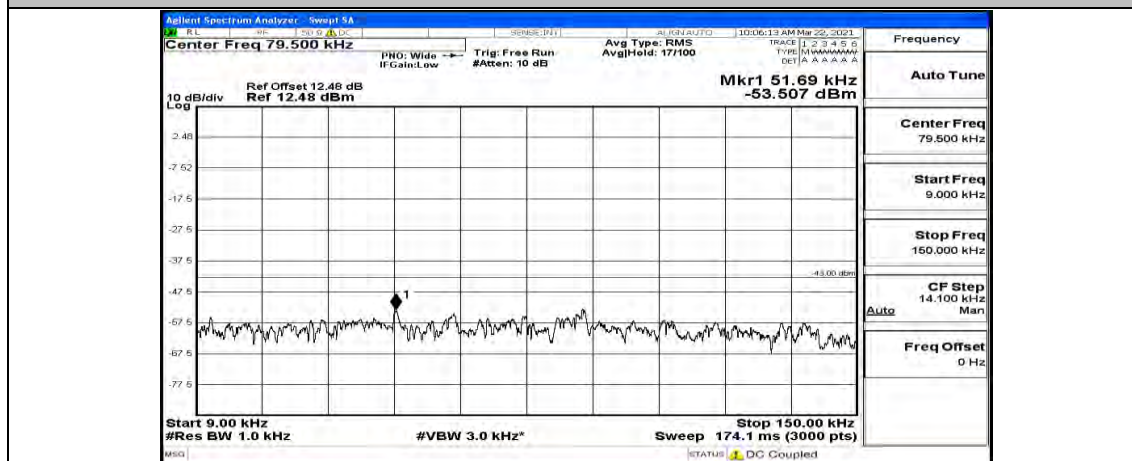


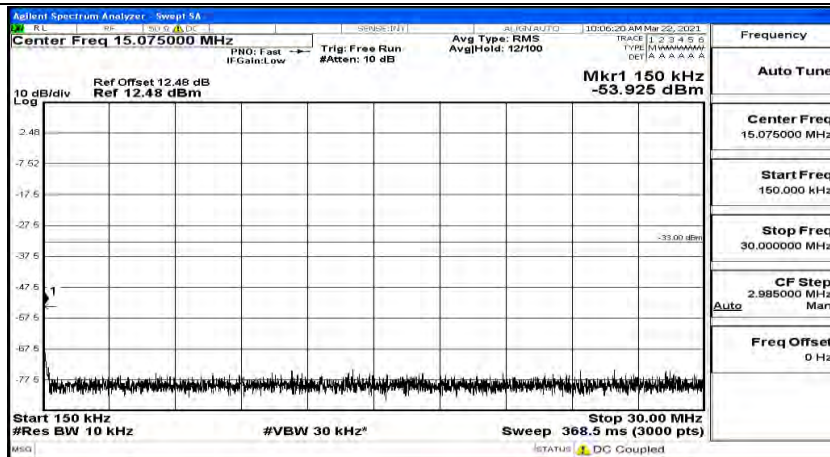
(Channel Bandwidth: 3 MHz)\_MCH\_16QAM\_1RB#14



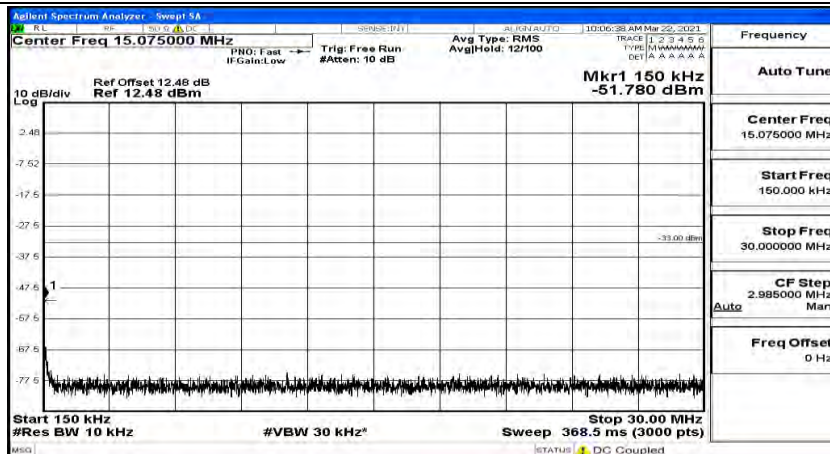
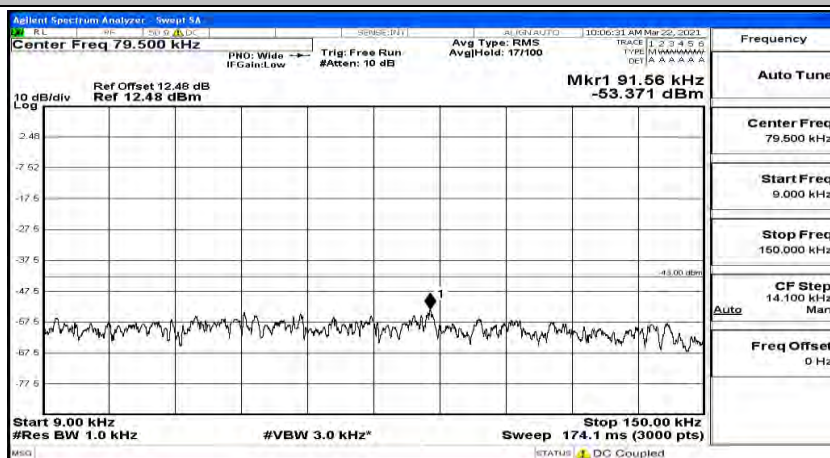


(Channel Bandwidth: 3 MHz)\_HCH\_16QAM\_1RB#0





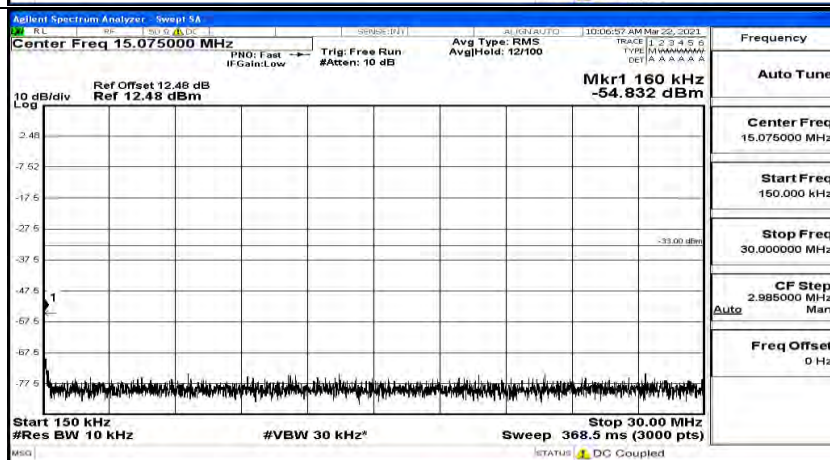
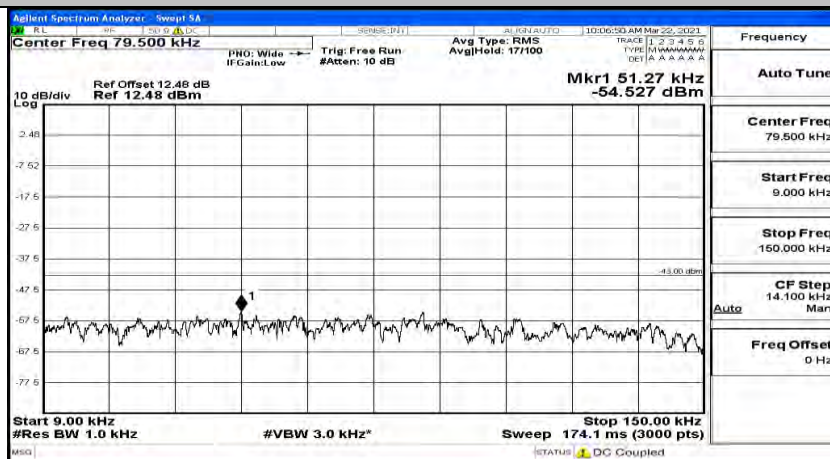
(Channel Bandwidth: 3 MHz)\_HCH\_16QAM\_1RB#7







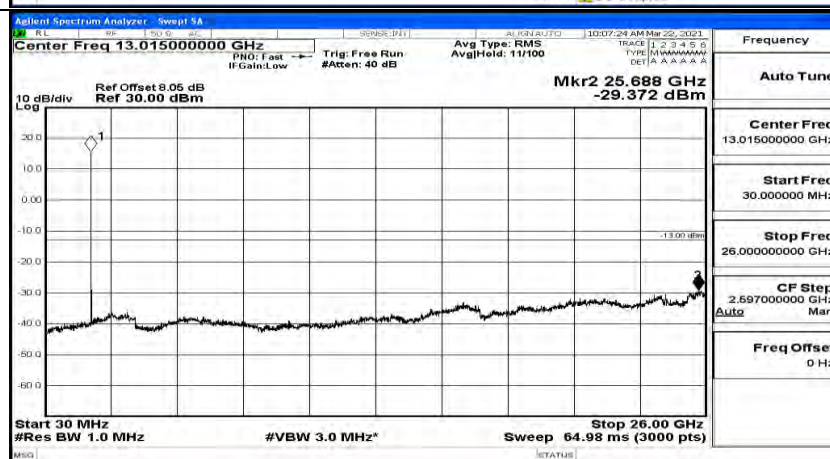
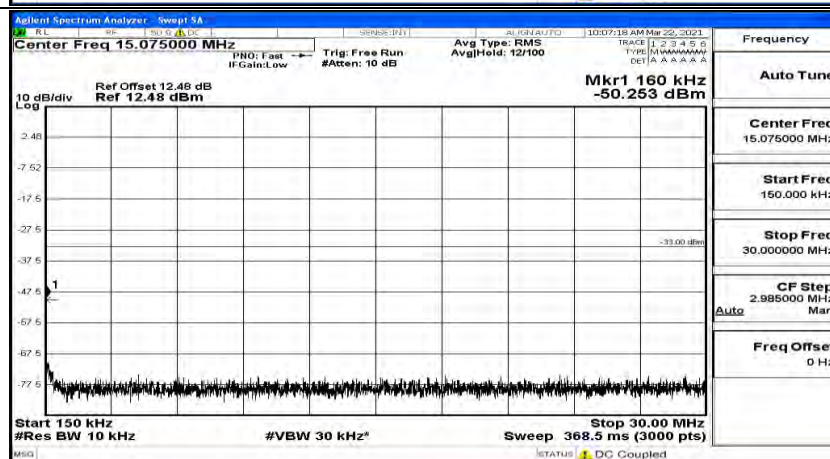
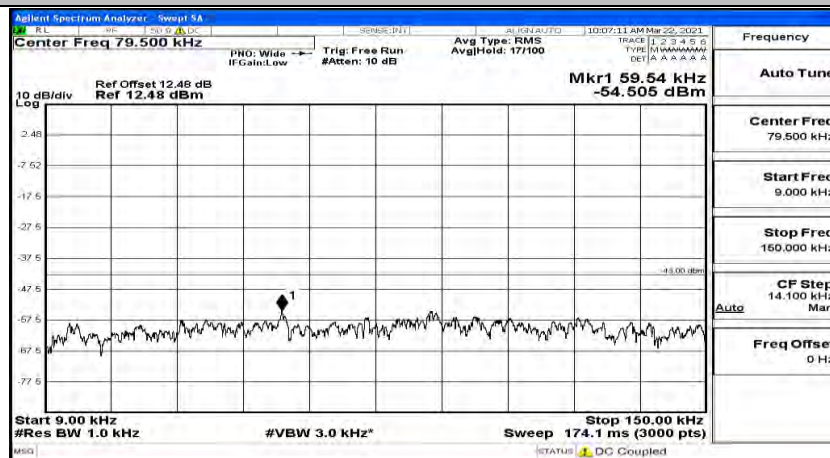
(Channel Bandwidth: 3 MHz)\_HCH\_16QAM\_1RB#14





## Channel Bandwidth: 5 MHz

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



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