Appendix F: Test Data for E-UTRA Band 2

Product Name: JayPad
Trade Mark: HealthJay,JayPad
Test Model: JPCD1020211

Environmental Conditions

Temperature:	22.3° C
Relative Humidity:	53.9%
ATM Pressure:	100.0 kPa
Test Engineer:	Diamond Lu
Supervised by:	Li Huan

F.1 Conducted Output Power

Conducted Output Power Test Result (Channel Bandwidth: 1.4 MHz)					
Modulation	Channel	RB Configuration		Average Power [dBm]	Average Power [dBm]	Verdict
		Size	Offset	QPSK	16QAM	
QPSK / 16QAM	LCH	1	0	23.33	22.67	PASS
		1	3	23.52	22.84	PASS
		1	5	23.45	22.76	PASS
		3	0	23.48	22.66	PASS
		3	2	23.53	22.70	PASS
		3	3	23.52	22.69	PASS
		6	0	22.56	21.52	PASS
	MCH	1	0	22.07	21.44	PASS
		1	3	22.17	21.66	PASS
		1	5	22.09	21.50	PASS
		3	0	22.19	21.17	PASS
		3	2	22.18	21.24	PASS
		3	3	22.16	21.20	PASS
		6	0	21.20	20.14	PASS
	HCH	1	0	22.42	21.69	PASS
		1	3	22.56	21.93	PASS
		1	5	22.42	21.77	PASS
		3	0	22.52	21.68	PASS
		3	2	22.55	21.68	PASS
		3	3	22.55	21.72	PASS
		6	0	21.59	20.68	PASS

Conducted Output Power Test Result (Channel Bandwidth: 3 MHz)						
Modulation	Channel	RB Configuration		Average Power [dBm]	Average Power [dBm]	Verdict
		Size	Offset	QPSK	16QAM	
QPSK / 16QAM	LCH	1	0	23.29	22.76	PASS
		1	7	23.51	22.95	PASS
		1	14	22.99	22.87	PASS
		8	0	22.59	21.61	PASS
		8	4	22.66	21.72	PASS
		8	7	22.63	21.64	PASS
		15	0	22.59	21.55	PASS
	MCH	1	0	22.11	21.49	PASS
		1	7	22.34	21.73	PASS
		1	14	22.14	21.58	PASS
		8	0	21.18	20.15	PASS
		8	4	21.23	20.18	PASS
		8	7	21.22	20.16	PASS
		15	0	21.15	20.15	PASS
	HCH	1	0	22.47	21.77	PASS
		1	7	22.72	21.94	PASS
		1	14	22.45	21.80	PASS
		8	0	21.52	20.48	PASS
		8	4	21.52	20.49	PASS
		8	7	21.44	20.42	PASS
		15	0	21.53	20.53	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	23.40	22.71	PASS
		1	12	23.30	23.10	PASS
		1	24	23.31	22.86	PASS
		12	0	22.59	21.69	PASS
		12	6	22.67	21.76	PASS
		12	13	22.69	21.78	PASS
		25	0	22.66	21.66	PASS
	MCH	1	0	22.08	21.28	PASS
		1	12	22.41	21.67	PASS
		1	24	22.19	21.47	PASS
		12	0	21.14	20.22	PASS
		12	6	21.21	20.31	PASS
		12	13	21.20	20.29	PASS
		25	0	21.24	20.21	PASS
	HCH	1	0	22.46	21.64	PASS
		1	12	22.74	21.95	PASS
		1	24	22.42	21.67	PASS
		12	0	21.56	20.56	PASS
		12	6	21.57	20.58	PASS
		12	13	21.40	20.39	PASS
		25	0	21.52	20.53	PASS

Conducted Output Power Test Result (Channel Bandwidth: 10 MHz)						
Modulation	Channel	RB Configuration		Average Power [dBm]	Average Power [dBm]	Verdict
		Size	Offset	QPSK	16QAM	
QPSK / 16QAM	LCH	1	0	23.38	22.73	PASS
		1	24	23.28	23.06	PASS
		1	49	23.93	22.90	PASS
		25	0	22.73	21.69	PASS
		25	12	22.77	21.78	PASS
		25	25	22.90	21.89	PASS
		50	0	22.79	21.78	PASS
	MCH	1	0	22.14	21.56	PASS
		1	24	22.26	21.67	PASS
		1	49	22.32	21.82	PASS
		25	0	21.18	20.19	PASS
		25	12	21.25	20.22	PASS
		25	25	21.32	20.32	PASS
		50	0	21.27	20.27	PASS
	HCH	1	0	22.70	21.99	PASS
		1	24	22.64	21.96	PASS
		1	49	22.42	21.78	PASS
		25	0	21.62	20.60	PASS
		25	12	21.61	20.56	PASS
		25	25	21.44	20.43	PASS
		50	0	21.47	20.53	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	23.34	22.67	PASS
		1	37	23.82	23.18	PASS
		1	74	23.20	22.56	PASS
		37	0	22.79	21.74	PASS
		37	18	22.86	21.80	PASS
		37	38	22.79	21.73	PASS
		75	0	22.80	21.76	PASS
	MCH	1	0	22.18	21.58	PASS
		1	37	22.29	21.65	PASS
		1	74	22.39	21.81	PASS
		37	0	21.22	20.20	PASS
		37	18	21.30	20.28	PASS
		37	38	21.40	20.37	PASS
		75	0	21.34	20.27	PASS
	HCH	1	0	22.82	22.14	PASS
		1	37	22.85	21.98	PASS
		1	74	22.38	21.69	PASS
		37	0	21.89	20.87	PASS
		37	18	21.74	20.69	PASS
		37	38	21.58	20.52	PASS
		75	0	21.77	20.69	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	23.26	22.52	PASS
		1	49	23.91	23.06	PASS
		1	99	22.60	21.85	PASS
		50	0	22.64	21.60	PASS
		50	25	22.73	21.66	PASS
		50	50	22.26	21.25	PASS
		100	0	22.46	21.43	PASS
	MCH	1	0	22.31	21.73	PASS
		1	49	22.36	21.74	PASS
		1	99	22.43	21.88	PASS
		50	0	21.14	20.14	PASS
		50	25	21.31	20.33	PASS
		50	50	21.33	20.34	PASS
		100	0	21.22	20.24	PASS
	HCH	1	0	22.44	21.81	PASS
		1	49	22.79	22.19	PASS
		1	99	22.01	21.42	PASS
		50	0	21.97	20.98	PASS
		50	25	21.89	20.85	PASS
		50	50	21.63	20.65	PASS
		100	0	21.78	20.78	PASS

F.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	5.06	<13	PASS
	MCH	4.98	<13	PASS
	HCH	5.33	<13	PASS
16QAM	LCH	5.99	<13	PASS
	MCH	5.93	<13	PASS
	HCH	6.19	<13	PASS

Peak-to Average Ratio Test Result (Channel Bandwidth: 3 MHz)				
Modulation	Channel	Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
QPSK	LCH	5.25	<13	PASS
	MCH	5.2	<13	PASS
	HCH	5.21	<13	PASS
16QAM	LCH	6.15	<13	PASS
	MCH	5.97	<13	PASS
	HCH	6.13	<13	PASS

Peak-to Average Ratio Test Result (Channel Bandwidth: 5 MHz)				
Modulation	Channel	Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
QPSK	LCH	5.23	<13	PASS
	MCH	5.18	<13	PASS
	HCH	5.25	<13	PASS
16QAM	LCH	5.92	<13	PASS
	MCH	5.89	<13	PASS
	HCH	5.98	<13	PASS

Peak-to Average Ratio Test Result (Channel Bandwidth: 10 MHz)				
Modulation	Channel	Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
QPSK	LCH	5.2	<13	PASS
	MCH	5.34	<13	PASS
	HCH	5.28	<13	PASS
16QAM	LCH	5.91	<13	PASS
	MCH	6.07	<13	PASS
	HCH	6.05	<13	PASS

Peak-to Average Ratio Test Result (Channel Bandwidth: 15 MHz)				
Modulation	Channel	Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
QPSK	LCH	5.02	<13	PASS
	MCH	4.93	<13	PASS
	HCH	5.08	<13	PASS
16QAM	LCH	6.12	<13	PASS
	MCH	6.14	<13	PASS
	HCH	6.24	<13	PASS

| Peak-to Average Ratio Test Result (Channel Bandwidth: 20 MHz)				
Modulation	Channel	Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
QPSK	LCH	5.65	<13	PASS
	MCH	5.68	<13	PASS
	HCH	5.81	<13	PASS
16QAM	LCH	6.65	<13	PASS
	MCH	6.57	<13	PASS
	HCH	6.71	<13	PASS

Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 1.4 MHz)_LCH_QPSK
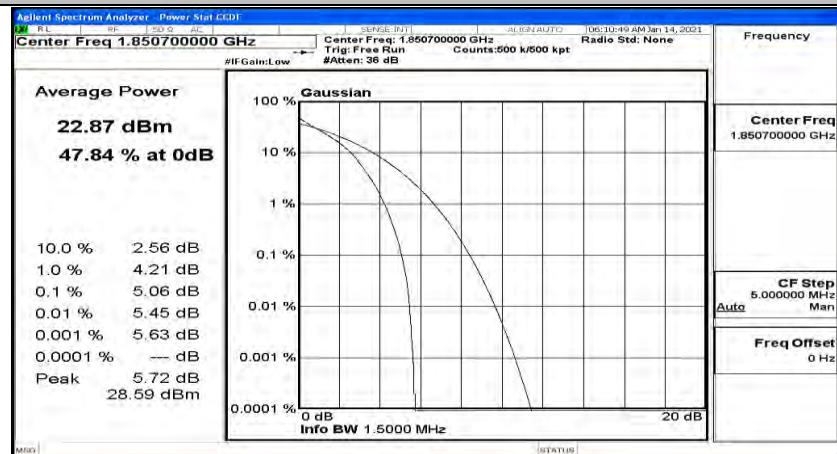
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 1.4 MHz)_MCH_QPSK
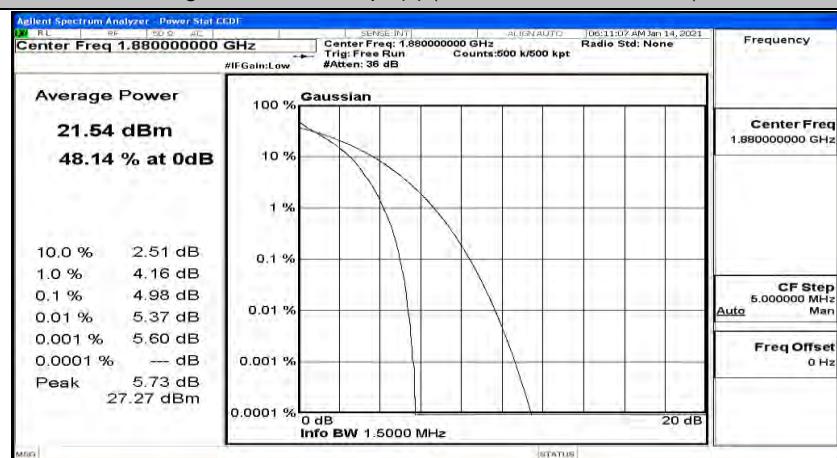
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 1.4 MHz)_HCH_QPSK
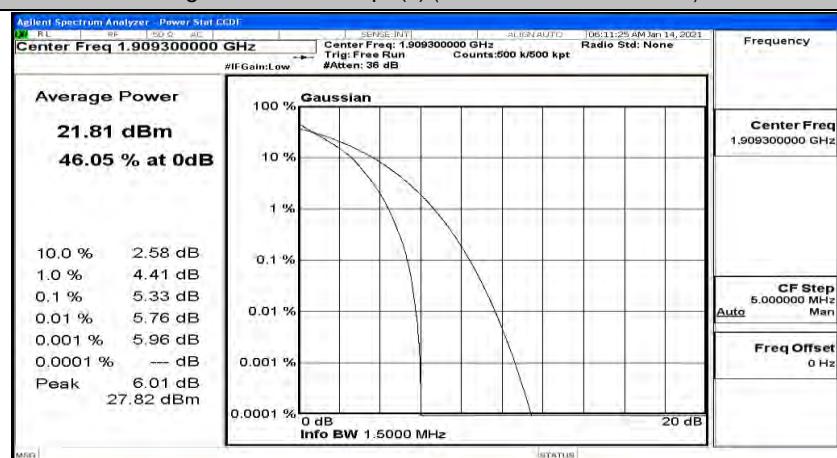
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 1.4 MHz)_LCH_16QAM
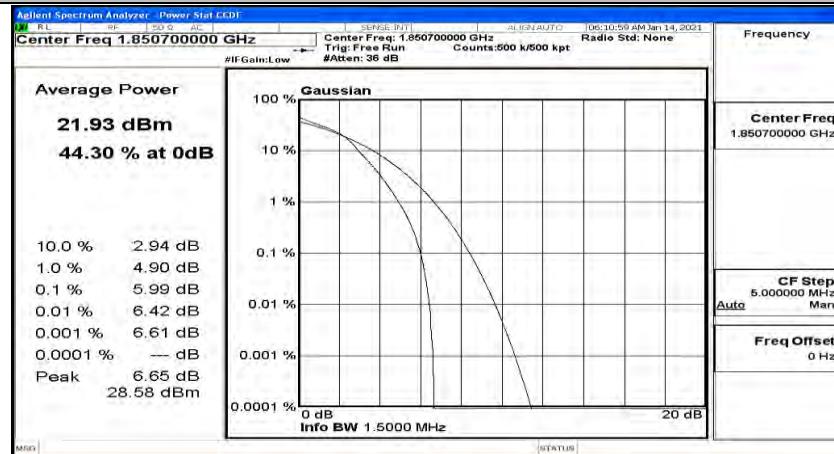
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 1.4 MHz)_MCH_16QAM
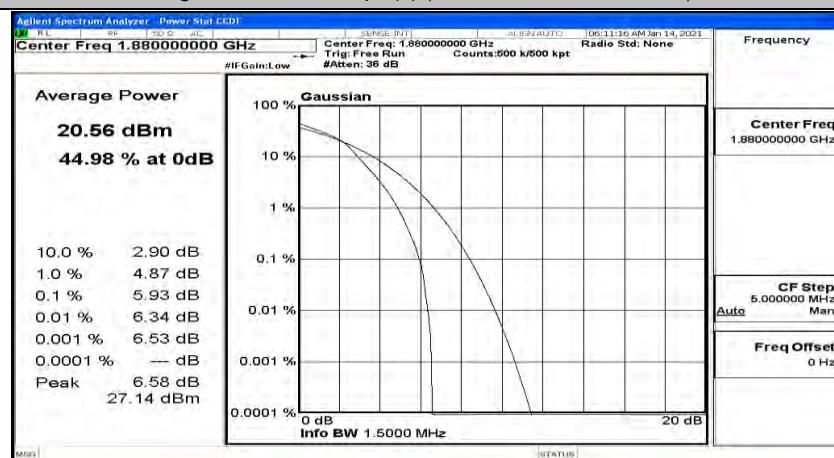
| Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 1.4 MHz)_HCH_16QAM |
|---|
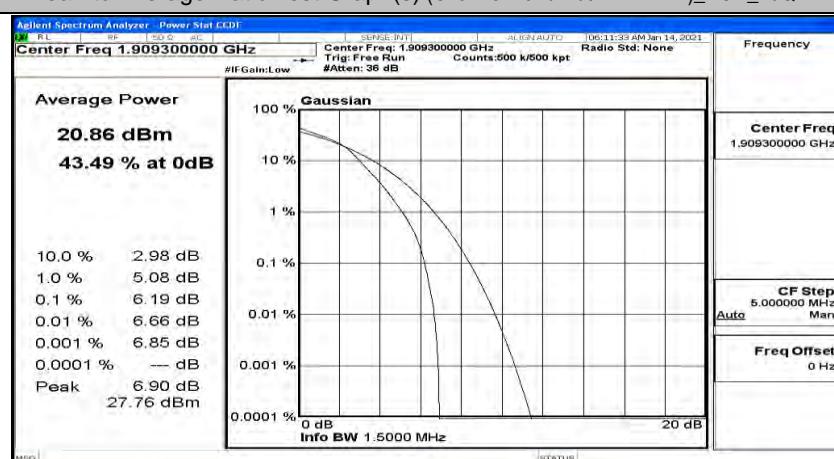
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 3 MHz)_LCH_QPSK
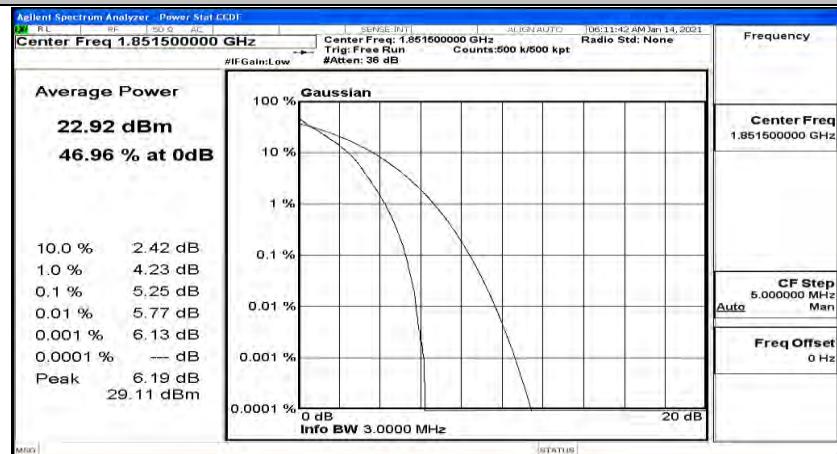
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 3 MHz)_MCH_QPSK
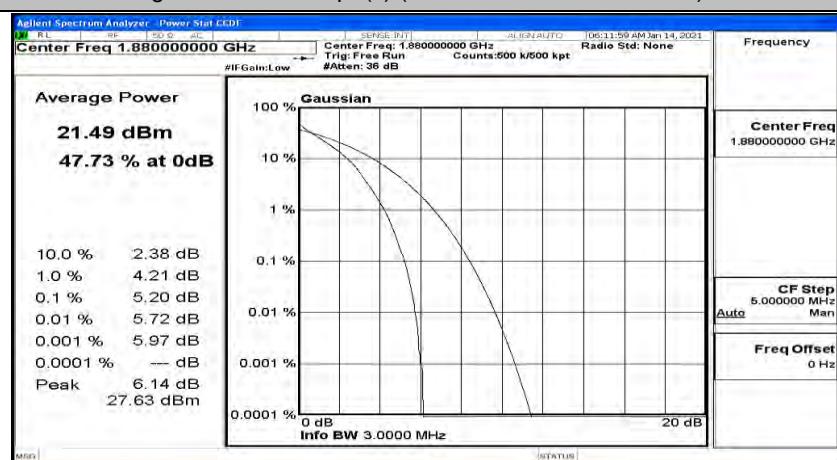
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 3 MHz)_HCH_QPSK
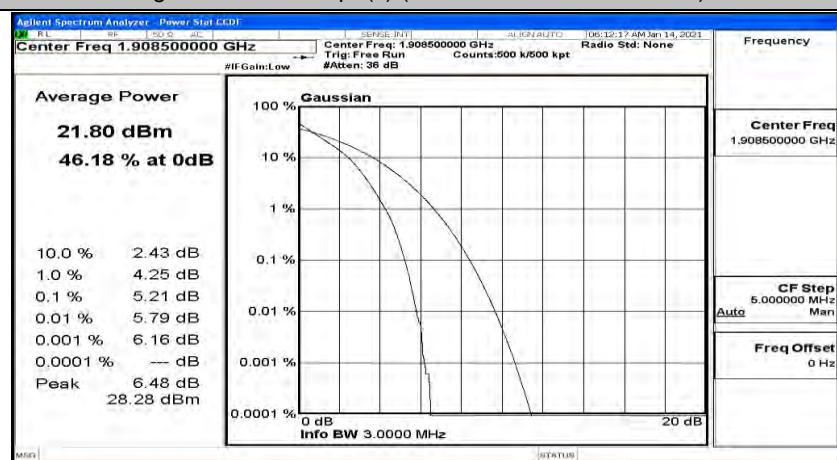
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 3 MHz)_LCH_16QAM
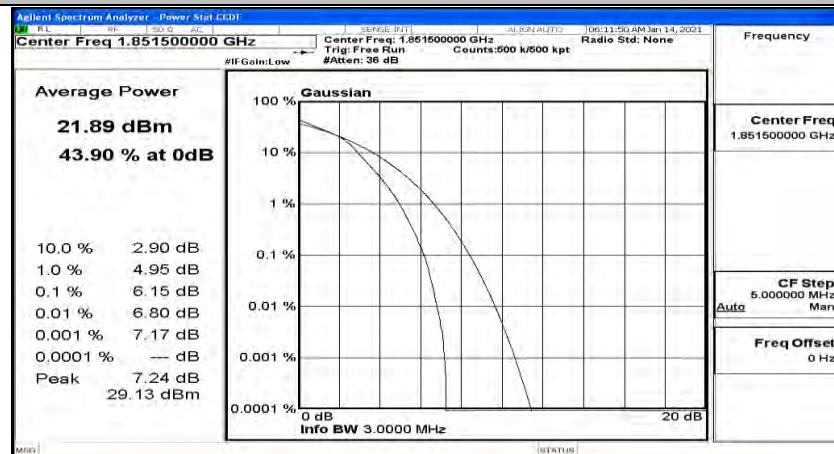
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 3 MHz)_MCH_16QAM
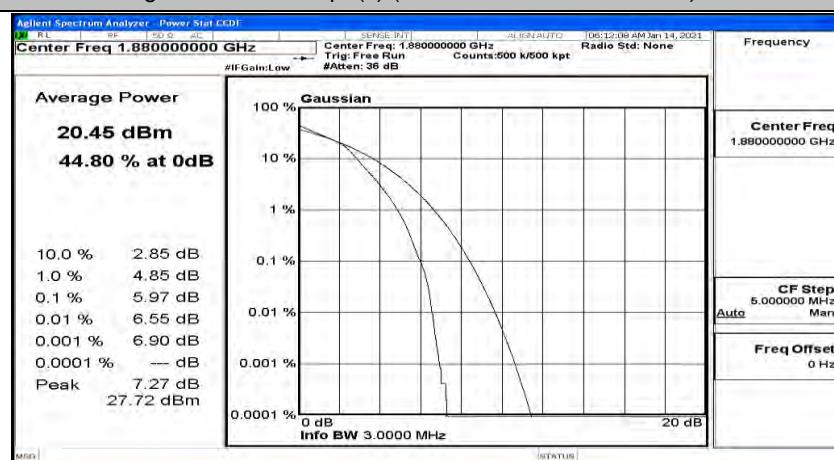
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 3 MHz)_HCH_16QAM
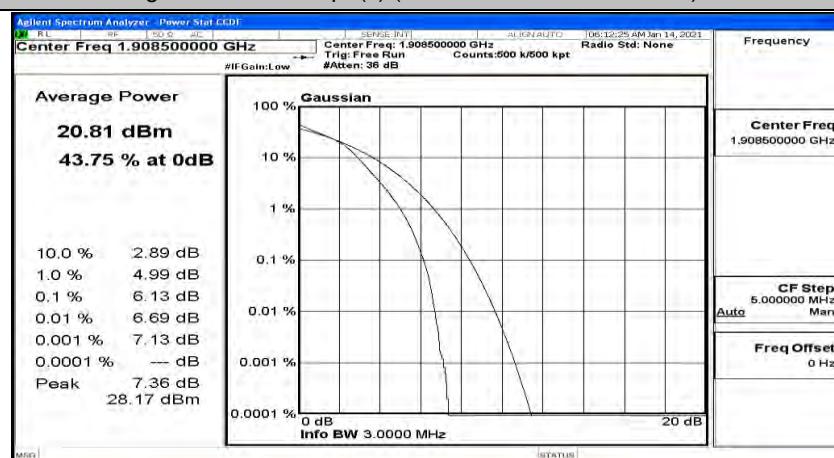
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_QPSK
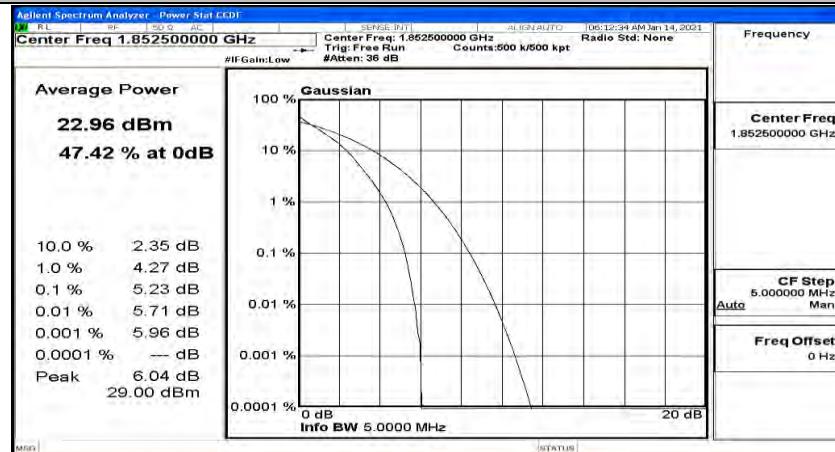
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)_MCH_QPSK
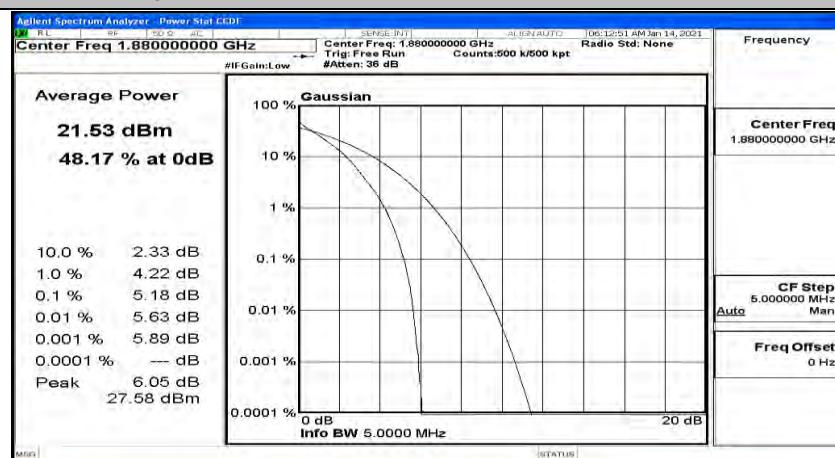
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_QPSK
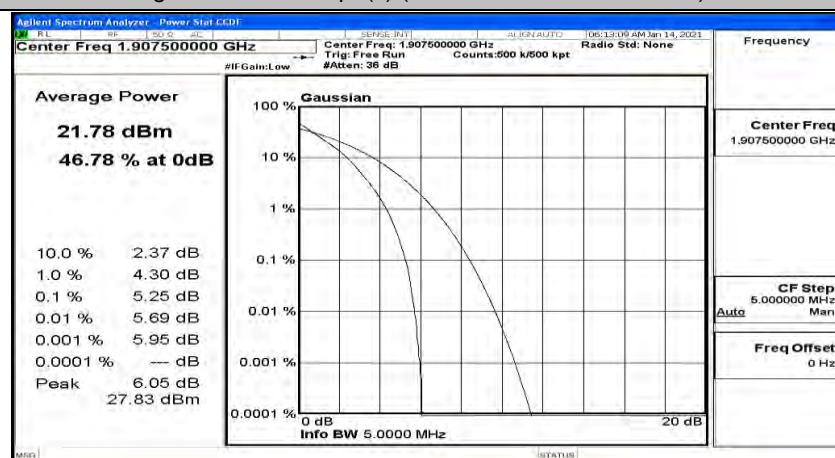
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_16QAM
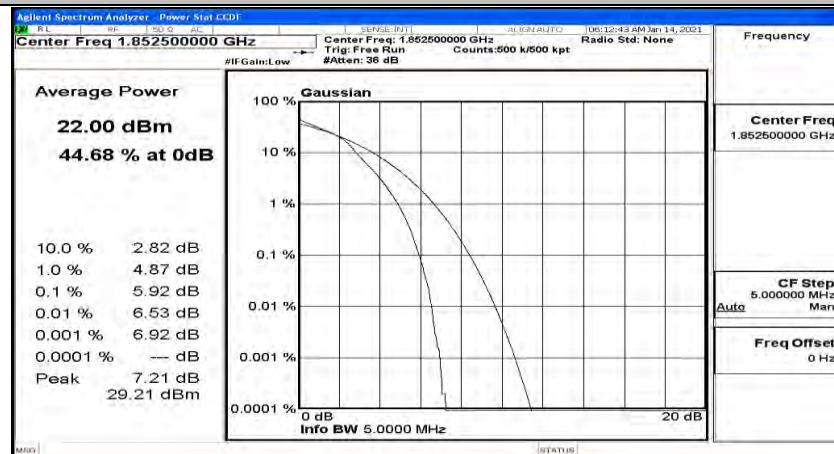
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)_MCH_16QAM
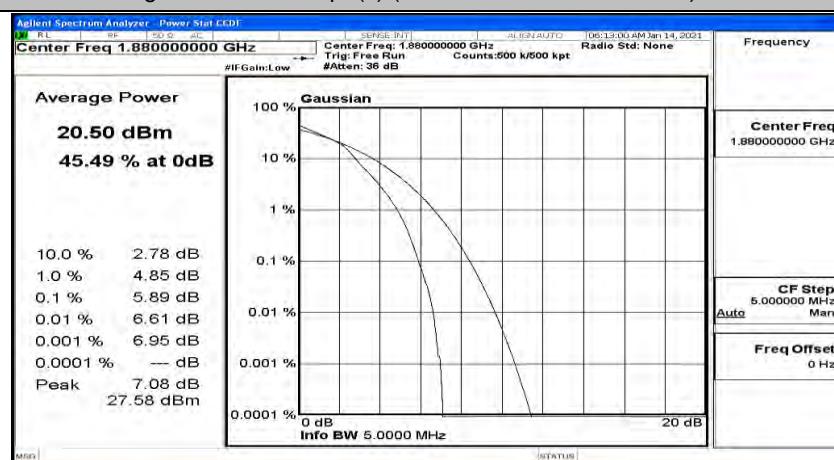
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_16QAM
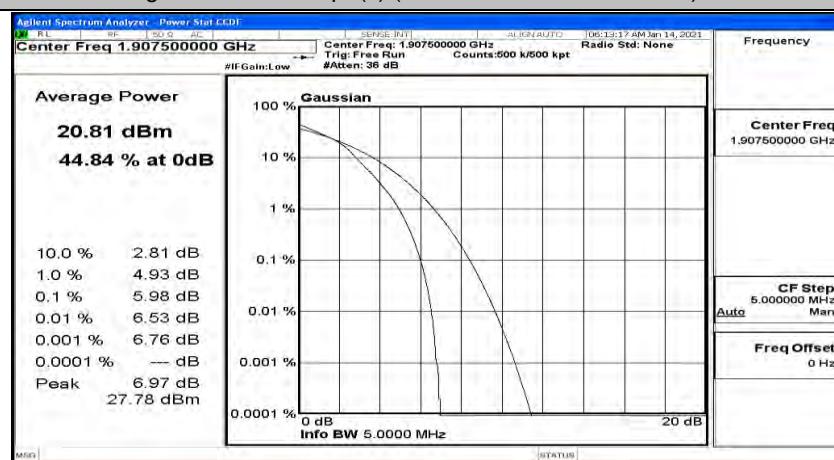
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)_LCH_QPSK
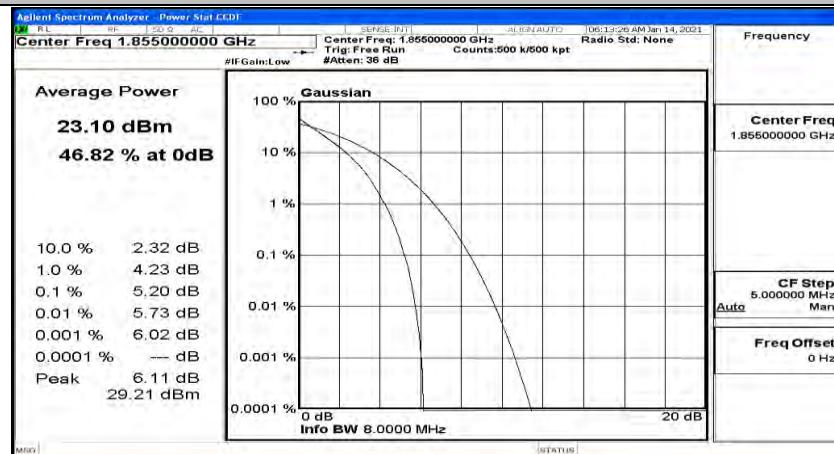
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)_MCH_QPSK
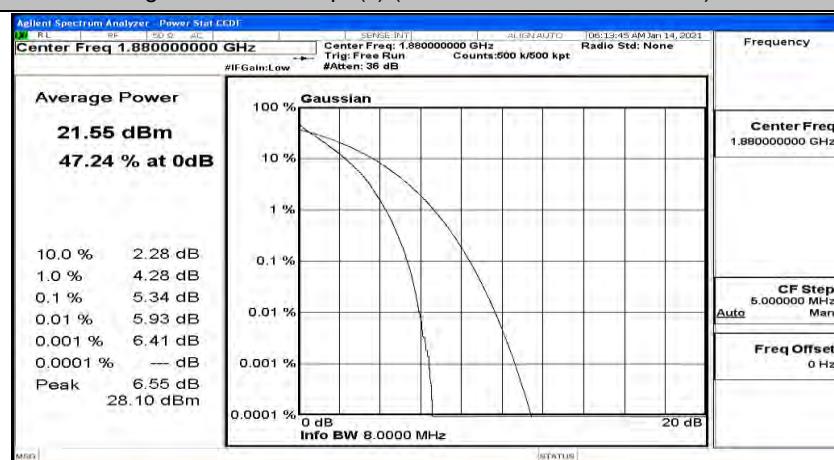
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)_HCH_QPSK
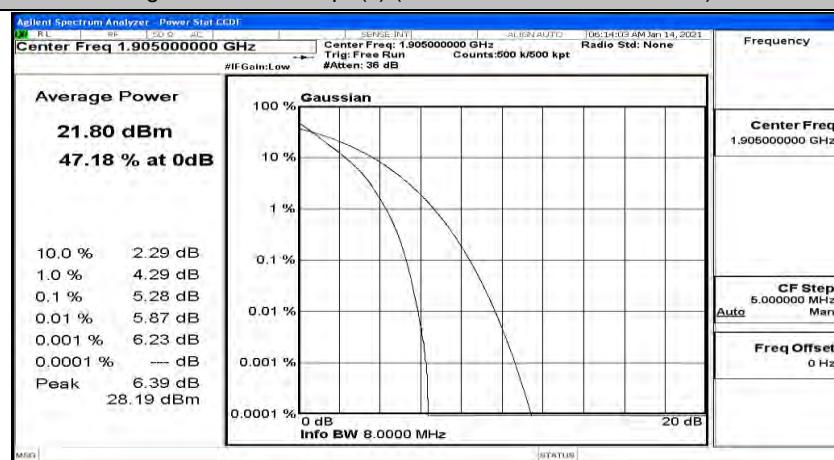
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)_LCH_16QAM
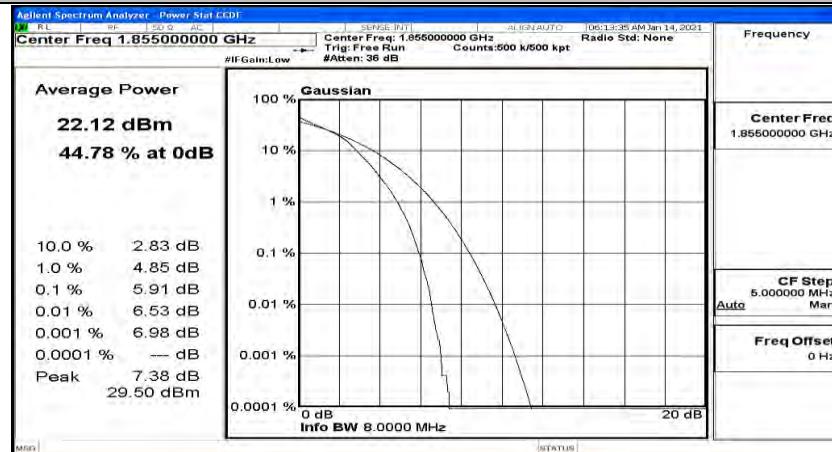
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)_MCH_16QAM
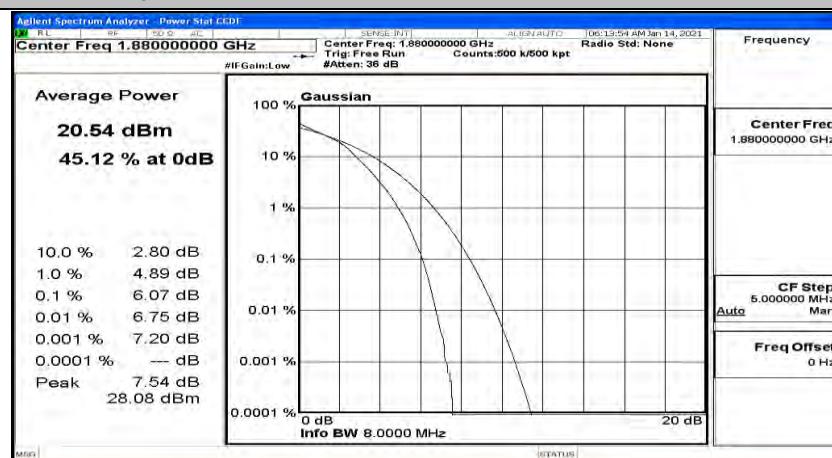
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)_HCH_16QAM
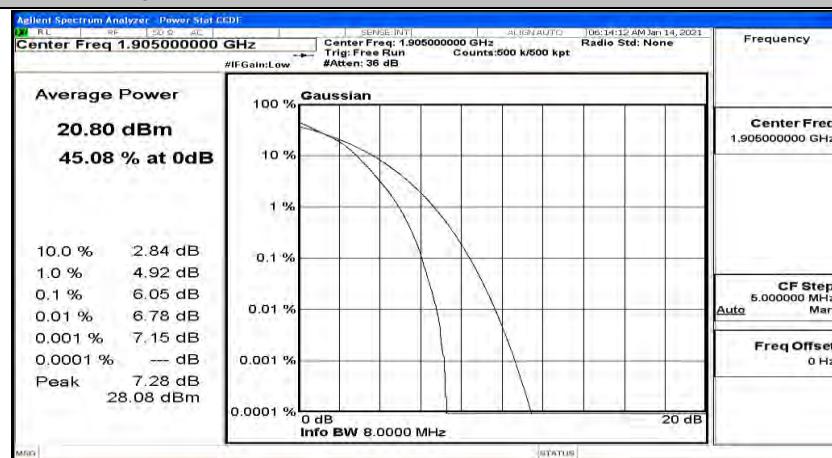
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:15 MHz)_LCH_QPSK
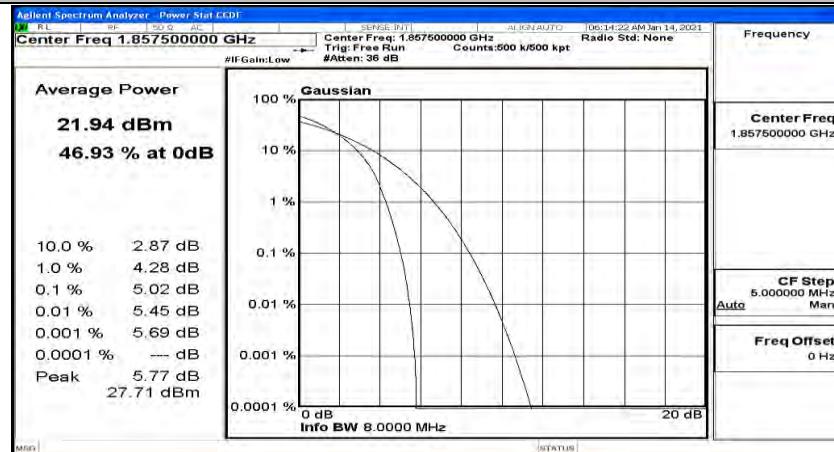
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:15 MHz)_MCH_QPSK
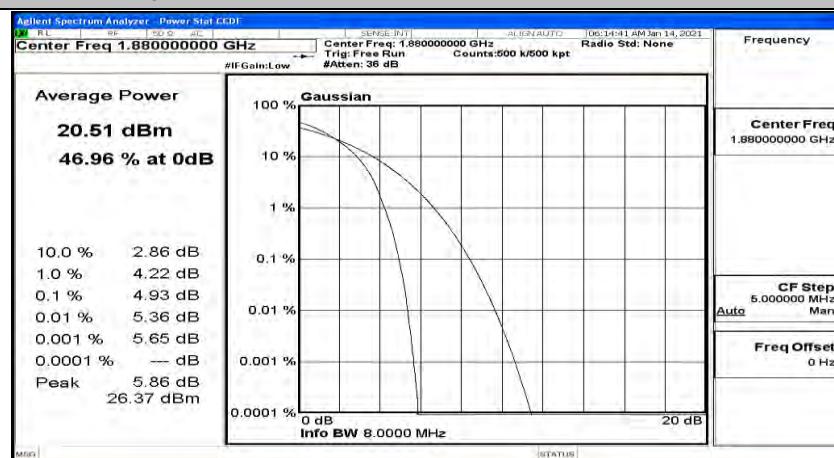
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:15 MHz)_HCH_QPSK
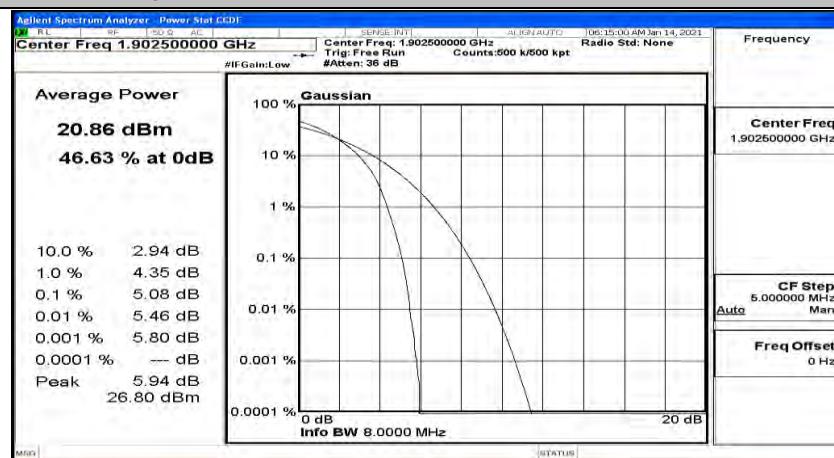
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:15 MHz)_LCH_16QAM
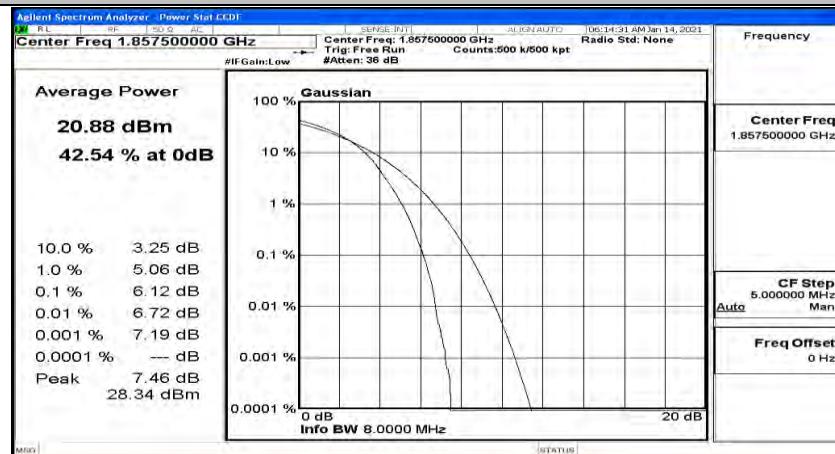
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:15 MHz)_MCH_16QAM
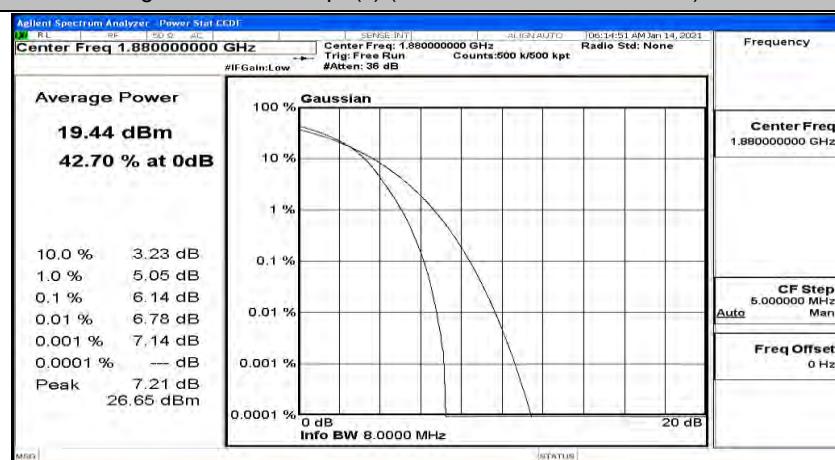
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:15 MHz)_HCH_16QAM
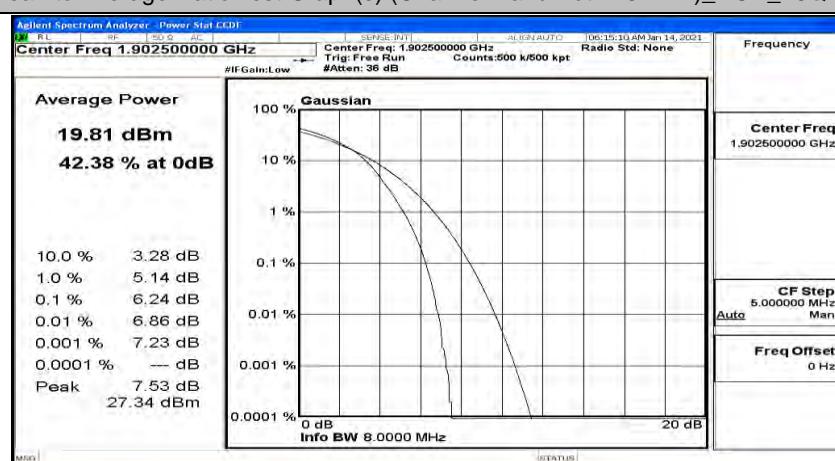
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:20 MHz)_LCH_QPSK
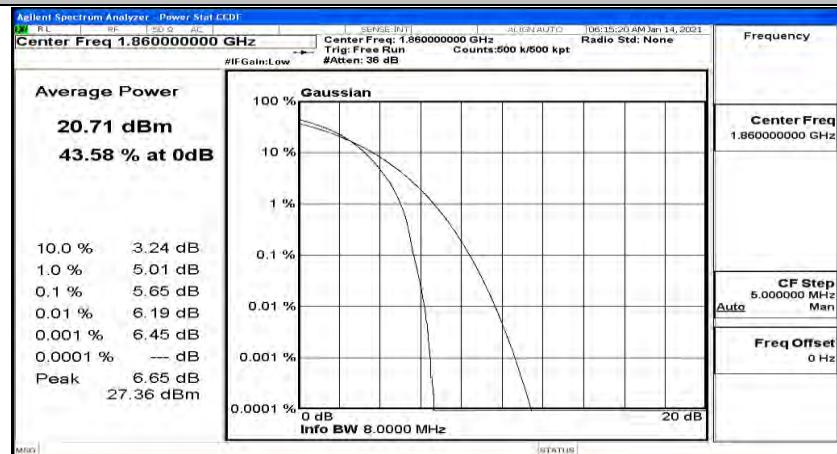
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:20 MHz)_MCH_QPSK
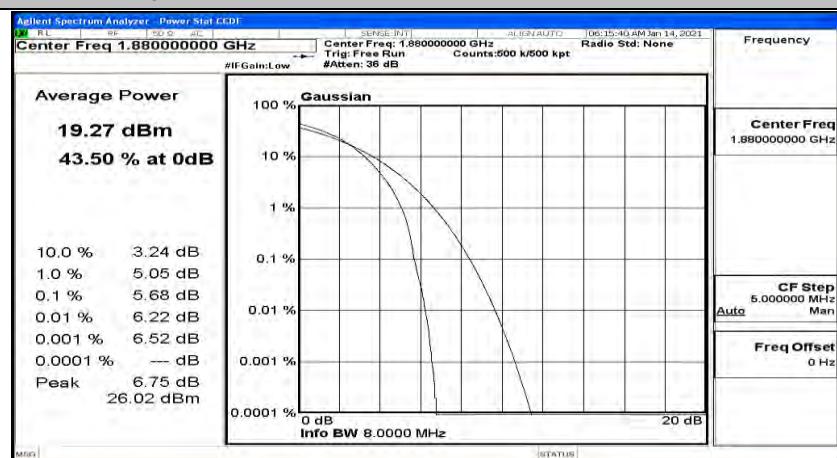
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:20 MHz)_HCH_QPSK
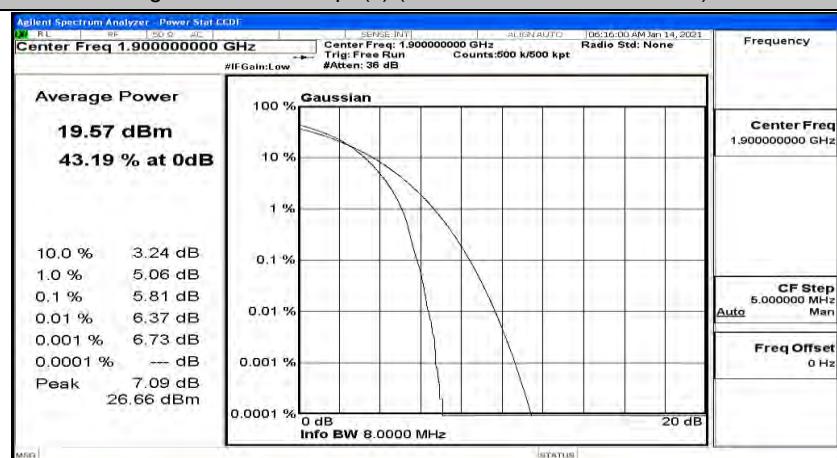
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:20 MHz)_LCH_16QAM
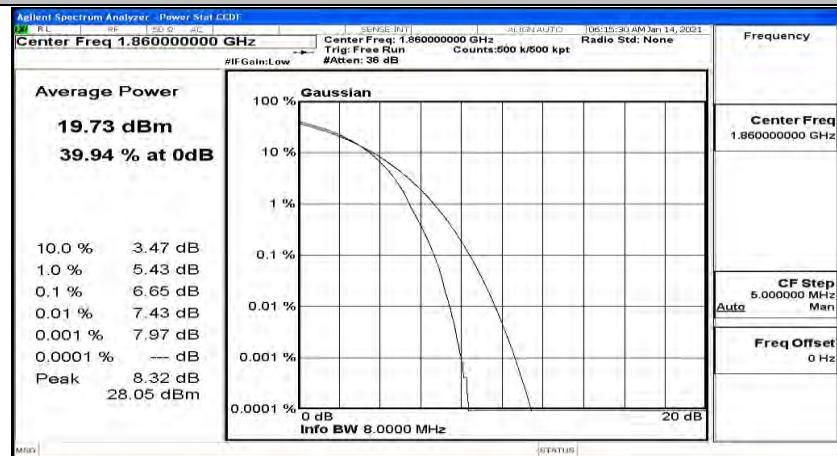
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:20 MHz)_MCH_16QAM
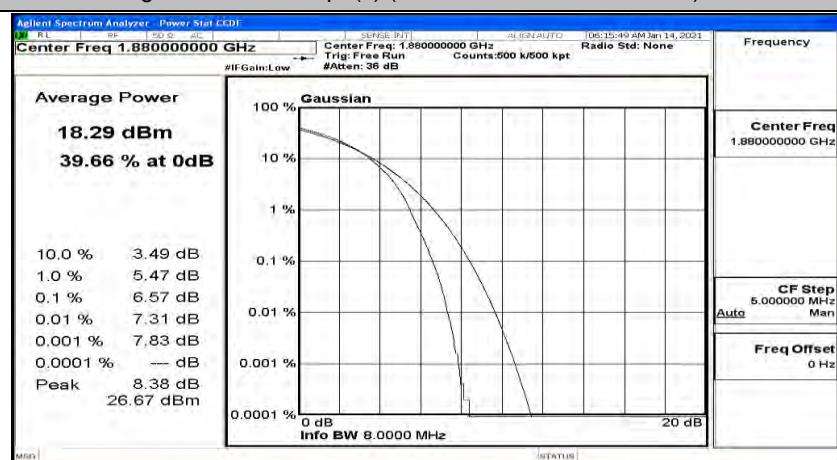
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:20 MHz)_HCH_16QAM
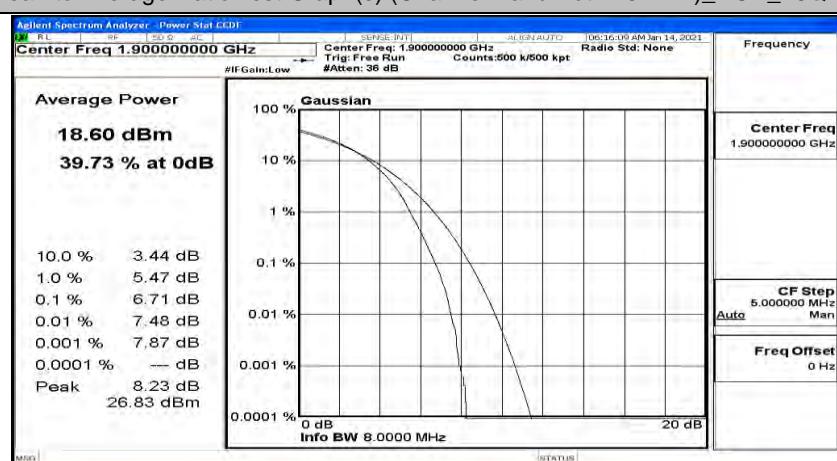
F.3 26dB Bandwidth and Occupied Bandwidth

EBW & OBW Test Result (Channel Bandwidth: 1.4 MHz)				
Modulation	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
QPSK	LCH	1.0754	1.231	PASS
	MCH	1.0764	1.220	PASS
	HCH	1.0755	1.227	PASS
16QAM	LCH	1.0797	1.240	PASS
	MCH	1.0774	1.234	PASS
	HCH	1.0772	1.219	PASS

EBW & OBW Test Result (Channel Bandwidth: 3 MHz)				
Modulation	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
QPSK	LCH	2.6797	2.853	PASS
	MCH	2.6786	2.842	PASS
	HCH	2.6790	2.824	PASS
16QAM	LCH	2.6793	2.844	PASS
	MCH	2.6822	2.841	PASS
	HCH	2.6739	2.840	PASS

EBW & OBW Test Result (Channel Bandwidth: 5 MHz)				
Modulation	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
QPSK	LCH	4.4815	4.854	PASS
	MCH	4.4685	4.861	PASS
	HCH	4.4750	4.837	PASS
16QAM	LCH	4.4786	4.860	PASS
	MCH	4.4781	4.838	PASS
	HCH	4.4714	4.865	PASS

EBW & OBW Test Result (Channel Bandwidth: 10 MHz)				
Modulation	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
QPSK	LCH	8.9496	9.647	PASS
	MCH	8.9456	9.466	PASS
	HCH	8.9256	9.498	PASS
16QAM	LCH	8.9417	9.546	PASS
	MCH	8.9277	9.549	PASS
	HCH	8.9156	9.453	PASS

EBW & OBW Test Result (Channel Bandwidth: 15 MHz)				
Modulation	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
QPSK	LCH	13.421	14.00	PASS
	MCH	13.399	14.12	PASS
	HCH	13.400	14.11	PASS
16QAM	LCH	13.398	14.07	PASS
	MCH	13.400	14.16	PASS
	HCH	13.388	14.09	PASS

EBW & OBW Test Result (Channel Bandwidth: 20 MHz)				
Modulation	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
QPSK	LCH	17.821	18.57	PASS
	MCH	17.855	18.62	PASS
	HCH	17.871	18.60	PASS
16QAM	LCH	17.834	18.58	PASS
	MCH	17.835	18.60	PASS
	HCH	17.861	18.64	PASS

EBW & OBW Test Graph(s) (Channel Bandwidth: 1.4 MHz)_LCH_QPSK
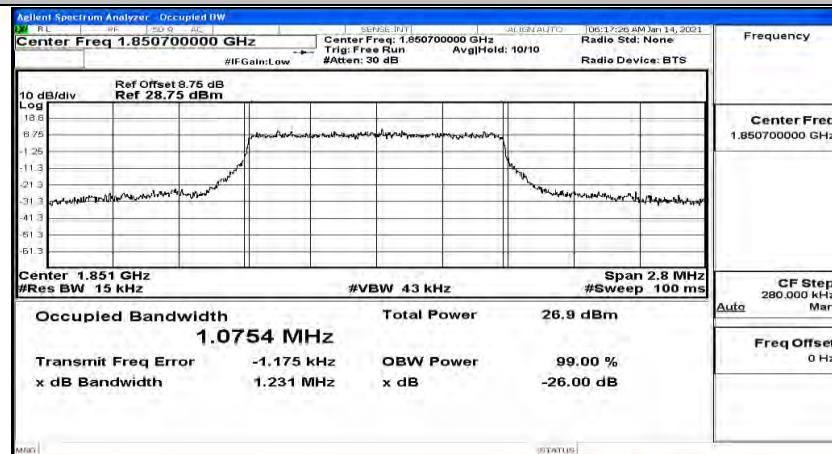
EBW & OBW Test Graph(s) (Channel Bandwidth: 1.4 MHz)_MCH_QPSK
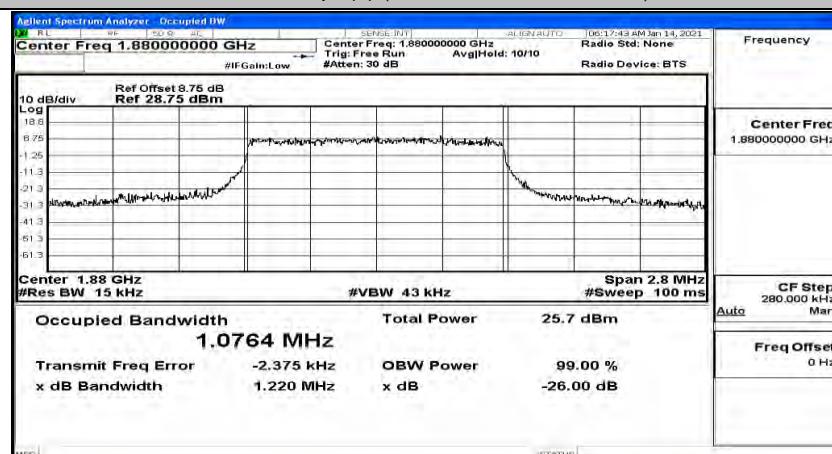
EBW & OBW Test Graph(s) (Channel Bandwidth: 1.4 MHz)_HCH_QPSK
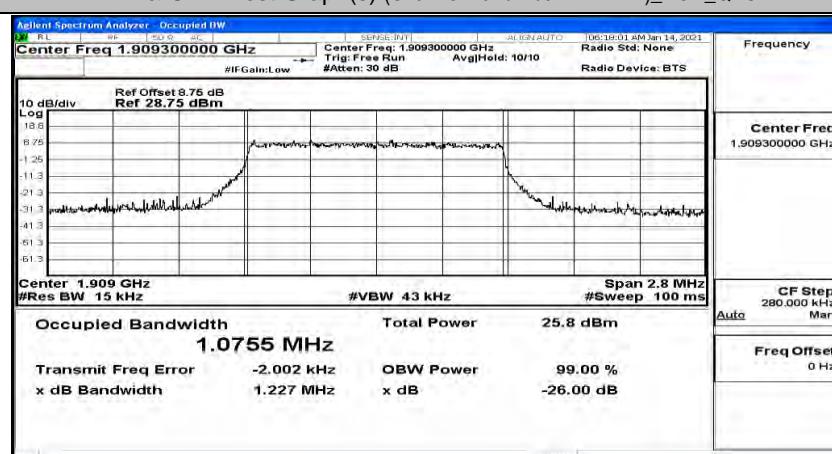
EBW & OBW Test Graph(s) (Channel Bandwidth: 1.4 MHz)_LCH_16QAM
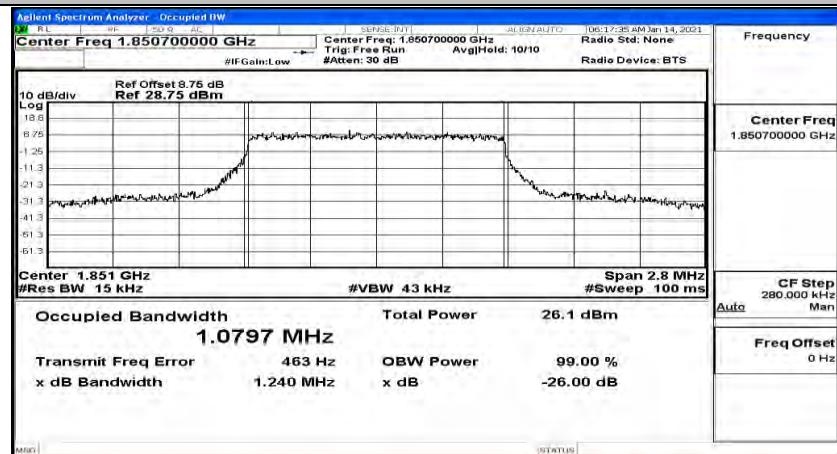
EBW & OBW Test Graph(s) (Channel Bandwidth: 1.4 MHz)_MCH_16QAM
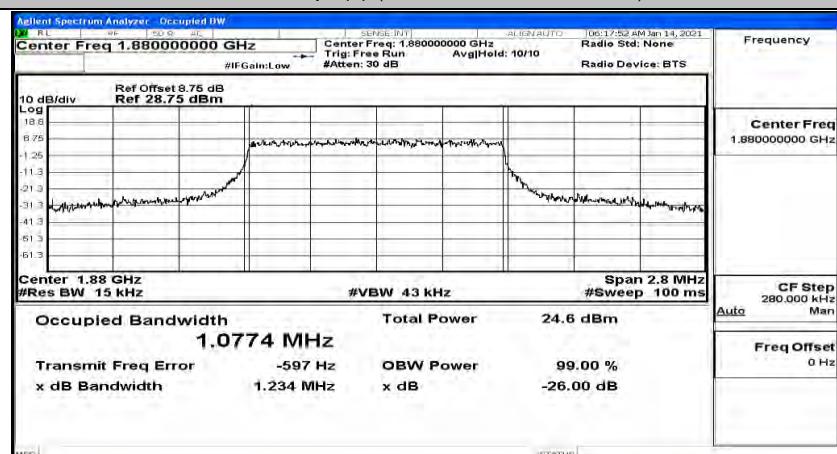
EBW & OBW Test Graph(s) (Channel Bandwidth: 1.4 MHz)_HCH_16QAM
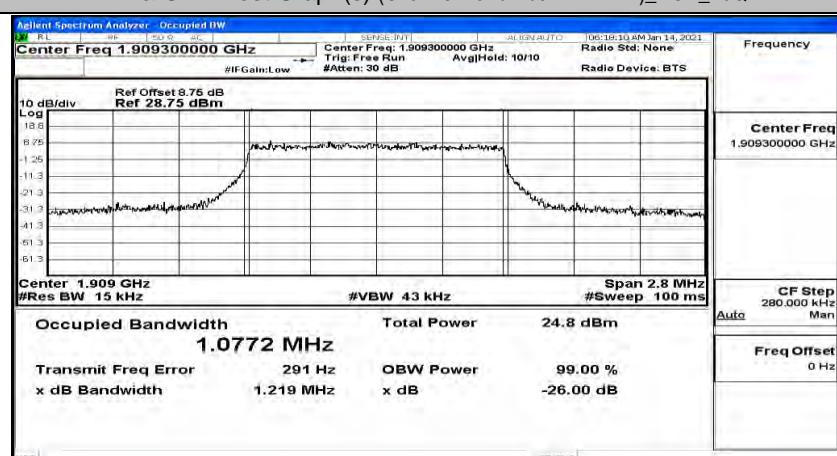
EBW & OBW Test Graph(s) (Channel Bandwidth: 3 MHz)_LCH_QPSK
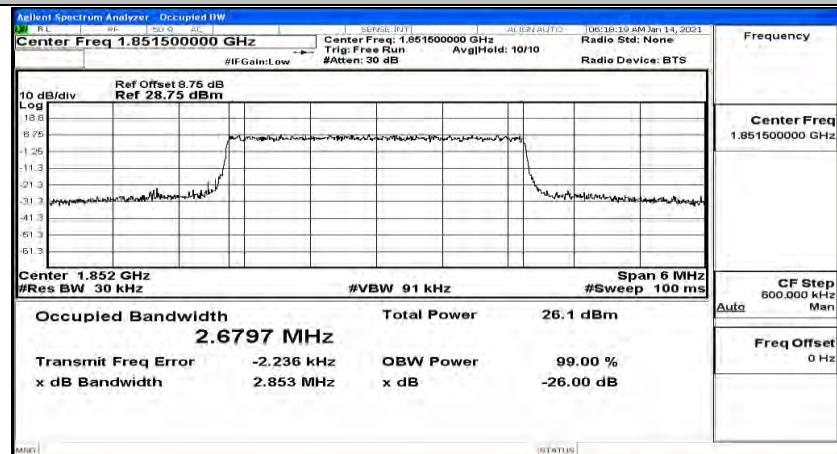
| EBW & OBW Test Graph(s) (Channel Bandwidth: 3 MHz)_MCH_QPSK |
|---|
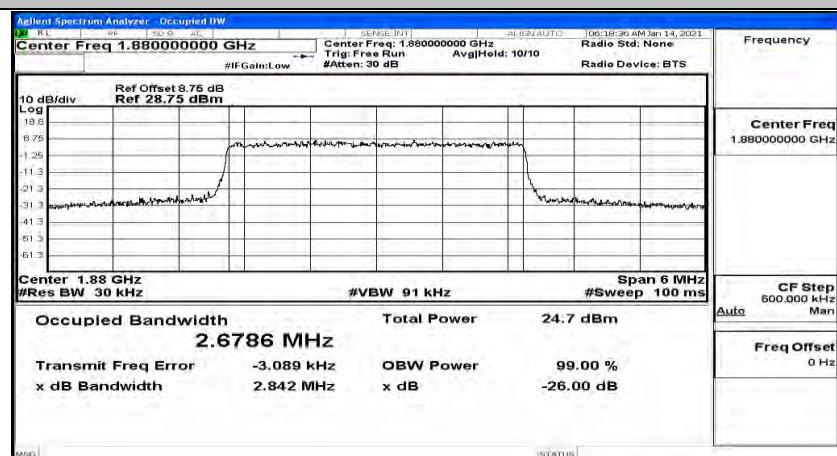
EBW & OBW Test Graph(s) (Channel Bandwidth: 3 MHz)_HCH_QPSK
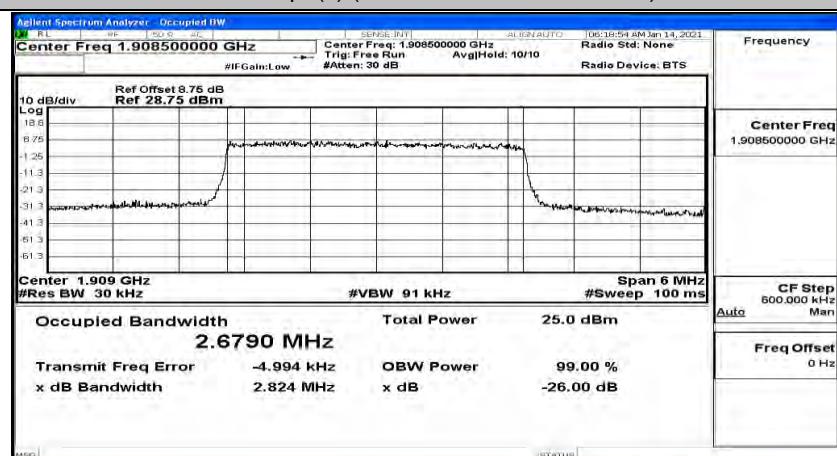
| EBW & OBW Test Graph(s) (Channel Bandwidth: 3 MHz)_LCH_16QAM |
|---|
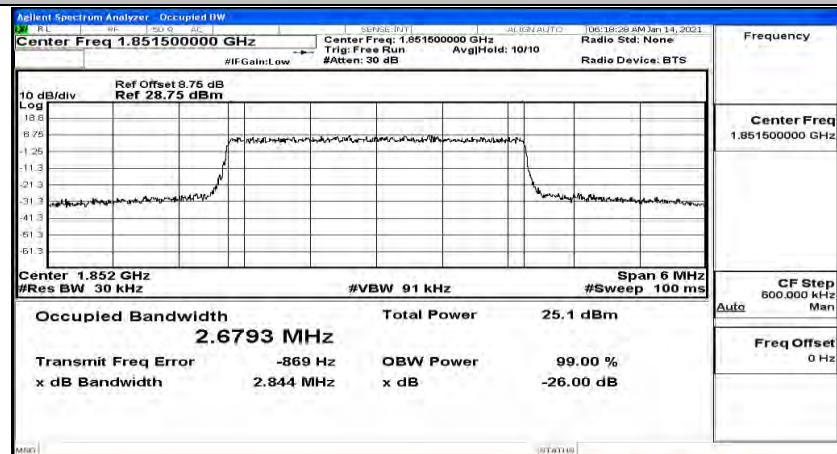
Occupied Bandwidth		Total Power	25.1 dBm
2.6793 MHz			
Transmit Freq Error	-869 Hz	OBW Power	99.00 %
x dB Bandwidth	2.844 MHz	x dB	-26.00 dB

EBW & OBW Test Graph(s) (Channel Bandwidth: 3 MHz)_MCH_16QAM

Occupied Bandwidth		Total Power	23.7 dBm
2.6822 MHz			
Transmit Freq Error	79 Hz	OBW Power	99.00 %
x dB Bandwidth	2.841 MHz	x dB	-26.00 dB

EBW & OBW Test Graph(s) (Channel Bandwidth: 3 MHz)_HCH_16QAM

| Occupied Bandwidth		Total Power	24.0 dBm
2.6739 MHz			
Transmit Freq Error	-5.353 kHz	OBW Power	99.00 %
x dB Bandwidth	2.840 MHz	x dB	-26.00 dB
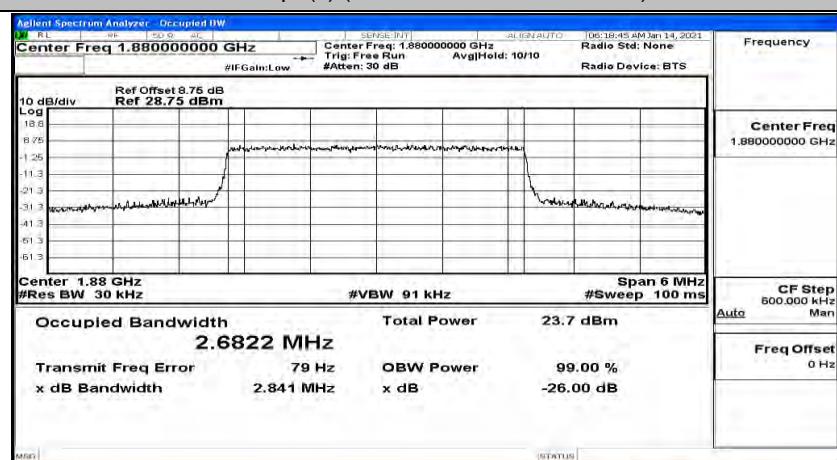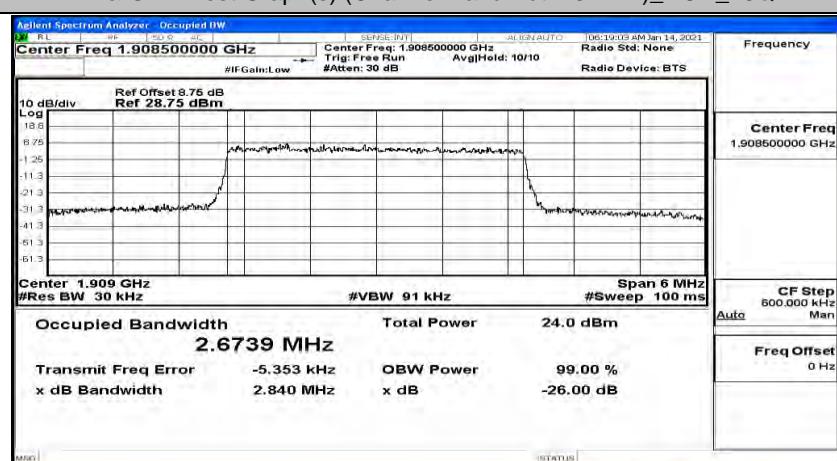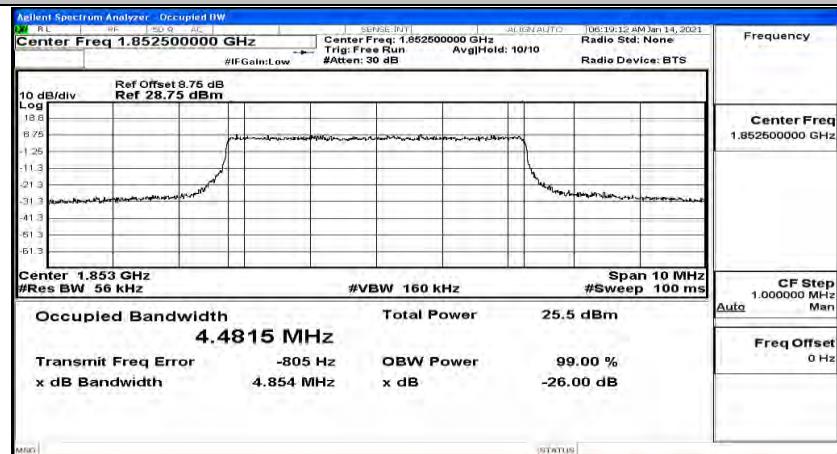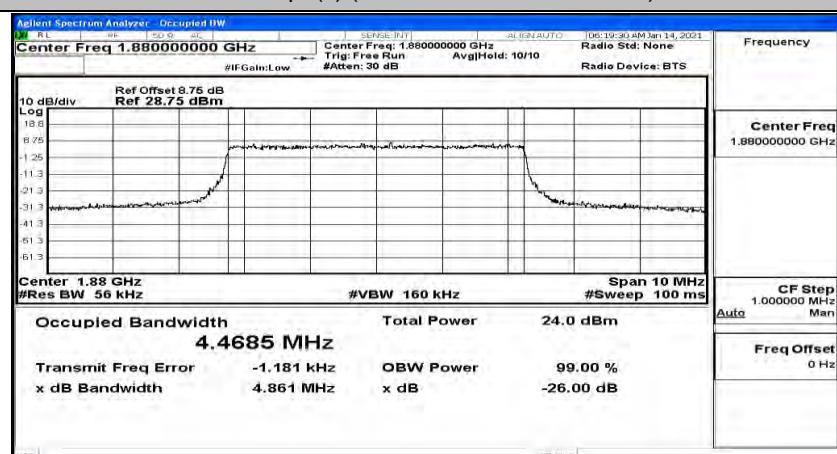
| EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_QPSK |
|---|

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

| EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_QPSK |
|---|
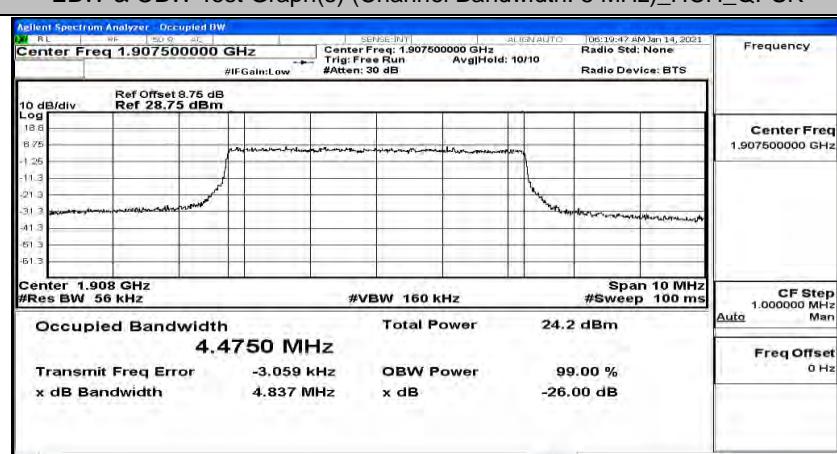
EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_16QAM
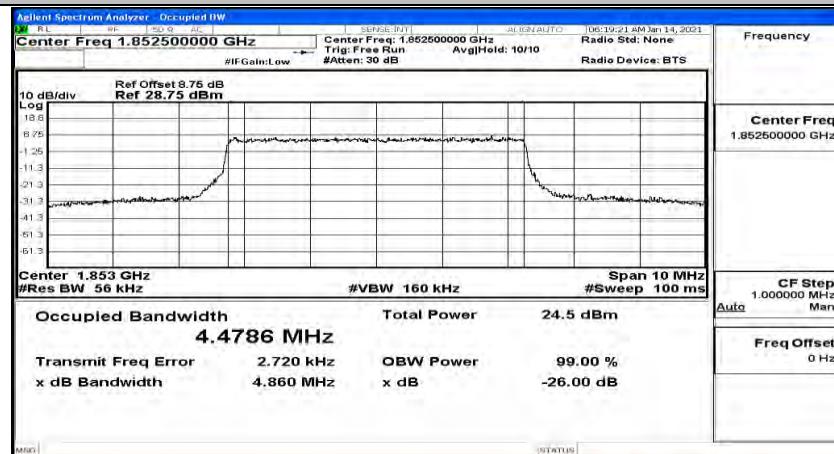
EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz)_MCH_16QAM
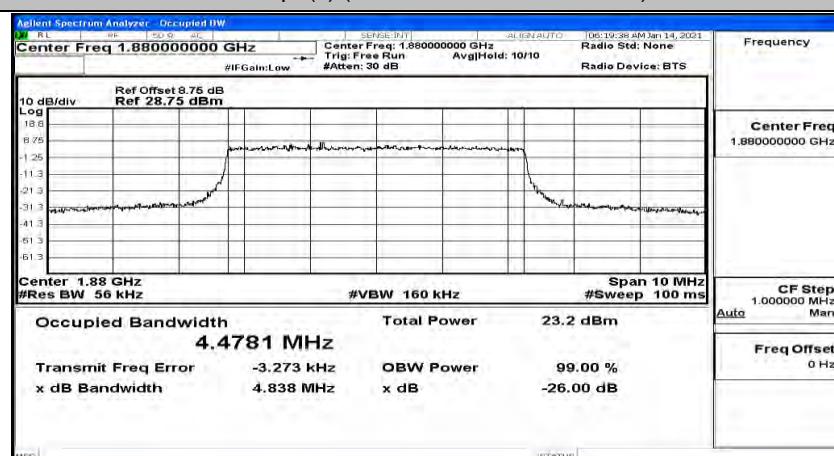
EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_16QAM
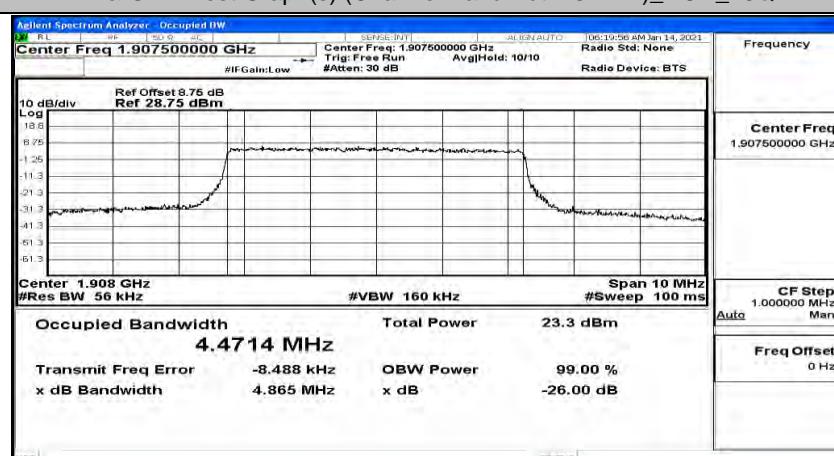
EBW & OBW Test Graph(s) (Channel Bandwidth: 10 MHz)_LCH_QPSK
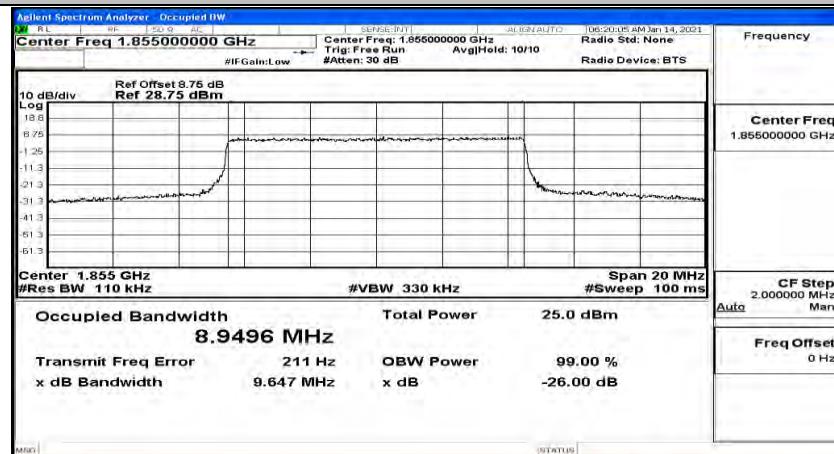
EBW & OBW Test Graph(s) (Channel Bandwidth: 10 MHz)_MCH_QPSK
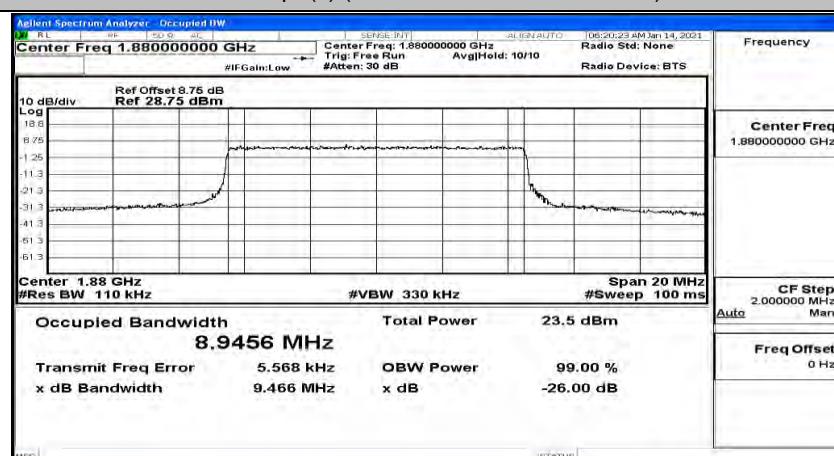
EBW & OBW Test Graph(s) (Channel Bandwidth: 10 MHz)_HCH_QPSK
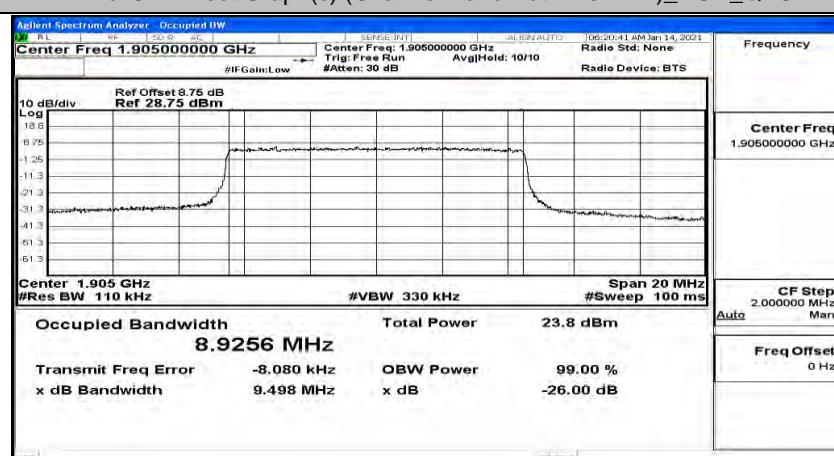
EBW & OBW Test Graph(s) (Channel Bandwidth: 10 MHz)_LCH_16QAM
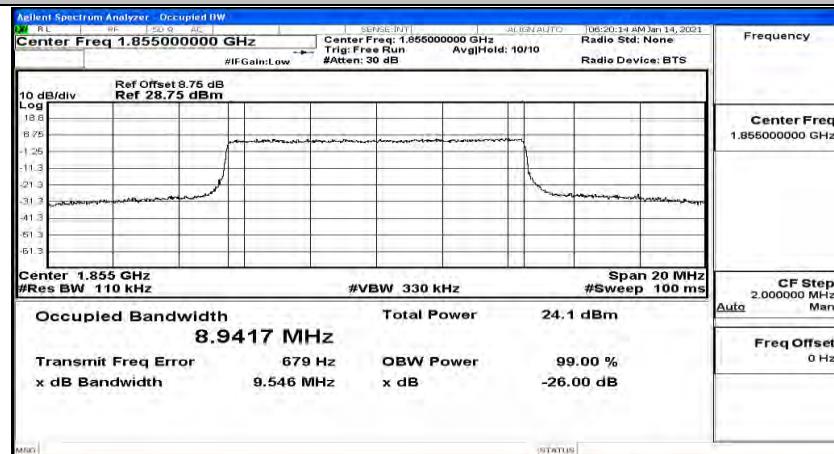
EBW & OBW Test Graph(s) (Channel Bandwidth: 10 MHz)_MCH_16QAM
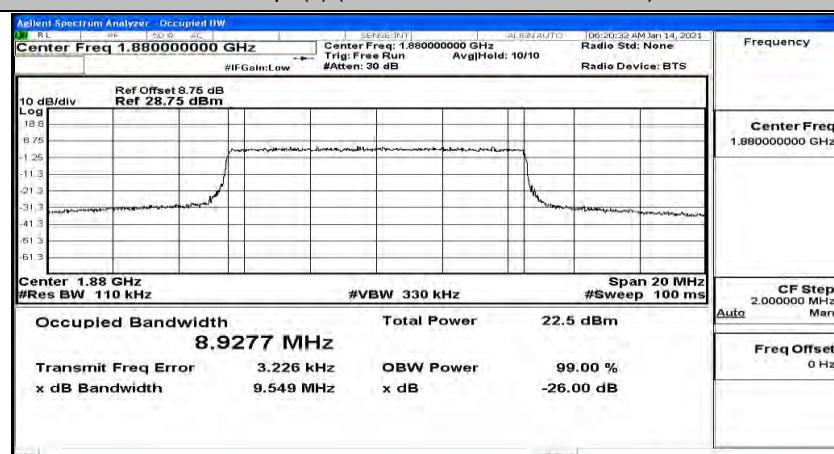
| EBW & OBW Test Graph(s) (Channel Bandwidth: 10 MHz)_HCH_16QAM |
|---|
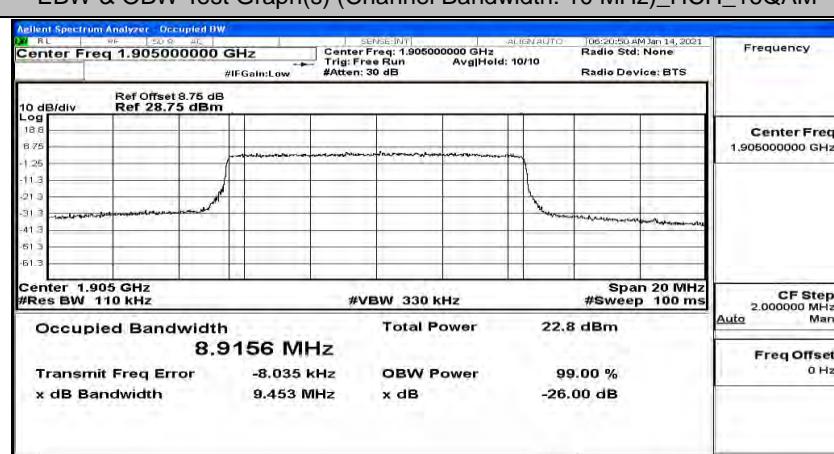
EBW & OBW Test Graph(s) (Channel Bandwidth:15 MHz)_LCH_QPSK
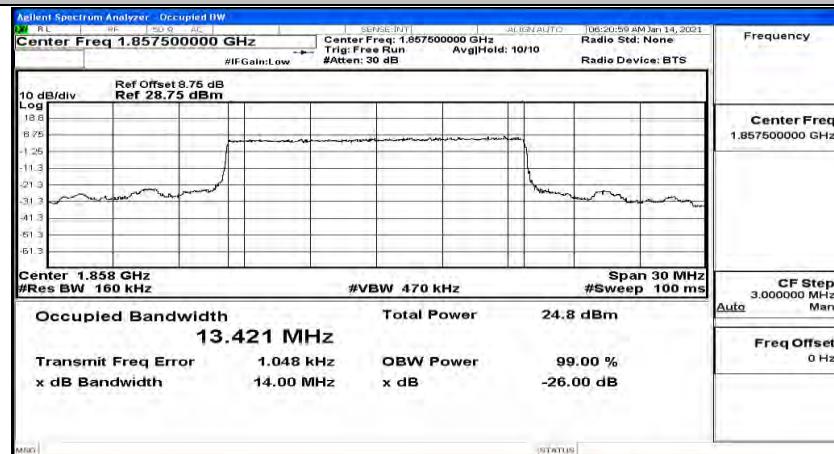
EBW & OBW Test Graph(s) (Channel Bandwidth:15 MHz)_MCH_QPSK
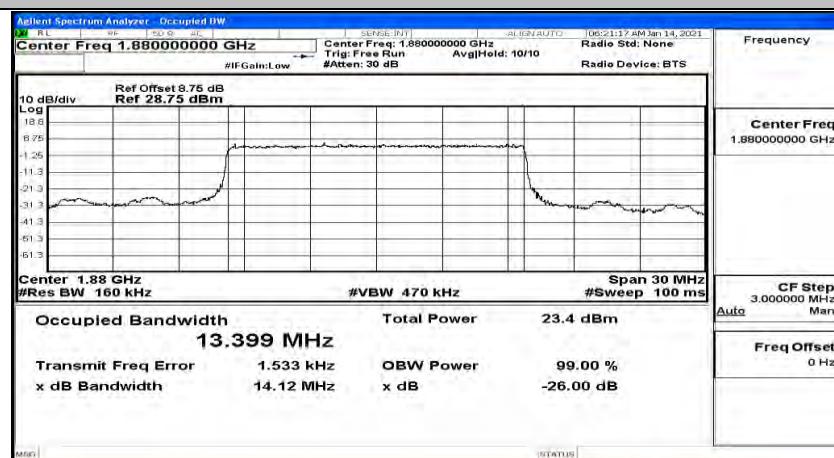
EBW & OBW Test Graph(s) (Channel Bandwidth:15 MHz)_HCH_QPSK
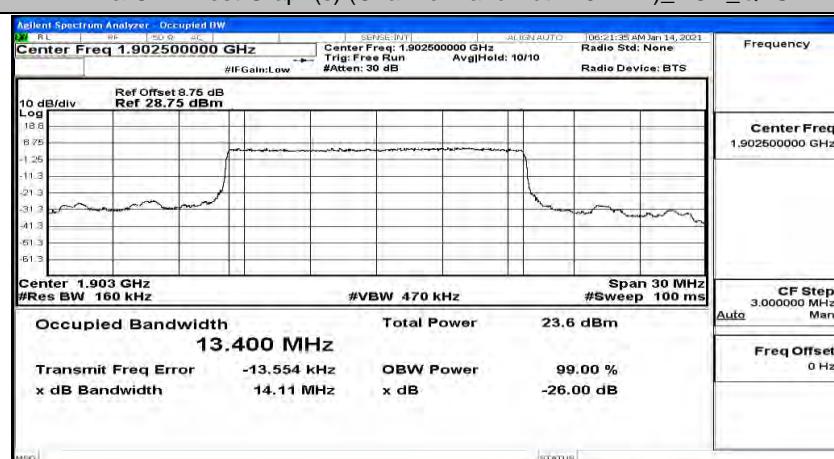
EBW & OBW Test Graph(s) (Channel Bandwidth:15 MHz)_LCH_16QAM
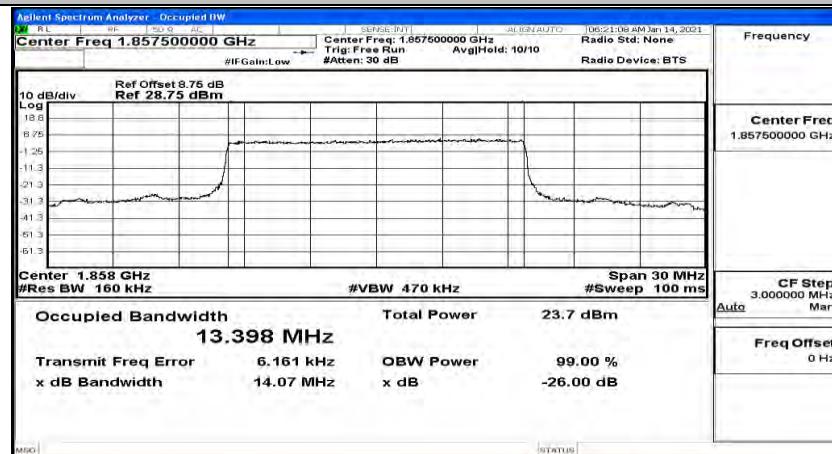
## EBW & OBW Test Graph(s) (Channel Bandwidth:15 MHz)_MCH_16QAM
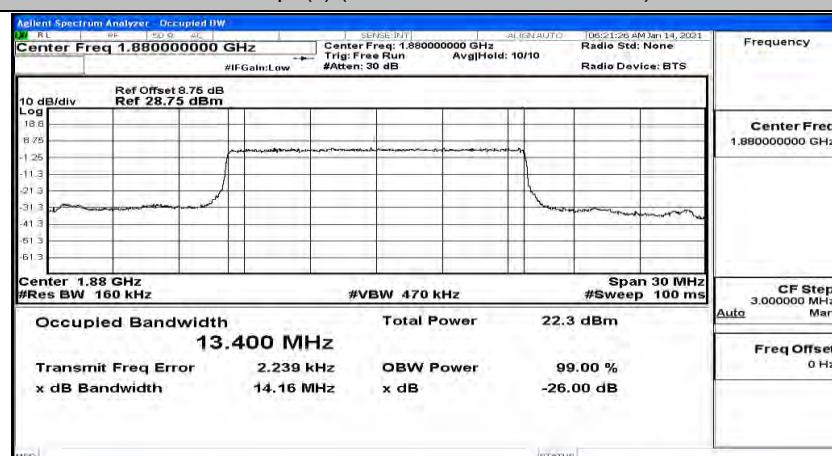
## EBW & OBW Test Graph(s) (Channel Bandwidth:15 MHz)_HCH_16QAM
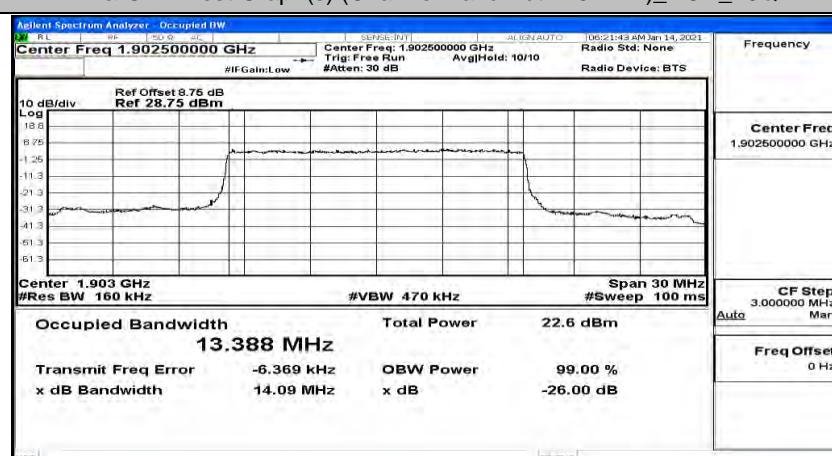
EBW & OBW Test Graph(s) (Channel Bandwidth:20 MHz)_LCH_QPSK
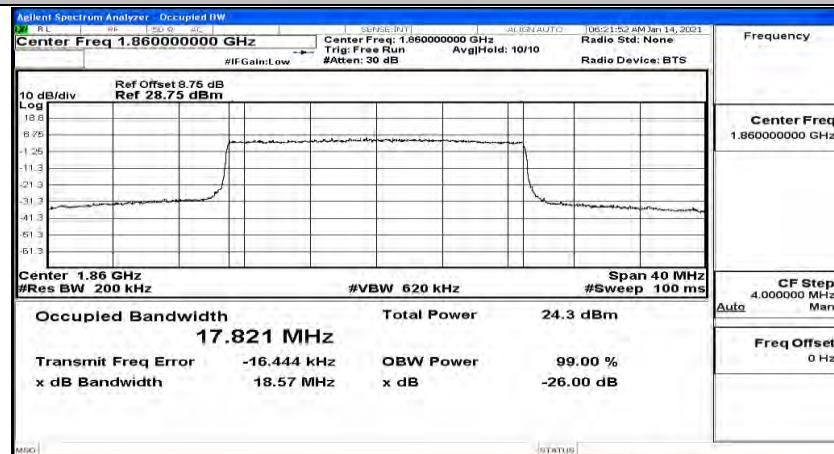
EBW & OBW Test Graph(s) (Channel Bandwidth:20 MHz)_MCH_QPSK
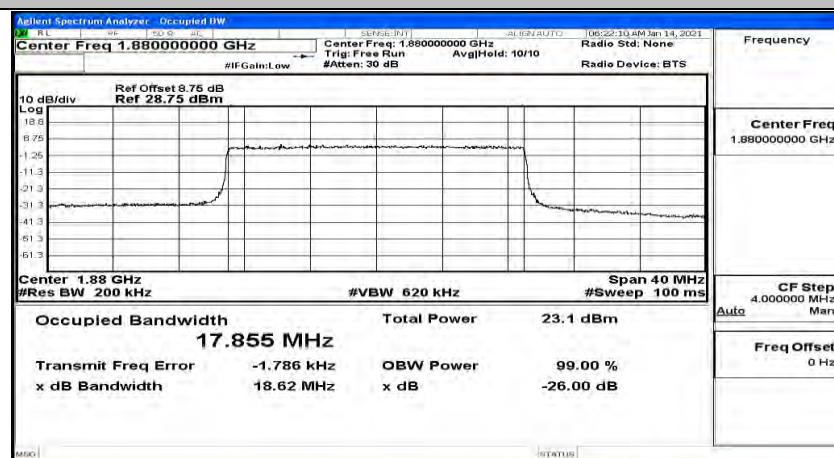
EBW & OBW Test Graph(s) (Channel Bandwidth:20 MHz)_HCH_QPSK
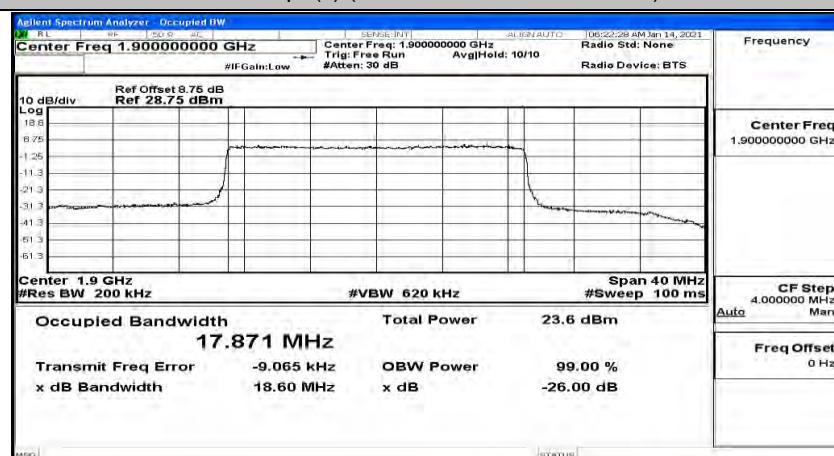
EBW & OBW Test Graph(s) (Channel Bandwidth:20 MHz)_LCH_16QAM
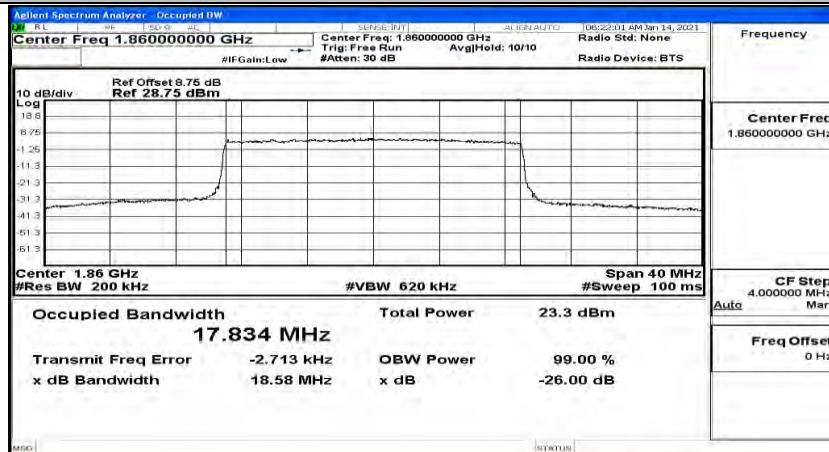
Occupied Bandwidth		Total Power	23.3 dBm
17.834 MHz			
Transmit Freq Error	-2.713 kHz	OBW Power	99.00 %
x dB Bandwidth	18.58 MHz	x dB	-26.00 dB

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

Occupied Bandwidth		Total Power	22.0 dBm
17.835 MHz			
Transmit Freq Error	-5.888 kHz	OBW Power	99.00 %
x dB Bandwidth	18.60 MHz	x dB	-26.00 dB

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

Occupied Bandwidth		Total Power	22.6 dBm
17.861 MHz			
Transmit Freq Error	-13.665 kHz	OBW Power	99.00 %
x dB Bandwidth	18.64 MHz	x dB	-26.00 dB
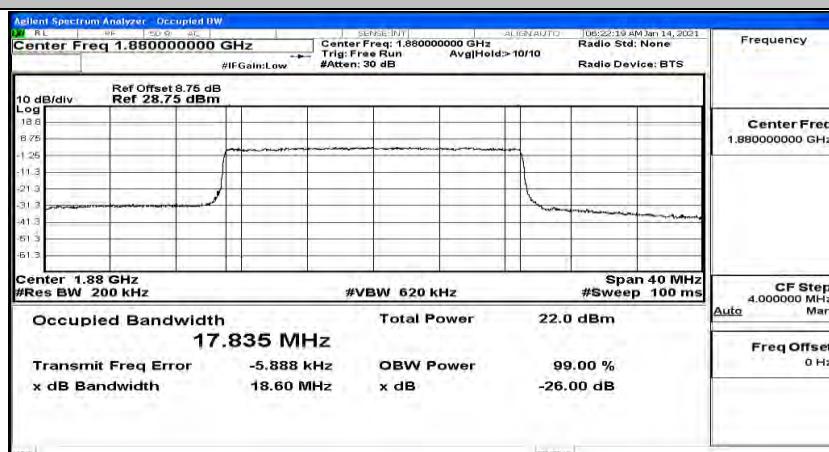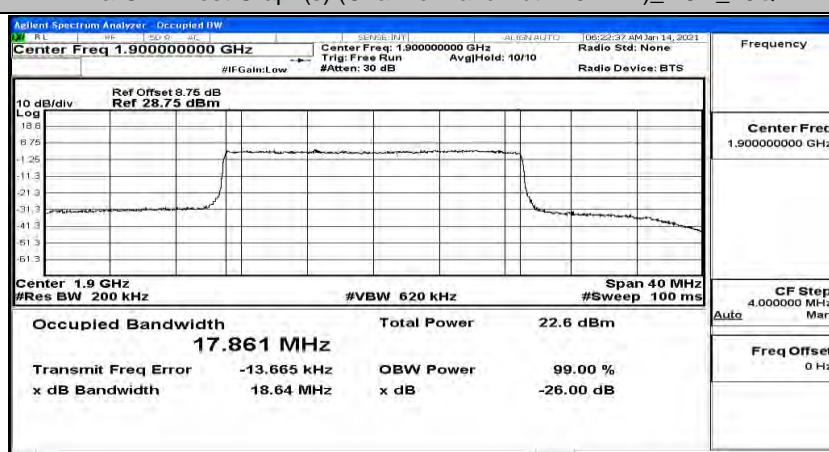
F.4 Band Edge

| 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 |
|---|
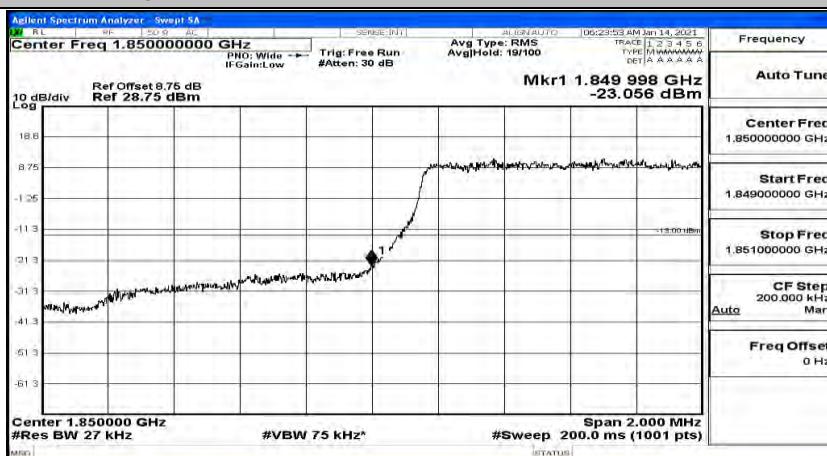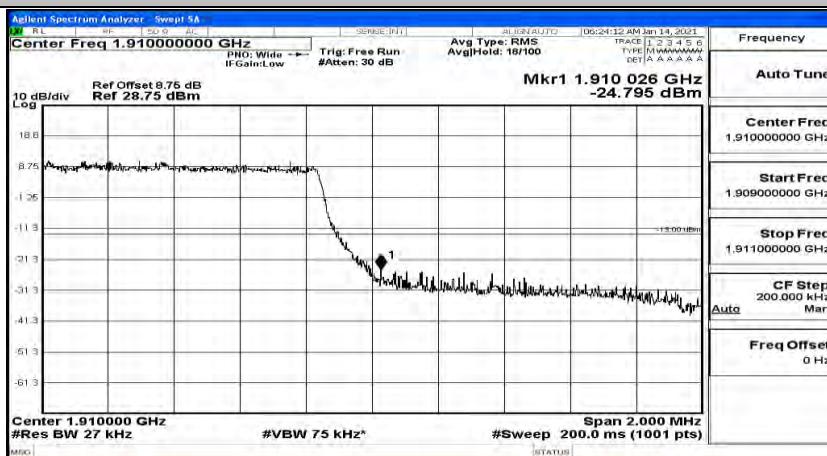
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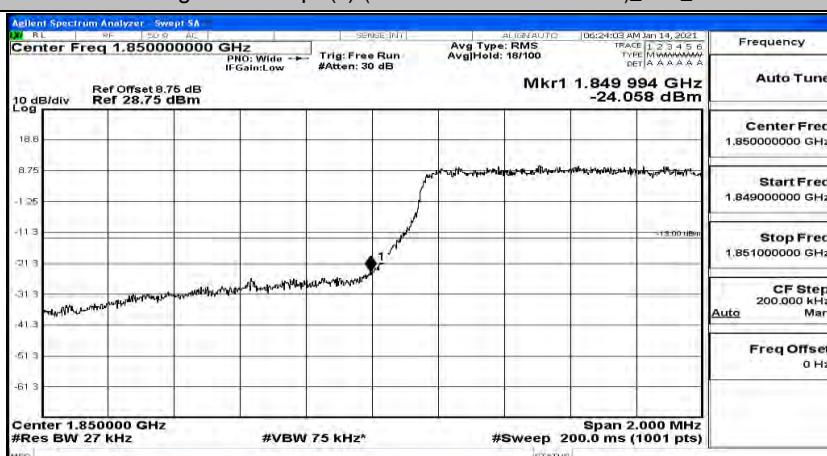
Band Edge Test Graph(s) (Channel Bandwidth: 1.4 MHz)_HCH_16QAM
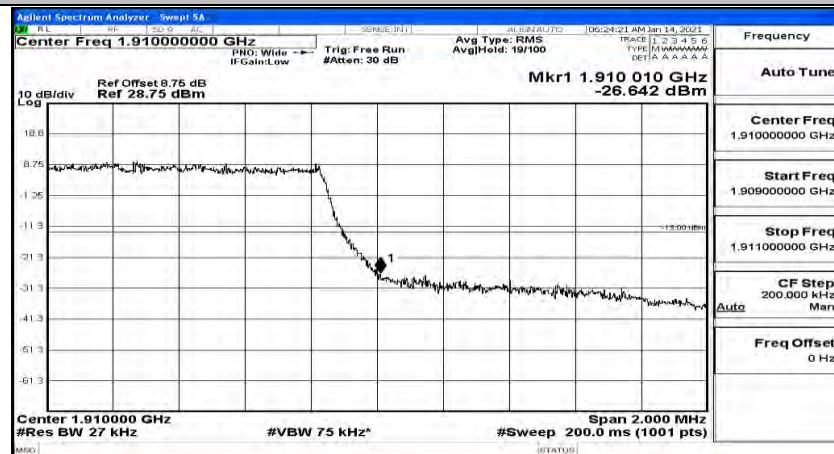
Band Edge Test Graph(s) (Channel Bandwidth: 3 MHz)_LCH_QPSK
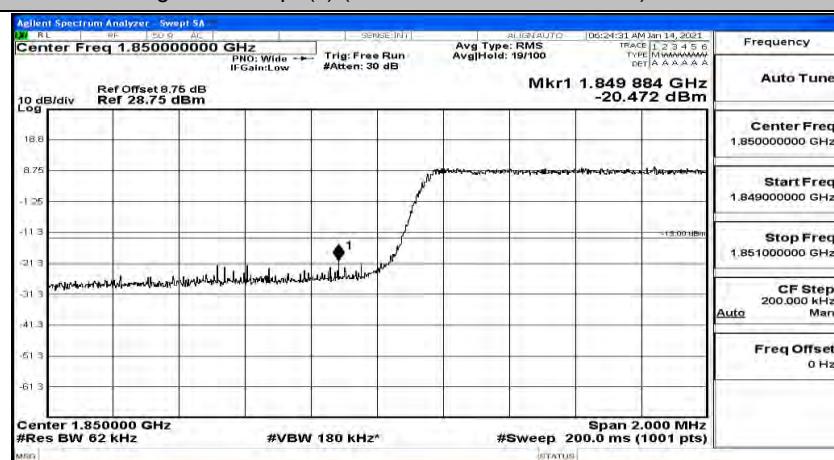
Band Edge Test Graph(s) (Channel Bandwidth: 3 MHz)_HCH_QPSK
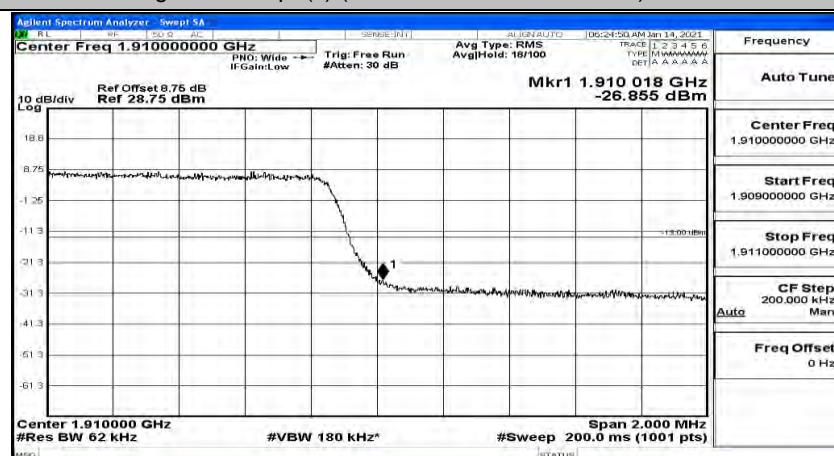
Band Edge Test Graph(s) (Channel Bandwidth: 3 MHz)_LCH_16QAM
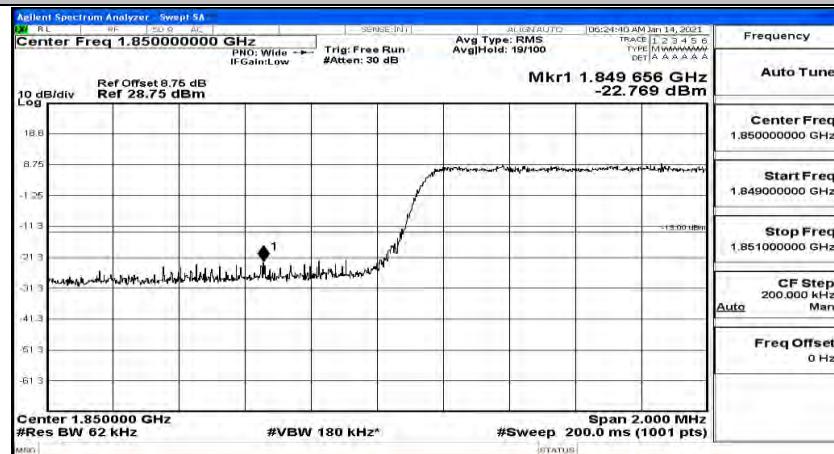
Band Edge Test Graph(s) (Channel Bandwidth: 3 MHz)_HCH_16QAM
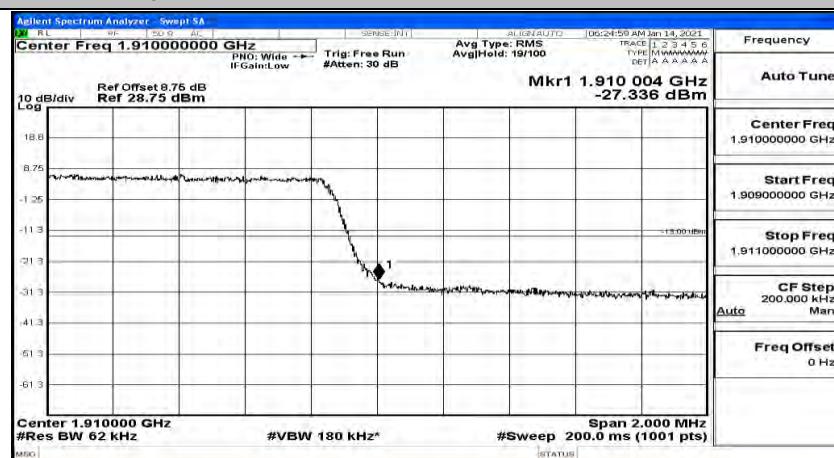
Band Edge Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_QPSK
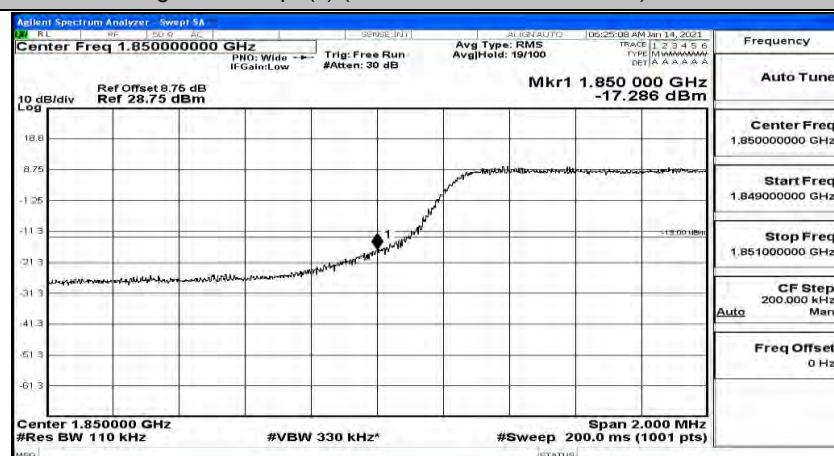
| Band Edge Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_QPSK |
|---|
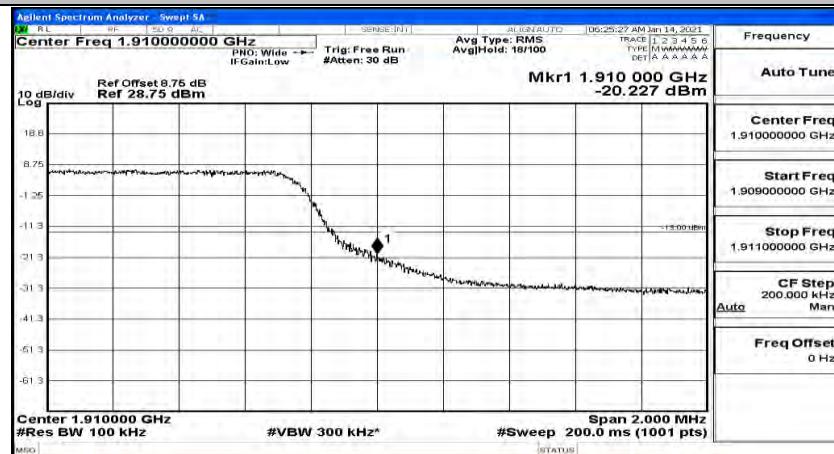
Band Edge Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_16QAM
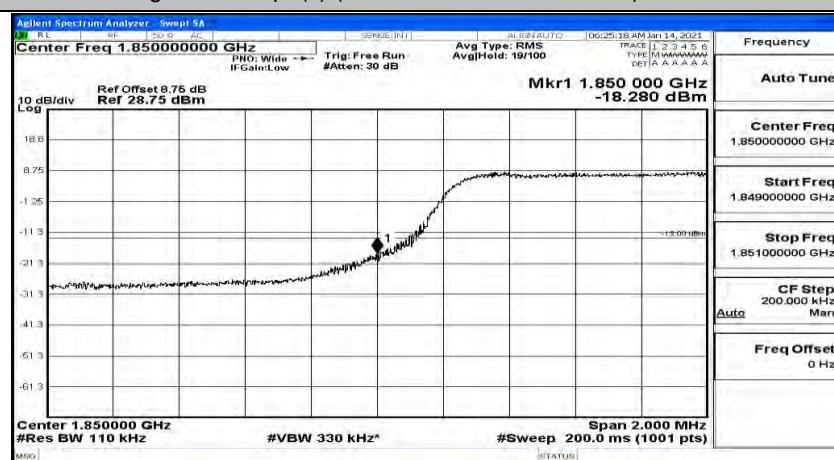
Band Edge Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_16QAM
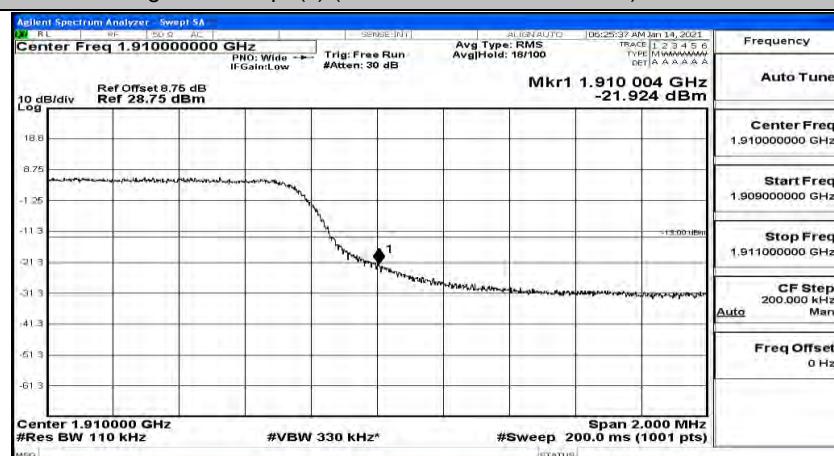
Band Edge Test Graph(s) (Channel Bandwidth: 10 MHz)_LCH_QPSK
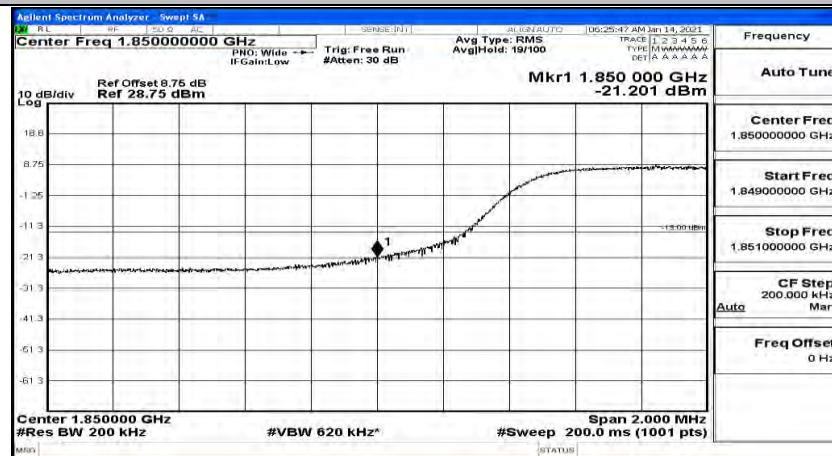
Band Edge Test Graph(s) (Channel Bandwidth: 10 MHz)_HCH_QPSK
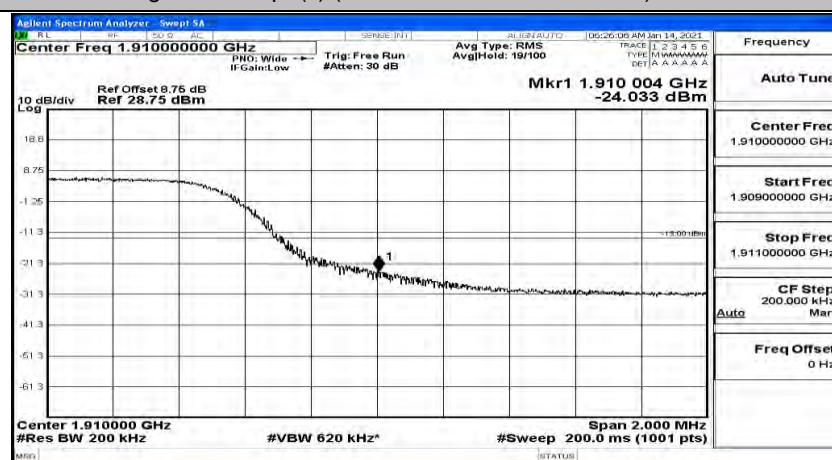
Band Edge Test Graph(s) (Channel Bandwidth: 10 MHz)_LCH_16QAM
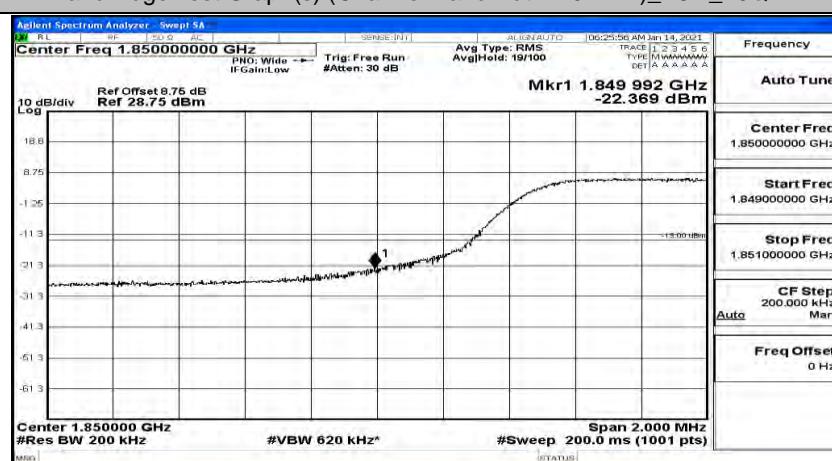
Band Edge Test Graph(s) (Channel Bandwidth: 10 MHz)_HCH_16QAM

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

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