Appendix B: Test Data for E-UTRA Band 2

Product Name: Battery Operated LTE Cellular GPS Tracker
Trade Mark: Phillips Connect Technologies
Test Model: Dagger67

Environmental Conditions

Temperature:	23.1° C
Relative Humidity:	53.4%
ATM Pressure:	100.0 kPa
Test Engineer:	Diamond.Lu
Supervised by:	Tom.Liu

B.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	23.07	22.04	PASS
		1	3	**23.19**	22.07	PASS
		1	5	23.11	**22.07**	PASS
		3	0	22.94	21.92	PASS
		3	2	23.06	22.03	PASS
		3	3	23.13	22.06	PASS
		6	0	21.81	20.84	PASS
	MCH	1	0	22.93	22.25	PASS
		1	3	22.99	22.28	PASS
		1	5	22.92	22.07	PASS
		3	0	23.05	22.03	PASS
		3	2	23.11	22.12	PASS
		3	3	22.97	21.92	PASS
		6	0	22.02	20.78	PASS
	HCH	1	0	**23.07**	21.64	PASS
		1	3	22.87	21.60	PASS
		1	5	22.83	21.45	PASS
		3	0	22.99	21.83	PASS
		3	2	23.00	22.83	PASS
		3	3	22.96	21.75	PASS
		6	0	21.92	20.89	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	**23.05**	22.05	PASS
		1	7	23.01	22.20	PASS
		1	14	22.83	22.00	PASS
		8	0	21.93	21.00	PASS
		8	4	21.94	21.09	PASS
		8	7	21.88	21.01	PASS
		15	0	21.92	20.91	PASS
	MCH	1	0	23.12	22.64	PASS
		1	7	**23.18**	22.73	PASS
		1	14	23.05	22.37	PASS
		8	0	22.04	21.18	PASS
		8	4	22.09	20.98	PASS
		8	7	22.01	20.97	PASS
		15	0	22.10	21.11	PASS
	HCH	1	0	**22.96**	22.35	PASS
		1	7	22.94	21.99	PASS
		1	14	22.18	21.65	PASS
		8	0	21.93	21.21	PASS
		8	4	21.89	20.81	PASS
		8	7	21.89	20.70	PASS
		15	0	21.93	21.00	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	22.87	22.32	PASS
		1	12	**22.96**	22.30	PASS
		1	24	22.73	22.08	PASS
		12	0	21.93	21.05	PASS
		12	6	21.91	21.13	PASS
		12	13	21.89	21.11	PASS
		25	0	21.91	21.04	PASS
	MCH	1	0	23.01	22.30	PASS
		1	12	**23.09**	22.41	PASS
		1	24	22.85	22.12	PASS
		12	0	22.08	21.32	PASS
		12	6	22.09	21.33	PASS
		12	13	22.08	21.23	PASS
		25	0	22.02	21.26	PASS
	HCH	1	0	22.89	21.25	PASS
		1	12	**23.40**	21.52	PASS
		1	24	22.05	20.98	PASS
		12	0	21.92	21.02	PASS
		12	6	22.03	21.20	PASS
		12	13	21.85	20.95	PASS
		25	0	21.88	21.00	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	23.16	22.75	PASS
		1	24	**23.36**	22.90	PASS
		1	49	22.57	21.90	PASS
		25	0	22.04	21.11	PASS
		25	12	22.03	21.13	PASS
		25	25	21.98	21.04	PASS
		50	0	22.02	21.01	PASS
	MCH	1	0	22.29	21.65	PASS
		1	24	**24.01**	23.39	PASS
		1	49	22.87	22.11	PASS
		25	0	22.12	21.21	PASS
		25	12	22.24	21.41	PASS
		25	25	22.05	21.30	PASS
		50	0	22.05	21.22	PASS
	HCH	1	0	20.86	20.33	PASS
		1	24	**22.85**	22.10	PASS
		1	49	21.53	21.05	PASS
		25	0	21.77	20.88	PASS
		25	12	22.71	21.36	PASS
		25	25	22.03	21.17	PASS
		50	0	21.98	21.05	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	22.93	22.78	PASS
		1	37	**23.31**	22.87	PASS
		1	74	22.03	21.39	PASS
		37	0	21.99	20.95	PASS
		37	18	22.12	21.09	PASS
		37	38	22.01	21.06	PASS
		75	0	22.08	21.19	PASS
	MCH	1	0	22.83	22.19	PASS
		1	37	**23.86**	23.26	PASS
		1	74	22.91	22.57	PASS
		37	0	22.29	21.20	PASS
		37	18	22.29	21.34	PASS
		37	38	22.18	21.18	PASS
		75	0	22.21	21.27	PASS
	HCH	1	0	21.20	20.61	PASS
		1	37	21.92	21.30	PASS
		1	74	21.27	20.74	PASS
		37	0	21.27	20.37	PASS
		37	18	21.89	20.98	PASS
		37	38	**22.41**	21.51	PASS
		75	0	21.84	21.03	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	23.09	21.94	PASS
		1	49	**23.23**	22.16	PASS
		1	99	21.55	20.75	PASS
		50	0	22.25	21.40	PASS
		50	25	22.33	21.49	PASS
		50	50	22.19	21.31	PASS
		100	0	22.20	21.22	PASS
	MCH	1	0	22.55	21.23	PASS
		1	49	**24.00**	22.80	PASS
		1	99	22.84	21.15	PASS
		50	0	22.28	21.28	PASS
		50	25	22.37	21.52	PASS
		50	50	22.20	21.28	PASS
		100	0	22.27	21.28	PASS
	HCH	1	0	22.57	21.84	PASS
		1	49	21.58	20.96	PASS
		1	99	21.39	20.85	PASS
		50	0	21.86	20.99	PASS
		50	25	21.65	20.78	PASS
		50	50	21.99	21.15	PASS
		100	0	21.89	20.99	PASS

B.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	5.07	<13	PASS
	MCH	5.18	<13	PASS
	HCH	5.1	<13	PASS
16QAM	LCH	5.92	<13	PASS
	MCH	6.03	<13	PASS
	HCH	5.93	<13	PASS

Peak-to Average Ratio Test Result (Channel Bandwidth: 3 MHz)				
Modulation	Channel	Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
QPSK	LCH	5.11	<13	PASS
	MCH	5.27	<13	PASS
	HCH	5.17	<13	PASS
16QAM	LCH	5.98	<13	PASS
	MCH	6.14	<13	PASS
	HCH	5.94	<13	PASS

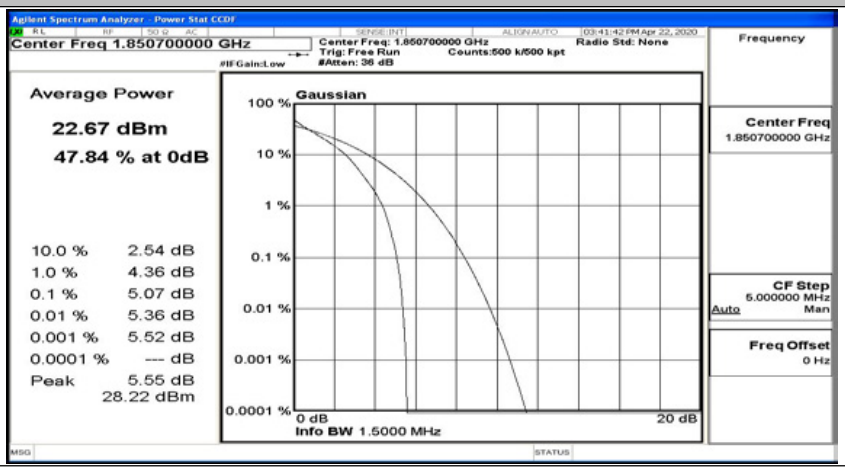
Peak-to Average Ratio Test Result (Channel Bandwidth: 5 MHz)				
Modulation	Channel	Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
QPSK	LCH	5.11	<13	PASS
	MCH	5.24	<13	PASS
	HCH	5.08	<13	PASS
16QAM	LCH	5.87	<13	PASS
	MCH	6.03	<13	PASS
	HCH	5.92	<13	PASS

Peak-to Average Ratio Test Result (Channel Bandwidth: 10 MHz)				
Modulation	Channel	Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
QPSK	LCH	5.14	<13	PASS
	MCH	5.13	<13	PASS
	HCH	5.12	<13	PASS
16QAM	LCH	5.92	<13	PASS
	MCH	5.96	<13	PASS
	HCH	5.98	<13	PASS

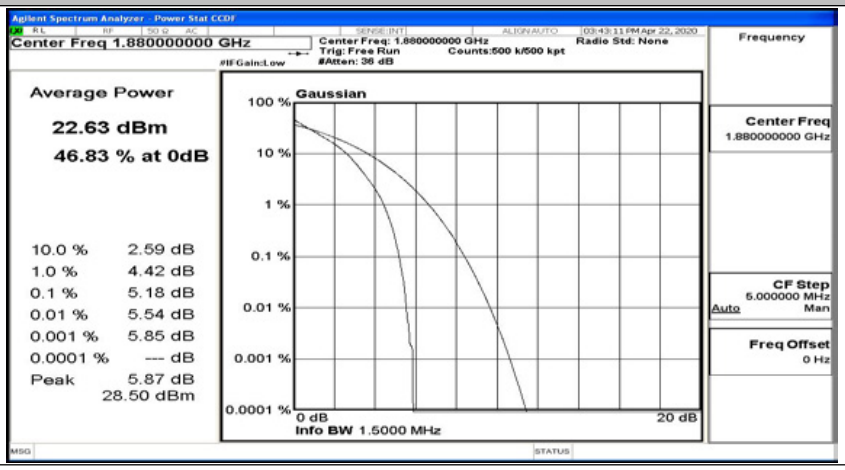
Peak-to Average Ratio Test Result (Channel Bandwidth: 15 MHz)				
Modulation	Channel	Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
QPSK	LCH	4.94	<13	PASS
	MCH	4.86	<13	PASS
	HCH	5.06	<13	PASS
16QAM	LCH	6.13	<13	PASS
	MCH	6.14	<13	PASS
	HCH	6.3	<13	PASS

Peak-to Average Ratio Test Result (Channel Bandwidth: 20 MHz)				
Modulation	Channel	Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
QPSK	LCH	5.71	<13	PASS
	MCH	5.64	<13	PASS
	HCH	5.84	<13	PASS
16QAM	LCH	6.75	<13	PASS
	MCH	6.73	<13	PASS
	HCH	6.71	<13	PASS

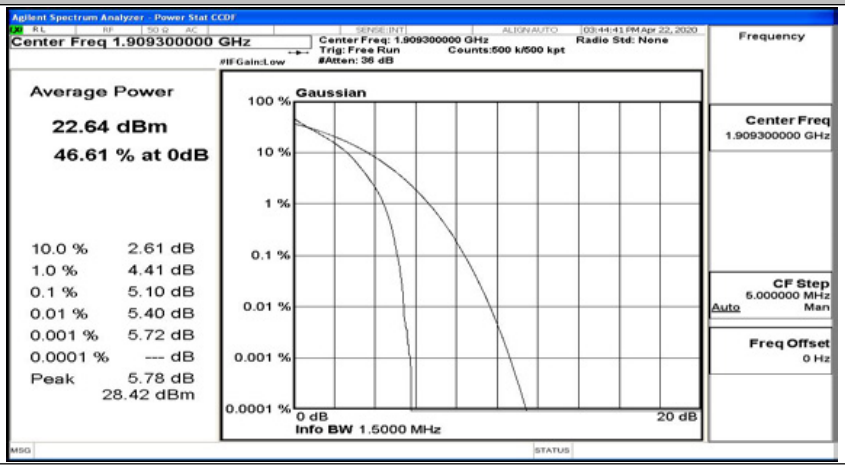
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 1.4 MHz)_LCH_QPSK



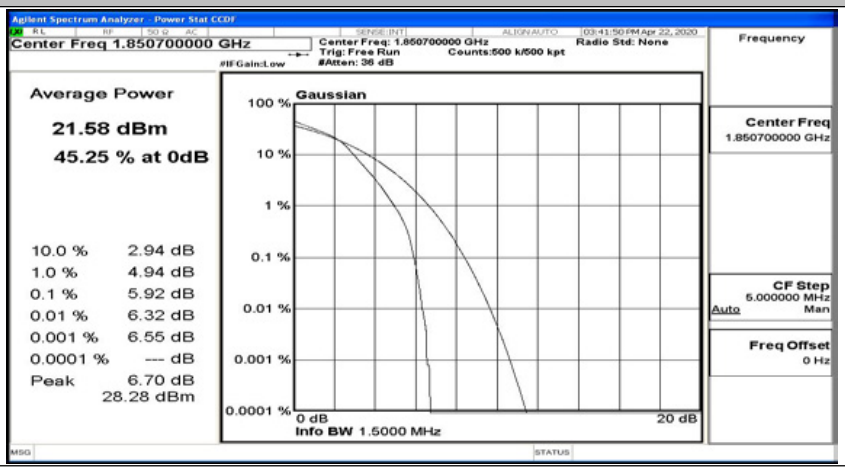
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 1.4 MHz)_MCH_QPSK



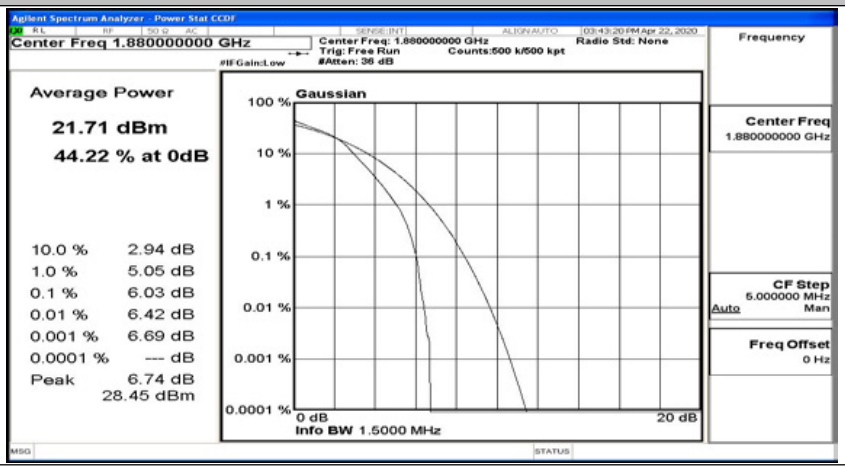
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 1.4 MHz)_HCH_QPSK



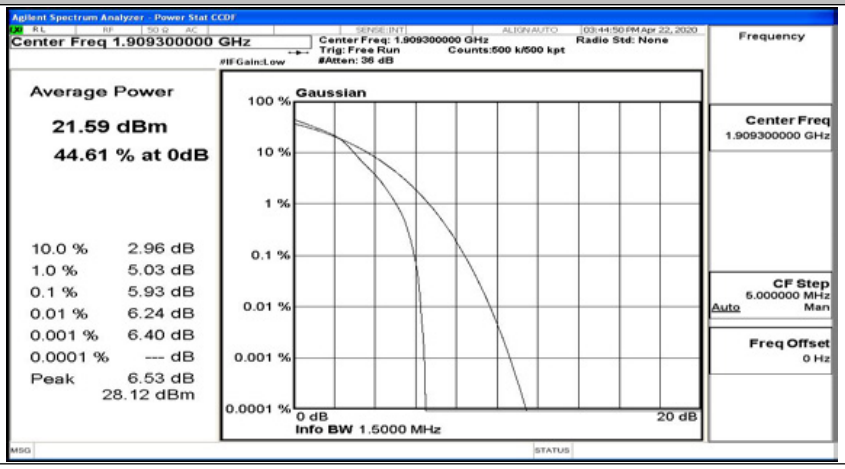
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 1.4 MHz)_LCH_16QAM



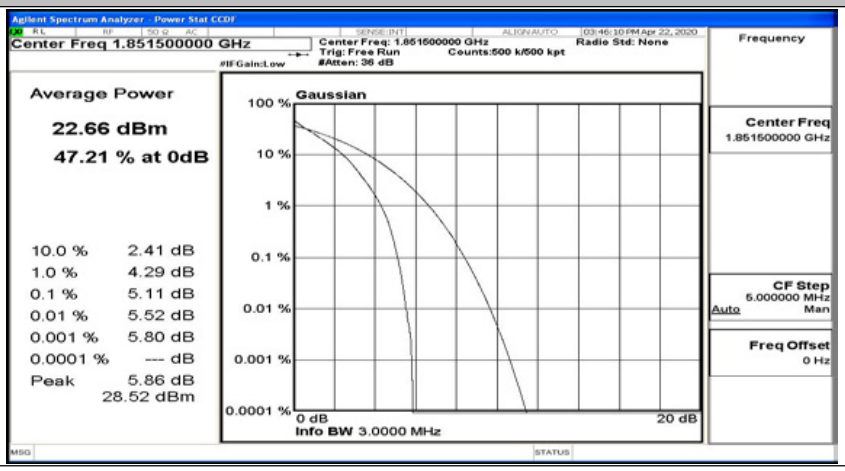
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 1.4 MHz)_MCH_16QAM



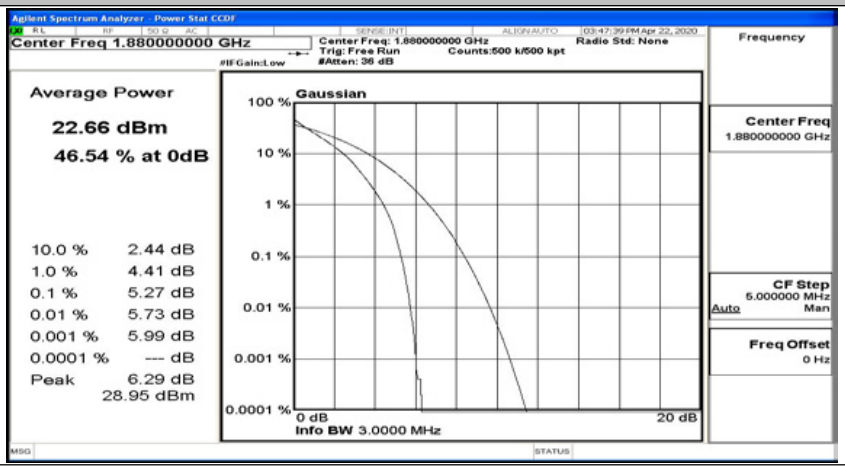
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 1.4 MHz)_HCH_16QAM



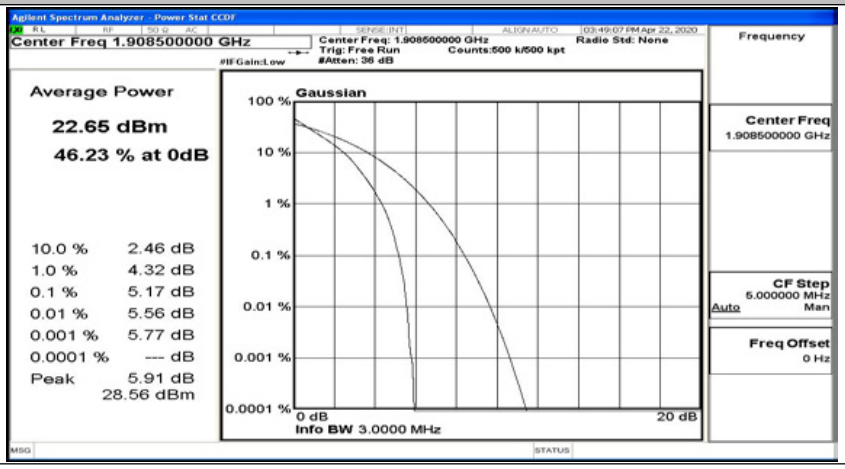
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 3 MHz)_LCH_QPSK



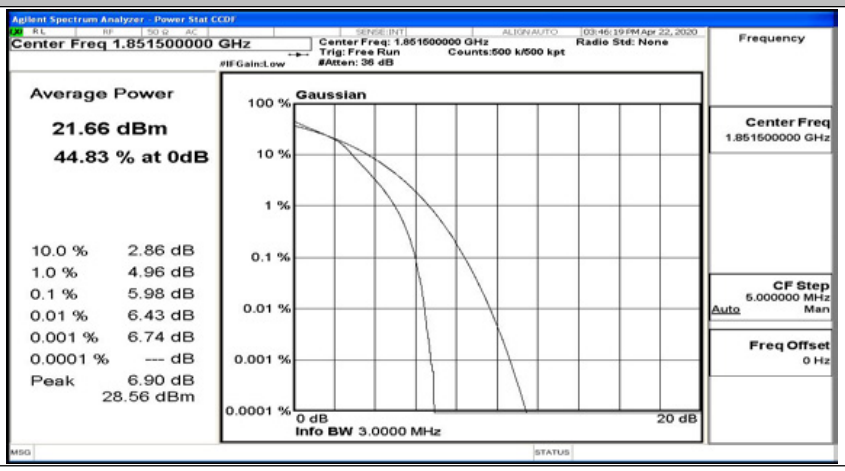
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 3 MHz)_MCH_QPSK



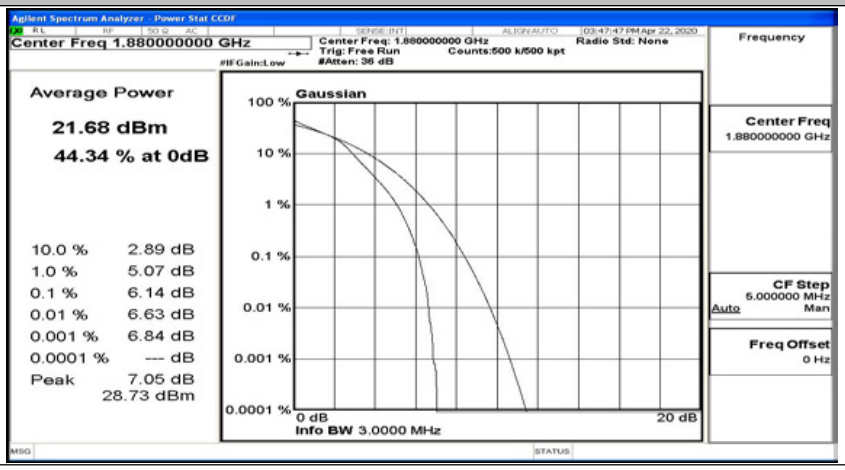
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 3 MHz)_HCH_QPSK



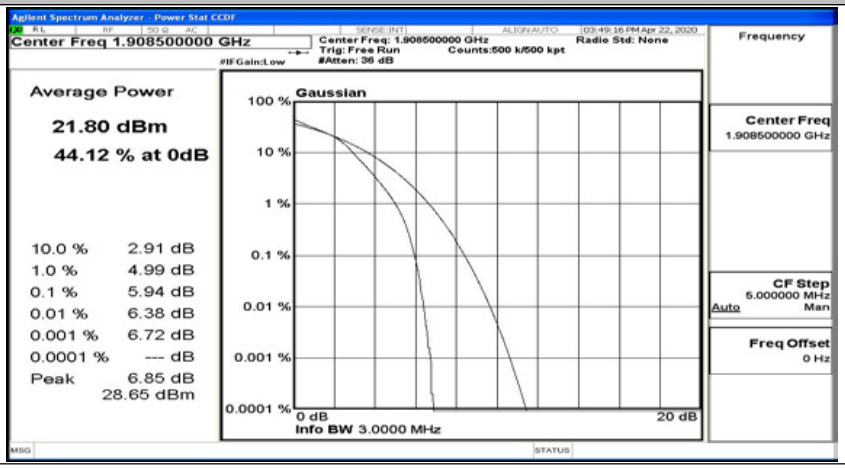
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 3 MHz)_LCH_16QAM



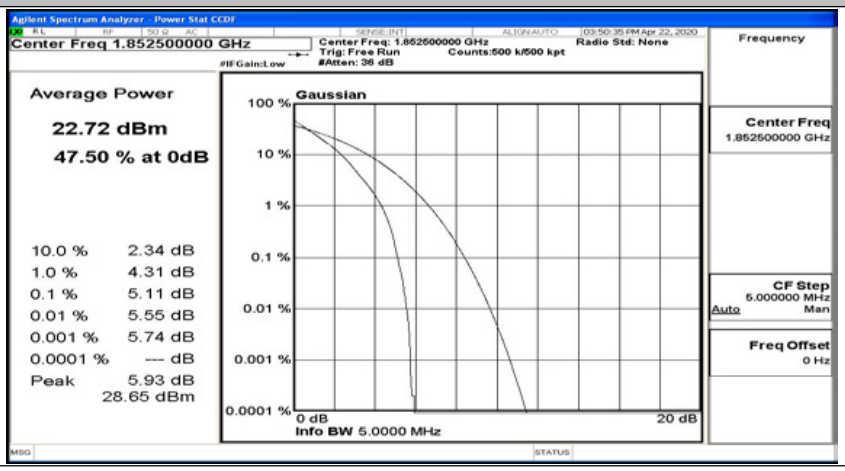
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 3 MHz)_MCH_16QAM



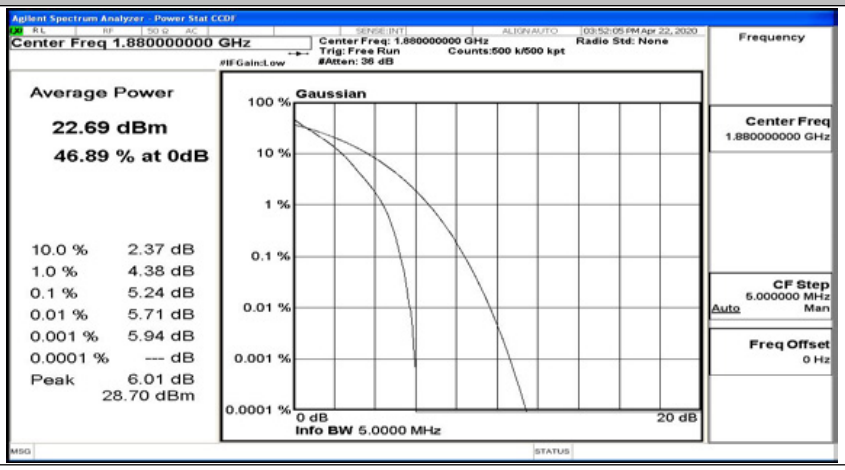
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 3 MHz)_HCH_16QAM



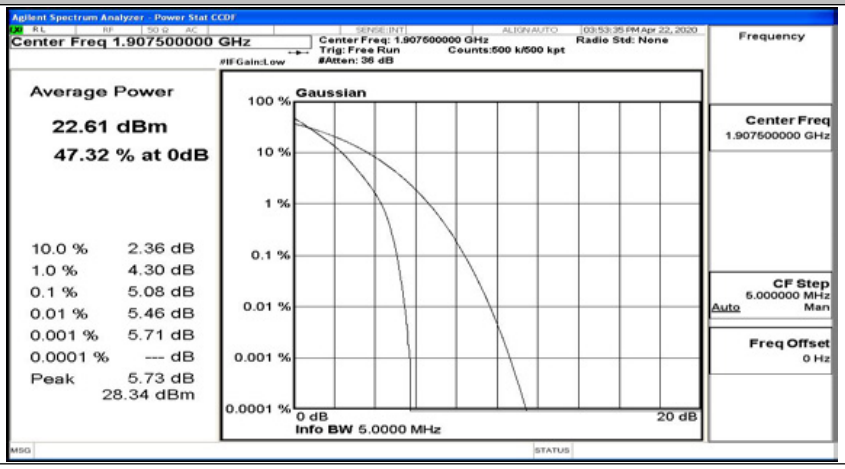
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_QPSK



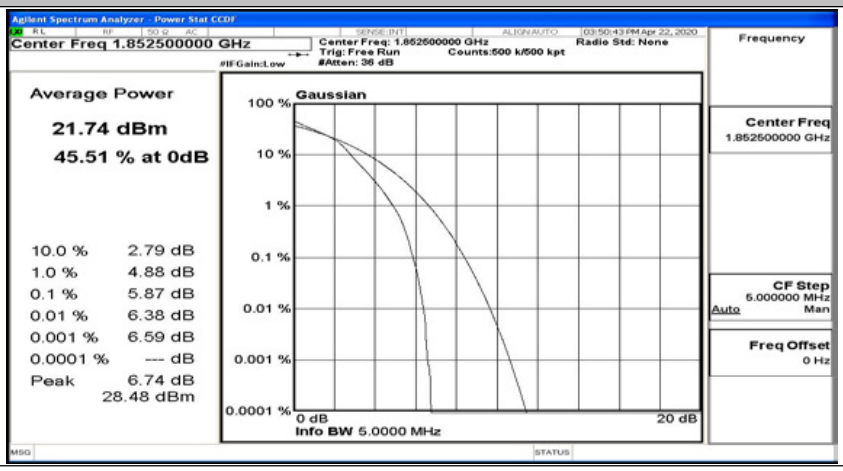
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)_MCH_QPSK



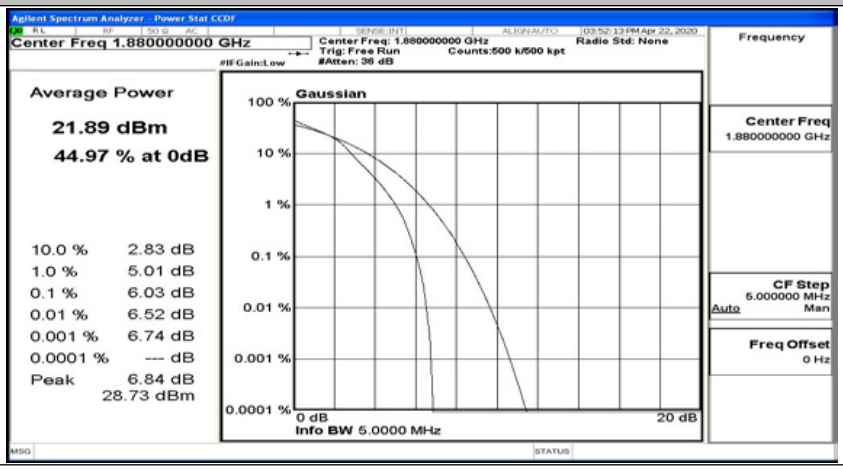
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_QPSK



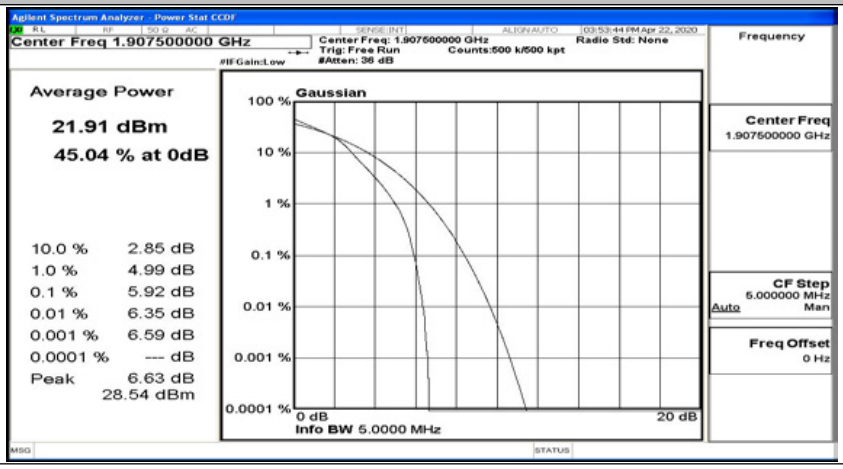
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_16QAM



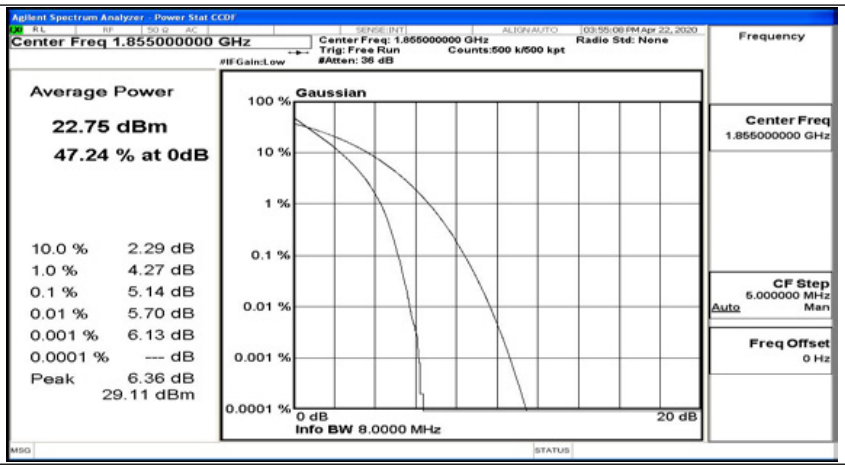
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)_MCH_16QAM



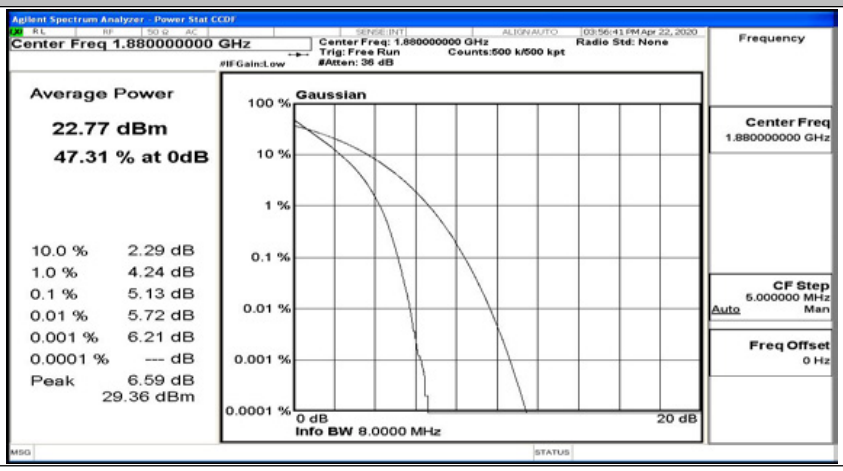
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_16QAM



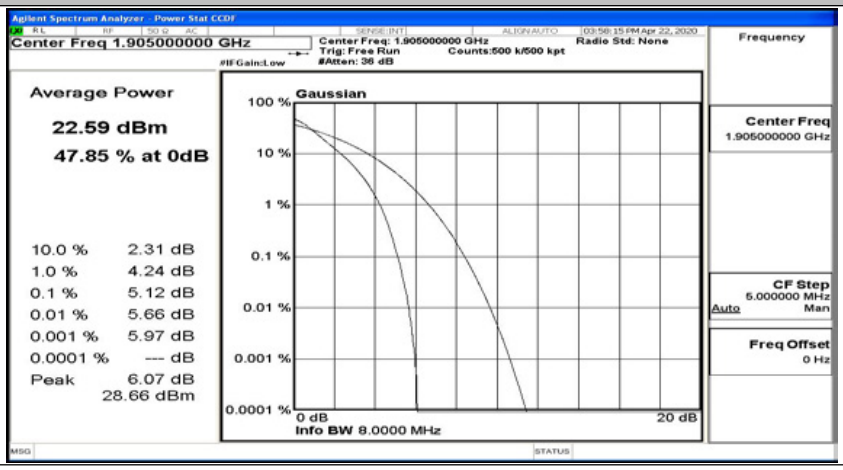
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)_LCH_QPSK


Agilent Spectrum Analyzer - Power Stat CCDF
Center Freq 1.855000000 GHz
Center Freq: 1.855000000 GHz
Trig: Free Run
#Atten: 36 dB
Counts:500 k/500 kpt
Radio Std: None
Frequency
Average Power
22.75 dBm
47.24 % at 0dB
10.0 % 2.29 dB
1.0 % 4.27 dB
0.1 % 5.14 dB
0.01 % 5.70 dB
0.001 % 6.13 dB
0.0001 % --- dB
Peak 6.36 dB
29.11 dBm
Gaussian
100 %
10 %
1 %
0.1 %
0.01 %
0.001 %
0.0001 %
0 dB
20 dB
Info BW 8.0000 MHz
Center Freq
1.855000000 GHz
CF Step
5.000000 MHz
Auto Man
Freq Offset
0 Hz
MSG
STATUS

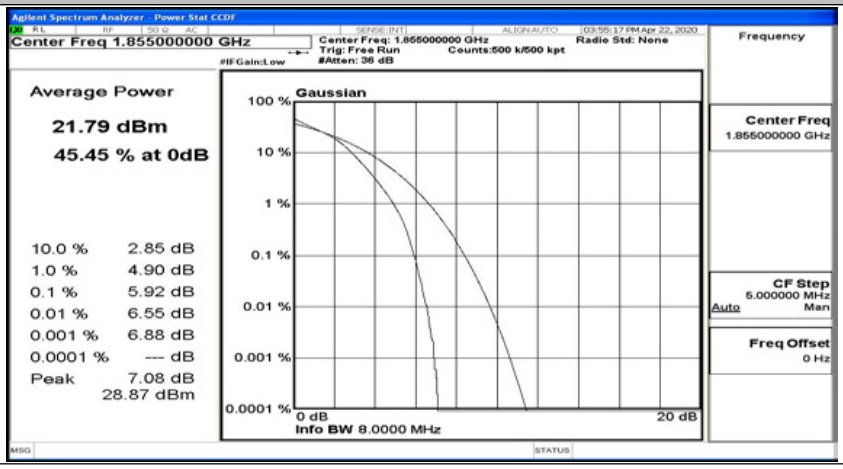
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)_MCH_QPSK



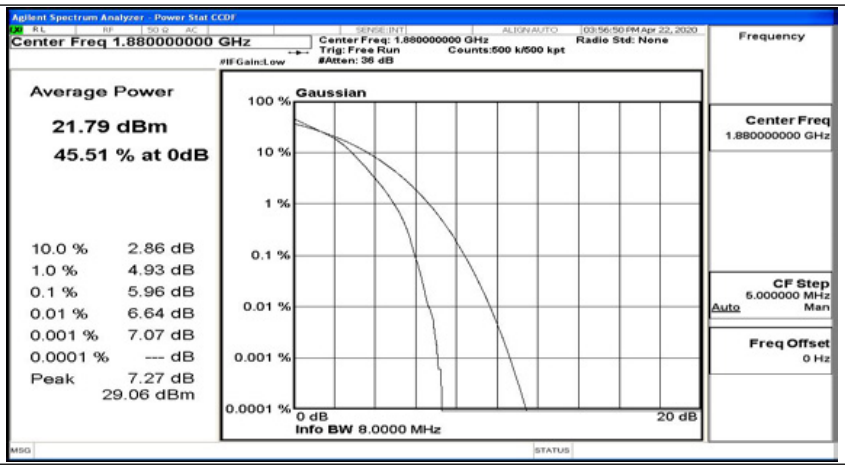
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)_HCH_QPSK



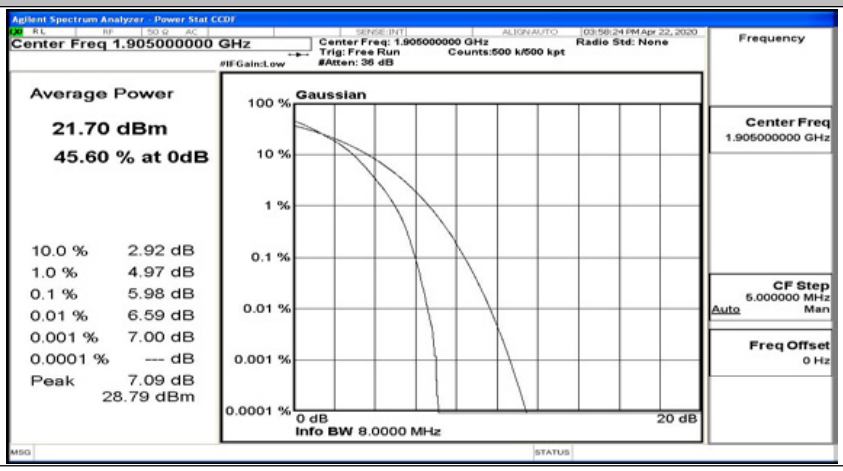
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)_LCH_16QAM



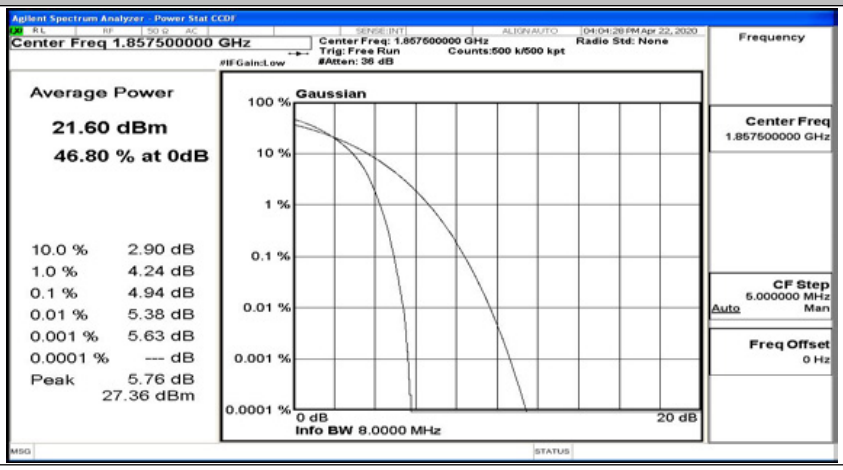
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)_MCH_16QAM


Agilent Spectrum Analyzer - Power Stat CCDF
Center Freq 1.880000000 GHz
Center Freq: 1.880000000 GHz
Trig: Free Run
#Atten: 36 dB
Counts:500 k/500 kpt
Radio Std: None
Frequency
Average Power
21.79 dBm
45.51 % at 0dB
10.0 % 2.86 dB
1.0 % 4.93 dB
0.1 % 5.96 dB
0.01 % 6.64 dB
0.001 % 7.07 dB
0.0001 % --- dB
Peak 7.27 dB
29.06 dBm
Gaussian
100 %
10 %
1 %
0.1 %
0.01 %
0.001 %
0.0001 %
0 dB
20 dB
Info BW 8.0000 MHz
Center Freq
1.880000000 GHz
CF Step
5.000000 MHz
Auto
Man
Freq Offset
0 Hz
MSG
STATUS

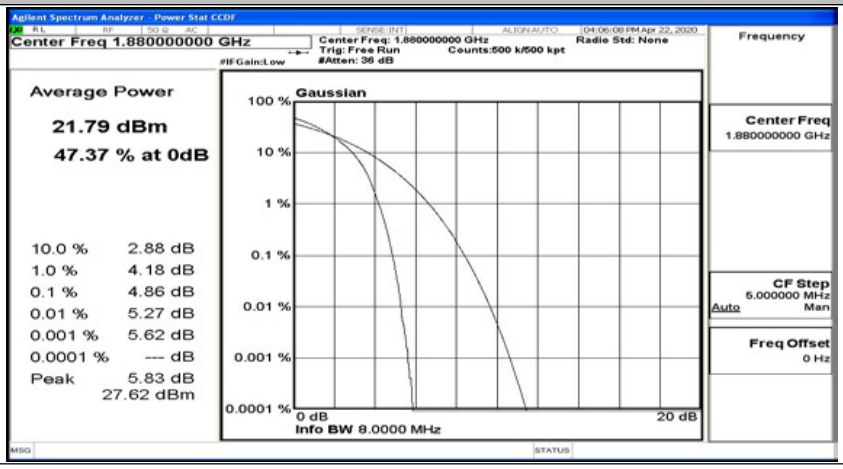
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)_HCH_16QAM



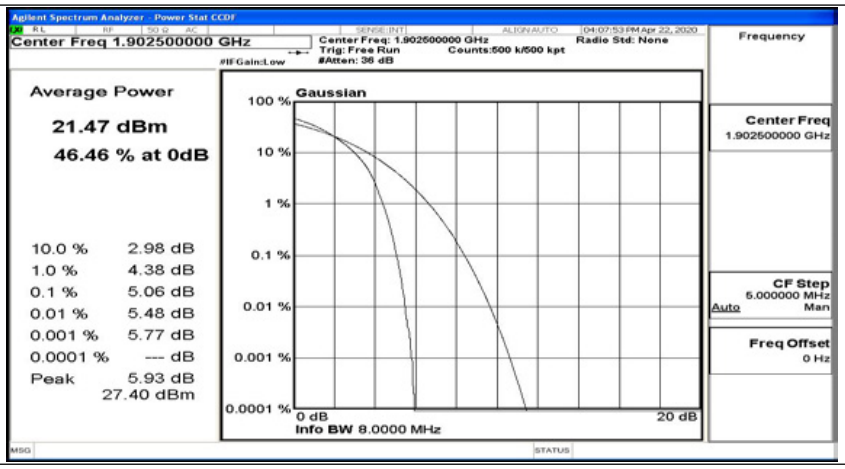
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:15 MHz)_LCH_QPSK



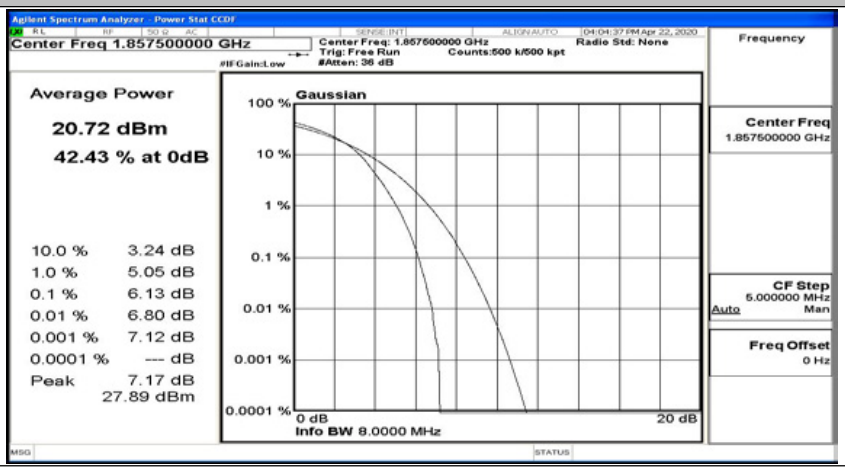
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:15 MHz)_MCH_QPSK



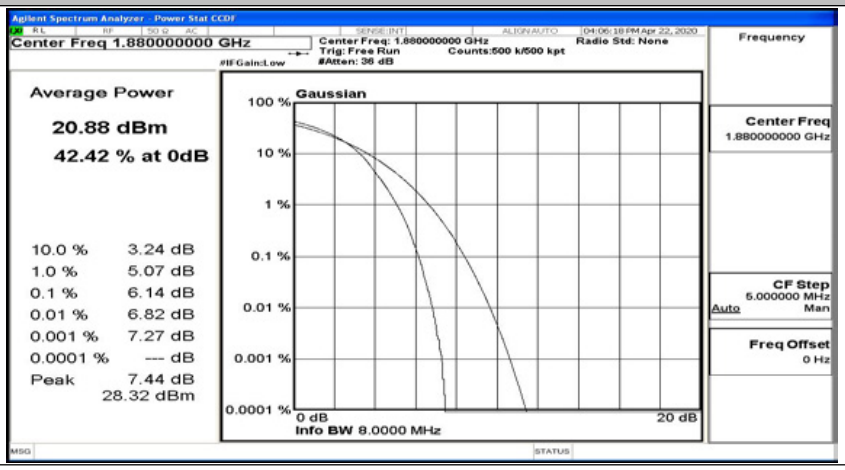
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:15 MHz)_HCH_QPSK


Agilent Spectrum Analyzer - Power Stat CCDF
Center Freq 1.902500000 GHz
Center Freq: 1.902500000 GHz
Trig: Free Run
#Atten: 36 dB
Counts:500 k/500 kpt
Radio Std: None
Frequency
Average Power
21.47 dBm
46.46 % at 0dB
10.0 % 2.98 dB
1.0 % 4.38 dB
0.1 % 5.06 dB
0.01 % 5.48 dB
0.001 % 5.77 dB
0.0001 % --- dB
Peak 5.93 dB
27.40 dBm
Gaussian
100 %
10 %
1 %
0.1 %
0.01 %
0.001 %
0.0001 %
0 dB
20 dB
Info BW 8.0000 MHz
Center Freq
1.902500000 GHz
CF Step
5.000000 MHz
Auto Man
Freq Offset
0 Hz
MSG
STATUS

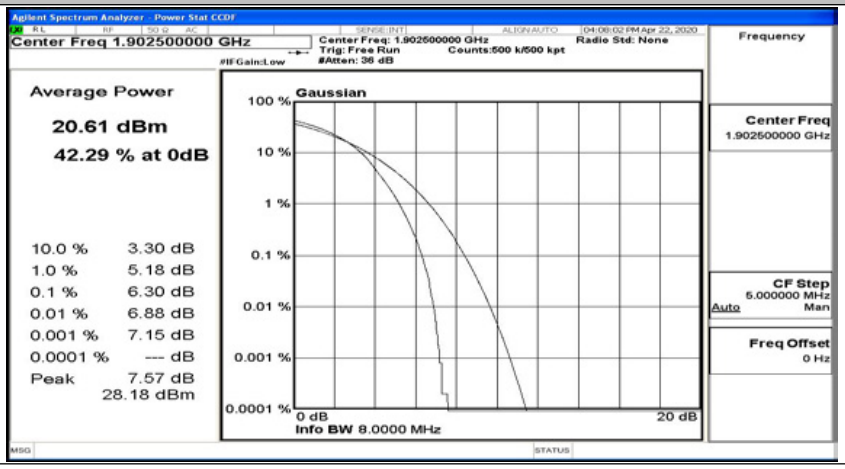
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:15 MHz)_LCH_16QAM



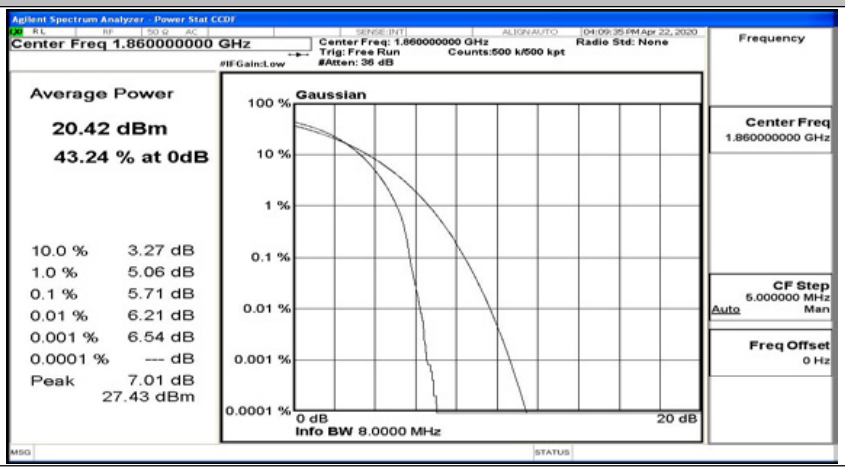
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:15 MHz)_MCH_16QAM



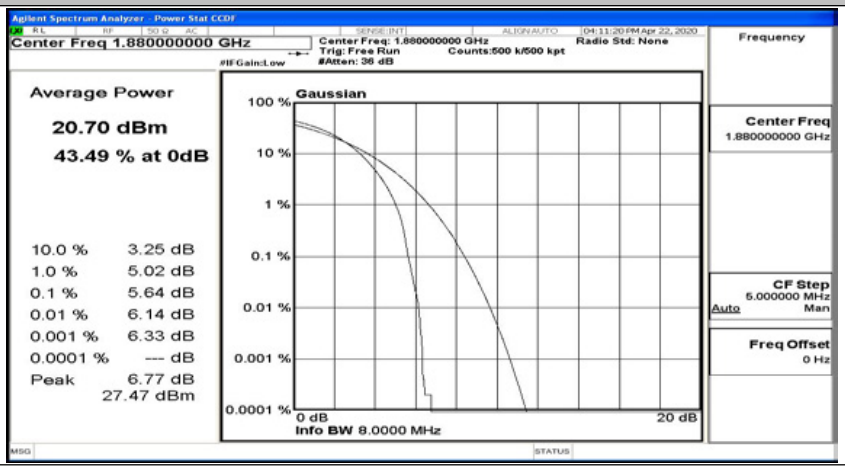
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:15 MHz)_HCH_16QAM



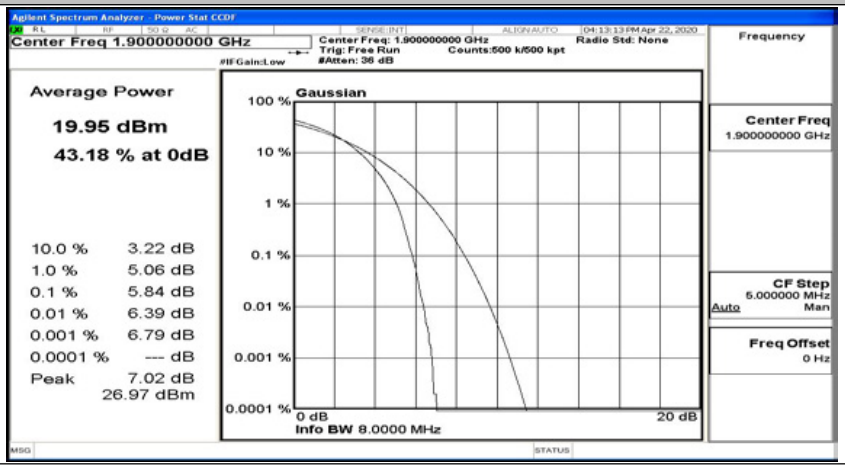
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:20 MHz)_LCH_QPSK



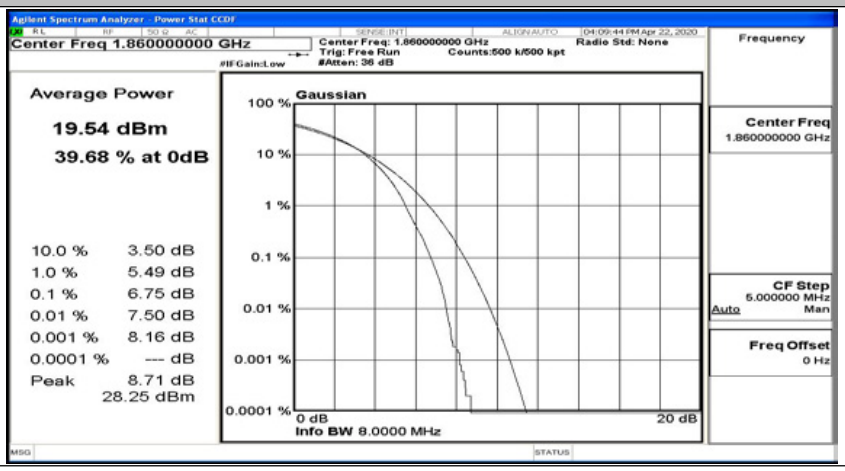
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:20 MHz)_MCH_QPSK



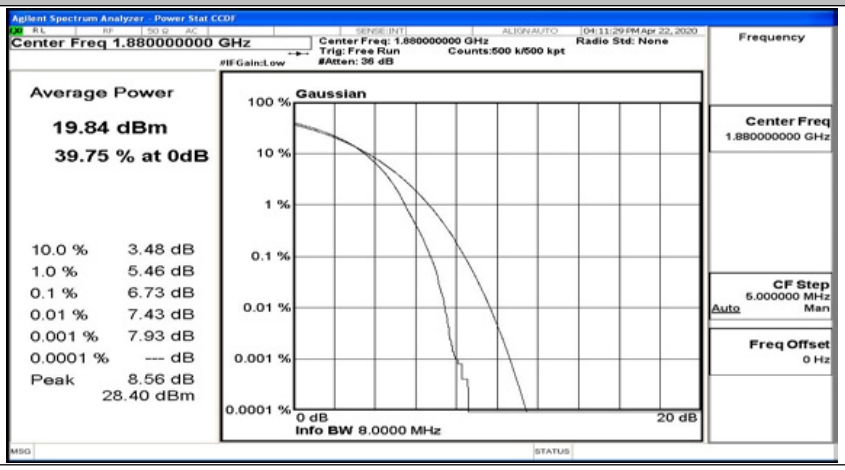
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:20 MHz)_HCH_QPSK



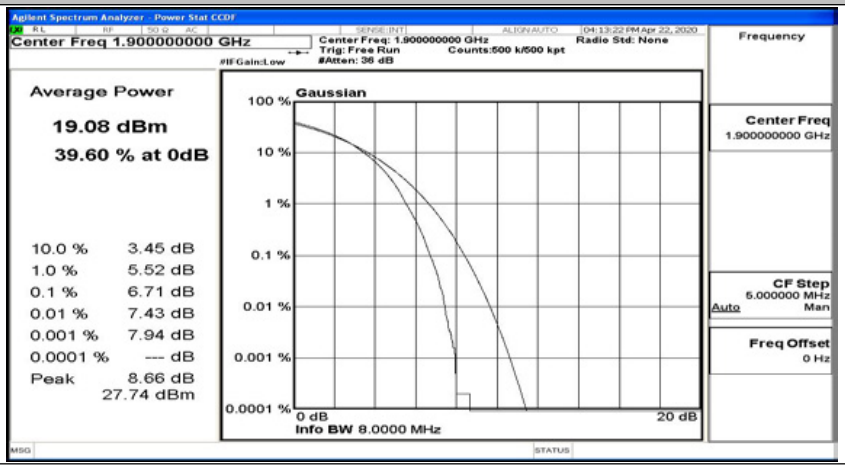
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:20 MHz)_LCH_16QAM



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



B.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	1.0761	1.240	PASS
	MCH	1.0755	1.235	PASS
	HCH	1.0783	1.243	PASS
16QAM	LCH	1.0792	1.244	PASS
	MCH	1.0794	1.232	PASS
	HCH	1.0749	1.240	PASS

EBW & OBW Test Result (Channel Bandwidth: 3 MHz)				
Modulation	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
QPSK	LCH	2.6821	2.902	PASS
	MCH	2.6868	2.903	PASS
	HCH	2.6816	2.906	PASS
16QAM	LCH	2.6794	2.899	PASS
	MCH	2.6779	2.890	PASS
	HCH	2.6865	2.886	PASS

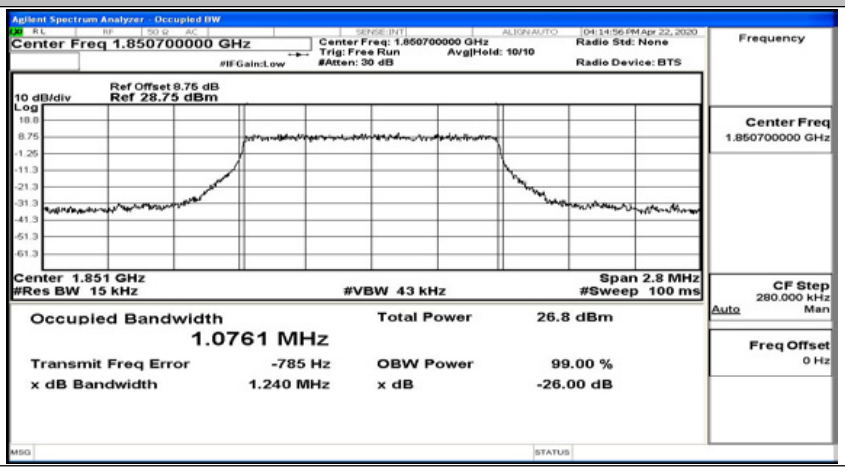
EBW & OBW Test Result (Channel Bandwidth: 5 MHz)				
Modulation	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
QPSK	LCH	4.4711	4.814	PASS
	MCH	4.4701	4.785	PASS
	HCH	4.4661	4.787	PASS
16QAM	LCH	4.4741	4.806	PASS
	MCH	4.4787	4.822	PASS
	HCH	4.4666	4.779	PASS

EBW & OBW Test Result (Channel Bandwidth: 10 MHz)				
Modulation	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
QPSK	LCH	8.9142	9.465	PASS
	MCH	8.9069	9.438	PASS
	HCH	8.9032	9.372	PASS
16QAM	LCH	8.9139	9.406	PASS
	MCH	8.9126	9.400	PASS
	HCH	8.9031	9.316	PASS

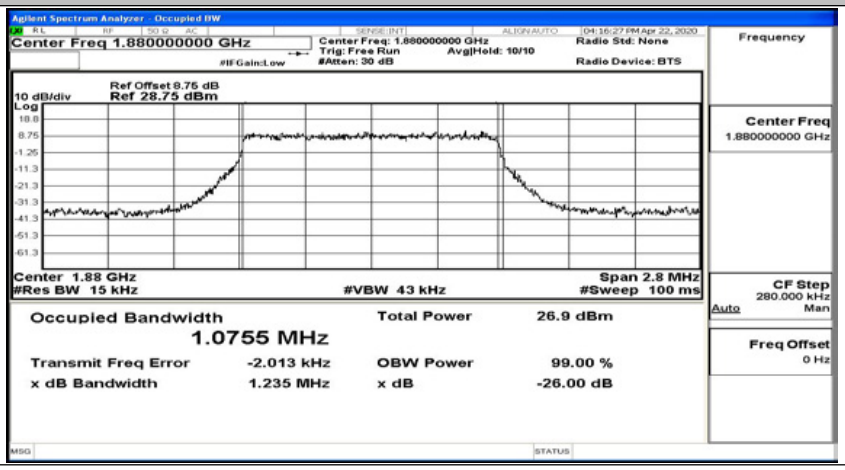
EBW & OBW Test Result (Channel Bandwidth: 15 MHz)				
Modulation	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
QPSK	LCH	13.379	14.01	PASS
	MCH	13.345	13.99	PASS
	HCH	13.357	14.04	PASS
16QAM	LCH	13.378	13.97	PASS
	MCH	13.357	13.97	PASS
	HCH	13.357	13.98	PASS

EBW & OBW Test Result (Channel Bandwidth: 20 MHz)				
Modulation	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
QPSK	LCH	17.833	18.63	PASS
	MCH	17.784	18.56	PASS
	HCH	**17.861**	18.68	PASS
16QAM	LCH	17.827	18.58	PASS
	MCH	17.801	18.55	PASS
	HCH	**17.876**	18.63	PASS

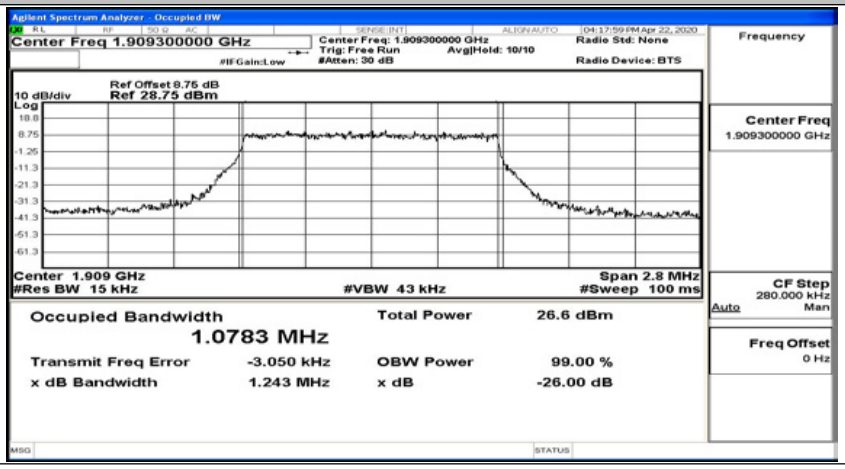
EBW & OBW Test Graph(s) (Channel Bandwidth: 1.4 MHz)_LCH_QPSK



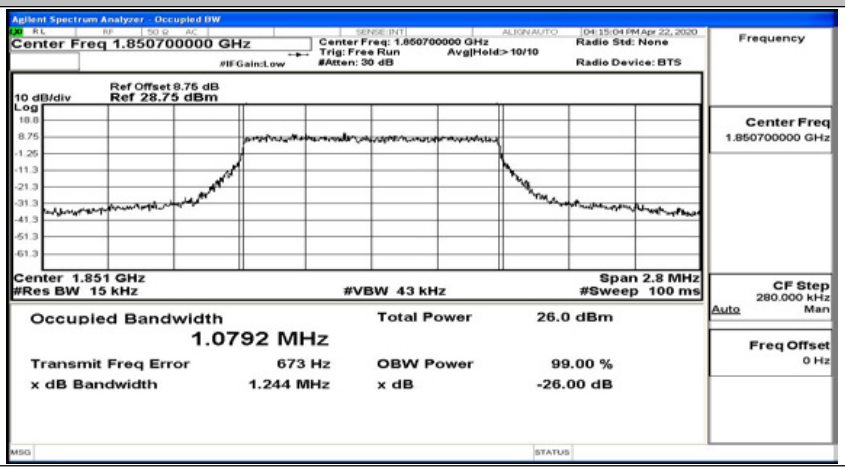
EBW & OBW Test Graph(s) (Channel Bandwidth: 1.4 MHz)_MCH_QPSK



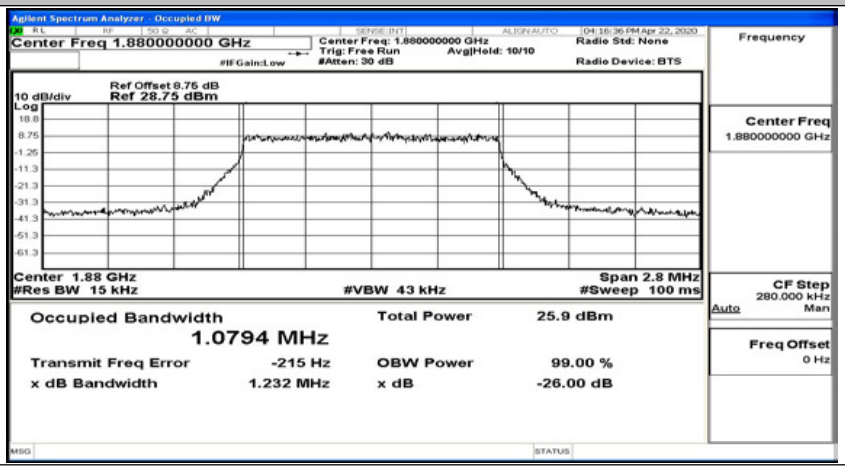
EBW & OBW Test Graph(s) (Channel Bandwidth: 1.4 MHz)_HCH_QPSK



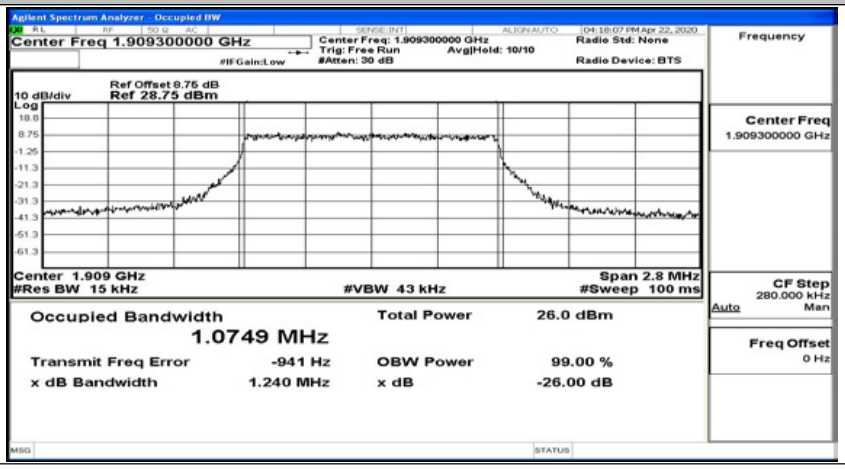
EBW & OBW Test Graph(s) (Channel Bandwidth: 1.4 MHz)_LCH_16QAM



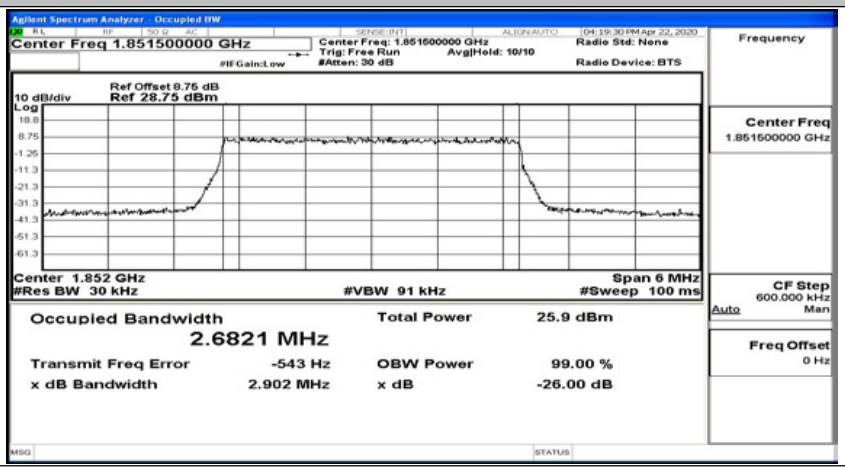
EBW & OBW Test Graph(s) (Channel Bandwidth: 1.4 MHz)_MCH_16QAM



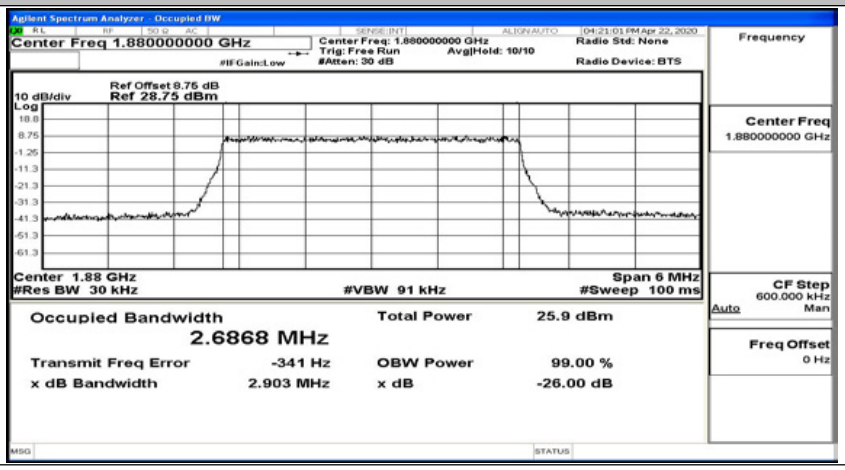
EBW & OBW Test Graph(s) (Channel Bandwidth: 1.4 MHz)_HCH_16QAM



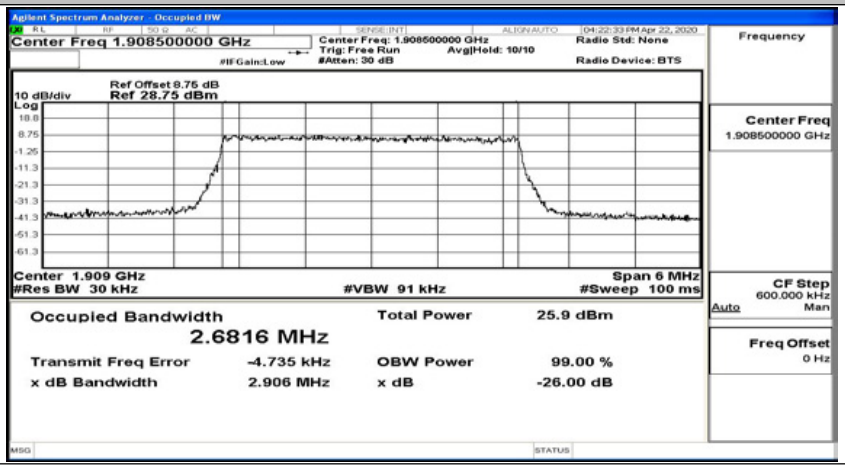
EBW & OBW Test Graph(s) (Channel Bandwidth: 3 MHz)_LCH_QPSK



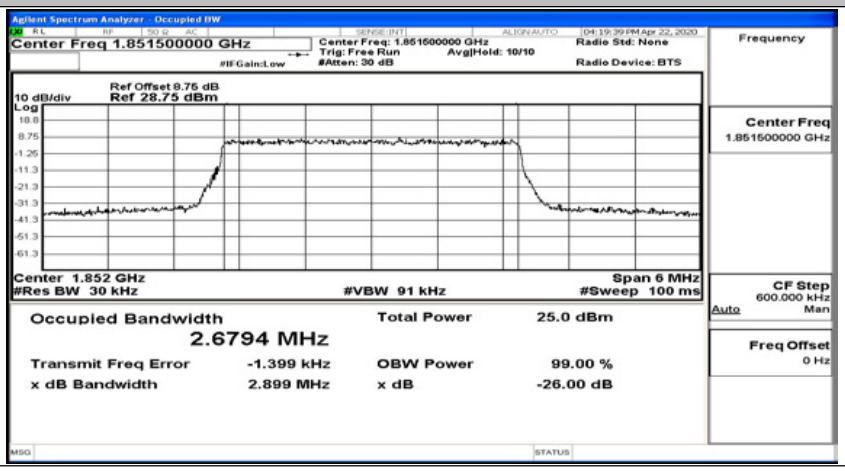
EBW & OBW Test Graph(s) (Channel Bandwidth: 3 MHz)_MCH_QPSK



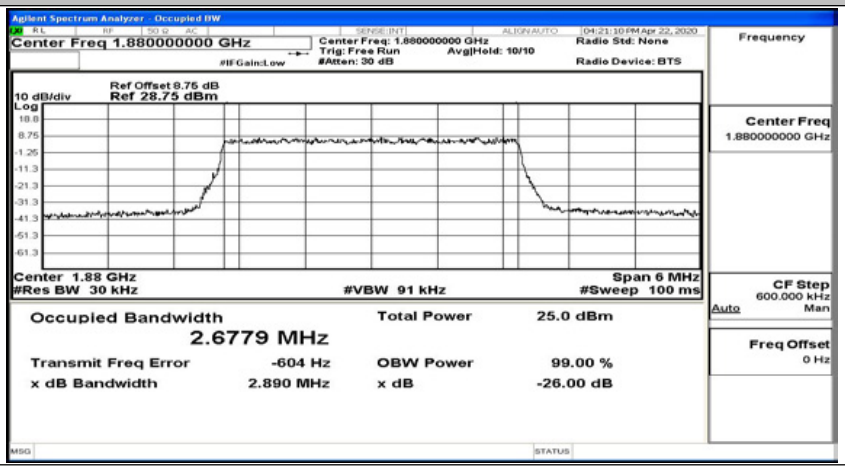
EBW & OBW Test Graph(s) (Channel Bandwidth: 3 MHz)_HCH_QPSK



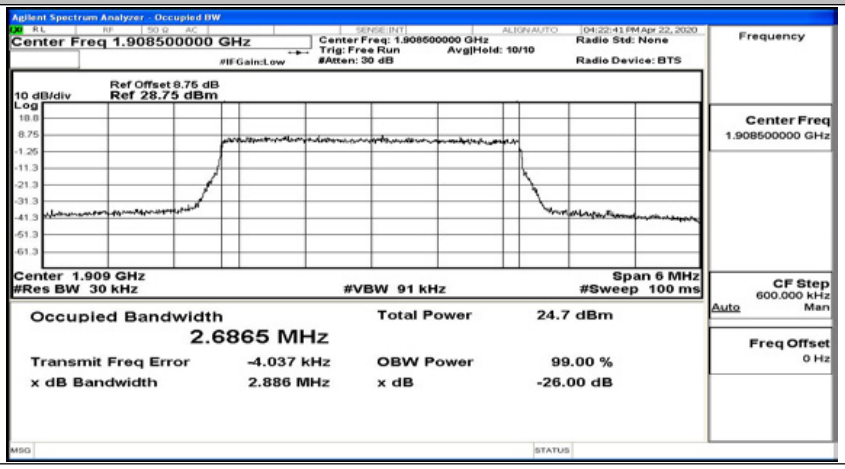
EBW & OBW Test Graph(s) (Channel Bandwidth: 3 MHz)_LCH_16QAM



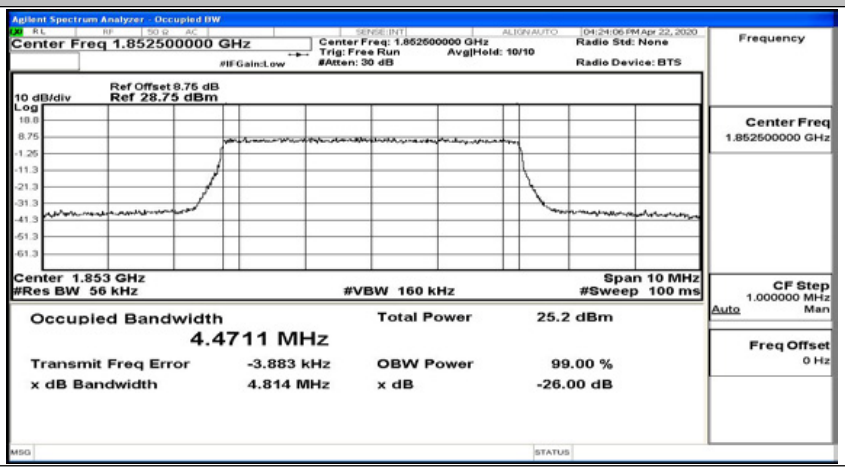
EBW & OBW Test Graph(s) (Channel Bandwidth: 3 MHz)_MCH_16QAM



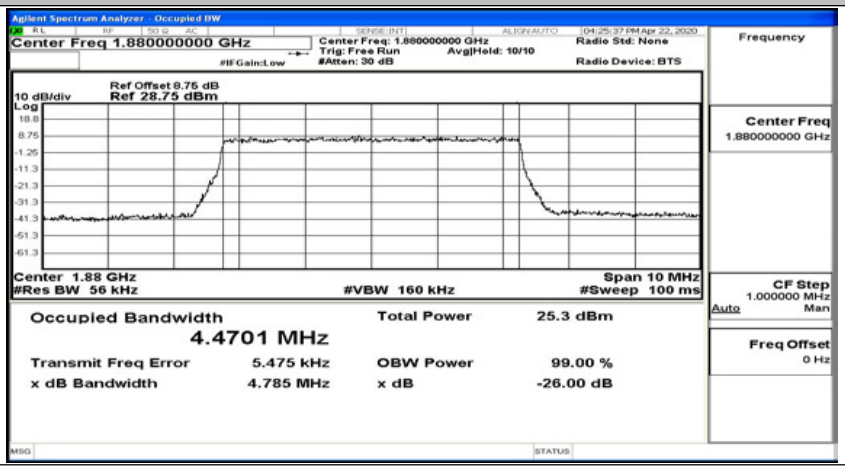
EBW & OBW Test Graph(s) (Channel Bandwidth: 3 MHz)_HCH_16QAM



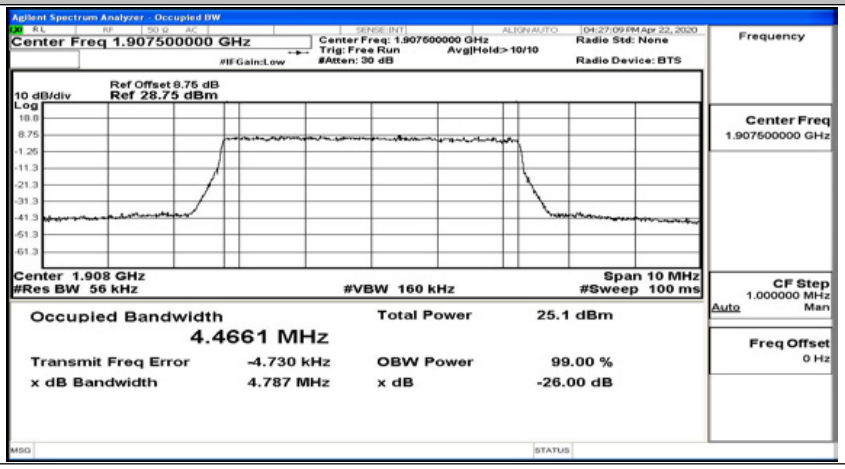
EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_QPSK



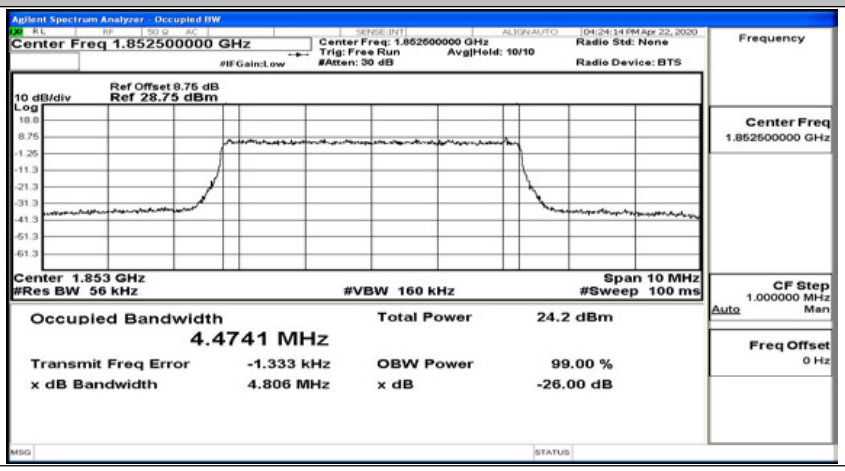
EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz)_MCH_QPSK



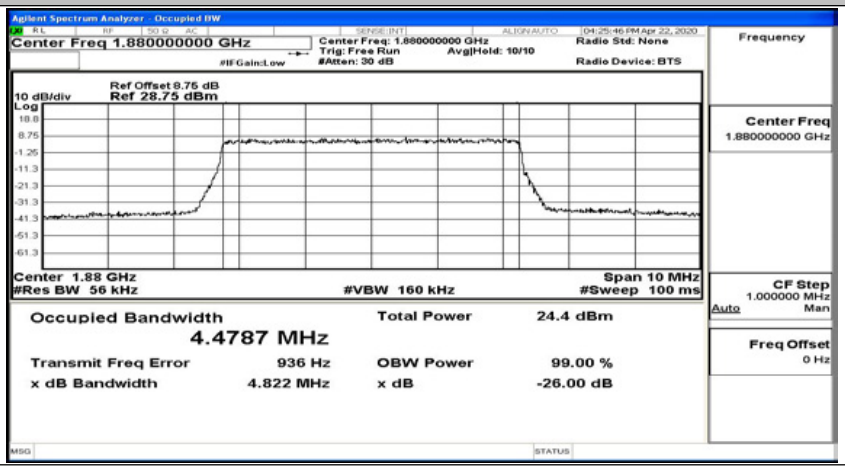
EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_QPSK



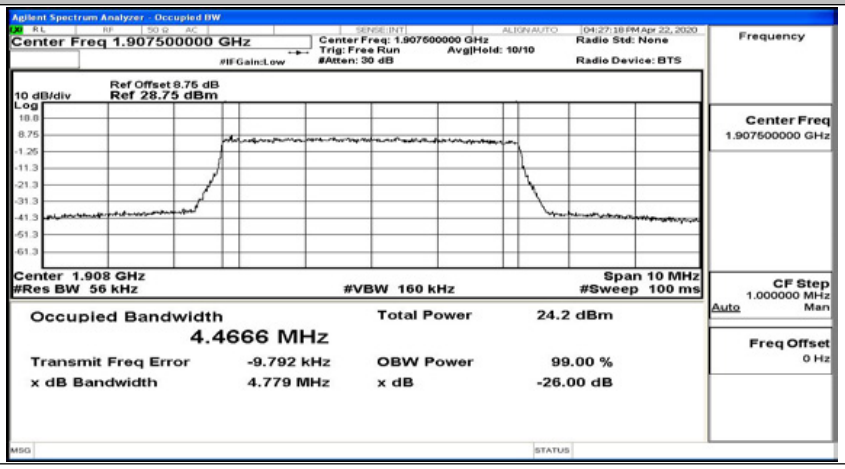
EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_16QAM



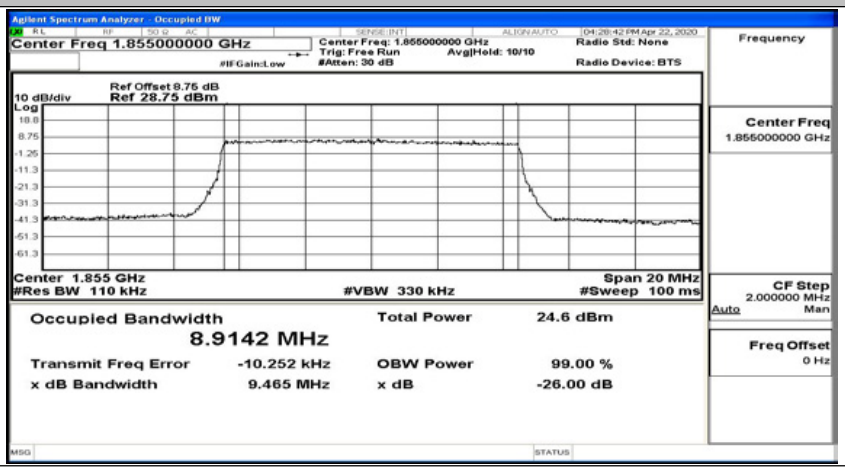
EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz)_MCH_16QAM



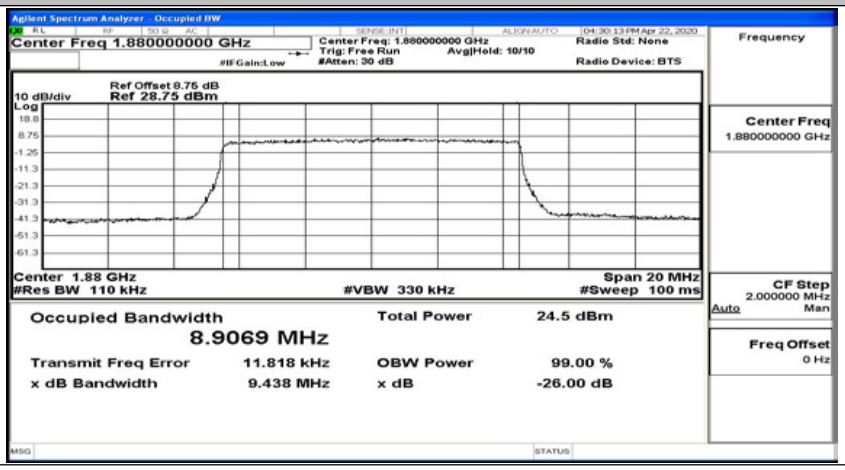
EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_16QAM



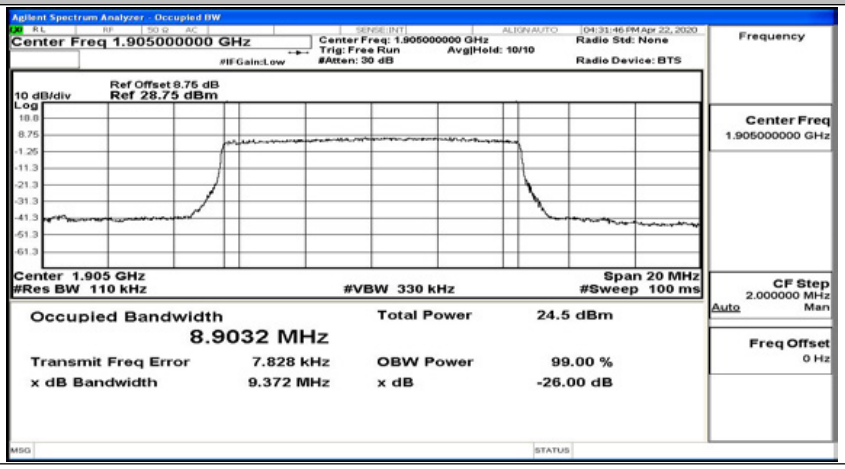
EBW & OBW Test Graph(s) (Channel Bandwidth: 10 MHz)_LCH_QPSK



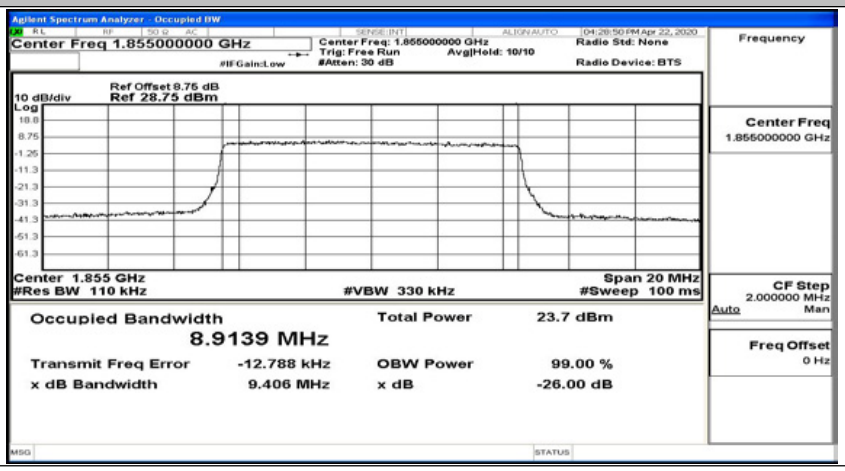
EBW & OBW Test Graph(s) (Channel Bandwidth: 10 MHz)_MCH_QPSK



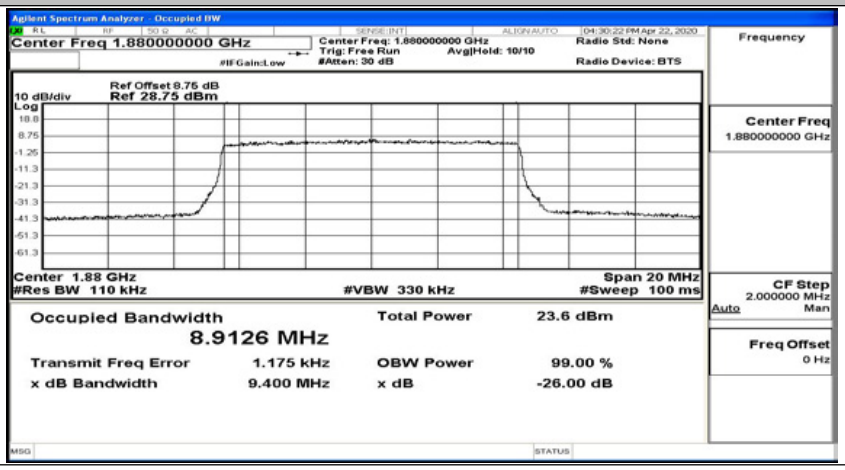
EBW & OBW Test Graph(s) (Channel Bandwidth: 10 MHz)_HCH_QPSK



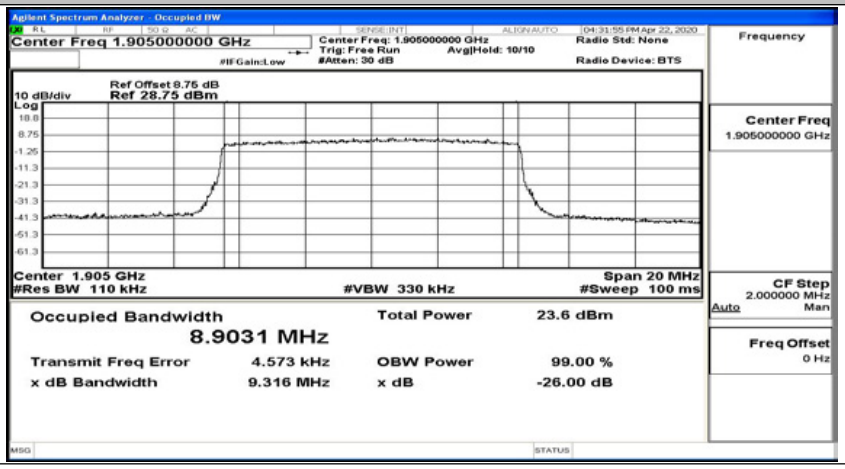
EBW & OBW Test Graph(s) (Channel Bandwidth: 10 MHz)_LCH_16QAM



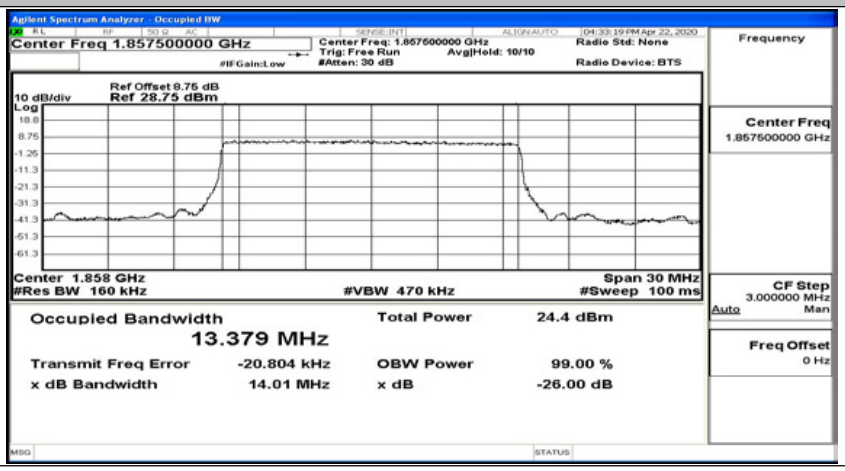
EBW & OBW Test Graph(s) (Channel Bandwidth: 10 MHz)_MCH_16QAM



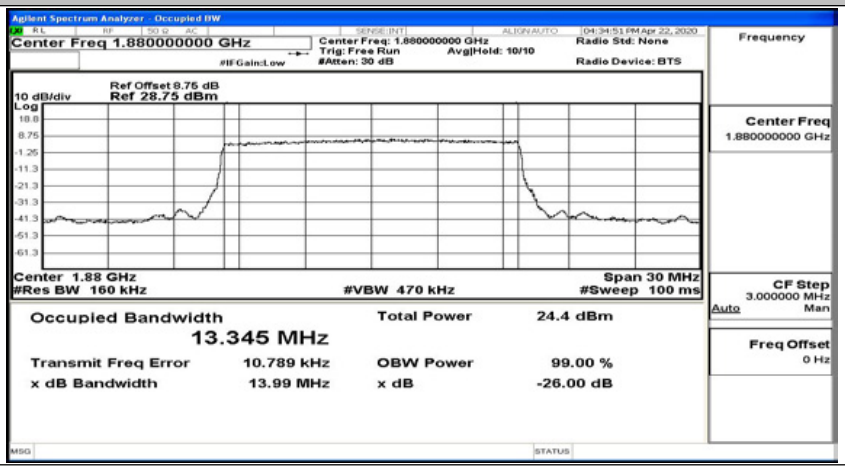
EBW & OBW Test Graph(s) (Channel Bandwidth: 10 MHz)_HCH_16QAM



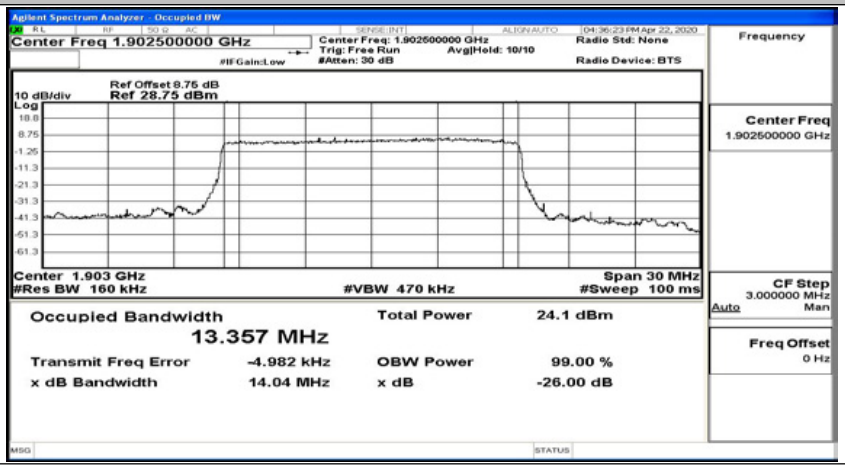
EBW & OBW Test Graph(s) (Channel Bandwidth:15 MHz)_LCH_QPSK



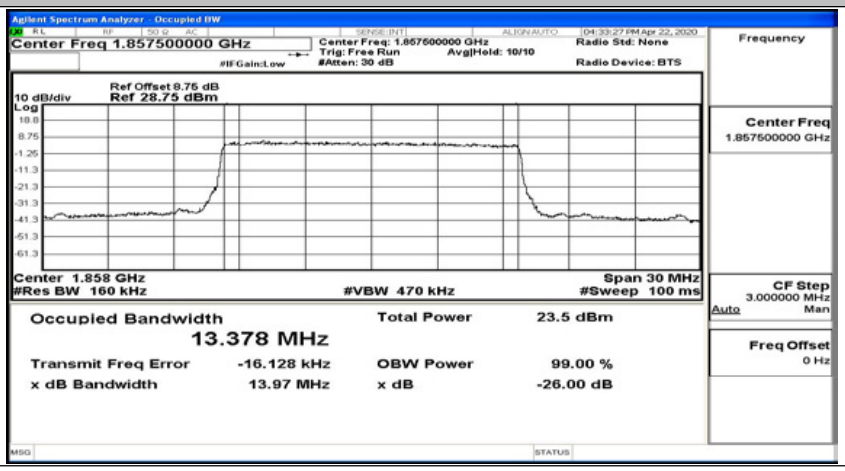
EBW & OBW Test Graph(s) (Channel Bandwidth:15 MHz)_MCH_QPSK



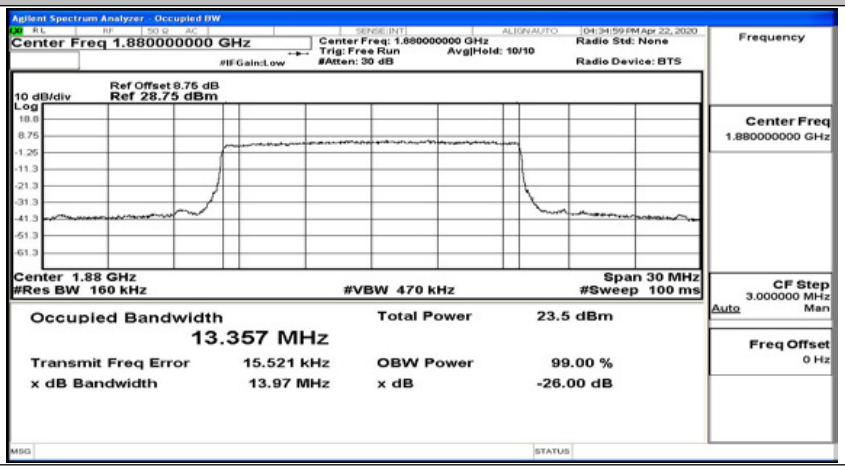
EBW & OBW Test Graph(s) (Channel Bandwidth:15 MHz)_HCH_QPSK



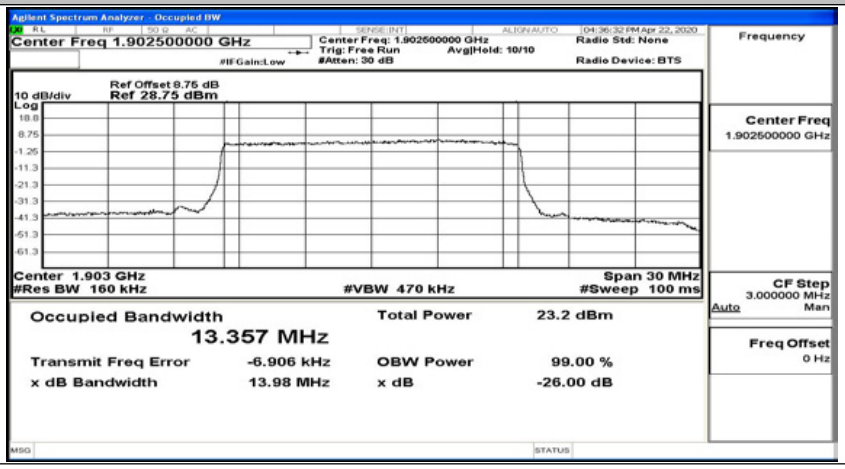
EBW & OBW Test Graph(s) (Channel Bandwidth:15 MHz)_LCH_16QAM



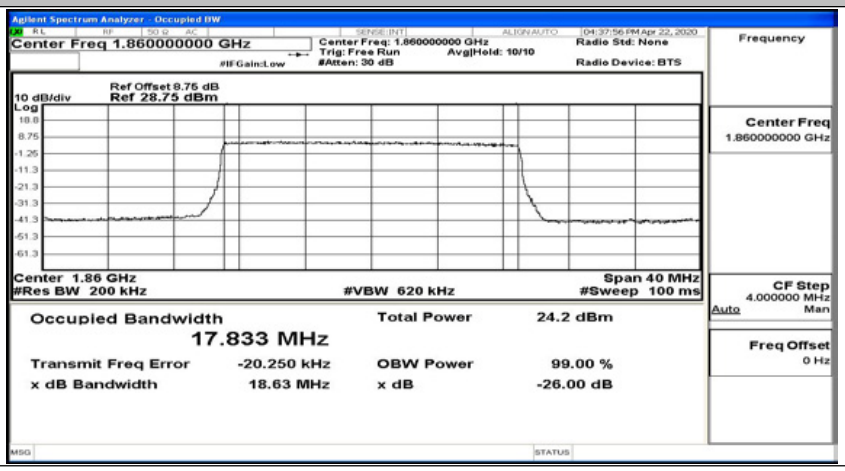
EBW & OBW Test Graph(s) (Channel Bandwidth:15 MHz)_MCH_16QAM



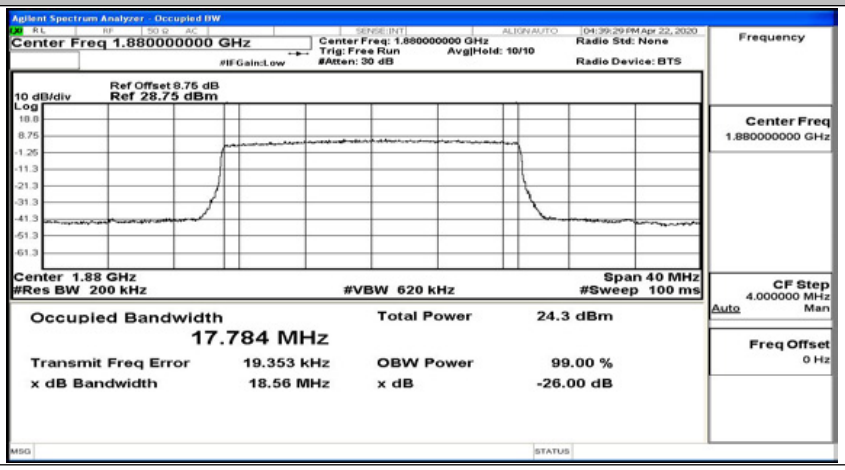
EBW & OBW Test Graph(s) (Channel Bandwidth:15 MHz)_HCH_16QAM



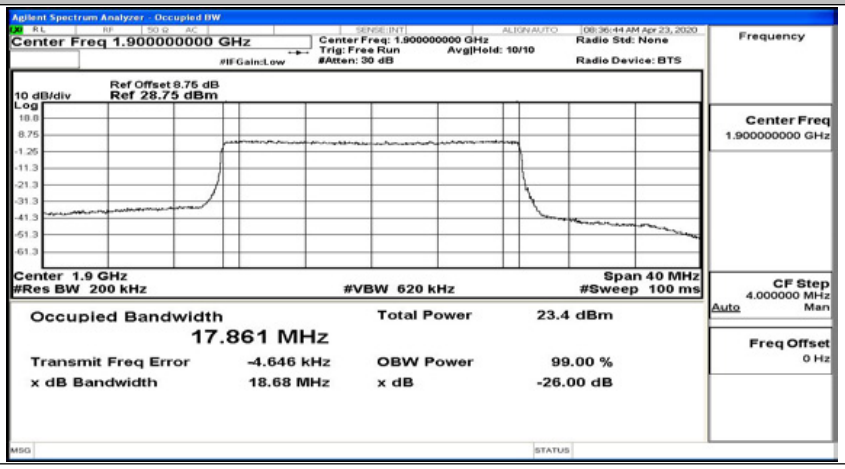
EBW & OBW Test Graph(s) (Channel Bandwidth:20 MHz)_LCH_QPSK



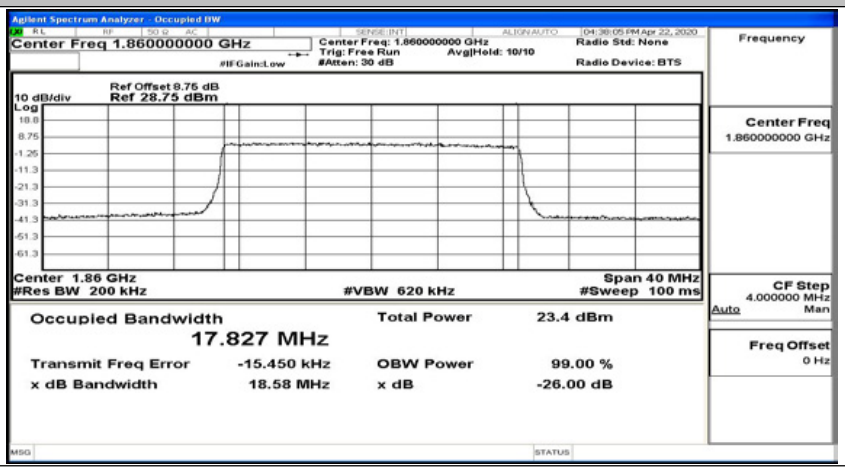
EBW & OBW Test Graph(s) (Channel Bandwidth:20 MHz)_MCH_QPSK



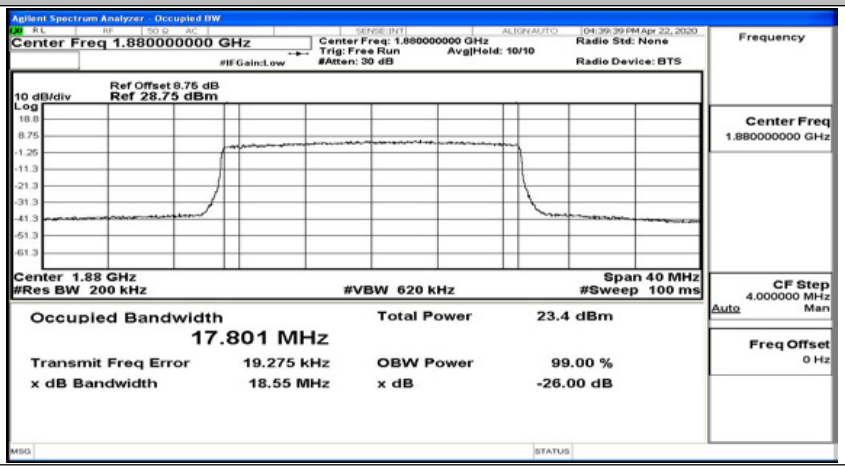
EBW & OBW Test Graph(s) (Channel Bandwidth:20 MHz)_HCH_QPSK



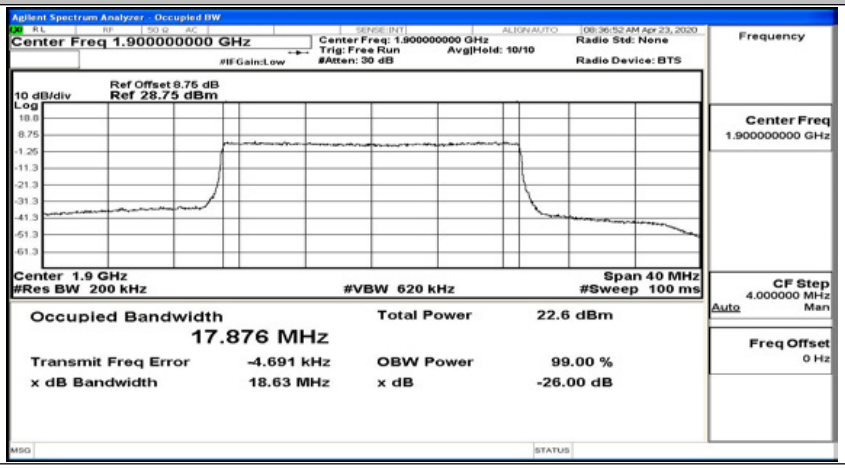
EBW & OBW Test Graph(s) (Channel Bandwidth:20 MHz)_LCH_16QAM



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

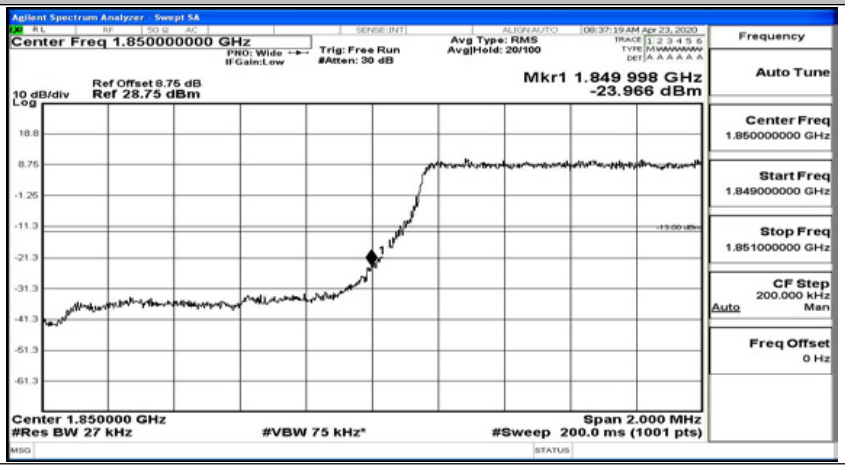


EBW & OBW Test Graph(s) (Channel Bandwidth:20 MHz)_HCH_16QAM

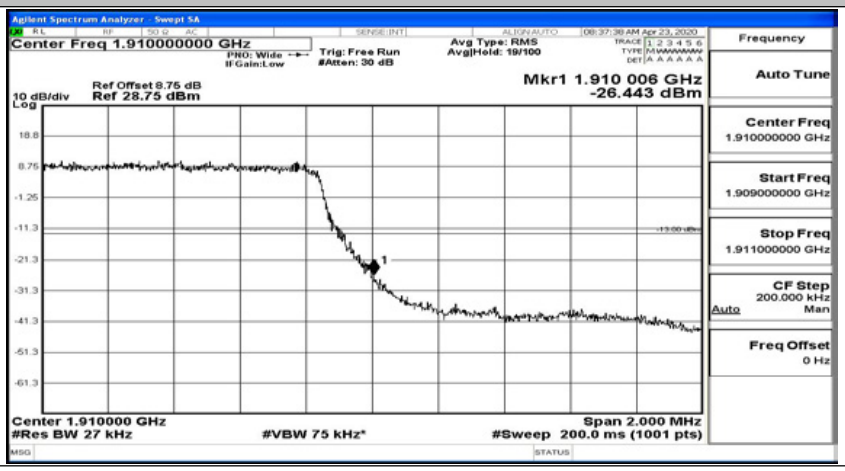


B.4 Band Edge

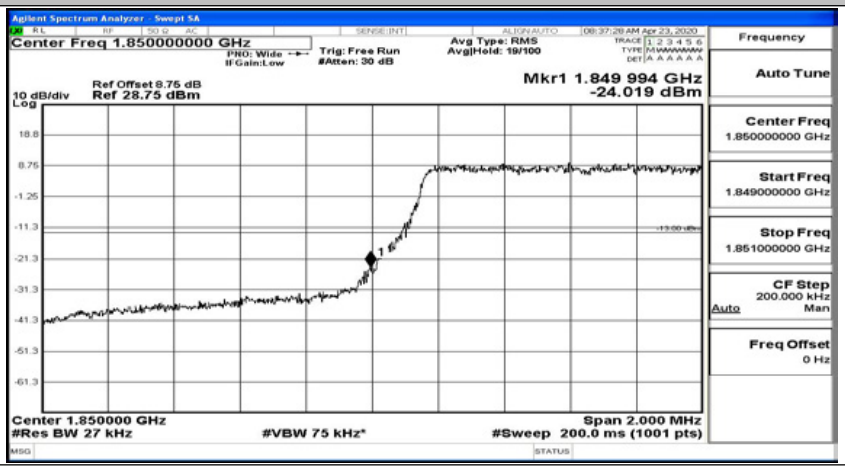
Band Edge Test Graph(s) (Channel Bandwidth: 1.4 MHz)_LCH_QPSK



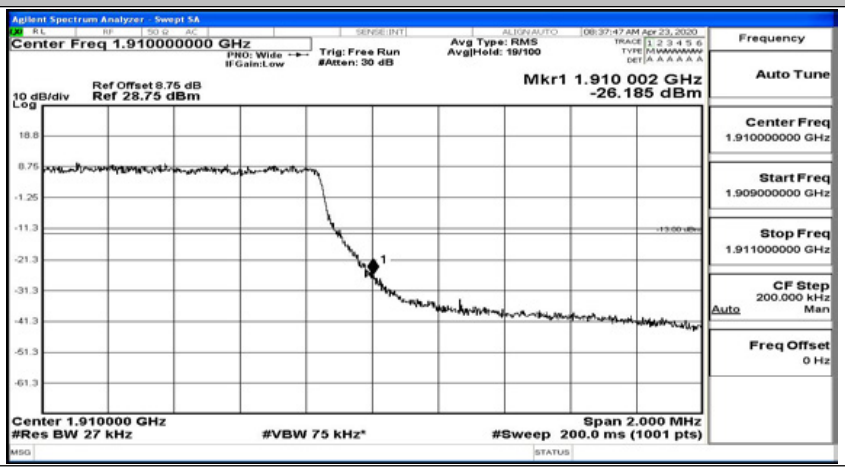
Band Edge Test Graph(s) (Channel Bandwidth: 1.4 MHz)_HCH_QPSK



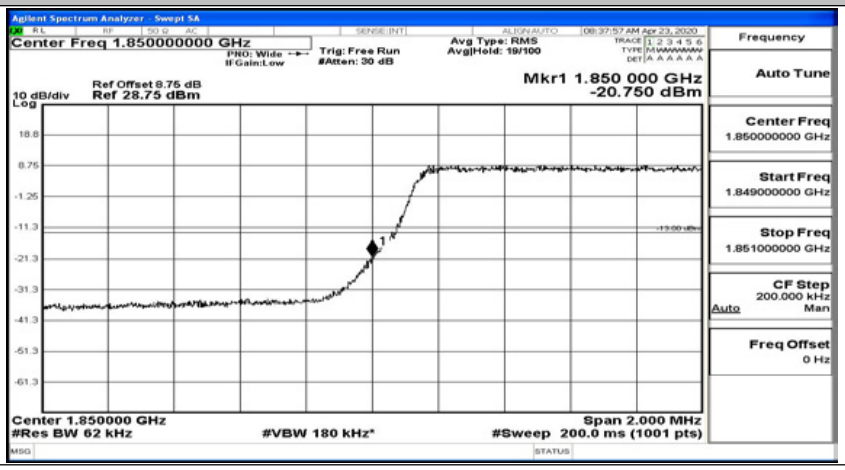
Band Edge Test Graph(s) (Channel Bandwidth: 1.4 MHz)_LCH_16QAM



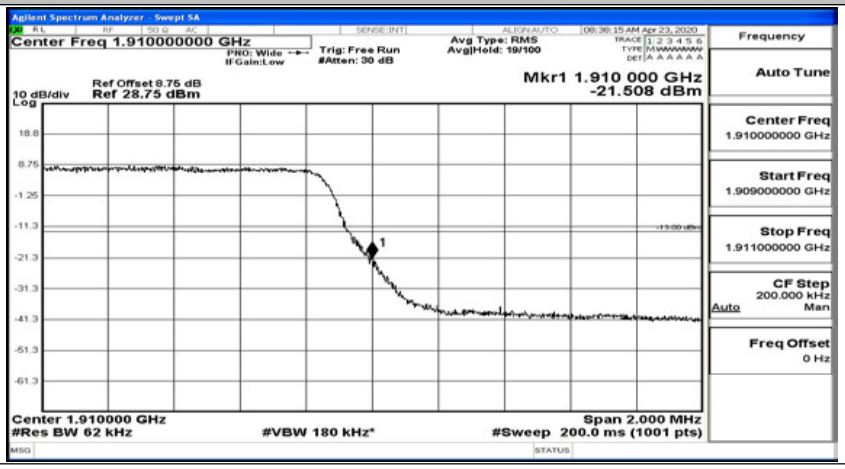
Band Edge Test Graph(s) (Channel Bandwidth: 1.4 MHz)_HCH_16QAM



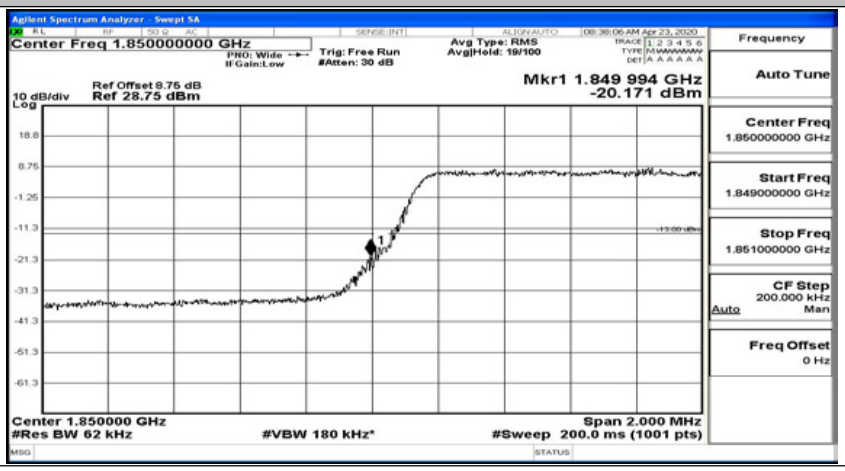
Band Edge Test Graph(s) (Channel Bandwidth: 3 MHz)_LCH_QPSK



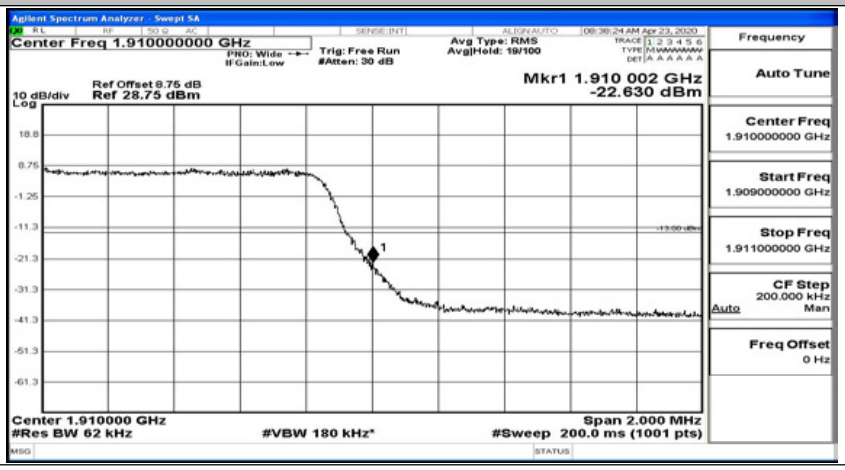
Band Edge Test Graph(s) (Channel Bandwidth: 3 MHz)_HCH_QPSK



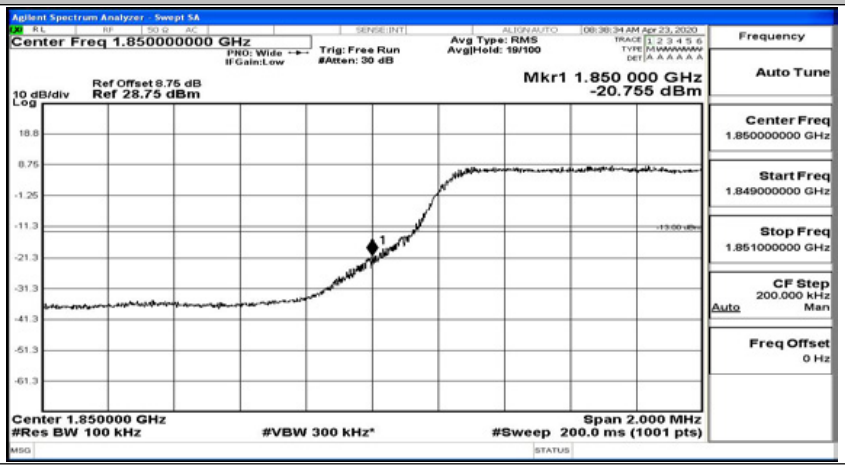
Band Edge Test Graph(s) (Channel Bandwidth: 3 MHz)_LCH_16QAM



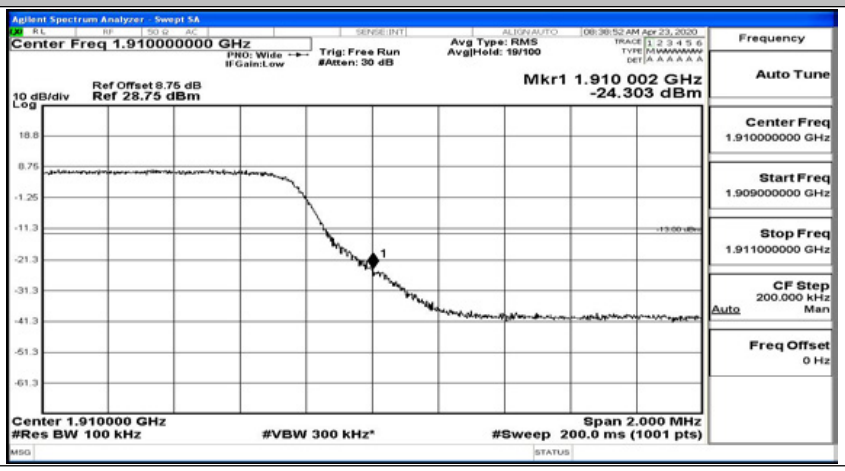
Band Edge Test Graph(s) (Channel Bandwidth: 3 MHz)_HCH_16QAM



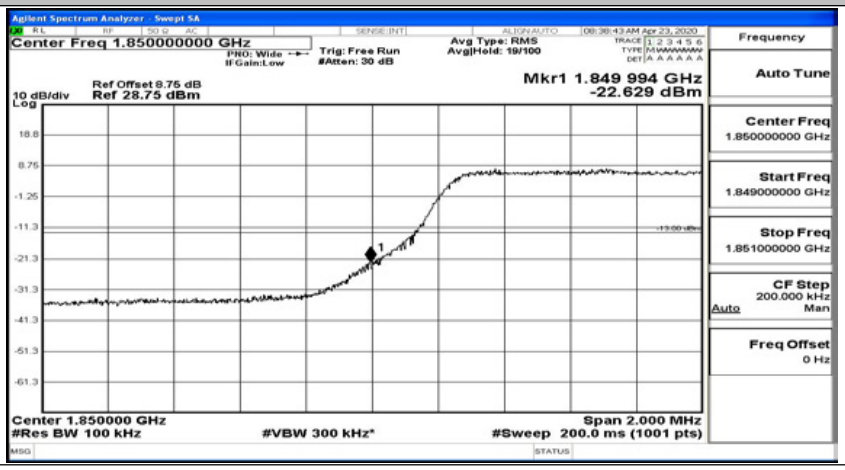
Band Edge Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_QPSK



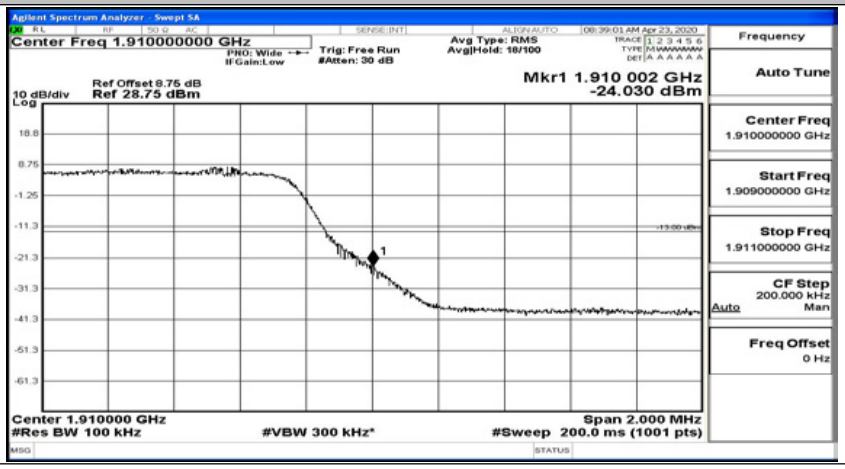
Band Edge Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_QPSK



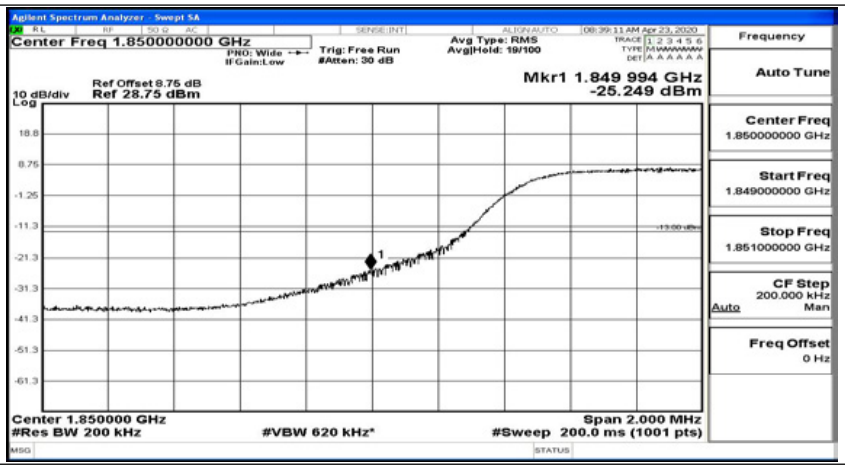
Band Edge Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_16QAM



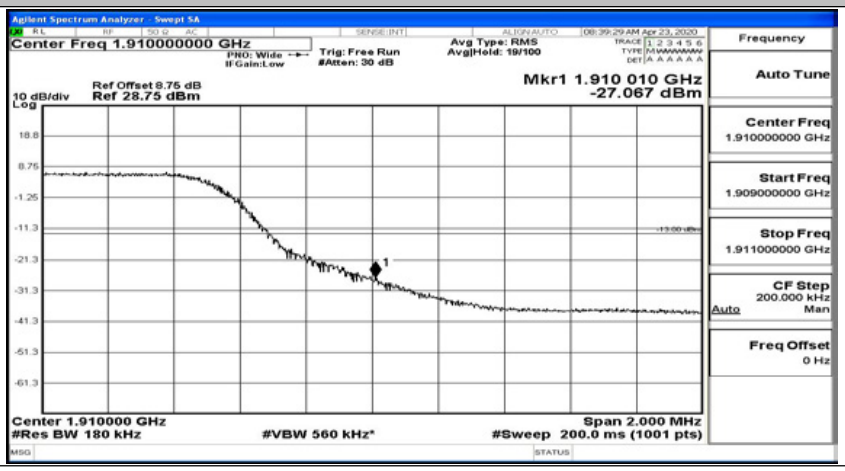
Band Edge Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_16QAM



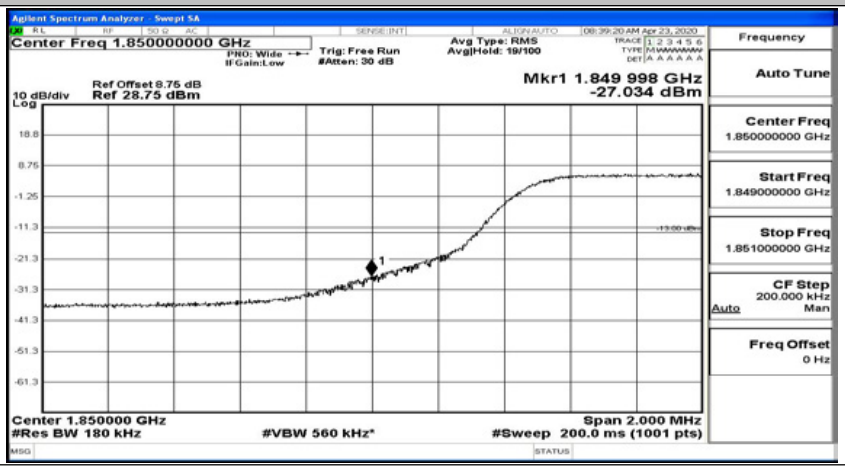
Band Edge Test Graph(s) (Channel Bandwidth: 10 MHz)_LCH_QPSK


Agilent Spectrum Analyzer - Swept SA
Center Freq 1.850000000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: RMS
Avg|Hold: 19/100
Mkr1 1.849 994 GHz
-25.249 dBm
Ref Offset 8.75 dB
10 dB/div
Log
Ref 28.75 dBm
18.8
8.75
-1.25
-11.3
-21.3
-31.3
-41.3
-51.3
-61.3
Center 1.850000 GHz
#Res BW 200 kHz
#VBW 620 kHz*
Span 2.000 MHz
#Sweep 200.0 ms (1001 pts)
Frequency
Auto Tune
Center Freq
1.850000000 GHz
Start Freq
1.849000000 GHz
Stop Freq
1.851000000 GHz
CF Step
200.000 kHz
Auto
Man
Freq Offset
0 Hz

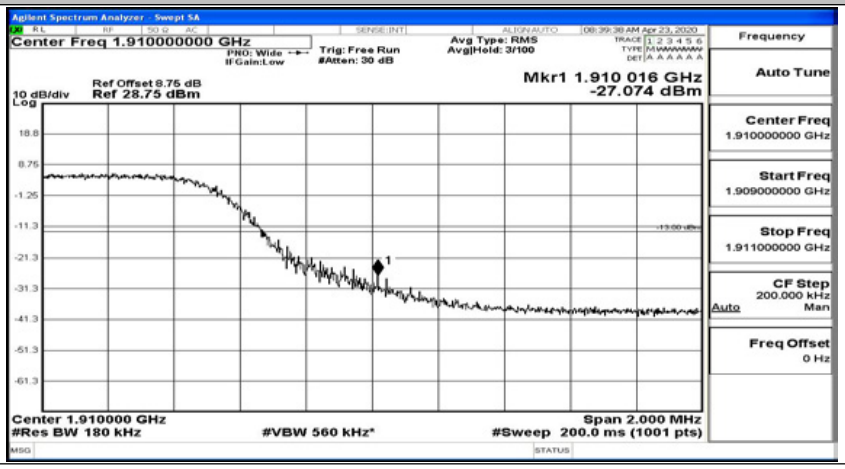
Band Edge Test Graph(s) (Channel Bandwidth: 10 MHz)_HCH_QPSK



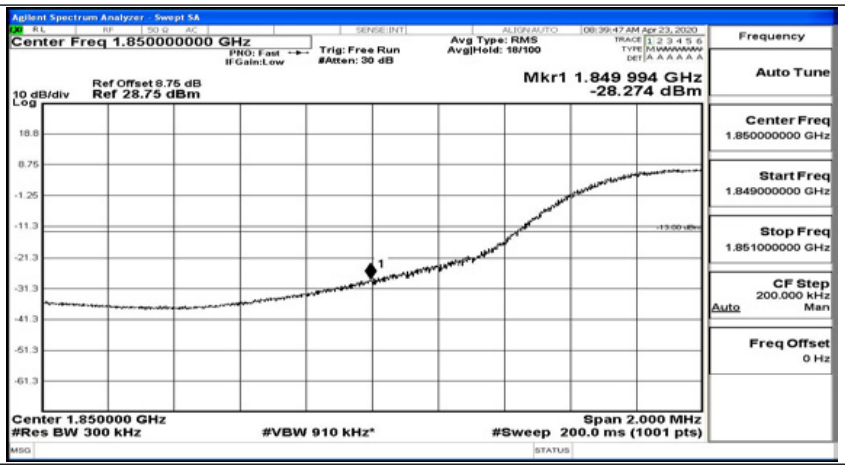
Band Edge Test Graph(s) (Channel Bandwidth: 10 MHz)_LCH_16QAM



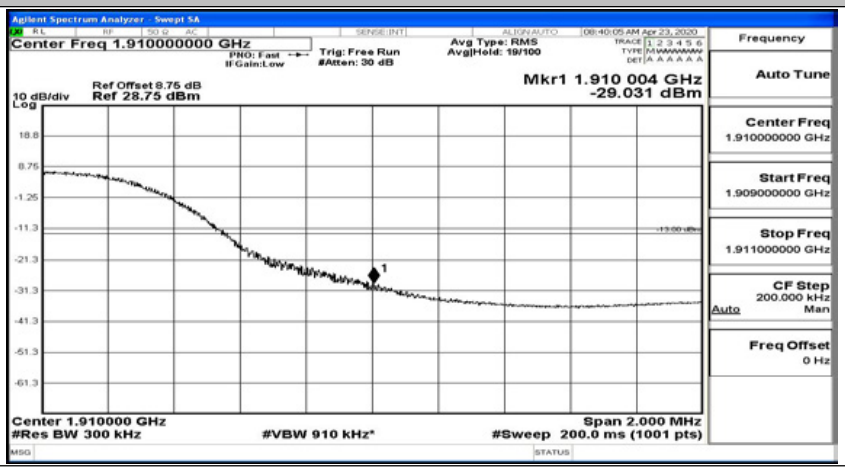
Band Edge Test Graph(s) (Channel Bandwidth: 10 MHz)_HCH_16QAM



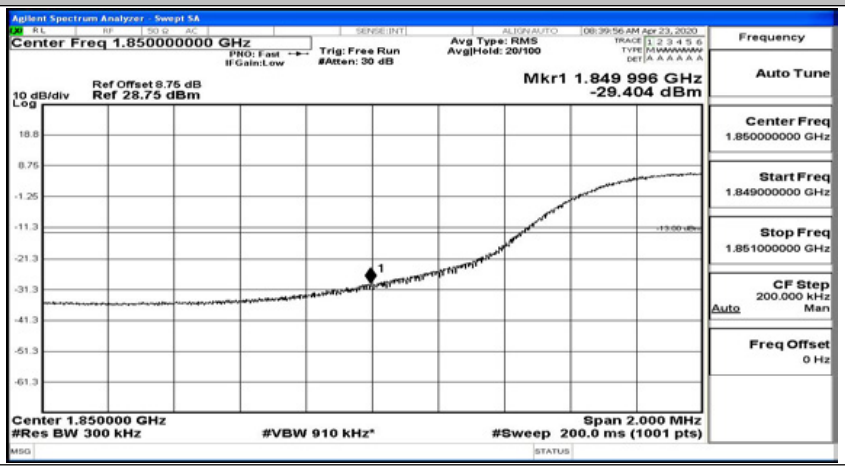
Band Edge Test Graph(s) (Channel Bandwidth:15 MHz)_LCH_QPSK


Agilent Spectrum Analyzer - Swept SA
Center Freq 1.850000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: RMS
Avg|Hold: 18/100
08:39:47 AM Apr 23, 2020
Mkr1 1.849 994 GHz
-28.274 dBm
Ref Offset 9.75 dB
10 dB/div
Log
Ref 28.75 dBm
18.8
8.75
-1.25
-11.3
-21.3
-31.3
-41.3
-51.3
-61.3
-13.00 dBm
Center 1.850000 GHz
#Res BW 300 kHz
#VBW 910 kHz*
Span 2.000 MHz
#Sweep 200.0 ms (1001 pts)
Frequency
Auto Tune
Center Freq
1.850000000 GHz
Start Freq
1.849000000 GHz
Stop Freq
1.851000000 GHz
CF Step
200.000 kHz
Auto
Man
Freq Offset
0 Hz
MSG
STATUS

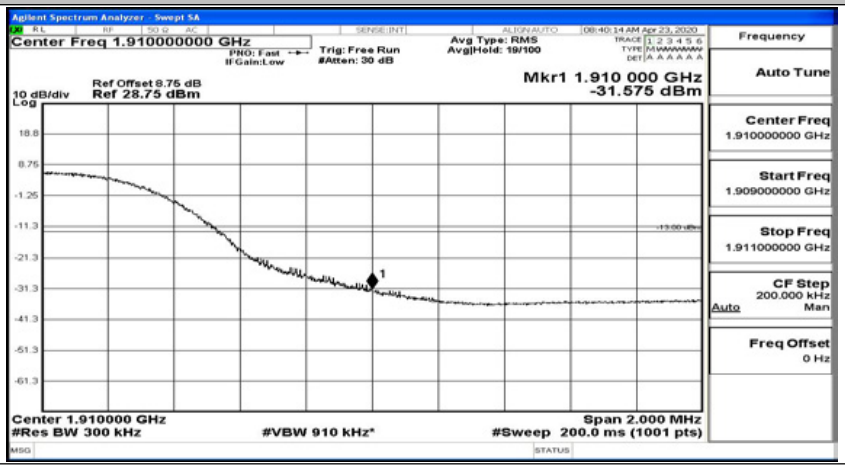
Band Edge Test Graph(s) (Channel Bandwidth:15 MHz)_HCH_QPSK



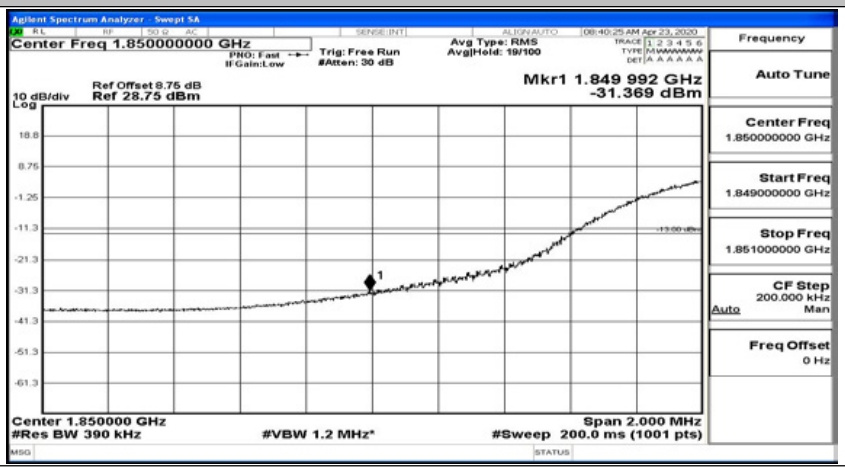
Band Edge Test Graph(s) (Channel Bandwidth:15 MHz)_LCH_16QAM



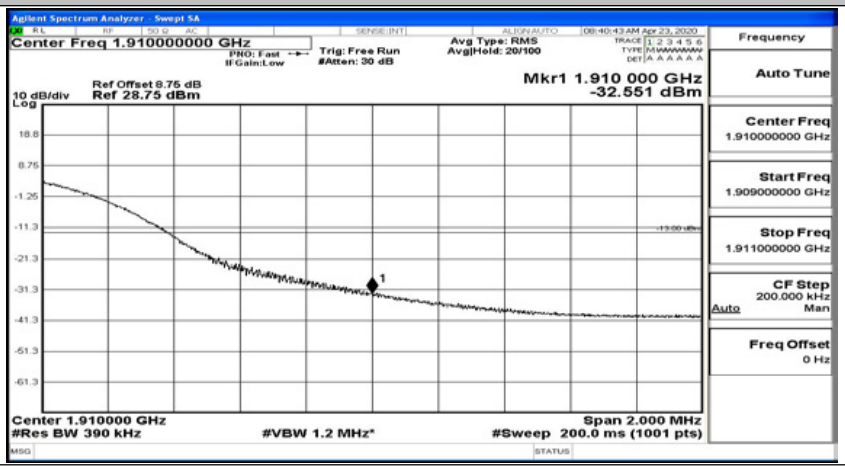
Band Edge Test Graph(s) (Channel Bandwidth:15 MHz)_HCH_16QAM



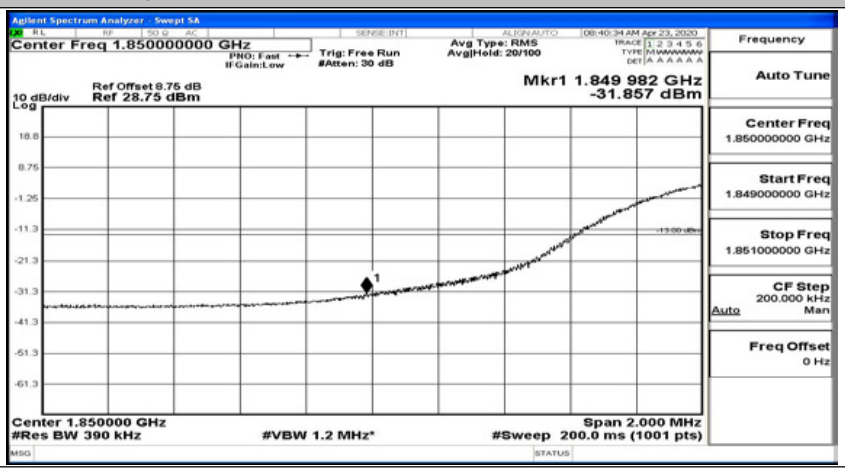
Band Edge Test Graph(s) (Channel Bandwidth:20 MHz)_LCH_QPSK



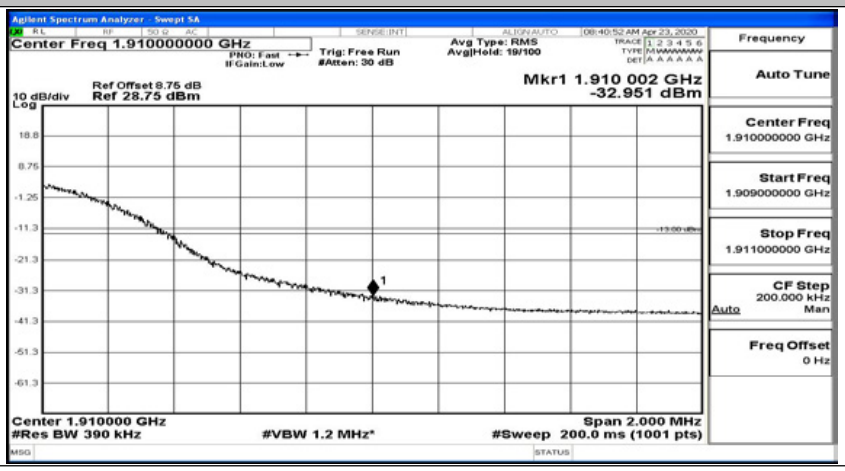
Band Edge Test Graph(s) (Channel Bandwidth:20 MHz)_HCH_QPSK



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

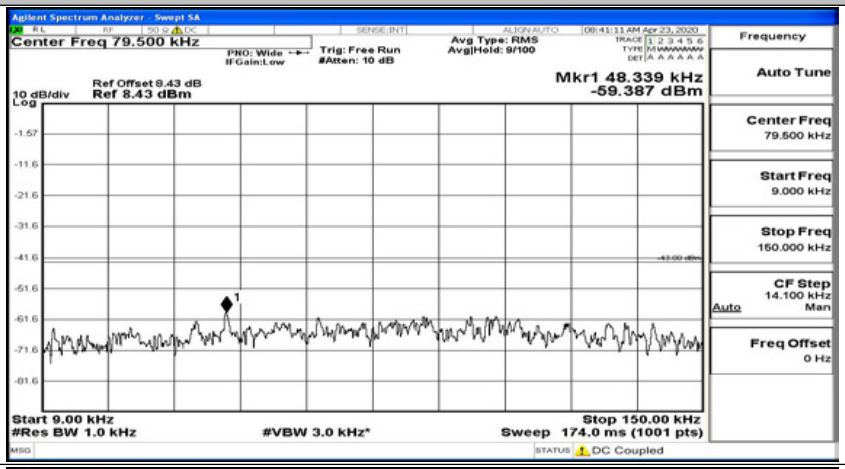


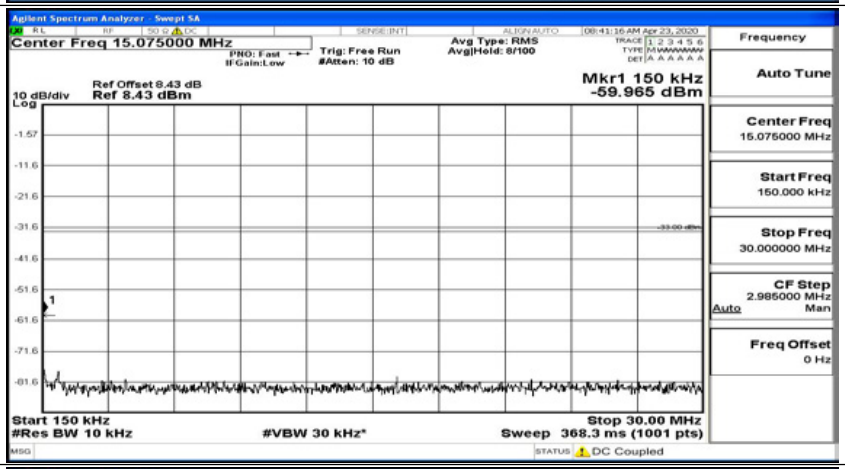
Band Edge Test Graph(s) (Channel Bandwidth:20 MHz)_HCH_16QAM



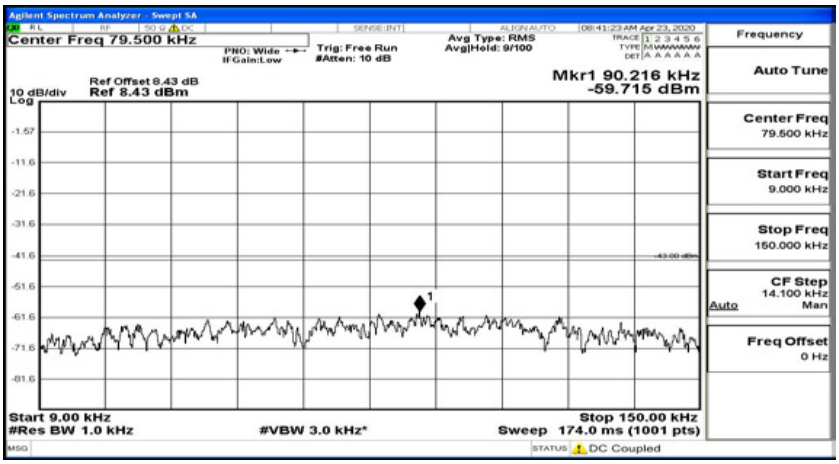
B.5 Conducted Spurious Emission

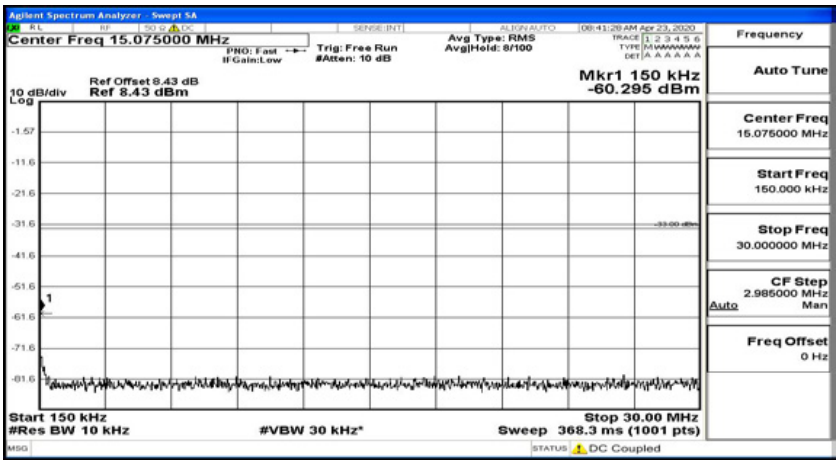
(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_1RB#0

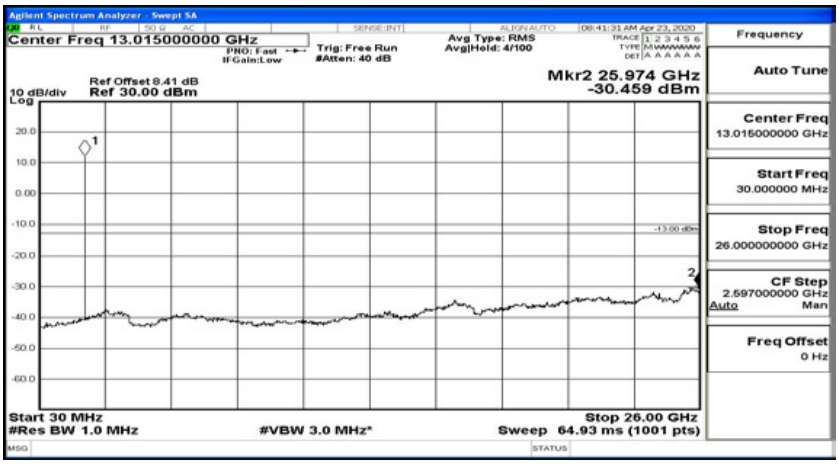




(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_1RB#3







(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_1RB#5