

## Appendix D: Test Data for E-UTRA Band 4

**Product Name: Smart Phone**

**Trade Mark: Kalley**

**Test Model: BLACK PRO**

### Environmental Conditions

Temperature:	24.6°C
Relative Humidity:	54.6%
ATM Pressure:	100.0 kPa
Test Engineer:	WANG CHUANG
Supervised by:	Jayden Zhuo

### D.1 Conducted Output Power

<SIM1>

#### Conducted Output Power Test Result (Channel Bandwidth: 1.4 MHz)

Modulation	Channel	RB Configuration		Average Power [dBm] QPSK	Average Power [dBm] 16QAM	Verdict
		Size	Offset			
QPSK / 16QAM	LCH	1	0	22.14	21.53	PASS
		1	3	22.27	21.64	PASS
		1	5	22.20	21.07	PASS
		3	0	21.79	20.72	PASS
		3	2	21.81	20.81	PASS
		3	3	21.78	20.80	PASS
		6	0	21.27	20.24	PASS
	MCH	1	0	21.64	20.96	PASS
		1	3	21.78	21.07	PASS
		1	5	21.58	20.82	PASS
		3	0	21.72	20.73	PASS
		3	2	21.73	20.76	PASS
		3	3	21.74	20.74	PASS
		6	0	21.15	20.30	PASS
	HCH	1	0	21.80	21.00	PASS
		1	3	22.03	21.24	PASS
		1	5	21.87	21.07	PASS
		3	0	21.90	21.02	PASS
		3	2	21.99	21.04	PASS
		3	3	21.97	21.02	PASS
		6	0	21.46	20.45	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	22.15	21.46	PASS
		1	7	22.43	21.70	PASS
		1	14	22.23	21.51	PASS
		8	0	21.21	20.27	PASS
		8	4	21.26	20.32	PASS
		8	7	21.23	20.31	PASS
		15	0	21.18	20.22	PASS
	MCH	1	0	22.14	21.46	PASS
		1	7	22.29	21.66	PASS
		1	14	22.01	21.27	PASS
		8	0	21.13	20.20	PASS
		8	4	21.09	20.23	PASS
		8	7	21.01	20.13	PASS
		15	0	21.03	20.07	PASS
	HCH	1	0	22.23	21.61	PASS
		1	7	22.52	21.91	PASS
		1	14	22.36	21.77	PASS
		8	0	21.32	20.31	PASS
		8	4	21.38	20.38	PASS
		8	7	21.37	20.40	PASS
		15	0	21.27	20.35	PASS

Conducted Output Power Test Result (Channel Bandwidth: 5 MHz)						
Modulation	Channel	RB Configuration		Average Power [dBm] QPSK	Average Power [dBm] 16QAM	Verdict
		Size	Offset			
QPSK / 16QAM	LCH	1	0	22.11	21.50	PASS
		1	12	22.38	21.80	PASS
		1	24	22.25	21.64	PASS
		12	0	21.21	20.37	PASS
		12	6	21.29	20.45	PASS
		12	13	21.35	20.53	PASS
		25	0	21.27	20.37	PASS
	MCH	1	0	22.19	21.53	PASS
		1	12	22.26	21.78	PASS
		1	24	21.91	21.32	PASS
		12	0	21.21	20.30	PASS
		12	6	21.15	20.31	PASS
		12	13	21.05	20.21	PASS
		25	0	21.12	20.16	PASS
	HCH	1	0	22.08	21.10	PASS
		1	12	22.54	21.49	PASS
		1	24	22.33	21.32	PASS
		12	0	21.17	20.14	PASS
		12	6	21.32	20.37	PASS
		12	13	21.35	20.42	PASS
		25	0	21.27	20.34	PASS

Conducted Output Power Test Result (Channel Bandwidth: 10 MHz)						
Modulation	Channel	RB Configuration		Average Power [dBm] QPSK	Average Power [dBm] 16QAM	Verdict
		Size	Offset			
QPSK / 16QAM	LCH	1	0	22.18	21.45	PASS
		1	24	22.50	21.78	PASS
		1	49	22.53	21.82	PASS
		25	0	21.27	20.31	PASS
		25	12	21.41	20.45	PASS
		25	25	21.72	20.77	PASS
		50	0	21.49	20.54	PASS
	MCH	1	0	22.37	21.66	PASS
		1	24	22.25	21.57	PASS
		1	49	21.88	21.19	PASS
		25	0	21.34	20.37	PASS
		25	12	21.16	20.19	PASS
		25	25	21.06	20.12	PASS
		50	0	21.18	20.20	PASS
	HCH	1	0	21.86	21.28	PASS
		1	24	22.26	21.68	PASS
		1	49	22.35	21.71	PASS
		25	0	20.98	20.03	PASS
		25	12	21.17	20.23	PASS
		25	25	21.45	20.49	PASS
		50	0	21.24	20.28	PASS

Conducted Output Power Test Result (Channel Bandwidth: 15 MHz)						
Modulation	Channel	RB Configuration		Average Power [dBm] QPSK	Average Power [dBm] 16QAM	Verdict
		Size	Offset			
QPSK / 16QAM	LCH	1	0	22.03	21.34	PASS
		1	37	22.68	21.96	PASS
		1	74	22.52	21.76	PASS
		37	0	21.26	20.27	PASS
		37	18	21.56	20.52	PASS
		37	38	21.68	20.66	PASS
		75	0	21.54	20.51	PASS
	MCH	1	0	22.33	21.61	PASS
		1	37	22.27	21.54	PASS
		1	74	21.70	20.99	PASS
		37	0	21.41	20.35	PASS
		37	18	21.24	20.21	PASS
		37	38	21.04	20.05	PASS
		75	0	21.19	20.19	PASS
	HCH	1	0	21.73	21.03	PASS
		1	37	22.14	21.49	PASS
		1	74	22.29	21.56	PASS
		37	0	21.08	20.07	PASS
		37	18	21.13	20.16	PASS
		37	38	21.42	20.46	PASS
		75	0	21.20	20.21	PASS

Conducted Output Power Test Result (Channel Bandwidth: 20 MHz)						
Modulation	Channel	RB Configuration		Average Power [dBm] QPSK	Average Power [dBm] 16QAM	Verdict
		Size	Offset			
QPSK / 16QAM	LCH	1	0	22.29	21.46	PASS
		1	49	22.76	21.91	PASS
		1	99	22.54	21.73	PASS
		50	0	21.44	20.44	PASS
		50	25	21.88	20.87	PASS
		50	50	21.79	20.81	PASS
		100	0	21.63	20.65	PASS
	MCH	1	0	22.60	21.76	PASS
		1	49	22.69	21.87	PASS
		1	99	21.87	21.10	PASS
		50	0	21.73	20.72	PASS
		50	25	21.44	20.51	PASS
		50	50	21.05	20.08	PASS
		100	0	21.43	20.44	PASS
	HCH	1	0	21.92	21.32	PASS
		1	49	22.36	21.74	PASS
		1	99	22.37	21.70	PASS
		50	0	21.24	20.33	PASS
		50	25	21.26	20.34	PASS
		50	50	21.64	20.70	PASS
		100	0	21.46	20.46	PASS

## &lt;SIM2&gt;

Conducted Output Power Test Result (Channel Bandwidth: 1.4 MHz)						
Modulation	Channel	RB Configuration		Average Power [dBm] QPSK	Average Power [dBm] 16QAM	Verdict
		Size	Offset			
QPSK / 16QAM	LCH	1	0	22.09	21.48	PASS
		1	3	22.24	21.58	PASS
		1	5	22.14	21.04	PASS
		3	0	21.73	20.67	PASS
		3	2	21.76	20.78	PASS
		3	3	21.74	20.75	PASS
		6	0	21.22	20.19	PASS
	MCH	1	0	21.61	20.92	PASS
		1	3	21.74	21.03	PASS
		1	5	21.54	20.78	PASS
		3	0	21.66	20.67	PASS
		3	2	21.69	20.72	PASS
		3	3	21.68	20.70	PASS
		6	0	21.11	20.26	PASS
	HCH	1	0	21.75	20.94	PASS
		1	3	21.97	21.19	PASS
		1	5	21.83	21.03	PASS
		3	0	21.85	20.98	PASS
		3	2	21.94	20.99	PASS
		3	3	21.91	20.96	PASS
		6	0	21.42	20.39	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	22.09	21.42	PASS
		1	7	22.38	21.66	PASS
		1	14	22.20	21.46	PASS
		8	0	21.16	20.23	PASS
		8	4	21.20	20.26	PASS
		8	7	21.18	20.27	PASS
		15	0	21.13	20.19	PASS
	MCH	1	0	22.10	21.42	PASS
		1	7	22.26	21.60	PASS
		1	14	21.95	21.23	PASS
		8	0	21.07	20.17	PASS
		8	4	21.05	20.17	PASS
		8	7	21.07	20.19	PASS
		15	0	21.09	20.14	PASS
	HCH	1	0	22.19	21.55	PASS
		1	7	22.47	21.86	PASS
		1	14	22.30	21.74	PASS
		8	0	21.26	20.25	PASS
		8	4	21.33	20.33	PASS
		8	7	21.32	20.37	PASS
		15	0	21.22	20.31	PASS

Conducted Output Power Test Result (Channel Bandwidth: 5 MHz)						
Modulation	Channel	RB Configuration		Average Power [dBm] QPSK	Average Power [dBm] 16QAM	Verdict
		Size	Offset			
QPSK / 16QAM	LCH	1	0	22.07	21.45	PASS
		1	12	22.34	21.75	PASS
		1	24	22.19	21.59	PASS
		12	0	21.16	20.33	PASS
		12	6	21.23	20.39	PASS
		12	13	21.29	20.50	PASS
		25	0	21.23	20.32	PASS
	MCH	1	0	22.15	21.49	PASS
		1	12	22.20	21.73	PASS
		1	24	21.86	21.28	PASS
		12	0	21.17	20.26	PASS
		12	6	21.09	20.28	PASS
		12	13	21.01	20.17	PASS
		25	0	21.08	20.11	PASS
	HCH	1	0	22.03	21.05	PASS
		1	12	22.51	21.45	PASS
		1	24	22.29	21.26	PASS
		12	0	21.11	20.08	PASS
		12	6	21.27	20.33	PASS
		12	13	21.31	20.37	PASS
		25	0	21.22	20.28	PASS

Conducted Output Power Test Result (Channel Bandwidth: 10 MHz)						
Modulation	Channel	RB Configuration		Average Power [dBm] QPSK	Average Power [dBm] 16QAM	Verdict
		Size	Offset			
QPSK / 16QAM	LCH	1	0	22.13	21.40	PASS
		1	24	22.46	21.74	PASS
		1	49	22.50	21.78	PASS
		25	0	21.22	20.27	PASS
		25	12	21.36	20.40	PASS
		25	25	21.68	20.74	PASS
		50	0	21.44	20.49	PASS
	MCH	1	0	22.31	21.63	PASS
		1	24	22.21	21.54	PASS
		1	49	21.84	21.14	PASS
		25	0	21.31	20.33	PASS
		25	12	21.12	20.16	PASS
		25	25	21.02	20.07	PASS
		50	0	21.14	20.15	PASS
	HCH	1	0	21.83	21.24	PASS
		1	24	22.23	21.64	PASS
		1	49	22.31	21.67	PASS
		25	0	21.03	20.08	PASS
		25	12	21.12	20.19	PASS
		25	25	21.40	20.46	PASS
		50	0	21.20	20.23	PASS

Conducted Output Power Test Result (Channel Bandwidth: 15 MHz)						
Modulation	Channel	RB Configuration		Average Power [dBm] QPSK	Average Power [dBm] 16QAM	Verdict
		Size	Offset			
QPSK / 16QAM	LCH	1	0	21.99	21.30	PASS
		1	37	22.64	21.92	PASS
		1	74	22.49	21.72	PASS
		37	0	21.22	20.23	PASS
		37	18	21.53	20.49	PASS
		37	38	21.62	20.61	PASS
		75	0	21.49	20.45	PASS
	MCH	1	0	22.28	21.56	PASS
		1	37	22.21	21.48	PASS
		1	74	21.67	20.94	PASS
		37	0	21.37	20.31	PASS
		37	18	21.21	20.17	PASS
		37	38	21.05	20.06	PASS
		75	0	21.16	20.16	PASS
	HCH	1	0	21.67	20.97	PASS
		1	37	22.10	21.45	PASS
		1	74	22.25	21.51	PASS
		37	0	21.03	20.02	PASS
		37	18	21.08	20.12	PASS
		37	38	21.37	20.41	PASS
		75	0	21.15	20.16	PASS

Conducted Output Power Test Result (Channel Bandwidth: 20 MHz)						
Modulation	Channel	RB Configuration		Average Power [dBm] QPSK	Average Power [dBm] 16QAM	Verdict
		Size	Offset			
QPSK / 16QAM	LCH	1	0	22.26	21.41	PASS
		1	49	22.72	21.86	PASS
		1	99	22.50	21.69	PASS
		50	0	21.38	20.40	PASS
		50	25	21.85	20.83	PASS
		50	50	21.75	20.76	PASS
		100	0	21.59	20.60	PASS
	MCH	1	0	22.57	21.72	PASS
		1	49	22.65	21.82	PASS
		1	99	21.84	21.06	PASS
		50	0	21.69	20.67	PASS
		50	25	21.38	20.47	PASS
		50	50	21.03	20.06	PASS
		100	0	21.39	20.39	PASS
	HCH	1	0	21.87	21.28	PASS
		1	49	22.31	21.70	PASS
		1	99	22.33	21.66	PASS
		50	0	21.21	20.30	PASS
		50	25	21.22	20.29	PASS
		50	50	21.59	20.65	PASS
		100	0	21.42	20.43	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	5.31	<13	PASS
	MCH	5.4	<13	PASS
	HCH	5.06	<13	PASS
16QAM	LCH	6.31	<13	PASS
	MCH	6.3	<13	PASS
	HCH	5.94	<13	PASS

### Peak-to Average Ratio Test Result (Channel Bandwidth: 3 MHz)

Modulation	Channel	Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
QPSK	LCH	5.47	<13	PASS
	MCH	5.48	<13	PASS
	HCH	5.3	<13	PASS
16QAM	LCH	6.35	<13	PASS
	MCH	6.34	<13	PASS
	HCH	5.98	<13	PASS

### Peak-to Average Ratio Test Result (Channel Bandwidth: 5 MHz)

Modulation	Channel	Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
QPSK	LCH	5.48	<13	PASS
	MCH	5.61	<13	PASS
	HCH	5.24	<13	PASS
16QAM	LCH	6.26	<13	PASS
	MCH	6.35	<13	PASS
	HCH	6.05	<13	PASS

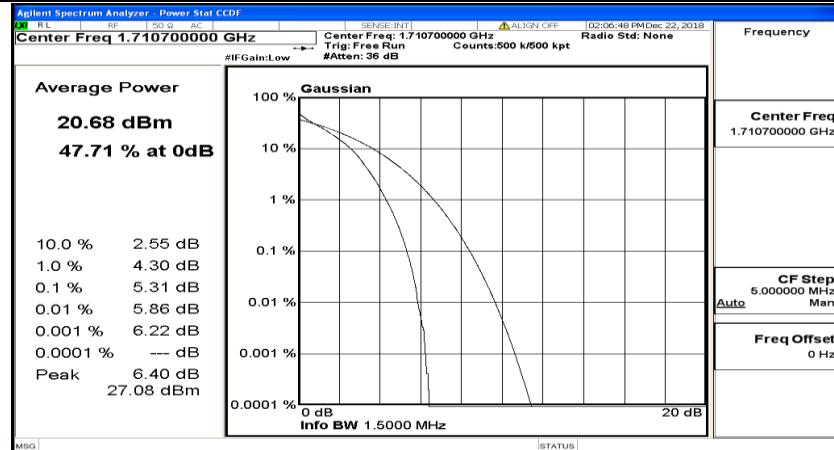
### Peak-to Average Ratio Test Result (Channel Bandwidth: 10 MHz)

Modulation	Channel	Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
QPSK	LCH	5.55	<13	PASS
	MCH	5.58	<13	PASS
	HCH	5.41	<13	PASS
16QAM	LCH	6.19	<13	PASS
	MCH	6.27	<13	PASS
	HCH	6.18	<13	PASS

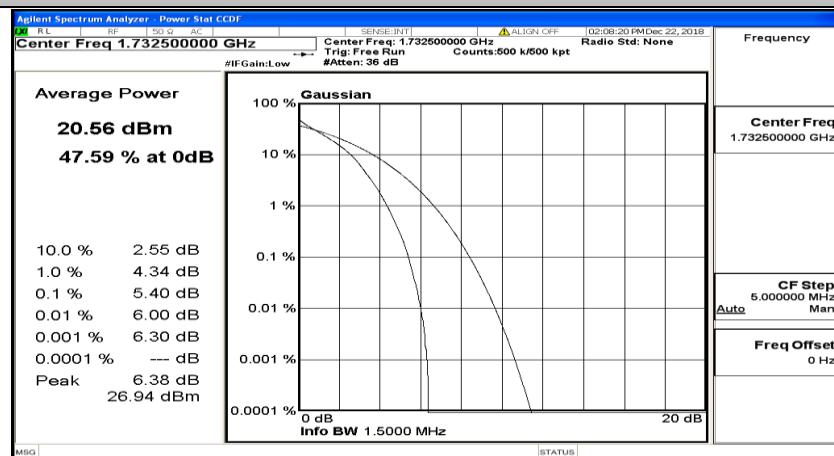
Peak-to Average Ratio Test Result (Channel Bandwidth: 15 MHz)				
Modulation	Channel	Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
QPSK	LCH	5.03	<13	PASS
	MCH	4.93	<13	PASS
	HCH	5.11	<13	PASS
16QAM	LCH	6.22	<13	PASS
	MCH	6.23	<13	PASS
	HCH	6.27	<13	PASS

Peak-to Average Ratio Test Result (Channel Bandwidth: 20 MHz)				
Modulation	Channel	Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
QPSK	LCH	5.66	<13	PASS
	MCH	5.69	<13	PASS
	HCH	5.82	<13	PASS
16QAM	LCH	6.74	<13	PASS
	MCH	6.76	<13	PASS
	HCH	6.74	<13	PASS

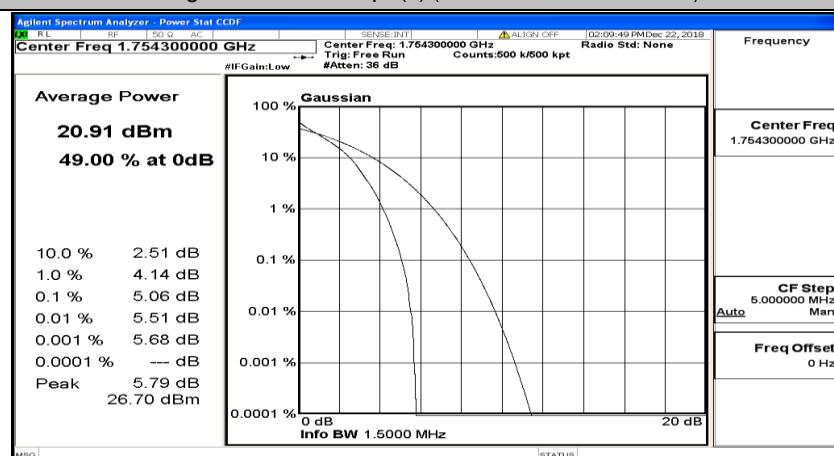
## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 1.4 MHz)\_LCH\_QPSK



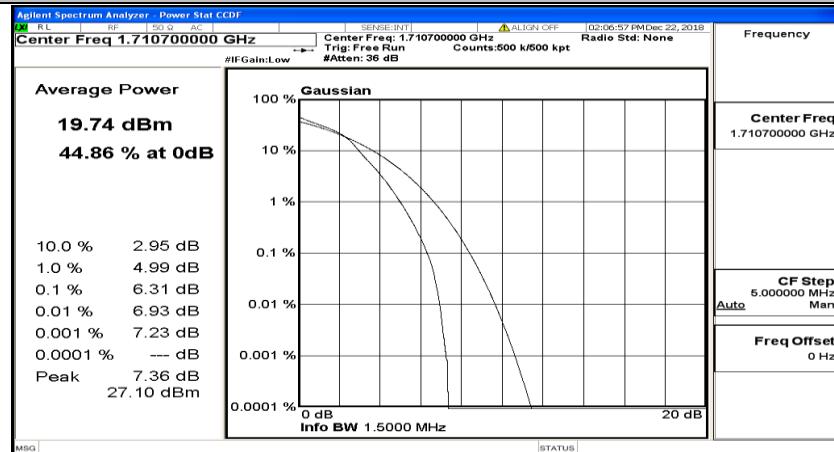
## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 1.4 MHz)\_MCH\_QPSK



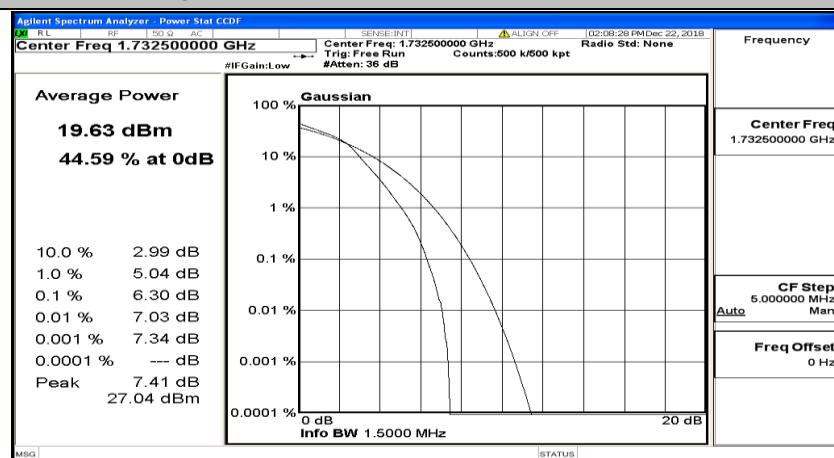
## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 1.4 MHz)\_HCH\_QPSK



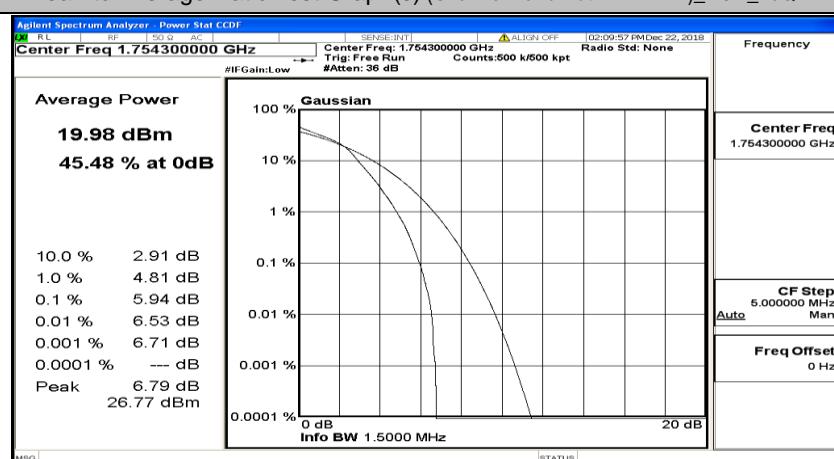
## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 1.4 MHz)\_LCH\_16QAM



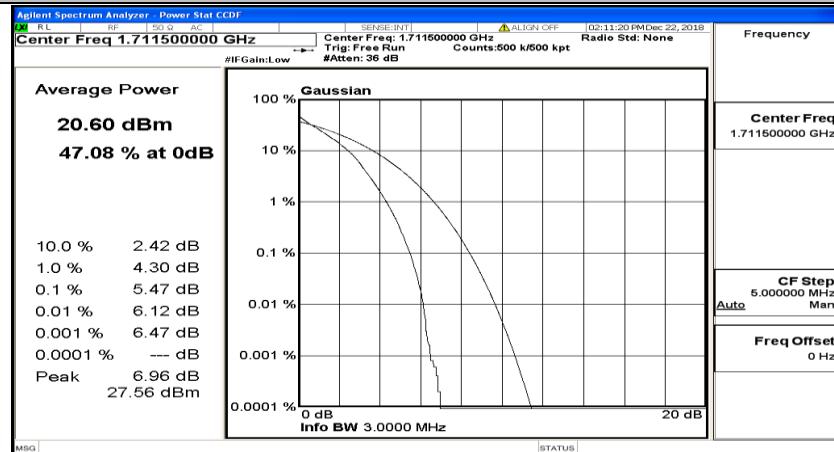
## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 1.4 MHz)\_MCH\_16QAM



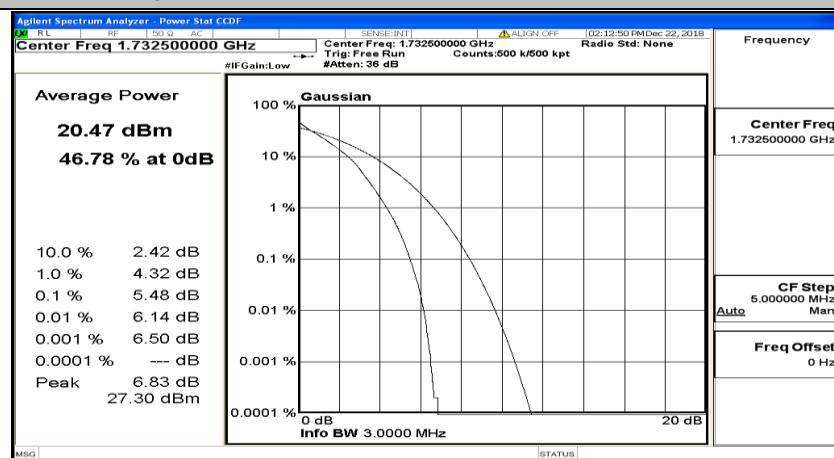
## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 1.4 MHz)\_HCH\_16QAM



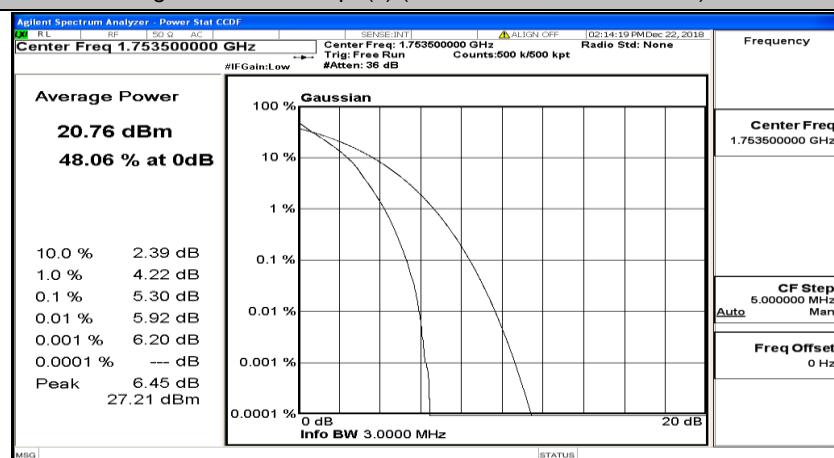
## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 3 MHz)\_LCH\_QPSK



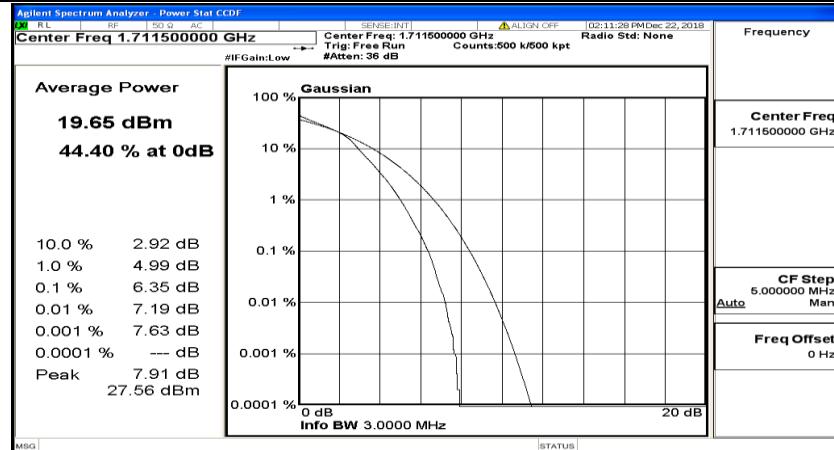
## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 3 MHz)\_MCH\_QPSK



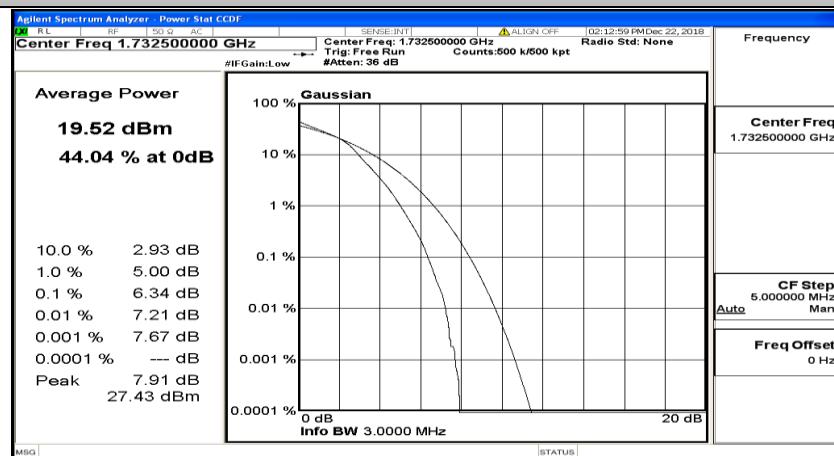
## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 3 MHz)\_HCH\_QPSK



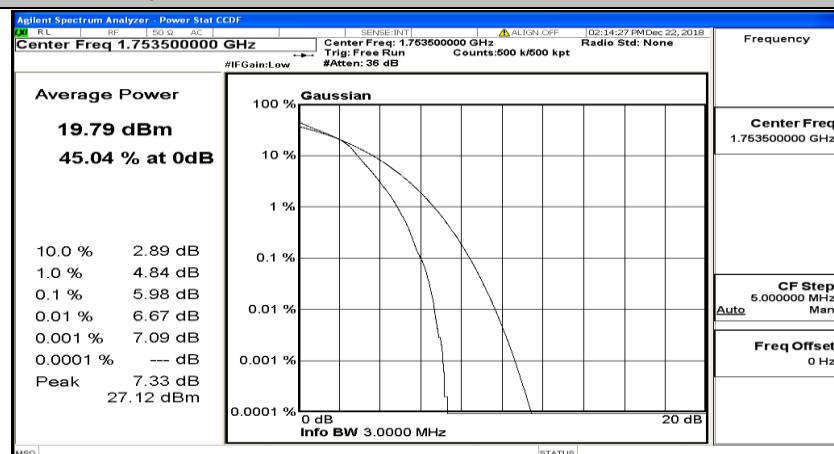
## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 3 MHz)\_LCH\_16QAM



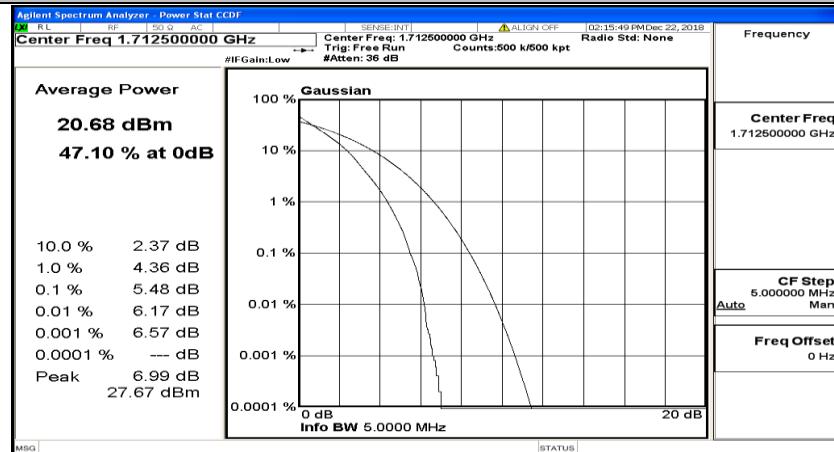
## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 3 MHz)\_MCH\_16QAM



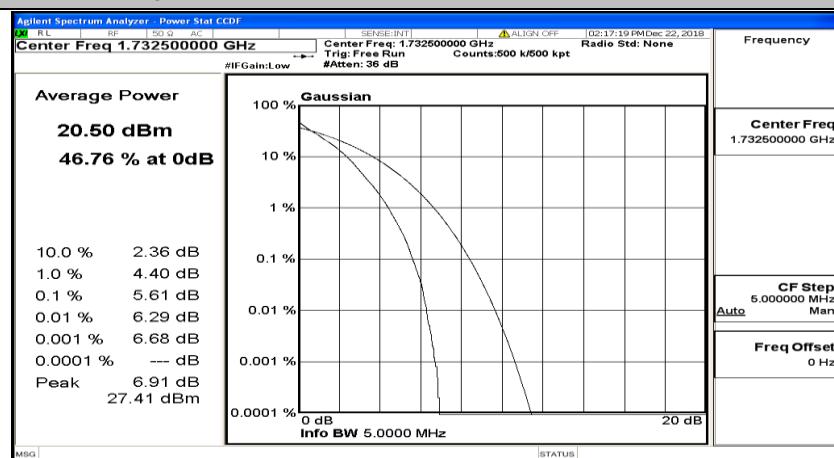
## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 3 MHz)\_HCH\_16QAM



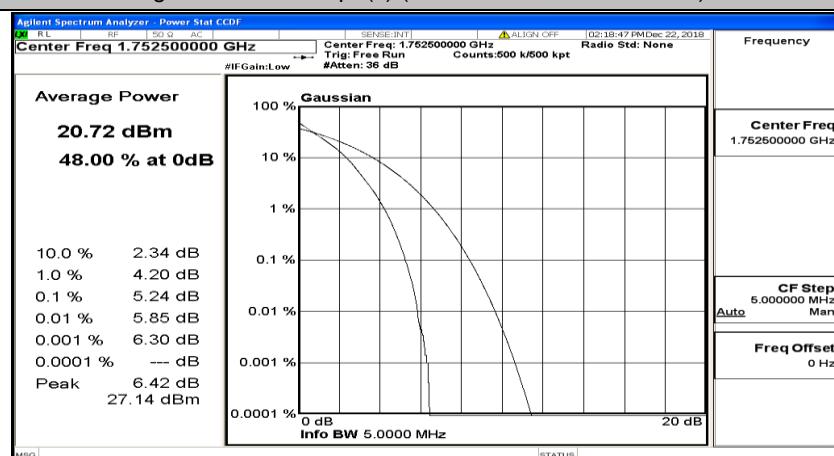
## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)\_LCH\_QPSK



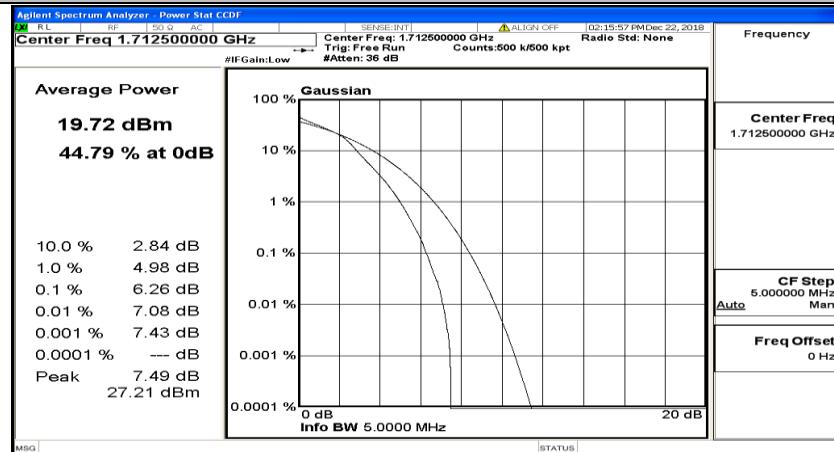
## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)\_MCH\_QPSK



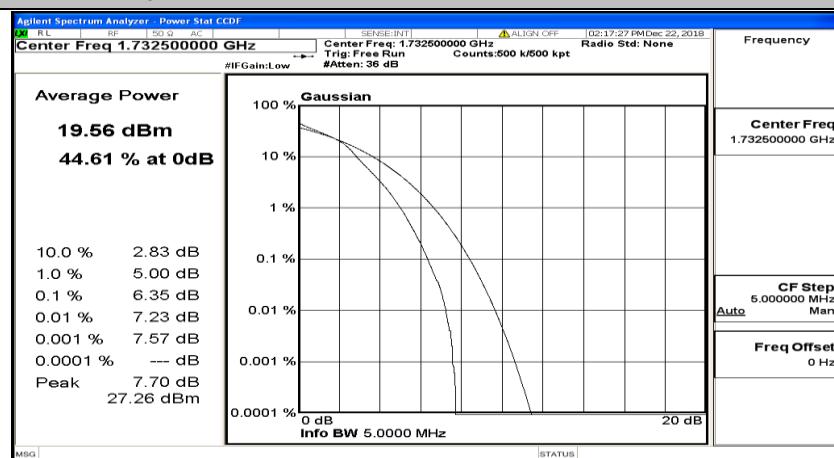
## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)\_HCH\_QPSK



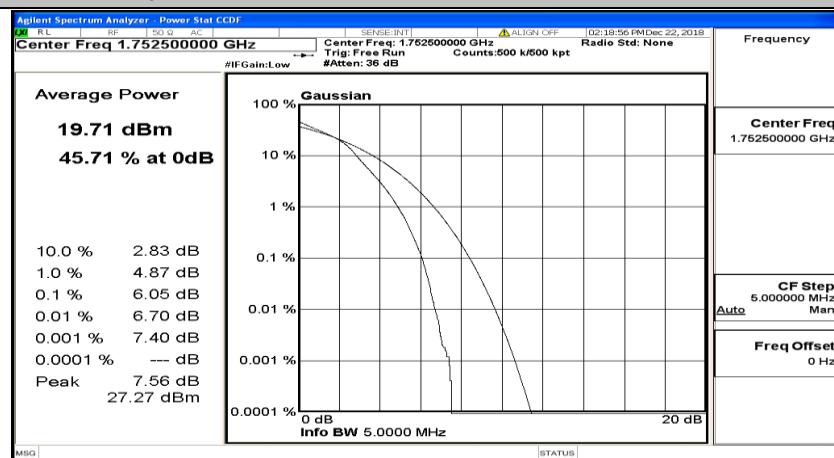
## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)\_LCH\_16QAM



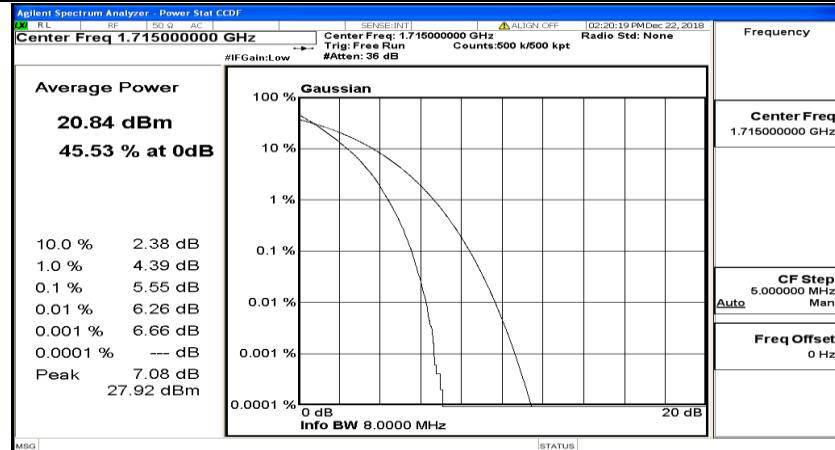
## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)\_MCH\_16QAM



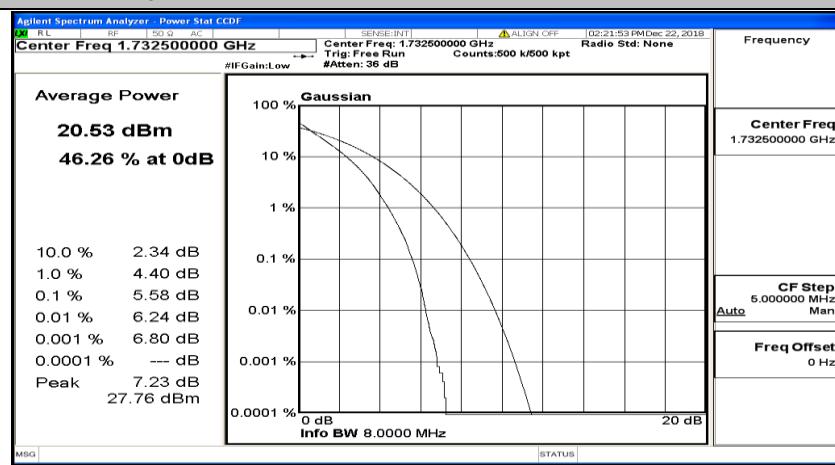
## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)\_HCH\_16QAM



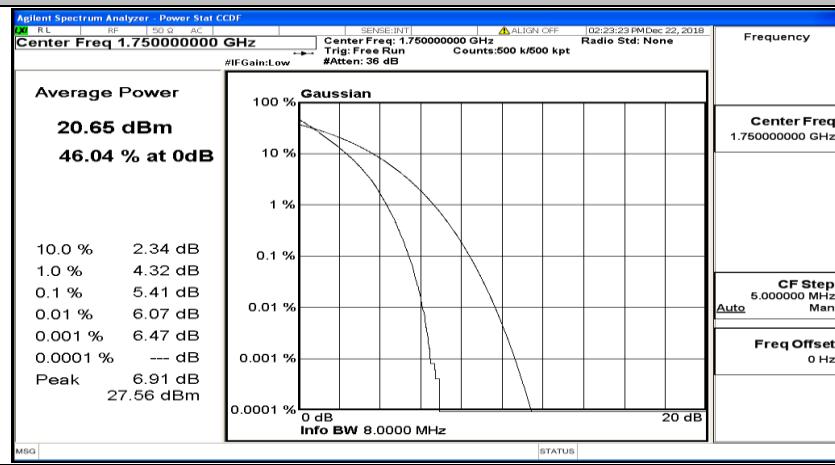
## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)\_LCH\_QPSK



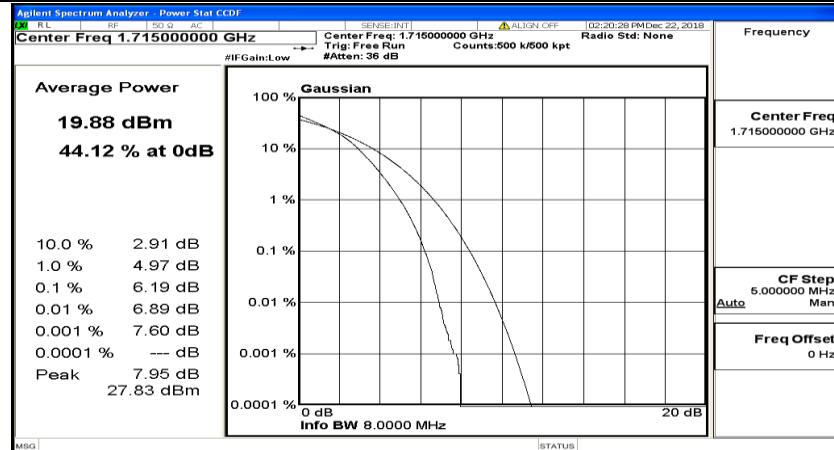
## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)\_MCH\_QPSK



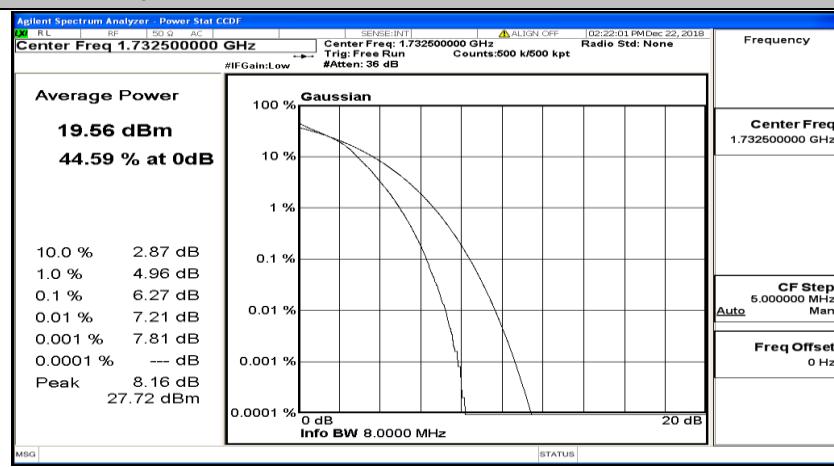
## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)\_HCH\_QPSK



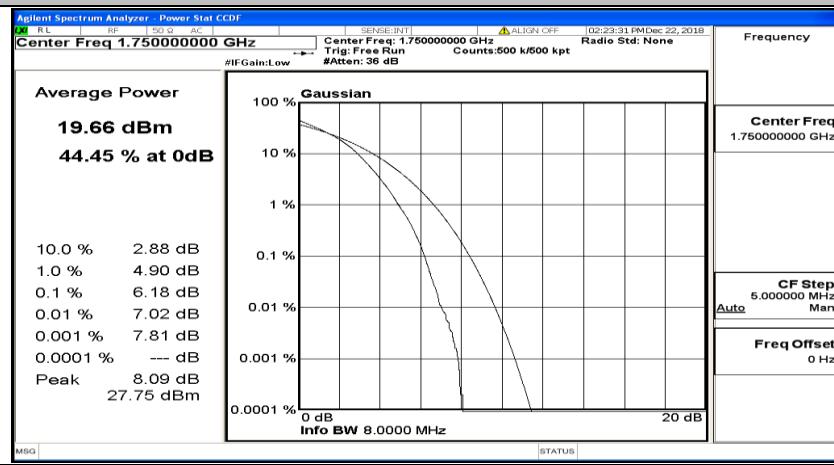
## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)\_LCH\_16QAM



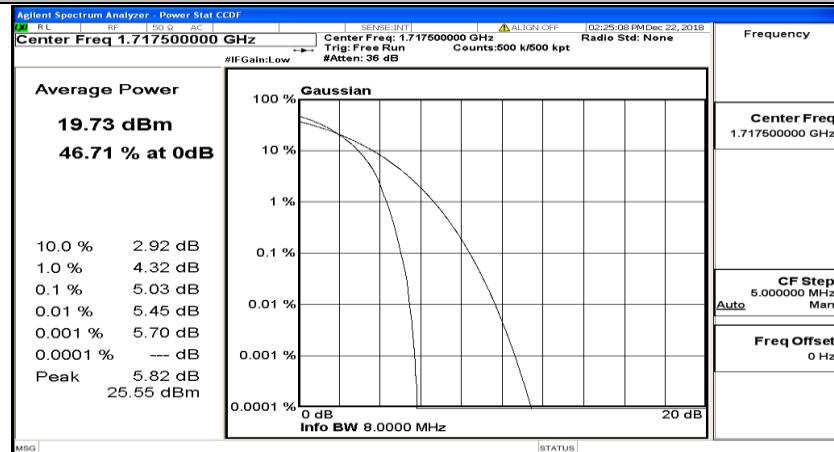
## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)\_MCH\_16QAM



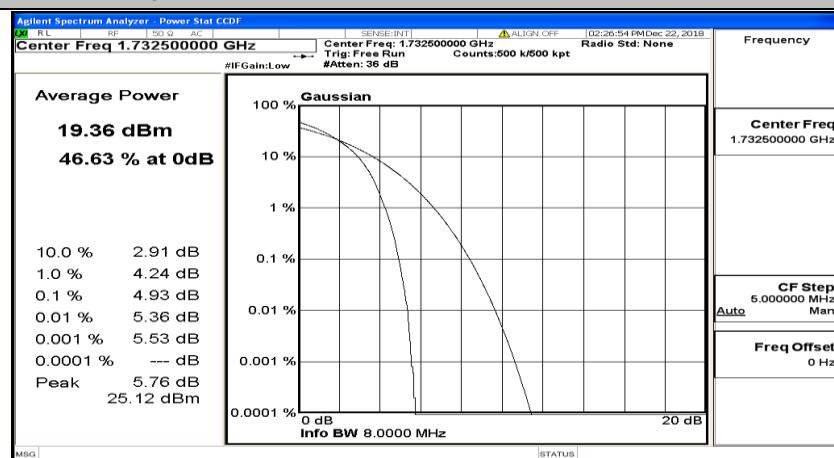
## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)\_HCH\_16QAM



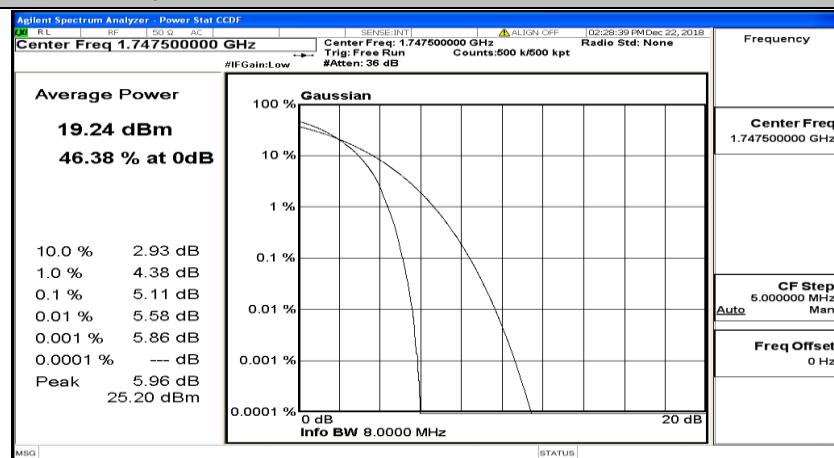
## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:15 MHz)\_LCH\_QPSK



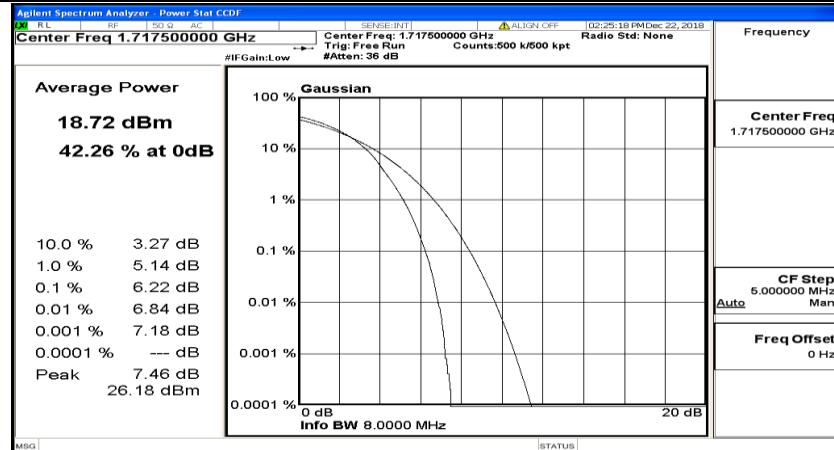
## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:15 MHz)\_MCH\_QPSK



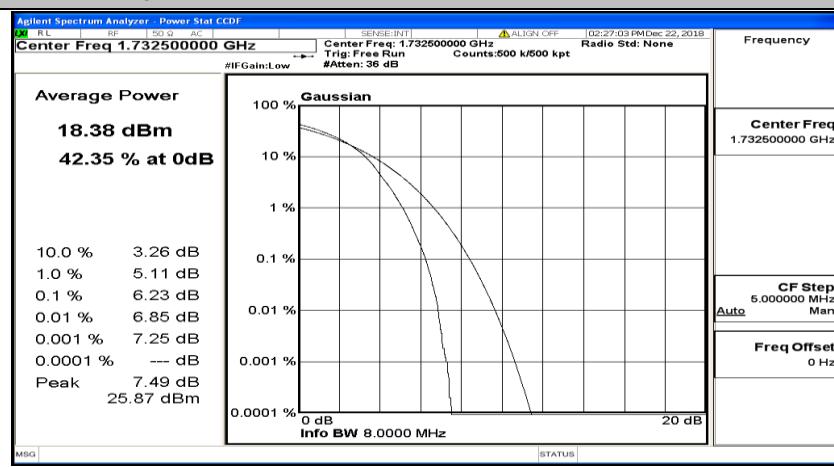
## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:15 MHz)\_HCH\_QPSK



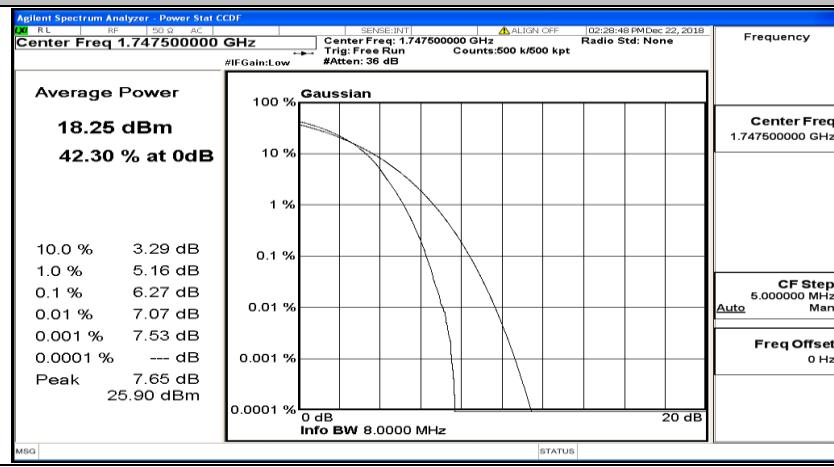
## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:15 MHz)\_LCH\_16QAM



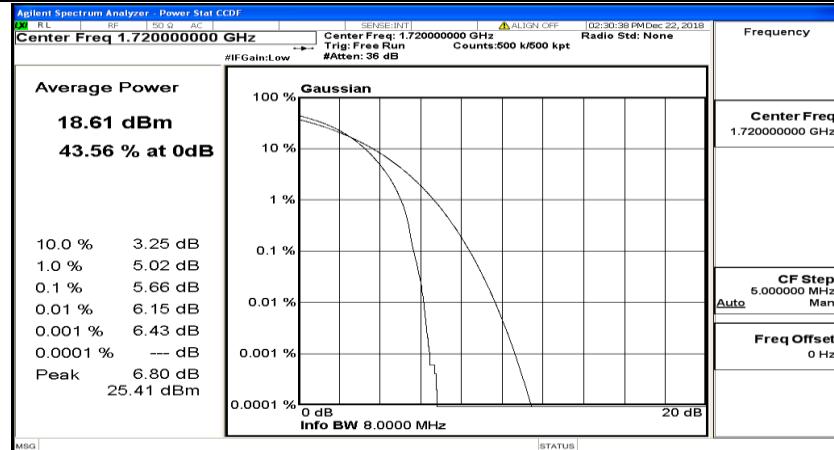
## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:15 MHz)\_MCH\_16QAM



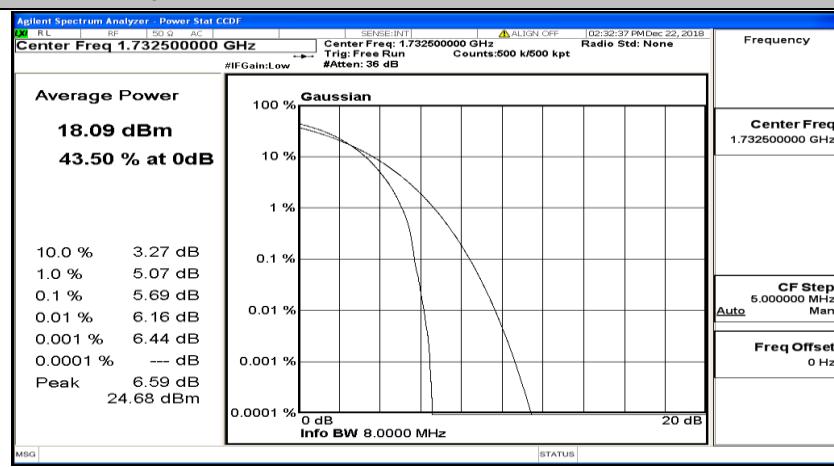
## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:15 MHz)\_HCH\_16QAM



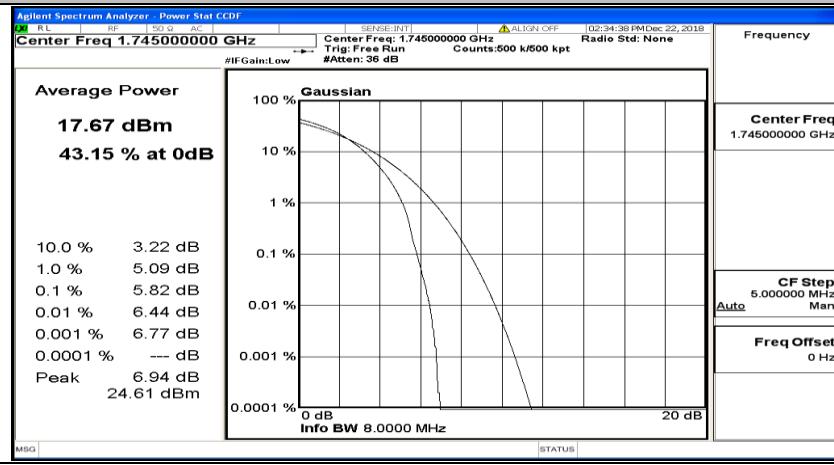
## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:20 MHz)\_LCH\_QPSK



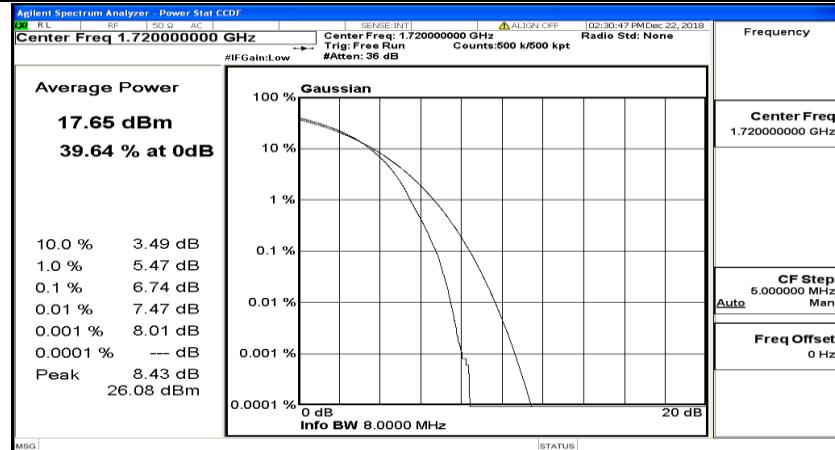
## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:20 MHz)\_MCH\_QPSK



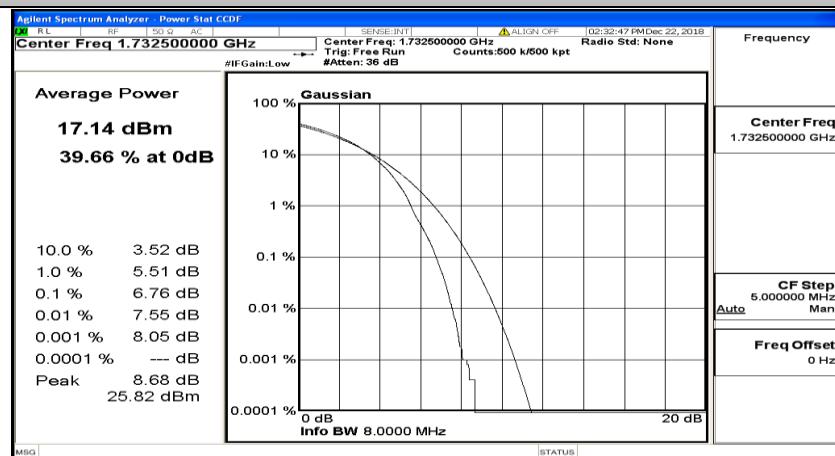
## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:20 MHz)\_HCH\_QPSK



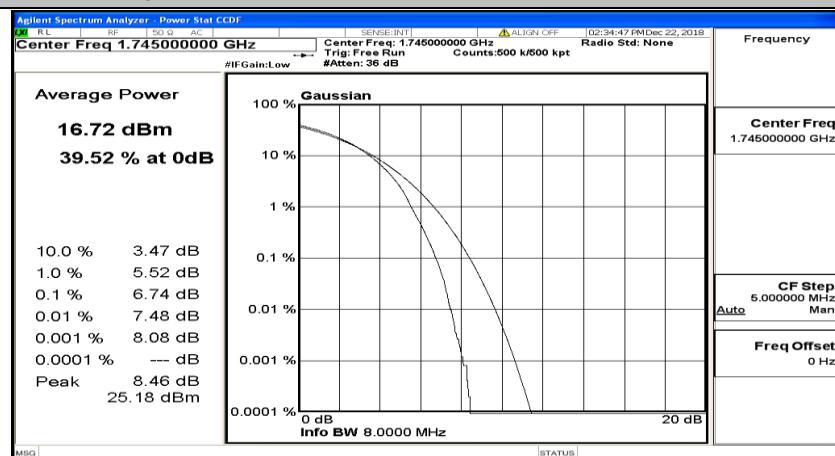
## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:20 MHz)\_LCH\_16QAM



## 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	1.0730	1.223	PASS
	MCH	1.0725	1.227	PASS
	HCH	1.0770	1.218	PASS
16QAM	LCH	1.0797	1.236	PASS
	MCH	1.0785	1.240	PASS
	HCH	1.0750	1.220	PASS

EBW & OBW Test Result (Channel Bandwidth: 3 MHz)				
Modulation	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
QPSK	LCH	2.6833	2.826	PASS
	MCH	2.6764	2.839	PASS
	HCH	2.6795	2.845	PASS
16QAM	LCH	2.6769	2.826	PASS
	MCH	2.6788	2.850	PASS
	HCH	2.6832	2.831	PASS

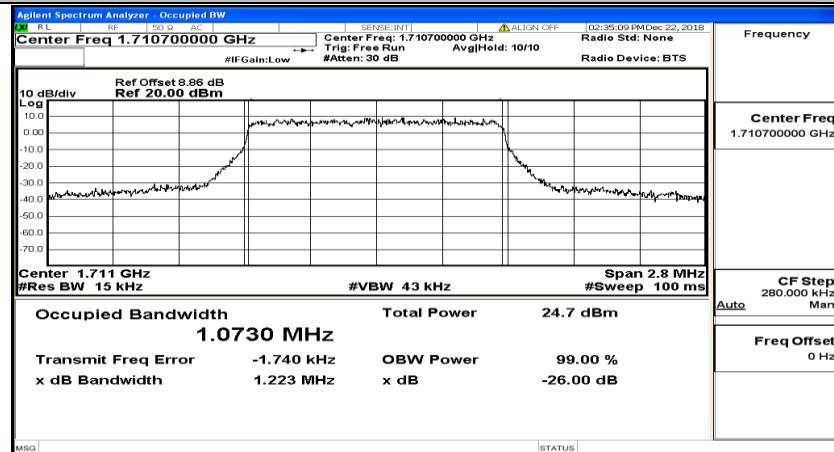
EBW & OBW Test Result (Channel Bandwidth: 5 MHz)				
Modulation	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
QPSK	LCH	4.4739	4.735	PASS
	MCH	4.4688	4.698	PASS
	HCH	4.4679	4.756	PASS
16QAM	LCH	4.4664	4.730	PASS
	MCH	4.4776	4.748	PASS
	HCH	4.4745	4.747	PASS

EBW & OBW Test Result (Channel Bandwidth: 10 MHz)				
Modulation	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
QPSK	LCH	8.9545	9.370	PASS
	MCH	8.9412	9.392	PASS
	HCH	8.9293	9.352	PASS
16QAM	LCH	8.9453	9.342	PASS
	MCH	8.9388	9.388	PASS
	HCH	8.9299	9.401	PASS

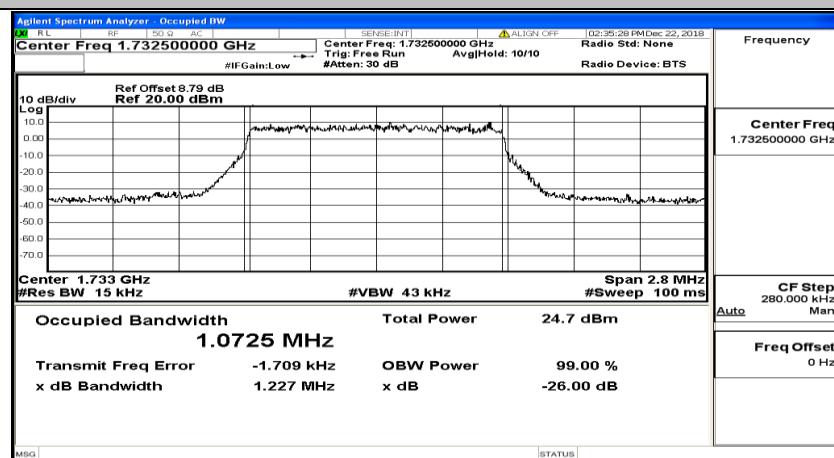
EBW & OBW Test Result (Channel Bandwidth: 15 MHz)				
Modulation	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
QPSK	LCH	13.383	13.91	PASS
	MCH	13.395	13.97	PASS
	HCH	13.393	13.92	PASS
16QAM	LCH	13.381	13.92	PASS
	MCH	13.394	13.95	PASS
	HCH	13.411	13.95	PASS

EBW & OBW Test Result (Channel Bandwidth: 20 MHz)				
Modulation	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
QPSK	LCH	17.790	18.56	PASS
	MCH	17.844	18.56	PASS
	HCH	17.891	18.54	PASS
16QAM	LCH	17.811	18.51	PASS
	MCH	17.844	18.58	PASS
	HCH	17.885	18.54	PASS

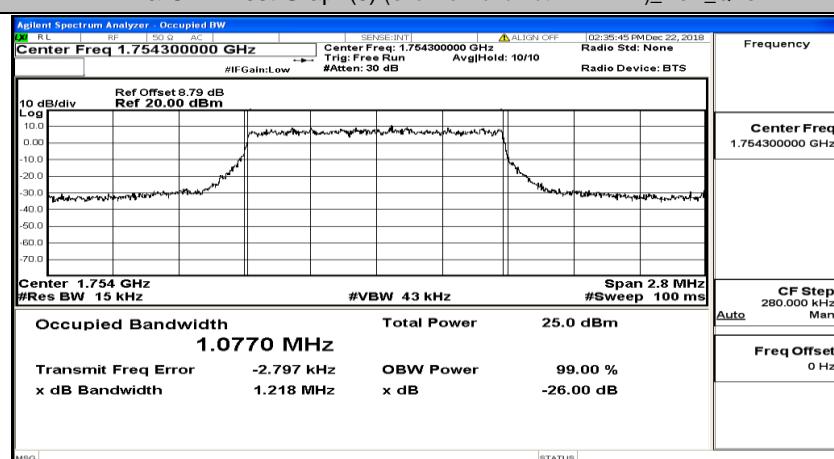
## EBW &amp; OBW Test Graph(s) (Channel Bandwidth: 1.4 MHz)\_LCH\_QPSK



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



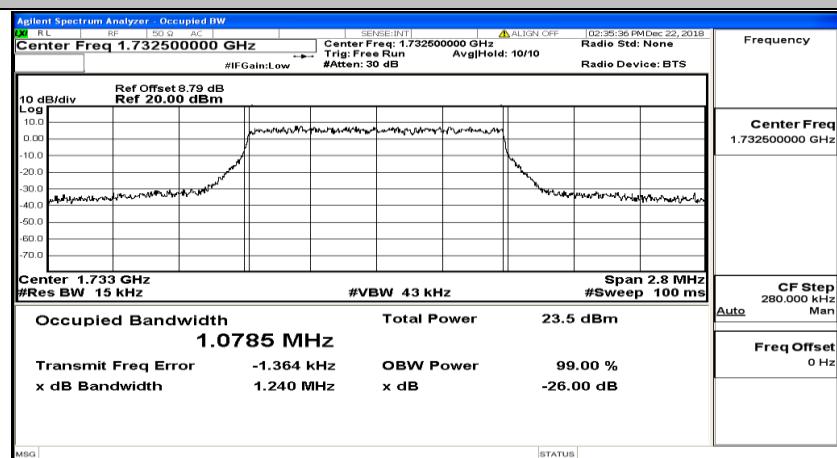
## EBW &amp; OBW Test Graph(s) (Channel Bandwidth: 1.4 MHz)\_HCH\_QPSK



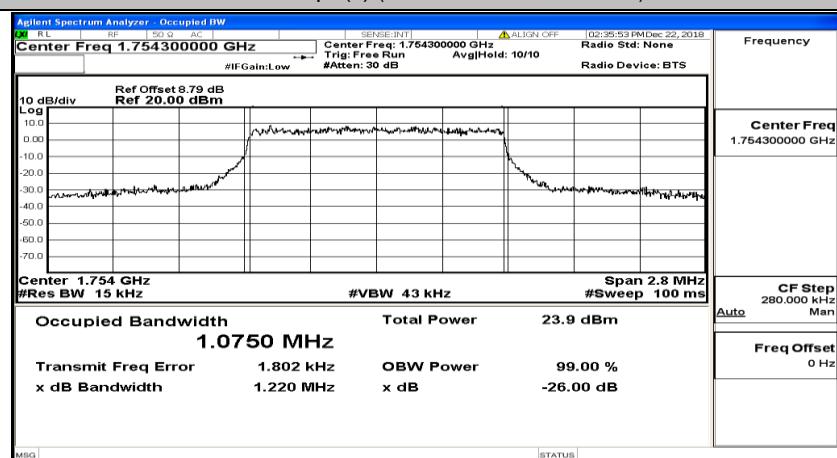
## EBW &amp; OBW Test Graph(s) (Channel Bandwidth: 1.4 MHz)\_LCH\_16QAM



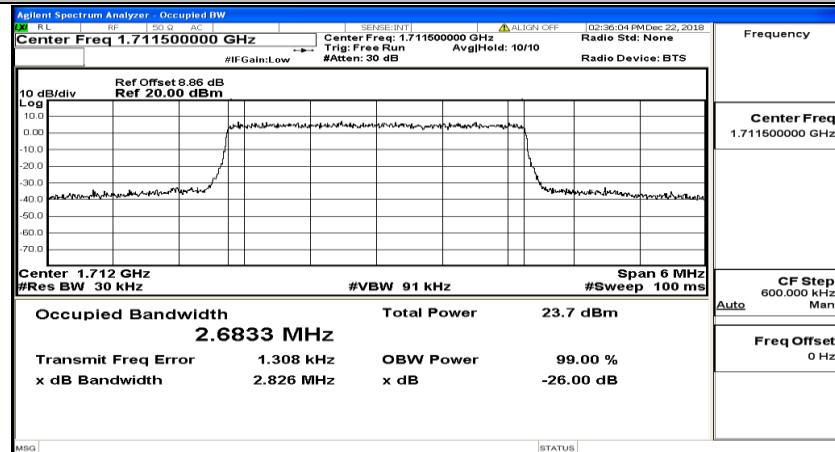
## EBW &amp; OBW Test Graph(s) (Channel Bandwidth: 1.4 MHz)\_MCH\_16QAM



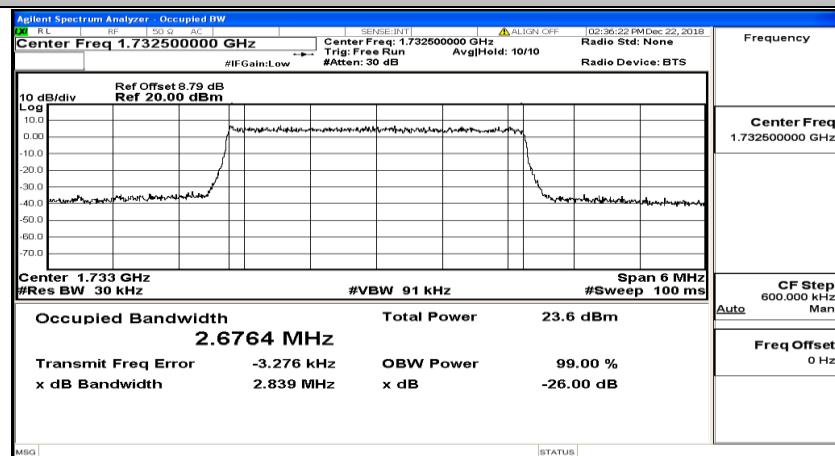
## EBW &amp; OBW Test Graph(s) (Channel Bandwidth: 1.4 MHz)\_HCH\_16QAM



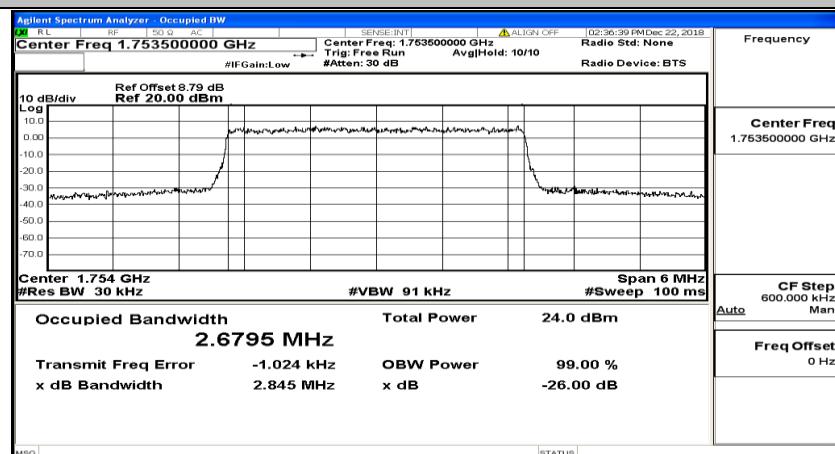
## EBW &amp; OBW Test Graph(s) (Channel Bandwidth: 3 MHz)\_LCH\_QPSK



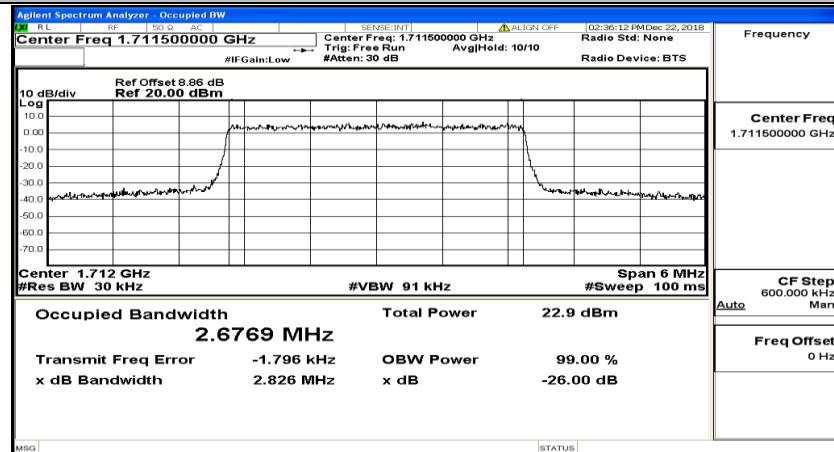
## EBW &amp; OBW Test Graph(s) (Channel Bandwidth: 3 MHz)\_MCH\_QPSK



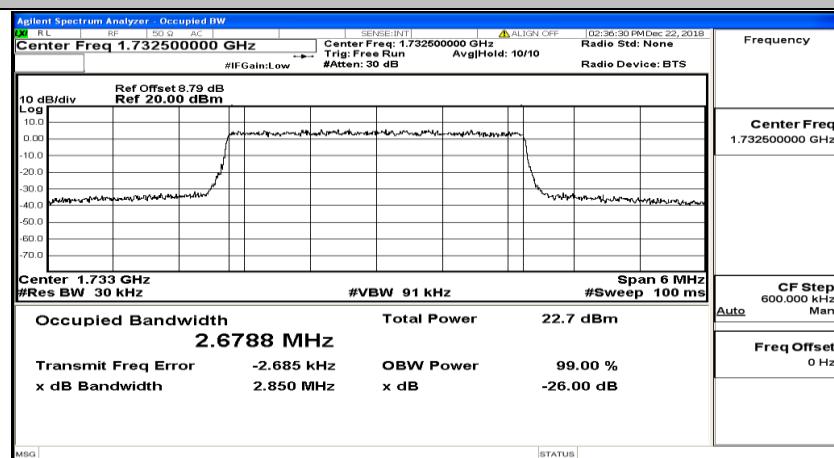
## EBW &amp; OBW Test Graph(s) (Channel Bandwidth: 3 MHz)\_HCH\_QPSK



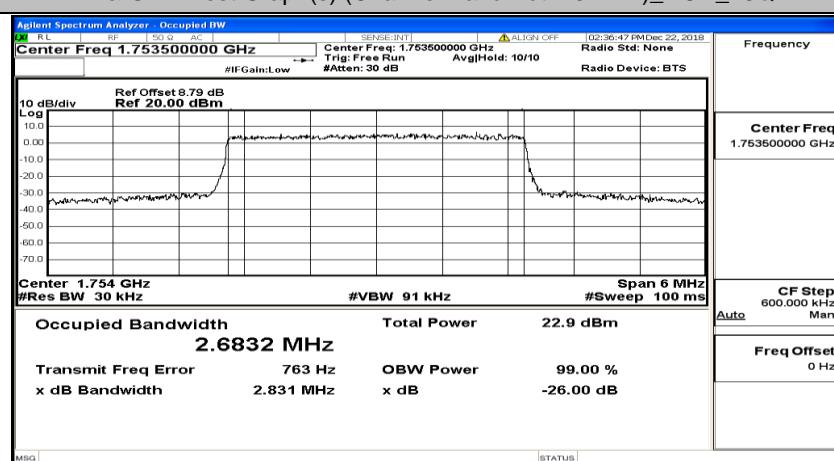
## EBW &amp; OBW Test Graph(s) (Channel Bandwidth: 3 MHz)\_LCH\_16QAM



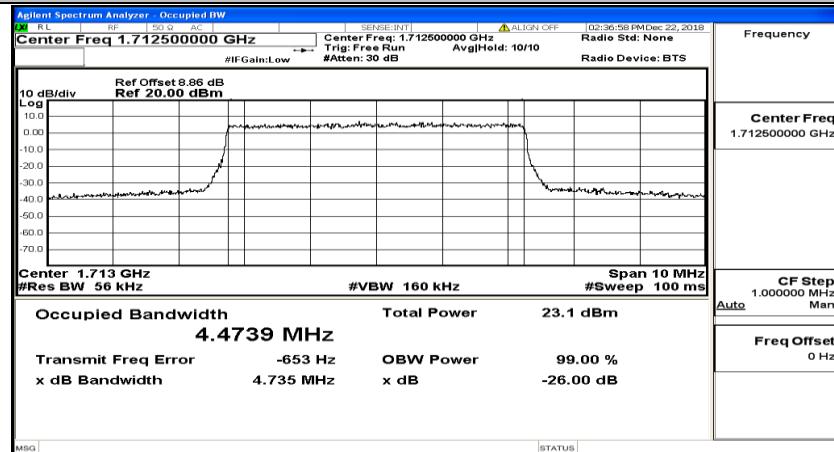
## EBW &amp; OBW Test Graph(s) (Channel Bandwidth: 3 MHz)\_MCH\_16QAM



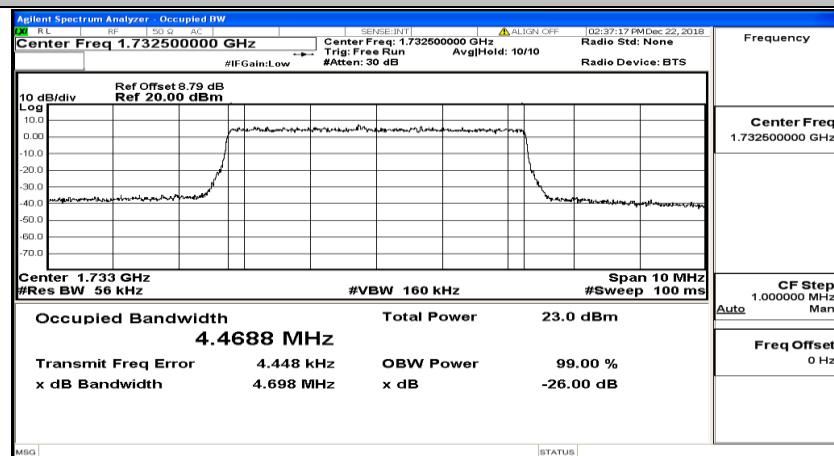
## EBW &amp; OBW Test Graph(s) (Channel Bandwidth: 3 MHz)\_HCH\_16QAM



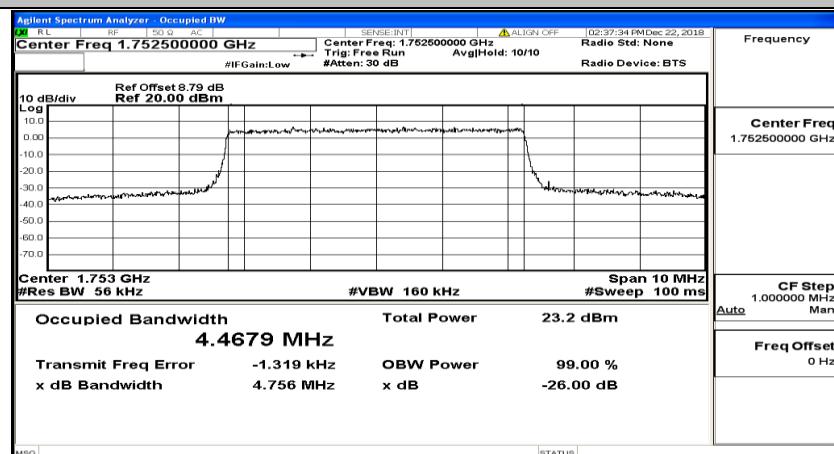
## EBW &amp; OBW Test Graph(s) (Channel Bandwidth: 5 MHz)\_LCH\_QPSK



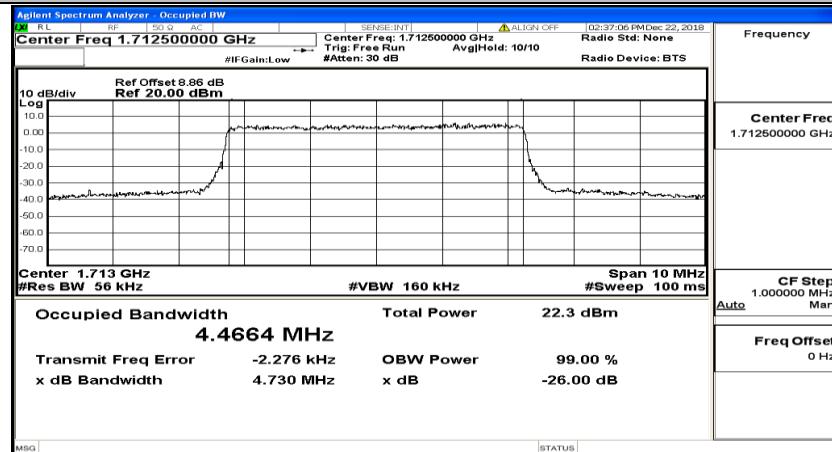
## EBW &amp; OBW Test Graph(s) (Channel Bandwidth: 5 MHz)\_MCH\_QPSK



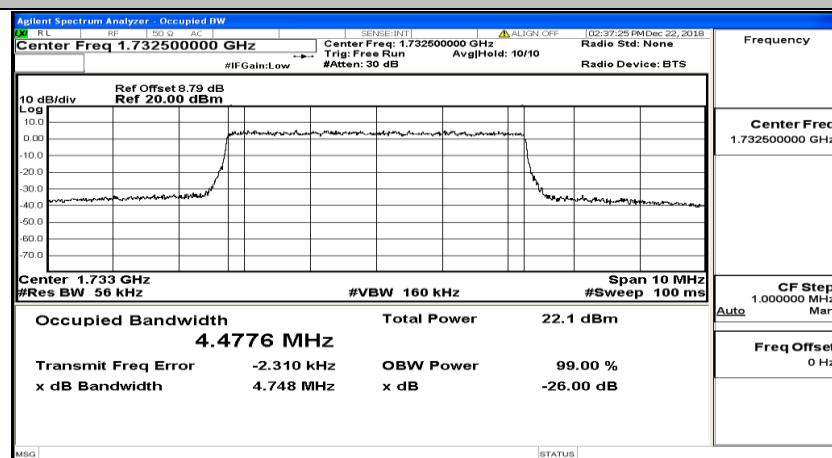
## EBW &amp; OBW Test Graph(s) (Channel Bandwidth: 5 MHz)\_HCH\_QPSK



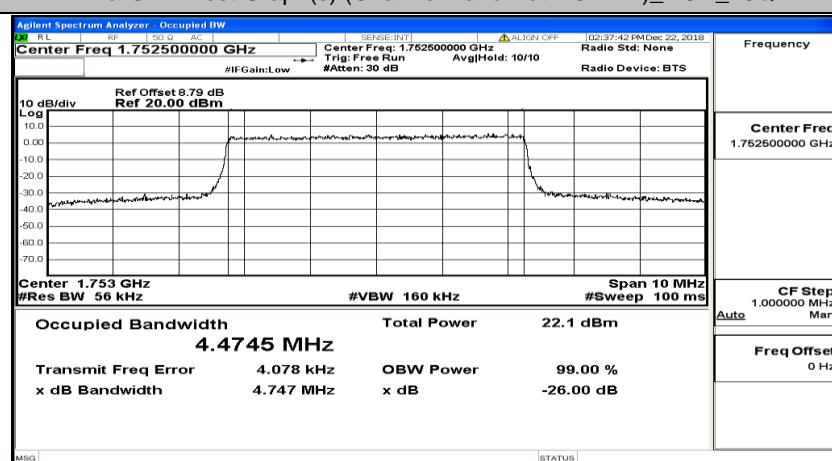
## EBW &amp; OBW Test Graph(s) (Channel Bandwidth: 5 MHz)\_LCH\_16QAM



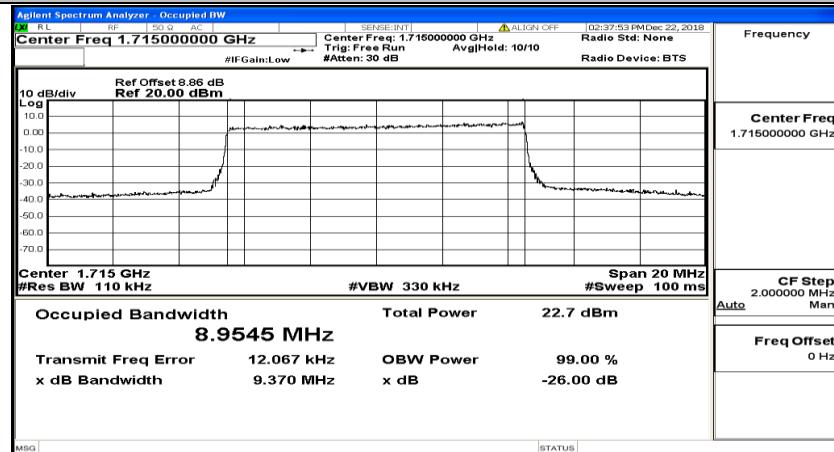
## EBW &amp; OBW Test Graph(s) (Channel Bandwidth: 5 MHz)\_MCH\_16QAM



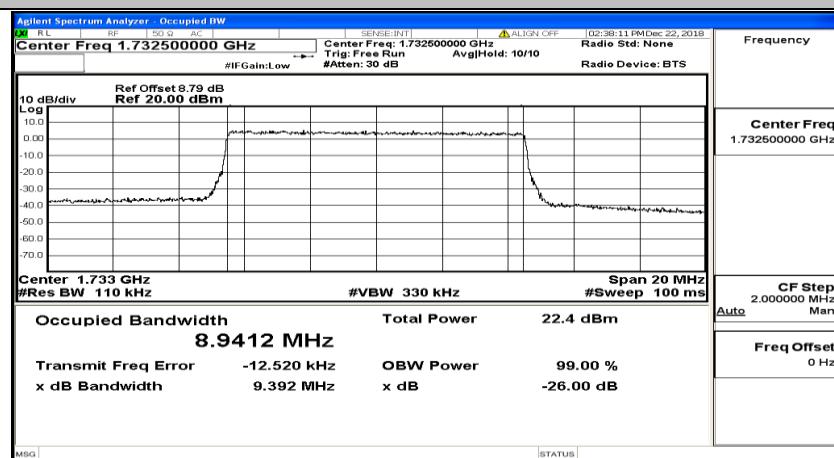
## EBW &amp; OBW Test Graph(s) (Channel Bandwidth: 5 MHz)\_HCH\_16QAM



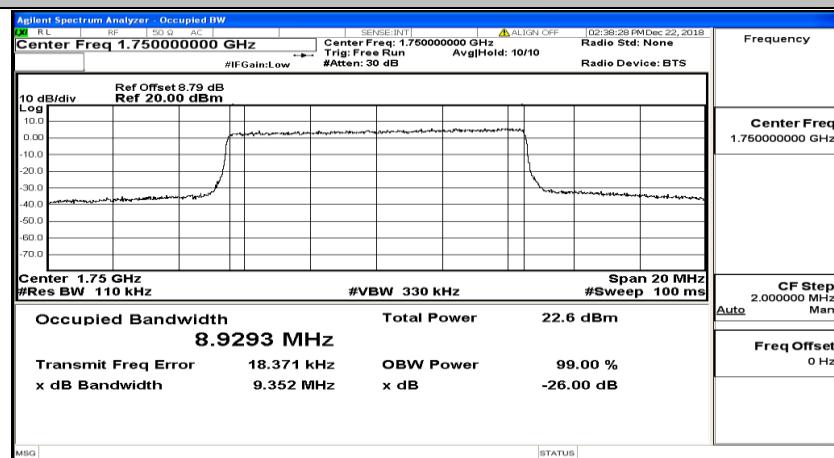
## EBW &amp; OBW Test Graph(s) (Channel Bandwidth: 10 MHz)\_LCH\_QPSK



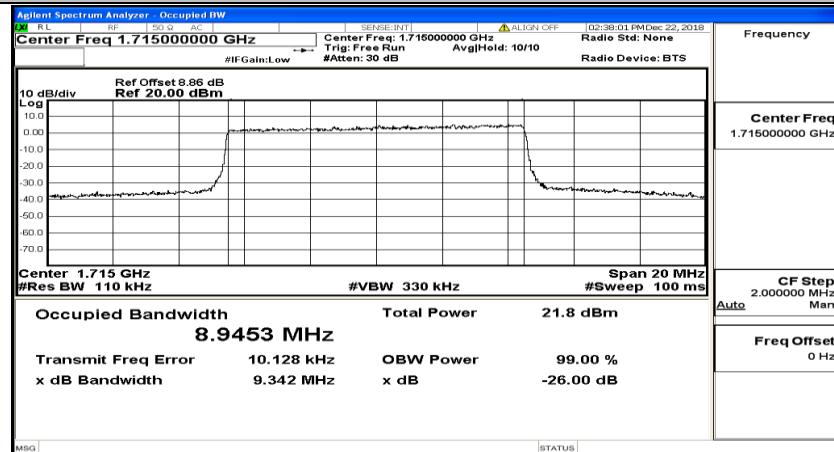
## EBW &amp; OBW Test Graph(s) (Channel Bandwidth: 10 MHz)\_MCH\_QPSK



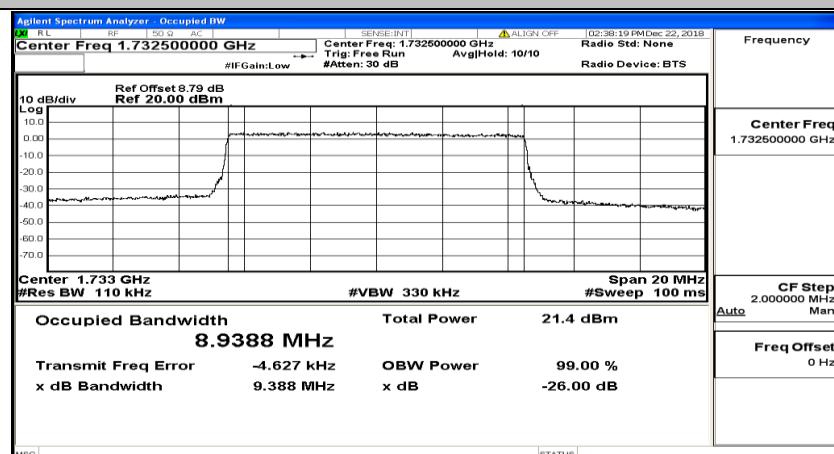
## EBW &amp; OBW Test Graph(s) (Channel Bandwidth: 10 MHz)\_HCH\_QPSK



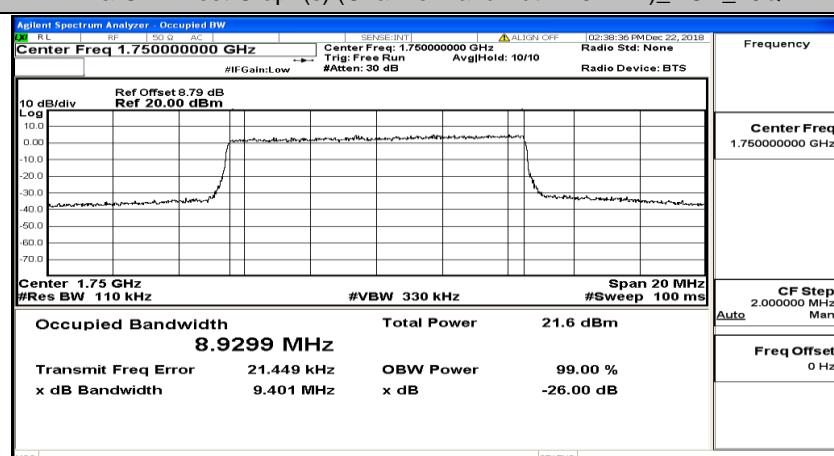
## EBW &amp; OBW Test Graph(s) (Channel Bandwidth: 10 MHz)\_LCH\_16QAM



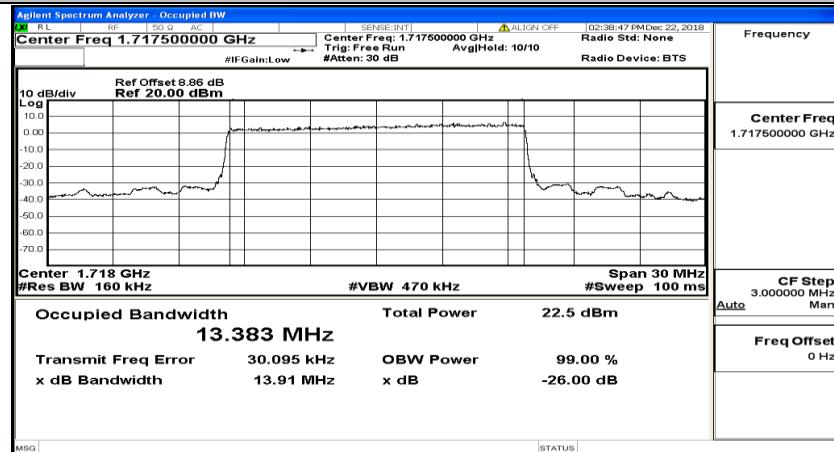
## EBW &amp; OBW Test Graph(s) (Channel Bandwidth: 10 MHz)\_MCH\_16QAM



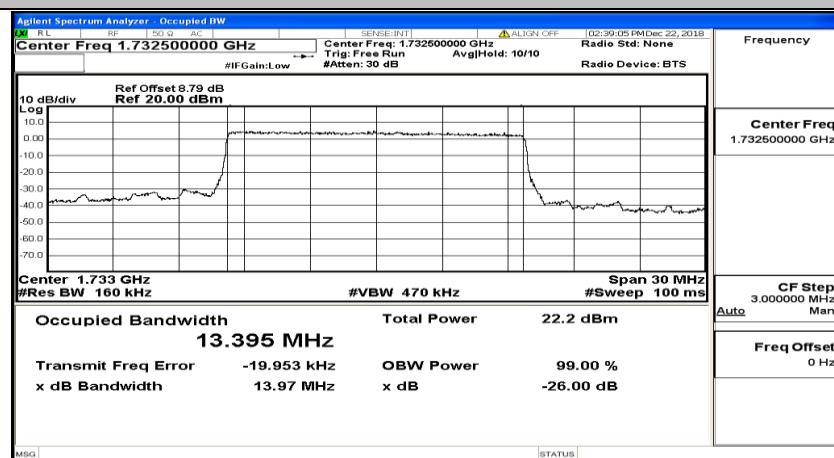
## EBW &amp; OBW Test Graph(s) (Channel Bandwidth: 10 MHz)\_HCH\_16QAM



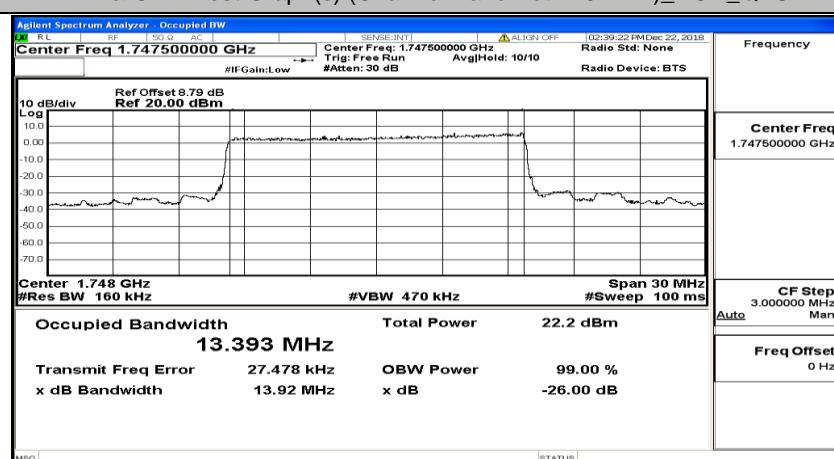
## EBW &amp; OBW Test Graph(s) (Channel Bandwidth:15 MHz)\_LCH\_QPSK



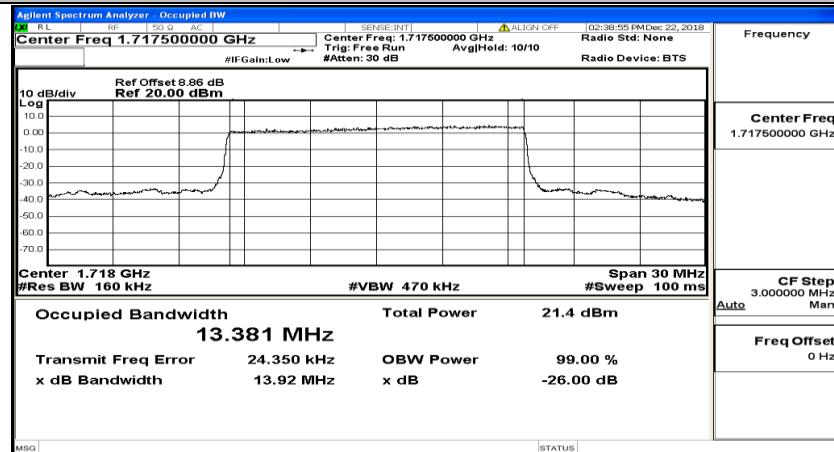
## EBW &amp; OBW Test Graph(s) (Channel Bandwidth:15 MHz)\_MCH\_QPSK



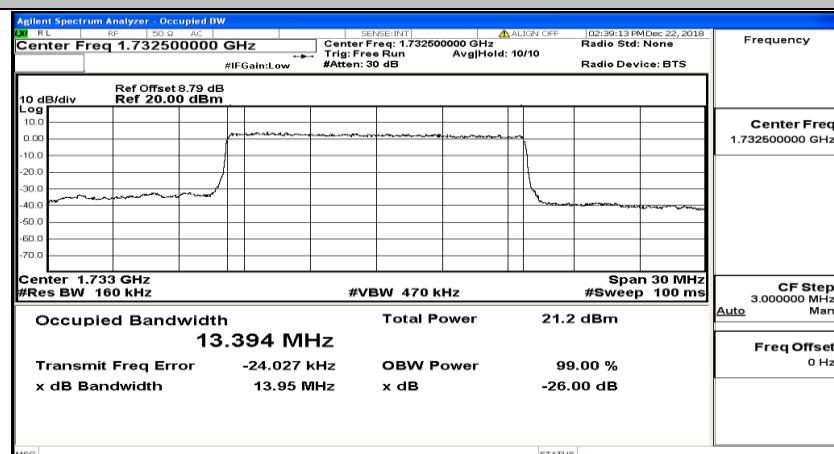
## EBW &amp; OBW Test Graph(s) (Channel Bandwidth:15 MHz)\_HCH\_QPSK



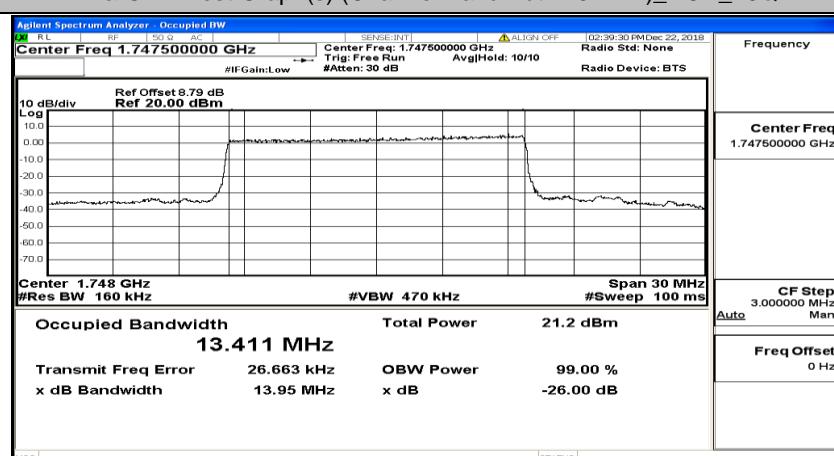
## EBW &amp; OBW Test Graph(s) (Channel Bandwidth:15 MHz)\_LCH\_16QAM



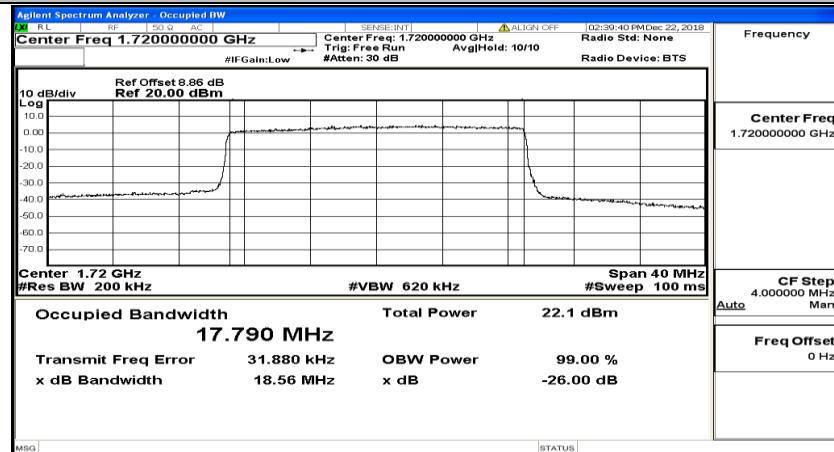
## EBW &amp; OBW Test Graph(s) (Channel Bandwidth:15 MHz)\_MCH\_16QAM



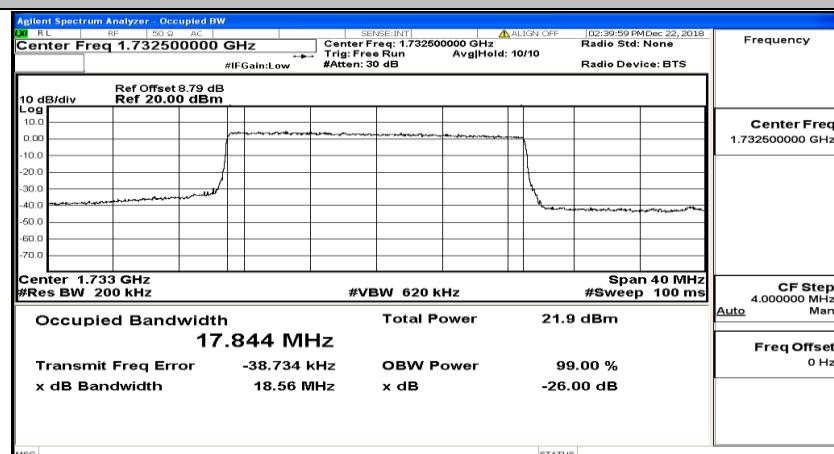
## EBW &amp; OBW Test Graph(s) (Channel Bandwidth:15 MHz)\_HCH\_16QAM



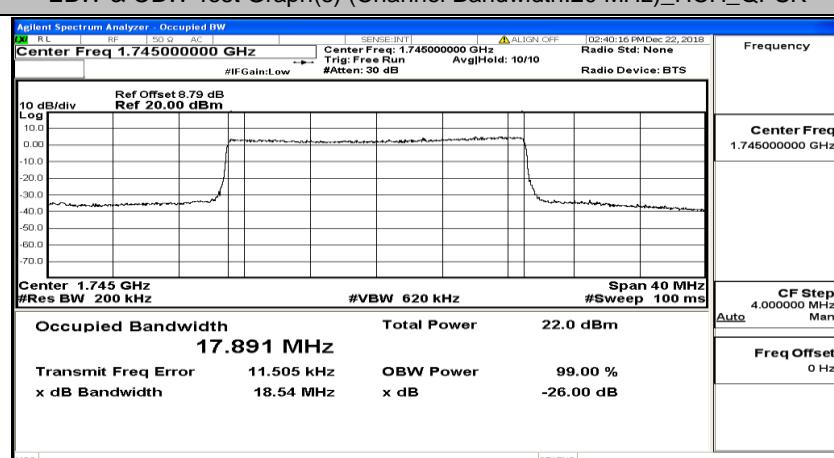
## EBW &amp; OBW Test Graph(s) (Channel Bandwidth:20 MHz)\_LCH\_QPSK



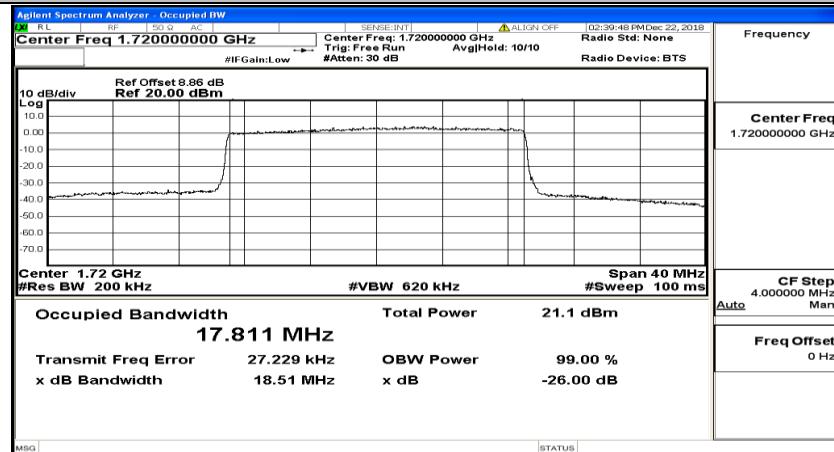
## EBW &amp; OBW Test Graph(s) (Channel Bandwidth:20 MHz)\_MCH\_QPSK



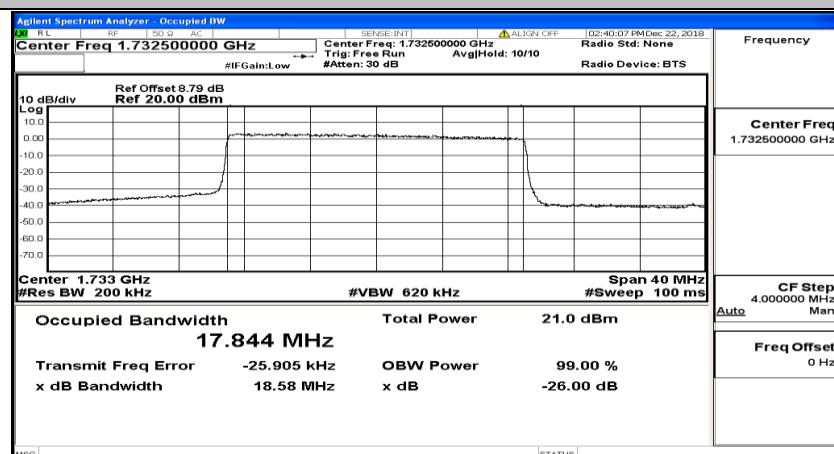
## EBW &amp; OBW Test Graph(s) (Channel Bandwidth:20 MHz)\_HCH\_QPSK



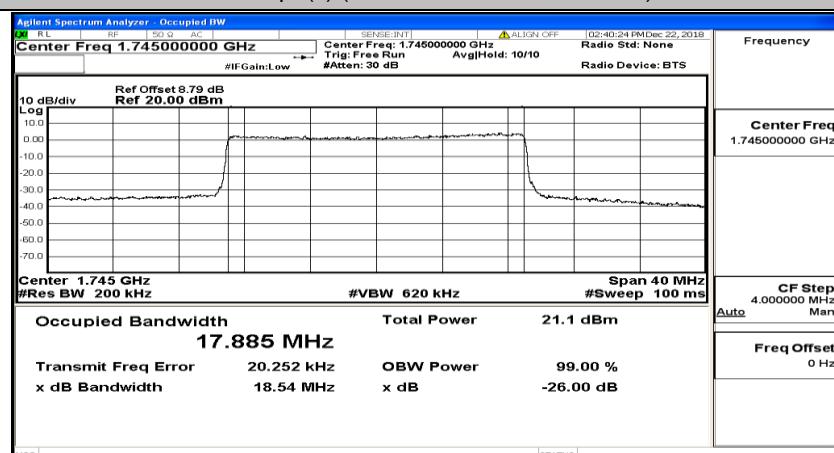
## EBW &amp; OBW Test Graph(s) (Channel Bandwidth:20 MHz)\_LCH\_16QAM



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

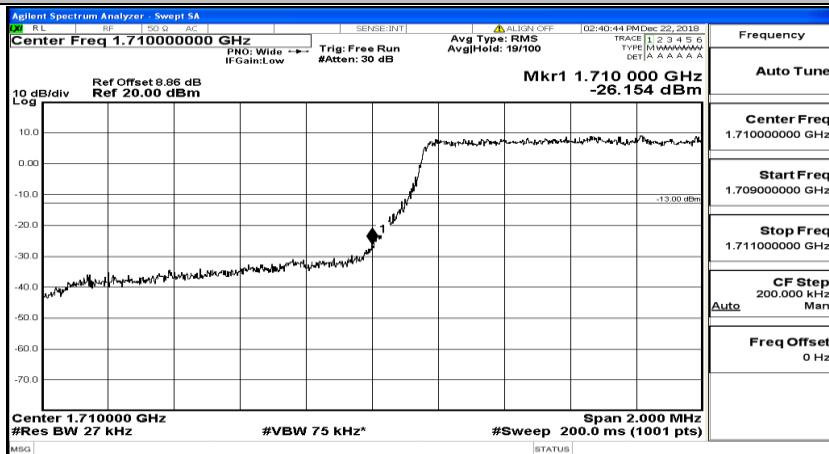


## EBW &amp; OBW Test Graph(s) (Channel Bandwidth:20 MHz)\_HCH\_16QAM

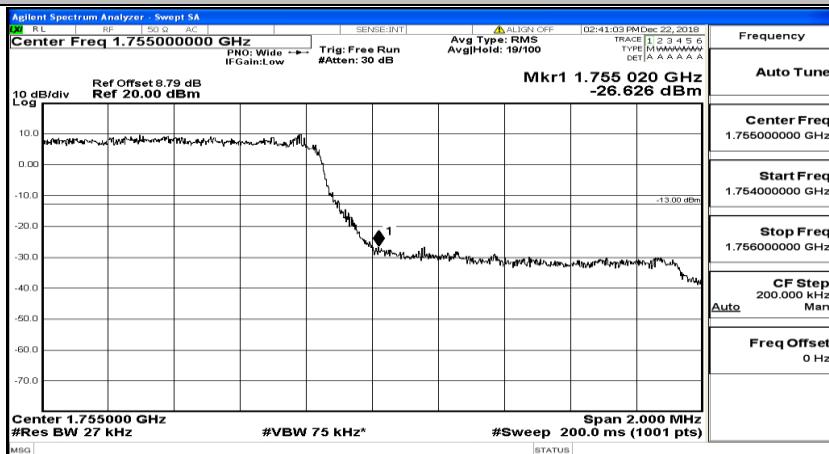


## D.4 Band Edge

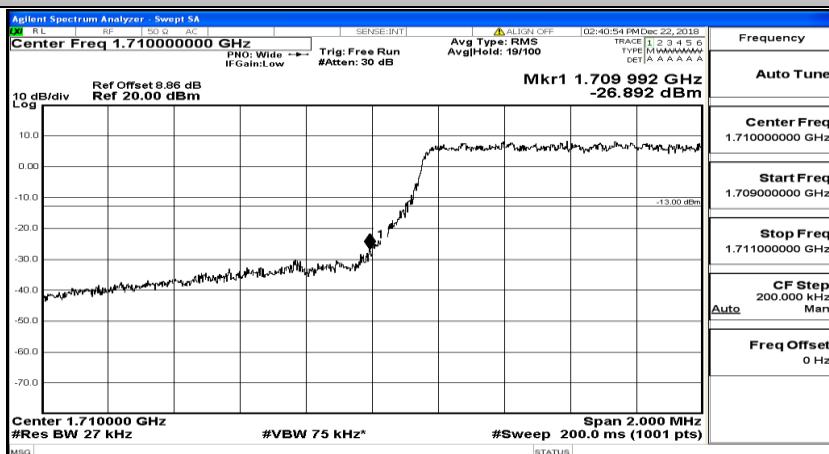
Band Edge Test Graph(s) (Channel Bandwidth: 1.4 MHz)\_LCH\_QPSK



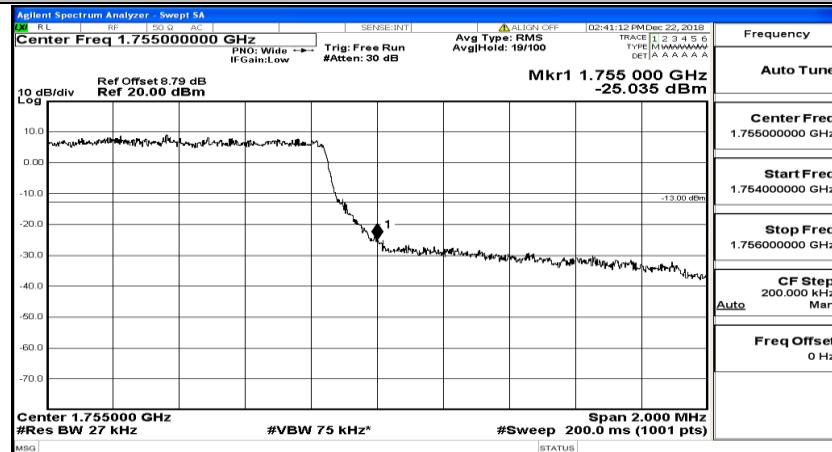
Band Edge Test Graph(s) (Channel Bandwidth: 1.4 MHz)\_HCH\_QPSK



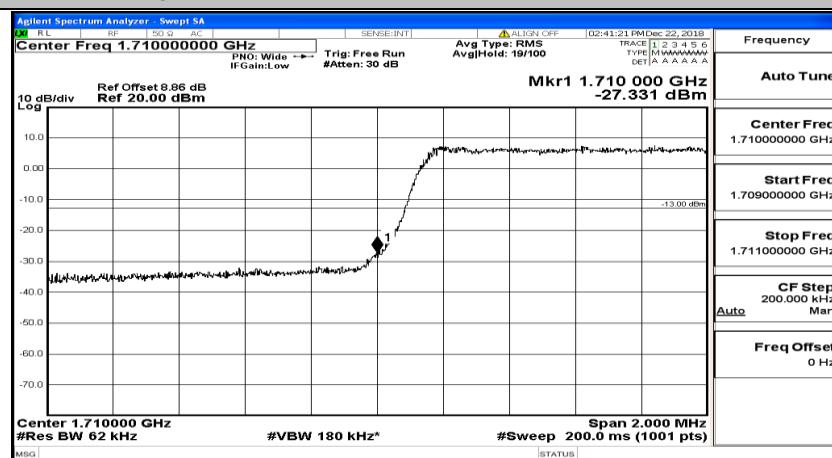
Band Edge Test Graph(s) (Channel Bandwidth: 1.4 MHz)\_LCH\_16QAM



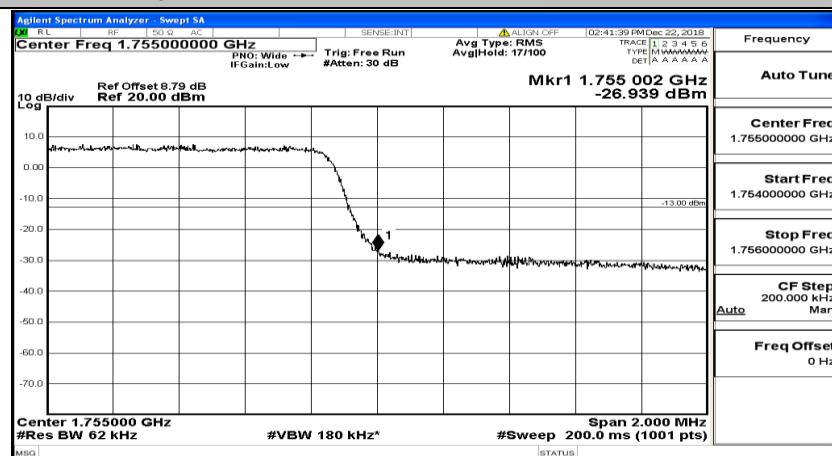
## Band Edge Test Graph(s) (Channel Bandwidth: 1.4 MHz)\_HCH\_16QAM



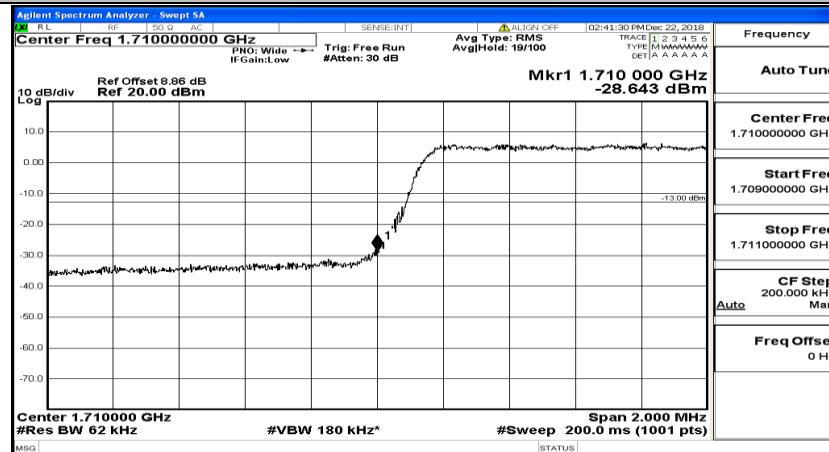
## Band Edge Test Graph(s) (Channel Bandwidth: 3 MHz)\_LCH\_QPSK



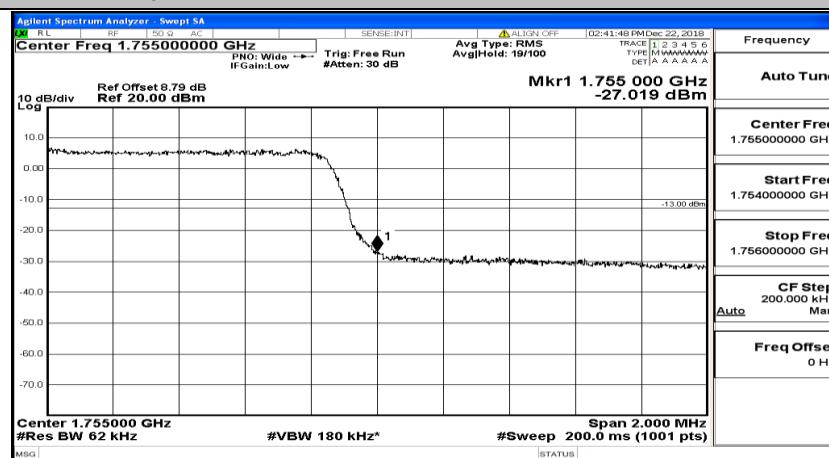
## Band Edge Test Graph(s) (Channel Bandwidth: 3 MHz)\_HCH\_QPSK



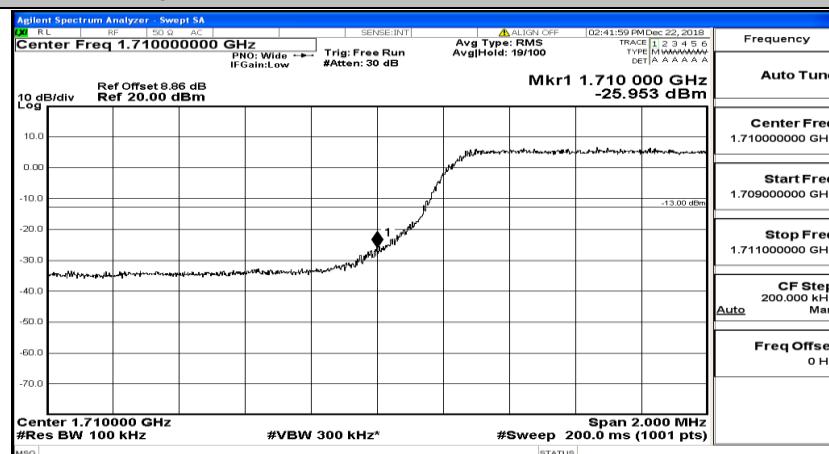
## Band Edge Test Graph(s) (Channel Bandwidth: 3 MHz)\_LCH\_16QAM



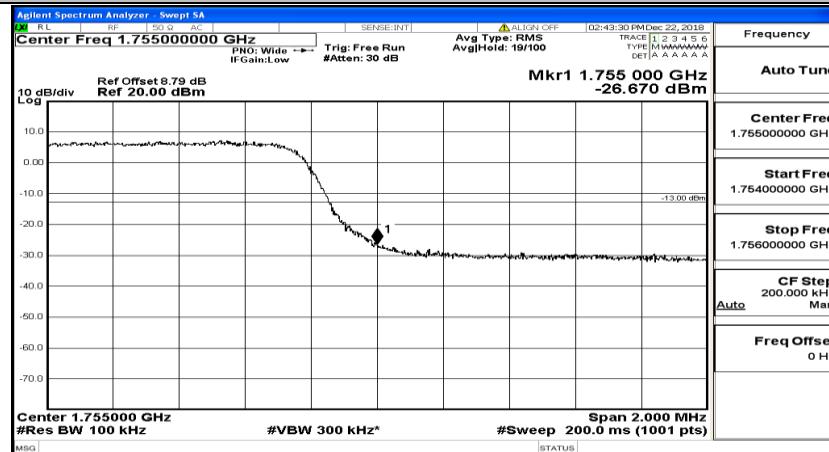
## Band Edge Test Graph(s) (Channel Bandwidth: 3 MHz)\_HCH\_16QAM



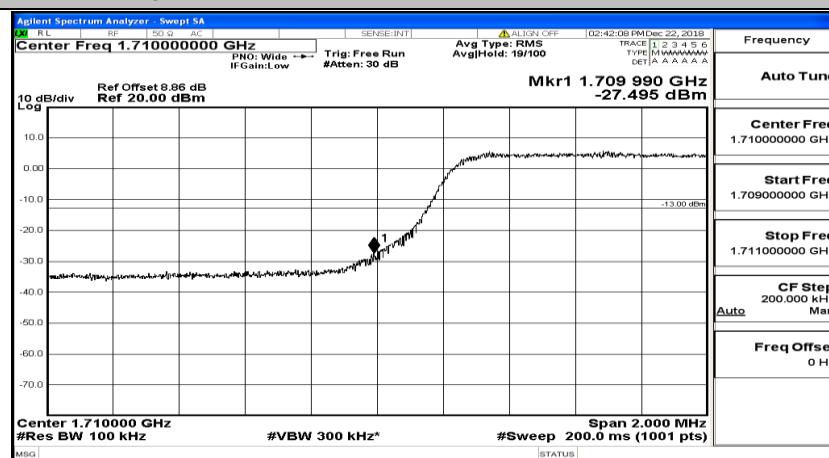
## Band Edge Test Graph(s) (Channel Bandwidth: 5 MHz)\_LCH\_QPSK



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



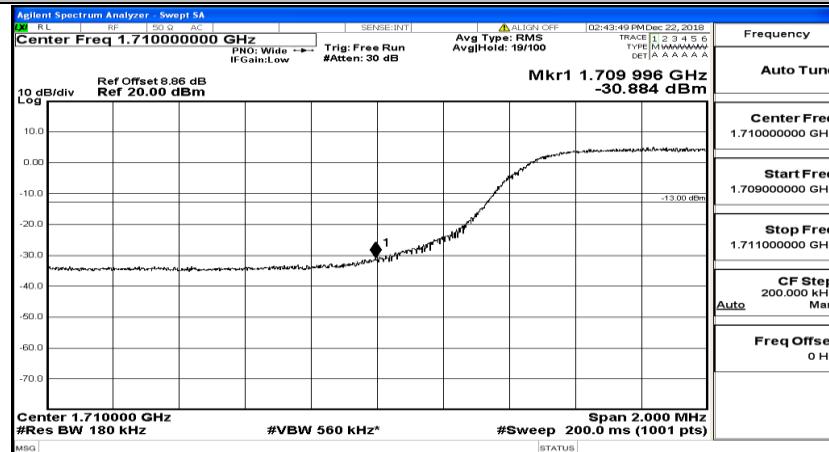
## Band Edge Test Graph(s) (Channel Bandwidth: 5 MHz)\_LCH\_16QAM



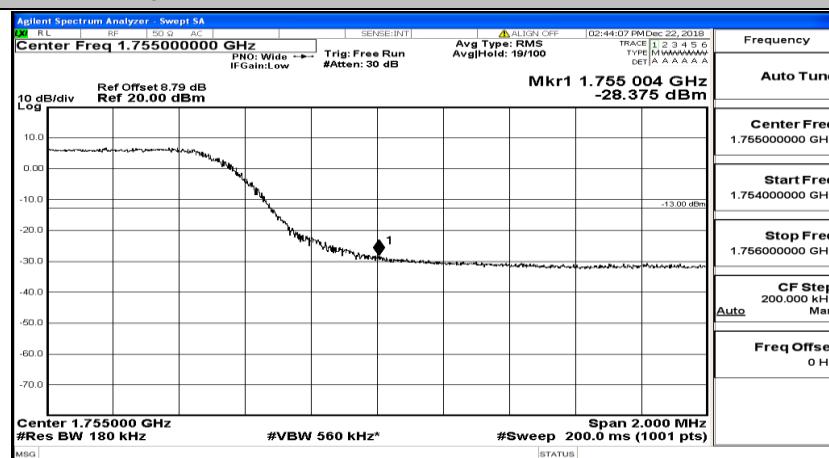
## Band Edge Test Graph(s) (Channel Bandwidth: 5 MHz)\_HCH\_16QAM



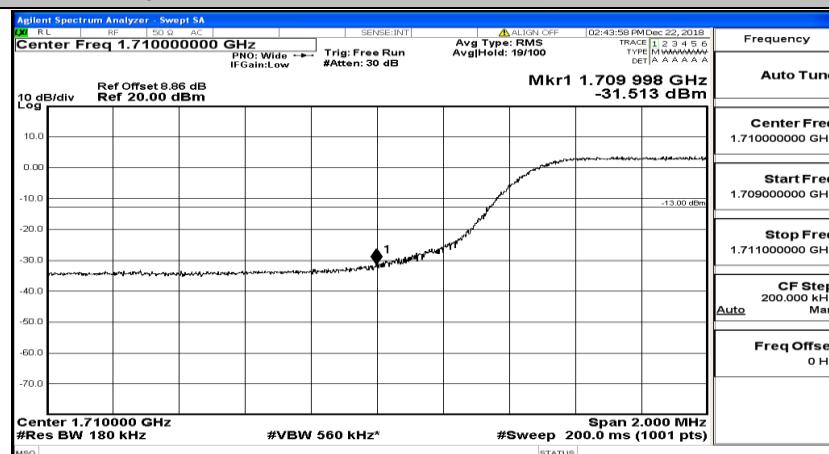
## Band Edge Test Graph(s) (Channel Bandwidth: 10 MHz)\_LCH\_QPSK



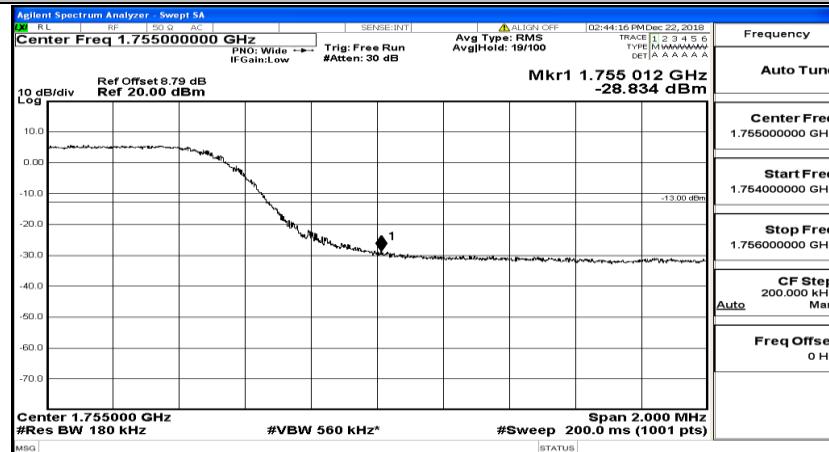
## Band Edge Test Graph(s) (Channel Bandwidth: 10 MHz)\_HCH\_QPSK



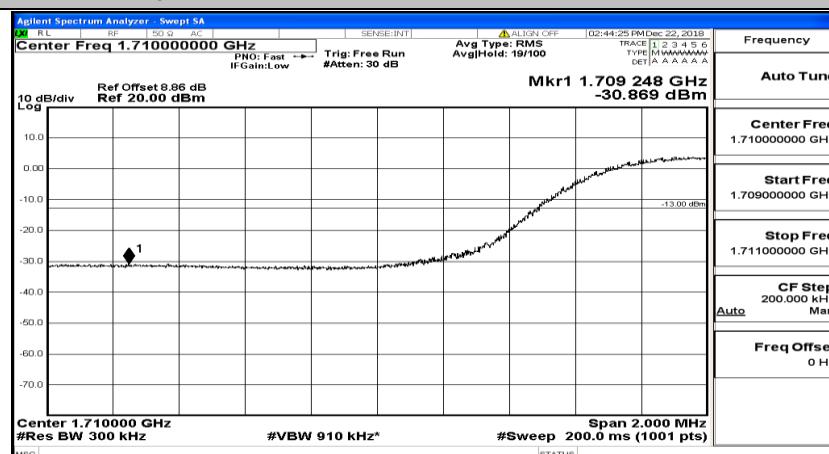
## Band Edge Test Graph(s) (Channel Bandwidth: 10 MHz)\_LCH\_16QAM



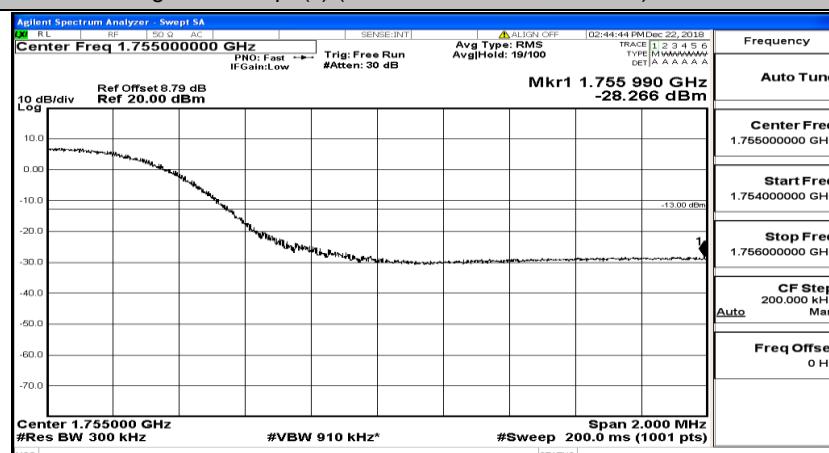
## Band Edge Test Graph(s) (Channel Bandwidth: 10 MHz)\_HCH\_16QAM



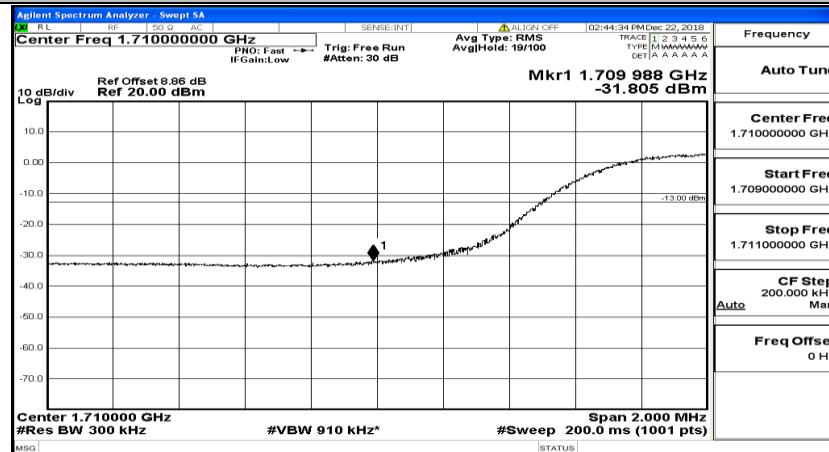
## Band Edge Test Graph(s) (Channel Bandwidth:15 MHz)\_LCH\_QPSK



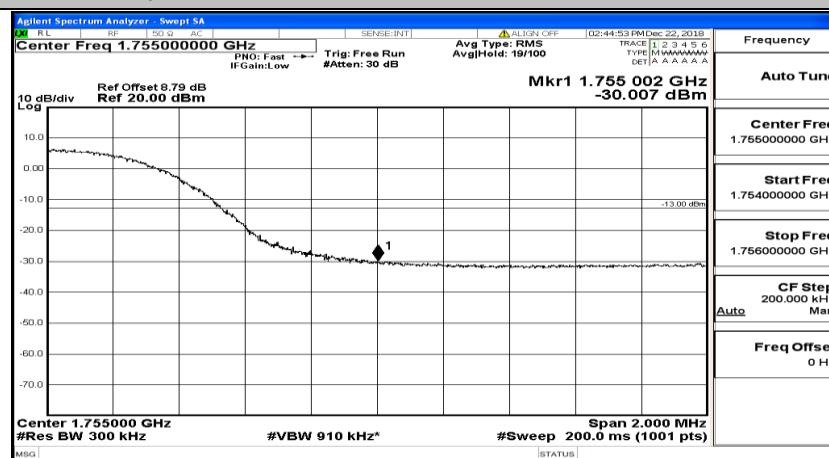
## Band Edge Test Graph(s) (Channel Bandwidth:15 MHz)\_HCH\_QPSK



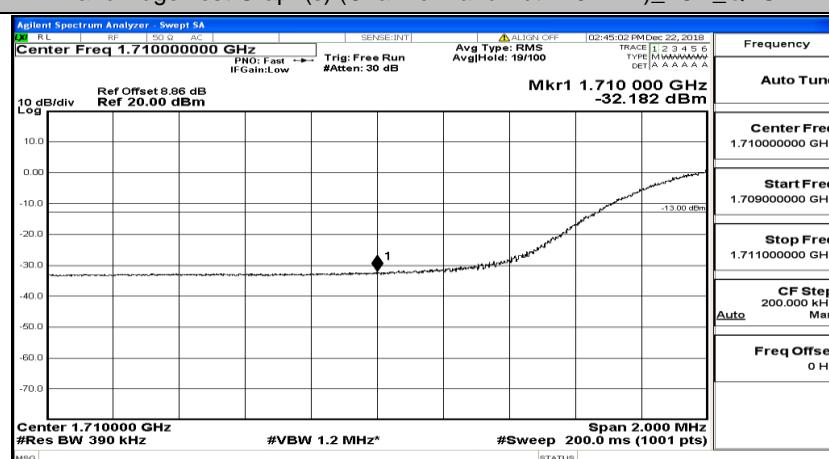
## Band Edge Test Graph(s) (Channel Bandwidth:15 MHz)\_LCH\_16QAM



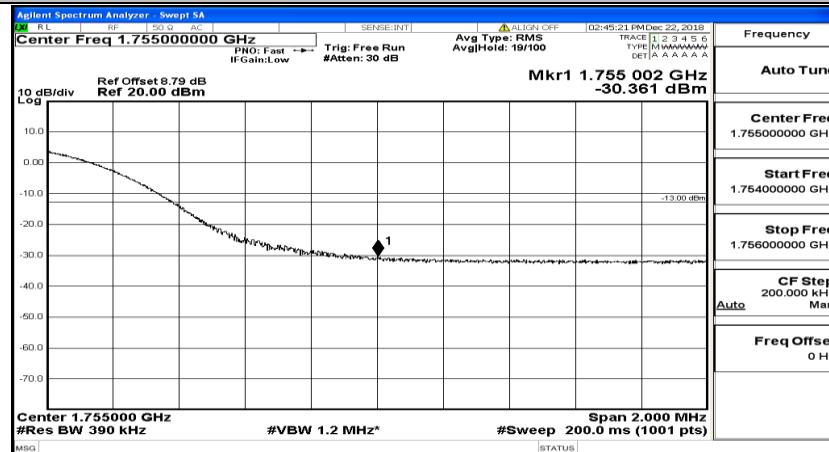
## Band Edge Test Graph(s) (Channel Bandwidth:15 MHz)\_HCH\_16QAM



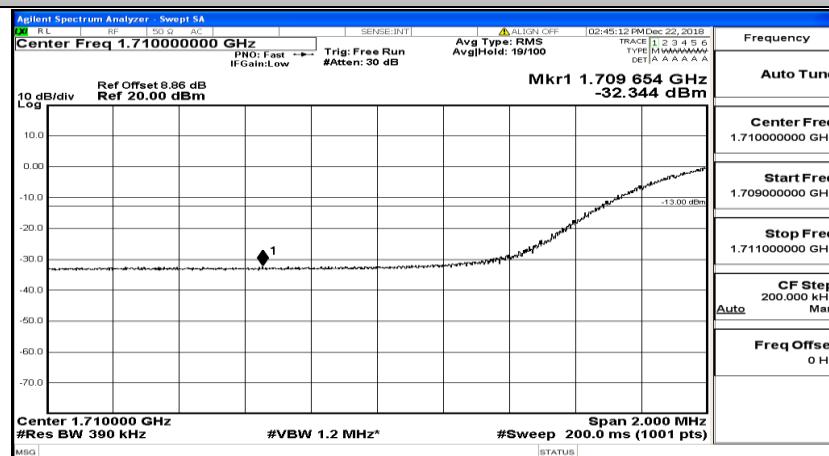
## Band Edge Test Graph(s) (Channel Bandwidth:20 MHz)\_LCH\_QPSK



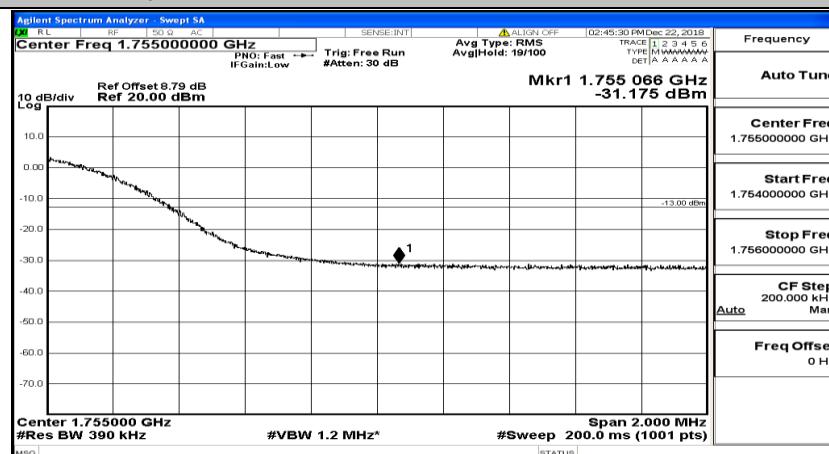
## Band Edge Test Graph(s) (Channel Bandwidth:20 MHz)\_HCH\_QPSK



## 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

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

