

## Appendix C.1: Effective (Isotropic) Radiated Power Output

### Data

#### Test Result

#### Channel Bandwidth: 5 MHz

Channel Bandwidth: 5 MHz						
Modulation	Channel	RB Configuration		Average Power [dBm]	E.i.r.p [dBm]	Verdict
		Size	Offset			
QPSK	LCH	1	0	22.86	/	PASS
		1	12	22.85	/	PASS
		1	24	22.05	/	PASS
		12	0	22.07	/	PASS
		12	6	22.09	/	PASS
		12	13	22.15	/	PASS
		25	0	22.26	/	PASS
	MCH	1	0	23.19	/	PASS
		1	12	23.21	/	PASS
		1	24	22.63	/	PASS
		12	0	22.22	/	PASS
		12	6	22.19	/	PASS
		12	13	22.23	/	PASS
		25	0	22.24	/	PASS
	HCH	1	0	22.32	/	PASS
		1	12	21.80	/	PASS
		1	24	20.59	/	PASS
		12	0	21.96	/	PASS
		12	6	21.63	/	PASS
		12	13	21.05	/	PASS
		25	0	21.48	/	PASS
16QAM	LCH	1	0	22.79	/	PASS
		1	12	22.88	/	PASS
		1	24	22.23	/	PASS
		12	0	21.42	/	PASS
		12	6	21.37	/	PASS
		12	13	21.39	/	PASS
		25	0	21.25	/	PASS
	MCH	1	0	21.63	/	PASS
		1	12	21.72	/	PASS
		1	24	21.61	/	PASS

		12	0	21.46	/	PASS
		12	6	21.41	/	PASS
		12	13	21.38	/	PASS
		25	0	21.47	/	PASS
	HCH	1	0	22.14	/	PASS
		1	12	21.73	/	PASS
		1	24	20.63	/	PASS
		12	0	21.27	/	PASS
		12	6	21.22	/	PASS
		12	13	21.20	/	PASS
		25	0	21.20	/	PASS

**Channel Bandwidth: 10 MHz**

Channel Bandwidth: 10 MHz						
Modulation	Channel	RB Configuration		Average Power [dBm]	E.i.r.p [dBm]	Verdict
		Size	Offset			
QPSK	LCH	1	0	22.22	/	PASS
		1	24	21.99	/	PASS
		1	49	22.20	/	PASS
		25	0	22.05	/	PASS
		25	12	21.95	/	PASS
		25	25	22.02	/	PASS
		50	0	22.04	/	PASS
	MCH	1	0	23.01	/	PASS
		1	24	23.06	/	PASS
		1	49	22.36	/	PASS
		25	0	22.25	/	PASS
		25	12	22.19	/	PASS
		25	25	22.27	/	PASS
		50	0	22.19	/	PASS
	HCH	1	0	22.99	/	PASS
		1	24	22.61	/	PASS
		1	49	21.03	/	PASS
		25	0	22.11	/	PASS
		25	12	22.02	/	PASS
		25	25	21.85	/	PASS
		50	0	21.96	/	PASS
16QAM	LCH	1	0	22.30	/	PASS
		1	24	22.17	/	PASS
		1	49	22.42	/	PASS
		25	0	21.33	/	PASS
		25	12	21.24	/	PASS

		25	25	21.20	/	PASS
		50	0	21.31	/	PASS
	MCH	1	0	23.12	/	PASS
		1	24	23.15	/	PASS
		1	49	22.55	/	PASS
		25	0	21.27	/	PASS
		25	12	21.29	/	PASS
		25	25	21.22	/	PASS
		50	0	21.30	/	PASS
		HCH	1	0	22.53	/
	1		24	22.57	/	PASS
	1		49	21.30	/	PASS
	25		0	21.16	/	PASS
	25		12	21.16	/	PASS
	25		25	21.18	/	PASS
	50		0	21.25	/	PASS

**Channel Bandwidth: 15 MHz**

Channel Bandwidth: 15 MHz						
Modulation	Channel	RB Configuration		Average Power [dBm]	E.i.r.p [dBm]	Verdict
		Size	Offset			
QPSK	LCH	1	0	22.25	/	PASS
		1	37	21.99	/	PASS
		1	74	22.87	/	PASS
		37	0	21.96	/	PASS
		37	18	21.89	/	PASS
		37	38	22.13	/	PASS
		75	0	22.03	/	PASS
	MCH	1	0	22.93	/	PASS
		1	37	23.03	/	PASS
		1	74	21.79	/	PASS
		37	0	22.23	/	PASS
		37	18	22.20	/	PASS
		37	38	22.17	/	PASS
		75	0	22.19	/	PASS
	HCH	1	0	22.99	/	PASS
		1	37	23.10	/	PASS
		1	74	20.80	/	PASS
		37	0	22.00	/	PASS
		37	18	22.08	/	PASS
		37	38	22.06	/	PASS
		75	0	21.99	/	PASS

16QAM	LCH	1	0	22.27	/	PASS
		1	37	22.16	/	PASS
		1	74	23.05	/	PASS
		37	0	21.30	/	PASS
		37	18	21.22	/	PASS
		37	38	21.26	/	PASS
		75	0	21.29	/	PASS
	MCH	1	0	23.01	/	PASS
		1	37	23.12	/	PASS
		1	74	22.05	/	PASS
		37	0	21.31	/	PASS
		37	18	21.40	/	PASS
		37	38	21.42	/	PASS
		75	0	21.32	/	PASS
	HCH	1	0	22.88	/	PASS
		1	37	22.92	/	PASS
		1	74	21.04	/	PASS
		37	0	21.09	/	PASS
		37	18	21.08	/	PASS
		37	38	21.16	/	PASS
		75	0	21.17	/	PASS

**Channel Bandwidth: 20 MHz**

Channel Bandwidth: 20 MHz						
Modulation	Channel	RB Configuration		Average Power [dBm]	E.i.r.p [dBm]	Verdict
		Size	Offset			
QPSK	LCH	1	0	22.37	/	PASS
		1	49	22.34	/	PASS
		1	99	23.32	/	PASS
		50	0	21.90	/	PASS
		50	25	22.11	/	PASS
		50	50	22.09	/	PASS
		100	0	22.10	/	PASS
	MCH	1	0	23.30	/	PASS
		1	49	23.24	/	PASS
		1	99	22.28	/	PASS
		50	0	22.24	/	PASS
		50	25	22.22	/	PASS
		50	50	22.26	/	PASS
		100	0	22.25	/	PASS
	HCH	1	0	22.20	/	PASS
		1	49	23.19	/	PASS

		1	99	21.42	/	PASS
		50	0	21.96	/	PASS
		50	25	21.98	/	PASS
		50	50	22.06	/	PASS
		100	0	22.01	/	PASS
16QAM	LCH	1	0	22.33	/	PASS
		1	49	22.39	/	PASS
		1	99	22.65	/	PASS
		50	0	21.21	/	PASS
		50	25	21.29	/	PASS
		50	50	21.14	/	PASS
		100	0	21.20	/	PASS
	MCH	1	0	22.17	/	PASS
		1	49	22.33	/	PASS
		1	99	22.31	/	PASS
		50	0	21.28	/	PASS
		50	25	21.36	/	PASS
		50	50	21.37	/	PASS
		100	0	21.39	/	PASS
	HCH	1	0	22.19	/	PASS
		1	49	22.26	/	PASS
		1	99	21.61	/	PASS
		50	0	21.16	/	PASS
		50	25	21.12	/	PASS
		50	50	21.12	/	PASS
		100	0	21.21	/	PASS

## Appendix C.2: Peak-to-Average Ratio

### Test Result

#### Channel Bandwidth: 5 MHz

Channel Bandwidth: 5 MHz						
Modulation	Channel	RB Configuration		Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
		Size	Offset			
QPSK	LCH	1	0	3.38	<13	PASS
		25	0	4.66	<13	PASS
	MCH	1	0	2.22	<13	PASS
		25	0	4.23	<13	PASS
	HCH	1	0	2.94	<13	PASS
		25	0	4.55	<13	PASS
16QAM	LCH	1	0	3.54	<13	PASS
		25	0	5.4	<13	PASS
	MCH	1	0	3.43	<13	PASS
		25	0	4.94	<13	PASS
	HCH	1	0	3.13	<13	PASS
		25	0	4.86	<13	PASS

#### Channel Bandwidth: 10 MHz

Channel Bandwidth: 10 MHz						
Modulation	Channel	RB Configuration		Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
		Size	Offset			
QPSK	LCH	1	0	3.46	<13	PASS
		50	0	5.02	<13	PASS
	MCH	1	0	2.09	<13	PASS
		50	0	4.64	<13	PASS
	HCH	1	0	1.86	<13	PASS
		50	0	4.43	<13	PASS
16QAM	LCH	1	0	3.53	<13	PASS
		50	0	5.81	<13	PASS
	MCH	1	0	2.19	<13	PASS
		50	0	5.27	<13	PASS
	HCH	1	0	2.23	<13	PASS
		50	0	5.09	<13	PASS

**Channel Bandwidth: 15 MHz**

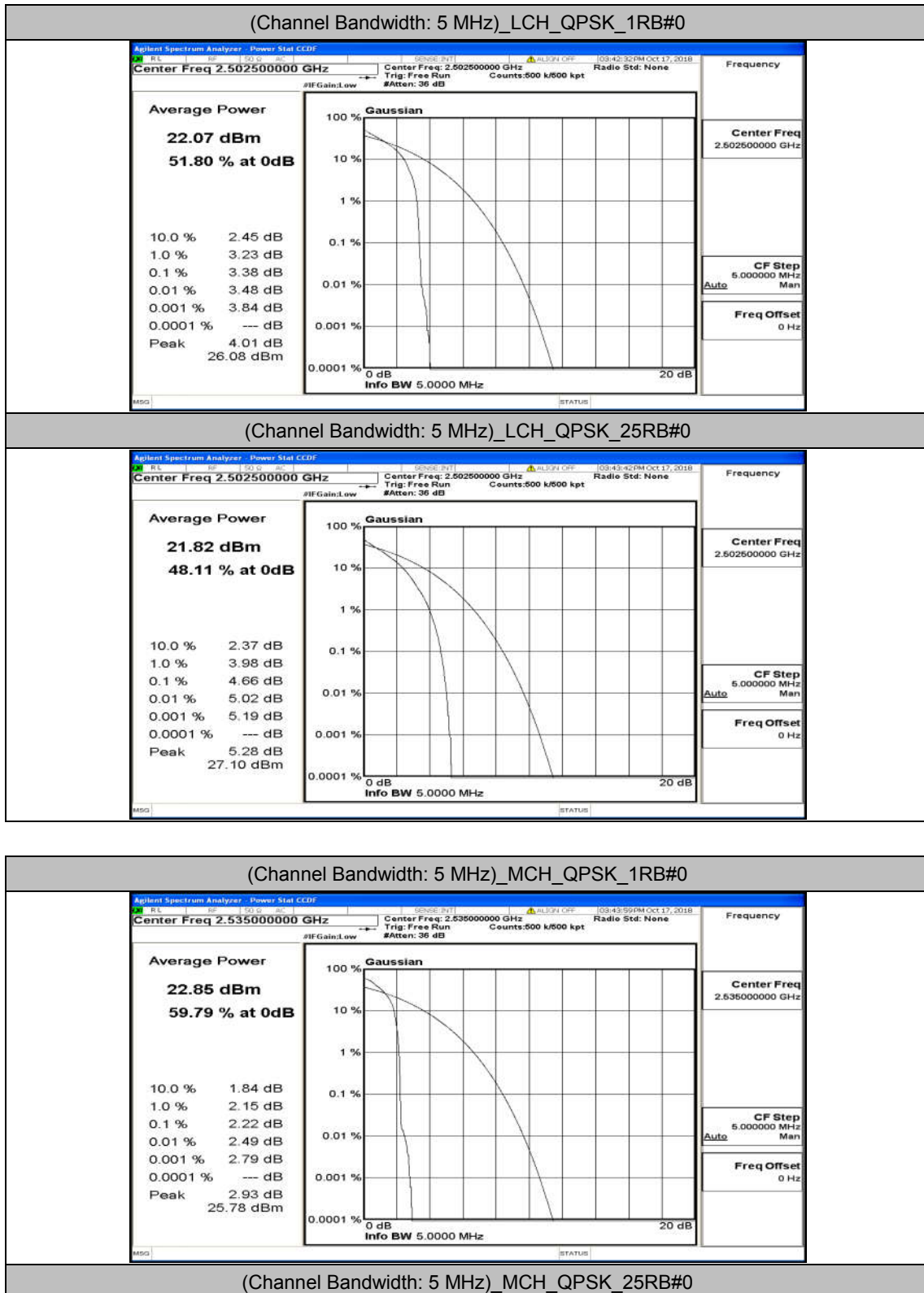
Channel Bandwidth: 15 MHz						
Modulation	Channel	RB Configuration		Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
		Size	Offset			
QPSK	LCH	1	0	4.31	<13	PASS
		75	0	5.03	<13	PASS
	MCH	1	0	4.15	<13	PASS
		75	0	4.98	<13	PASS
	HCH	1	0	4.36	<13	PASS
		75	0	4.78	<13	PASS
16QAM	LCH	1	0	3.05	<13	PASS
		75	0	6.28	<13	PASS
	MCH	1	0	3.56	<13	PASS
		75	0	6.05	<13	PASS
	HCH	1	0	1.36	<13	PASS
		75	0	5.65	<13	PASS

**Channel Bandwidth: 20 MHz**

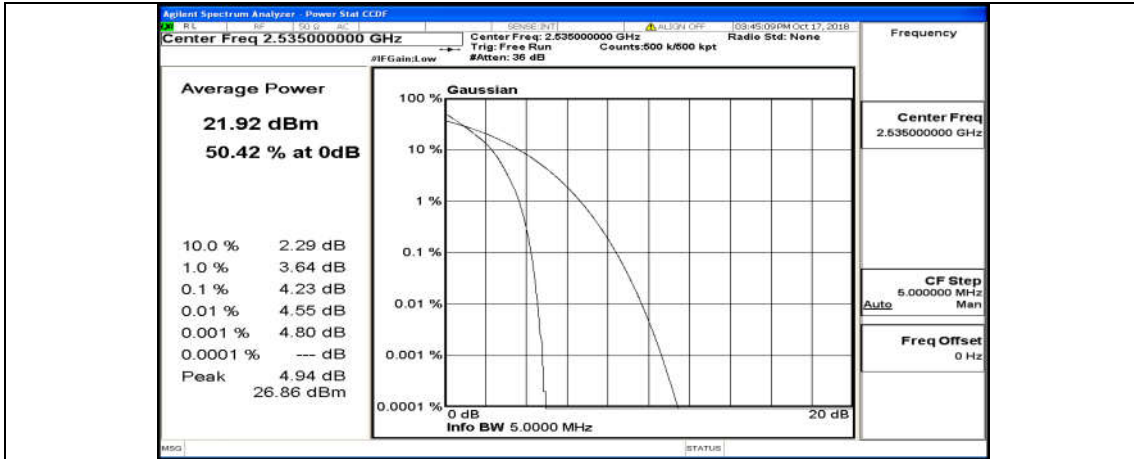
Channel Bandwidth: 20 MHz						
Modulation	Channel	RB Configuration		Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
		Size	Offset			
QPSK	LCH	1	0	2.31	<13	PASS
		100	0	5.75	<13	PASS
	MCH	1	0	2.35	<13	PASS
		100	0	5.82	<13	PASS
	HCH	1	0	2.15	<13	PASS
		100	0	5.57	<13	PASS
16QAM	LCH	1	0	2.57	<13	PASS
		100	0	6.8	<13	PASS
	MCH	1	0	5.12	<13	PASS
		100	0	6.75	<13	PASS
	HCH	1	0	2.36	<13	PASS
		100	0	6.27	<13	PASS

## Test Graphs

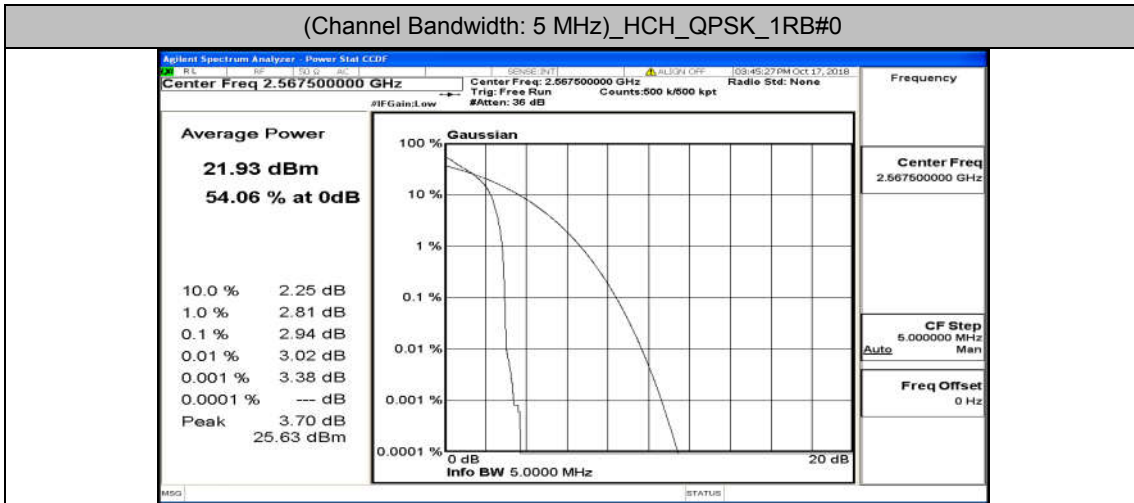
### Channel Bandwidth: 5 MHz



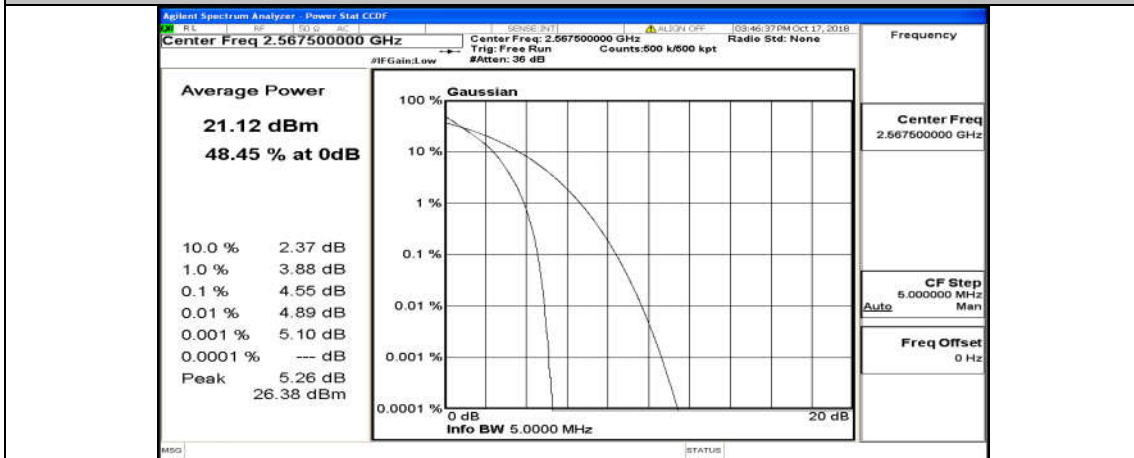




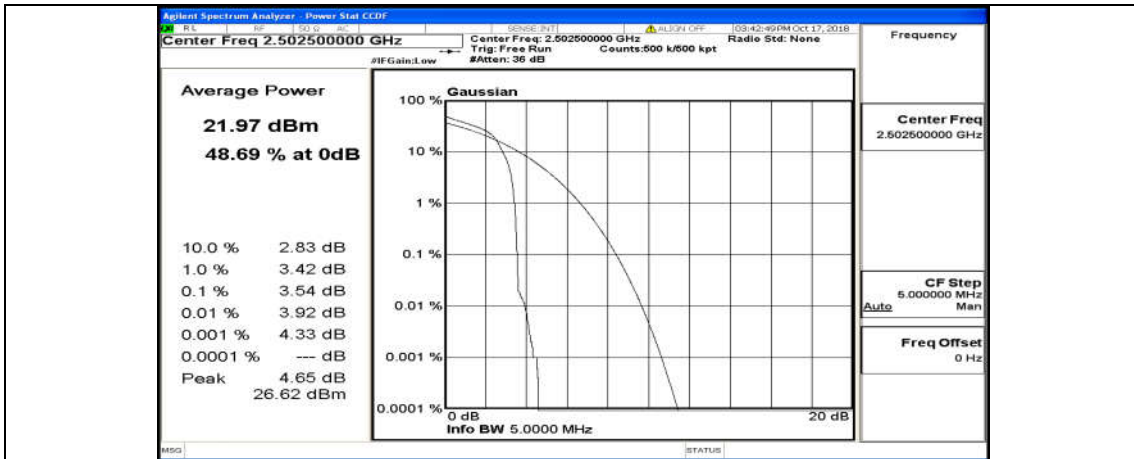
(Channel Bandwidth: 5 MHz)\_HCH\_QPSK\_1RB#0



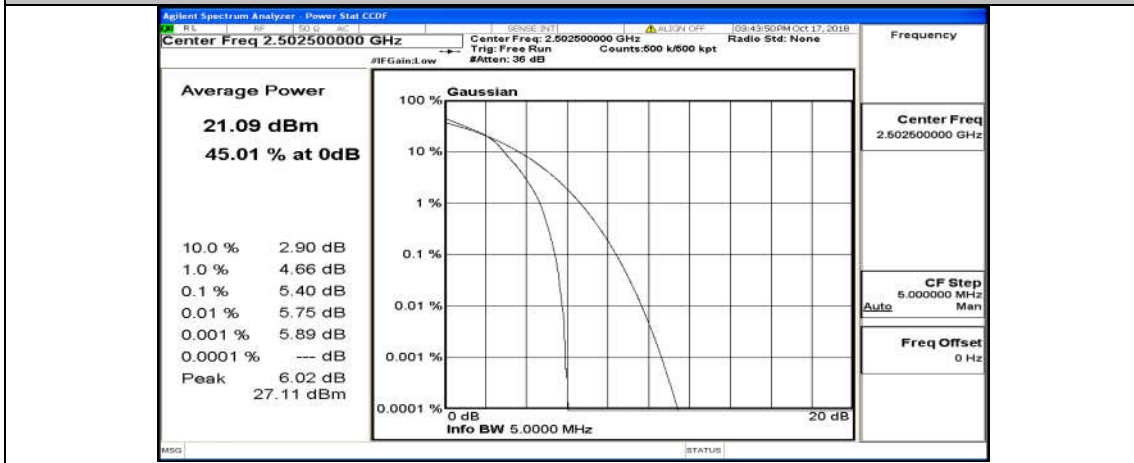
(Channel Bandwidth: 5 MHz)\_HCH\_QPSK\_25RB#0



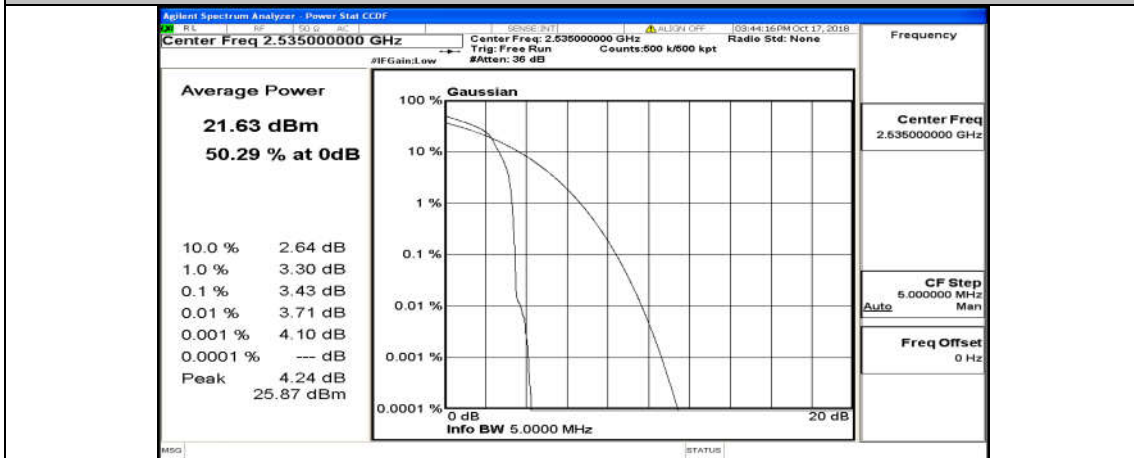
(Channel Bandwidth: 5 MHz)\_LCH\_16QAM\_1RB#0



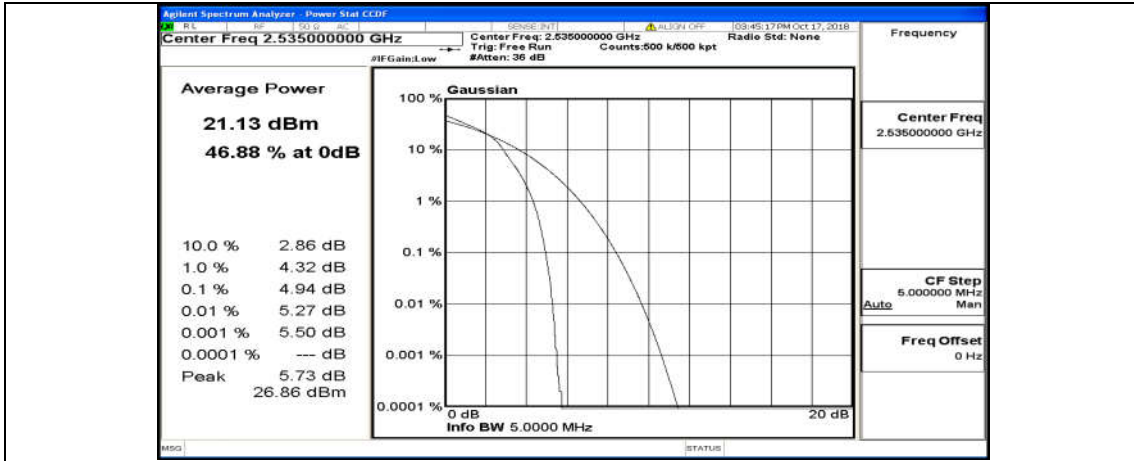
(Channel Bandwidth: 5 MHz)\_LCH\_16QAM\_25RB#0



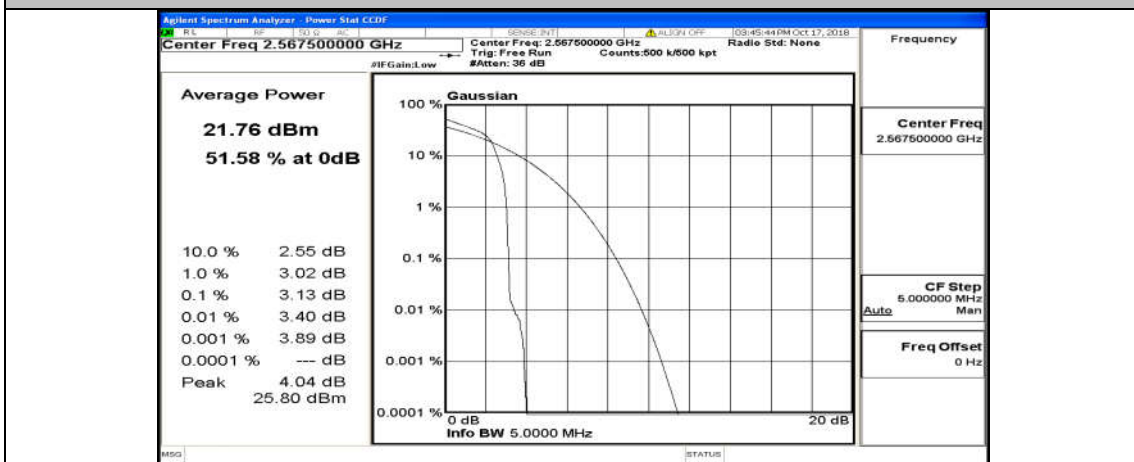
(Channel Bandwidth: 5 MHz)\_MCH\_16QAM\_1RB#0



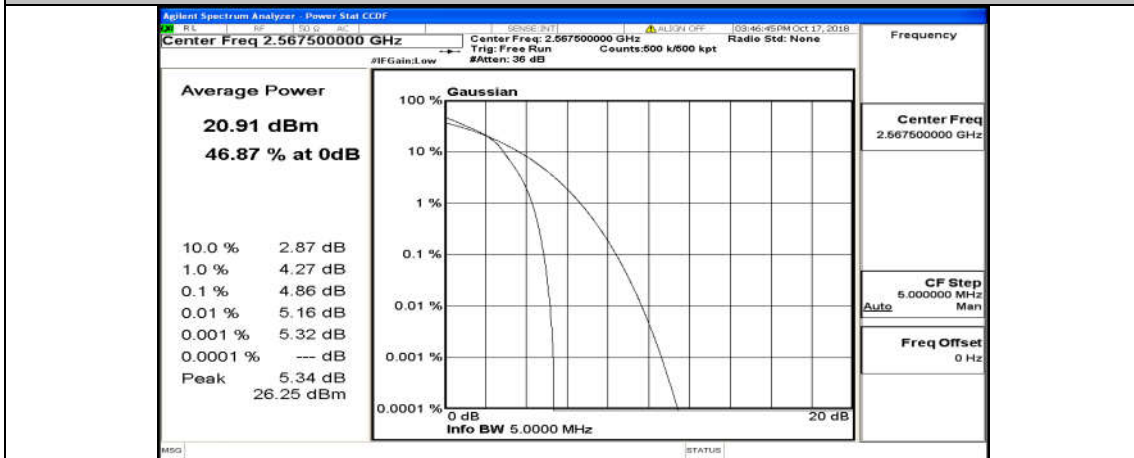
(Channel Bandwidth: 5 MHz)\_MCH\_16QAM\_25RB#0



(Channel Bandwidth: 5 MHz)\_HCH\_16QAM\_1RB#0

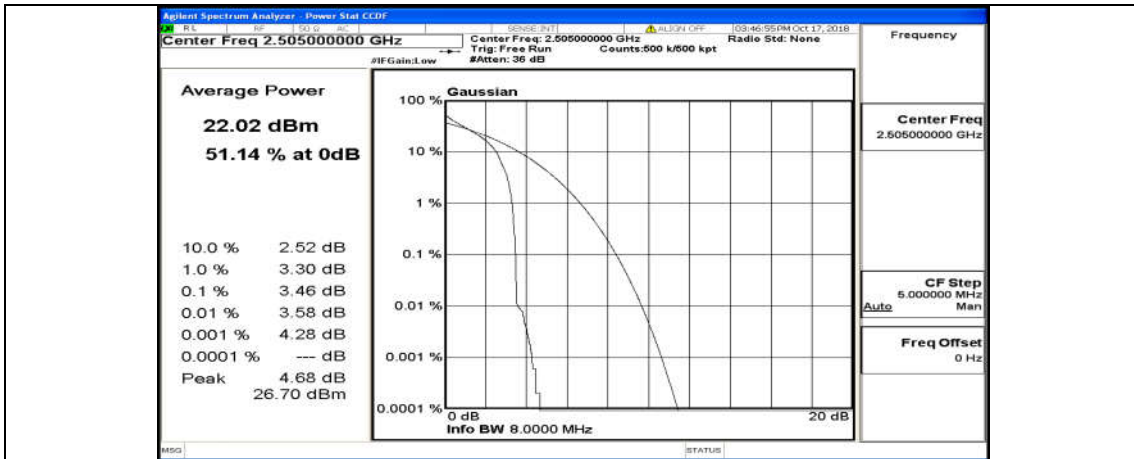


(Channel Bandwidth: 5 MHz)\_HCH\_16QAM\_25RB#0

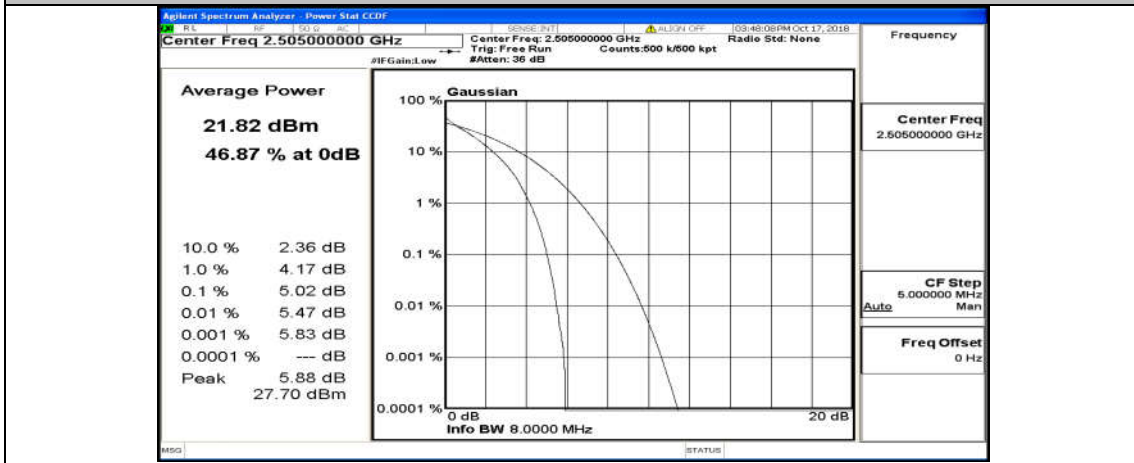


**Channel Bandwidth: 10 MHz**

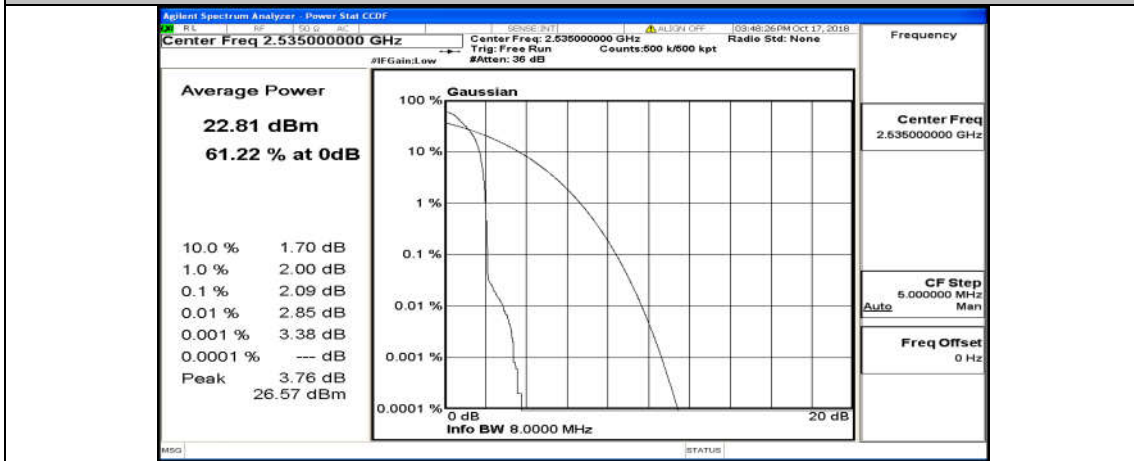
Channel Bandwidth: 10 MHz\_LCH\_QPSK\_1RB#0



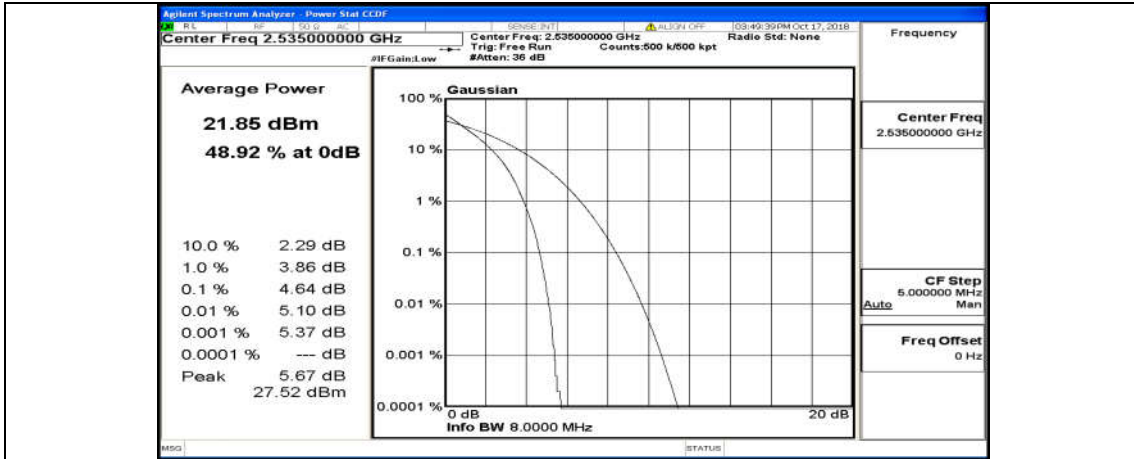
Channel Bandwidth: 10 MHz\_LCH\_QPSK\_50RB#0



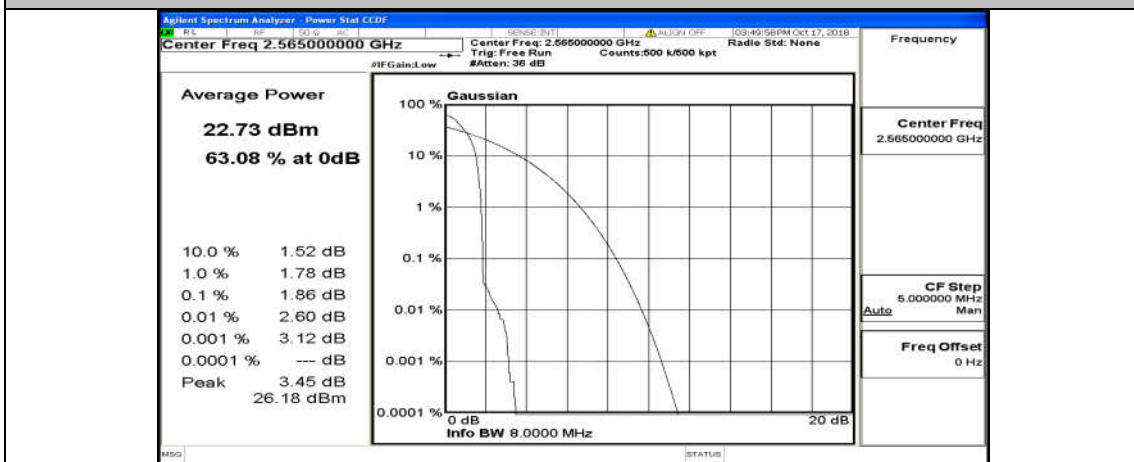
Channel Bandwidth: 10 MHz\_MCH\_QPSK\_1RB#0



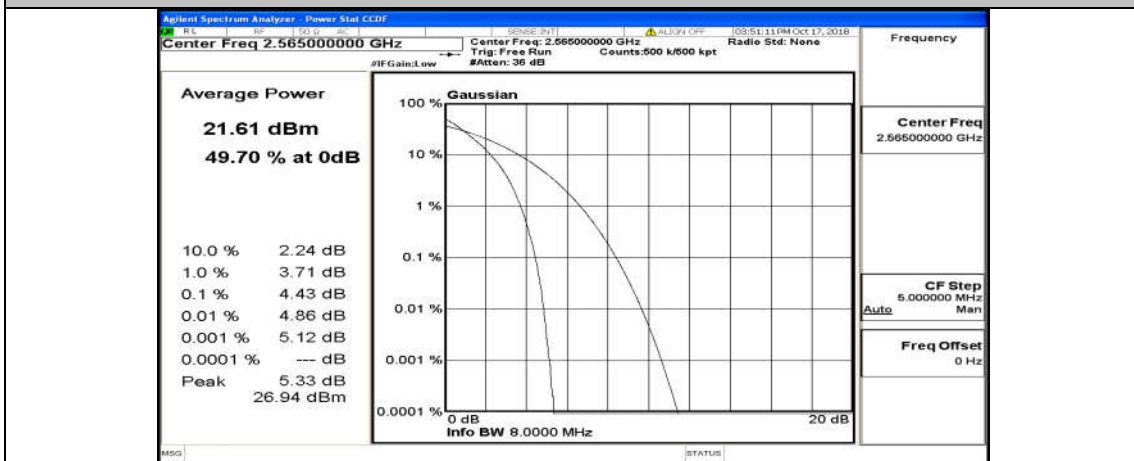
Channel Bandwidth: 10 MHz\_MCH\_QPSK\_50RB#0



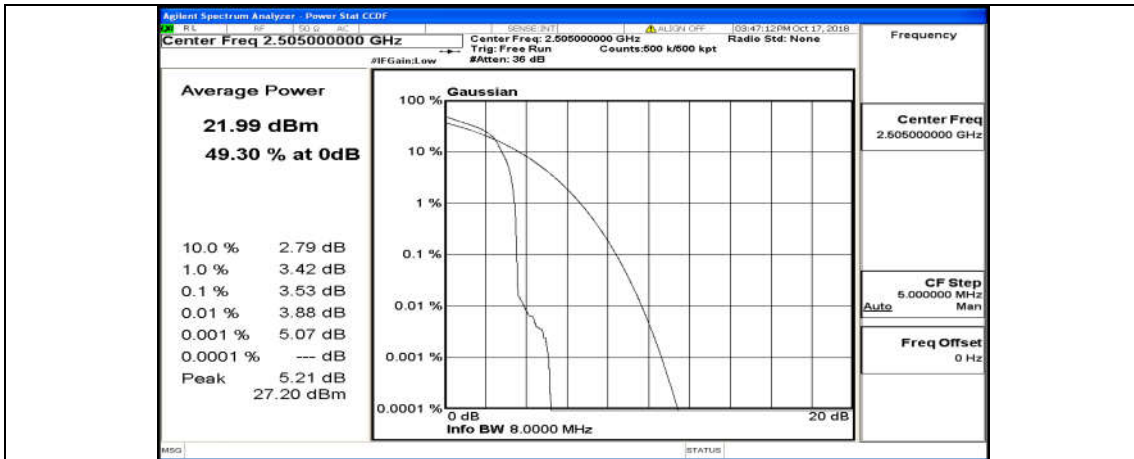
Channel Bandwidth: 10 MHz\_HCH\_QPSK\_1RB#0



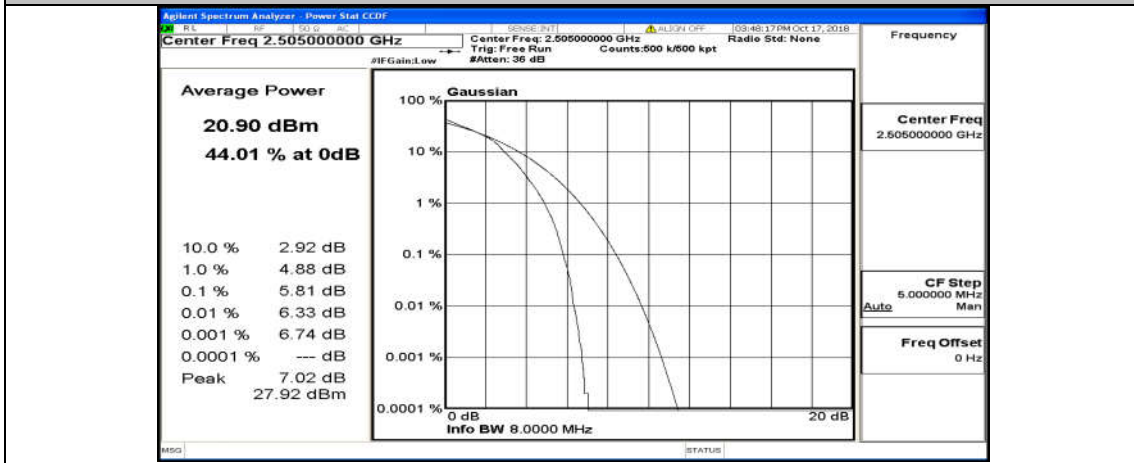
Channel Bandwidth: 10 MHz\_HCH\_QPSK\_50RB#0



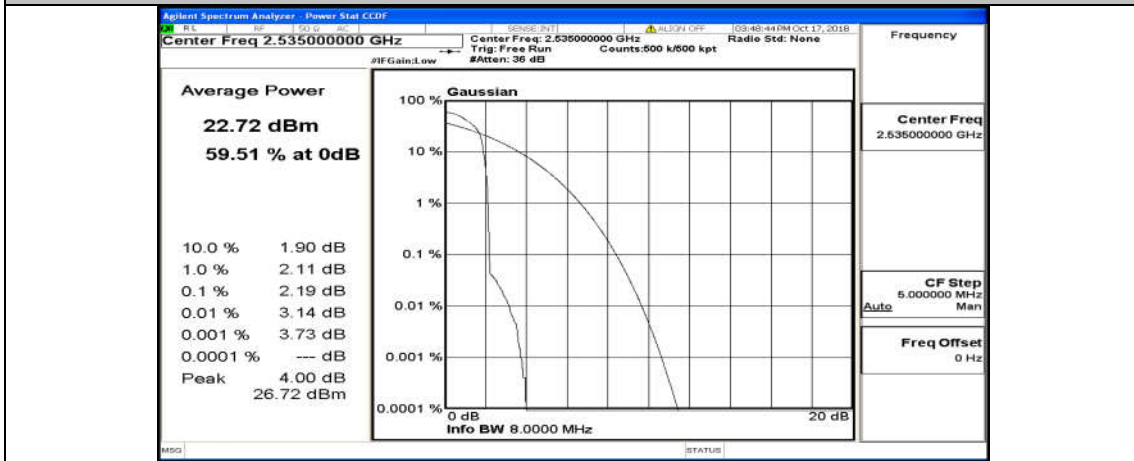
Channel Bandwidth: 10 MHz\_LCH\_16QAM\_1RB#0



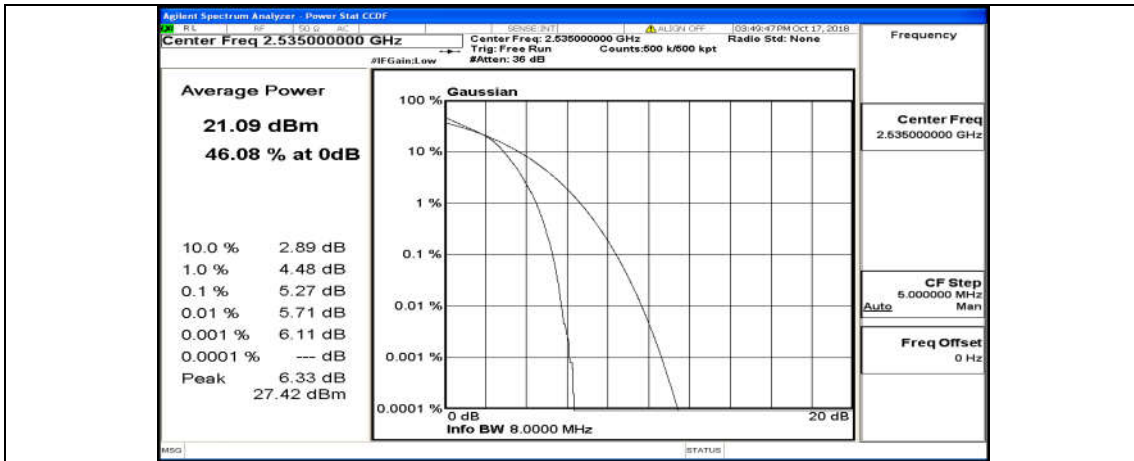
Channel Bandwidth: 10 MHz\_LCH\_16QAM\_50RB#0



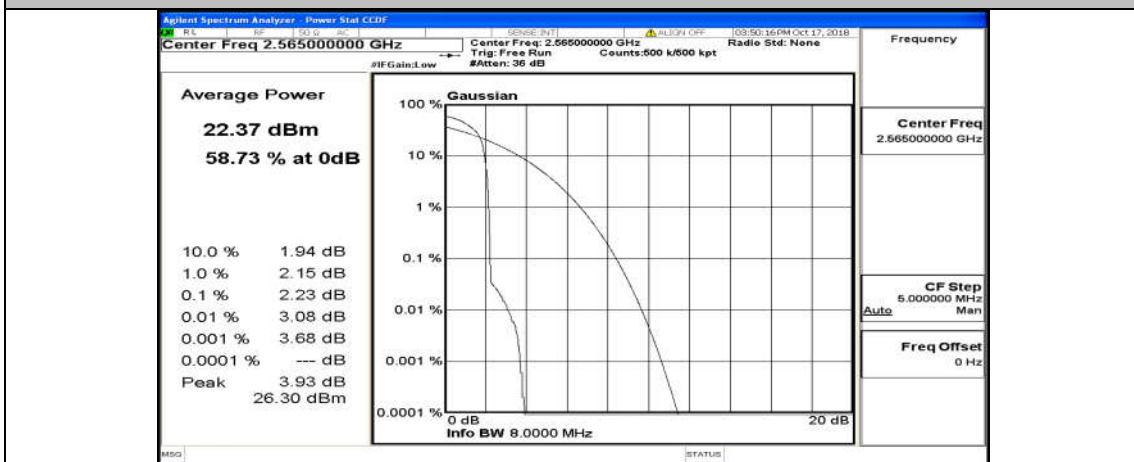
Channel Bandwidth: 10 MHz\_MCH\_16QAM\_1RB#0



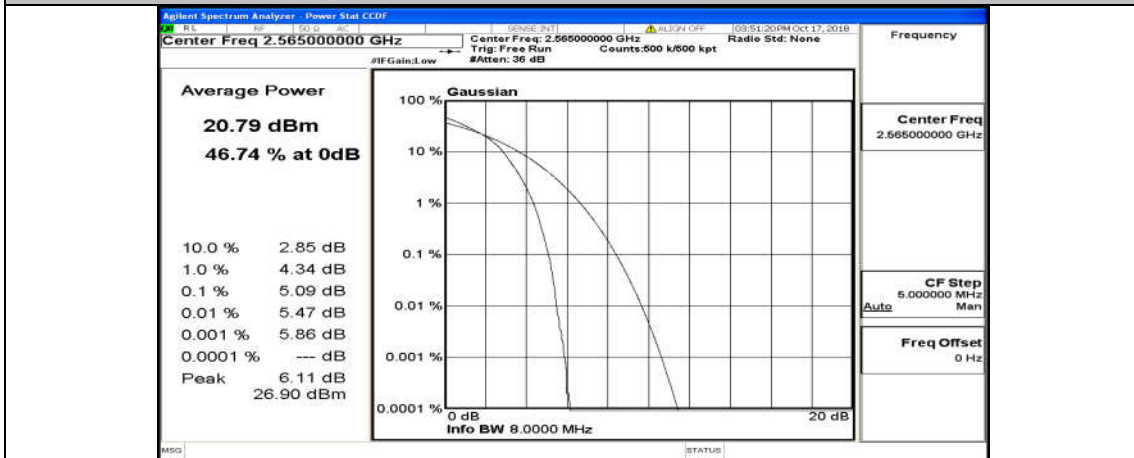
Channel Bandwidth: 10 MHz\_MCH\_16QAM\_50RB#0



Channel Bandwidth: 10 MHz\_HCH\_16QAM\_1RB#0

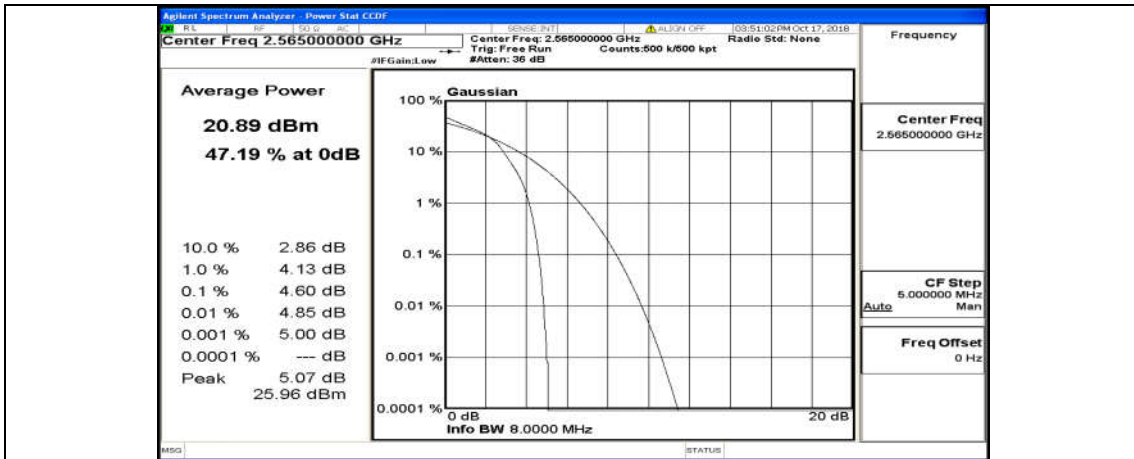


Channel Bandwidth: 10 MHz\_HCH\_16QAM\_50RB#0

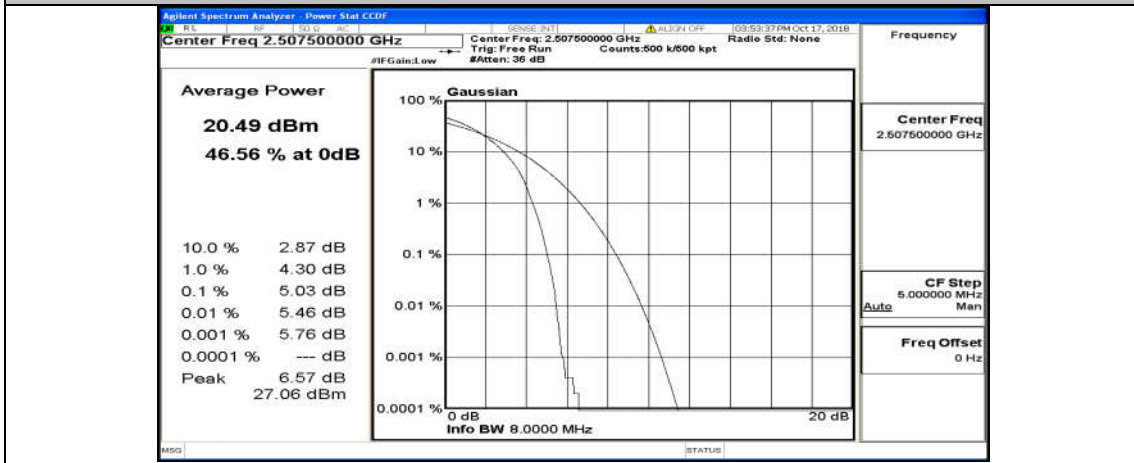


Channel Bandwidth: 15 MHz

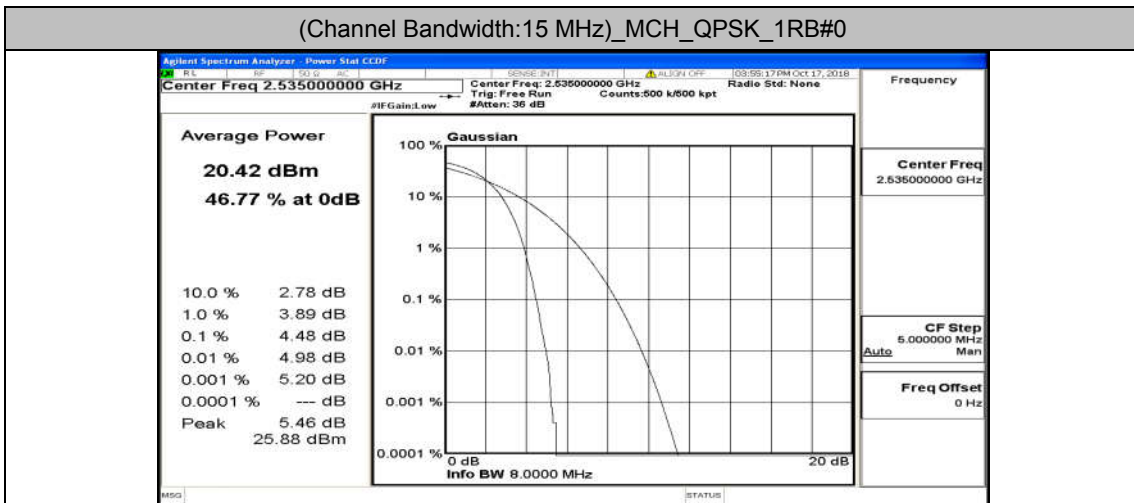
(Channel Bandwidth: 15 MHz)\_LCH\_QPSK\_1RB#0



(Channel Bandwidth:15 MHz)\_LCH\_QPSK\_75RB#0

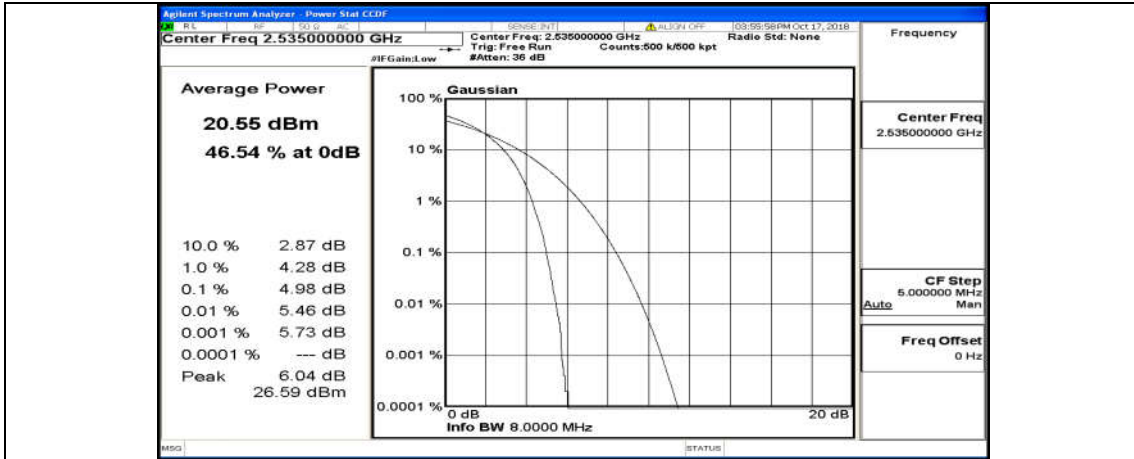


(Channel Bandwidth:15 MHz)\_MCH\_QPSK\_1RB#0

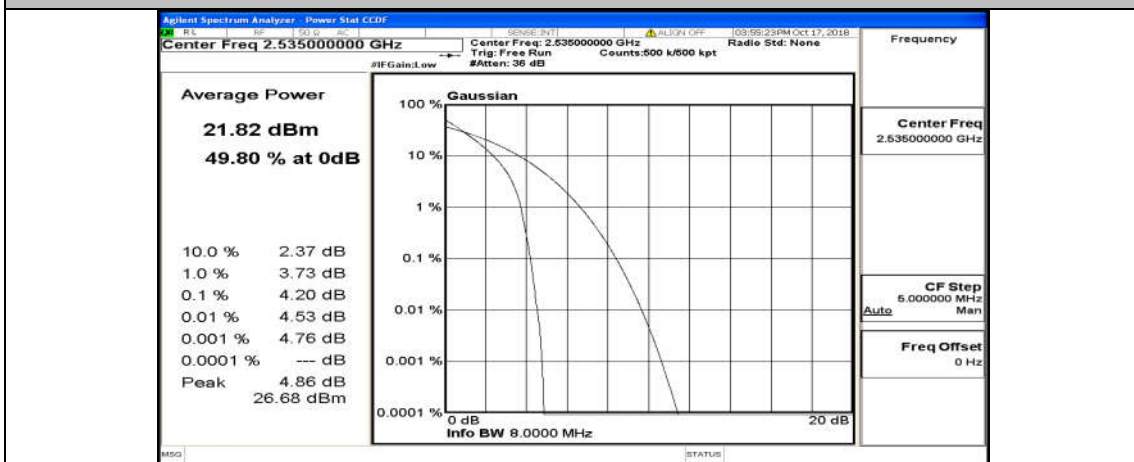


(Channel Bandwidth:15 MHz)\_MCH\_QPSK\_75RB#0

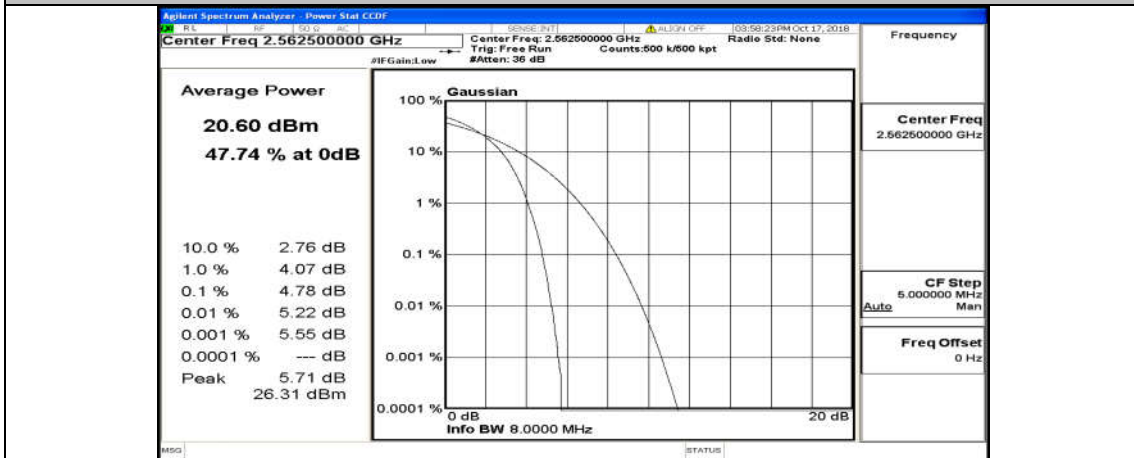




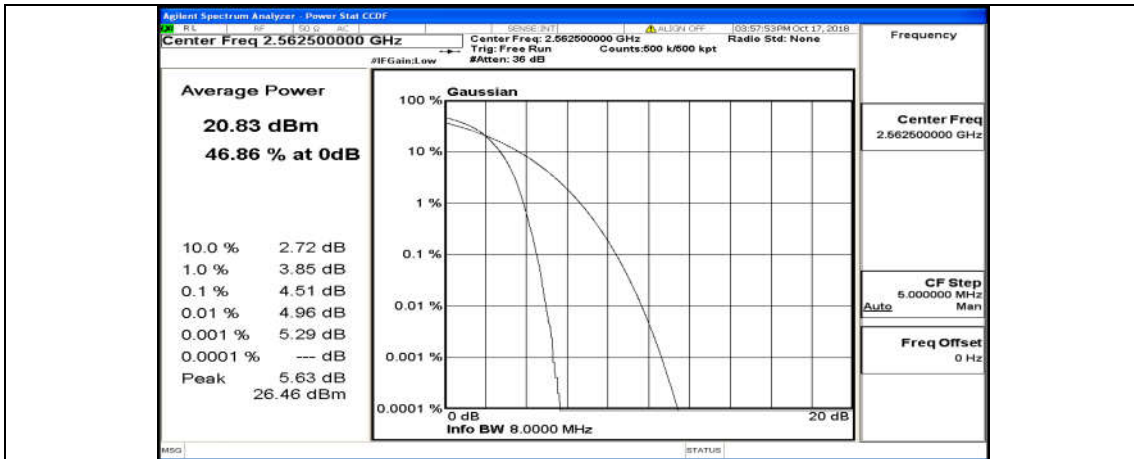
(Channel Bandwidth:15 MHz)\_HCH\_QPSK\_1RB#0



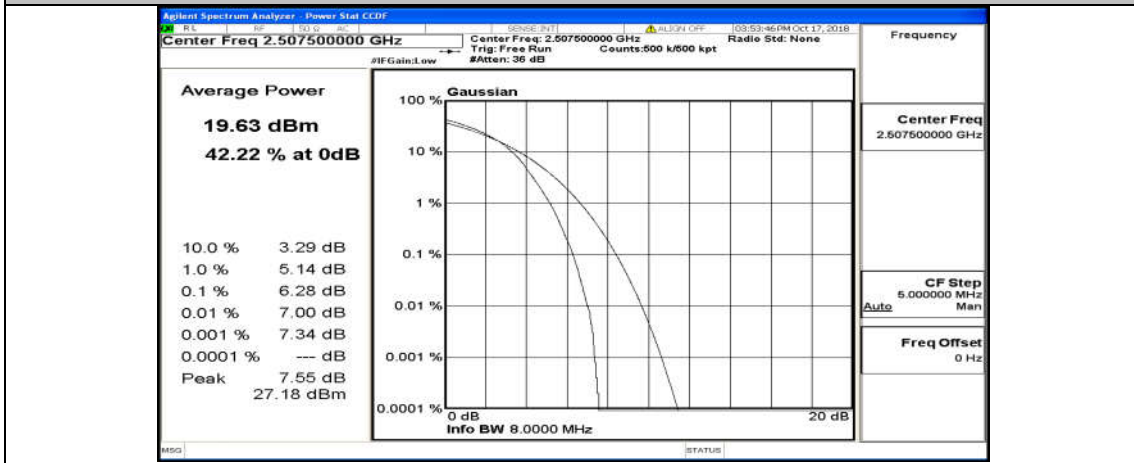
(Channel Bandwidth:15 MHz)\_HCH\_QPSK\_75RB#0



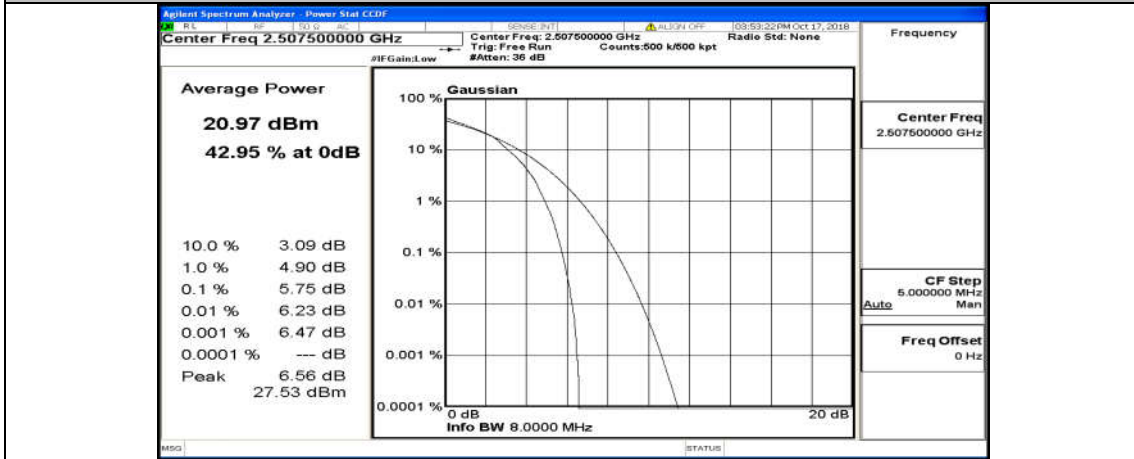
(Channel Bandwidth:15 MHz)\_LCH\_16QAM\_1RB#0



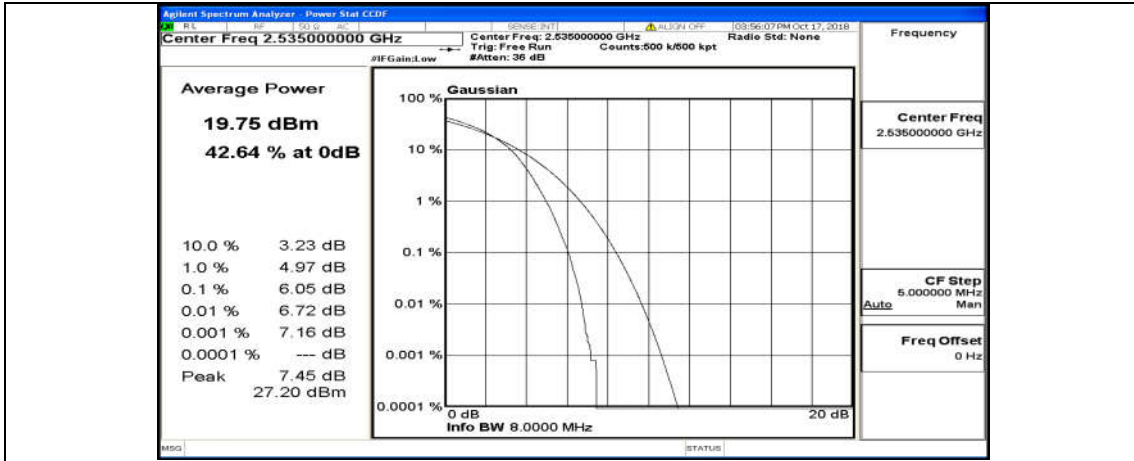
(Channel Bandwidth:15 MHz)\_LCH\_16QAM\_75RB#0



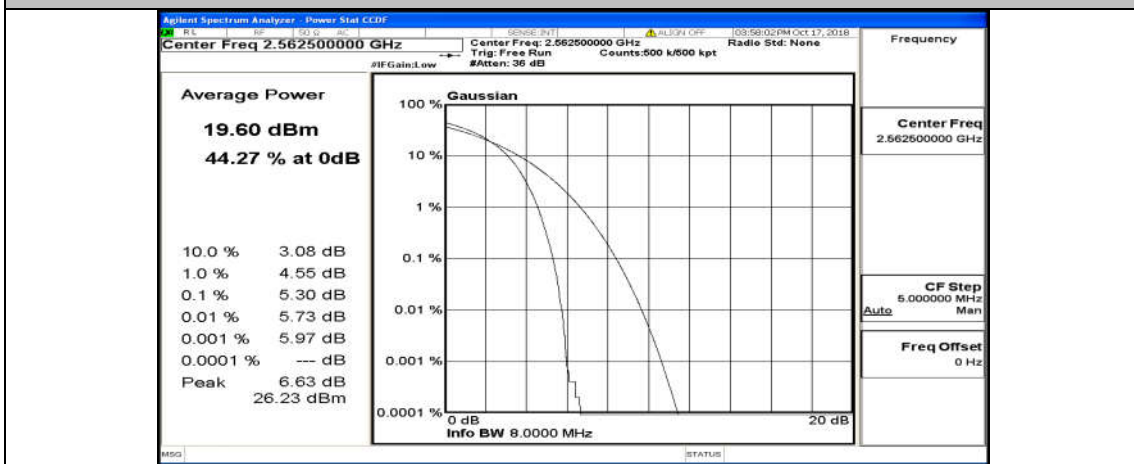
(Channel Bandwidth:15 MHz)\_MCH\_16QAM\_1RB#0



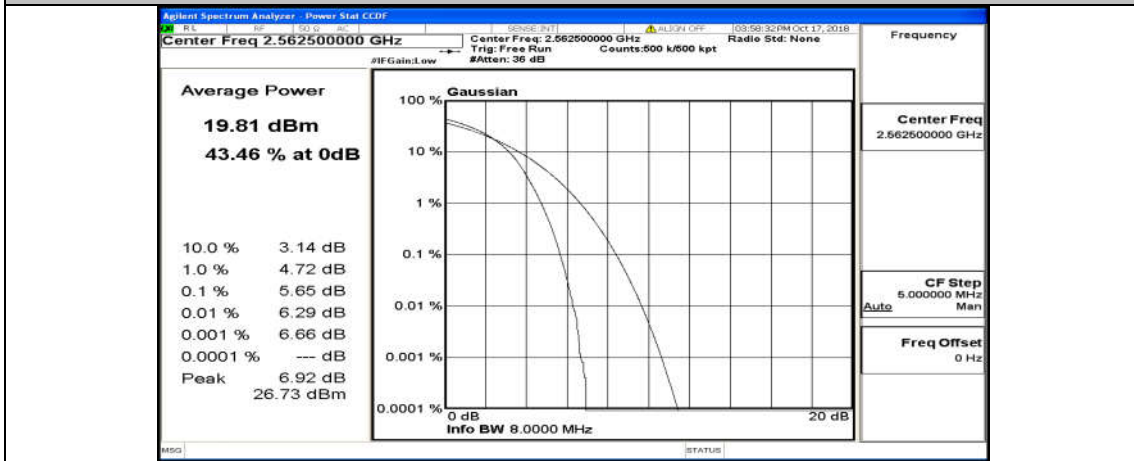
(Channel Bandwidth:15 MHz)\_MCH\_16QAM\_75RB#0



(Channel Bandwidth:15 MHz)\_HCH\_16QAM\_1RB#0

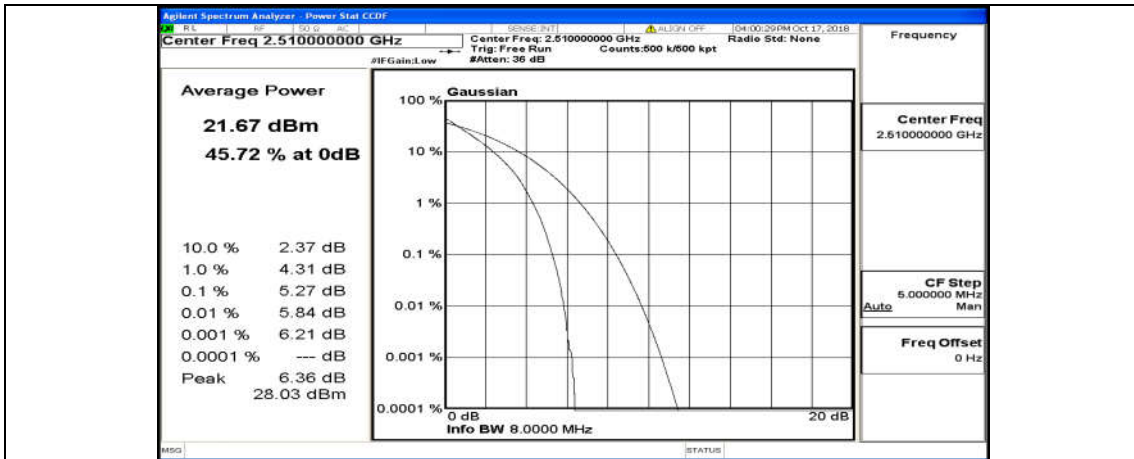


(Channel Bandwidth:15 MHz)\_HCH\_16QAM\_75RB#0

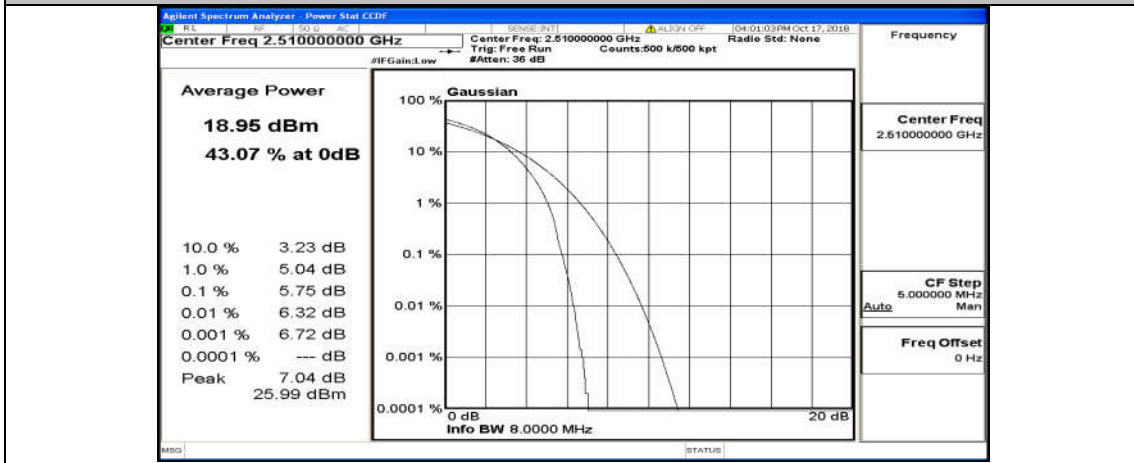


**Channel Bandwidth: 20 MHz**

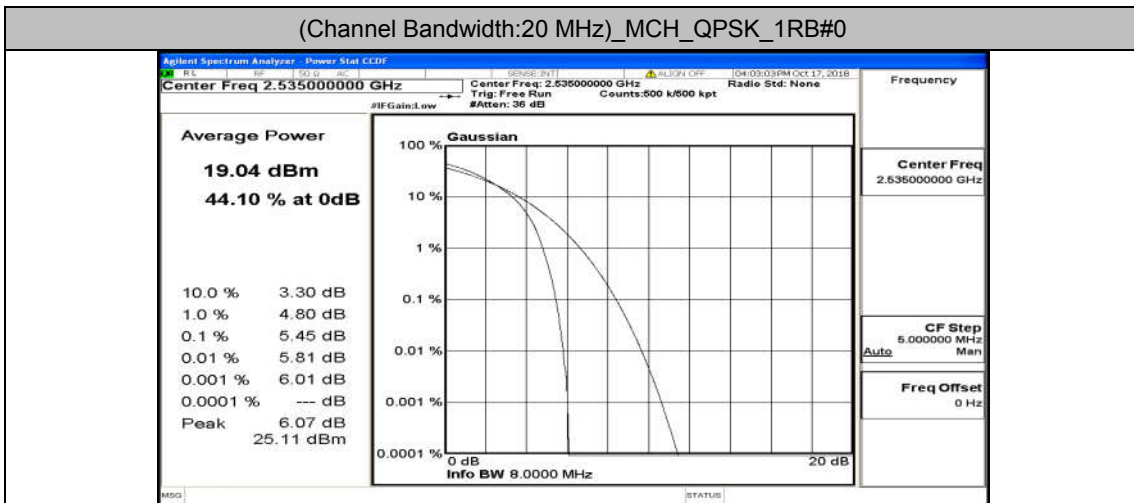
(Channel Bandwidth:20 MHz)\_LCH\_QPSK\_1RB#0



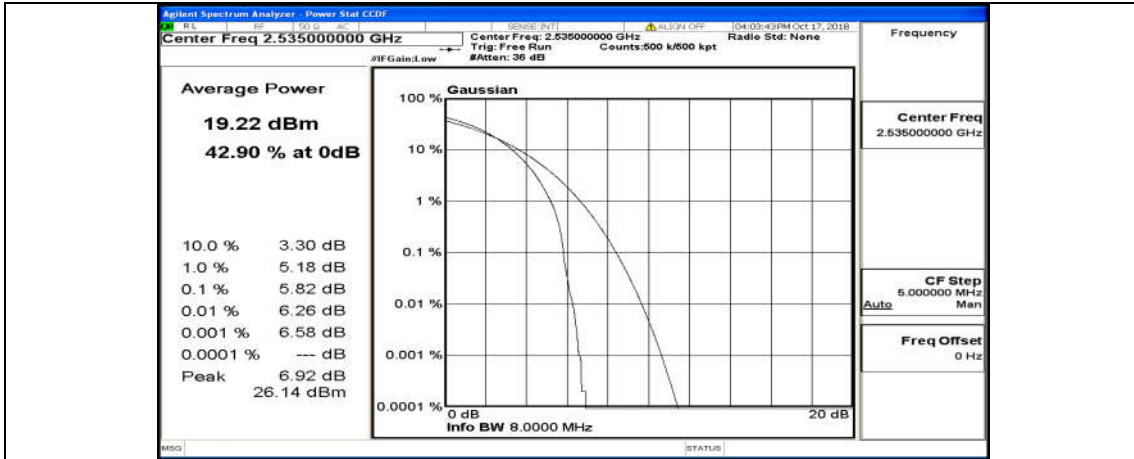
(Channel Bandwidth:20 MHz)\_LCH\_QPSK\_100RB#0



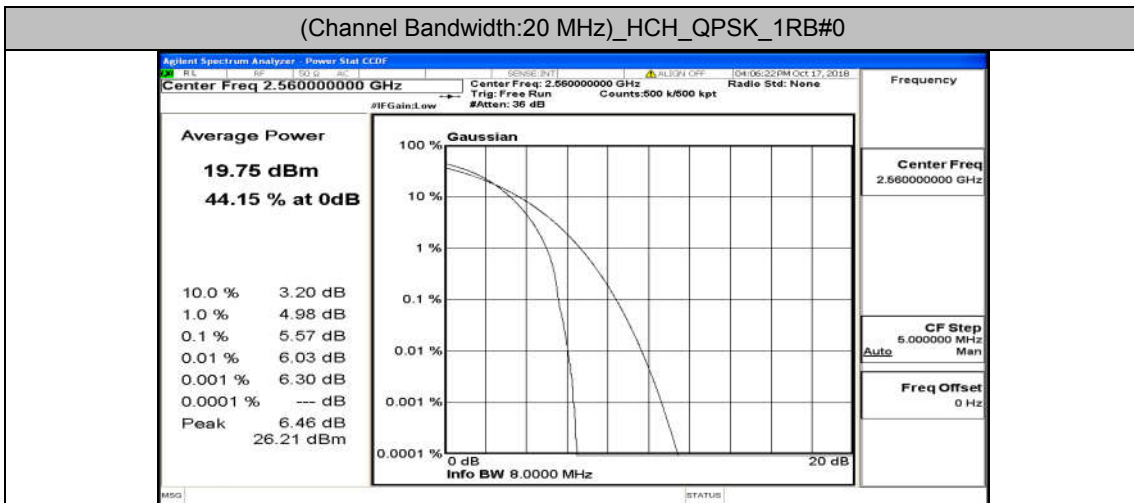
(Channel Bandwidth:20 MHz)\_MCH\_QPSK\_1RB#0



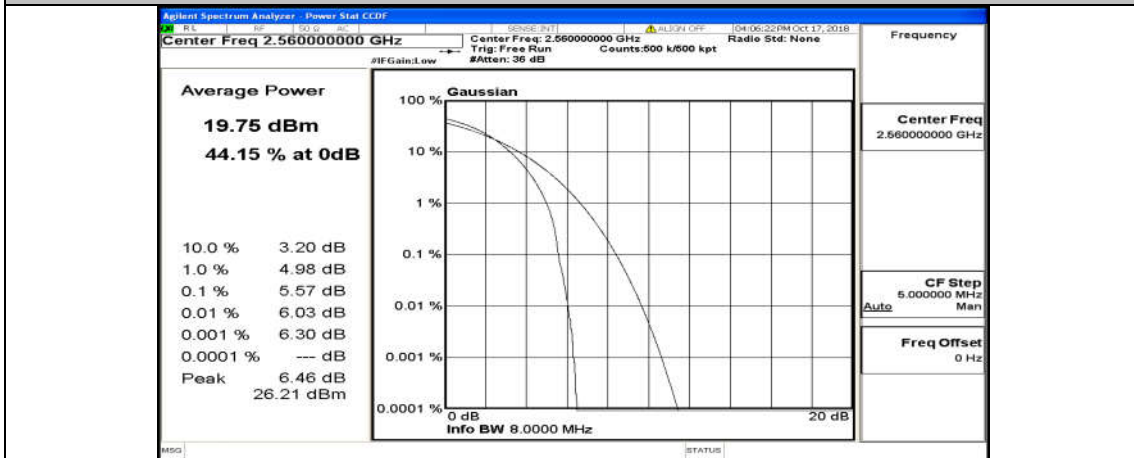
(Channel Bandwidth:20 MHz)\_MCH\_QPSK\_100RB#0



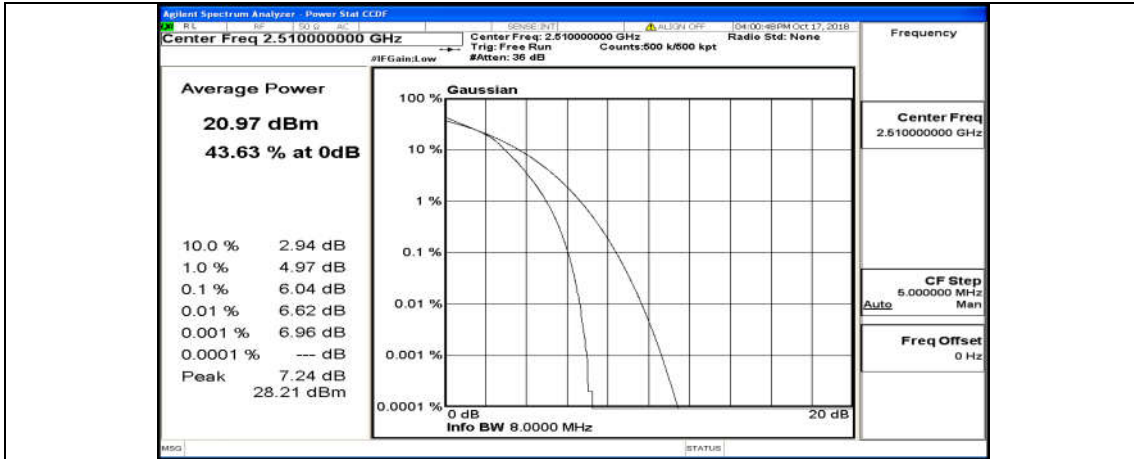
(Channel Bandwidth:20 MHz)\_HCH\_QPSK\_1RB#0



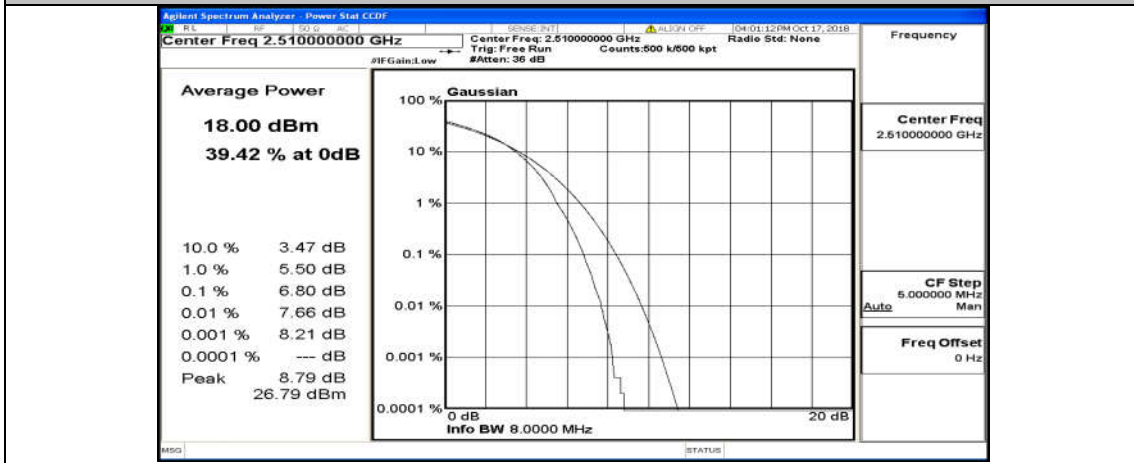
(Channel Bandwidth:20 MHz)\_HCH\_QPSK\_100RB#0



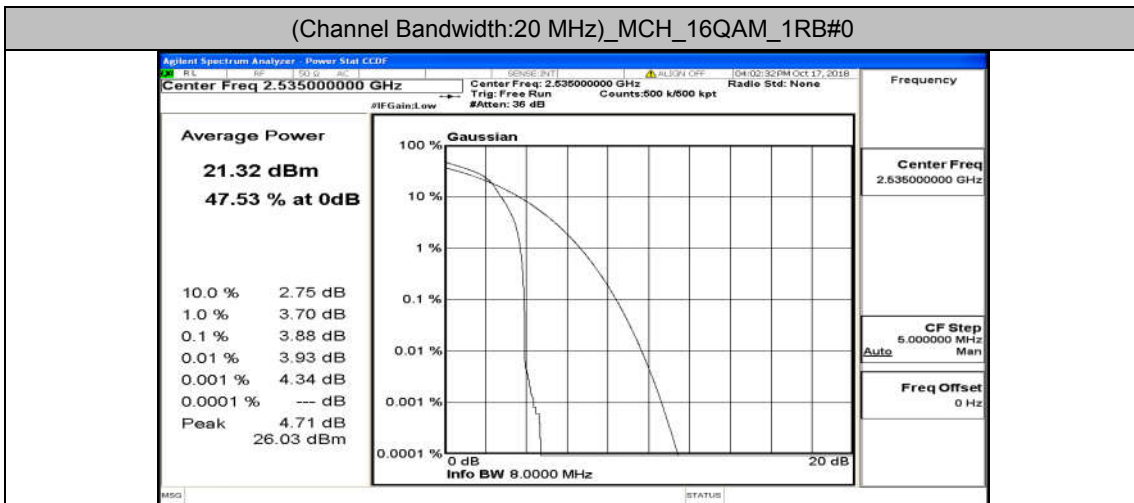
(Channel Bandwidth:20 MHz)\_LCH\_16QAM\_1RB#0



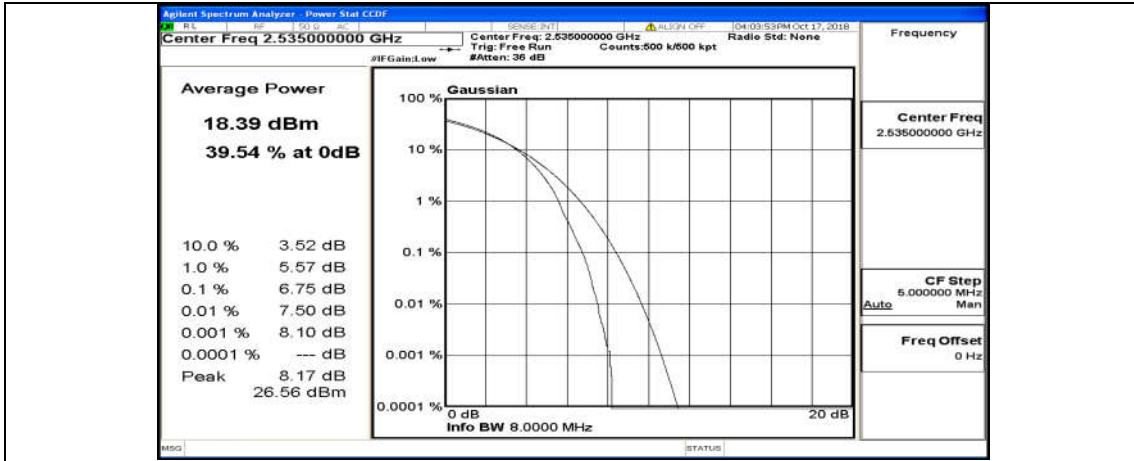
(Channel Bandwidth:20 MHz)\_LCH\_16QAM\_100RB#0



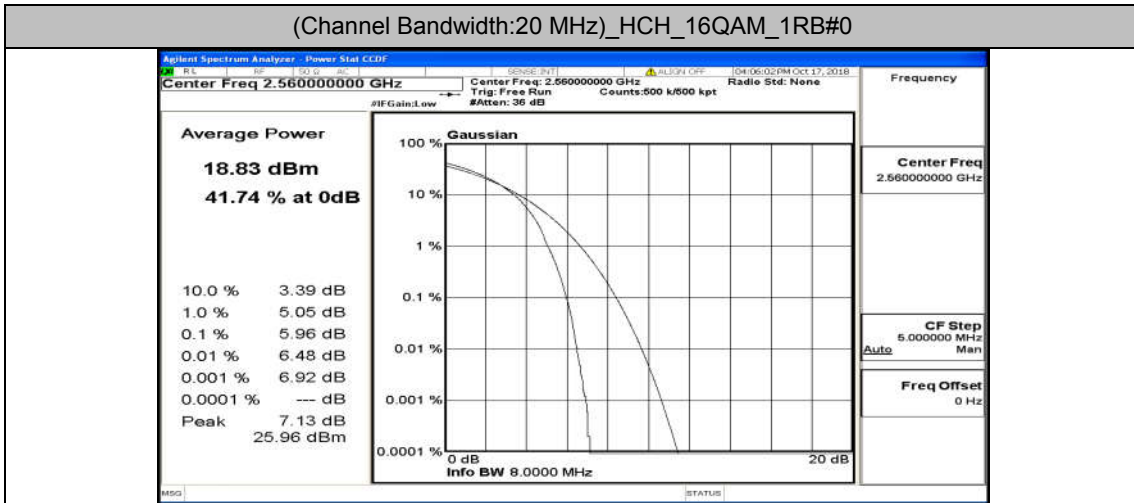
(Channel Bandwidth:20 MHz)\_MCH\_16QAM\_1RB#0



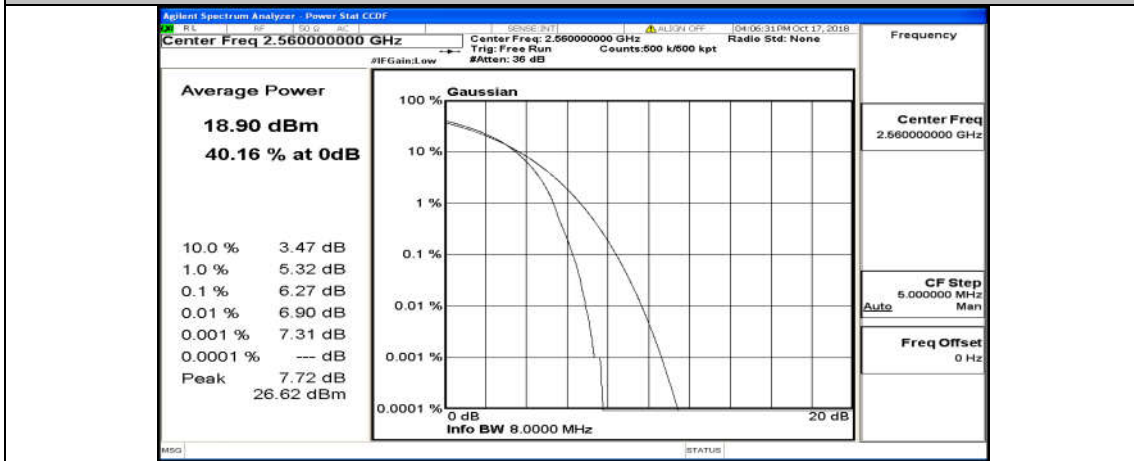
(Channel Bandwidth:20 MHz)\_MCH\_16QAM\_100RB#0



(Channel Bandwidth:20 MHz)\_HCH\_16QAM\_1RB#0



(Channel Bandwidth:20 MHz)\_HCH\_16QAM\_100RB#0



## Appendix C.3: 26dB Bandwidth and Occupied Bandwidth

### Test Result

#### Channel Bandwidth: 5 MHz

Channel Bandwidth: 5 MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		Size	Offset			
QPSK	LCH	25	0	4.4774	4.811	PASS
	MCH	25	0	4.4745	4.912	PASS
	HCH	25	0	4.4863	4.843	PASS
16QAM	LCH	25	0	4.4663	4.870	PASS
	MCH	25	0	4.4765	4.927	PASS
	HCH	25	0	4.4829	5.001	PASS

#### Channel Bandwidth: 10 MHz

Channel Bandwidth: 10 MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		Size	Offset			
QPSK	LCH	50	0	8.9496	9.524	PASS
	MCH	50	0	8.9472	9.633	PASS
	HCH	50	0	8.9526	11.46	PASS
16QAM	LCH	50	0	8.9444	9.543	PASS
	MCH	50	0	8.9526	9.578	PASS
	HCH	50	0	8.9456	9.583	PASS

#### Channel Bandwidth: 15 MHz

Channel Bandwidth: 15 MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		Size	Offset			
QPSK	LCH	75	0	13.417	14.25	PASS
	MCH	75	0	13.424	16.82	PASS
	HCH	75	0	13.372	14.23	PASS
16QAM	LCH	75	0	13.414	14.15	PASS
	MCH	75	0	13.407	14.19	PASS



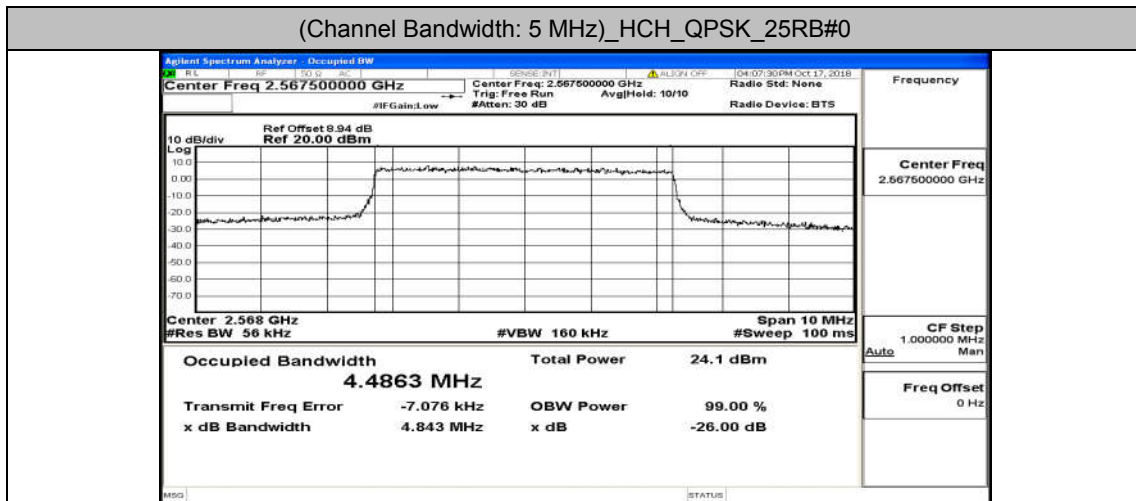
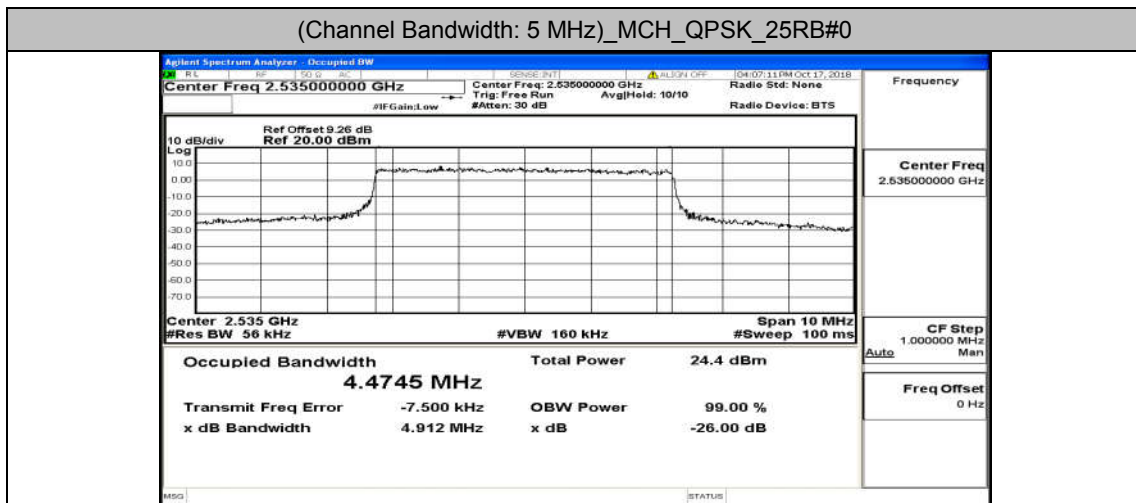
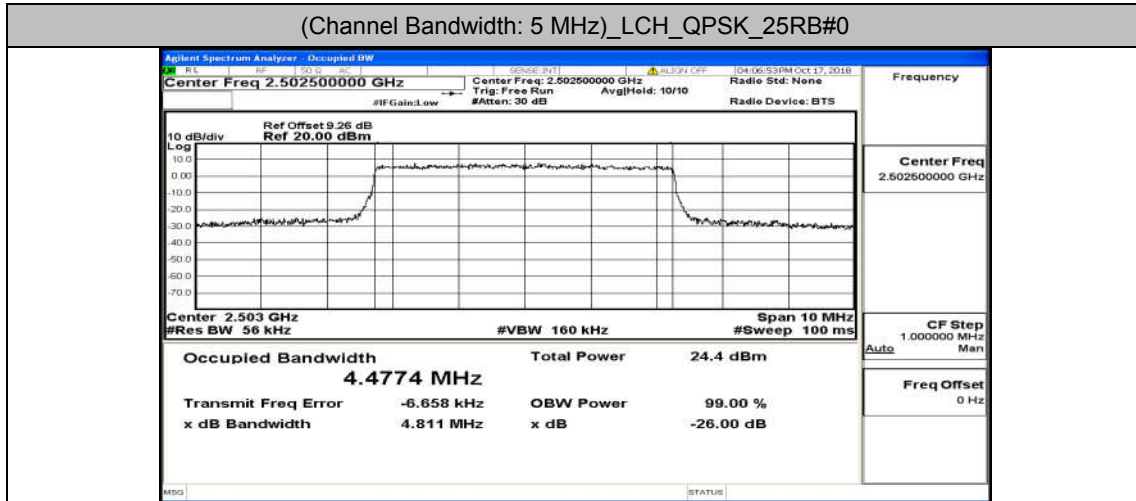
	HCH	75	0	13.354	14.13	PASS
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**Channel Bandwidth: 20 MHz**

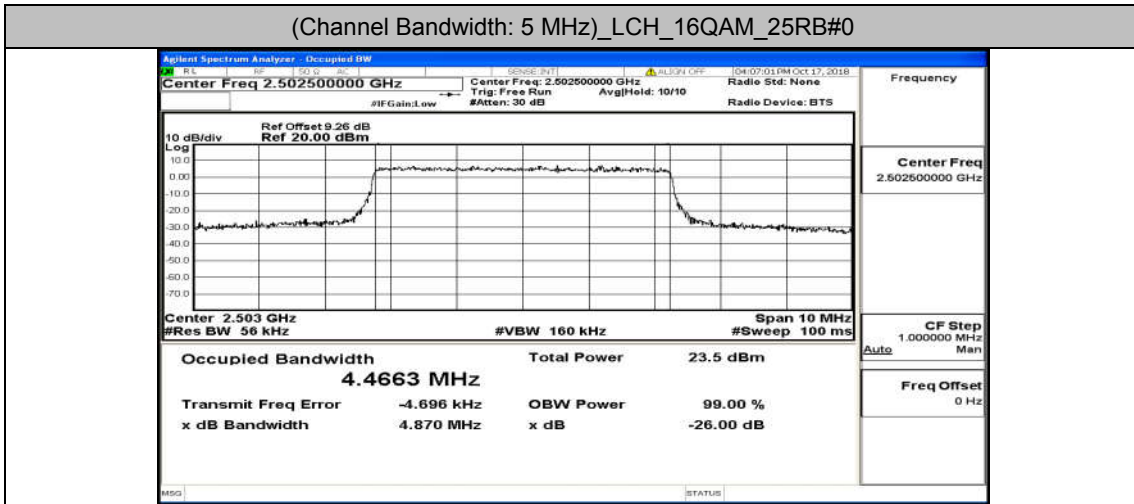
Channel Bandwidth: 20 MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		Size	Offset			
QPSK	LCH	100	0	17.911	18.93	PASS
	MCH	100	0	17.898	20.54	PASS
	HCH	100	0	17.778	18.62	PASS
16QAM	LCH	100	0	17.902	18.74	PASS
	MCH	100	0	17.893	18.88	PASS
	HCH	100	0	17.755	18.61	PASS

## Test Graphs

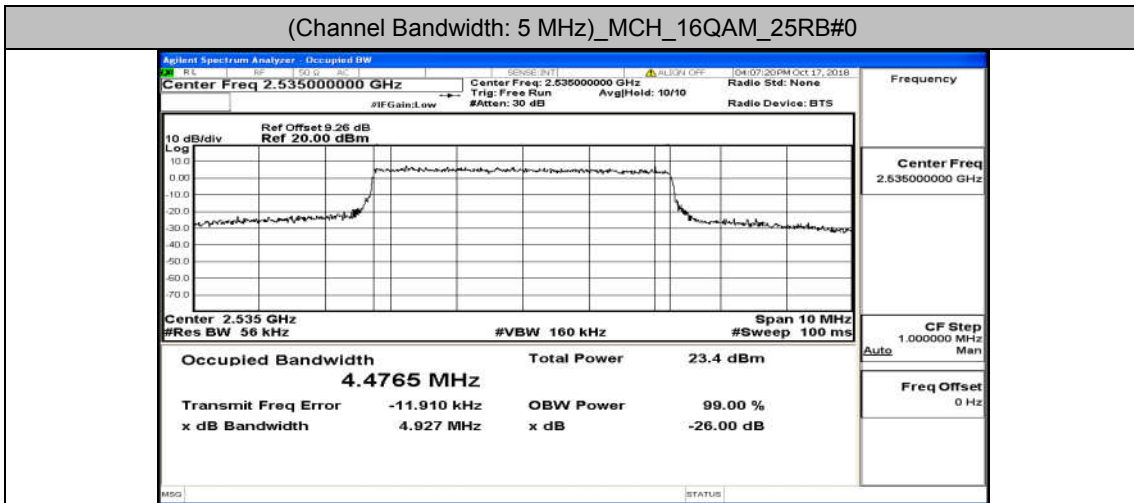
### Channel Bandwidth: 5 MHz



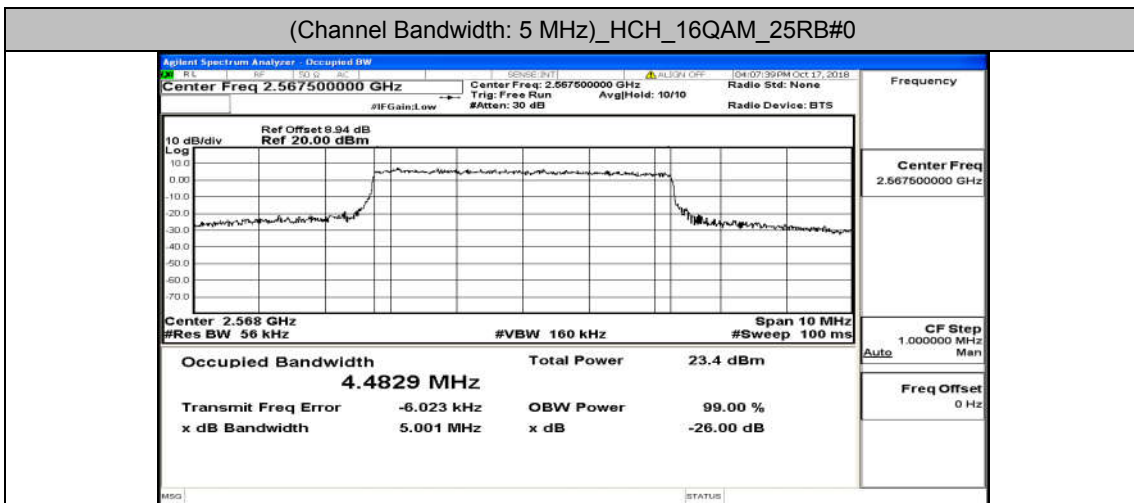
(Channel Bandwidth: 5 MHz)\_LCH\_16QAM\_25RB#0



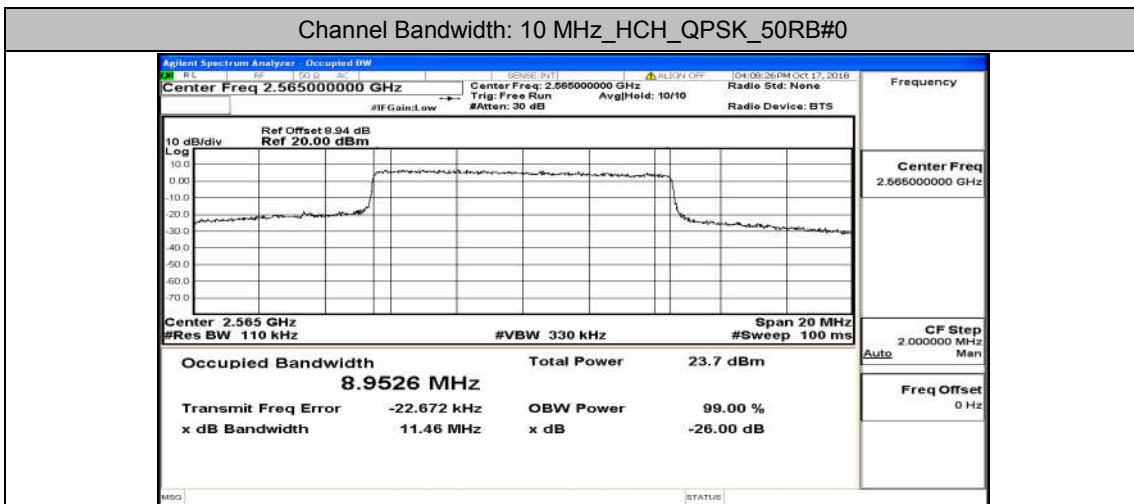
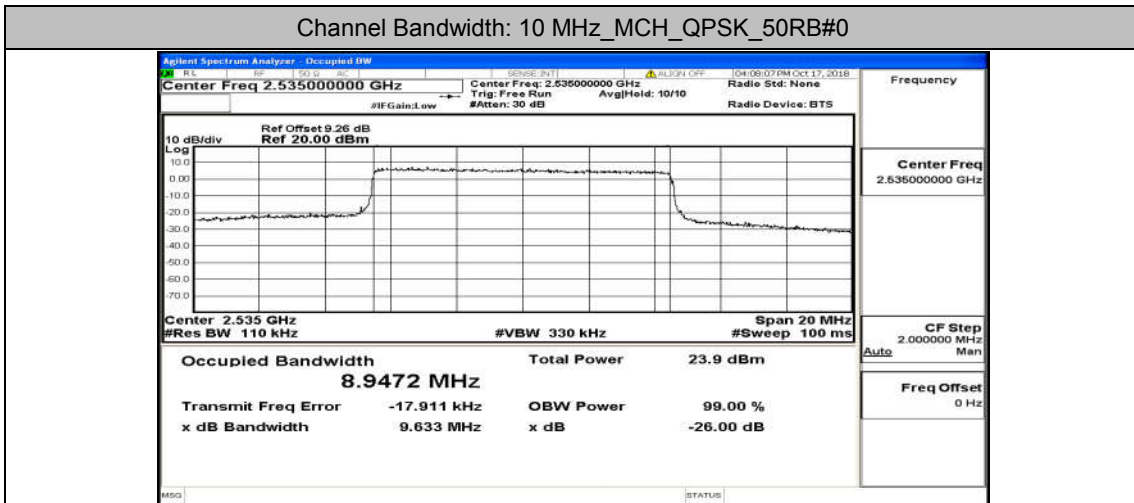
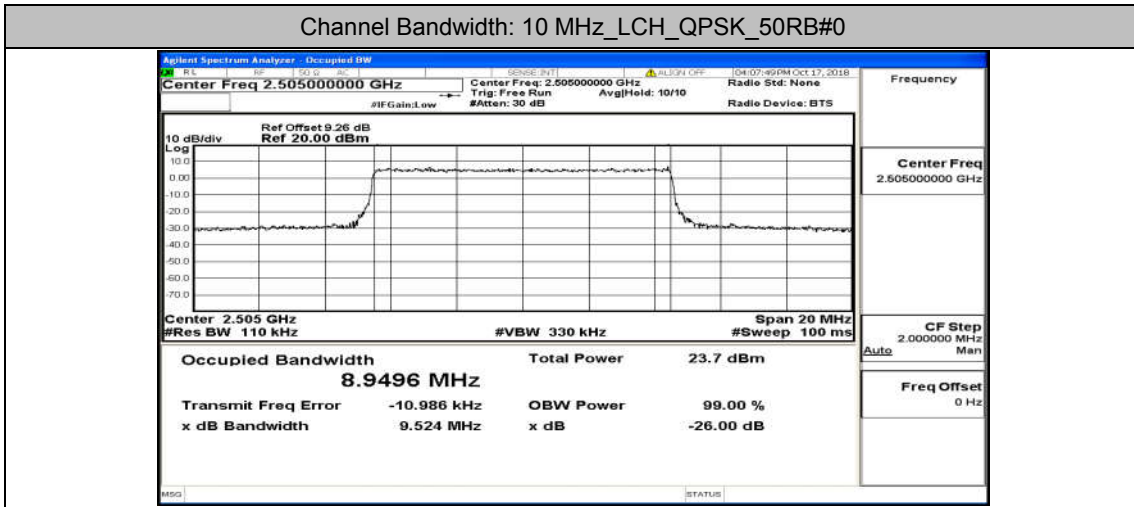
(Channel Bandwidth: 5 MHz)\_MCH\_16QAM\_25RB#0

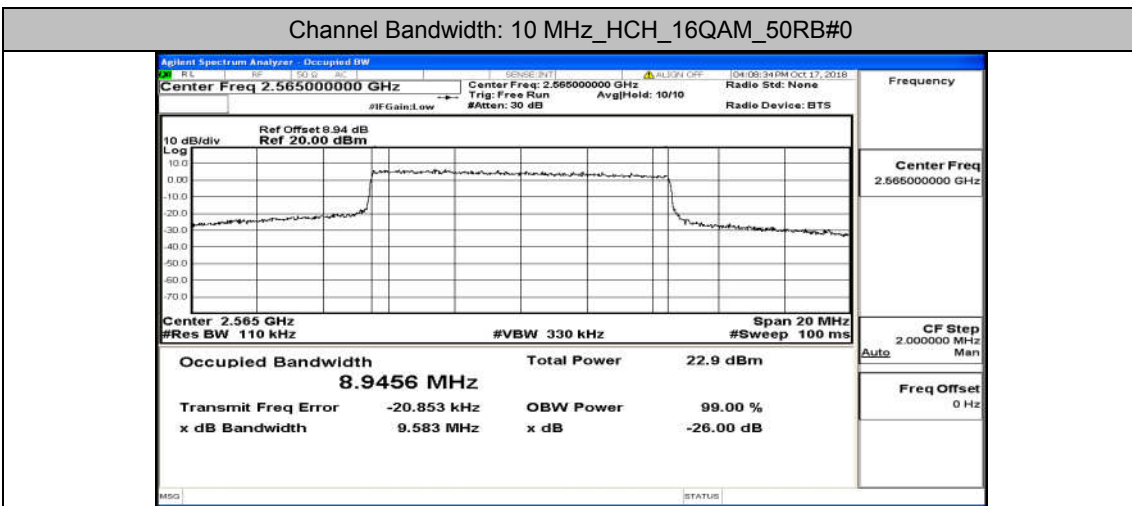
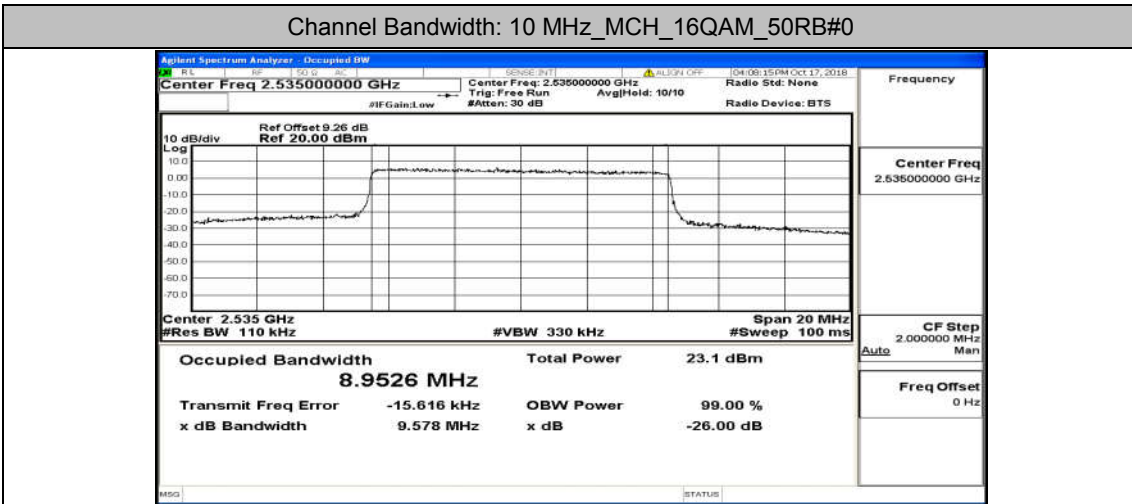
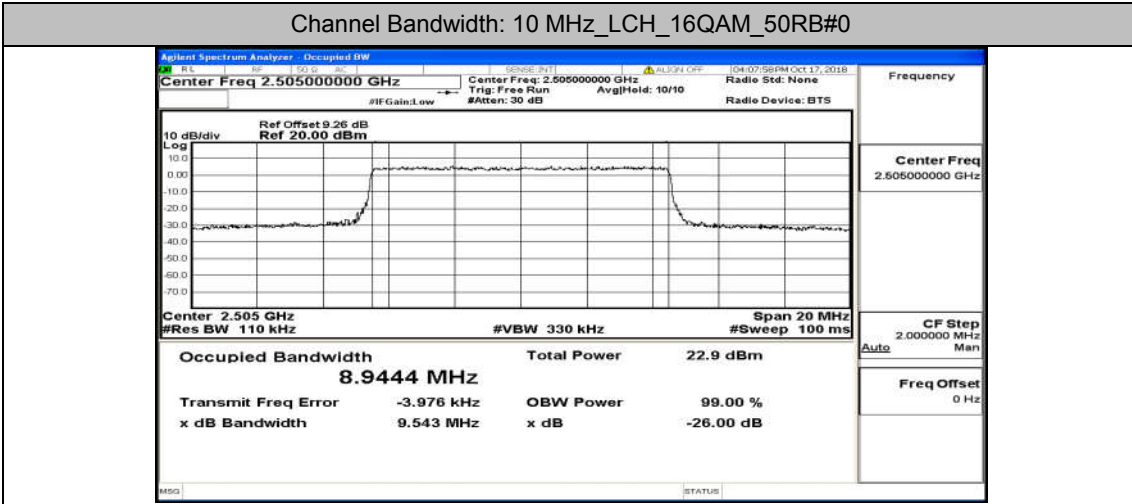


(Channel Bandwidth: 5 MHz)\_HCH\_16QAM\_25RB#0

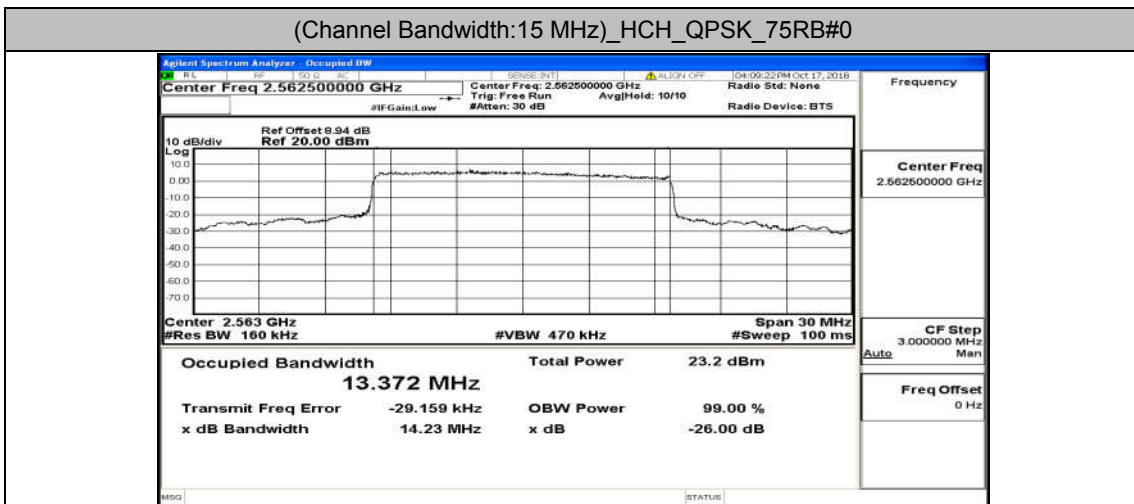
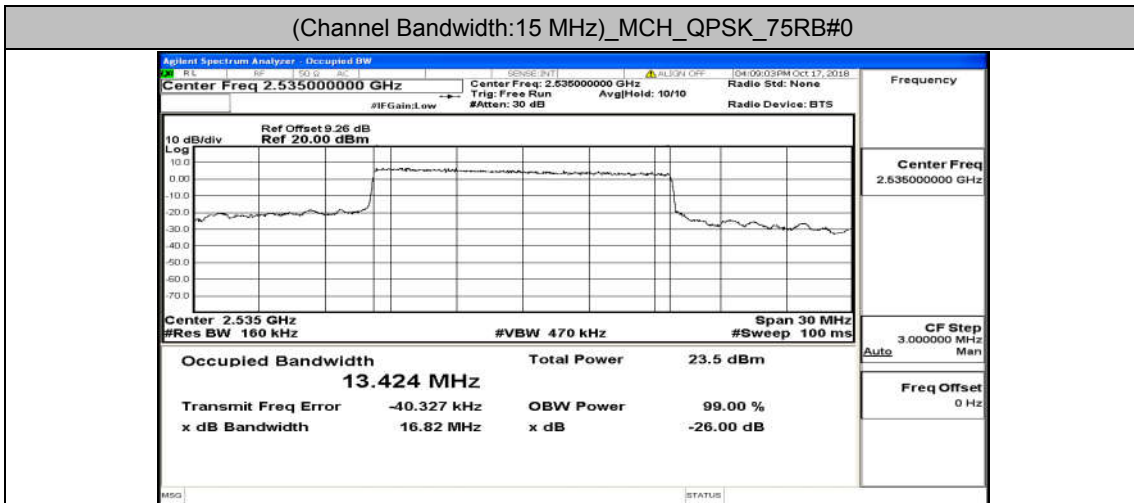
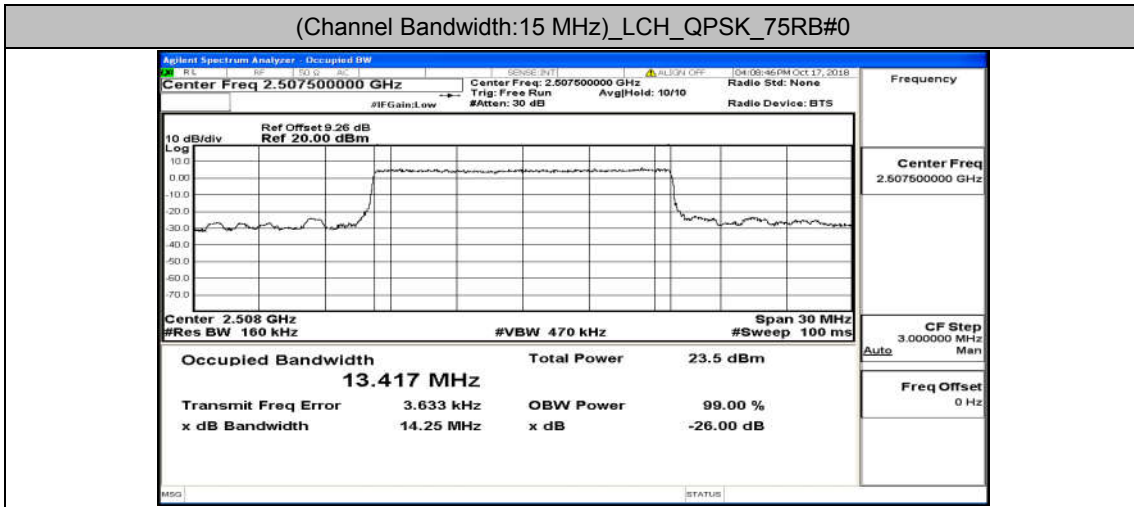


### Channel Bandwidth: 10 MHz

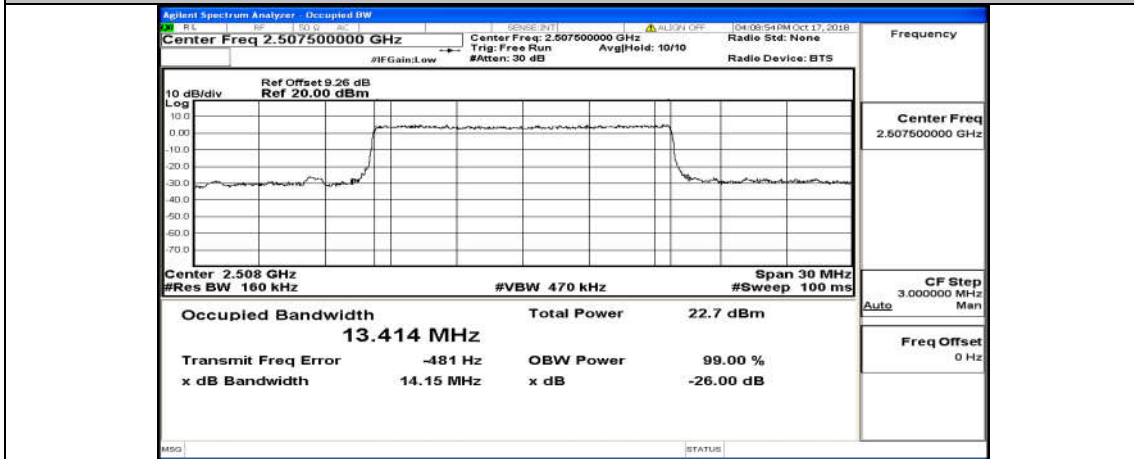




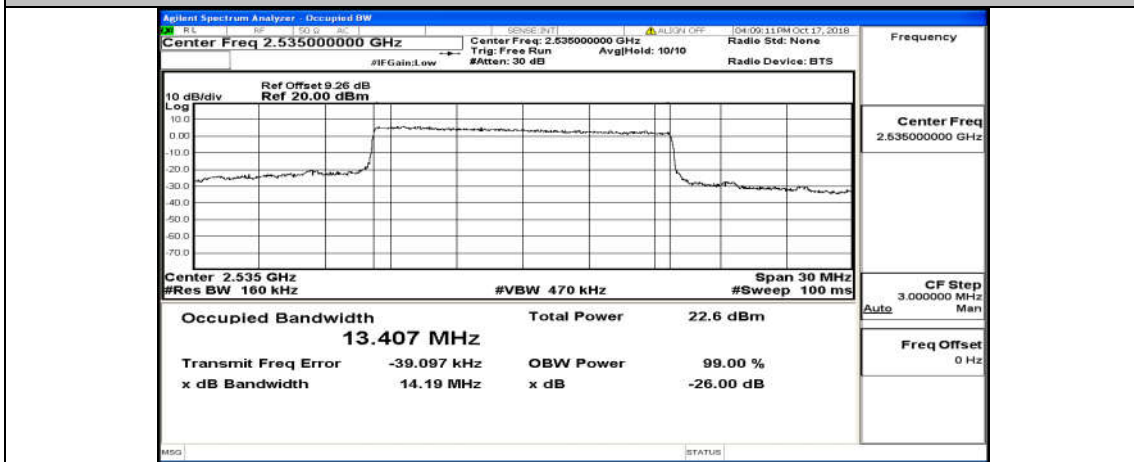
### Channel Bandwidth: 15 MHz



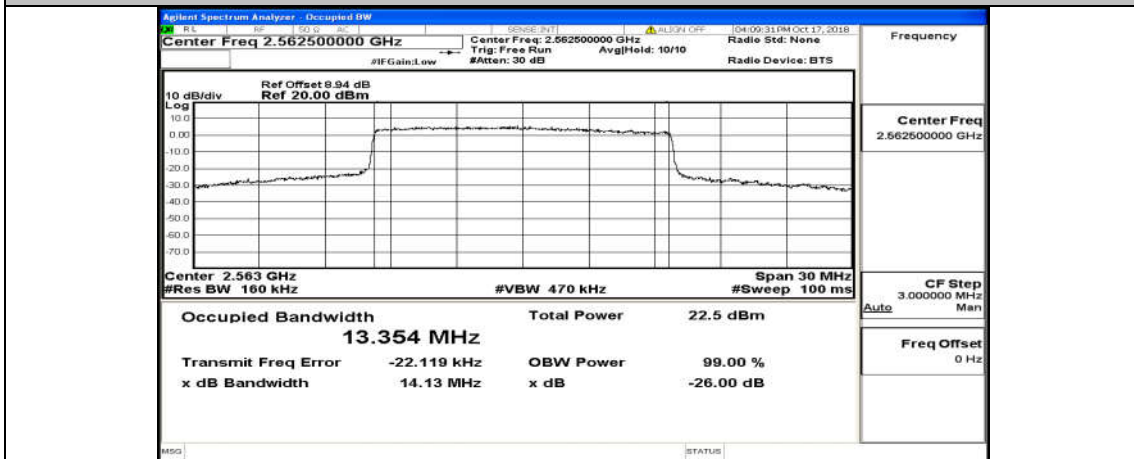
(Channel Bandwidth:15 MHz)\_LCH\_16QAM\_75RB#0



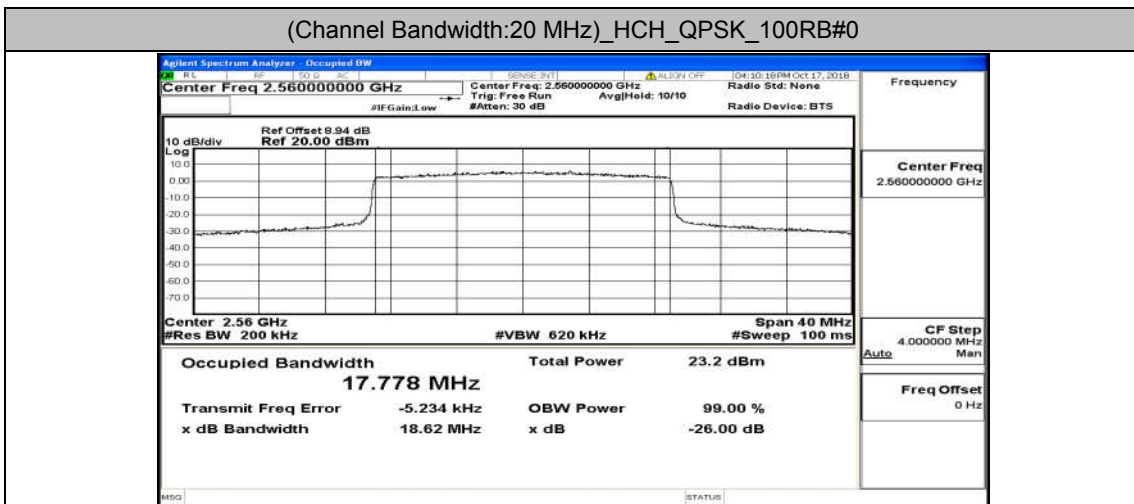
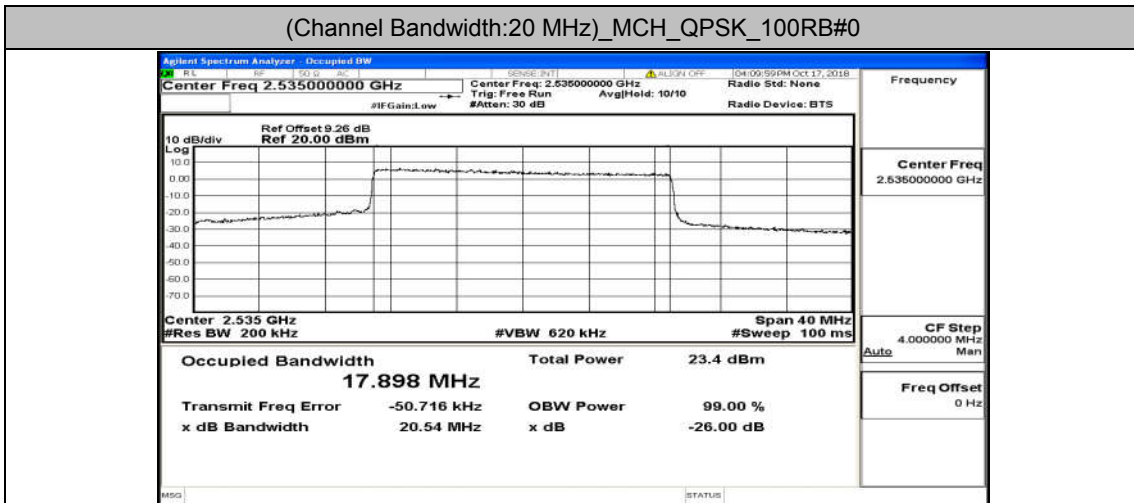
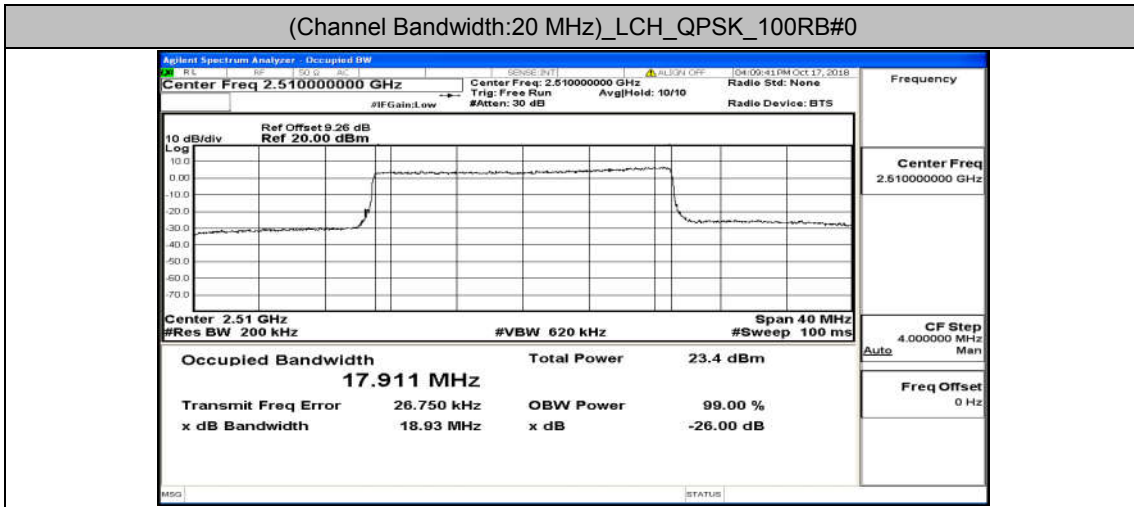
(Channel Bandwidth:15 MHz)\_MCH\_16QAM\_75RB#0



(Channel Bandwidth:15 MHz)\_HCH\_16QAM\_75RB#0

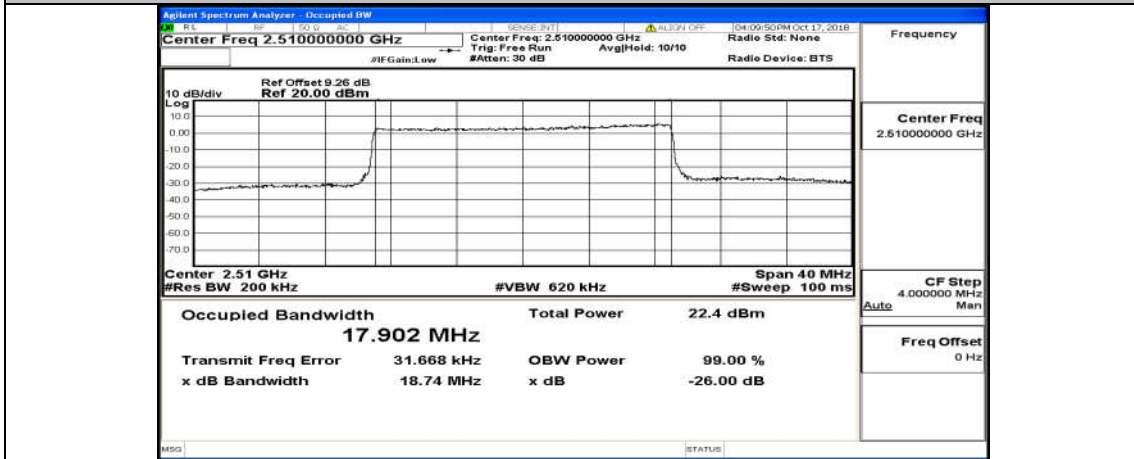


### Channel Bandwidth: 20 MHz

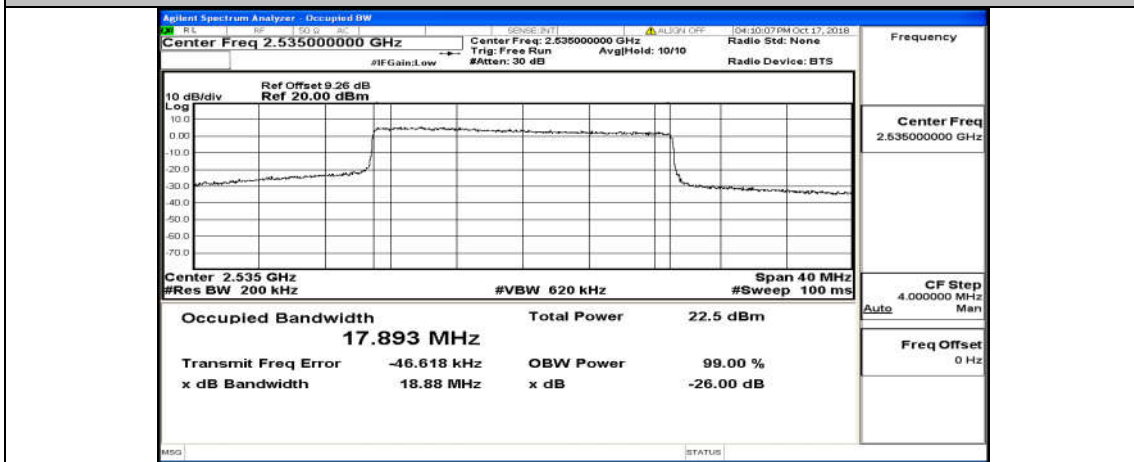




(Channel Bandwidth:20 MHz)\_LCH\_16QAM\_100RB#0



(Channel Bandwidth:20 MHz)\_MCH\_16QAM\_100RB#0



(Channel Bandwidth:20 MHz)\_HCH\_16QAM\_100RB#0

