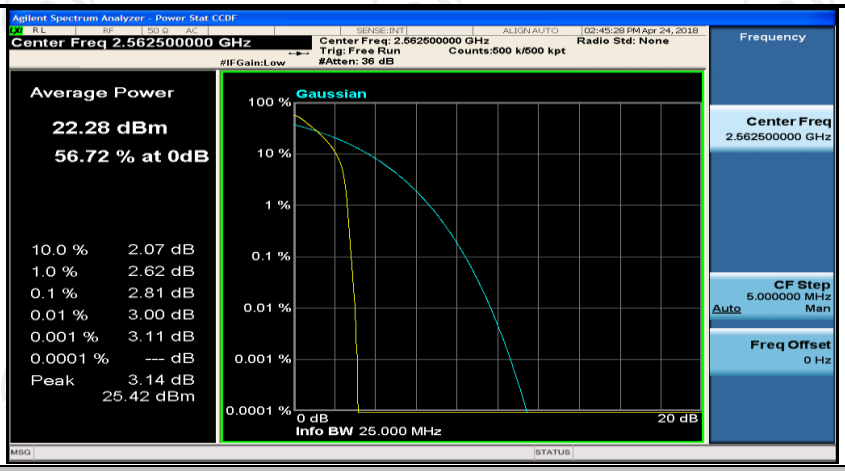
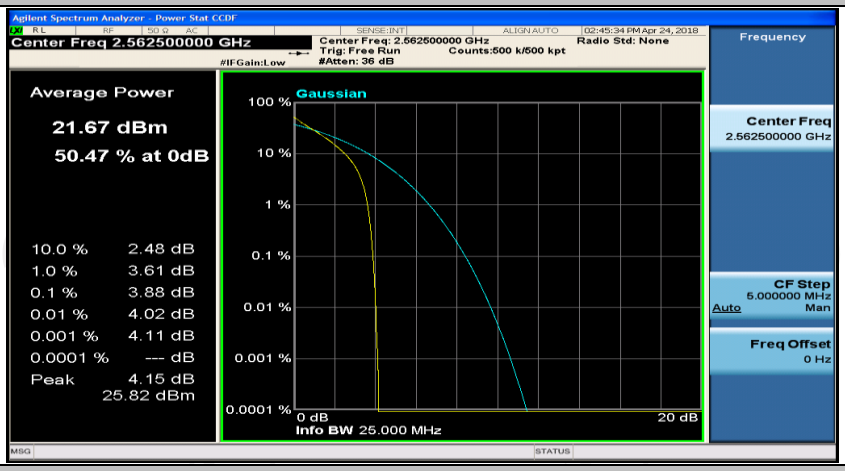
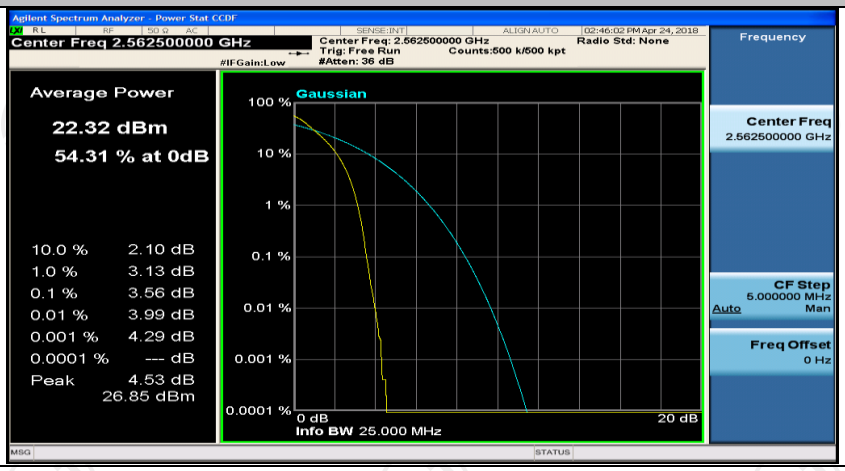


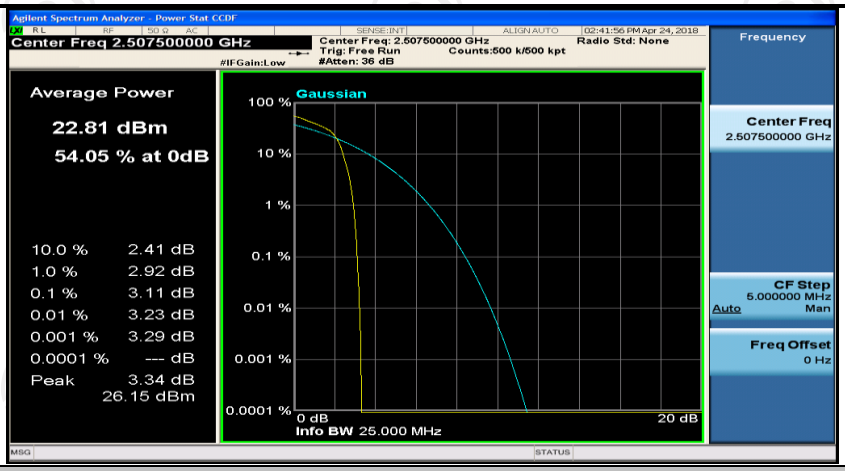
(Channel Bandwidth:15 MHz)_HCH_QPSK_37RB#38



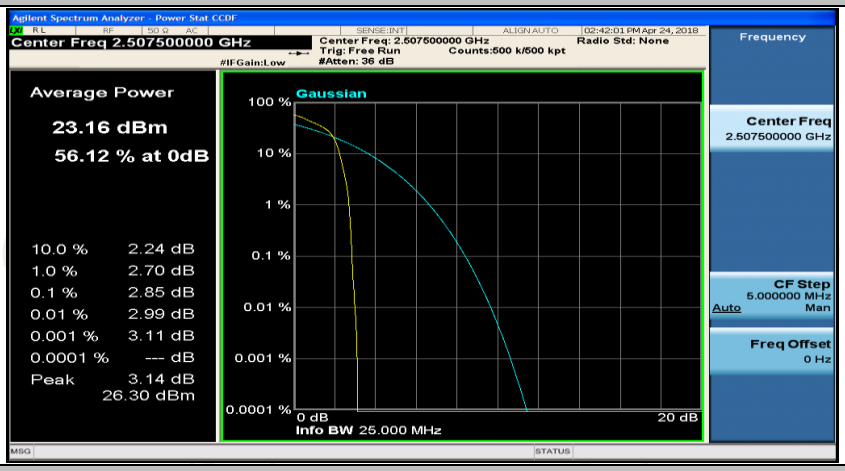
(Channel Bandwidth:15 MHz)_HCH_QPSK_75RB#0



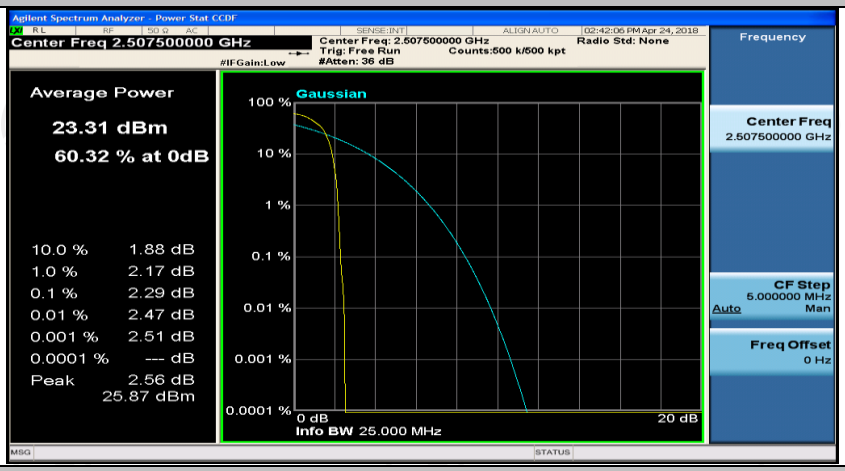
(Channel Bandwidth:15 MHz)_LCH_16QAM_1RB#0



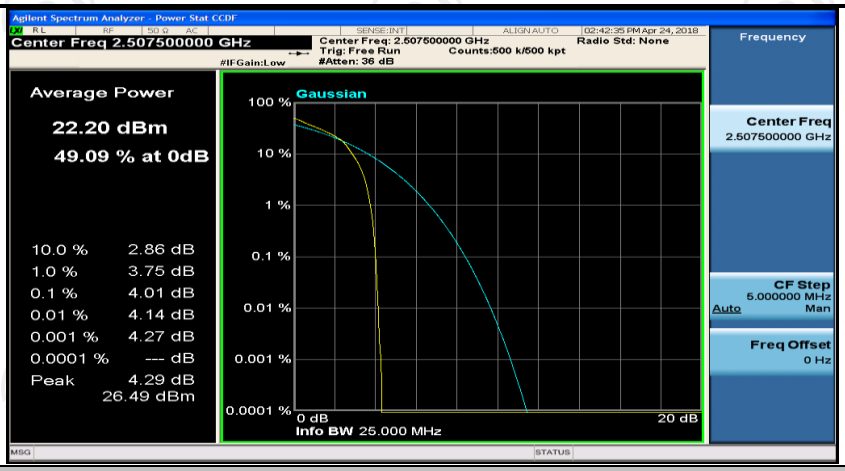
(Channel Bandwidth:15 MHz)_LCH_16QAM_1RB#37



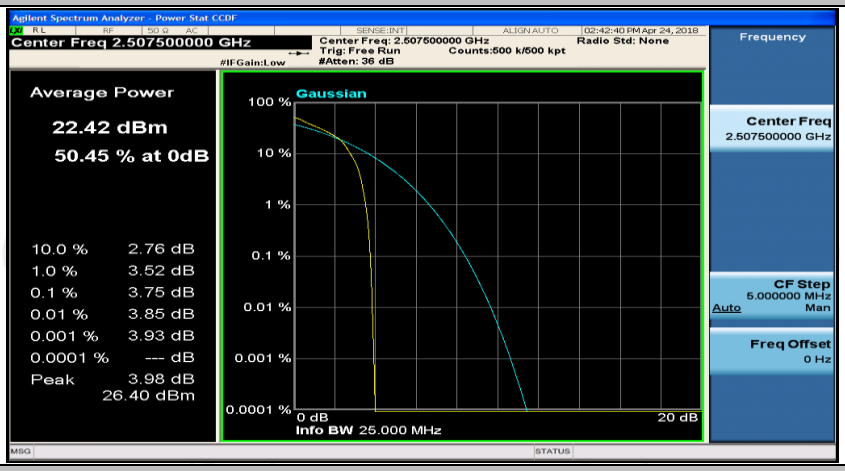
(Channel Bandwidth:15 MHz)_LCH_16QAM_1RB#74



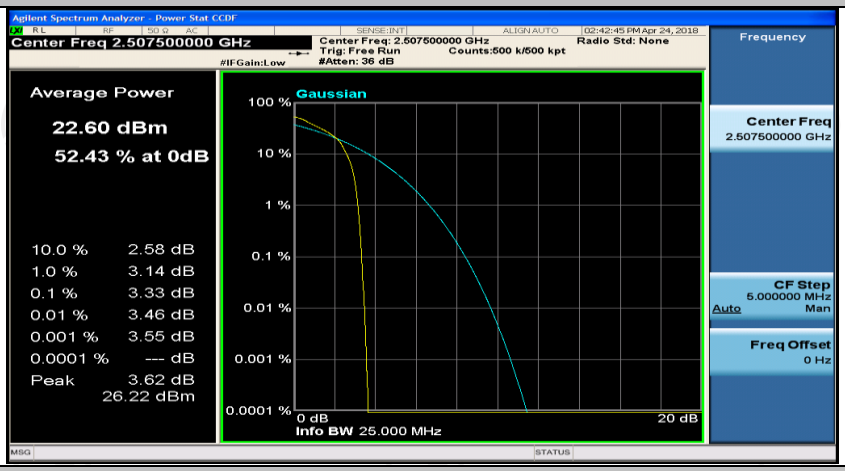
(Channel Bandwidth:15 MHz)_LCH_16QAM_37RB#0



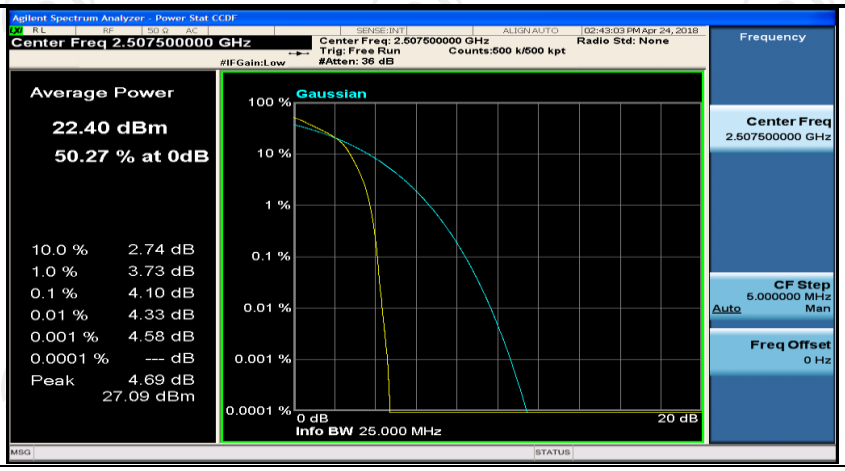
(Channel Bandwidth:15 MHz)_LCH_16QAM_37RB#18



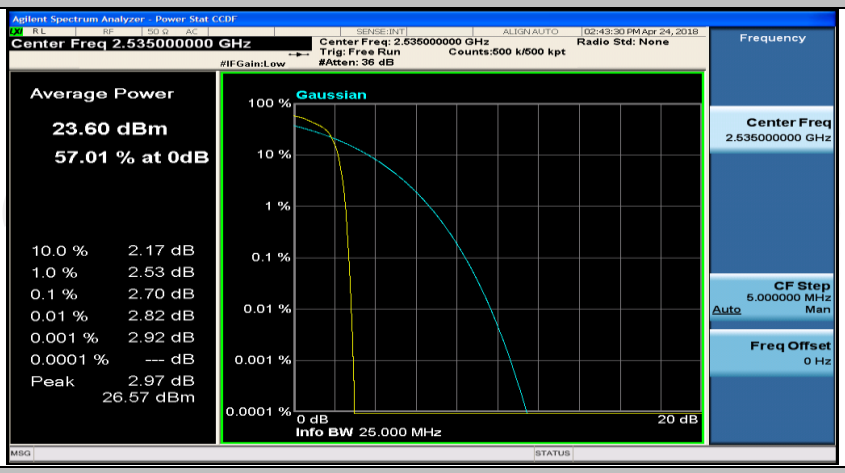
(Channel Bandwidth:15 MHz)_LCH_16QAM_37RB#38



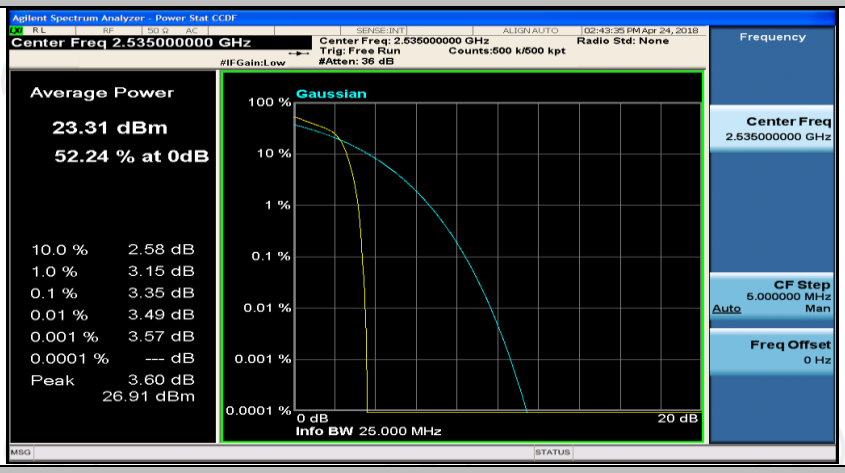
(Channel Bandwidth:15 MHz)_LCH_16QAM_75RB#0



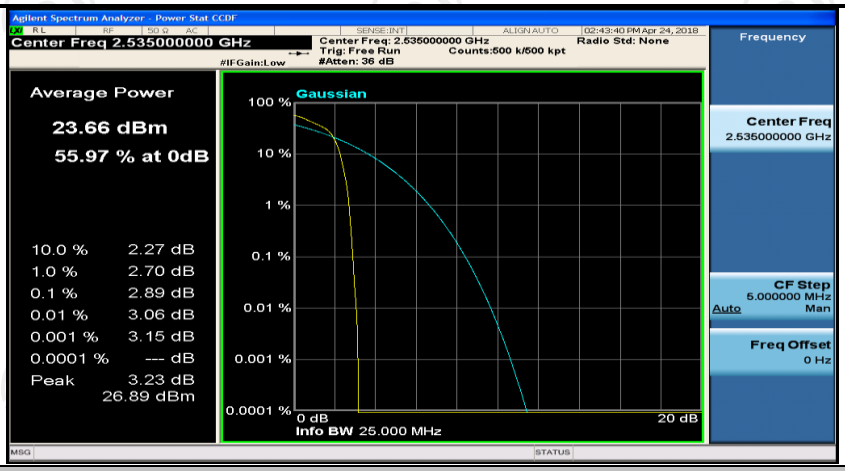
(Channel Bandwidth:15 MHz)_MCH_16QAM_1RB#0



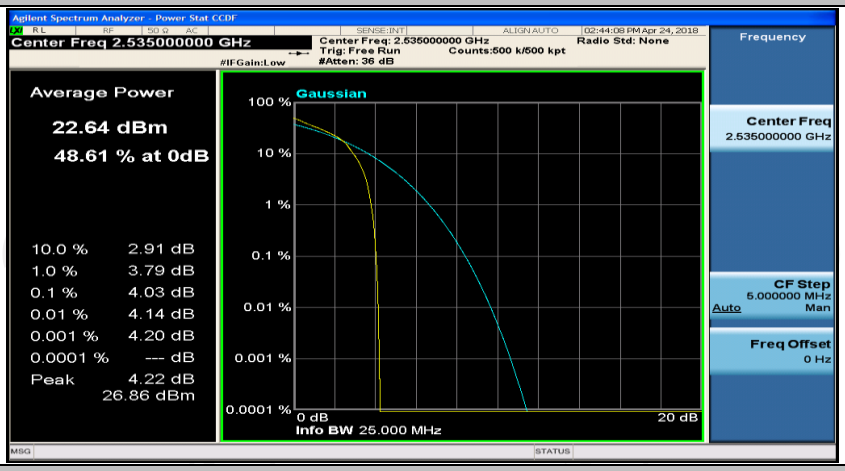
(Channel Bandwidth:15 MHz)_MCH_16QAM_1RB#37



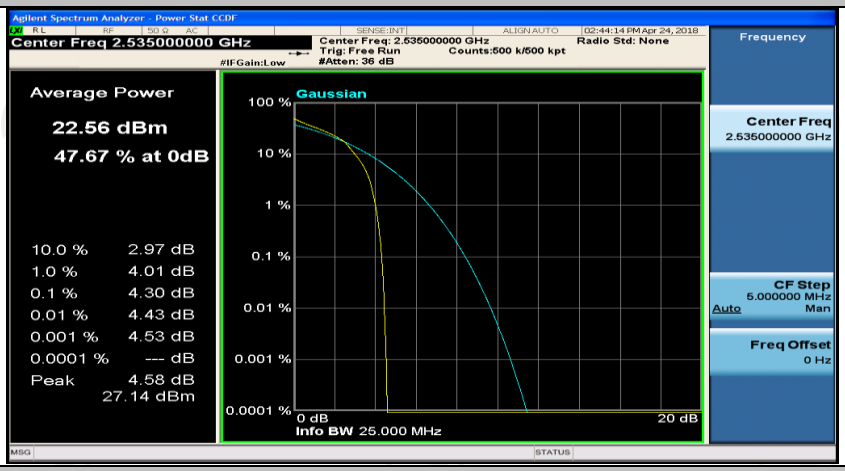
(Channel Bandwidth:15 MHz)_MCH_16QAM_1RB#74



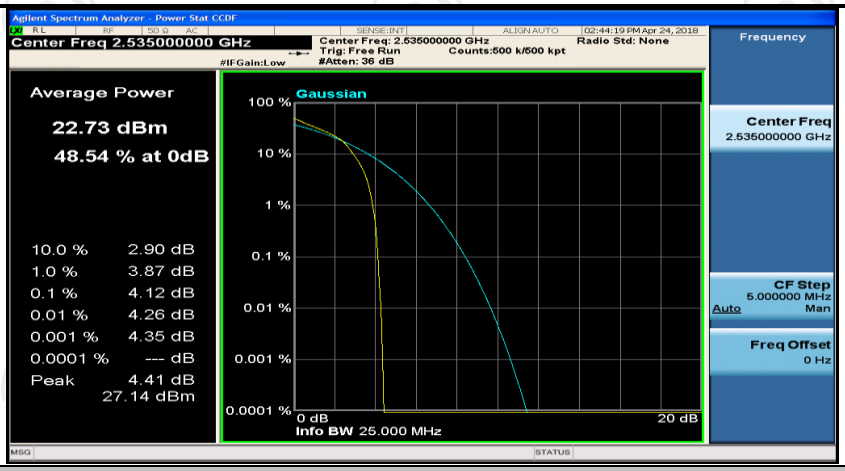
(Channel Bandwidth:15 MHz)_MCH_16QAM_37RB#0



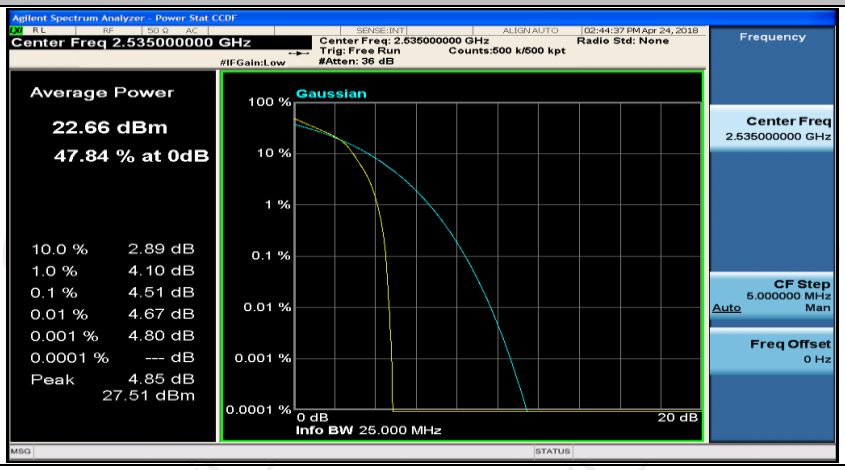
(Channel Bandwidth:15 MHz)_MCH_16QAM_37RB#18



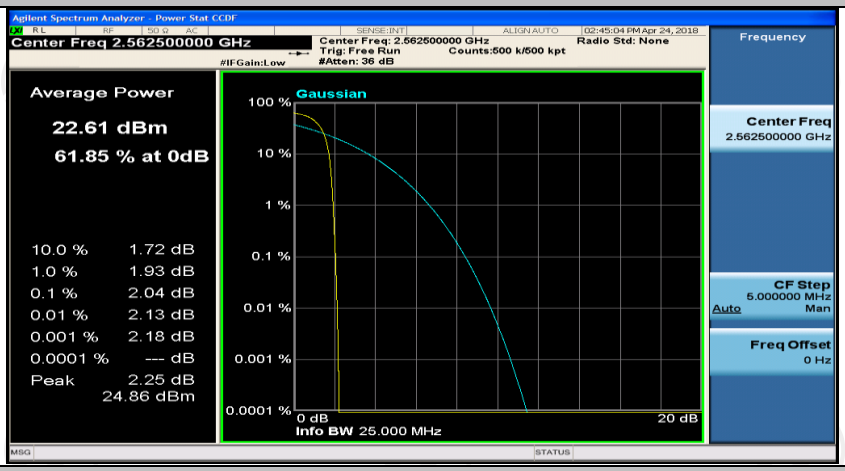
(Channel Bandwidth:15 MHz)_MCH_16QAM_37RB#38



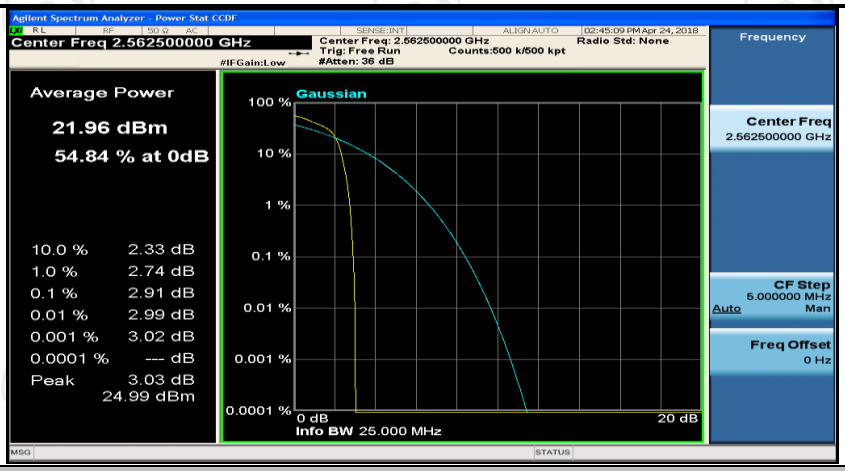
(Channel Bandwidth:15 MHz)_MCH_16QAM_75RB#0



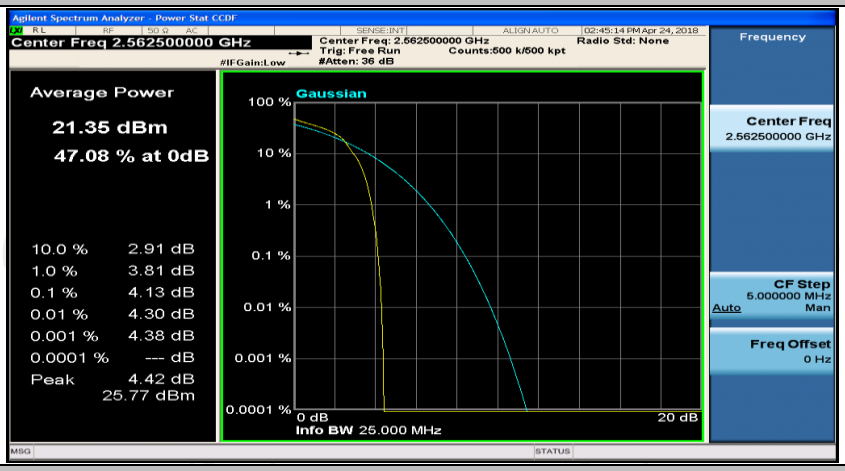
(Channel Bandwidth:15 MHz)_HCH_16QAM_1RB#0



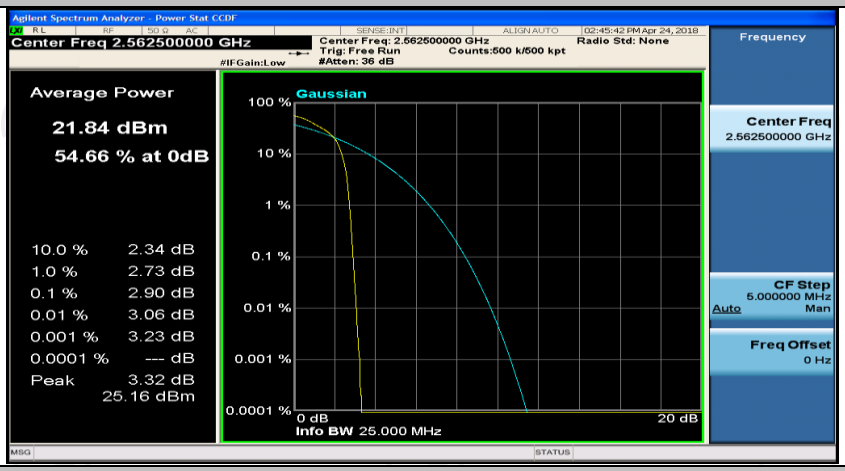
(Channel Bandwidth:15 MHz)_HCH_16QAM_1RB#37



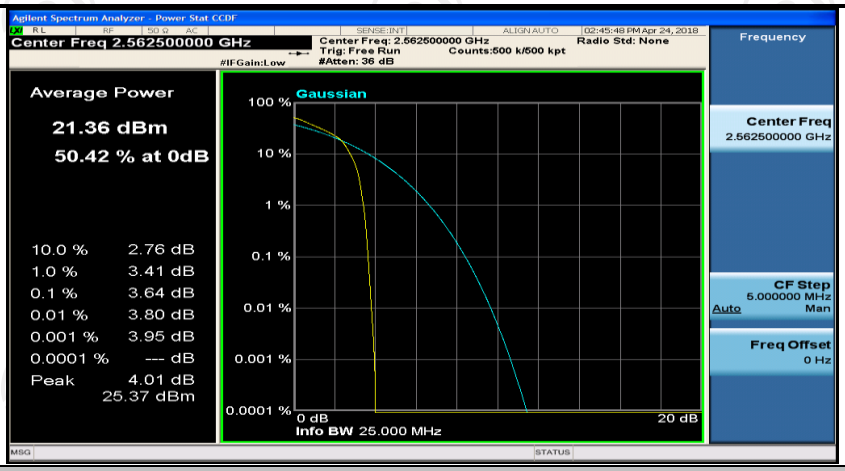
(Channel Bandwidth:15 MHz)_HCH_16QAM_1RB#74



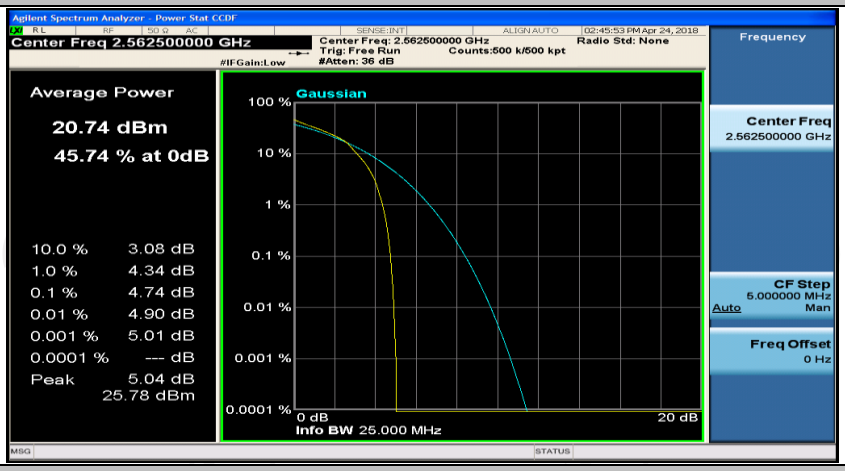
(Channel Bandwidth:15 MHz)_HCH_16QAM_37RB#0



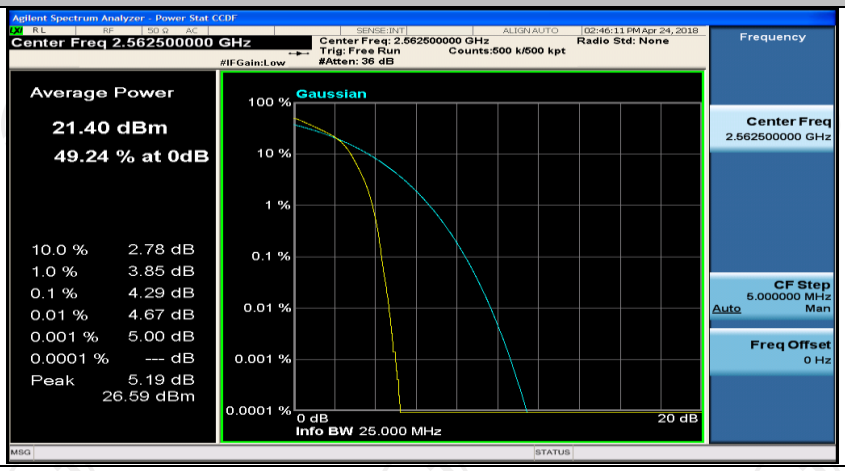
(Channel Bandwidth:15 MHz)_HCH_16QAM_37RB#18



(Channel Bandwidth:15 MHz)_HCH_16QAM_37RB#38

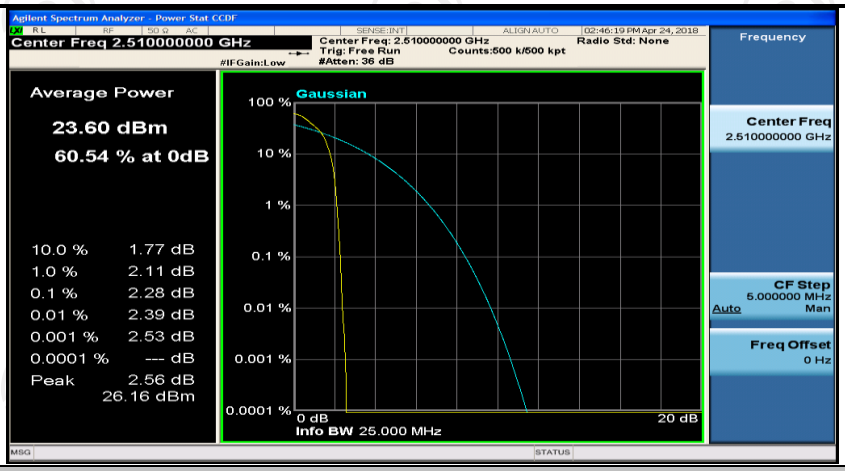


(Channel Bandwidth:15 MHz)_HCH_16QAM_75RB#0

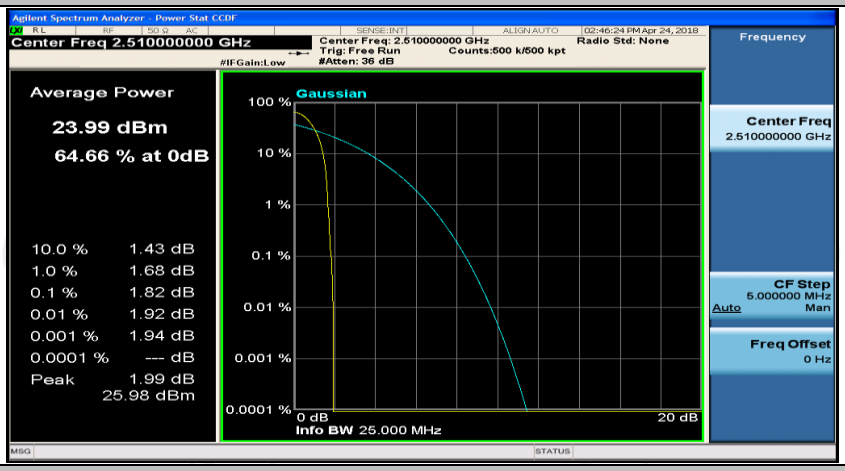


Channel Bandwidth: 20 MHz

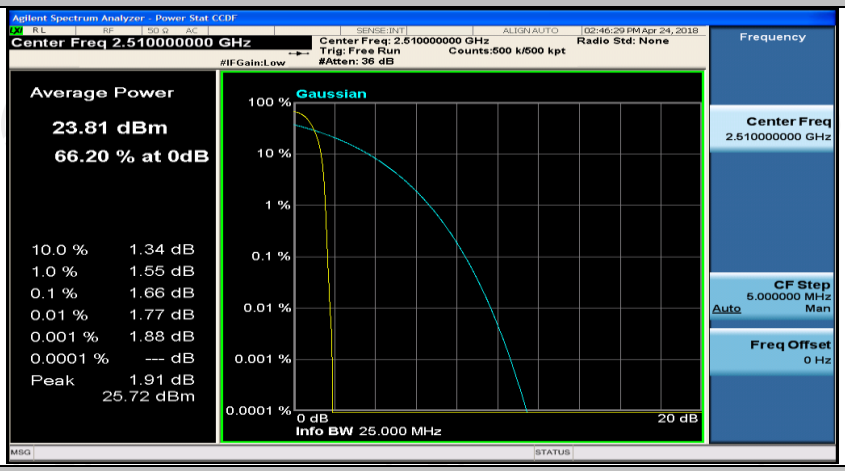
(Channel Bandwidth:20 MHz)_LCH_QPSK_1RB#0



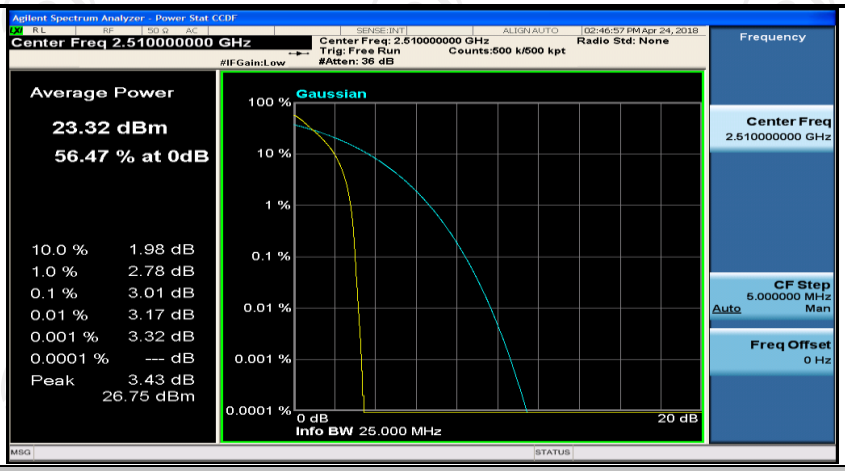
(Channel Bandwidth:20 MHz)_LCH_QPSK_1RB#49



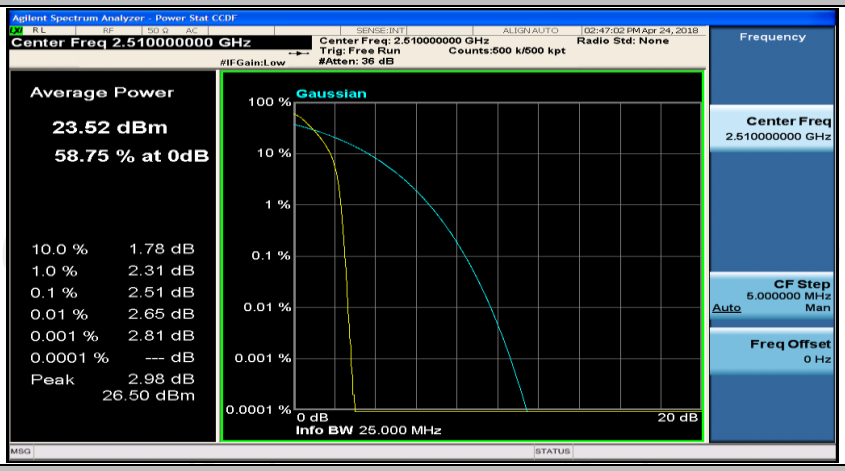
(Channel Bandwidth:20 MHz)_LCH_QPSK_1RB#99



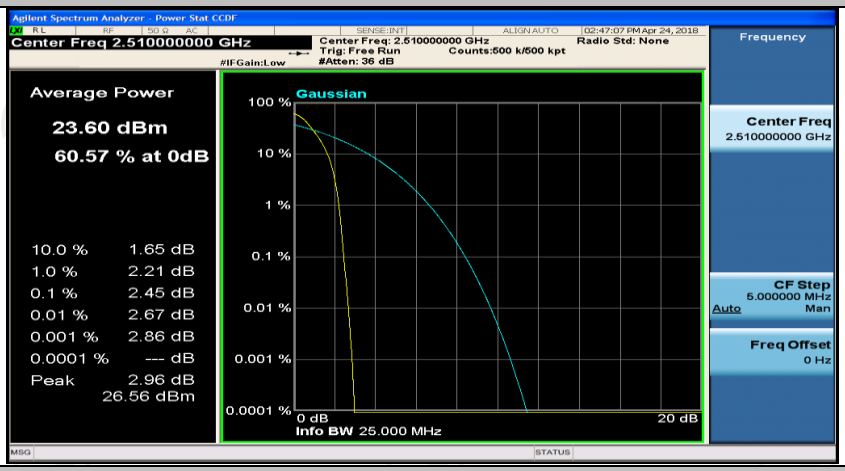
(Channel Bandwidth:20 MHz)_LCH_QPSK_50RB#0



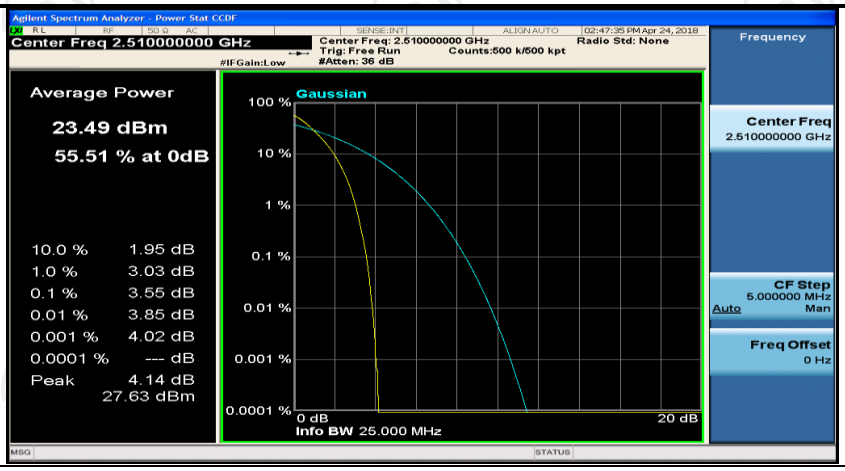
(Channel Bandwidth:20 MHz)_LCH_QPSK_50RB#25



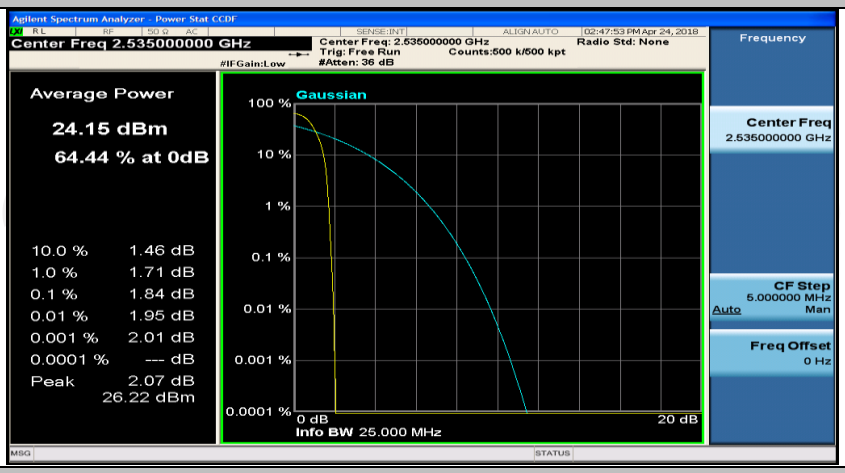
(Channel Bandwidth:20 MHz)_LCH_QPSK_50RB#50



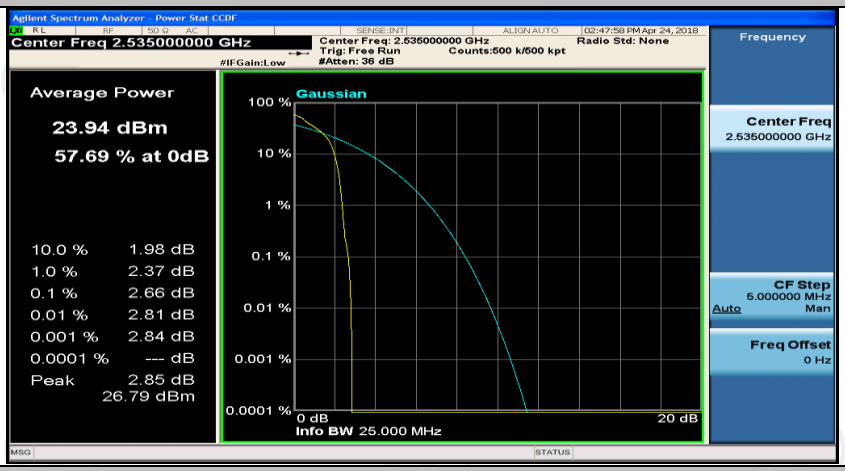
(Channel Bandwidth:20 MHz)_LCH_QPSK_100RB#0



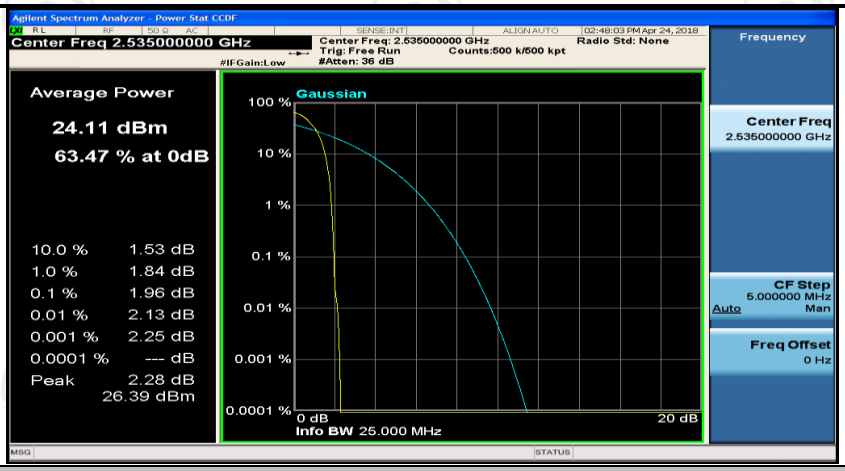
(Channel Bandwidth:20 MHz)_MCH_QPSK_1RB#0



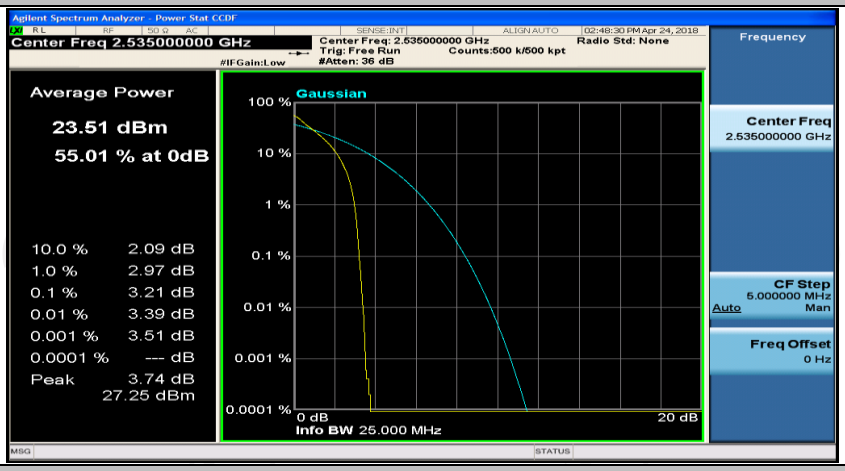
(Channel Bandwidth:20 MHz)_MCH_QPSK_1RB#49



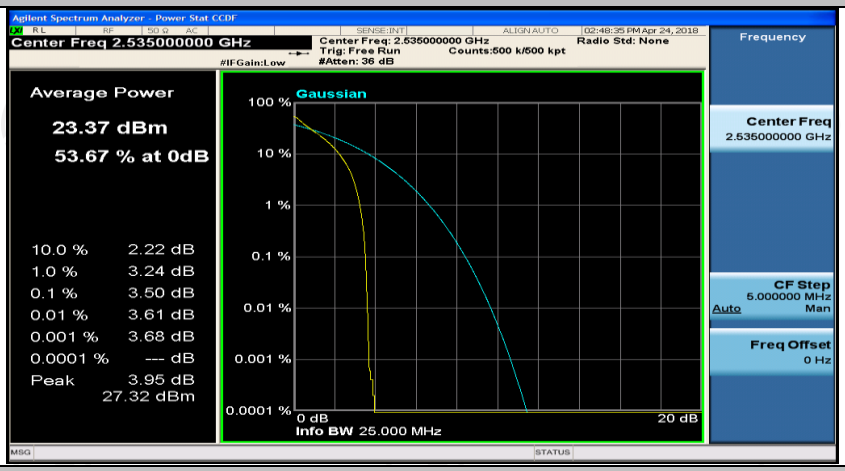
(Channel Bandwidth:20 MHz)_MCH_QPSK_1RB#99



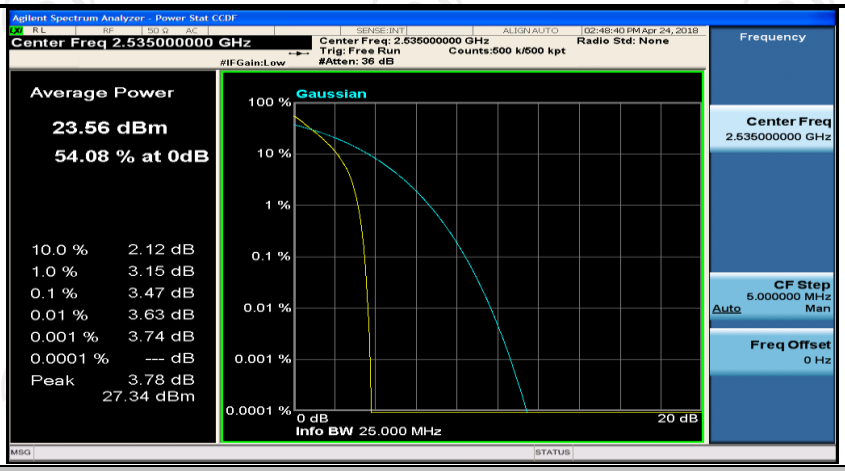
(Channel Bandwidth:20 MHz)_MCH_QPSK_50RB#0



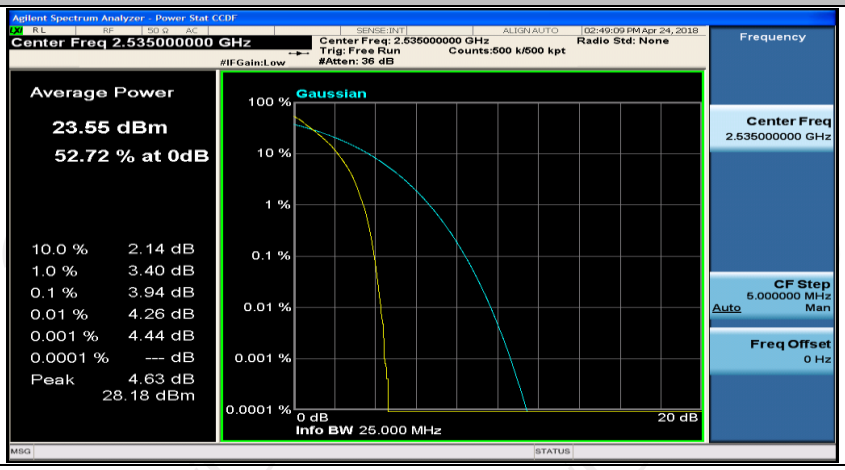
(Channel Bandwidth:20 MHz)_MCH_QPSK_50RB#25



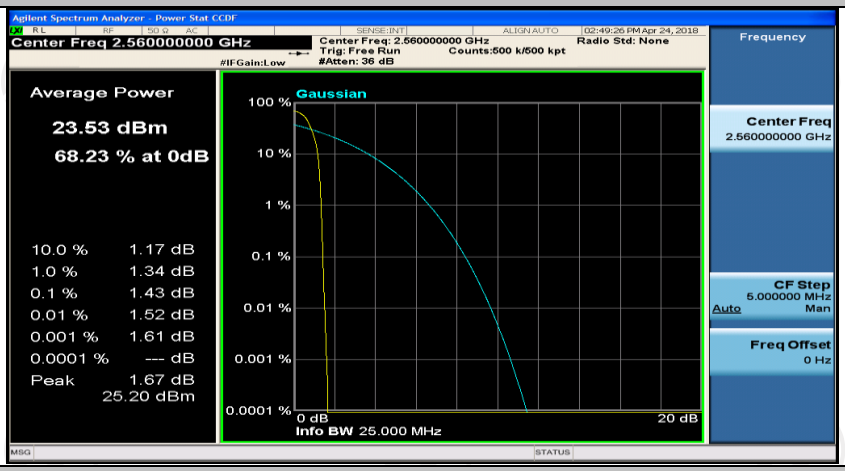
(Channel Bandwidth:20 MHz)_MCH_QPSK_50RB#50



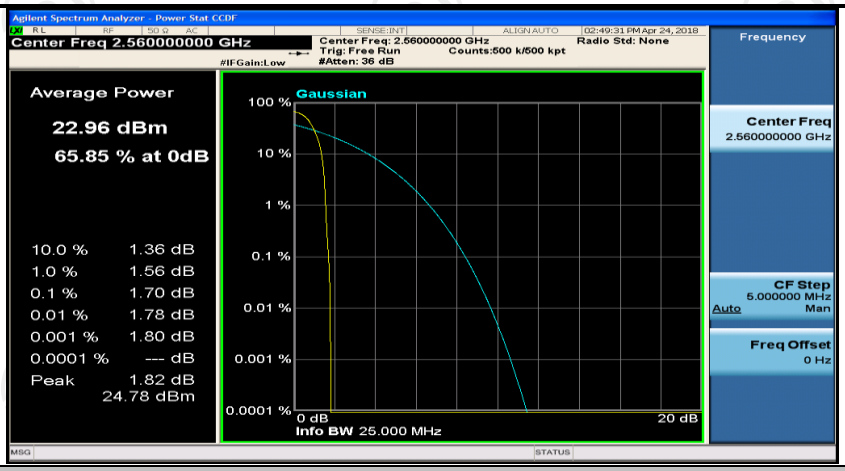
(Channel Bandwidth:20 MHz)_MCH_QPSK_100RB#0



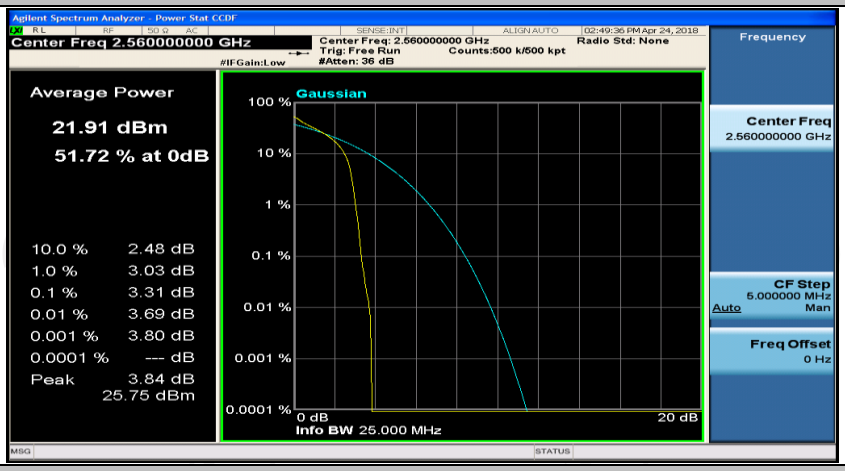
(Channel Bandwidth:20 MHz)_HCH_QPSK_1RB#0



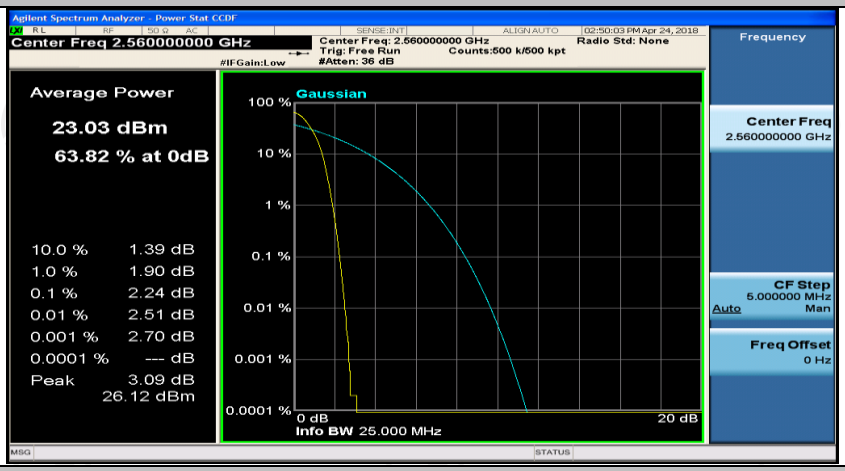
(Channel Bandwidth:20 MHz)_HCH_QPSK_1RB#49



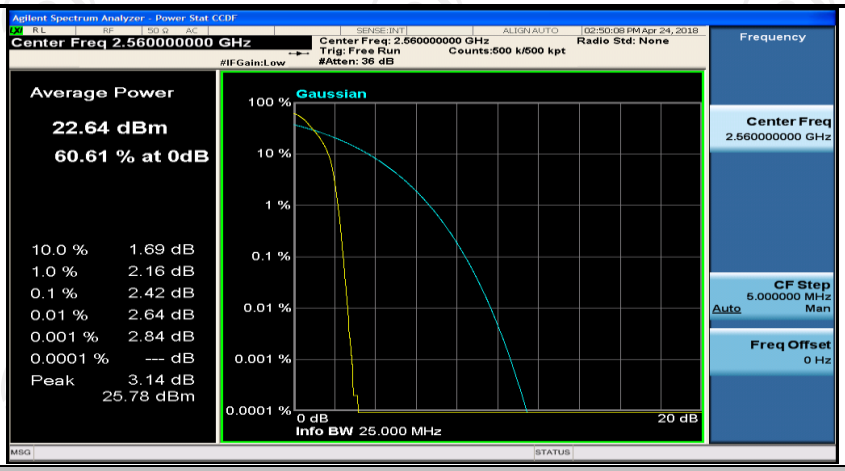
(Channel Bandwidth:20 MHz)_HCH_QPSK_1RB#99



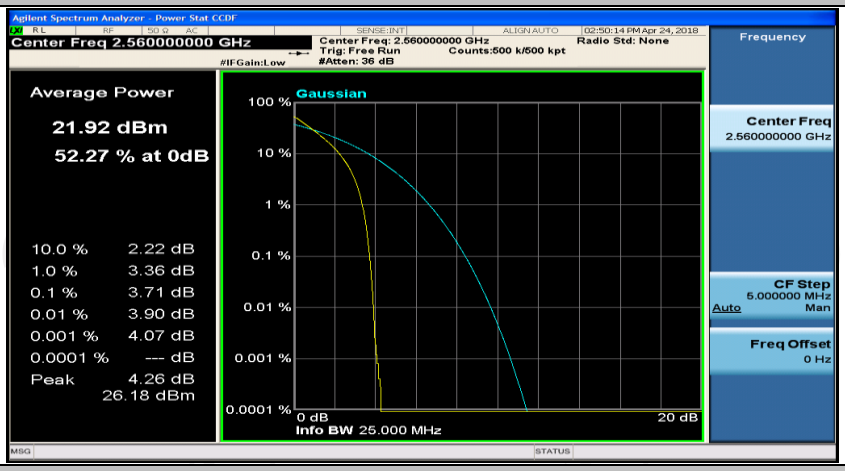
(Channel Bandwidth:20 MHz)_HCH_QPSK_50RB#0



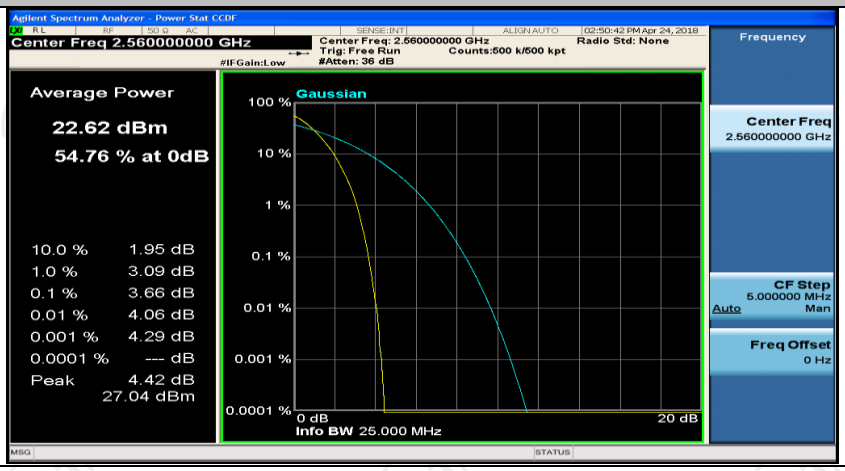
(Channel Bandwidth:20 MHz)_HCH_QPSK_50RB#25



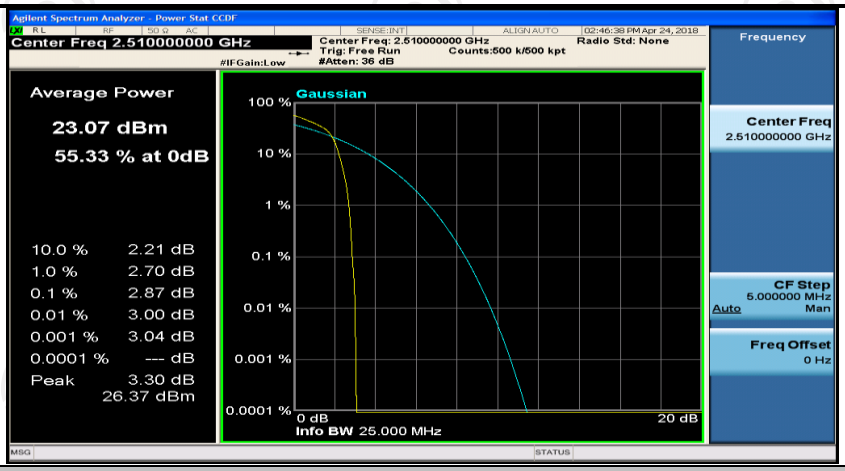
(Channel Bandwidth:20 MHz)_HCH_QPSK_50RB#50



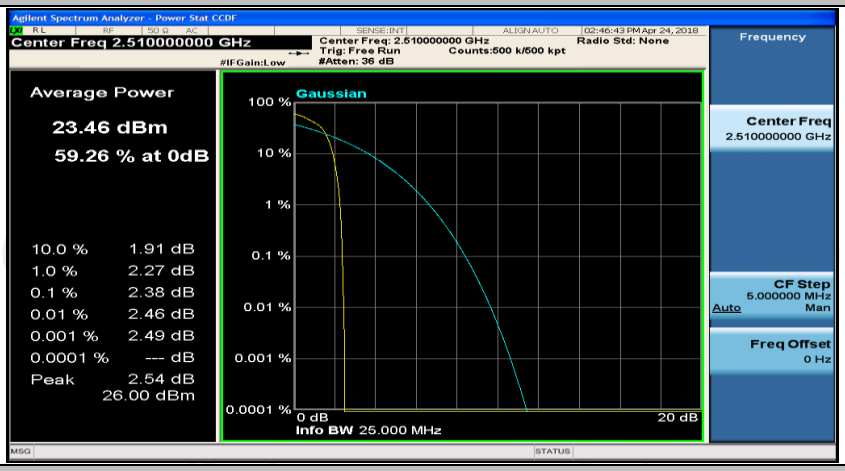
(Channel Bandwidth:20 MHz)_HCH_QPSK_100RB#0



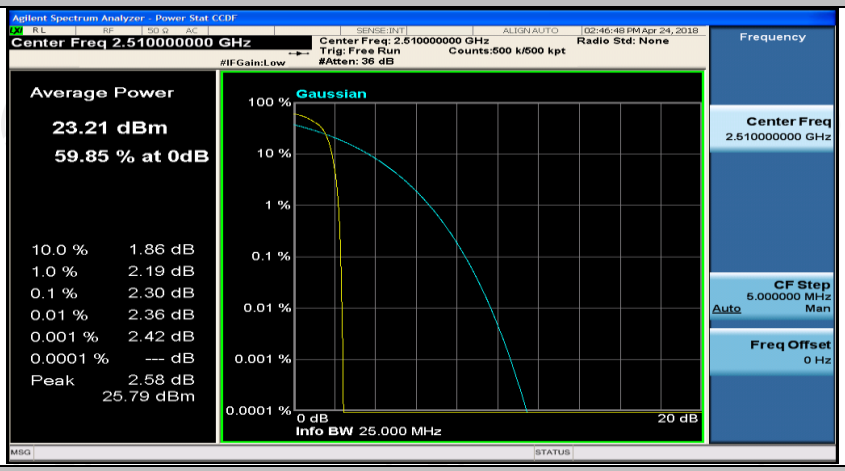
(Channel Bandwidth:20 MHz)_LCH_16QAM_1RB#0



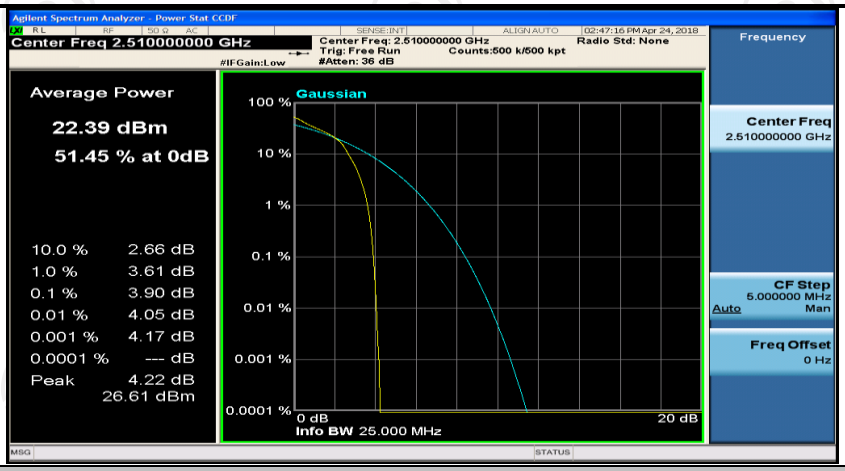
(Channel Bandwidth:20 MHz)_LCH_16QAM_1RB#49



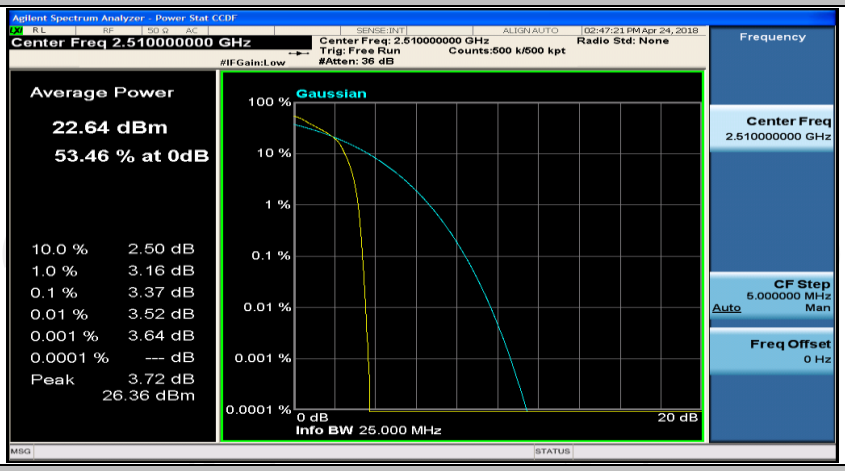
(Channel Bandwidth:20 MHz)_LCH_16QAM_1RB#99



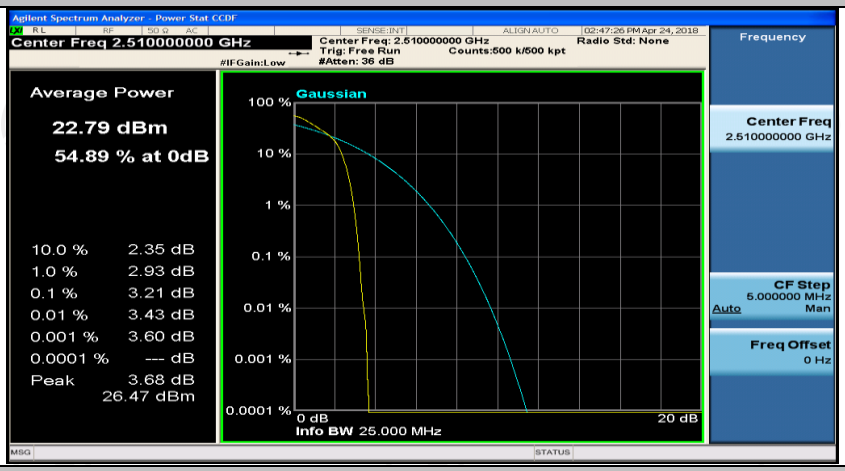
(Channel Bandwidth:20 MHz)_LCH_16QAM_50RB#0



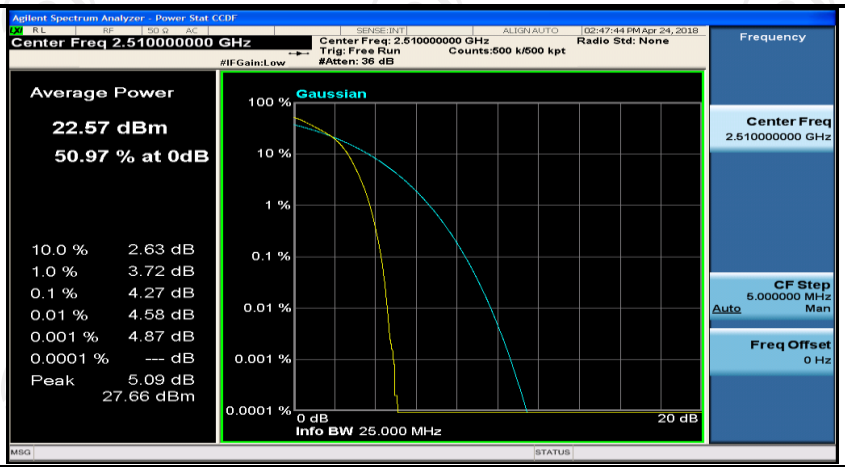
(Channel Bandwidth:20 MHz)_LCH_16QAM_50RB#25



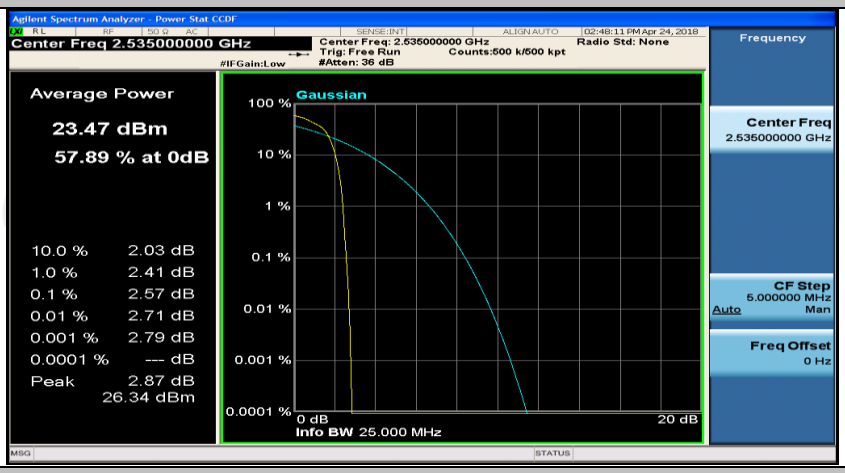
(Channel Bandwidth:20 MHz)_LCH_16QAM_50RB#50



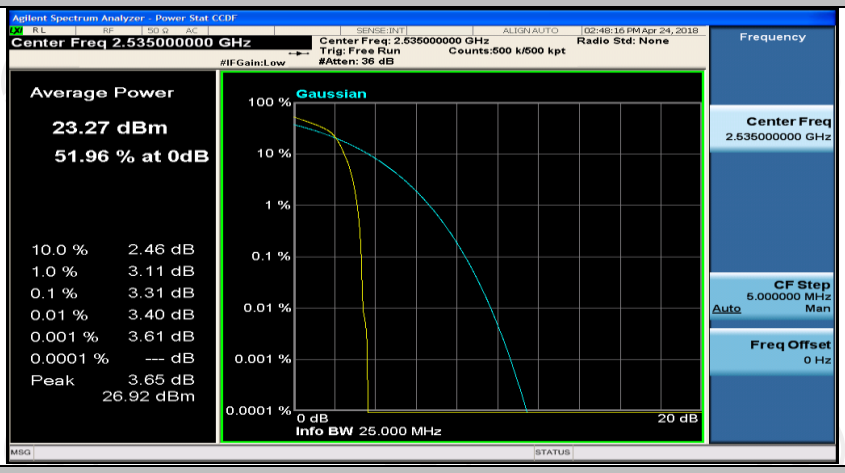
(Channel Bandwidth:20 MHz)_LCH_16QAM_100RB#0



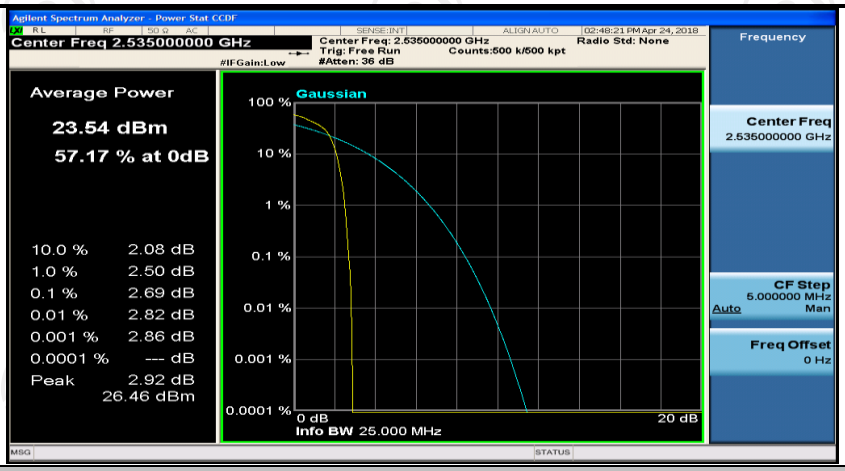
(Channel Bandwidth:20 MHz)_MCH_16QAM_1RB#0



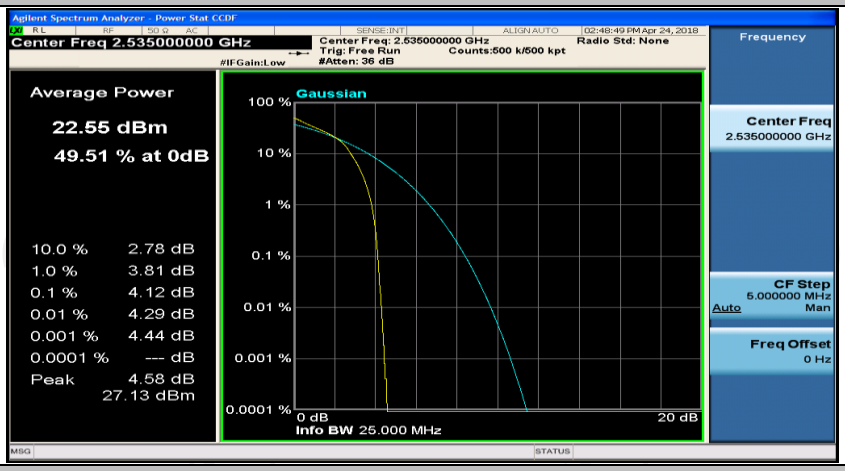
(Channel Bandwidth:20 MHz)_MCH_16QAM_1RB#49



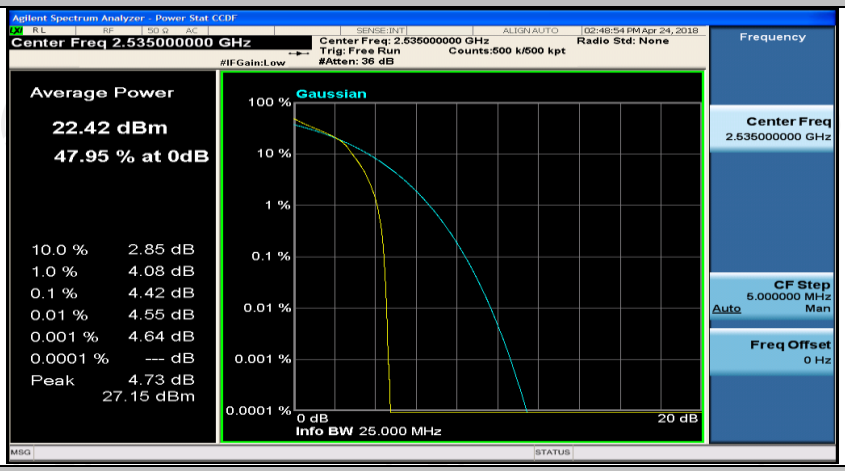
(Channel Bandwidth:20 MHz)_MCH_16QAM_1RB#99



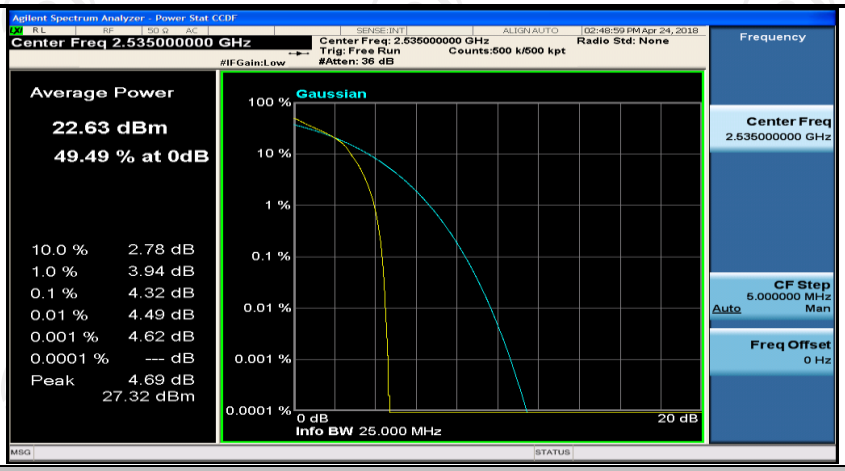
(Channel Bandwidth:20 MHz)_MCH_16QAM_50RB#0



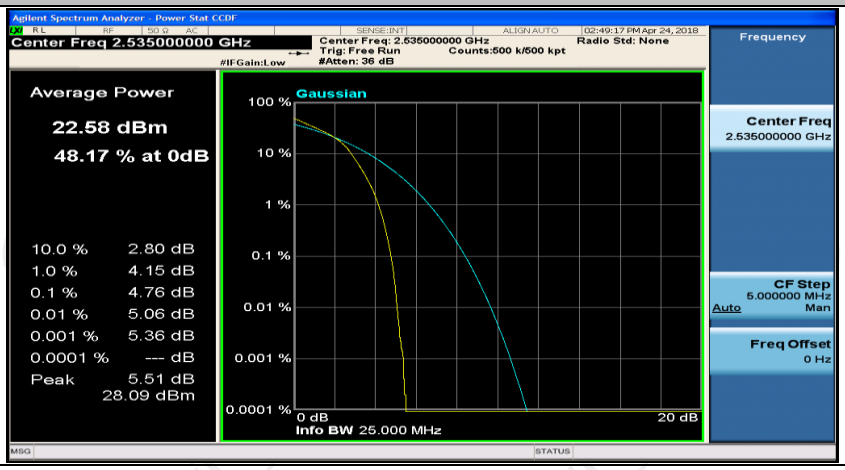
(Channel Bandwidth:20 MHz)_MCH_16QAM_50RB#25



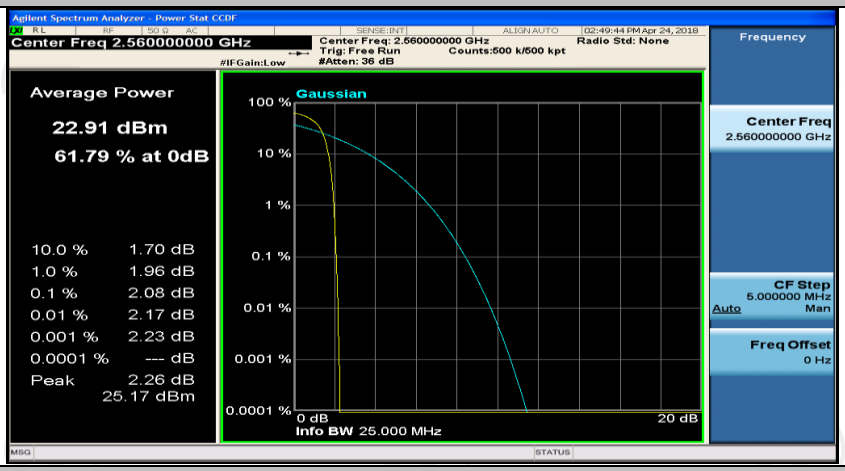
(Channel Bandwidth:20 MHz)_MCH_16QAM_50RB#50



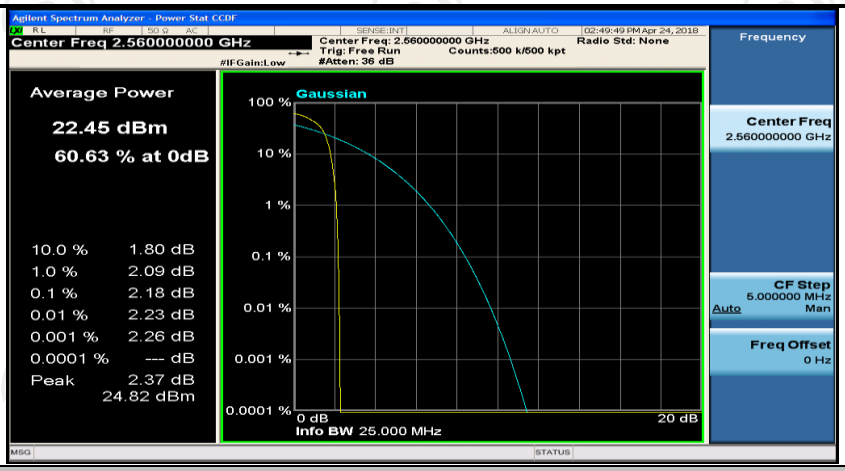
(Channel Bandwidth:20 MHz)_MCH_16QAM_100RB#0



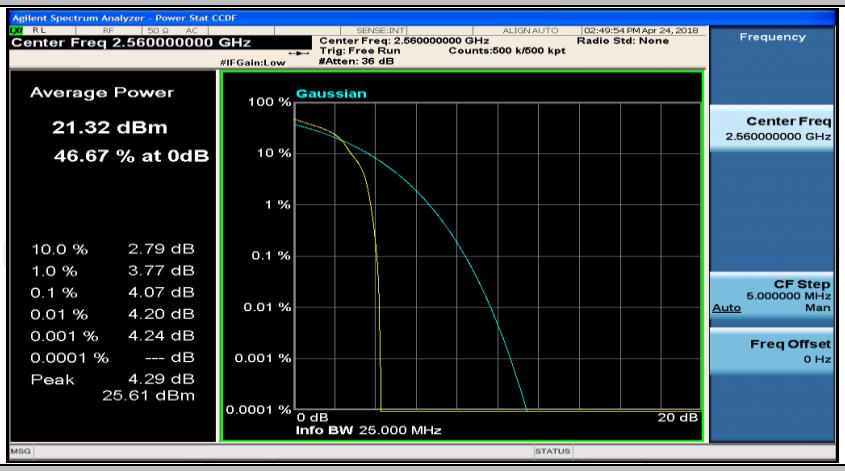
(Channel Bandwidth:20 MHz)_HCH_16QAM_1RB#0



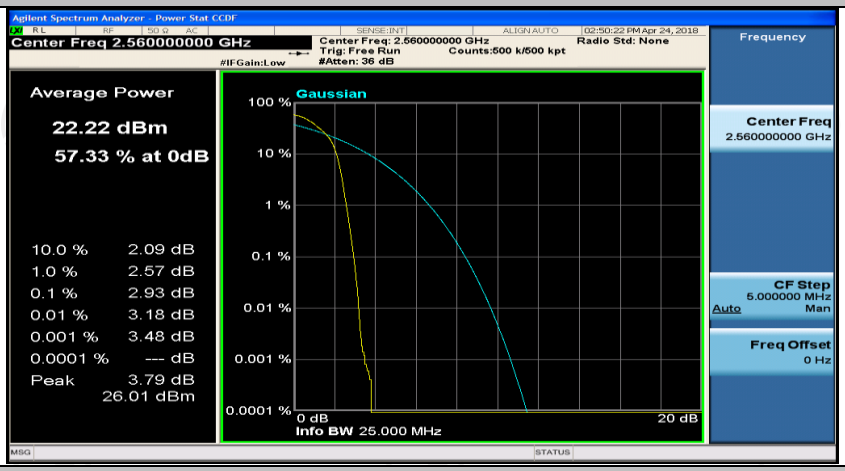
(Channel Bandwidth:20 MHz)_HCH_16QAM_1RB#49



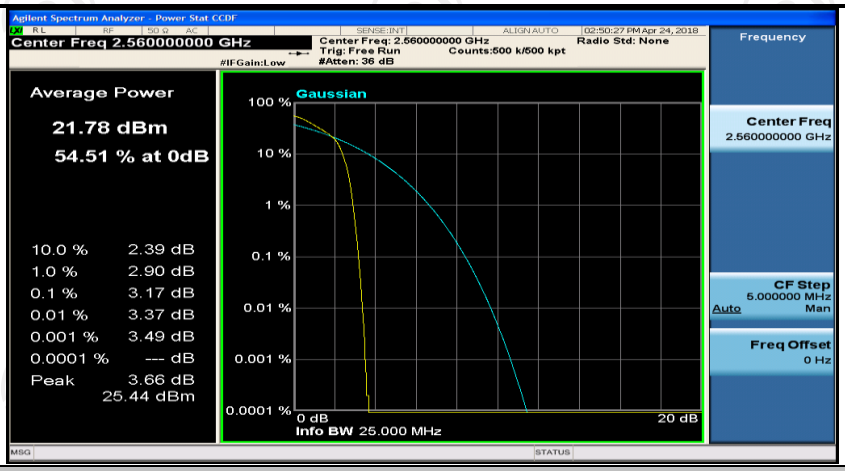
(Channel Bandwidth:20 MHz)_HCH_16QAM_1RB#99



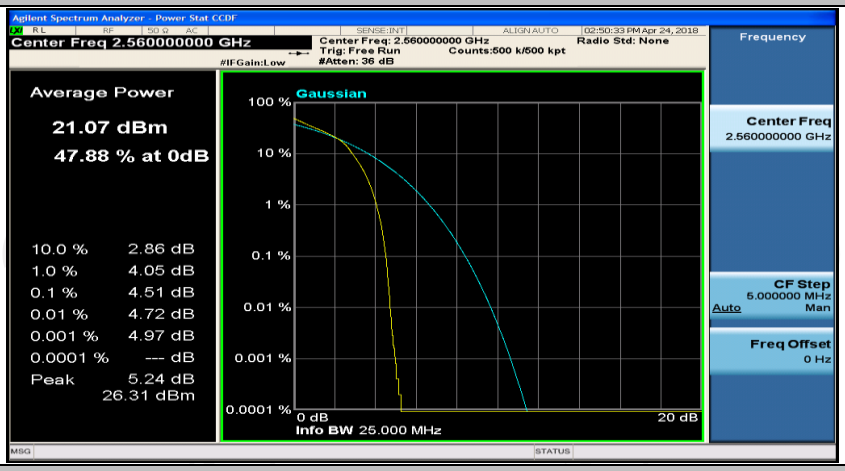
(Channel Bandwidth:20 MHz)_HCH_16QAM_50RB#0



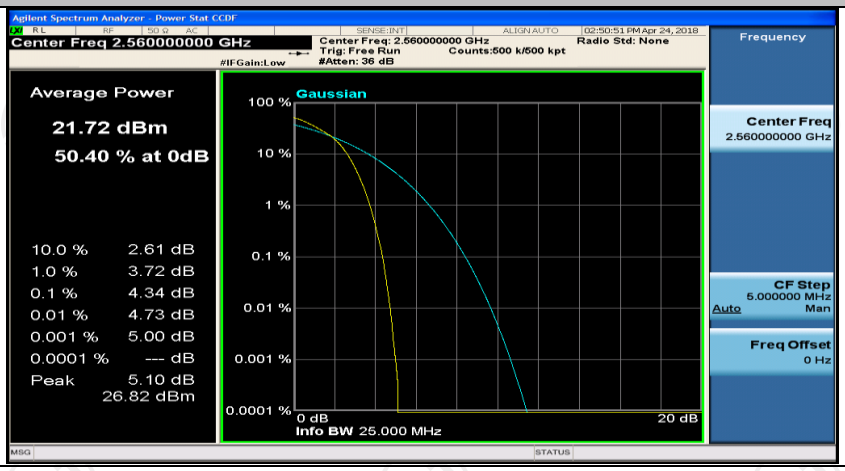
(Channel Bandwidth:20 MHz)_HCH_16QAM_50RB#25



(Channel Bandwidth:20 MHz)_HCH_16QAM_50RB#50



(Channel Bandwidth:20 MHz)_HCH_16QAM_100RB#0



Appendix C: 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	1	0	0.36006	0.5722	PASS
		1	12	0.39009	0.6294	PASS
		1	24	0.38035	0.5878	PASS
		12	0	2.1821	2.758	PASS
		12	6	2.1813	2.750	PASS
		12	13	2.1815	2.688	PASS
		25	0	4.4919	4.888	PASS
	MCH	1	0	0.37362	0.5801	PASS
		1	12	0.37683	0.6377	PASS
		1	24	0.38045	0.6116	PASS
		12	0	2.1805	2.783	PASS
		12	6	2.1837	2.716	PASS
		12	13	2.1799	2.585	PASS
		25	0	4.4851	4.937	PASS
	HCH	1	0	0.40314	0.6166	PASS
		1	12	0.39876	0.6348	PASS
		1	24	0.38726	0.5903	PASS
		12	0	2.1880	2.768	PASS
		12	6	2.1870	2.702	PASS
		12	13	2.1826	2.658	PASS
		25	0	4.4882	4.899	PASS
16QAM	LCH	1	0	0.36966	0.5725	PASS
		1	12	0.40301	0.6418	PASS
		1	24	0.39268	0.6444	PASS
		12	0	2.1868	2.570	PASS

		12	6	2.1881	2.909	PASS
		12	13	2.1836	2.608	PASS
		25	0	4.4851	4.827	PASS
	MCH	1	0	0.38439	0.6450	PASS
		1	12	0.38646	0.5985	PASS
		1	24	0.40019	0.6424	PASS
		12	0	2.1896	2.746	PASS
		12	6	2.1877	2.819	PASS
		12	13	2.1804	2.585	PASS
		25	0	4.4903	4.863	PASS
	HCH	1	0	0.41123	0.5814	PASS
		1	12	0.41741	0.6545	PASS
		1	24	0.41561	0.6549	PASS
		12	0	2.1935	3.044	PASS
		12	6	2.1868	2.844	PASS
		12	13	2.1812	2.608	PASS
		25	0	4.4932	4.964	PASS

Channel Bandwidth: 10 MHz

Channel Bandwidth: 10 MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		Size	Offset			
QPSK	LCH	1	0	0.45811	0.6587	PASS
		1	25	0.46546	0.7013	PASS
		1	49	0.45937	0.6920	PASS
		25	0	4.5300	5.251	PASS
		25	12	4.5423	5.508	PASS
		25	25	4.5301	5.812	PASS
		50	0	8.9676	11.46	PASS
	MCH	1	0	0.46876	0.6937	PASS
		1	25	0.47642	0.7217	PASS
		1	49	0.46029	0.6716	PASS
		25	0	4.5323	5.196	PASS
		25	12	4.5307	5.246	PASS
		25	25	4.5309	5.119	PASS
		50	0	8.9498	9.795	PASS
	HCH	1	0	0.47825	0.7059	PASS
		1	25	0.47872	0.7277	PASS
		1	49	0.45455	0.6893	PASS
		25	0	4.5590	8.186	PASS
		25	12	4.5345	5.742	PASS

		25	25	4.5296	5.059	PASS
		50	0	8.9777	11.20	PASS
16QAM	LCH	1	0	0.44958	0.6995	PASS
		1	25	0.47040	0.7254	PASS
		1	49	0.45914	0.7801	PASS
		25	0	4.5270	5.285	PASS
		25	12	4.5222	5.408	PASS
		25	25	4.5278	5.467	PASS
		50	0	8.9501	9.631	PASS
	MCH	1	0	0.45782	0.7024	PASS
		1	25	0.46819	0.7480	PASS
		1	49	0.44355	0.6553	PASS
		25	0	4.5100	5.137	PASS
		25	12	4.5220	5.317	PASS
		25	25	4.5235	5.170	PASS
		50	0	8.9406	9.532	PASS
	HCH	1	0	0.46647	0.6839	PASS
		1	25	0.45921	0.6833	PASS
		1	49	0.44464	0.6549	PASS
		25	0	4.5601	7.878	PASS
		25	12	4.5206	5.601	PASS
		25	25	4.5189	5.082	PASS
		50	0	8.9564	10.74	PASS

Channel Bandwidth: 15 MHz

Channel Bandwidth: 15 MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		Size	Offset			
QPSK	LCH	1	0	0.56685	0.8158	PASS
		1	37	0.56322	0.8048	PASS
		1	74	0.55978	0.8020	PASS
		37	0	6.5218	9.239	PASS
		37	18	6.5382	9.298	PASS
		37	38	6.5805	10.34	PASS
		75	0	13.480	21.97	PASS
	MCH	1	0	0.55930	0.8232	PASS
		1	37	0.56468	0.8929	PASS
		1	74	0.54338	0.7938	PASS
		37	0	6.5362	9.229	PASS
		37	18	6.5073	7.354	PASS

		37	38	6.5187	8.187	PASS
		75	0	13.445	16.58	PASS
	HCH	1	0	0.59326	0.8391	PASS
		1	37	0.56350	0.8561	PASS
		1	74	0.53235	0.7965	PASS
		37	0	6.9272	13.46	PASS
		37	18	6.5567	10.11	PASS
		37	38	6.5107	8.042	PASS
		75	0	13.488	23.85	PASS
16QAM	LCH	1	0	0.56274	0.7651	PASS
		1	37	0.55113	0.8163	PASS
		1	74	0.56734	0.8243	PASS
		37	0	6.5049	7.223	PASS
		37	18	6.5136	9.009	PASS
		37	38	6.5466	9.921	PASS
		75	0	13.441	17.94	PASS
	MCH	1	0	0.55722	0.7373	PASS
		1	37	0.54577	0.7634	PASS
		1	74	0.54625	0.7945	PASS
		37	0	6.5115	7.338	PASS
		37	18	6.5070	7.319	PASS
		37	38	6.5103	7.264	PASS
		75	0	13.440	14.29	PASS
	HCH	1	0	0.57401	0.8145	PASS
		1	37	0.57674	0.8933	PASS
		1	74	0.56527	0.8402	PASS
		37	0	6.6137	12.37	PASS
		37	18	6.5295	9.684	PASS
		37	38	6.5000	7.151	PASS
		75	0	13.461	17.65	PASS

Channel Bandwidth: 20 MHz

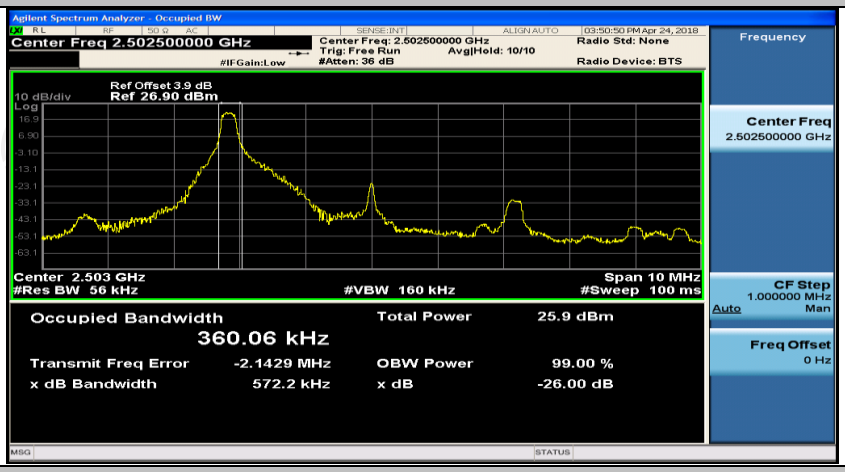
Channel Bandwidth: 20 MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		Size	Offset			
QPSK	LCH	1	0	0.62851	0.9309	PASS
		1	50	0.62042	0.8939	PASS
		1	99	0.62550	0.9298	PASS
		50	0	9.0222	10.99	PASS
		50	25	9.0544	13.53	PASS

		50	50	9.0909	16.73	PASS
		100	0	17.925	27.06	PASS
	MCH	1	0	0.62140	0.9497	PASS
		1	50	0.62098	0.8746	PASS
		1	99	0.61792	0.9584	PASS
		50	0	9.0337	10.34	PASS
		50	25	9.0063	9.980	PASS
		50	50	9.0076	9.828	PASS
		100	0	17.905	18.92	PASS
	HCH	1	0	0.63230	0.9309	PASS
		1	50	0.64686	0.9901	PASS
		1	99	0.60765	0.9138	PASS
		50	0	9.4862	20.68	PASS
		50	25	9.1139	16.62	PASS
		50	50	9.0307	9.907	PASS
		100	0	17.987	29.26	PASS
16QAM	LCH	1	0	0.63618	0.8987	PASS
		1	50	0.61999	0.8848	PASS
		1	99	0.62736	0.9592	PASS
		50	0	9.0139	9.860	PASS
		50	25	9.0354	11.39	PASS
		50	50	9.0584	14.69	PASS
		100	0	17.907	21.49	PASS
	MCH	1	0	0.63178	0.9011	PASS
		1	50	0.61499	0.8899	PASS
		1	99	0.61761	0.9580	PASS
		50	0	9.0177	9.835	PASS
		50	25	8.9999	9.830	PASS
		50	50	9.0022	9.776	PASS
		100	0	17.880	18.74	PASS
	HCH	1	0	0.63521	0.8795	PASS
		1	50	0.62441	0.8962	PASS
		1	99	0.60902	0.9262	PASS
		50	0	9.1816	18.65	PASS
		50	25	9.0927	14.83	PASS
		50	50	9.0086	9.797	PASS
		100	0	17.959	25.65	PASS

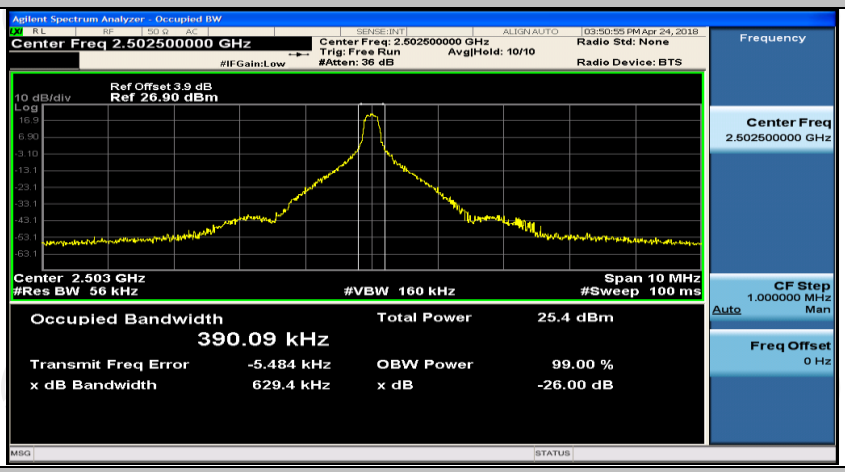
Test Graphs

Channel Bandwidth: 5 MHz

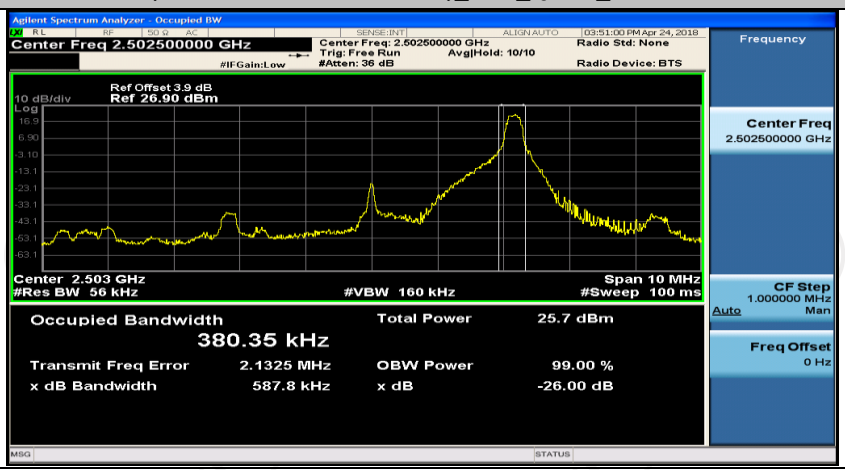
(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#0



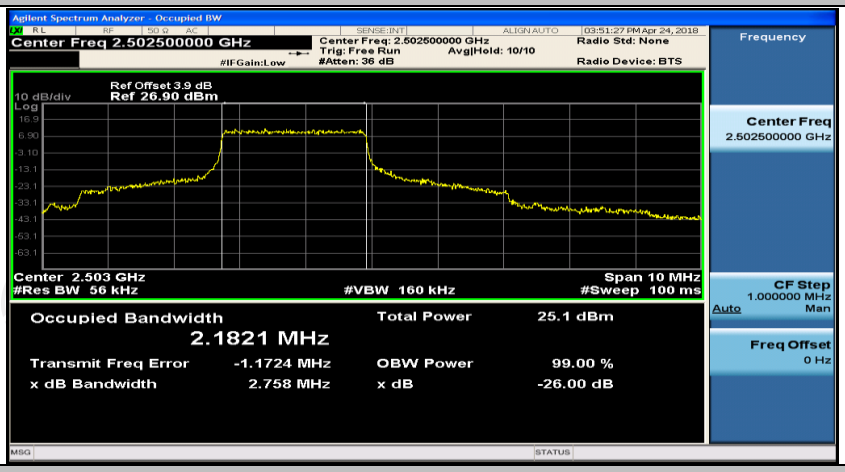
(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#12



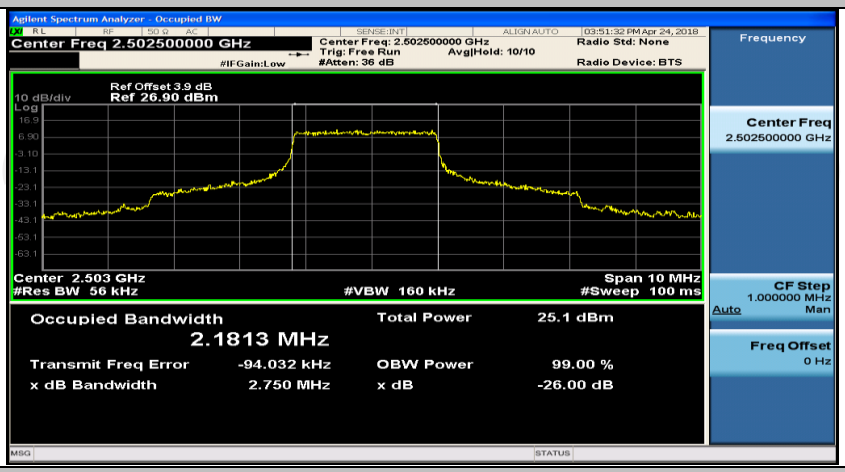
(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#24



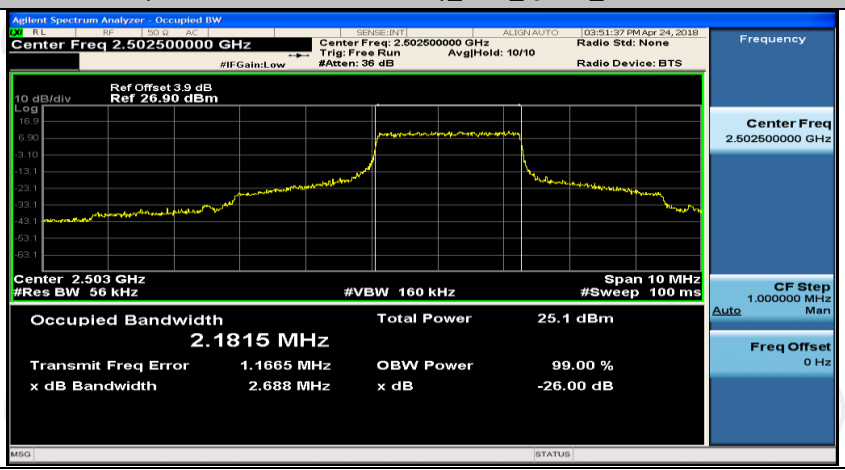
(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#0



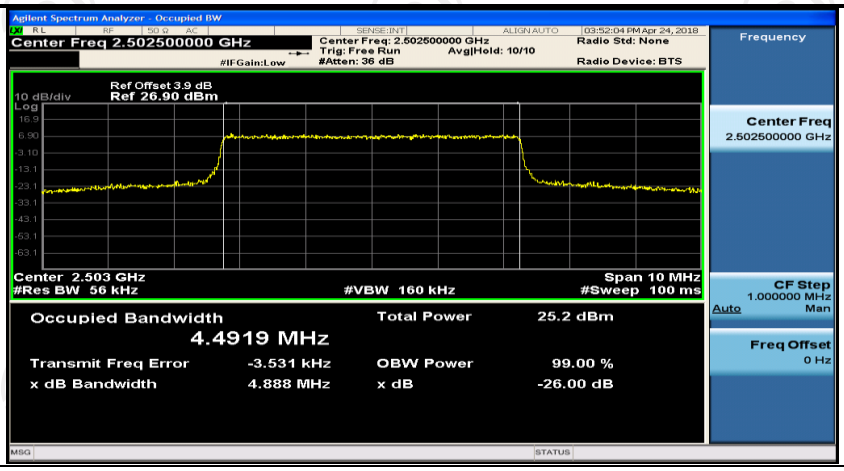
(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#6



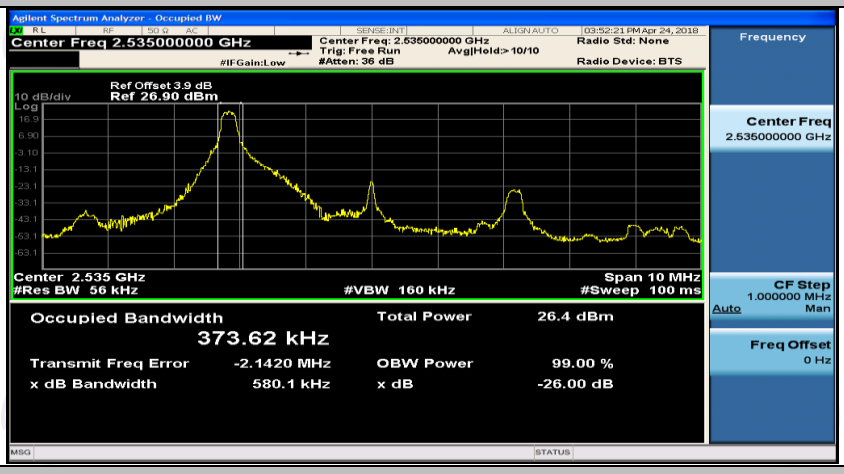
(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#13



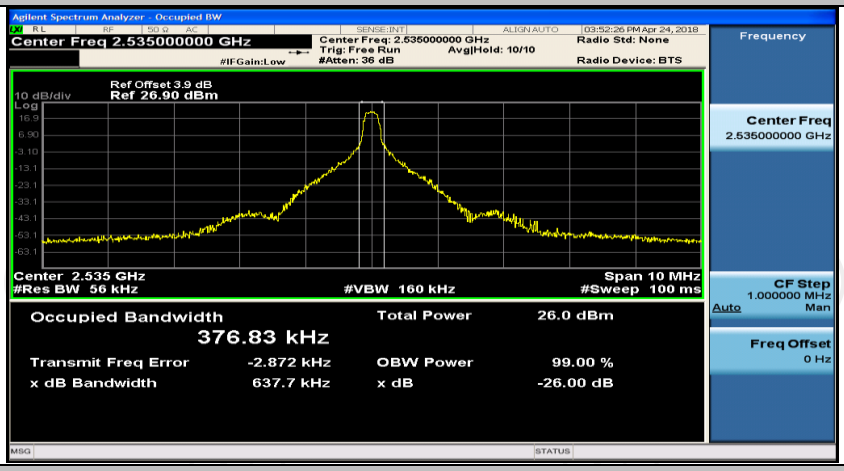
(Channel Bandwidth: 5 MHz)_LCH_QPSK_25RB#0



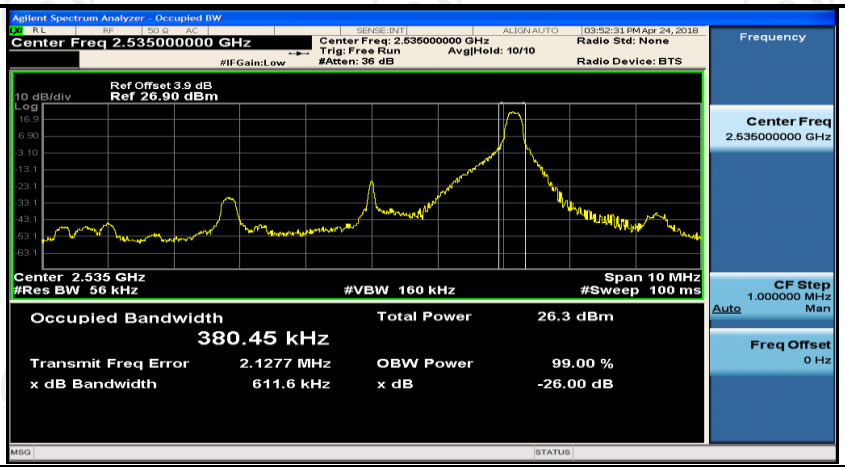
(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#0



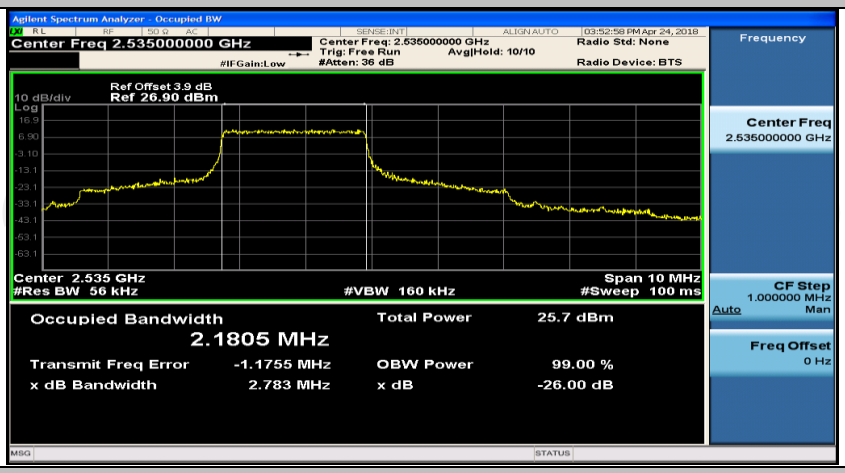
(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#12



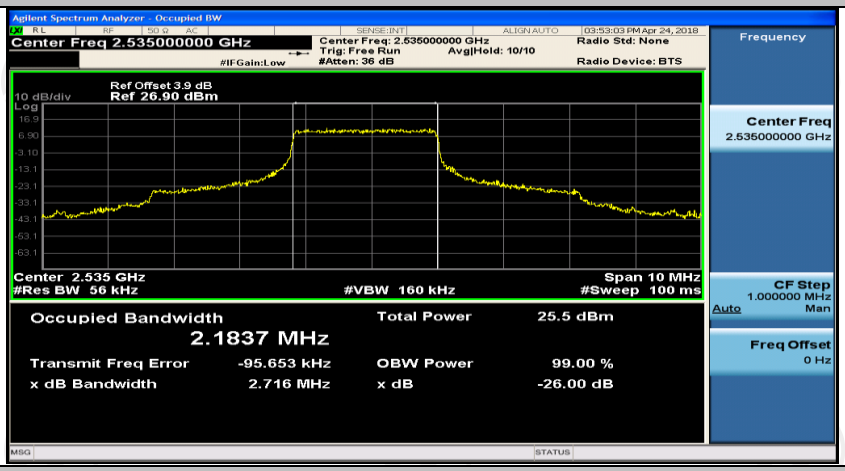
(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#24



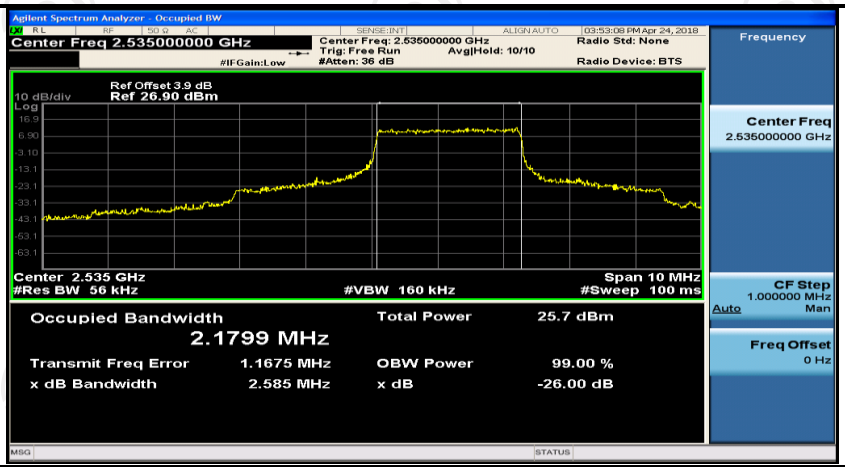
(Channel Bandwidth: 5 MHz)_MCH_QPSK_12RB#0



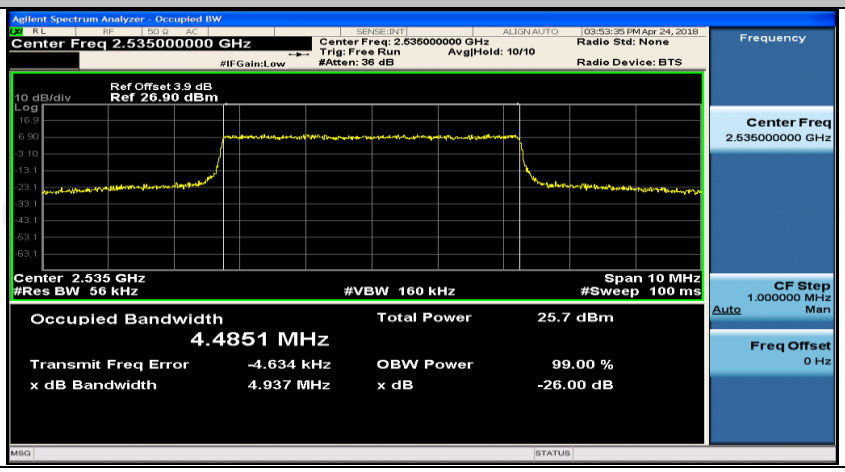
(Channel Bandwidth: 5 MHz)_MCH_QPSK_12RB#6



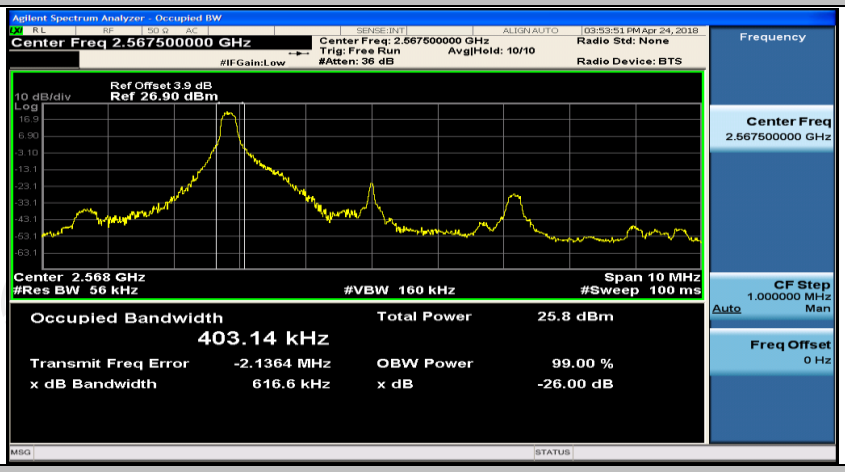
(Channel Bandwidth: 5 MHz)_MCH_QPSK_12RB#13



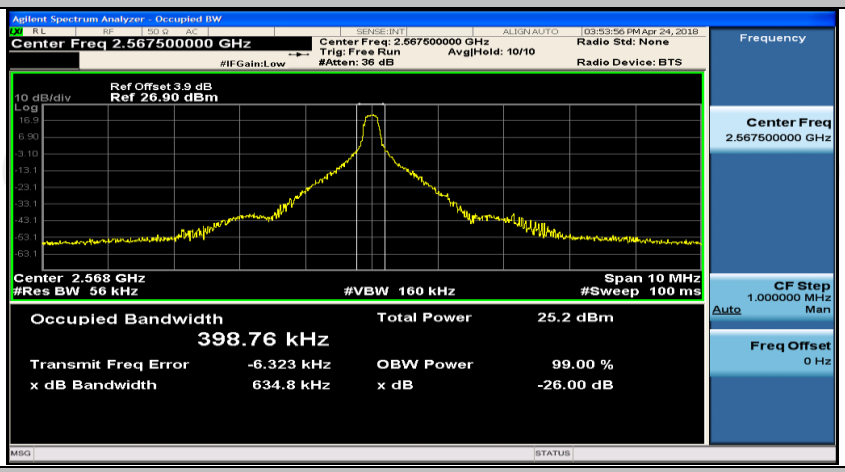
(Channel Bandwidth: 5 MHz)_MCH_QPSK_25RB#0



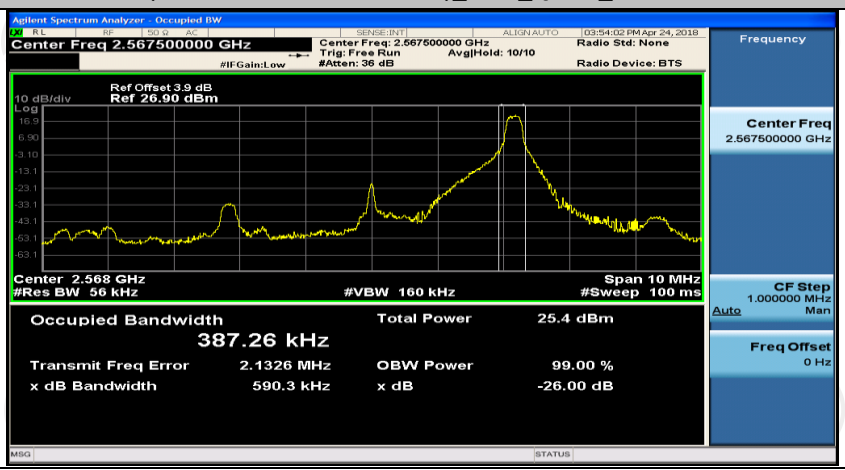
(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#0



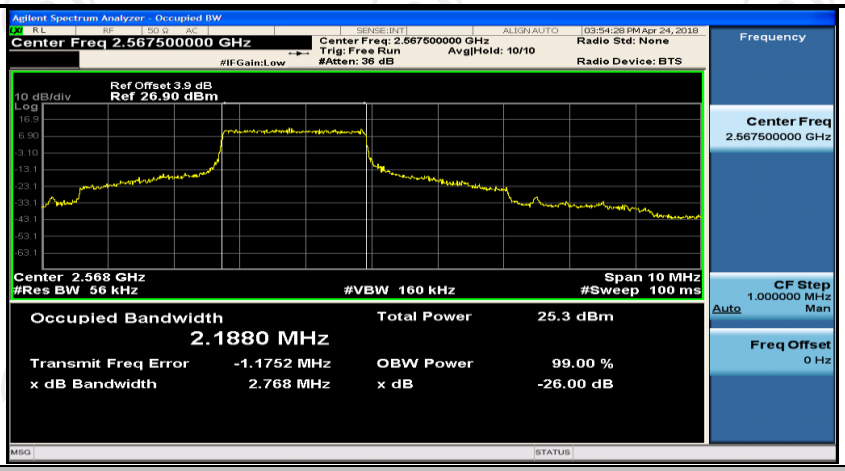
(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#12



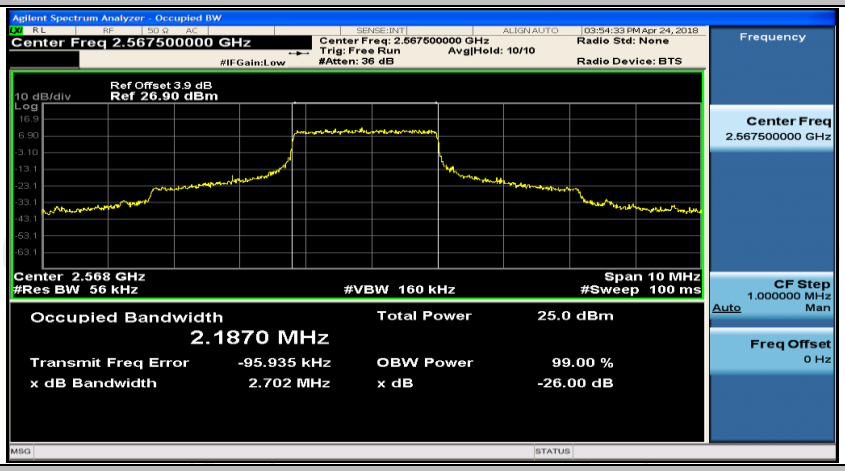
(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#24



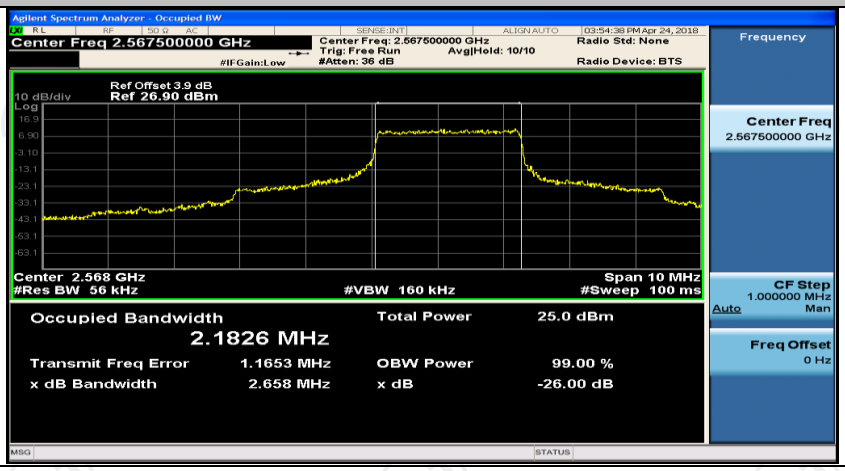
(Channel Bandwidth: 5 MHz)_HCH_QPSK_12RB#0



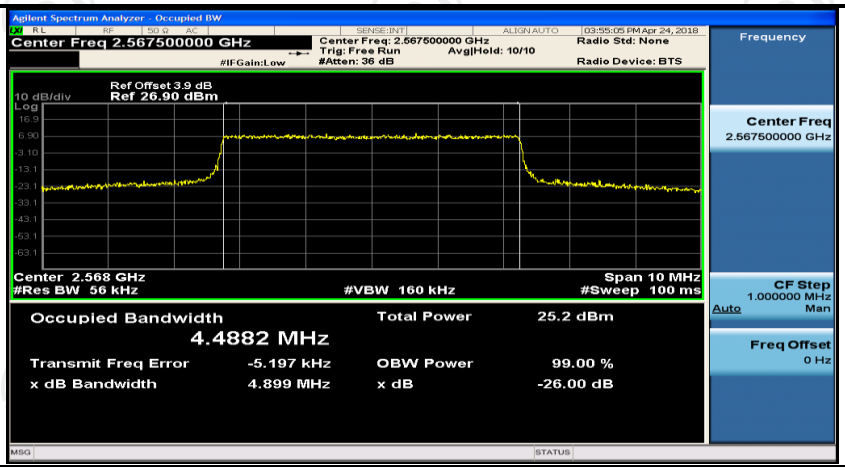
(Channel Bandwidth: 5 MHz)_HCH_QPSK_12RB#6



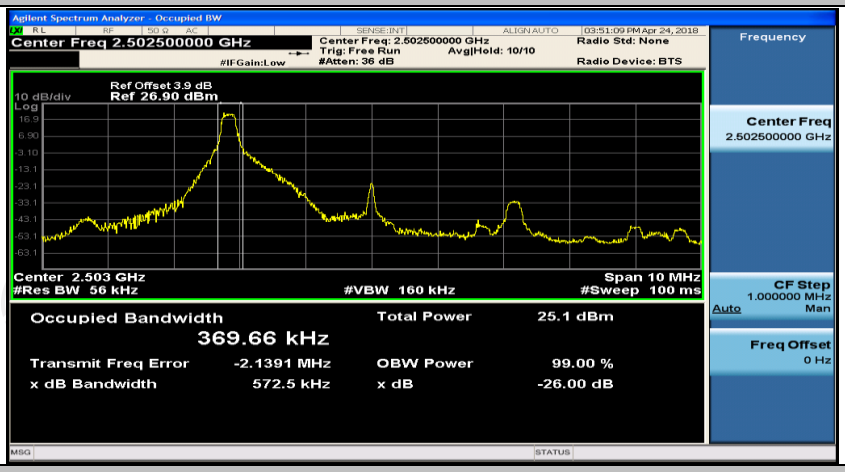
(Channel Bandwidth: 5 MHz)_HCH_QPSK_12RB#13



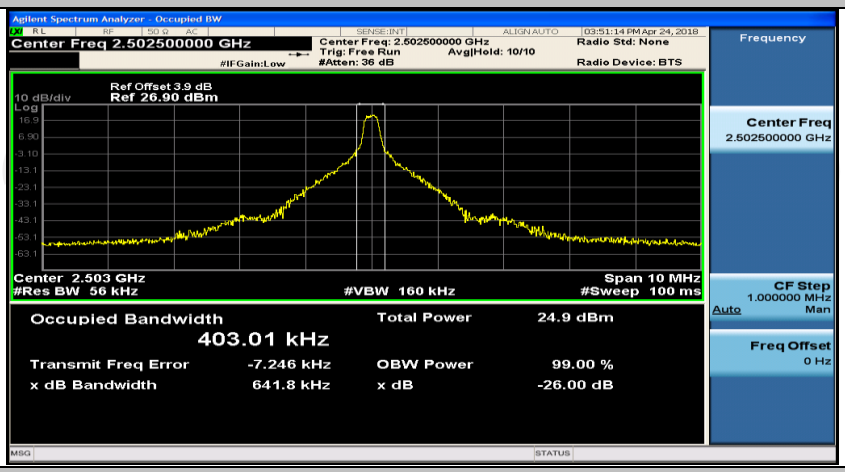
(Channel Bandwidth: 5 MHz)_HCH_QPSK_25RB#0


Agilent Spectrum Analyzer - Occupied BW
Center Freq 2.567500000 GHz
#IFGain:Low
Center Freq: 2.567500000 GHz
Trig: Free Run
Avg|Hold: 10/10
#Atten: 36 dB
Radio Std: None
Radio Device: BTS
Frequency
Ref Offset 3.9 dB
10 dB/div
Log
Ref 26.90 dBm
Center Freq
2.567500000 GHz
Center 2.568 GHz
#Res BW 56 kHz
#VBW 160 kHz
Span 10 MHz
#Sweep 100 ms
CF Step
1.000000 MHz
Auto
Man
Occupied Bandwidth
4.4882 MHz
Total Power
25.2 dBm
Transmit Freq Error
-5.197 kHz
OBW Power
99.00 %
x dB Bandwidth
4.899 MHz
x dB
-26.00 dB
Freq Offset
0 Hz
MSG
STATUS

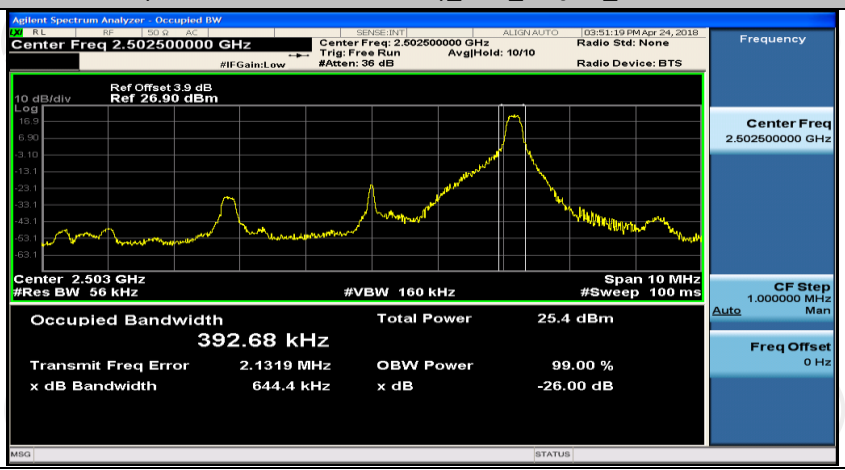
(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#0



(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#12



(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#24



(Channel Bandwidth: 5 MHz)_LCH_16QAM_12RB#0