Appendix D: Test Data For E-UTRA Band 12

D.1: RF Output Power

			Channel	Bandwidth 1.4 MHz		
Modulation	Channel	RB Conf	RB Configuration Average Power		E.R.P [dBm]	Verdict
Modulation	Grianiloi	Size	Offset			
		1	0	21.95	18.00	PASS
		1	3	22.07	18.12	PASS
		1	5	21.99	18.02	PASS
	LCH	3	0	22.07	18.10	PASS
		3	2	22.10	18.14	PASS
		3	3	22.15	18.18	PASS
		6	0	21.06	17.10	PASS
		1	0	22.51	18.54	PASS
		1	3	22.60	18.64	PASS
		1	5	22.55	18.58	PASS
QPSK	MCH	3	0	22.59	18.63	PASS
		3	2	22.57	18.60	PASS
		3	3	22.62	18.65	PASS
		6	0	21.55	17.59	PASS
		1	0	22.23	18.27	PASS
		1	3	22.25	18.29	PASS
		1	5	22.13	18.17	PASS
	HCH	3	0	22.29	18.32	PASS
		3	2	22.25	18.29	PASS
		3	3	22.21	18.25	PASS
		6	0	21.29	17.33	PASS
		1	0	21.21	17.24	PASS
		1	3	21.44	17.48	PASS
	ı	1	5	21.35	17.39	PASS
	LCH	3	0	21.21	17.25	PASS
		3	2	21.22	17.26	PASS
		3	3	21.27	17.30	PASS
		6	0	20.08	16.13	PASS
400414		1	0	21.85	17.88	PASS
16QAM		1	3	21.92	17.96	PASS
		1	5	21.86	17.90	PASS
	MCH	3	0	21.53	17.57	PASS
		3	2	21.56	17.61	PASS
		3	3	21.61	17.64	PASS
		6	0	20.49	16.54	PASS
	11011	1	0	21.46	17.49	PASS
	HCH	1	3	21.55	17.58	PASS

SHENZHEN LCS COMPLIANCE TESTING LABORATORY LTD.				TD. FCC ID: 2AG5L-FTU1	52D Report No.: LC	D Report No.: LCS1512211980E	
		1	5	21.34	17.37	PASS	
		3	0	21.32	17.35	PASS	
		3	2	21.25	17.29	PASS	
		3	3	21.26	17.30	PASS	
		6	0	20.42	16.46	PASS	

			Channel	Bandwidth 3 MHz		
Modulation	Channel	RB Con	figuration	Average Power [dBm]	E.R.P [dBm]	Verdict
Modulation	Chamilei	Size	Offset	Average rower [dbin]	L.K.F [dDili]	verdict
		1	0	21.92	17.96	PASS
		1	7	22.18	18.21	PASS
		1	14	22.16	18.20	PASS
	LCH	8	0	21.12	17.15	PASS
		8	4	21.24	17.27	PASS
		8	7	21.30	17.33	PASS
		15	0	21.22	17.25	PASS
		1	0	22.43	18.47	PASS
		1	7	22.62	18.66	PASS
		1	14	22.52	18.56	PASS
QPSK	MCH	8	0	21.64	17.68	PASS
	-	8	4	21.66	17.69	PASS
		8	7	21.68	17.71	PASS
		15	0	21.63	17.67	PASS
		1	0	22.30	18.34	PASS
	-	1	7	22.25	18.30	PASS
	-	1	14	22.01	18.06	PASS
	HCH	8	0	21.37	17.41	PASS
		8	4	21.30	17.34	PASS
		8	7	21.24	17.28	PASS
		15	0	21.25	17.29	PASS
		1	0	21.23	17.26	PASS
	-	1	7	21.55	17.59	PASS
	-	1	14	21.55	17.59	PASS
	LCH	8	0	20.25	16.28	PASS
	-	8	4	20.38	16.41	PASS
		8	7	20.41	16.46	PASS
	-	15	0	20.24	16.28	PASS
16QAM		1	0	21.71	17.75	PASS
	-	1	7	21.92	17.95	PASS
		1	14	21.81	17.84	PASS
	MCH	8	0	20.67	16.70	PASS
		8	4	20.71	16.75	PASS
		8	7	20.73	16.77	PASS
	-	15	0	20.57	16.61	PASS

SHENZHEN LC	CS COMPLIANC	EE TESTING LA	ABORATORY L	TD. FCC ID: 2AG5L-FTU1.	52D Report No.: LC	Report No.: LCS1512211980E	
		1	0	21.74	17.77	PASS	
		1	7	21.62	17.66	PASS	
		1	14	21.34	17.39	PASS	
	HCH	8	0	20.41	16.44	PASS	
		8	4	20.29	16.33	PASS	
		8	7	20.24	16.27	PASS	
		15	0	20.31	16.34	PASS	

			Channe	el Bandwidth 5 MHz		
Modulation	Channel		figuration	Average Power [dBm]	E.R.P [dBm]	Verdict
		Size	Offset 0	22.06	19.00	PASS
		1			18.09	
		1	12	22.37	18.41	PASS
	1.011	1	24	22.45	18.49	PASS
	LCH	12	0	21.29	17.34	PASS
		12	6	21.40	17.44	PASS
		12	13	21.55	17.58	PASS
		25	0	21.35	17.38	PASS
		1	0	22.54	18.58	PASS
		1	12	22.56	18.59	PASS
		1	24	22.58	18.62	PASS
QPSK	MCH	12	0	21.68	17.72	PASS
		12	6	21.71	17.74	PASS
		12	13	21.52	17.57	PASS
		25	0	21.59	17.62	PASS
		1	0	22.54	18.57	PASS
		1	12	22.48	18.52	PASS
		1	24	22.12	18.16	PASS
	НСН	12	0	21.59	17.63	PASS
		12	6	21.46	17.51	PASS
		12	13	21.28	17.31	PASS
		25	0	21.42	17.47	PASS
		1	0	21.45	17.48	PASS
		1	12	21.82	17.86	PASS
		1	24	21.89	17.92	PASS
	LCH	12	0	20.48	16.51	PASS
		12	6	20.57	16.61	PASS
		12	13	20.77	16.81	PASS
16QAM		25	0	20.46	16.50	PASS
		1	0	21.92	17.96	PASS
		1	12	21.99	18.04	PASS
	MCH	1	24	21.98	18.02	PASS
		12	0	20.81	16.85	PASS
		12	6	20.83	16.86	PASS

<u>SHENZHEN LC</u>	<u>CS COMPLIANCI</u>	E TESTING L	<u>ABORATORY</u>	LTD. FCC ID: 2AG5L-FTU	TU152D Report No.: LCS1512211980E		
-			1				
		12	13	20.71	16.75	PASS	
		25	0	20.66	16.69	PASS	
		1	0	21.62	17.66	PASS	
		1	12	21.53	17.56	PASS	
		1	24	21.04	17.08	PASS	
	HCH	12	0	20.69	16.73	PASS	
		12	6	20.57	16.61	PASS	
		12	13	20.38	16.41	PASS	
		25	0	20.53	16.57	PASS	

			Channe	l Bandwidth 10 MHz		
Modulation	Channel	RB Conf	figuration Offset	Average Power [dBm]	E.R.P [dBm]	Verdict
		1	0	22.03	18.07	PASS
		1	24	22.51	18.55	PASS
		1	49	22.49	18.53	PASS
	LCH	25	0	21.41	17.45	PASS
		25	12	21.59	17.62	PASS
		25	25	21.67	17.70	PASS
		50	0	21.55	17.59	PASS
		1	0	22.37	18.40	PASS
		1	24	22.46	18.49	PASS
		1	49	22.40	18.44	PASS
QPSK	MCH	25	0	21.60	17.65	PASS
		25	12	21.61	17.66	PASS
		25	25	21.51	17.56	PASS
		50	0	21.56	17.60	PASS
		1	0	22.61	18.65	PASS
		1	24	22.49	18.53	PASS
	НСН	1	49	22.10	18.14	PASS
		25	0	21.62	17.66	PASS
		25	12	21.53	17.57	PASS
		25	25	21.43	17.46	PASS
		50	0	21.55	17.58	PASS
		1	0	21.33	17.37	PASS
		1	24	21.84	17.88	PASS
		1	49	21.85	17.88	PASS
	LCH	25	0	20.48	16.52	PASS
16QAM		25	12	20.64	16.67	PASS
IOQAW		25	25	20.70	16.73	PASS
		50	0	20.58	16.62	PASS
		1	0	21.76	17.81	PASS
	MCH	1	24	21.81	17.85	PASS
		1	49	21.81	17.85	PASS

SHENZHEN LCS COMPLIANC	E TESTING LA	ABORATORY I	LTD. FCC ID: 2AG5L-FT	FCC ID: 2AG5L-FTU152D Report No.: LCS1512211980E		
	25	0	20.66	16.70	PASS	
	25	12	20.66	16.71	PASS	
	25	25	20.57	16.61	PASS	
	50	0	20.57	16.61	PASS	
	1	0	21.98	18.01	PASS	
	1	24	21.92	17.95	PASS	
	1	49	21.43	17.46	PASS	
НСН	25	0	20.70	16.74	PASS	
	25	12	20.62	16.66	PASS	
	25	25	20.52	16.57	PASS	
	50	0	20.65	16.68	PASS	

D.2: Peak-to-Average Ratio

			Channel E	Bandwidth 1.4 MHz		
Modulation	Channel	RB Conf	iguration	Peak-to-Average Ratio	Limit	Verdict
Modulation	Onamici	Size	Offset	(dB)	(dB)	verdict
		1	0	4.05	<13	PASS
		1	3	4.11	<13	PASS
		1	5	4.2	<13	PASS
	LCH	3	0	4.23	<13	PASS
		3	2	4.33	<13	PASS
		3	3	4.37	<13	PASS
		6	0	5.43	<13	PASS
		1	0	3.76	<13	PASS
		1	3	3.69	<13	PASS
		1	5	3.76	<13	PASS
QPSK	MCH	3	0	3.86	<13	PASS
		3	2	3.86	<13	PASS
		3	3	3.86	<13	PASS
		6	0	4.97	<13	PASS
		1	0	3.5	<13	PASS
		1	3	3.42	<13	PASS
		1	5	3.47	<13	PASS
	HCH	3	0	3.61	<13	PASS
		3	2	3.56	<13	PASS
		3	3	3.59	<13	PASS
		6	0	4.68	<13	PASS
		1	0	5.13	<13	PASS
		1	3	5.17	<13	PASS
		1	5	5.31	<13	PASS
	LCH	3	0	5.06	<13	PASS
		3	2	5.19	<13	PASS
		3	3	5.21	<13	PASS
		6	0	6.17	<13	PASS
		1	0	4.87	<13	PASS
16QAM		1	3	4.81	<13	PASS
		1	5	4.87	<13	PASS
	MCH	3	0	4.7	<13	PASS
		3	2	4.76	<13	PASS
		3	3	4.72	<13	PASS
		6	0	5.77	<13	PASS
		1	0	4.59	<13	PASS
	HCH	1	3	4.5	<13	PASS
		1	5	4.6	<13	PASS

<u>SHENZHEN LCS COMPLI</u>	ANCE TESTING LA	BORATORY LT	TD. FCC ID: 2AG5L-FTU152D	Report No.: LCS1	<u>512211980E</u>
	3	0	4.36	<13	PASS
	3	2	4.31	<13	PASS
	3	3	4.3	<13	PASS
	6	0	5.49	<13	PASS

			Channel	Bandwidth 3 MHz		
N4 1 1 6	01 1	RB Configuration		Peak-to-Average Ratio	Limit	V . F .
Modulation	Channel	Size	Offset	[dB]	[dB]	Verdict
		1	0	4.06	<13	PASS
	<u> </u>	1	7	4.19	<13	PASS
		1	14	4.31	<13	PASS
	LCH	8	0	5.37	<13	PASS
	-	8	4	5.54	<13	PASS
	-	8	7	5.62	<13	PASS
	-	15	0	5.65	<13	PASS
		1	0	3.8	<13	PASS
		1	7	3.75	<13	PASS
	Ī	1	14	3.9	<13	PASS
QPSK	MCH	8	0	4.87	<13	PASS
	Ī	8	4	4.84	<13	PASS
		8	7	4.94	<13	PASS
		15	0	5.2	<13	PASS
		1	0	3.97	<13	PASS
	-	1	7	3.56	<13	PASS
	-	1	14	3.47	<13	PASS
	HCH	8	0	5.04	<13	PASS
		8	4	4.69	<13	PASS
		8	7	4.6	<13	PASS
		15	0	5.19	<13	PASS
		1	0	5.17	<13	PASS
	Ī	1	7	5.37	<13	PASS
		1	14	5.53	<13	PASS
	LCH	8	0	6.02	<13	PASS
	Ī	8	4	6.21	<13	PASS
	Ī	8	7	6.37	<13	PASS
160 114		15	0	6.54	<13	PASS
16QAM		1	0	4.9	<13	PASS
	Ī	1	7	4.86	<13	PASS
	Ī	1	14	5.06	<13	PASS
	MCH	8	0	5.6	<13	PASS
	Ī	8	4	5.57	<13	PASS
	Ī	8	7	5.65	<13	PASS
		15	0	6.04	<13	PASS

SHENZHEN LCS C	OMPLIANO	CE TESTING L	<u>ABORATORY LT</u>	TD. FCC ID: 2AG5L-FTU152D	Report No.: LCS1512211980E	
		1	0	5.14	<13	PASS
		1	7	4.72	<13	PASS
		1	14	4.61	<13	PASS
	нсн	8	0	5.8	<13	PASS
		8	4	5.54	<13	PASS
		8	7	5.38	<13	PASS
		15	0	5.94	<13	PASS

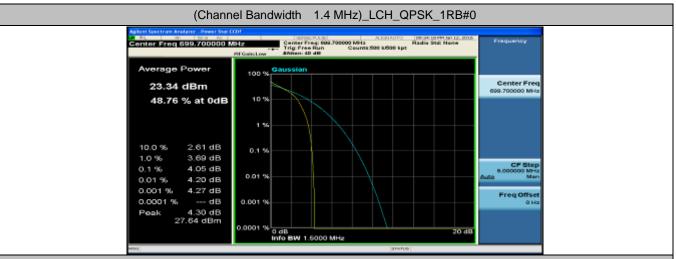
			Channe	l Bandwidth 5 MHz		
Modulation	Channel	RB Configuration		Peak-to-Average Ratio	Limit	Verdict
	Channel	Size	Offset	[dB]	[dB]	verdict
	LCH	1	0	3.97	<13	PASS
		1	12	4.23	<13	PASS
		1	24	3.99	<13	PASS
		12	0	5.43	<13	PASS
		12	6	5.65	<13	PASS
		12	13	5.58	<13	PASS
		25	0	5.73	<13	PASS
		1	0	3.74	<13	PASS
		1	12	3.83	<13	PASS
		1	24	3.95	<13	PASS
QPSK	MCH	12	0	4.84	<13	PASS
		12	6	4.78	<13	PASS
		12	13	5.17	<13	PASS
		25	0	5.29	<13	PASS
	НСН	1	0	4.14	<13	PASS
		1	12	3.84	<13	PASS
		1	24	3.46	<13	PASS
		12	0	5.47	<13	PASS
		12	6	5.13	<13	PASS
		12	13	4.74	<13	PASS
		25	0	5.34	<13	PASS
	LCH	1	0	5.09	<13	PASS
		1	12	5.45	<13	PASS
		1	24	5.22	<13	PASS
		12	0	6.18	<13	PASS
16QAM		12	6	6.48	<13	PASS
		12	13	6.41	<13	PASS
		25	0	6.49	<13	PASS
	MCH	1	0	4.9	<13	PASS
		1	12	4.85	<13	PASS
		1	24	5.1	<13	PASS
		12	0	5.67	<13	PASS

SHENZHEN LCS COMPLIANCE TESTING LABORATORY LTD.			D. FCC ID: 2AG5L-FTU152D	Report No.: LCS1512211980E		
		12	6	5.63	<13	PASS
		12	13	5.94	<13	PASS
		25	0	6.05	<13	PASS
	НСН	1	0	5.07	<13	PASS
		1	12	4.8	<13	PASS
		1	24	4.39	<13	PASS
		12	0	6.33	<13	PASS
		12	6	6.04	<13	PASS
		12	13	5.65	<13	PASS
		25	0	6.16	<13	PASS

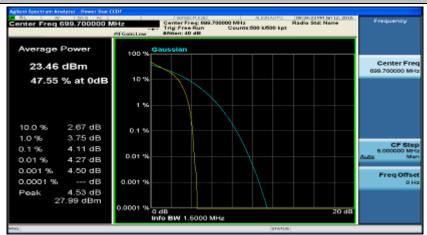
Channel Bandwidth 10 MHz							
Modulation	Channel	RB Configuration		Peak-to-Average Ratio	Limit	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	
		Size	Offset	[dB]	[dB]	Verdict	
		1	0	4.08	<13	PASS	
		1	24	3.97	<13	PASS	
	LCH	1	49	3.92	<13	PASS	
		25	0	5.62	<13	PASS	
		25	12	5.41	<13	PASS	
		25	25	5.13	<13	PASS	
		50	0	5.45	<13	PASS	
		1	0	4.1	<13	PASS	
		1	24	3.84	<13	PASS	
		1	49	4.08	<13	PASS	
QPSK	МСН	25	0	5.21	<13	PASS	
		25	12	5.08	<13	PASS	
		25	25	5.44	<13	PASS	
		50	0	5.51	<13	PASS	
		1	0	3.69	<13	PASS	
	НСН	1	24	4.08	<13	PASS	
		1	49	3.44	<13	PASS	
		25	0	5.28	<13	PASS	
		25	12	5.53	<13	PASS	
		25	25	5.21	<13	PASS	
		50	0	5.48	<13	PASS	
	LCH	1	0	5.19	<13	PASS	
16QAM		1	24	5.15	<13	PASS	
		1	49	4.99	<13	PASS	
		25	0	6.44	<13	PASS	
		25	12	6.2	<13	PASS	
		25	25	5.93	<13	PASS	
		50	0	6.19	<13	PASS	
	MCH	1	0	5.22	<13	PASS	

SHENZHEN LCS COMPLIANCE TESTING LABORATORY LTD.			TD. FCC ID: 2AG5L-FTU152D	Report No.: LCS1512211980E		
		1	24	4.05	.42	DACC
		1	24	4.85	<13	PASS
		1	49	5.28	<13	PASS
		25	0	6.05	<13	PASS
		25	12	5.87	<13	PASS
		25	25	6.25	<13	PASS
		50	0	6.25	<13	PASS
	НСН	1	0	4.79	<13	PASS
		1	24	5.26	<13	PASS
		1	49	4.55	<13	PASS
		25	0	6.07	<13	PASS
		25	12	6.32	<13	PASS
		25	25	6.06	<13	PASS
		50	0	6.22	<13	PASS

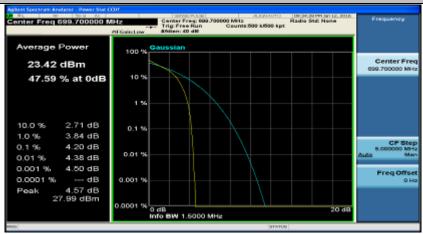
Test Graphs



(Channel Bandwidth 1.4 MHz)_LCH_QPSK_1RB#3



(Channel Bandwidth 1.4 MHz)_LCH_QPSK_1RB#5



(Channel Bandwidth 1.4 MHz)_LCH_QPSK_3RB#0

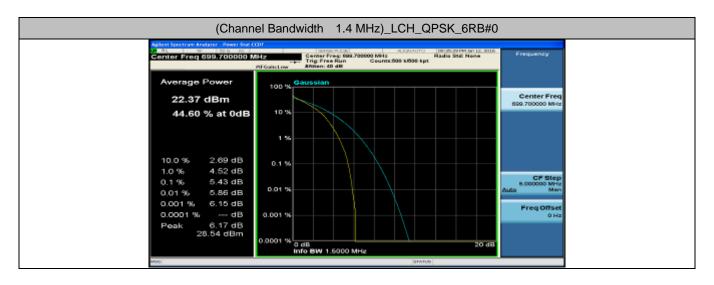


(Channel Bandwidth 1.4 MHz)_LCH_QPSK_3RB#2



(Channel Bandwidth 1.4 MHz)_LCH_QPSK_3RB#3

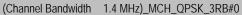


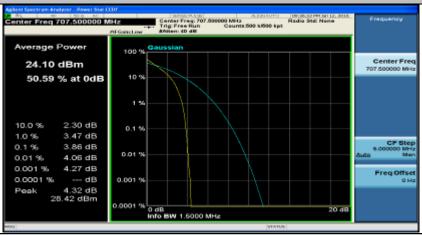




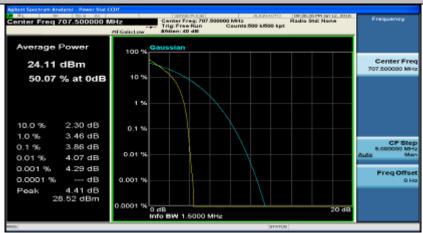


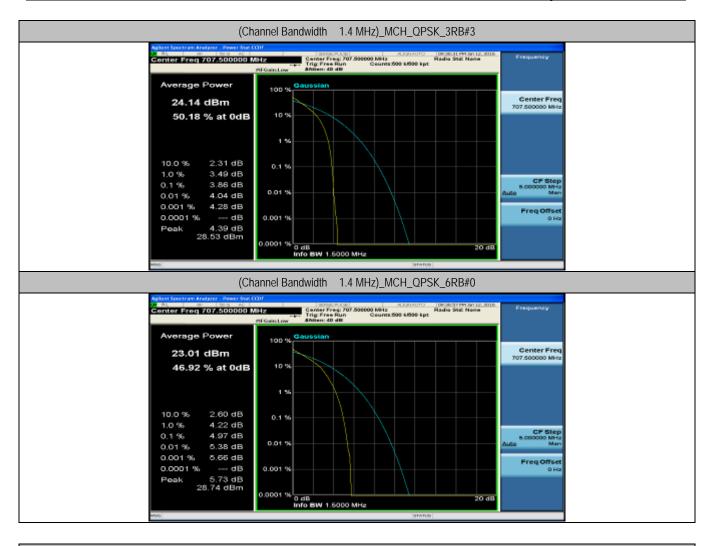
(Channel Bandwidth 1.4 MHz)_MCH_QPSK_1RB#5 Cerner Freq: 707.500000 NH2 Trig: Free Run Courts 500 k/500 kpt Anison Office Courts 500 k/500 kpt Anison Office Courts 500 k/500 kpt ter Freg 707.500000 MHz Average Power 100 % Center Free 707.500000 MHz 24.06 dBm 50.34 % at 0dB 10.90 1.56 10.0 % 2.49 dB 0.1 % 3.45 dB 1.0 % 3.76 dB 0.1 % 3.88 dB 0.01% 0.001 % 3.94 dB 0.0001 % --- dB 3.96 dB 28.02 dBm 0.0001 % 0 dB Info BW 1.5000 MHz 20 dB

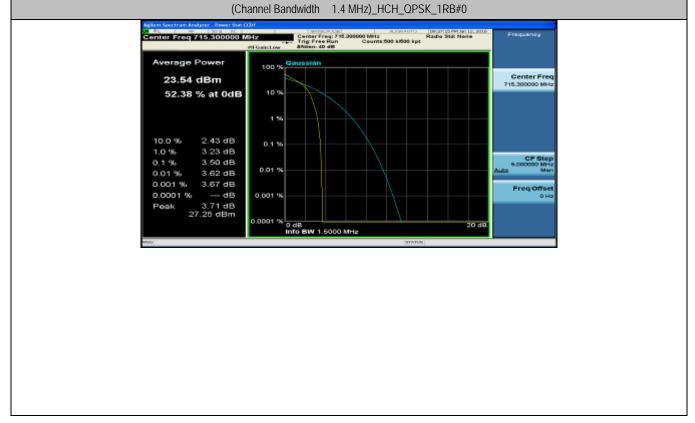




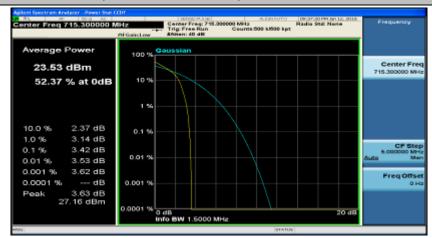
(Channel Bandwidth 1.4 MHz)_MCH_QPSK_3RB#2



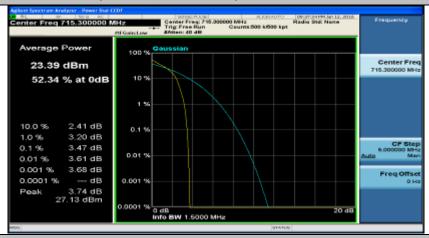




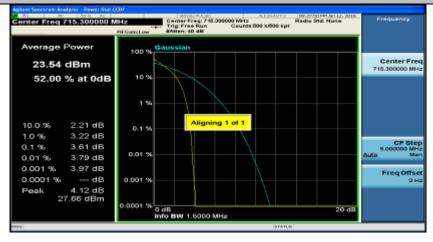
(Channel Bandwidth 1.4 MHz)_HCH_QPSK_1RB#3

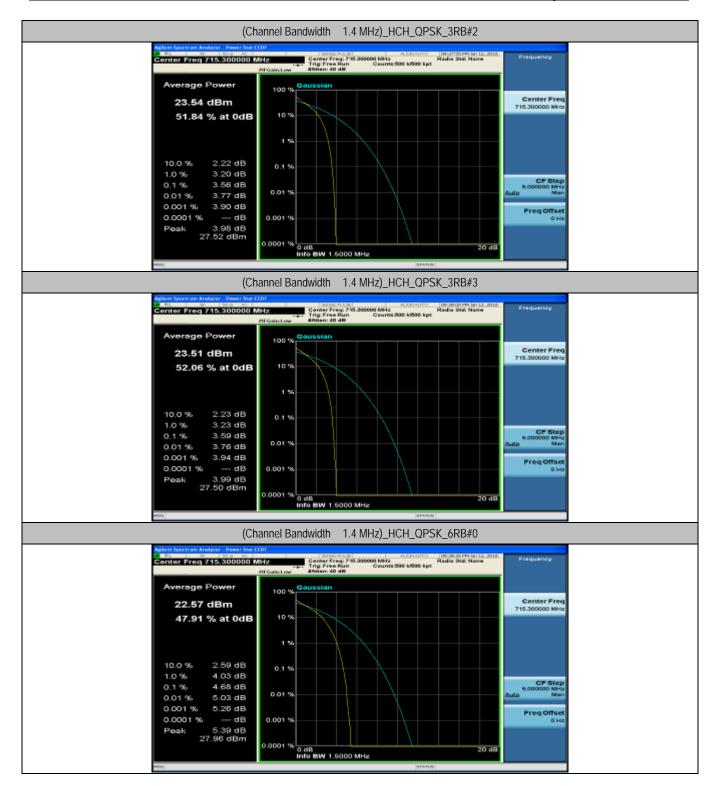


(Channel Bandwidth 1.4 MHz)_HCH_QPSK_1RB#5

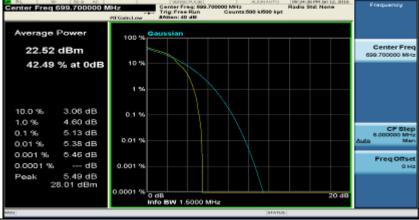


(Channel Bandwidth 1.4 MHz)_HCH_QPSK_3RB#0

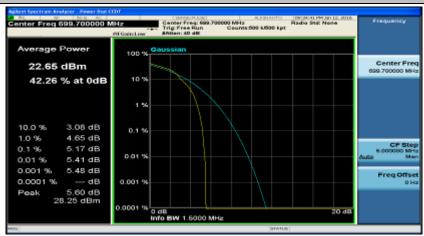




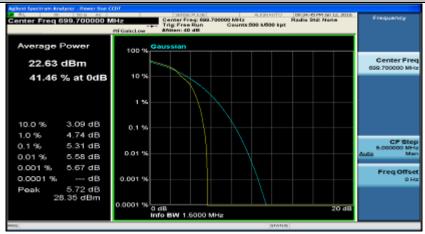
(Channel Bandwidth 1.4 MHz)_LCH_16QAM_1RB#0 Center Free; 699-700000 MH2 Trig: Free Run Counts:500 k500 kpt



(Channel Bandwidth 1.4 MHz)_LCH_16QAM_1RB#3



(Channel Bandwidth 1.4 MHz)_LCH_16QAM_1RB#5

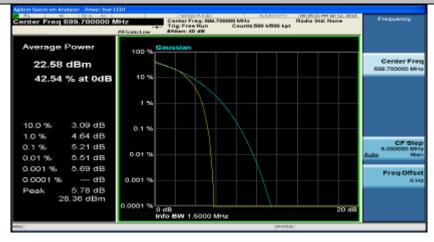


(Channel Bandwidth 1.4 MHz)_LCH_16QAM_3RB#0 Center Free; 609 700000 MH2 Radio Std: None African 40 dill Average Power 100 % Center Free 22.53 dBm 43.09 % at 0dB 10.90 1.56 10.0 % 3.04 dB 0.1 % 4.51 dB 1.0 % 5.06 dB 0.1 % 5.34 dB 0.01% 0.001 % 5.44 dB 0.0001 % --- dB 5.54 dB 28.07 dBm 0.0001 9 0 dB Info BW 1.5000 MHz 20 dB

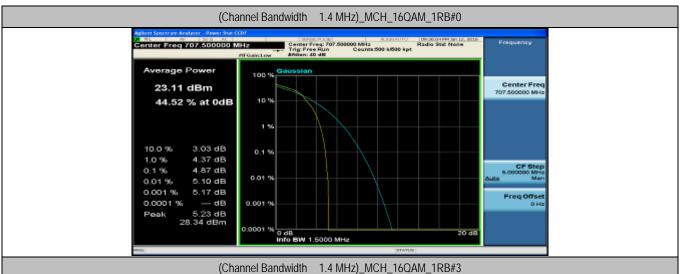
(Channel Bandwidth 1.4 MHz)_LCH_16QAM_3RB#2



(Channel Bandwidth 1.4 MHz)_LCH_16QAM_3RB#3







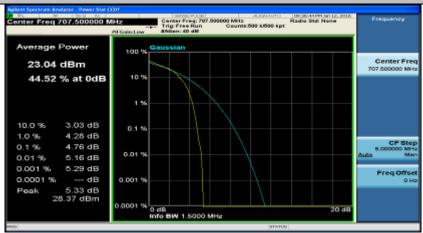


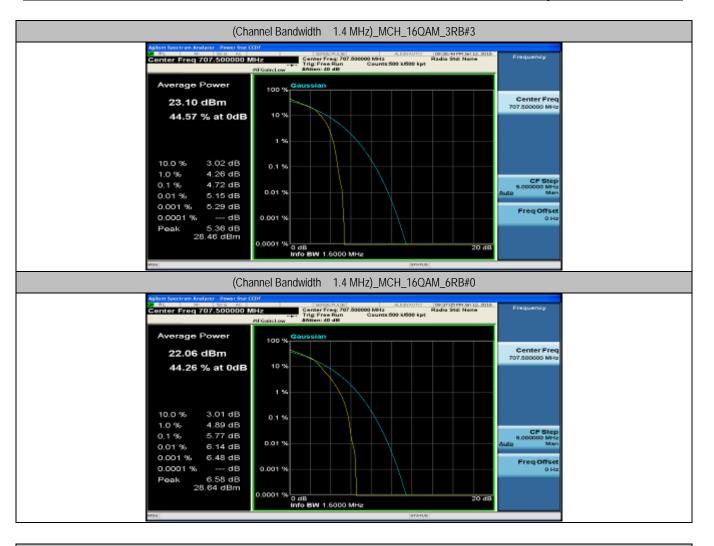
(Channel Bandwidth 1.4 MHz)_MCH_16QAM_1RB#5 Center Freq: 707.500000 MHz Radio Std: None Antonio Office LaPM M126. Trig: Free Run Courts: 500 k/500 kpt Antonio Office Run Courts: 500 kpt Antonio Office Run Courts: 50 ter Freq 707.500000 MHz Average Power 100 % Center Free 707.500000 MHz 23.18 dBm 43.87 % at 0dB 10 % 1.56 10.0 % 3.02 dB 0.1 % 4.36 dB 1.0 % 4.87 dB 0.1 % 5.10 dB 0.01% 0.001 % 5.19 dB 0.0001 % --- dB 5.24 dB 28.42 dBm 0.0001 9 0 dB Info BW 1.5000 MHz 20 dB

(Channel Bandwidth 1.4 MHz)_MCH_16QAM_3RB#0



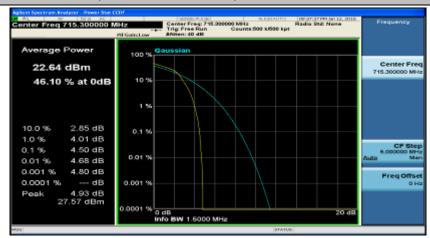
(Channel Bandwidth 1.4 MHz)_MCH_16QAM_3RB#2



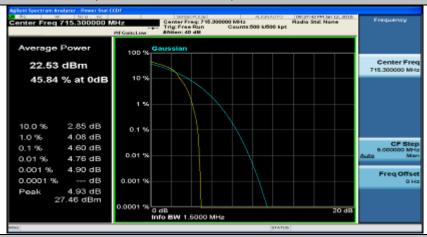




(Channel Bandwidth 1.4 MHz)_HCH_16QAM_1RB#3

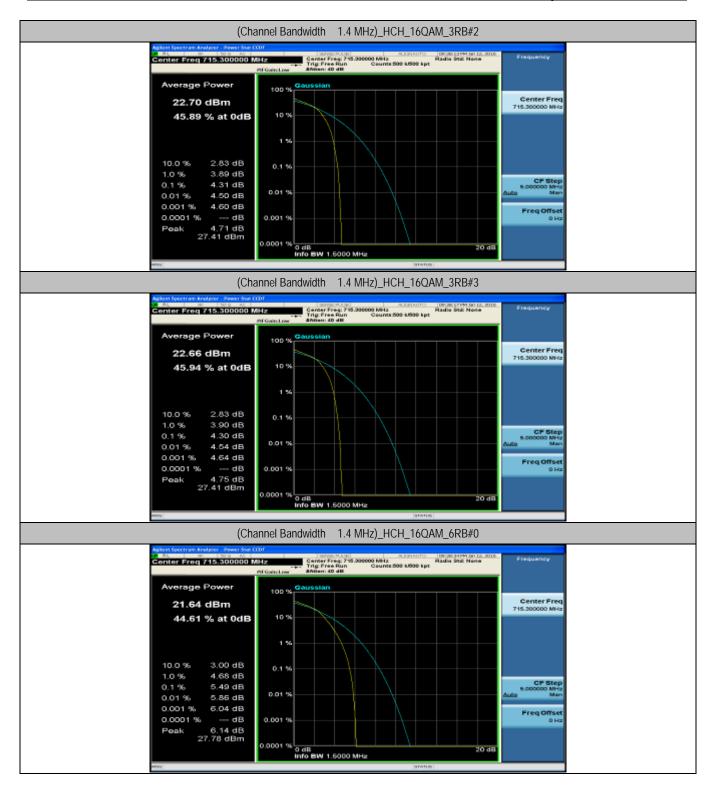


(Channel Bandwidth 1.4 MHz)_HCH_16QAM_1RB#5



(Channel Bandwidth 1.4 MHz)_HCH_16QAM_3RB#0

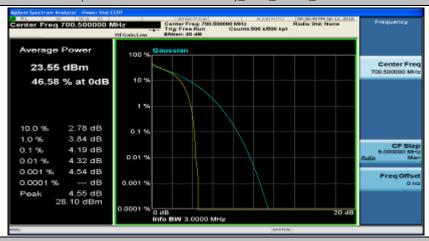




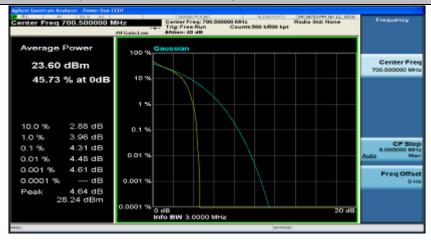
(Channel Bandwidth 3 MHz)_LCH_QPSK_1RB#0



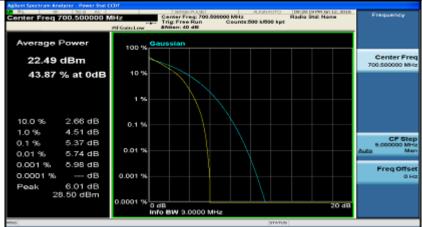
(Channel Bandwidth 3 MHz)_LCH_QPSK_1RB#7



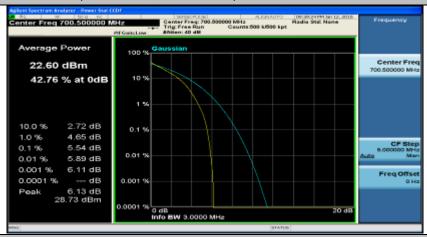
(Channel Bandwidth 3 MHz)_LCH_QPSK_1RB#14



(Channel Bandwidth 3 MHz)_LCH_QPSK_8RB#0



(Channel Bandwidth 3 MHz)_LCH_QPSK_8RB#4

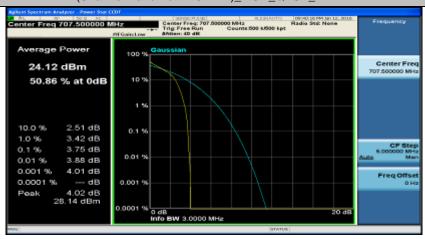


(Channel Bandwidth 3 MHz)_LCH_QPSK_8RB#7

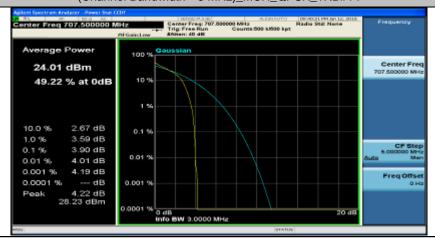




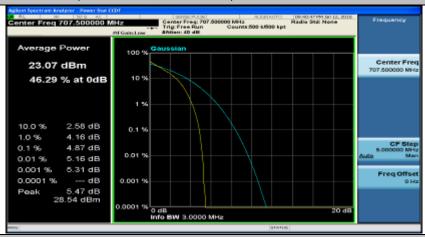




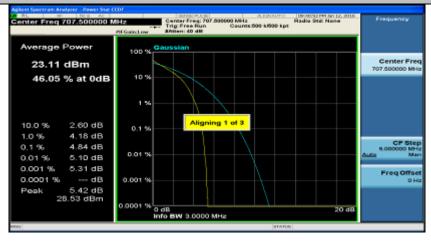
(Channel Bandwidth 3 MHz)_MCH_QPSK_1RB#14

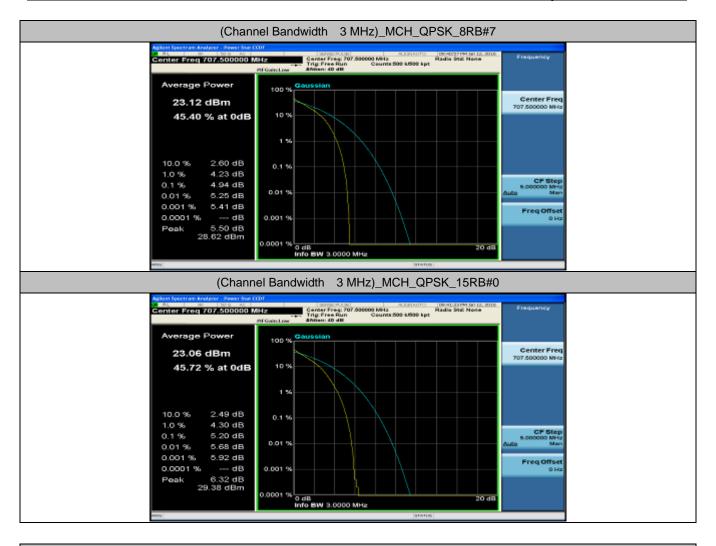


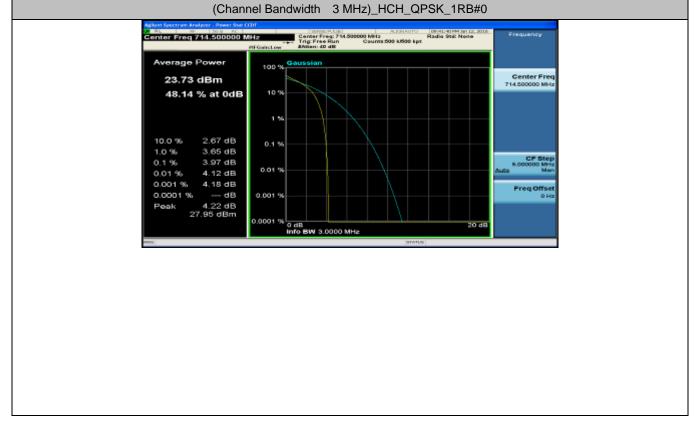
(Channel Bandwidth 3 MHz)_MCH_QPSK_8RB#0



(Channel Bandwidth 3 MHz)_MCH_QPSK_8RB#4







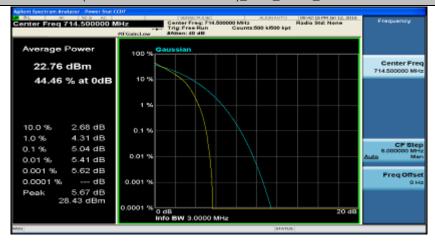
(Channel Bandwidth 3 MHz)_HCH_QPSK_1RB#7



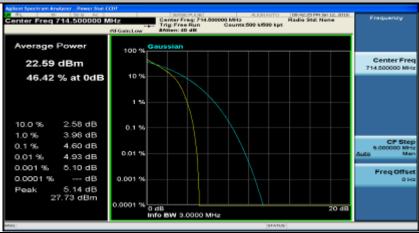
(Channel Bandwidth 3 MHz)_HCH_QPSK_1RB#14

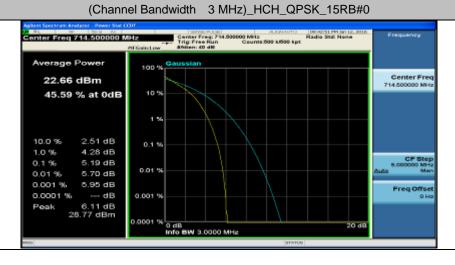


(Channel Bandwidth 3 MHz)_HCH_QPSK_8RB#0



(Channel Bandwidth 3 MHz)_HCH_QPSK_8RB#4 Center Freq: 744.500000 NH12 Radio Set: Note Africa Office Courts 500 k/500 kpt Average Power 100 % Center Free 714.500000 MHz 22.67 dBm 45.87 % at 0dB 10.90 1.56 10.0 % 2.62 dB 0.1 % 4.07 dB 1.0 % 4.69 dB 0.1 % 0.01 % 4.98 dB 0.001 % 5.23 dB 0.0001 % --- dB 5.27 dB 27.94 dBm 0.0001 % 0 dB Info BW 3.0000 MHz 20 dB (Channel Bandwidth 3 MHz)_HCH_QPSK_8RB#7 Center Free; 714.500000 MH2 Radio Stat None Trig: Free Four Counts:500 k/500 kpt

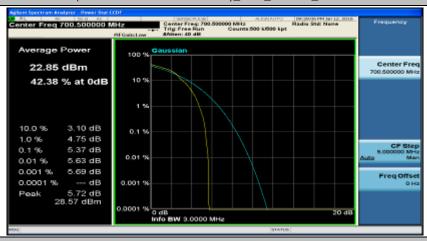




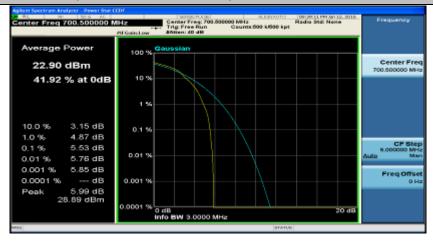
(Channel Bandwidth 3 MHz)_LCH_16QAM_1RB#0



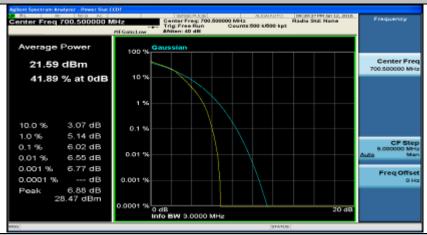
(Channel Bandwidth 3 MHz)_LCH_16QAM_1RB#7



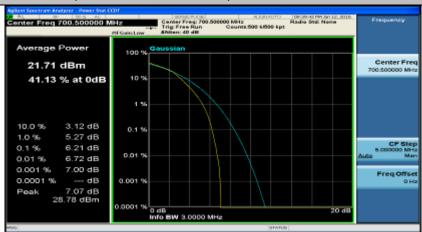
(Channel Bandwidth 3 MHz)_LCH_16QAM_1RB#14



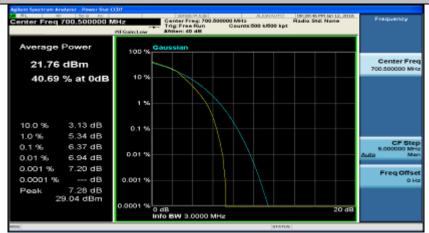
(Channel Bandwidth 3 MHz)_LCH_16QAM_8RB#0



(Channel Bandwidth 3 MHz)_LCH_16QAM_8RB#4

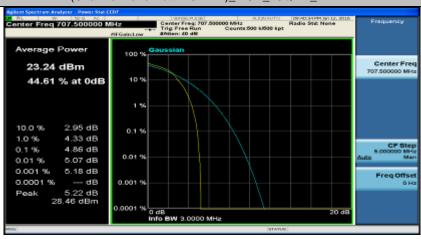


(Channel Bandwidth 3 MHz)_LCH_16QAM_8RB#7

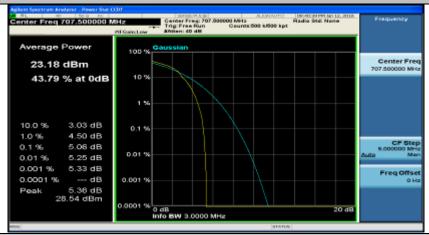




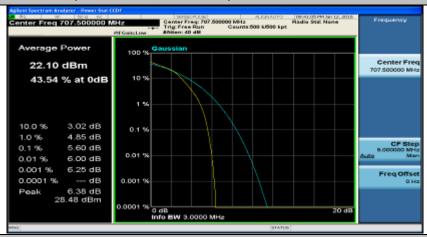




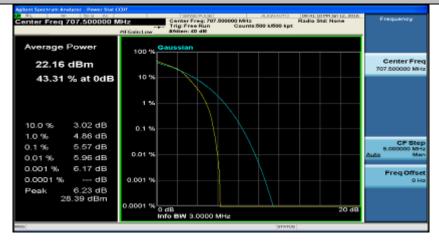
(Channel Bandwidth 3 MHz)_MCH_16QAM_1RB#14

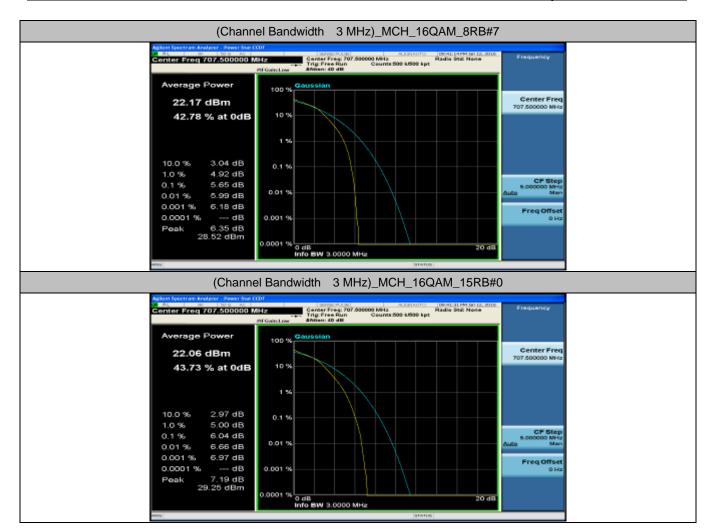


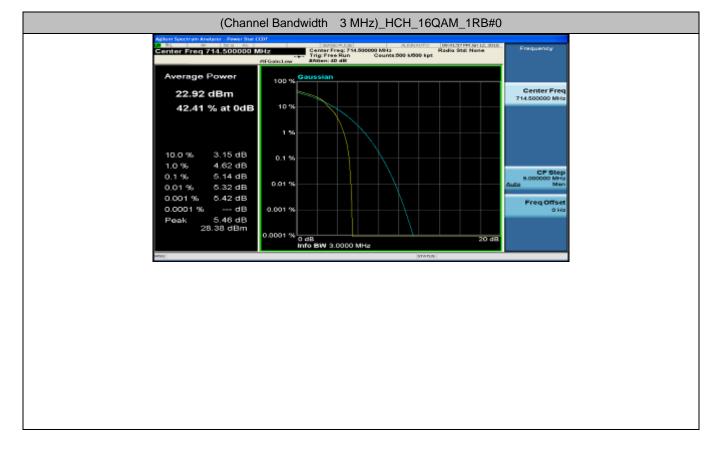
(Channel Bandwidth 3 MHz)_MCH_16QAM_8RB#0



(Channel Bandwidth 3 MHz)_MCH_16QAM_8RB#4







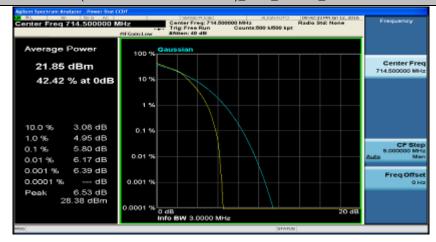
(Channel Bandwidth 3 MHz)_HCH_16QAM_1RB#7



(Channel Bandwidth 3 MHz)_HCH_16QAM_1RB#14



(Channel Bandwidth 3 MHz)_HCH_16QAM_8RB#0

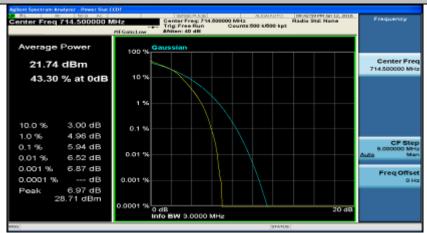


(Channel Bandwidth 3 MHz)_HCH_16QAM_8RB#4 Center Freq: 744.500000 NH12 Radio Set: Note Africa Office Office Africa Office Average Power 100 % Center Free 714.500000 MHz 21.71 dBm 43.55 % at 0dB 10.90 1.56 10.0 % 3.04 dB 0.1 % 4.77 dB 1.0 % 5.54 dB 0.1 % 0.01 % 5.85 dB 0.01% 0.001 % 6.01 dB 0.0001 % --- dB 6.12 dB 27.83 dBm 0.0001 % 0 dB Info BW 3.0000 MHz 20 dB (Channel Bandwidth 3 MHz)_HCH_16QAM_8RB#7





(Channel Bandwidth 3 MHz)_HCH_16QAM_15RB#0



(Channel Bandwidth 5 MHz)_LCH_QPSK_1RB#0 | Interfer Fire | Total | Content | Content

(Channel Bandwidth 5 MHz)_LCH_QPSK_1RB#12

0 dB Info BW 5.0000 MHz

3.97 dB

4.12 dB

4.17 dB --- dB 4.20 dB

27.65 dBm

0.01 %

Peak

0.001%

0.0001 %

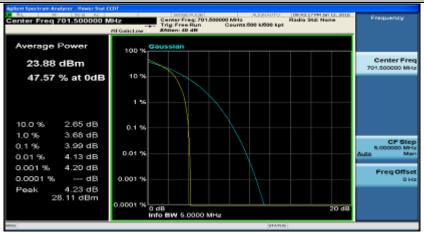
0.01 %

0.001 %

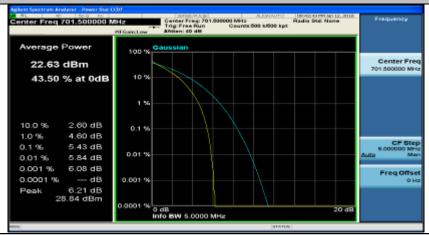
0.0001 %



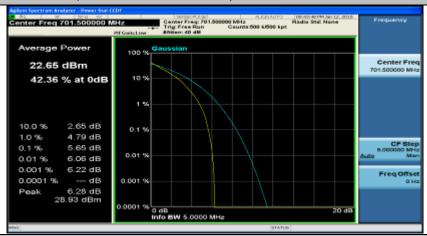
(Channel Bandwidth 5 MHz)_LCH_QPSK_1RB#24



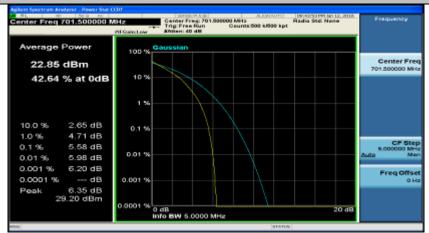
(Channel Bandwidth 5 MHz)_LCH_QPSK_12RB#0

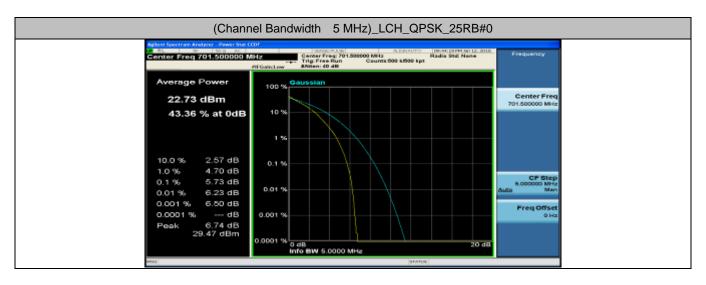


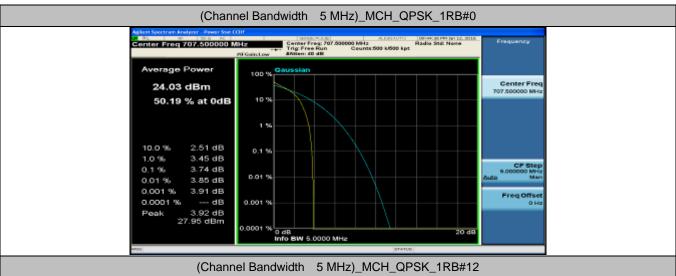
(Channel Bandwidth 5 MHz)_LCH_QPSK_12RB#6



(Channel Bandwidth 5 MHz)_LCH_QPSK_12RB#13

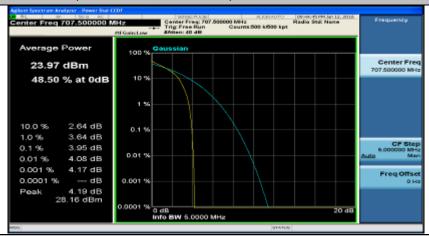








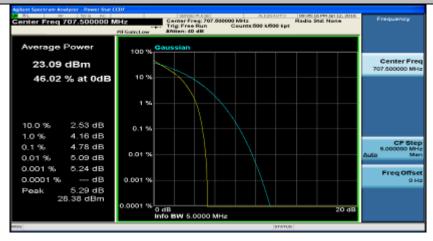
(Channel Bandwidth 5 MHz)_MCH_QPSK_1RB#24

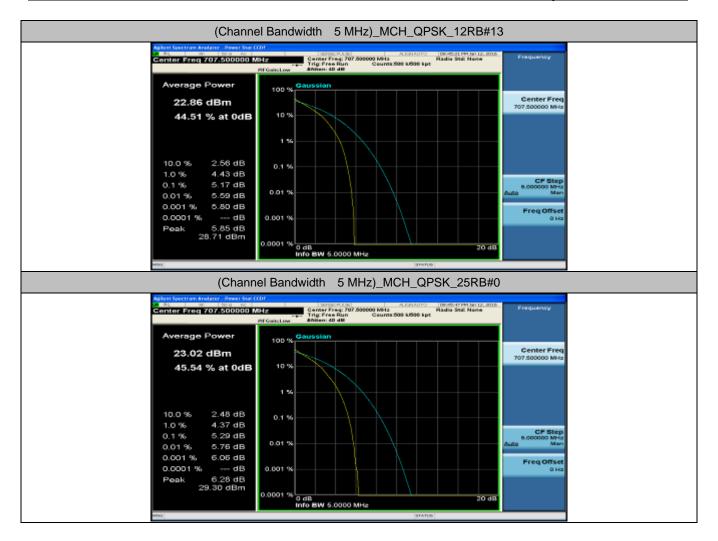


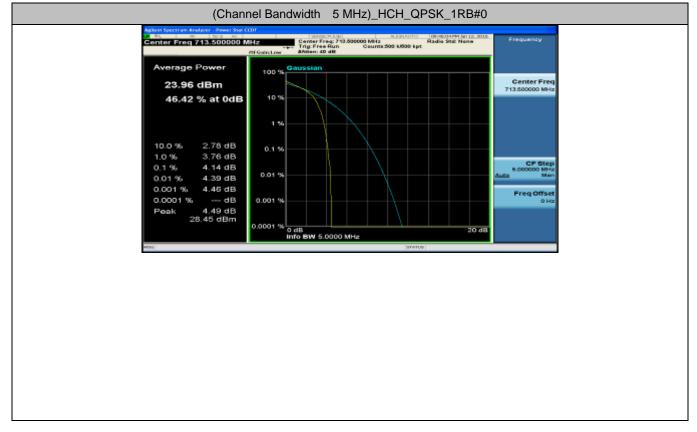
(Channel Bandwidth 5 MHz)_MCH_QPSK_12RB#0



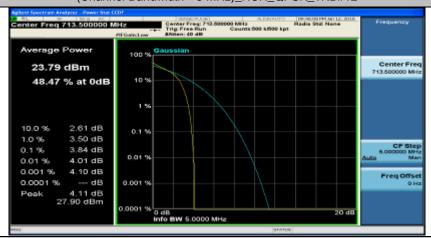
(Channel Bandwidth 5 MHz)_MCH_QPSK_12RB#6



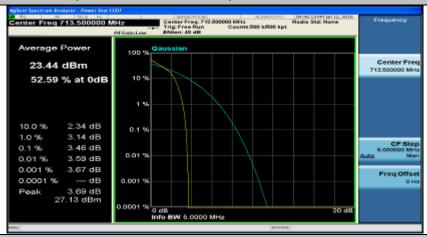




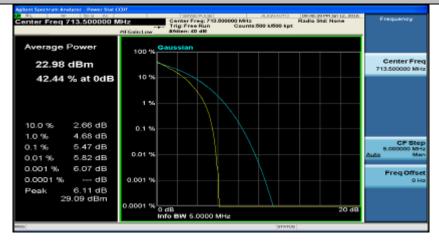
(Channel Bandwidth 5 MHz)_HCH_QPSK_1RB#12



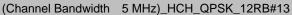
(Channel Bandwidth 5 MHz)_HCH_QPSK_1RB#24

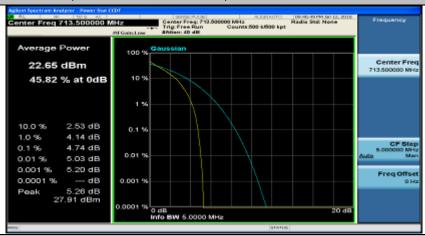


(Channel Bandwidth 5 MHz)_HCH_QPSK_12RB#0

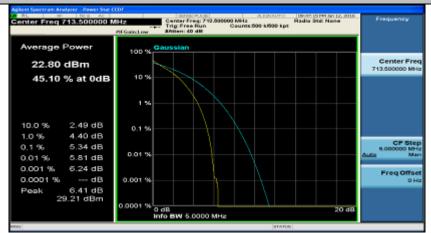


(Channel Bandwidth 5 MHz)_HCH_QPSK_12RB#6 Cerner Free: 719.500000 MH12 Radio Stor. Home Trig: Free Run Courns 500 x500 kpt Antonia D dis Average Power 100 % Center Free 713.500000 MHz 22.85 dBm 43.80 % at 0dB 10.90 1.56 10.0 % 2.60 dB 0.1 % 4.46 dB 1.0 % 5.13 dB 0.1 % 0.01 % 5.38 dB 0.01% 0.001 % 5.57 dB 0.0001 % --- dB 5.65 dB 28.50 dBm 0.0001 % o dB Info BW 5.0000 MHz

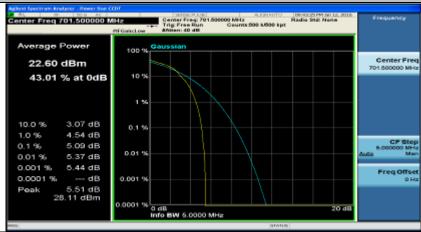




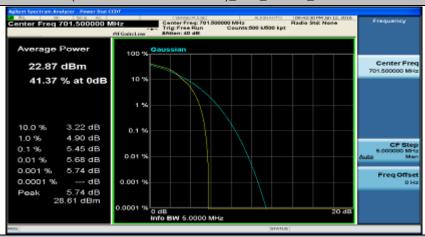
(Channel Bandwidth 5 MHz)_HCH_QPSK_25RB#0



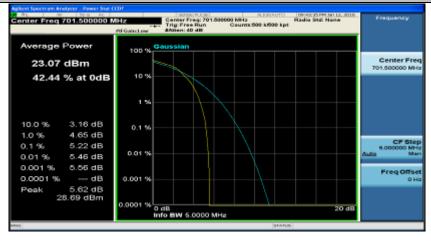
(Channel Bandwidth 5 MHz)_LCH_16QAM_1RB#0



(Channel Bandwidth 5 MHz)_LCH_16QAM_1RB#12



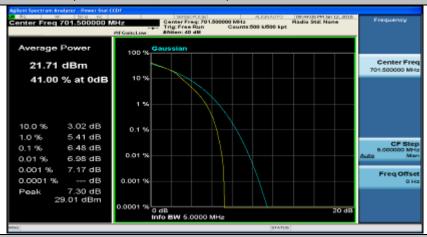
(Channel Bandwidth 5 MHz)_LCH_16QAM_1RB#24



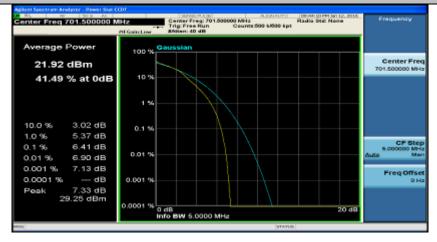
(Channel Bandwidth 5 MHz)_LCH_16QAM_12RB#0



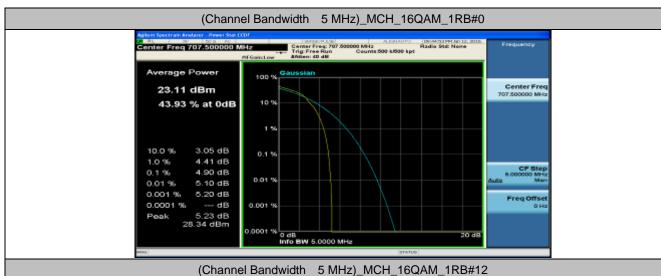
(Channel Bandwidth 5 MHz)_LCH_16QAM_12RB#6

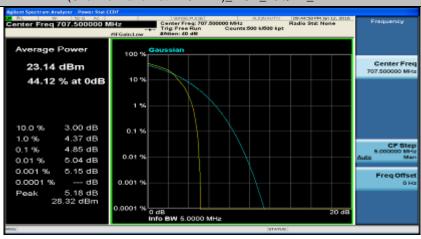


(Channel Bandwidth 5 MHz)_LCH_16QAM_12RB#13



(Channel Bandwidth 5 MHz)_LCH_16QAM_25RB#0 Content Free; 701.500000 MH2 Radio Std: None Trig: Free Run Courte 500 k/500 kpt African 40 488 ter Freq 701.500000 MHz Average Power 100 % Center Free 701.500000 MH: 21.81 dBm 42.02 % at 0dB 10.90 1.56 2.98 dB 10.0 % 0.1 % 5.32 dB 1.0 % 6.49 dB 0.1 % 7.13 dB 0.01% 0.001 % 7.36 dB 0.0001 % --- dB 7.44 dB 29.25 dBm 0.0001 % 0 dB Info BW 5.0000 MHz 20 dB

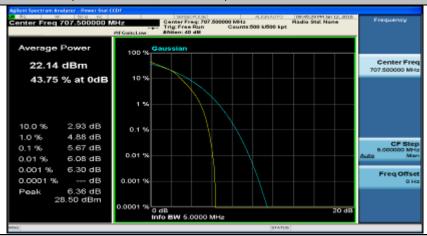




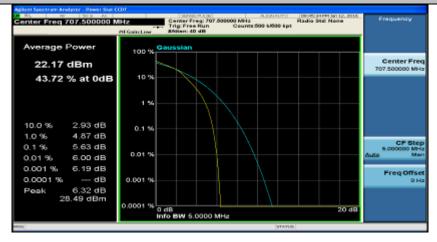
(Channel Bandwidth 5 MHz)_MCH_16QAM_1RB#24

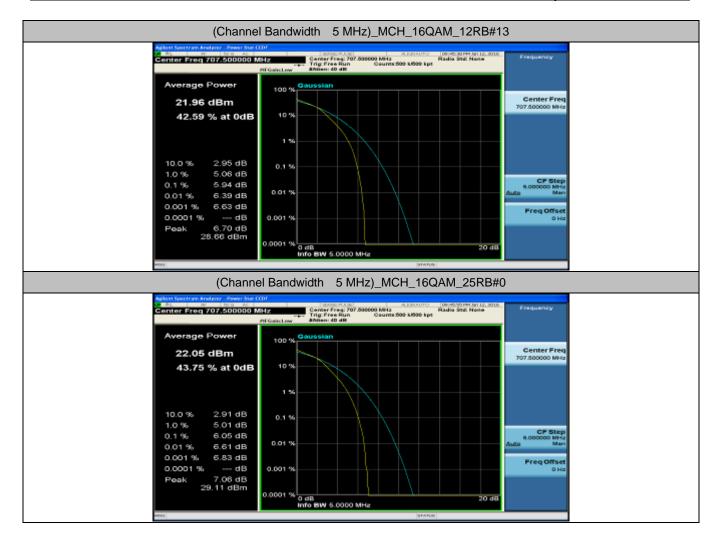


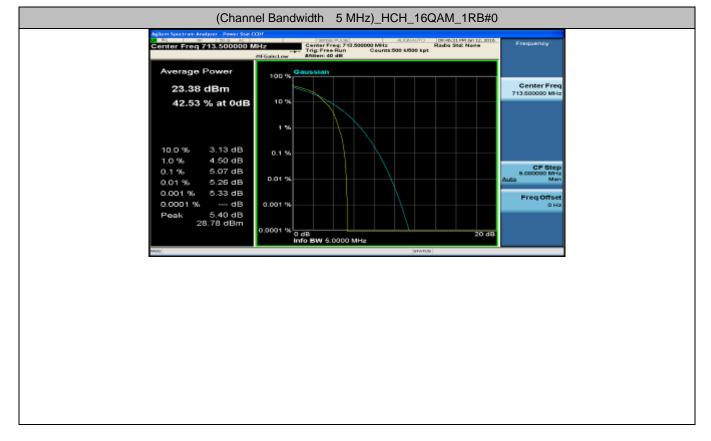
(Channel Bandwidth 5 MHz)_MCH_16QAM_12RB#0



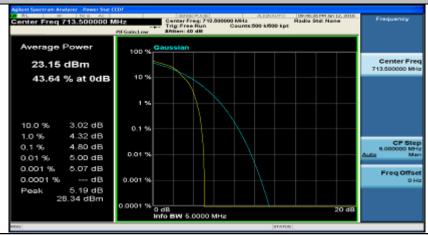
(Channel Bandwidth 5 MHz)_MCH_16QAM_12RB#6







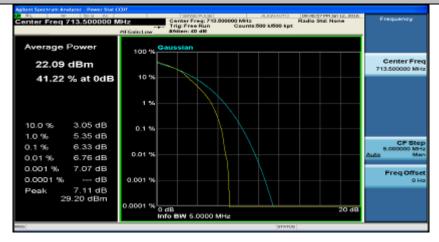
(Channel Bandwidth 5 MHz)_HCH_16QAM_1RB#12



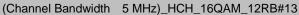
(Channel Bandwidth 5 MHz)_HCH_16QAM_1RB#24

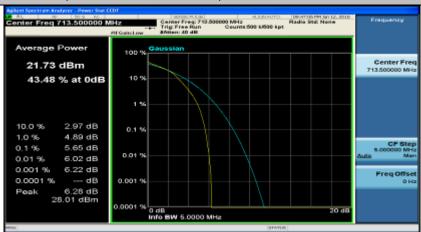


(Channel Bandwidth 5 MHz)_HCH_16QAM_12RB#0

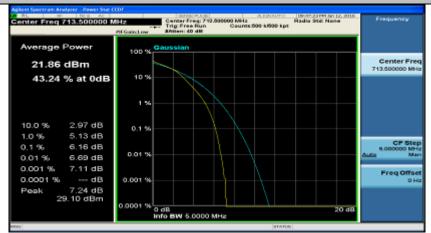


(Channel Bandwidth 5 MHz)_HCH_16QAM_12RB#6 Center Freq: 713.500000 MHz Radio Std: None Trig: Free Run Counts:500 k/500 kpt AAtten: 40 48 Average Power 100 % Center Free 713.500000 MHz 21.96 dBm 41.89 % at 0dB 10.90 1.56 10.0 % 3.02 dB 0.1 % 5.19 dB 1.0 % 6.04 dB 0.1 % 0.01 % 6.38 dB 0.01% 0.001 % 6.57 dB 0.0001 % --- dB 6.68 dB 28.64 dBm 0.0001 % 0 dB Info BW 5.0000 MHz 20 dB

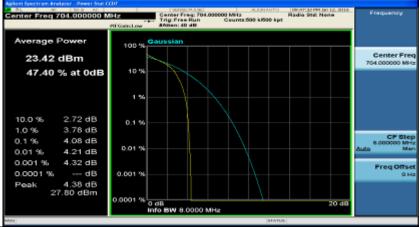




(Channel Bandwidth 5 MHz)_HCH_16QAM_25RB#0



Channel Bandwidth 10 MHz_LCH_QPSK_1RB#0 Center Freq: 704.000000 MH2 Radio Std: None Trig: Free Run Courts:500 s500 kpt



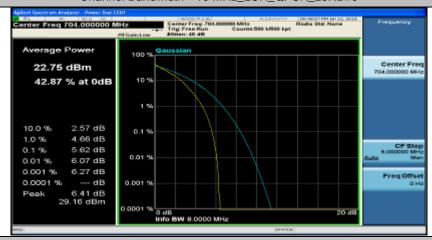
Channel Bandwidth 10 MHz_LCH_QPSK_1RB#24



Channel Bandwidth 10 MHz_LCH_QPSK_1RB#49



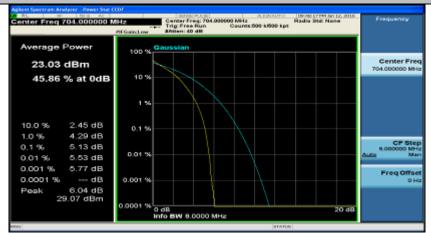
Channel Bandwidth 10 MHz_LCH_QPSK_25RB#0

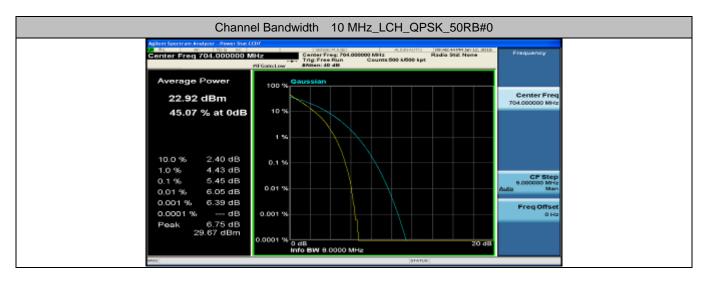


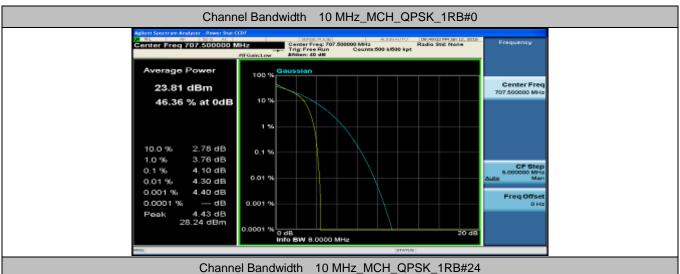
Channel Bandwidth 10 MHz_LCH_QPSK_25RB#12



Channel Bandwidth 10 MHz_LCH_QPSK_25RB#25

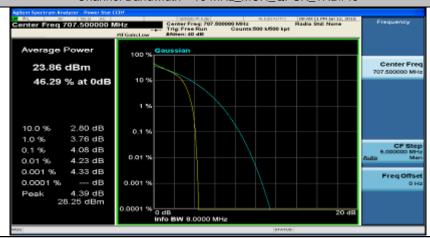




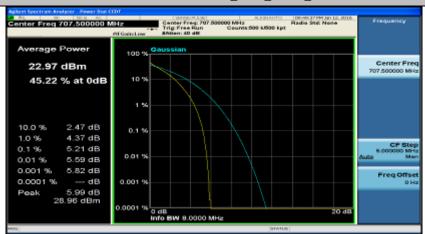




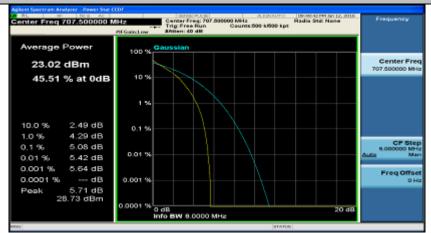
Channel Bandwidth 10 MHz_MCH_QPSK_1RB#49

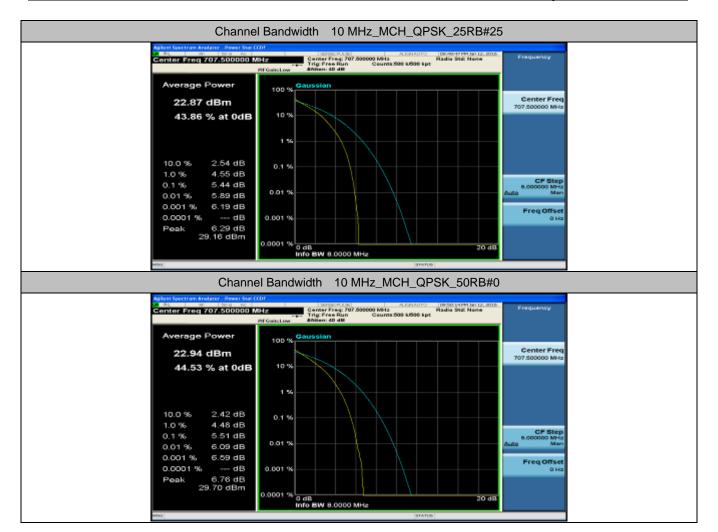


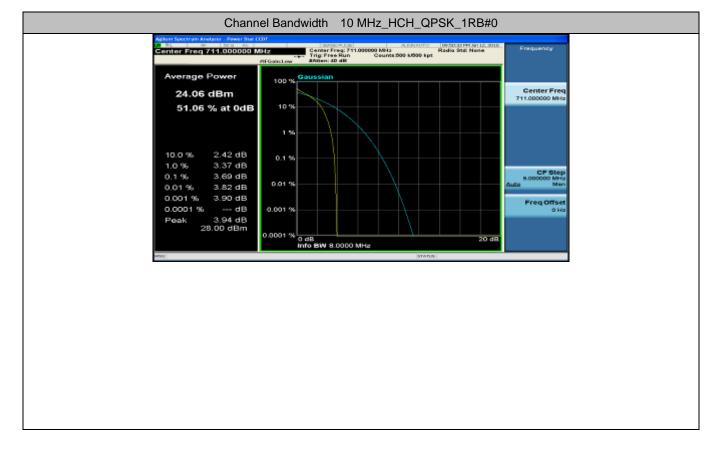
Channel Bandwidth 10 MHz_MCH_QPSK_25RB#0



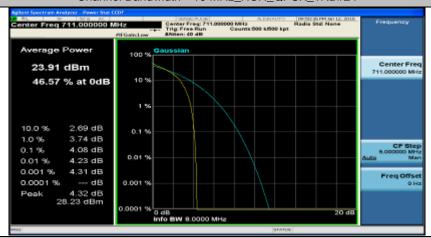
Channel Bandwidth 10 MHz_MCH_QPSK_25RB#12







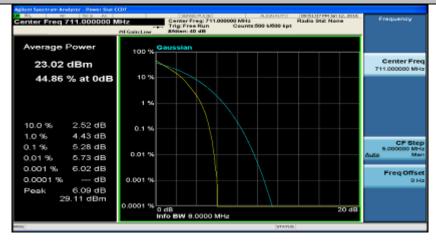
Channel Bandwidth 10 MHz_HCH_QPSK_1RB#24



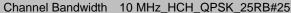
Channel Bandwidth 10 MHz_HCH_QPSK_1RB#49

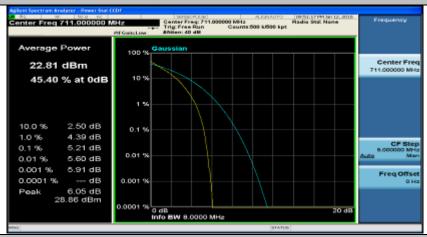


Channel Bandwidth 10 MHz_HCH_QPSK_25RB#0

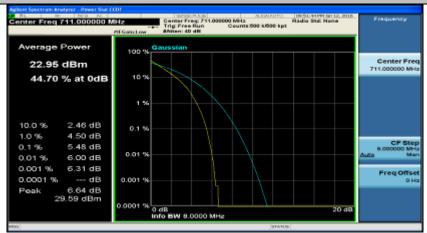


Channel Bandwidth 10 MHz_HCH_QPSK_25RB#12 Center Free; 71,000000 MHz Trig: Free Run Counts 500 k500 kpt After 10 dill Average Power 100 % Center Free 711.000000 MHz 22.92 dBm 43.03 % at 0dB 10.90 1.56 10.0 % 2.59 dB 0.1 % 4.65 dB 1.0 % 5.53 dB 0.1 % 0.01 % 5.94 dB 0.01% 0.001 % 6.13 dB 0.0001 % --- dB 6.18 dB 29.10 dBm 0.0001 % 0 dB Info BW 8.0000 MHz 20 dB

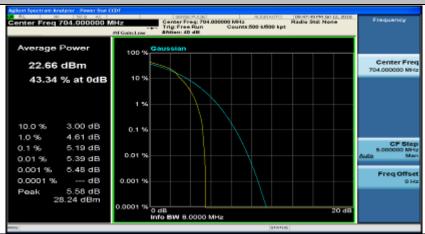




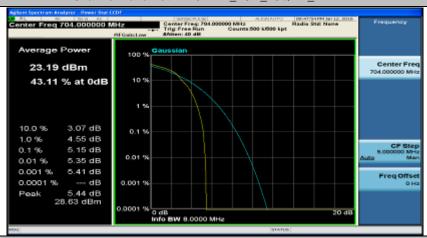
Channel Bandwidth 10 MHz_HCH_QPSK_50RB#0



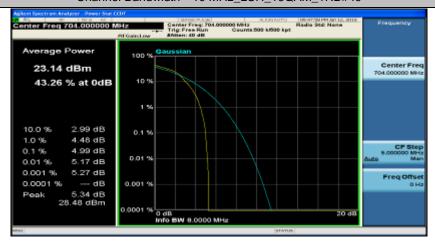
Channel Bandwidth 10 MHz_LCH_16QAM_1RB#0



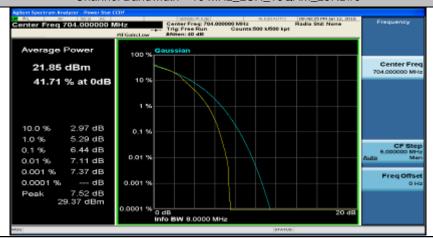
Channel Bandwidth 10 MHz_LCH_16QAM_1RB#24



Channel Bandwidth 10 MHz_LCH_16QAM_1RB#49



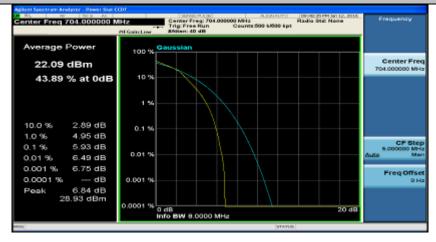
Channel Bandwidth 10 MHz_LCH_16QAM_25RB#0

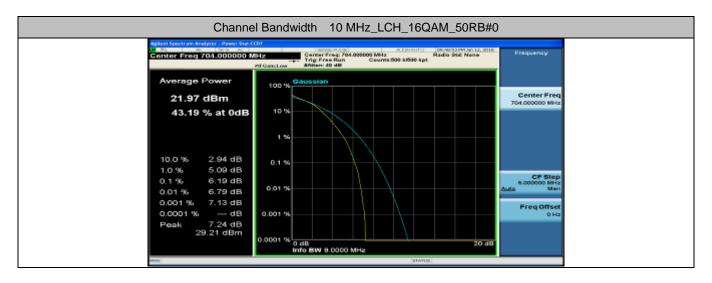


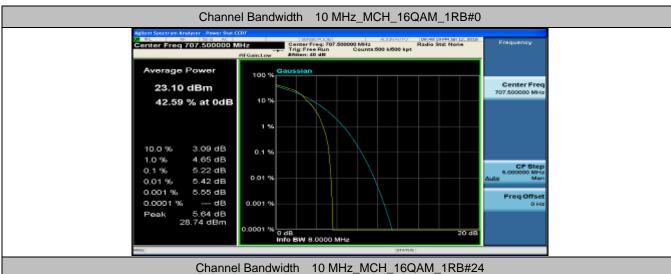
Channel Bandwidth 10 MHz_LCH_16QAM_25RB#12



Channel Bandwidth 10 MHz_LCH_16QAM_25RB#25





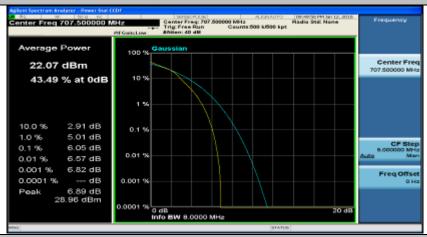




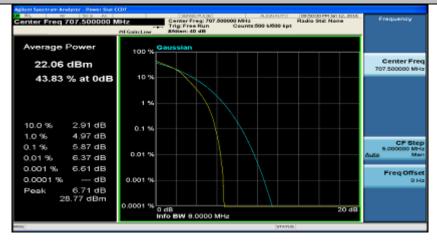
Channel Bandwidth 10 MHz_MCH_16QAM_1RB#49

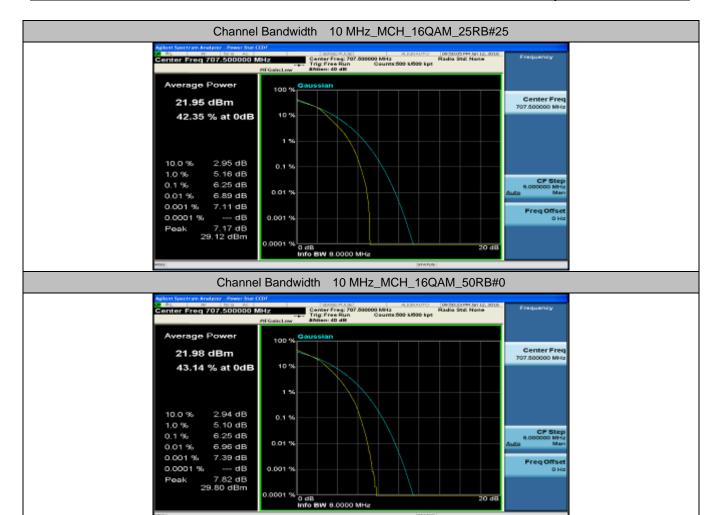


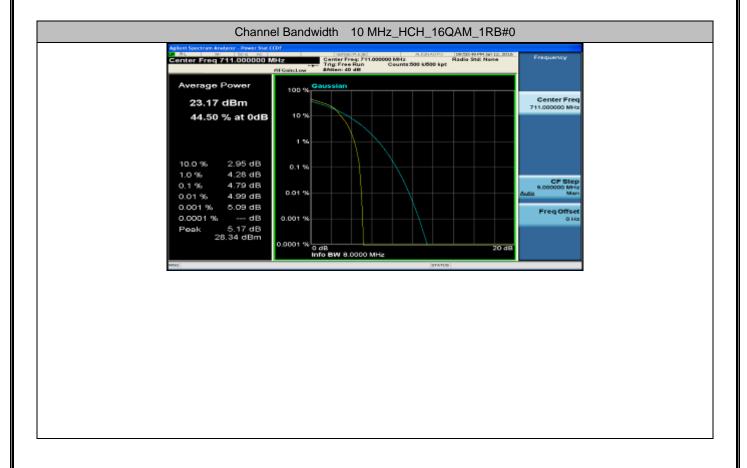
Channel Bandwidth 10 MHz_MCH_16QAM_25RB#0



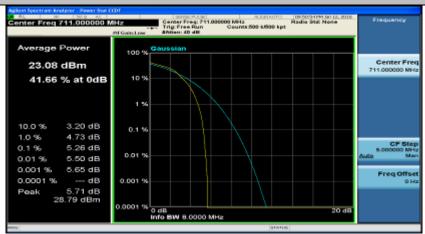
Channel Bandwidth 10 MHz_MCH_16QAM_25RB#12







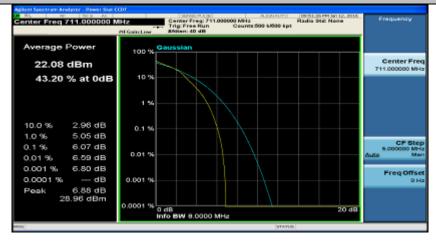
Channel Bandwidth 10 MHz_HCH_16QAM_1RB#24



Channel Bandwidth 10 MHz_HCH_16QAM_1RB#49



Channel Bandwidth 10 MHz_HCH_16QAM_25RB#0



Channel Bandwidth 10 MHz_HCH_16QAM_25RB#12 Contex Fires: 711,000000 MH2 Radio Std: None Trig: Free Run Courte: 500 k/500 kpt Afritan: 40 dill Average Power 100 % Center Free 711.000000 MHz 22.00 dBm 41.65 % at 0dB 10.90 1.56 10.0 % 3.00 dB 0.1 % 5.29 dB 1.0 % 6.32 dB 0.1 % 0.01 % 6.81 dB 0.01% 0.001 % 6.99 dB 0.0001 % --- dB 7.14 dB 29.14 dBm 0.0001 % 0 dB Info BW 8.0000 MHz 20 dB

Channel Bandwidth 10 MHz_HCH_16QAM_25RB#25



Channel Bandwidth 10 MHz_HCH_16QAM_50RB#0



D.3: 26dB Bandwidth and Occupied Bandwidth

Channel Bandwidth 1.4 MHz							
Modulation	Channel	RB Configuration		Occupied Bandwidth	26dB Bandwidth	Vardiet	
		Size	Offset	(MHz)	(MHz)	Verdict	
QPSK	LCH	6	0	1.0751	1.221	PASS	
	MCH	6	0	1.0749	1.211	PASS	
	HCH	6	0	1.0776	1.228	PASS	
16QAM	LCH	6	0	1.0809	1.226	PASS	
	MCH	6	0	1.0801	1.224	PASS	
	HCH	6	0	1.0769	1.226	PASS	

Channel Bandwidth 3 MHz							
Modulation	Channel	RB Configuration		Occupied Bandwidth	26dB Bandwidth	\/a nali at	
		Size	Offset	(MHz)	(MHz)	Verdict	
QPSK	LCH	15	0	2.6852	2.859	PASS	
	MCH	15	0	2.6826	2.856	PASS	
	HCH	15	0	2.6848	2.889	PASS	
16QAM	LCH	15	0	2.6854	2.875	PASS	
	MCH	15	0	2.6821	2.881	PASS	
	HCH	15	0	2.6871	2.867	PASS	

Channel Bandwidth 5 MHz							
Modulation	Channel	RB Configuration		Occupied Bandwidth	26dB Bandwidth	Vardiet	
		Size	Offset	(MHz)	(MHz)	Verdict	
QPSK	LCH	25	0	4.4866	4.853	PASS	
	MCH	25	0	4.4830	4.837	PASS	
	HCH	25	0	4.4784	4.837	PASS	
16QAM	LCH	25	0	4.4881	4.799	PASS	
	MCH	25	0	4.4745	4.828	PASS	
	HCH	25	0	4.4834	4.807	PASS	

Channel Bandwidth 10 MHz							
Modulation	Channel	RB Configuration		Occupied Bandwidth	26dB Bandwidth	Verdict	
		Size	Offset	(MHz)	(MHz)	verdict	
QPSK	LCH	50	0	8.9451	9.553	PASS	
	MCH	50	0	8.9322	9.468	PASS	
	HCH	50	0	8.9473	9.442	PASS	
16QAM	LCH	50	0	8.9473	9.428	PASS	
	MCH	50	0	8.9292	9.461	PASS	
	HCH	50	0	8.9483	9.492	PASS	

Test Graphs

