Appendix D: Test Data For E-UTRA Band 12

D.1: RF Output Power

	Channel Bandwidth 1.4 MHz								
Modulation	Channel	RB Conf	iguration	Average Power [dBm]	E.r.p [dBm]	Verdict			
Modulation	Onamie	Size	Offset	Average I ower [ubin]	L.i.p [dDiii]	Verdict			
		1	0	22.13		PASS			
		1	3	22.26		PASS			
		1	5	22.14		PASS			
	LCH	3	0	22.24		PASS			
		3	2	22.26		PASS			
		3	3	22.37		PASS			
		6	0	21.28		PASS			
		1	0	22.66		PASS			
		1	3	22.76		PASS			
		1	5	22.72		PASS			
QPSK	MCH	3	0	22.82		PASS			
		3	2	22.72		PASS			
		3	3	22.82		PASS			
		6	0	21.70		PASS			
		1	0	22.37		PASS			
		1	3	22.47		PASS			
		1	5	22.30		PASS			
	HCH	3	0	22.46		PASS			
		3	2	22.48		PASS			
		3	3	22.40		PASS			
		6	0	21.45		PASS			
		1	0	21.42		PASS			
		1	3	21.63		PASS			
		1	5	21.58		PASS			
	LCH	3	0	21.38		PASS			
		3	2	21.44		PASS			
		3	3	21.41		PASS			
		6	0	20.29		PASS			
400414		1	0	22.01		PASS			
16QAM		1	3	22.12		PASS			
		1	5	22.02		PASS			
	MCH	3	0	21.77		PASS			
		3	2	21.73		PASS			
		3	3	21.82		PASS			
		6	0	20.66		PASS			
		1	0	21.66		PASS			
	HCH	1	3	21.76		PASS			

<u>SHENZHEN LC</u>	CS COMPLIANO	CE TESTING L	<u>ABORATORY L</u>	TD. FCC ID: 2AG5L-FTU152A	Report No.: LCS1601261992E
		1	5	21.52	PASS
		3	0	21.53	PASS
		3	2	21.41	PASS
		3	3	21.47	PASS
		6	0	20.59	PASS

			Channe	el Bandwidth 3 MHz		
Modulation	Channel		figuration	Average Power [dBm]	E.r.p [dBm]	Verdict
Modulation	Onarmor	Size	Offset	7.verage i ewer [abiii]	Linp [dbiii]	Voluiot
	<u> </u>	1	0	22.14		PASS
		1	7	22.39		PASS
		1	14	22.37		PASS
	LCH	8	0	21.27		PASS
		8	4	21.46		PASS
		8	7	21.49		PASS
		15	0	21.36		PASS
		1	0	22.58		PASS
		1	7	22.76		PASS
		1	14	22.75		PASS
QPSK	MCH	8	0	21.80		PASS
		8	4	21.89		PASS
		8	7	21.86		PASS
		15	0	21.82		PASS
		1	0	22.45		PASS
		1	7	22.43		PASS
		1	14	22.21		PASS
	HCH	8	0	21.60		PASS
		8	4	21.48		PASS
		8	7	21.40		PASS
		15	0	21.45		PASS
		1	0	21.41		PASS
		1	7	21.71		PASS
		1	14	21.73		PASS
	LCH	8	0	20.41		PASS
		8	4	20.52		PASS
		8	7	20.64		PASS
400414		15	0	20.44		PASS
16QAM		1	0	21.93		PASS
		1	7	22.12		PASS
		1	14	21.98		PASS
	мсн	8	0	20.81		PASS
		8	4	20.93		PASS
		8	7	20.96		PASS
		15	0	20.74		PASS

<u>SHENZHEN L</u>	CS COMPLIAN	CE TESTING L	ABORATORY I	TD. FCC ID: 2AG5L-FTU152A	Report No.: LCS1601261992E
		1	0	21.94	PASS
		1	7	21.83	PASS
		1	14	21.48	PASS
	HCH	8	0	20.59	PASS
		8	4	20.43	PASS
		8	7	20.44	PASS
		15	0	20.46	PASS

			Channe	el Bandwidth 5 MHz		
Modulation Channel		RB Conf	figuration Offset	Average Power [dBm]	E.r.p [dBm]	Verdict
		1 3ize	0	22.28		PASS
		1	12	22.55		PASS
		1	24	22.66		PASS
	LCH	12	0	21.47		PASS
	LON	12	6	21.59		PASS
		12	13	21.75		PASS
		25	0	21.58		PASS
		1	0	22.75		PASS
		1	12	22.73		PASS
		1	24	22.77		PASS
QPSK	MCH	12	0	21.83		PASS
QFSN	IVICIT	12	6	21.94		PASS
		12	13	21.68		PASS
		25	0	21.75		PASS
		1	0	22.68		PASS
		1	12	22.65		PASS
	НСН	1	24	22.32		PASS
		12	0	21.74		PASS
		12	6	21.67		PASS
		12	13	21.42		PASS
		25	0	21.56		PASS
		1	0	21.68		PASS
		1	12	21.79		PASS
		1	24	21.83		PASS
	LCH	12	0	20.63		PASS
	2011	12	6	20.72		PASS
		12	13	20.94		PASS
16QAM		25	0	20.61		PASS
		1	0	21.78		PASS
		1	12	21.83		PASS
	MCH	1	24	21.84		PASS
		12	0	20.95		PASS
		12	6	20.98		PASS

SHENZHEN LC	SHENZHEN LCS COMPLIANCE TESTING LABORATORY LTD.			LTD. FCC ID: 2AG5L-FTU152A	Report No.: LCS1601261992E
		12	13	20.92	PASS
		25	0	20.81	PASS
		1	0	21.79	PASS
		1	12	21.73	PASS
		1	24	21.23	PASS
	HCH	12	0	20.90	PASS
		12	6	20.76	PASS
		12	13	20.58	PASS
		25	0	20.72	PASS

			Channe	I Bandwidth 10 MHz		
Modulation	Channel	RB Con	figuration	Average Dower [dDm]	C to [dDm]	Verdict
Modulation	Channel	Size	Offset	Average Power [dBm]	E.r.p [dBm]	verdict
		1	0	22.23		PASS
		1	24	22.65		PASS
		1	49	22.64		PASS
	LCH	25	0	21.56		PASS
		25	12	21.76		PASS
		25	25	21.83		PASS
		50	0	21.73		PASS
		1	0	22.57		PASS
		1	24	22.67		PASS
		1	49	22.55		PASS
QPSK	MCH	25	0	21.82		PASS
		25	12	21.80		PASS
		25	25	21.69		PASS
		50	0	21.72		PASS
		1	0	22.78		PASS
		1	24	22.71		PASS
		1	49	22.25		PASS
	HCH	25	0	21.79		PASS
		25	12	21.74		PASS
		25	25	21.61		PASS
		50	0	21.79		PASS
		1	0	21.57		PASS
		1	24	21.68		PASS
		1	49	21.73		PASS
	LCH	25	0	20.63		PASS
16QAM		25	12	20.81		PASS
IOQAIVI		25	25	20.90		PASS
		50	0	20.77		PASS
		1	0	21.73		PASS
	MCH	1	24	21.82		PASS
		1	49	21.83		PASS

SHENZHEN LCS C	HENZHEN LCS COMPLIANCE TESTING LABORATORY LTD.			ETD. FCC ID: 2AG5L-FTU	152A Report No.: LCS1601261992E
			,	1	
		25	0	20.81	PASS
		25	12	20.88	PASS
		25	25	20.74	PASS
		50	0	20.77	PASS
		1	0	21.70	PASS
		1	24	21.81	PASS
		1	49	21.60	PASS
	HCH	25	0	20.84	PASS
		25	12	20.76	PASS
		25	25	20.68	PASS
		50	0	20.79	PASS

D.2: Peak-to-Average Ratio

			Channel E	Bandwidth 1.4 MHz		
Modulation	Channel	RB Con	figuration	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
	нсн	1	3	4.5	<13	PASS
		1	5	4.6	<13	PASS

<u>SHENZHEN L</u>	CS COMPLIANO	CE TESTING L	<u>ABORATORY LI</u>	D. FCC ID: 2AG5L-F1U152A	Report No.: LCS1	<u>001201992E</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		
Madulation	Channal	RB Conf	iguration	Peak-to-Average Ratio	Limit	Vardiet
Modulation	Channel	Size	Offset	[dB]	[dB]	Verdict
		1	0	4.06	<13	PASS
		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
		1	14	3.9	<13	PASS
QPSK	MCH	8	0	4.87	<13	PASS
		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
		1	7	5.37	<13	PASS
		1	14	5.53	<13	PASS
	LCH	8	0	6.02	<13	PASS
		8	4	6.21	<13	PASS
		8	7	6.37	<13	PASS
		15	0	6.54	<13	PASS
16QAM		1	0	4.9	<13	PASS
		1	7	4.86	<13	PASS
		1	14	5.06	<13	PASS
	MCH	8	0	5.6	<13	PASS
		8	4	5.57	<13	PASS
		8	7	5.65	<13	PASS
		15	0	6.04	<13	PASS
	HCH	1	0	5.14	<13	PASS

<u>'CE TESTING I</u>	ABORATORY LTD.	FCC ID: 2AG5L-FTU152A	Report No.: LCS1601261992E	
1	7	4.72	<13	PASS
1	14	4.61	<13	PASS
8	0	5.8	<13	PASS
8	4	5.54	<13	PASS
8	7	5.38	<13	PASS
15	0	5.94	<13	PASS
	1 1 8 8 8	8 0 8 4 8 7	1 7 4.72 1 14 4.61 8 0 5.8 8 4 5.54 8 7 5.38	1 7 4.72 <13

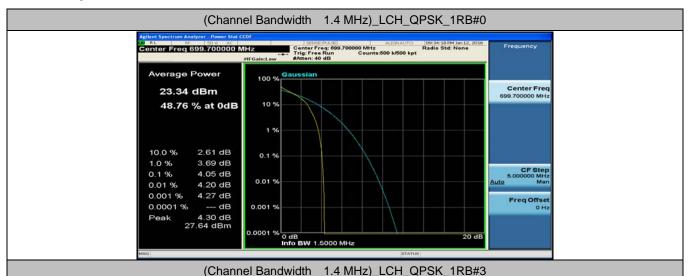
			Channel	Bandwidth 5 MHz		
Modulation	Channel	RB Configuration		Peak-to-Average Ratio	Limit	Vardiat
		Size	Offset	[dB]	[dB]	Verdict
	LCH	1	0	3.97	<13	PASS
		1	12	4.23	<13	PASS
		1	24	3.99	<13	PASS
		12	0	5.43	<13	PASS
		12	6	5.65	<13	PASS
		12	13	5.58	<13	PASS
		25	0	5.73	<13	PASS
		1	0	3.74	<13	PASS
		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
	МСН	1	0	4.9	<13	PASS
		1	12	4.85	<13	PASS
		1	24	5.1	<13	PASS
		12	0	5.67	<13	PASS
		12	6	5.63	<13	PASS
		12	13	5.94	<13	PASS

SHENZHEN LCS COMPLIANCE TESTING LABORATORY LTD.				TD. FCC ID: 2AG5L-FTU152A	Report No.: LCS1601261992E	
		25	0	6.05	<13	PASS
		1	0	5.07	<13	PASS
	НСН	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

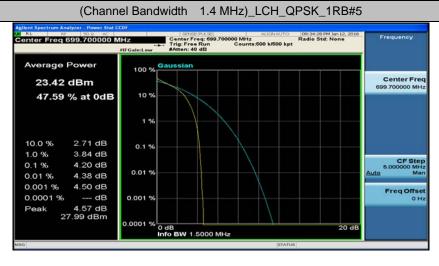
			Channel	Bandwidth 10 MHz		
Modulation	Channel	RB Configuration		Peak-to-Average Ratio	Limit	Verdict
		Size	Offset	[dB]	[dB]	verdict
		1	0	4.08	<13	PASS
	LCH	1	24	3.97	<13	PASS
		1	49	3.92	<13	PASS
		25	0	5.62	<13	PASS
		25	12	5.41	<13	PASS
		25	25	5.13	<13	PASS
		50	0	5.45	<13	PASS
		1	0	4.1	<13	PASS
		1	24	3.84	<13	PASS
		1	49	4.08	<13	PASS
QPSK	MCH	25	0	5.21	<13	PASS
		25	12	5.08	<13	PASS
		25	25	5.44	<13	PASS
		50	0	5.51	<13	PASS
	НСН	1	0	3.69	<13	PASS
		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
		1	24	5.15	<13	PASS
		1	49	4.99	<13	PASS
		25	0	6.44	<13	PASS
16QAM		25	12	6.2	<13	PASS
		25	25	5.93	<13	PASS
		50	0	6.19	<13	PASS
	МСН	1	0	5.22	<13	PASS
		1	24	4.85	<13	PASS
		1	49	5.28	<13	PASS
		25	0	6.05	<13	PASS

SHENZHEN LCS COMPLIANCE TESTING LABORATORY LTD.			TD. FCC ID: 2AG5L-FTU152A	Report No.: LCS1601261992E		
		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_3RB#0 Center Freq: 599,700000 MHz Trig: Free Run #Atten: 40 dB nter Freq 699.700000 MHz Average Power 100 % 23.47 dBm 10 % 47.92 % at 0dB 10.0 % 2.44 dB 3.79 dB CF Step 5.000000 MHz 0.1 % 4.23 dB 0.01 % 0.01 % 4.53 dB 0.001 % 4.77 dB Freq Offset % --- dB 4.85 dB 28.32 dBm 0.0001 % 0.001 % Peak 0.0001 9 0 dB Info BW 1.5000 MHz

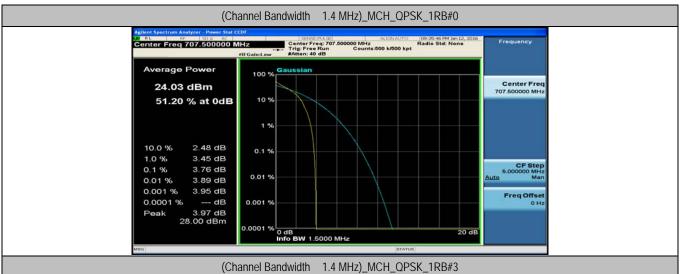
(Channel Bandwidth 1.4 MHz)_LCH_QPSK_3RB#2



(Channel Bandwidth 1.4 MHz)_LCH_QPSK_3RB#3



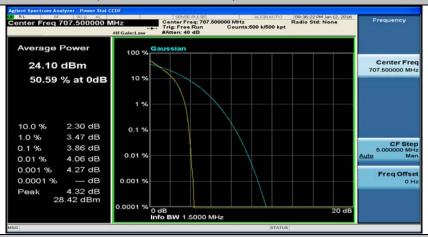




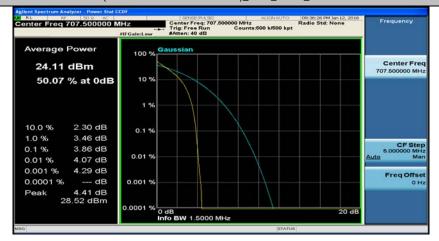


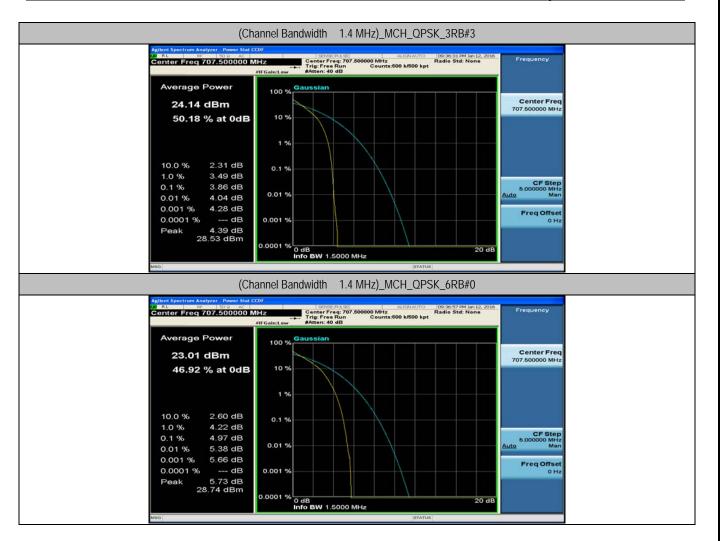
(Channel Bandwidth 1.4 MHz)_MCH_QPSK_1RB#5 Center Freq: 707,500000 MHz Trig: Free Run Counts:500 k/500 kpt #Atten: 40 dB nter Freq 707.500000 MHz Average Power 100 % Center Freq 707.500000 MHz 24.06 dBm 10 % 50.34 % at 0dB 10.0 % 2.49 dB 3.45 dB CF Step 5.000000 MHz 0.1 % 3.76 dB 0.01 % 0.01 % 3.88 dB 0.001 % 3.94 dB Freq Offset % --- dB 3.96 dB 28.02 dBm 0.0001 % 0.001 % Peak 0.0001 9 0 dB Info BW 1.5000 MHz

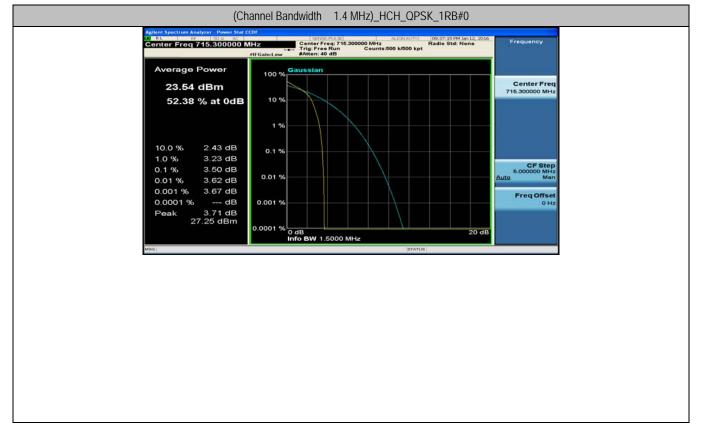
(Channel Bandwidth 1.4 MHz)_MCH_QPSK_3RB#0



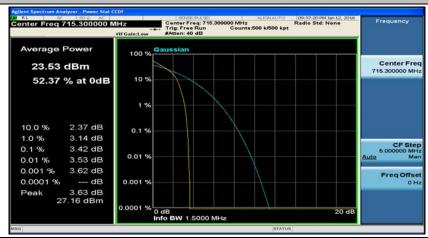
(Channel Bandwidth 1.4 MHz)_MCH_QPSK_3RB#2



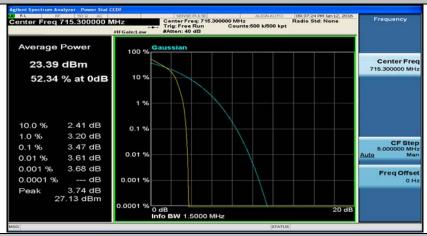




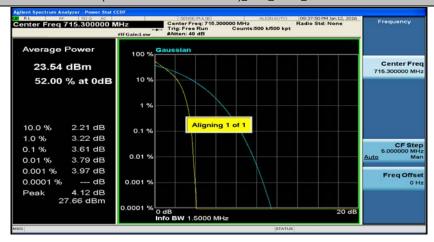
(Channel Bandwidth 1.4 MHz)_HCH_QPSK_1RB#3



(Channel Bandwidth 1.4 MHz)_HCH_QPSK_1RB#5



(Channel Bandwidth 1.4 MHz)_HCH_QPSK_3RB#0



(Channel Bandwidth 1.4 MHz)_HCH_QPSK_3RB#2 nter Freq 715.300000 MHz Average Power 100 % 23.54 dBm 51.84 % at 0dB 10 % 10.0 % 2.22 dB 3.20 dB CF Step 5.000000 MHz 0.1 % 3.56 dB 0.01 % 0.01 % 3.77 dB 0.001 % 3.90 dB Freq Offset % --- dB 3.98 dB 27.52 dBm 0.0001 % 0.001 % Peak 0.0001 9 0 dB Info BW 1.5000 MHz (Channel Bandwidth 1.4 MHz)_HCH_QPSK_3RB#3 Center Freq 715.300000 MHz Frequency Average Power 100 % Center Freq 715.300000 MHz 23.51 dBm 10 % 52.06 % at 0dB

10.0 %

1.0 %

0.1 %

Peak

0.01 %

0.001 %

0.0001 %



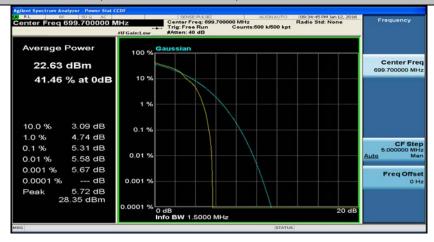


(Channel Bandwidth 1.4 MHz)_LCH_16QAM_1RB#0 Center Freq 699.700000 MHz Average Power Center Freq 699.700000 MHz 22.52 dBm 42.49 % at 0dB 10 % 1 % 10.0 % 3.06 dB 0.1 % 4.60 dB 1.0 % CF Step 5.000000 MH 5.13 dB 0.1 % 0.01 % 0.01 % 5.38 dB 0.001 % 5.46 dB Freq Offse 0.0001 % --- dB 0.001 % 5.49 dB 28.01 dBm 0.0001 % 0 dB Info BW 1.5000 MHz

(Channel Bandwidth 1.4 MHz)_LCH_16QAM_1RB#3

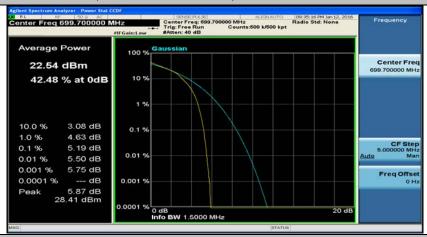


(Channel Bandwidth 1.4 MHz)_LCH_16QAM_1RB#5

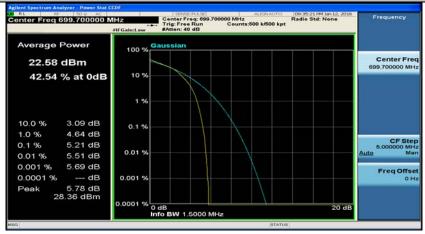


(Channel Bandwidth 1.4 MHz)_LCH_16QAM_3RB#0 Center Freq: 699,700000 MHz Trig: Free Run ALIONAUTO 00:35112 PM 3m12, Radio Std: None #Atten: 40 dB nter Freq 699.700000 MHz Average Power 100 % 22.53 dBm 43.09 % at 0dB 10 % 10.0 % 3.04 dB 4.51 dB CF Step 5.000000 MHz 0.1 % 5.06 dB 0.01 % 0.01 % 5.34 dB 0.001 % 5.44 dB Freq Offset 0.0001 % --- dB 0.001 % 5.54 dB 28.07 dBm Peak 0.0001 9 0 dB Info BW 1.5000 MHz

(Channel Bandwidth 1.4 MHz)_LCH_16QAM_3RB#2

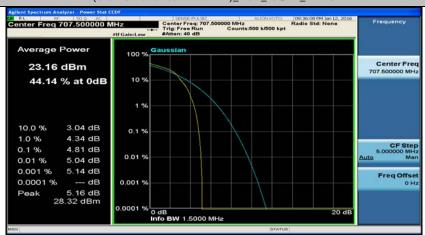


(Channel Bandwidth 1.4 MHz)_LCH_16QAM_3RB#3



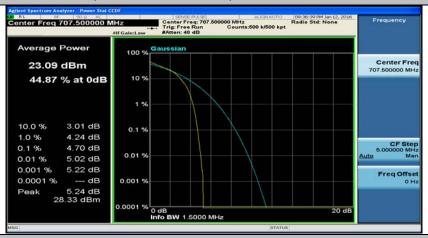




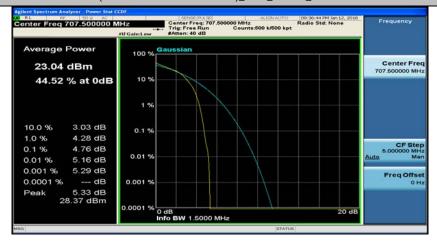


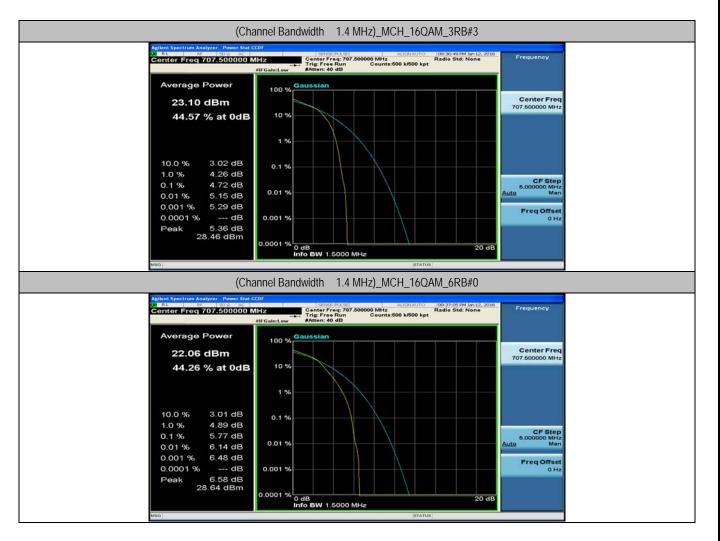
(Channel Bandwidth 1.4 MHz)_MCH_16QAM_1RB#5 Center Freq: 707,500000 MHz Trig: Free Run Counts:500 k/500 kpt #Atten: 40 dB nter Freq 707.500000 MHz Average Power 100 % Center Freq 707.500000 MHz 23.18 dBm 43.87 % at 0dB 10 % 10.0 % 3.02 dB 4.36 dB CF Step 5.000000 MHz 0.1 % 4.87 dB 0.01 % 0.01 % 5.10 dB 0.001 % 5.19 dB Freq Offset % --- dB 5.24 dB 28.42 dBm 0.0001 % 0.001 % Peak 0.0001 9 0 dB Info BW 1.5000 MHz

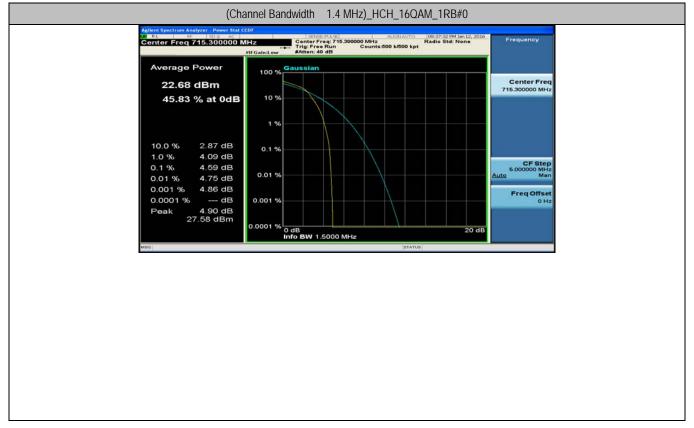
(Channel Bandwidth 1.4 MHz)_MCH_16QAM_3RB#0



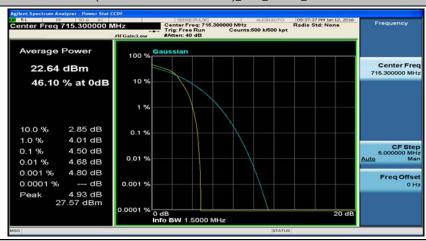
(Channel Bandwidth 1.4 MHz)_MCH_16QAM_3RB#2







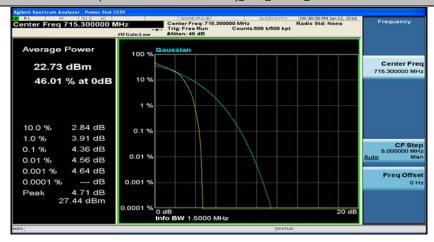
(Channel Bandwidth 1.4 MHz)_HCH_16QAM_1RB#3



(Channel Bandwidth 1.4 MHz)_HCH_16QAM_1RB#5



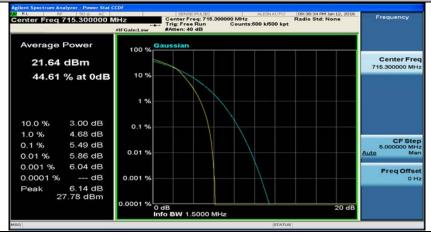
(Channel Bandwidth 1.4 MHz)_HCH_16QAM_3RB#0



(Channel Bandwidth 1.4 MHz)_HCH_16QAM_3RB#2 | SENSE PLASE | ALIGNAUTO | 00:38:13 PM Jan 12. | Center Freq: 715.300000 MHz | Radio Std: None | Trig: Free Run | Counts: 500 k/500 kpt | ### Atten: 40 dB | Radio Std: None nter Freq 715.300000 MHz Average Power 100 % 22.70 dBm 45.89 % at 0dB 10 % 10.0 % 2.83 dB 3.89 dB CF Step 5.000000 MHz 0.1 % 4.31 dB 0.01 % 0.01 % 4.50 dB 0.001 % 4.60 dB Freq Offset % --- dB 4.71 dB 27.41 dBm 0.0001 % 0.001 % Peak 0.0001 9 0 dB Info BW 1.5000 MHz (Channel Bandwidth 1.4 MHz)_HCH_16QAM_3RB#3



(Channel Bandwidth 1.4 MHz)_HCH_16QAM_6RB#0



(Channel Bandwidth 3 MHz)_LCH_QPSK_1RB#0 | ALIONAUTO | 00:30:44 PM Jan 12, | Center Freq; 700.500000 MHz | Radio Std; None Trig: Free Run | Counts:500 k/500 kpt #Atten; 40 dB Center Freq 700.500000 MHz Average Power Center Freq 700.500000 MHz 23.35 dBm 48.45 % at 0dB 10 % 1 % 10.0 % 2.65 dB 0.1 % 3.72 dB 1.0 % CF Step 5.000000 MHz Mar 4.06 dB 0.1 % 0.01 % 4.24 dB 0.01 % 0.001 % 4.35 dB Freq Offse --- dB

0.001 %

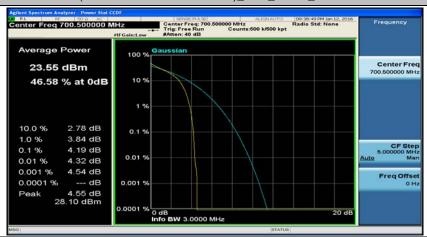
0.0001 %

0.0001 %

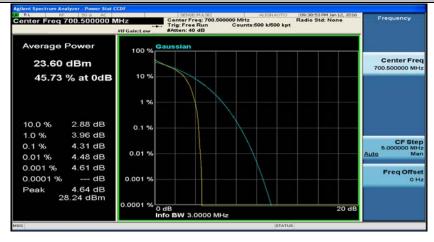
4.39 dB 27.74 dBm

(Channel Bandwidth 3 MHz)_LCH_QPSK_1RB#7

0 dB Info BW 3.0000 MHz

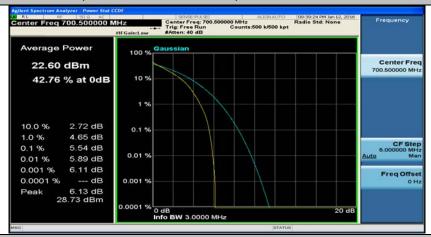


(Channel Bandwidth 3 MHz)_LCH_QPSK_1RB#14



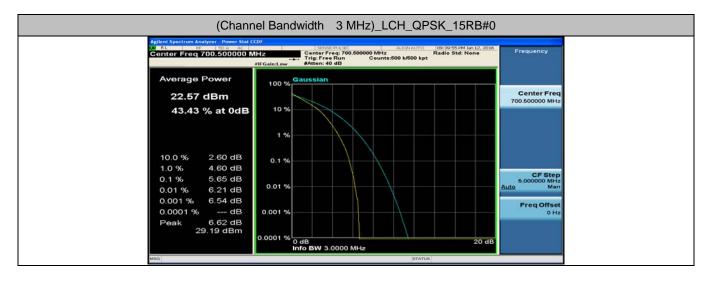
(Channel Bandwidth 3 MHz)_LCH_QPSK_8RB#0 Center Freq: 700.500000 MHz Trig: Free Run Counts:500 k/500 kpt #Atten: 40 dB nter Freq 700.500000 MHz Average Power 100 % 22.49 dBm 43.87 % at 0dB 10 % 10.0 % 2.66 dB 4.51 dB CF Step 5.000000 MHz 0.1 % 5.37 dB 0.01 % 0.01 % 5.74 dB 0.001 % 5.98 dB Freq Offset 0.0001 % --- dB 0.001 % 6.01 dB 28.50 dBm Peak 0.0001 9 0 dB Info BW 3.0000 MHz

(Channel Bandwidth 3 MHz)_LCH_QPSK_8RB#4

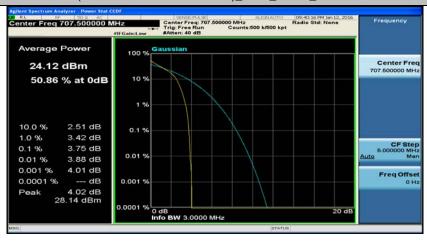


(Channel Bandwidth 3 MHz)_LCH_QPSK_8RB#7



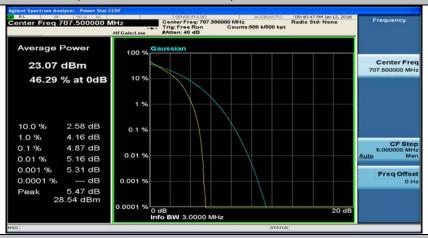




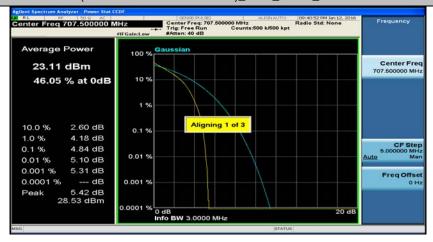


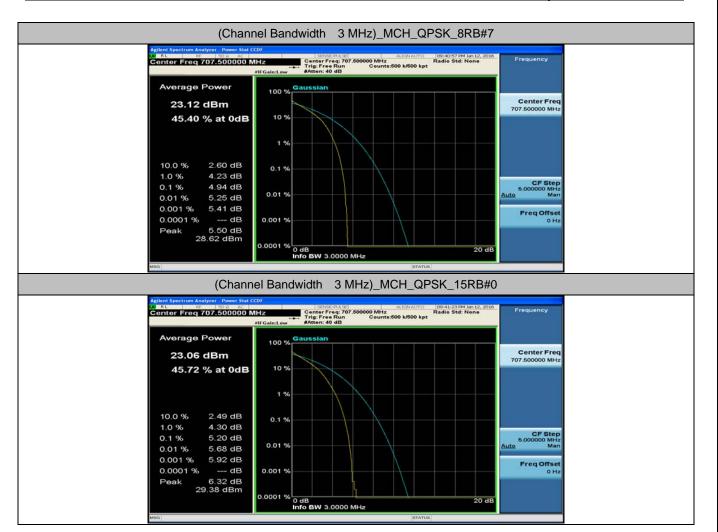
(Channel Bandwidth 3 MHz)_MCH_QPSK_1RB#14 nter Freq 707.500000 MHz Average Power 100 % Center Freq 707.500000 MHz 24.01 dBm 10 % 49.22 % at 0dB 10.0 % 2.67 dB 0.1 % 3.59 dB CF Step 5.000000 MHz 0.1 % 3.90 dB 0.01 % 0.01 % 4.01 dB 0.001 % 4.19 dB Freq Offset % --- dB 4.22 dB 28.23 dBm 0.0001 % 0.001 % Peak 0.0001 9 0 dB Info BW 3.0000 MHz

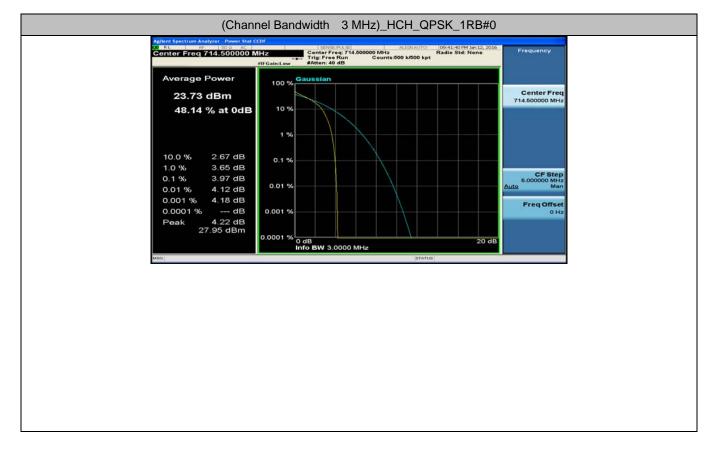
(Channel Bandwidth 3 MHz)_MCH_QPSK_8RB#0



(Channel Bandwidth 3 MHz)_MCH_QPSK_8RB#4



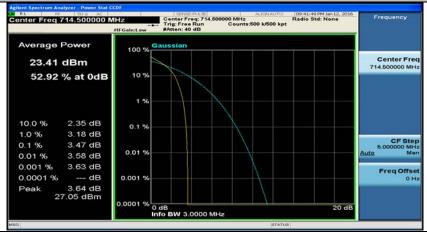




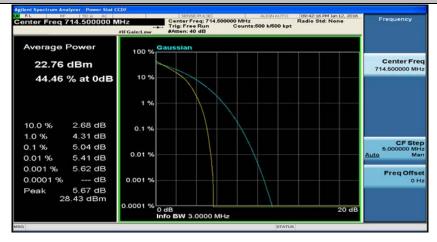
(Channel Bandwidth 3 MHz)_HCH_QPSK_1RB#7 enter Freq 714.500000 MHz Average Power 100 % Center Freq 714.500000 MHz 23.62 dBm 10 % 51.68 % at 0dB 1 % 10.0 % 2.40 dB 1.0 % 3.27 dB CF Step 5.000000 MHz Mar 3.56 dB 0.1 % 0.01 % 3.69 dB 0.001 % 3.76 dB 0.0001 % --- dB 0.001 % 3.80 dB 27.42 dBm Peak 0.0001 %

(Channel Bandwidth 3 MHz)_HCH_QPSK_1RB#14

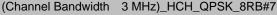
0 dB Info BW 3.0000 MHz

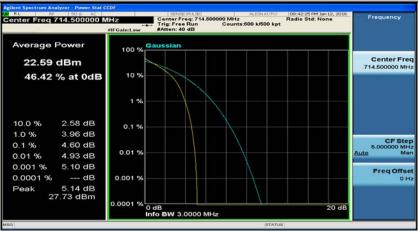


(Channel Bandwidth 3 MHz)_HCH_QPSK_8RB#0

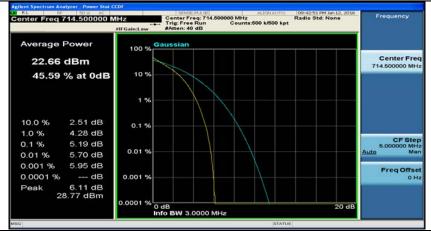


(Channel Bandwidth 3 MHz)_HCH_QPSK_8RB#4 Center Freq: 714.500000 MHz Trig: Free Run Counts:500 k/500 kpt #Atten: 40 dB nter Freq 714.500000 MHz Average Power 100 % Center Freq 714.500000 MHz 22.67 dBm 45.87 % at 0dB 10 % 10.0 % 2.62 dB 4.07 dB CF Step 5.000000 MHz 0.1 % 4.69 dB 0.01 % 0.01 % 4.98 dB 0.001 % 5.23 dB Freq Offset % --- dB 5.27 dB 27.94 dBm 0.0001 % 0.001 % Peak 0.0001 9 0 dB Info BW 3.0000 MHz

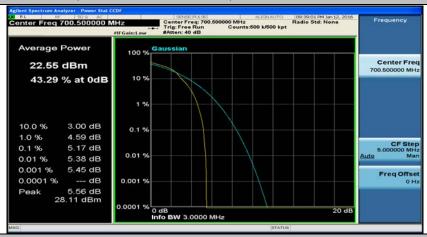




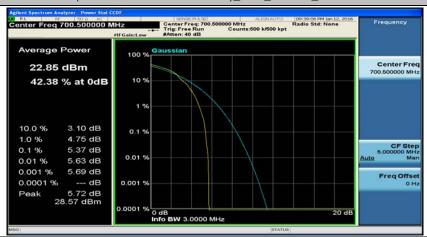
(Channel Bandwidth 3 MHz)_HCH_QPSK_15RB#0



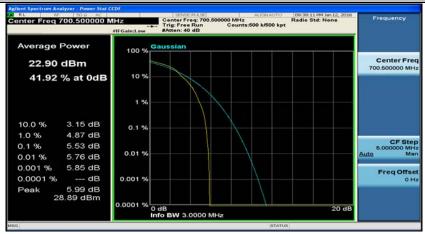
(Channel Bandwidth 3 MHz)_LCH_16QAM_1RB#0



(Channel Bandwidth 3 MHz)_LCH_16QAM_1RB#7



(Channel Bandwidth 3 MHz)_LCH_16QAM_1RB#14

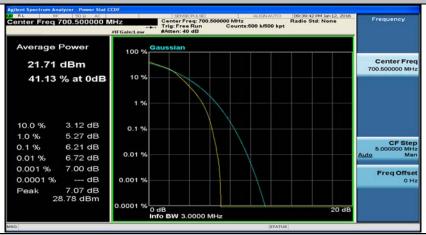


(Channel Bandwidth 3 MHz)_LCH_16QAM_8RB#0 nter Freq 700.500000 MHz Average Power 100 % 21.59 dBm 41.89 % at 0dB 10 % 10.0 % 3.07 dB 0.1 % 5.14 dB CF Step 5.000000 MHz 0.1 % 6.02 dB 0.01 % 0.01 % 6.55 dB 0.001 % 6.77 dB Freq Offset % --- dB 6.88 dB 28.47 dBm 0.0001 % 0.001 % Peak

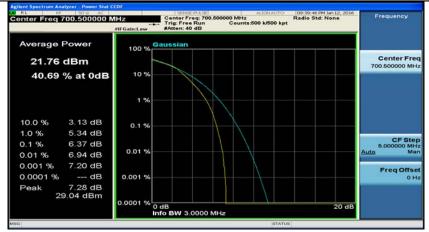
(Channel Bandwidth 3 MHz)_LCH_16QAM_8RB#4

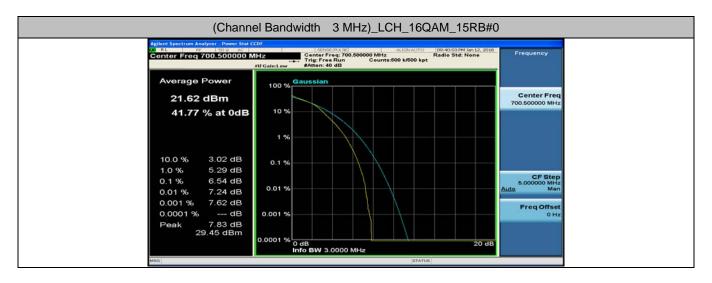
0 dB Info BW 3.0000 MHz

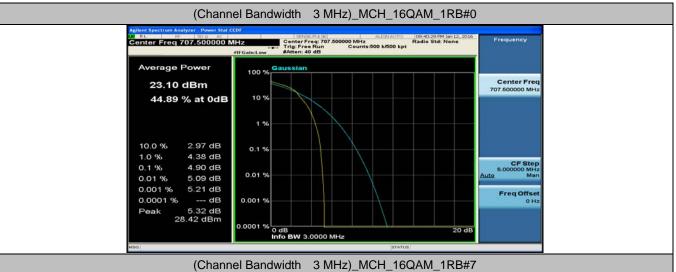
0.0001 9



(Channel Bandwidth 3 MHz)_LCH_16QAM_8RB#7

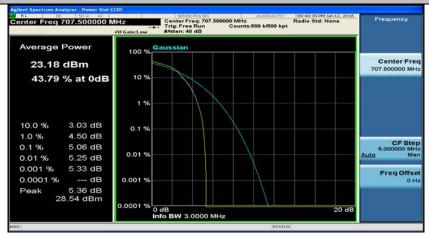




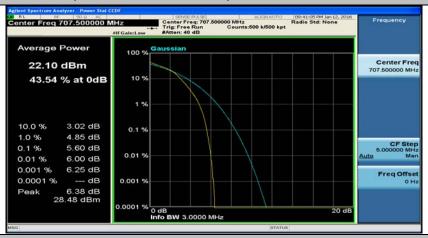




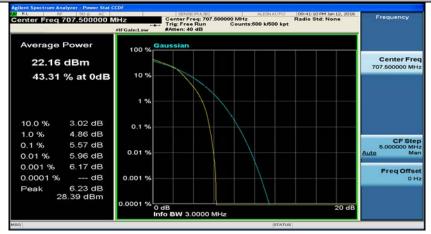
(Channel Bandwidth 3 MHz)_MCH_16QAM_1RB#14

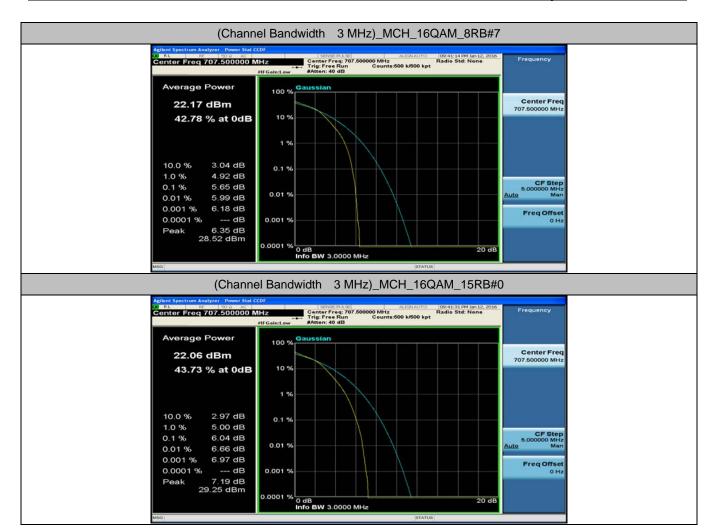


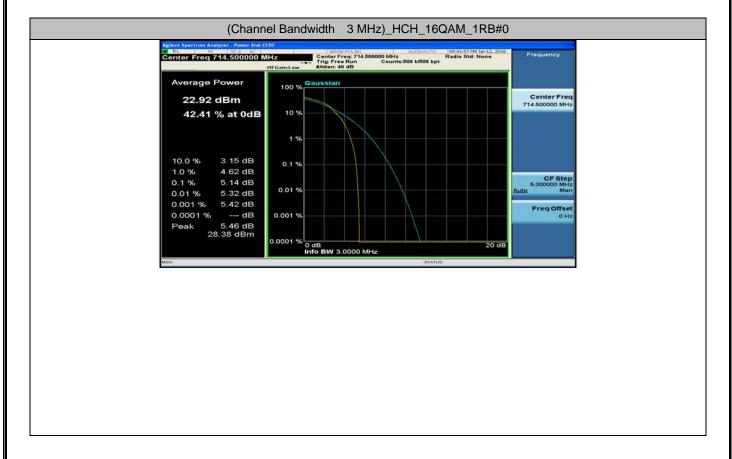
(Channel Bandwidth 3 MHz)_MCH_16QAM_8RB#0



(Channel Bandwidth 3 MHz)_MCH_16QAM_8RB#4



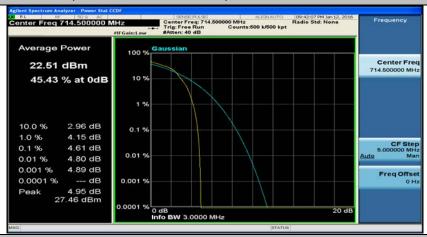




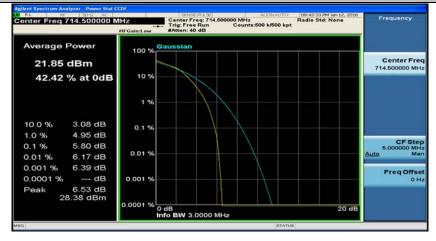
(Channel Bandwidth 3 MHz)_HCH_16QAM_1RB#7



(Channel Bandwidth 3 MHz)_HCH_16QAM_1RB#14

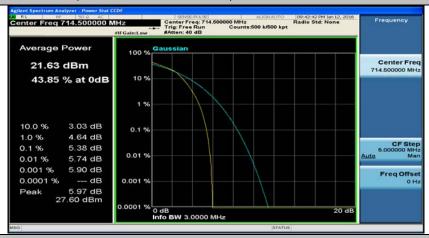


(Channel Bandwidth 3 MHz)_HCH_16QAM_8RB#0



(Channel Bandwidth 3 MHz)_HCH_16QAM_8RB#4 Center Freq: 714.500000 MHz Trig: Free Run Counts:500 k/500 kpt #Atten: 40 dB nter Freq 714.500000 MHz Average Power 100 % Center Freq 714.500000 MHz 21.71 dBm 43.55 % at 0dB 10 % 10.0 % 3.04 dB 0.1 % 4.77 dB CF Step 5.000000 MHz 0.1 % 5.54 dB 0.01 % 0.01 % 5.85 dB 0.001 % 6.01 dB Freq Offset % --- dB 6.12 dB 27.83 dBm 0.0001 % 0.001 % Peak 0.0001 9 0 dB Info BW 3.0000 MHz

(Channel Bandwidth 3 MHz)_HCH_16QAM_8RB#7



(Channel Bandwidth 3 MHz)_HCH_16QAM_15RB#0

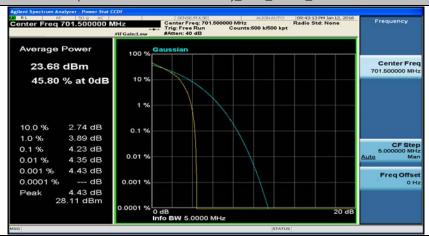


(Channel Bandwidth 5 MHz)_LCH_QPSK_1RB#0 Center Freq: 701.500000 MHz Trig: Free Run Counts:500 k/500 kpt #Atten: 40 dB Center Freq 701.500000 MHz Average Power Center Freq 701.500000 MHz 23.45 dBm 48.33 % at 0dB 10 % 1 % 10.0 % 2.58 dB 0.1 % 3.66 dB 1.0 % CF Step 5.000000 MH 3.97 dB 0.1 % 0.01 % 4.12 dB 0.01 % 0.001 % 4.17 dB Freq Offse --- dB 0.0001 % 0.001 % 4.20 dB 27.65 dBm

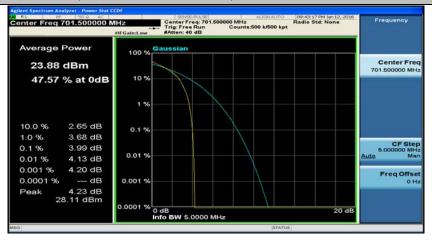
(Channel Bandwidth 5 MHz)_LCH_QPSK_1RB#12

0 dB Info BW 5.0000 MHz

0.0001 %



(Channel Bandwidth 5 MHz)_LCH_QPSK_1RB#24

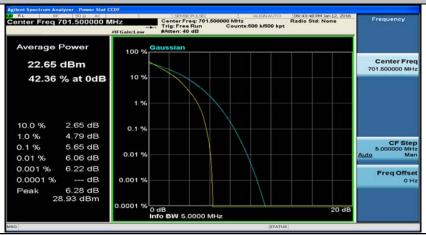


(Channel Bandwidth 5 MHz)_LCH_QPSK_12RB#0 nter Freq 701.500000 MHz Average Power 100 % Center Freq 701.500000 MHz 22.63 dBm 43.50 % at 0dB 10 % 10.0 % 2.60 dB 4.60 dB CF Step 5.000000 MHz 0.1 % 5.43 dB 0.01 % 0.01 % 5.84 dB 0.001 % 6.08 dB Freq Offset 0.0001 % --- dB 0.001 % 6.21 dB 28.84 dBm Peak

(Channel Bandwidth 5 MHz)_LCH_QPSK_12RB#6

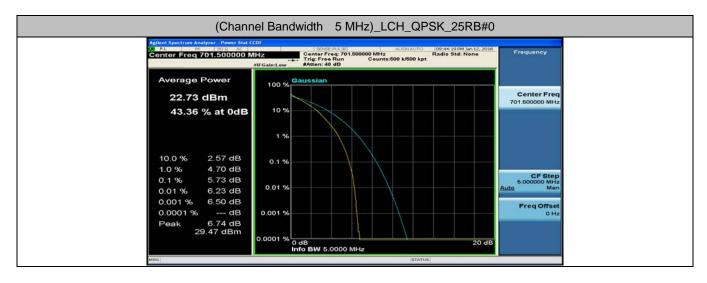
0 dB Info BW 5,0000 MHz

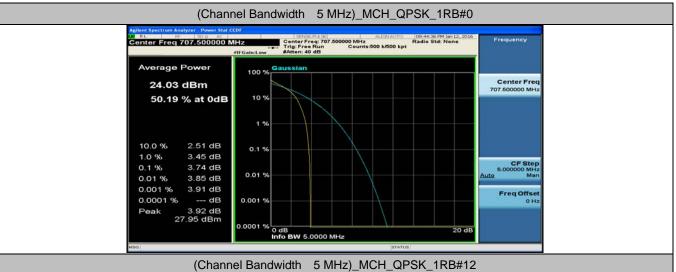
0.0001 9

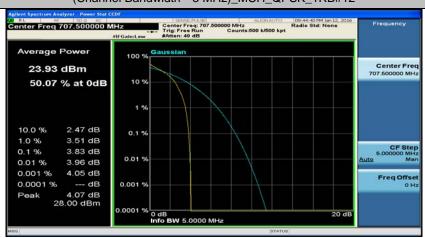


(Channel Bandwidth 5 MHz)_LCH_QPSK_12RB#13



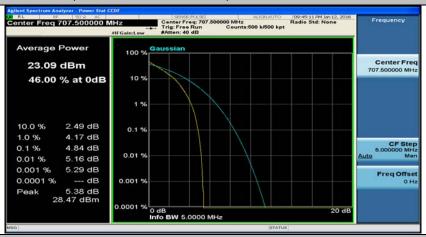






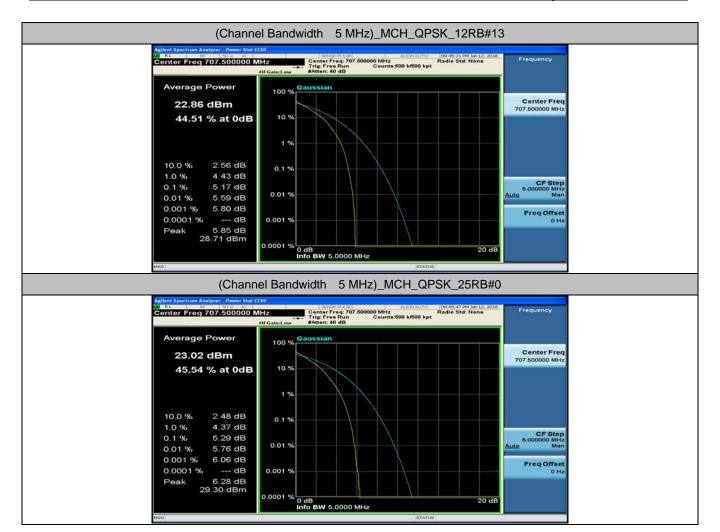
(Channel Bandwidth 5 MHz)_MCH_QPSK_1RB#24 nter Freq 707.500000 MHz Average Power 100 % Center Freq 707.500000 MHz 23.97 dBm 10 % 48.50 % at 0dB 10.0 % 2.64 dB 0.1 % 3.64 dB CF Step 5.000000 MHz 0.1 % 3.95 dB 0.01 % 0.01 % 4.08 dB 0.001 % 4.17 dB Freq Offset % --- dB 4.19 dB 28.16 dBm 0.0001 % 0.001 % Peak 0.0001 9 0 dB Info BW 5,0000 MHz

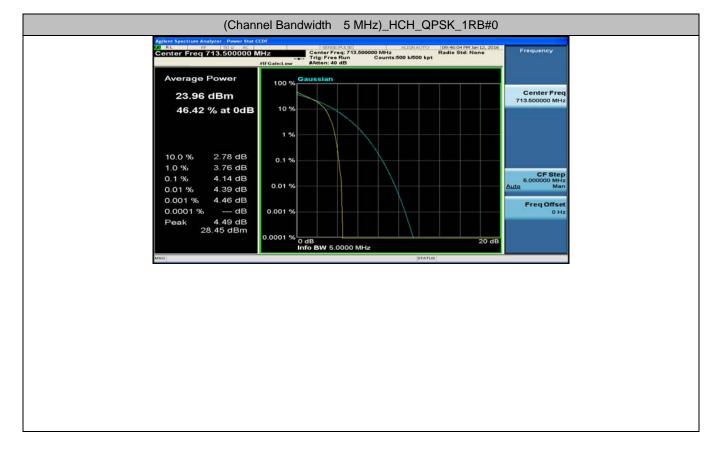
(Channel Bandwidth 5 MHz)_MCH_QPSK_12RB#0



(Channel Bandwidth 5 MHz)_MCH_QPSK_12RB#6







(Channel Bandwidth 5 MHz)_HCH_QPSK_1RB#12 Center Freq: 713.500000 MHz Trig: Free Run Counts:500 k/500 kpt #Atten: 40 dB nter Freq 713.500000 MHz Average Power 100 % Center Freq 713.500000 MHz 23.79 dBm 48.47 % at 0dB 10 % 10.0 % 2.61 dB 3.50 dB CF Step 5.000000 MHz 0.1 % 3.84 dB 0.01 % 0.01 % 4.01 dB 0.001 % 4.10 dB Freq Offset

(Channel Bandwidth 5 MHz)_HCH_QPSK_1RB#24

0 dB Info BW 5.0000 MHz

0.0001 %

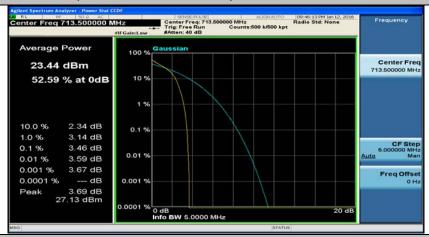
Peak

--- dB

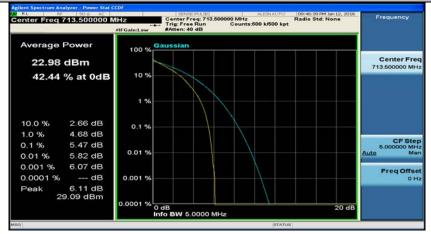
4.11 dB 27.90 dBm

0.001 %

0.0001 9

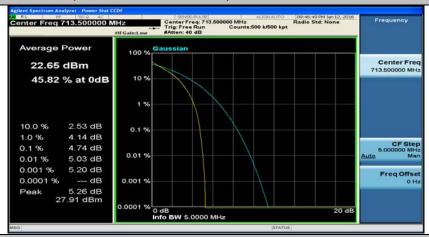


(Channel Bandwidth 5 MHz)_HCH_QPSK_12RB#0

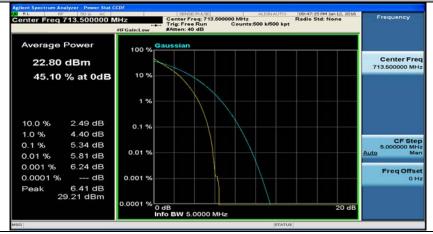


(Channel Bandwidth 5 MHz)_HCH_QPSK_12RB#6 Center Freq: 713.500000 MHz Trig: Free Run Counts:500 k/500 kpt #Atten: 40 dB nter Freq 713.500000 MHz Average Power 100 % Center Freq 713.500000 MHz 22.85 dBm 43.80 % at 0dB 10 % 10.0 % 2.60 dB 4.46 dB CF Step 5.000000 MHz 0.1 % 5.13 dB 0.01 % 0.01 % 5.38 dB 0.001 % 5.57 dB Freq Offset % --- dB 5.65 dB 28.50 dBm 0.0001 % 0.001 % Peak 0.0001 9 0 dB Info BW 5,0000 MHz

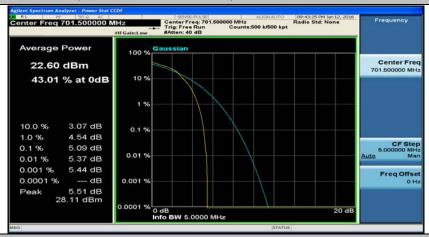
(Channel Bandwidth 5 MHz)_HCH_QPSK_12RB#13



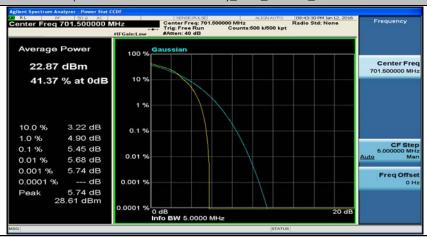
(Channel Bandwidth 5 MHz)_HCH_QPSK_25RB#0



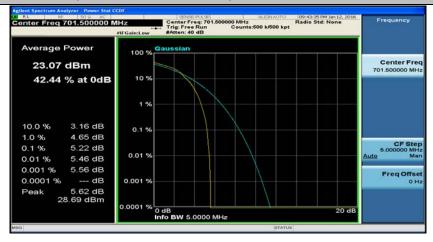
(Channel Bandwidth 5 MHz)_LCH_16QAM_1RB#0



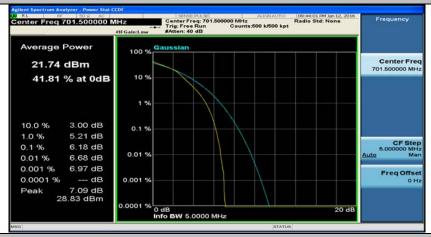
(Channel Bandwidth 5 MHz)_LCH_16QAM_1RB#12



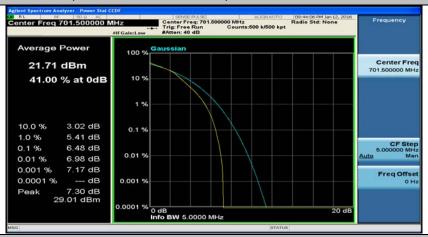
(Channel Bandwidth 5 MHz)_LCH_16QAM_1RB#24



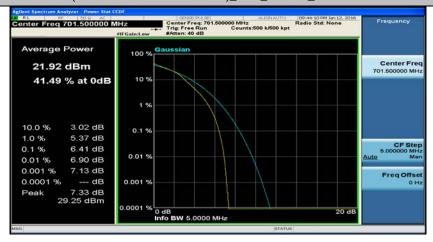
(Channel Bandwidth 5 MHz)_LCH_16QAM_12RB#0



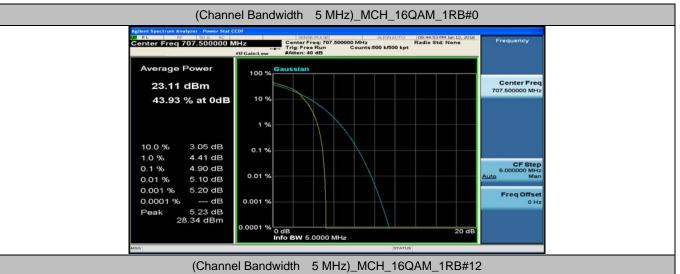
(Channel Bandwidth 5 MHz)_LCH_16QAM_12RB#6

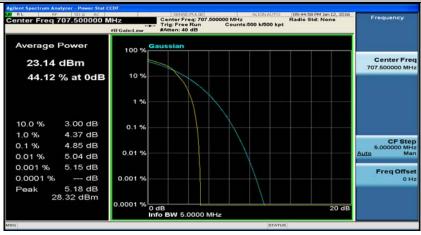


(Channel Bandwidth 5 MHz)_LCH_16QAM_12RB#13

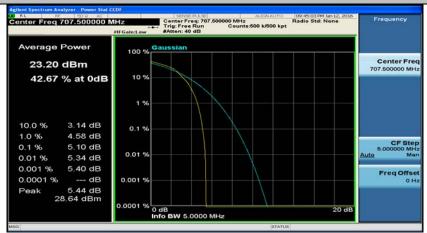


(Channel Bandwidth 5 MHz)_LCH_16QAM_25RB#0 Center Freq: 701.500000 MHz Trig: Free Run Counts:500 k/500 kpt #Atten: 40 dB nter Freq 701.500000 MHz Average Power 100 % Center Freq 701.500000 MHz 21.81 dBm 10 % 42.02 % at 0dB 10.0 % 2.98 dB 5.32 dB CF Step 5.000000 MHz 0.1 % 6.49 dB 0.01 % 0.01 % 7.13 dB 0.001 % 7.36 dB Freq Offset 0.0001 % --- dB 0.001 % 7.44 dB 29.25 dBm Peak 0.0001 % 0 dB Info BW 5.0000 MHz

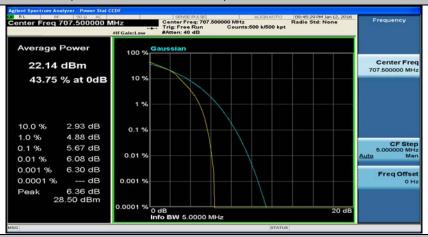




(Channel Bandwidth 5 MHz)_MCH_16QAM_1RB#24



(Channel Bandwidth 5 MHz)_MCH_16QAM_12RB#0



(Channel Bandwidth 5 MHz)_MCH_16QAM_12RB#6

