Appendix C: Test Data For E-UTRA Band 7

C.1: RF Output Power

Channel Bandwidth 5 MHz						
Modulation	Channel	RB Configuration		Average Power [dBm]	E.i.r.p [dBm]	Verdict
		Size	Offset			
QPSK	LCH	1	0	22.30		PASS
		1	12	22.54		PASS
		1	24	22.42		PASS
		12	0	21.58		PASS
		12	6	21.52		PASS
		12	13	21.58		PASS
		25	0	21.56		PASS
	MCH	1	0	22.92		PASS
		1	12	22.94		PASS
		1	24	22.99		PASS
		12	0	21.92		PASS
		12	6	21.94		PASS
		12	13	21.90		PASS
		25	0	21.95		PASS
	HCH	1	0	22.64		PASS
		1	12	22.83		PASS
		1	24	22.87		PASS
		12	0	21.86		PASS
		12	6	21.94		PASS
		12	13	22.03		PASS
		25	0	21.91		PASS
16QAM	LCH	1	0	21.67		PASS
		1	12	21.87		PASS
		1	24	21.76		PASS
		12	0	20.71		PASS
		12	6	20.71		PASS
		12	13	20.74		PASS
		25	0	20.67		PASS
	MCH	1	0	21.77		PASS
		1	12	21.90		PASS
		1	24	21.82		PASS
		12	0	20.90		PASS
		12	6	20.94		PASS
		12	13	20.99		PASS
		25	0	20.92		PASS
	HCH	1	0	21.72		PASS
		1	12	21.92		PASS

		1	24	21.93		PASS
		12	0	20.93		PASS
		12	6	20.97		PASS
		12	13	21.04		PASS
		25	0	20.98		PASS

Channel Bandwidth 10 MHz						
Modulation	Channel	RB Configuration		Average Power [dBm]	E.i.r.p [dBm]	Verdict
		Size	Offset			
QPSK	LCH	1	0	22.45		PASS
		1	24	22.66		PASS
		1	49	22.61		PASS
		25	0	21.67		PASS
		25	12	21.76		PASS
		25	25	21.70		PASS
		50	0	21.74		PASS
	MCH	1	0	22.85		PASS
		1	24	22.78		PASS
		1	49	22.48		PASS
		25	0	21.90		PASS
		25	12	22.00		PASS
		25	25	22.01		PASS
		50	0	22.04		PASS
	HCH	1	0	22.42		PASS
		1	24	22.73		PASS
		1	49	22.89		PASS
		25	0	21.65		PASS
		25	12	21.80		PASS
		25	25	21.94		PASS
		50	0	21.77		PASS
16QAM	LCH	1	0	21.76		PASS
		1	24	21.87		PASS
		1	49	21.85		PASS
		25	0	20.70		PASS
		25	12	20.78		PASS
		25	25	20.69		PASS
		50	0	20.76		PASS
	MCH	1	0	21.79		PASS
		1	24	21.80		PASS
		1	49	21.73		PASS
		25	0	20.92		PASS
		25	12	20.98		PASS
		25	25	20.97		PASS
		50	0	20.98		PASS

	HCH	1	0	21.77		PASS
		1	24	21.81		PASS
		1	49	21.80		PASS
		25	0	20.64		PASS
		25	12	20.80		PASS
		25	25	20.91		PASS
		50	0	20.86		PASS

Channel Bandwidth 15 MHz						
Modulation	Channel	RB Configuration		Average Power [dBm]	E.i.r.p [dBm]	Verdict
		Size	Offset			
QPSK	LCH	1	0	22.53		PASS
		1	37	22.71		PASS
		1	74	22.59		PASS
		37	0	21.88		PASS
		37	18	21.87		PASS
		37	38	21.87		PASS
		75	0	21.91		PASS
	MCH	1	0	22.83		PASS
		1	37	22.59		PASS
		1	74	22.57		PASS
		37	0	22.11		PASS
		37	18	22.09		PASS
		37	38	22.00		PASS
		75	0	22.18		PASS
	HCH	1	0	22.32		PASS
		1	37	22.63		PASS
		1	74	22.75		PASS
		37	0	21.56		PASS
		37	18	21.74		PASS
		37	38	22.02		PASS
		75	0	21.80		PASS
16QAM	LCH	1	0	21.87		PASS
		1	37	21.94		PASS
		1	74	21.82		PASS
		37	0	20.84		PASS
		37	18	20.83		PASS
		37	38	20.74		PASS
		75	0	20.77		PASS
	MCH	1	0	21.78		PASS
		1	37	21.89		PASS
		1	74	21.94		PASS
		37	0	21.00		PASS
		37	18	21.08		PASS

		37	38	21.03		PASS
		75	0	21.02		PASS
	HCH	1	0	21.53		PASS
		1	37	21.78		PASS
		1	74	21.97		PASS
		37	0	20.55		PASS
		37	18	20.68		PASS
		37	38	20.91		PASS
		75	0	20.80		PASS

Channel Bandwidth 20 MHz						
Modulation	Channel	RB Configuration		Average Power [dBm]	E.i.r.p [dBm]	Verdict
		Size	Offset			
QPSK	LCH	1	0	22.72		PASS
		1	49	22.89		PASS
		1	99	22.68		PASS
		50	0	21.86		PASS
		50	25	21.81		PASS
		50	50	21.67		PASS
		100	0	21.78		PASS
	MCH	1	0	22.96		PASS
		1	49	22.68		PASS
		1	99	22.54		PASS
		50	0	21.95		PASS
		50	25	21.91		PASS
		50	50	21.90		PASS
		100	0	21.87		PASS
	HCH	1	0	22.46		PASS
		1	49	22.52		PASS
		1	99	22.98		PASS
		50	0	21.51		PASS
		50	25	21.60		PASS
		50	50	21.83		PASS
		100	0	21.63		PASS
16QAM	LCH	1	0	21.90		PASS
		1	49	21.92		PASS
		1	99	21.82		PASS
		50	0	20.83		PASS
		50	25	20.75		PASS
		50	50	20.66		PASS
		100	0	20.69		PASS
	MCH	1	0	21.91		PASS
		1	49	21.93		PASS
		1	99	21.88		PASS

		50	0	20.86		PASS
		50	25	20.99		PASS
		50	50	20.91		PASS
		100	0	20.92		PASS
	HCH	1	0	21.83		PASS
		1	49	21.81		PASS
		1	99	21.88		PASS
		50	0	20.52		PASS
		50	25	20.63		PASS
		50	50	20.80		PASS
		100	0	20.65		PASS

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C.2: Peak-to-Average Ratio

Channel Bandwidth 5 MHz						
Modulation	Channel	RB Configuration		Peak-to-Average Ratio	Limit	Verdict
		Size	Offset	[dB]	[dB]	
QPSK	LCH	1	0	3.22	<13	PASS
		1	12	3.39	<13	PASS
		1	24	3.34	<13	PASS
		12	0	4.84	<13	PASS
		12	6	4.85	<13	PASS
		12	13	4.89	<13	PASS
		25	0	5.21	<13	PASS
	MCH	1	0	2.6	<13	PASS
		1	12	2.94	<13	PASS
		1	24	2.79	<13	PASS
		12	0	3.97	<13	PASS
		12	6	4.01	<13	PASS
		12	13	4.18	<13	PASS
		25	0	4.53	<13	PASS
	HCH	1	0	2.92	<13	PASS
		1	12	2.85	<13	PASS
		1	24	2.78	<13	PASS
		12	0	4.45	<13	PASS
		12	6	4.3	<13	PASS
		12	13	4.34	<13	PASS
		25	0	4.8	<13	PASS
16QAM	LCH	1	0	4.41	<13	PASS
		1	12	4.45	<13	PASS
		1	24	4.57	<13	PASS
		12	0	5.65	<13	PASS
		12	6	5.59	<13	PASS
		12	13	5.63	<13	PASS
		25	0	5.95	<13	PASS
	MCH	1	0	3.59	<13	PASS
		1	12	3.83	<13	PASS
		1	24	3.8	<13	PASS
		12	0	4.87	<13	PASS
		12	6	4.84	<13	PASS
		12	13	4.96	<13	PASS
		25	0	5.3	<13	PASS
	HCH	1	0	4.13	<13	PASS
		1	12	4	<13	PASS
		1	24	3.95	<13	PASS

		12	0	5.26	<13	PASS
		12	6	5.14	<13	PASS
		12	13	5.16	<13	PASS
		25	0	5.54	<13	PASS

Channel Bandwidth 10 MHz						
Modulation	Channel	RB Configuration		Peak-to-Average Ratio	Limit	Verdict
		Size	Offset	[dB]	[dB]	
QPSK	LCH	1	0	3.62	<13	PASS
		1	24	3.39	<13	PASS
		1	49	3.42	<13	PASS
		25	0	5.04	<13	PASS
		25	12	4.98	<13	PASS
		25	25	5.02	<13	PASS
		50	0	5.24	<13	PASS
	MCH	1	0	2.8	<13	PASS
		1	24	2.89	<13	PASS
		1	49	3.18	<13	PASS
		25	0	4.24	<13	PASS
		25	12	4.13	<13	PASS
		25	25	4.43	<13	PASS
		50	0	4.74	<13	PASS
	HCH	1	0	3.13	<13	PASS
		1	24	2.96	<13	PASS
		1	49	3.05	<13	PASS
		25	0	4.8	<13	PASS
		25	12	4.61	<13	PASS
		25	25	4.6	<13	PASS
		50	0	5.03	<13	PASS
16QAM	LCH	1	0	4.57	<13	PASS
		1	24	4.44	<13	PASS
		1	49	4.45	<13	PASS
		25	0	5.82	<13	PASS
		25	12	5.78	<13	PASS
		25	25	5.83	<13	PASS
		50	0	5.96	<13	PASS
	MCH	1	0	3.71	<13	PASS
		1	24	3.85	<13	PASS
		1	49	4.07	<13	PASS
		25	0	5.05	<13	PASS
		25	12	4.91	<13	PASS
		25	25	5.17	<13	PASS
		50	0	5.46	<13	PASS
	HCH	1	0	4.39	<13	PASS

		1	24	4.19	<13	PASS
		1	49	4.15	<13	PASS
		25	0	5.62	<13	PASS
		25	12	5.43	<13	PASS
		25	25	5.41	<13	PASS
		50	0	5.77	<13	PASS

Channel Bandwidth 15 MHz						
Modulation	Channel	RB Configuration		Peak-to-Average Ratio	Limit	Verdict
		Size	Offset	[dB]	[dB]	
QPSK	LCH	1	0	8.39	<13	PASS
		1	37	3.34	<13	PASS
		1	74	9.99	<13	PASS
		37	0	4.56	<13	PASS
		37	18	5.11	<13	PASS
		37	38	4.71	<13	PASS
		75	0	4.91	<13	PASS
	MCH	1	0	8.73	<13	PASS
		1	37	2.72	<13	PASS
		1	74	10.39	<13	PASS
		37	0	4.36	<13	PASS
		37	18	4.37	<13	PASS
		37	38	4.59	<13	PASS
		75	0	4.96	<13	PASS
	HCH	1	0	8.27	<13	PASS
		1	37	3.09	<13	PASS
		1	74	10.14	<13	PASS
		37	0	4.59	<13	PASS
		37	18	4.96	<13	PASS
		37	38	4.66	<13	PASS
		75	0	4.94	<13	PASS
16QAM	LCH	1	0	8.42	<13	PASS
		1	37	4.57	<13	PASS
		1	74	10.65	<13	PASS
		37	0	5.75	<13	PASS
		37	18	5.89	<13	PASS
		37	38	5.89	<13	PASS
		75	0	6.15	<13	PASS
	MCH	1	0	8.4	<13	PASS
		1	37	3.83	<13	PASS
		1	74	10.76	<13	PASS
		37	0	5.43	<13	PASS
		37	18	5.21	<13	PASS
		37	38	5.65	<13	PASS

		75	0	5.96	<13	PASS
	HCH	1	0	8.16	<13	PASS
		1	37	4.38	<13	PASS
		1	74	11.03	<13	PASS
		37	0	5.83	<13	PASS
		37	18	5.77	<13	PASS
		37	38	5.84	<13	PASS
		75	0	6.14	<13	PASS

Channel Bandwidth 20 MHz						
Modulation	Channel	RB Configuration		Peak-to-Average Ratio	Limit	Verdict
		Size	Offset	[dB]	[dB]	
QPSK	LCH	1	0	7.41	<13	PASS
		1	49	3.4	<13	PASS
		1	99	7.11	<13	PASS
		50	0	5.42	<13	PASS
		50	25	5.28	<13	PASS
		50	50	5.79	<13	PASS
		100	0	5.69	<13	PASS
	MCH	1	0	7.96	<13	PASS
		1	49	2.78	<13	PASS
		1	99	7.85	<13	PASS
		50	0	5.3	<13	PASS
		50	25	4.8	<13	PASS
		50	50	5.61	<13	PASS
		100	0	5.72	<13	PASS
	HCH	1	0	7.77	<13	PASS
		1	49	3.38	<13	PASS
		1	99	7.92	<13	PASS
		50	0	5.5	<13	PASS
		50	25	5.23	<13	PASS
		50	50	5.88	<13	PASS
		100	0	5.77	<13	PASS
16QAM	LCH	1	0	7.8	<13	PASS
		1	49	4.43	<13	PASS
		1	99	6.35	<13	PASS
		50	0	6.43	<13	PASS
		50	25	6.02	<13	PASS
		50	50	6.59	<13	PASS
		100	0	6.71	<13	PASS
	MCH	1	0	7	<13	PASS
		1	49	3.7	<13	PASS
		1	99	7.89	<13	PASS
		50	0	6.29	<13	PASS

		50	25	5.54	<13	PASS
		50	50	6.39	<13	PASS
		100	0	6.58	<13	PASS
	HCH	1	0	8.1	<13	PASS
		1	49	4.38	<13	PASS
		1	99	7.97	<13	PASS
		50	0	6.54	<13	PASS
		50	25	6.01	<13	PASS
		50	50	6.67	<13	PASS
		100	0	6.63	<13	PASS

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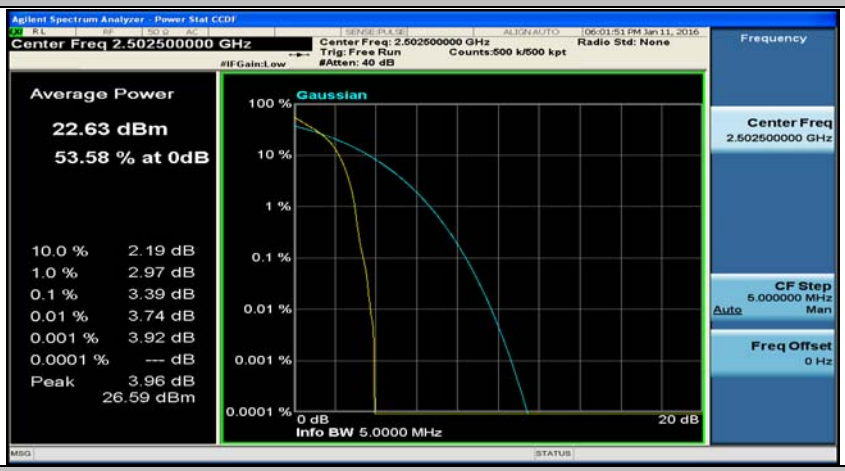
Test Graphs

(Channel Bandwidth 5 MHz)_LCH_QPSK_1RB#0

(Channel Bandwidth 5 MHz)_LCH_QPSK_1RB#12



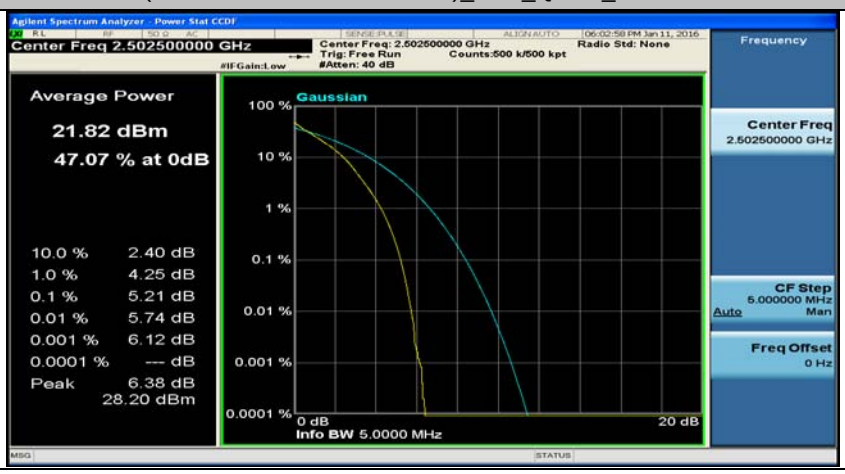
(Channel Bandwidth 5 MHz)_LCH_QPSK_1RB#24

(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

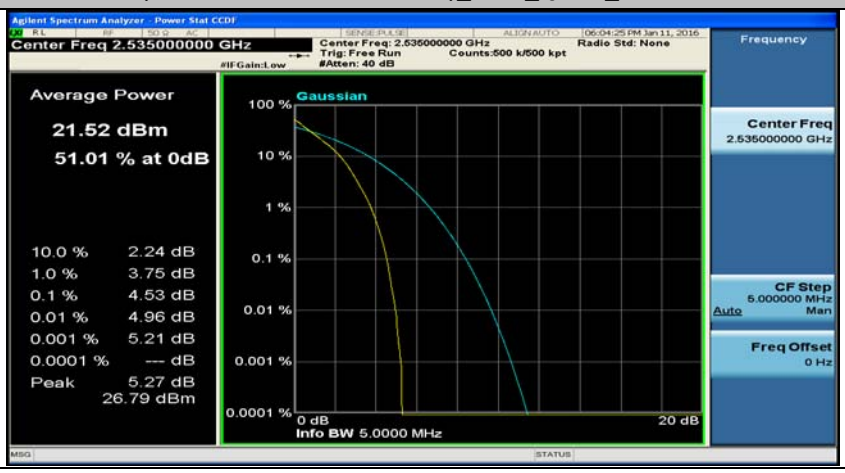
(Channel Bandwidth 5 MHz)_MCH_QPSK_1RB#24

(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

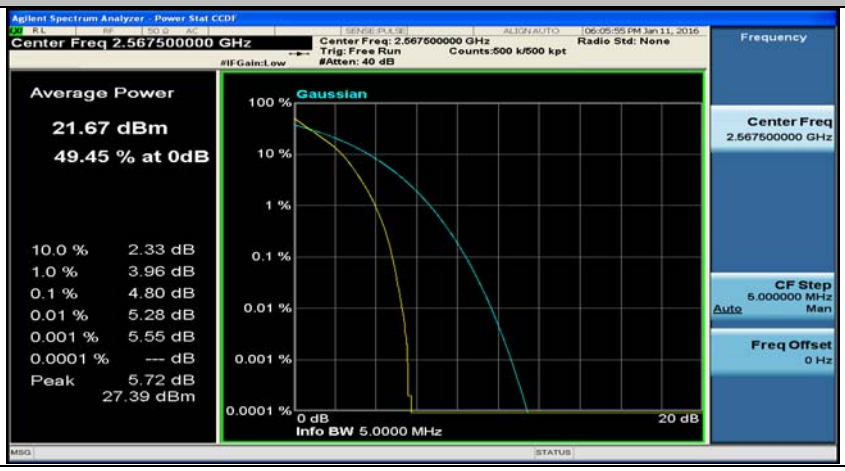
(Channel Bandwidth 5 MHz)_HCH_QPSK_1RB#24

(Channel Bandwidth 5 MHz)_HCH_QPSK_12RB#0

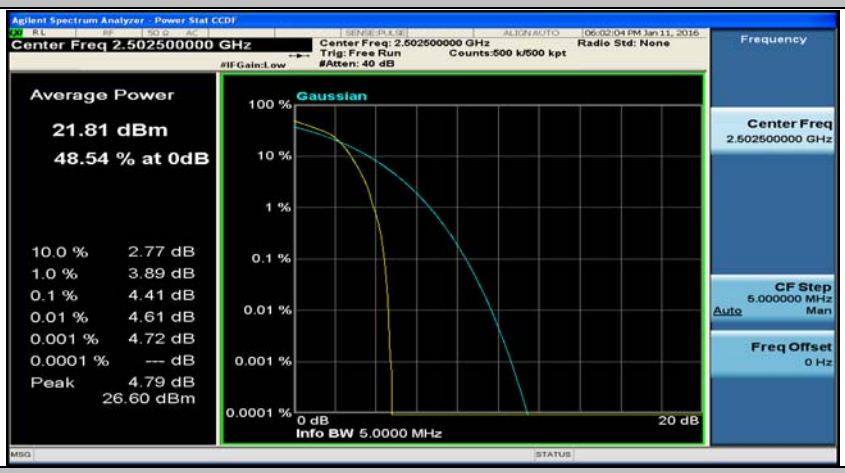
(Channel Bandwidth 5 MHz)_HCH_QPSK_12RB#6

(Channel Bandwidth 5 MHz)_HCH_QPSK_12RB#13

(Channel Bandwidth 5 MHz)_HCH_QPSK_25RB#0



(Channel Bandwidth 5 MHz)_LCH_16QAM_1RB#0



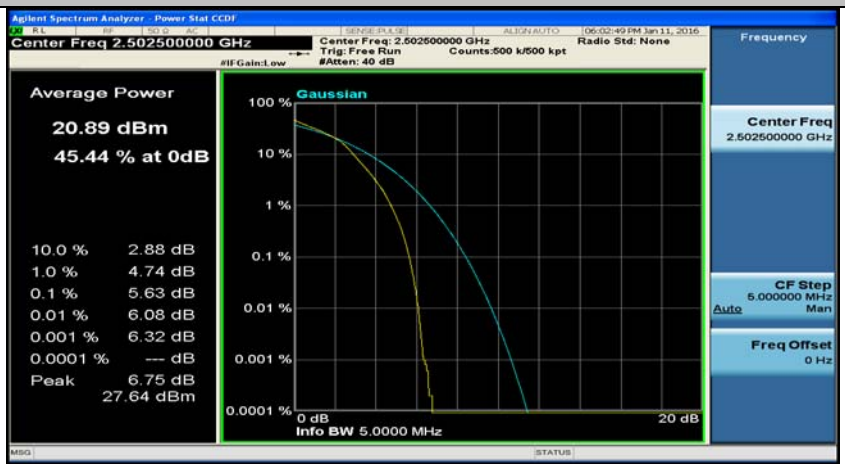
(Channel Bandwidth 5 MHz)_LCH_16QAM_1RB#12

(Channel Bandwidth 5 MHz)_LCH_16QAM_1RB#24

(Channel Bandwidth 5 MHz)_LCH_16QAM_12RB#0

(Channel Bandwidth 5 MHz)_LCH_16QAM_12RB#6

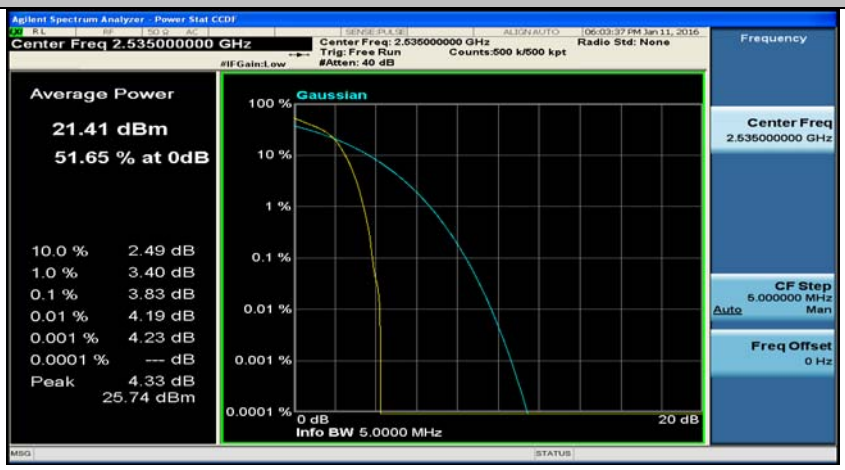
(Channel Bandwidth 5 MHz)_LCH_16QAM_12RB#13



(Channel Bandwidth 5 MHz)_LCH_16QAM_25RB#0

(Channel Bandwidth 5 MHz)_MCH_16QAM_1RB#0

(Channel Bandwidth 5 MHz)_MCH_16QAM_1RB#12



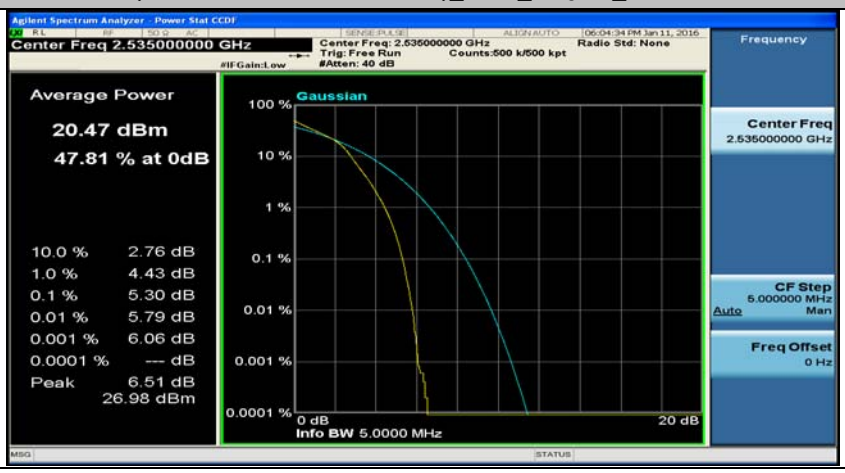
(Channel Bandwidth 5 MHz)_MCH_16QAM_1RB#24

(Channel Bandwidth 5 MHz)_MCH_16QAM_12RB#0

(Channel Bandwidth 5 MHz)_MCH_16QAM_12RB#6

(Channel Bandwidth 5 MHz)_MCH_16QAM_12RB#13

(Channel Bandwidth 5 MHz)_MCH_16QAM_25RB#0



(Channel Bandwidth 5 MHz)_HCH_16QAM_1RB#0

(Channel Bandwidth 5 MHz)_HCH_16QAM_1RB#12

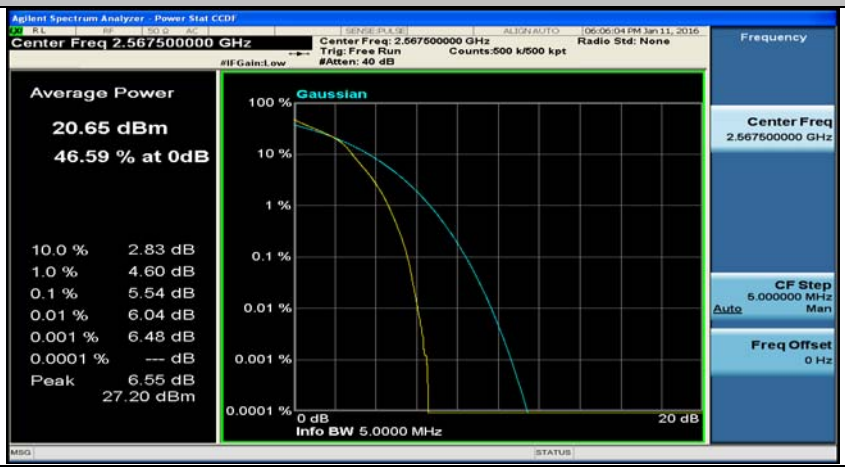
(Channel Bandwidth 5 MHz)_HCH_16QAM_1RB#24

(Channel Bandwidth 5 MHz)_HCH_16QAM_12RB#0

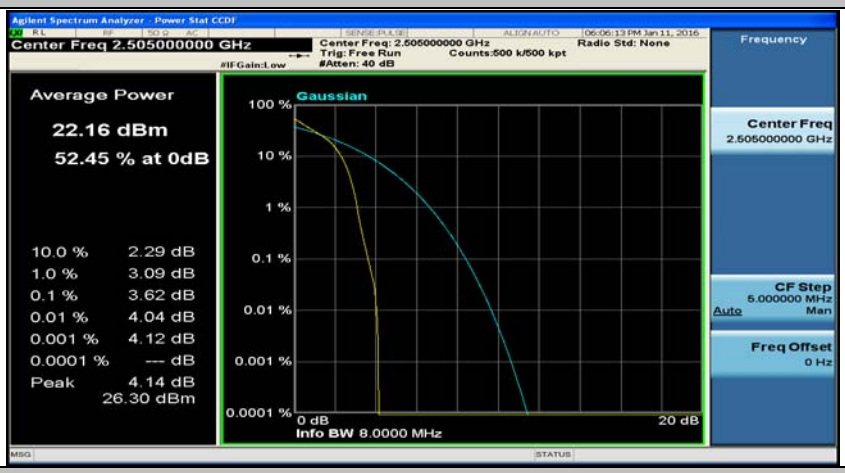
(Channel Bandwidth 5 MHz)_HCH_16QAM_12RB#6

(Channel Bandwidth 5 MHz)_HCH_16QAM_12RB#13

(Channel Bandwidth 5 MHz)_HCH_16QAM_25RB#0



Channel Bandwidth 10 MHz_LCH_QPSK_1RB#0



Channel Bandwidth 10 MHz_LCH_QPSK_1RB#24

Channel Bandwidth 10 MHz_LCH_QPSK_1RB#49

Channel Bandwidth 10 MHz_LCH_QPSK_25RB#0

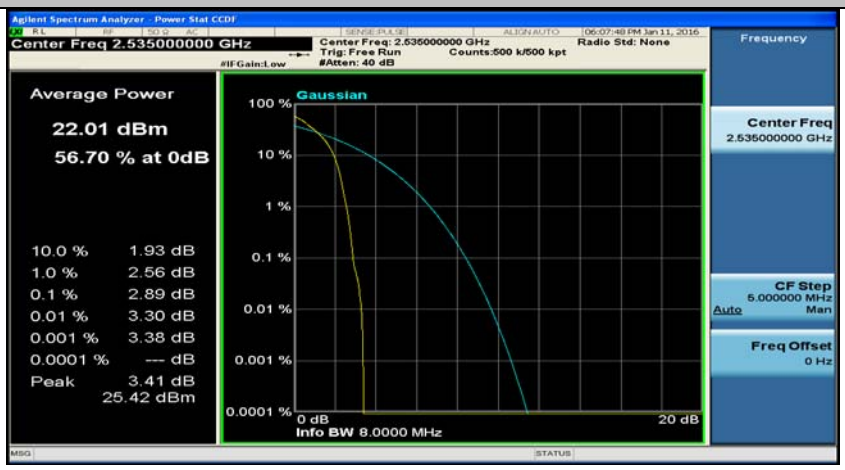
Channel Bandwidth 10 MHz_LCH_QPSK_25RB#12

Channel Bandwidth 10 MHz_LCH_QPSK_25RB#25

Channel Bandwidth 10 MHz_LCH_QPSK_50RB#0

Channel Bandwidth 10 MHz_MCH_QPSK_1RB#0

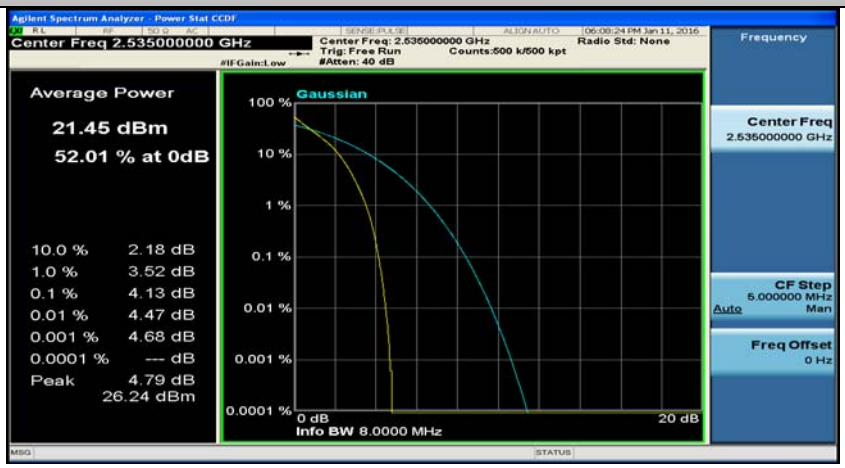
Channel Bandwidth 10 MHz_MCH_QPSK_1RB#24



Channel Bandwidth 10 MHz_MCH_QPSK_1RB#49

Channel Bandwidth 10 MHz_MCH_QPSK_25RB#0

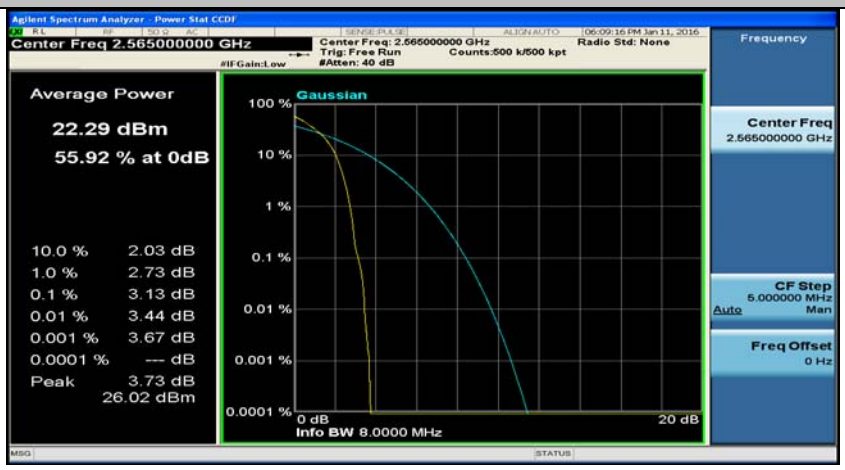
Channel Bandwidth 10 MHz_MCH_QPSK_25RB#12



Channel Bandwidth 10 MHz_MCH_QPSK_25RB#25

Channel Bandwidth 10 MHz_MCH_QPSK_50RB#0

Channel Bandwidth 10 MHz_HCH_QPSK_1RB#0



Channel Bandwidth 10 MHz_HCH_QPSK_1RB#24

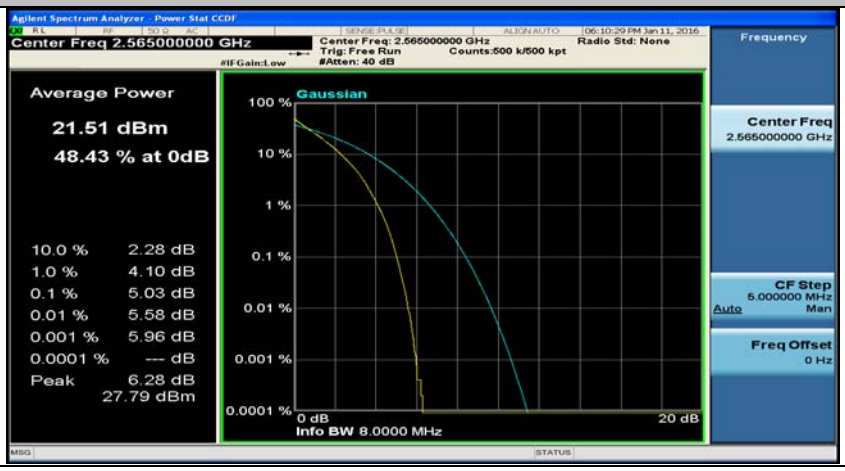
Channel Bandwidth 10 MHz_HCH_QPSK_1RB#49

Channel Bandwidth 10 MHz_HCH_QPSK_25RB#0

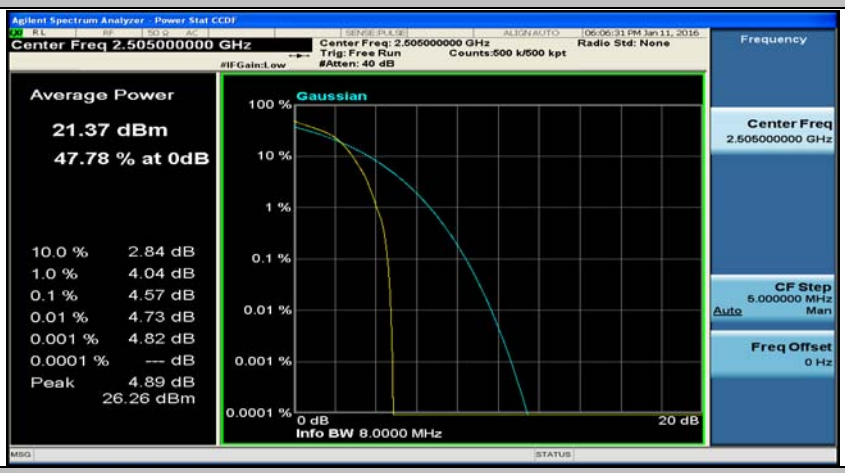
Channel Bandwidth 10 MHz_HCH_QPSK_25RB#12

Channel Bandwidth 10 MHz_HCH_QPSK_25RB#25

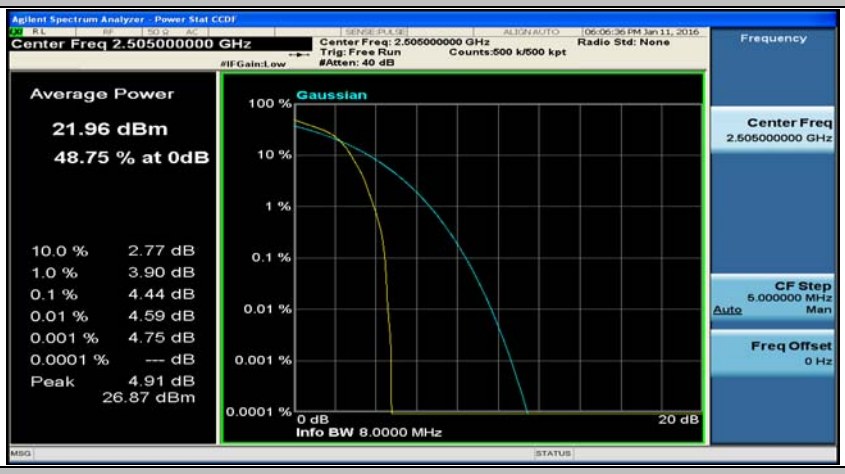
Channel Bandwidth 10 MHz_HCH_QPSK_50RB#0



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_LCH_16QAM_50RB#0

Channel Bandwidth 10 MHz_MCH_16QAM_1RB#0

Channel Bandwidth 10 MHz_MCH_16QAM_1RB#24

Channel Bandwidth 10 MHz_MCH_16QAM_1RB#49

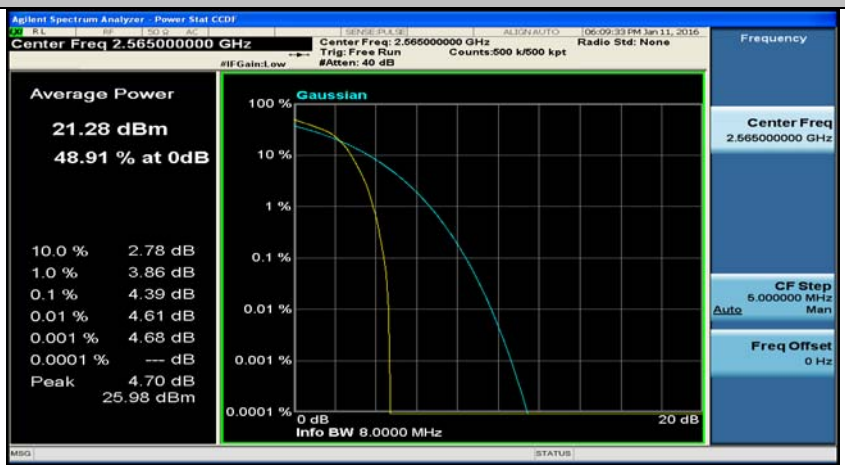
Channel Bandwidth 10 MHz_MCH_16QAM_25RB#0

Channel Bandwidth 10 MHz_MCH_16QAM_25RB#12

Channel Bandwidth 10 MHz_MCH_16QAM_25RB#25

Channel Bandwidth 10 MHz_MCH_16QAM_50RB#0

Channel Bandwidth 10 MHz_HCH_16QAM_1RB#0



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

Channel Bandwidth 10 MHz_HCH_16QAM_25RB#25

Channel Bandwidth 10 MHz_HCH_16QAM_50RB#0

(Channel Bandwidth 15 MHz)_LCH_QPSK_1RB#0

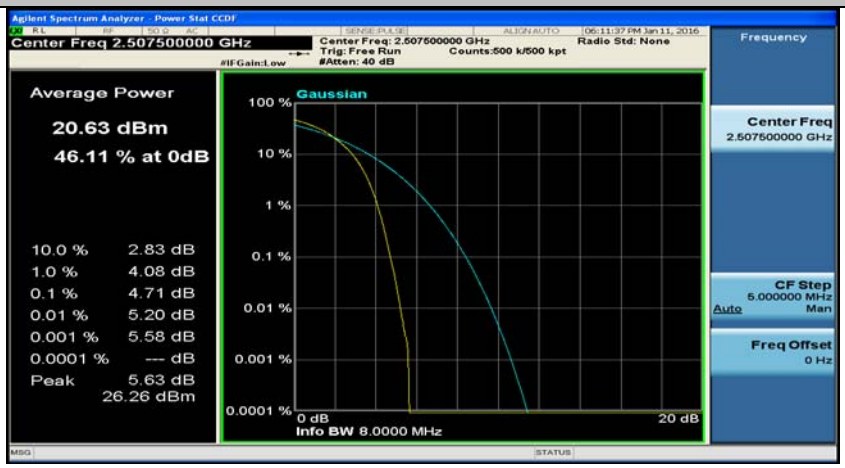
(Channel Bandwidth 15 MHz)_LCH_QPSK_1RB#37

(Channel Bandwidth 15 MHz)_LCH_QPSK_1RB#74

(Channel Bandwidth 15 MHz)_LCH_QPSK_37RB#0

(Channel Bandwidth 15 MHz)_LCH_QPSK_37RB#18

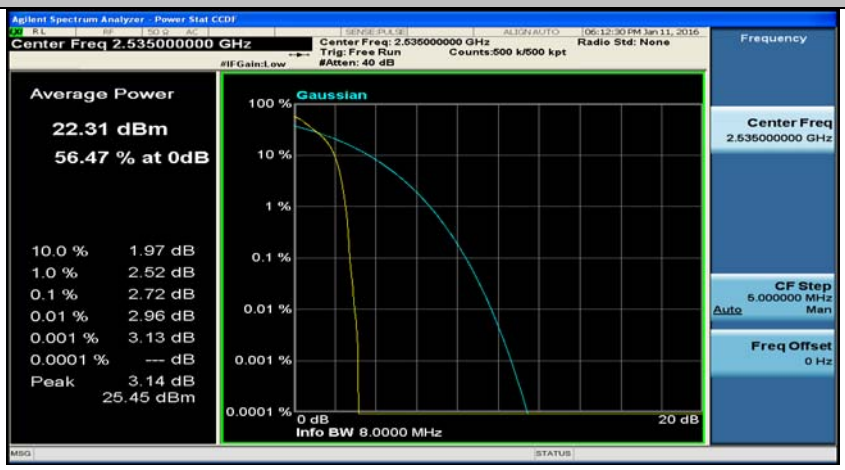
(Channel Bandwidth 15 MHz)_LCH_QPSK_37RB#38



(Channel Bandwidth 15 MHz)_LCH_QPSK_75RB#0

(Channel Bandwidth 15 MHz)_MCH_QPSK_1RB#0

(Channel Bandwidth 15 MHz)_MCH_QPSK_1RB#37



(Channel Bandwidth 15 MHz)_MCH_QPSK_1RB#74

(Channel Bandwidth 15 MHz)_MCH_QPSK_37RB#0

(Channel Bandwidth 15 MHz)_MCH_QPSK_37RB#18

(Channel Bandwidth 15 MHz)_MCH_QPSK_37RB#38

(Channel Bandwidth 15 MHz)_MCH_QPSK_75RB#0

(Channel Bandwidth 15 MHz)_HCH_QPSK_1RB#0

(Channel Bandwidth 15 MHz)_HCH_QPSK_1RB#37

(Channel Bandwidth 15 MHz)_HCH_QPSK_1RB#74

(Channel Bandwidth 15 MHz)_HCH_QPSK_37RB#0

(Channel Bandwidth 15 MHz)_HCH_QPSK_37RB#18

(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

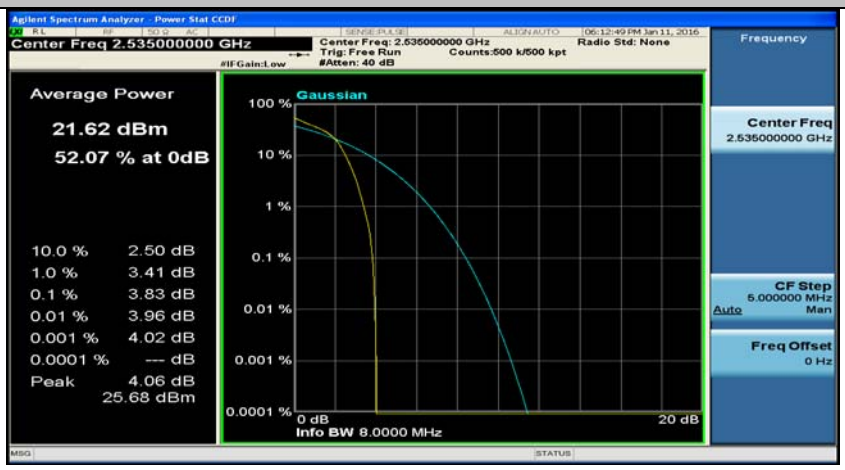
(Channel Bandwidth 15 MHz)_LCH_16QAM_37RB#18

(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

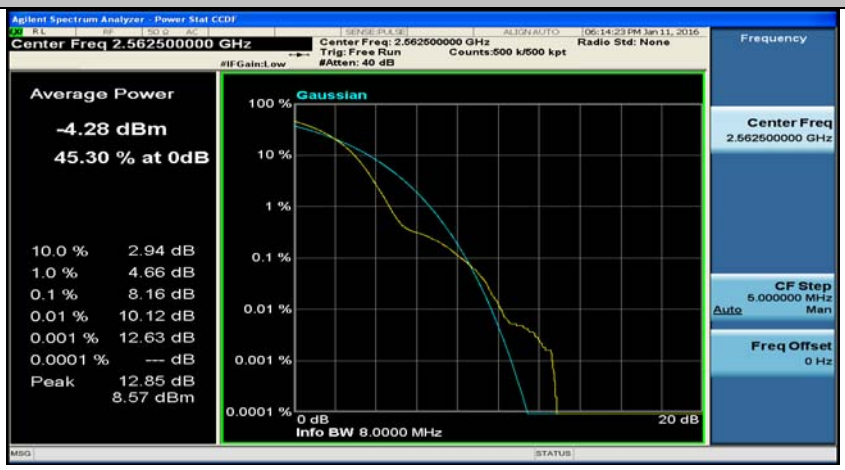


(Channel Bandwidth 15 MHz)_MCH_16QAM_1RB#74

(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