Appendix for Band 7

Product Name: GPS
Model No: MDT760

Appendix A: Average Power Output Data

Test Result

Channel Bandwidth: 5 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	23.19	PASS
		1	12	23.58	PASS
		1	24	23.23	PASS
		12	0	22.27	PASS
		12	6	22.34	PASS
		12	13	22.28	PASS
		25	0	22.29	PASS
	MCH	1	0	23.48	PASS
		1	12	23.97	PASS
		1	24	23.50	PASS
		12	0	22.53	PASS
		12	6	22.62	PASS
		12	13	22.56	PASS
		25	0	22.59	PASS
	HCH	1	0	23.61	PASS
		1	12	23.84	PASS
		1	24	23.59	PASS
		12	0	22.64	PASS
		12	6	22.76	PASS
		12	13	22.67	PASS
		25	0	22.65	PASS
16QAM	LCH	1	0	22.43	PASS
		1	12	22.87	PASS
		1	24	22.50	PASS
		12	0	21.35	PASS
		12	6	21.41	PASS
		12	13	21.35	PASS
		25	0	21.33	PASS
	MCH	1	0	22.86	PASS
		1	12	23.18	PASS
		1	24	22.84	PASS
		12	0	21.70	PASS
		12	6	21.82	PASS

		12	13	21.75	PASS
		25	0	21.65	PASS
	HCH	1	0	22.91	PASS
		1	12	23.12	PASS
		1	24	22.75	PASS
		12	0	21.80	PASS
		12	6	21.84	PASS
		12	13	21.76	PASS
		25	0	21.76	PASS

Channel Bandwidth: 10 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	23.29	PASS
		1	24	23.44	PASS
		1	49	23.28	PASS
		25	0	22.38	PASS
		25	12	22.34	PASS
		25	25	22.32	PASS
		50	0	22.37	PASS
	MCH	1	0	23.49	PASS
		1	24	23.66	PASS
		1	49	23.48	PASS
		25	0	22.55	PASS
		25	12	22.64	PASS
		25	25	22.61	PASS
		50	0	22.60	PASS
	HCH	1	0	23.69	PASS
		1	24	23.83	PASS
		1	49	23.56	PASS
		25	0	22.60	PASS
		25	12	22.49	PASS
		25	25	22.49	PASS
		50	0	22.66	PASS
16QAM	LCH	1	0	22.57	PASS
		1	24	22.75	PASS
		1	49	22.58	PASS
		25	0	21.44	PASS
		25	12	21.40	PASS
		25	25	21.44	PASS
		50	0	21.38	PASS

	MCH	1	0	23.01	PASS
		1	24	23.23	PASS
		1	49	23.01	PASS
		25	0	21.72	PASS
		25	12	21.75	PASS
		25	25	21.76	PASS
		50	0	21.72	PASS
	HCH	1	0	22.75	PASS
		1	24	23.11	PASS
		1	49	22.77	PASS
		25	0	21.53	PASS
		25	12	21.74	PASS
		25	25	21.86	PASS
		50	0	21.68	PASS

Channel Bandwidth: 15 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	23.17	PASS
		1	37	23.49	PASS
		1	74	23.05	PASS
		37	0	22.31	PASS
		37	18	22.31	PASS
		37	38	22.27	PASS
		75	0	22.29	PASS
	MCH	1	0	23.35	PASS
		1	37	23.63	PASS
		1	74	23.36	PASS
		37	0	22.48	PASS
		37	18	22.52	PASS
		37	38	22.51	PASS
		75	0	22.52	PASS
	HCH	1	0	23.67	PASS
		1	37	23.78	PASS
		1	74	23.52	PASS
		37	0	22.64	PASS
		37	18	22.67	PASS
		37	38	22.65	PASS
		75	0	22.70	PASS
16QAM	LCH	1	0	22.50	PASS
		1	37	22.73	PASS

		1	74	22.51	PASS
		37	0	21.31	PASS
		37	18	21.31	PASS
		37	38	21.28	PASS
		75	0	21.32	PASS
	MCH	1	0	22.77	PASS
		1	37	23.10	PASS
		1	74	22.78	PASS
		37	0	21.55	PASS
		37	18	21.63	PASS
		37	38	21.58	PASS
		75	0	21.57	PASS
	HCH	1	0	23.00	PASS
		1	37	23.31	PASS
		1	74	22.79	PASS
		37	0	21.75	PASS
		37	18	21.72	PASS
		37	38	21.73	PASS
		75	0	21.83	PASS

Channel Bandwidth: 20 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	23.09	PASS
		1	49	23.48	PASS
		1	99	23.10	PASS
		50	0	22.31	PASS
		50	25	22.32	PASS
		50	50	22.32	PASS
		100	0	22.31	PASS
	MCH	1	0	23.18	PASS
		1	49	23.98	PASS
		1	99	23.29	PASS
		50	0	22.53	PASS
		50	25	22.60	PASS
		50	50	22.63	PASS
		100	0	22.55	PASS
	HCH	1	0	23.35	PASS
		1	49	23.71	PASS
		1	99	23.25	PASS
		50	0	22.86	PASS

		50	25	22.79	PASS
		50	50	22.80	PASS
		100	0	22.82	PASS
16QAM	LCH	1	0	22.31	PASS
		1	49	22.74	PASS
		1	99	22.41	PASS
		50	0	21.35	PASS
		50	25	21.37	PASS
		50	50	21.36	PASS
		100	0	21.38	PASS
	MCH	1	0	22.63	PASS
		1	49	23.22	PASS
		1	99	22.78	PASS
		50	0	21.67	PASS
		50	25	21.71	PASS
		50	50	21.77	PASS
		100	0	21.66	PASS
	HCH	1	0	22.79	PASS
		1	49	23.16	PASS
		1	99	22.67	PASS
		50	0	21.96	PASS
		50	25	21.90	PASS
		50	50	21.93	PASS
		100	0	21.85	PASS

Appendix B: Peak-to-Average Ratio

Test Result

Channel Bandwidth: 5 MHz

Channel Bandwidth: 5 MHz						
Modulation	Channel	RB Configuration		Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
		Size	Offset			
QPSK	LCH	1	0	5.21	<13	PASS
		1	12	5	<13	PASS
		1	24	5.26	<13	PASS
		12	0	5.6	<13	PASS
		12	6	5.6	<13	PASS
		12	13	5.62	<13	PASS
		25	0	5.62	<13	PASS
	MCH	1	0	5.47	<13	PASS
		1	12	5.2	<13	PASS
		1	24	5.45	<13	PASS
		12	0	5.96	<13	PASS
		12	6	5.81	<13	PASS
		12	13	5.87	<13	PASS
		25	0	6.02	<13	PASS
	HCH	1	0	4.85	<13	PASS
		1	12	4.19	<13	PASS
		1	24	3.88	<13	PASS
		12	0	5.93	<13	PASS
		12	6	5.65	<13	PASS
		12	13	5.44	<13	PASS
		25	0	5.54	<13	PASS
16QAM	LCH	1	0	5.88	<13	PASS
		1	12	5.68	<13	PASS
		1	24	5.9	<13	PASS
		12	0	6.53	<13	PASS
		12	6	6.55	<13	PASS
		12	13	6.52	<13	PASS
		25	0	6.37	<13	PASS
	MCH	1	0	6.53	<13	PASS
		1	12	6.41	<13	PASS
		1	24	6.5	<13	PASS

		12	0	6.77	<13	PASS
		12	6	6.7	<13	PASS
		12	13	6.79	<13	PASS
		25	0	6.77	<13	PASS
	HCH	1	0	5.84	<13	PASS
		1	12	5.47	<13	PASS
		1	24	4.88	<13	PASS
		12	0	6.73	<13	PASS
		12	6	6.28	<13	PASS
		12	13	6.02	<13	PASS
		25	0	6.47	<13	PASS

Channel Bandwidth: 10 MHz

Channel Bandwidth: 10 MHz						
Modulation	Channel	RB Configuration		Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
		Size	Offset			
QPSK	LCH	1	0	4.81	<13	PASS
		1	24	4.9	<13	PASS
		1	49	5.09	<13	PASS
		25	0	5.59	<13	PASS
		25	12	5.68	<13	PASS
		25	25	5.73	<13	PASS
		50	0	5.71	<13	PASS
	MCH	1	0	5.11	<13	PASS
		1	24	5.06	<13	PASS
		1	49	5.22	<13	PASS
		25	0	6.05	<13	PASS
		25	12	6.02	<13	PASS
		25	25	6.02	<13	PASS
		50	0	6.09	<13	PASS
	HCH	1	0	4.92	<13	PASS
		1	24	4.8	<13	PASS
		1	49	4.11	<13	PASS
		25	0	5.95	<13	PASS
		25	12	5.9	<13	PASS
		25	25	5.66	<13	PASS
		50	0	5.83	<13	PASS
16QAM	LCH	1	0	5.73	<13	PASS
		1	24	5.73	<13	PASS
		1	49	5.95	<13	PASS
		25	0	6.4	<13	PASS

		25	12	6.44	<13	PASS
		25	25	6.48	<13	PASS
		50	0	6.48	<13	PASS
	MCH	1	0	6.01	<13	PASS
		1	24	5.97	<13	PASS
		1	49	6.18	<13	PASS
		25	0	6.88	<13	PASS
		25	12	6.95	<13	PASS
		25	25	6.8	<13	PASS
		50	0	6.86	<13	PASS
	HCH	1	0	6.12	<13	PASS
		1	24	6.18	<13	PASS
		1	49	5.05	<13	PASS
		25	0	6.86	<13	PASS
		25	12	6.73	<13	PASS
		25	25	6.42	<13	PASS
		50	0	6.73	<13	PASS

Channel Bandwidth: 15 MHz

Channel Bandwidth: 15 MHz						
Modulation	Channel	RB Configuration		Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
		Size	Offset			
QPSK	LCH	1	0	4.92	<13	PASS
		1	37	4.87	<13	PASS
		1	74	5.29	<13	PASS
		37	0	5.62	<13	PASS
		37	18	5.74	<13	PASS
		37	38	5.81	<13	PASS
		75	0	6.06	<13	PASS
	MCH	1	0	5.31	<13	PASS
		1	37	5.29	<13	PASS
		1	74	5.54	<13	PASS
		37	0	6.01	<13	PASS
		37	18	6.05	<13	PASS
		37	38	6.02	<13	PASS
		75	0	6.36	<13	PASS
	HCH	1	0	4.92	<13	PASS
		1	37	4.91	<13	PASS
		1	74	4	<13	PASS
		37	0	5.85	<13	PASS
		37	18	5.95	<13	PASS

		37	38	5.81	<13	PASS
		75	0	6.09	<13	PASS
16QAM	LCH	1	0	6.03	<13	PASS
		1	37	5.89	<13	PASS
		1	74	6.23	<13	PASS
		37	0	6.43	<13	PASS
		37	18	6.56	<13	PASS
		37	38	6.59	<13	PASS
		75	0	6.67	<13	PASS
	MCH	1	0	6.43	<13	PASS
		1	37	6.24	<13	PASS
		1	74	6.25	<13	PASS
		37	0	6.87	<13	PASS
		37	18	6.91	<13	PASS
		37	38	6.95	<13	PASS
		75	0	6.86	<13	PASS
	HCH	1	0	6.04	<13	PASS
		1	37	5.79	<13	PASS
		1	74	5.13	<13	PASS
		37	0	6.69	<13	PASS
		37	18	6.67	<13	PASS
		37	38	6.58	<13	PASS
		75	0	6.76	<13	PASS

Channel Bandwidth: 20 MHz

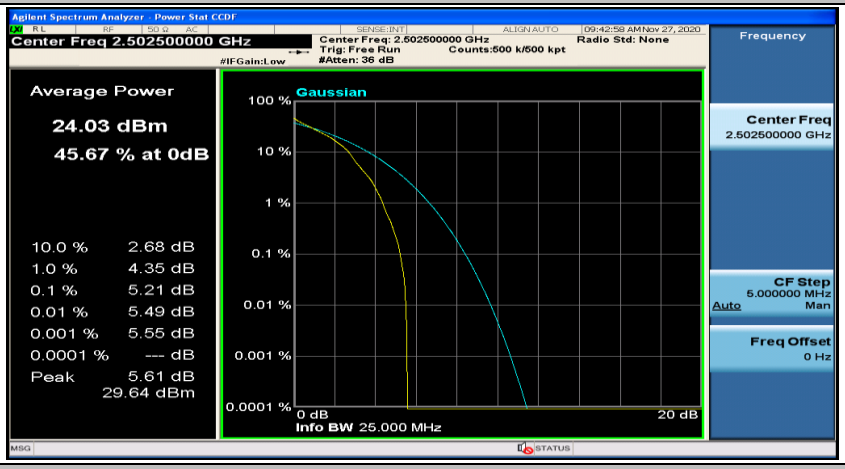
Channel Bandwidth: 20 MHz						
Modulation	Channel	RB Configuration		Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
		Size	Offset			
QPSK	LCH	1	0	4.95	<13	PASS
		1	49	4.87	<13	PASS
		1	99	5.24	<13	PASS
		50	0	5.72	<13	PASS
		50	25	5.75	<13	PASS
		50	50	5.83	<13	PASS
		100	0	5.86	<13	PASS
	MCH	1	0	5.54	<13	PASS
		1	49	5.42	<13	PASS
		1	99	5.67	<13	PASS
		50	0	6.04	<13	PASS
		50	25	6.02	<13	PASS
		50	50	6.02	<13	PASS

		100	0	5.97	<13	PASS
	HCH	1	0	5.17	<13	PASS
		1	49	4.89	<13	PASS
		1	99	4.38	<13	PASS
		50	0	5.89	<13	PASS
		50	25	5.94	<13	PASS
		50	50	5.77	<13	PASS
		100	0	5.91	<13	PASS
16QAM	LCH	1	0	5.76	<13	PASS
		1	49	5.71	<13	PASS
		1	99	6.25	<13	PASS
		50	0	6.56	<13	PASS
		50	25	6.58	<13	PASS
		50	50	6.64	<13	PASS
		100	0	6.6	<13	PASS
	MCH	1	0	6.18	<13	PASS
		1	49	6.14	<13	PASS
		1	99	6.22	<13	PASS
		50	0	6.84	<13	PASS
		50	25	6.85	<13	PASS
		50	50	6.82	<13	PASS
		100	0	6.68	<13	PASS
	HCH	1	0	6.21	<13	PASS
		1	49	6.08	<13	PASS
		1	99	5.35	<13	PASS
		50	0	6.66	<13	PASS
		50	25	6.71	<13	PASS
		50	50	6.57	<13	PASS
		100	0	6.74	<13	PASS

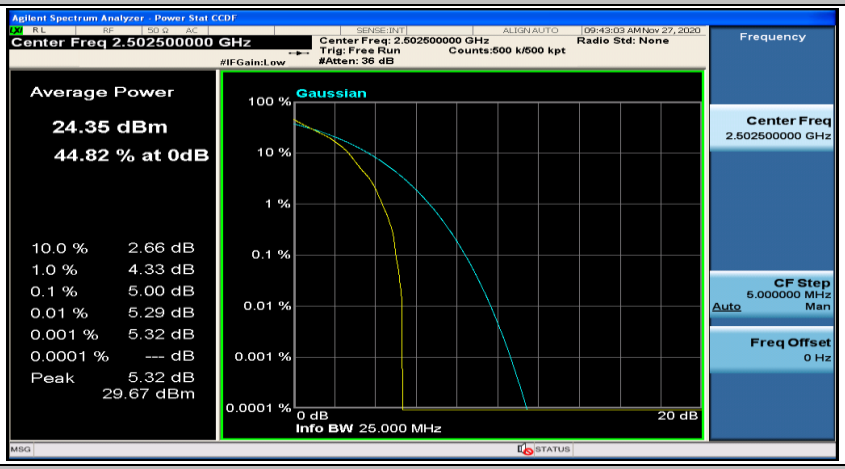
Test Graphs

Channel Bandwidth: 5 MHz

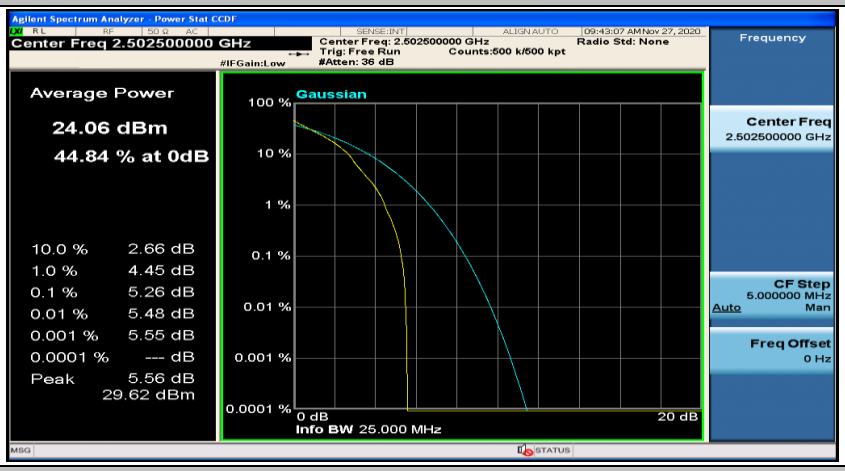
(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#0



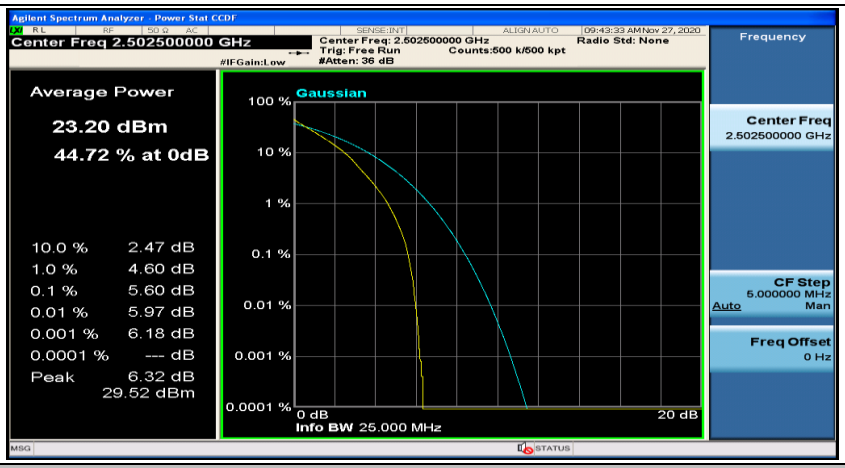
(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#12



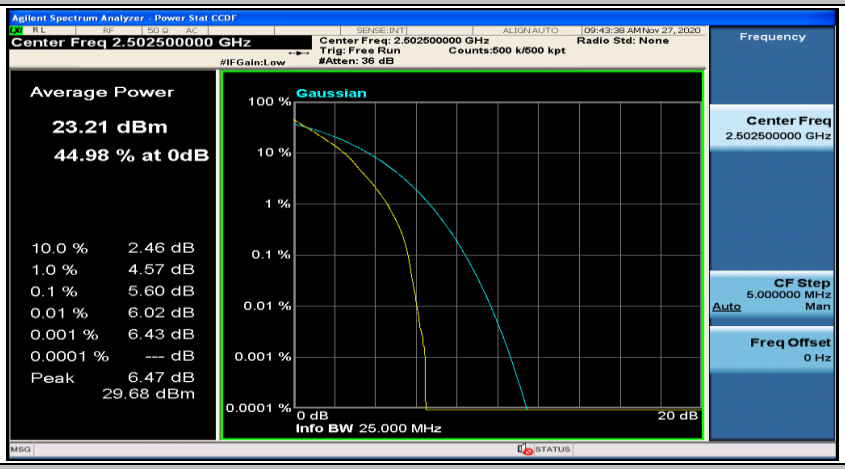
(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#24



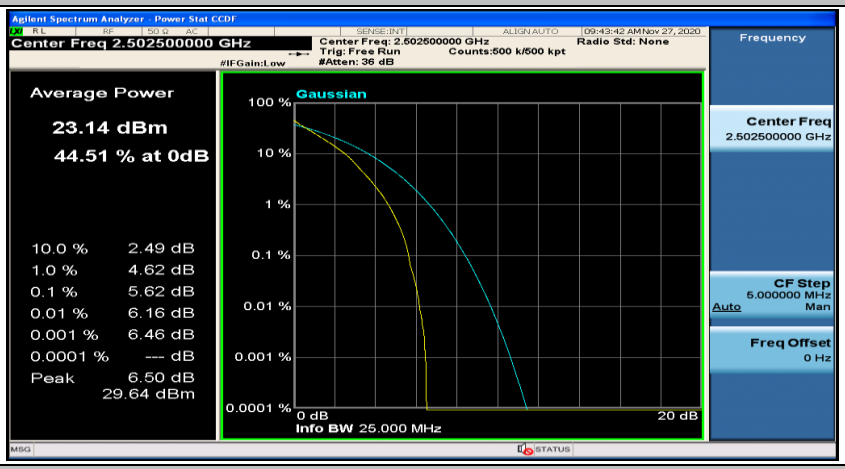
(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#0



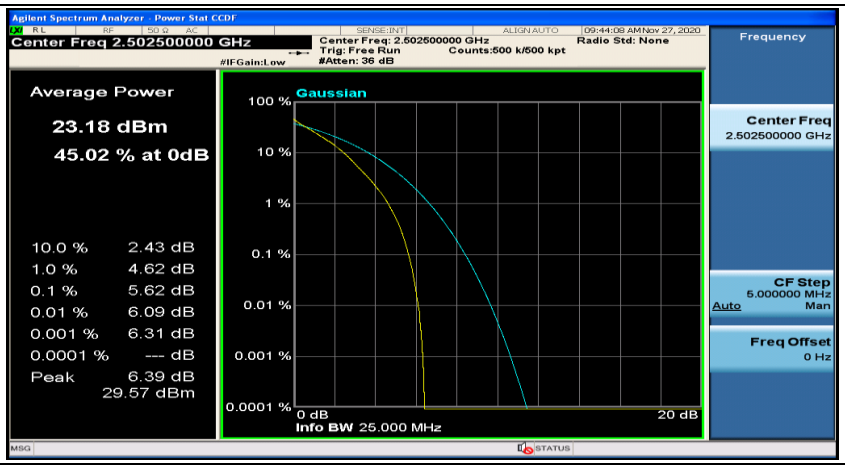
(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#6



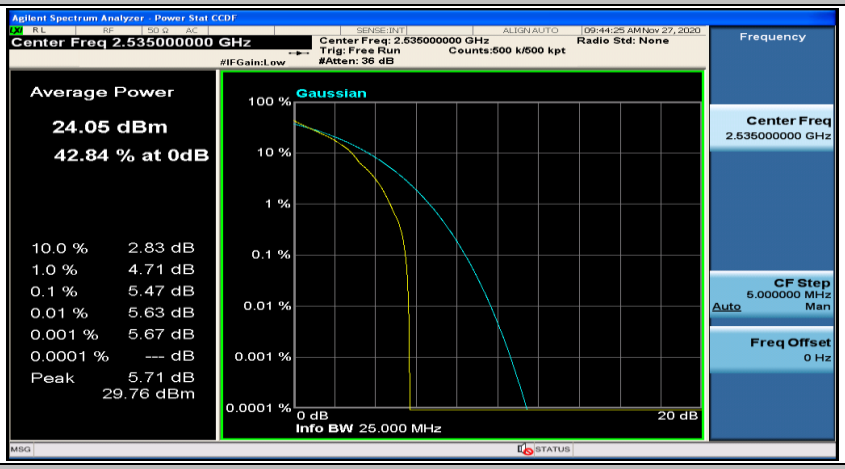
(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#13



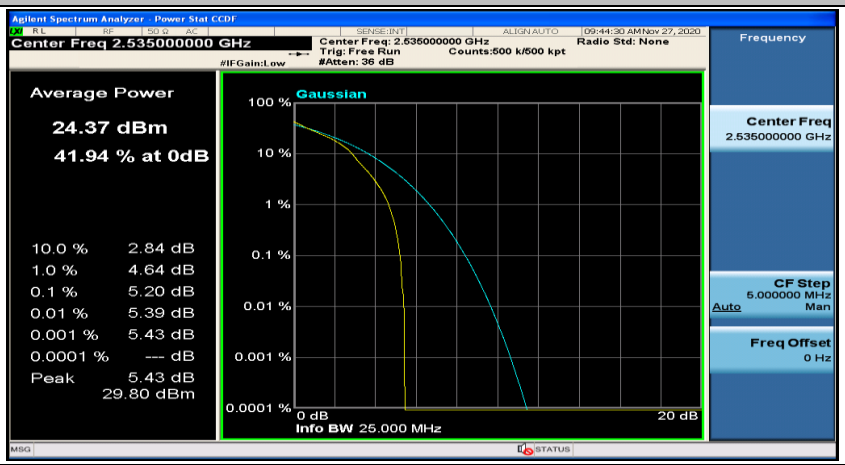
(Channel Bandwidth: 5 MHz)_LCH_QPSK_25RB#0



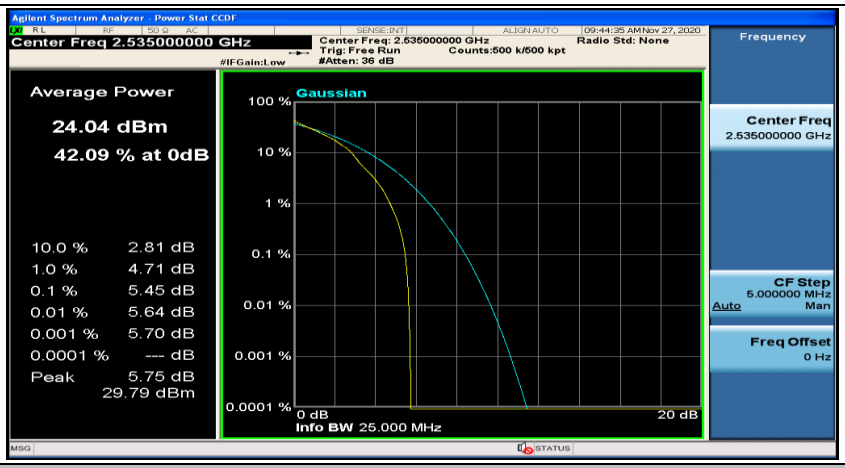
(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#0



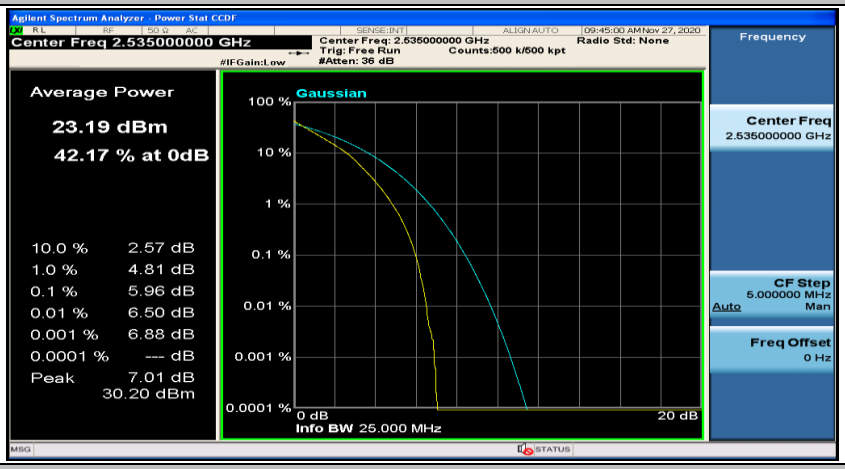
(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#12



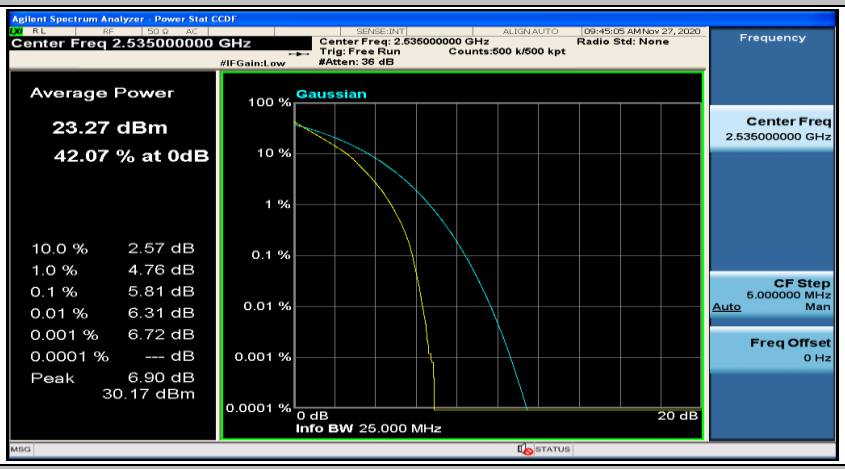
(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#24



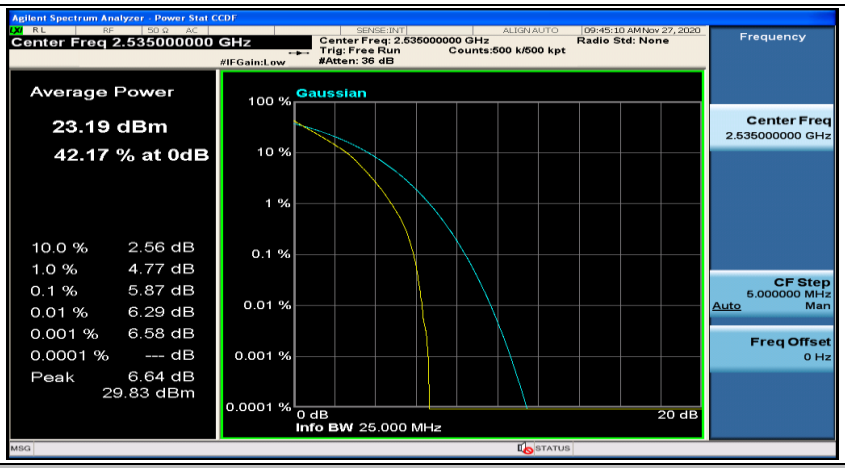
(Channel Bandwidth: 5 MHz)_MCH_QPSK_12RB#0



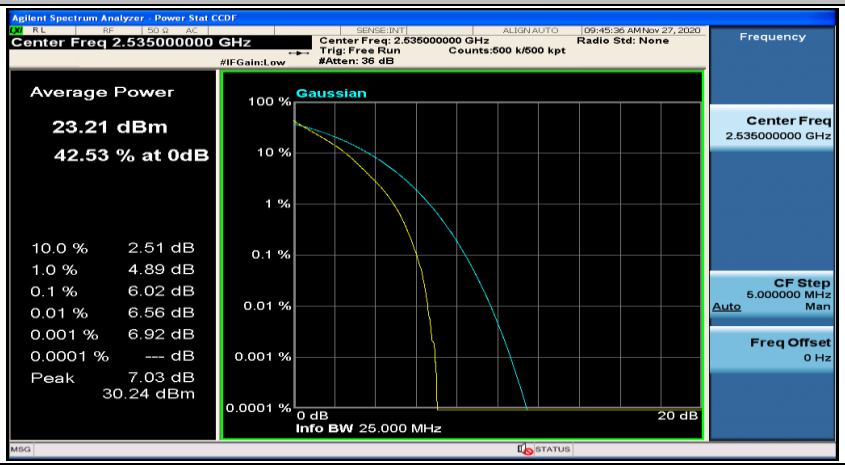
(Channel Bandwidth: 5 MHz)_MCH_QPSK_12RB#6



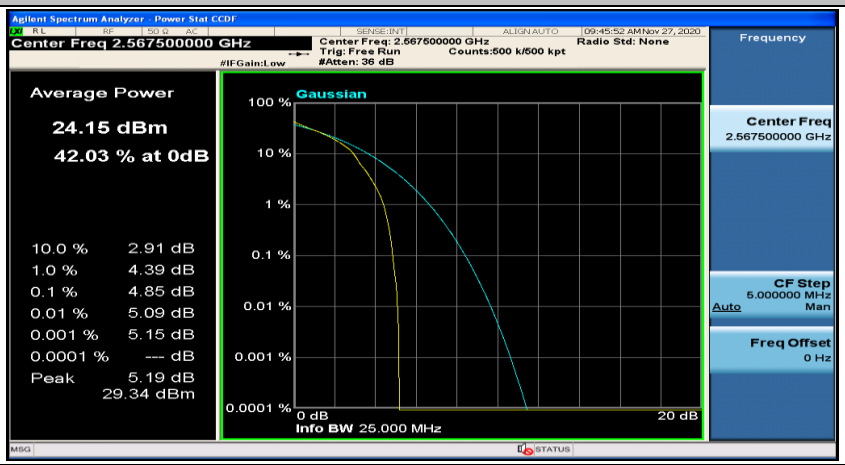
(Channel Bandwidth: 5 MHz)_MCH_QPSK_12RB#13



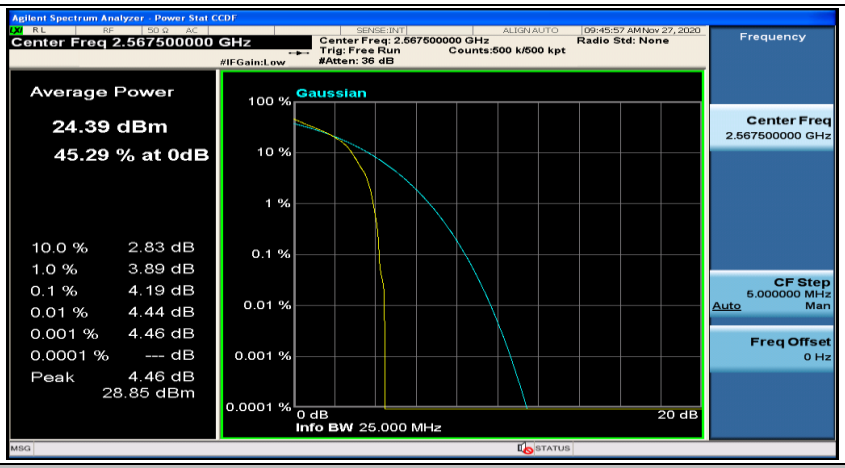
(Channel Bandwidth: 5 MHz)_MCH_QPSK_25RB#0



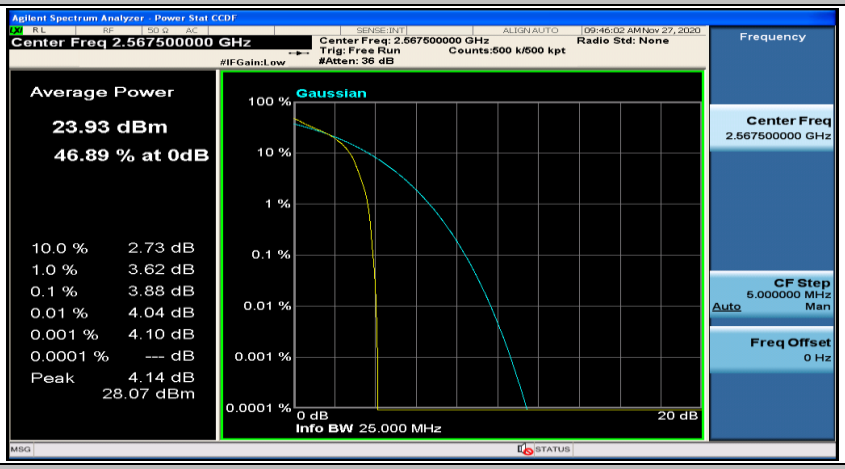
(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#0



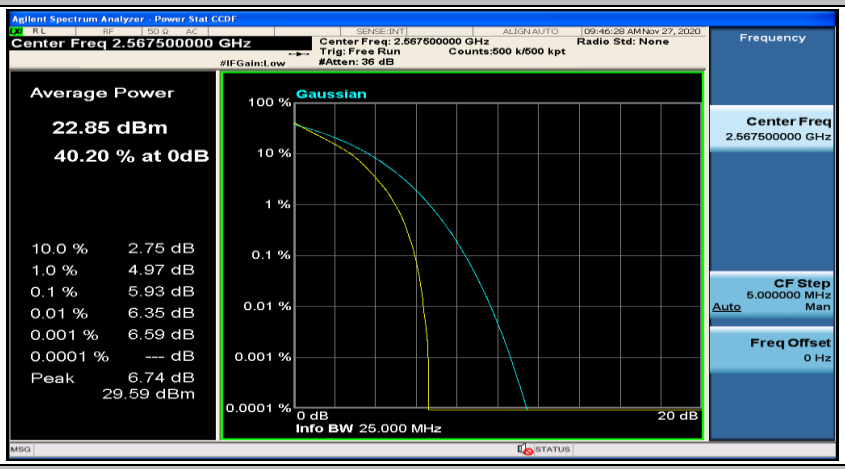
(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#12



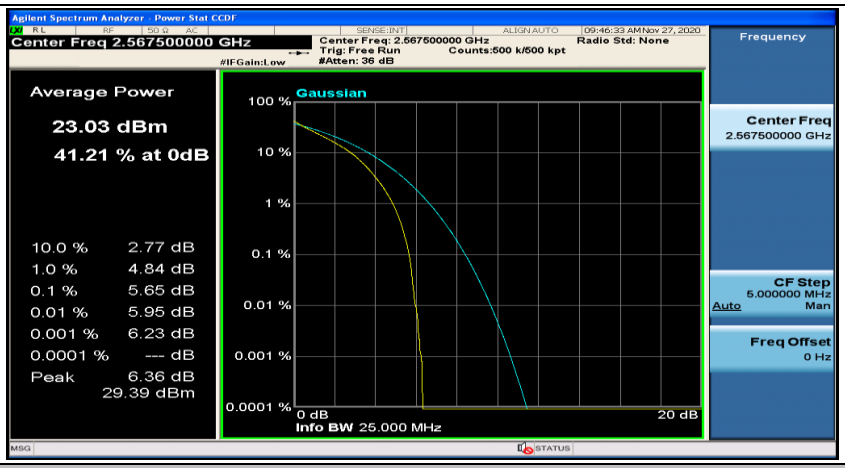
(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#24



(Channel Bandwidth: 5 MHz)_HCH_QPSK_12RB#0



(Channel Bandwidth: 5 MHz)_HCH_QPSK_12RB#6



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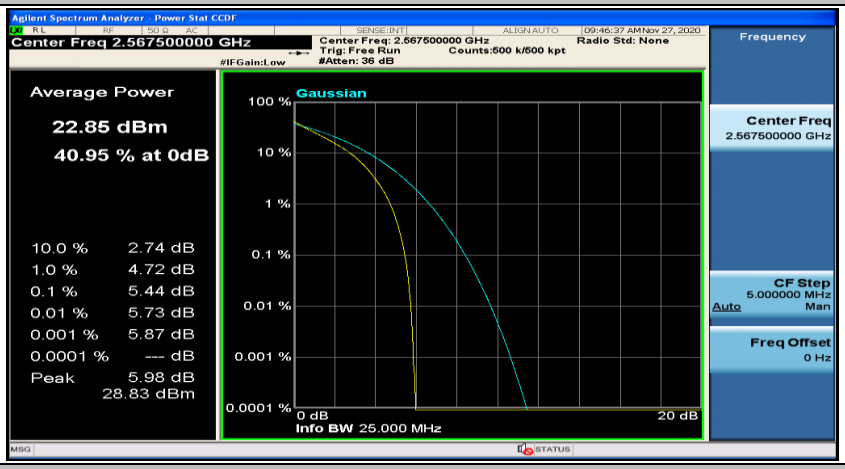
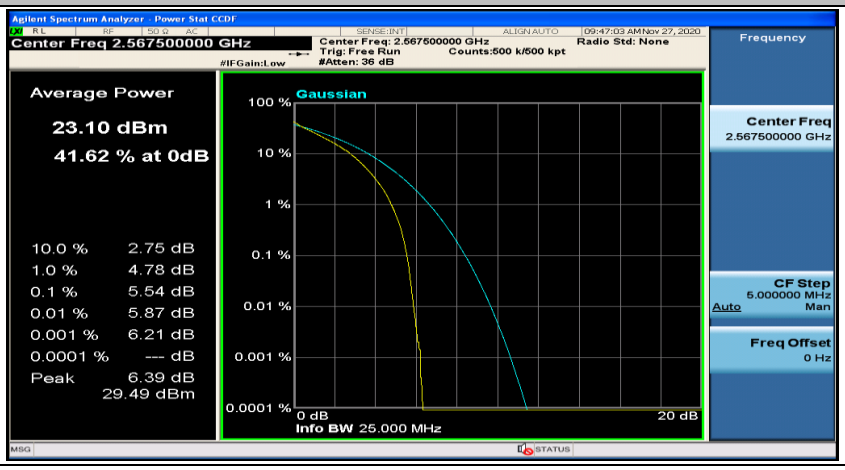
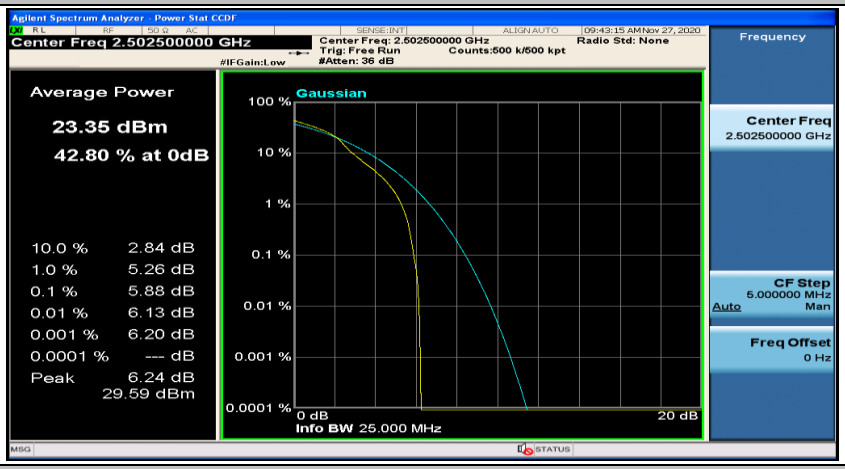


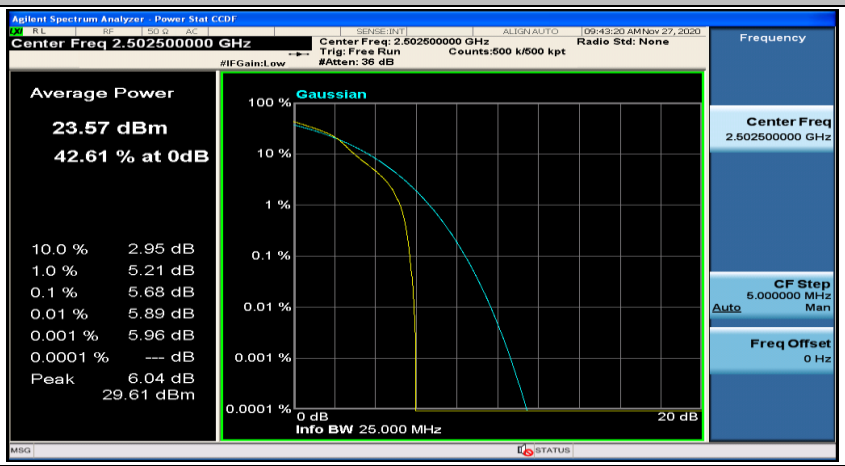
(Channel Bandwidth: 5 MHz)_HCH_QPSK_25RB#0



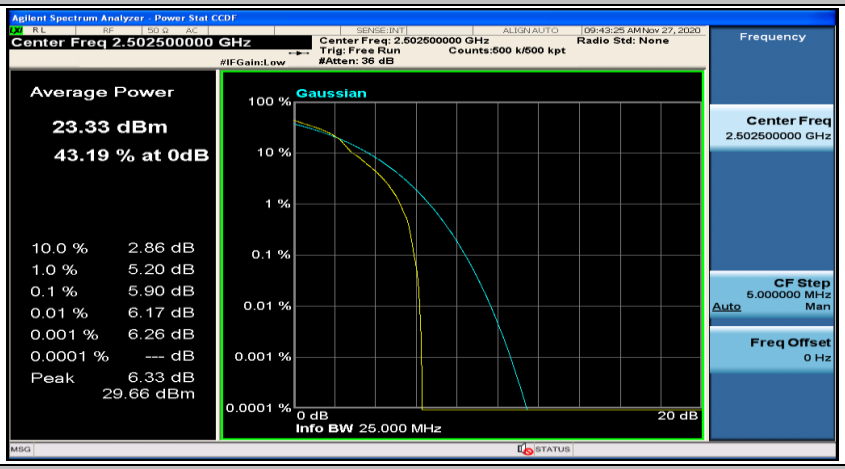
(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#0



(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#12



(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#24



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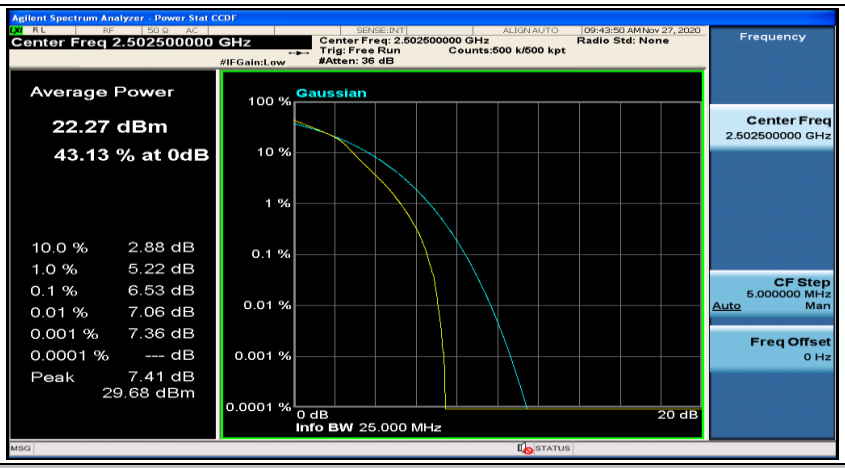

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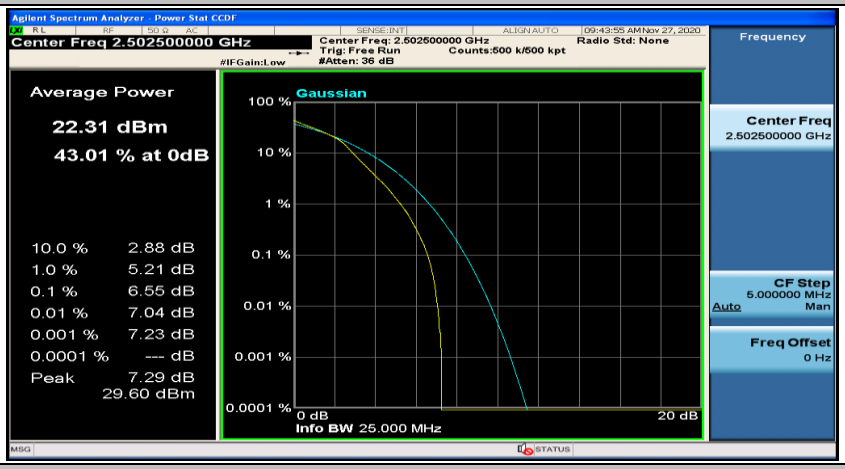

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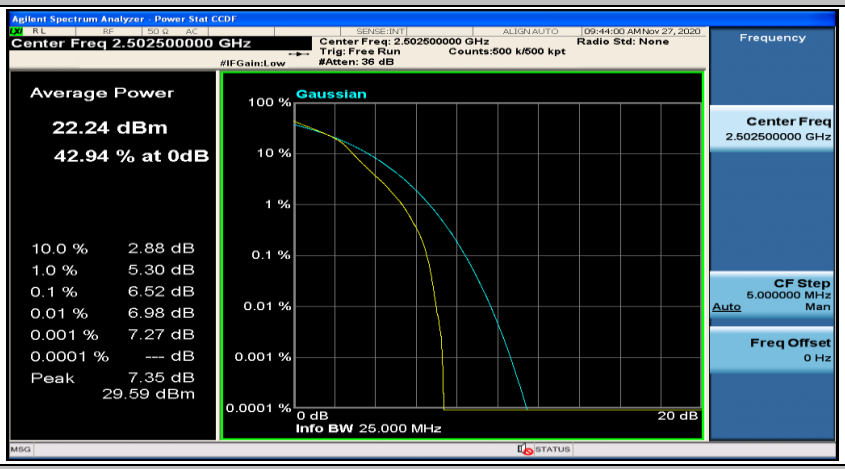
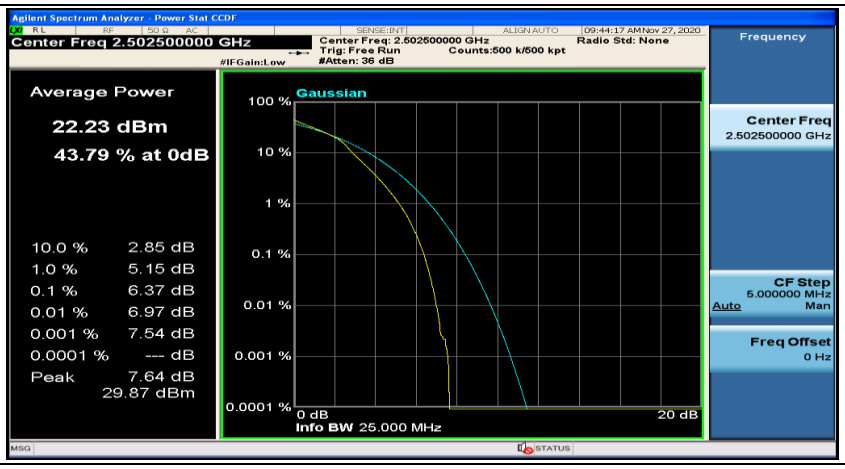
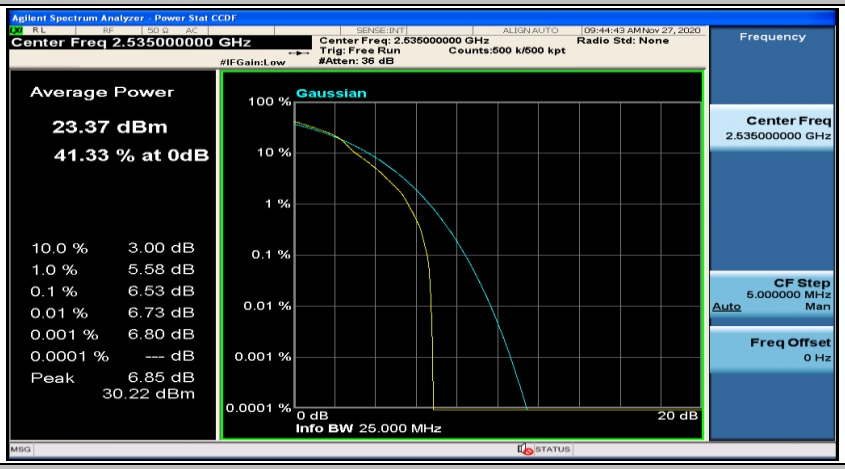


(Channel Bandwidth: 5 MHz)_LCH_16QAM_25RB#0



(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#0



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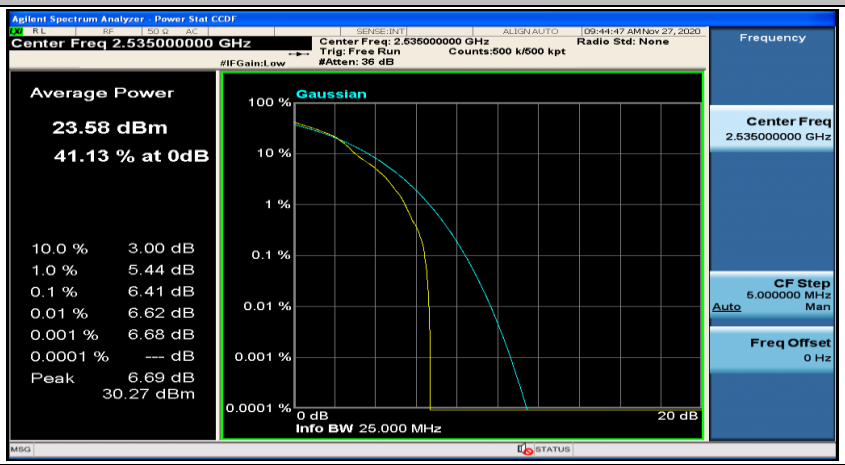
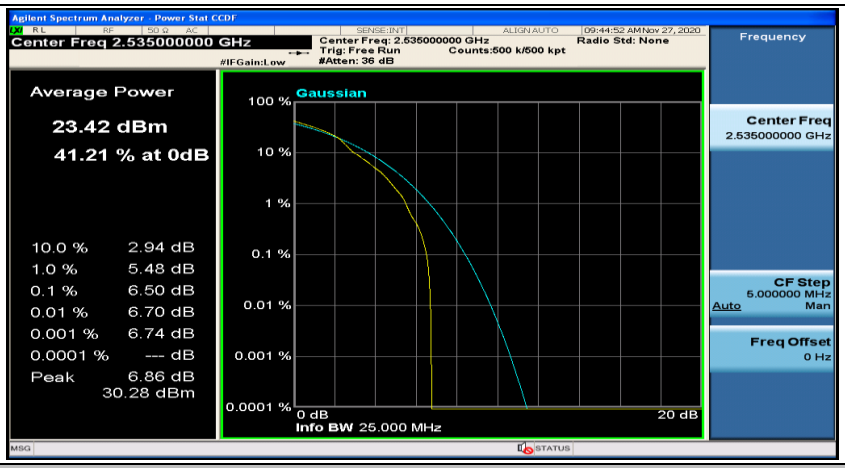
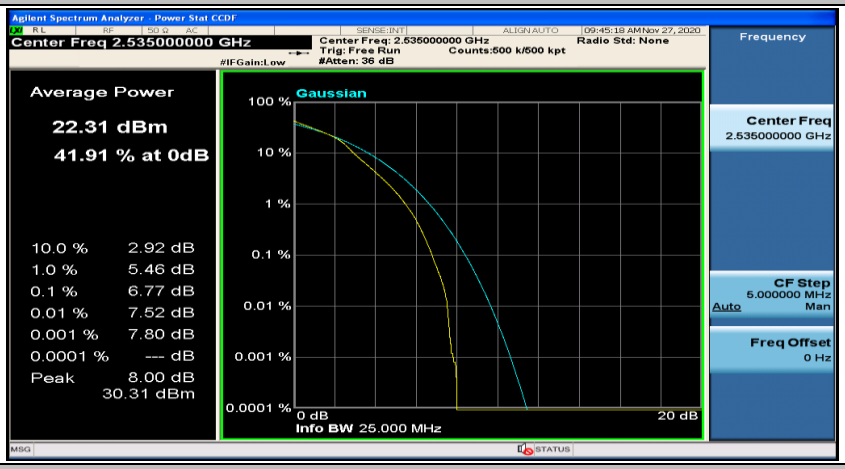


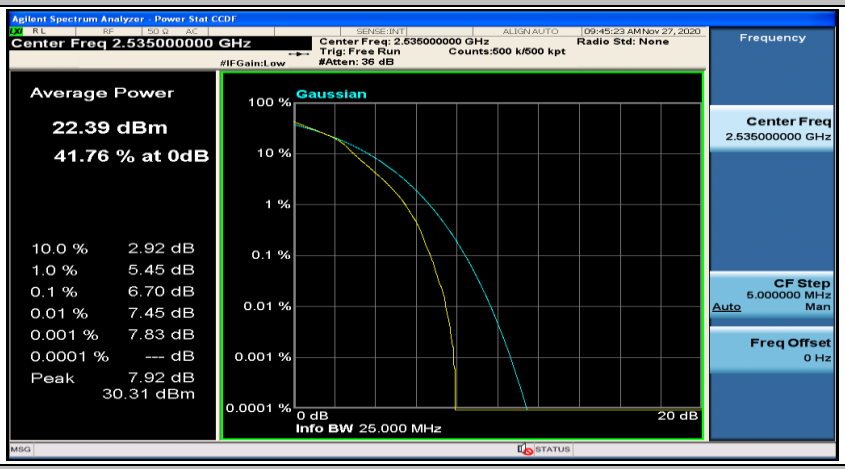
(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#24



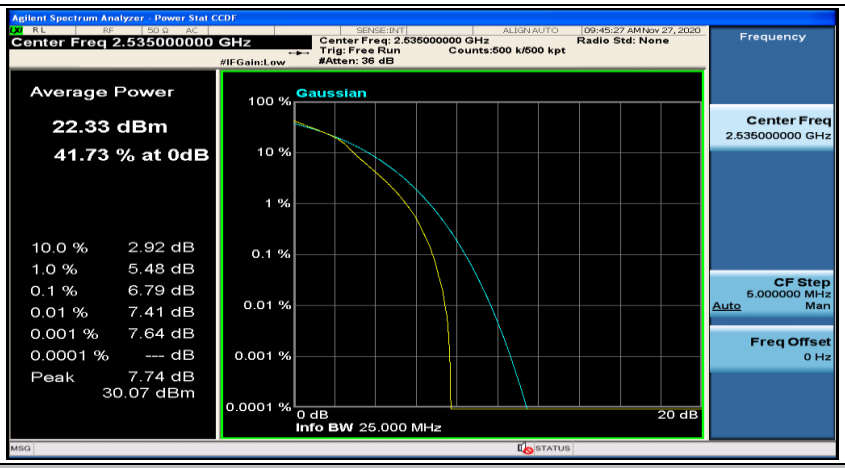
(Channel Bandwidth: 5 MHz)_MCH_16QAM_12RB#0



(Channel Bandwidth: 5 MHz)_MCH_16QAM_12RB#6



(Channel Bandwidth: 5 MHz)_MCH_16QAM_12RB#13



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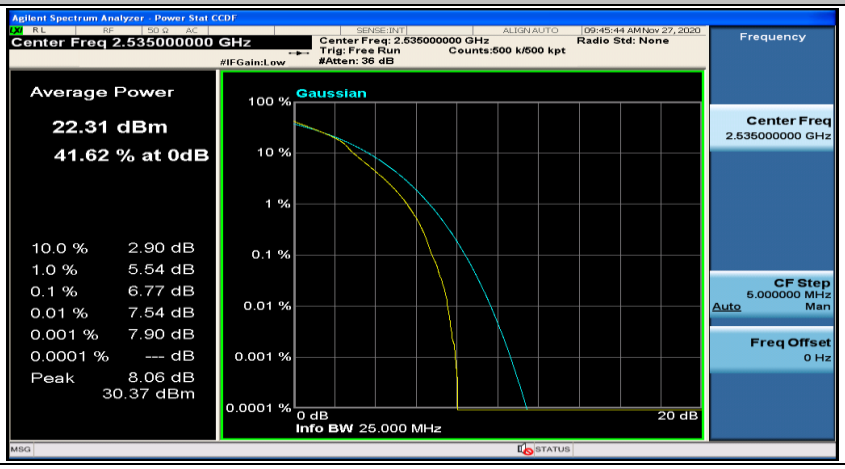
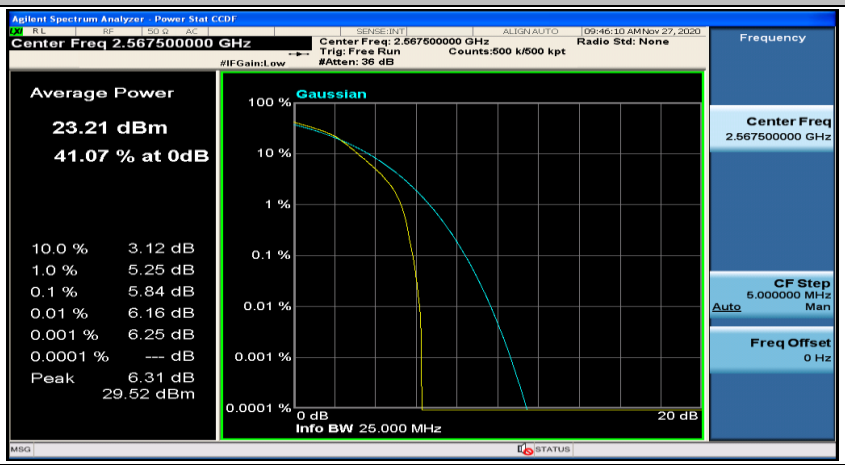
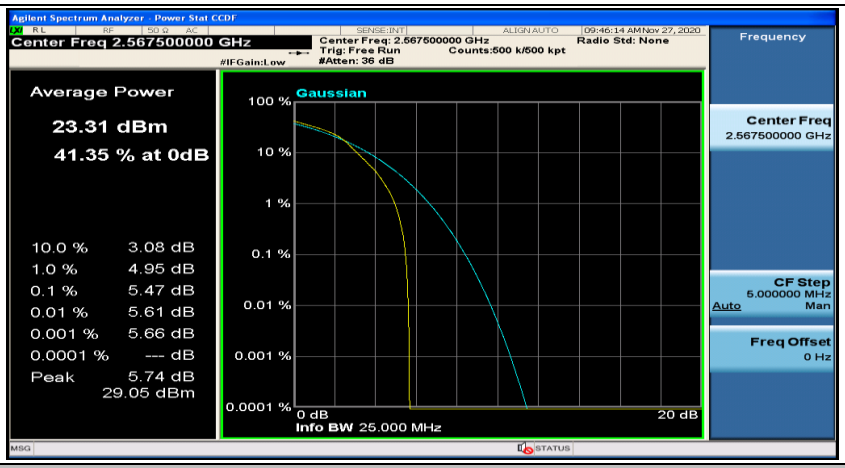


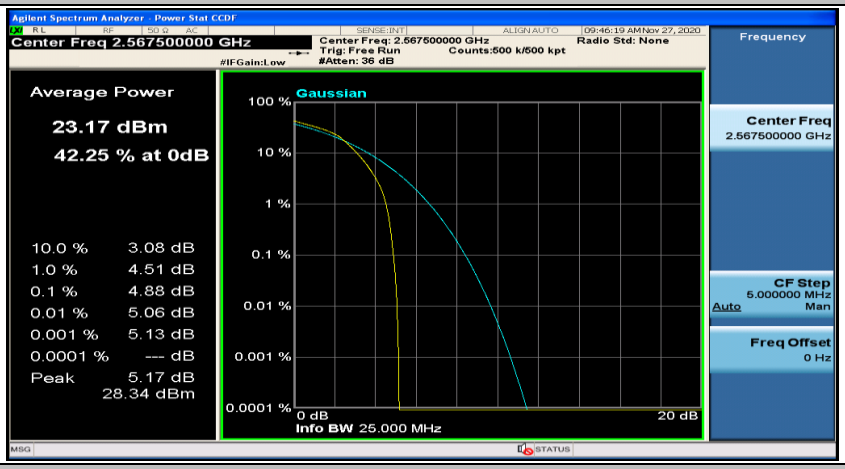
(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#0



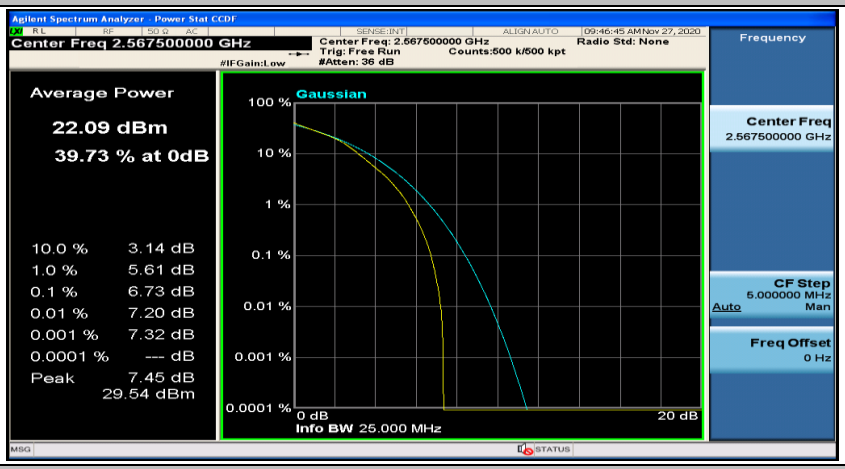
(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#12



(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#24



(Channel Bandwidth: 5 MHz)_HCH_16QAM_12RB#0



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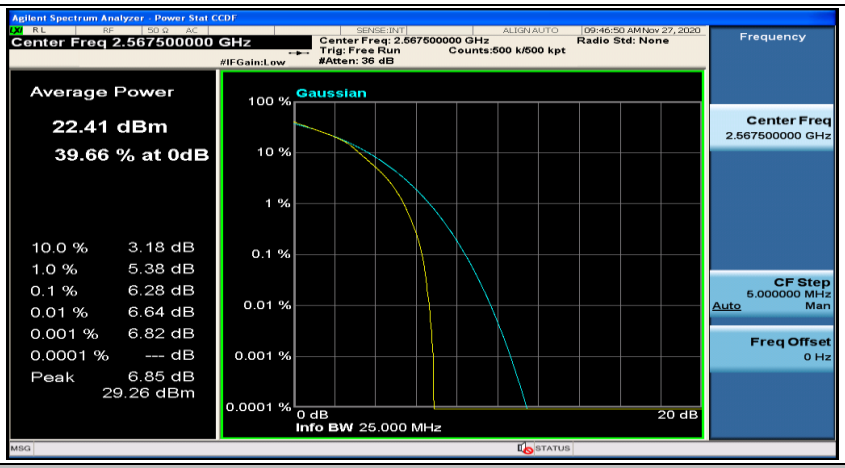
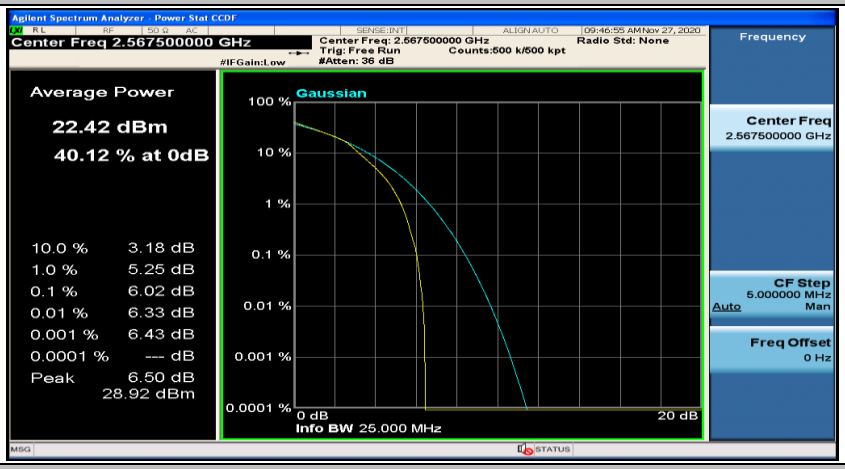


(Channel Bandwidth: 5 MHz)_HCH_16QAM_12RB#13



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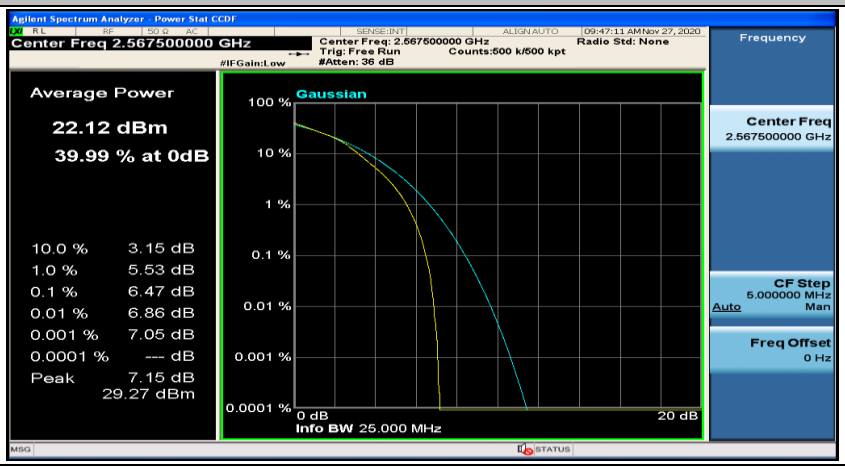
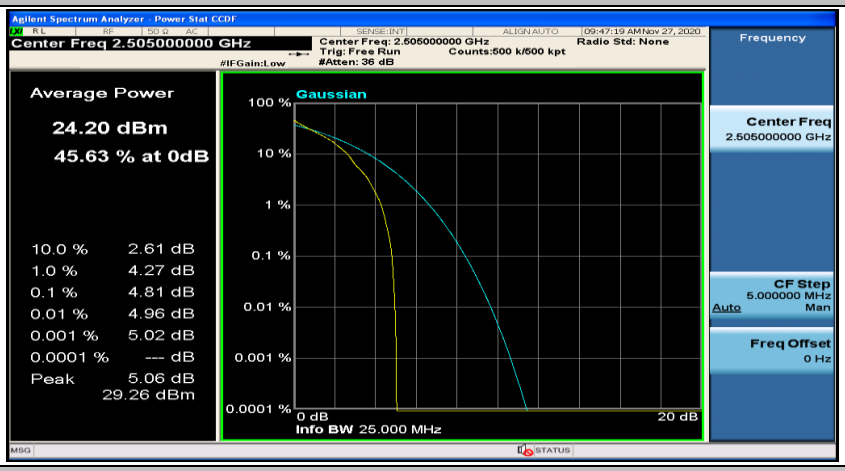
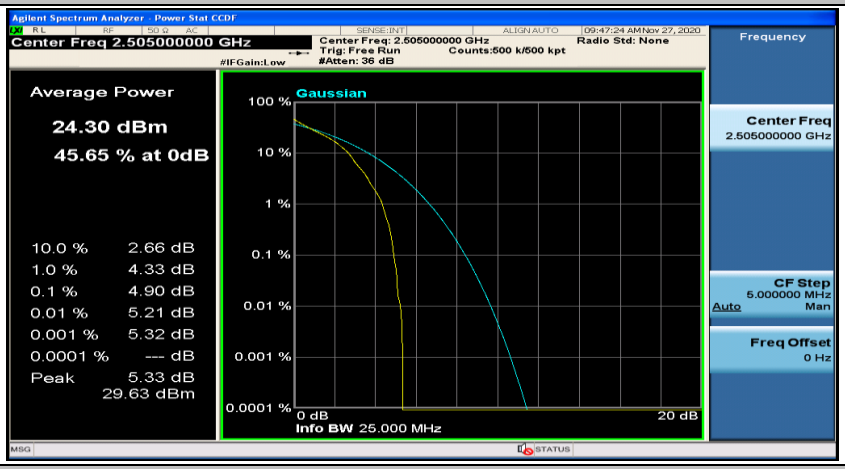
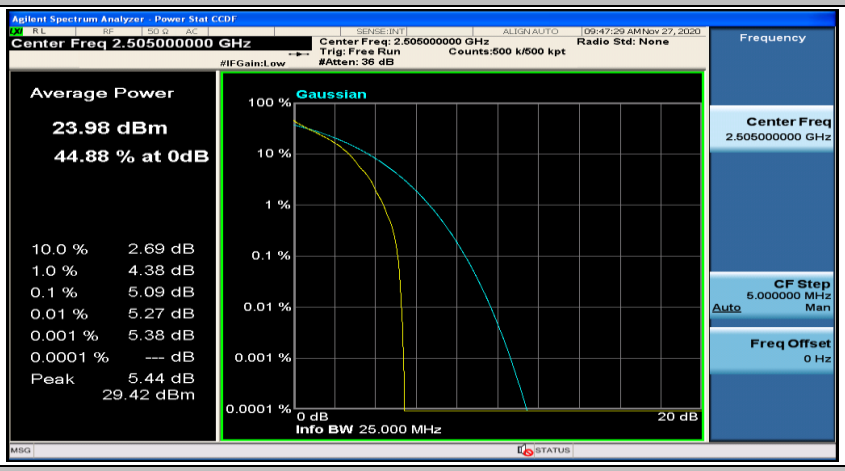


Channel Bandwidth: 10 MHz

Channel Bandwidth: 10 MHz_LCH_QPSK_1RB#0


Channel Bandwidth: 10 MHz_LCH_QPSK_1RB#24


Channel Bandwidth: 10 MHz_LCH_QPSK_1RB#49


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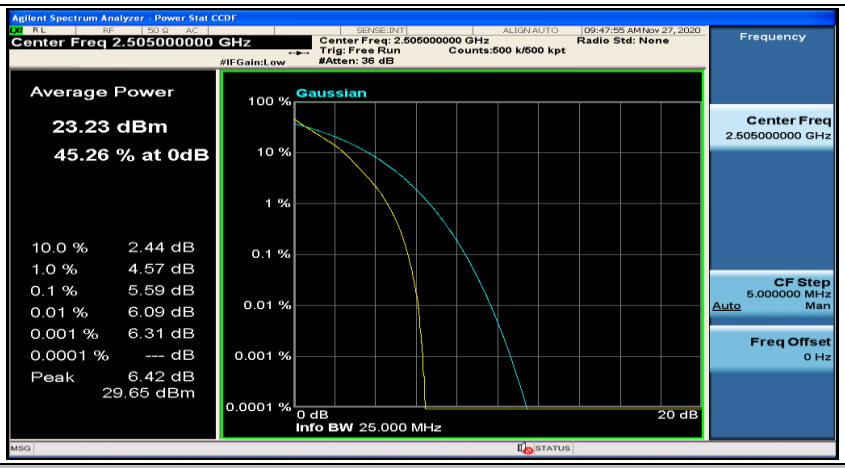

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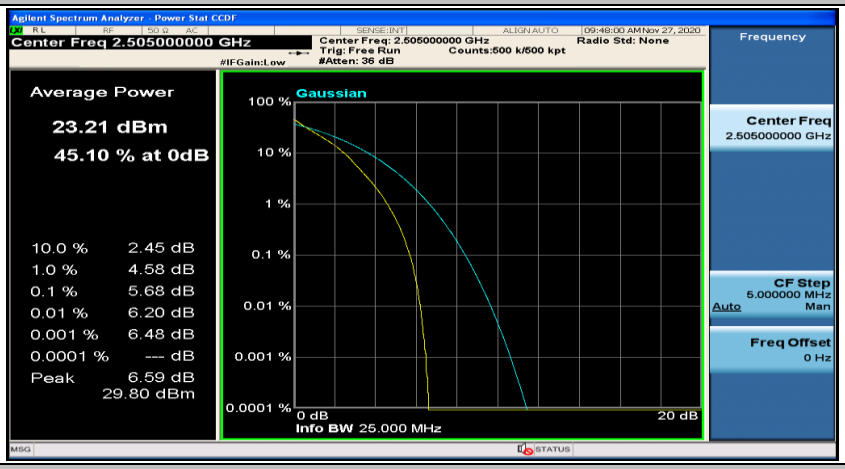

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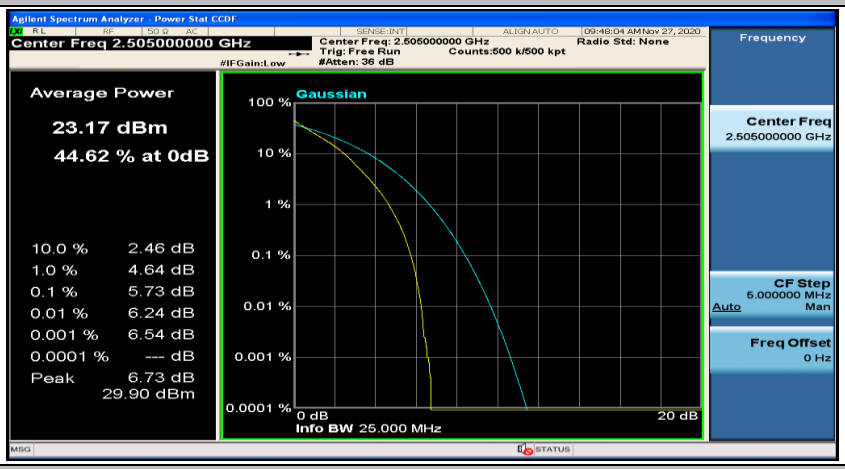
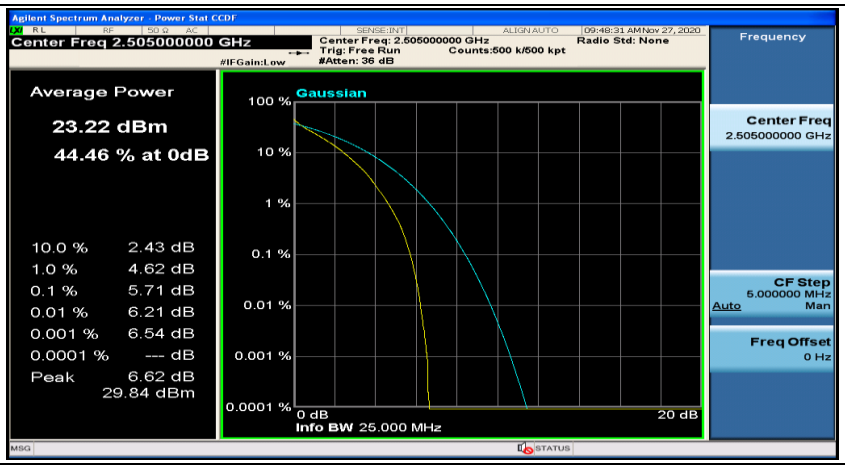


Channel Bandwidth: 10 MHz_LCH_QPSK_50RB#0



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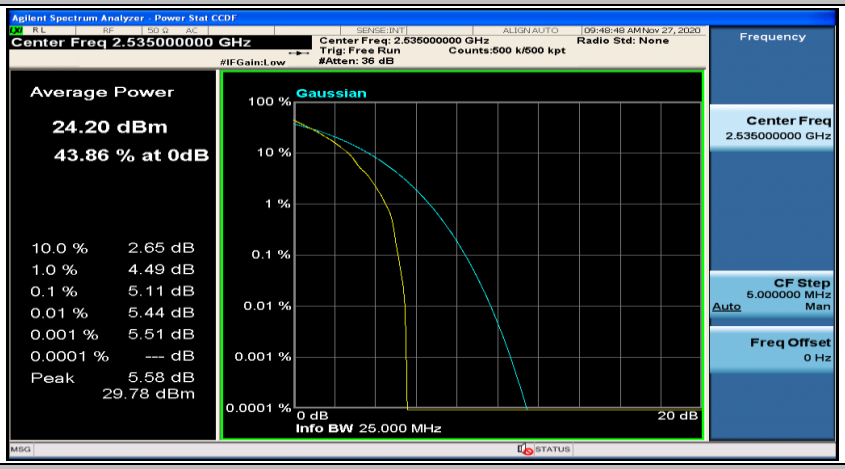

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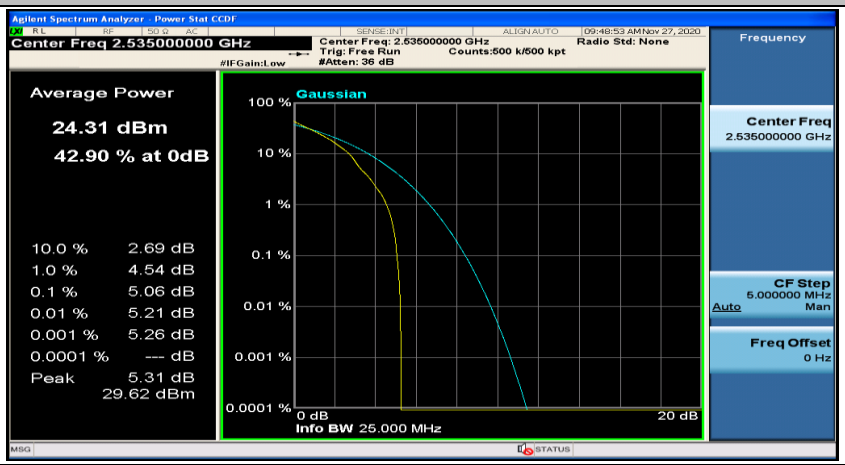

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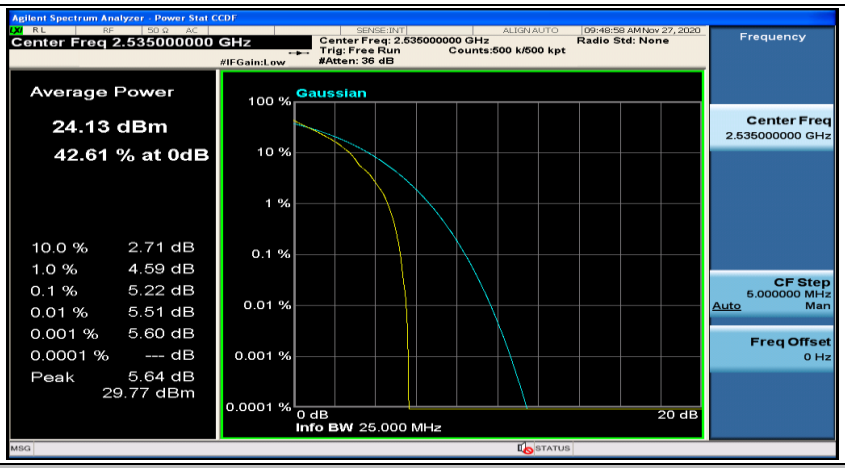

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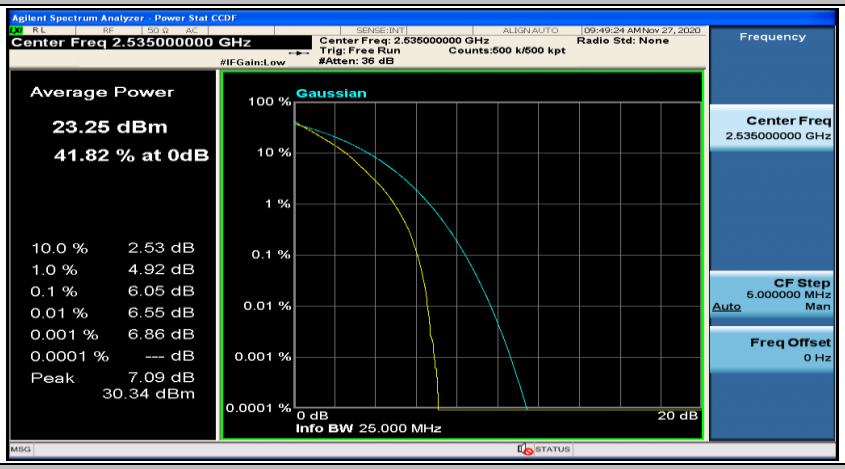

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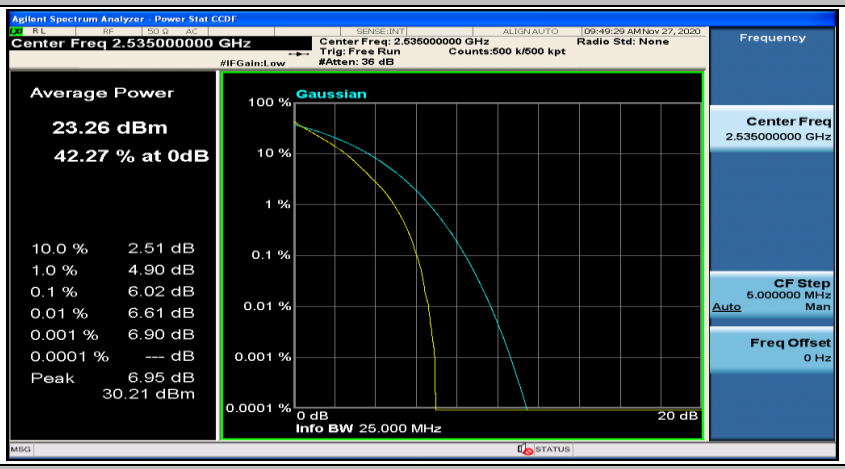

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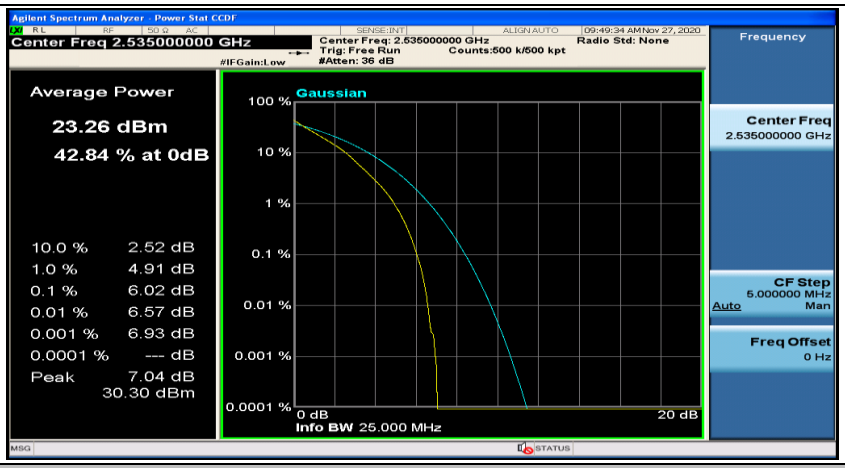

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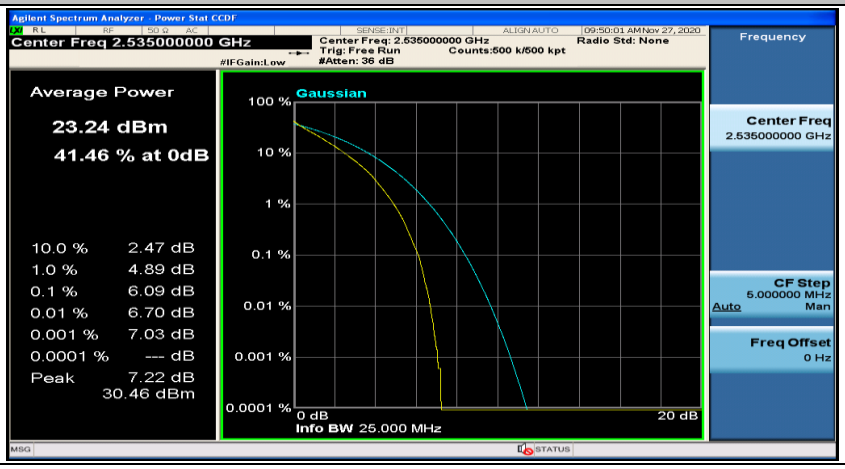

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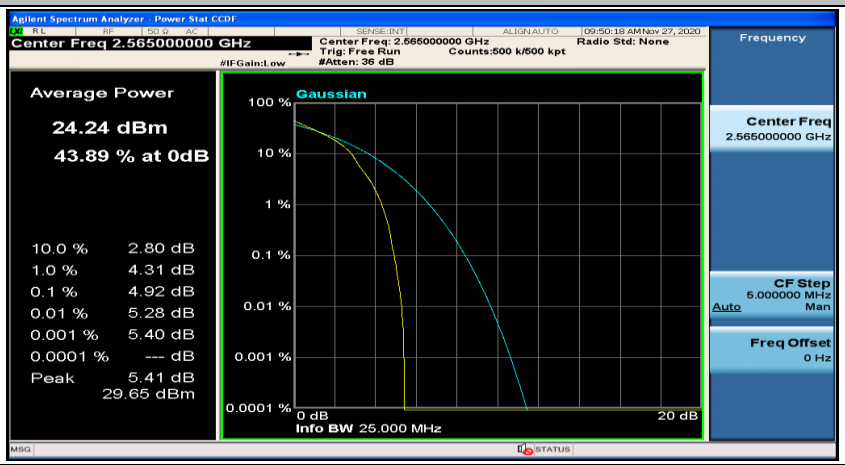
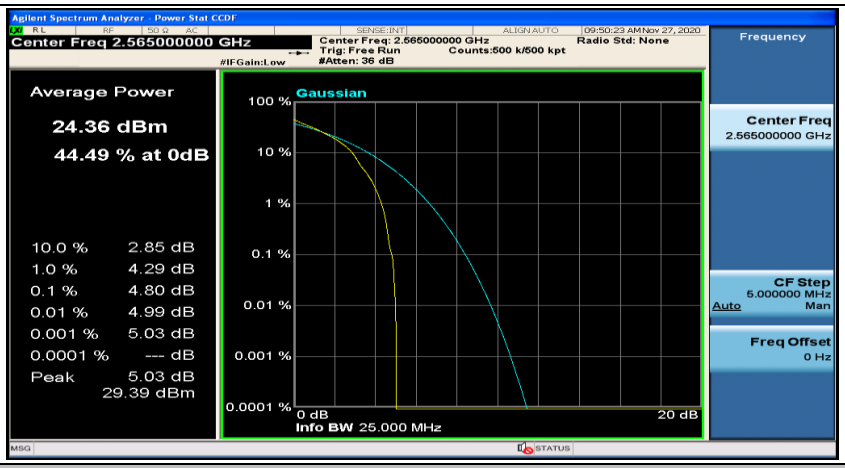


Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#24



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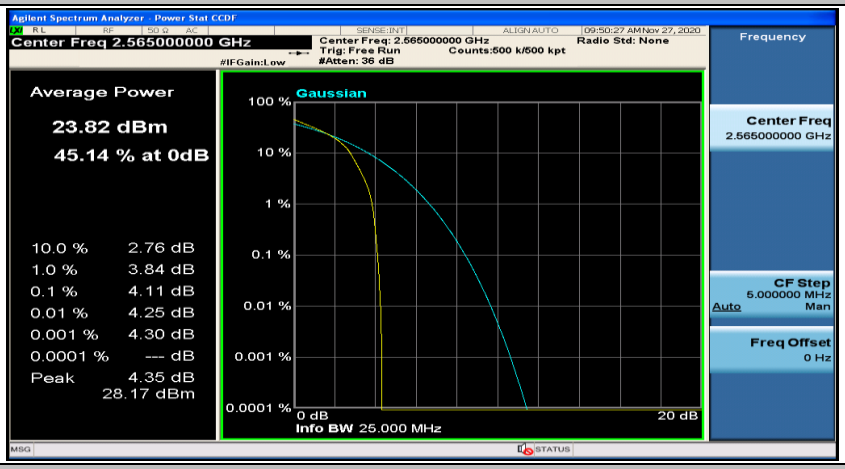

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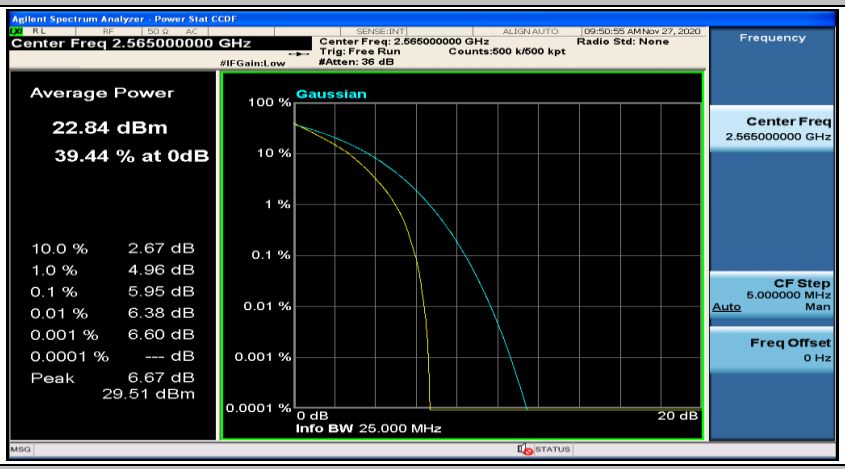
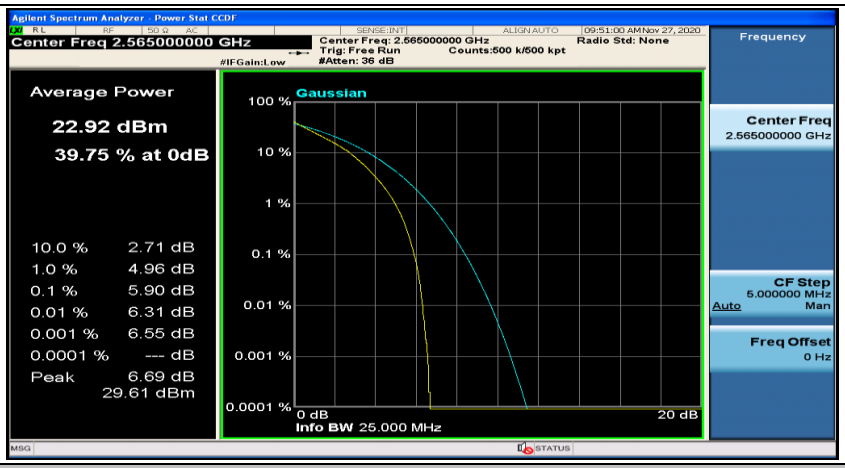
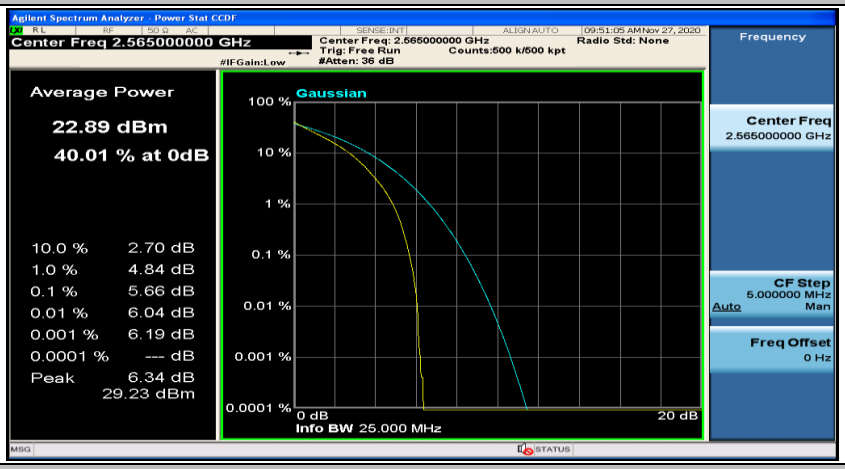


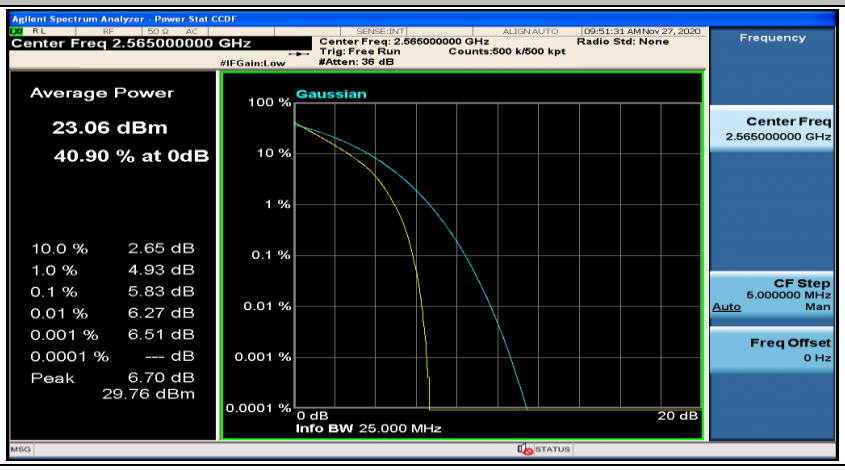
Channel Bandwidth: 10 MHz_HCH_QPSK_25RB#12



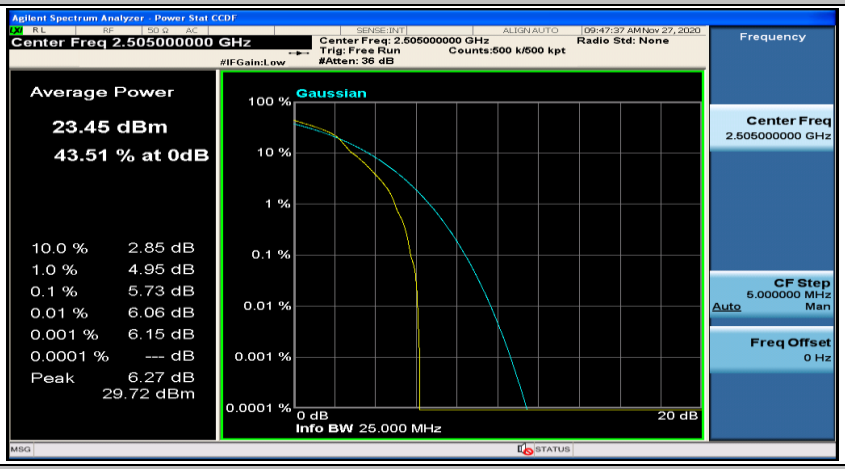
Channel Bandwidth: 10 MHz_HCH_QPSK_25RB#25



Channel Bandwidth: 10 MHz_HCH_QPSK_50RB#0



Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#0



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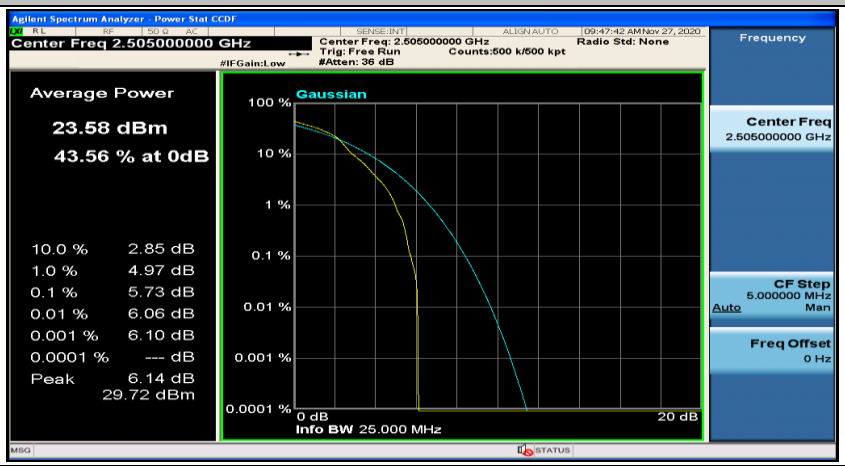

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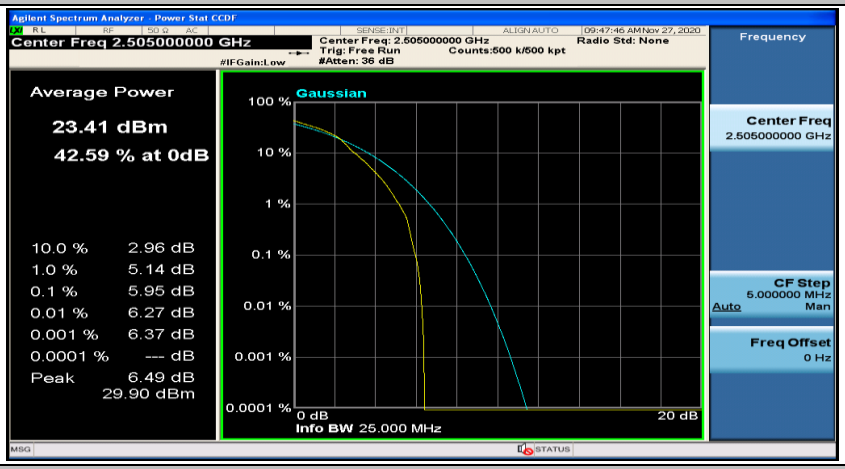
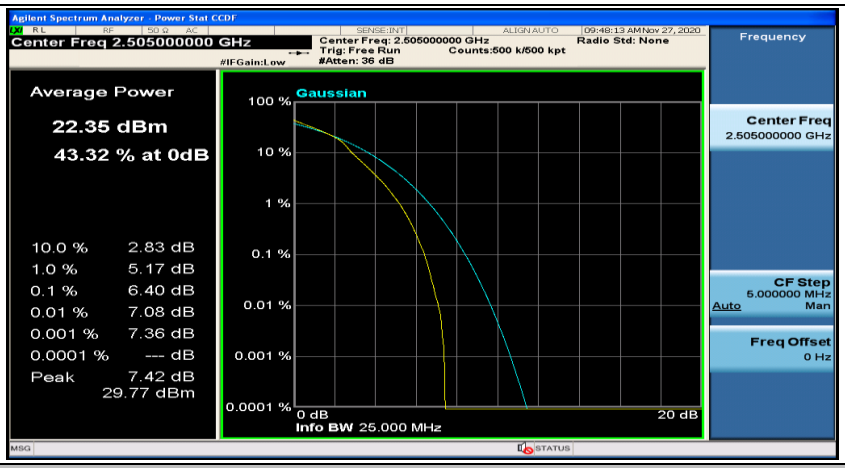
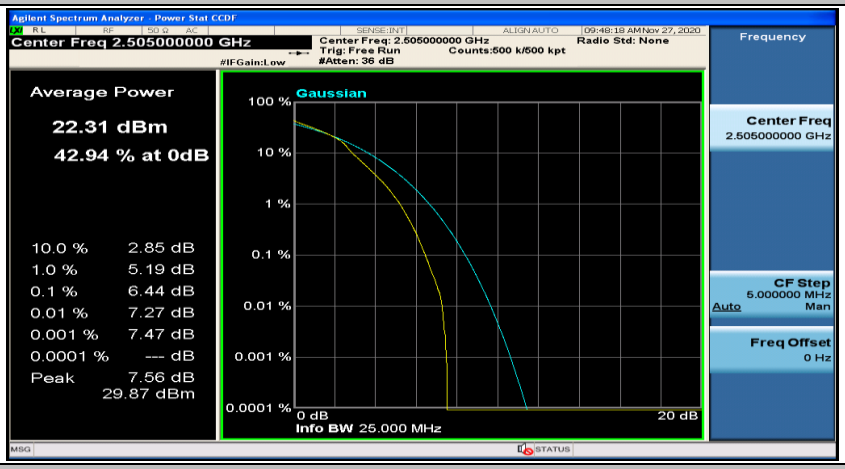


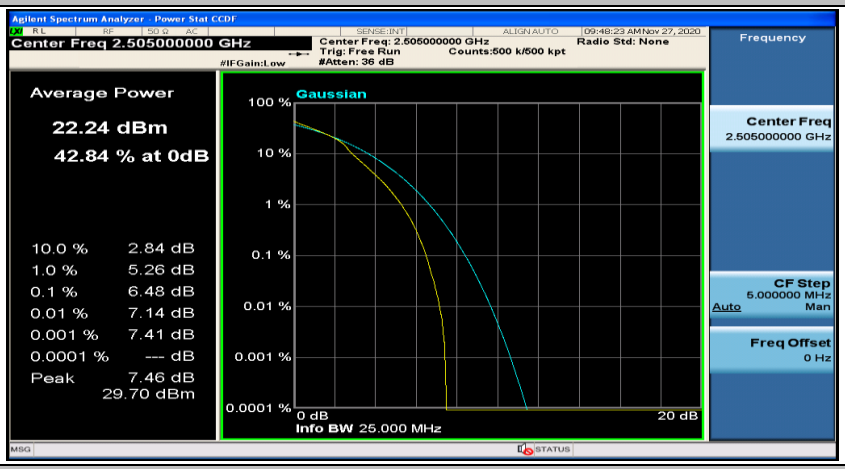
Channel Bandwidth: 10 MHz_LCH_16QAM_25RB#0



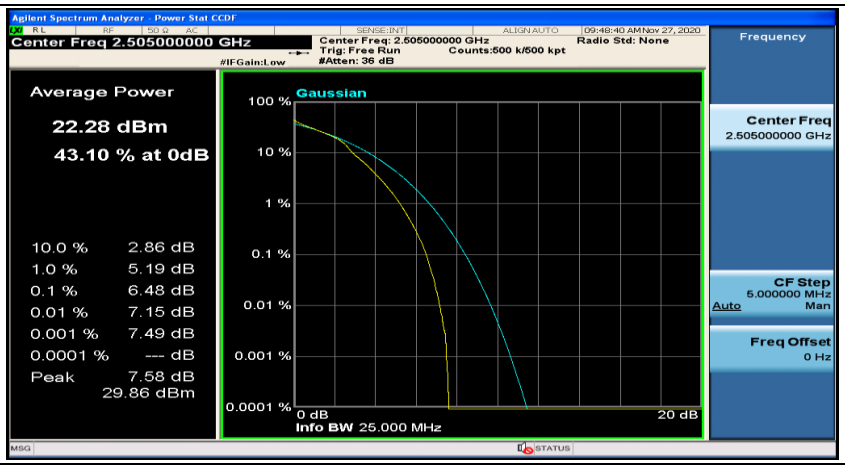
Channel Bandwidth: 10 MHz_LCH_16QAM_25RB#12



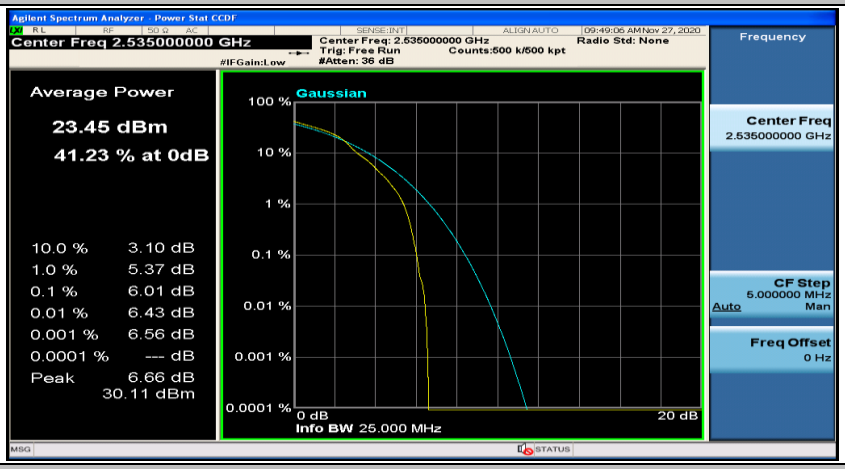
Channel Bandwidth: 10 MHz_LCH_16QAM_25RB#25



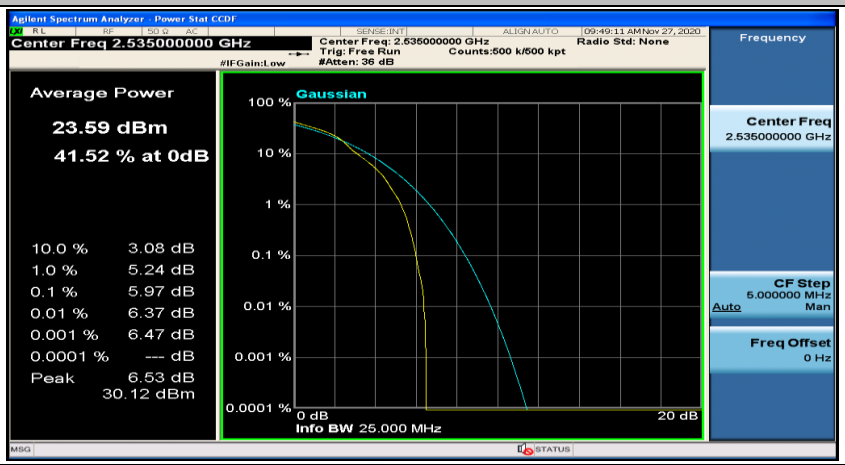
Channel Bandwidth: 10 MHz_LCH_16QAM_50RB#0



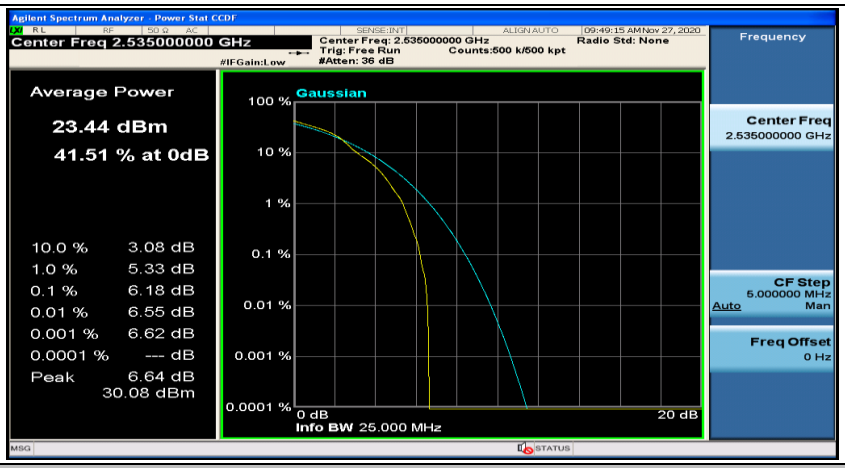
Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#0



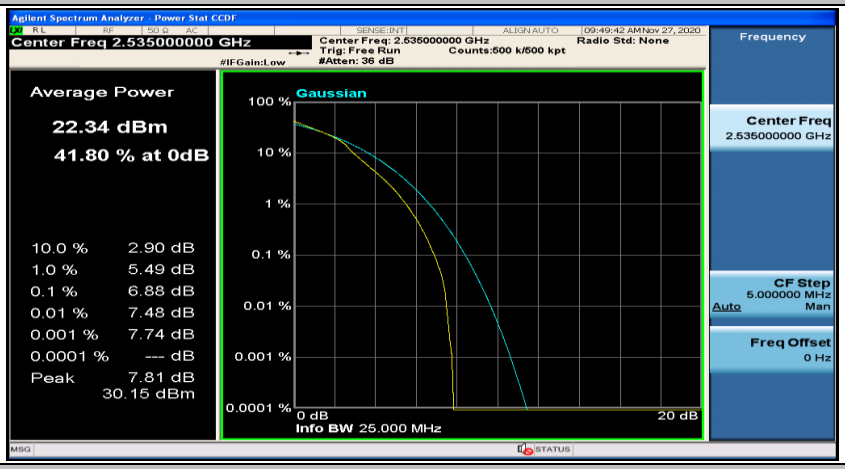
Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#24



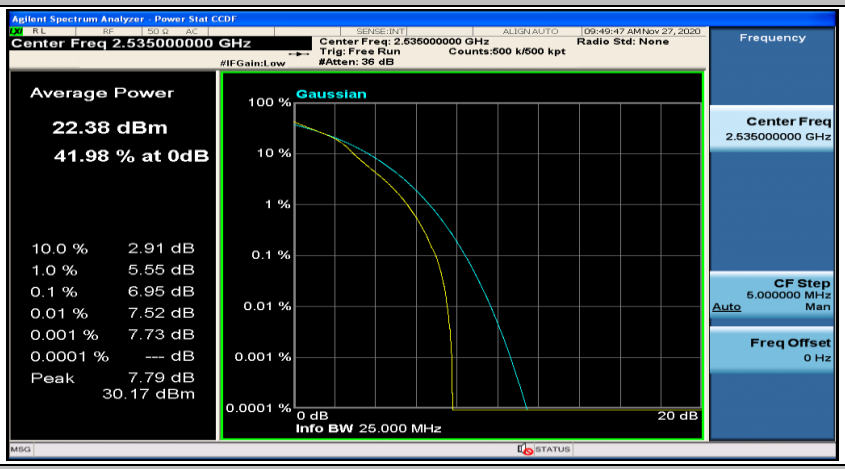
Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#49



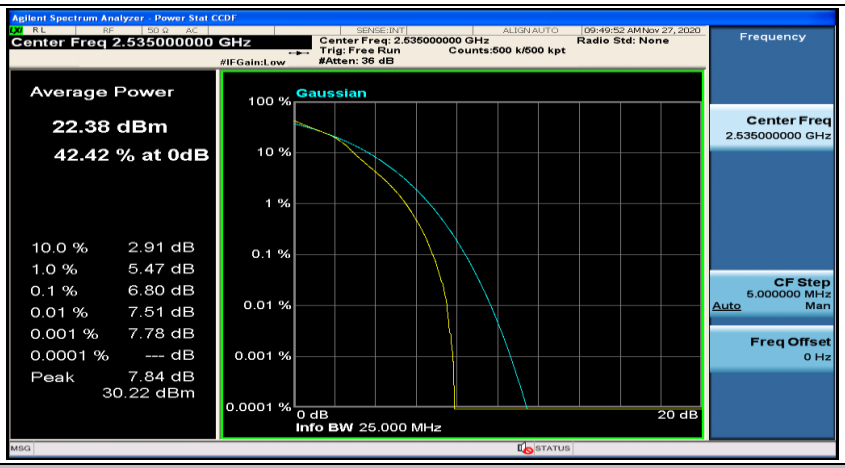
Channel Bandwidth: 10 MHz_MCH_16QAM_25RB#0



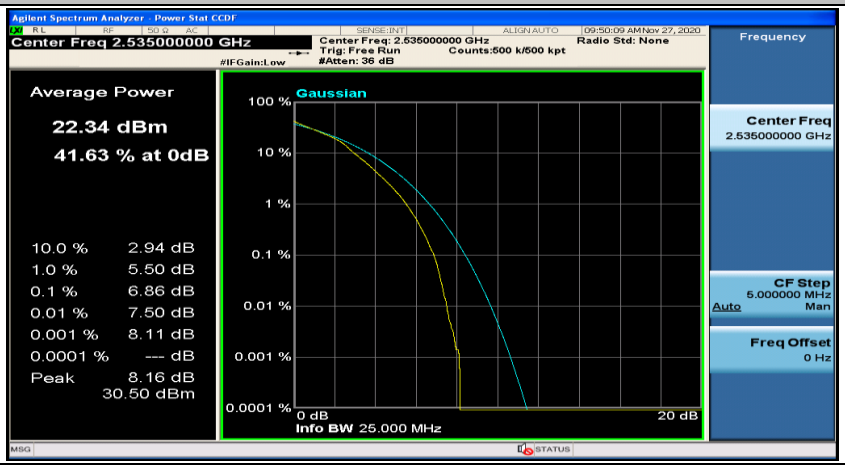
Channel Bandwidth: 10 MHz_MCH_16QAM_25RB#12



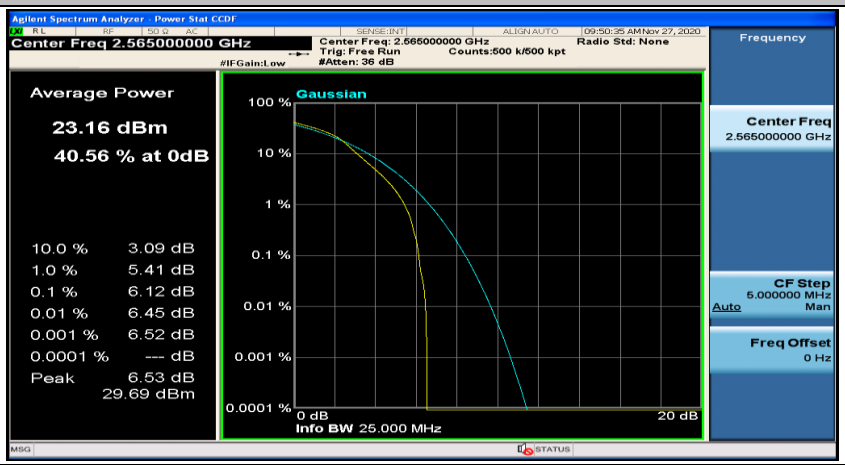
Channel Bandwidth: 10 MHz_MCH_16QAM_25RB#25



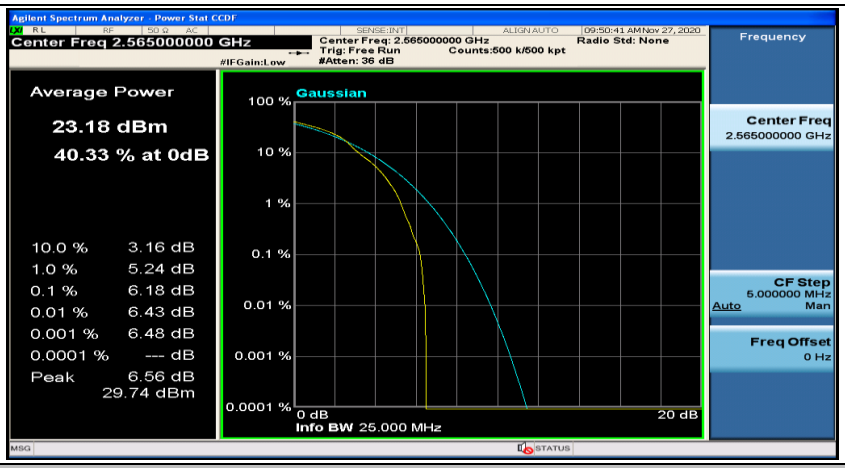
Channel Bandwidth: 10 MHz_MCH_16QAM_50RB#0



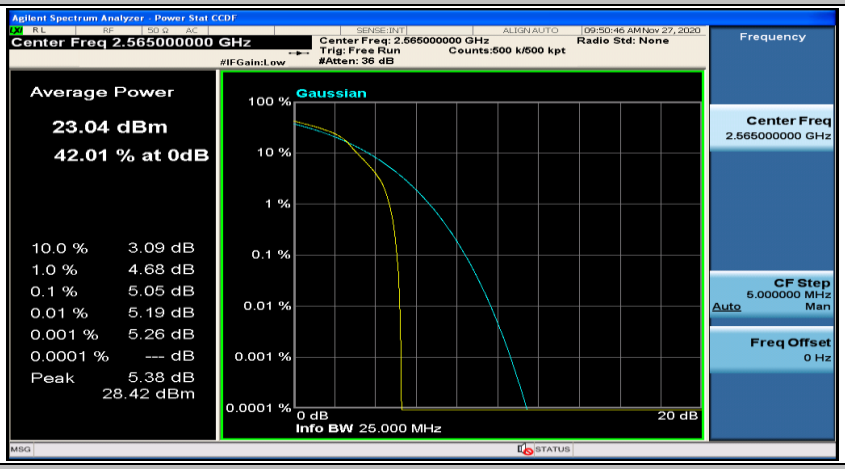
Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#0



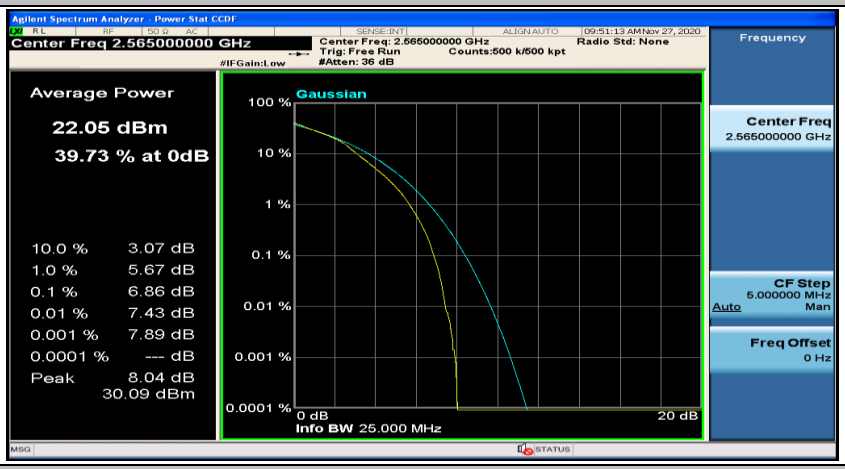
Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#24



Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#49



Channel Bandwidth: 10 MHz_HCH_16QAM_25RB#0



Channel Bandwidth: 10 MHz_HCH_16QAM_25RB#12