



Ban d4	10	20350	50	#0	16QAM	NV	50	2.49	0.00 1	-2.5	2.5	PAS S
Ban d4	15	20025	75	#0	QPSK	NV	-30	0.64	0.00 0	-2.5	2.5	PAS S
Ban d4	15	20025	75	#0	QPSK	NV	-20	-0.1 9	0.00 0	-2.5	2.5	PAS S
Ban d4	15	20025	75	#0	QPSK	NV	-10	-1.0 9	-0.0 01	-2.5	2.5	PAS S
Ban d4	15	20025	75	#0	QPSK	NV	0	0.43	0.00 0	-2.5	2.5	PAS S
Ban d4	15	20025	75	#0	QPSK	NV	10	0.00	0.00 0	-2.5	2.5	PAS S
Ban d4	15	20025	75	#0	QPSK	NV	20	0.00	0.00 0	-2.5	2.5	PAS S
Ban d4	15	20025	75	#0	QPSK	NV	30	0.00	0.00 0	-2.5	2.5	PAS S
Ban d4	15	20025	75	#0	QPSK	NV	40	0.00	0.00 0	-2.5	2.5	PAS S
Ban d4	15	20025	75	#0	QPSK	NV	50	0.00	0.00 0	-2.5	2.5	PAS S
Ban d4	15	20025	75	#0	16QAM	NV	-30	0.00	0.00 0	-2.5	2.5	PAS S
Ban d4	15	20025	75	#0	16QAM	NV	-20	0.00	0.00 0	-2.5	2.5	PAS S
Ban d4	15	20025	75	#0	16QAM	NV	-10	0.00	0.00 0	-2.5	2.5	PAS S
Ban d4	15	20025	75	#0	16QAM	NV	0	0.00	0.00 0	-2.5	2.5	PAS S
Ban d4	15	20025	75	#0	16QAM	NV	10	0.00	0.00 0	-2.5	2.5	PAS S
Ban d4	15	20025	75	#0	16QAM	NV	20	0.00	0.00 0	-2.5	2.5	PAS S
Ban d4	15	20025	75	#0	16QAM	NV	30	0.00	0.00 0	-2.5	2.5	PAS S
Ban d4	15	20025	75	#0	16QAM	NV	40	-0.6 0	0.00 0	-2.5	2.5	PAS S
Ban d4	15	20025	75	#0	16QAM	NV	50	0.00	0.00 0	-2.5	2.5	PAS S
Ban d4	15	20175	75	#0	QPSK	NV	-30	-0.8 0	0.00 0	-2.5	2.5	PAS S
Ban d4	15	20175	75	#0	QPSK	NV	-20	-0.5 7	0.00 0	-2.5	2.5	PAS S
Ban d4	15	20175	75	#0	QPSK	NV	-10	-0.6 7	0.00 0	-2.5	2.5	PAS S



Ban d4	15	20175	75	#0	QPSK	NV	0	-0.9 9	-0.0 01	-2.5	2.5	PAS S
Ban d4	15	20175	75	#0	QPSK	NV	10	-0.7 9	0.00 0	-2.5	2.5	PAS S
Ban d4	15	20175	75	#0	QPSK	NV	20	-1.1 9	-0.0 01	-2.5	2.5	PAS S
Ban d4	15	20175	75	#0	QPSK	NV	30	-0.4 0	0.00 0	-2.5	2.5	PAS S
Ban d4	15	20175	75	#0	QPSK	NV	40	-0.3 0	0.00 0	-2.5	2.5	PAS S
Ban d4	15	20175	75	#0	QPSK	NV	50	-0.9 0	-0.0 01	-2.5	2.5	PAS S
Ban d4	15	20175	75	#0	16QAM	NV	-30	0.46	0.00 0	-2.5	2.5	PAS S
Ban d4	15	20175	75	#0	16QAM	NV	-20	0.20	0.00 0	-2.5	2.5	PAS S
Ban d4	15	20175	75	#0	16QAM	NV	-10	-1.1 9	-0.0 01	-2.5	2.5	PAS S
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Ban d4	15	20175	75	#0	16QAM	NV	10	-0.2 9	0.00 0	-2.5	2.5	PAS S
Ban d4	15	20175	75	#0	16QAM	NV	20	-0.2 6	0.00 0	-2.5	2.5	PAS S
Ban d4	15	20175	75	#0	16QAM	NV	30	-0.9 3	-0.0 01	-2.5	2.5	PAS S
Ban d4	15	20175	75	#0	16QAM	NV	40	-0.2 9	0.00 0	-2.5	2.5	PAS S
Ban d4	15	20175	75	#0	16QAM	NV	50	0.03	0.00 0	-2.5	2.5	PAS S
Ban d4	15	20325	75	#0	QPSK	NV	-30	-0.8 0	0.00 0	-2.5	2.5	PAS S
Ban d4	15	20325	75	#0	QPSK	NV	-20	-0.7 2	0.00 0	-2.5	2.5	PAS S
Ban d4	15	20325	75	#0	QPSK	NV	-10	-1.0 7	-0.0 01	-2.5	2.5	PAS S
Ban d4	15	20325	75	#0	QPSK	NV	0	-0.7 3	0.00 0	-2.5	2.5	PAS S
Ban d4	15	20325	75	#0	QPSK	NV	10	-1.6 5	-0.0 01	-2.5	2.5	PAS S
Ban d4	15	20325	75	#0	QPSK	NV	20	-1.1 3	-0.0 01	-2.5	2.5	PAS S
Ban d4	15	20325	75	#0	QPSK	NV	30	-1.1 6	-0.0 01	-2.5	2.5	PAS S



Ban d4	15	20325	75	#0	QPSK	NV	40	-1.4 6	-0.0 01	-2.5	2.5	PAS S
Ban d4	15	20325	75	#0	QPSK	NV	50	-1.3 9	-0.0 01	-2.5	2.5	PAS S
Ban d4	15	20325	75	#0	16QAM	NV	-30	-1.0 3	-0.0 01	-2.5	2.5	PAS S
Ban d4	15	20325	75	#0	16QAM	NV	-20	-1.0 9	-0.0 01	-2.5	2.5	PAS S
Ban d4	15	20325	75	#0	16QAM	NV	-10	-1.8 2	-0.0 01	-2.5	2.5	PAS S
Ban d4	15	20325	75	#0	16QAM	NV	0	-1.3 0	-0.0 01	-2.5	2.5	PAS S
Ban d4	15	20325	75	#0	16QAM	NV	10	-1.6 0	-0.0 01	-2.5	2.5	PAS S
Ban d4	15	20325	75	#0	16QAM	NV	20	-1.0 9	-0.0 01	-2.5	2.5	PAS S
Ban d4	15	20325	75	#0	16QAM	NV	30	-1.3 3	-0.0 01	-2.5	2.5	PAS S
Ban d4	15	20325	75	#0	16QAM	NV	40	-1.5 3	-0.0 01	-2.5	2.5	PAS S
Ban d4	15	20325	75	#0	16QAM	NV	50	-1.8 5	-0.0 01	-2.5	2.5	PAS S
Ban d4	20	20050	10 0	#0	QPSK	NV	-30	0.19	0.00 0	-2.5	2.5	PAS S
Ban d4	20	20050	10 0	#0	QPSK	NV	-20	1.90	0.00 1	-2.5	2.5	PAS S
Ban d4	20	20050	10 0	#0	QPSK	NV	-10	0.67	0.00 0	-2.5	2.5	PAS S
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Ban d4	20	20050	10 0	#0	QPSK	NV	10	2.07	0.00 1	-2.5	2.5	PAS S
Ban d4	20	20050	10 0	#0	QPSK	NV	20	1.42	0.00 1	-2.5	2.5	PAS S
Ban d4	20	20050	10 0	#0	QPSK	NV	30	1.40	0.00 1	-2.5	2.5	PAS S
Ban d4	20	20050	10 0	#0	QPSK	NV	40	0.67	0.00 0	-2.5	2.5	PAS S
Ban d4	20	20050	10 0	#0	QPSK	NV	50	0.60	0.00 0	-2.5	2.5	PAS S
Ban d4	20	20050	10 0	#0	16QAM	NV	-30	1.52	0.00 1	-2.5	2.5	PAS S
Ban d4	20	20050	10 0	#0	16QAM	NV	-20	0.51	0.00 0	-2.5	2.5	PAS S

Ban d4	20	20050	10 0	#0	16QAM	NV	-10	1.09	0.00 1	-2.5	2.5	PAS S
Ban d4	20	20050	10 0	#0	16QAM	NV	0	0.83	0.00 0	-2.5	2.5	PAS S
Ban d4	20	20050	10 0	#0	16QAM	NV	10	0.69	0.00 0	-2.5	2.5	PAS S
Ban d4	20	20050	10 0	#0	16QAM	NV	20	1.02	0.00 1	-2.5	2.5	PAS S
Ban d4	20	20050	10 0	#0	16QAM	NV	30	0.54	0.00 0	-2.5	2.5	PAS S
Ban d4	20	20050	10 0	#0	16QAM	NV	40	1.50	0.00 1	-2.5	2.5	PAS S
Ban d4	20	20050	10 0	#0	16QAM	NV	50	0.76	0.00 0	-2.5	2.5	PAS S
Ban d4	20	20175	10 0	#0	QPSK	NV	-30	-0.3 9	0.00 0	-2.5	2.5	PAS S
Ban d4	20	20175	10 0	#0	QPSK	NV	-20	-0.4 0	0.00 0	-2.5	2.5	PAS S
Ban d4	20	20175	10 0	#0	QPSK	NV	-10	-0.7 0	0.00 0	-2.5	2.5	PAS S
Ban d4	20	20175	10 0	#0	QPSK	NV	0	-0.6 3	0.00 0	-2.5	2.5	PAS S
Ban d4	20	20175	10 0	#0	QPSK	NV	10	0.41	0.00 0	-2.5	2.5	PAS S
Ban d4	20	20175	10 0	#0	QPSK	NV	20	0.72	0.00 0	-2.5	2.5	PAS S
Ban d4	20	20175	10 0	#0	QPSK	NV	30	0.33	0.00 0	-2.5	2.5	PAS S
Ban d4	20	20175	10 0	#0	QPSK	NV	40	-1.1 3	-0.0 01	-2.5	2.5	PAS S
Ban d4	20	20175	10 0	#0	QPSK	NV	50	0.00	0.00 0	-2.5	2.5	PAS S
Ban d4	20	20175	10 0	#0	16QAM	NV	-30	-0.5 4	0.00 0	-2.5	2.5	PAS S
Ban d4	20	20175	10 0	#0	16QAM	NV	-20	-1.0 4	-0.0 01	-2.5	2.5	PAS S
Ban d4	20	20175	10 0	#0	16QAM	NV	-10	-0.4 0	0.00 0	-2.5	2.5	PAS S
Ban d4	20	20175	10 0	#0	16QAM	NV	0	-0.0 4	0.00 0	-2.5	2.5	PAS S
Ban d4	20	20175	10 0	#0	16QAM	NV	10	-0.5 1	0.00 0	-2.5	2.5	PAS S
Ban d4	20	20175	10 0	#0	16QAM	NV	20	-0.9 7	-0.0 01	-2.5	2.5	PAS S



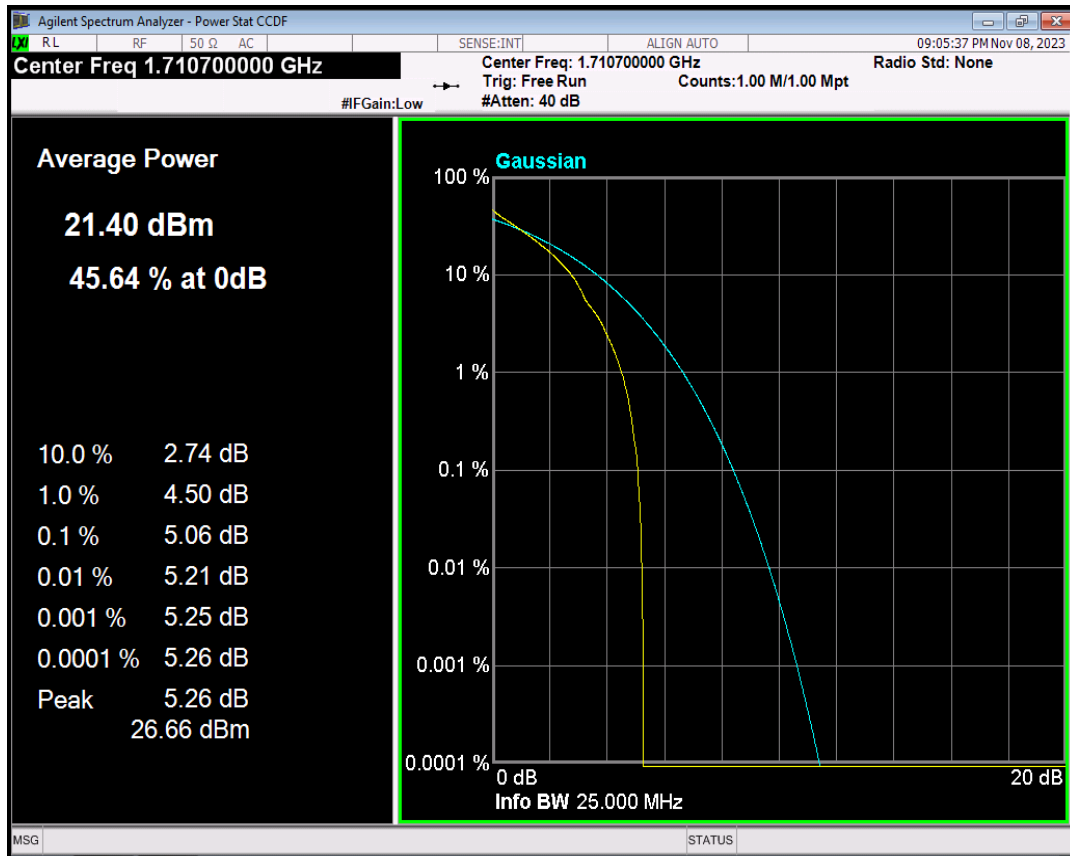
Ban d4	20	20175	10 0	#0	16QAM	NV	30	0.97	0.00 1	-2.5	2.5	PAS S
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Ban d4	20	20175	10 0	#0	16QAM	NV	50	-0.1 3	0.00 0	-2.5	2.5	PAS S
Ban d4	20	20300	10 0	#0	QPSK	NV	-30	-3.0 0	-0.0 02	-2.5	2.5	PAS S
Ban d4	20	20300	10 0	#0	QPSK	NV	-20	-4.8 2	-0.0 03	-2.5	2.5	PAS S
Ban d4	20	20300	10 0	#0	QPSK	NV	-10	-3.6 0	-0.0 02	-2.5	2.5	PAS S
Ban d4	20	20300	10 0	#0	QPSK	NV	0	-2.9 8	-0.0 02	-2.5	2.5	PAS S
Ban d4	20	20300	10 0	#0	QPSK	NV	10	-3.2 0	-0.0 02	-2.5	2.5	PAS S
Ban d4	20	20300	10 0	#0	QPSK	NV	20	-3.7 2	-0.0 02	-2.5	2.5	PAS S
Ban d4	20	20300	10 0	#0	QPSK	NV	30	-2.9 3	-0.0 02	-2.5	2.5	PAS S
Ban d4	20	20300	10 0	#0	QPSK	NV	40	-3.4 8	-0.0 02	-2.5	2.5	PAS S
Ban d4	20	20300	10 0	#0	QPSK	NV	50	-4.6 6	-0.0 03	-2.5	2.5	PAS S
Ban d4	20	20300	10 0	#0	16QAM	NV	-30	-3.2 6	-0.0 02	-2.5	2.5	PAS S
Ban d4	20	20300	10 0	#0	16QAM	NV	-20	-3.0 9	-0.0 02	-2.5	2.5	PAS S
Ban d4	20	20300	10 0	#0	16QAM	NV	-10	-3.1 0	-0.0 02	-2.5	2.5	PAS S
Ban d4	20	20300	10 0	#0	16QAM	NV	0	-3.0 6	-0.0 02	-2.5	2.5	PAS S
Ban d4	20	20300	10 0	#0	16QAM	NV	10	-2.5 9	-0.0 01	-2.5	2.5	PAS S
Ban d4	20	20300	10 0	#0	16QAM	NV	20	-2.9 8	-0.0 02	-2.5	2.5	PAS S
Ban d4	20	20300	10 0	#0	16QAM	NV	30	-3.2 0	-0.0 02	-2.5	2.5	PAS S
Ban d4	20	20300	10 0	#0	16QAM	NV	40	-3.7 9	-0.0 02	-2.5	2.5	PAS S
Ban d4	20	20300	10 0	#0	16QAM	NV	50	-2.6 6	-0.0 02	-2.5	2.5	PAS S

Appendix 3. Peak-to-Average Ratio

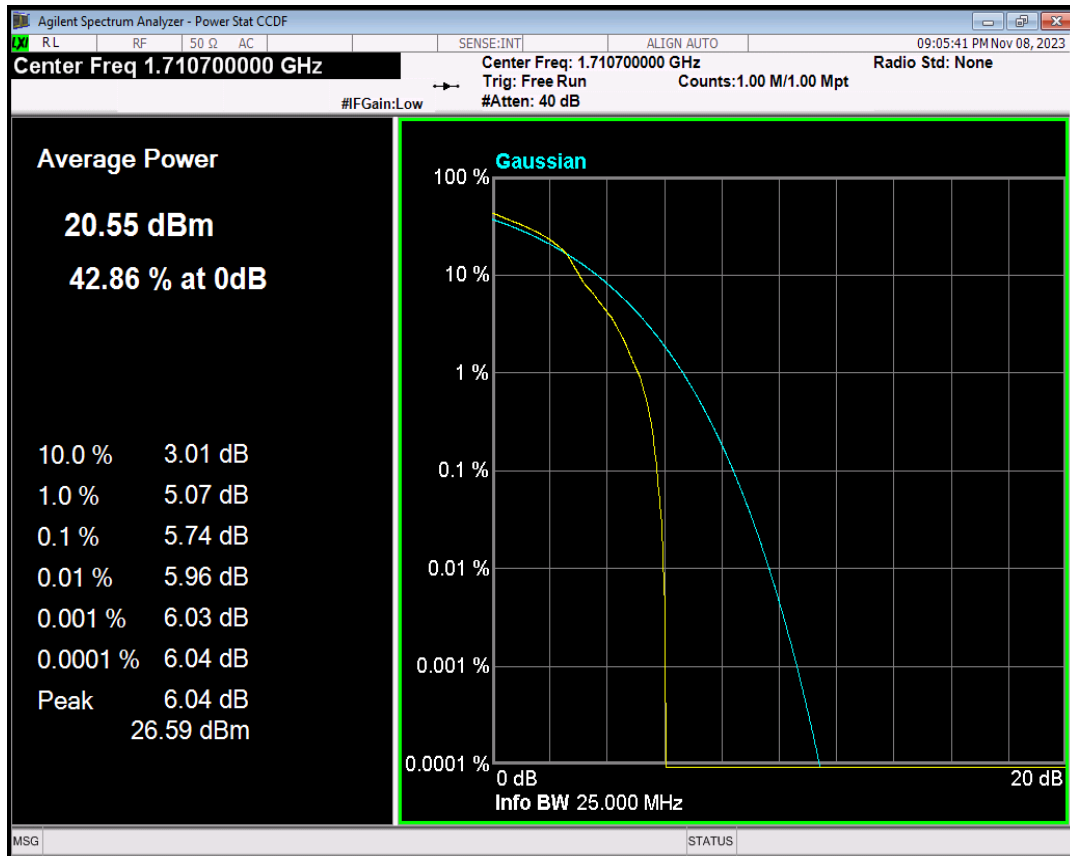
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Result (dB)	high Limit (dB)	Verdict
Band4	1.4	19957	1	#0	QPSK	5.06	13	PASS
Band4	1.4	19957	1	#0	16QAM	5.74	13	PASS
Band4	1.4	20175	1	#0	QPSK	5.04	13	PASS
Band4	1.4	20175	1	#0	16QAM	5.86	13	PASS
Band4	1.4	20393	1	#0	QPSK	5.62	13	PASS
Band4	1.4	20393	1	#0	16QAM	6.58	13	PASS
Band4	3	19965	1	#0	QPSK	5.07	13	PASS
Band4	3	19965	1	#0	16QAM	5.99	13	PASS
Band4	3	20175	1	#0	QPSK	4.91	13	PASS
Band4	3	20175	1	#0	16QAM	5.88	13	PASS
Band4	3	20385	1	#0	QPSK	5.54	13	PASS
Band4	3	20385	1	#0	16QAM	6.14	13	PASS
Band4	5	19975	1	#0	QPSK	5.15	13	PASS
Band4	5	19975	1	#0	16QAM	5.87	13	PASS
Band4	5	20175	1	#0	QPSK	4.85	13	PASS
Band4	5	20175	1	#0	16QAM	5.52	13	PASS
Band4	5	20375	1	#0	QPSK	5.72	13	PASS
Band4	5	20375	1	#0	16QAM	6.40	13	PASS
Band4	10	20000	1	#0	QPSK	5.09	13	PASS
Band4	10	20000	1	#0	16QAM	5.95	13	PASS
Band4	10	20175	1	#0	QPSK	4.90	13	PASS
Band4	10	20175	1	#0	16QAM	5.91	13	PASS
Band4	10	20350	1	#0	QPSK	5.39	13	PASS
Band4	10	20350	1	#0	16QAM	6.06	13	PASS
Band4	15	20025	1	#0	QPSK	5.11	13	PASS
Band4	15	20025	1	#0	16QAM	6.00	13	PASS
Band4	15	20175	1	#0	QPSK	5.14	13	PASS
Band4	15	20175	1	#0	16QAM	6.11	13	PASS
Band4	15	20325	1	#0	QPSK	5.16	13	PASS
Band4	15	20325	1	#0	16QAM	5.79	13	PASS
Band4	20	20050	1	#0	QPSK	5.10	13	PASS
Band4	20	20050	1	#0	16QAM	5.79	13	PASS
Band4	20	20175	1	#0	QPSK	5.52	13	PASS
Band4	20	20175	1	#0	16QAM	6.67	13	PASS
Band4	20	20300	1	#0	QPSK	4.92	13	PASS
Band4	20	20300	1	#0	16QAM	5.94	13	PASS



Band4 QPSK BW=1.4MHz Channel=19957 RB Size=1 Position=#0

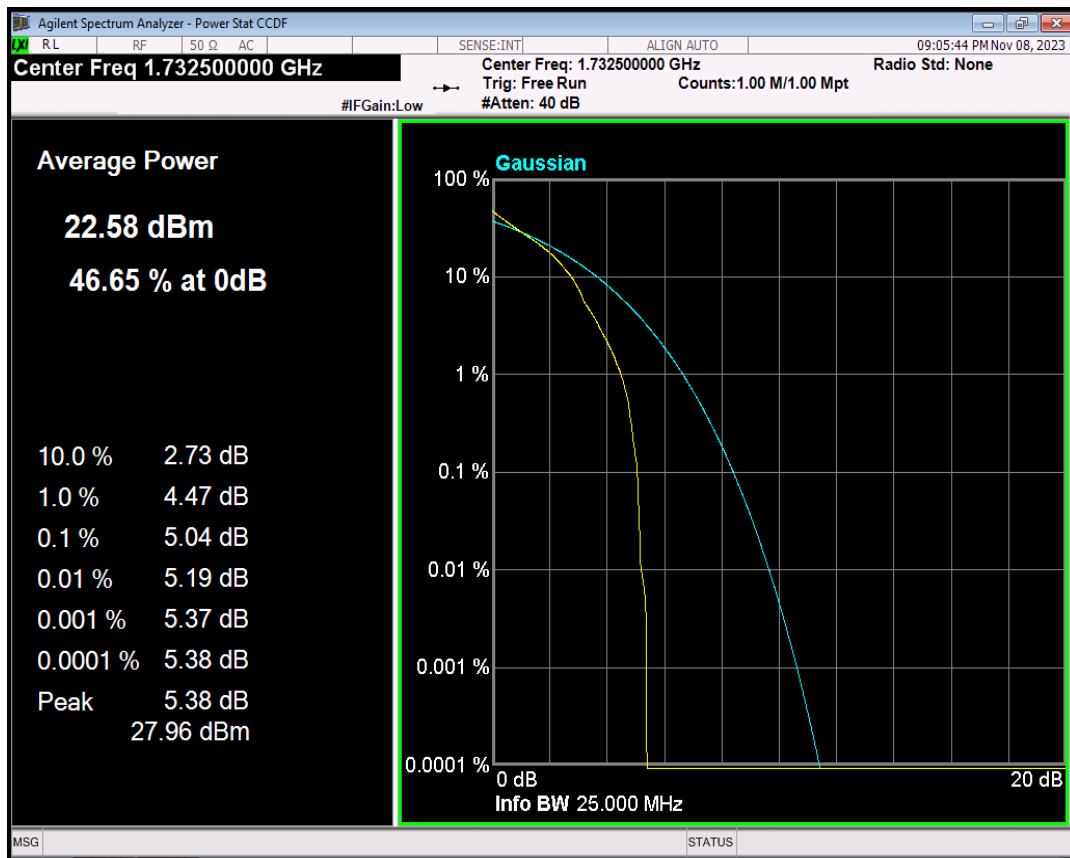


Band4 16QAM BW=1.4MHz Channel=19957 RB Size=1 Position=#0

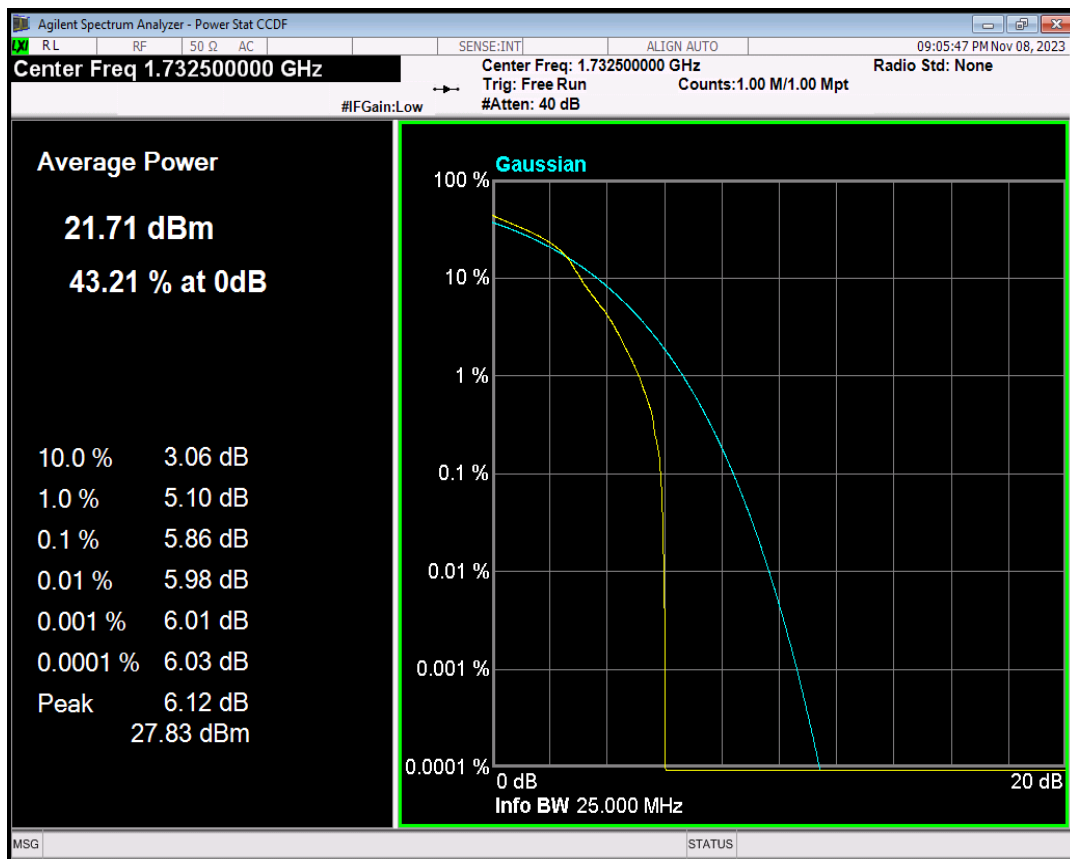




Band4 QPSK BW=1.4MHz Channel=20175 RB Size=1 Position=#0

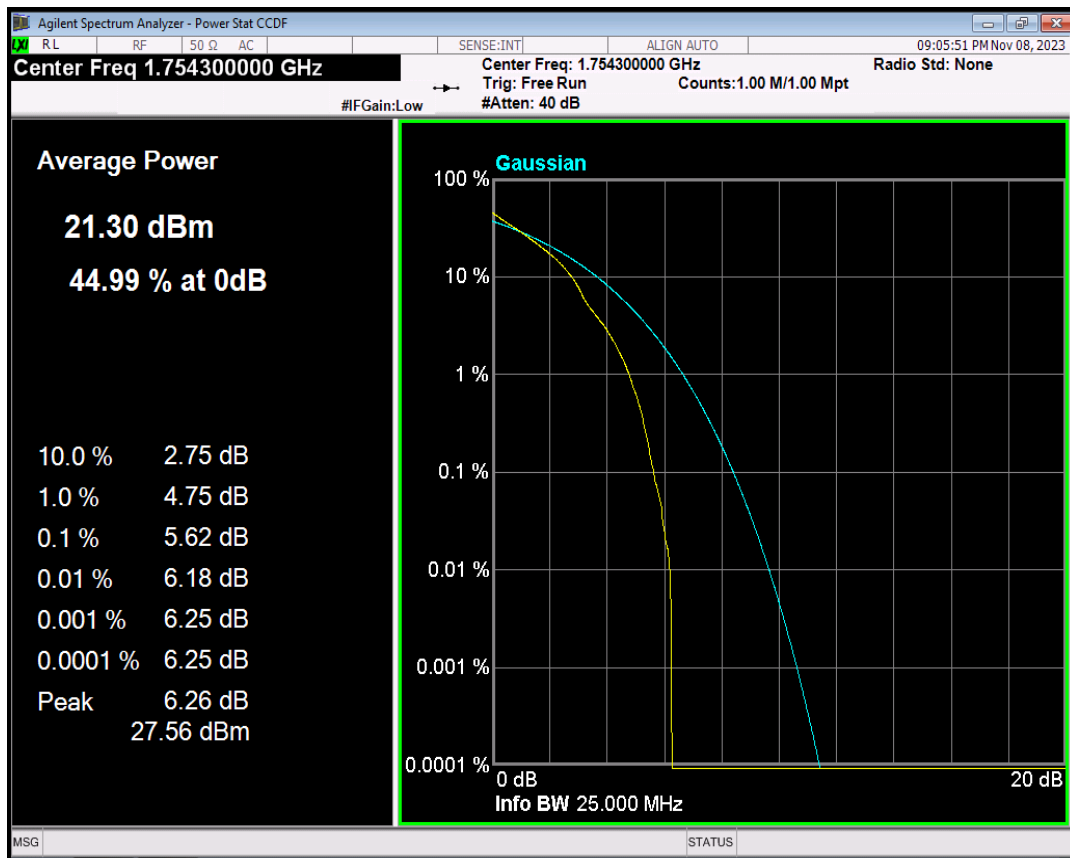


Band4 16QAM BW=1.4MHz Channel=20175 RB Size=1 Position=#0

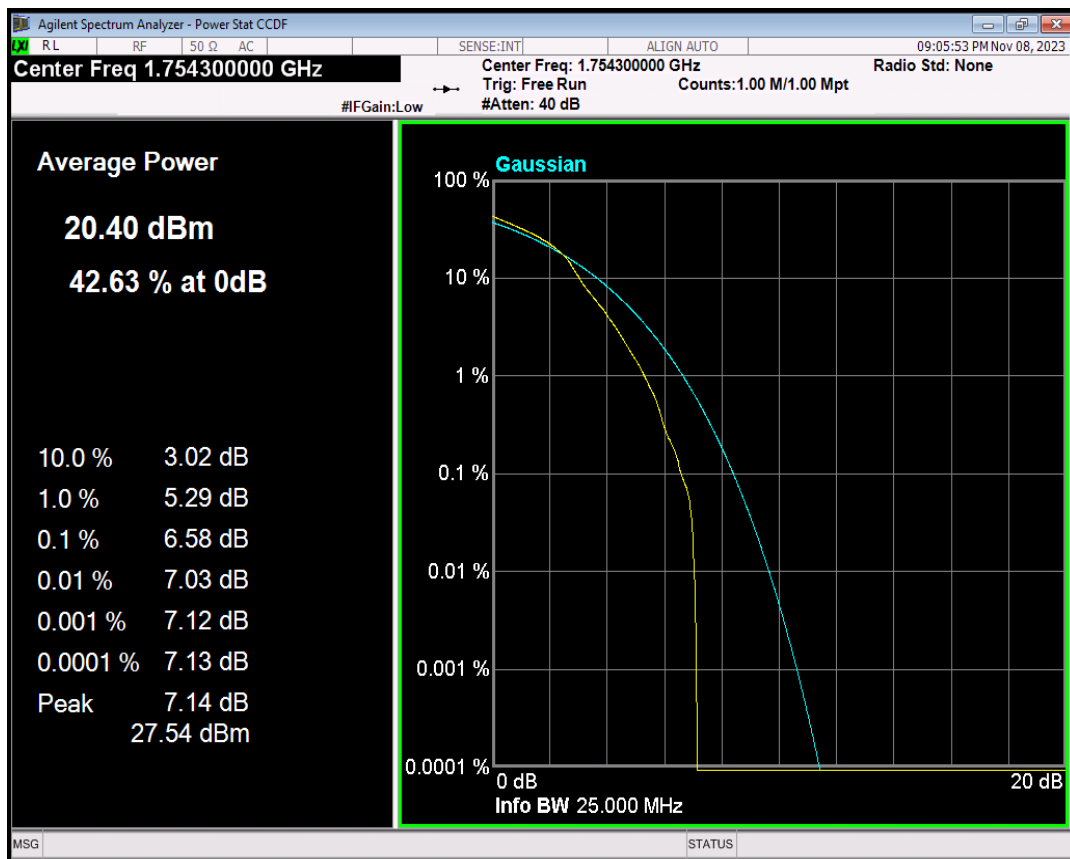




Band4 QPSK BW=1.4MHz Channel=20393 RB Size=1 Position=#0

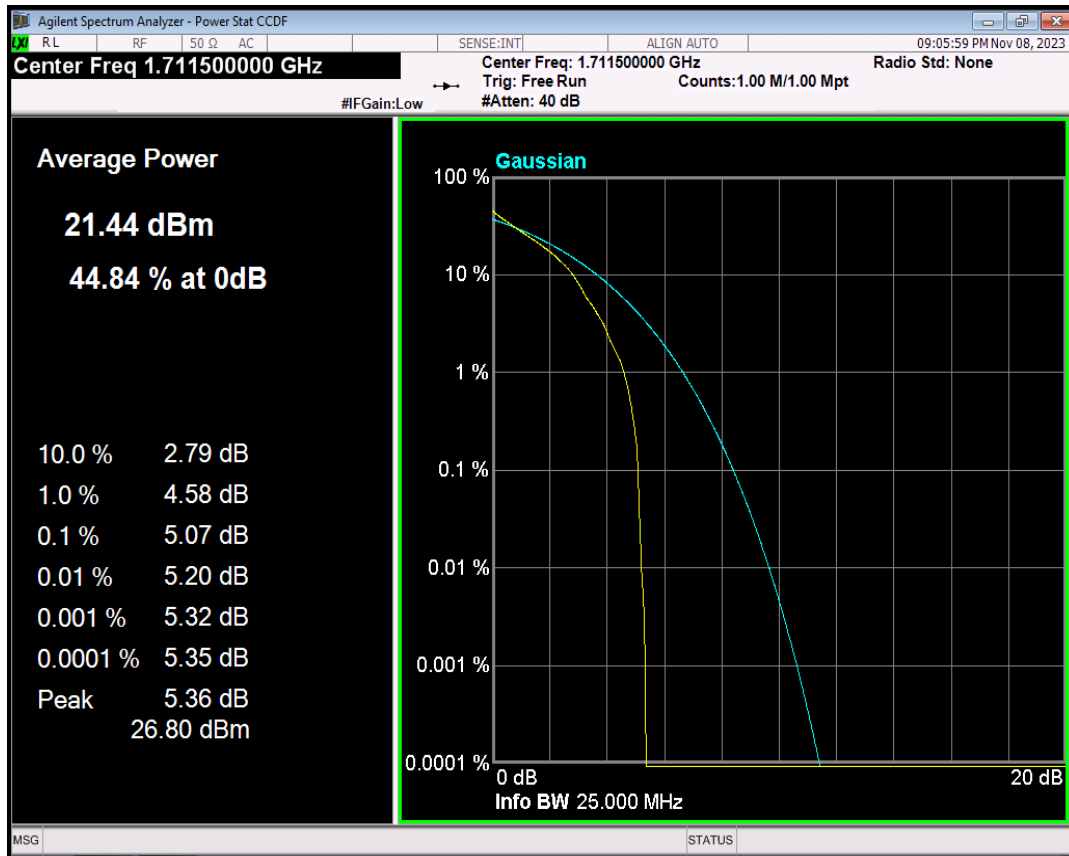


Band4 16QAM BW=1.4MHz Channel=20393 RB Size=1 Position=#0

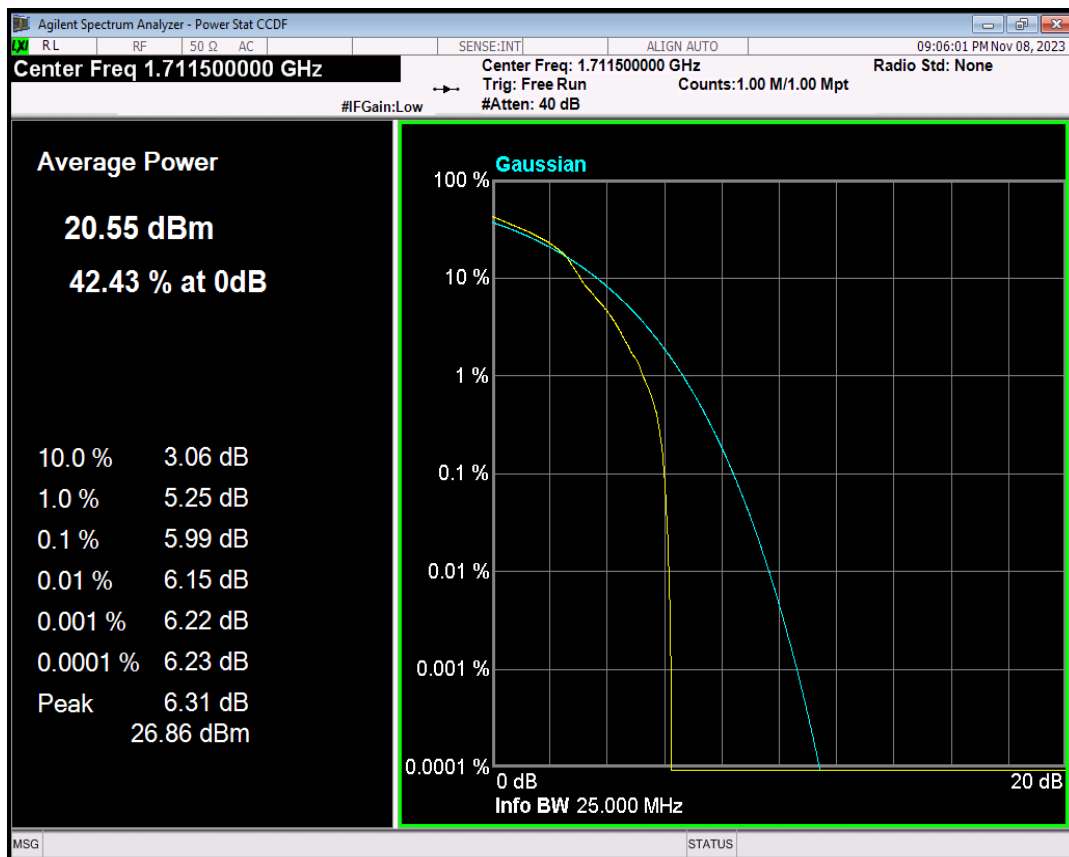




Band4 QPSK BW=3MHz Channel=19965 RB Size=1 Position=#0

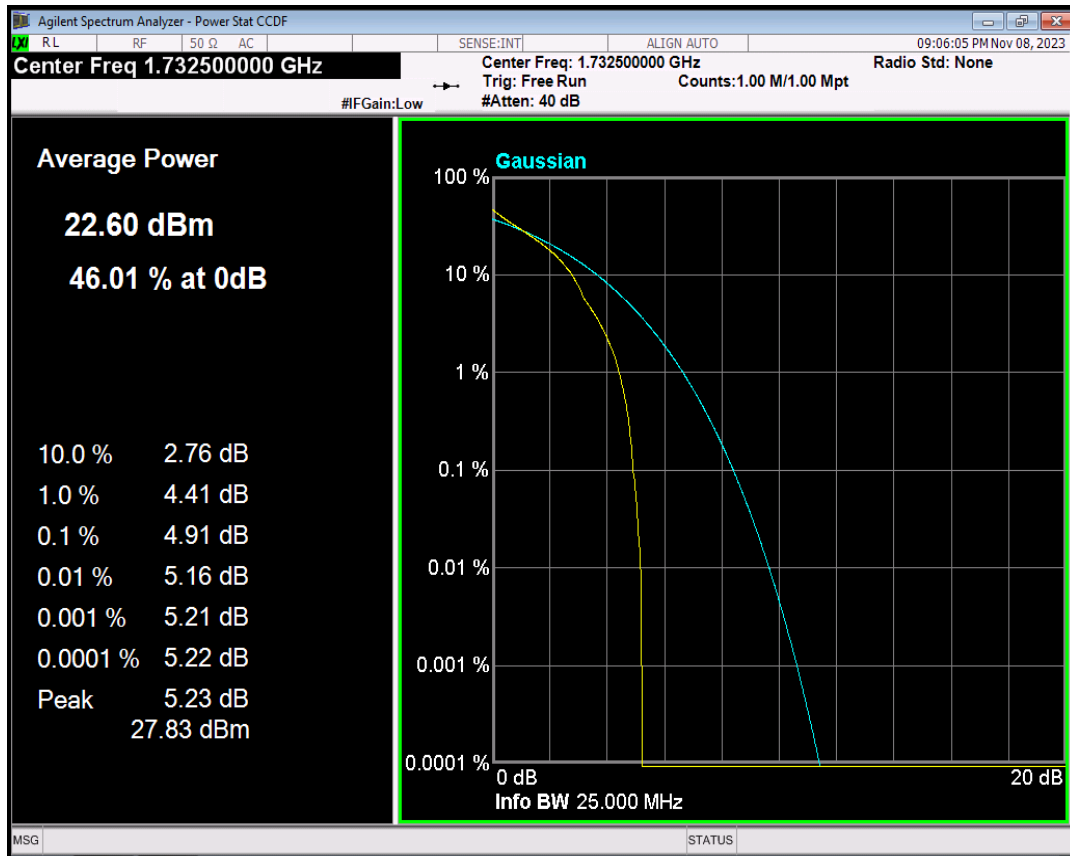


Band4 16QAM BW=3MHz Channel=19965 RB Size=1 Position=#0

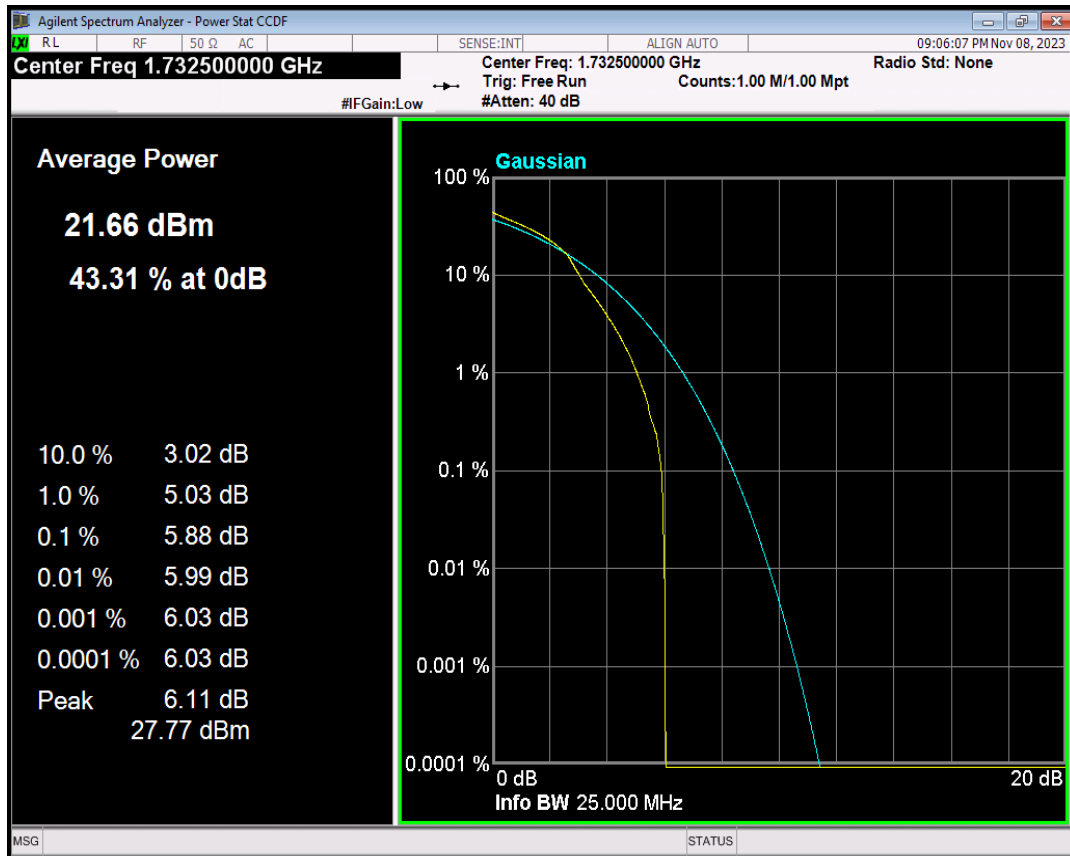




Band4 QPSK BW=3MHz Channel=20175 RB Size=1 Position=#0

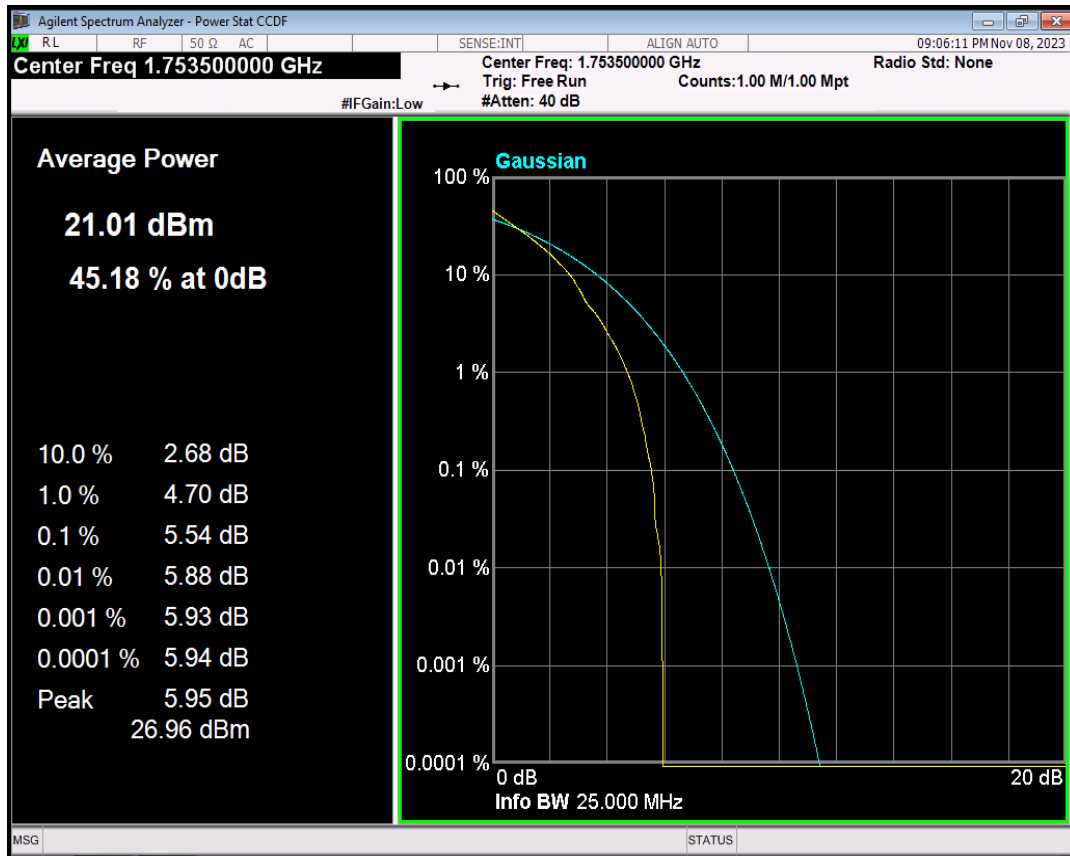


Band4 16QAM BW=3MHz Channel=20175 RB Size=1 Position=#0

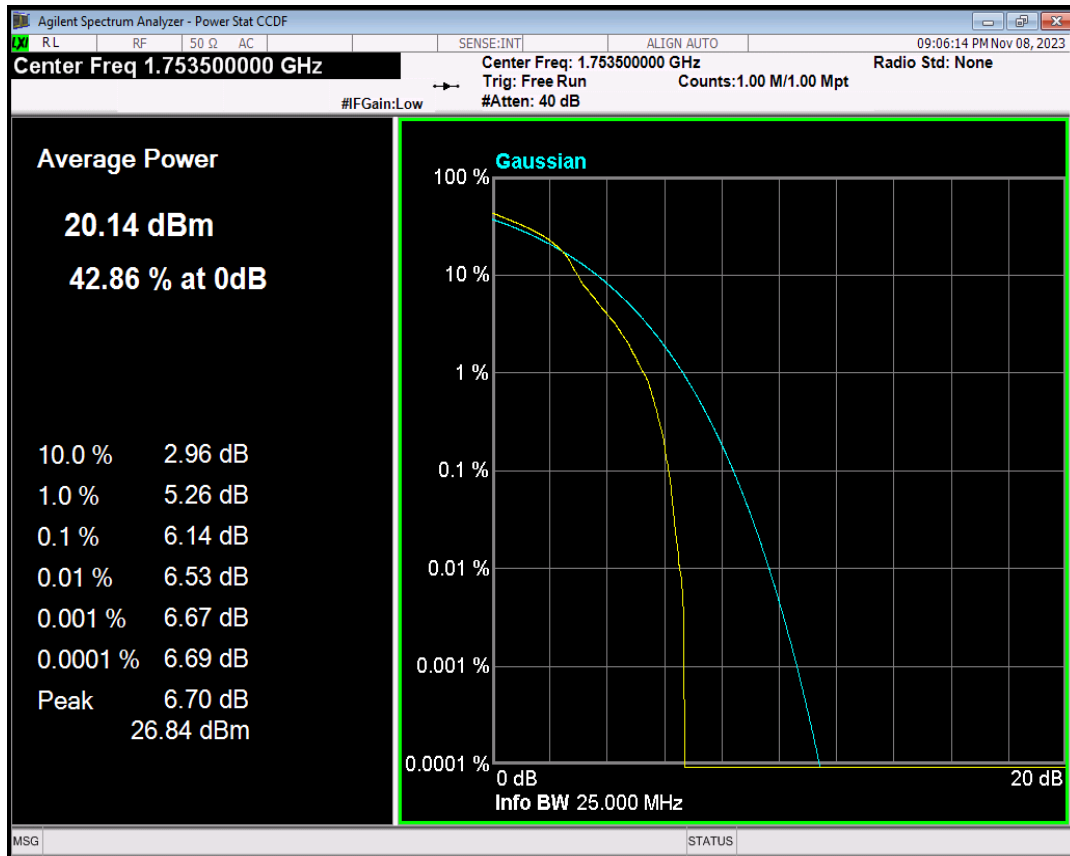




Band4 QPSK BW=3MHz Channel=20385 RB Size=1 Position=#0

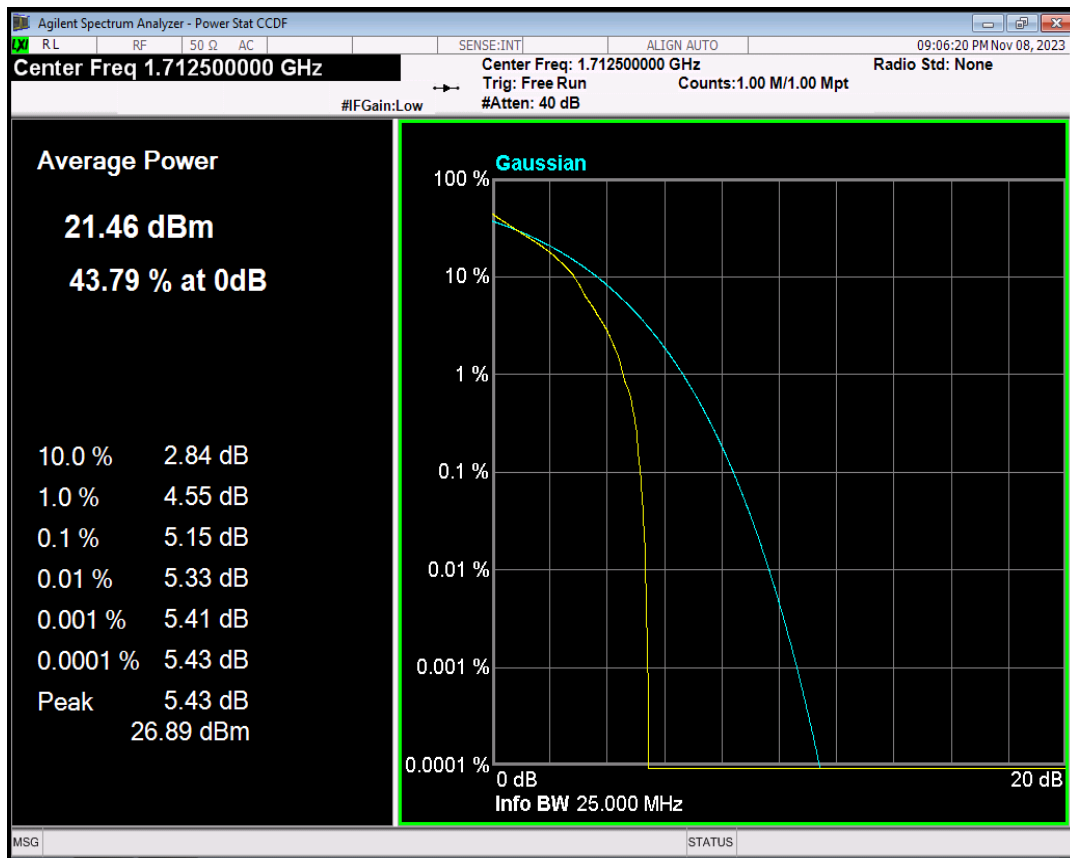


Band4 16QAM BW=3MHz Channel=20385 RB Size=1 Position=#0

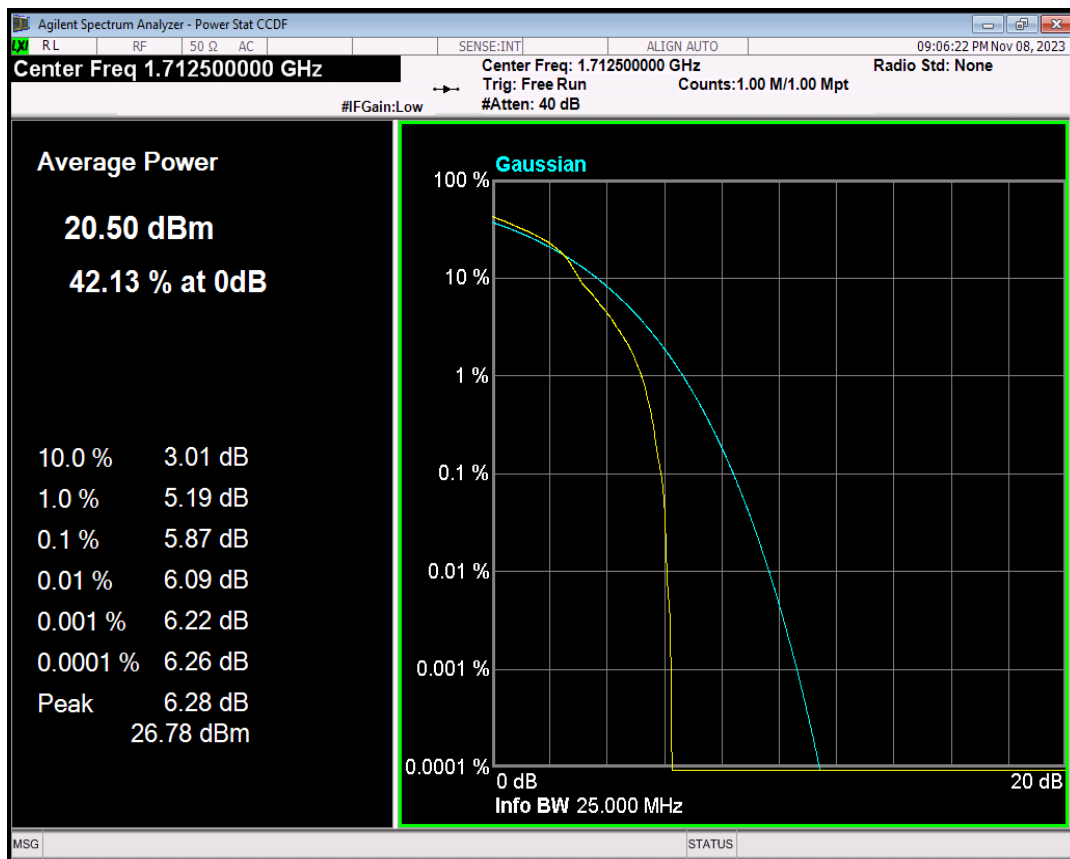




Band4 QPSK BW=5MHz Channel=19975 RB Size=1 Position=#0

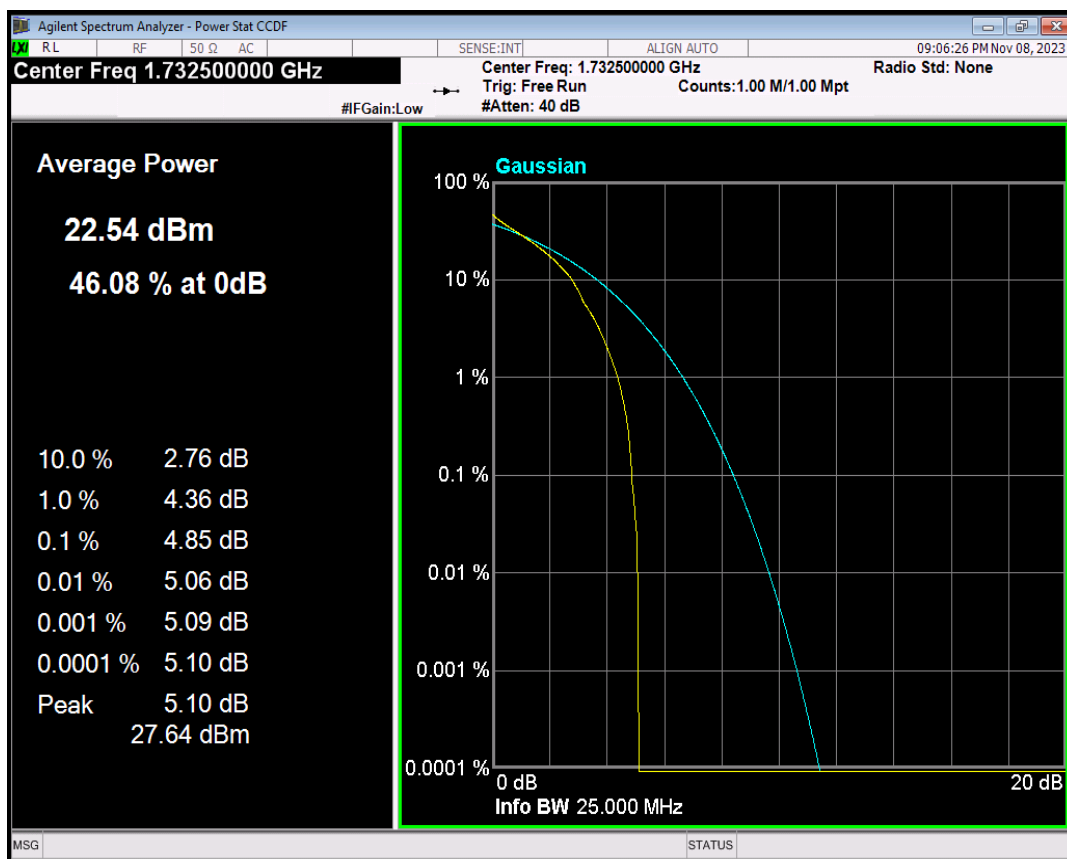


Band4 16QAM BW=5MHz Channel=19975 RB Size=1 Position=#0

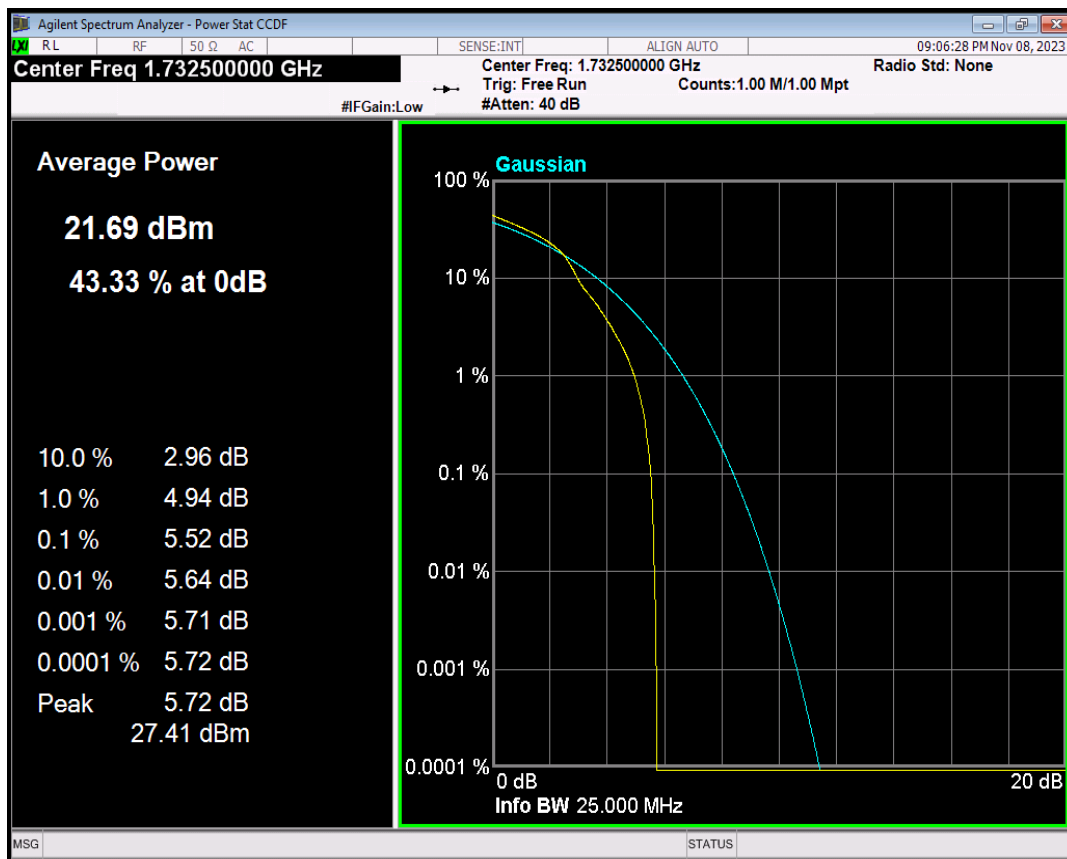




Band4 QPSK BW=5MHz Channel=20175 RB Size=1 Position=#0

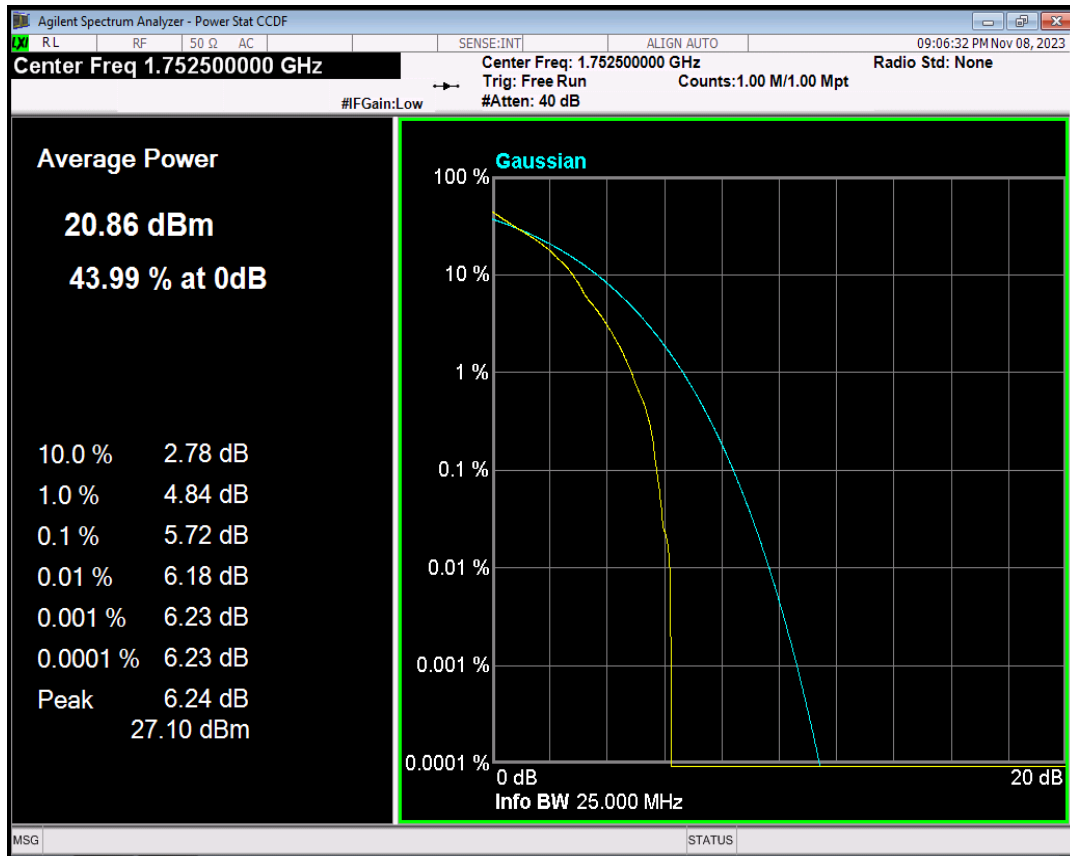


Band4 16QAM BW=5MHz Channel=20175 RB Size=1 Position=#0

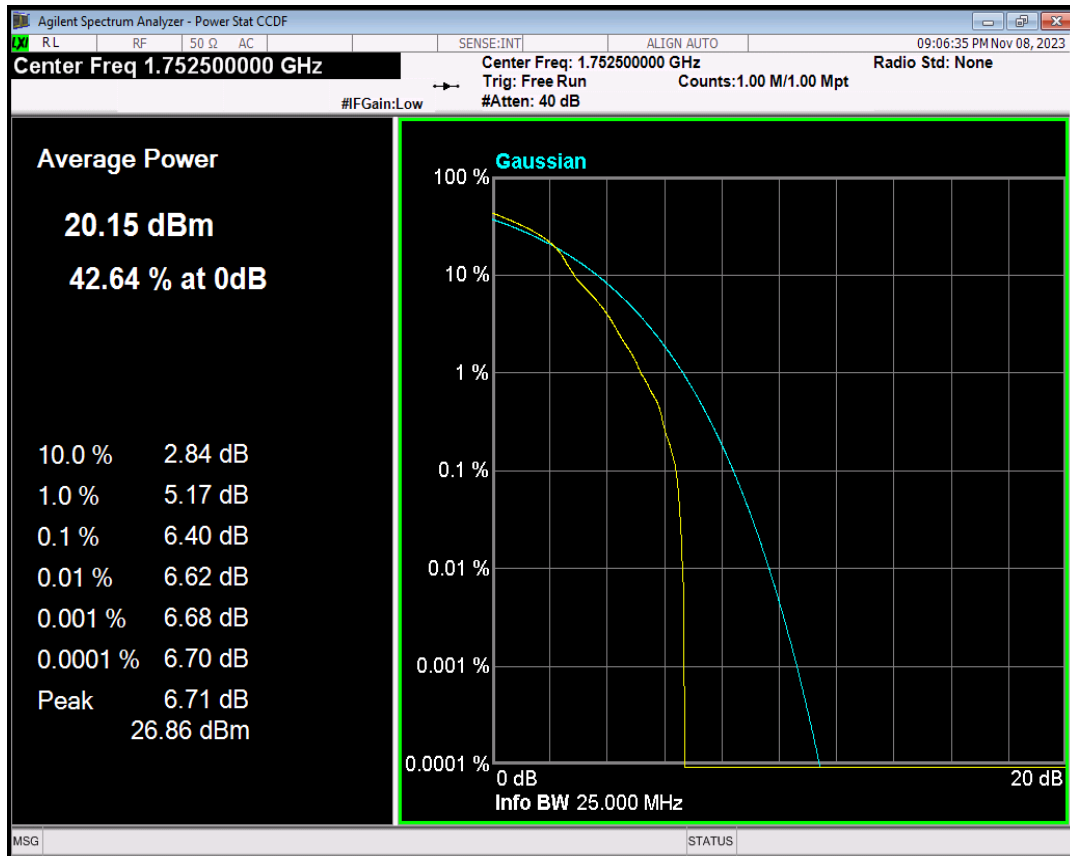




Band4 QPSK BW=5MHz Channel=20375 RB Size=1 Position=#0

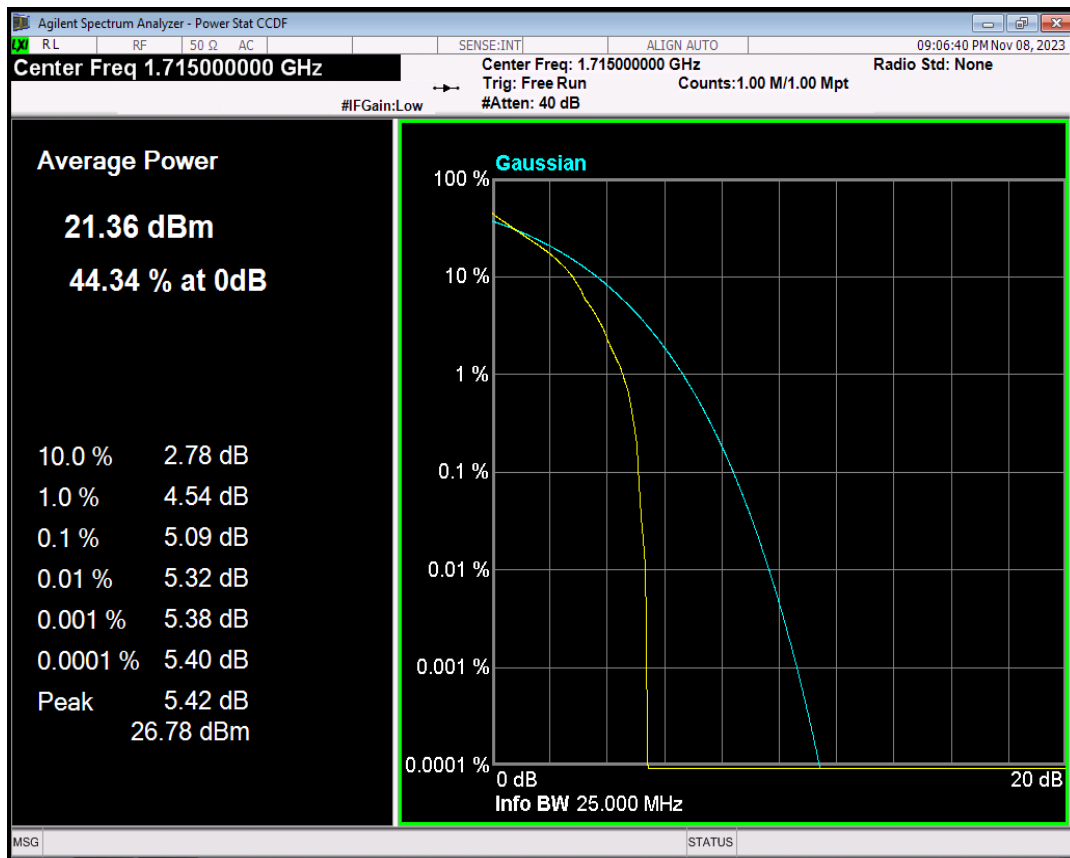


Band4 16QAM BW=5MHz Channel=20375 RB Size=1 Position=#0

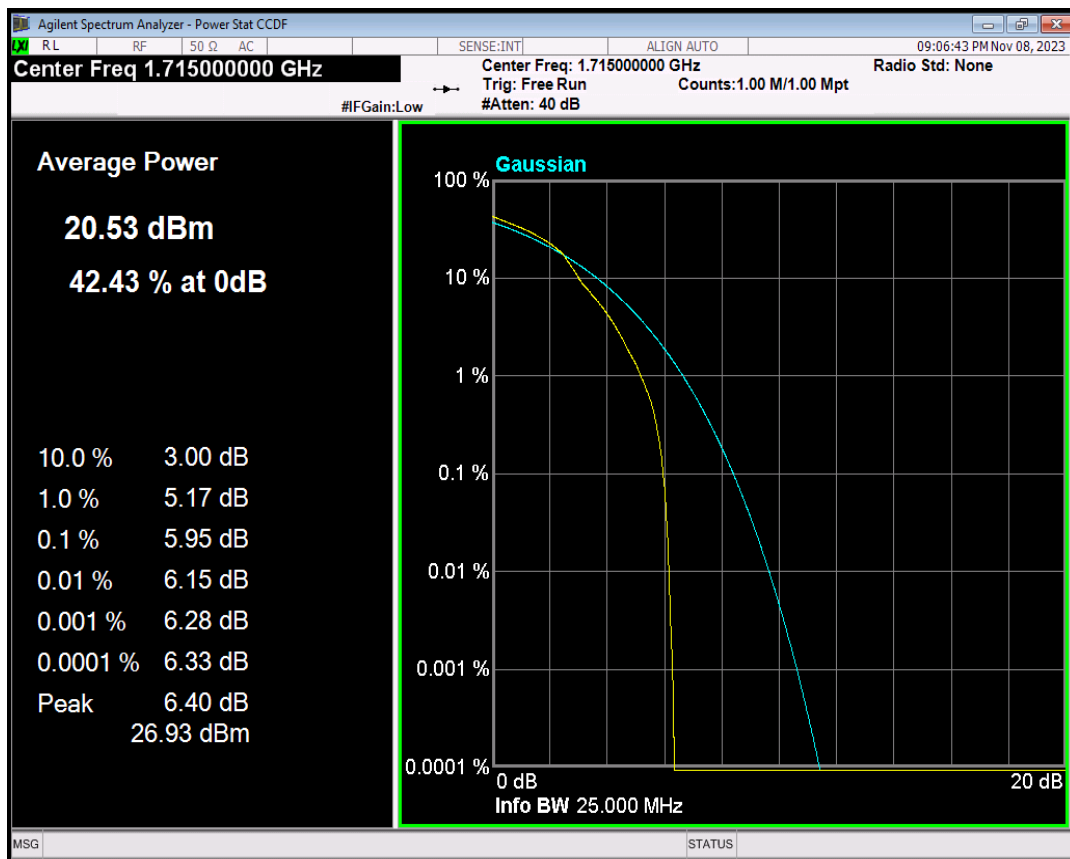




Band4 QPSK BW=10MHz Channel=20000 RB Size=1 Position=#0

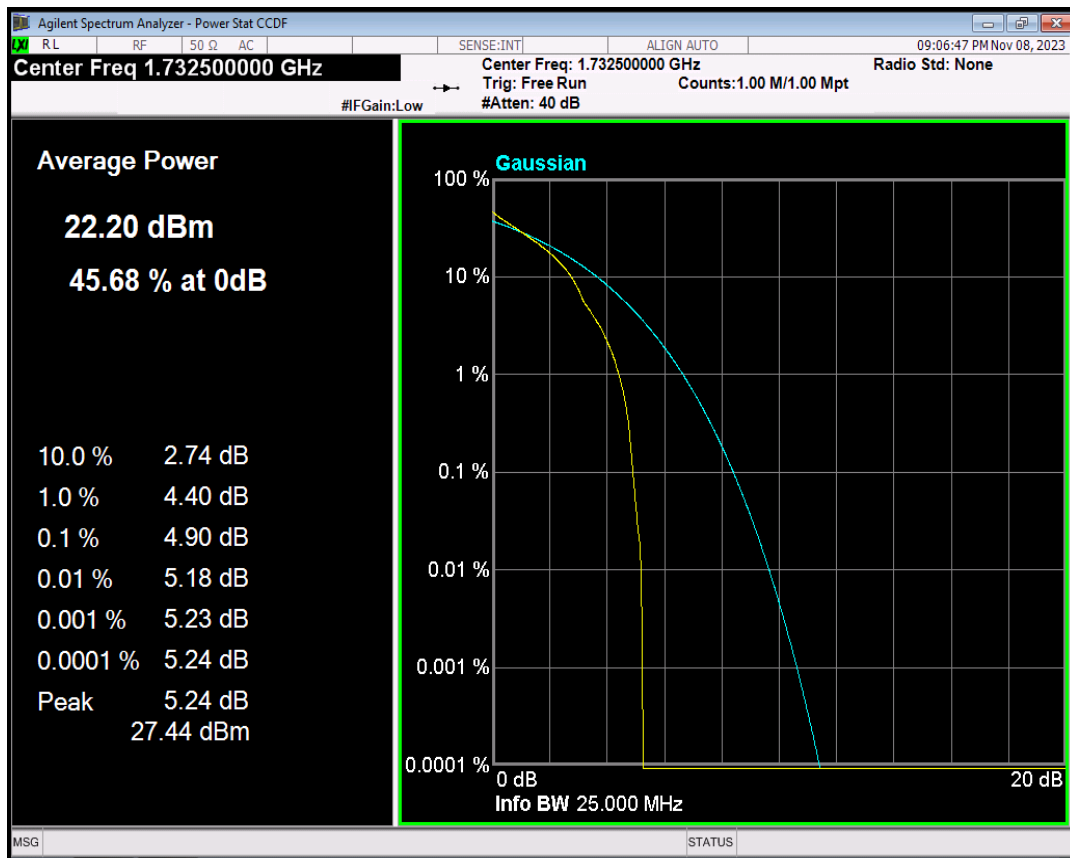


Band4 16QAM BW=10MHz Channel=20000 RB Size=1 Position=#0

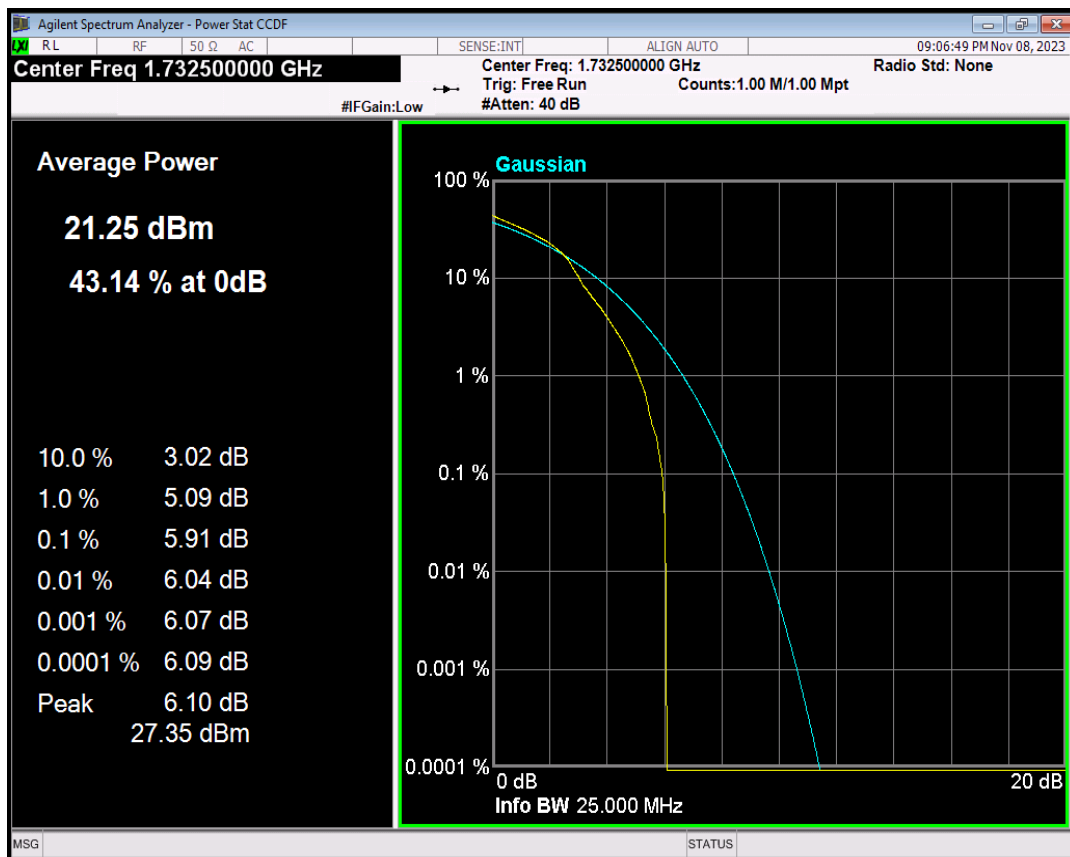




Band4 QPSK BW=10MHz Channel=20175 RB Size=1 Position=#0

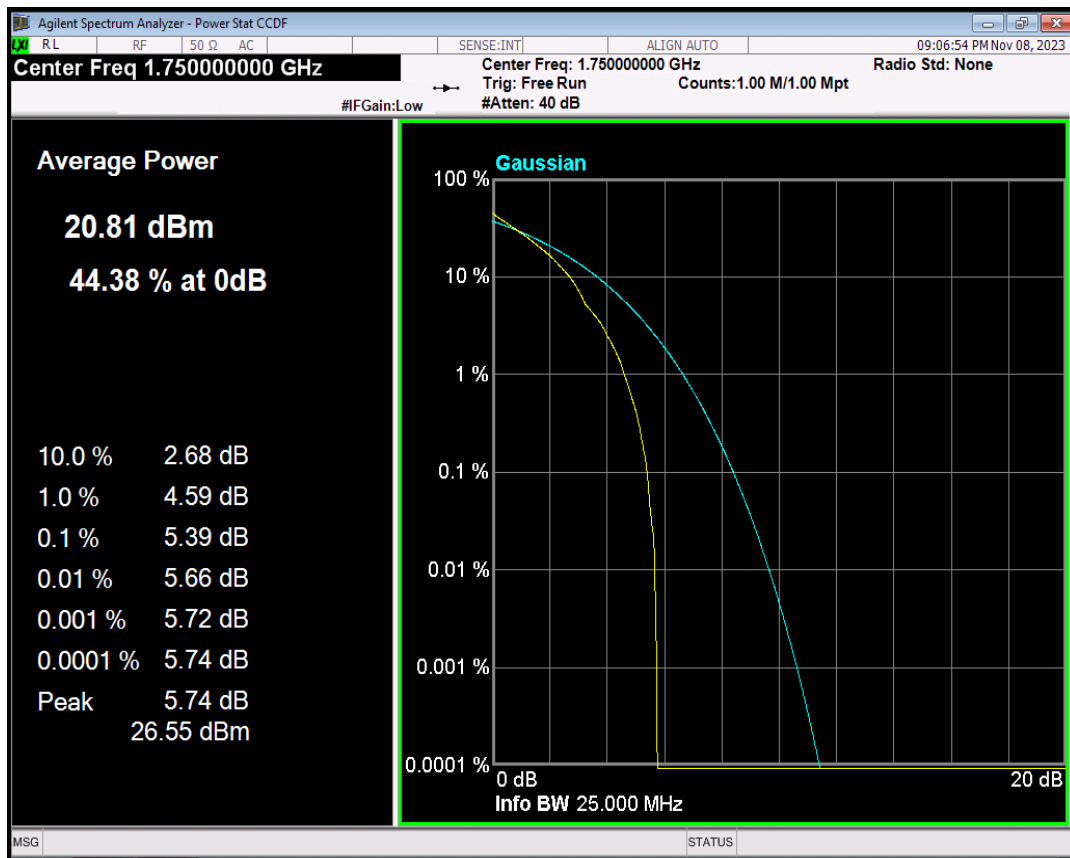


Band4 16QAM BW=10MHz Channel=20175 RB Size=1 Position=#0

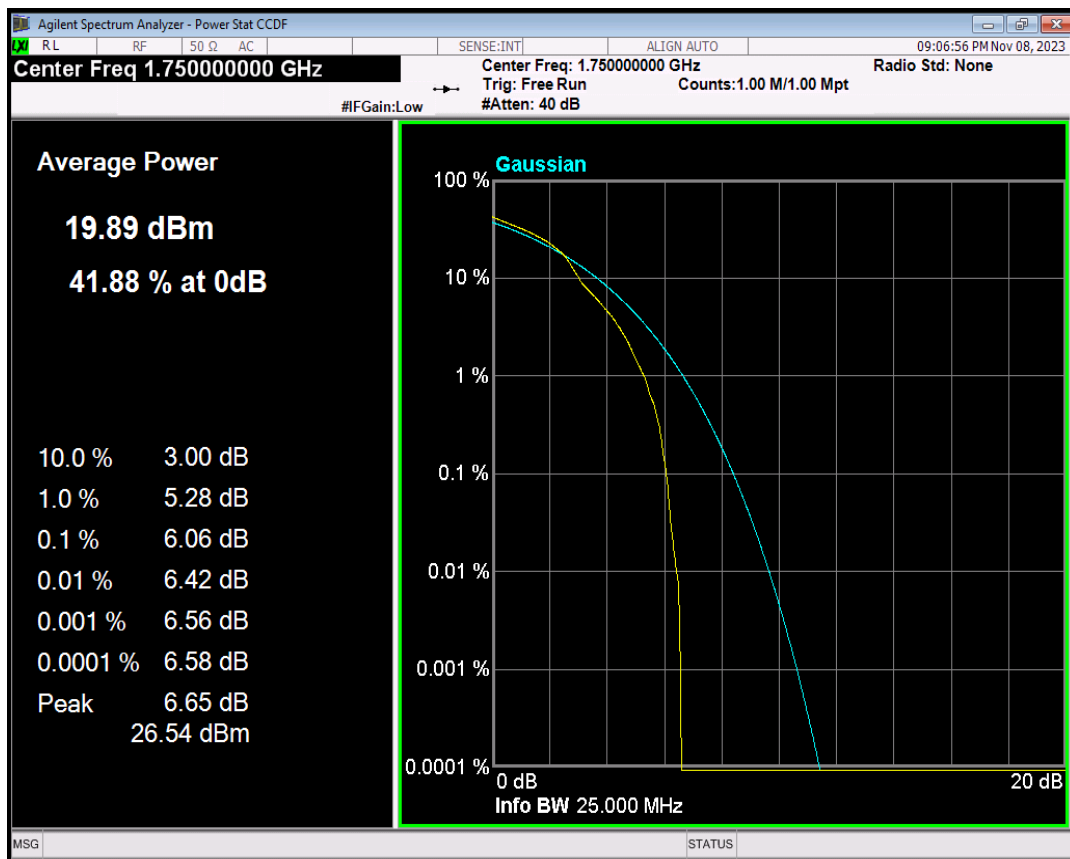




Band4 QPSK BW=10MHz Channel=20350 RB Size=1 Position=#0

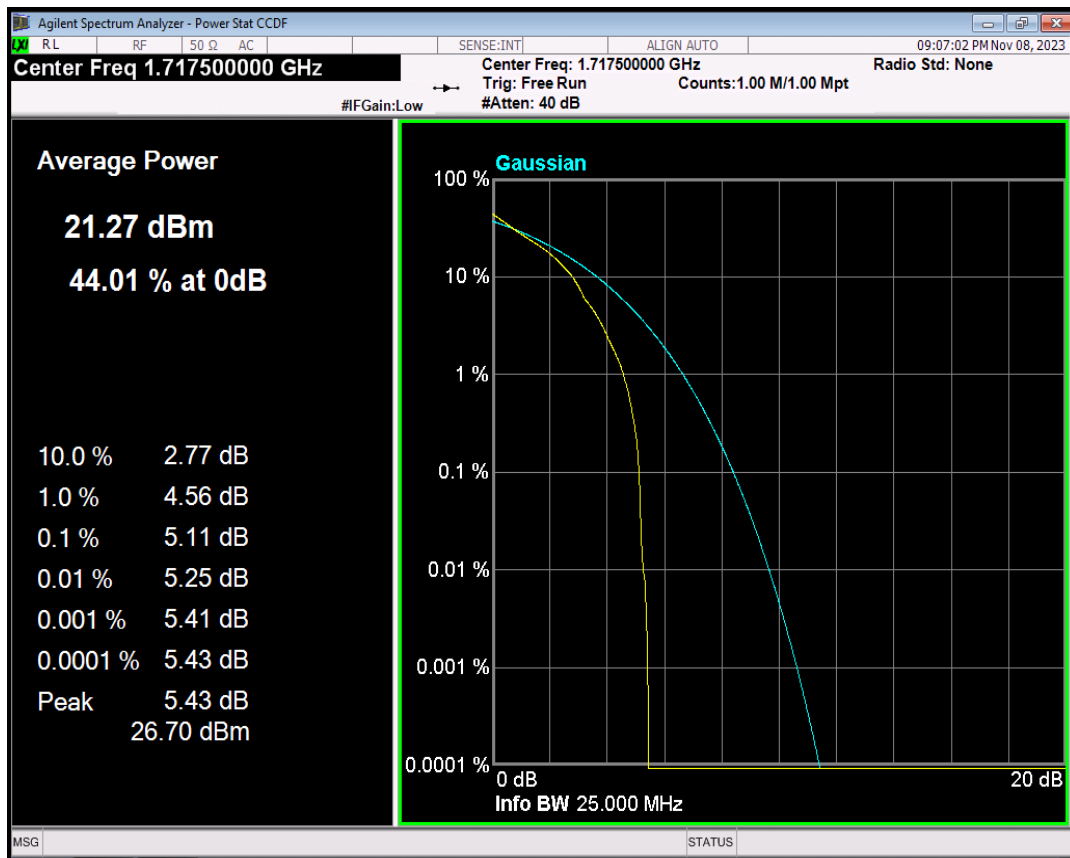


Band4 16QAM BW=10MHz Channel=20350 RB Size=1 Position=#0

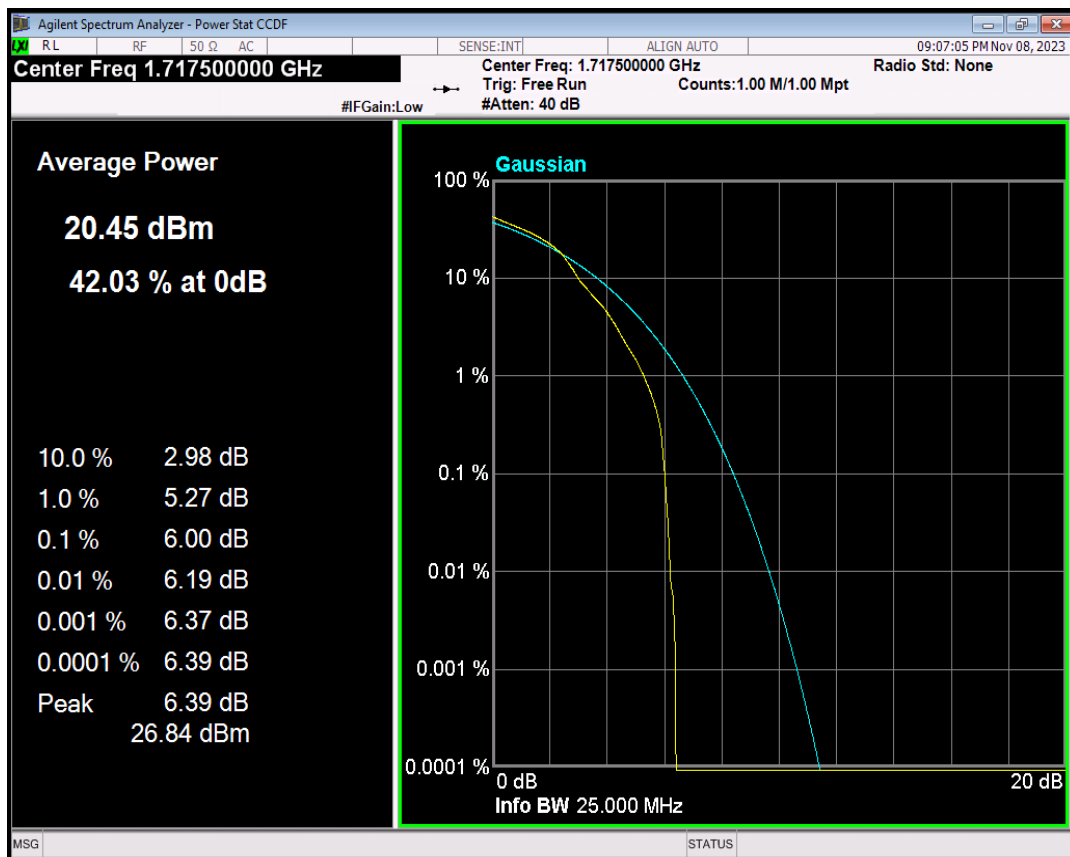




Band4 QPSK BW=15MHz Channel=20025 RB Size=1 Position=#0

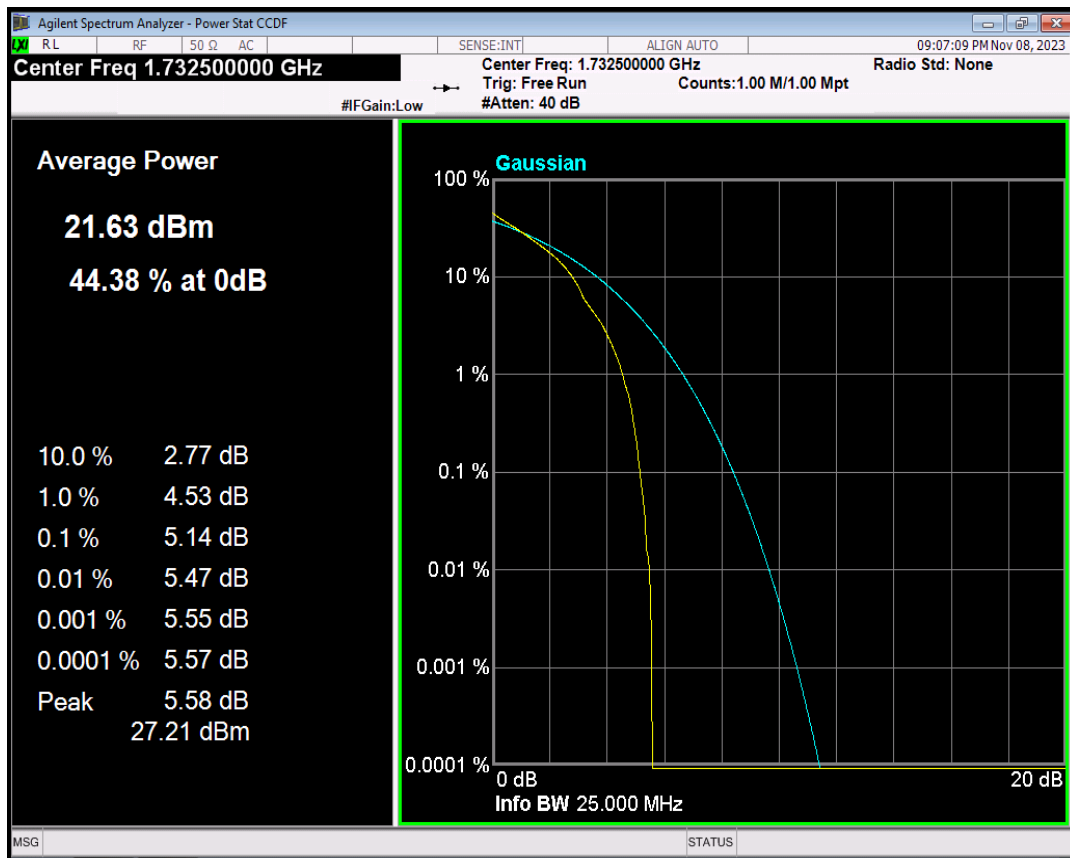


Band4 16QAM BW=15MHz Channel=20025 RB Size=1 Position=#0

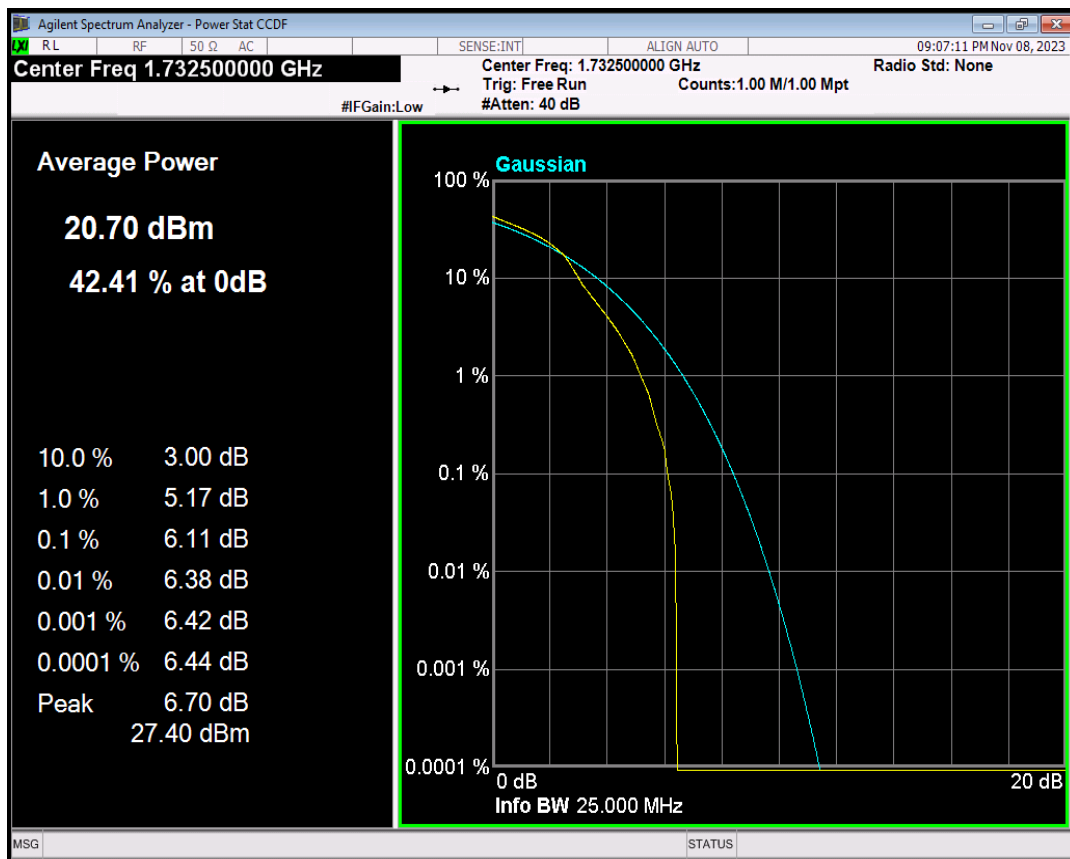




Band4 QPSK BW=15MHz Channel=20175 RB Size=1 Position=#0

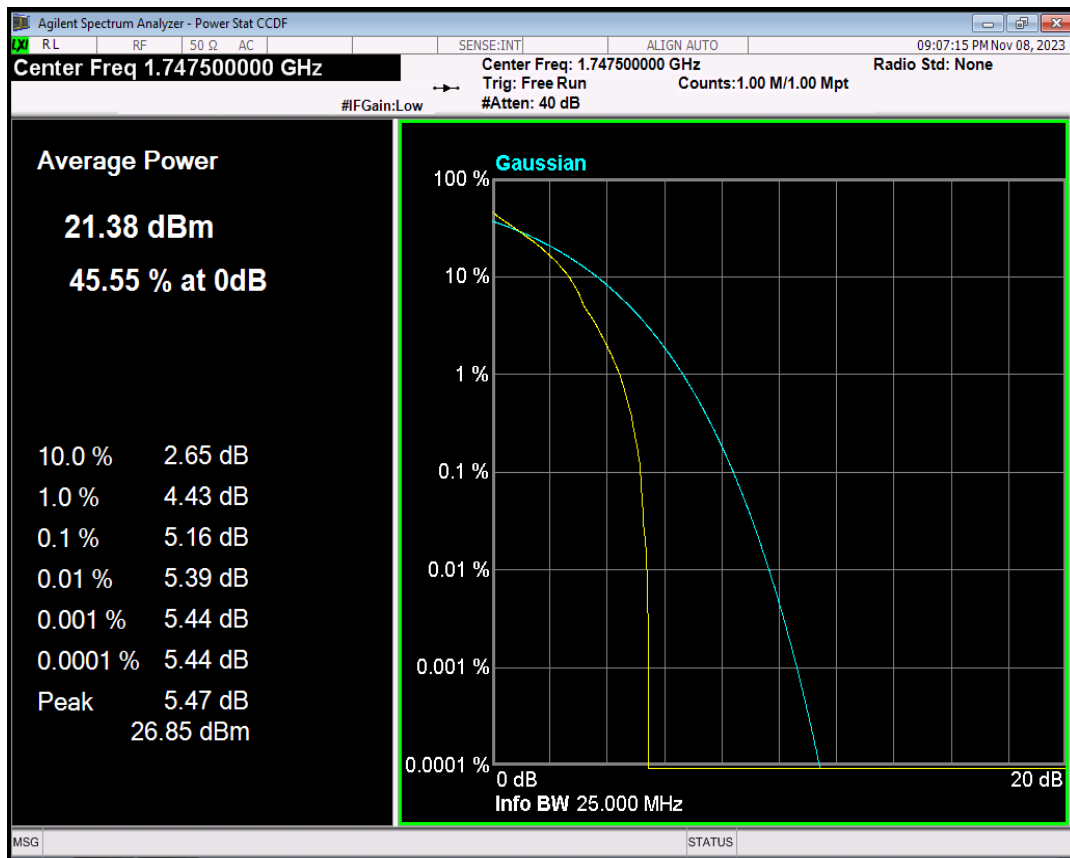


Band4 16QAM BW=15MHz Channel=20175 RB Size=1 Position=#0

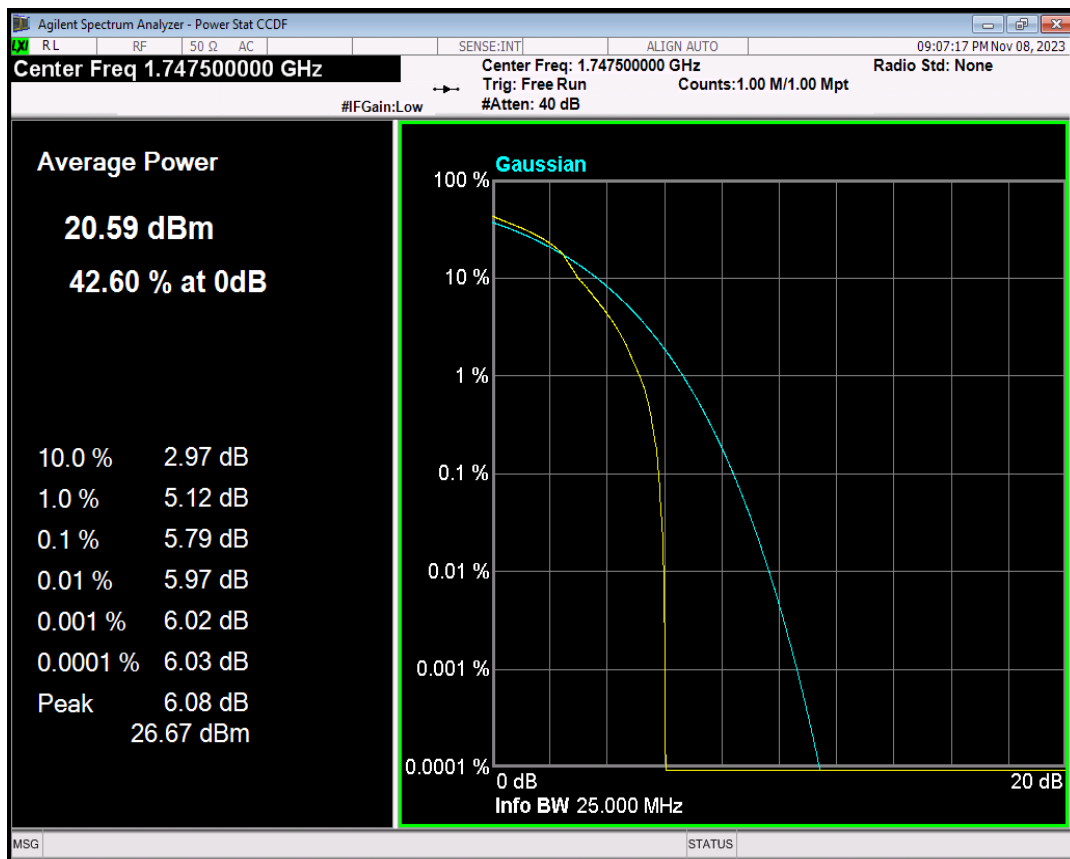




Band4 QPSK BW=15MHz Channel=20325 RB Size=1 Position=#0

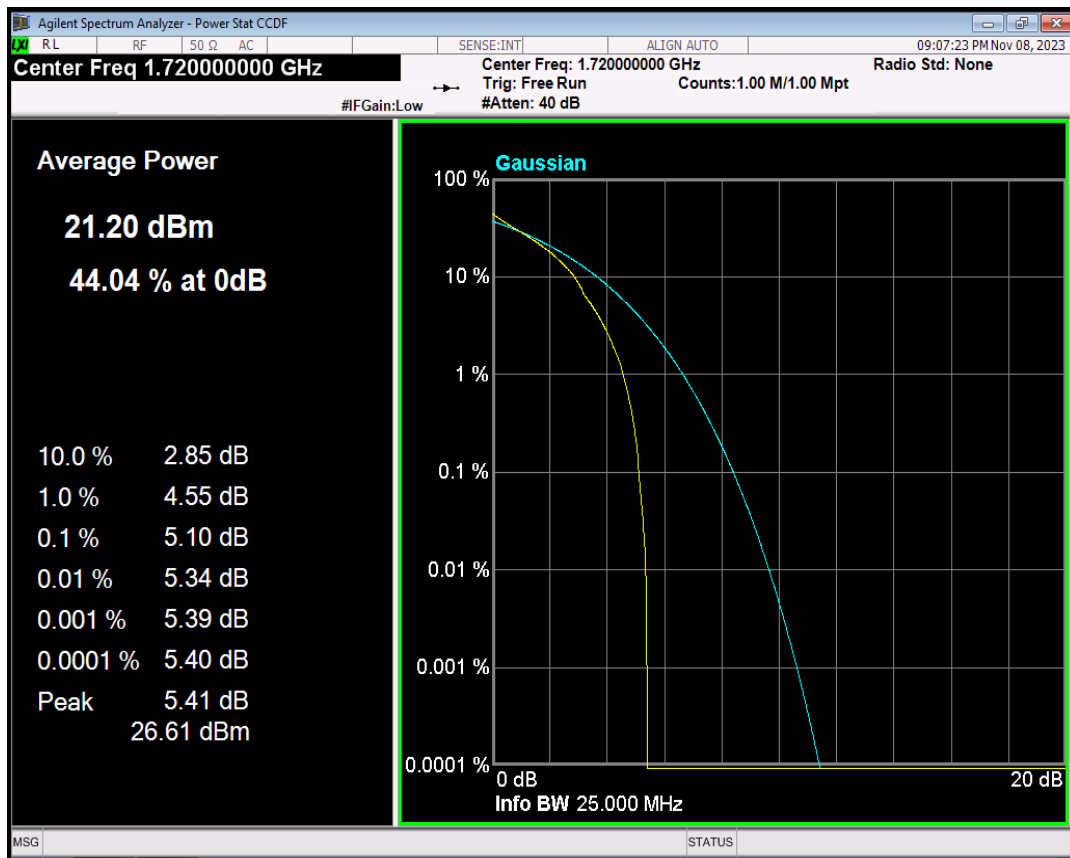


Band4 16QAM BW=15MHz Channel=20325 RB Size=1 Position=#0





Band4 QPSK BW=20MHz Channel=20050 RB Size=1 Position=#0



Band4 16QAM BW=20MHz Channel=20050 RB Size=1 Position=#0

