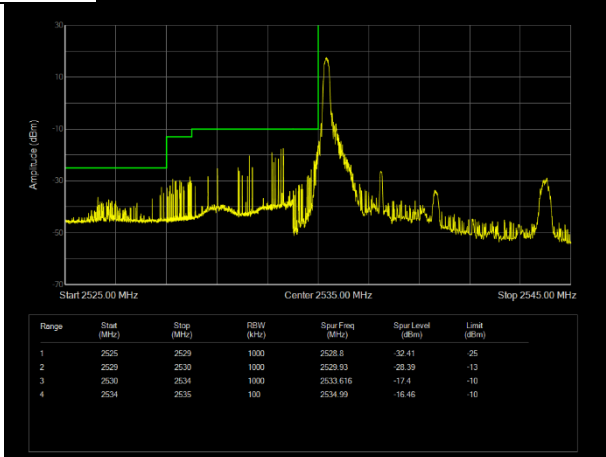
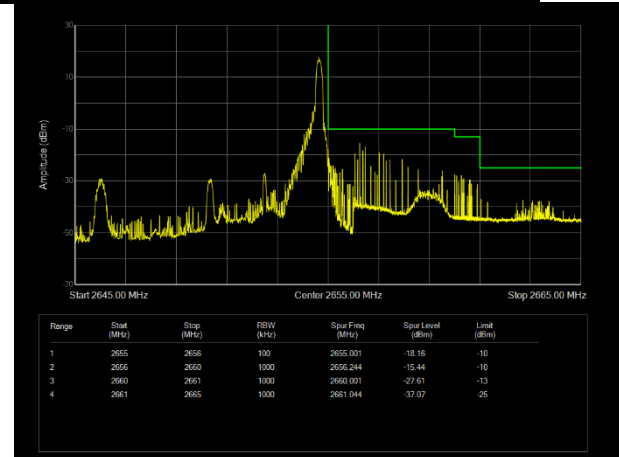
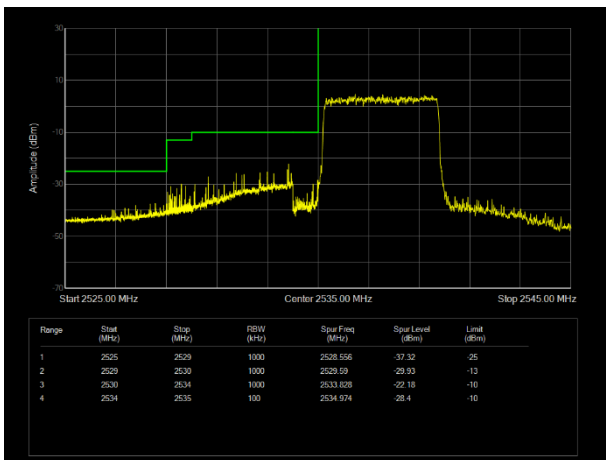




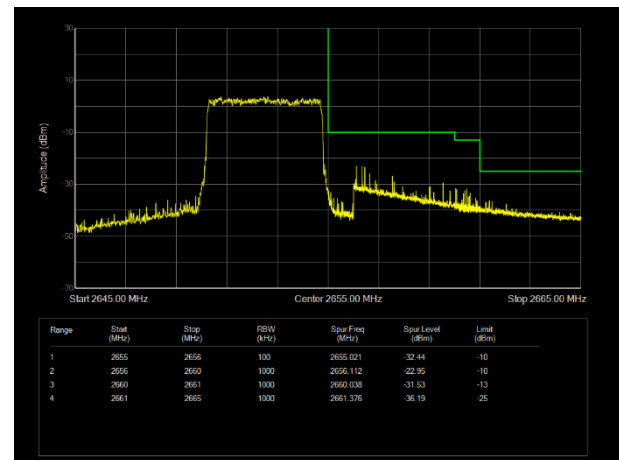
LTE Band41 16QAM BW=5MHz Channel=40065
RB Size=1 Position=#0



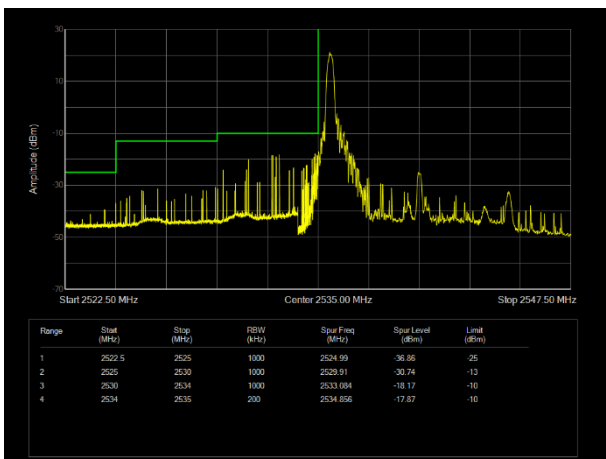
LTE Band41 16QAM BW=5MHz Channel=41215
RB Size=1 Position=#Max



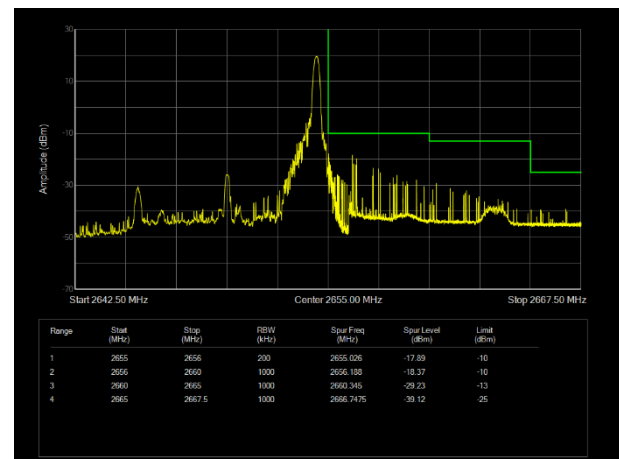
LTE Band41 16QAM BW=5MHz Channel=40065
RB Size=25 Position=#0



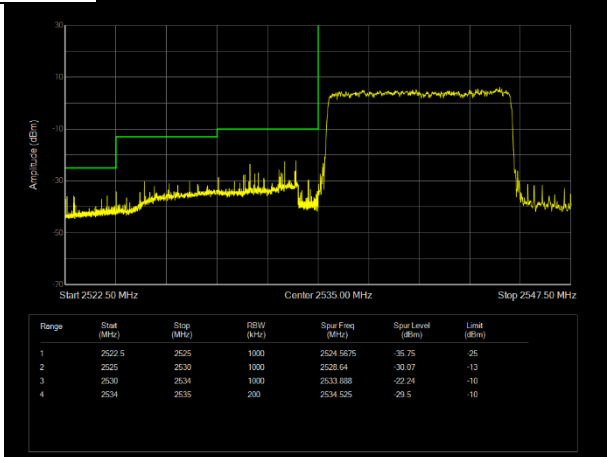
LTE Band41 16QAM BW=5MHz Channel=41215
RB Size=25 Position=#0



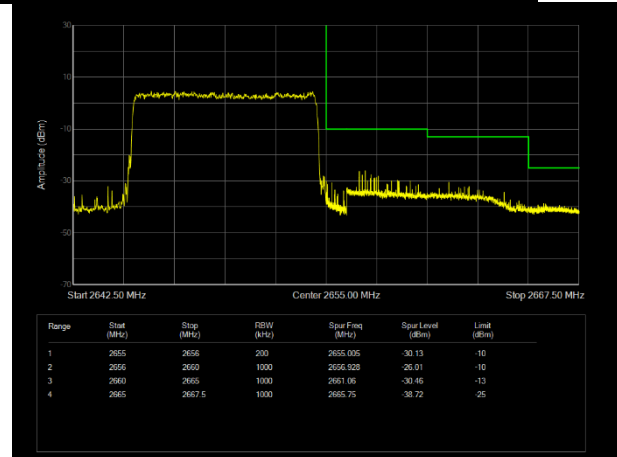
LTE Band41 QPSK BW=10MHz Channel=40090
RB Size=1 Position=#0



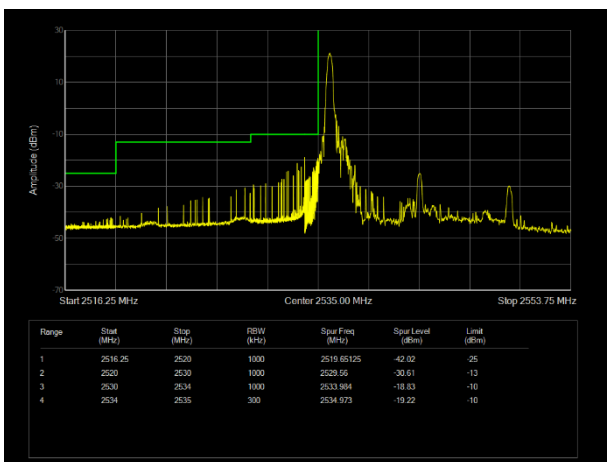
LTE Band41 QPSK BW=10MHz Channel=41190 RB
Size=1 Position=#Max



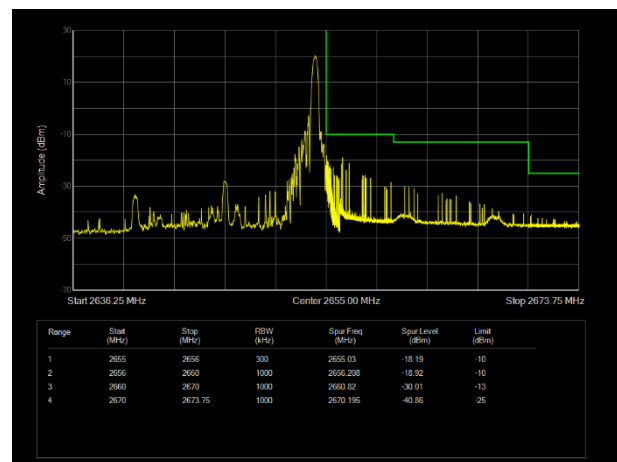
LTE Band41 QPSK BW=10MHz Channel=40090
RB Size=50 Position=#0



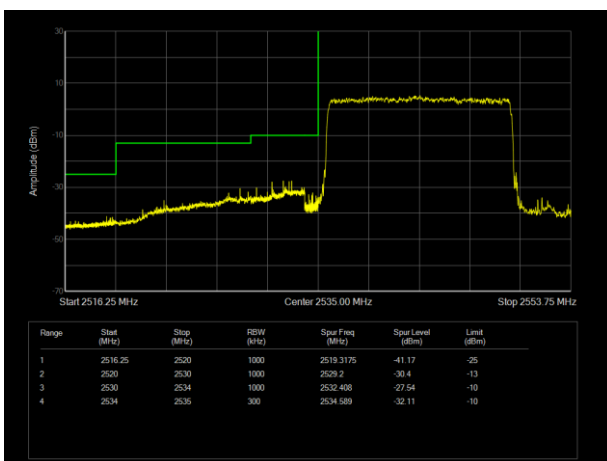
LTE Band41 QPSK BW=10MHz Channel=41190 RB
Size=50 Position=#0



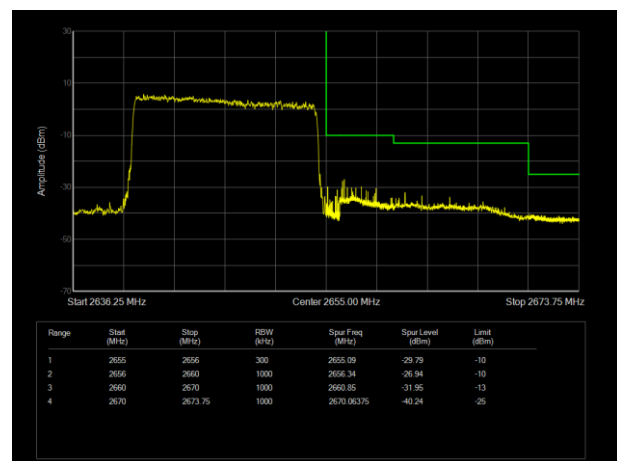
LTE Band41 QPSK BW=15MHz Channel=40115 RB
Size=1 Position=#0



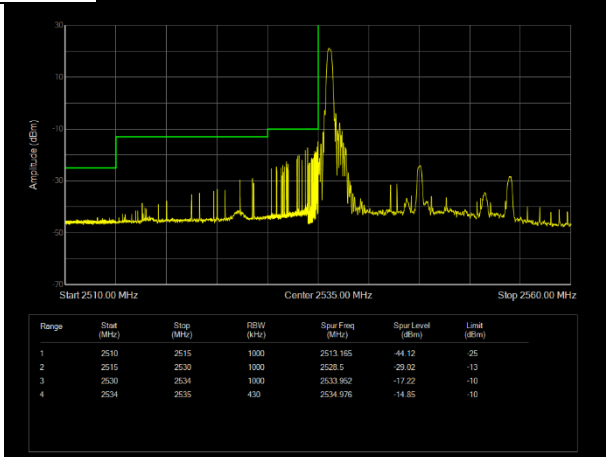
LTE Band41 QPSK BW=15MHz Channel=41165 RB
Size=1 Position=#Max



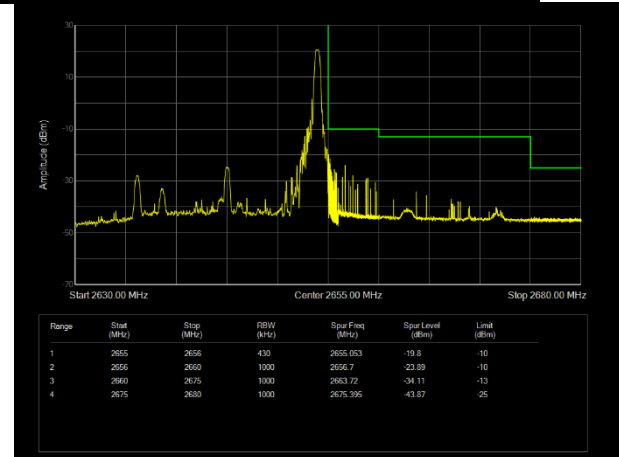
LTE Band41 QPSK BW=15MHz Channel=40115 RB
Size=75 Position=#0



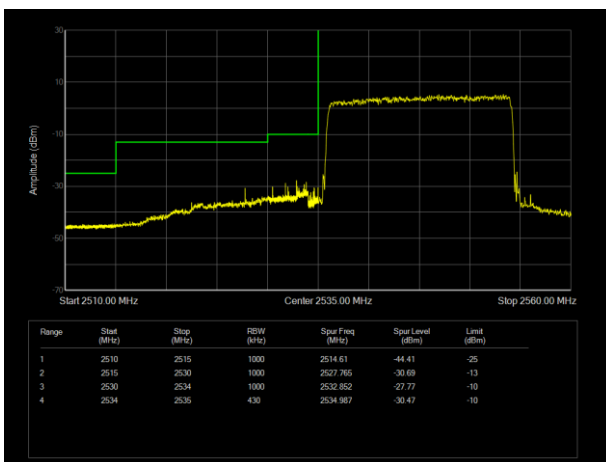
LTE Band41 QPSK BW=15MHz Channel=41165 RB
Size=75 Position=#0



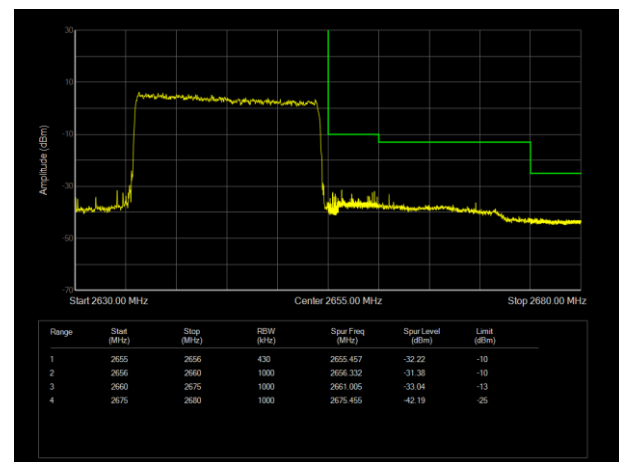
LTE Band41 QPSK BW=20MHz Channel=40140
RB Size=1 Position=#0



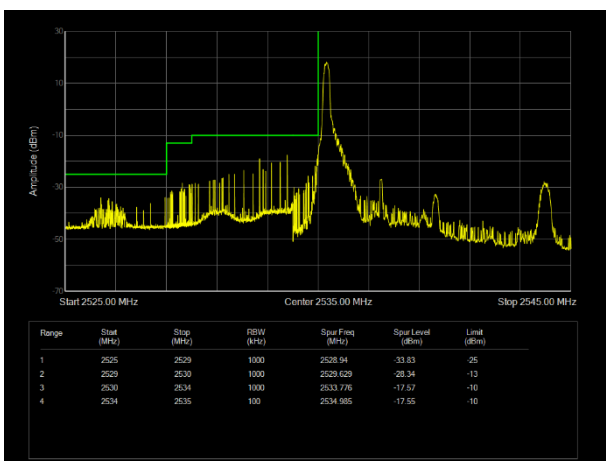
LTE Band41 QPSK BW=20MHz Channel=41140 RB
Size=1 Position=#Max



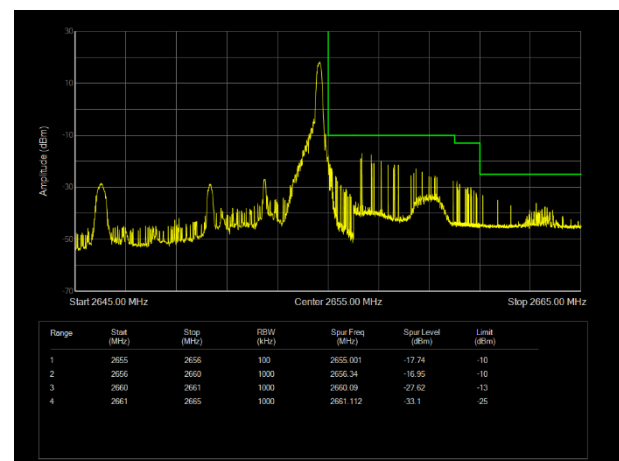
LTE Band41 QPSK BW=20MHz Channel=40140
RB Size=100 Position=#0



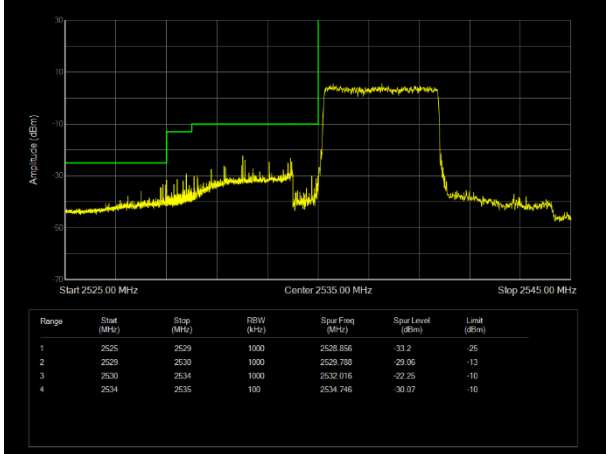
LTE Band41 QPSK BW=20MHz Channel=41140 RB
Size=100 Position=#0



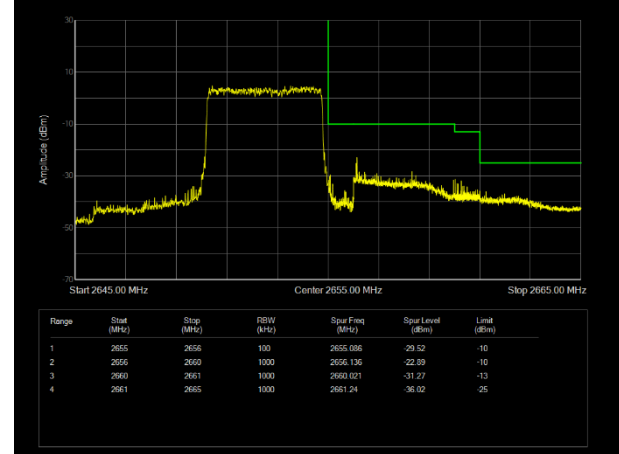
LTE Band41 QPSK BW=5MHz Channel=40065 RB
Size=1 Position=#0



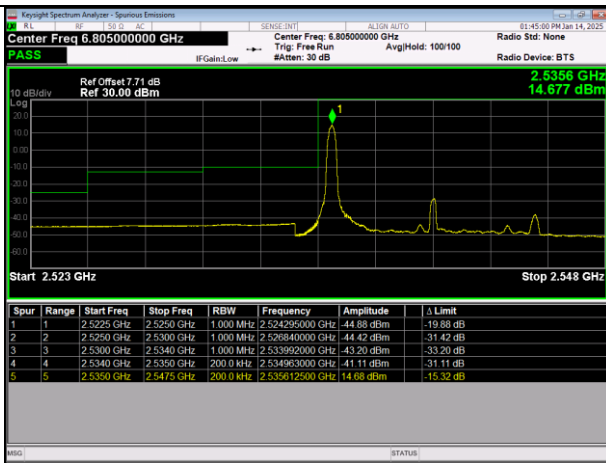
LTE Band41 QPSK BW=5MHz Channel=41215 RB
Size=1 Position=#Max



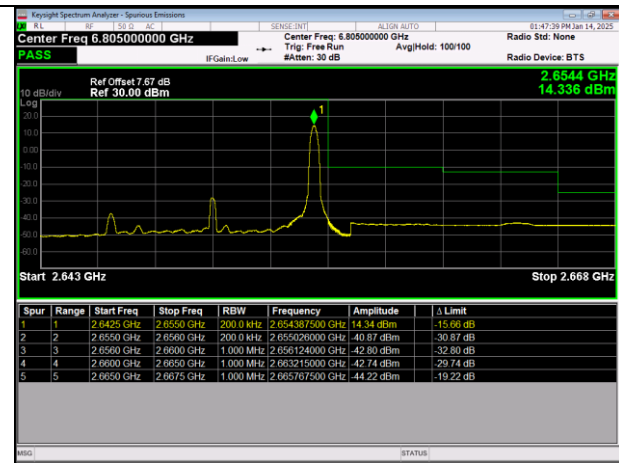
LTE Band41 QPSK BW=5MHz Channel=40065 RB Size=25 Position=#0



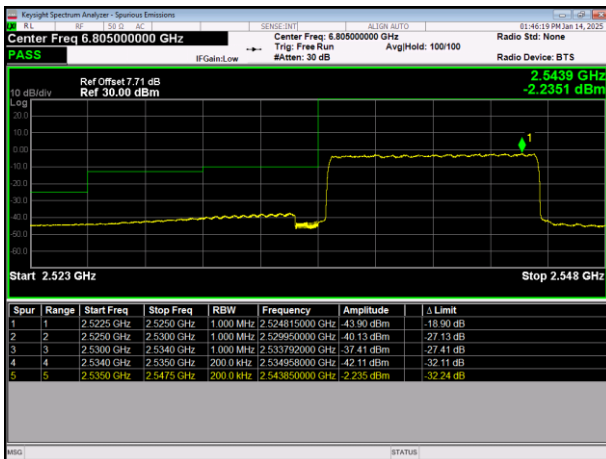
LTE Band41 QPSK BW=5MHz Channel=41215 RB Size=25 Position=#0



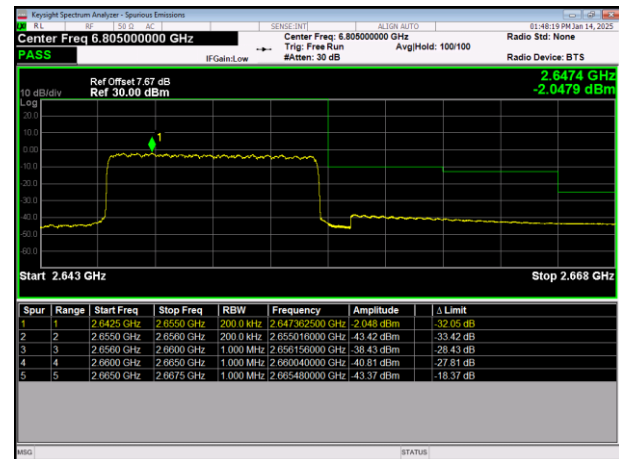
LTE Band41 64QAM BW=10MHz LowChannel=40090 RB Size=1 Position=#0



LTE Band41 64QAM BW=10MHz HighChannel=41190 RB Size=1 Position=#Max



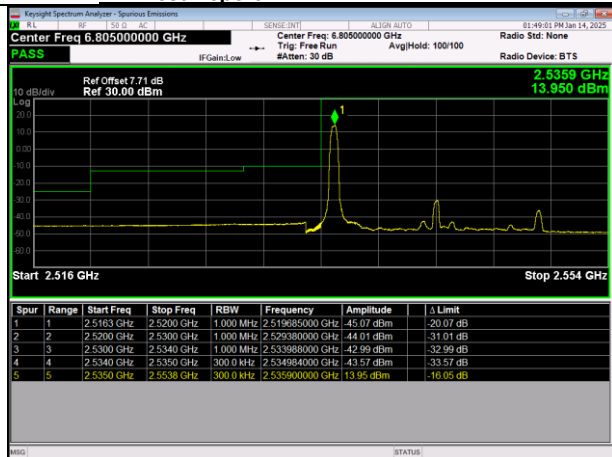
LTE Band41 64QAM BW=10MHz LowChannel=40090 RB Size=50 Position=#0



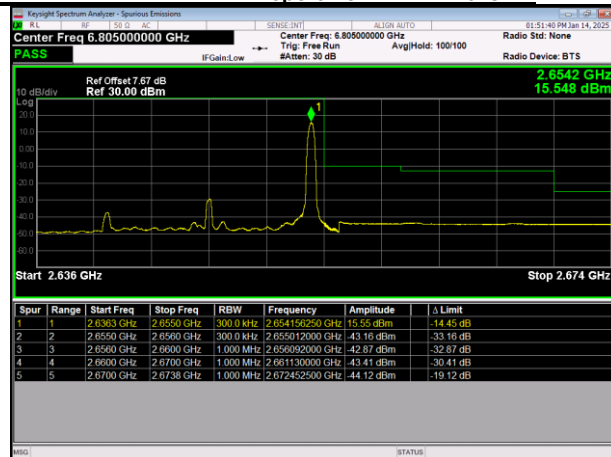
LTE Band41 64QAM BW=10MHz HighChannel=41190 RB Size=50 Position=#0

RF Test Report

Report No.: R2411A1678-R1



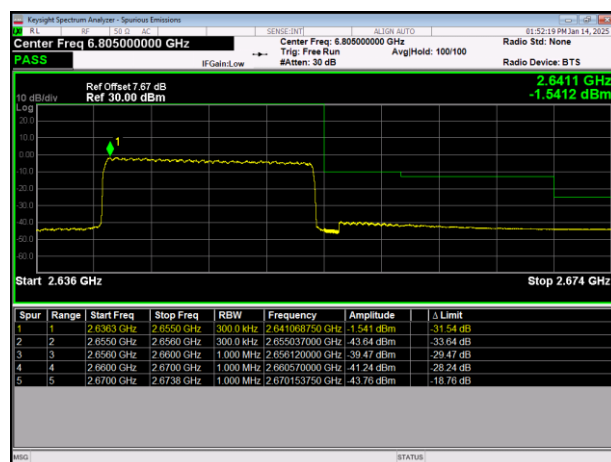
LTE Band41 64QAM BW=15MHz
LowChannel=40115 RB Size=1 Position=#0



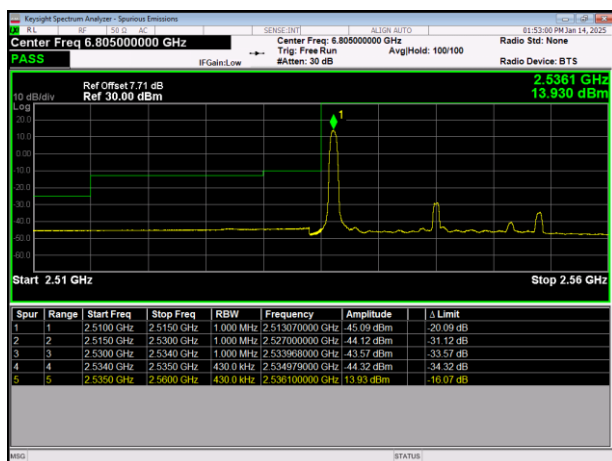
LTE Band41 64QAM BW=15MHz
HighChannel=41165 RB Size=1 Position=#Max



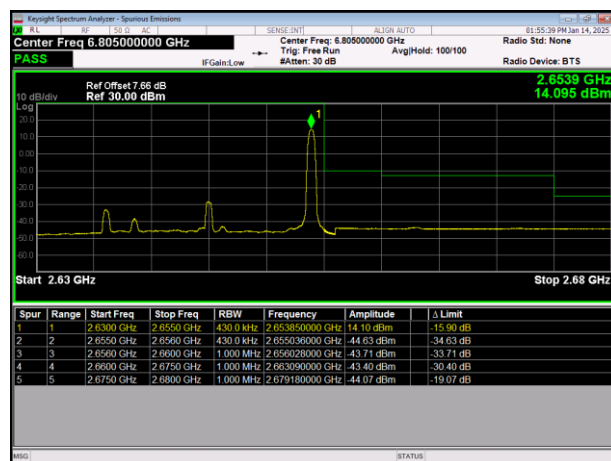
LTE Band41 64QAM BW=15MHz
LowChannel=40115 RB Size=75 Position=#0



LTE Band41 64QAM BW=15MHz
HighChannel=41165 RB Size=75 Position=#0



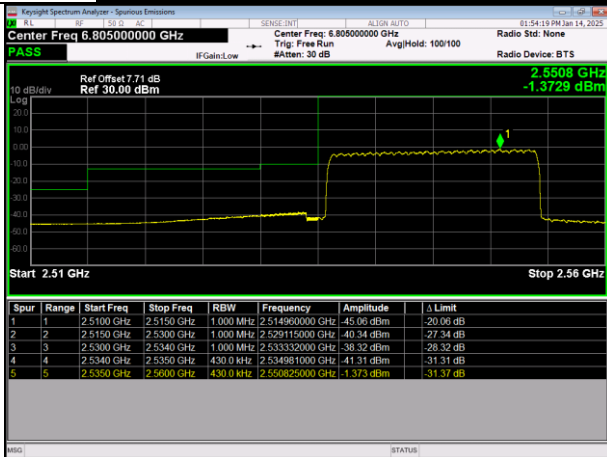
LTE Band41 64QAM BW=20MHz
LowChannel=40140 RB Size=1 Position=#0



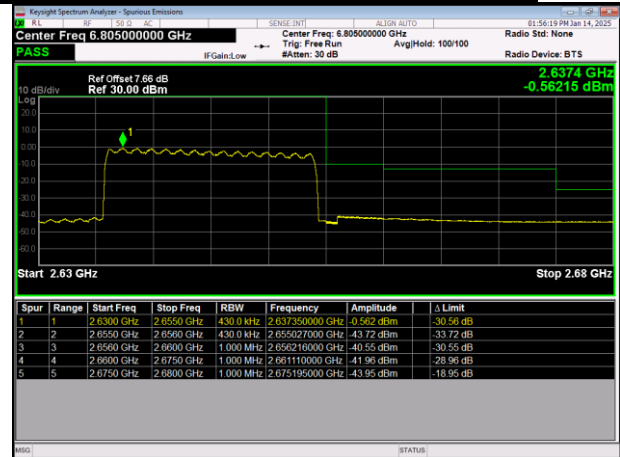
LTE Band41 64QAM BW=20MHz
HighChannel=41140 RB Size=1 Position=#Max

RF Test Report

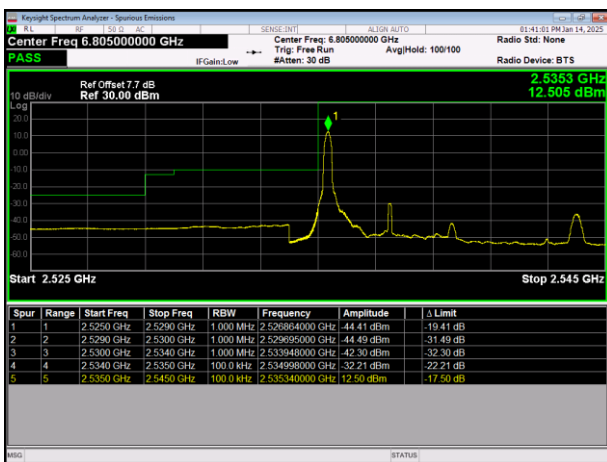
Report No.: R2411A1678-R1



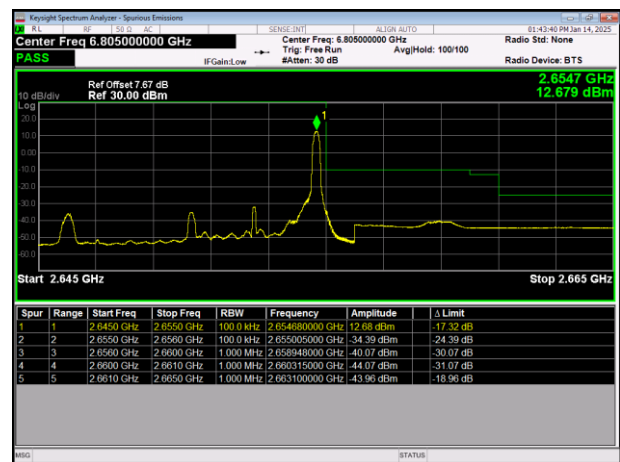
LTE Band41 64QAM BW=20MHz
LowChannel=40140 RB Size=100 Position=#0



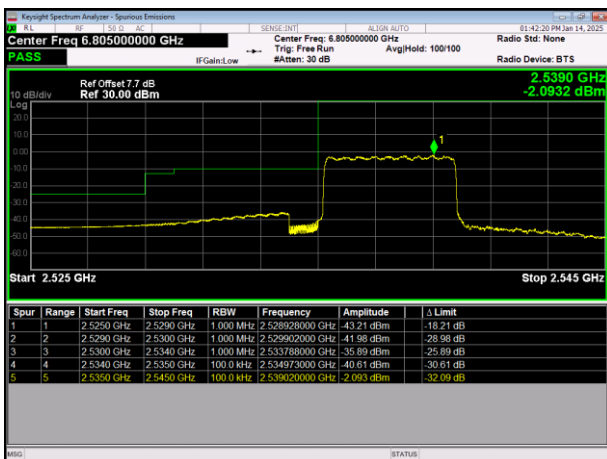
LTE Band41 64QAM BW=20MHz
HighChannel=41140 RB Size=100 Position=#0



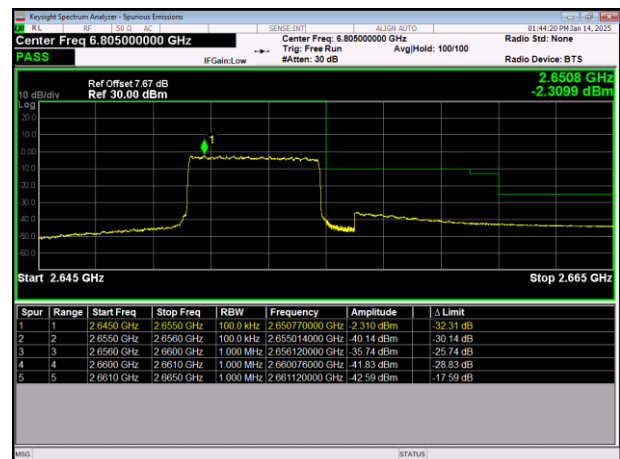
LTE Band41 64QAM BW=5MHz
LowChannel=40065 RB Size=1 Position=#0



LTE Band41 64QAM BW=5MHz
HighChannel=41215 RB Size=1 Position=#Max



LTE Band41 64QAM BW=5MHz
LowChannel=40065 RB Size=25 Position=#0



LTE Band41 64QAM BW=5MHz
HighChannel=41215 RB Size=25 Position=#0

6.4. Peak-to-Average Power Ratio (PAPR)

GSM850	Channel	Peak Power (dBm)	Avg Power (dBm)	PAPR (dB)
GSM	L	31.73	29.09	2.63
	M	31.72	29.04	2.68
	H	31.57	28.93	2.64
GPRS	L	31.73	29.10	2.63
	M	31.72	29.09	2.62
	H	31.57	28.95	2.62
EGPRS	L	31.69	29.06	2.63
	M	31.68	29.05	2.62
	H	31.53	28.91	2.62
GSM1900	Channel	Peak Power (dBm)	Avg Power (dBm)	PAPR (dB)
GSM	L	28.95	26.34	2.61
	M	28.99	26.37	2.62
	H	28.31	25.68	2.63
GPRS	L	28.94	26.32	2.62
	M	28.98	26.36	2.62
	H	28.31	25.68	2.63
EGPRS	L	29.02	26.40	2.62
	M	29.05	26.42	2.63
	H	28.38	25.75	2.63

Test Mode	Channel	Peak Power (dBm)	Avg Power (dBm)	PAPR (dB)
WCDMA B2	L	25.40	21.83	3.36
	M	25.10	21.62	3.36
	H	24.49	21.19	3.11
Test Mode	Channel	Peak Power (dBm)	Avg Power (dBm)	PAPR (dB)
WCDMA B4	L	25.21	21.95	3.17
	M	25.32	22.02	3.14
	H	25.41	22.1	3.11
Test Mode	Channel	Peak Power (dBm)	Avg Power (dBm)	PAPR (dB)
WCDMA B5	L	25.49	21.75	3.46
	M	25.48	21.75	3.48
	H	25.43	21.67	3.48

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Peak Power (dBm)	Avg Power (dBm)	PAPR (dB)
LTE Band2	1.4	18607	6	#0	QPSK	27.62	22.41	5.21
LTE Band2	1.4	18607	6	#0	16QAM	27.43	21.41	6.02
LTE Band2	1.4	18900	6	#0	QPSK	27.70	22.25	5.45
LTE Band2	1.4	18900	6	#0	16QAM	27.47	21.32	6.15
LTE Band2	1.4	19193	6	#0	QPSK	27.09	22.30	4.79
LTE Band2	1.4	19193	6	#0	16QAM	27.00	21.33	5.67
LTE Band2	3	18615	15	#0	QPSK	27.69	22.39	5.30
LTE Band2	3	18615	15	#0	16QAM	27.62	21.42	6.20
LTE Band2	3	18900	15	#0	QPSK	27.69	22.25	5.44
LTE Band2	3	18900	15	#0	16QAM	27.54	21.31	6.23
LTE Band2	3	19185	15	#0	QPSK	27.13	22.26	4.87
LTE Band2	3	19185	15	#0	16QAM	27.01	21.25	5.76
LTE Band2	5	18625	25	#0	QPSK	27.90	22.43	5.47
LTE Band2	5	18625	25	#0	16QAM	27.67	21.46	6.21
LTE Band2	5	18900	25	#0	QPSK	27.81	22.30	5.51
LTE Band2	5	18900	25	#0	16QAM	27.59	21.31	6.28
LTE Band2	5	19175	25	#0	QPSK	27.21	22.23	4.98
LTE Band2	5	19175	25	#0	16QAM	26.96	21.24	5.72
LTE Band2	10	18650	50	#0	QPSK	27.97	22.46	5.51
LTE Band2	10	18650	50	#0	16QAM	27.79	21.49	6.30
LTE Band2	10	18900	50	#0	QPSK	27.87	22.33	5.54
LTE Band2	10	18900	50	#0	16QAM	27.63	21.34	6.29
LTE Band2	10	19150	50	#0	QPSK	27.36	22.29	5.07
LTE Band2	10	19150	50	#0	16QAM	27.20	21.32	5.88
LTE Band2	15	18675	75	#0	QPSK	28.37	22.45	5.92
LTE Band2	15	18675	75	#0	16QAM	27.88	21.45	6.43
LTE Band2	15	18900	75	#0	QPSK	28.18	22.31	5.87
LTE Band2	15	18900	75	#0	16QAM	27.73	21.31	6.42
LTE Band2	15	19125	75	#0	QPSK	27.87	22.35	5.52
LTE Band2	15	19125	75	#0	16QAM	27.47	21.35	6.12
LTE Band2	20	18700	100	#0	QPSK	28.13	22.43	5.70
LTE Band2	20	18700	100	#0	16QAM	27.81	21.46	6.35
LTE Band2	20	18900	100	#0	QPSK	27.80	22.24	5.56
LTE Band2	20	18900	100	#0	16QAM	27.60	21.28	6.32
LTE Band2	20	19100	100	#0	QPSK	27.88	22.37	5.51
LTE Band2	20	19100	100	#0	16QAM	27.62	21.38	6.24
LTE Band2	1.4	18607	6	#0	64QAM	25.69	19.24	6.45
LTE Band2	1.4	18900	6	#0	64QAM	25.44	18.94	6.50
LTE Band2	1.4	19193	6	#0	64QAM	25.11	18.95	6.16
LTE Band2	3	18615	15	#0	64QAM	25.77	19.24	6.53
LTE Band2	3	18900	15	#0	64QAM	25.47	18.96	6.51

LTE Band2	3	19185	15	#0	64QAM	25.15	18.99	6.16
LTE Band2	5	18625	25	#0	64QAM	25.84	19.30	6.54
LTE Band2	5	18900	25	#0	64QAM	25.47	18.96	6.51
LTE Band2	5	19175	25	#0	64QAM	25.04	18.90	6.14
LTE Band2	10	18650	50	#0	64QAM	25.96	19.32	6.64
LTE Band2	10	18900	50	#0	64QAM	25.48	18.95	6.53
LTE Band2	10	19150	50	#0	64QAM	25.13	18.87	6.26
LTE Band2	15	18675	75	#0	64QAM	25.86	19.21	6.65
LTE Band2	15	18900	75	#0	64QAM	25.45	18.92	6.53
LTE Band2	15	19125	75	#0	64QAM	25.22	18.83	6.39
LTE Band2	20	18700	100	#0	64QAM	25.74	19.11	6.63
LTE Band2	20	18900	100	#0	64QAM	25.41	18.87	6.54
LTE Band2	20	19100	100	#0	64QAM	25.5	18.95	6.55

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Peak Power (dBm)	Avg Power (dBm)	PAPR (dB)
LTE Band4	1.4	19957	6	#0	QPSK	28.23	22.73	5.50
LTE Band4	1.4	19957	6	#0	16QAM	28.14	21.77	6.37
LTE Band4	1.4	20175	6	#0	QPSK	28.41	22.79	5.62
LTE Band4	1.4	20175	6	#0	16QAM	28.32	21.90	6.42
LTE Band4	1.4	20393	6	#0	QPSK	28.21	22.86	5.35
LTE Band4	1.4	20393	6	#0	16QAM	28.15	21.94	6.21
LTE Band4	3	19965	15	#0	QPSK	28.26	22.74	5.52
LTE Band4	3	19965	15	#0	16QAM	28.21	21.82	6.39
LTE Band4	3	20175	15	#0	QPSK	28.51	22.86	5.65
LTE Band4	3	20175	15	#0	16QAM	28.41	21.92	6.49
LTE Band4	3	20385	15	#0	QPSK	28.25	22.86	5.39
LTE Band4	3	20385	15	#0	16QAM	28.19	21.90	6.29
LTE Band4	5	19975	25	#0	QPSK	28.36	22.78	5.58
LTE Band4	5	19975	25	#0	16QAM	28.21	21.85	6.36
LTE Band4	5	20175	25	#0	QPSK	28.77	22.90	5.87
LTE Band4	5	20175	25	#0	16QAM	28.51	21.95	6.56
LTE Band4	5	20375	25	#0	QPSK	28.41	22.89	5.52
LTE Band4	5	20375	25	#0	16QAM	28.17	21.93	6.24
LTE Band4	10	20000	50	#0	QPSK	28.43	22.84	5.59
LTE Band4	10	20000	50	#0	16QAM	28.21	21.88	6.33
LTE Band4	10	20175	50	#0	QPSK	28.76	22.94	5.82
LTE Band4	10	20175	50	#0	16QAM	28.62	22.01	6.61
LTE Band4	10	20350	50	#0	QPSK	28.45	22.91	5.54
LTE Band4	10	20350	50	#0	16QAM	28.27	21.93	6.34
LTE Band4	15	20025	75	#0	QPSK	28.70	22.83	5.87
LTE Band4	15	20025	75	#0	16QAM	28.32	21.87	6.45
LTE Band4	15	20175	75	#0	QPSK	28.98	22.91	6.07

LTE Band4	15	20175	75	#0	16QAM	28.55	21.93	6.62
LTE Band4	15	20325	75	#0	QPSK	28.81	22.88	5.93
LTE Band4	15	20325	75	#0	16QAM	28.34	21.88	6.46
LTE Band4	20	20050	100	#0	QPSK	28.46	22.81	5.65
LTE Band4	20	20050	100	#0	16QAM	28.28	21.87	6.41
LTE Band4	20	20175	100	#0	QPSK	28.74	22.92	5.82
LTE Band4	20	20175	100	#0	16QAM	28.51	21.96	6.55
LTE Band4	20	20300	100	#0	QPSK	28.61	22.87	5.74
LTE Band4	20	20300	100	#0	16QAM	28.40	21.91	6.49
LTE Band4	1.4	19957	6	#0	64QAM	26.45	19.66	6.79
LTE Band4	1.4	20175	6	#0	64QAM	26.66	19.91	6.75
LTE Band4	1.4	20393	6	#0	64QAM	26.04	19.56	6.48
LTE Band4	3	19965	15	#0	64QAM	26.46	19.68	6.78
LTE Band4	3	20175	15	#0	64QAM	26.66	19.94	6.72
LTE Band4	3	20385	15	#0	64QAM	26.13	19.61	6.52
LTE Band4	5	19975	25	#0	64QAM	26.47	19.72	6.75
LTE Band4	5	20175	25	#0	64QAM	26.68	19.98	6.70
LTE Band4	5	20375	25	#0	64QAM	26.16	19.64	6.52
LTE Band4	10	20000	50	#0	64QAM	26.58	19.82	6.76
LTE Band4	10	20175	50	#0	64QAM	26.84	20.02	6.82
LTE Band4	10	20350	50	#0	64QAM	26.28	19.68	6.60
LTE Band4	15	20025	75	#0	64QAM	26.61	19.86	6.75
LTE Band4	15	20175	75	#0	64QAM	26.80	19.99	6.81
LTE Band4	15	20325	75	#0	64QAM	26.51	19.75	6.76
LTE Band4	20	20050	100	#0	64QAM	26.53	19.80	6.73
LTE Band4	20	20175	100	#0	64QAM	26.74	19.98	6.76
LTE Band4	20	20300	100	#0	64QAM	26.58	19.84	6.74

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Peak Power (dBm)	Avg Power (dBm)	PAPR (dB)
LTE Band5	1.4	20407	6	#0	QPSK	27.96	22.22	5.74
LTE Band5	1.4	20407	6	#0	16QAM	27.79	21.25	6.54
LTE Band5	1.4	20525	6	#0	QPSK	28.21	22.30	5.91
LTE Band5	1.4	20525	6	#0	16QAM	27.93	21.35	6.58
LTE Band5	1.4	20643	6	#0	QPSK	27.68	22.31	5.37
LTE Band5	1.4	20643	6	#0	16QAM	27.70	21.39	6.31
LTE Band5	3	20415	15	#0	QPSK	27.98	22.22	5.76
LTE Band5	3	20415	15	#0	16QAM	27.77	21.28	6.49
LTE Band5	3	20525	15	#0	QPSK	28.12	22.28	5.84
LTE Band5	3	20525	15	#0	16QAM	28.01	21.32	6.69
LTE Band5	3	20635	15	#0	QPSK	27.87	22.27	5.60
LTE Band5	3	20635	15	#0	16QAM	27.74	21.31	6.43
LTE Band5	5	20425	25	#0	QPSK	27.96	22.20	5.76

LTE Band5	5	20425	25	#0	16QAM	27.74	21.28	6.46
LTE Band5	5	20525	25	#0	QPSK	28.31	22.33	5.98
LTE Band5	5	20525	25	#0	16QAM	28.06	21.39	6.67
LTE Band5	5	20625	25	#0	QPSK	28.01	22.29	5.72
LTE Band5	5	20625	25	#0	16QAM	27.79	21.35	6.44
LTE Band5	10	20450	50	#0	QPSK	28.03	22.29	5.74
LTE Band5	10	20450	50	#0	16QAM	27.81	21.33	6.48
LTE Band5	10	20525	50	#0	QPSK	28.34	22.43	5.91
LTE Band5	10	20525	50	#0	16QAM	28.13	21.46	6.67
LTE Band5	10	20600	50	#0	QPSK	28.11	22.35	5.76
LTE Band5	10	20600	50	#0	16QAM	27.92	21.37	6.55
LTE Band5	1.4	20407	6	#0	64QAM	26.07	19.24	6.83
LTE Band5	1.4	20525	6	#0	64QAM	25.94	19.09	6.85
LTE Band5	1.4	20643	6	#0	64QAM	25.98	19.41	6.57
LTE Band5	3	20415	15	#0	64QAM	25.90	19.15	6.75
LTE Band5	3	20525	15	#0	64QAM	25.85	19.05	6.80
LTE Band5	3	20635	15	#0	64QAM	25.93	19.32	6.61
LTE Band5	5	20425	25	#0	64QAM	25.87	19.10	6.77
LTE Band5	5	20525	25	#0	64QAM	25.92	19.07	6.85
LTE Band5	5	20625	25	#0	64QAM	25.99	19.32	6.67
LTE Band5	10	20450	50	#0	64QAM	25.71	19.08	6.63
LTE Band5	10	20525	50	#0	64QAM	26.07	19.21	6.86
LTE Band5	10	20600	50	#0	64QAM	25.98	19.31	6.67

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Peak Power (dBm)	Avg Power (dBm)	PAPR (dB)
LTE Band7	5	20775	25	#0	QPSK	27.80	22.75	5.05
LTE Band7	5	20775	25	#0	16QAM	27.70	21.76	5.94
LTE Band7	5	21100	25	#0	QPSK	28.71	22.92	5.79
LTE Band7	5	21100	25	#0	16QAM	28.42	21.92	6.50
LTE Band7	5	21425	25	#0	QPSK	28.07	22.54	5.53
LTE Band7	5	21425	25	#0	16QAM	27.96	21.58	6.38
LTE Band7	10	20800	50	#0	QPSK	27.87	22.72	5.15
LTE Band7	10	20800	50	#0	16QAM	27.72	21.73	5.99
LTE Band7	10	21100	50	#0	QPSK	28.72	22.94	5.78
LTE Band7	10	21100	50	#0	16QAM	28.48	21.96	6.52
LTE Band7	10	21400	50	#0	QPSK	28.12	22.52	5.60
LTE Band7	10	21400	50	#0	16QAM	27.96	21.56	6.40
LTE Band7	15	20825	75	#0	QPSK	28.26	22.77	5.49
LTE Band7	15	20825	75	#0	16QAM	27.91	21.74	6.17
LTE Band7	15	21100	75	#0	QPSK	29.00	22.92	6.08
LTE Band7	15	21100	75	#0	16QAM	28.55	21.91	6.64
LTE Band7	15	21375	75	#0	QPSK	28.38	22.56	5.82

LTE Band7	15	21375	75	#0	16QAM	28.02	21.53	6.49
LTE Band7	20	20850	100	#0	QPSK	28.04	22.62	5.42
LTE Band7	20	20850	100	#0	16QAM	27.87	21.67	6.20
LTE Band7	20	21100	100	#0	QPSK	28.63	22.86	5.77
LTE Band7	20	21100	100	#0	16QAM	28.43	21.88	6.55
LTE Band7	20	21350	100	#0	QPSK	28.10	22.45	5.65
LTE Band7	20	21350	100	#0	16QAM	27.91	21.49	6.42
LTE Band7	5	20775	25	#0	64QAM	26.18	19.78	6.40
LTE Band7	5	21100	25	#0	64QAM	26.14	19.47	6.67
LTE Band7	5	21425	25	#0	64QAM	26.41	19.62	6.79
LTE Band7	10	20800	50	#0	64QAM	26.15	19.76	6.39
LTE Band7	10	21100	50	#0	64QAM	26.24	19.54	6.70
LTE Band7	10	21400	50	#0	64QAM	26.34	19.62	6.72
LTE Band7	15	20825	75	#0	64QAM	26.12	19.67	6.45
LTE Band7	15	21100	75	#0	64QAM	26.27	19.50	6.77
LTE Band7	15	21375	75	#0	64QAM	26.29	19.58	6.71
LTE Band7	20	20850	100	#0	64QAM	26.13	19.63	6.50
LTE Band7	20	21100	100	#0	64QAM	26.22	19.51	6.71
LTE Band7	20	21350	100	#0	64QAM	26.27	19.56	6.71

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Peak Power (dBm)	Avg Power (dBm)	PAPR (dB)
LTE Band12	1.4	23017	6	#0	QPSK	27.42	22.35	5.07
LTE Band12	1.4	23017	6	#0	16QAM	27.21	21.35	5.86
LTE Band12	1.4	23095	6	#0	QPSK	27.93	22.44	5.49
LTE Band12	1.4	23095	6	#0	16QAM	27.80	21.48	6.32
LTE Band12	1.4	23173	6	#0	QPSK	27.30	22.44	4.86
LTE Band12	1.4	23173	6	#0	16QAM	27.40	21.53	5.87
LTE Band12	3	23025	15	#0	QPSK	27.67	22.42	5.25
LTE Band12	3	23025	15	#0	16QAM	27.58	21.45	6.13
LTE Band12	3	23095	15	#0	QPSK	27.99	22.44	5.55
LTE Band12	3	23095	15	#0	16QAM	27.90	21.50	6.40
LTE Band12	3	23165	15	#0	QPSK	27.59	22.46	5.13
LTE Band12	3	23165	15	#0	16QAM	27.52	21.46	6.06
LTE Band12	5	23035	25	#0	QPSK	27.88	22.41	5.47
LTE Band12	5	23035	25	#0	16QAM	27.73	21.47	6.26
LTE Band12	5	23095	25	#0	QPSK	28.06	22.47	5.59
LTE Band12	5	23095	25	#0	16QAM	27.85	21.53	6.32
LTE Band12	5	23155	25	#0	QPSK	27.81	22.50	5.31
LTE Band12	5	23155	25	#0	16QAM	27.62	21.52	6.10
LTE Band12	10	23060	50	#0	QPSK	28.09	22.53	5.56
LTE Band12	10	23060	50	#0	16QAM	27.98	21.58	6.40
LTE Band12	10	23095	50	#0	QPSK	28.11	22.54	5.57

LTE Band12	10	23095	50	#0	16QAM	27.92	21.57	6.35
LTE Band12	10	23130	50	#0	QPSK	27.99	22.53	5.46
LTE Band12	10	23130	50	#0	16QAM	27.82	21.56	6.26
LTE Band12	1.4	23017	6	#0	64QAM	25.80	19.33	6.47
LTE Band12	1.4	23095	6	#0	64QAM	25.86	19.14	6.72
LTE Band12	1.4	23173	6	#0	64QAM	25.52	19.17	6.35
LTE Band12	3	23025	15	#0	64QAM	25.89	19.34	6.55
LTE Band12	3	23095	15	#0	64QAM	25.86	19.15	6.71
LTE Band12	3	23165	15	#0	64QAM	25.65	19.21	6.44
LTE Band12	5	23035	25	#0	64QAM	25.92	19.28	6.64
LTE Band12	5	23095	25	#0	64QAM	25.82	19.15	6.67
LTE Band12	5	23155	25	#0	64QAM	25.63	19.16	6.47
LTE Band12	10	23060	50	#0	64QAM	26.02	19.30	6.72
LTE Band12	10	23095	50	#0	64QAM	25.93	19.23	6.70
LTE Band12	10	23130	50	#0	64QAM	25.78	19.21	6.57

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Peak Power (dBm)	Avg Power (dBm)	PAPR (dB)
LTE Band17	5	23755	25	#0	QPSK	28.11	22.50	5.61
LTE Band17	5	23755	25	#0	16QAM	27.93	21.56	6.37
LTE Band17	5	23790	25	#0	QPSK	27.94	22.49	5.45
LTE Band17	5	23790	25	#0	16QAM	27.74	21.53	6.21
LTE Band17	5	23825	25	#0	QPSK	27.84	22.48	5.36
LTE Band17	5	23825	25	#0	16QAM	27.66	21.51	6.15
LTE Band17	10	23780	50	#0	QPSK	28.13	22.53	5.60
LTE Band17	10	23780	50	#0	16QAM	27.91	21.57	6.34
LTE Band17	10	23790	50	#0	QPSK	28.07	22.51	5.56
LTE Band17	10	23790	50	#0	16QAM	27.89	21.54	6.35
LTE Band17	10	23800	50	#0	QPSK	27.99	22.53	5.46
LTE Band17	10	23800	50	#0	16QAM	27.83	21.53	6.30
LTE Band17	5	23755	25	#0	64QAM	25.87	19.21	6.66
LTE Band17	5	23790	25	#0	64QAM	25.91	19.23	6.68
LTE Band17	5	23825	25	#0	64QAM	25.60	19.13	6.47
LTE Band17	10	23780	50	#0	64QAM	25.94	19.28	6.66
LTE Band17	10	23790	50	#0	64QAM	25.92	19.26	6.66
LTE Band17	10	23800	50	#0	64QAM	25.83	19.24	6.59

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Peak Power (dBm)	Avg Power (dBm)	PAPR (dB)
LTE Band25	1.4	26047	6	#0	QPSK	27.80	22.54	5.26
LTE Band25	1.4	26047	6	#0	16QAM	27.67	21.53	6.14
LTE Band25	1.4	26365	6	#0	QPSK	27.79	22.36	5.43
LTE Band25	1.4	26365	6	#0	16QAM	27.60	21.37	6.23
LTE Band25	1.4	26683	6	#0	QPSK	27.06	22.36	4.70

LTE Band25	1.4	26683	6	#0	16QAM	26.92	21.34	5.58
LTE Band25	3	26055	15	#0	QPSK	27.88	22.51	5.37
LTE Band25	3	26055	15	#0	16QAM	27.68	21.52	6.16
LTE Band25	3	26365	15	#0	QPSK	27.77	22.33	5.44
LTE Band25	3	26365	15	#0	16QAM	27.67	21.35	6.32
LTE Band25	3	26675	15	#0	QPSK	27.19	22.31	4.88
LTE Band25	3	26675	15	#0	16QAM	27.13	21.33	5.80
LTE Band25	5	26065	25	#0	QPSK	28.03	22.51	5.52
LTE Band25	5	26065	25	#0	16QAM	27.84	21.55	6.29
LTE Band25	5	26365	25	#0	QPSK	27.84	22.34	5.50
LTE Band25	5	26365	25	#0	16QAM	27.69	21.38	6.31
LTE Band25	5	26665	25	#0	QPSK	27.40	22.35	5.05
LTE Band25	5	26665	25	#0	16QAM	27.19	21.38	5.81
LTE Band25	10	26090	50	#0	QPSK	28.13	22.55	5.58
LTE Band25	10	26090	50	#0	16QAM	27.96	21.59	6.37
LTE Band25	10	26365	50	#0	QPSK	27.88	22.37	5.51
LTE Band25	10	26365	50	#0	16QAM	27.74	21.41	6.33
LTE Band25	10	26640	50	#0	QPSK	27.40	22.29	5.11
LTE Band25	10	26640	50	#0	16QAM	27.16	21.29	5.87
LTE Band25	15	26115	75	#0	QPSK	28.50	22.54	5.96
LTE Band25	15	26115	75	#0	16QAM	28.01	21.53	6.48
LTE Band25	15	26365	75	#0	QPSK	28.23	22.35	5.88
LTE Band25	15	26365	75	#0	16QAM	27.78	21.37	6.41
LTE Band25	15	26615	75	#0	QPSK	27.75	22.33	5.42
LTE Band25	15	26615	75	#0	16QAM	27.32	21.31	6.01
LTE Band25	20	26140	100	#0	QPSK	28.11	22.44	5.67
LTE Band25	20	26140	100	#0	16QAM	27.92	21.51	6.41
LTE Band25	20	26365	100	#0	QPSK	27.87	22.26	5.61
LTE Band25	20	26365	100	#0	16QAM	27.63	21.28	6.35
LTE Band25	20	26590	100	#0	QPSK	27.60	22.20	5.40
LTE Band25	20	26590	100	#0	16QAM	27.36	21.24	6.12
LTE Band25	1.4	26047	6	#0	64QAM	25.76	19.30	6.46
LTE Band25	1.4	26365	6	#0	64QAM	25.51	19.07	6.44
LTE Band25	1.4	26683	6	#0	64QAM	25.14	19.07	6.07
LTE Band25	3	26055	15	#0	64QAM	25.80	19.35	6.45
LTE Band25	3	26365	15	#0	64QAM	25.48	19.01	6.47
LTE Band25	3	26675	15	#0	64QAM	25.26	19.07	6.19
LTE Band25	5	26065	25	#0	64QAM	25.83	19.32	6.51
LTE Band25	5	26365	25	#0	64QAM	25.47	19.01	6.46
LTE Band25	5	26665	25	#0	64QAM	25.39	19.12	6.27
LTE Band25	10	26090	50	#0	64QAM	25.90	19.37	6.53
LTE Band25	10	26365	50	#0	64QAM	25.49	18.99	6.50
LTE Band25	10	26640	50	#0	64QAM	25.28	19.01	6.27

LTE Band25	15	26115	75	#0	64QAM	25.87	19.25	6.62
LTE Band25	15	26365	75	#0	64QAM	25.51	18.98	6.53
LTE Band25	15	26615	75	#0	64QAM	25.23	18.89	6.34
LTE Band25	20	26140	100	#0	64QAM	25.76	19.15	6.61
LTE Band25	20	26365	100	#0	64QAM	25.44	18.91	6.53
LTE Band25	20	26590	100	#0	64QAM	25.25	18.81	6.44

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Peak Power (dBm)	Avg Power (dBm)	PAPR (dB)
LTE Band26 (814-824)	1.4	26697	6	#0	QPSK	27.90	22.27	5.63
LTE Band26 (814-824)	1.4	26697	6	#0	16QAM	27.75	21.28	6.47
LTE Band26 (814-824)	1.4	26740	6	#0	QPSK	28.23	22.25	5.98
LTE Band26 (814-824)	1.4	26740	6	#0	16QAM	28.13	21.32	6.81
LTE Band26 (814-824)	1.4	26783	6	#0	QPSK	28.15	22.26	5.89
LTE Band26 (814-824)	1.4	26783	6	#0	16QAM	28.16	21.35	6.81
LTE Band26 (814-824)	3	26705	15	#0	QPSK	28.07	22.26	5.81
LTE Band26 (814-824)	3	26705	15	#0	16QAM	27.94	21.30	6.64
LTE Band26 (814-824)	3	26740	15	#0	QPSK	28.28	22.25	6.03
LTE Band26 (814-824)	3	26740	15	#0	16QAM	28.27	21.32	6.95
LTE Band26 (814-824)	3	26775	15	#0	QPSK	28.25	22.27	5.98
LTE Band26 (814-824)	3	26775	15	#0	16QAM	28.19	21.35	6.84
LTE Band26 (814-824)	5	26715	25	#0	QPSK	28.26	22.28	5.98
LTE Band26 (814-824)	5	26715	25	#0	16QAM	28.01	21.33	6.68
LTE Band26 (814-824)	5	26740	25	#0	QPSK	28.48	22.33	6.15
LTE Band26 (814-824)	5	26740	25	#0	16QAM	28.22	21.38	6.84
LTE Band26 (814-824)	5	26765	25	#0	QPSK	28.40	22.30	6.10
LTE Band26 (814-824)	5	26765	25	#0	16QAM	28.19	21.35	6.84
LTE Band26 (814-824)	10	26740	50	#0	QPSK	28.42	22.38	6.04
LTE Band26 (814-824)	10	26740	50	#0	16QAM	28.24	21.43	6.81
LTE Band26 (814-824)	1.4	26697	6	#0	64QAM	26.48	19.58	6.90
LTE Band26 (814-824)	1.4	26740	6	#0	64QAM	26.48	19.44	7.04
LTE Band26 (814-824)	1.4	26783	6	#0	64QAM	26.44	19.32	7.12
LTE Band26 (814-824)	3	26705	15	#0	64QAM	26.36	19.53	6.83
LTE Band26 (814-824)	3	26740	15	#0	64QAM	26.43	19.44	6.99
LTE Band26 (814-824)	3	26775	15	#0	64QAM	26.39	19.29	7.10
LTE Band26 (814-824)	5	26715	25	#0	64QAM	26.30	19.48	6.82
LTE Band26 (814-824)	5	26740	25	#0	64QAM	26.45	19.47	6.98
LTE Band26 (814-824)	5	26765	25	#0	64QAM	26.38	19.35	7.03
LTE Band26 (814-824)	10	26740	50	#0	64QAM	26.46	19.50	6.96

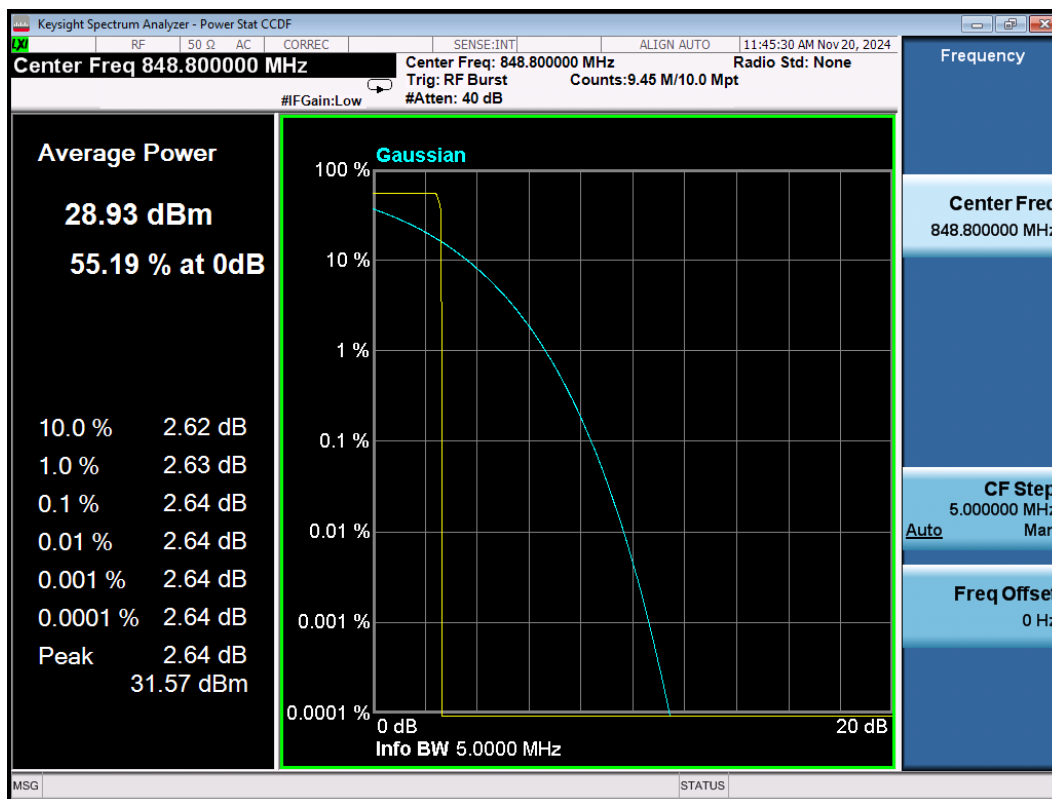
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Peak Power (dBm)	Avg Power (dBm)	PAPR (dB)
LTE Band26 (824-849)	1.4	26797	6	#0	QPSK	28.24	22.35	5.89
LTE Band26 (824-849)	1.4	26797	6	#0	16QAM	27.98	21.40	6.58

LTE Band26 (824-849)	1.4	26915	6	#0	QPSK	28.32	22.36	5.96
LTE Band26 (824-849)	1.4	26915	6	#0	16QAM	28.22	21.45	6.77
LTE Band26 (824-849)	1.4	27033	6	#0	QPSK	27.99	22.38	5.61
LTE Band26 (824-849)	1.4	27033	6	#0	16QAM	27.81	21.41	6.40
LTE Band26 (824-849)	3	26805	15	#0	QPSK	28.20	22.34	5.86
LTE Band26 (824-849)	3	26805	15	#0	16QAM	28.08	21.39	6.69
LTE Band26 (824-849)	3	26915	15	#0	QPSK	28.37	22.40	5.97
LTE Band26 (824-849)	3	26915	15	#0	16QAM	28.24	21.43	6.81
LTE Band26 (824-849)	3	27025	15	#0	QPSK	28.05	22.39	5.66
LTE Band26 (824-849)	3	27025	15	#0	16QAM	27.95	21.44	6.51
LTE Band26 (824-849)	5	26815	25	#0	QPSK	28.20	22.36	5.84
LTE Band26 (824-849)	5	26815	25	#0	16QAM	28.01	21.40	6.61
LTE Band26 (824-849)	5	26915	25	#0	QPSK	28.55	22.45	6.10
LTE Band26 (824-849)	5	26915	25	#0	16QAM	28.24	21.47	6.77
LTE Band26 (824-849)	5	27015	25	#0	QPSK	28.24	22.42	5.82
LTE Band26 (824-849)	5	27015	25	#0	16QAM	28.03	21.48	6.55
LTE Band26 (824-849)	10	26840	50	#0	QPSK	28.16	22.36	5.80
LTE Band26 (824-849)	10	26840	50	#0	16QAM	27.99	21.41	6.58
LTE Band26 (824-849)	10	26915	50	#0	QPSK	28.54	22.51	6.03
LTE Band26 (824-849)	10	26915	50	#0	16QAM	28.28	21.53	6.75
LTE Band26 (824-849)	10	26990	50	#0	QPSK	28.32	22.43	5.89
LTE Band26 (824-849)	10	26990	50	#0	16QAM	28.16	21.48	6.68
LTE Band26 (824-849)	15	26865	75	#0	QPSK	28.62	22.39	6.23
LTE Band26 (824-849)	15	26865	75	#0	16QAM	28.17	21.44	6.73
LTE Band26 (824-849)	15	26915	75	#0	QPSK	28.77	22.50	6.27
LTE Band26 (824-849)	15	26915	75	#0	16QAM	28.31	21.53	6.78
LTE Band26 (824-849)	15	26965	75	#0	QPSK	28.59	22.39	6.20
LTE Band26 (824-849)	15	26965	75	#0	16QAM	28.10	21.41	6.69
LTE Band26 (824-849)	1.4	26797	6	#0	64QAM	26.34	19.31	7.03
LTE Band26 (824-849)	1.4	26915	6	#0	64QAM	26.05	19.02	7.03
LTE Band26 (824-849)	1.4	27033	6	#0	64QAM	26.09	19.36	6.73
LTE Band26 (824-849)	3	26805	15	#0	64QAM	26.06	19.16	6.90
LTE Band26 (824-849)	3	26915	15	#0	64QAM	26.15	19.06	7.09
LTE Band26 (824-849)	3	27025	15	#0	64QAM	26.13	19.34	6.79
LTE Band26 (824-849)	5	26815	25	#0	64QAM	26.02	19.18	6.84
LTE Band26 (824-849)	5	26915	25	#0	64QAM	26.09	19.09	7.00
LTE Band26 (824-849)	5	27015	25	#0	64QAM	26.18	19.36	6.82
LTE Band26 (824-849)	10	26840	50	#0	64QAM	25.87	19.07	6.80
LTE Band26 (824-849)	10	26915	50	#0	64QAM	26.18	19.20	6.98
LTE Band26 (824-849)	10	26990	50	#0	64QAM	26.16	19.32	6.84
LTE Band26 (824-849)	15	26865	75	#0	64QAM	26.06	19.13	6.93
LTE Band26 (824-849)	15	26915	75	#0	64QAM	26.16	19.19	6.97
LTE Band26 (824-849)	15	26965	75	#0	64QAM	26.10	19.21	6.89

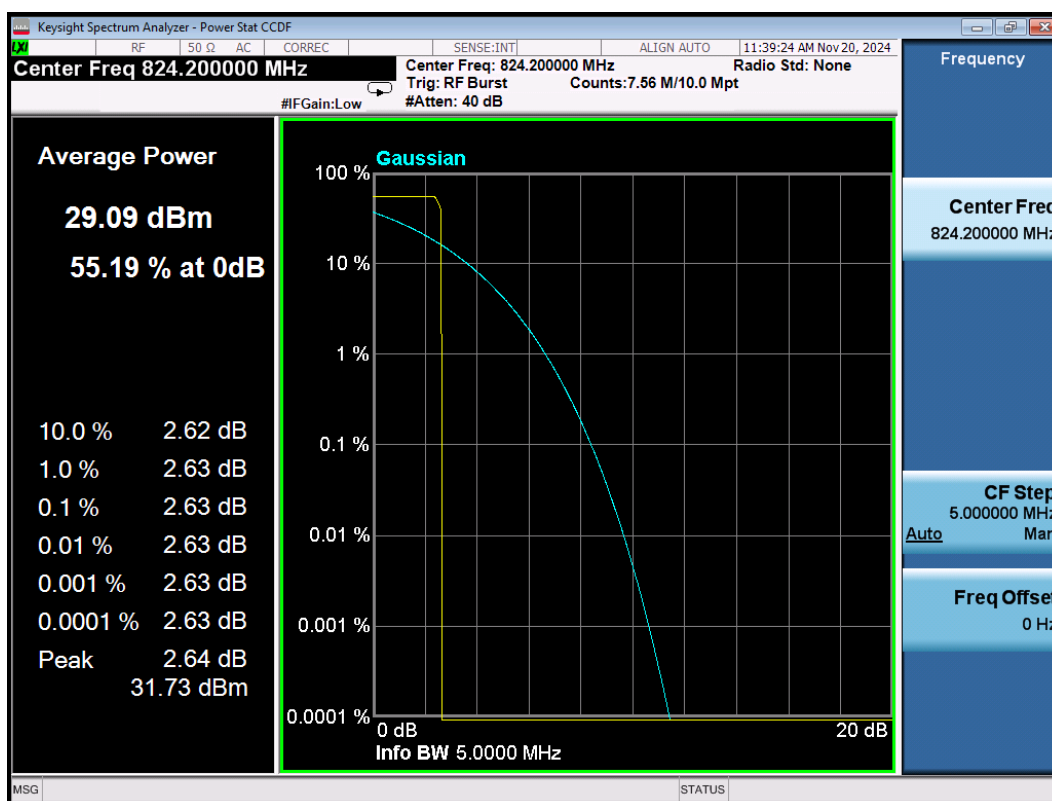
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Peak Power (dBm)	Avg Power (dBm)	PAPR (dB)
LTE Band38	5	37775	25	#0	QPSK	27.99	19.32	8.67
LTE Band38	5	37775	25	#0	16QAM	27.62	18.50	9.12
LTE Band38	5	38000	25	#0	QPSK	27.87	18.82	9.05
LTE Band38	5	38000	25	#0	16QAM	27.51	17.21	10.30
LTE Band38	5	38225	25	#0	QPSK	27.79	18.40	9.39
LTE Band38	5	38225	25	#0	16QAM	27.53	18.14	9.39
LTE Band38	10	37800	50	#0	QPSK	27.91	18.84	9.07
LTE Band38	10	37800	50	#0	16QAM	27.64	17.46	10.18
LTE Band38	10	38000	50	#0	QPSK	27.90	19.01	8.89
LTE Band38	10	38000	50	#0	16QAM	27.68	18.52	9.16
LTE Band38	10	38200	50	#0	QPSK	27.64	17.01	10.63
LTE Band38	10	38200	50	#0	16QAM	27.35	16.37	10.98
LTE Band38	15	37825	75	#0	QPSK	28.14	17.75	10.39
LTE Band38	15	37825	75	#0	16QAM	27.71	17.26	10.45
LTE Band38	15	38000	75	#0	QPSK	28.24	19.00	9.24
LTE Band38	15	38000	75	#0	16QAM	27.68	17.13	10.55
LTE Band38	15	38175	75	#0	QPSK	28.14	18.80	9.34
LTE Band38	15	38175	75	#0	16QAM	27.56	16.96	10.60
LTE Band38	20	37850	100	#0	QPSK	27.95	19.38	8.57
LTE Band38	20	37850	100	#0	16QAM	27.52	17.35	10.17
LTE Band38	20	38000	100	#0	QPSK	27.80	18.88	8.92
LTE Band38	20	38000	100	#0	16QAM	27.54	17.71	9.83
LTE Band38	20	38150	100	#0	QPSK	27.60	17.38	10.22
LTE Band38	20	38150	100	#0	16QAM	27.53	18.38	9.15
LTE Band38	5	37775	25	#0	64QAM	25.58	14.37	11.21
LTE Band38	5	38000	25	#0	64QAM	25.59	15.54	10.05
LTE Band38	5	38225	25	#0	64QAM	25.50	16.22	9.28
LTE Band38	10	37800	50	#0	64QAM	25.84	15.95	9.89
LTE Band38	10	38000	50	#0	64QAM	25.59	15.09	10.50
LTE Band38	10	38200	50	#0	64QAM	25.52	16.30	9.22
LTE Band38	15	37825	75	#0	64QAM	25.54	15.02	10.52
LTE Band38	15	38000	75	#0	64QAM	25.49	15.51	9.98
LTE Band38	15	38175	75	#0	64QAM	25.42	15.08	10.34
LTE Band38	20	37850	100	#0	64QAM	25.57	14.90	10.67
LTE Band38	20	38000	100	#0	64QAM	25.44	14.73	10.71
LTE Band38	20	38150	100	#0	64QAM	25.54	15.64	9.90

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Peak Power (dBm)	Avg Power (dBm)	PAPR (dB)
LTE Band41	5	40065	25	#0	QPSK	27.21	17.66	9.55
LTE Band41	5	40065	25	#0	16QAM	26.98	17.07	9.91
LTE Band41	5	40640	25	#0	QPSK	27.01	17.67	9.34

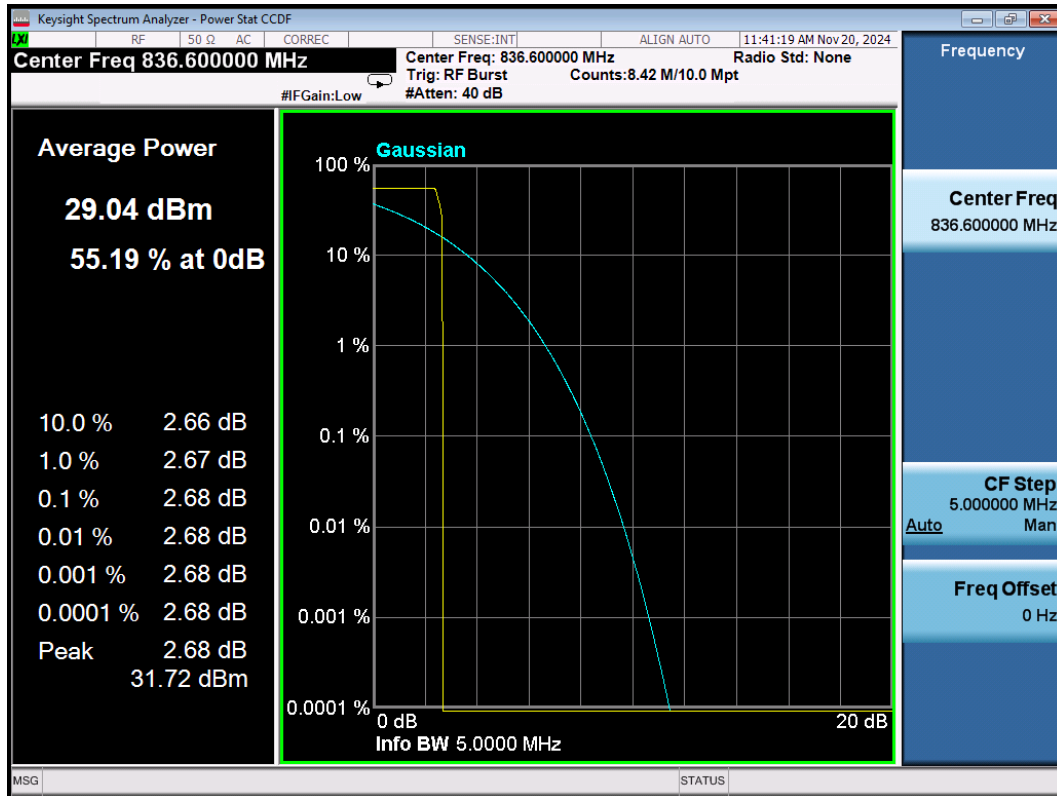
LTE Band41	5	40640	25	#0	16QAM	26.64	16.89	9.75
LTE Band41	5	41215	25	#0	QPSK	26.77	17.36	9.41
LTE Band41	5	41215	25	#0	16QAM	26.45	16.24	10.21
LTE Band41	10	40090	50	#0	QPSK	27.35	18.01	9.34
LTE Band41	10	40090	50	#0	16QAM	27.03	16.37	10.66
LTE Band41	10	40640	50	#0	QPSK	27.08	17.52	9.56
LTE Band41	10	40640	50	#0	16QAM	26.64	16.04	10.60
LTE Band41	10	41190	50	#0	QPSK	26.86	17.49	9.37
LTE Band41	10	41190	50	#0	16QAM	26.61	15.75	10.86
LTE Band41	15	40115	75	#0	QPSK	27.65	17.80	9.85
LTE Band41	15	40115	75	#0	16QAM	27.32	17.91	9.41
LTE Band41	15	40640	75	#0	QPSK	27.31	17.85	9.46
LTE Band41	15	40640	75	#0	16QAM	26.92	17.32	9.60
LTE Band41	15	41165	75	#0	QPSK	27.22	17.20	10.02
LTE Band41	15	41165	75	#0	16QAM	26.70	16.22	10.48
LTE Band41	20	40140	100	#0	QPSK	27.29	18.54	8.75
LTE Band41	20	40140	100	#0	16QAM	27.09	17.87	9.22
LTE Band41	20	40640	100	#0	QPSK	27.00	18.05	8.95
LTE Band41	20	40640	100	#0	16QAM	26.74	16.90	9.84
LTE Band41	20	41140	100	#0	QPSK	26.75	16.42	10.33
LTE Band41	20	41140	100	#0	16QAM	26.74	17.79	8.95
LTE Band41	5	40065	25	#0	64QAM	25.15	15.13	10.02
LTE Band41	5	40640	25	#0	64QAM	25.39	15.83	9.56
LTE Band41	5	41215	25	#0	64QAM	24.99	14.77	10.22
LTE Band41	10	40090	50	#0	64QAM	25.20	13.94	11.26
LTE Band41	10	40640	50	#0	64QAM	25.42	15.16	10.26
LTE Band41	10	41190	50	#0	64QAM	25.17	15.06	10.11
LTE Band41	15	40115	75	#0	64QAM	25.31	15.23	10.08
LTE Band41	15	40640	75	#0	64QAM	25.35	15.40	9.95
LTE Band41	15	41165	75	#0	64QAM	24.74	12.03	12.71
LTE Band41	20	40140	100	#0	64QAM	25.24	14.25	10.99
LTE Band41	20	40640	100	#0	64QAM	25.26	14.96	10.30
LTE Band41	20	41140	100	#0	64QAM	25.21	14.99	10.22



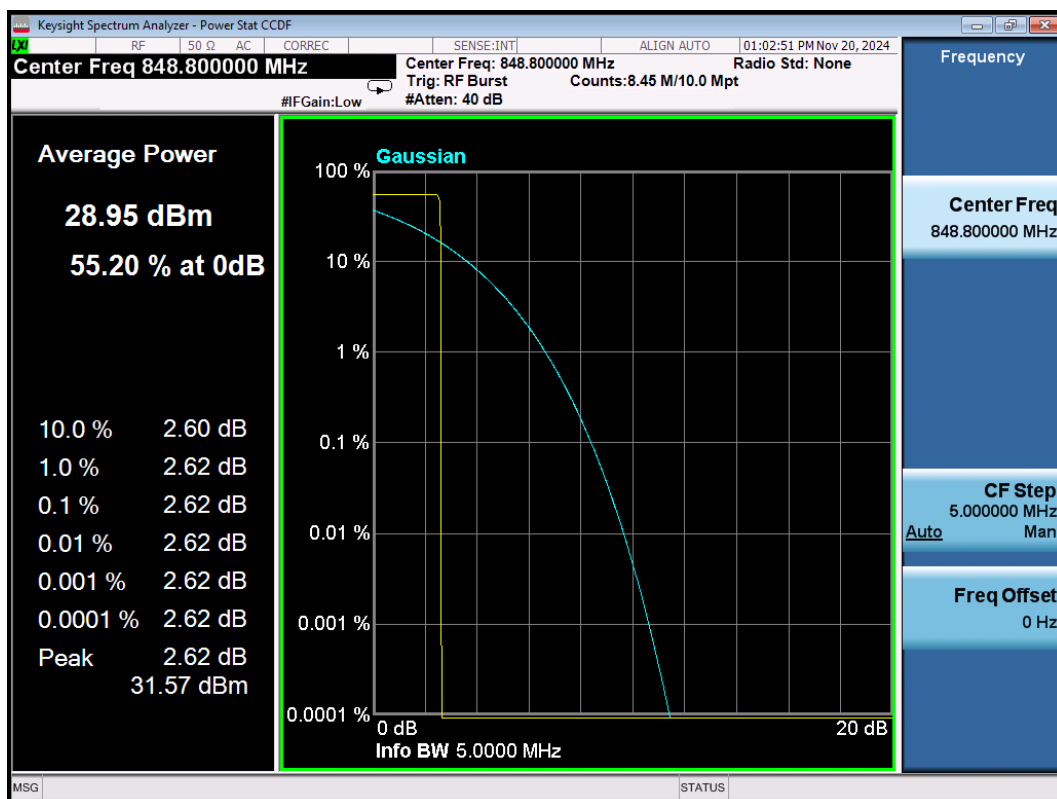
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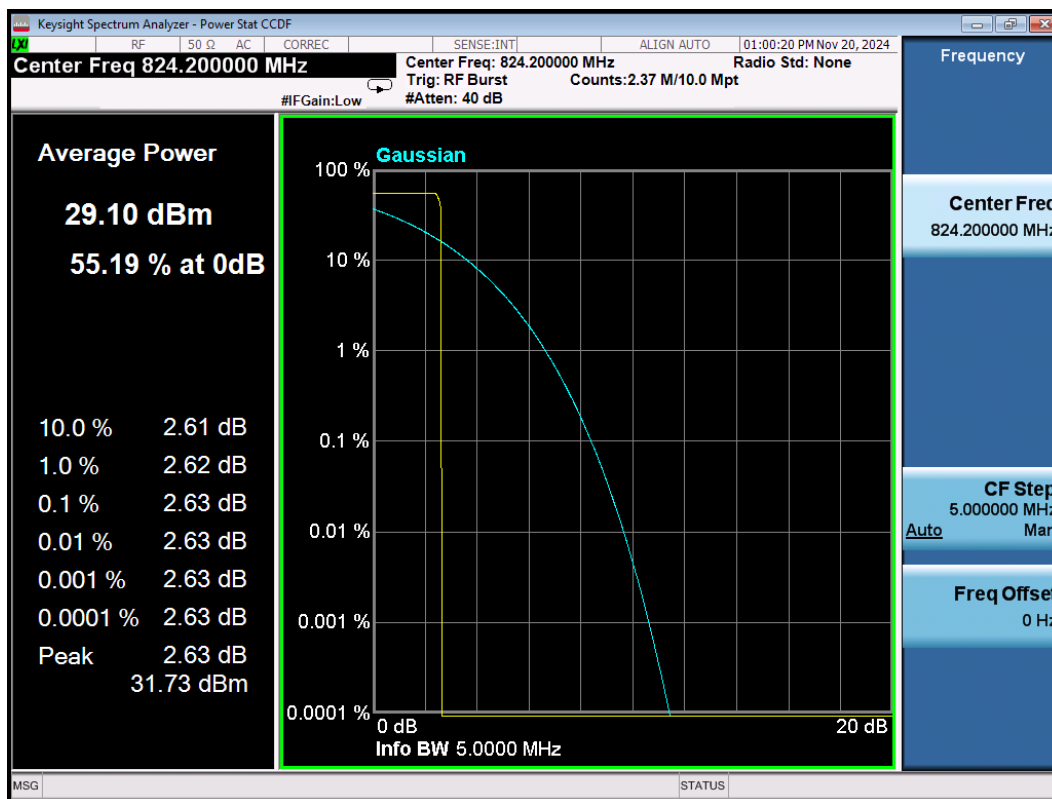
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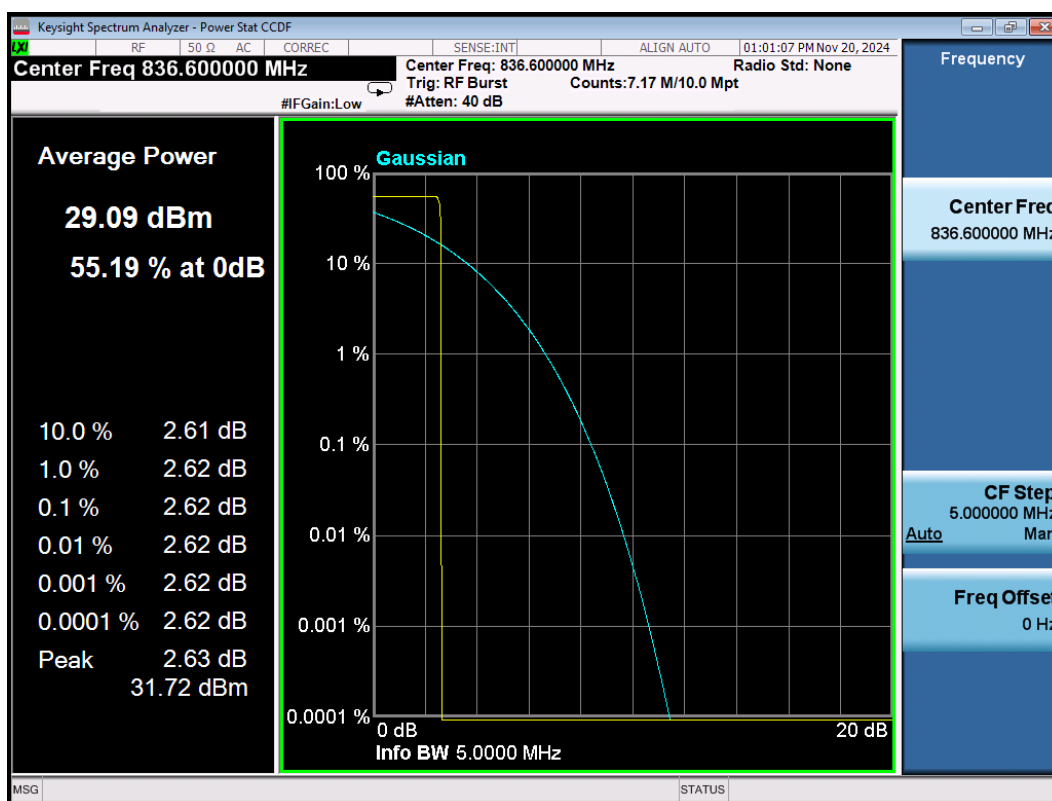
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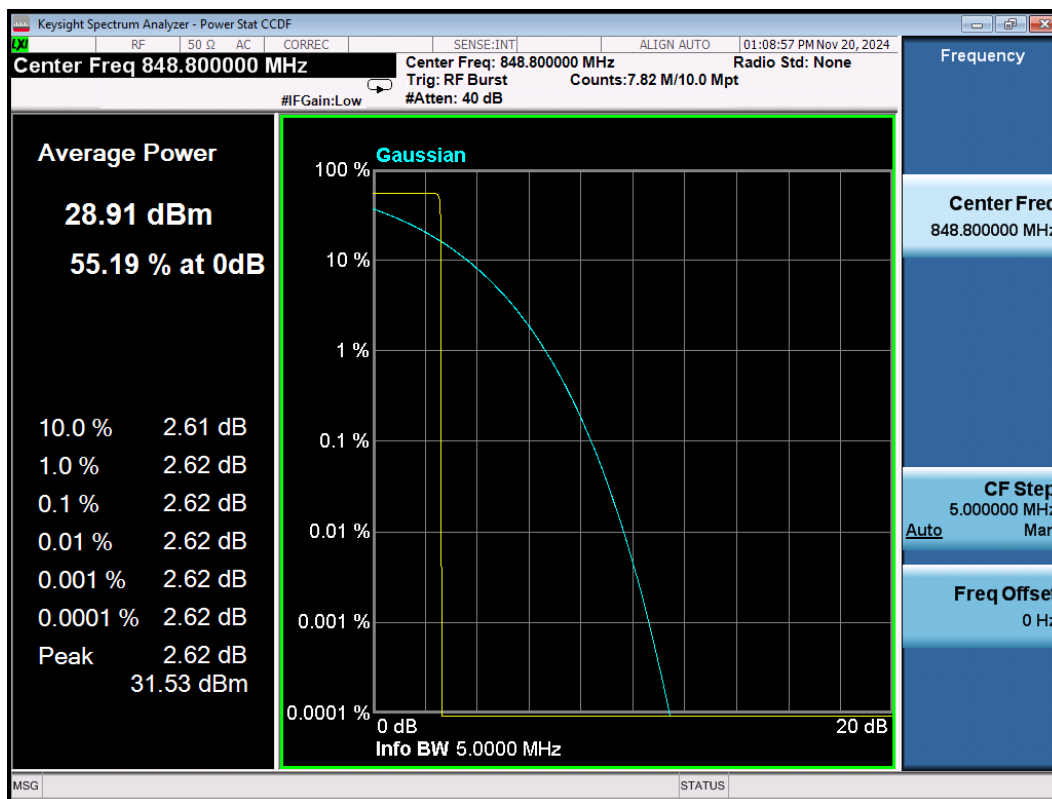
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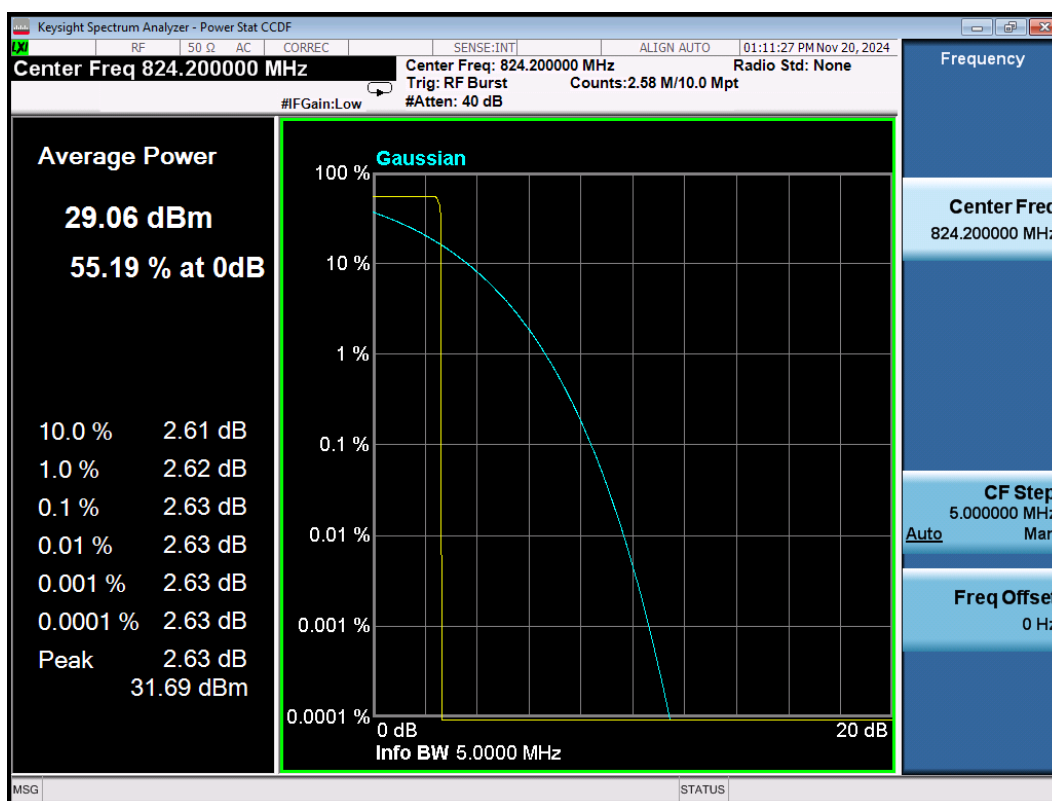
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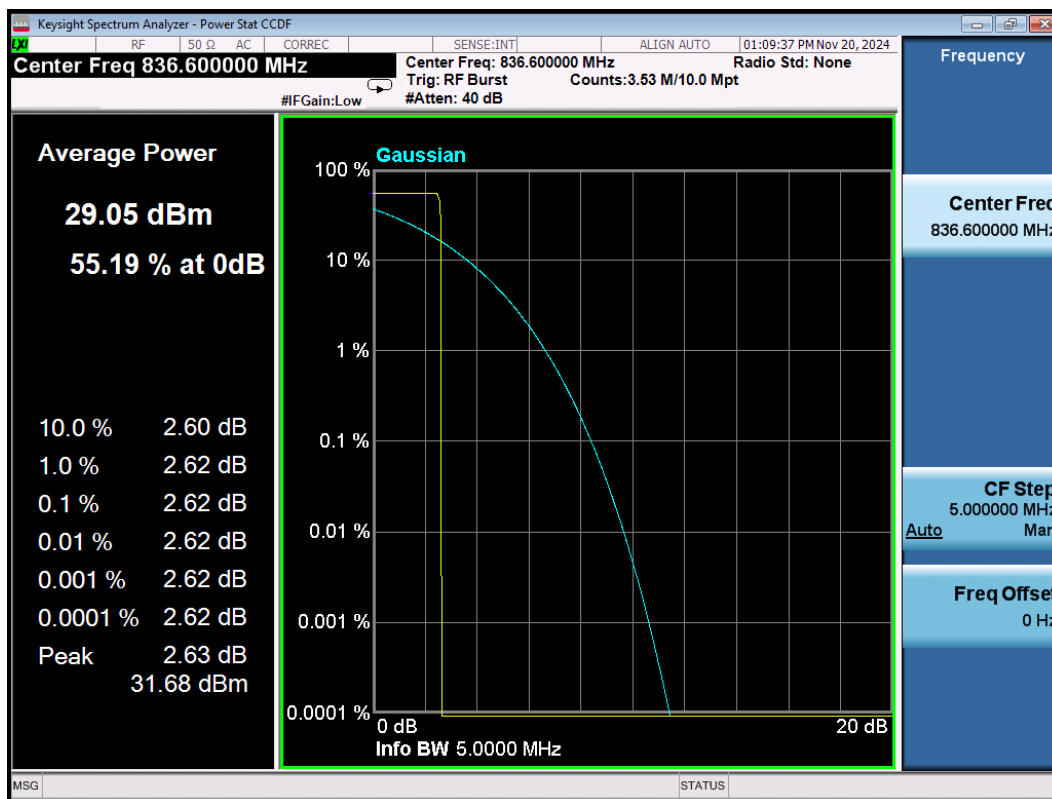
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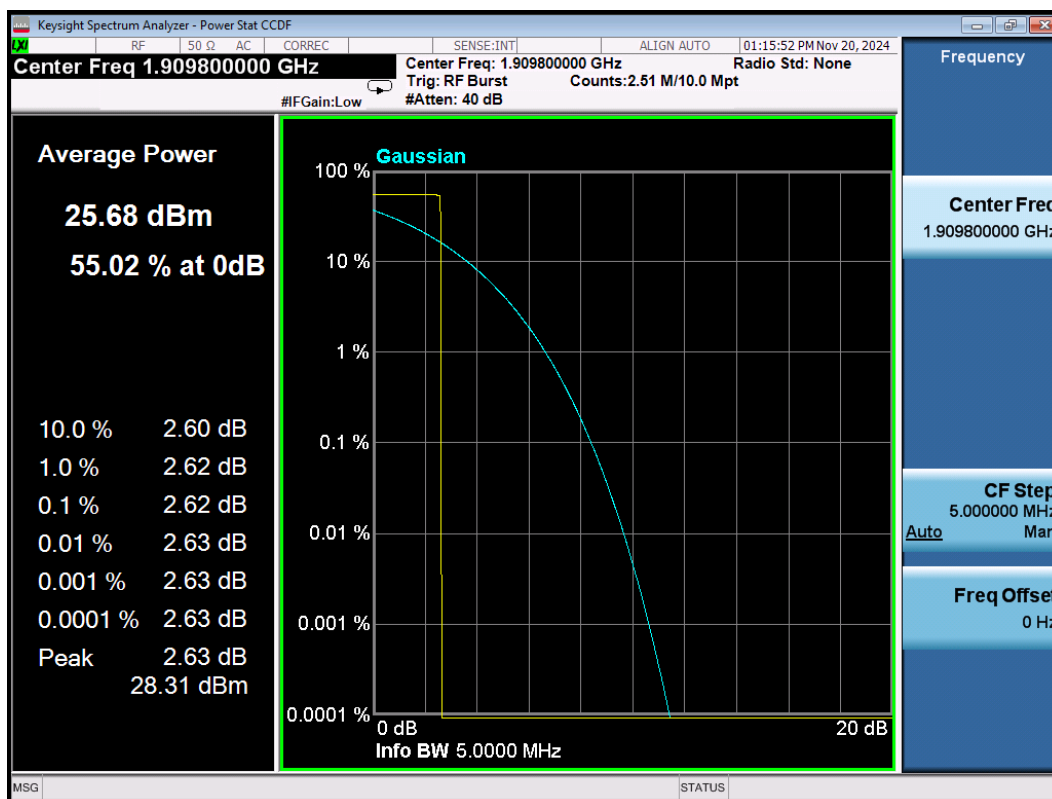
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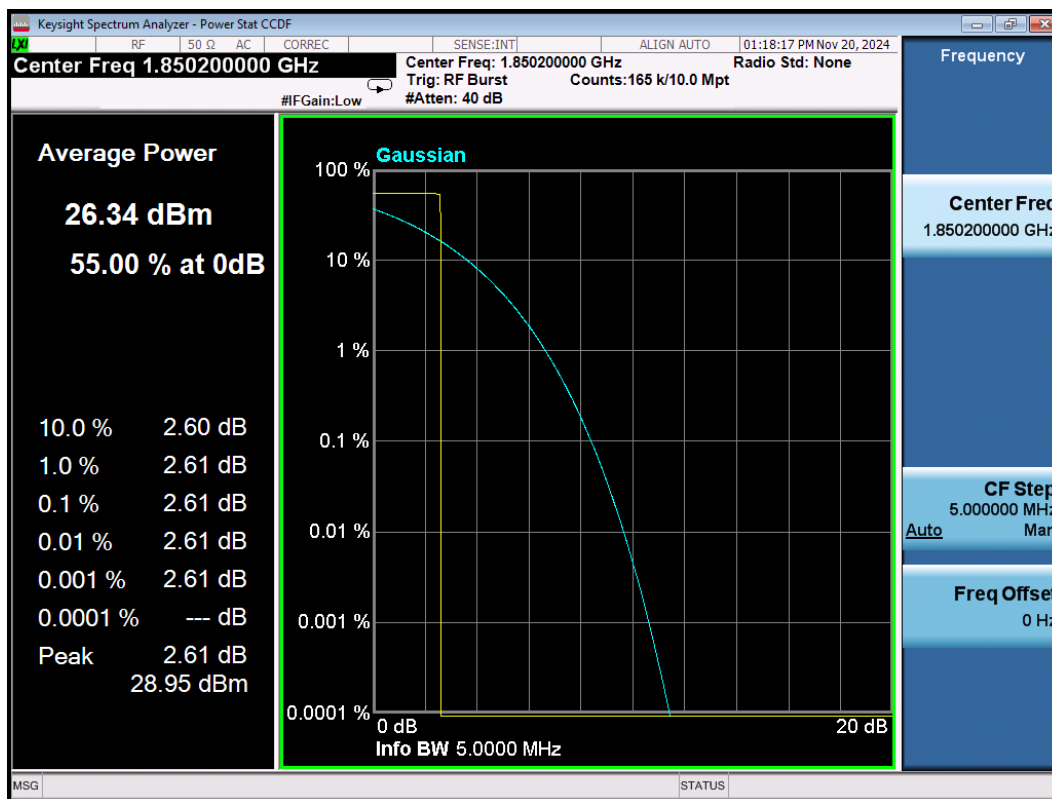
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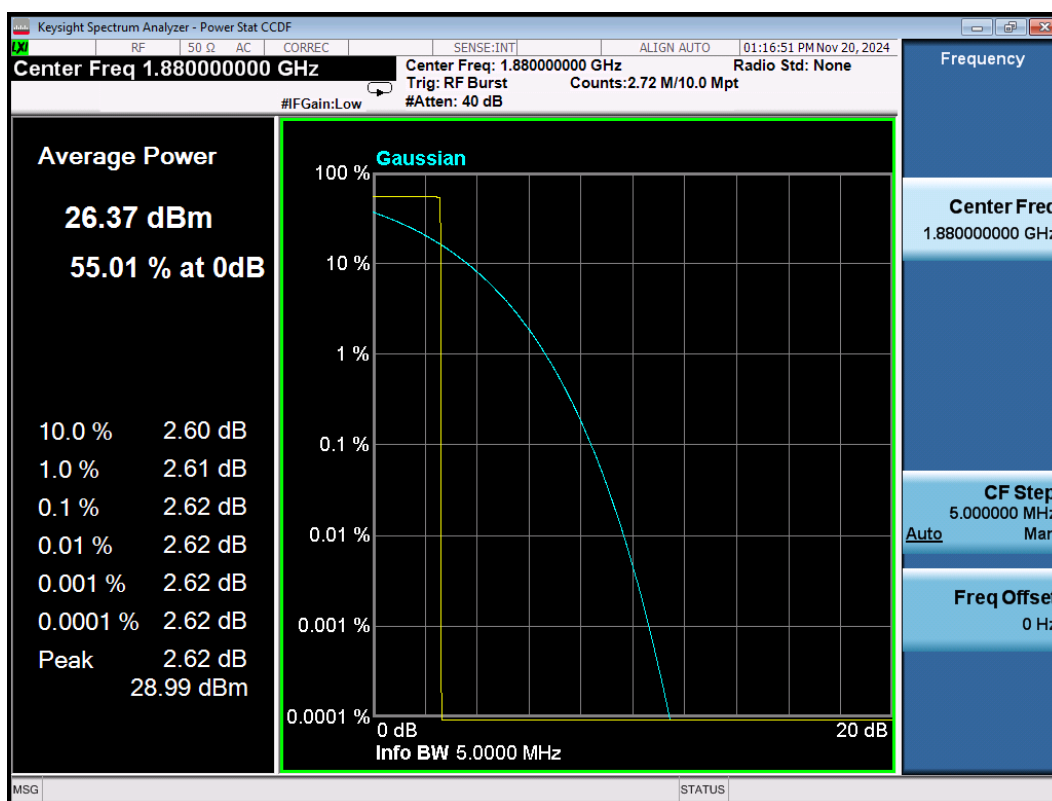
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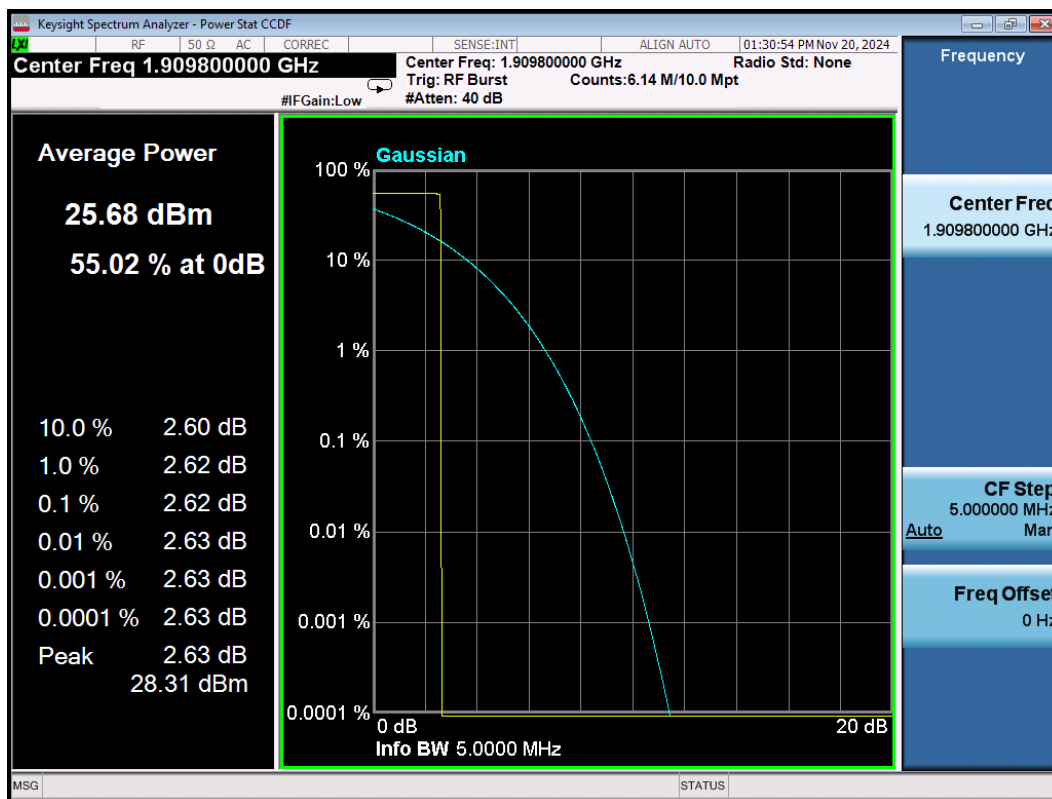
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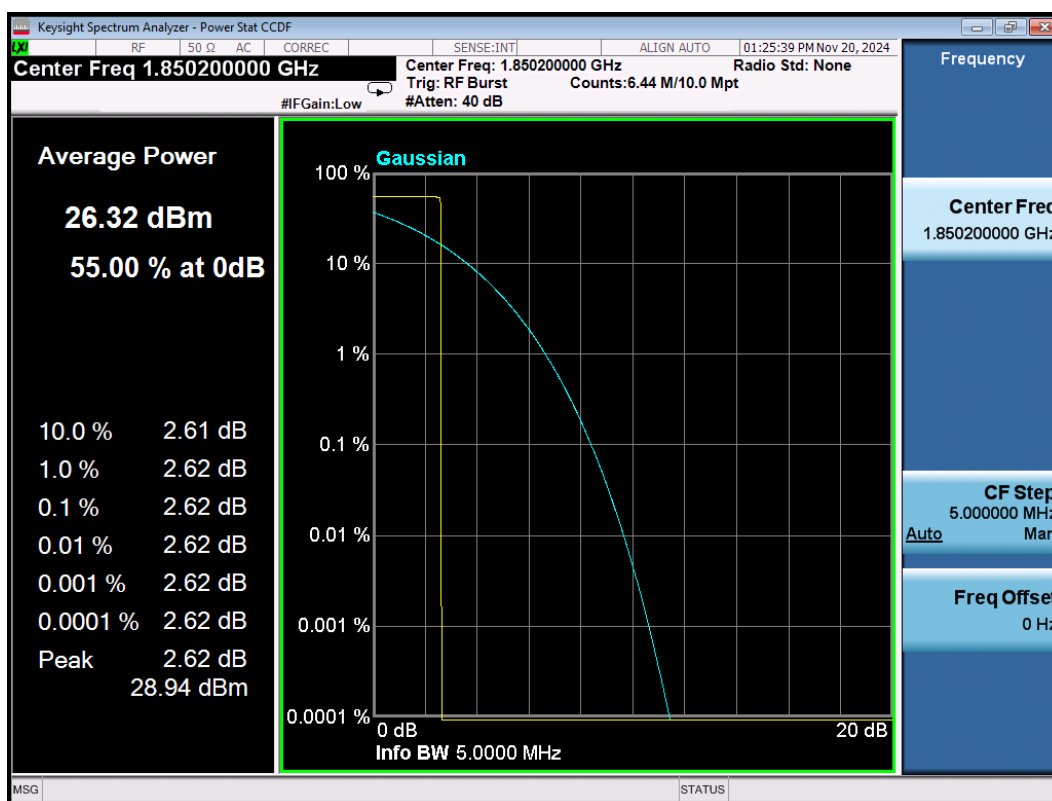
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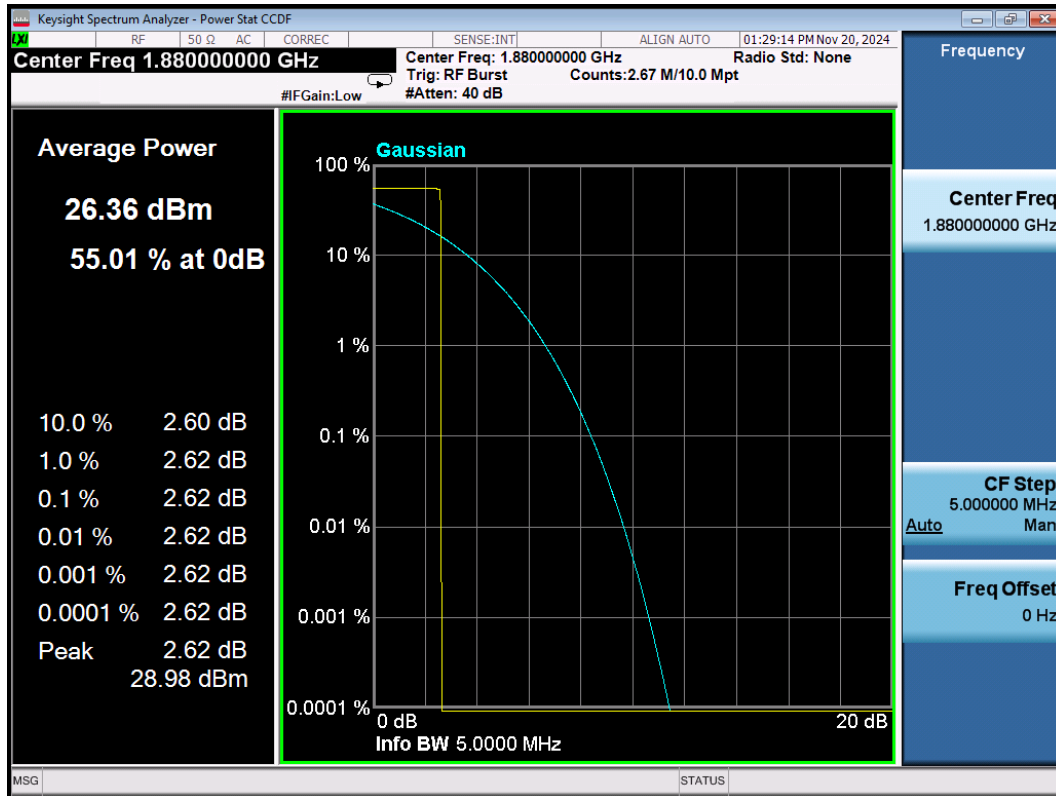
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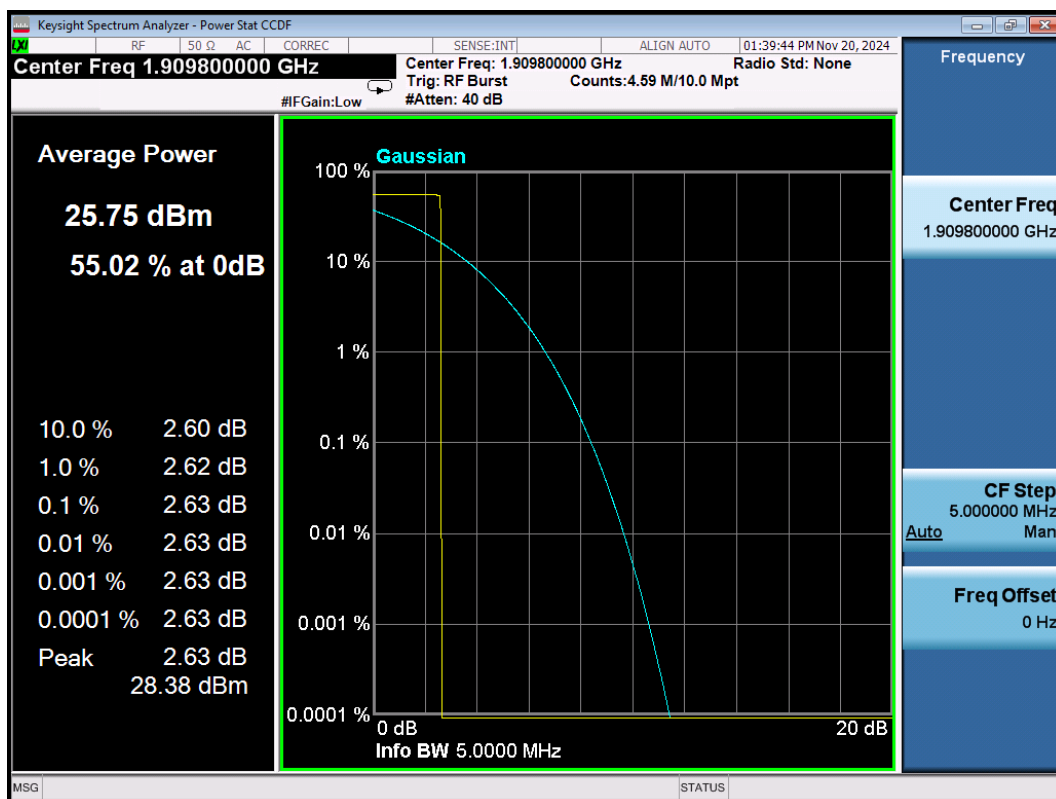
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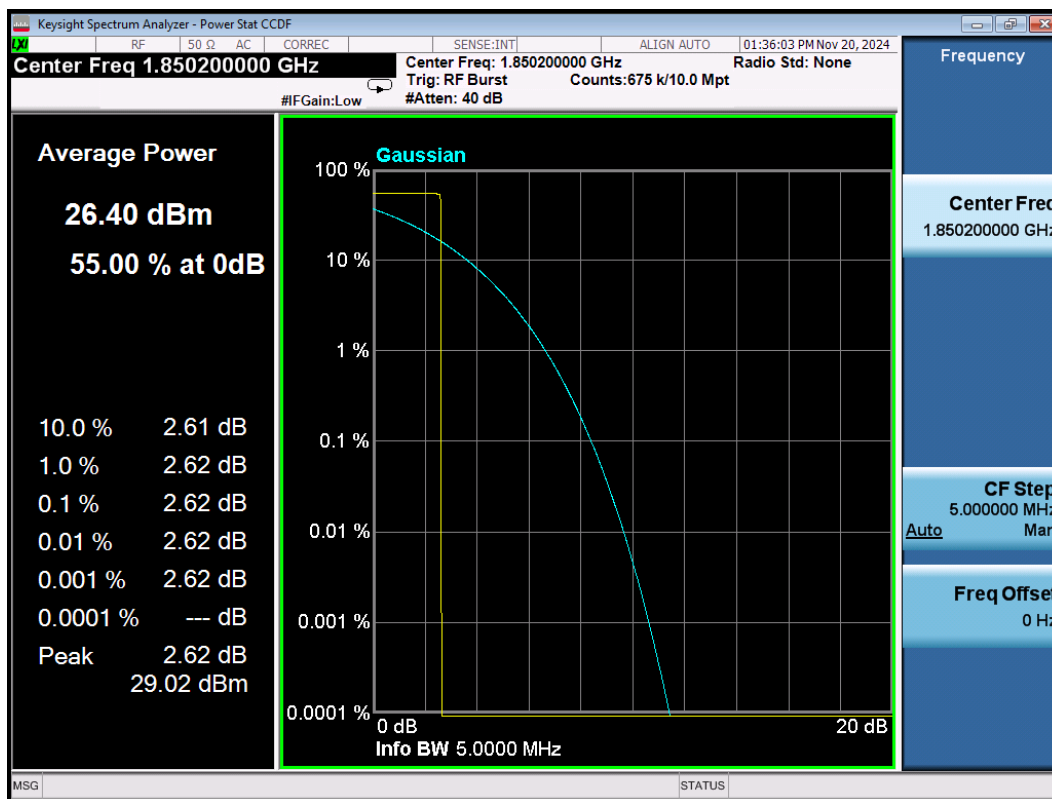
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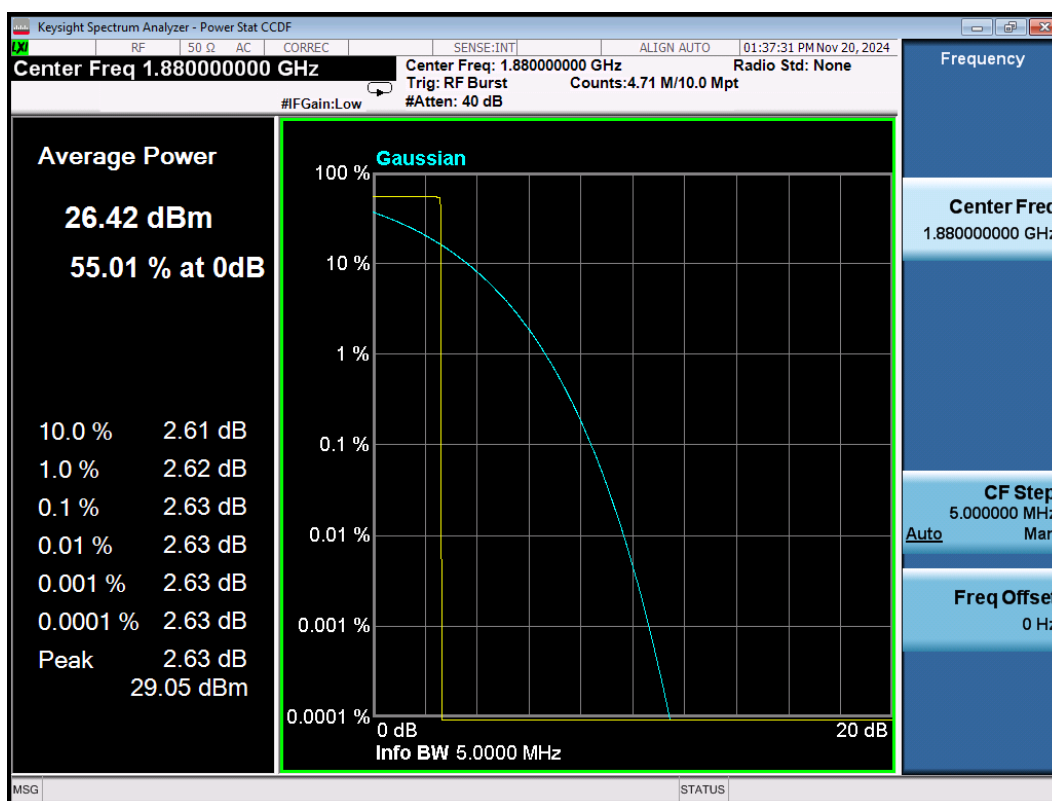
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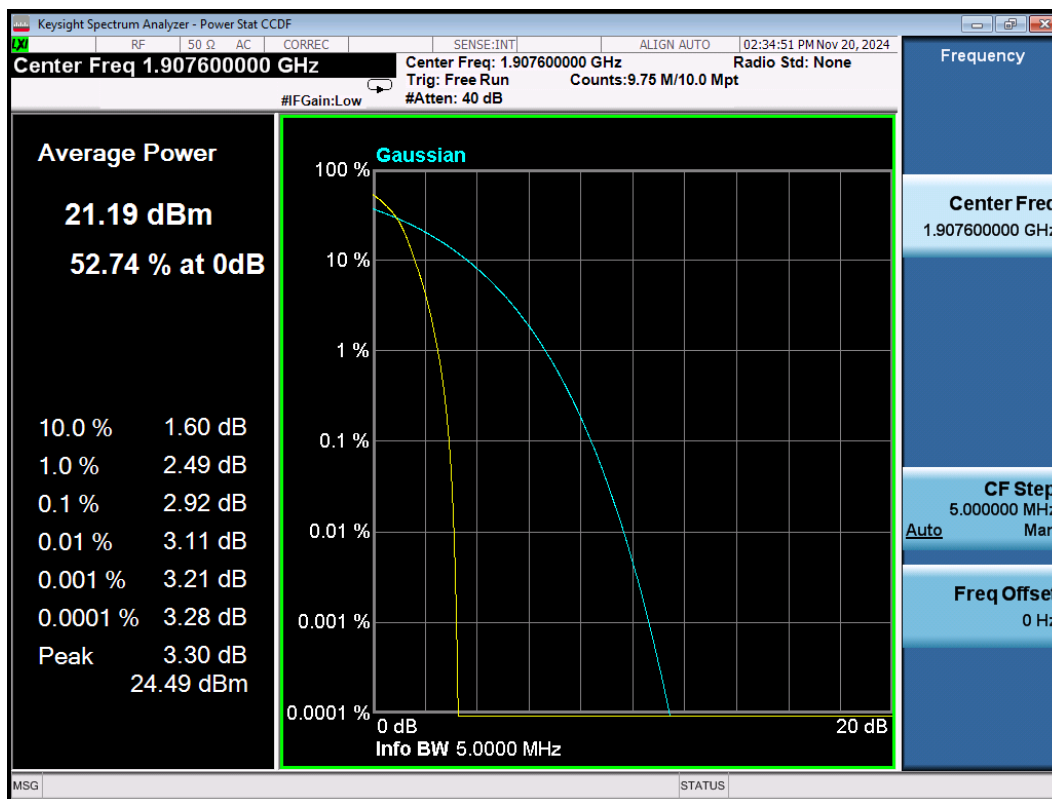
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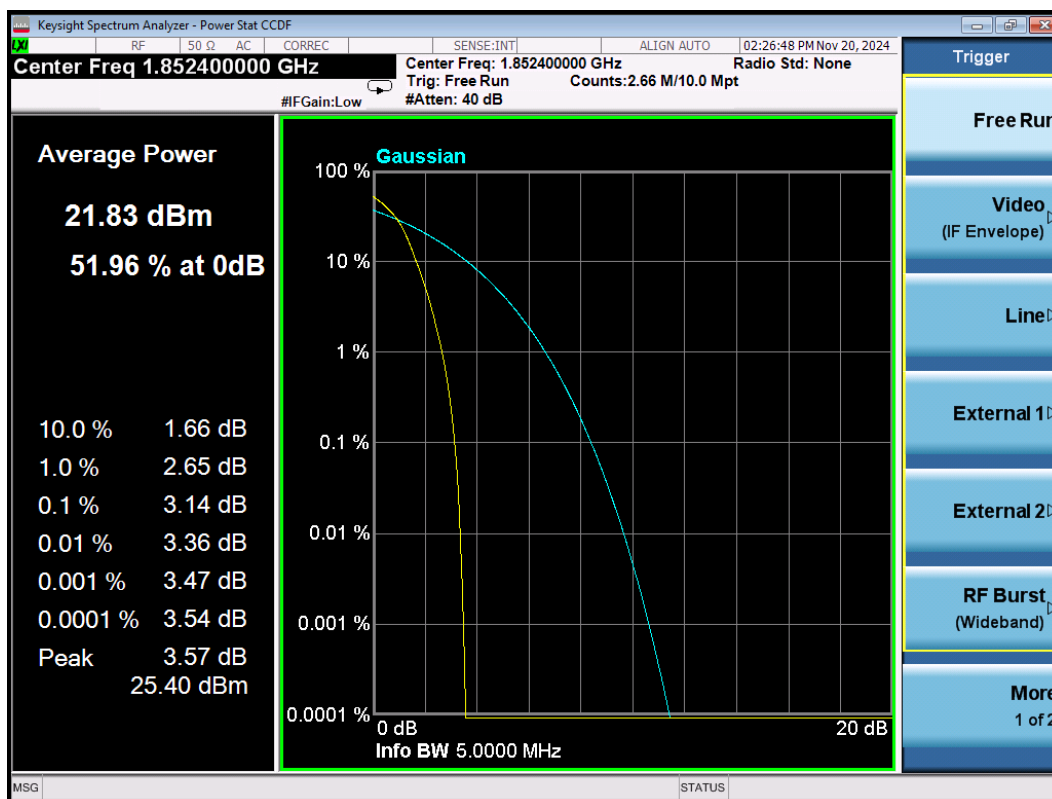
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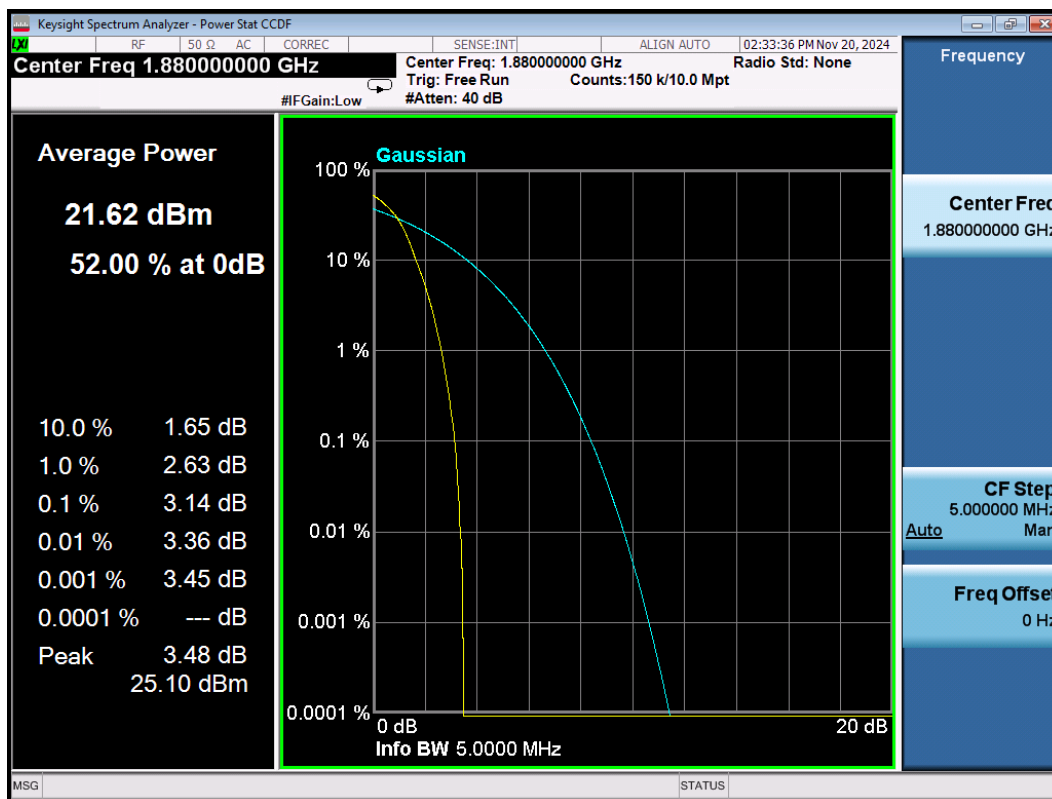
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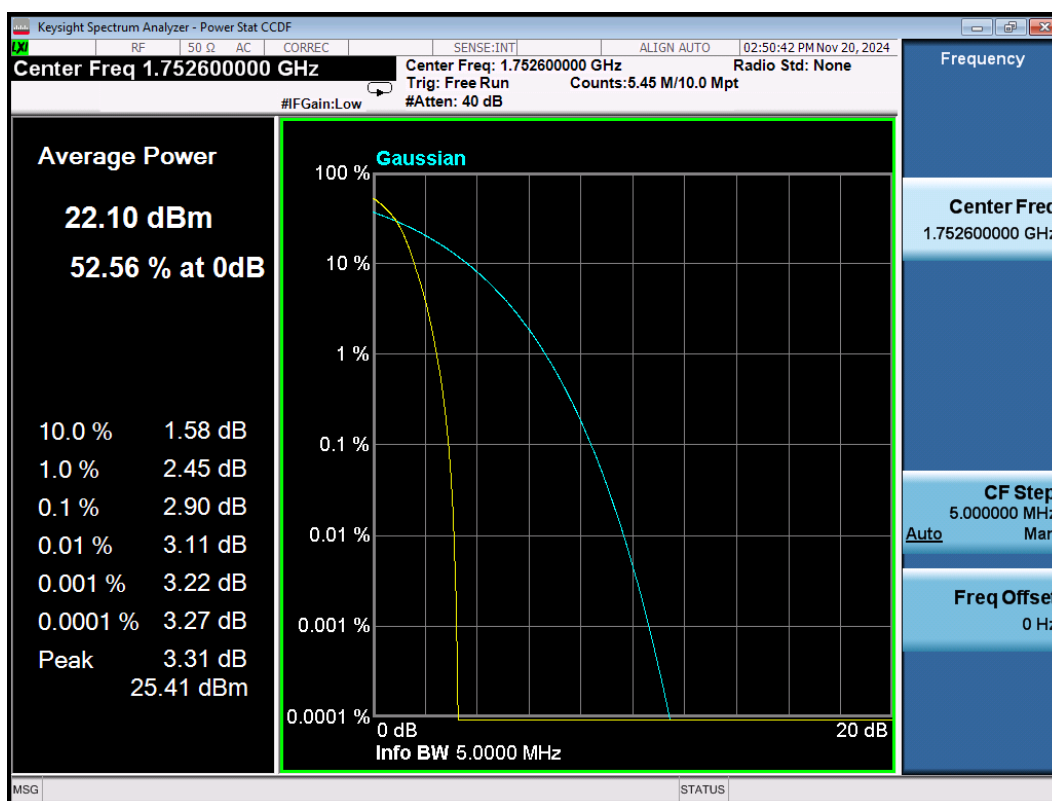
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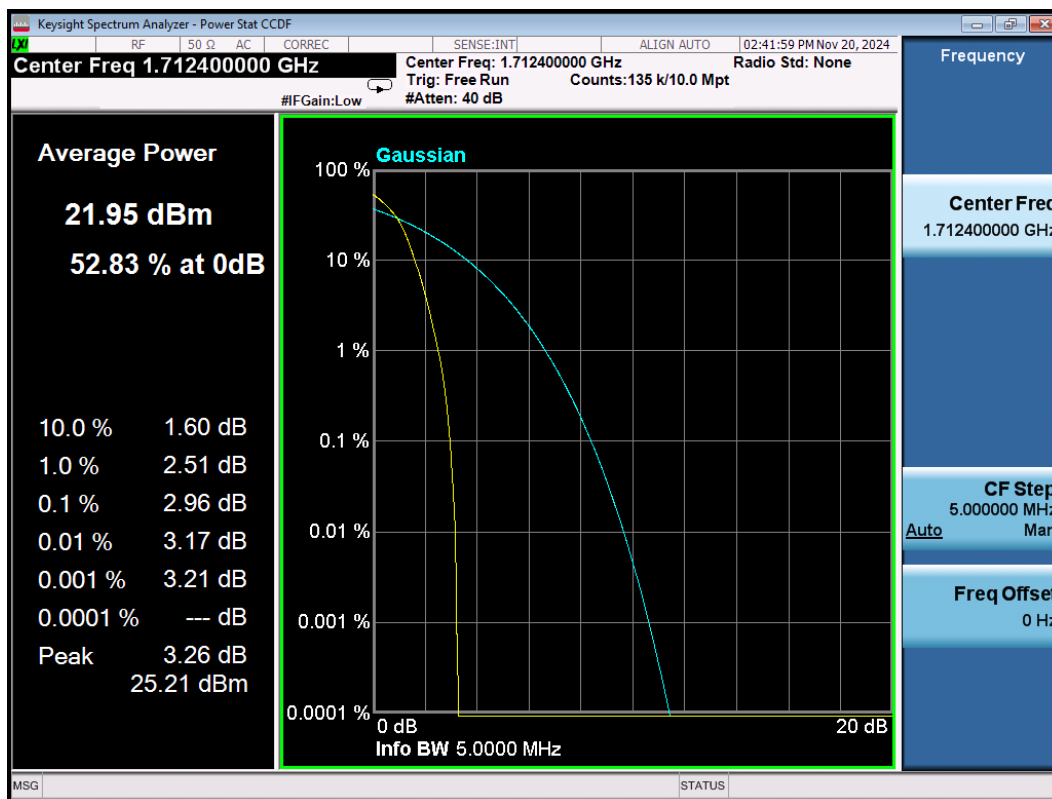
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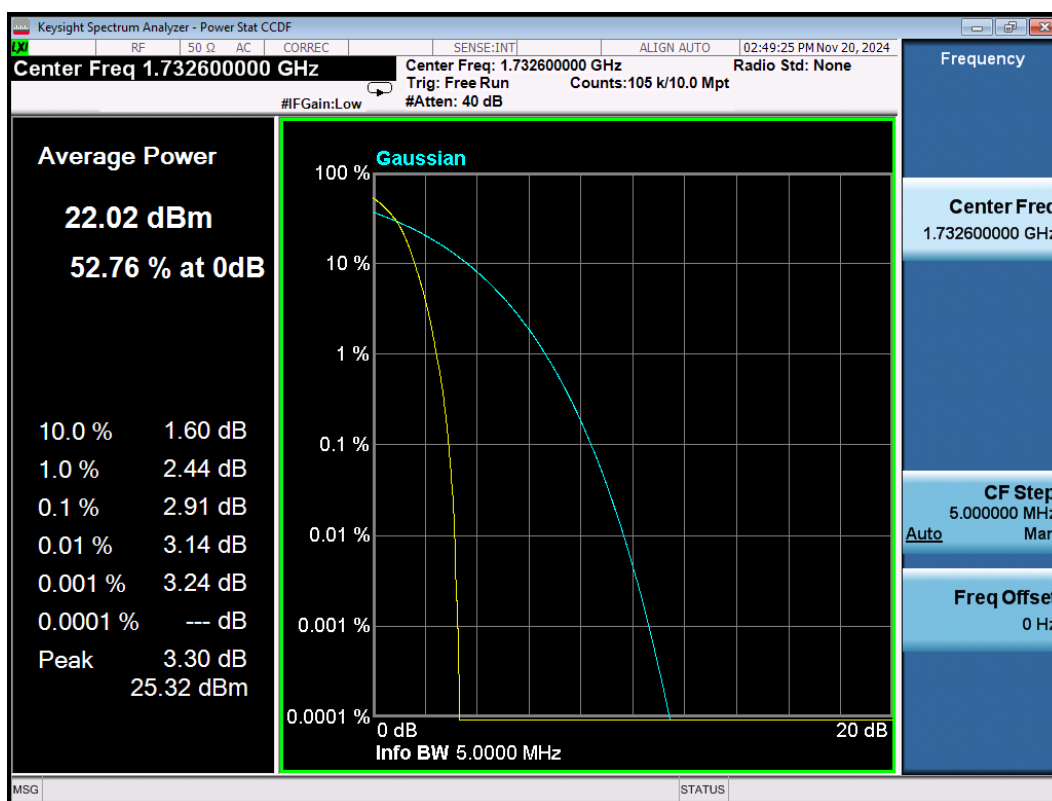
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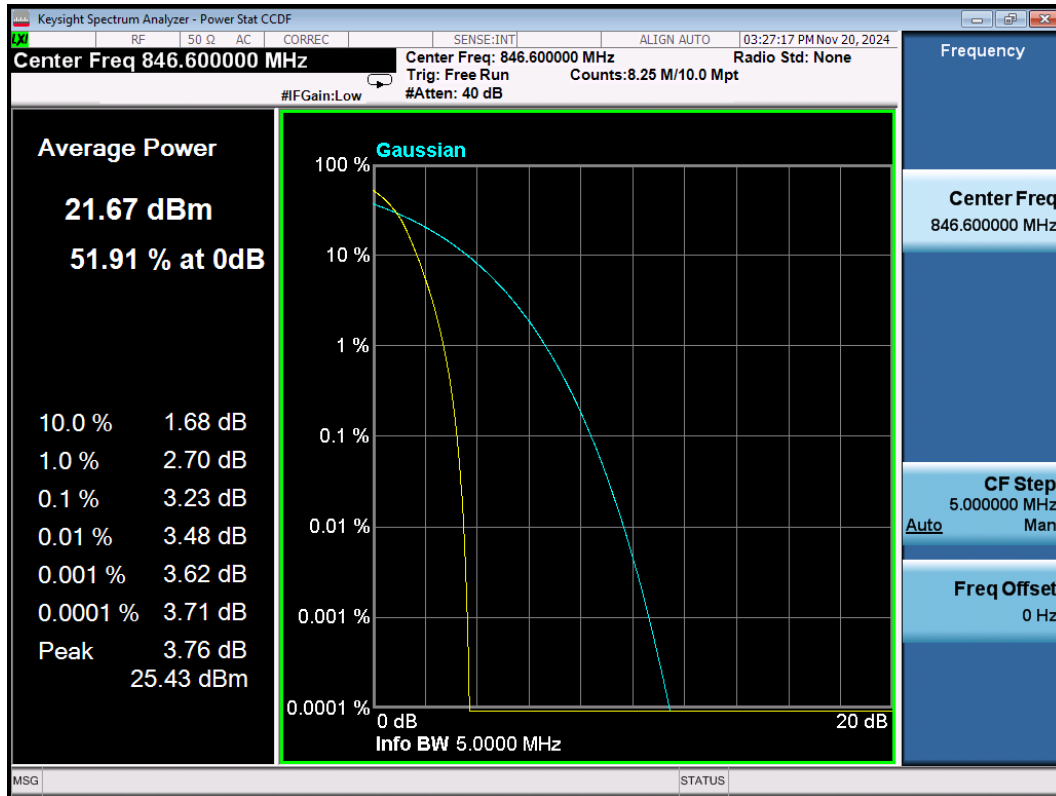
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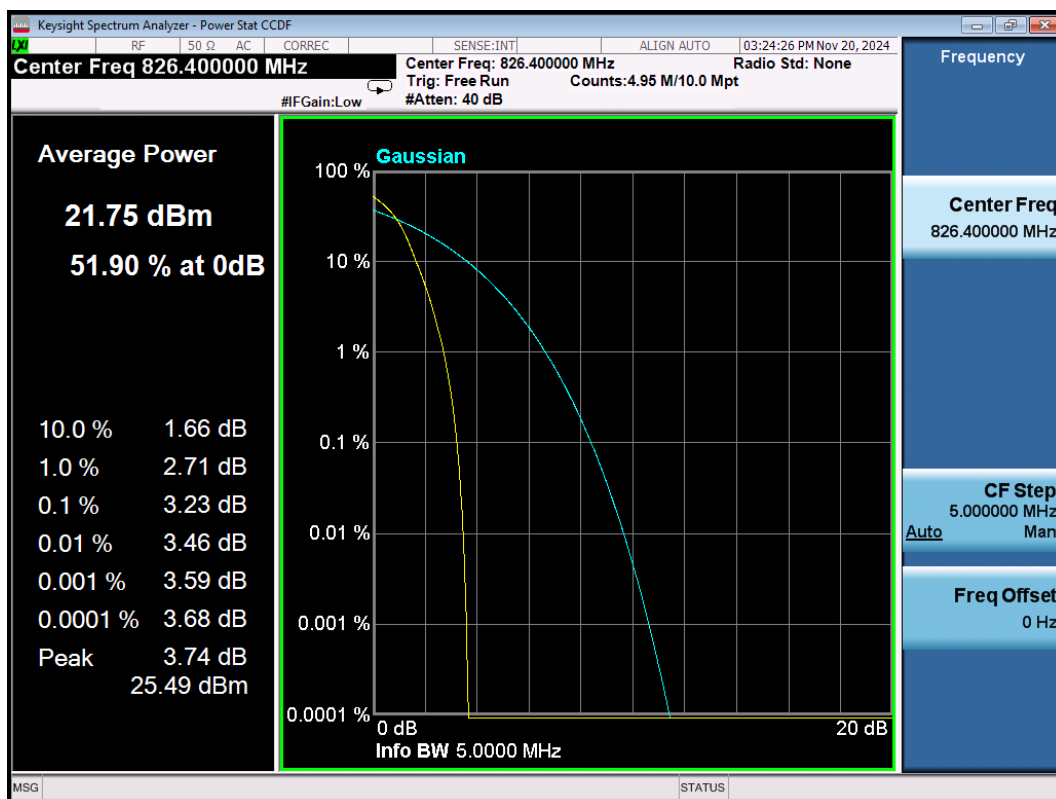
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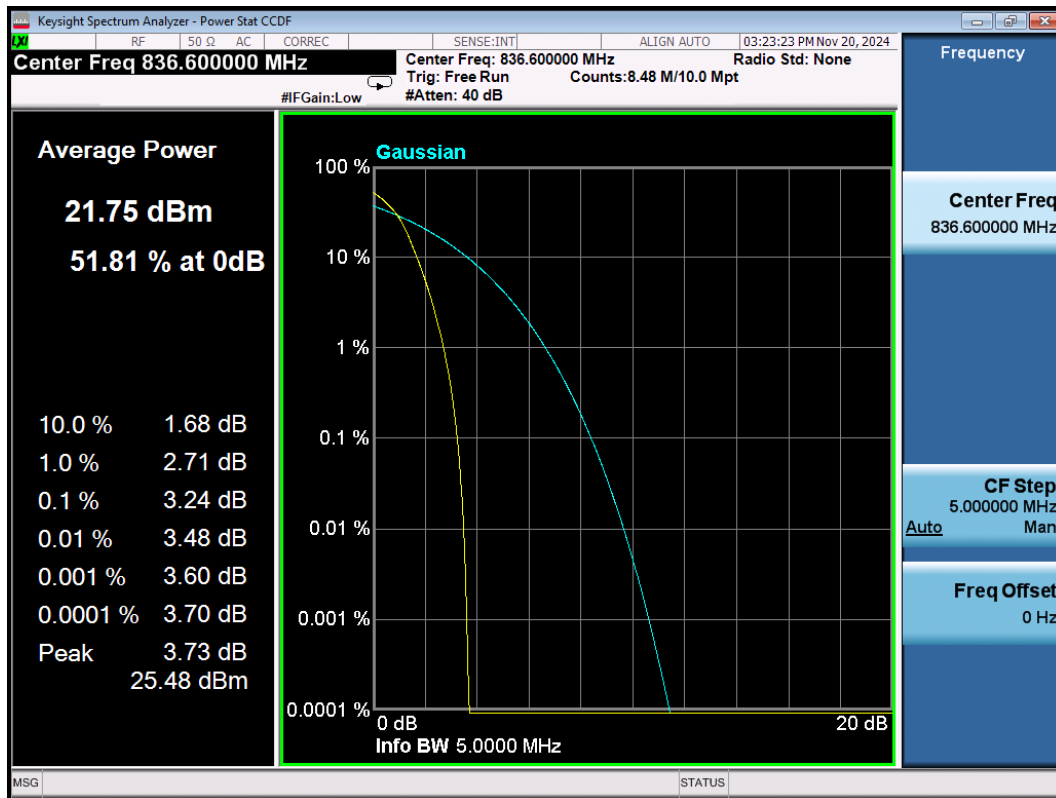
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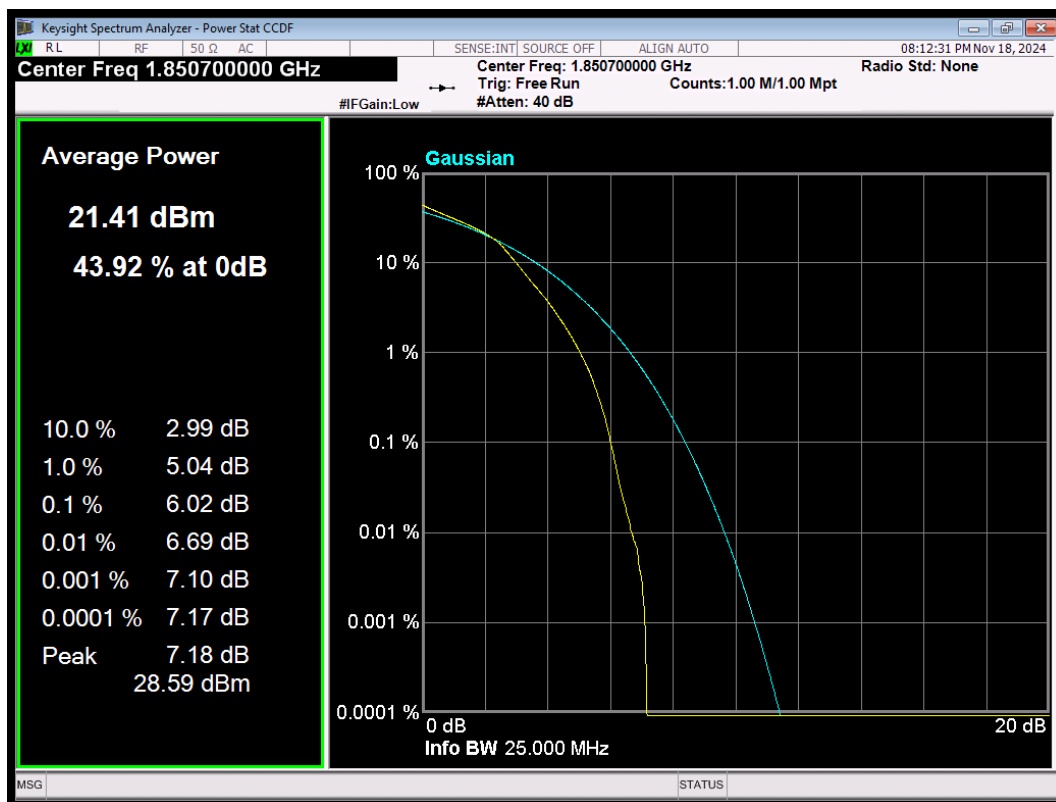
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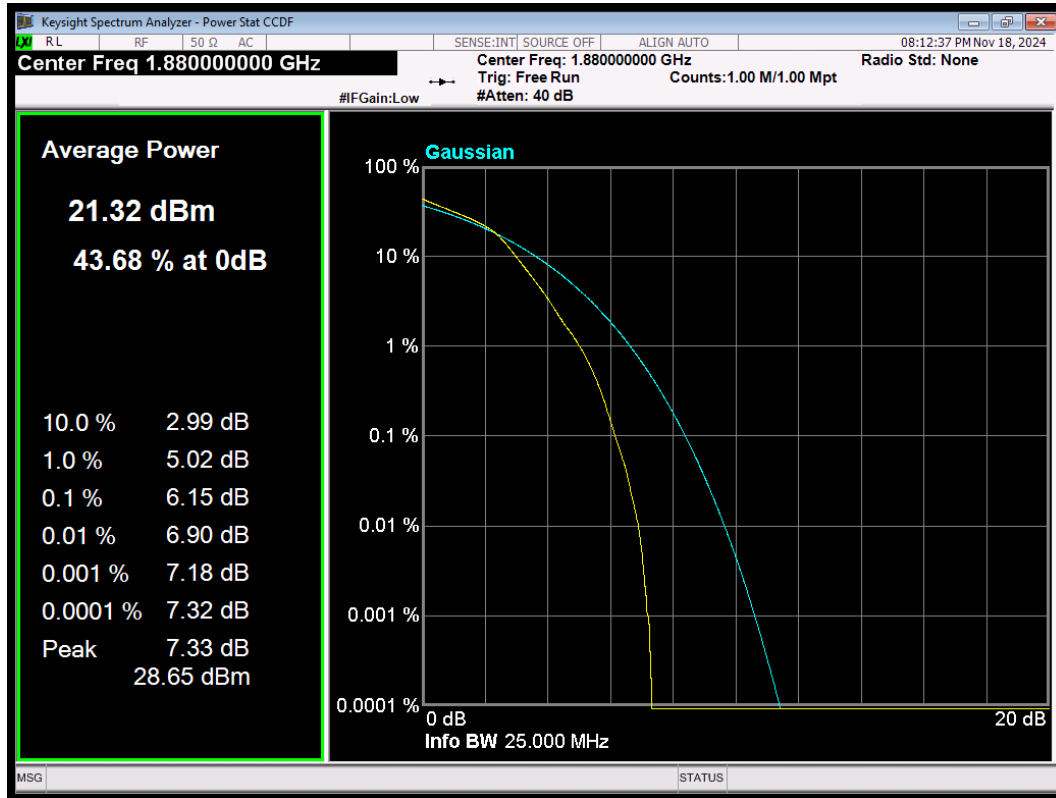
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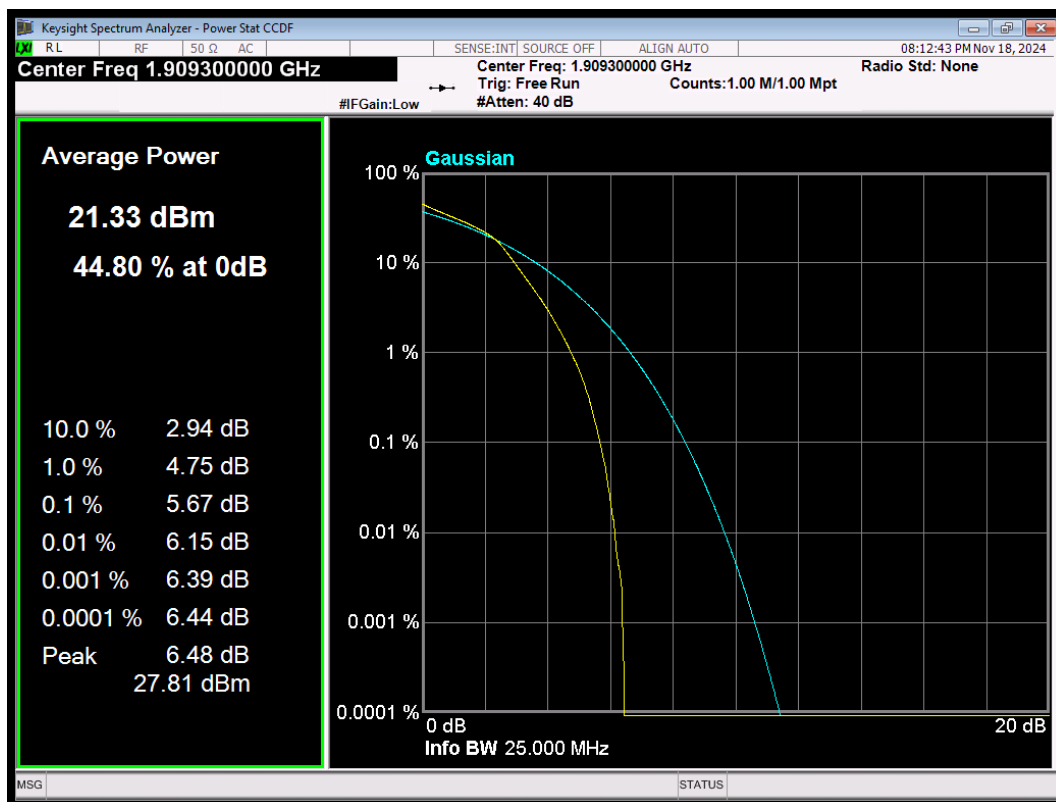
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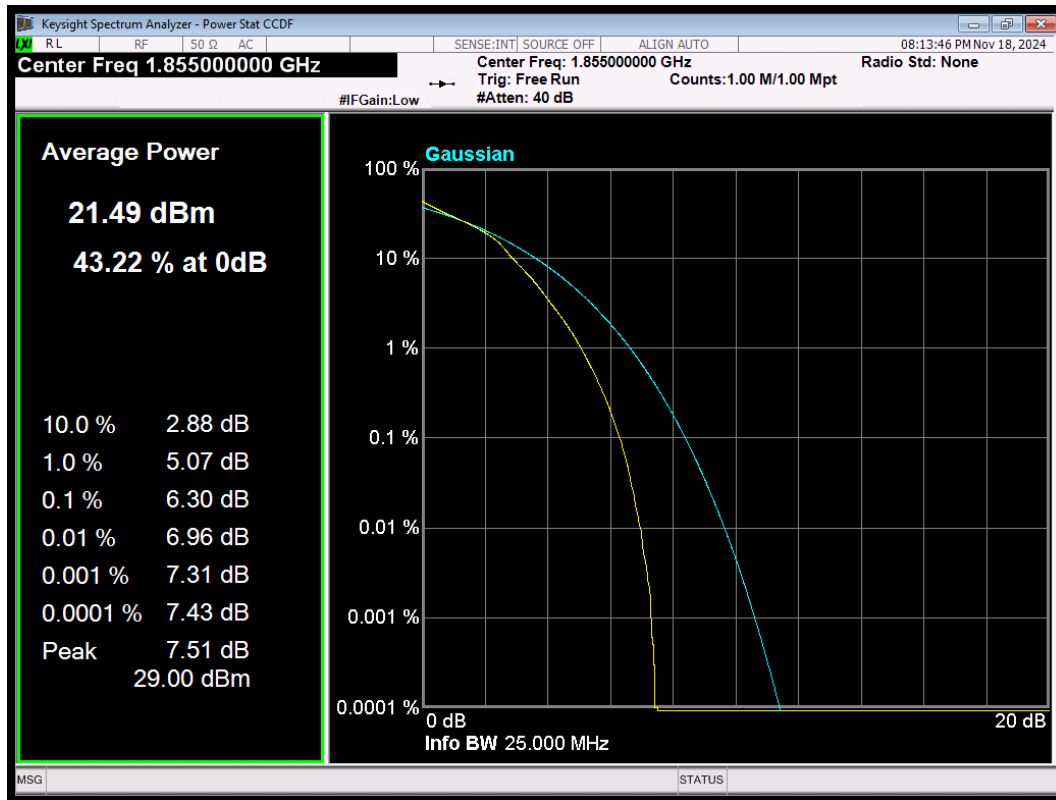
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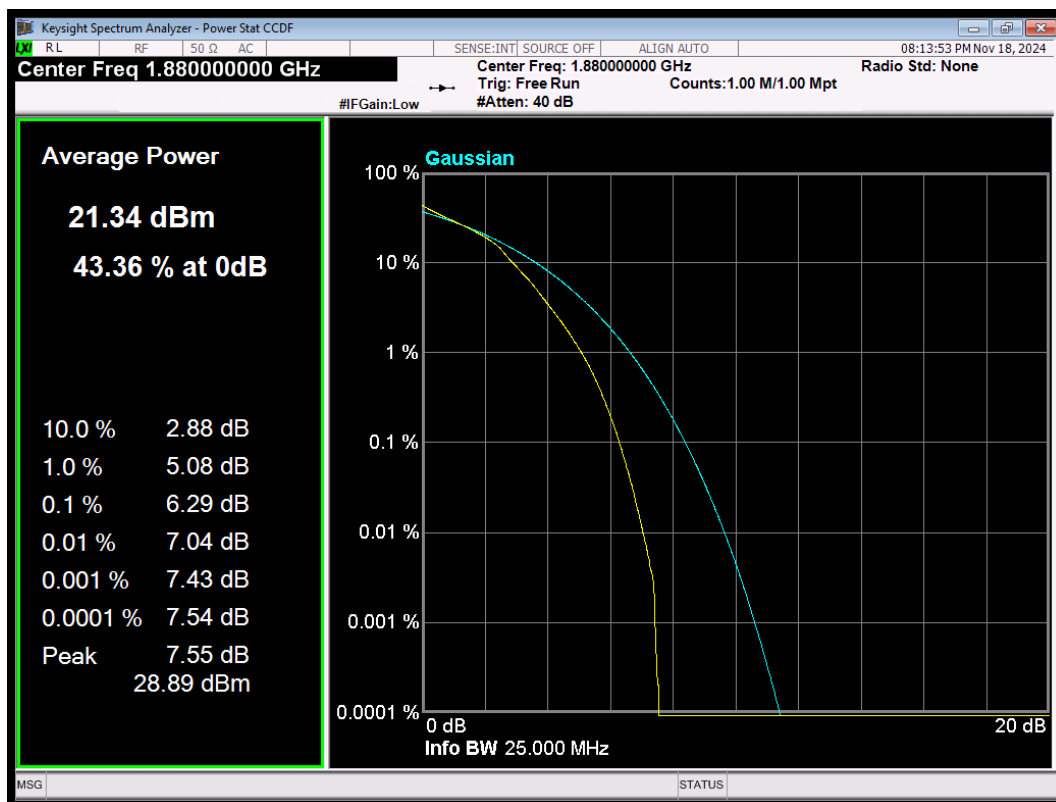
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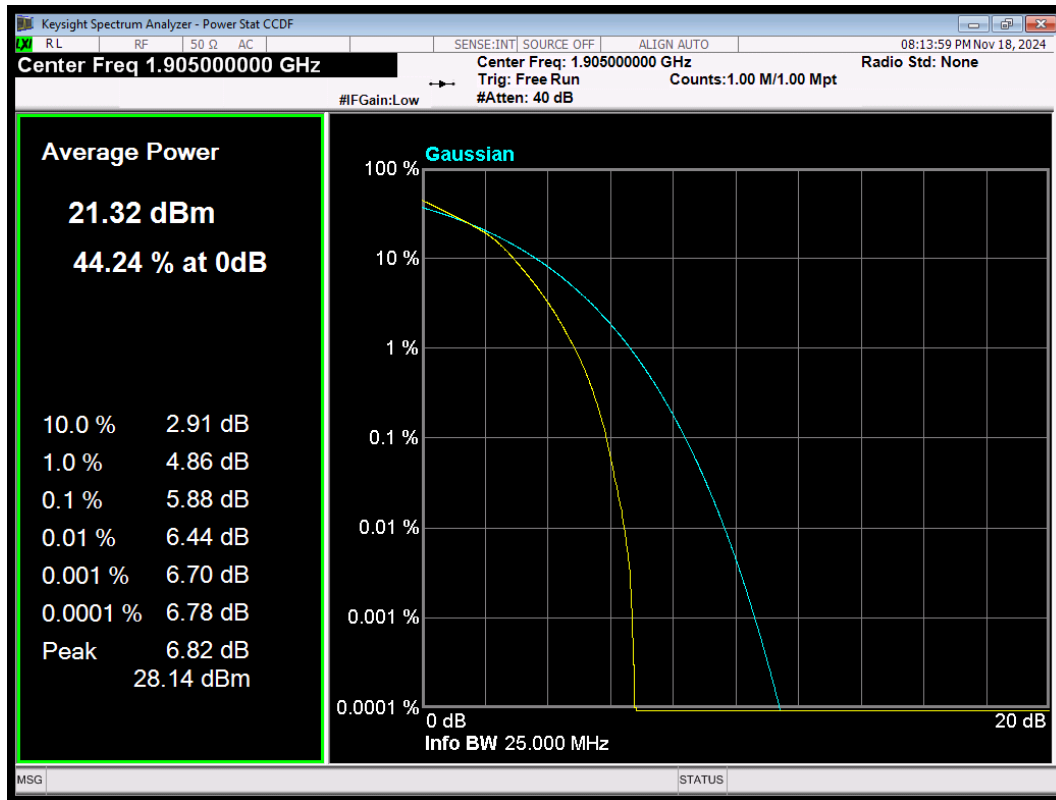
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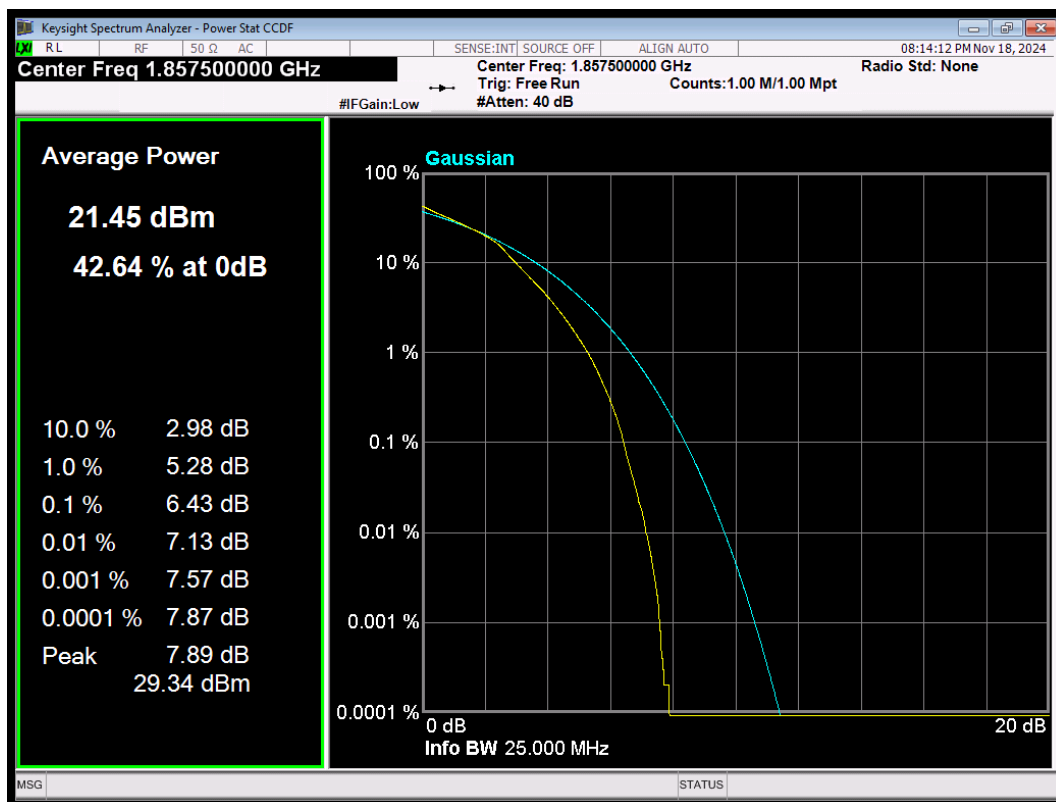
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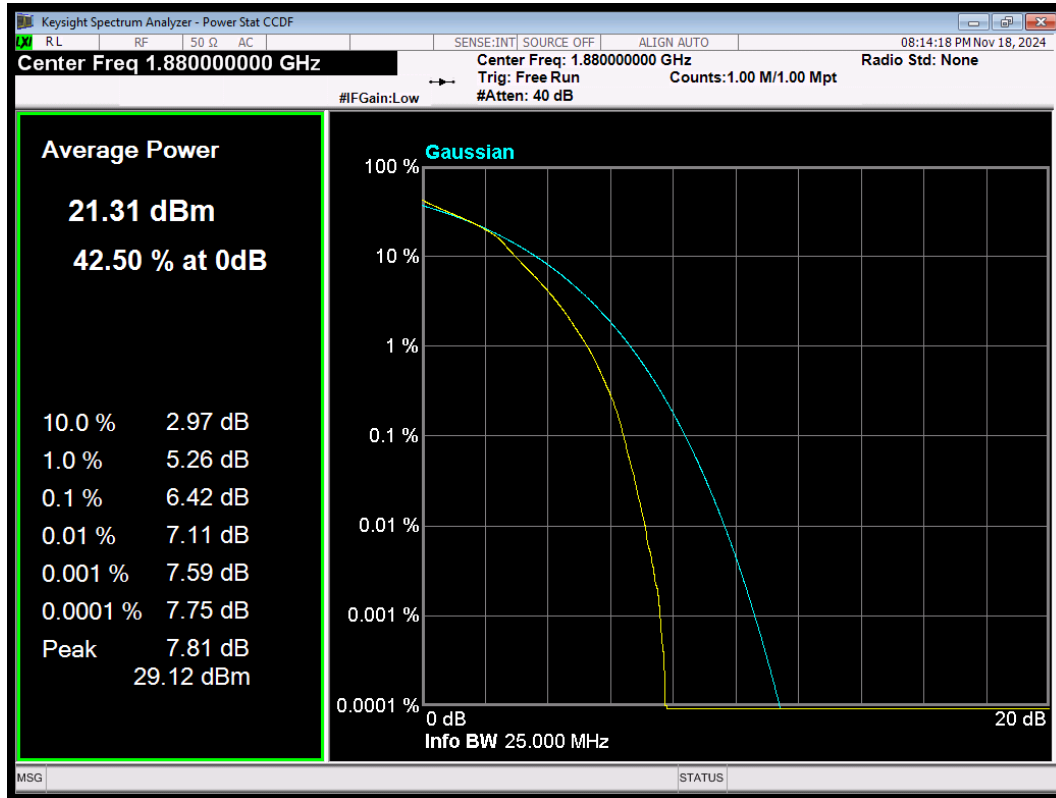
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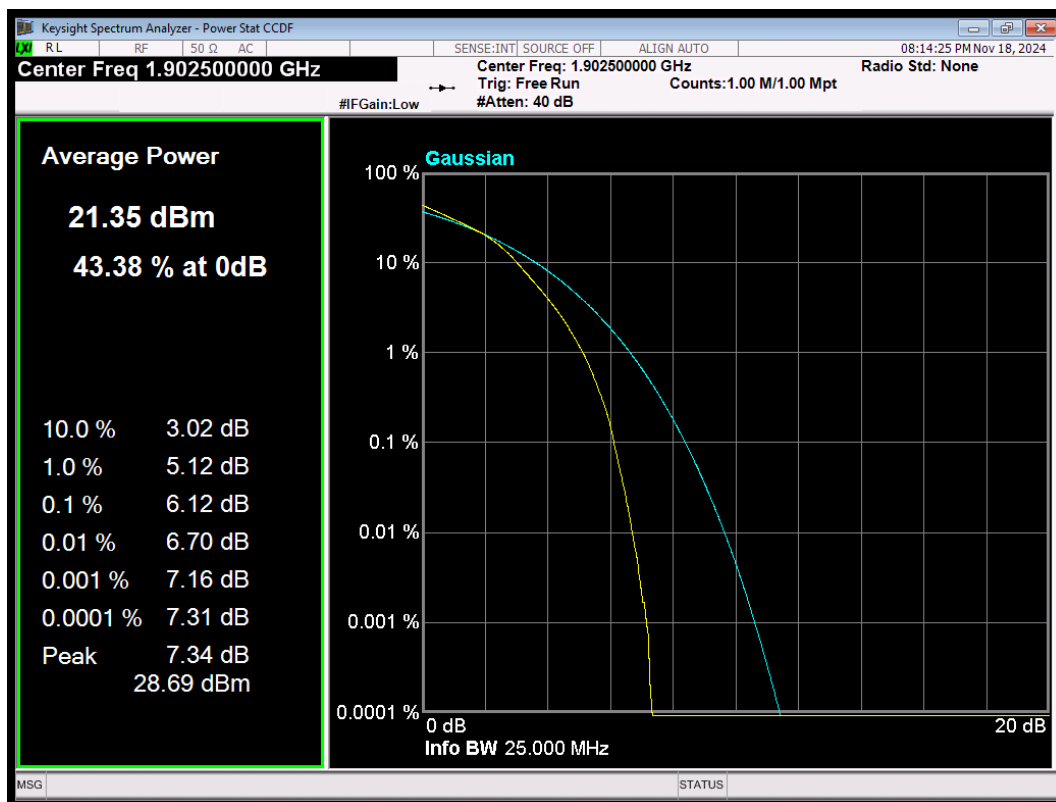
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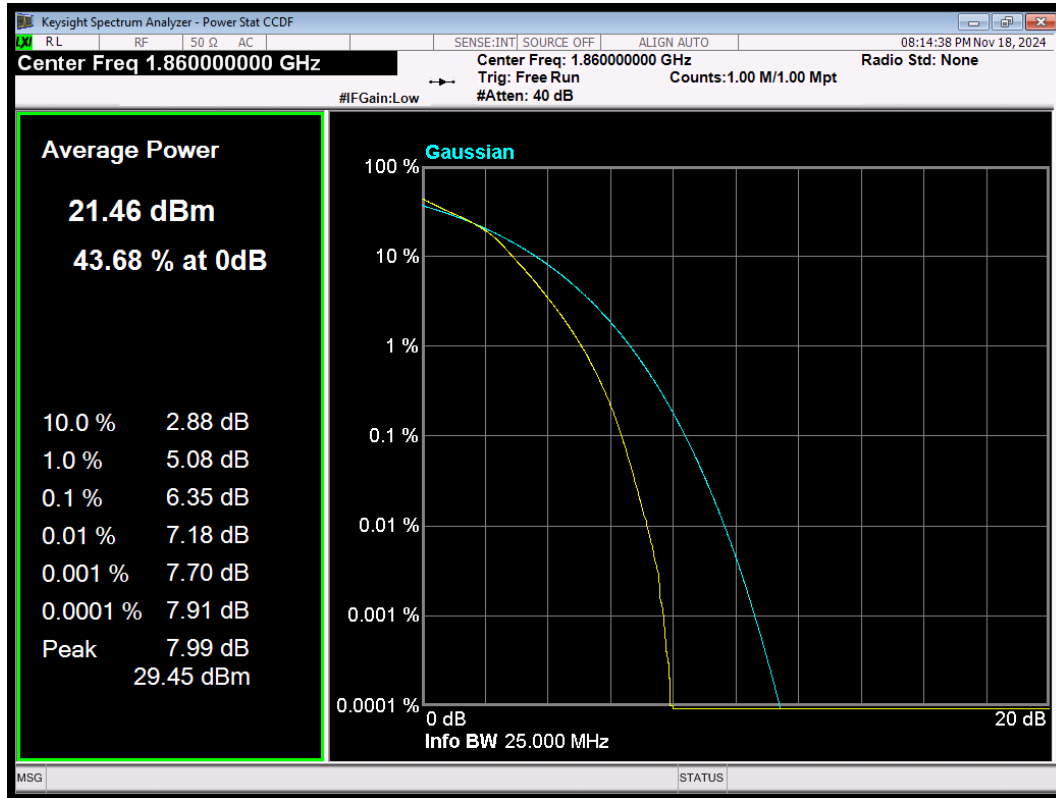
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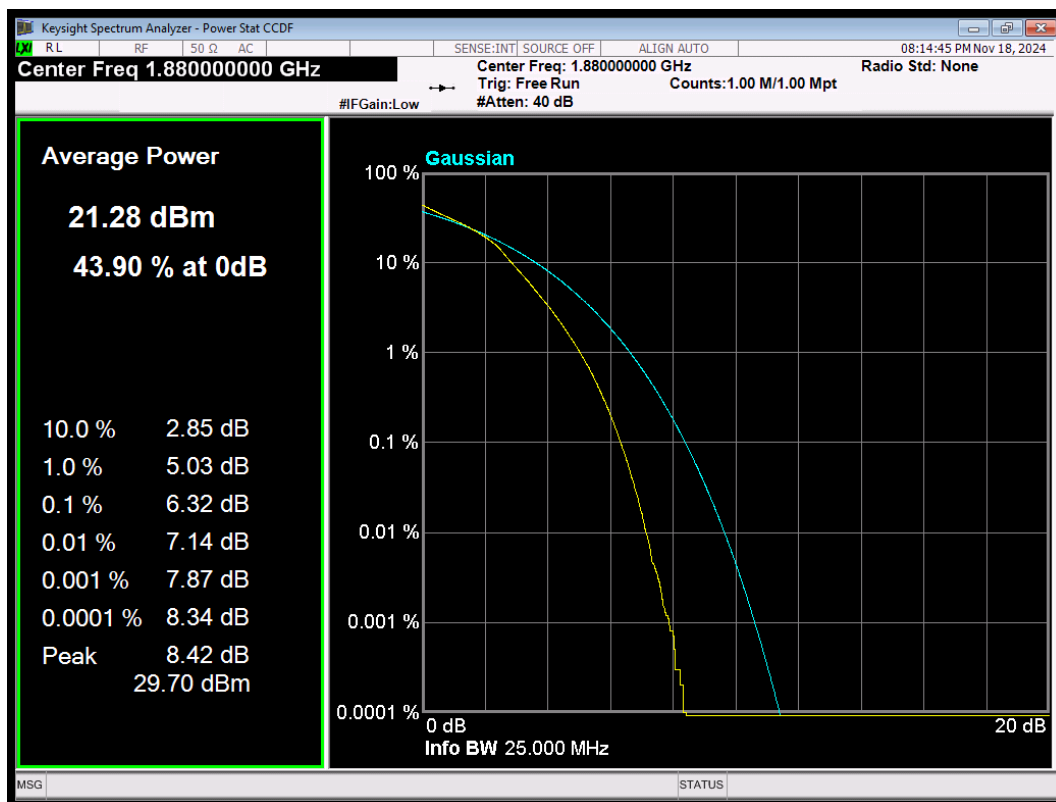
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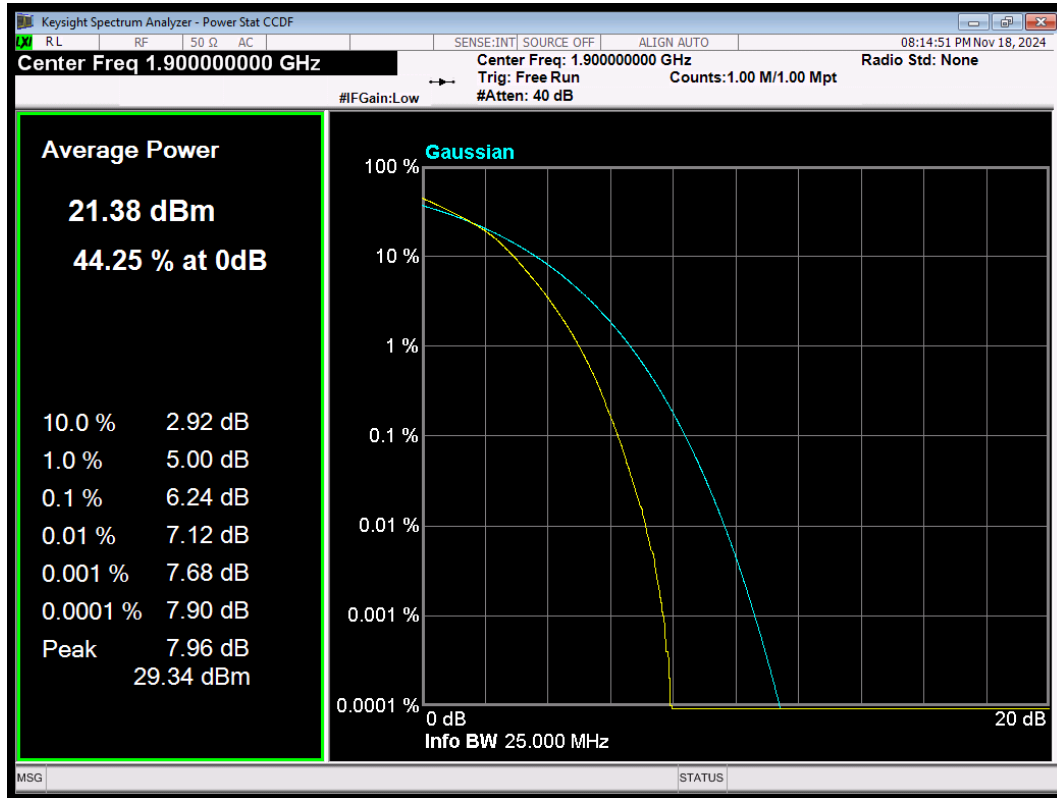
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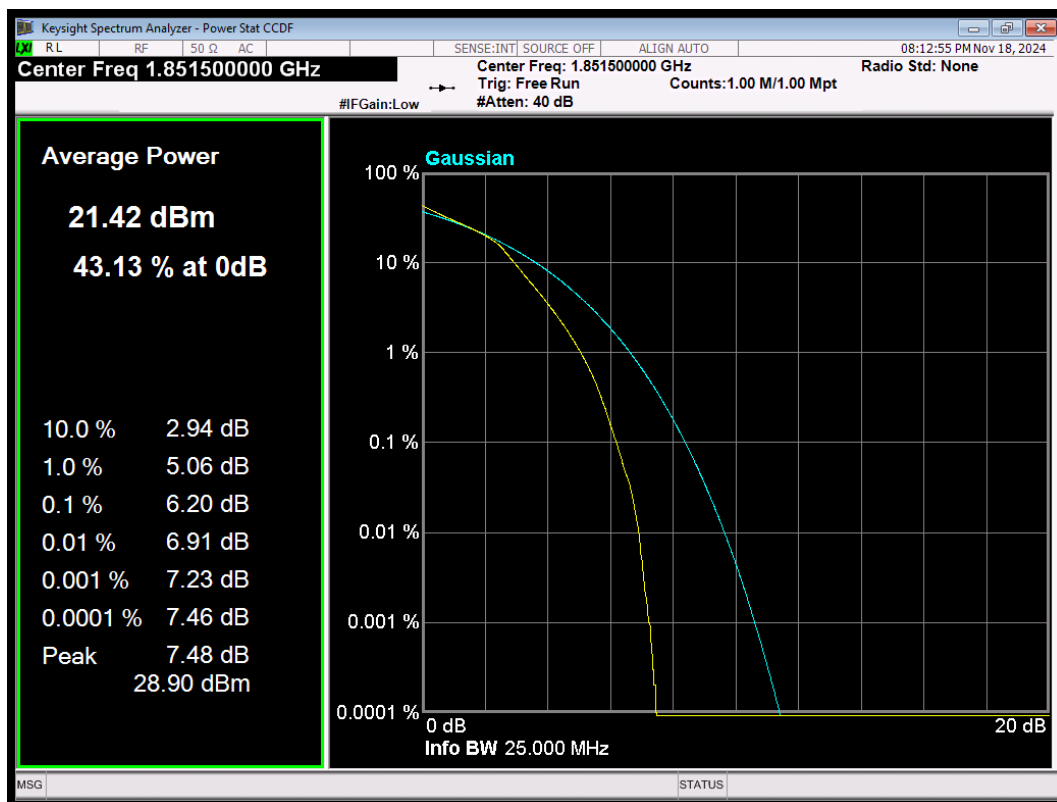
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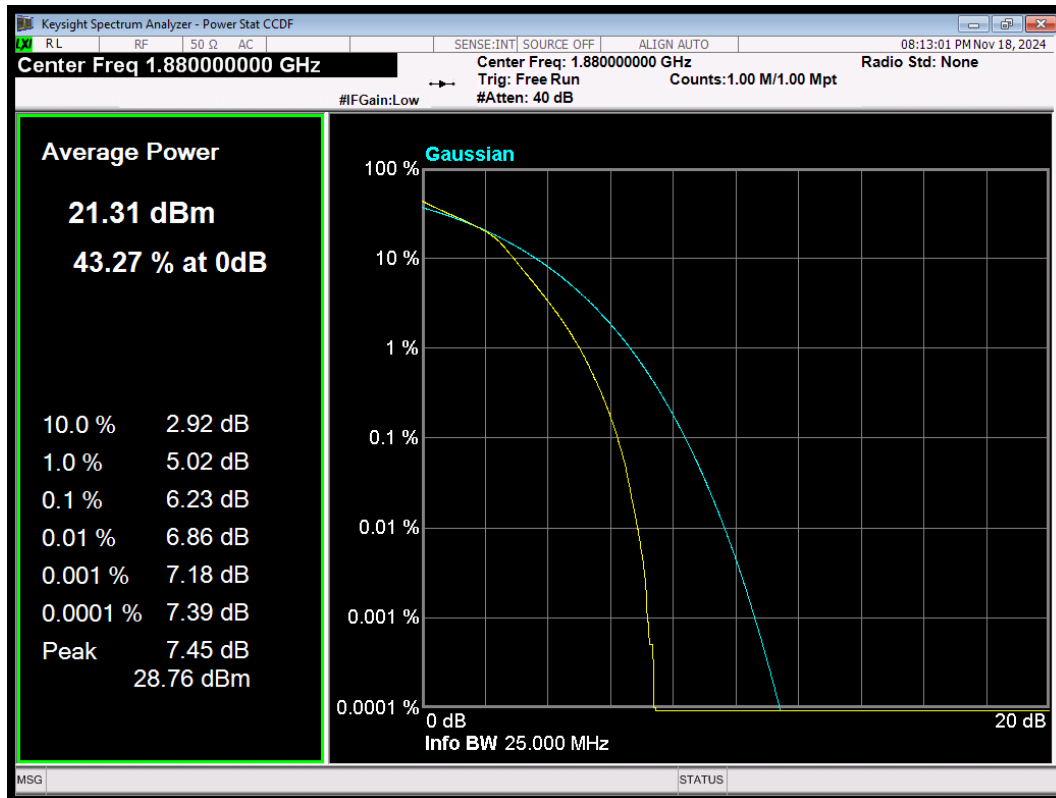
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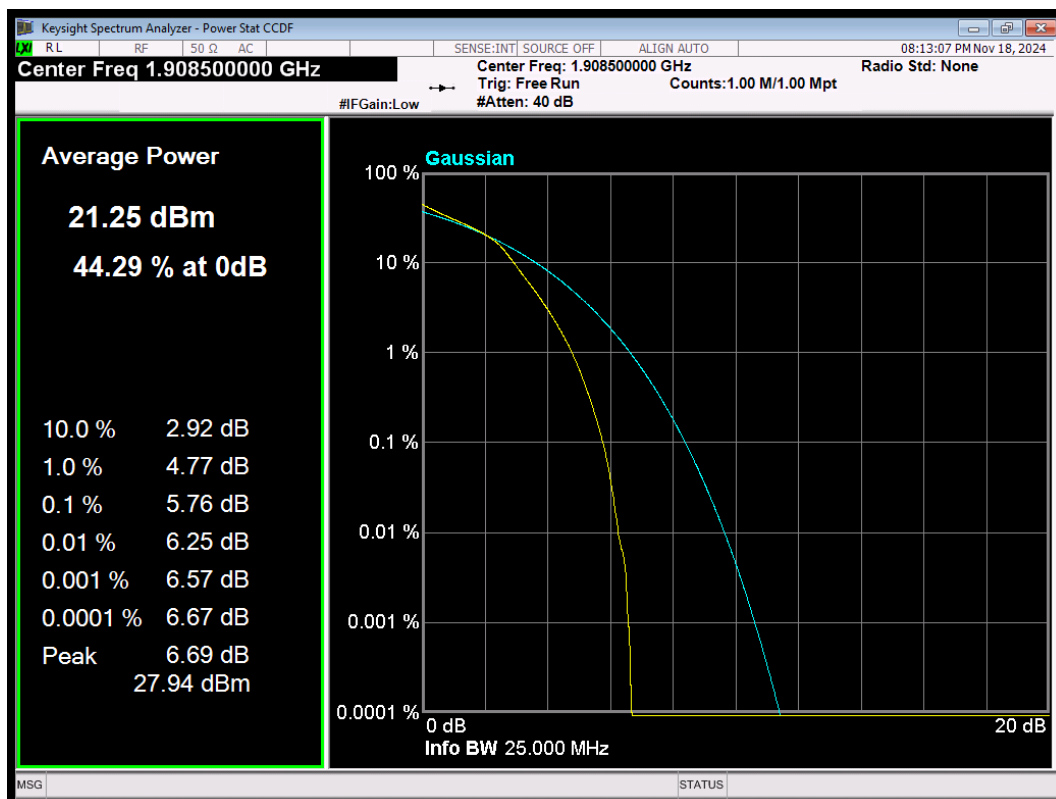
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LTE Band2 16QAM BW=3MHz Channel=18615 RB Size=15 Position=#0



LTE Band2 16QAM BW=3MHz Channel=18900 RB Size=15 Position=#0



LTE Band2 16QAM BW=3MHz Channel=19185 RB Size=15 Position=#0