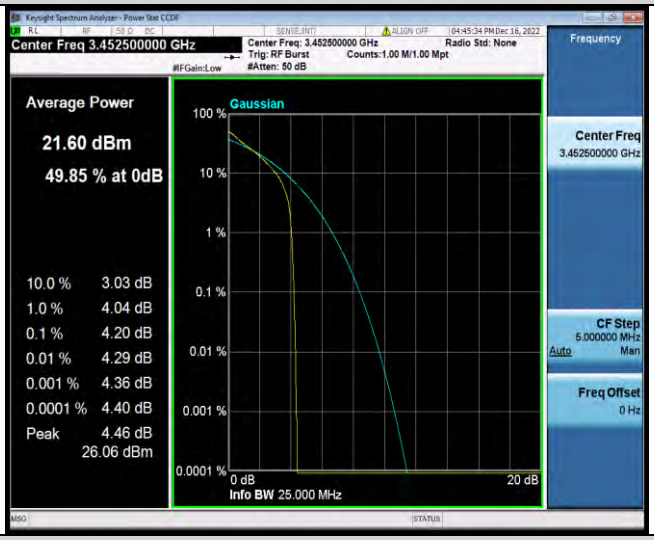
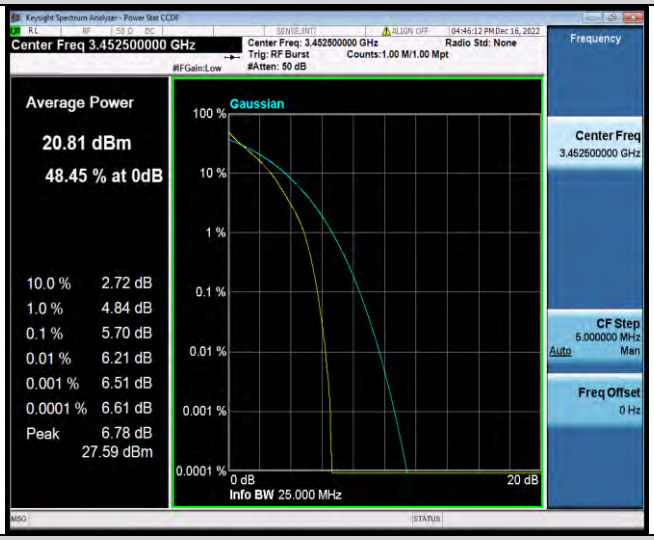
Test Graphs

Band42-5MHz-QPSK-42115-1RB#0


Band42-5MHz-QPSK-42115-25RB#0


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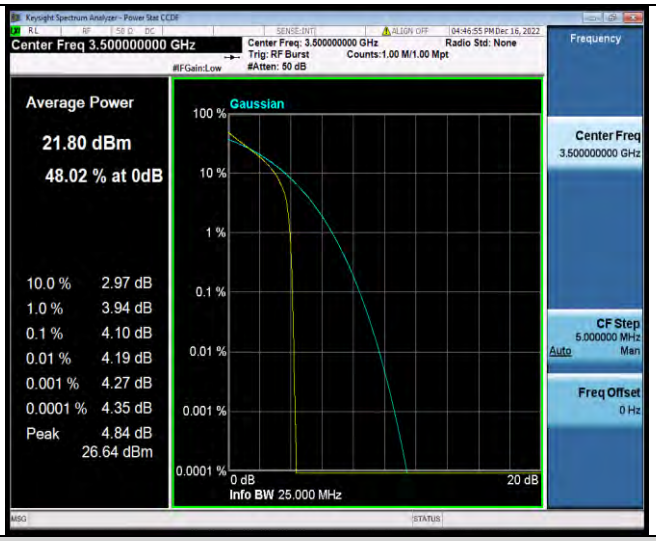

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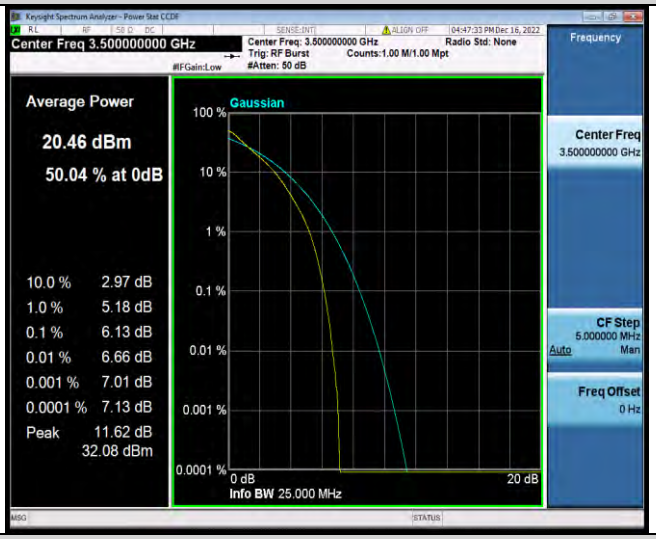

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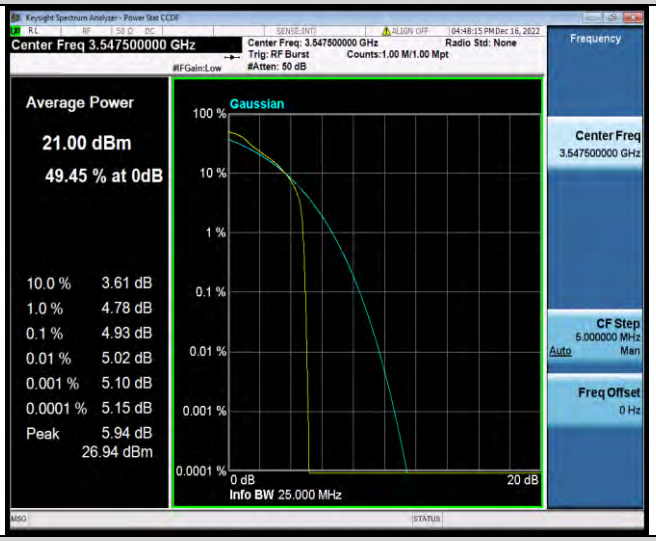

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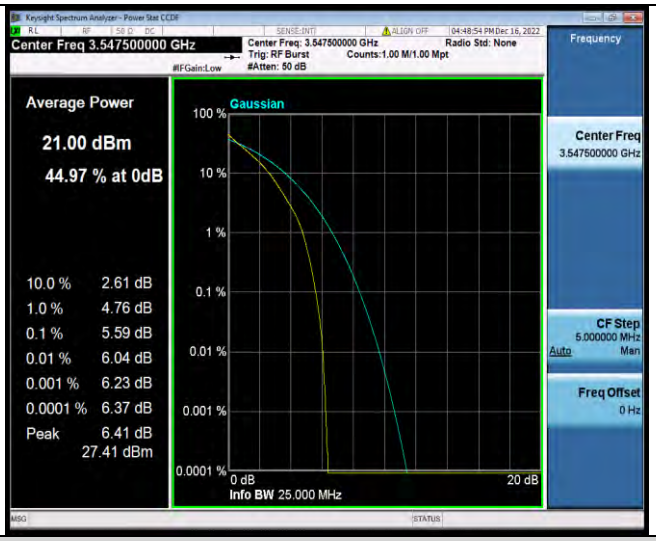

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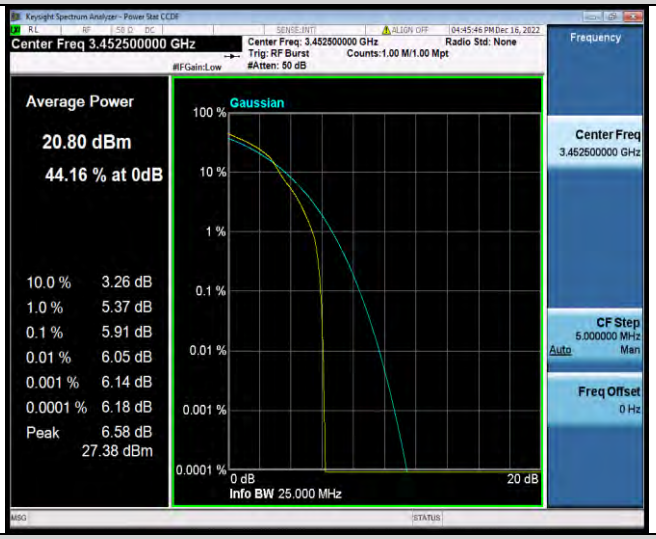

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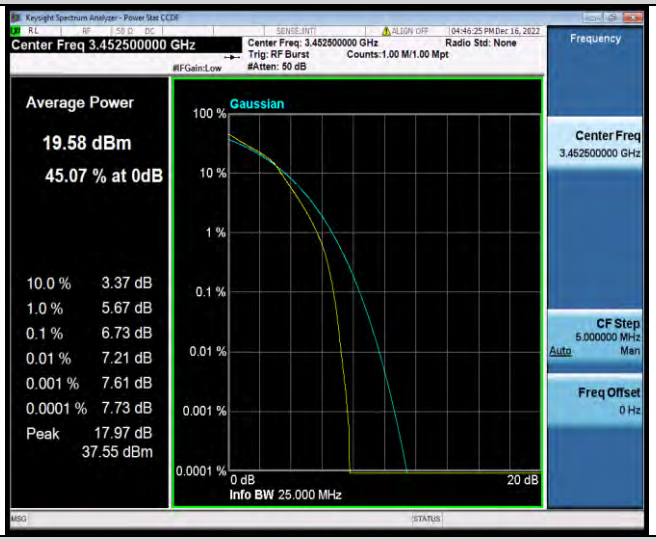

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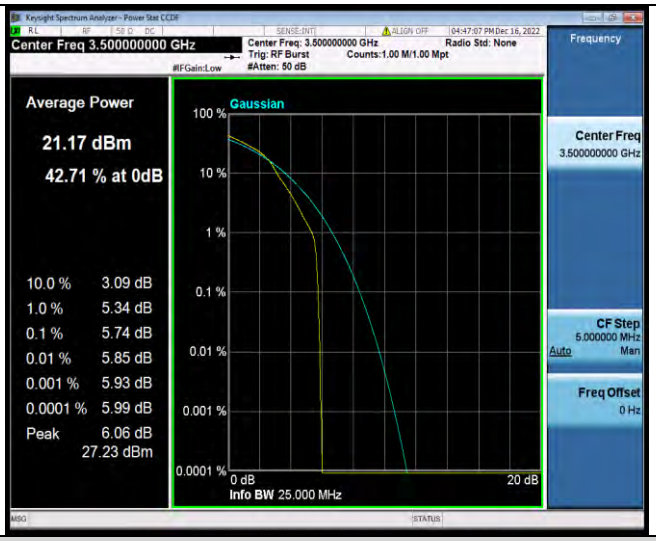

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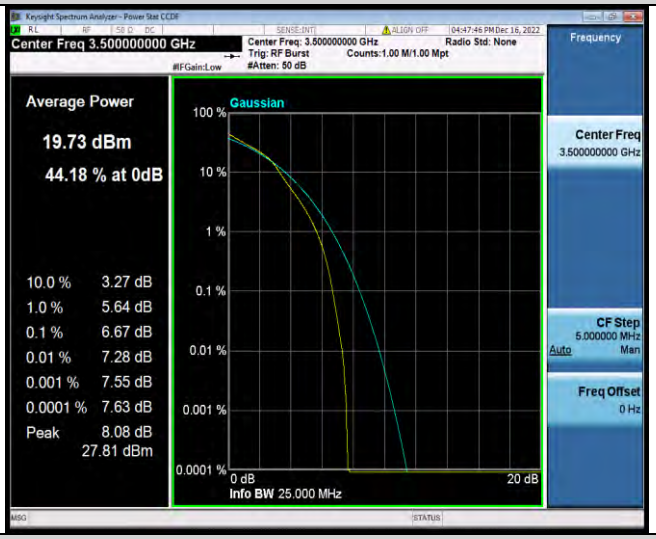

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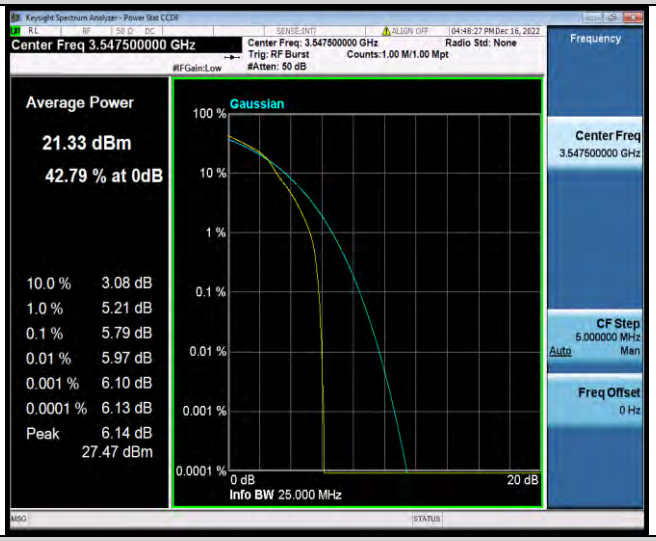

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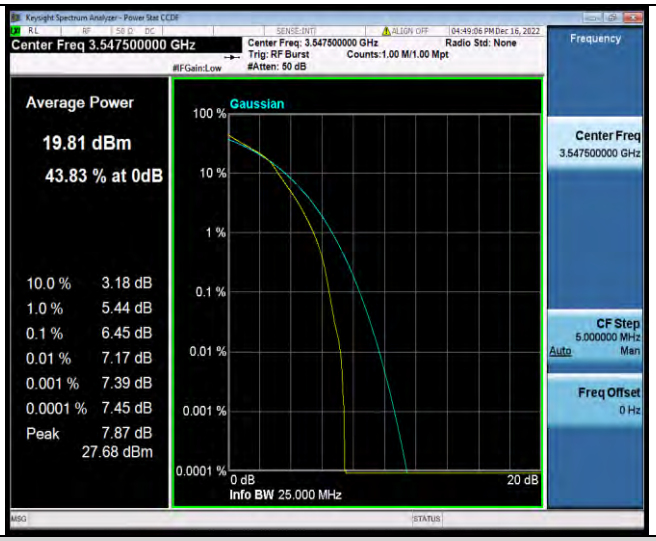

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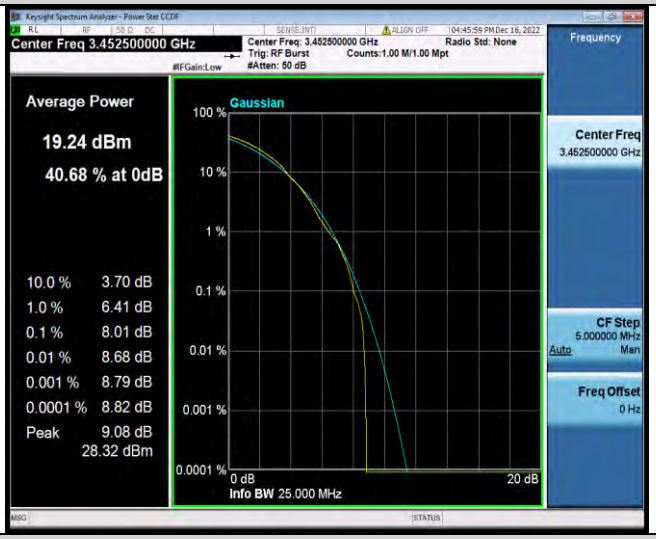

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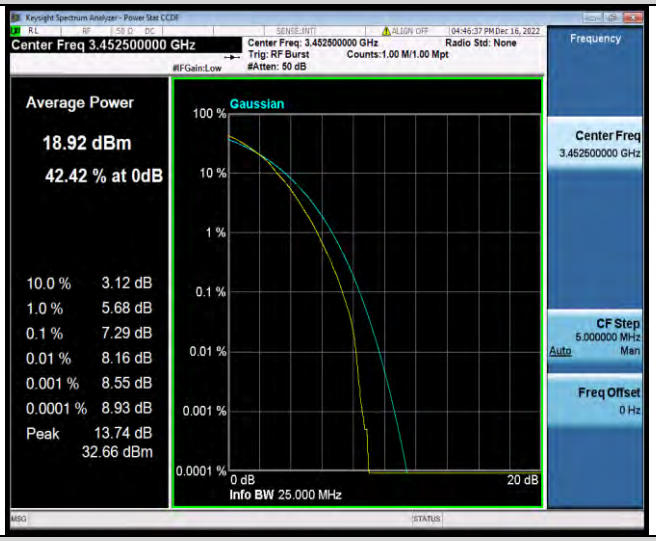

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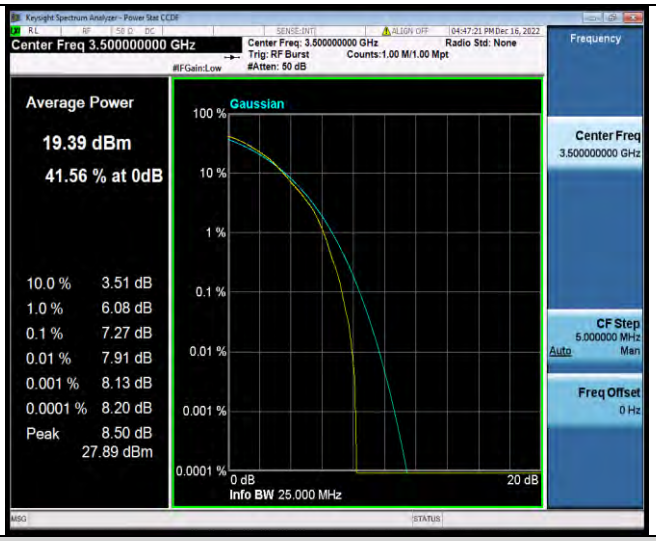

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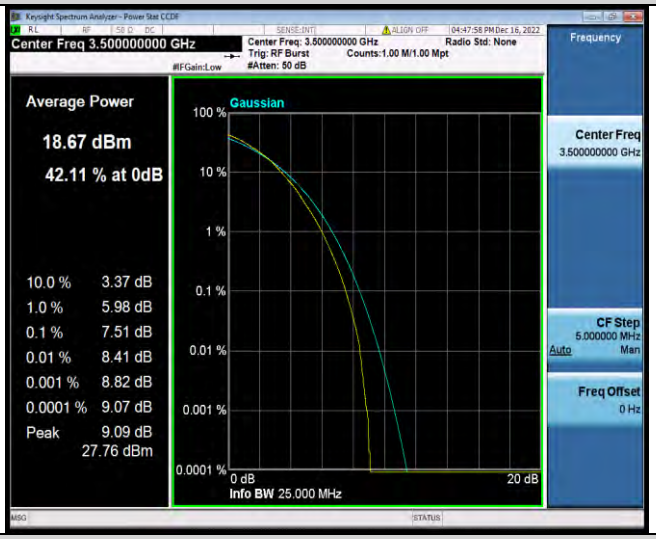

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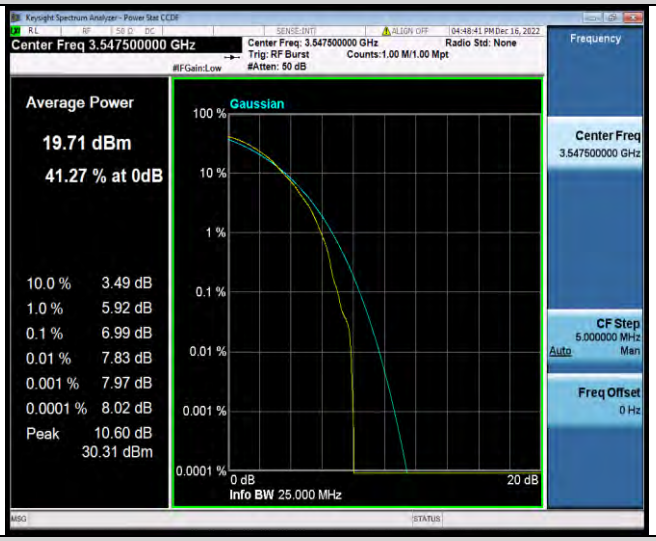

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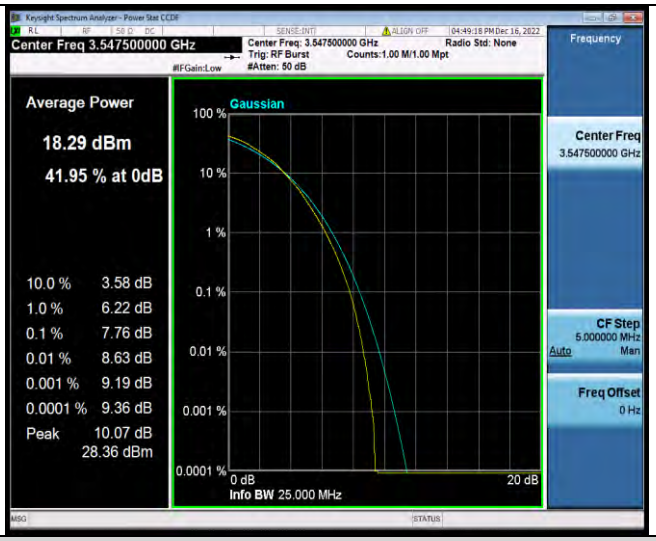

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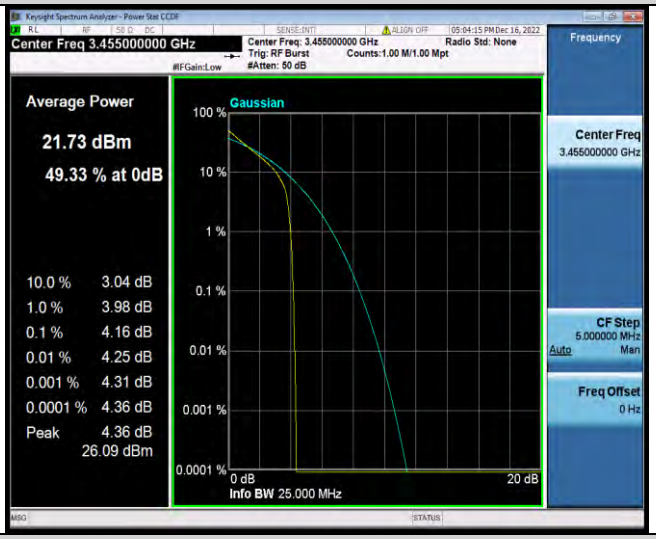

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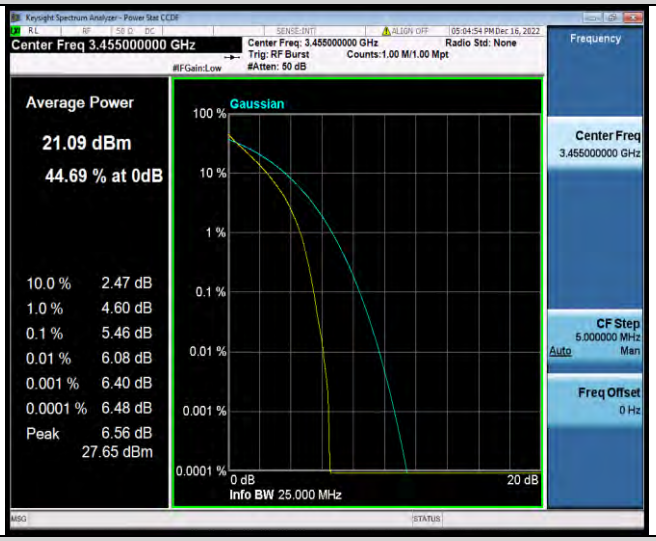

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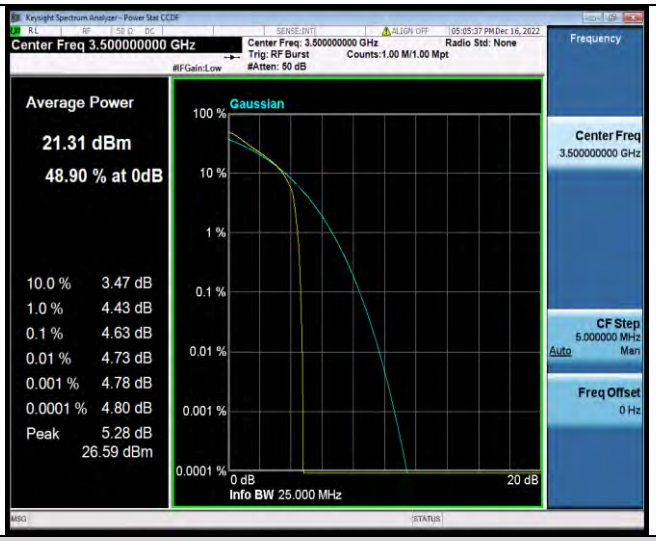

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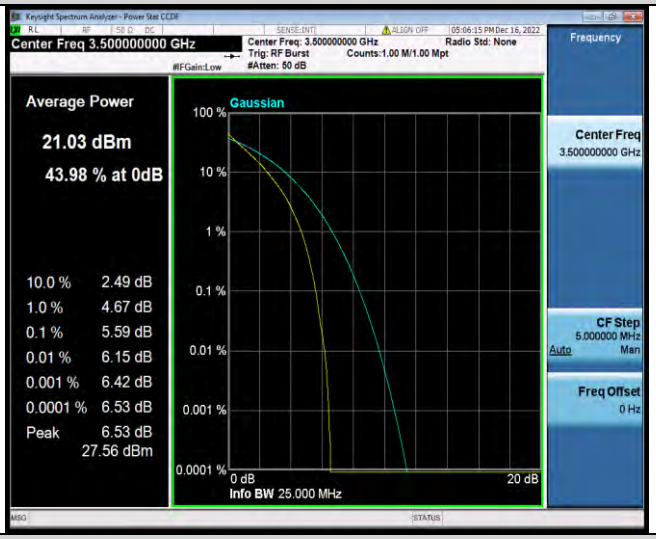

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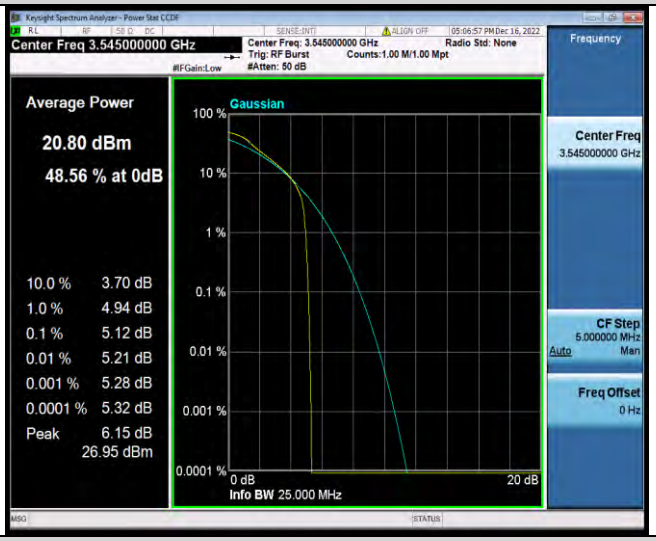

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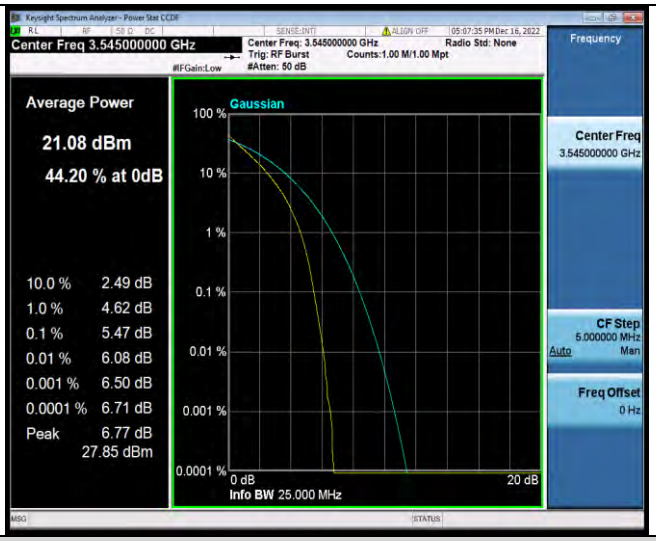

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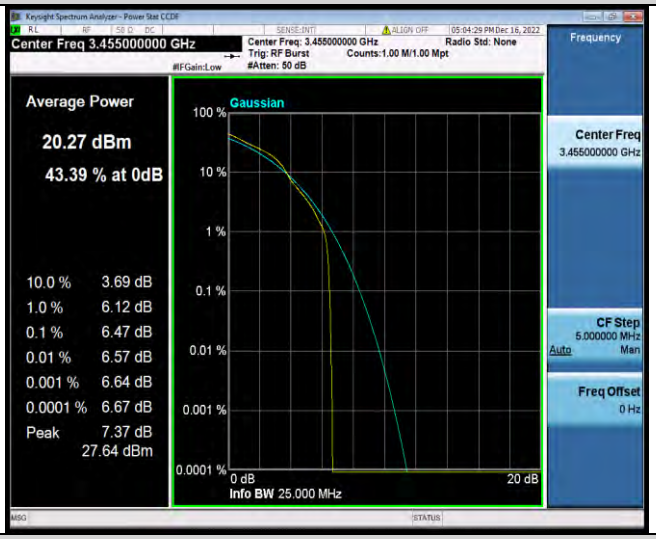

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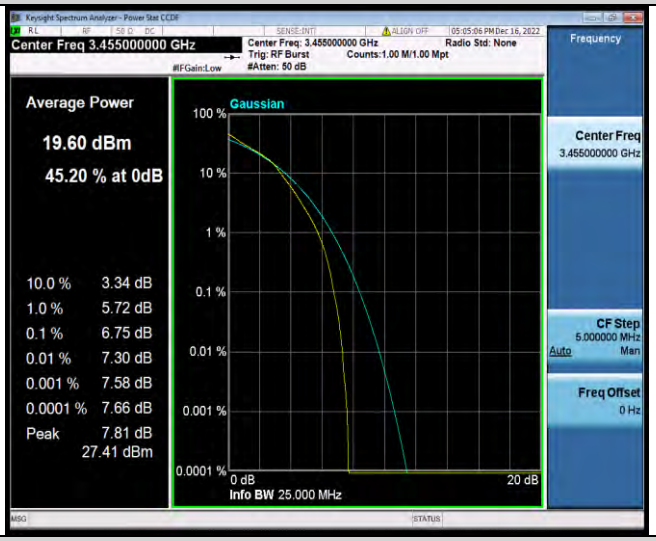

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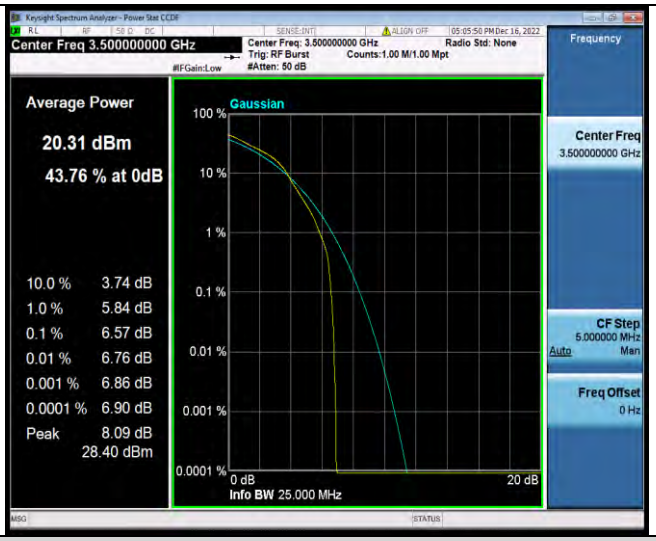

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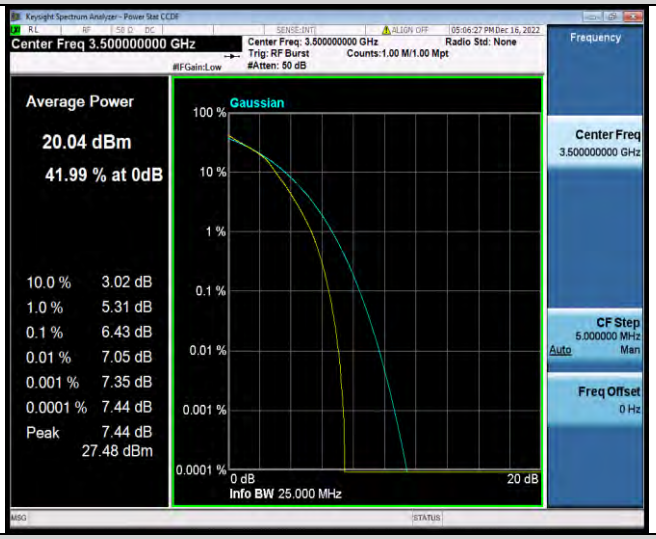

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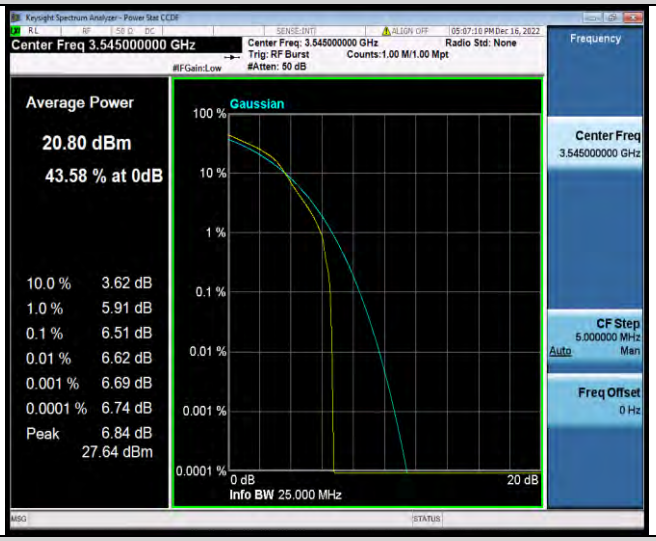

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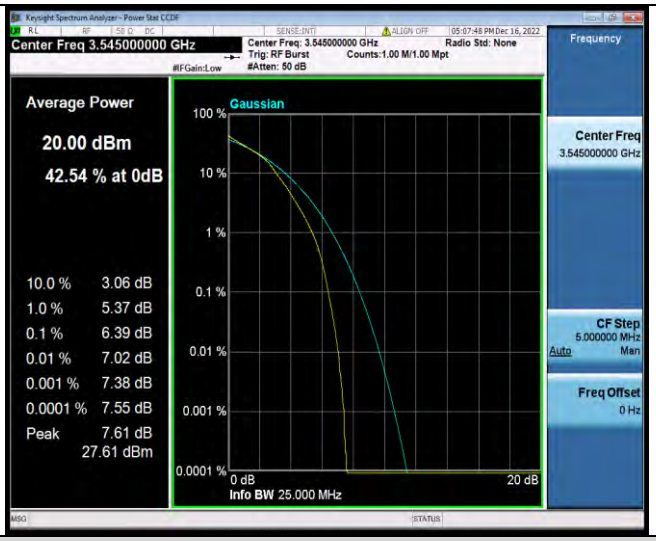

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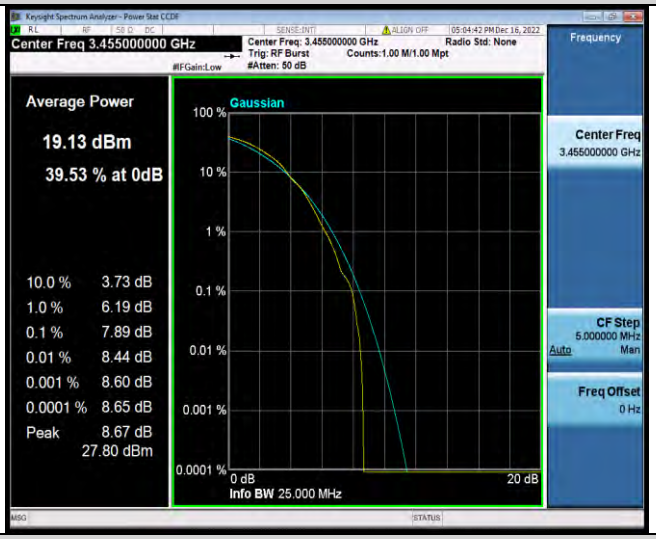

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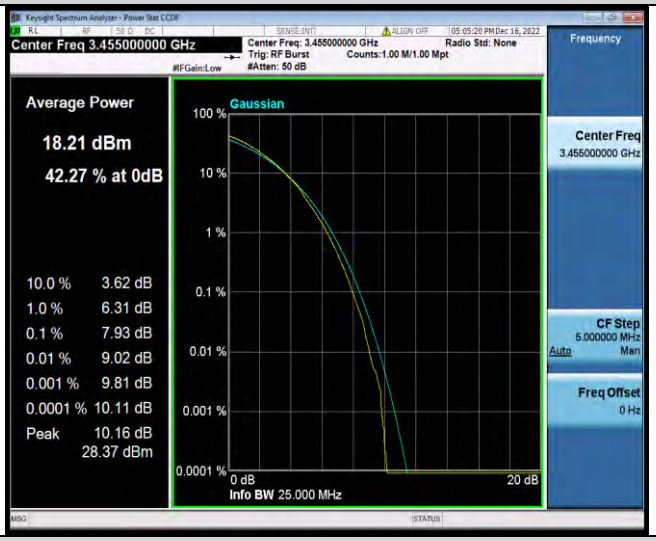

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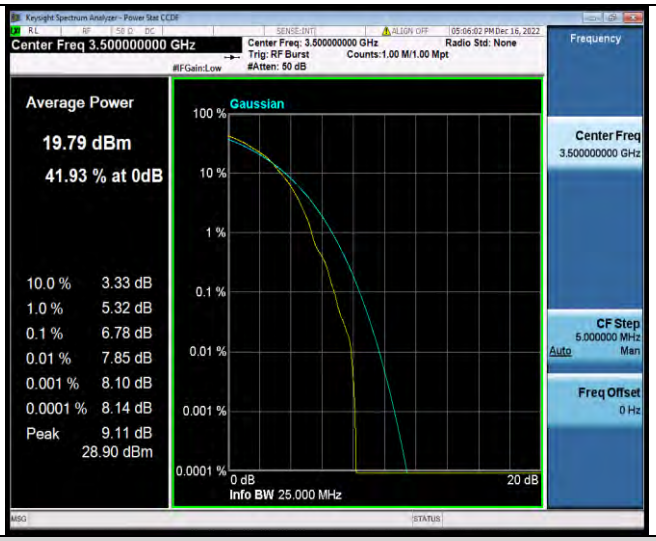

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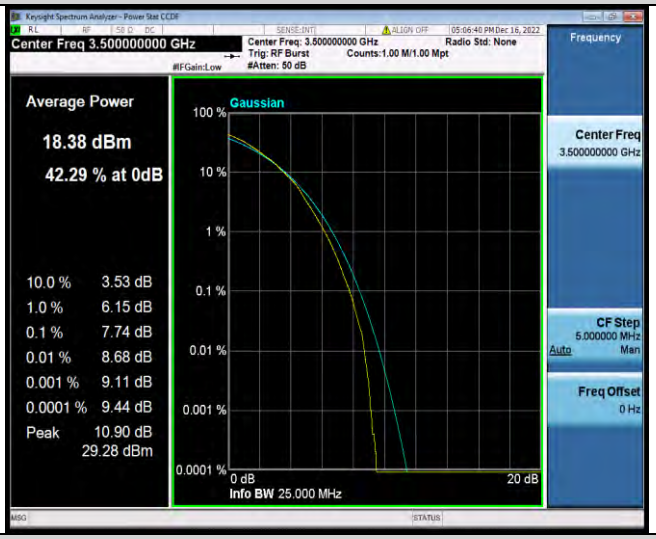

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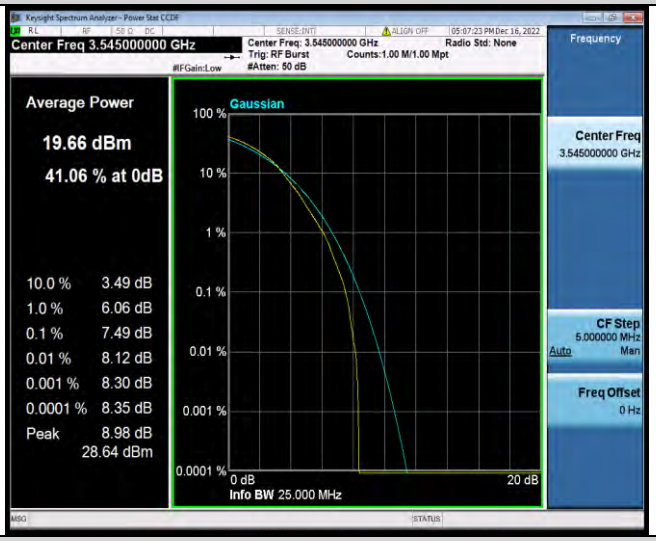

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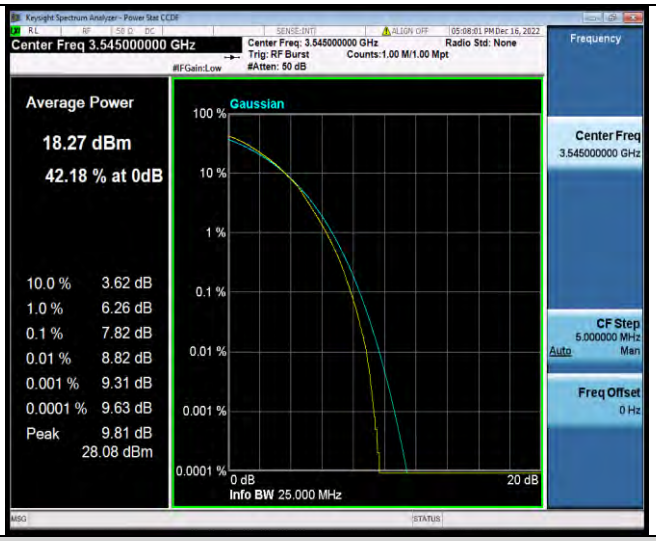

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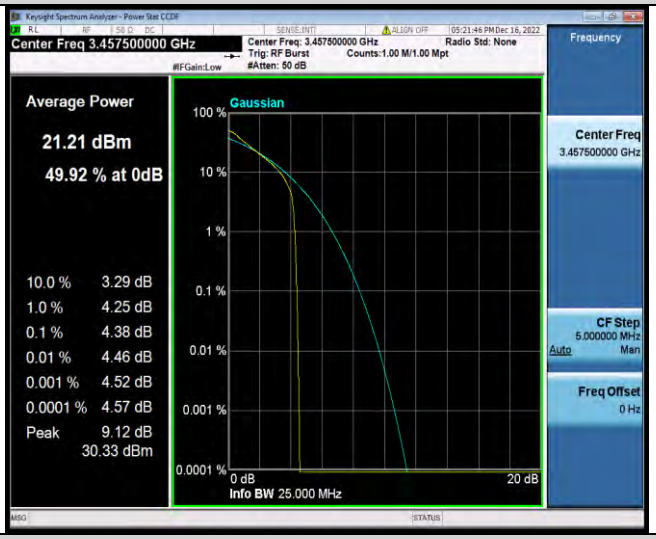

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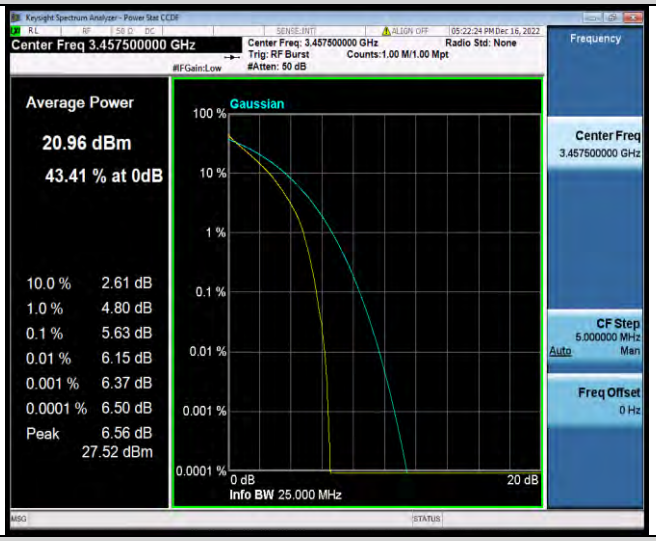

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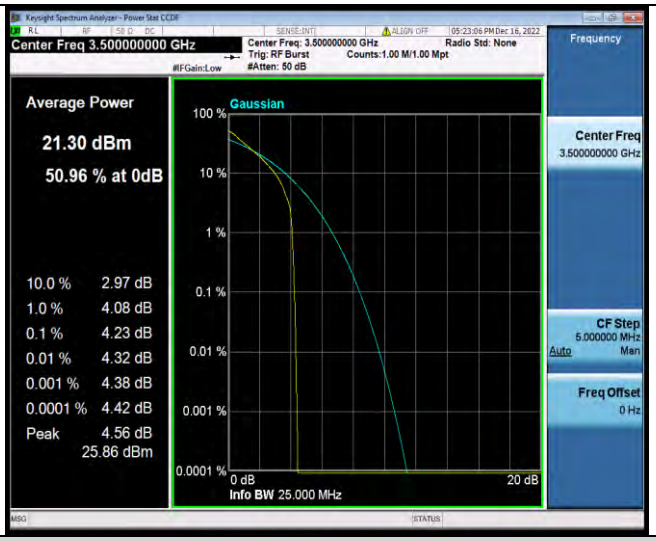

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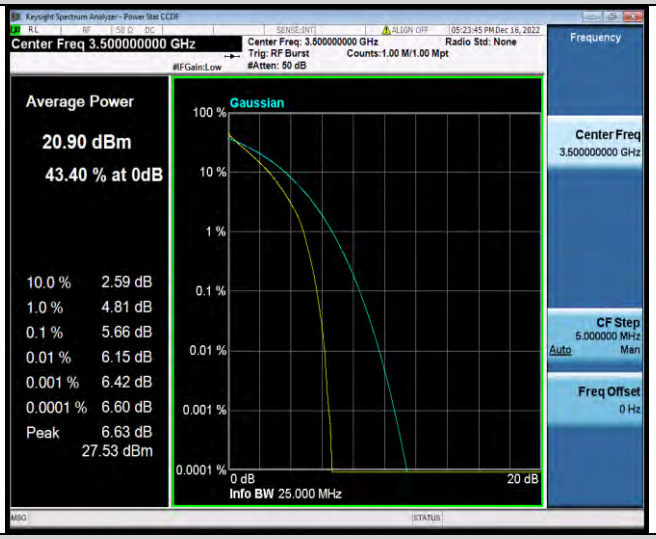

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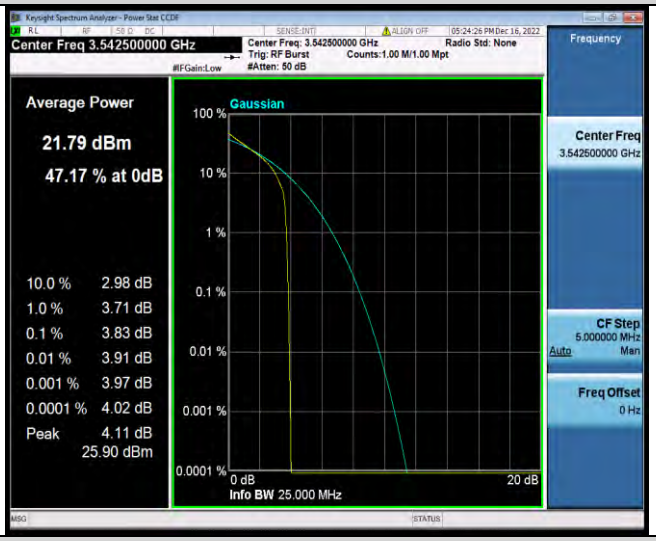

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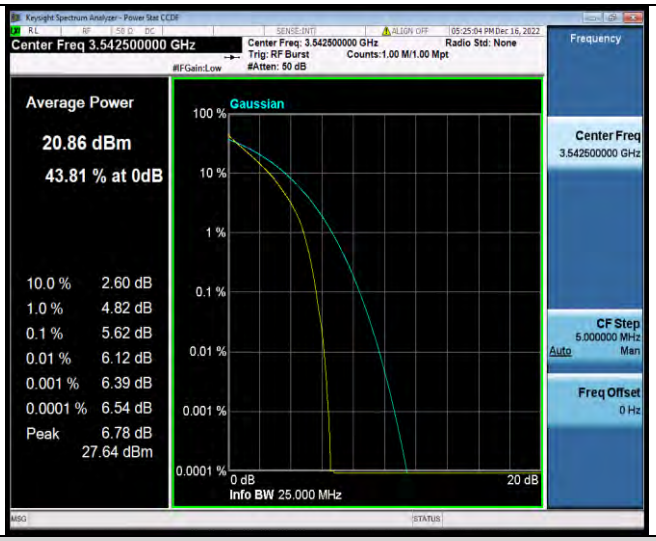

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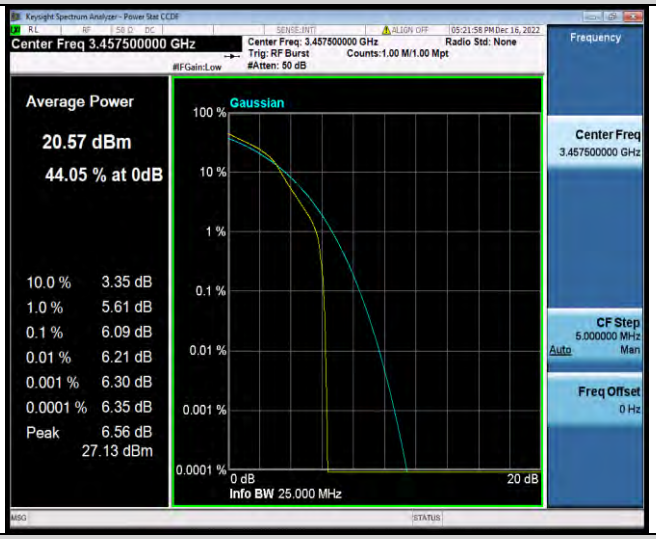

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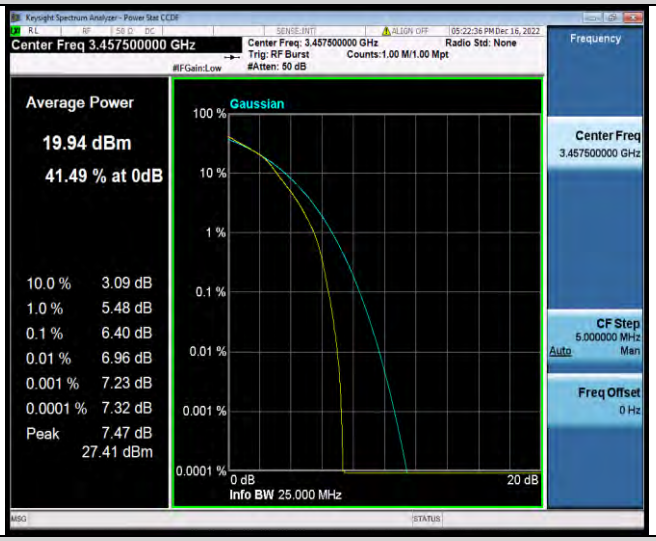

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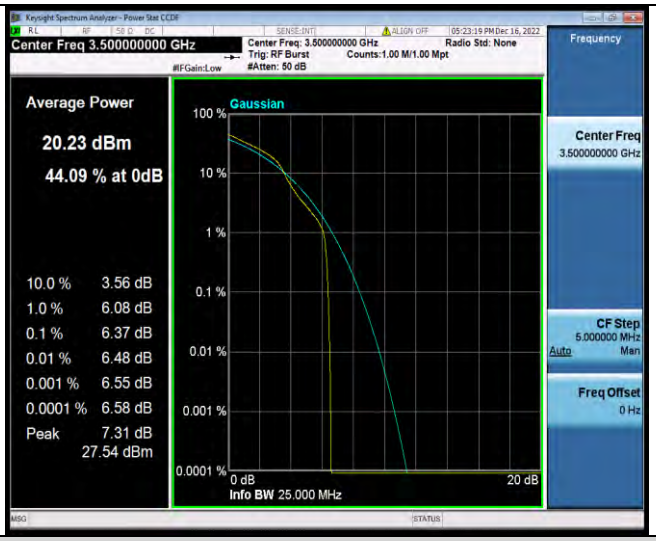

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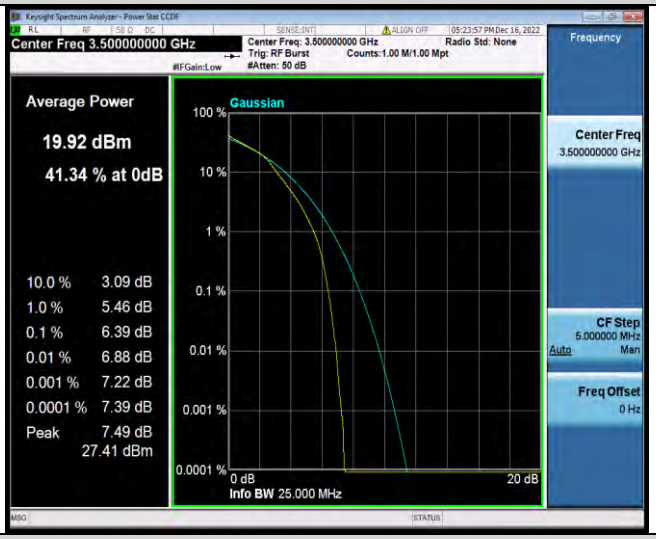

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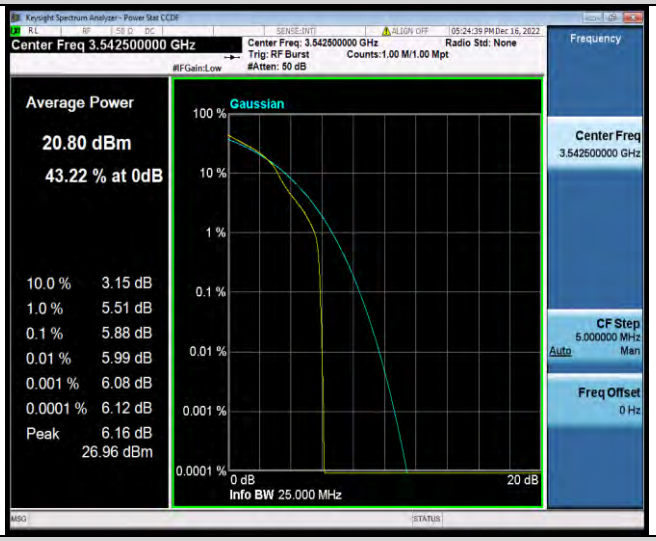

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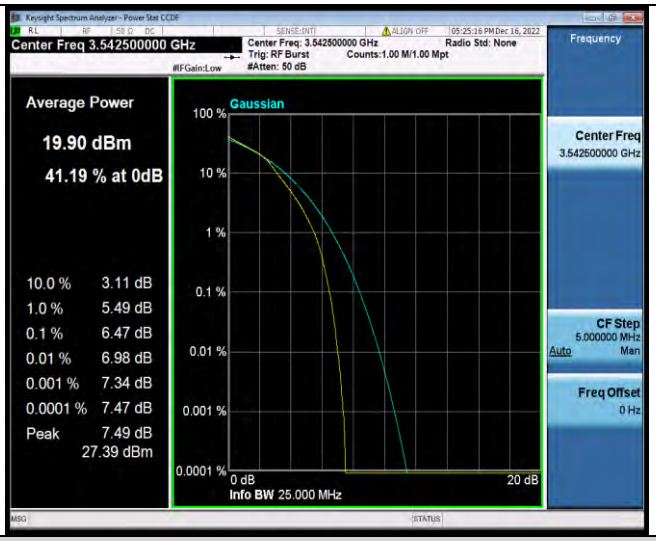

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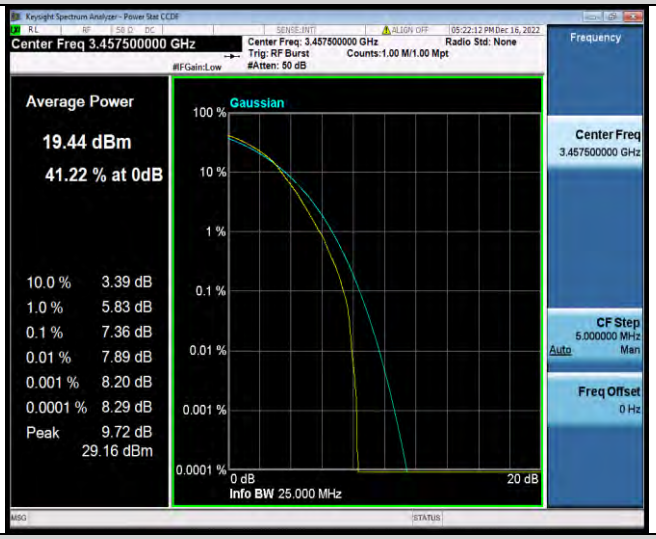

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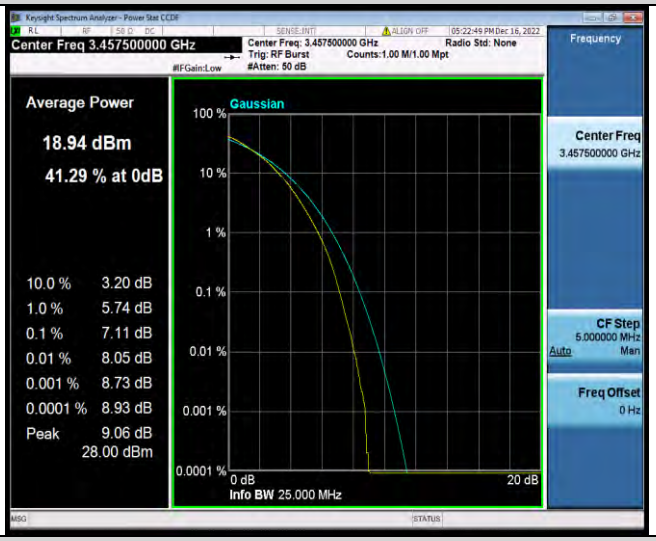

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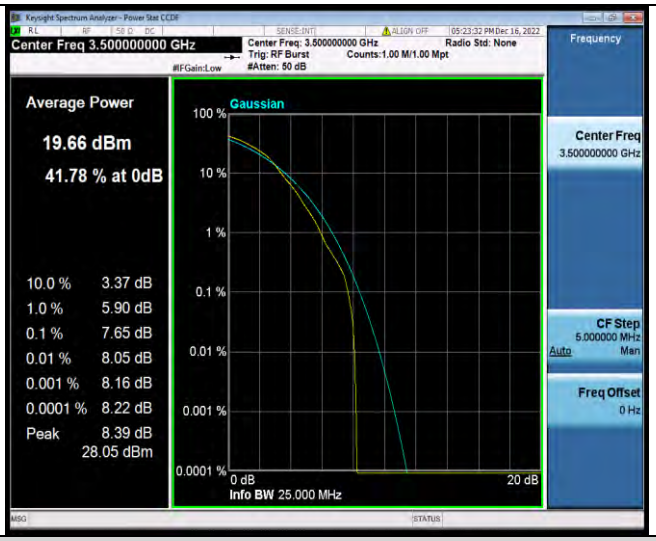
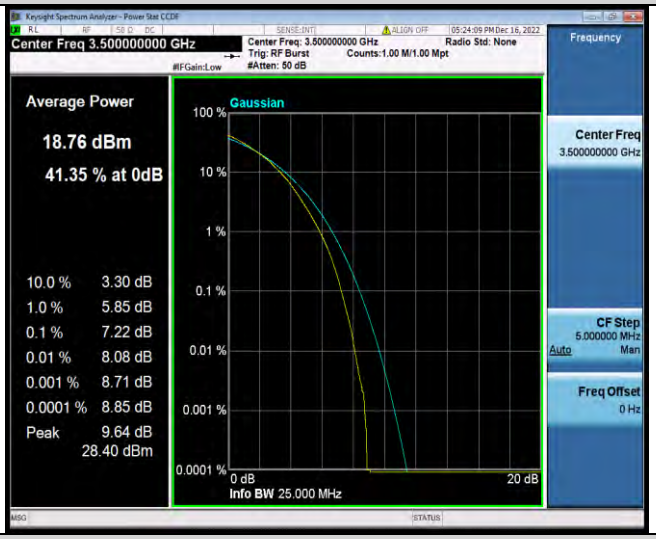
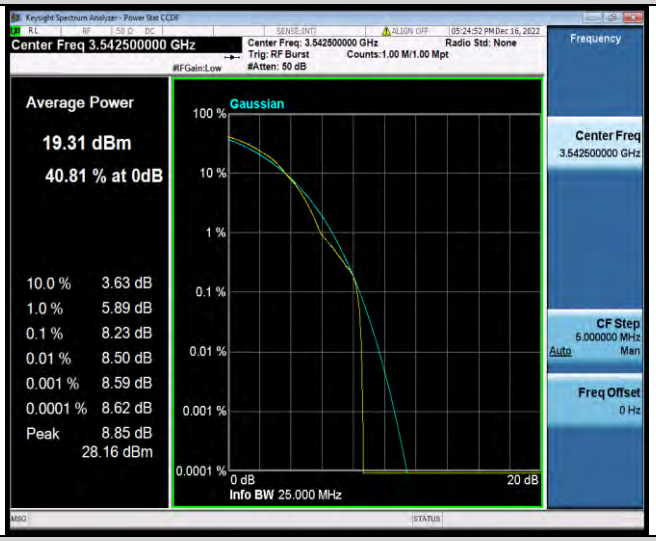


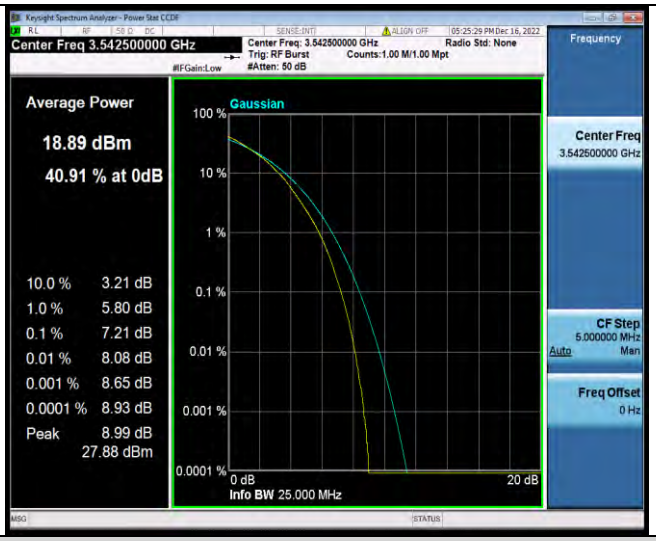
Band42-15MHz-64QAM-42590-75RB#0



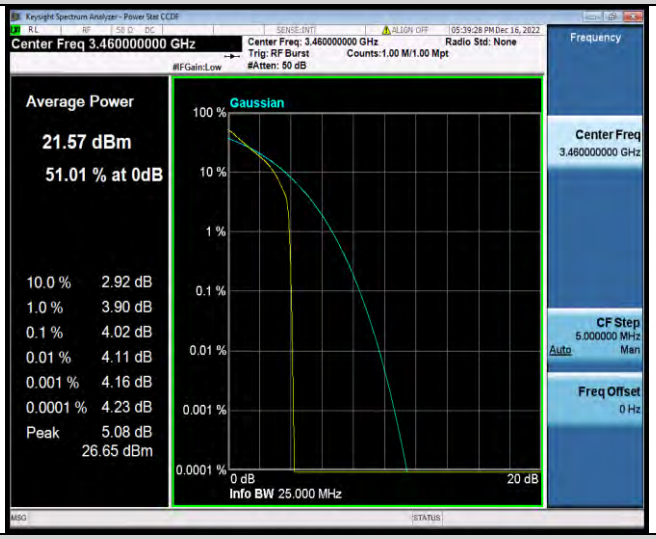
Band42-15MHz-64QAM-43015-1RB#0



Band42-15MHz-64QAM-43015-75RB#0



Band42-20MHz-QPSK-42190-1RB#0



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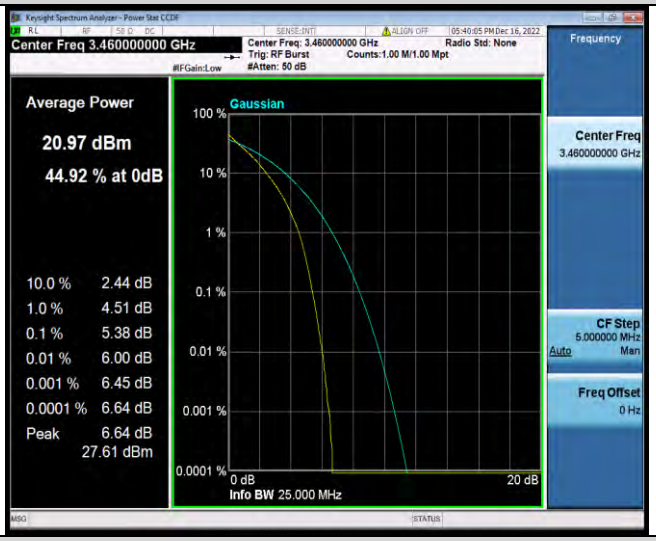
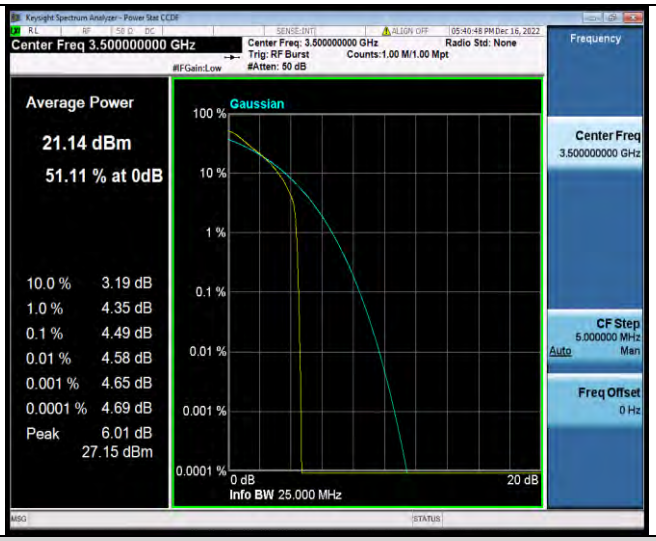
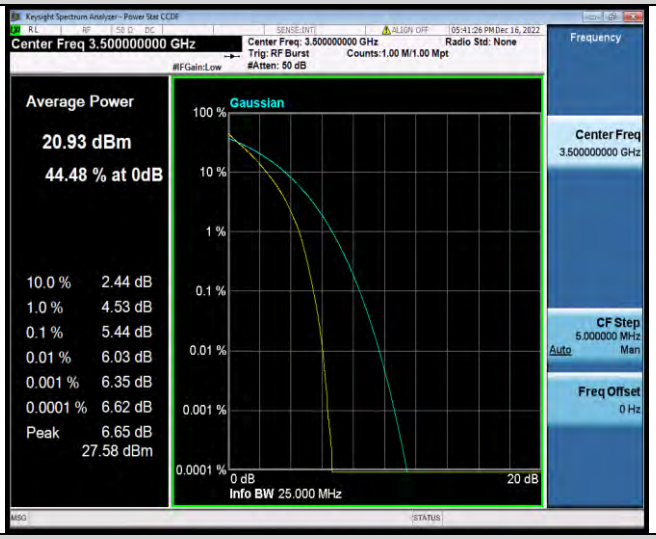


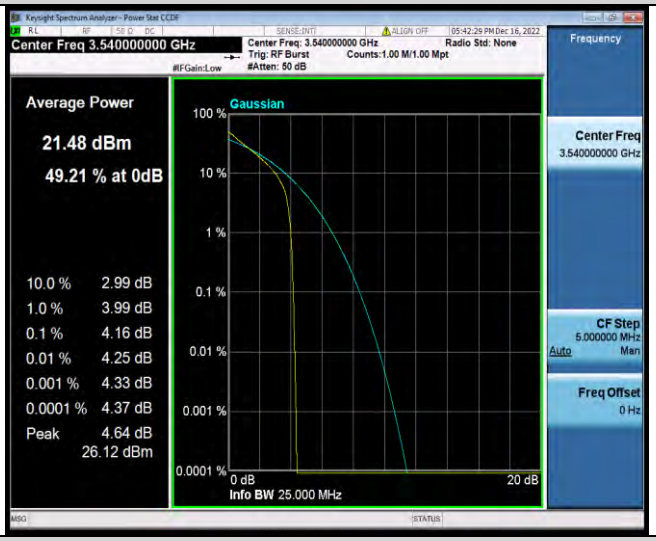
Band42-20MHz-QPSK-42590-1RB#0



Band42-20MHz-QPSK-42590-100RB#0



Band42-20MHz-QPSK-42990-1RB#0



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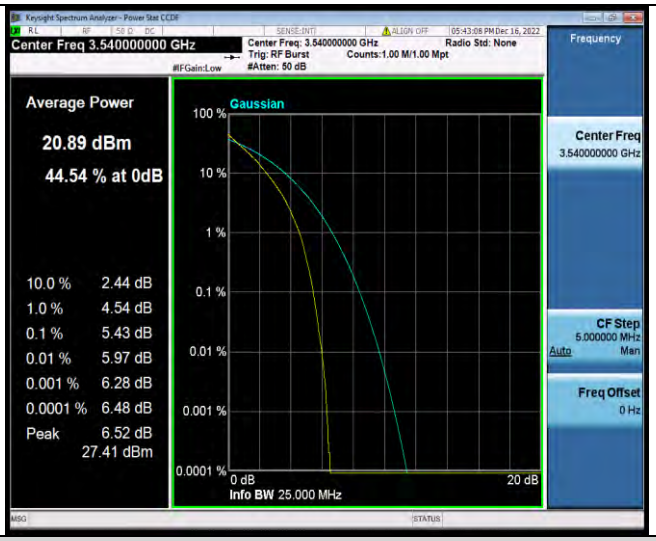

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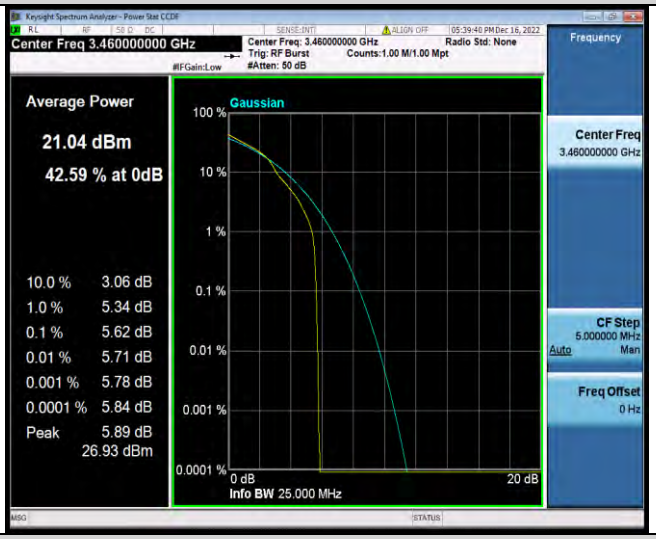

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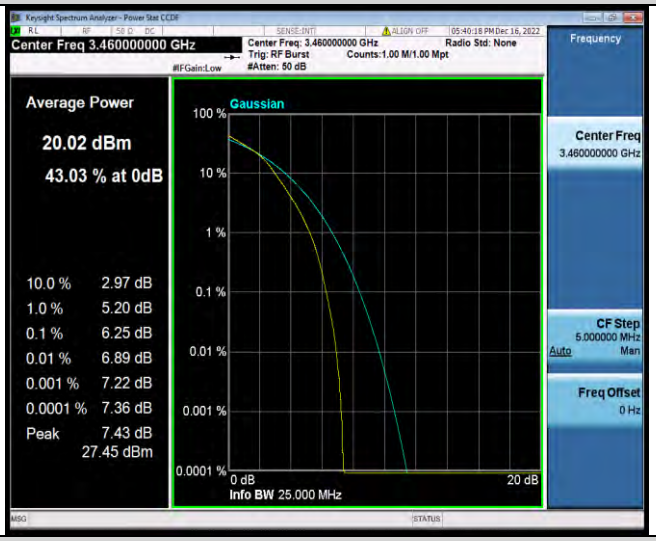

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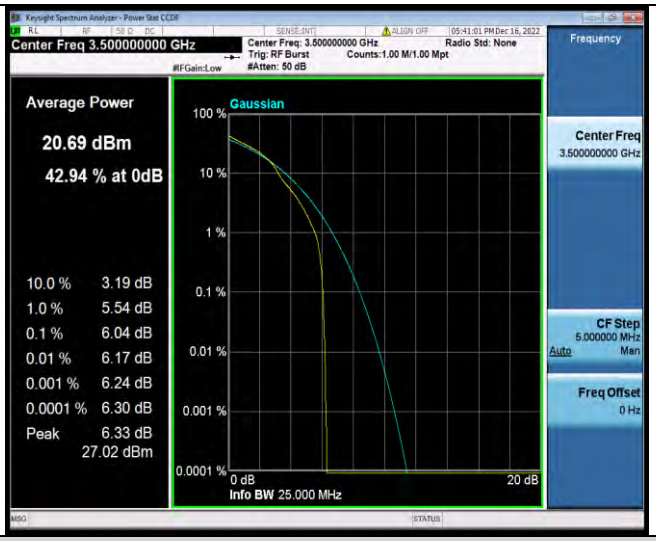

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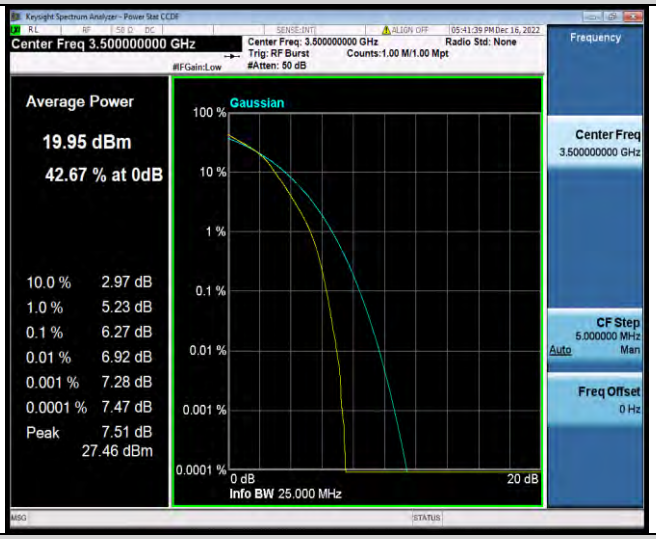

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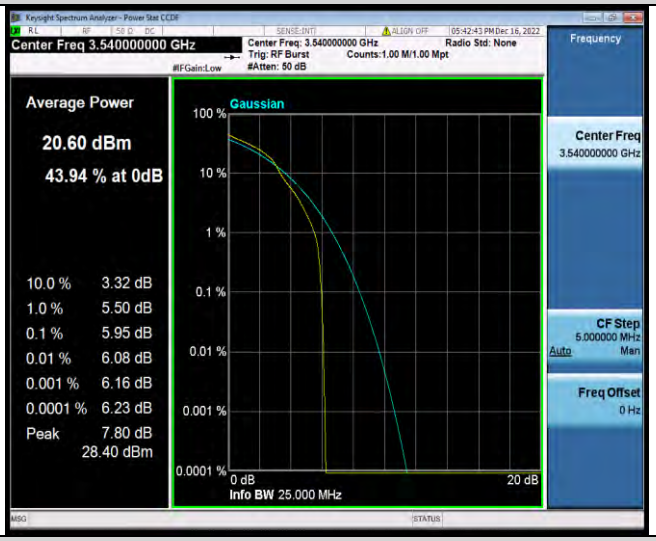
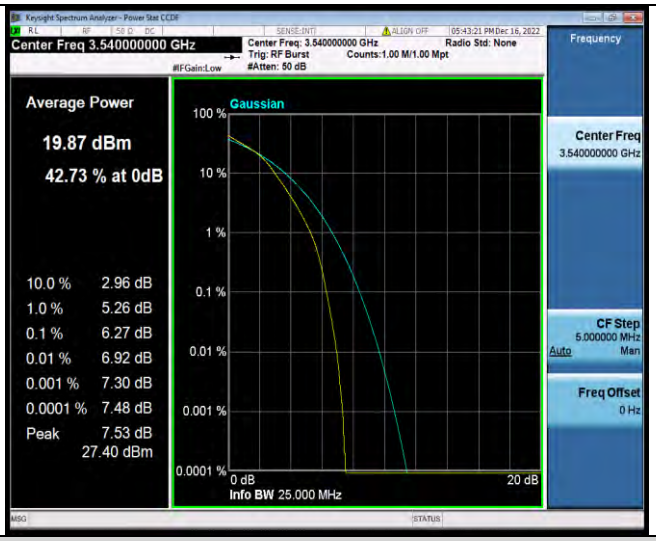
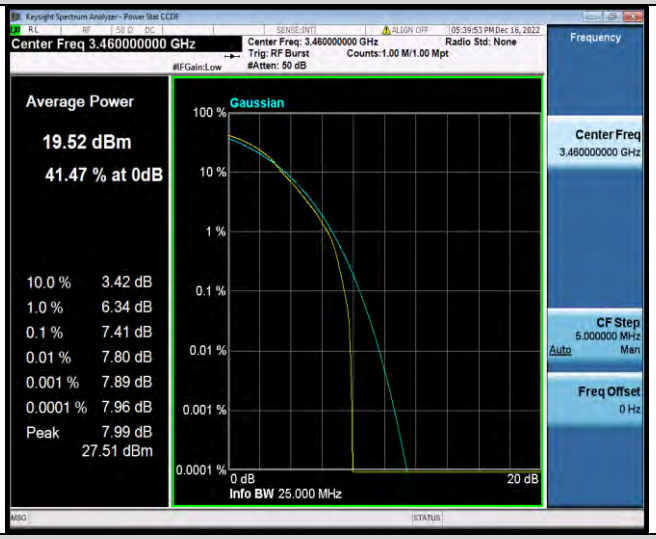


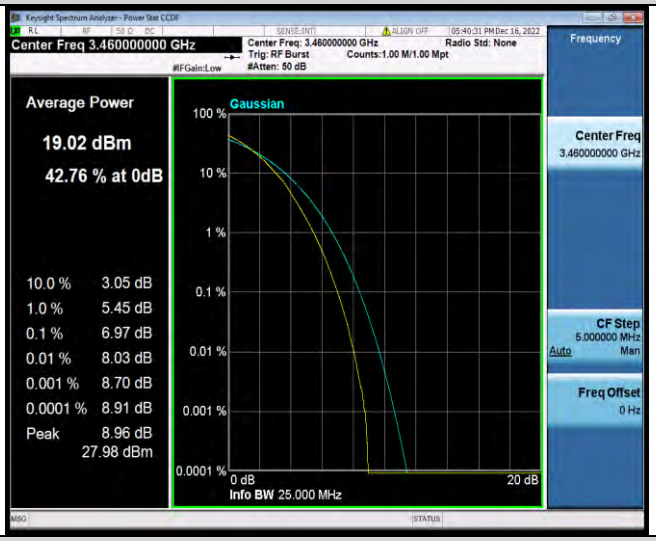
Band42-20MHz-16QAM-42990-100RB#0



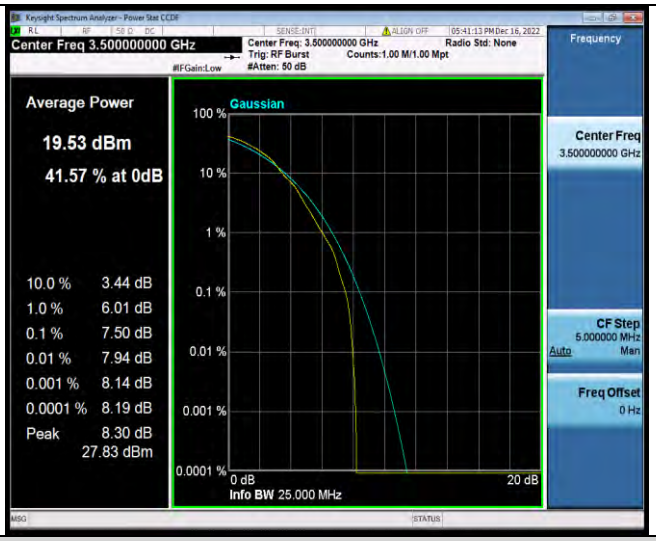
Band42-20MHz-64QAM-42190-1RB#0



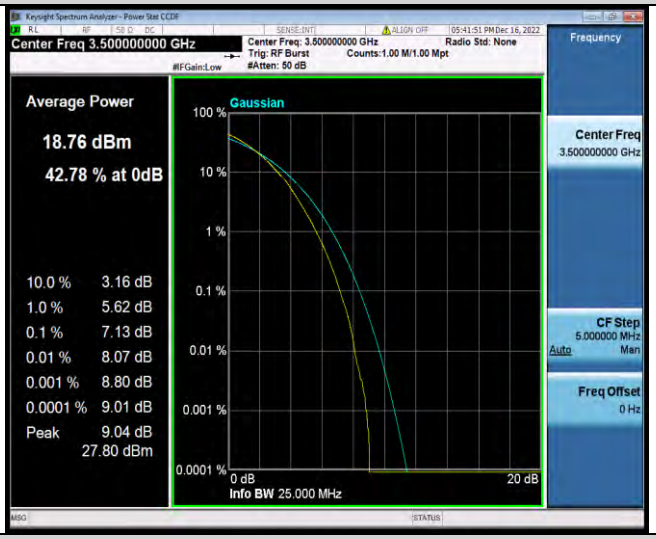
Band42-20MHz-64QAM-42190-100RB#0



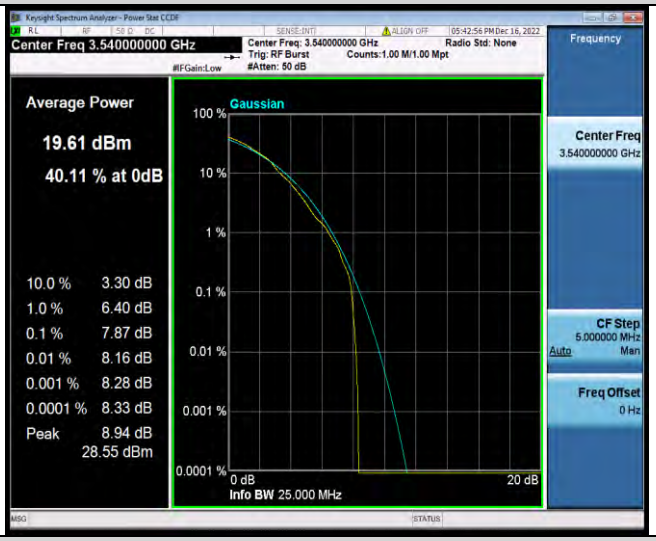
Band42-20MHz-64QAM-42590-1RB#0



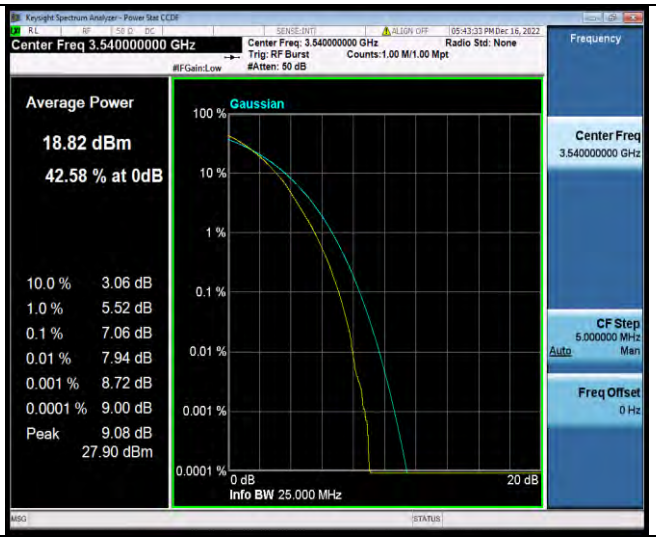
Band42-20MHz-64QAM-42590-100RB#0



Band42-20MHz-64QAM-42990-1RB#0



Band42-20MHz-64QAM-42990-100RB#0


Keysight Spectrum Analyzer - Power Stat CCDF
Center Freq 3.540000000 GHz
Center Freq: 3.540000000 GHz
Trig: RF Burst
Counts:1.00 M/1.00 Mpt
#Atten: 50 dB
Radio Std: None
Frequency
Average Power
18.82 dBm
42.58 % at 0dB
10.0 % 3.06 dB
1.0 % 5.52 dB
0.1 % 7.06 dB
0.01 % 7.94 dB
0.001 % 8.72 dB
0.0001 % 9.00 dB
Peak 9.08 dB
27.90 dBm
Gaussian
100 %
10 %
1 %
0.1 %
0.01 %
0.001 %
0.0001 %
0 dB
20 dB
Info BW 25.000 MHz
Center Freq
3.540000000 GHz
CF Step
5.000000 MHz
Auto
Man
Freq Offset
0 Hz

26DB BANDWIDTH AND OCCUPIED BANDWIDTH

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band42	5MHz	QPSK	42115	25RB#0	4.5022	4.834	PASS
Band42	5MHz	QPSK	42590	25RB#0	4.4984	4.889	PASS
Band42	5MHz	QPSK	43065	25RB#0	4.5026	4.843	PASS
Band42	5MHz	16QAM	42115	25RB#0	4.4991	4.828	PASS
Band42	5MHz	16QAM	42590	25RB#0	4.4996	4.864	PASS
Band42	5MHz	16QAM	43065	25RB#0	4.4984	4.842	PASS
Band42	5MHz	64QAM	42115	25RB#0	4.4910	4.858	PASS
Band42	5MHz	64QAM	42590	25RB#0	4.5004	4.855	PASS
Band42	5MHz	64QAM	43065	25RB#0	4.5045	4.952	PASS
Band42	10MHz	QPSK	42140	50RB#0	8.9939	9.511	PASS
Band42	10MHz	QPSK	42590	50RB#0	8.9814	9.559	PASS
Band42	10MHz	QPSK	43040	50RB#0	8.9755	9.511	PASS
Band42	10MHz	16QAM	42140	50RB#0	8.9729	9.542	PASS
Band42	10MHz	16QAM	42590	50RB#0	8.9768	9.539	PASS
Band42	10MHz	16QAM	43040	50RB#0	8.9870	9.531	PASS
Band42	10MHz	64QAM	42140	50RB#0	8.9720	9.512	PASS
Band42	10MHz	64QAM	42590	50RB#0	8.9754	9.538	PASS
Band42	10MHz	64QAM	43040	50RB#0	8.9743	9.525	PASS
Band42	15MHz	QPSK	42165	75RB#0	13.470	14.26	PASS
Band42	15MHz	QPSK	42590	75RB#0	13.458	14.23	PASS
Band42	15MHz	QPSK	43015	75RB#0	13.455	14.25	PASS
Band42	15MHz	16QAM	42165	75RB#0	13.458	14.29	PASS
Band42	15MHz	16QAM	42590	75RB#0	13.461	14.25	PASS
Band42	15MHz	16QAM	43015	75RB#0	13.465	14.26	PASS
Band42	15MHz	64QAM	42165	75RB#0	13.433	14.23	PASS
Band42	15MHz	64QAM	42590	75RB#0	13.459	14.27	PASS
Band42	15MHz	64QAM	43015	75RB#0	13.460	14.22	PASS
Band42	20MHz	QPSK	42190	100RB#0	17.933	18.97	PASS
Band42	20MHz	QPSK	42590	100RB#0	17.933	18.97	PASS
Band42	20MHz	QPSK	42990	100RB#0	17.925	18.97	PASS
Band42	20MHz	16QAM	42190	100RB#0	17.918	18.96	PASS
Band42	20MHz	16QAM	42590	100RB#0	17.934	18.97	PASS
Band42	20MHz	16QAM	42990	100RB#0	17.916	18.95	PASS
Band42	20MHz	64QAM	42190	100RB#0	17.956	18.94	PASS
Band42	20MHz	64QAM	42590	100RB#0	17.957	18.99	PASS
Band42	20MHz	64QAM	42990	100RB#0	17.940	18.96	PASS

Test Graphs

Band42-5MHz-QPSK-42115-25RB#0

Band42-5MHz-QPSK-42590-25RB#0

Band42-5MHz-QPSK-43065-25RB#0

Band42-5MHz-16QAM-42115-25RB#0

Band42-5MHz-16QAM-42590-25RB#0

Band42-5MHz-16QAM-43065-25RB#0

Band42-5MHz-64QAM-42115-25RB#0

Band42-5MHz-64QAM-42590-25RB#0

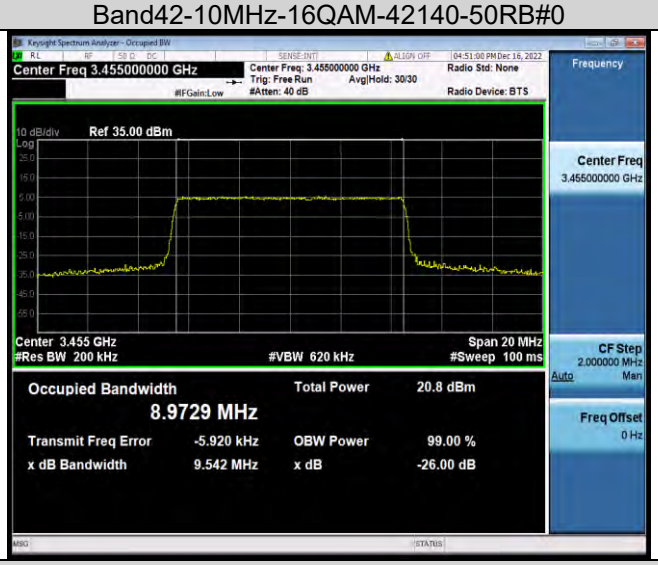
Band42-5MHz-64QAM-43065-25RB#0

Band42-10MHz-QPSK-42140-50RB#0

Band42-10MHz-QPSK-42590-50RB#0

Band42-10MHz-QPSK-43040-50RB#0

Band42-10MHz-16QAM-42140-50RB#0



Band42-10MHz-16QAM-42590-50RB#0

Band42-10MHz-16QAM-43040-50RB#0

Band42-10MHz-64QAM-42140-50RB#0

Band42-10MHz-64QAM-42590-50RB#0

Band42-10MHz-64QAM-43040-50RB#0

Band42-15MHz-QPSK-42165-75RB#0

Band42-15MHz-QPSK-42590-75RB#0

Band42-15MHz-QPSK-43015-75RB#0

Band42-15MHz-16QAM-42165-75RB#0

Band42-15MHz-16QAM-42590-75RB#0

Band42-15MHz-16QAM-43015-75RB#0

Band42-15MHz-64QAM-42165-75RB#0

Band42-15MHz-64QAM-42590-75RB#0

Band42-15MHz-64QAM-43015-75RB#0

Band42-20MHz-QPSK-42190-100RB#0

Band42-20MHz-QPSK-42590-100RB#0

Band42-20MHz-QPSK-42990-100RB#0

Band42-20MHz-16QAM-42190-100RB#0

Band42-20MHz-16QAM-42590-100RB#0

Band42-20MHz-16QAM-42990-100RB#0

Band42-20MHz-64QAM-42190-100RB#0

Band42-20MHz-64QAM-42590-100RB#0

Band42-20MHz-64QAM-42990-100RB#0

Keysight Spectrum Analyzer - Occupied BW
Center Freq 3.540000000 GHz
Center Freq: 3.540000000 GHz
Trig: Free Run
Avg|Hold: 30/30
#Atten: 40 dB
Radio Std: None
Radio Device: BTS
Frequency
Ref Offset 14.05 dB
10 dB/div
Ref 35.00 dBm
Log
Center Freq
3.540000000 GHz
Center 3.54 GHz
Res BW 390 kHz
#VBW 1.2 MHz
Span 40 MHz
#Sweep 100 ms
CF Step
4.000000 MHz
Auto
Man
Occupied Bandwidth
17.940 MHz
Total Power
19.5 dBm
Transmit Freq Error
-15.483 kHz
OBW Power
99.00 %
x dB Bandwidth
18.96 MHz
x dB
-26.00 dB
Freq Offset
0 Hz

BAND EDGE

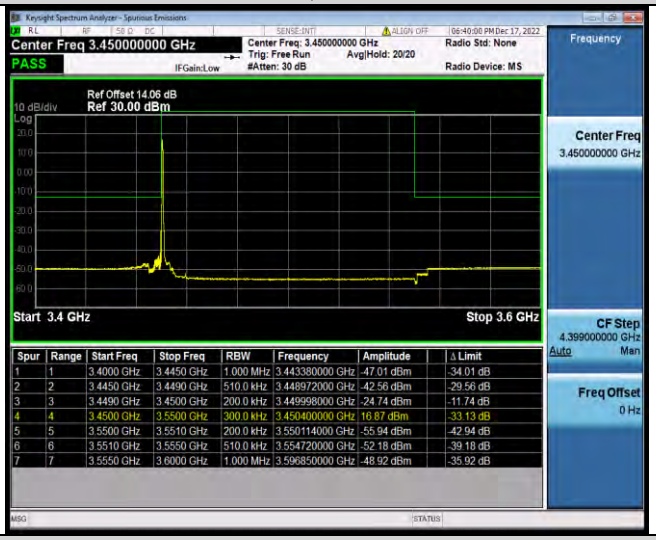
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band42	5MHz	QPSK	42115	1RB#0	-47.01,-42.56,-24.74	PASS
Band42	5MHz	QPSK	42115	25RB#0	-41.93,-30.87,-29.94	PASS
Band42	5MHz	QPSK	43065	1RB#24	-27.22,-42.11,-47.22	PASS
Band42	5MHz	QPSK	43065	25RB#0	-30.31,-28.80,-41.47	PASS
Band42	5MHz	16QAM	42115	1RB#0	-47.36,-44.13,-28.02	PASS
Band42	5MHz	16QAM	42115	25RB#0	-42.65,-31.25,-31.34	PASS
Band42	5MHz	16QAM	43065	1RB#24	-28.13,-43.13,-47.25	PASS
Band42	5MHz	16QAM	43065	25RB#0	-29.55,-29.36,-41.84	PASS
Band42	5MHz	64QAM	42115	1RB#0	-48.25,-43.43,-30.91	PASS
Band42	5MHz	64QAM	42115	25RB#0	-43.40,-31.24,-31.65	PASS
Band42	5MHz	64QAM	43065	1RB#24	-28.64,-44.58,-48.23	PASS
Band42	5MHz	64QAM	43065	25RB#0	-29.95,-30.10,-41.05	PASS
Band42	10MHz	QPSK	42140	1RB#0	-47.66,-43.54,-38.66	PASS
Band42	10MHz	QPSK	42140	50RB#0	-34.85,-32.08,-33.79	PASS
Band42	10MHz	QPSK	43040	1RB#49	-37.98,-43.61,-47.78	PASS
Band42	10MHz	QPSK	43040	50RB#0	-33.01,-30.78,-32.90	PASS
Band42	10MHz	16QAM	42140	1RB#0	-47.86,-44.09,-41.74	PASS
Band42	10MHz	16QAM	42140	50RB#0	-35.01,-32.41,-35.03	PASS
Band42	10MHz	16QAM	43040	1RB#49	-40.86,-44.62,-47.96	PASS
Band42	10MHz	16QAM	43040	50RB#0	-33.34,-31.80,-33.35	PASS
Band42	10MHz	64QAM	42140	1RB#0	-48.12,-44.34,-41.25	PASS
Band42	10MHz	64QAM	42140	50RB#0	-36.34,-32.96,-35.25	PASS
Band42	10MHz	64QAM	43040	1RB#49	-40.16,-42.99,-48.23	PASS
Band42	10MHz	64QAM	43040	50RB#0	-33.87,-31.79,-34.39	PASS
Band42	15MHz	QPSK	42165	1RB#0	-55.84,-52.20,-48.95	PASS
Band42	15MHz	QPSK	42165	75RB#0	-33.69,-33.06,-35.85	PASS
Band42	15MHz	QPSK	43015	1RB#74	-41.65,-43.41,-47.79	PASS
Band42	15MHz	QPSK	43015	75RB#0	-35.64,-31.98,-32.48	PASS
Band42	15MHz	16QAM	42165	1RB#0	-55.83,-52.15,-48.89	PASS
Band42	15MHz	16QAM	42165	75RB#0	-33.75,-33.07,-36.94	PASS
Band42	15MHz	16QAM	43015	1RB#74	-43.10,-45.45,-47.83	PASS
Band42	15MHz	16QAM	43015	75RB#0	-35.39,-31.68,-31.68	PASS
Band42	15MHz	64QAM	42165	1RB#0	-55.95,-52.15,-48.90	PASS
Band42	15MHz	64QAM	42165	75RB#0	-34.57,-34.07,-37.02	PASS
Band42	15MHz	64QAM	43015	1RB#74	-43.22,-43.71,-48.24	PASS
Band42	15MHz	64QAM	43015	75RB#0	-35.51,-32.47,-32.36	PASS
Band42	20MHz	QPSK	42190	1RB#0	-47.56,-44.22,-43.60	PASS
Band42	20MHz	QPSK	42190	100RB#0	-35.27,-34.88,-36.37	PASS
Band42	20MHz	QPSK	42990	1RB#99	-42.71,-44.65,-47.95	PASS
Band42	20MHz	QPSK	42990	100RB#0	-35.64,-32.50,-32.49	PASS
Band42	20MHz	16QAM	42190	1RB#0	-48.34,-46.21,-43.91	PASS
Band42	20MHz	16QAM	42190	100RB#0	-34.23,-35.04,-38.07	PASS
Band42	20MHz	16QAM	42990	1RB#99	-43.64,-45.62,-48.24	PASS
Band42	20MHz	16QAM	42990	100RB#0	-36.39,-33.19,-33.24	PASS
Band42	20MHz	64QAM	42190	1RB#0	-48.17,-44.41,-45.20	PASS

Band42	20MHz	64QAM	42190	100RB#0	-36.06,-34.66,-38.70	PASS
Band42	20MHz	64QAM	42990	1RB#99	-45.88,-43.39,-48.21	PASS
Band42	20MHz	64QAM	42990	100RB#0	-37.00,-34.34,-32.44	PASS

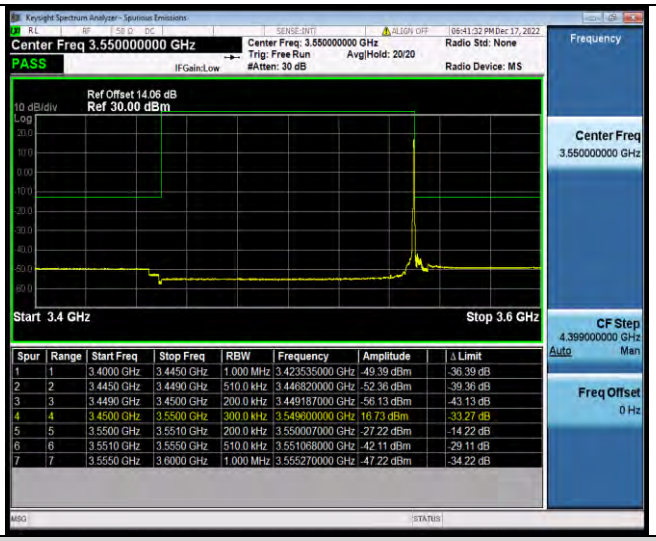
Test Graphs

Band42-5MHz-QPSK-42115-1RB#0



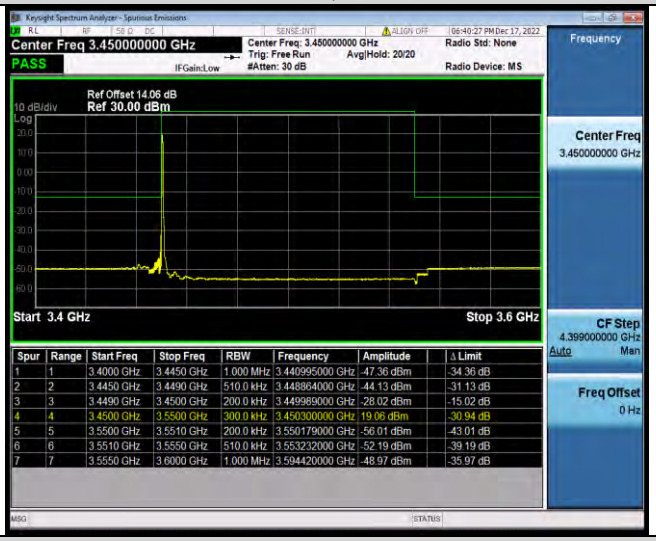
Band42-5MHz-QPSK-42115-25RB#0

Band42-5MHz-QPSK-43065-1RB#24



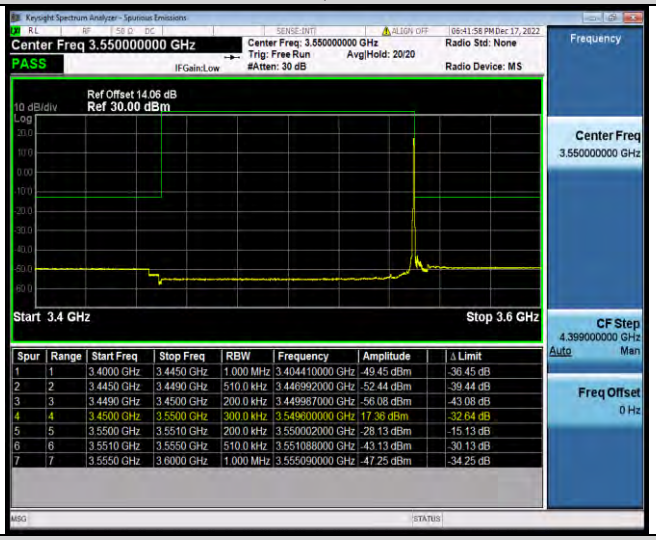
Band42-5MHz-QPSK-43065-25RB#0

Band42-5MHz-16QAM-42115-1RB#0



Band42-5MHz-16QAM-42115-25RB#0

Band42-5MHz-16QAM-43065-1RB#24



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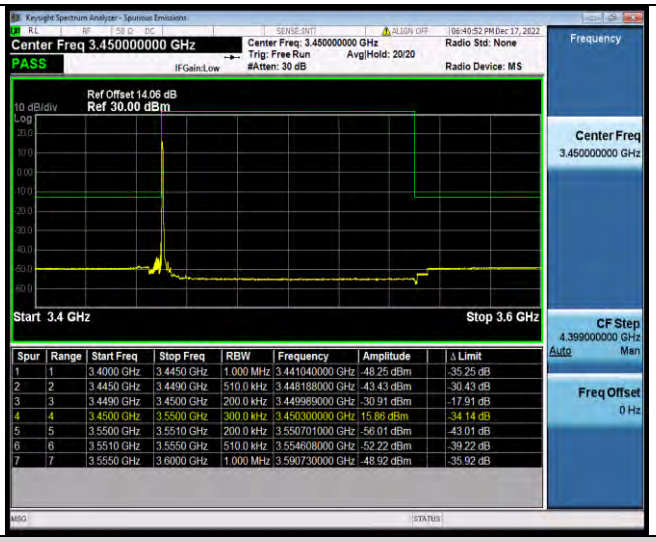

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Band42-5MHz-64QAM-43065-1RB#24

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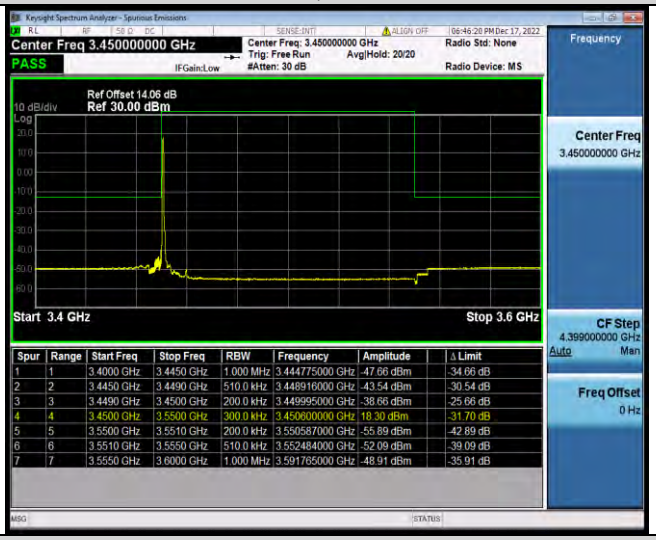

Band42-10MHz-QPSK-42140-50RB#0

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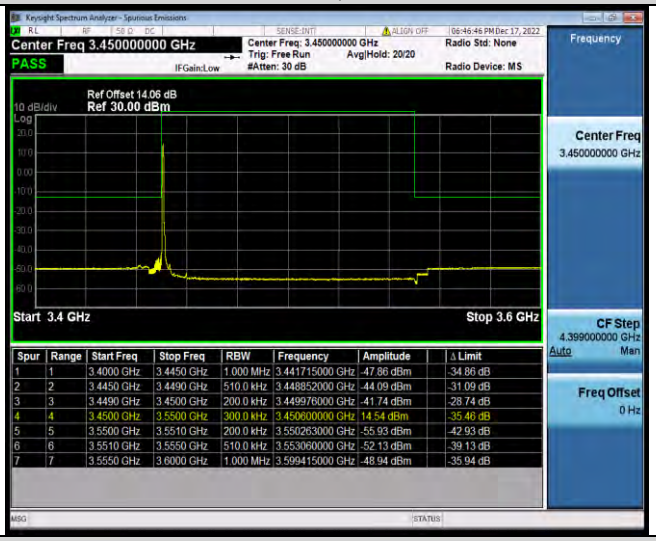

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