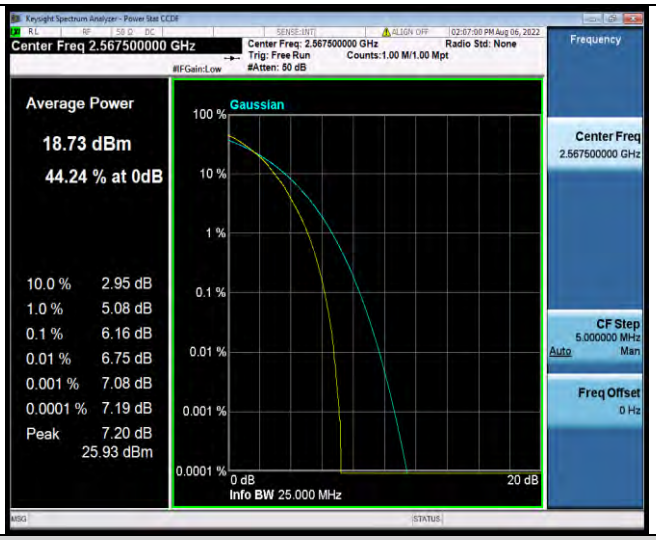

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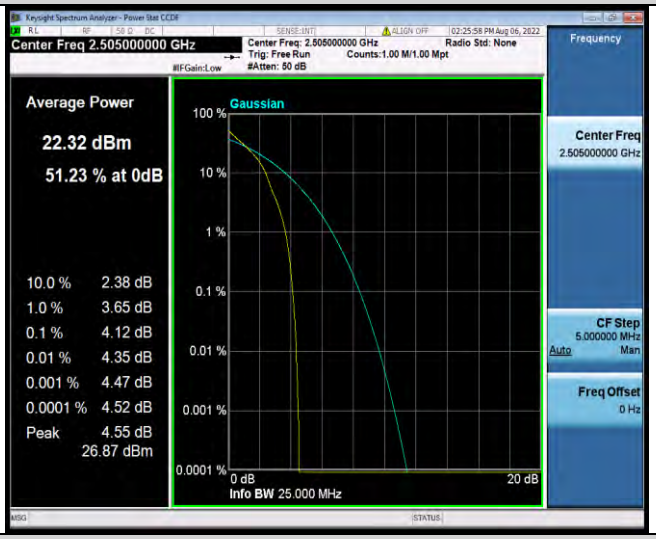

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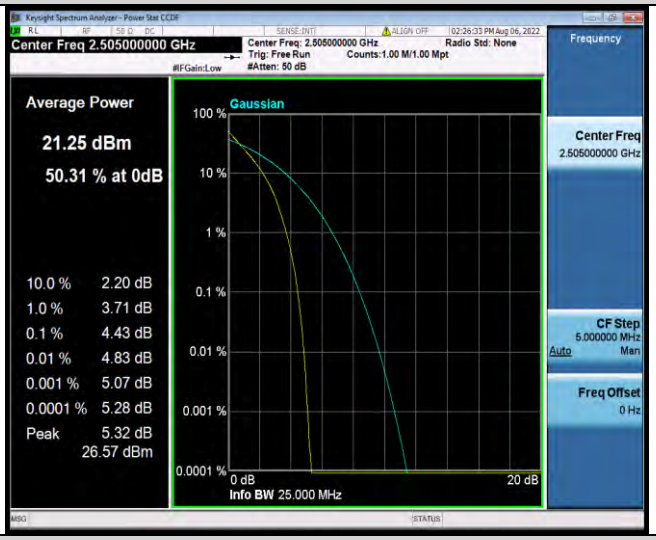

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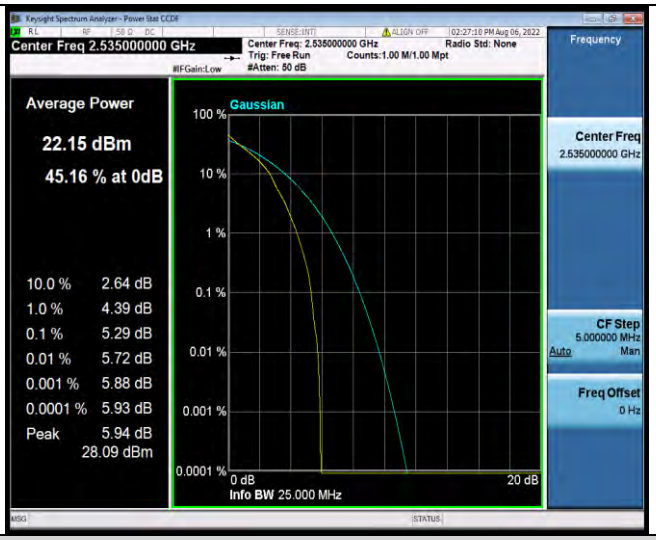

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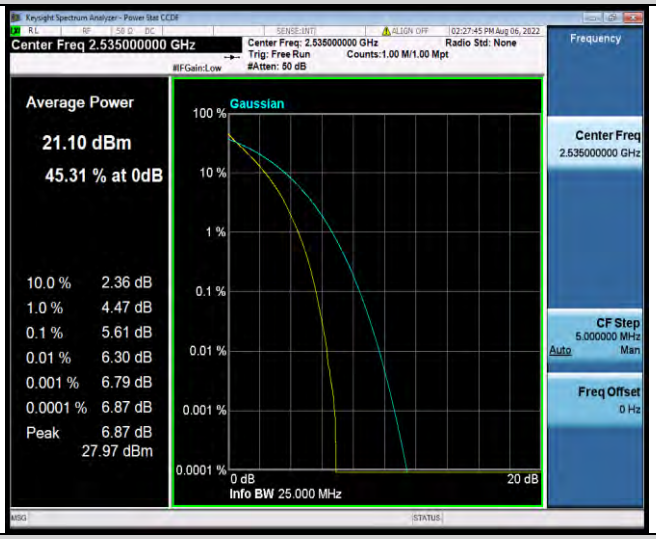

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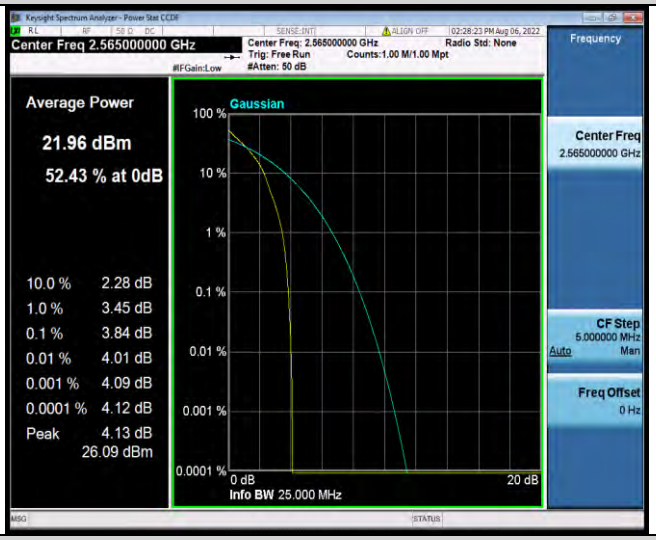

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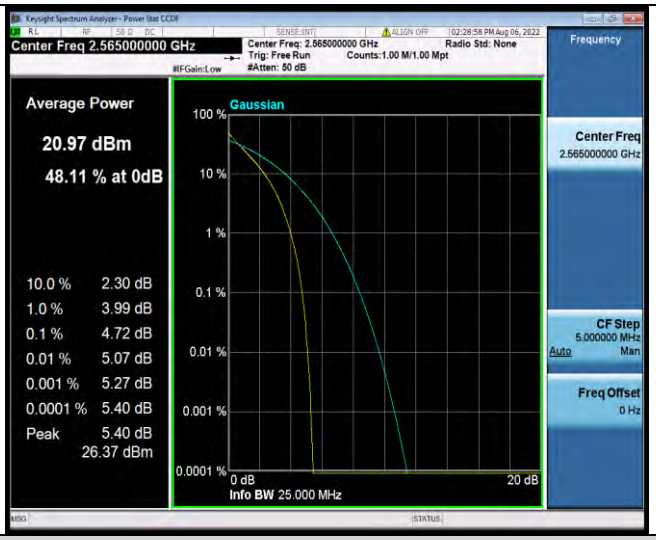

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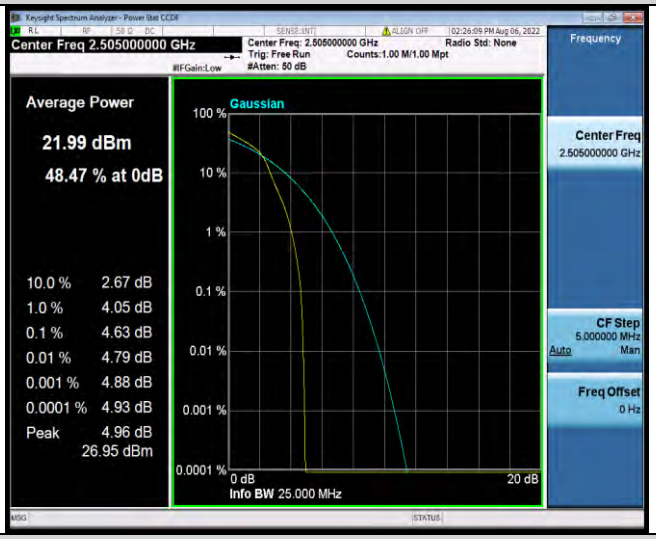

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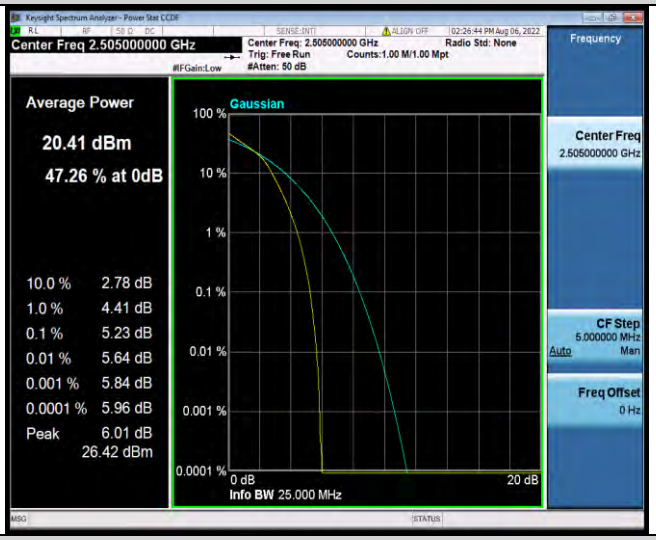

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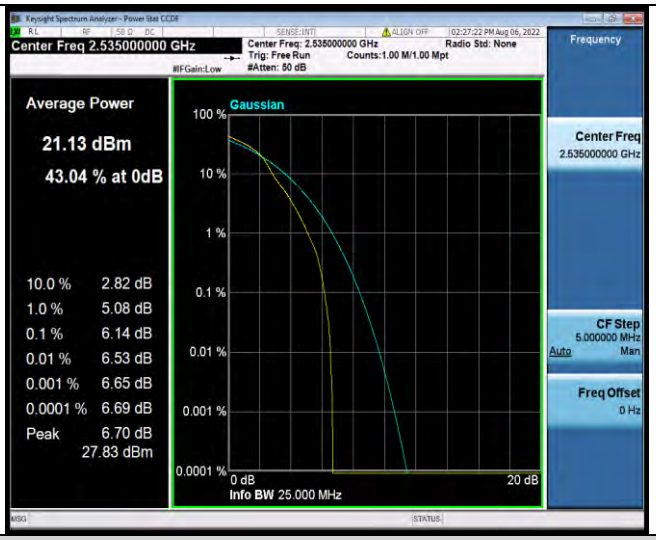

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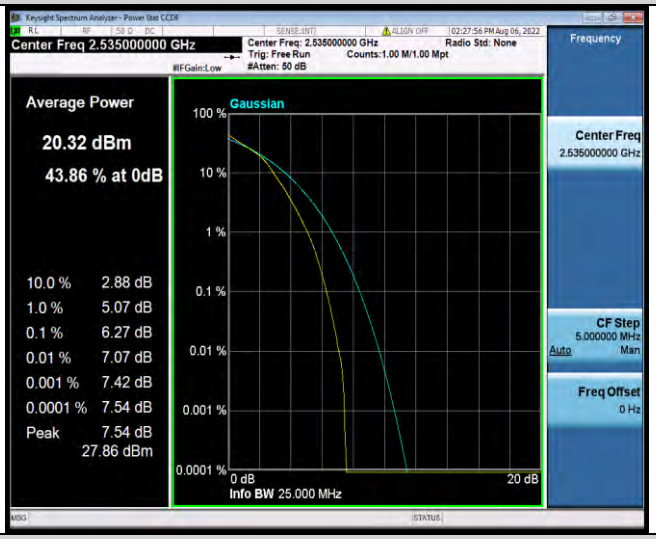

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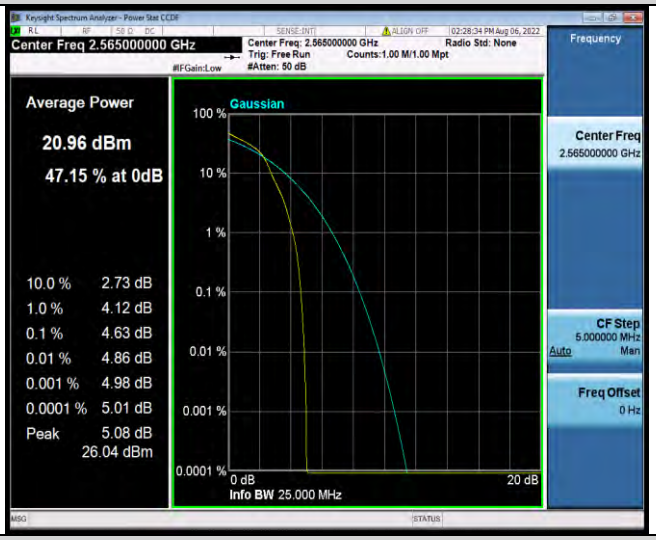

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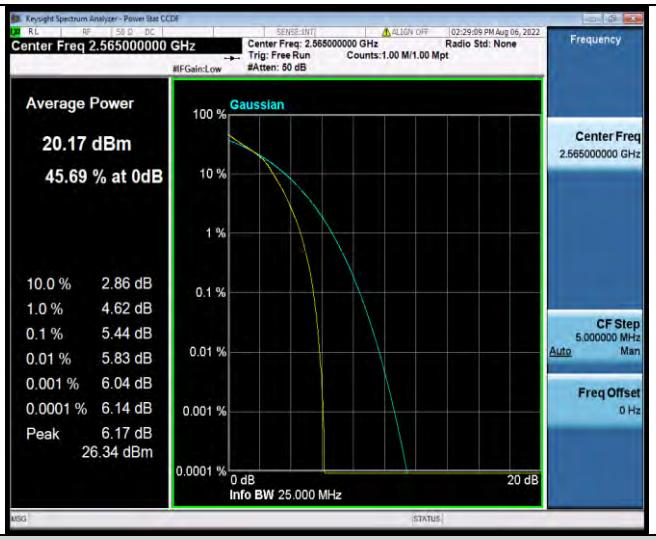

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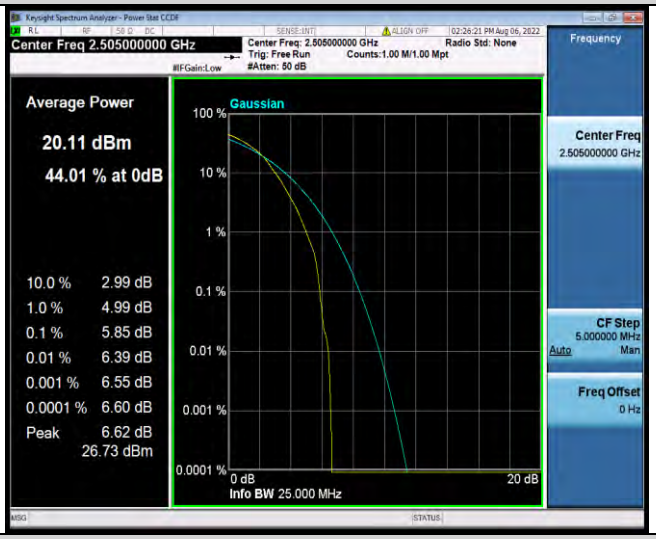

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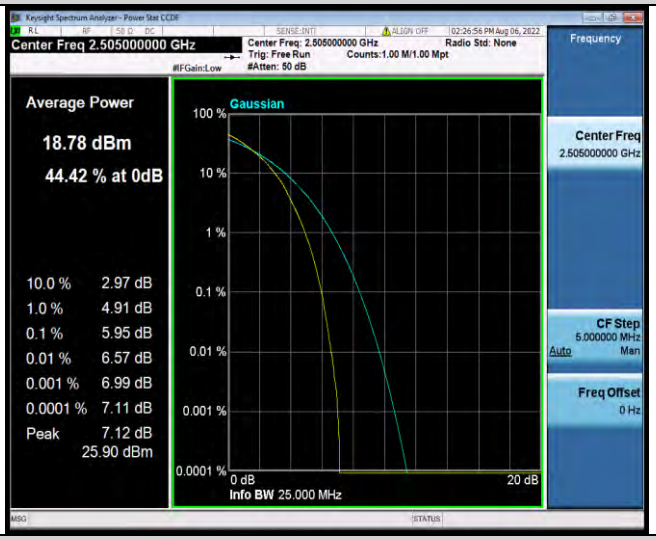

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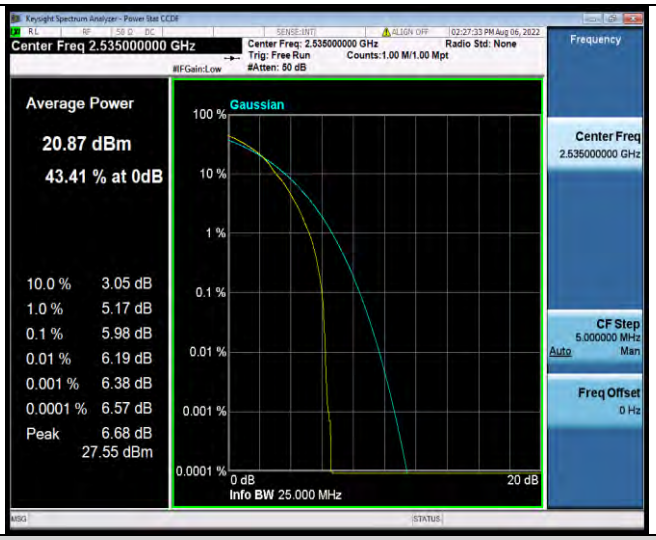

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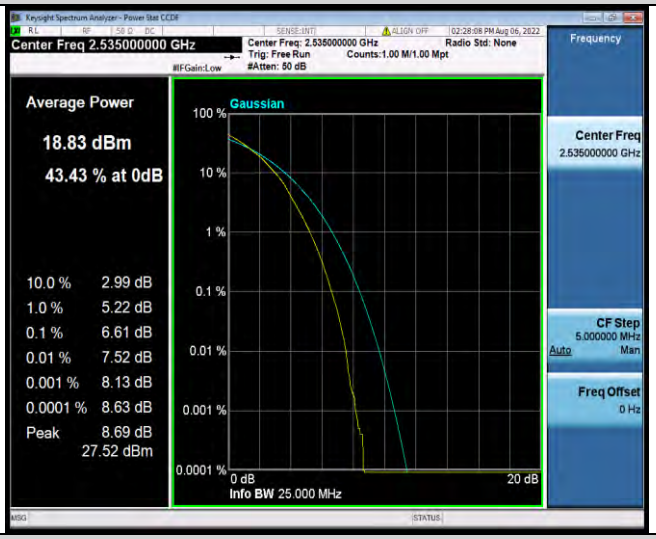

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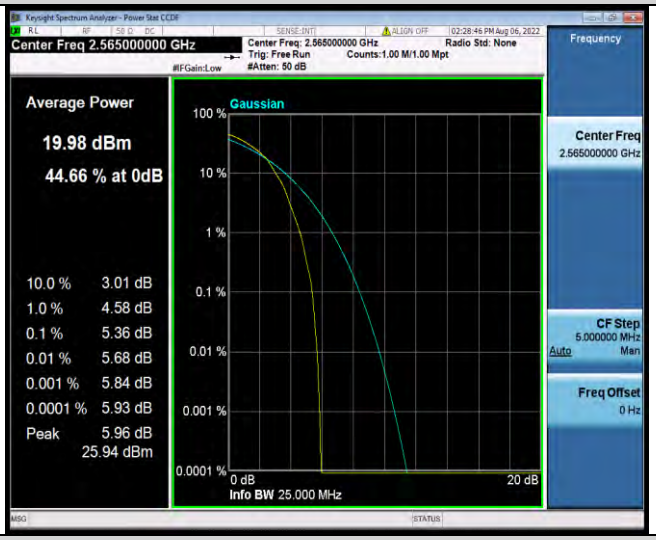

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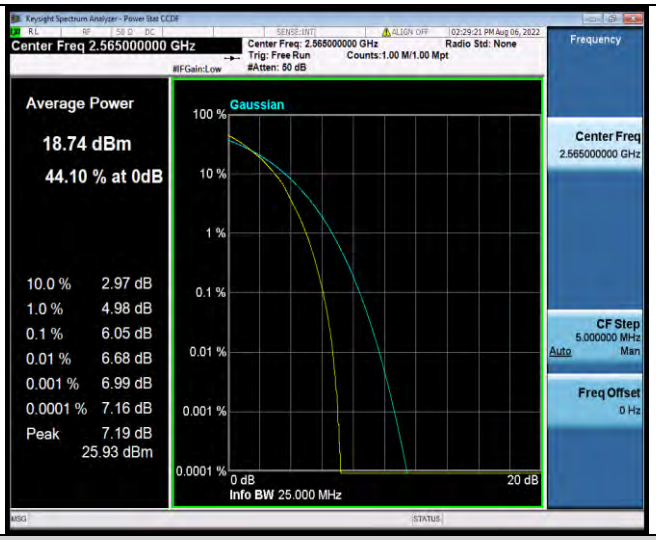

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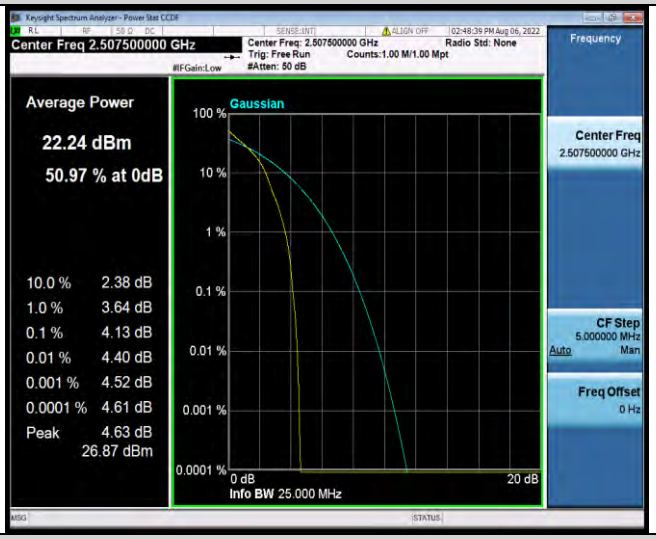

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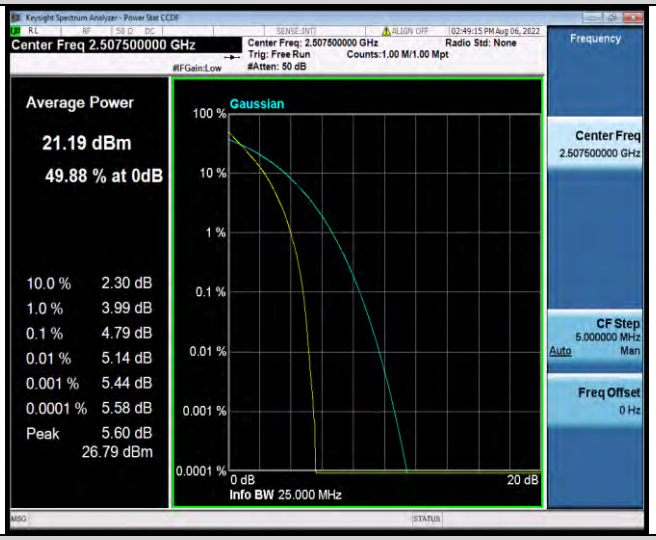

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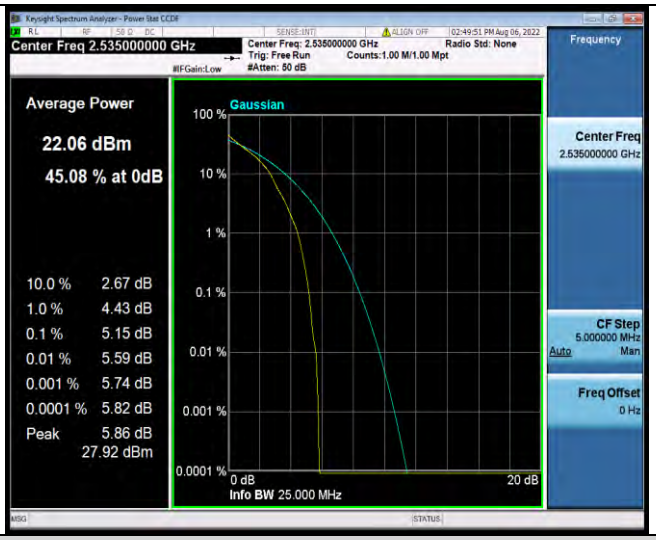

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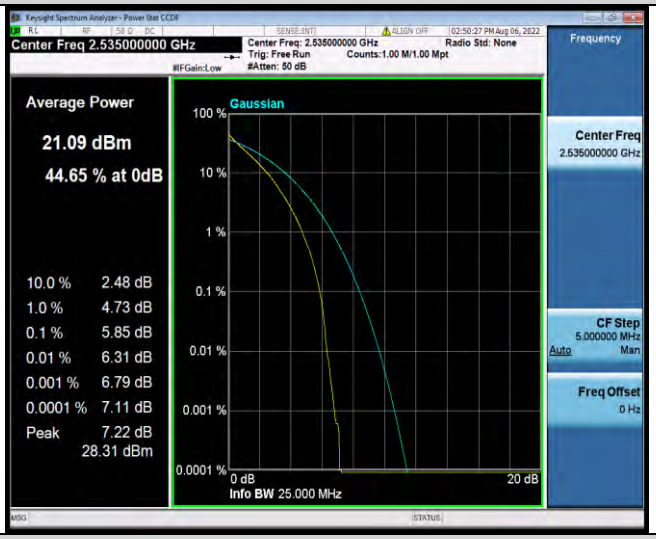

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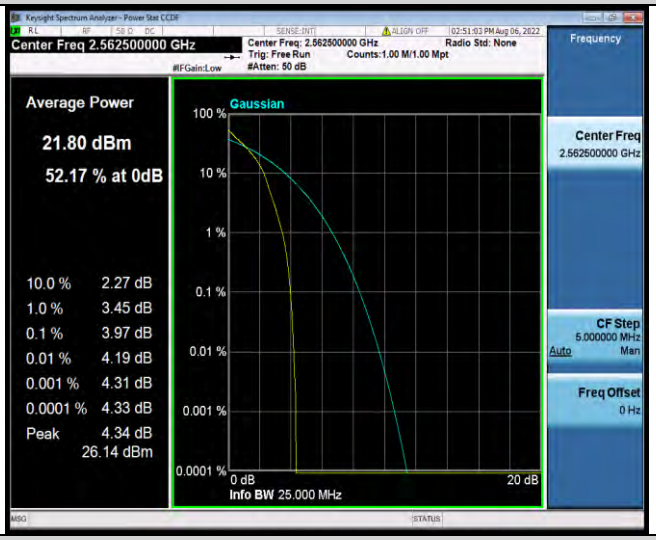

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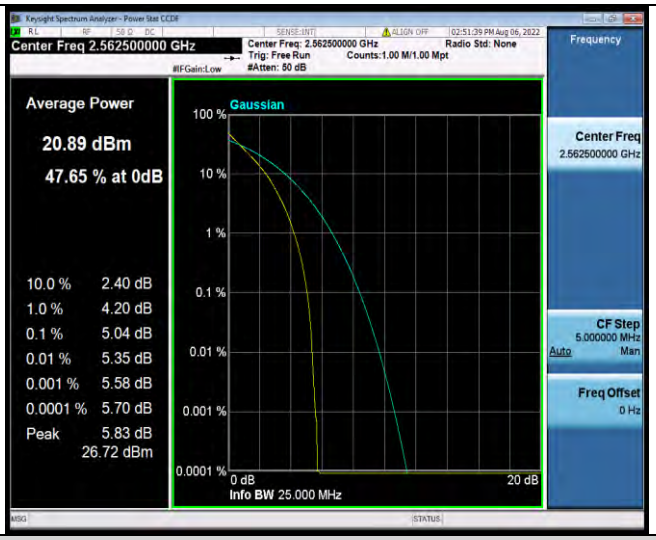

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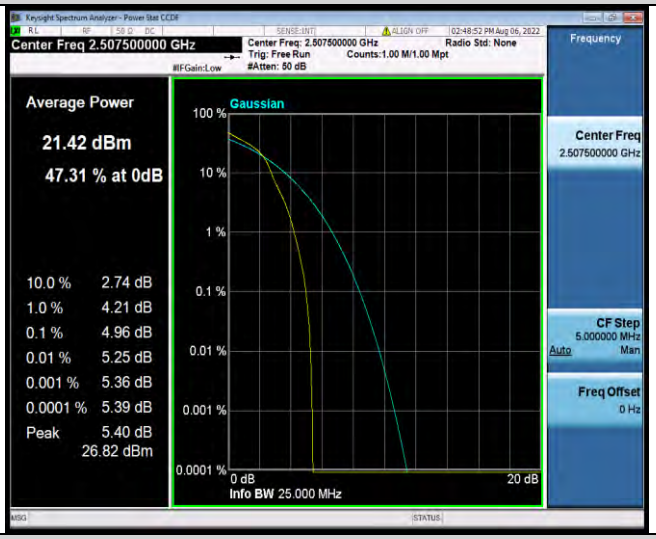

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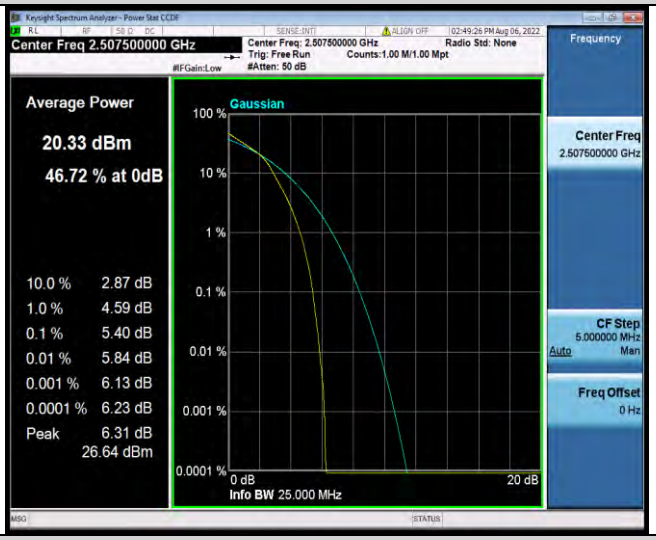

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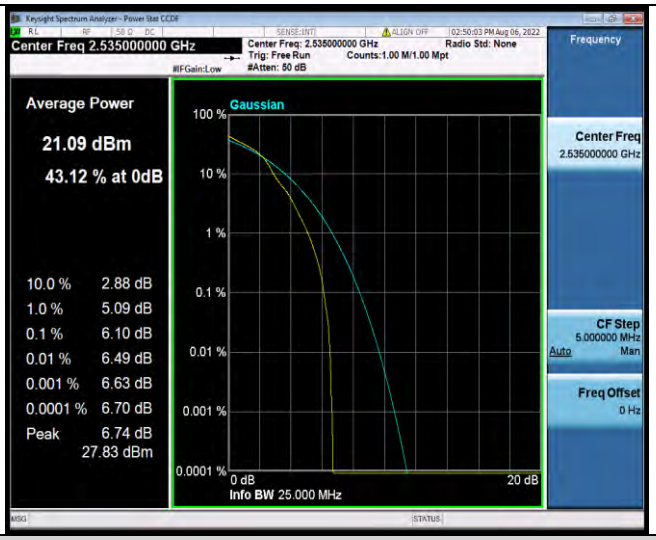

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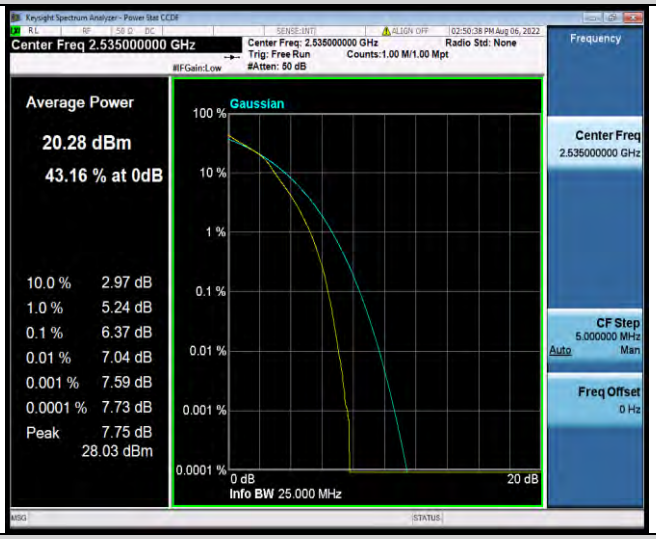

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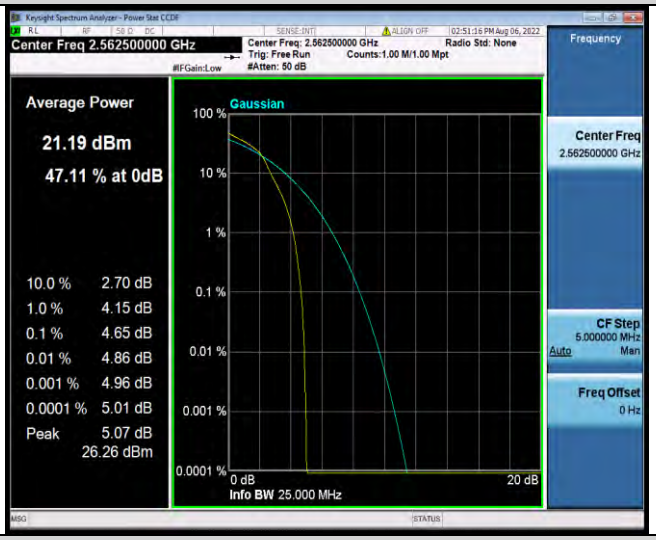

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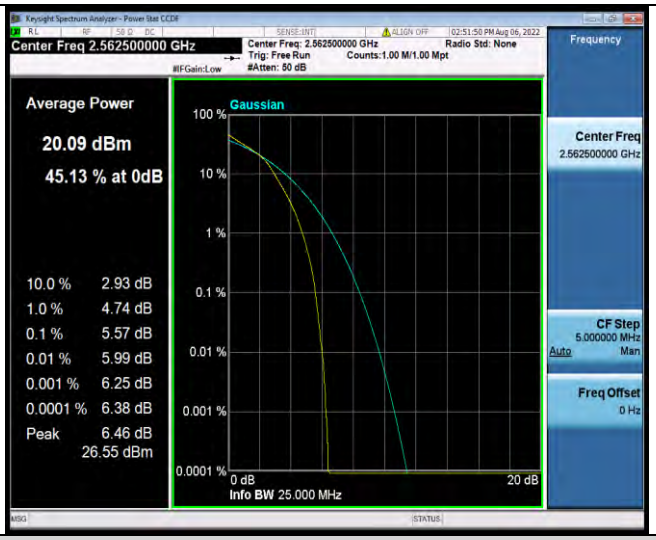

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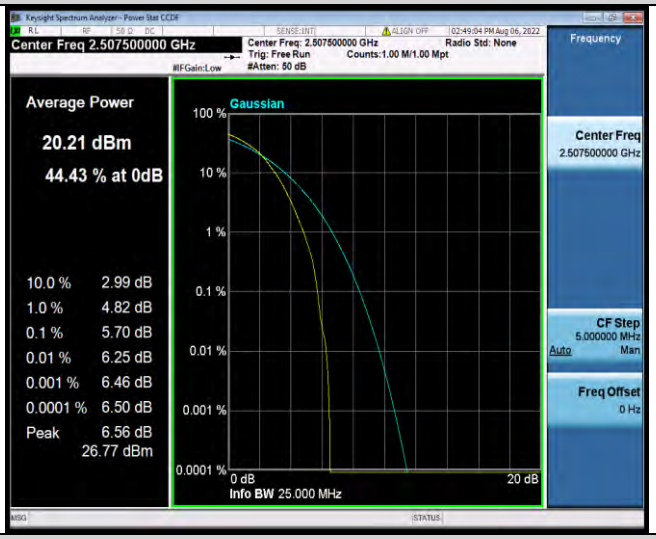

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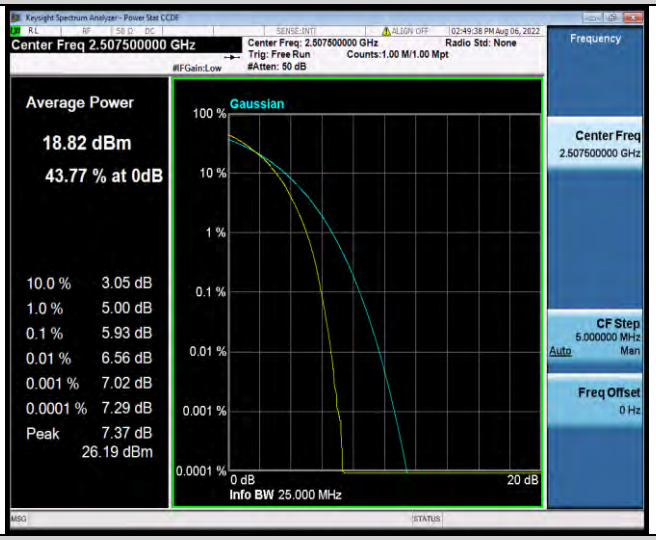

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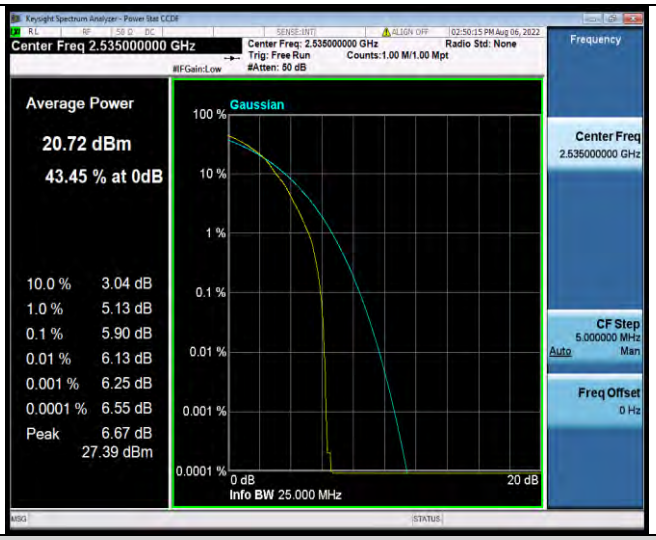

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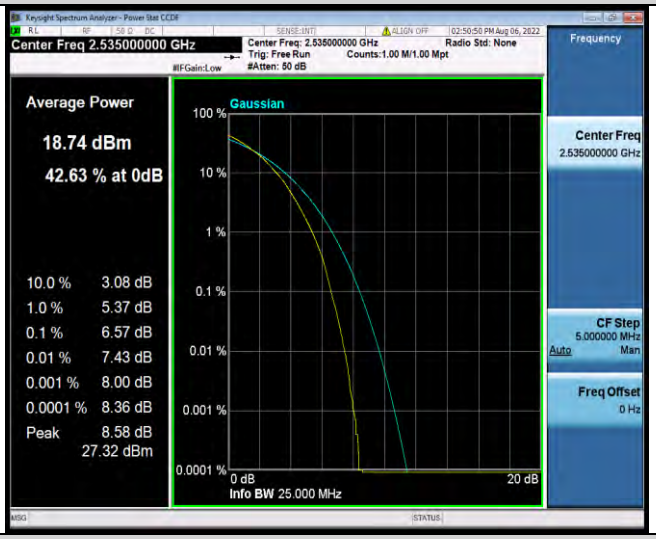

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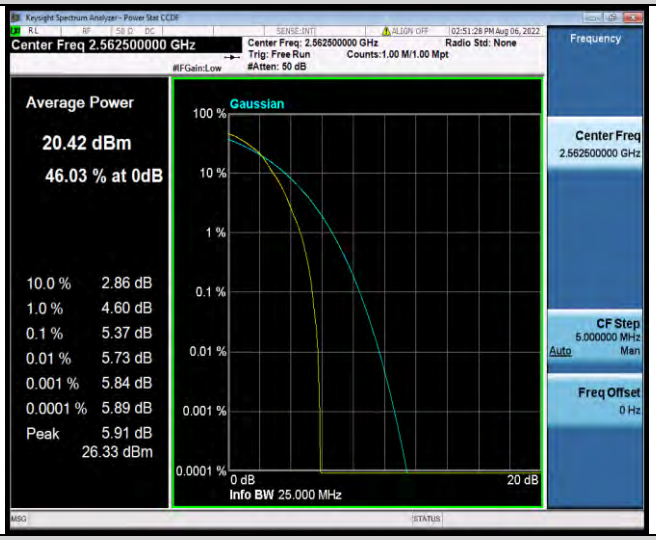

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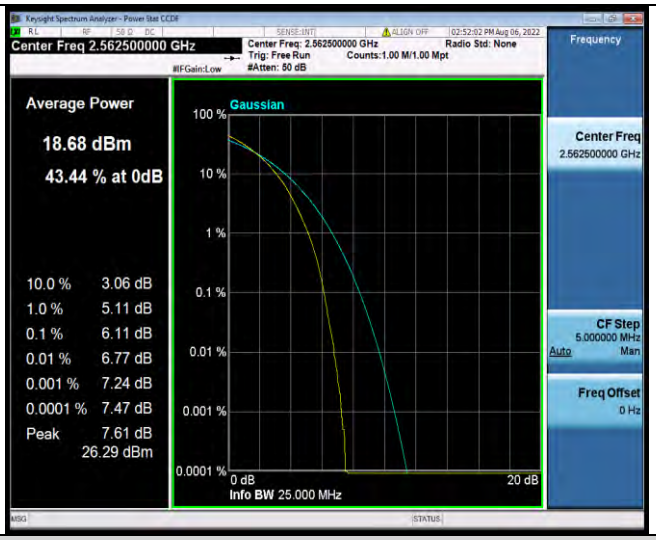

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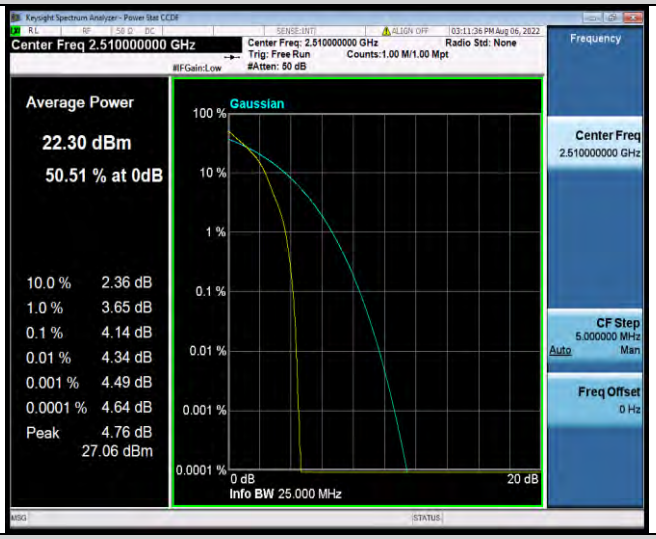

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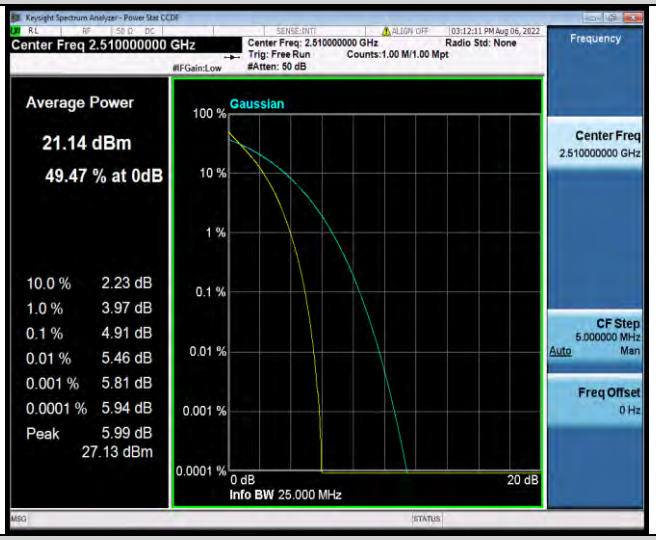

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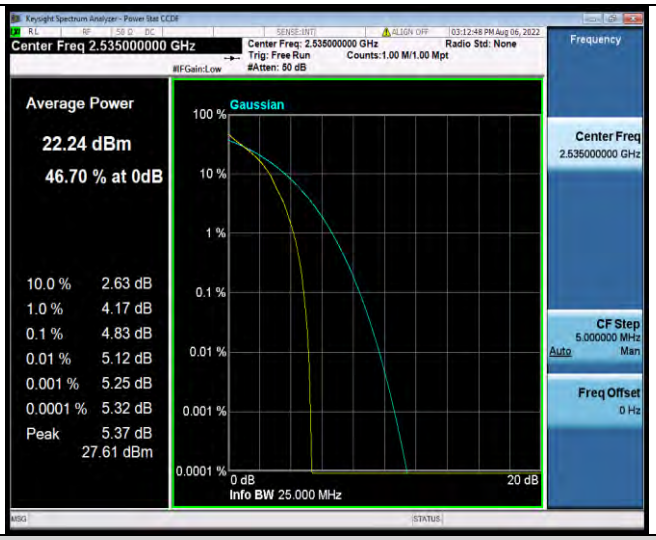

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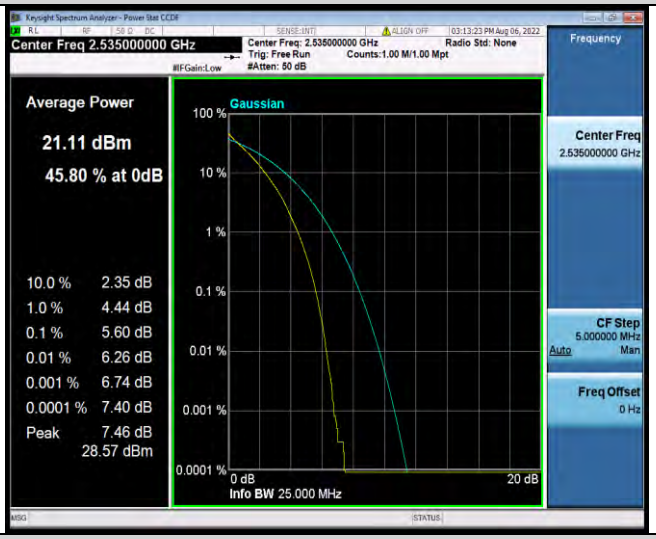

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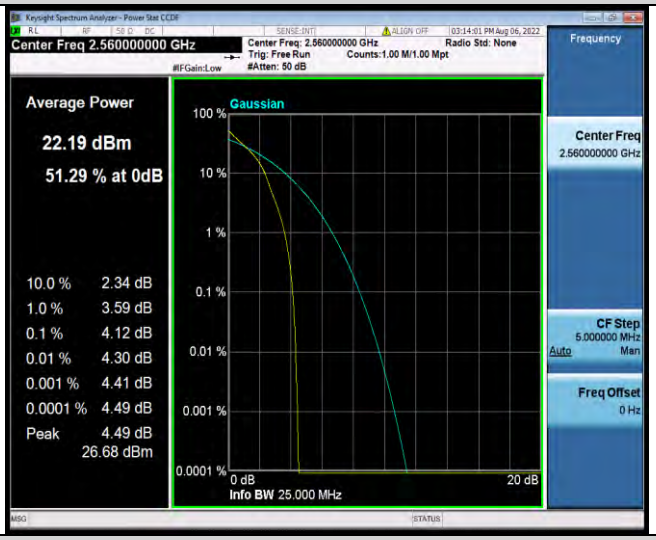

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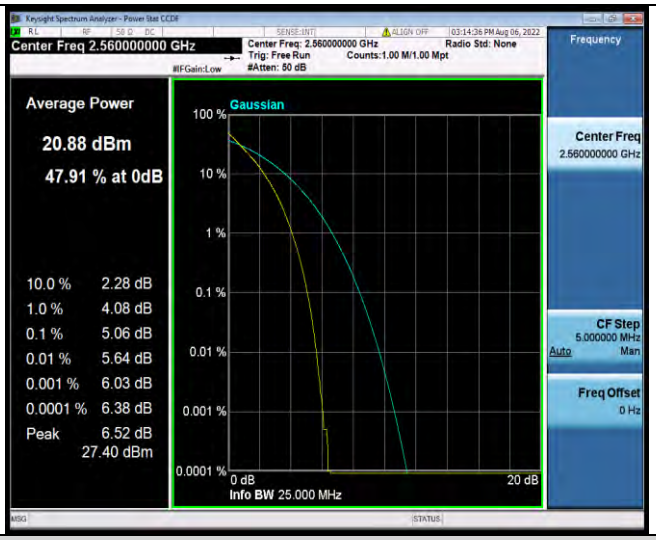

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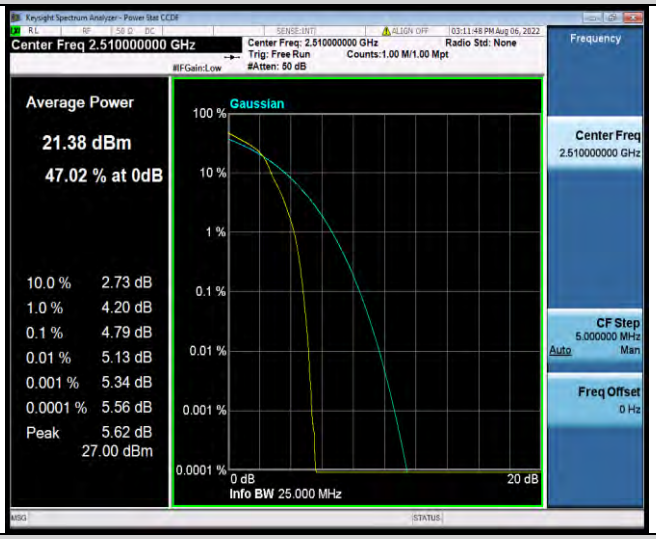

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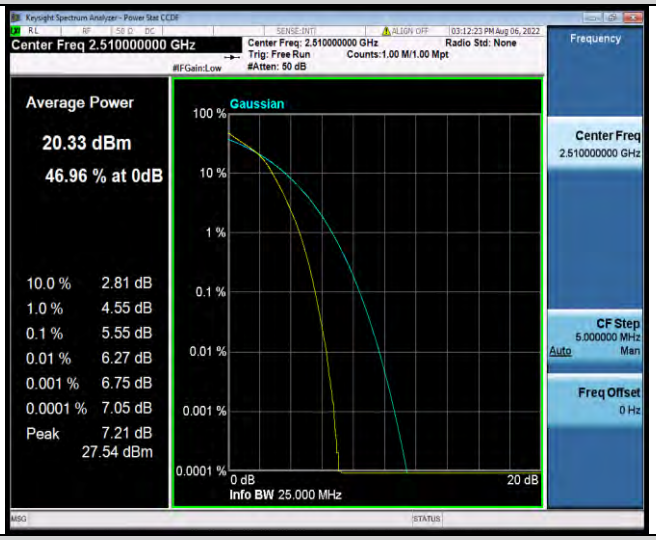

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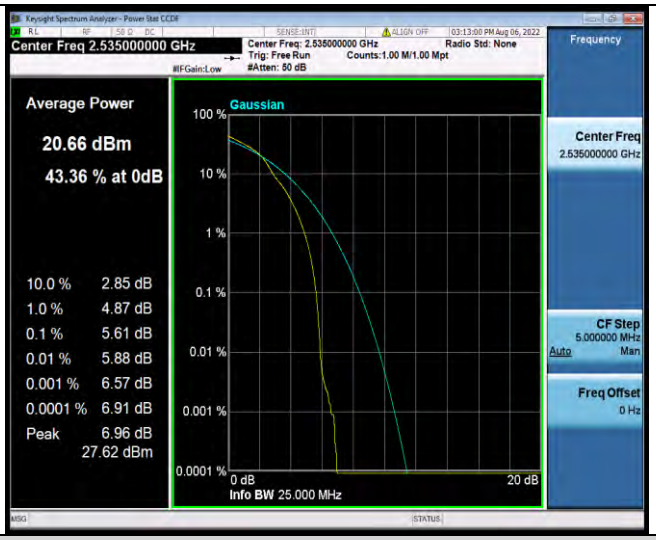

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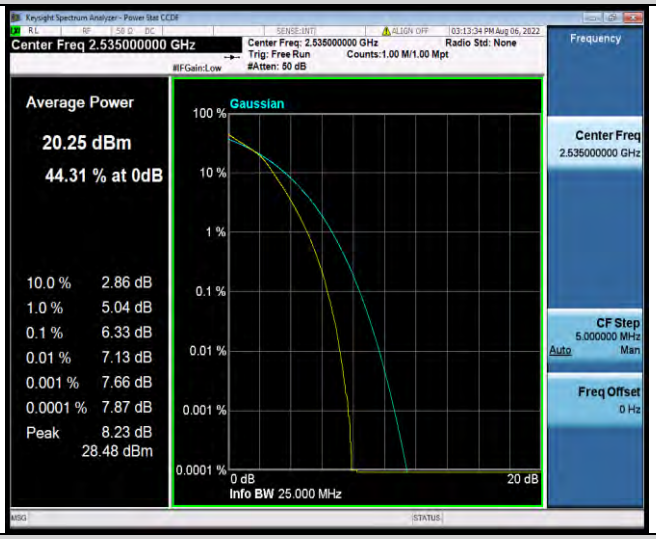

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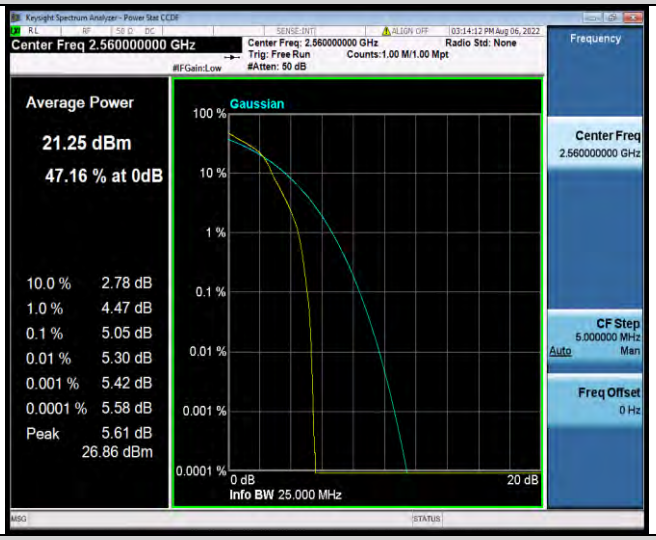

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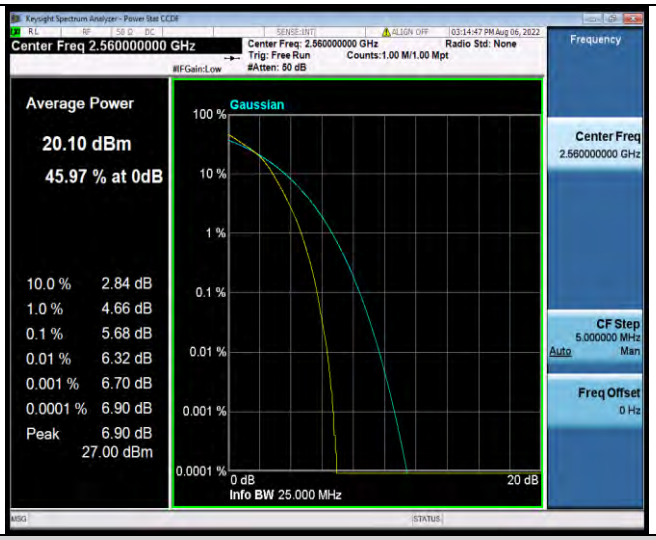

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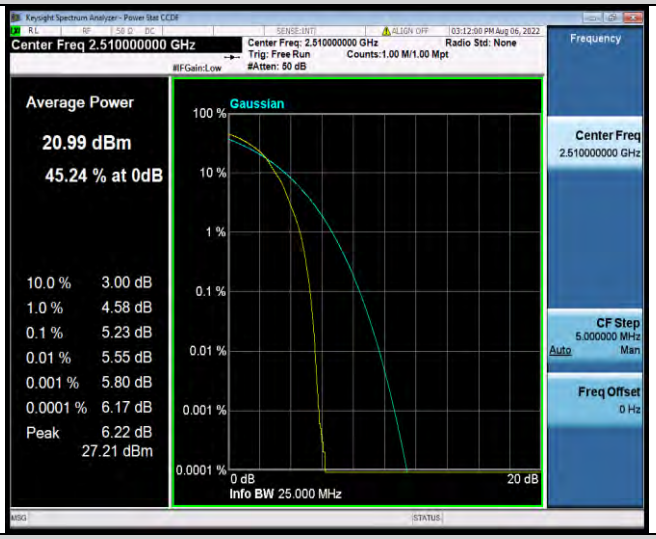

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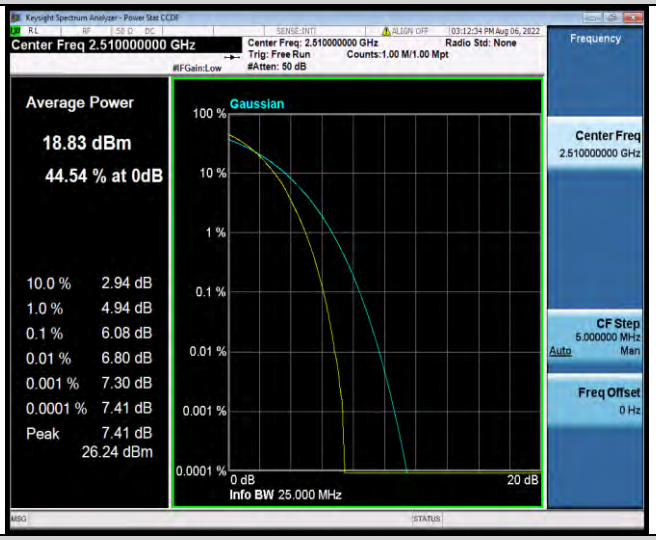
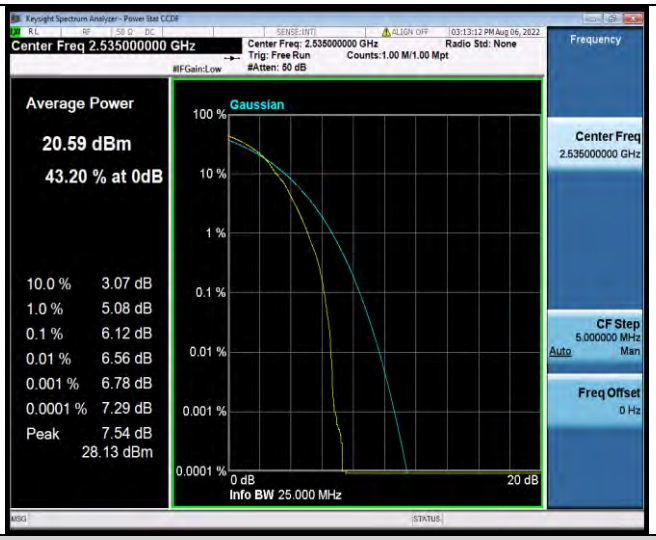
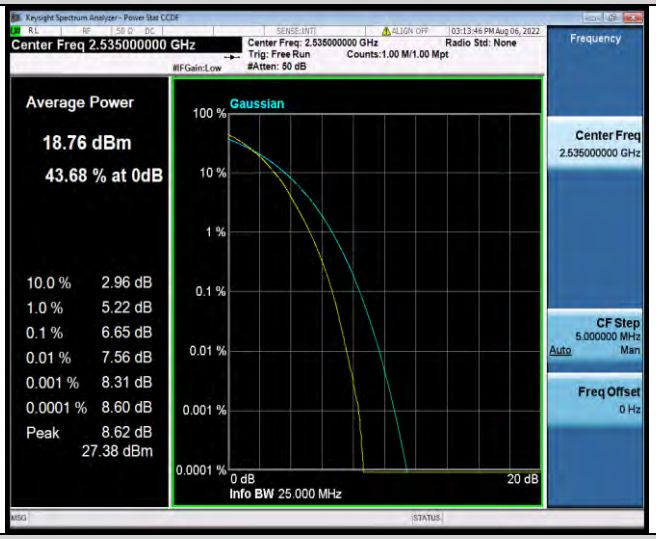


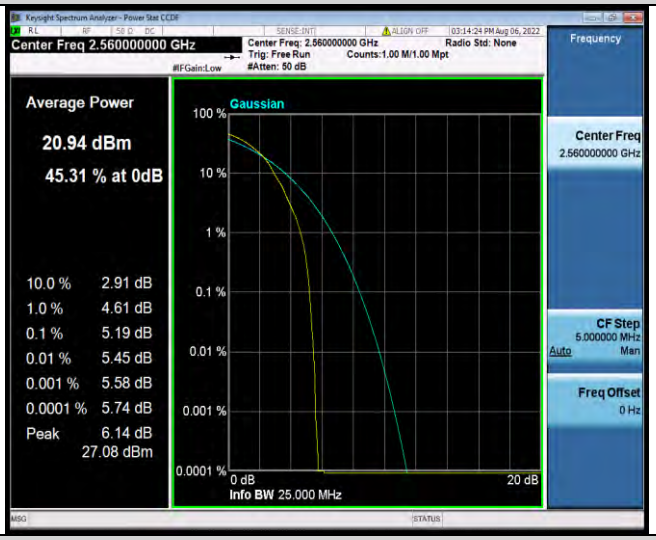
Band7-20MHz-64QAM-21100-1RB#0



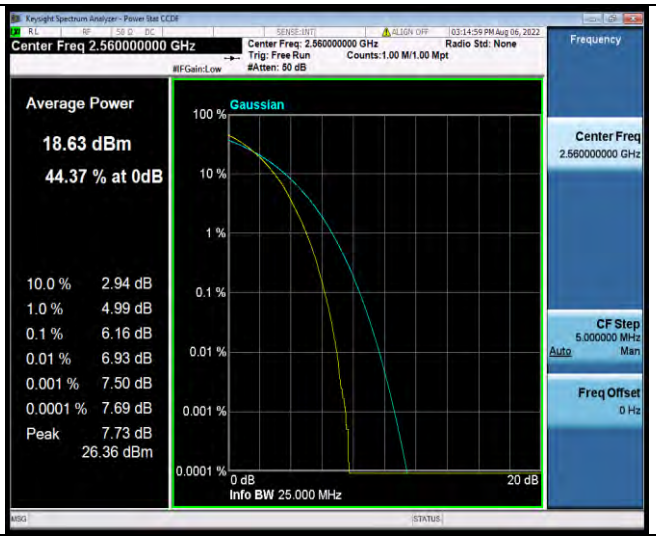
Band7-20MHz-64QAM-21100-100RB#0



Band7-20MHz-64QAM-21350-1RB#0



Band7-20MHz-64QAM-21350-100RB#0


Keysight Spectrum Analyzer - Power Stat CCDF
Center Freq 2.560000000 GHz
Center Freq: 2.560000000 GHz
Trig: Free Run
Counts:1.00 M/1.00 Mpt
#Atten: 50 dB
Radio Std: None
Frequency
Average Power
18.63 dBm
44.37 % at 0dB
10.0 % 2.94 dB
1.0 % 4.99 dB
0.1 % 6.16 dB
0.01 % 6.93 dB
0.001 % 7.50 dB
0.0001 % 7.69 dB
Peak 7.73 dB
26.36 dBm
Gaussian
100 %
10 %
1 %
0.1 %
0.01 %
0.001 %
0.0001 %
0 dB
20 dB
Info BW 25.000 MHz
Center Freq
2.560000000 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
Band7	5MHz	QPSK	20775	25RB#0	4.4926	4.880	PASS
Band7	5MHz	QPSK	21100	25RB#0	4.4994	4.866	PASS
Band7	5MHz	QPSK	21425	25RB#0	4.4911	4.887	PASS
Band7	5MHz	16QAM	20775	25RB#0	4.4968	4.908	PASS
Band7	5MHz	16QAM	21100	25RB#0	4.5025	4.875	PASS
Band7	5MHz	16QAM	21425	25RB#0	4.4985	4.897	PASS
Band7	5MHz	64QAM	20775	25RB#0	4.4897	4.874	PASS
Band7	5MHz	64QAM	21100	25RB#0	4.4926	4.873	PASS
Band7	5MHz	64QAM	21425	25RB#0	4.4922	4.866	PASS
Band7	10MHz	QPSK	20800	50RB#0	8.9918	9.587	PASS
Band7	10MHz	QPSK	21100	50RB#0	8.9821	9.571	PASS
Band7	10MHz	QPSK	21400	50RB#0	8.9754	9.556	PASS
Band7	10MHz	16QAM	20800	50RB#0	8.9750	9.569	PASS
Band7	10MHz	16QAM	21100	50RB#0	8.9704	9.608	PASS
Band7	10MHz	16QAM	21400	50RB#0	8.9810	9.578	PASS
Band7	10MHz	64QAM	20800	50RB#0	8.9642	9.559	PASS
Band7	10MHz	64QAM	21100	50RB#0	8.9786	9.597	PASS
Band7	10MHz	64QAM	21400	50RB#0	8.9730	9.584	PASS
Band7	15MHz	QPSK	20825	75RB#0	13.474	14.34	PASS
Band7	15MHz	QPSK	21100	75RB#0	13.461	14.30	PASS
Band7	15MHz	QPSK	21375	75RB#0	13.467	14.30	PASS
Band7	15MHz	16QAM	20825	75RB#0	13.460	14.37	PASS
Band7	15MHz	16QAM	21100	75RB#0	13.453	14.32	PASS
Band7	15MHz	16QAM	21375	75RB#0	13.460	14.31	PASS
Band7	15MHz	64QAM	20825	75RB#0	13.453	14.34	PASS
Band7	15MHz	64QAM	21100	75RB#0	13.473	14.29	PASS
Band7	15MHz	64QAM	21375	75RB#0	13.461	14.33	PASS
Band7	20MHz	QPSK	20850	100RB#0	17.947	18.99	PASS
Band7	20MHz	QPSK	21100	100RB#0	17.953	19.05	PASS
Band7	20MHz	QPSK	21350	100RB#0	17.947	19.01	PASS
Band7	20MHz	16QAM	20850	100RB#0	17.961	19.04	PASS
Band7	20MHz	16QAM	21100	100RB#0	17.973	19.02	PASS
Band7	20MHz	16QAM	21350	100RB#0	17.956	19.08	PASS
Band7	20MHz	64QAM	20850	100RB#0	17.940	19.05	PASS
Band7	20MHz	64QAM	21100	100RB#0	17.968	19.03	PASS
Band7	20MHz	64QAM	21350	100RB#0	17.955	19.03	PASS

Test Graphs

Band7-5MHz-QPSK-20775-25RB#0

Band7-5MHz-QPSK-21100-25RB#0

Band7-5MHz-QPSK-21425-25RB#0

Band7-5MHz-16QAM-20775-25RB#0

Band7-5MHz-16QAM-21100-25RB#0

Band7-5MHz-16QAM-21425-25RB#0

Band7-5MHz-64QAM-20775-25RB#0

Band7-5MHz-64QAM-21100-25RB#0

Band7-5MHz-64QAM-21425-25RB#0

Band7-10MHz-QPSK-20800-50RB#0

Band7-10MHz-QPSK-21100-50RB#0

Band7-10MHz-QPSK-21400-50RB#0

Band7-10MHz-16QAM-20800-50RB#0

Band7-10MHz-16QAM-21100-50RB#0

Band7-10MHz-16QAM-21400-50RB#0

Band7-10MHz-64QAM-20800-50RB#0

Band7-10MHz-64QAM-21100-50RB#0

Band7-10MHz-64QAM-21400-50RB#0

Band7-15MHz-QPSK-20825-75RB#0

Band7-15MHz-QPSK-21100-75RB#0

Band7-15MHz-QPSK-21375-75RB#0

Band7-15MHz-16QAM-20825-75RB#0

Band7-15MHz-16QAM-21100-75RB#0

Band7-15MHz-16QAM-21375-75RB#0

Band7-15MHz-64QAM-20825-75RB#0

Band7-15MHz-64QAM-21100-75RB#0

Band7-15MHz-64QAM-21375-75RB#0

Band7-20MHz-QPSK-20850-100RB#0

Band7-20MHz-QPSK-21100-100RB#0

Band7-20MHz-QPSK-21350-100RB#0

Band7-20MHz-16QAM-20850-100RB#0

Band7-20MHz-16QAM-21100-100RB#0

Band7-20MHz-16QAM-21350-100RB#0

Band7-20MHz-64QAM-20850-100RB#0

Band7-20MHz-64QAM-21100-100RB#0

Band7-20MHz-64QAM-21350-100RB#0

Keysight Spectrum Analyzer - Occupied BW
Center Freq 2.560000000 GHz
Center Freq: 2.560000000 GHz
Trig: Free Run
Avg|Hold: 30/30
#Atten: 40 dB
Radio Std: None
Radio Device: BTS
02:53:25 PM Aug 06, 2022
Ref Offset 13.62 dB
10 dB/div
Ref 35.00 dBm
Log
Center 2.56 GHz
Res BW 390 kHz
#VBW 1.2 MHz
Span 40 MHz
#Sweep 100 ms
Occupied Bandwidth
17.955 MHz
Total Power 19.4 dBm
Transmit Freq Error -22.727 kHz
OBW Power 99.00 %
x dB Bandwidth 19.03 MHz
x dB -26.00 dB
Frequency
Center Freq
2.560000000 GHz
CF Step
4.000000 MHz
Auto
Man
Freq Offset
0 Hz

BAND EDGE

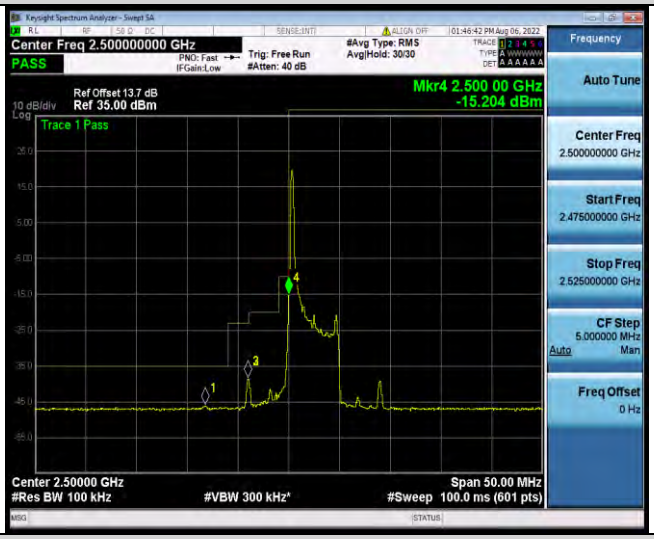
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band7	5MHz	QPSK	20775	1RB#0	-46.17,-38.57,-38.57,-15.20	PASS
Band7	5MHz	QPSK	20775	25RB#0	-44.69,-39.37,-30.68,-25.51	PASS
Band7	5MHz	QPSK	21425	1RB#24	-16.12,-42.48,-46.63,-43.54	PASS
Band7	5MHz	QPSK	21425	25RB#0	-28.87,-36.05,-43.56,-44.87	PASS
Band7	5MHz	16QAM	20775	1RB#0	-46.38,-40.58,-40.58,-16.51	PASS
Band7	5MHz	16QAM	20775	25RB#0	-45.79,-42.26,-33.64,-27.92	PASS
Band7	5MHz	16QAM	21425	1RB#24	-17.66,-43.87,-46.71,-45.68	PASS
Band7	5MHz	16QAM	21425	25RB#0	-28.96,-36.64,-44.80,-45.60	PASS
Band7	5MHz	64QAM	20775	1RB#0	-46.54,-41.33,-41.24,-16.50	PASS
Band7	5MHz	64QAM	20775	25RB#0	-46.44,-44.62,-39.62,-29.52	PASS
Band7	5MHz	64QAM	21425	1RB#24	-19.66,-44.31,-46.81,-46.36	PASS
Band7	5MHz	64QAM	21425	25RB#0	-31.56,-41.91,-45.89,-46.26	PASS
Band7	10MHz	QPSK	20800	1RB#0	-43.70,-36.25,-39.00,-17.94	PASS
Band7	10MHz	QPSK	20800	50RB#0	-42.74,-32.57,-28.72,-26.32	PASS
Band7	10MHz	QPSK	21400	1RB#49	-19.98,-41.13,-39.34,-43.84	PASS
Band7	10MHz	QPSK	21400	50RB#0	-29.53,-32.42,-36.43,-41.88	PASS
Band7	10MHz	16QAM	20800	1RB#0	-43.82,-38.11,-39.16,-20.35	PASS
Band7	10MHz	16QAM	20800	50RB#0	-42.55,-34.39,-30.69,-28.71	PASS
Band7	10MHz	16QAM	21400	1RB#49	-19.82,-41.10,-40.22,-43.86	PASS
Band7	10MHz	16QAM	21400	50RB#0	-31.34,-34.42,-38.27,-42.62	PASS
Band7	10MHz	64QAM	20800	1RB#0	-43.83,-38.71,-39.58,-20.82	PASS
Band7	10MHz	64QAM	20800	50RB#0	-43.45,-39.30,-36.74,-32.44	PASS
Band7	10MHz	64QAM	21400	1RB#49	-20.67,-40.98,-40.25,-43.81	PASS
Band7	10MHz	64QAM	21400	50RB#0	-33.71,-39.43,-42.09,-43.42	PASS
Band7	15MHz	QPSK	20825	1RB#0	-37.48,-37.91,-39.68,-18.35	PASS
Band7	15MHz	QPSK	20825	75RB#0	-36.18,-29.84,-26.36,-24.74	PASS
Band7	15MHz	QPSK	21375	1RB#74	-19.78,-40.91,-39.74,-42.14	PASS
Band7	15MHz	QPSK	21375	75RB#0	-27.66,-29.74,-32.08,-40.81	PASS
Band7	15MHz	16QAM	20825	1RB#0	-38.79,-37.67,-40.10,-19.40	PASS
Band7	15MHz	16QAM	20825	75RB#0	-38.14,-31.70,-28.91,-27.40	PASS
Band7	15MHz	16QAM	21375	1RB#74	-19.71,-40.53,-39.81,-42.05	PASS
Band7	15MHz	16QAM	21375	75RB#0	-29.64,-32.78,-34.88,-41.43	PASS
Band7	15MHz	64QAM	20825	1RB#0	-39.34,-38.34,-40.36,-20.27	PASS
Band7	15MHz	64QAM	20825	75RB#0	-40.73,-37.68,-35.84,-32.79	PASS
Band7	15MHz	64QAM	21375	1RB#74	-20.51,-41.11,-39.79,-42.06	PASS
Band7	15MHz	64QAM	21375	75RB#0	-33.81,-37.72,-39.29,-41.94	PASS
Band7	20MHz	QPSK	20850	1RB#0	-37.73,-35.95,-38.37,-21.06	PASS
Band7	20MHz	QPSK	20850	100RB#0	-32.99,-29.22,-27.21,-26.08	PASS
Band7	20MHz	QPSK	21350	1RB#99	-21.62,-38.76,-37.15,-40.93	PASS
Band7	20MHz	QPSK	21350	100RB#0	-28.79,-30.47,-32.64,-40.37	PASS
Band7	20MHz	16QAM	20850	1RB#0	-39.05,-38.04,-38.32,-22.30	PASS
Band7	20MHz	16QAM	20850	100RB#0	-34.75,-31.20,-29.61,-28.52	PASS
Band7	20MHz	16QAM	21350	1RB#99	-22.51,-38.19,-37.49,-40.91	PASS
Band7	20MHz	16QAM	21350	100RB#0	-30.72,-31.94,-33.77,-40.61	PASS

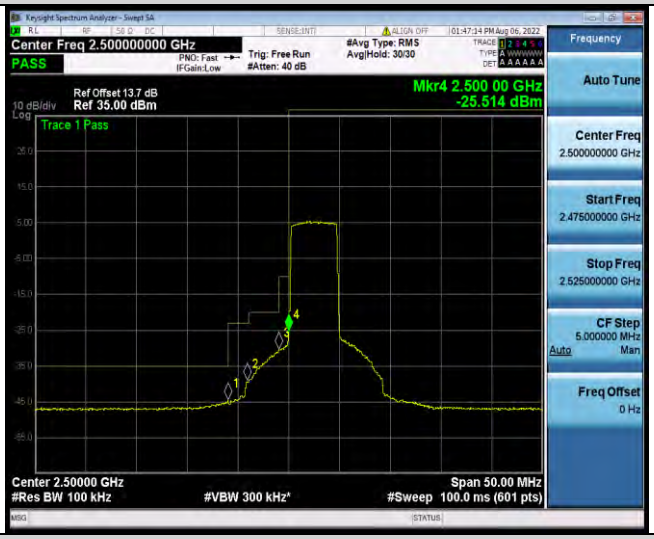
Band7	20MHz	64QAM	20850	1RB#0	-38.78,-38.11,-39.13,-22.42	PASS
Band7	20MHz	64QAM	20850	100RB#0	-38.76,-36.76,-35.57,-33.30	PASS
Band7	20MHz	64QAM	21350	1RB#99	-22.50,-38.38,-37.81,-40.90	PASS
Band7	20MHz	64QAM	21350	100RB#0	-34.77,-36.78,-37.99,-40.84	PASS

Test Graphs

Band7-5MHz-QPSK-20775-1RB#0



Band7-5MHz-QPSK-20775-25RB#0

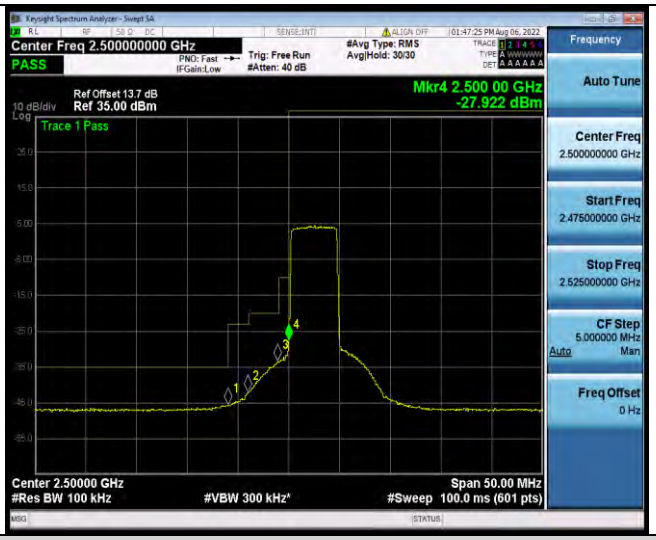


Band7-5MHz-QPSK-21425-1RB#24

Band7-5MHz-QPSK-21425-25RB#0

Band7-5MHz-16QAM-20775-1RB#0

Band7-5MHz-16QAM-20775-25RB#0



Band7-5MHz-16QAM-21425-1RB#24

Band7-5MHz-16QAM-21425-25RB#0

Band7-5MHz-64QAM-20775-1RB#0

Band7-5MHz-64QAM-20775-25RB#0

Band7-5MHz-64QAM-21425-1RB#24

Band7-5MHz-64QAM-21425-25RB#0

Band7-10MHz-QPSK-20800-1RB#0

Band7-10MHz-QPSK-20800-50RB#0

Band7-10MHz-QPSK-21400-1RB#49

Band7-10MHz-QPSK-21400-50RB#0

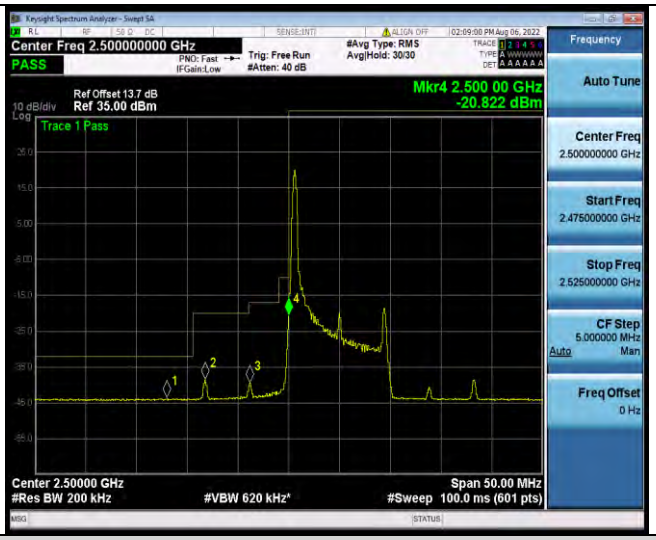
Band7-10MHz-16QAM-20800-1RB#0

Band7-10MHz-16QAM-20800-50RB#0

Band7-10MHz-16QAM-21400-1RB#49

Band7-10MHz-16QAM-21400-50RB#0

Band7-10MHz-64QAM-20800-1RB#0

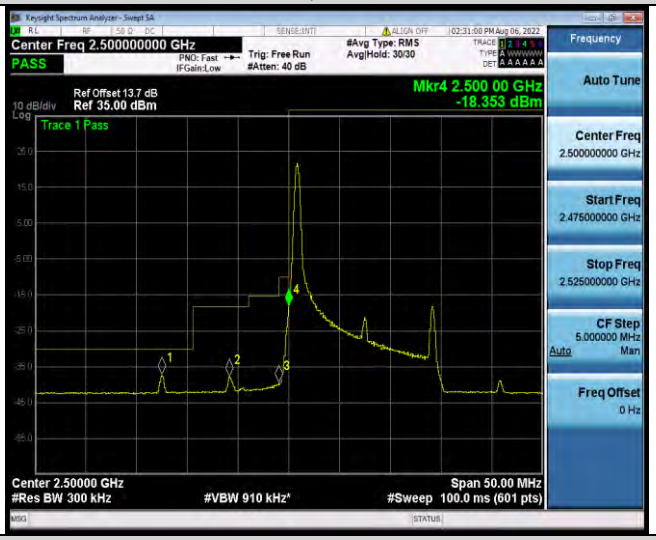


Band7-10MHz-64QAM-20800-50RB#0

Band7-10MHz-64QAM-21400-1RB#49

Band7-10MHz-64QAM-21400-50RB#0

Band7-15MHz-QPSK-20825-1RB#0



Band7-15MHz-QPSK-20825-75RB#0

Band7-15MHz-QPSK-21375-1RB#74

Band7-15MHz-QPSK-21375-75RB#0

Band7-15MHz-16QAM-20825-1RB#0

Band7-15MHz-16QAM-20825-75RB#0

Band7-15MHz-16QAM-21375-1RB#74

Band7-15MHz-16QAM-21375-75RB#0

Band7-15MHz-64QAM-20825-1RB#0

Band7-15MHz-64QAM-20825-75RB#0

Band7-15MHz-64QAM-21375-1RB#74

Band7-15MHz-64QAM-21375-75RB#0

Band7-20MHz-QPSK-20850-1RB#0

Band7-20MHz-QPSK-20850-100RB#0

Band7-20MHz-QPSK-21350-1RB#99

Band7-20MHz-QPSK-21350-100RB#0

Band7-20MHz-16QAM-20850-1RB#0

Band7-20MHz-16QAM-20850-100RB#0

Band7-20MHz-16QAM-21350-1RB#99

Band7-20MHz-16QAM-21350-100RB#0

Band7-20MHz-64QAM-20850-1RB#0

Band7-20MHz-64QAM-20850-100RB#0

Band7-20MHz-64QAM-21350-1RB#99

Band7-20MHz-64QAM-21350-100RB#0

Keysight Spectrum Analyzer - Swept SA
Center Freq 2.570000000 GHz
PASS
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 40 dB
#Avg Type: RMS
Avg|Hold: 30/30
02:55:51 PM Aug 06, 2022
Ref Offset 13.62 dB
10 dB/div
Ref 35.00 dBm
Log
Trace 1 Pass
Mkr4 2.590 826 0 GHz
-40.844 dBm
Center 2.57000 GHz
#Res BW 390 kHz
#VBW 1.2 MHz*
Span 48.06 MHz
#Sweep 100.0 ms (601 pts)
Frequency
Auto Tune
Center Freq
2.570000000 GHz
Start Freq
2.545970000 GHz
Stop Freq
2.594030000 GHz
CF Step
4.806000 MHz
Auto
Man
Freq Offset
0 Hz

CONDUCTED SPURIOUS EMISSION

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band7	5MHz	QPSK	20775	1RB#0	Range1:30~1000MHz	-39.86	PASS
Band7	5MHz	QPSK	20775	1RB#0	Range2:1000~27000MHz	-31.2	PASS
Band7	5MHz	QPSK	21100	1RB#0	Range1:30~1000MHz	-40.03	PASS
Band7	5MHz	QPSK	21100	1RB#0	Range2:1000~27000MHz	-31.04	PASS
Band7	5MHz	QPSK	21425	1RB#0	Range1:30~1000MHz	-41.02	PASS
Band7	5MHz	QPSK	21425	1RB#0	Range2:1000~27000MHz	-31.39	PASS
Band7	5MHz	16QAM	20775	1RB#0	Range1:30~1000MHz	-40.04	PASS
Band7	5MHz	16QAM	20775	1RB#0	Range2:1000~27000MHz	-30.39	PASS
Band7	5MHz	16QAM	21100	1RB#0	Range1:30~1000MHz	-40.72	PASS
Band7	5MHz	16QAM	21100	1RB#0	Range2:1000~27000MHz	-30.82	PASS
Band7	5MHz	16QAM	21425	1RB#0	Range1:30~1000MHz	-41.18	PASS
Band7	5MHz	16QAM	21425	1RB#0	Range2:1000~27000MHz	-31.09	PASS
Band7	5MHz	64QAM	20775	1RB#0	Range1:30~1000MHz	-39.96	PASS
Band7	5MHz	64QAM	20775	1RB#0	Range2:1000~27000MHz	-31.26	PASS
Band7	5MHz	64QAM	21100	1RB#0	Range1:30~1000MHz	-40.98	PASS
Band7	5MHz	64QAM	21100	1RB#0	Range2:1000~27000MHz	-30.74	PASS
Band7	5MHz	64QAM	21425	1RB#0	Range1:30~1000MHz	-40.42	PASS
Band7	5MHz	64QAM	21425	1RB#0	Range2:1000~27000MHz	-31.08	PASS
Band7	10MHz	QPSK	20800	1RB#0	Range1:30~1000MHz	-40.73	PASS
Band7	10MHz	QPSK	20800	1RB#0	Range2:1000~27000MHz	-30.09	PASS
Band7	10MHz	QPSK	21100	1RB#0	Range1:30~1000MHz	-40.44	PASS
Band7	10MHz	QPSK	21100	1RB#0	Range2:1000~27000MHz	-31.31	PASS
Band7	10MHz	QPSK	21400	1RB#0	Range1:30~1000MHz	-40.77	PASS
Band7	10MHz	QPSK	21400	1RB#0	Range2:1000~27000MHz	-30.44	PASS
Band7	10MHz	16QAM	20800	1RB#0	Range1:30~1000MHz	-40.57	PASS
Band7	10MHz	16QAM	20800	1RB#0	Range2:1000~27000MHz	-31.43	PASS
Band7	10MHz	16QAM	21100	1RB#0	Range1:30~1000MHz	-40.68	PASS
Band7	10MHz	16QAM	21100	1RB#0	Range2:1000~27000MHz	-31.43	PASS
Band7	10MHz	16QAM	21400	1RB#0	Range1:30~1000MHz	-40.94	PASS
Band7	10MHz	16QAM	21400	1RB#0	Range2:1000~27000MHz	-30.7	PASS
Band7	10MHz	64QAM	20800	1RB#0	Range1:30~1000MHz	-40.4	PASS
Band7	10MHz	64QAM	20800	1RB#0	Range2:1000~27000MHz	-30.98	PASS
Band7	10MHz	64QAM	21100	1RB#0	Range1:30~1000MHz	-40.43	PASS
Band7	10MHz	64QAM	21100	1RB#0	Range2:1000~27000MHz	-30.97	PASS
Band7	10MHz	64QAM	21400	1RB#0	Range1:30~1000MHz	-39.33	PASS
Band7	10MHz	64QAM	21400	1RB#0	Range2:1000~27000MHz	-30.95	PASS
Band7	15MHz	QPSK	20825	1RB#0	Range1:30~1000MHz	-40.9	PASS
Band7	15MHz	QPSK	20825	1RB#0	Range2:1000~27000MHz	-30.27	PASS
Band7	15MHz	QPSK	21100	1RB#0	Range1:30~1000MHz	-41.14	PASS
Band7	15MHz	QPSK	21100	1RB#0	Range2:1000~27000MHz	-31.39	PASS
Band7	15MHz	QPSK	21375	1RB#0	Range1:30~1000MHz	-40.13	PASS
Band7	15MHz	QPSK	21375	1RB#0	Range2:1000~27000MHz	-30.79	PASS
Band7	15MHz	16QAM	20825	1RB#0	Range1:30~1000MHz	-39.64	PASS
Band7	15MHz	16QAM	20825	1RB#0	Range2:1000~27000MHz	-30.33	PASS