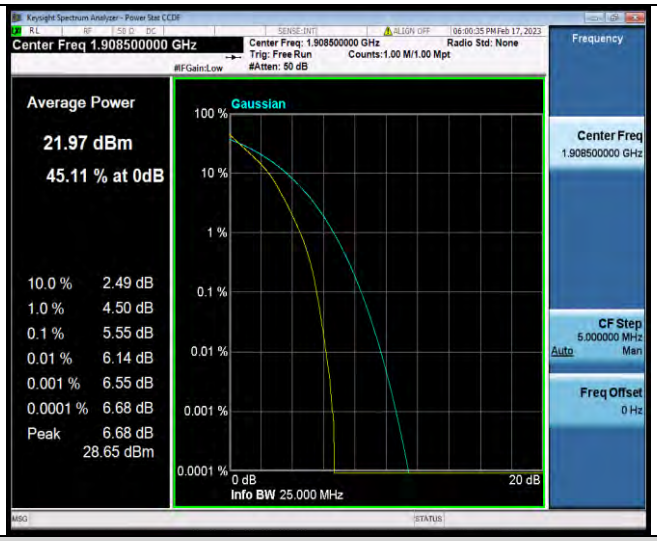
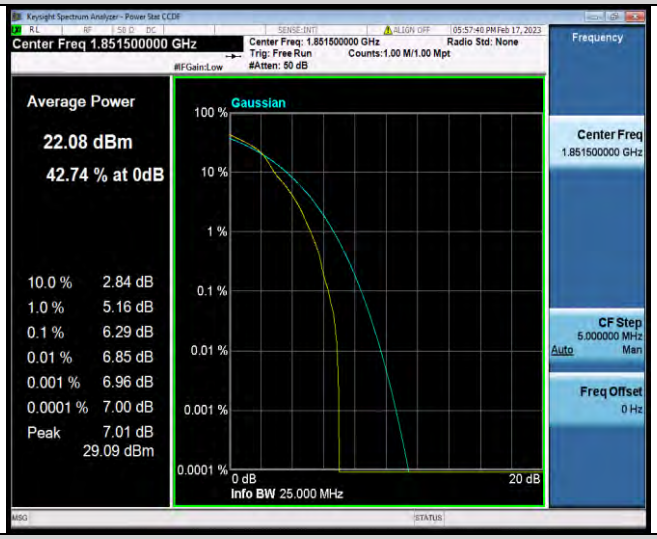


Band2-3MHz-16QAM-18615-1RB#0



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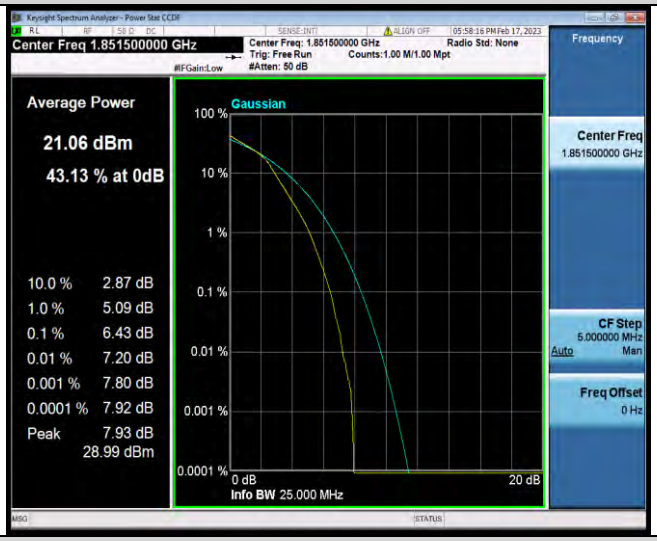
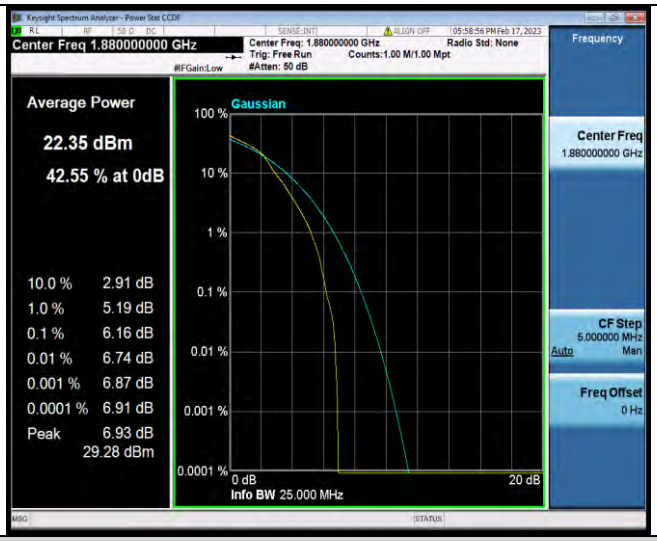


Band2-3MHz-16QAM-18900-1RB#0



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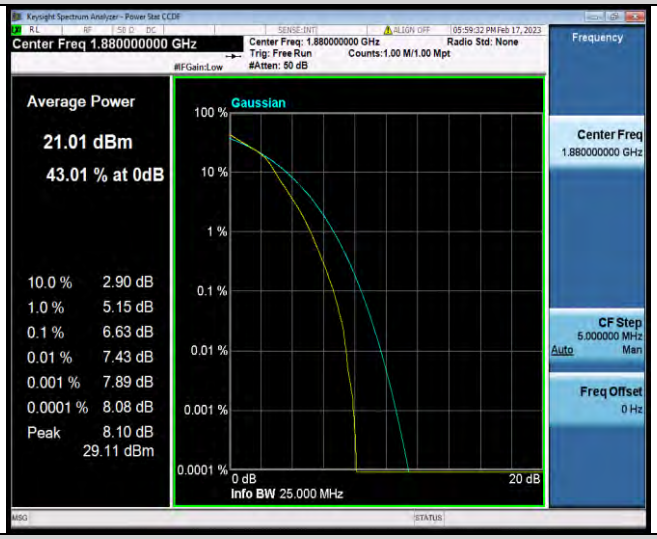

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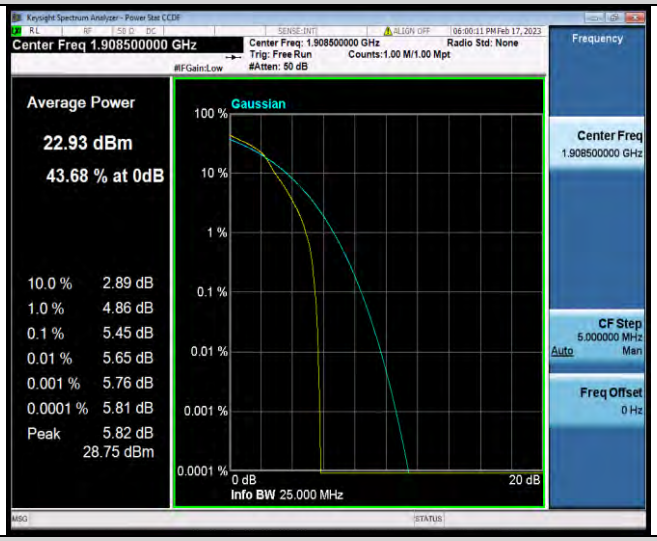

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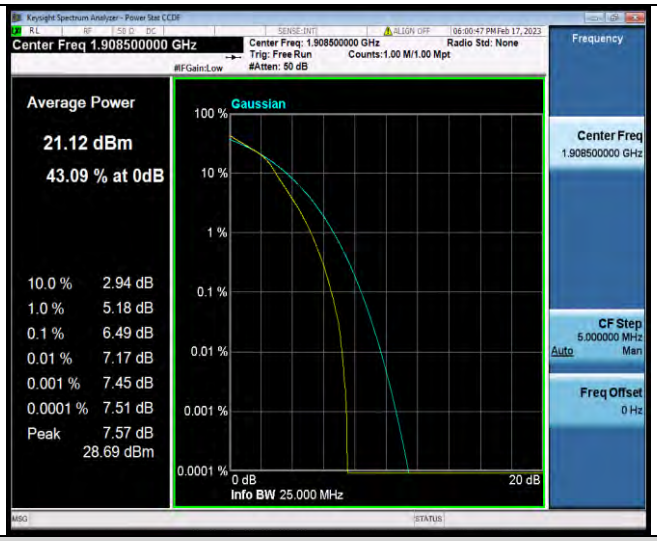

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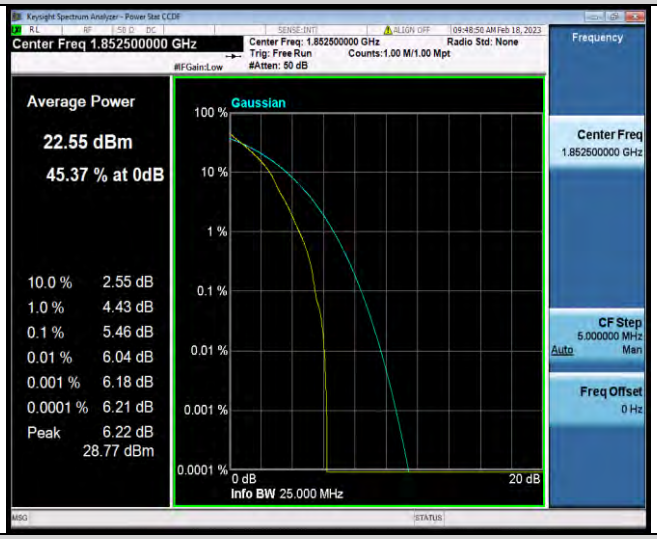

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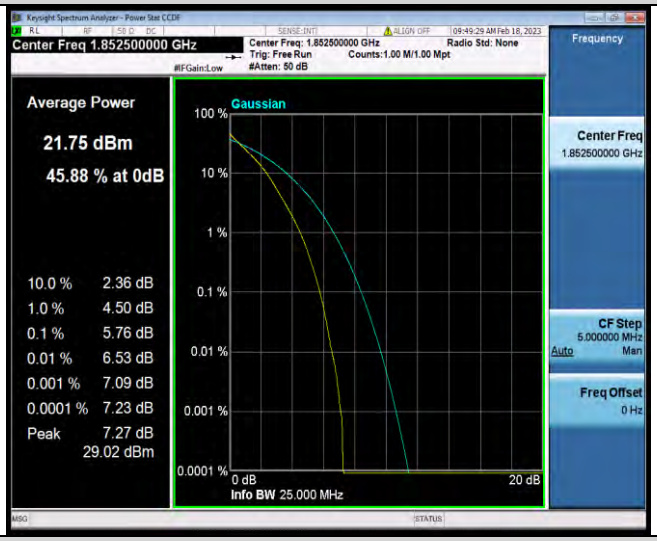

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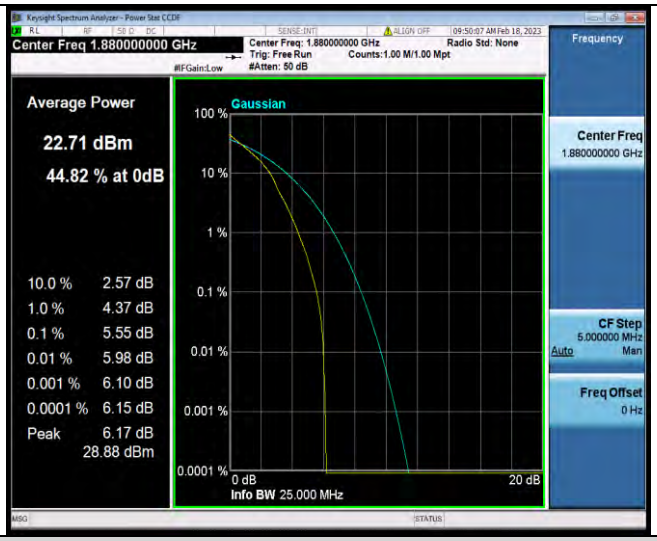

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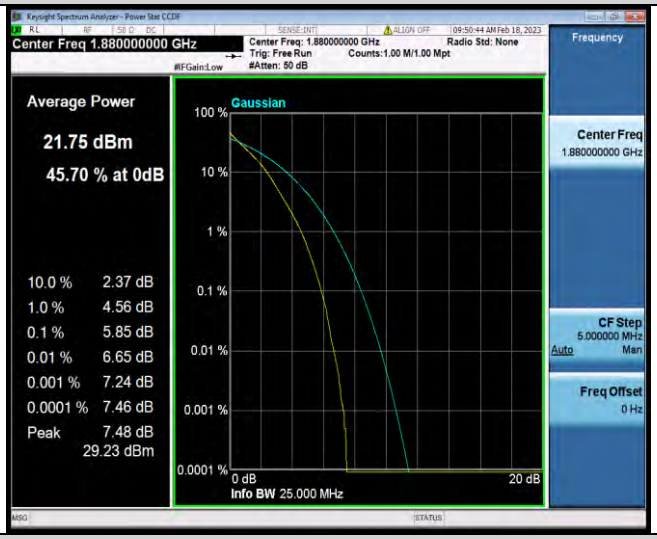

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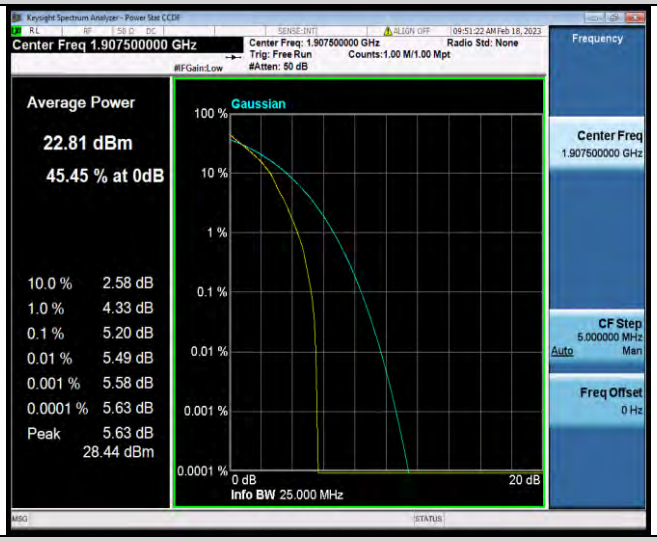

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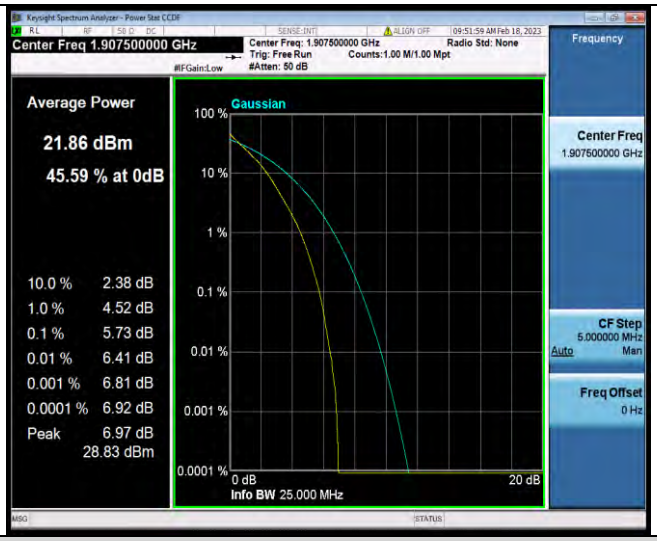

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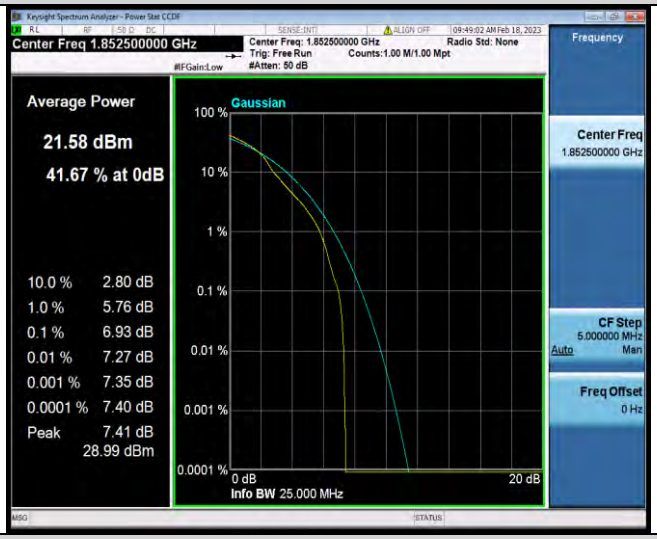

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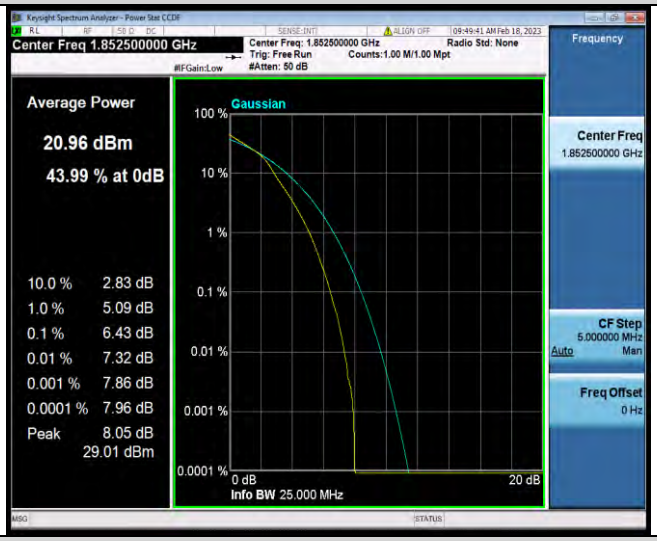

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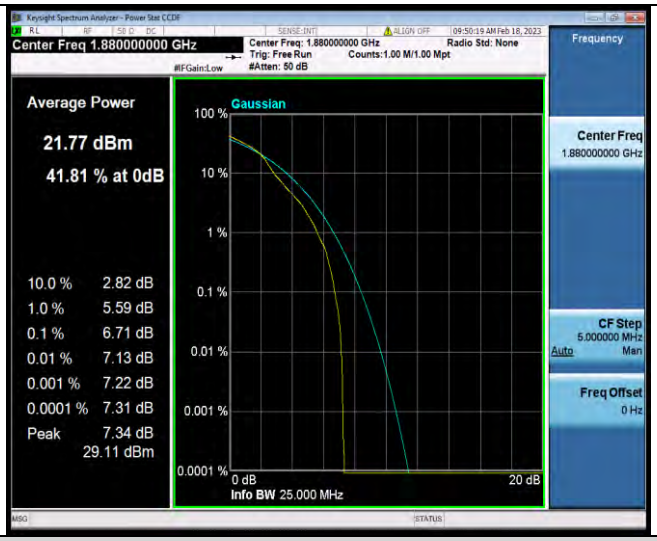

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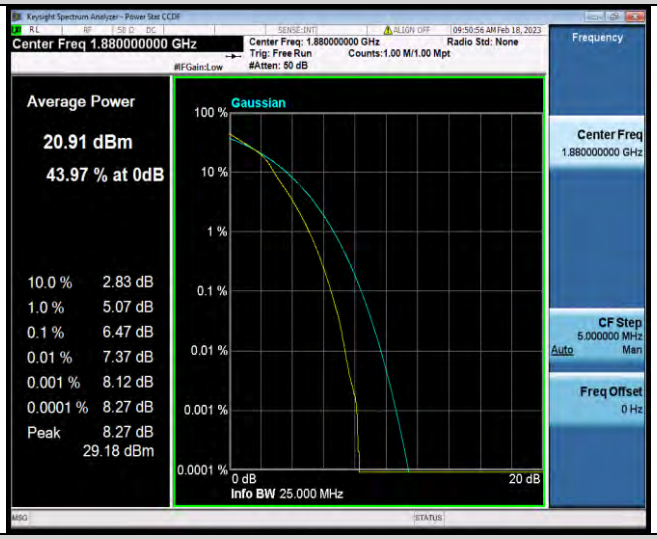

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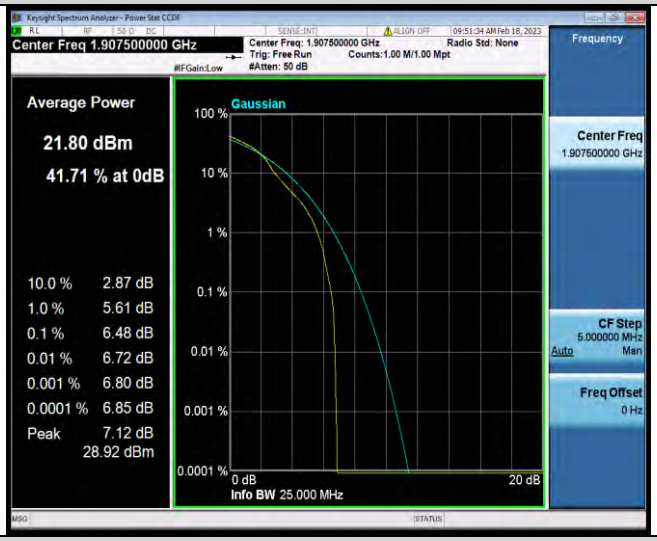

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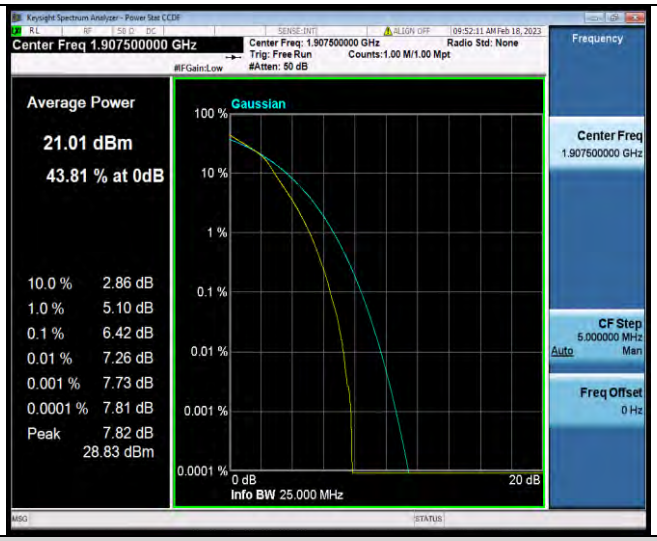

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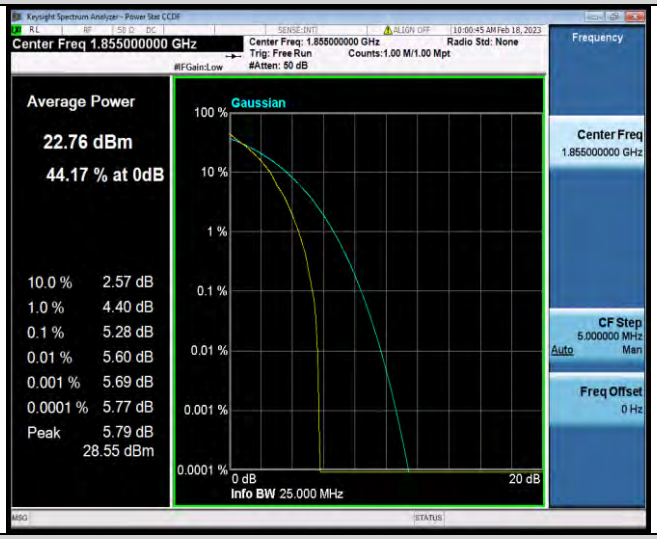

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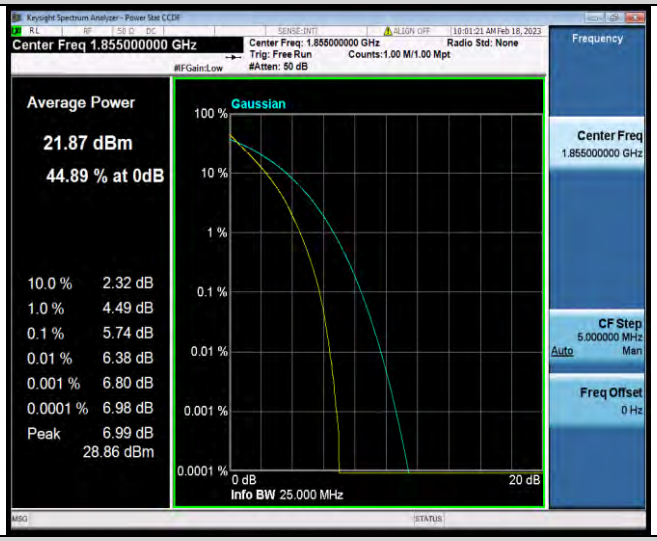

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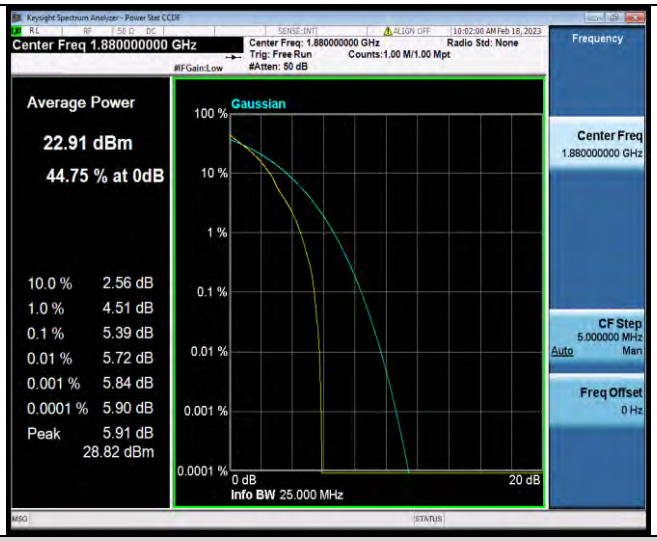

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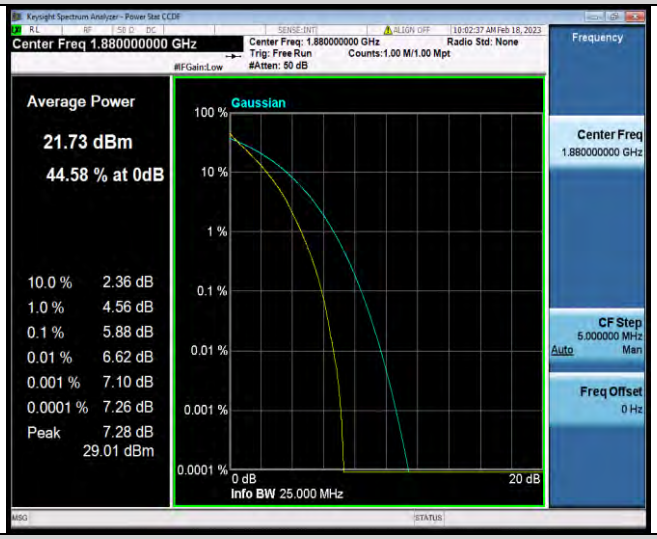

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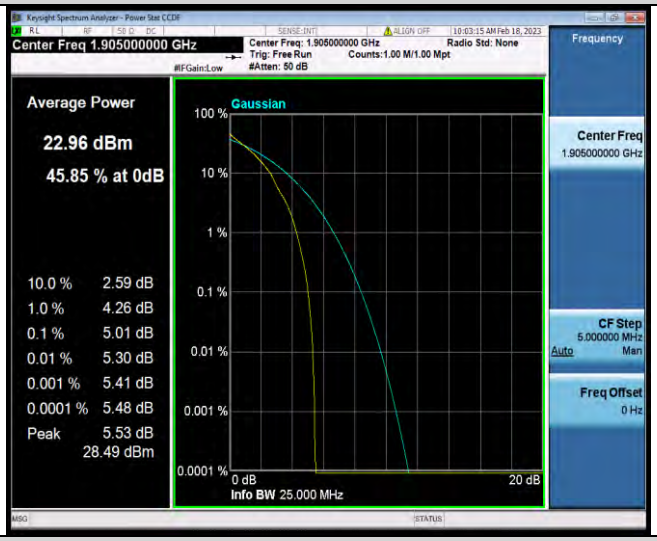

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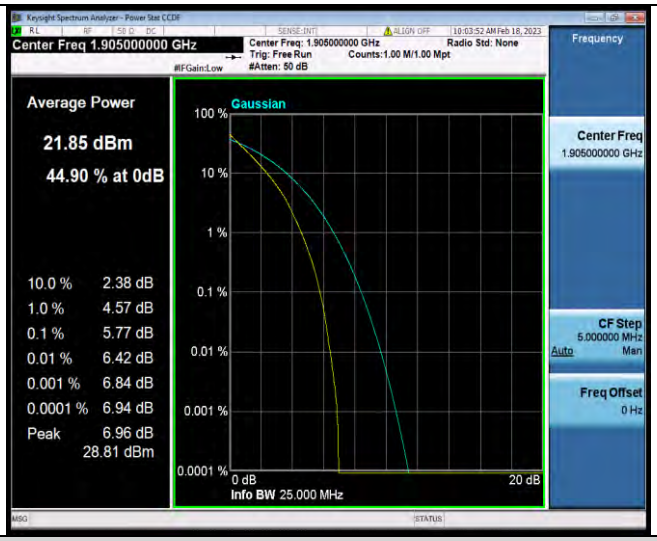

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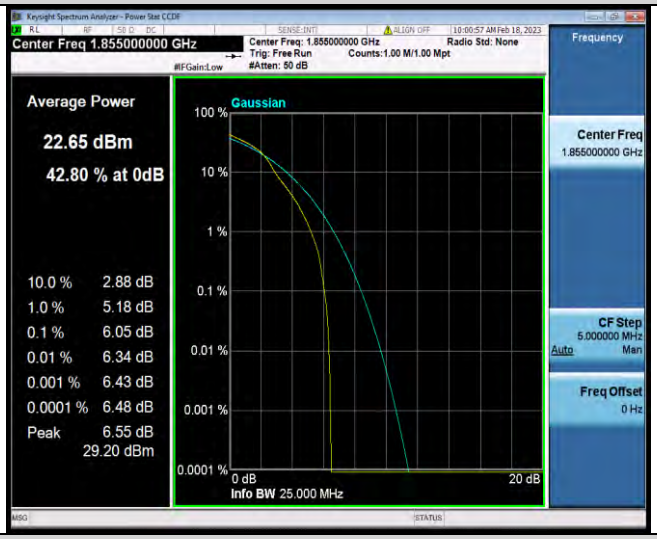

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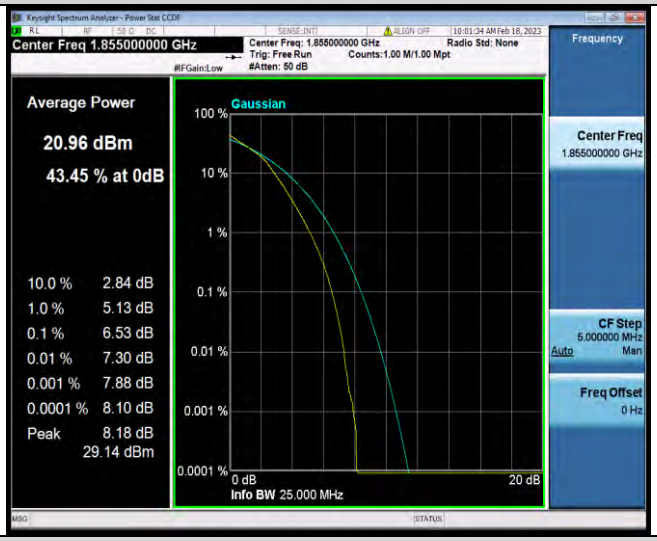

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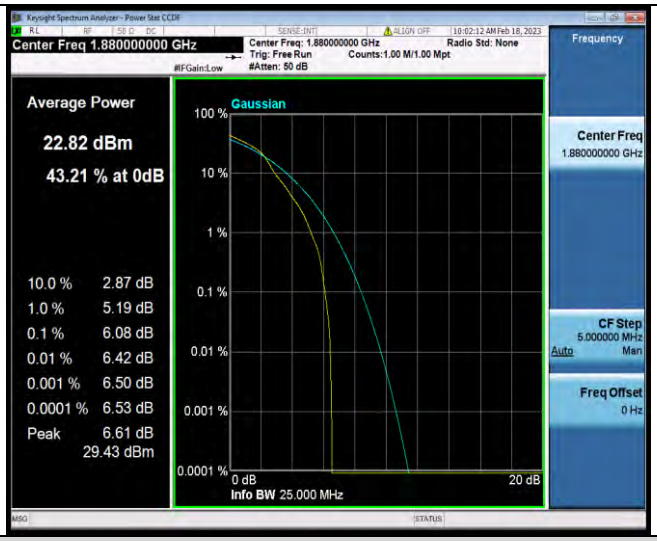

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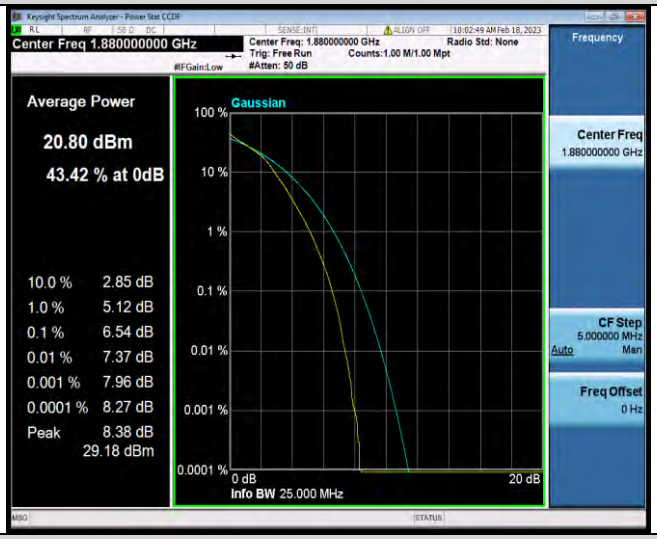

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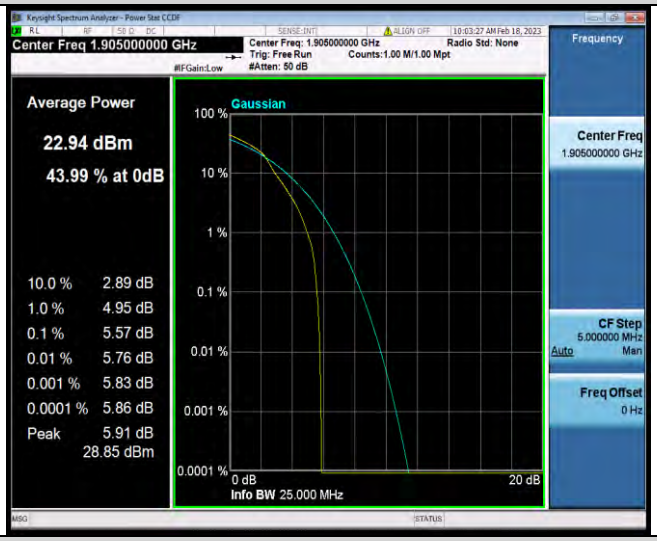

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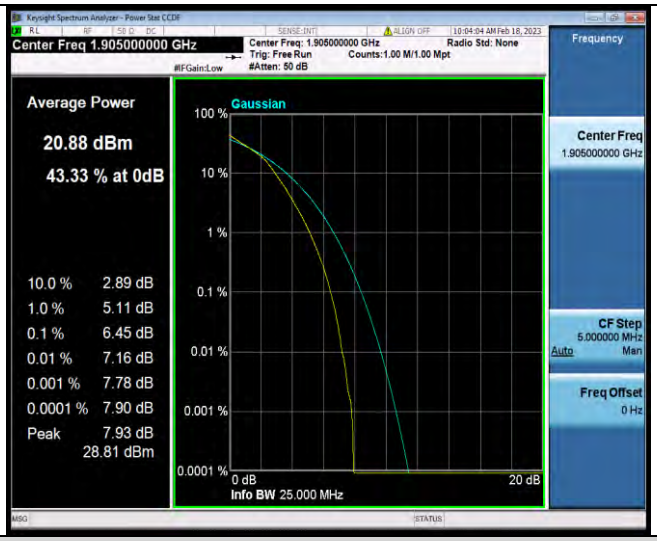

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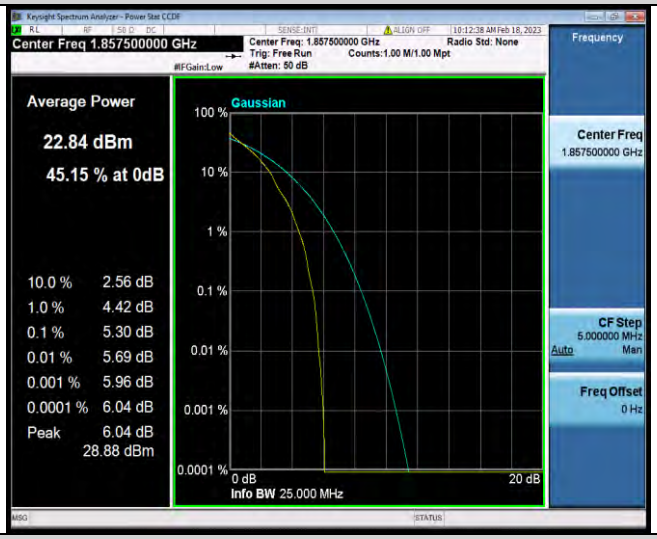

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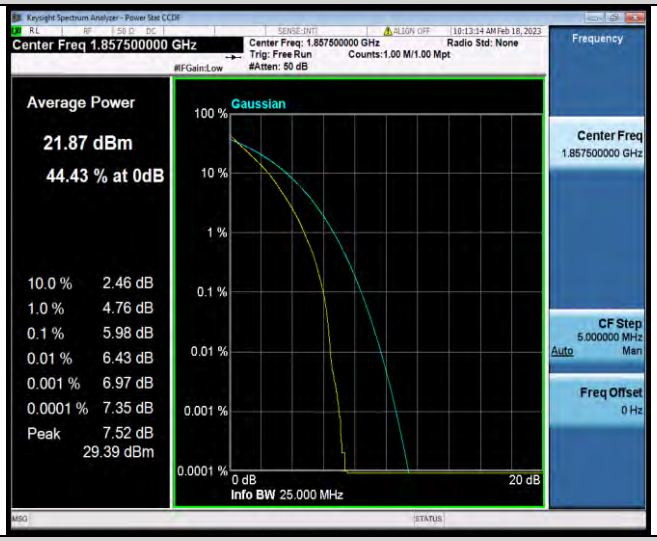

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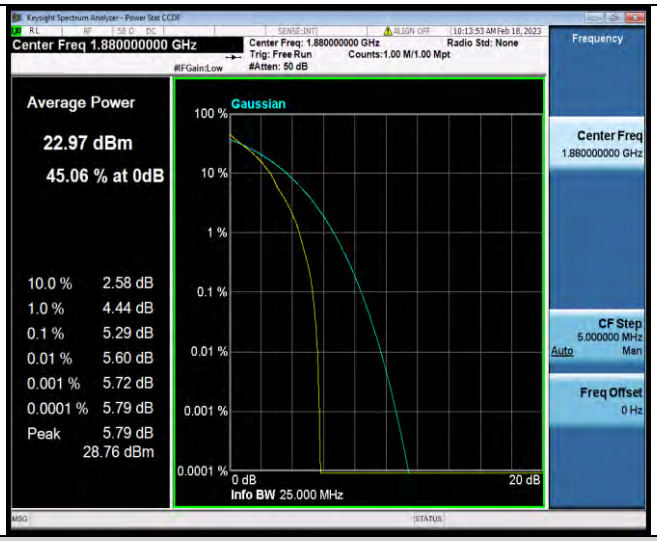

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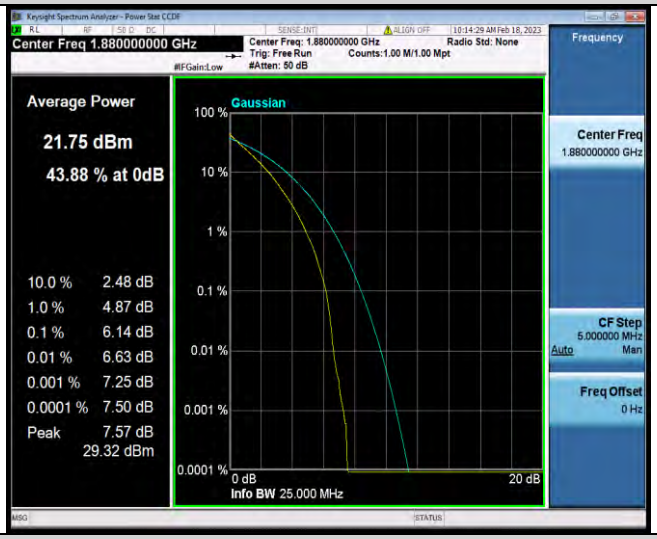

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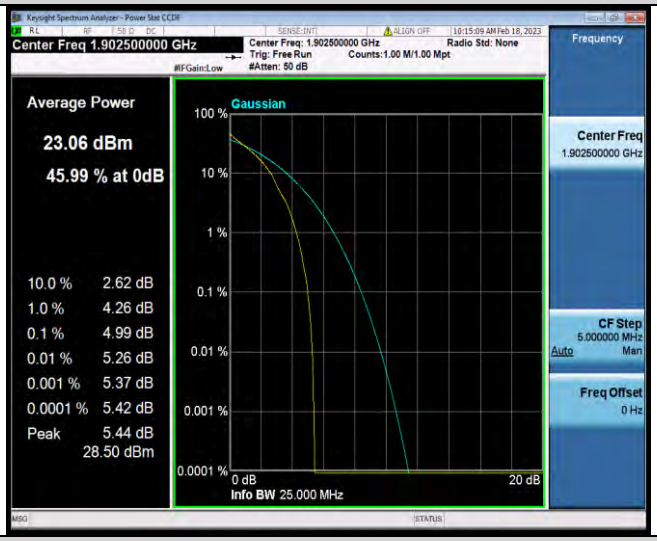

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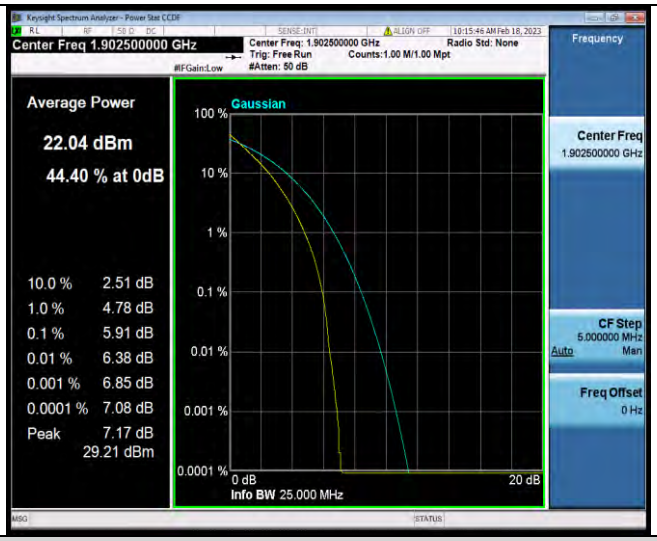

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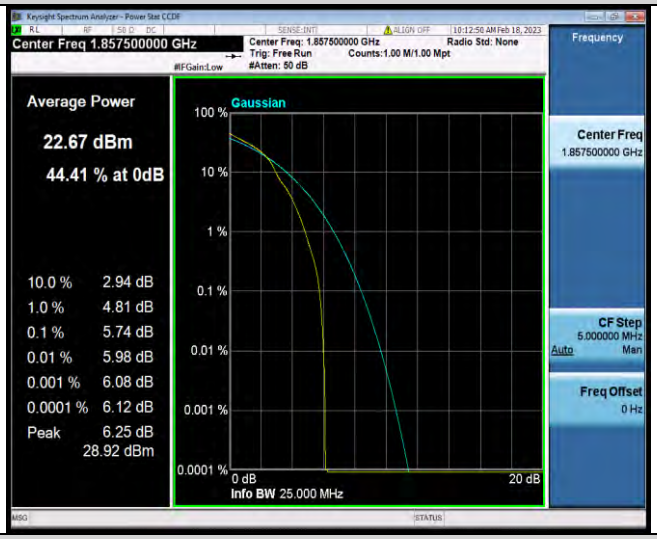

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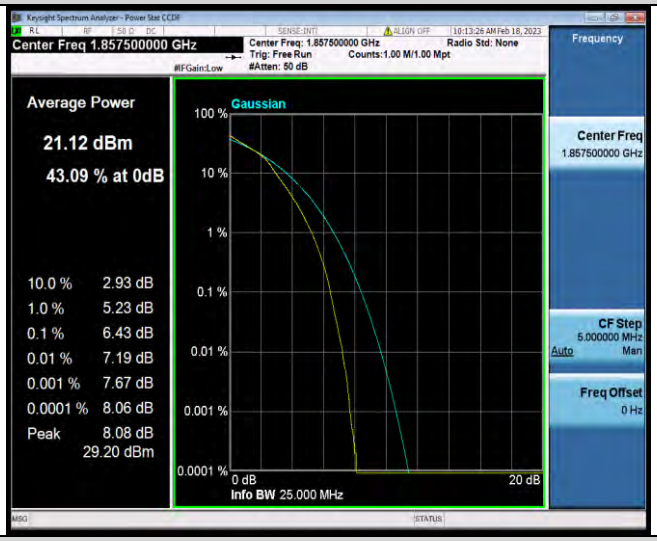

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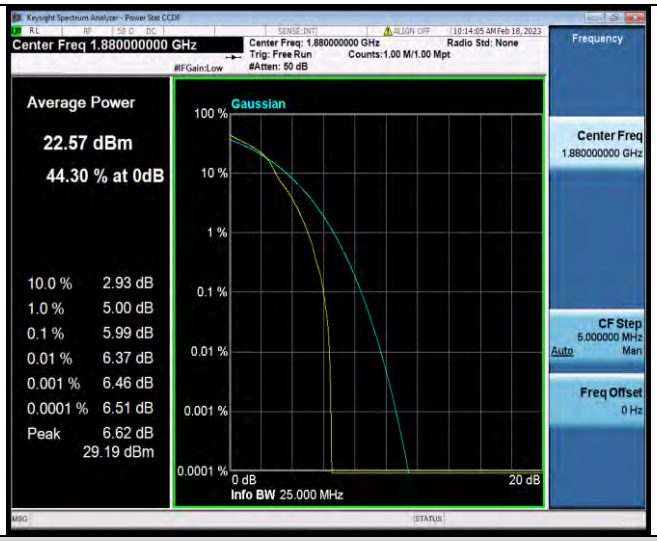

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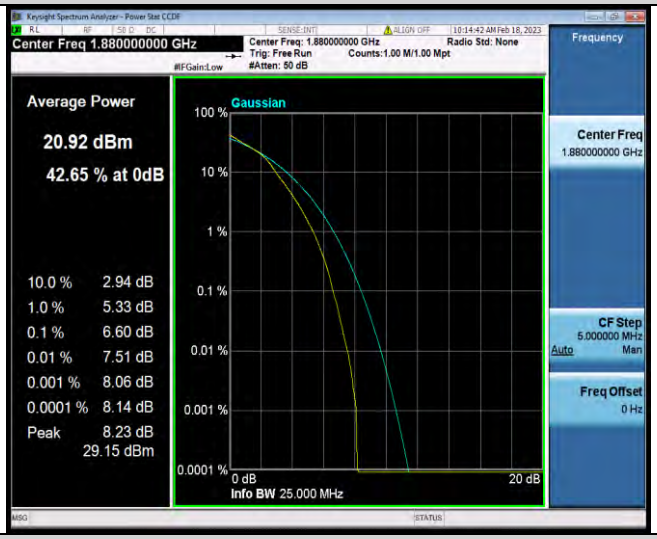

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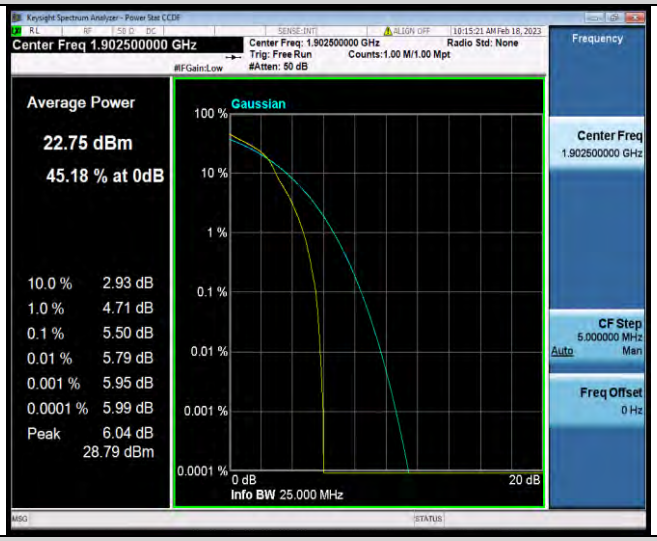

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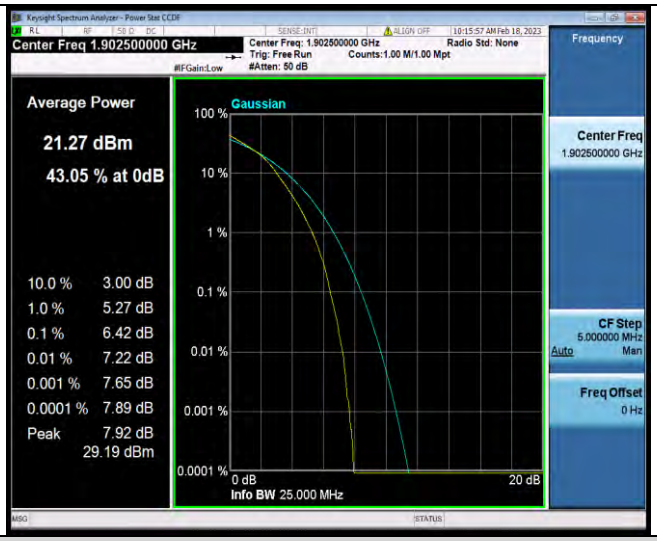

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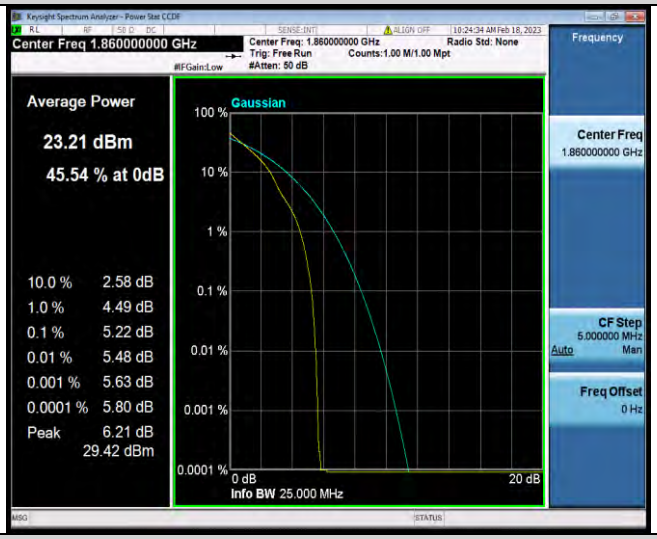

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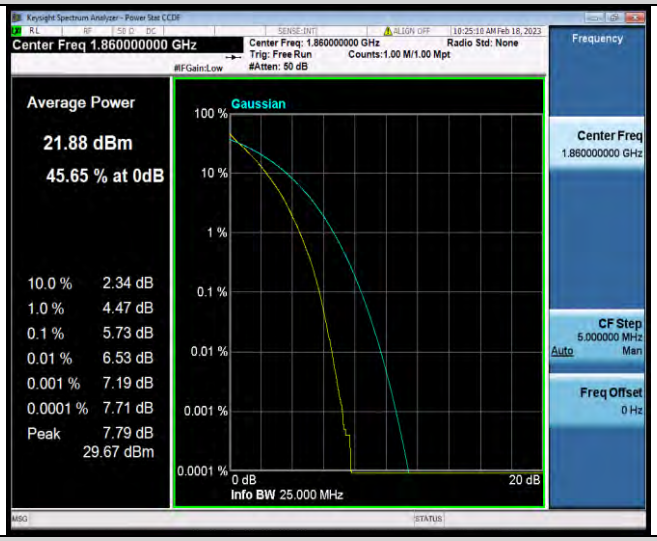

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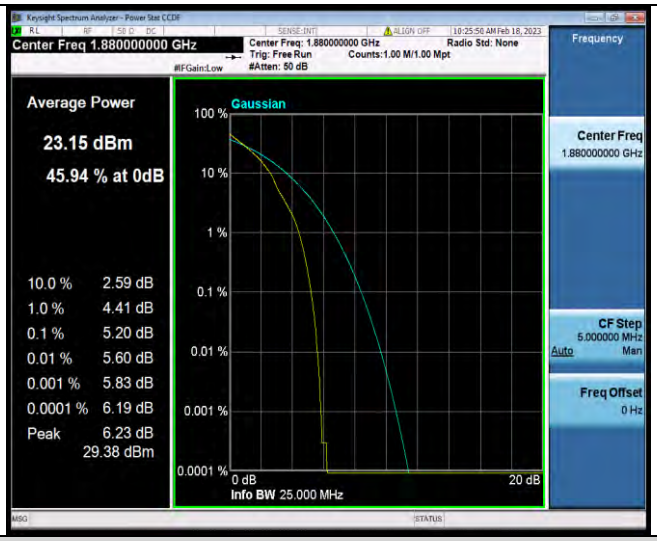

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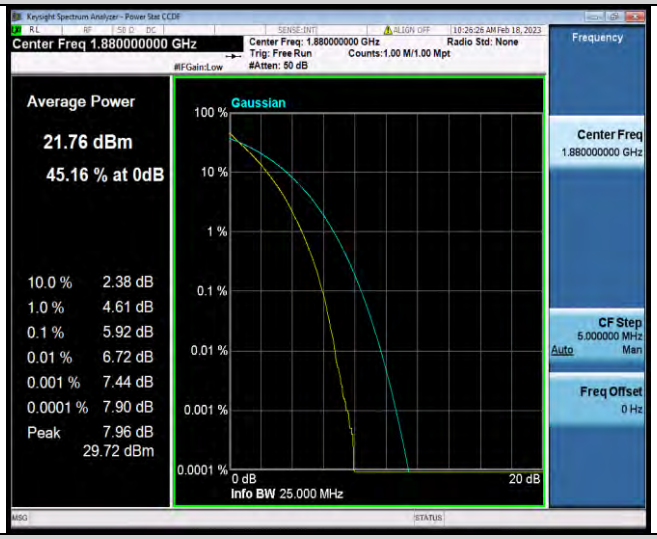

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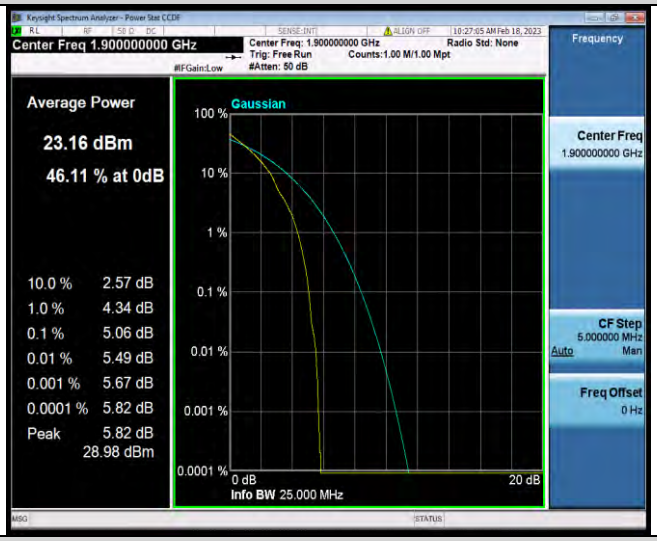

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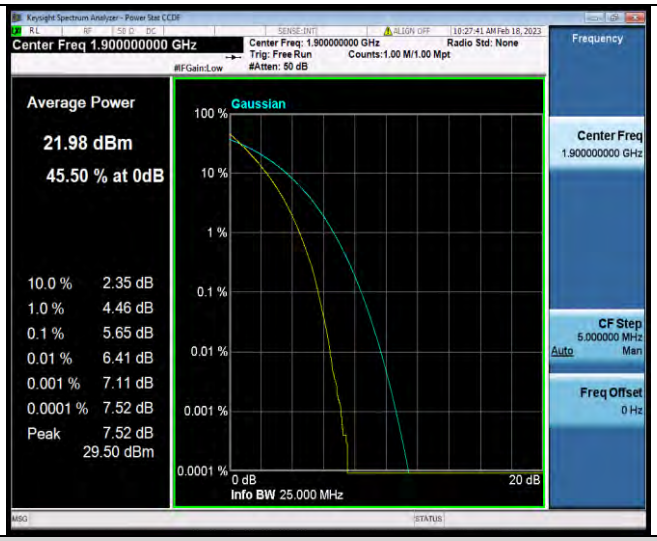

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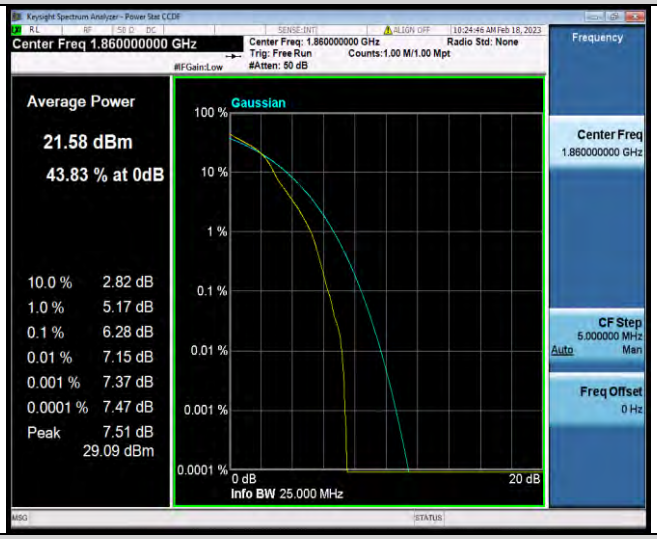

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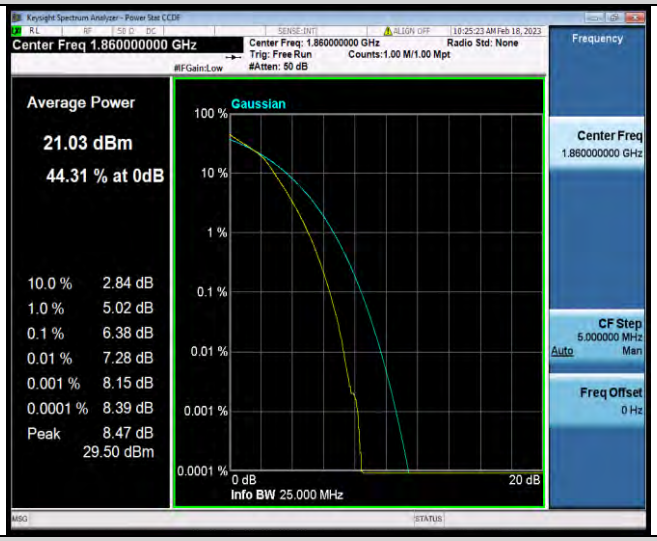
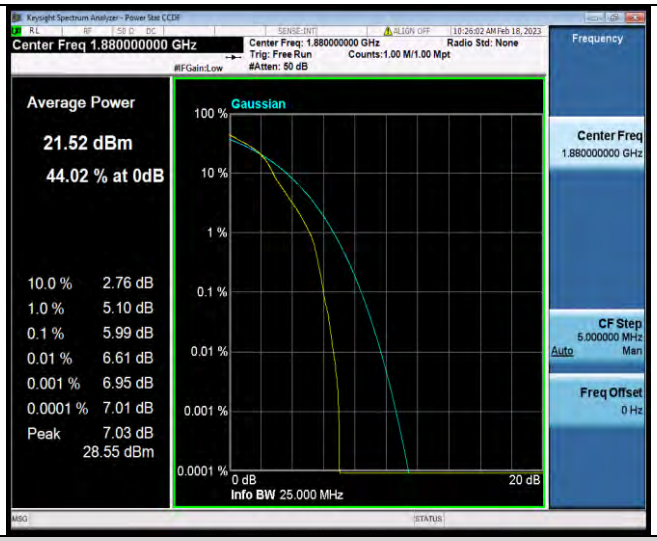
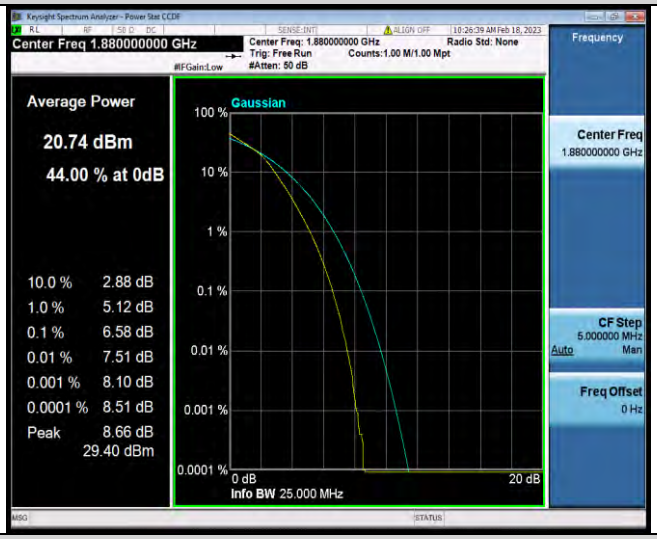


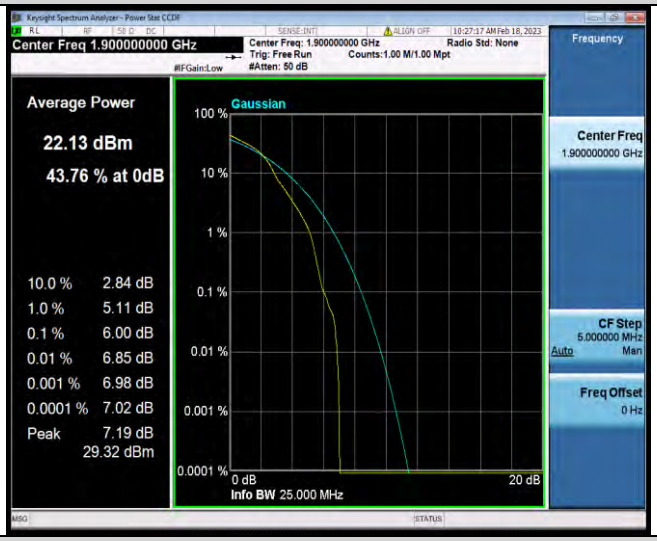
Band2-20MHz-16QAM-18900-1RB#0



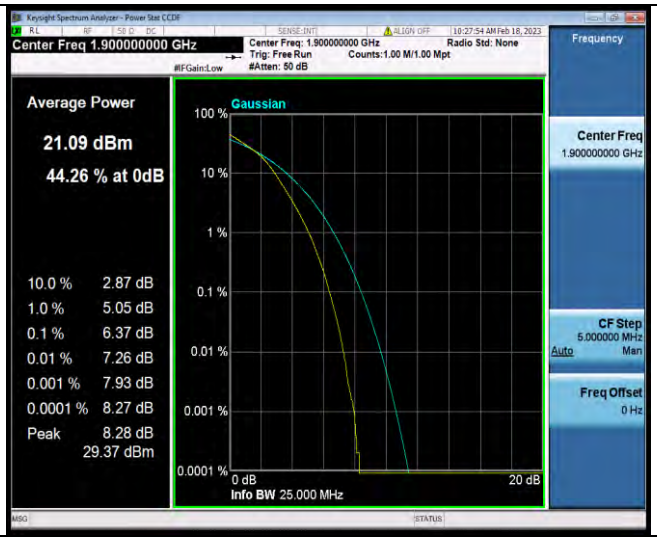
Band2-20MHz-16QAM-18900-100RB#0



Band2-20MHz-16QAM-19100-1RB#0



Band2-20MHz-16QAM-19100-100RB#0


Keysight Spectrum Analyzer - Power Stat CCDF
Center Freq 1.900000000 GHz
Center Freq: 1.900000000 GHz
Trig: Free Run
#Atten: 50 dB
Counts:1.00 M/1.00 Mpt
Radio Std: None
Frequency
Average Power
21.09 dBm
44.26 % at 0dB
10.0 % 2.87 dB
1.0 % 5.05 dB
0.1 % 6.37 dB
0.01 % 7.26 dB
0.001 % 7.93 dB
0.0001 % 8.27 dB
Peak 8.28 dB
29.37 dBm
Gaussian
100 %
10 %
1 %
0.1 %
0.01 %
0.001 %
0.0001 %
0 dB
20 dB
Info BW 25.000 MHz
Center Freq
1.900000000 GHz
CF Step
5.000000 MHz
Auto
Man
Freq Offset
0 Hz

26DB BANDWIDTH AND OCCUPIED BANDWIDTH

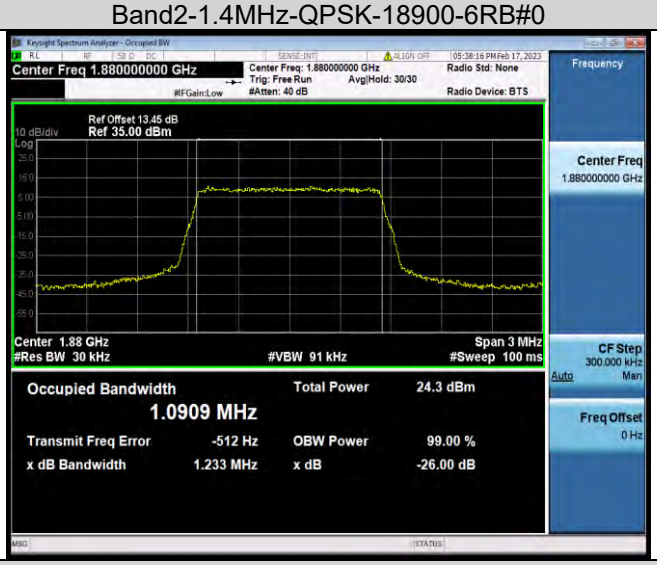
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band2	1.4MHz	QPSK	18607	6RB#0	1.0880	1.228	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	1.0909	1.233	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	1.0898	1.224	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	1.0930	1.238	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	1.0914	1.234	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	1.0922	1.234	PASS
Band2	3MHz	QPSK	18615	15RB#0	2.6975	2.943	PASS
Band2	3MHz	QPSK	18900	15RB#0	2.6997	2.953	PASS
Band2	3MHz	QPSK	19185	15RB#0	2.6973	2.967	PASS
Band2	3MHz	16QAM	18615	15RB#0	2.6928	2.945	PASS
Band2	3MHz	16QAM	18900	15RB#0	2.6918	2.981	PASS
Band2	3MHz	16QAM	19185	15RB#0	2.6944	2.974	PASS
Band2	5MHz	QPSK	18625	25RB#0	4.4938	4.881	PASS
Band2	5MHz	QPSK	18900	25RB#0	4.4977	4.886	PASS
Band2	5MHz	QPSK	19175	25RB#0	4.4956	4.879	PASS
Band2	5MHz	16QAM	18625	25RB#0	4.5013	4.874	PASS
Band2	5MHz	16QAM	18900	25RB#0	4.5018	4.881	PASS
Band2	5MHz	16QAM	19175	25RB#0	4.5005	4.878	PASS
Band2	10MHz	QPSK	18650	50RB#0	8.9816	9.616	PASS
Band2	10MHz	QPSK	18900	50RB#0	8.9916	9.599	PASS
Band2	10MHz	QPSK	19150	50RB#0	8.9939	9.617	PASS
Band2	10MHz	16QAM	18650	50RB#0	8.9758	9.599	PASS
Band2	10MHz	16QAM	18900	50RB#0	8.9913	9.610	PASS
Band2	10MHz	16QAM	19150	50RB#0	8.9833	9.580	PASS
Band2	15MHz	QPSK	18675	75RB#0	13.465	14.37	PASS
Band2	15MHz	QPSK	18900	75RB#0	13.477	14.29	PASS
Band2	15MHz	QPSK	19125	75RB#0	13.464	14.29	PASS
Band2	15MHz	16QAM	18675	75RB#0	13.454	14.30	PASS
Band2	15MHz	16QAM	18900	75RB#0	13.470	14.29	PASS
Band2	15MHz	16QAM	19125	75RB#0	13.459	14.24	PASS
Band2	20MHz	QPSK	18700	100RB#0	17.958	19.05	PASS
Band2	20MHz	QPSK	18900	100RB#0	18.002	19.03	PASS
Band2	20MHz	QPSK	19100	100RB#0	17.954	19.02	PASS
Band2	20MHz	16QAM	18700	100RB#0	17.945	18.99	PASS
Band2	20MHz	16QAM	18900	100RB#0	17.996	19.02	PASS
Band2	20MHz	16QAM	19100	100RB#0	17.935	19.00	PASS

Test Graphs

Band2-1.4MHz-QPSK-18607-6RB#0

Band2-1.4MHz-QPSK-18900-6RB#0



Band2-1.4MHz-QPSK-19193-6RB#0

Band2-1.4MHz-16QAM-18607-6RB#0

Band2-1.4MHz-16QAM-18900-6RB#0

Band2-1.4MHz-16QAM-19193-6RB#0

Band2-3MHz-QPSK-18615-15RB#0

Band2-3MHz-QPSK-18900-15RB#0

Band2-3MHz-QPSK-19185-15RB#0

Band2-3MHz-16QAM-18615-15RB#0

Band2-3MHz-16QAM-18900-15RB#0

Band2-3MHz-16QAM-19185-15RB#0

Band2-5MHz-QPSK-18625-25RB#0

Band2-5MHz-QPSK-18900-25RB#0

Band2-5MHz-QPSK-19175-25RB#0

Band2-5MHz-16QAM-18625-25RB#0

Band2-5MHz-16QAM-18900-25RB#0

Band2-5MHz-16QAM-19175-25RB#0

Band2-10MHz-QPSK-18650-50RB#0

Band2-10MHz-QPSK-18900-50RB#0

Band2-10MHz-QPSK-19150-50RB#0

Band2-10MHz-16QAM-18650-50RB#0

Band2-10MHz-16QAM-18900-50RB#0

Band2-10MHz-16QAM-19150-50RB#0

Band2-15MHz-QPSK-18675-75RB#0

Band2-15MHz-QPSK-18900-75RB#0

Band2-15MHz-QPSK-19125-75RB#0

Band2-15MHz-16QAM-18675-75RB#0

Band2-15MHz-16QAM-18900-75RB#0

Band2-15MHz-16QAM-19125-75RB#0

Band2-20MHz-QPSK-18700-100RB#0

Band2-20MHz-QPSK-18900-100RB#0

Band2-20MHz-QPSK-19100-100RB#0

Band2-20MHz-16QAM-18700-100RB#0

Band2-20MHz-16QAM-18900-100RB#0

Band2-20MHz-16QAM-19100-100RB#0

Keysight Spectrum Analyzer - Occupied BW
Center Freq 1.900000000 GHz
Center Freq: 1.900000000 GHz
Trig: Free Run
Avg|Hold: 30/30
#Atten: 40 dB
Radio Std: None
Radio Device: BTS
Frequency
Ref Offset 13.39 dB
10 dB/div
Ref 35.00 dBm
Center Freq
1.900000000 GHz
Center 1.9 GHz
Res BW 390 kHz
#VBW 1.2 MHz
Span 40 MHz
#Sweep 100 ms
CF Step
4.000000 MHz
Auto
Man
Occupied Bandwidth
17.935 MHz
Total Power 22.0 dBm
Transmit Freq Error -21.578 kHz
OBW Power 99.00 %
x dB Bandwidth 19.00 MHz
x dB -26.00 dB
Freq Offset
0 Hz

BAND EDGE

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band2	1.4MHz	QPSK	18607	1RB#0	-30.81,-33.69	PASS
Band2	1.4MHz	QPSK	18607	6RB#0	-33.56,-33.69	PASS
Band2	1.4MHz	QPSK	19193	1RB#5	-32.06,-26.14	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	-30.22,-33.88	PASS
Band2	1.4MHz	16QAM	18607	1RB#0	-31.44,-33.98	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	-33.23,-35.39	PASS
Band2	1.4MHz	16QAM	19193	1RB#5	-32.53,-27.06	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	-32.07,-33.39	PASS
Band2	3MHz	QPSK	18615	1RB#0	-38.11,-20.14	PASS
Band2	3MHz	QPSK	18615	15RB#0	-34.56,-28.04	PASS
Band2	3MHz	QPSK	19185	1RB#14	-19.68,-34.82	PASS
Band2	3MHz	QPSK	19185	15RB#0	-27.77,-33.68	PASS
Band2	3MHz	16QAM	18615	1RB#0	-38.01,-23.16	PASS
Band2	3MHz	16QAM	18615	15RB#0	-33.49,-28.25	PASS
Band2	3MHz	16QAM	19185	1RB#14	-20.07,-35.10	PASS
Band2	3MHz	16QAM	19185	15RB#0	-28.61,-33.00	PASS
Band2	5MHz	QPSK	18625	1RB#0	-40.63,-30.18	PASS
Band2	5MHz	QPSK	18625	1RB#24	-37.57,-44.92	PASS
Band2	5MHz	QPSK	18625	25RB#0	-35.70,-36.32	PASS
Band2	5MHz	QPSK	19175	1RB#0	-45.56,-40.73	PASS
Band2	5MHz	QPSK	19175	1RB#24	-30.22,-39.31	PASS
Band2	5MHz	QPSK	19175	25RB#0	-36.12,-35.53	PASS
Band2	5MHz	16QAM	18625	1RB#0	-42.00,-31.54	PASS
Band2	5MHz	16QAM	18625	1RB#24	-41.50,-49.57	PASS
Band2	5MHz	16QAM	18625	25RB#0	-35.19,-36.85	PASS
Band2	5MHz	16QAM	19175	1RB#0	-46.61,-42.51	PASS
Band2	5MHz	16QAM	19175	1RB#24	-28.74,-40.85	PASS
Band2	5MHz	16QAM	19175	25RB#0	-36.60,-34.91	PASS
Band2	10MHz	QPSK	18650	1RB#0	-43.28,-34.47	PASS
Band2	10MHz	QPSK	18650	50RB#0	-38.16,-38.63	PASS
Band2	10MHz	QPSK	19150	1RB#49	-35.26,-43.14	PASS
Band2	10MHz	QPSK	19150	50RB#0	-39.28,-38.42	PASS
Band2	10MHz	16QAM	18650	1RB#0	-43.24,-33.96	PASS
Band2	10MHz	16QAM	18650	50RB#0	-37.16,-38.93	PASS
Band2	10MHz	16QAM	19150	1RB#49	-32.98,-43.09	PASS
Band2	10MHz	16QAM	19150	50RB#0	-40.14,-38.28	PASS
Band2	15MHz	QPSK	18675	1RB#0	-43.68,-35.52	PASS
Band2	15MHz	QPSK	18675	75RB#0	-38.34,-41.43	PASS
Band2	15MHz	QPSK	19125	1RB#74	-36.35,-44.08	PASS
Band2	15MHz	QPSK	19125	75RB#0	-42.36,-40.09	PASS
Band2	15MHz	16QAM	18675	1RB#0	-44.35,-34.91	PASS
Band2	15MHz	16QAM	18675	75RB#0	-37.24,-40.85	PASS
Band2	15MHz	16QAM	19125	1RB#74	-34.09,-43.96	PASS

Band2	15MHz	16QAM	19125	75RB#0	-42.49,-39.87	PASS
Band2	20MHz	QPSK	18700	1RB#0	-44.72,-41.71	PASS
Band2	20MHz	QPSK	18700	100RB#0	-41.01,-43.81	PASS
Band2	20MHz	QPSK	19100	1RB#99	-38.98,-44.68	PASS
Band2	20MHz	QPSK	19100	100RB#0	-45.02,-42.23	PASS
Band2	20MHz	16QAM	18700	1RB#0	-45.65,-41.43	PASS
Band2	20MHz	16QAM	18700	100RB#0	-40.10,-42.88	PASS
Band2	20MHz	16QAM	19100	1RB#99	-41.67,-45.72	PASS
Band2	20MHz	16QAM	19100	100RB#0	-45.08,-41.65	PASS

Test Graphs

Band2-1.4MHz-QPSK-18607-1RB#0

Band2-1.4MHz-QPSK-18607-6RB#0

Band2-1.4MHz-QPSK-19193-1RB#5

Band2-1.4MHz-QPSK-19193-6RB#0

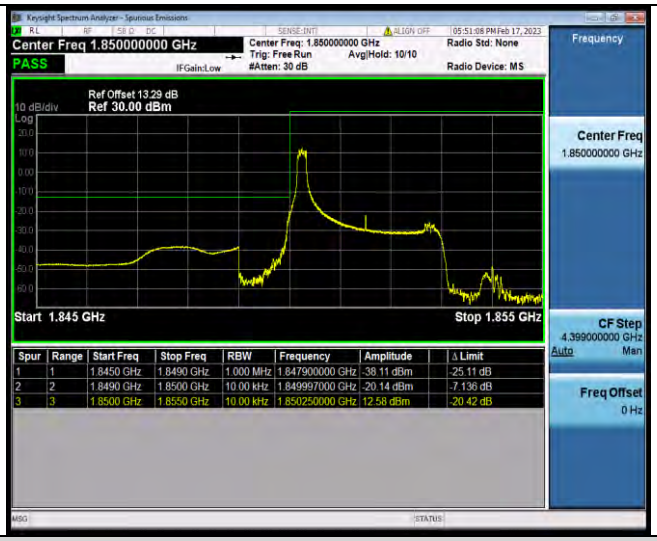
Band2-1.4MHz-16QAM-18607-1RB#0

Band2-1.4MHz-16QAM-18607-6RB#0

Band2-1.4MHz-16QAM-19193-1RB#5

Band2-1.4MHz-16QAM-19193-6RB#0

Band2-3MHz-QPSK-18615-1RB#0

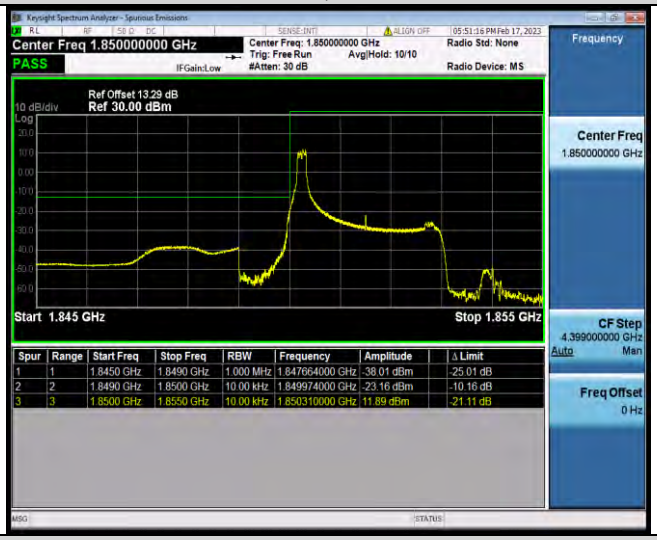


Band2-3MHz-QPSK-18615-15RB#0

Band2-3MHz-QPSK-19185-1RB#14

Band2-3MHz-QPSK-19185-15RB#0

Band2-3MHz-16QAM-18615-1RB#0



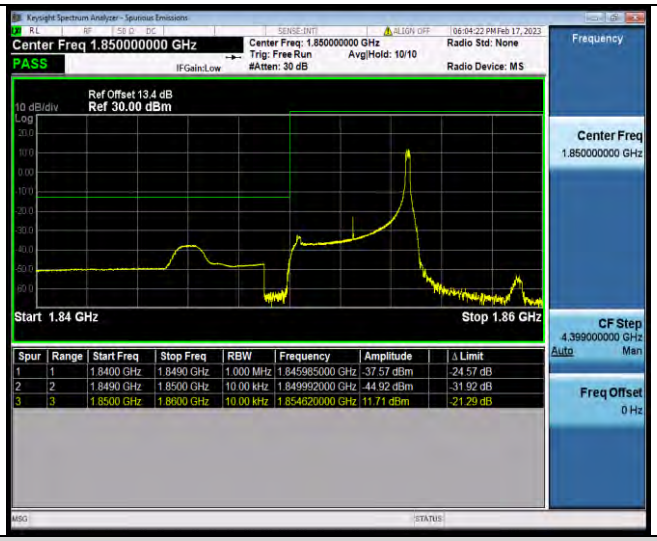
Band2-3MHz-16QAM-18615-15RB#0

Band2-3MHz-16QAM-19185-1RB#14

Band2-3MHz-16QAM-19185-15RB#0

Band2-5MHz-QPSK-18625-1RB#0

Band2-5MHz-QPSK-18625-1RB#24



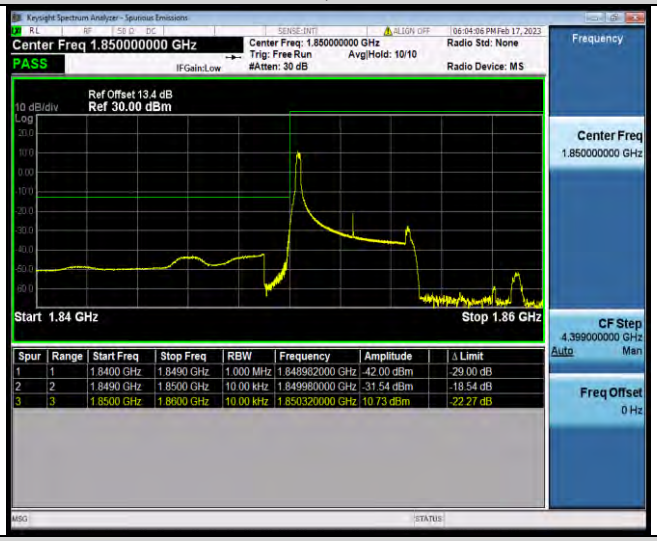
Band2-5MHz-QPSK-18625-25RB#0

Band2-5MHz-QPSK-19175-1RB#0

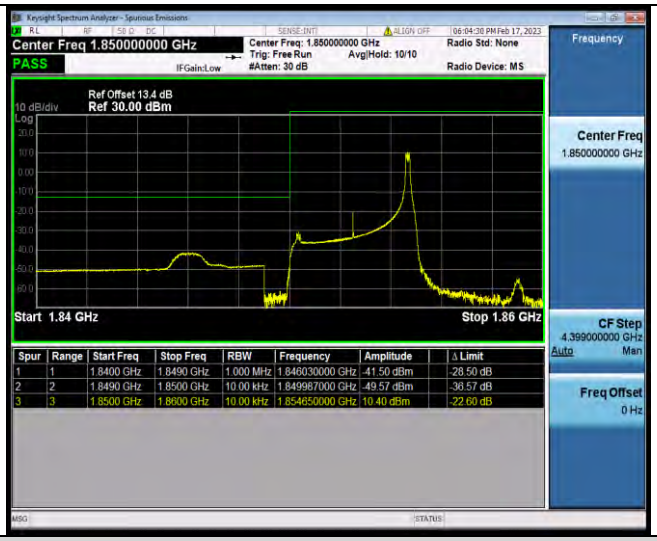
Band2-5MHz-QPSK-19175-1RB#24

Band2-5MHz-QPSK-19175-25RB#0

Band2-5MHz-16QAM-18625-1RB#0



Band2-5MHz-16QAM-18625-1RB#24



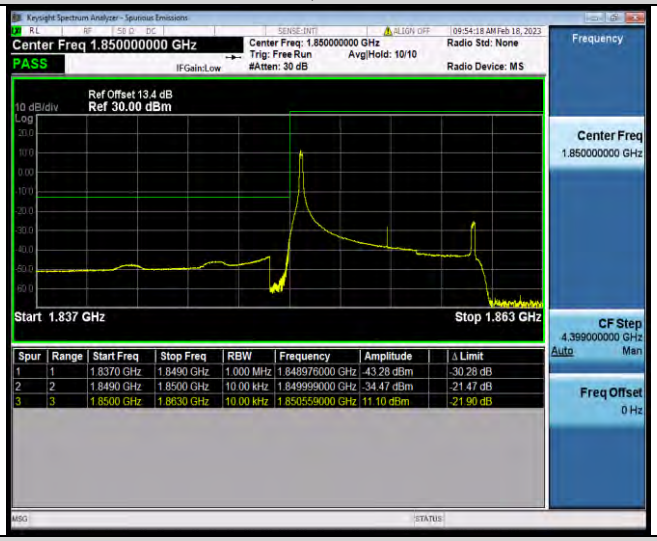
Band2-5MHz-16QAM-18625-25RB#0

Band2-5MHz-16QAM-19175-1RB#0

Band2-5MHz-16QAM-19175-1RB#24

Band2-5MHz-16QAM-19175-25RB#0

Band2-10MHz-QPSK-18650-1RB#0



Band2-10MHz-QPSK-18650-50RB#0

Band2-10MHz-QPSK-19150-1RB#49

Band2-10MHz-QPSK-19150-50RB#0

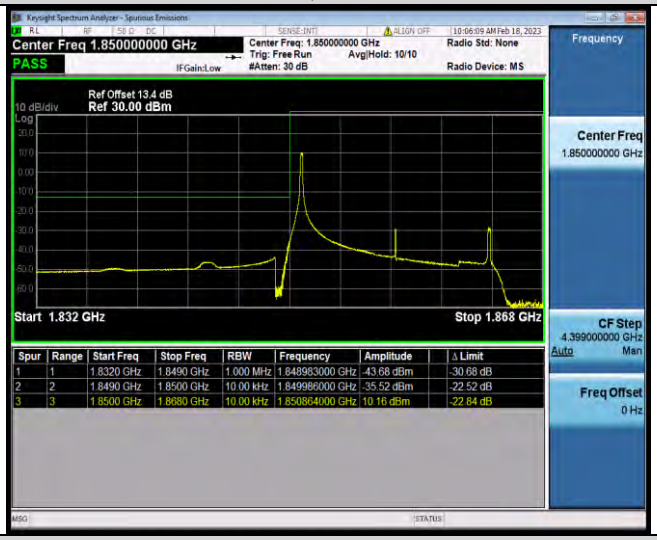
Band2-10MHz-16QAM-18650-1RB#0

Band2-10MHz-16QAM-18650-50RB#0

Band2-10MHz-16QAM-19150-1RB#49

Band2-10MHz-16QAM-19150-50RB#0

Band2-15MHz-QPSK-18675-1RB#0

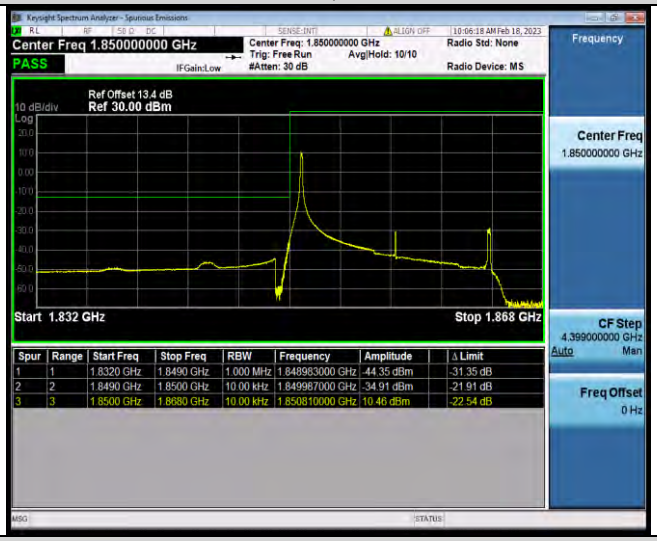


Band2-15MHz-QPSK-18675-75RB#0

Band2-15MHz-QPSK-19125-1RB#74

Band2-15MHz-QPSK-19125-75RB#0

Band2-15MHz-16QAM-18675-1RB#0

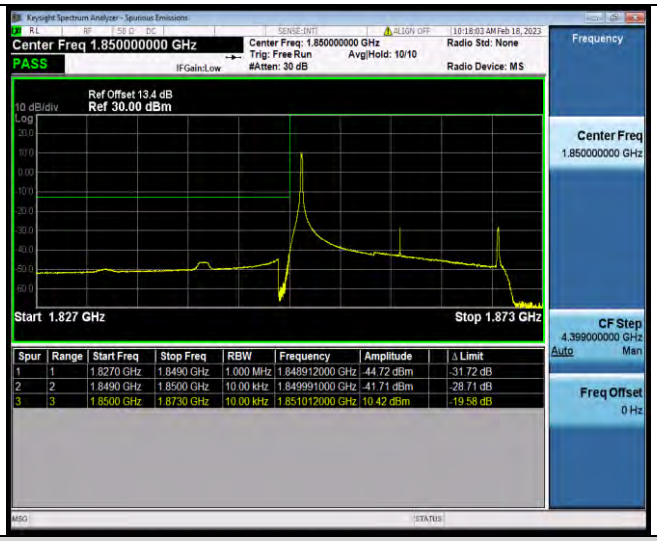


Band2-15MHz-16QAM-18675-75RB#0

Band2-15MHz-16QAM-19125-1RB#74

Band2-15MHz-16QAM-19125-75RB#0

Band2-20MHz-QPSK-18700-1RB#0

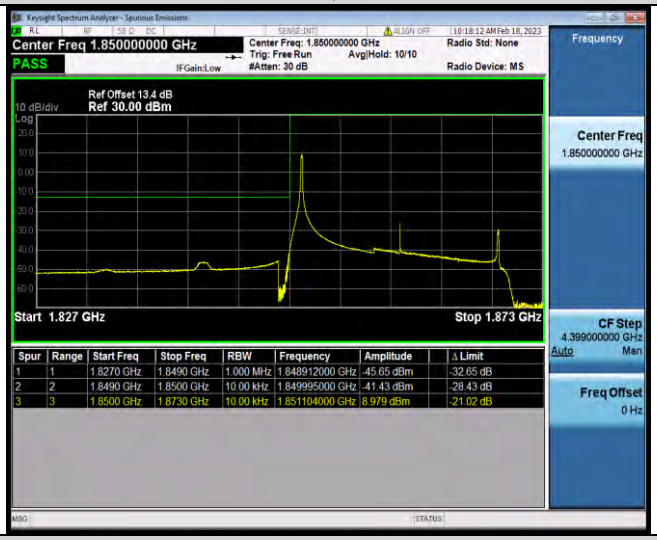


Band2-20MHz-QPSK-18700-100RB#0

Band2-20MHz-QPSK-19100-1RB#99

Band2-20MHz-QPSK-19100-100RB#0

Band2-20MHz-16QAM-18700-1RB#0



Band2-20MHz-16QAM-18700-100RB#0

Band2-20MHz-16QAM-19100-1RB#99

Band2-20MHz-16QAM-19100-100RB#0