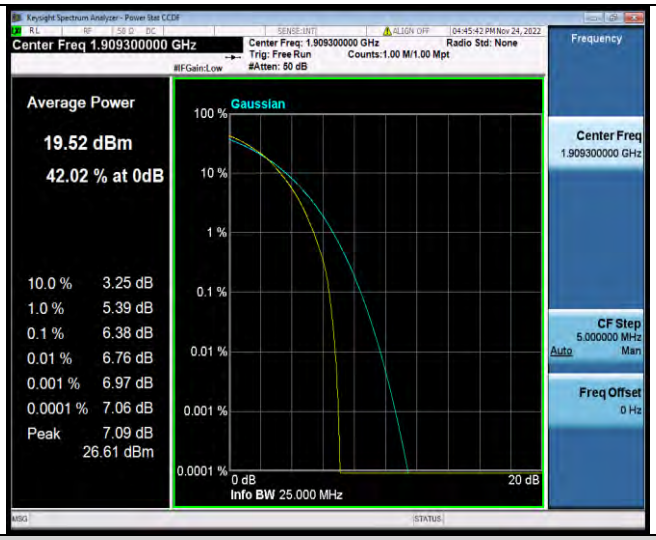
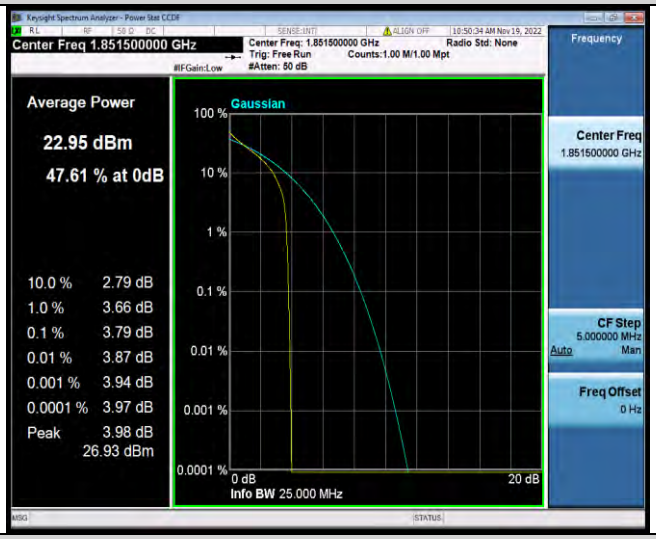


Band2-3MHz-QPSK-18615-1RB#0



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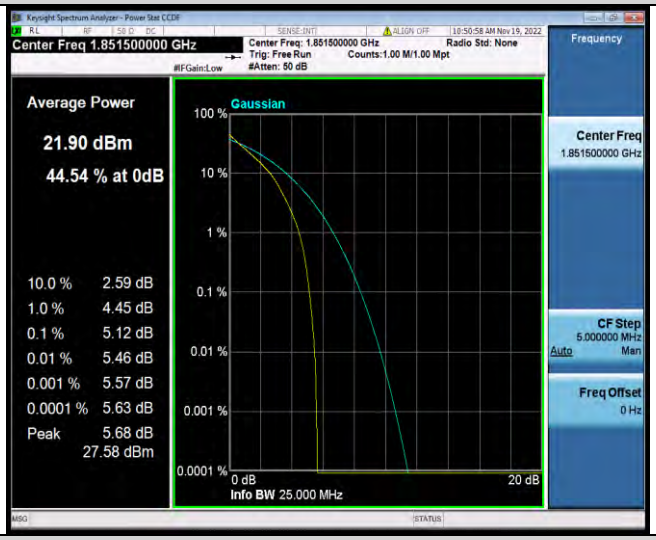

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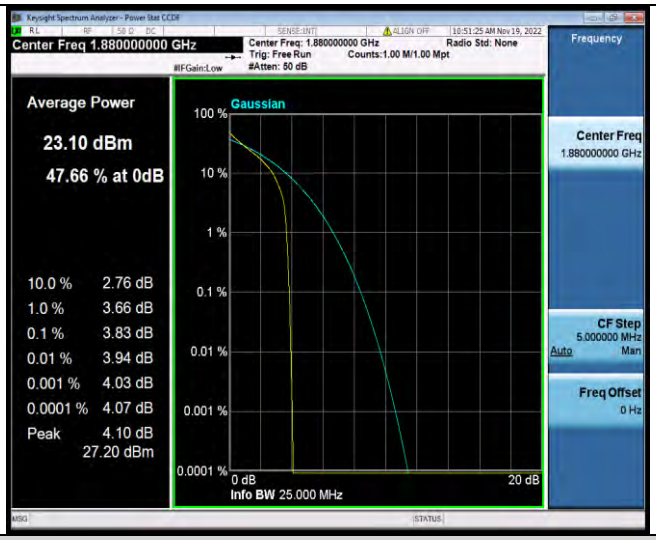

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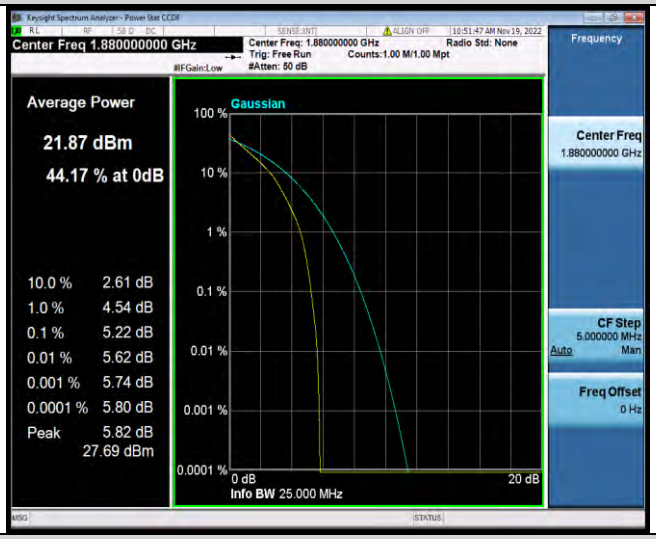

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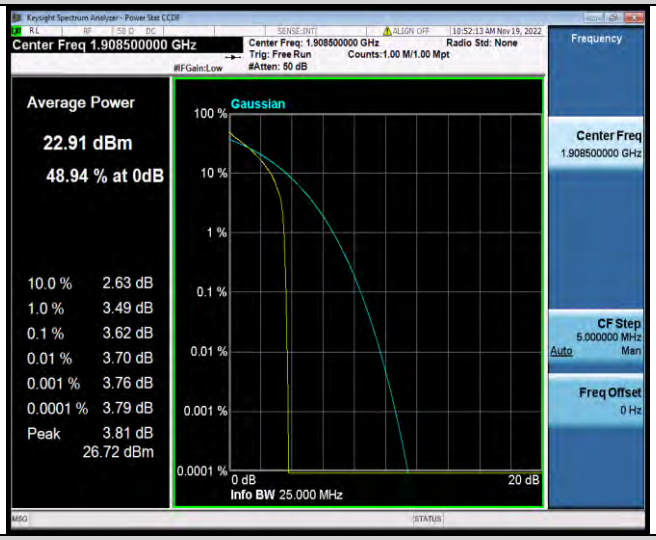

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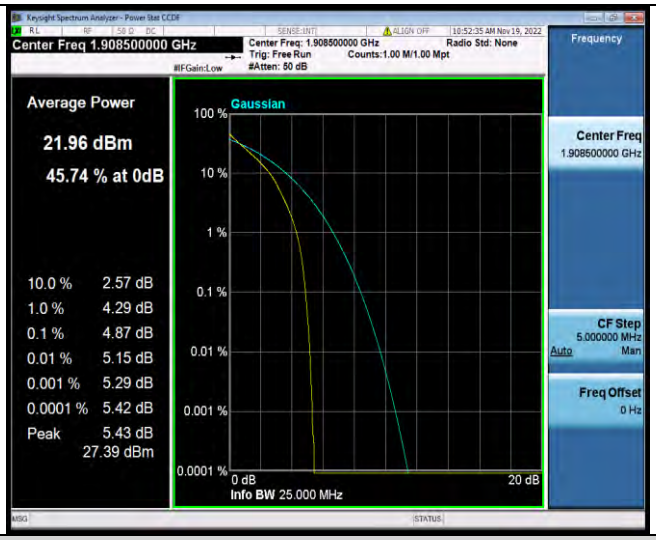

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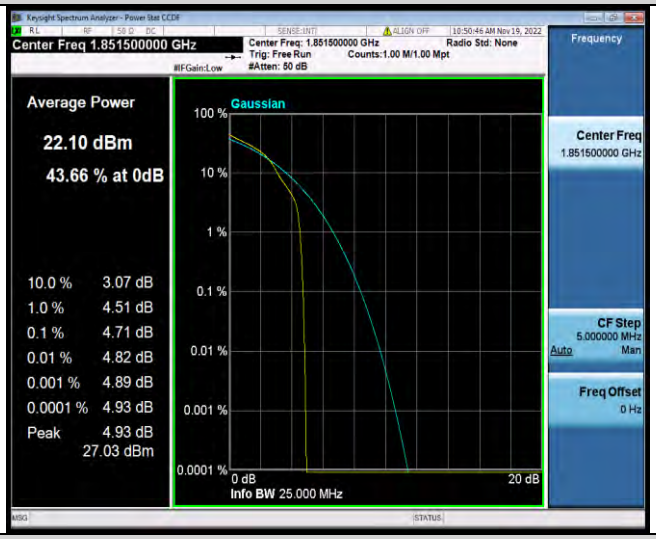

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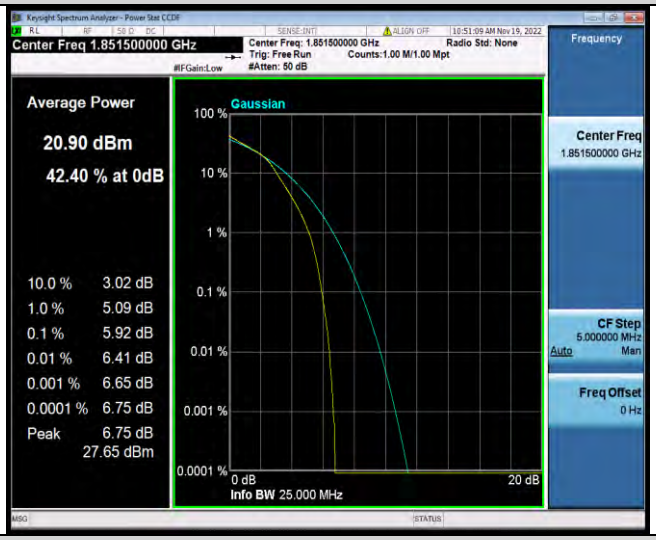

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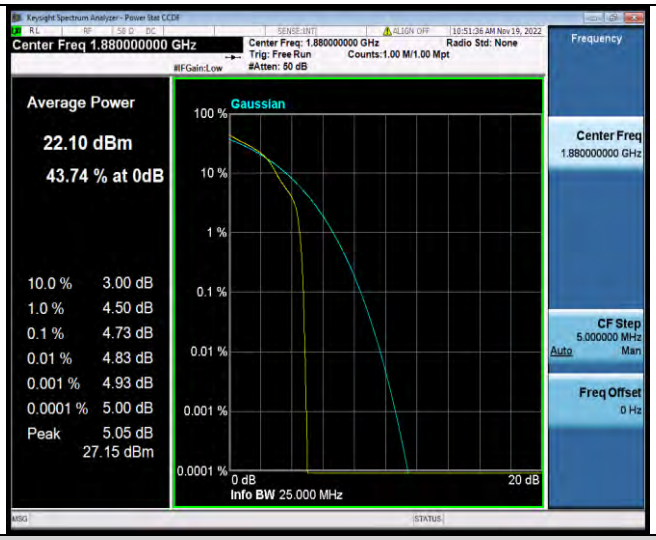

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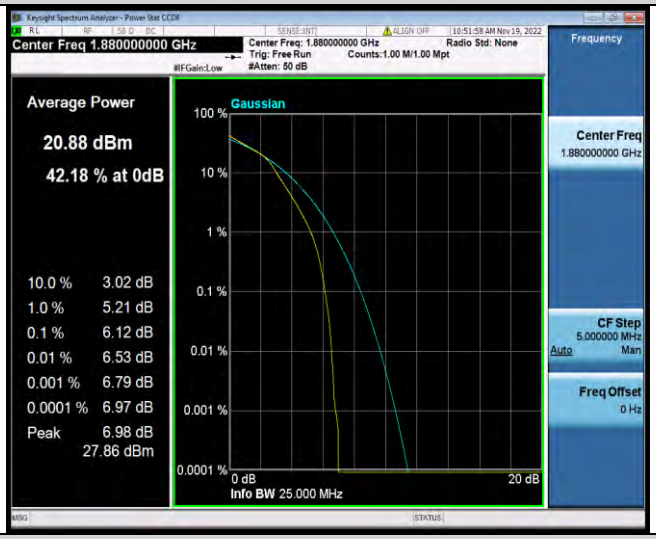

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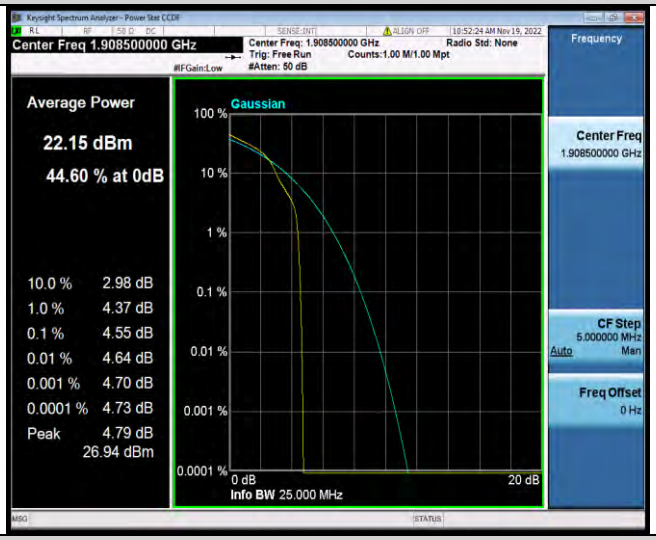

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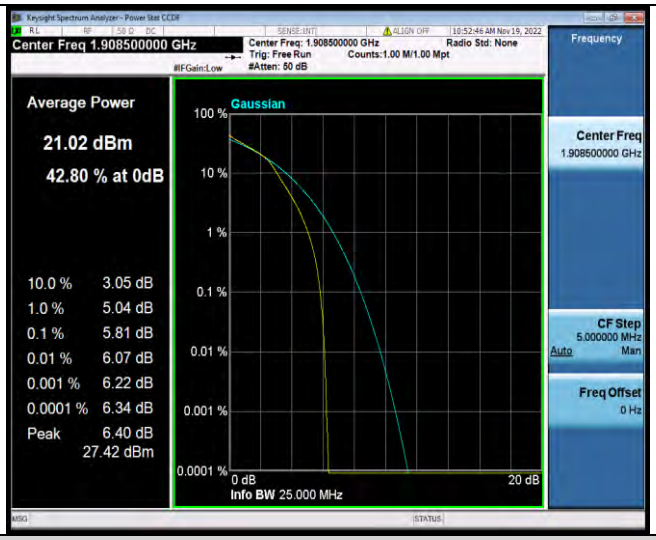

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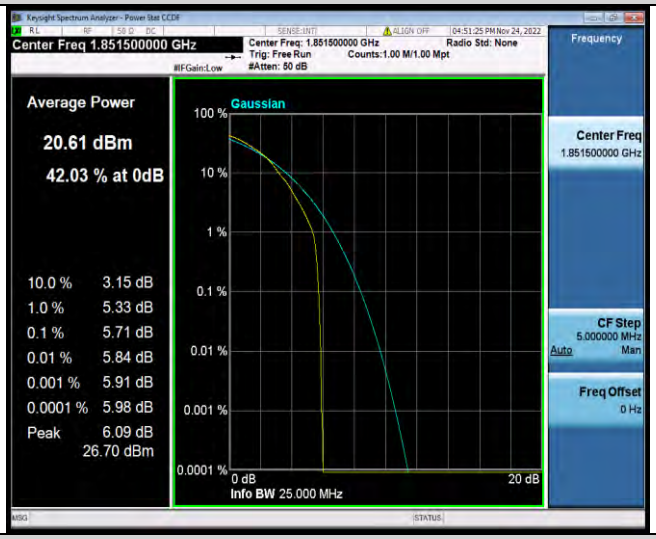

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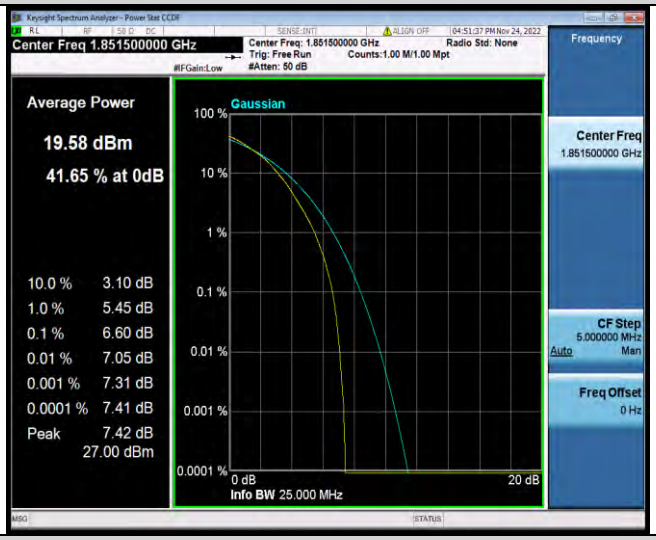

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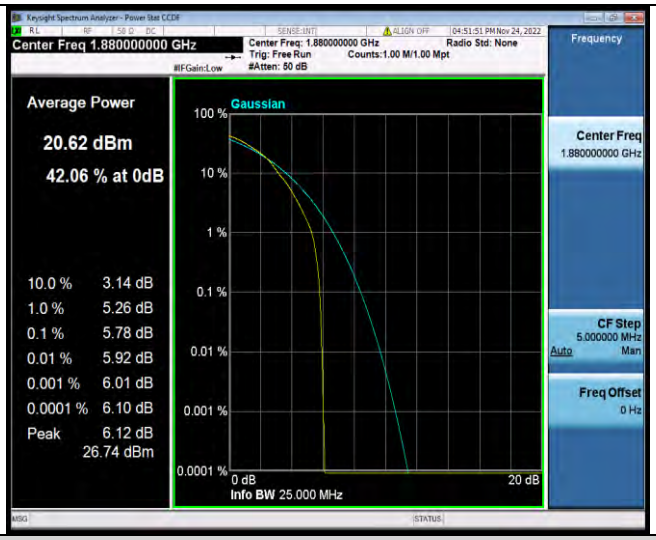

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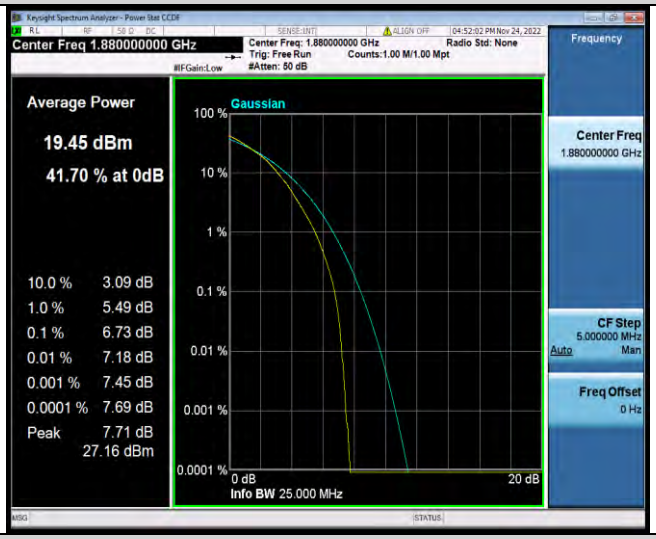

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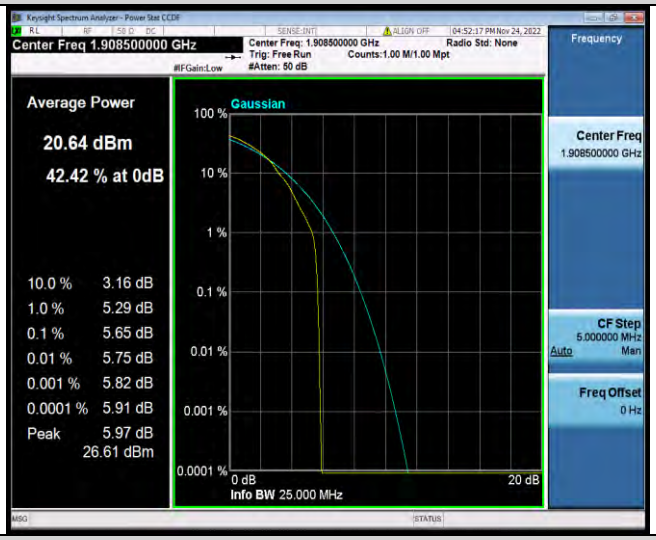

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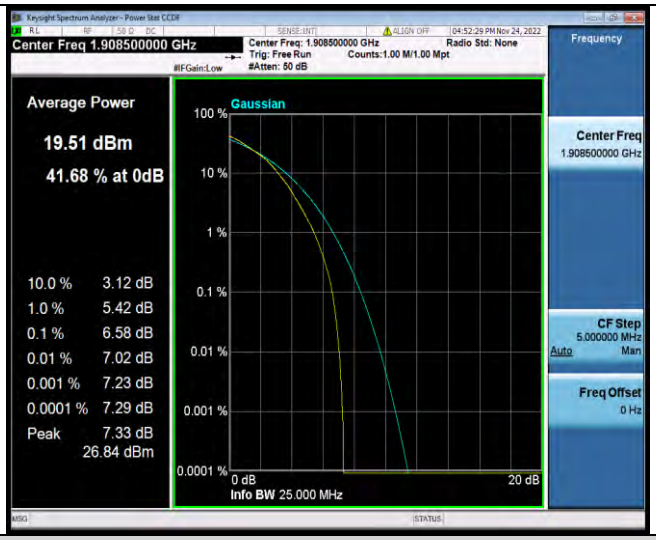

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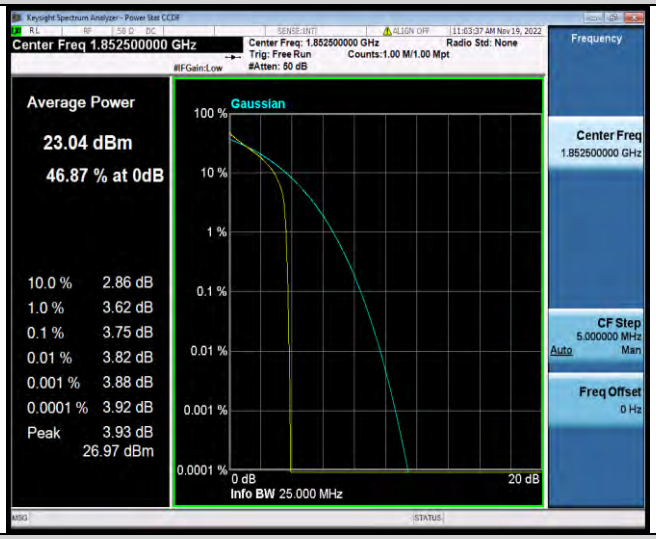

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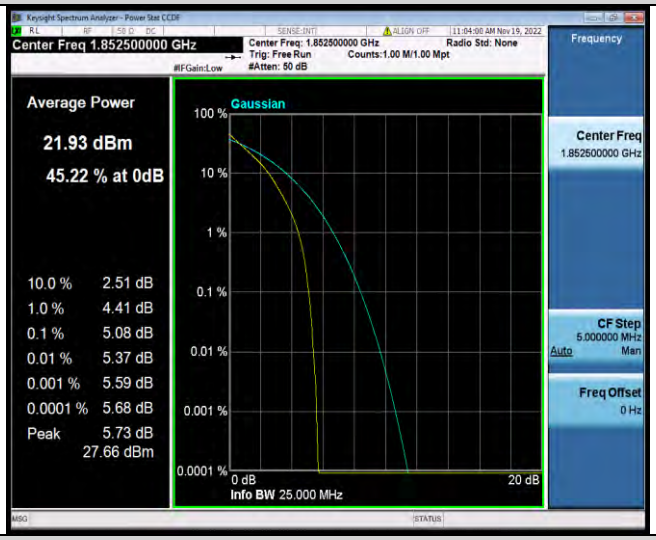

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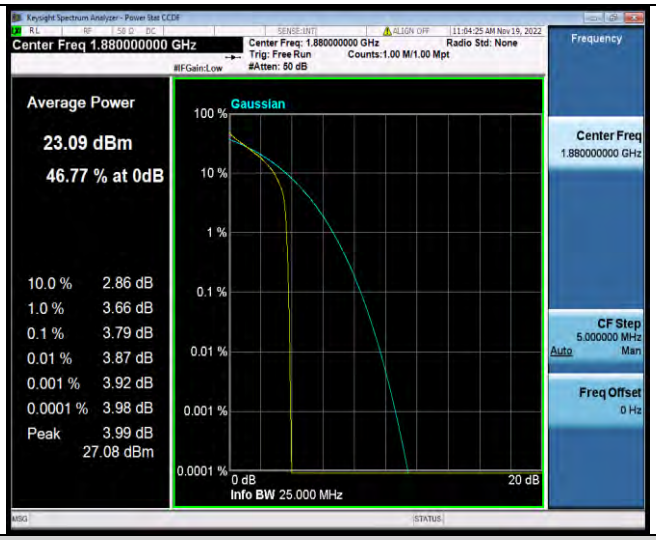

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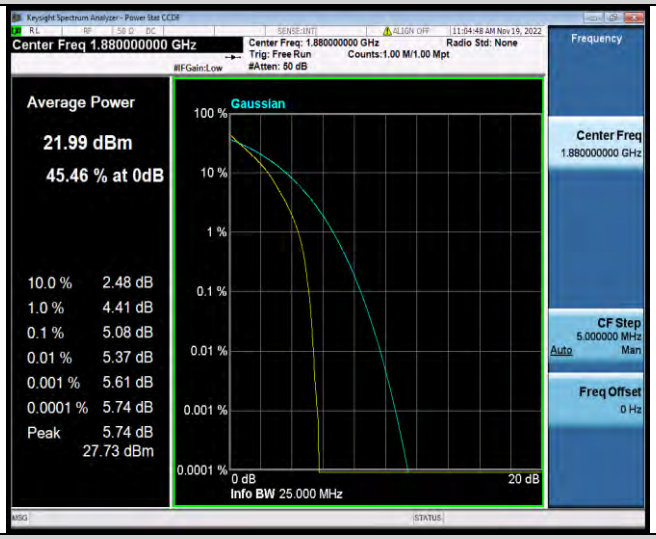

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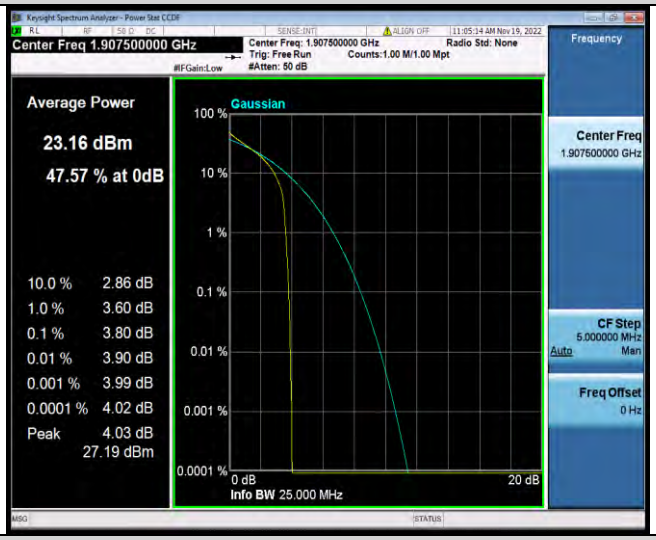

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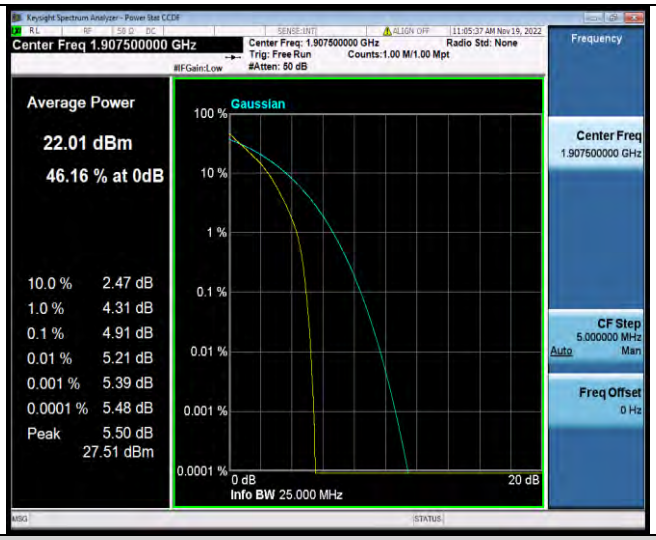

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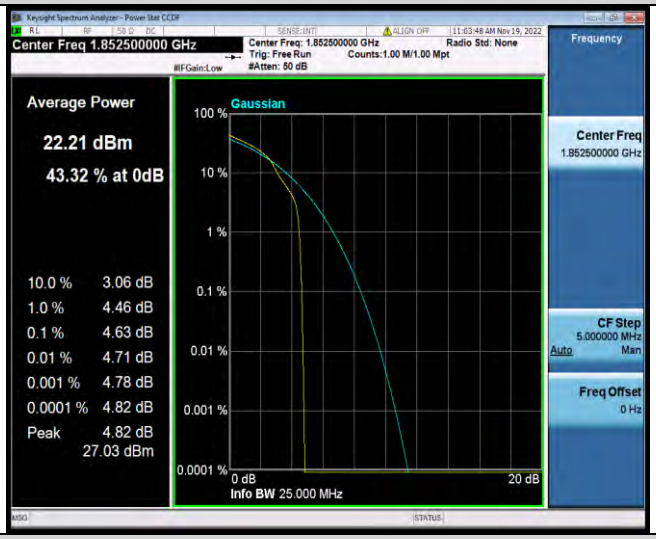

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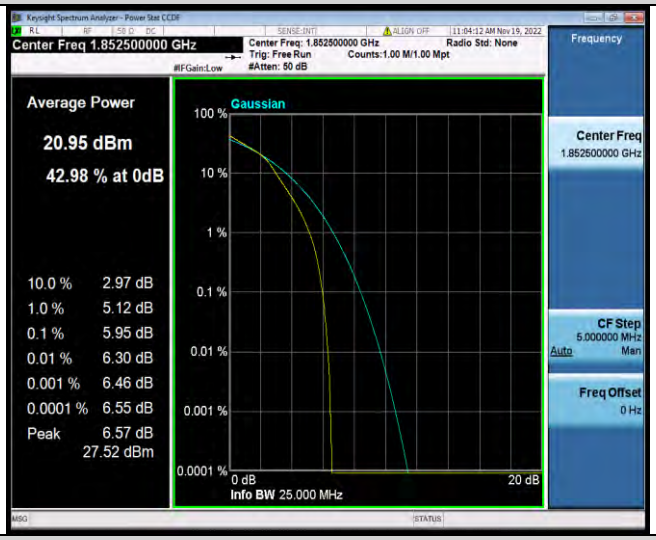

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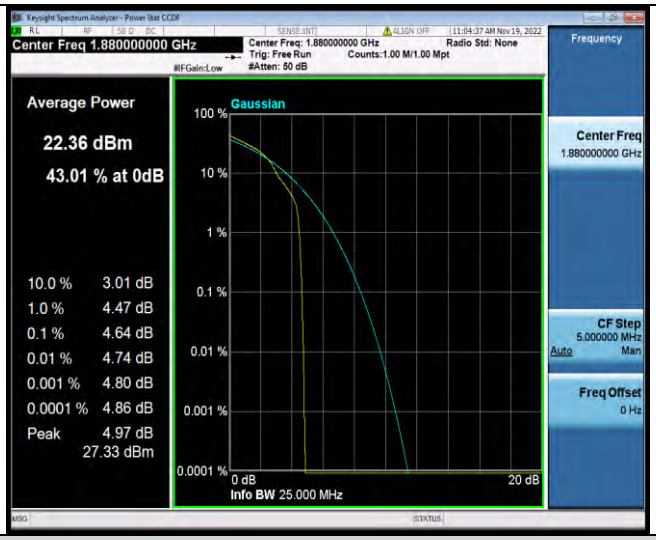

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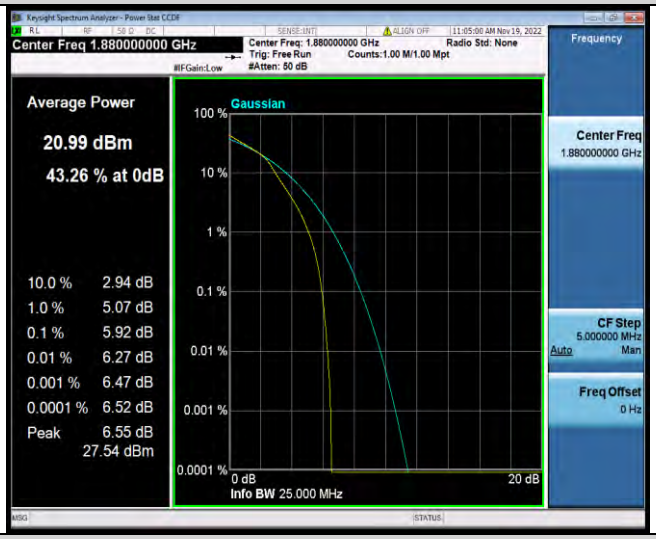

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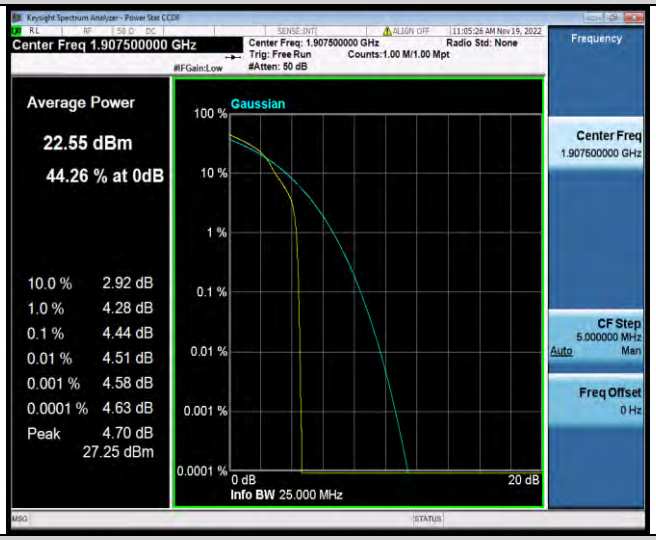

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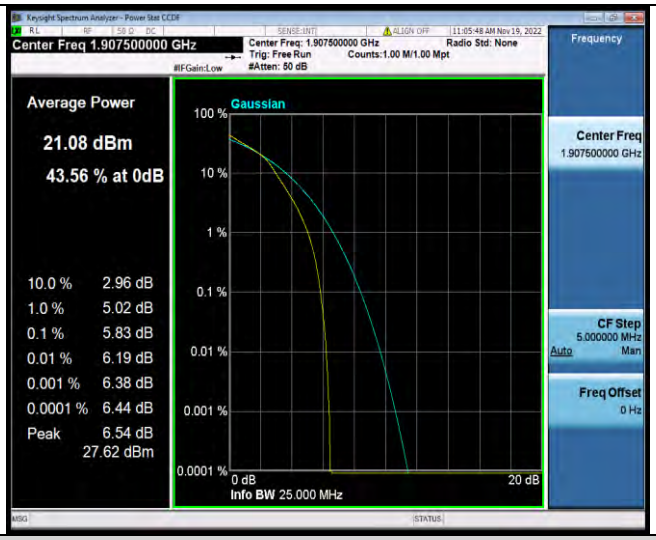

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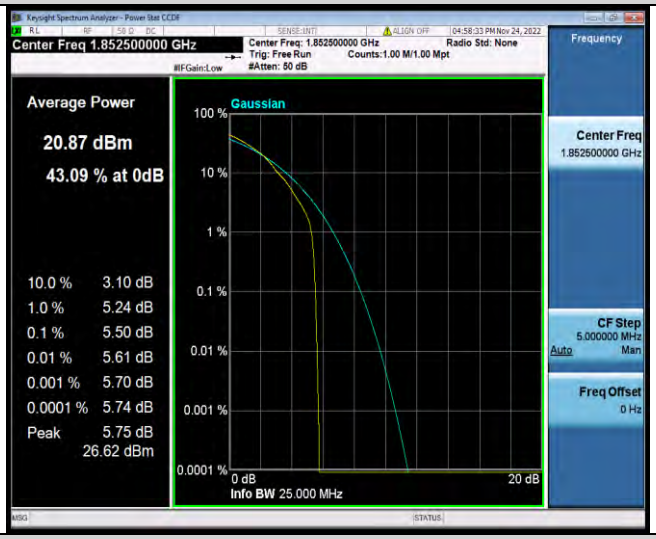

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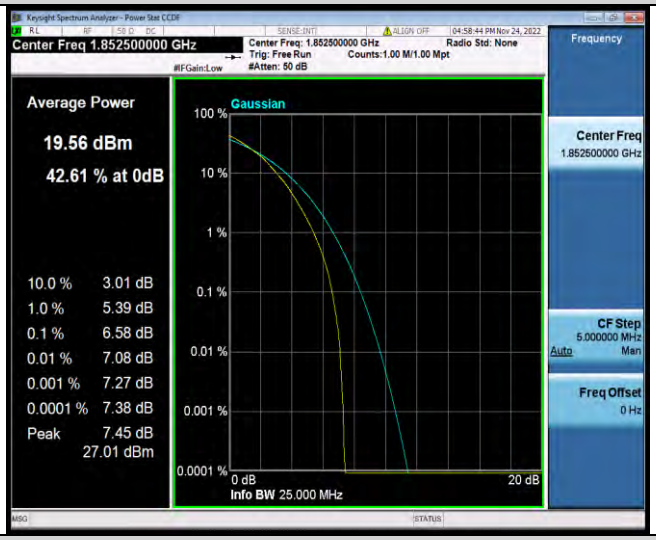

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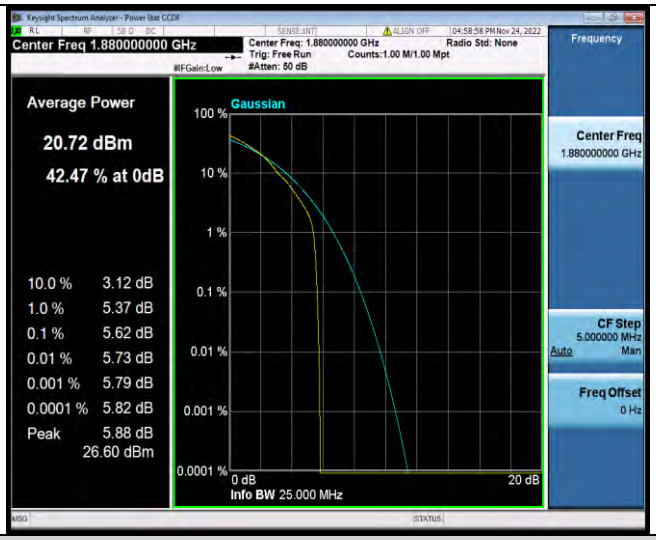

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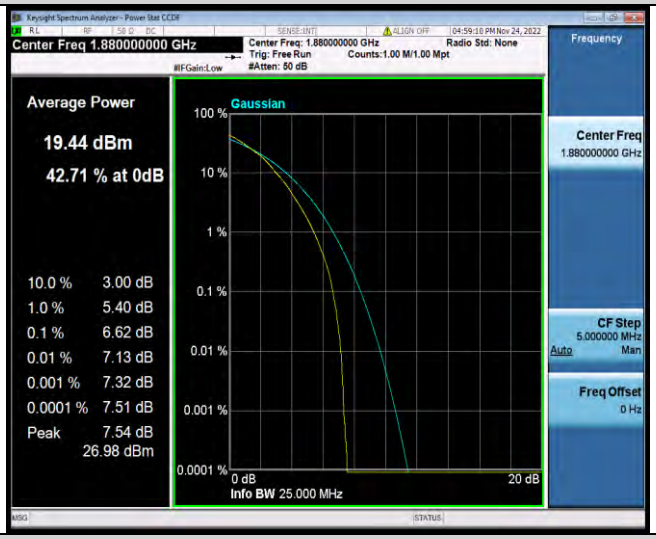

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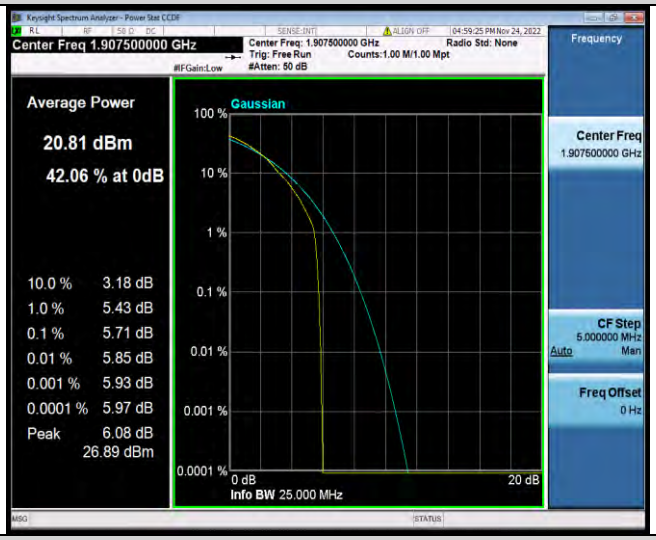

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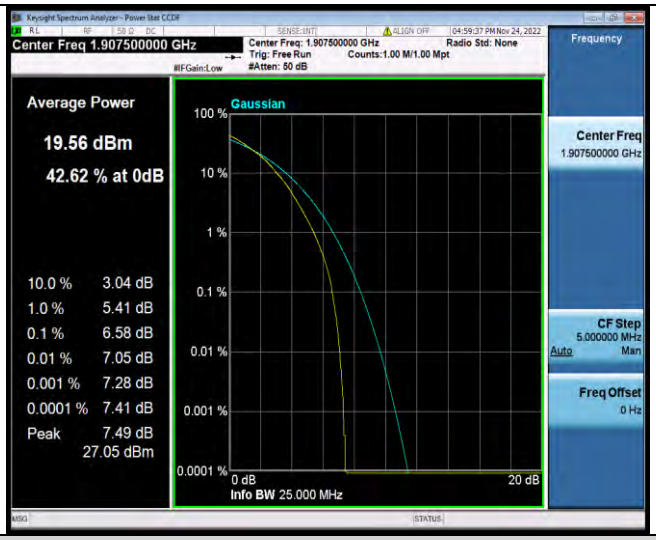

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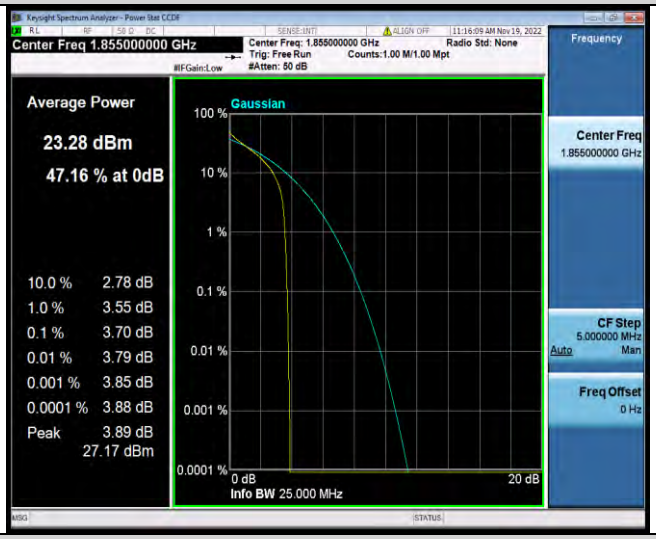

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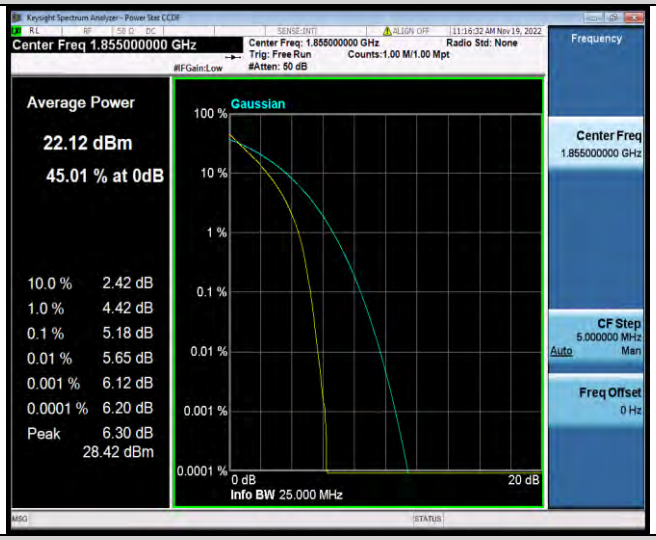

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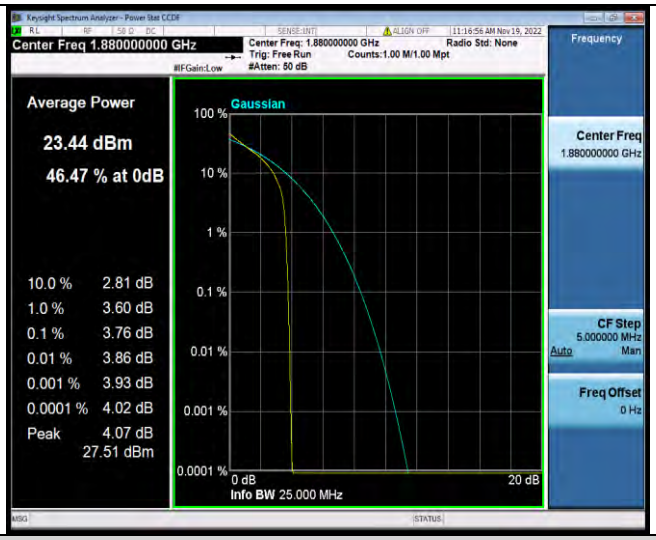

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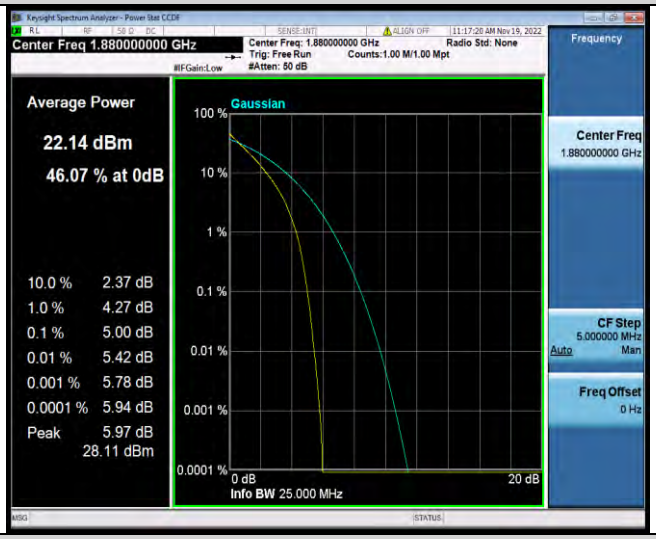

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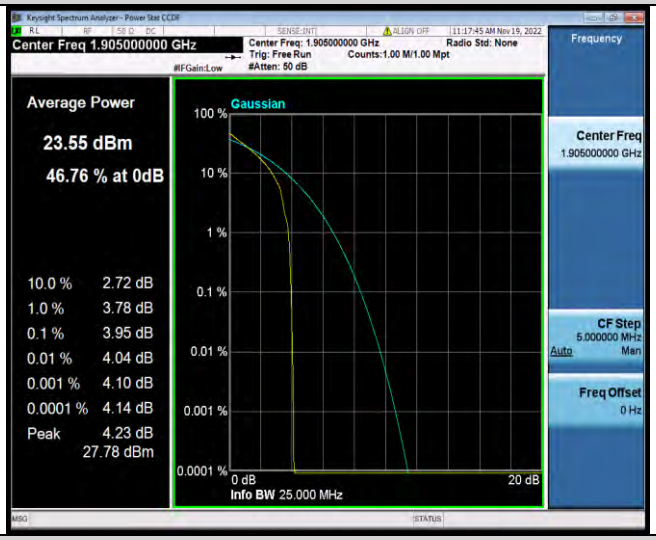

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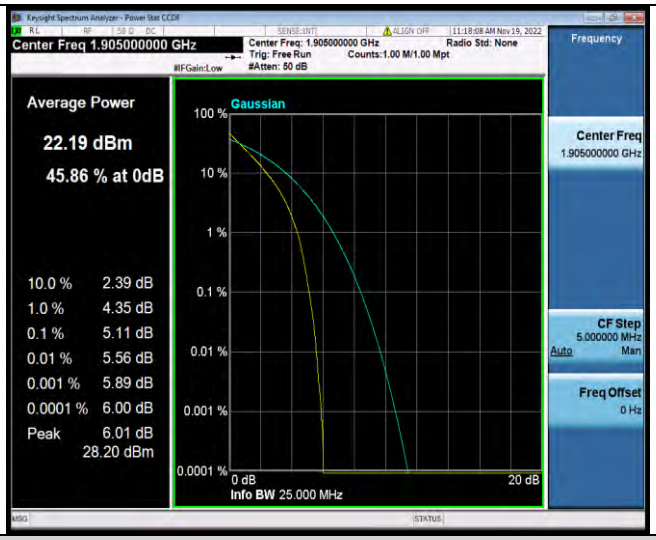

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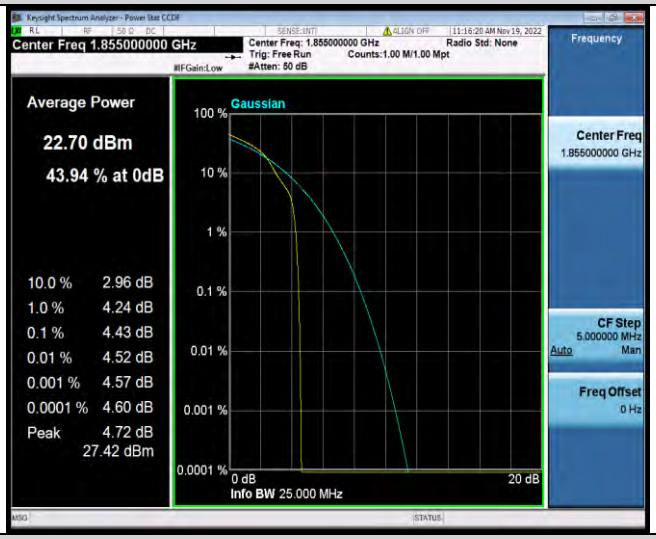

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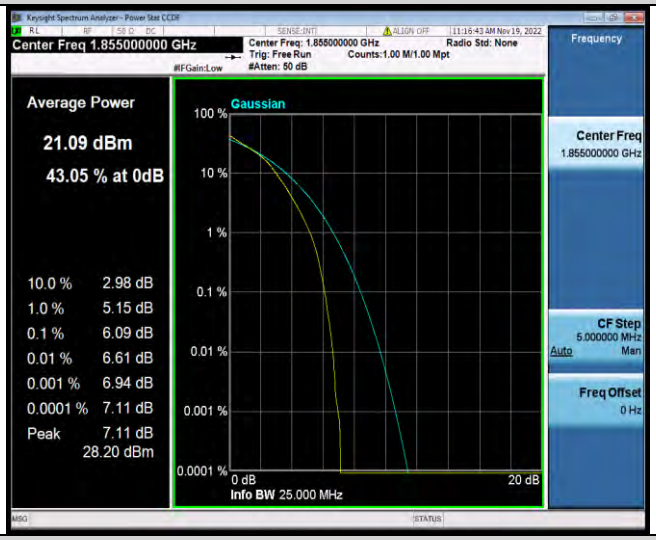

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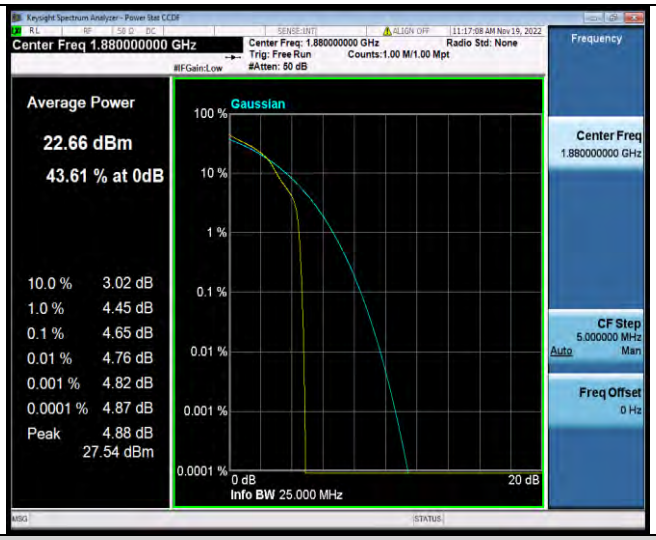

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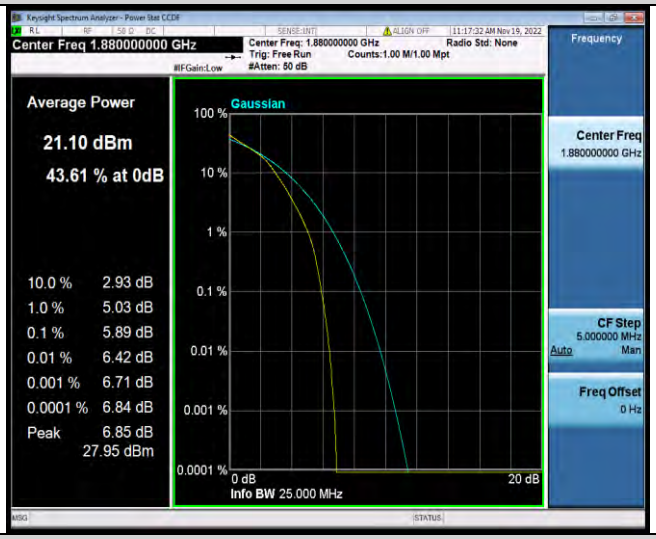

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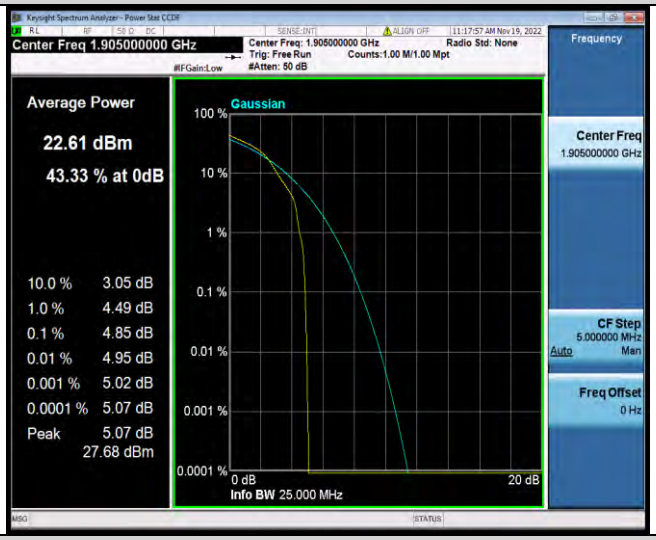

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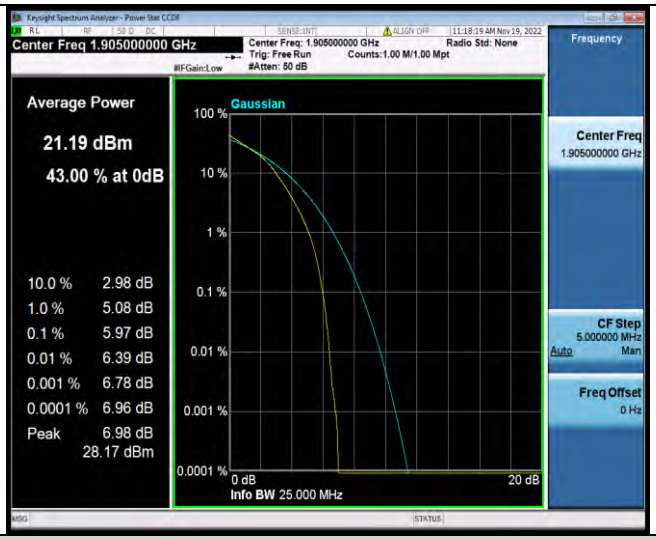

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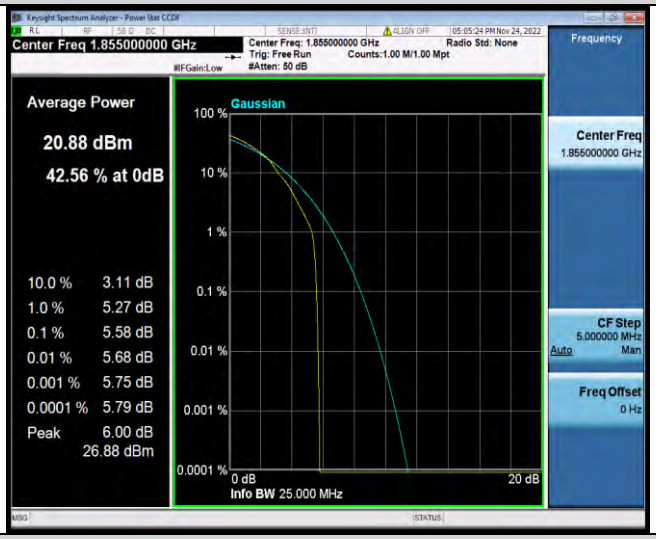

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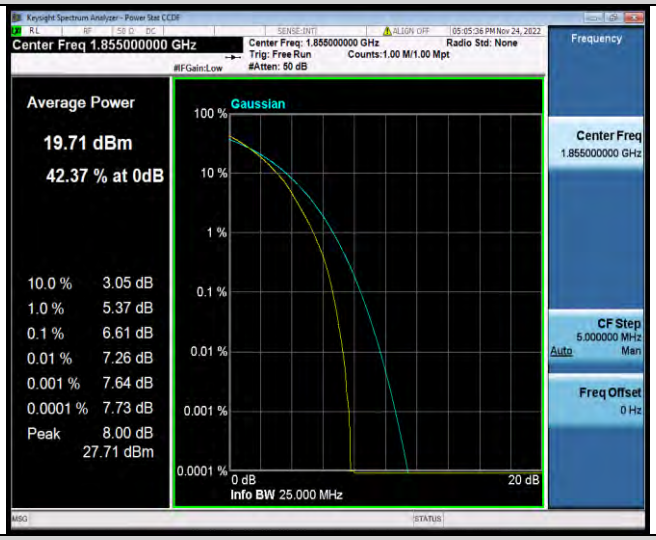
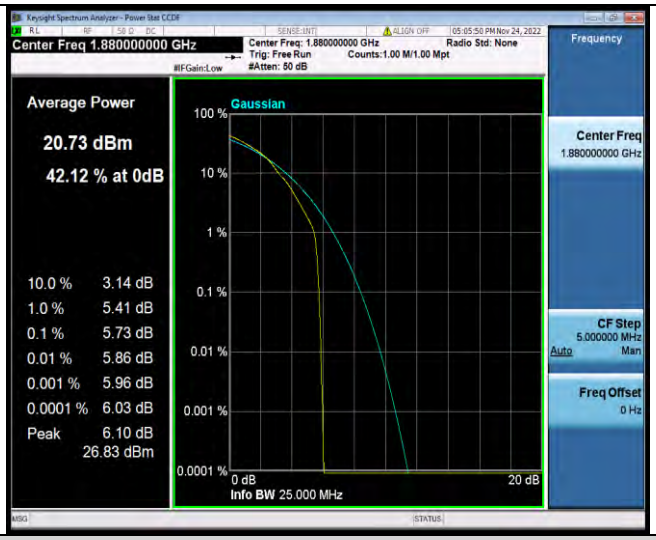


Band2-10MHz-64QAM-18900-1RB#0



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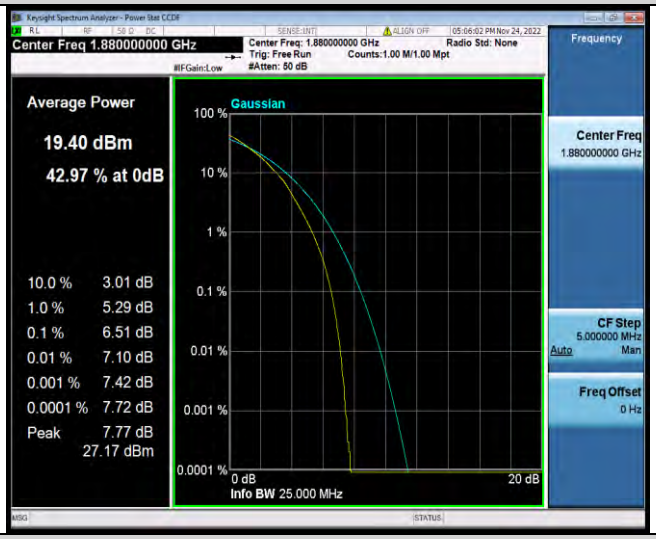

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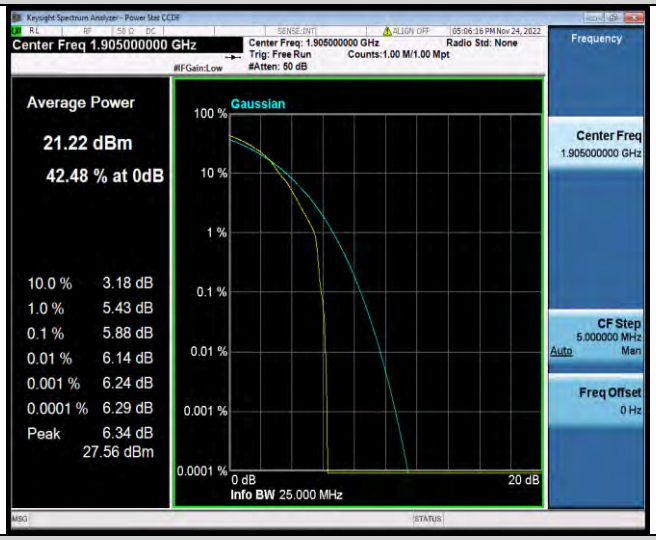

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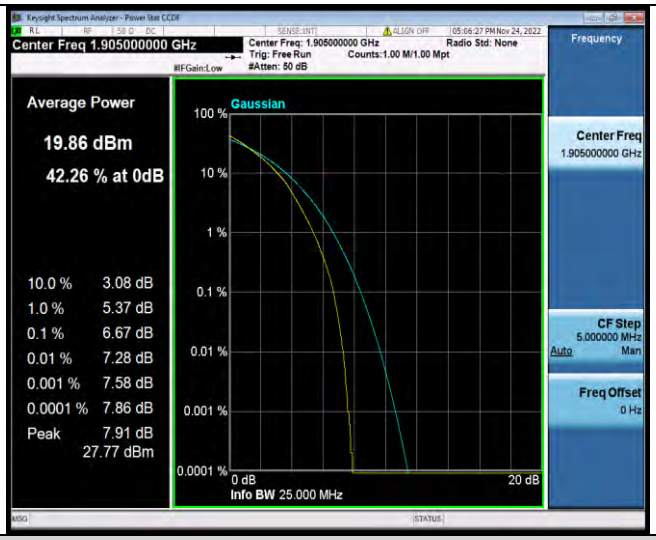
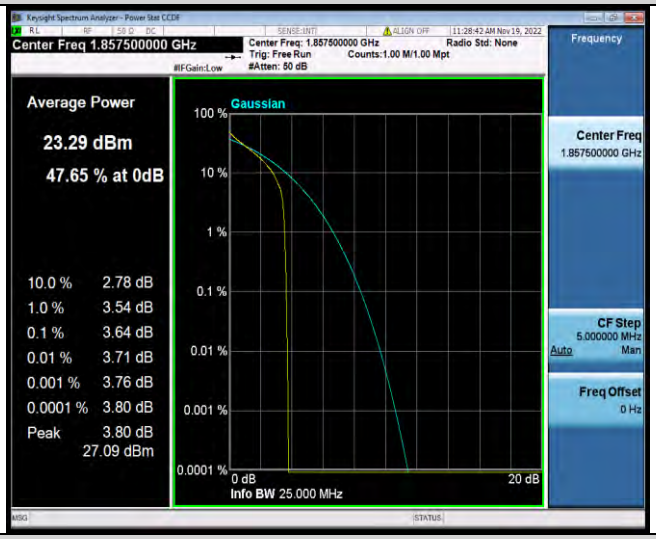


Band2-15MHz-QPSK-18675-1RB#0



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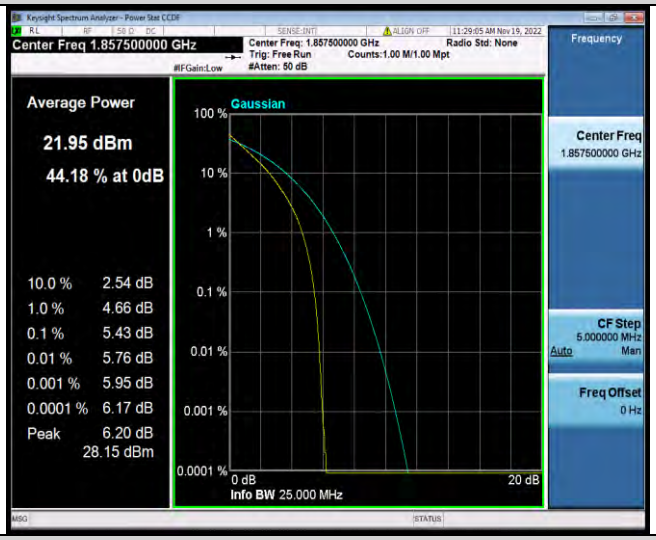

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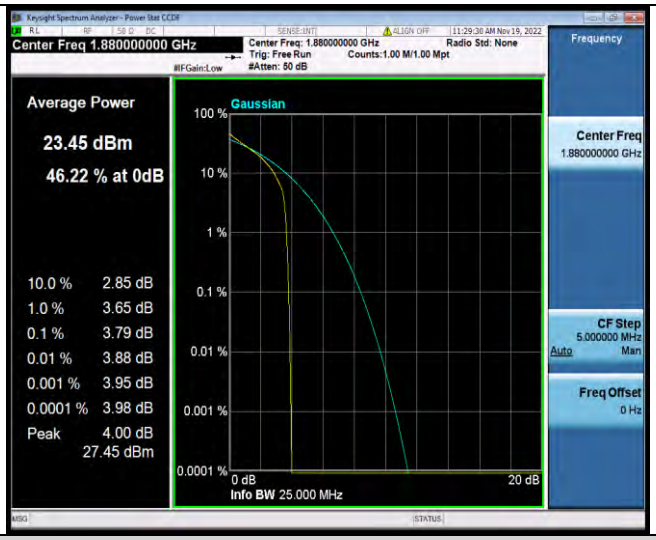

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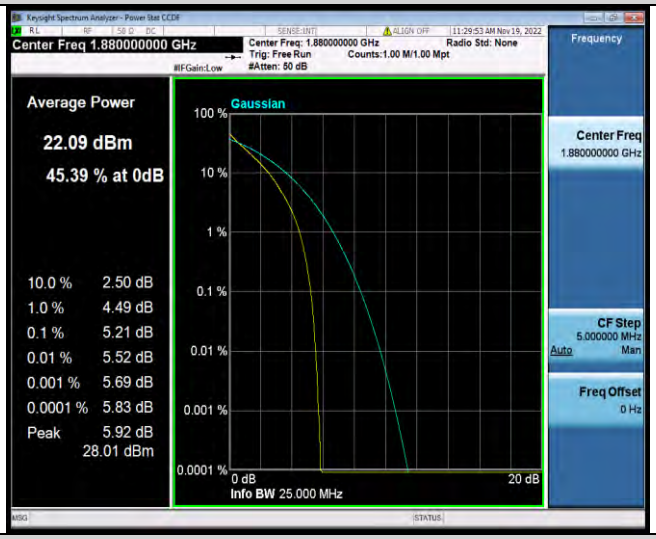

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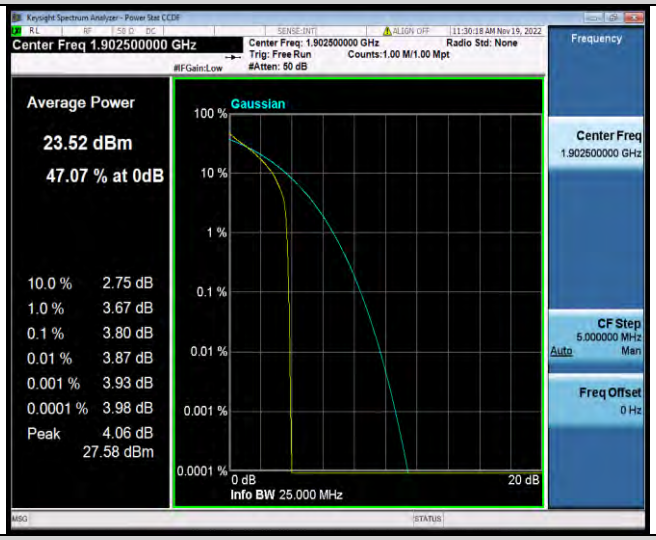

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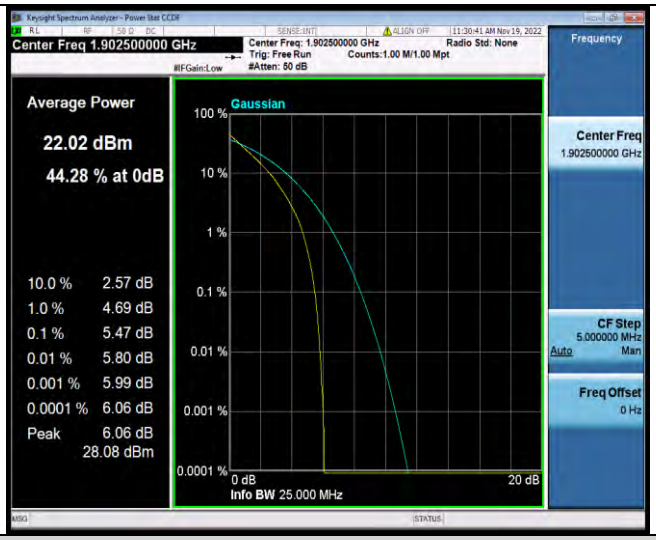

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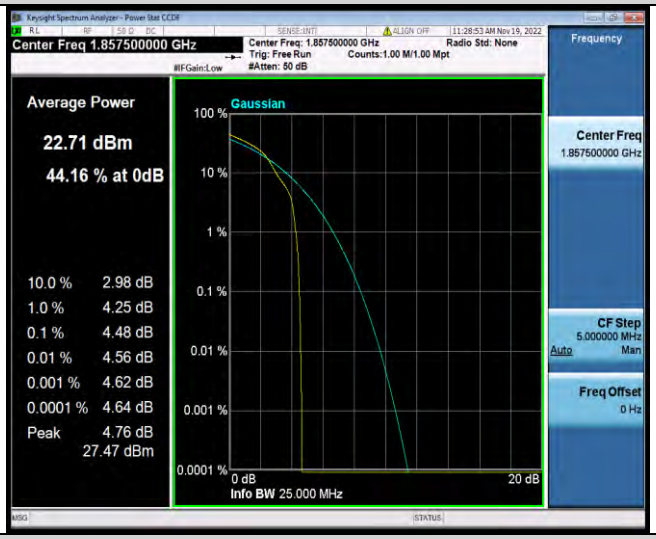

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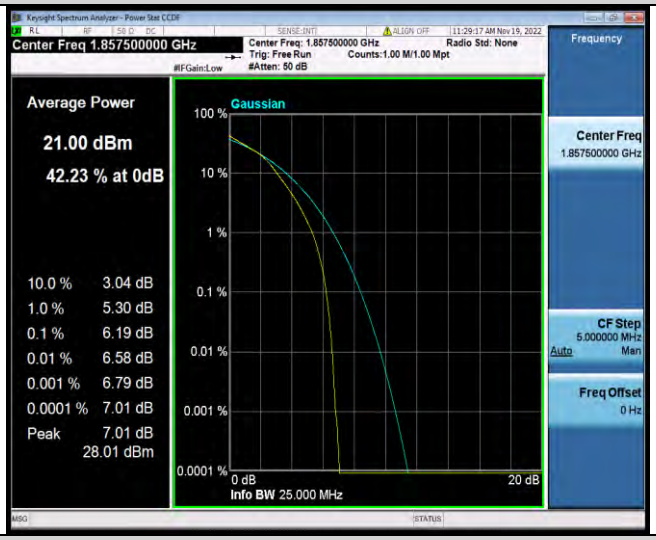

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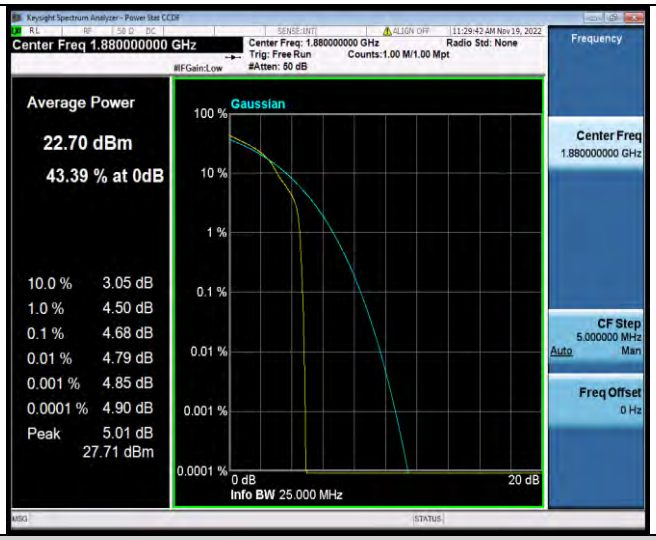

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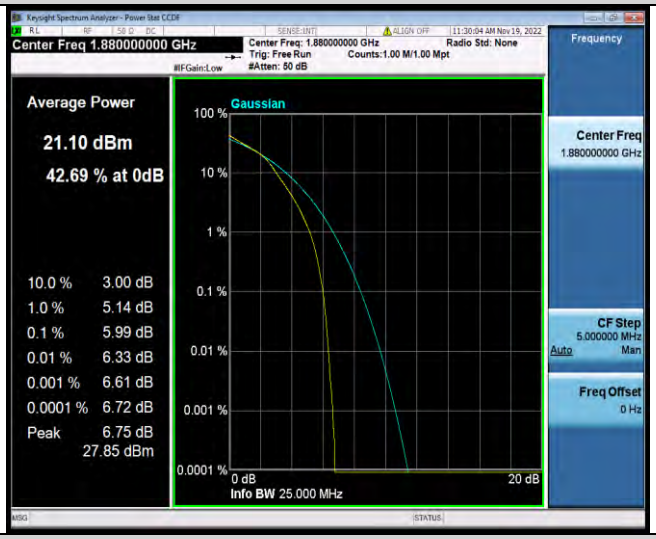

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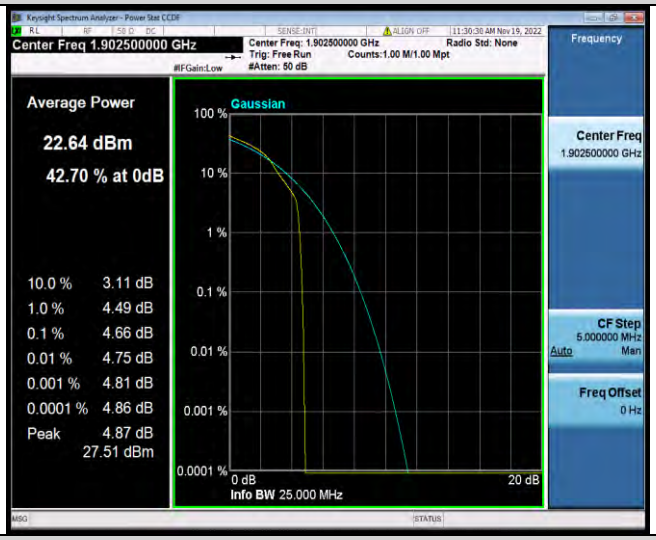

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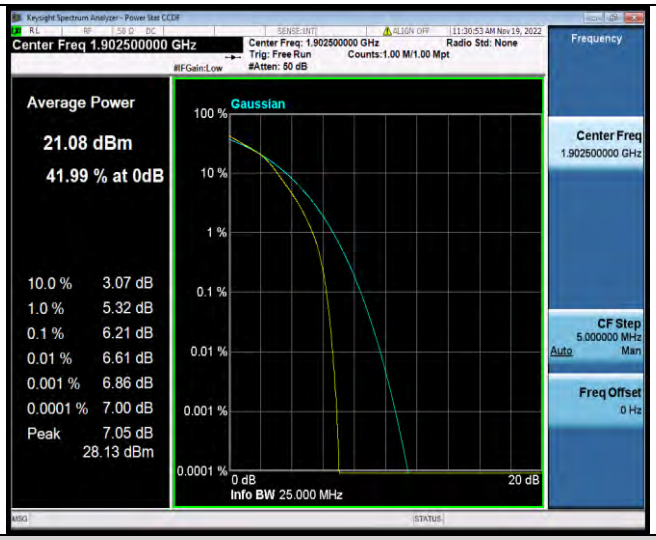

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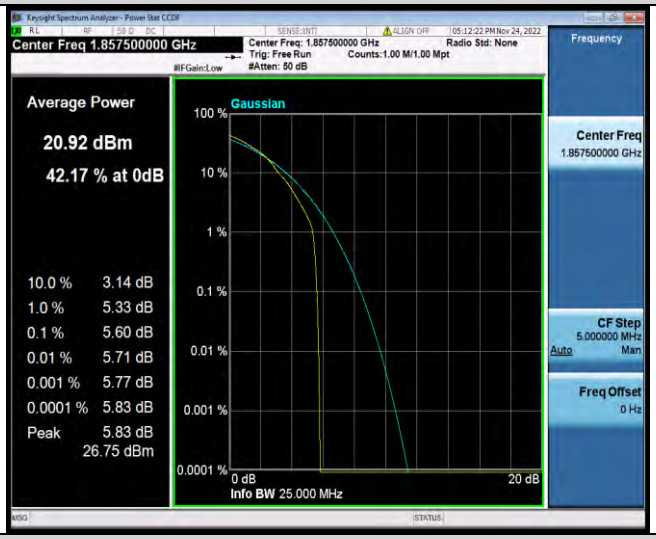

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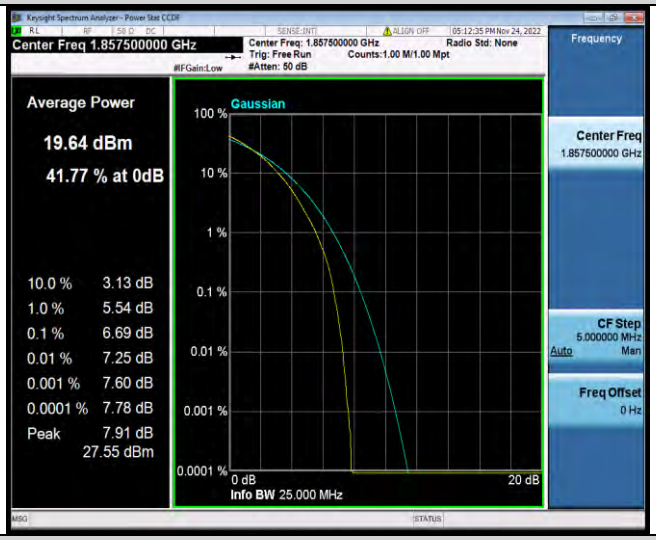

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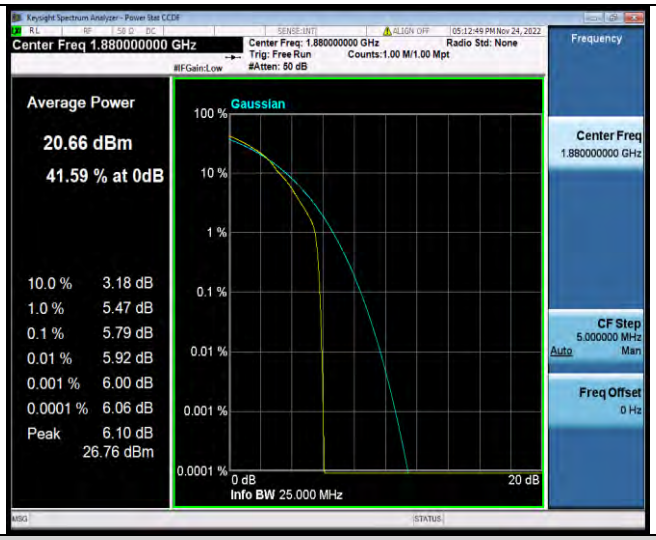

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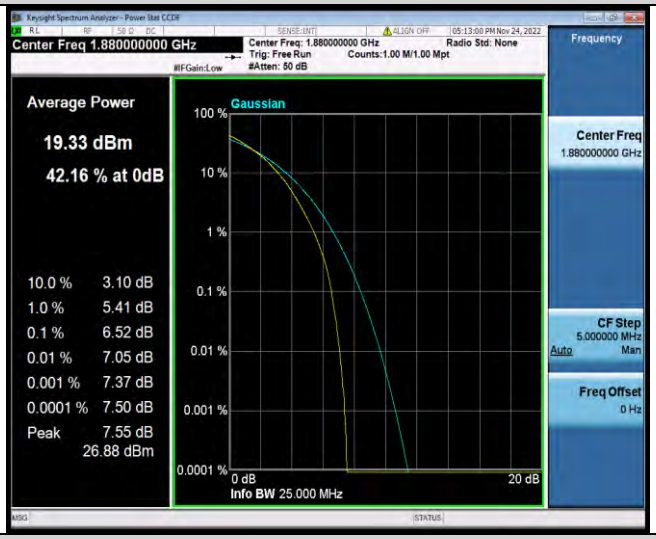

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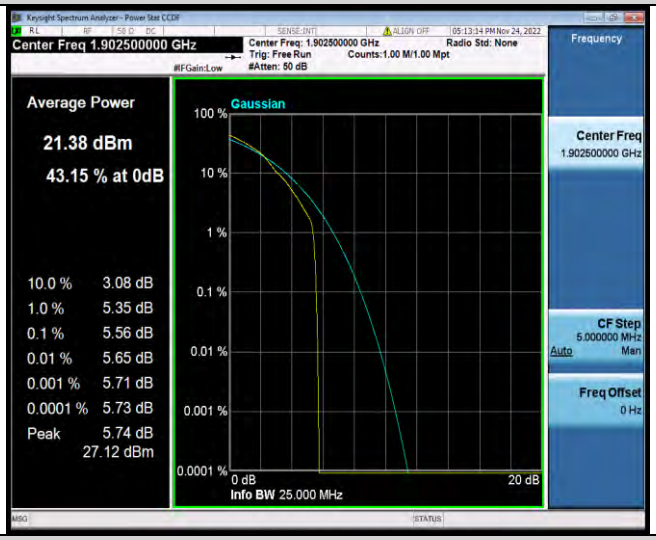
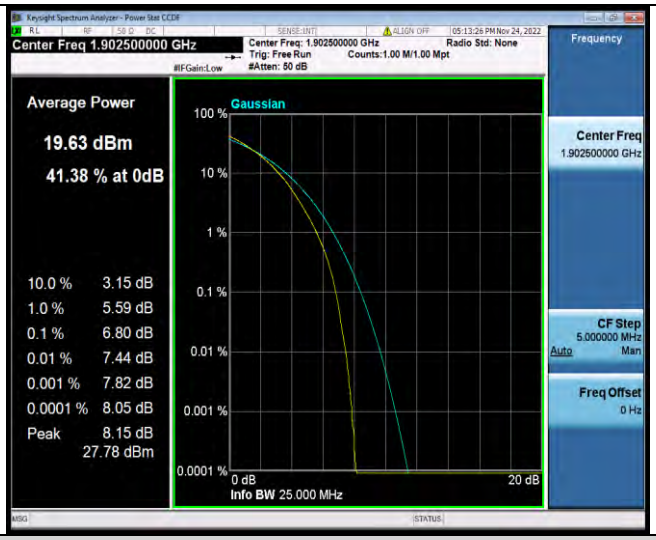


Band2-15MHz-64QAM-19125-75RB#0



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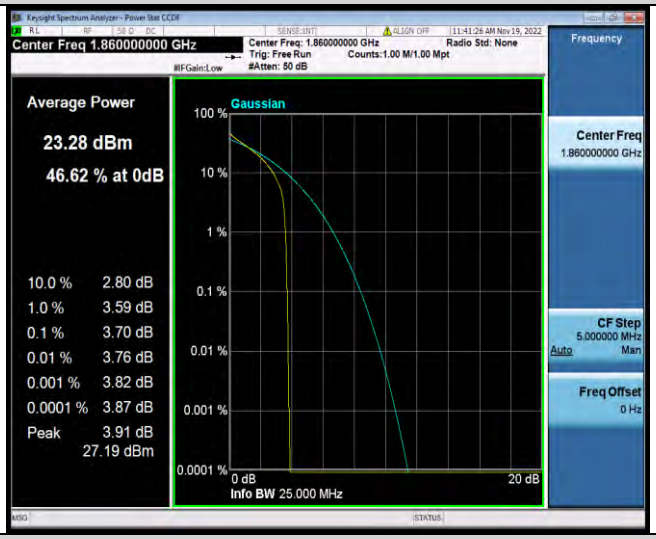

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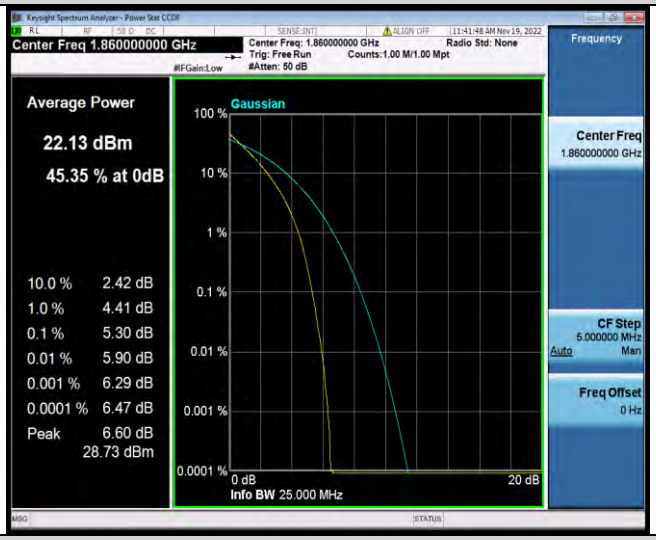

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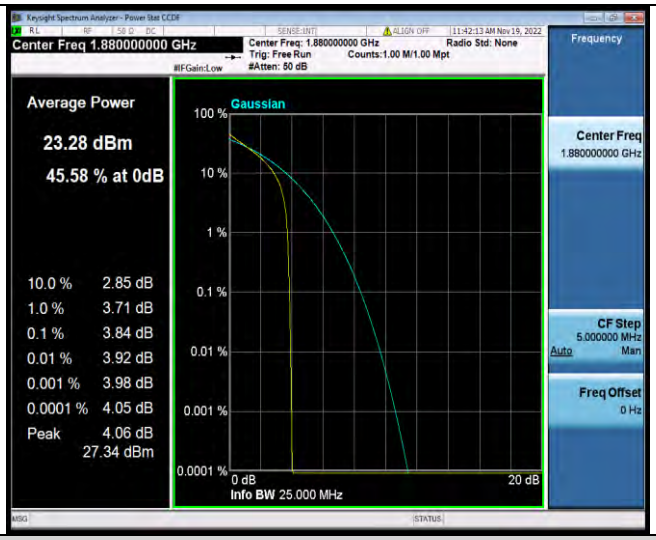

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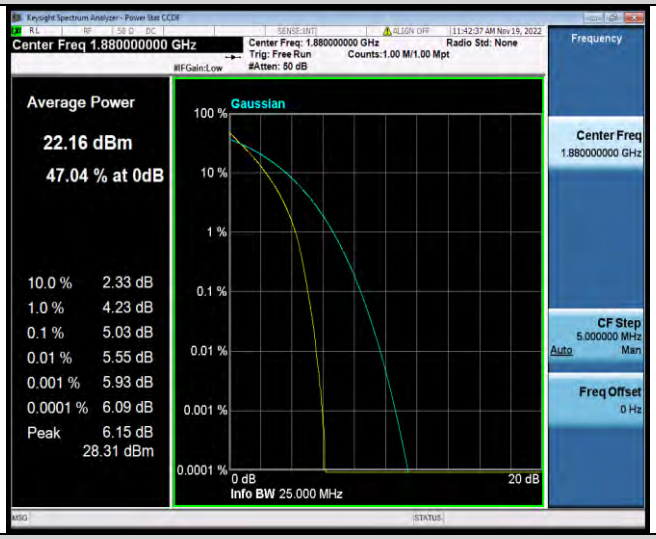

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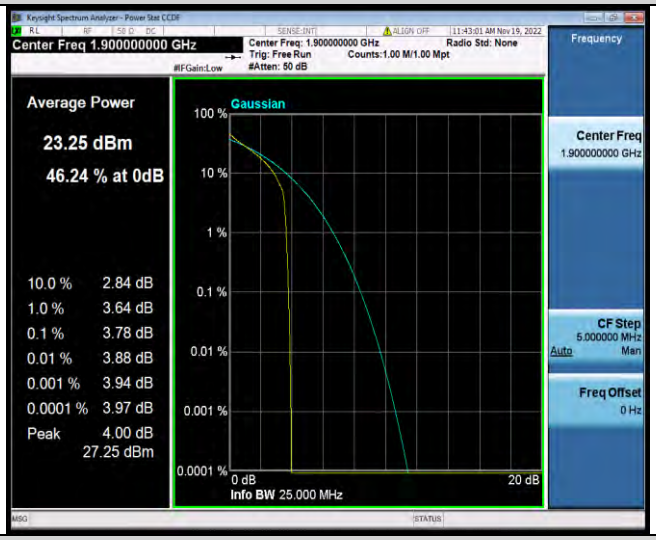

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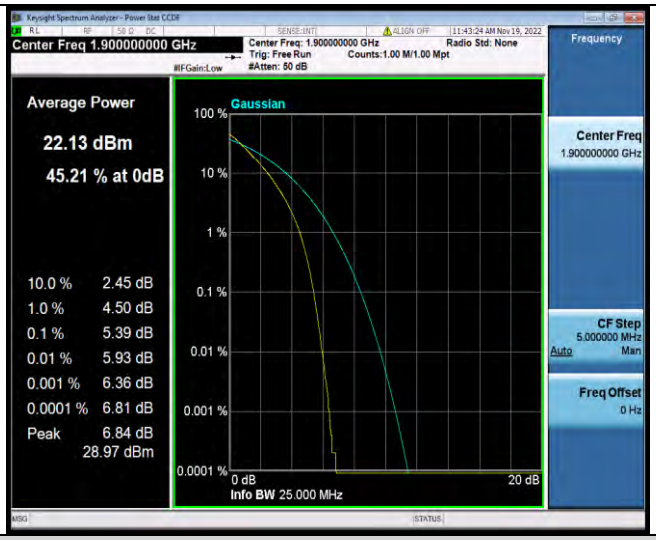

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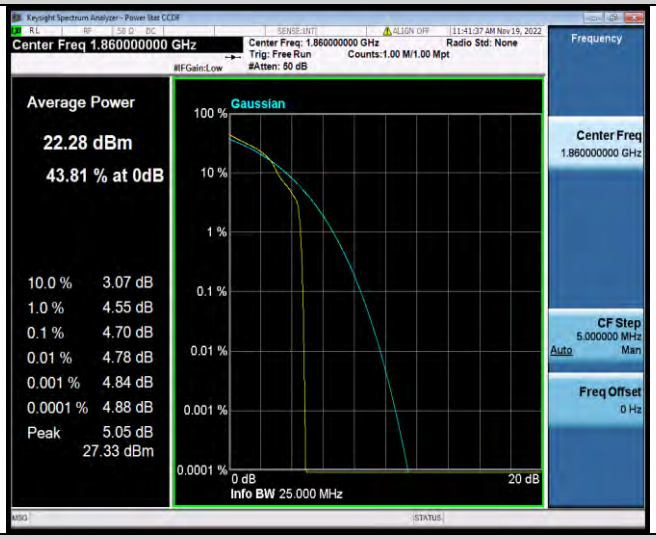

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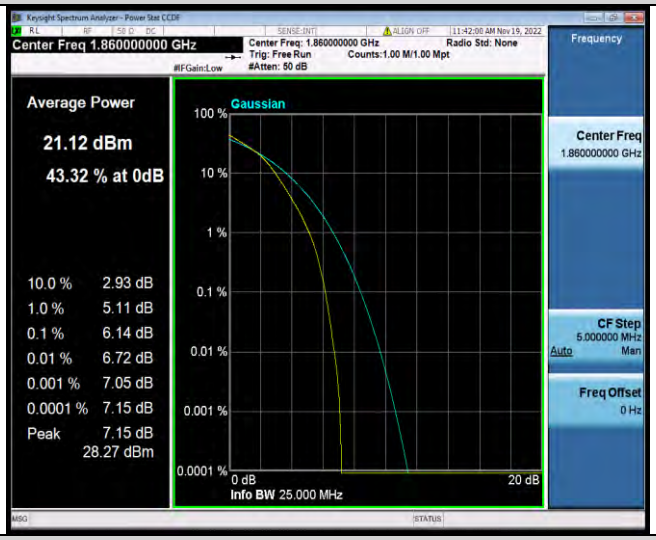

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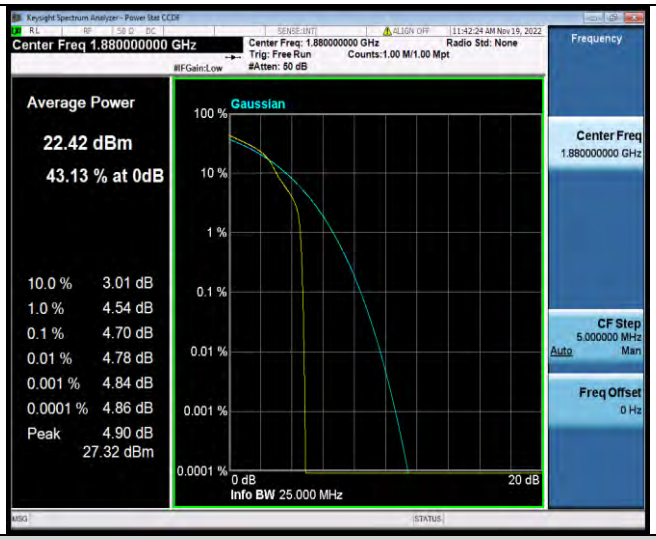

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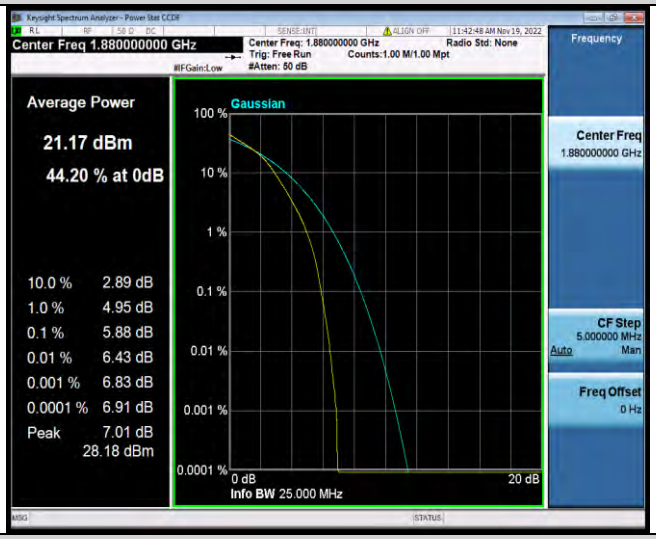

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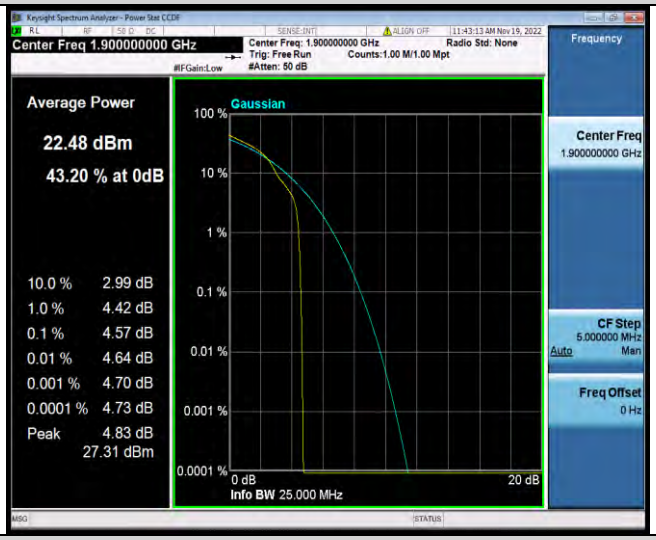

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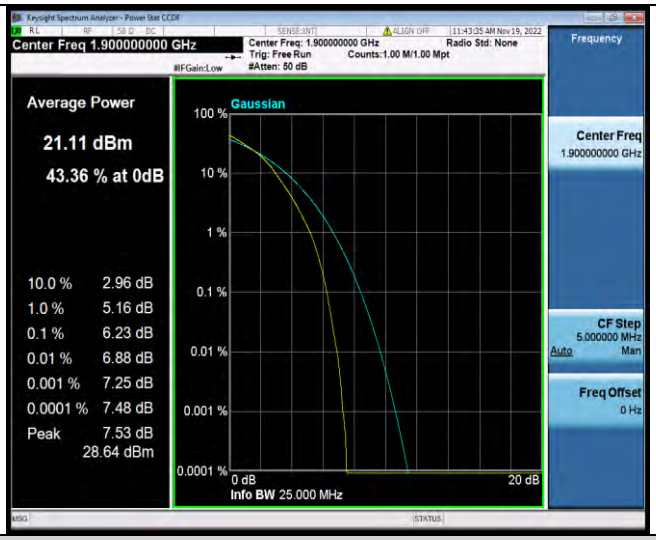

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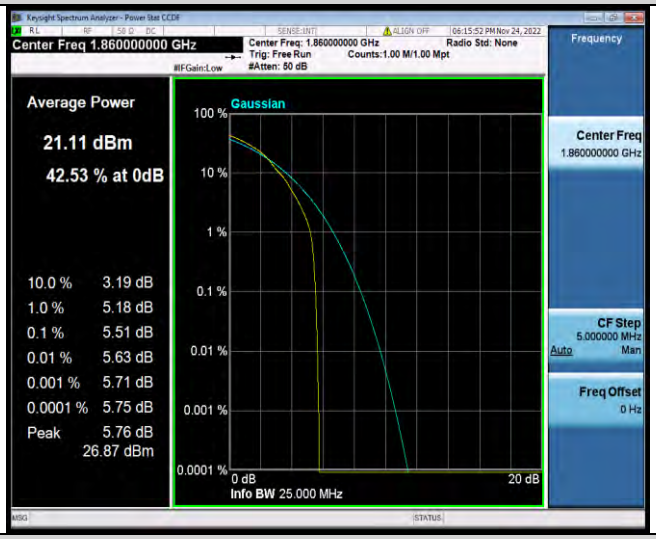

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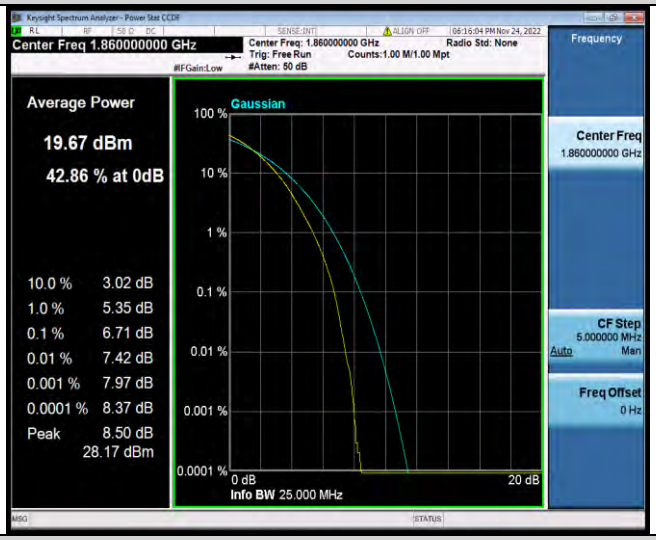

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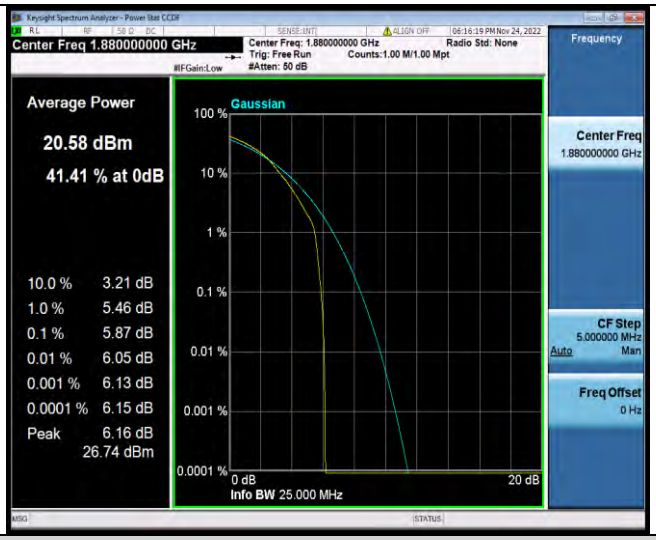

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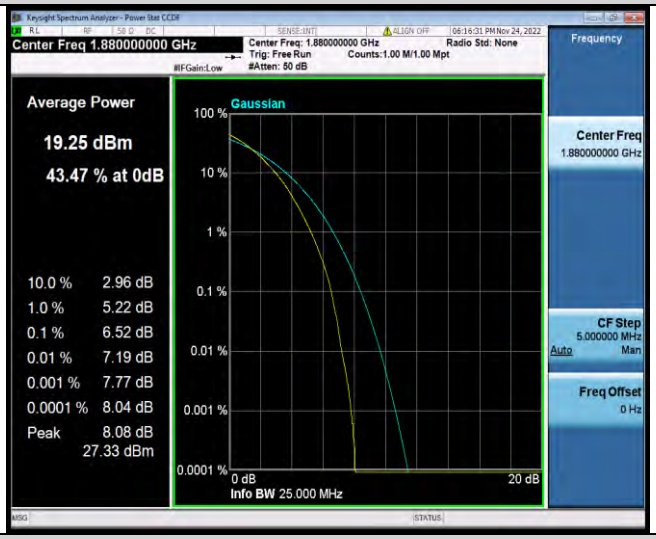

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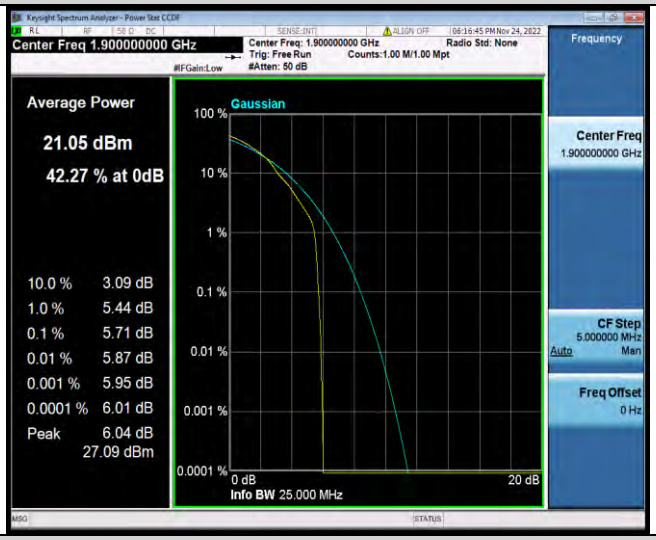
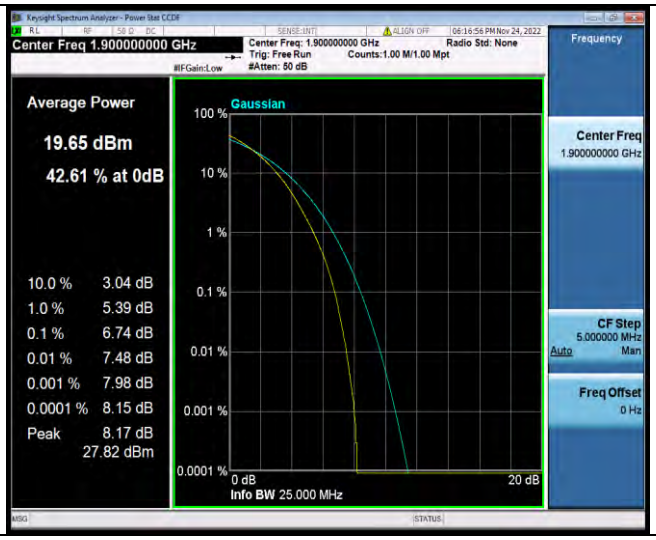


Band2-20MHz-64QAM-19100-100RB#0


Keysight Spectrum Analyzer - Power Stat CCDF
Center Freq 1.900000000 GHz
Center Freq: 1.900000000 GHz
Trig: Free Run
Counts:1.00 M/1.00 Mpt
#Atten: 50 dB
Radio Std: None
Frequency
Average Power
19.65 dBm
42.61 % at 0dB
10.0 % 3.04 dB
1.0 % 5.39 dB
0.1 % 6.74 dB
0.01 % 7.48 dB
0.001 % 7.98 dB
0.0001 % 8.15 dB
Peak 8.17 dB
27.82 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

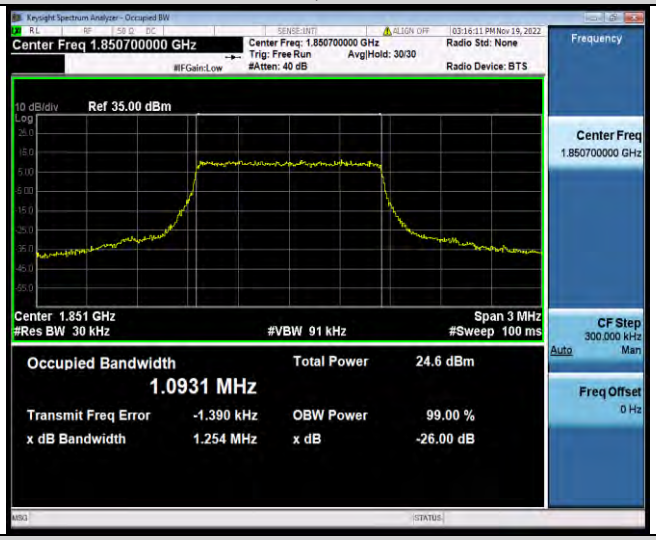
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band2	1.4MHz	QPSK	18607	6RB#0	1.0931	1.254	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	1.0925	1.249	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	1.0908	1.242	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	1.0868	1.271	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	1.0877	1.263	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	1.0925	1.263	PASS
Band2	1.4MHz	64QAM	18607	6RB#0	1.0910	1.237	PASS
Band2	1.4MHz	64QAM	18900	6RB#0	1.0888	1.254	PASS
Band2	1.4MHz	64QAM	19193	6RB#0	1.0959	1.270	PASS
Band2	3MHz	QPSK	18615	15RB#0	2.6943	2.919	PASS
Band2	3MHz	QPSK	18900	15RB#0	2.6994	2.901	PASS
Band2	3MHz	QPSK	19185	15RB#0	2.6958	2.926	PASS
Band2	3MHz	16QAM	18615	15RB#0	2.6900	2.939	PASS
Band2	3MHz	16QAM	18900	15RB#0	2.6902	2.934	PASS
Band2	3MHz	16QAM	19185	15RB#0	2.6902	2.911	PASS
Band2	3MHz	64QAM	18615	15RB#0	2.6981	2.917	PASS
Band2	3MHz	64QAM	18900	15RB#0	2.6950	2.917	PASS
Band2	3MHz	64QAM	19185	15RB#0	2.6973	2.908	PASS
Band2	5MHz	QPSK	18625	25RB#0	4.4997	4.880	PASS
Band2	5MHz	QPSK	18900	25RB#0	4.5020	4.868	PASS
Band2	5MHz	QPSK	19175	25RB#0	4.4948	4.863	PASS
Band2	5MHz	16QAM	18625	25RB#0	4.5042	4.879	PASS
Band2	5MHz	16QAM	18900	25RB#0	4.5026	4.894	PASS
Band2	5MHz	16QAM	19175	25RB#0	4.5003	4.894	PASS
Band2	5MHz	64QAM	18625	25RB#0	4.4946	4.880	PASS
Band2	5MHz	64QAM	18900	25RB#0	4.4969	4.877	PASS
Band2	5MHz	64QAM	19175	25RB#0	4.4974	4.884	PASS
Band2	10MHz	QPSK	18650	50RB#0	8.9749	9.552	PASS
Band2	10MHz	QPSK	18900	50RB#0	8.9666	9.558	PASS
Band2	10MHz	QPSK	19150	50RB#0	8.9806	9.575	PASS
Band2	10MHz	16QAM	18650	50RB#0	8.9555	9.525	PASS
Band2	10MHz	16QAM	18900	50RB#0	8.9528	9.544	PASS
Band2	10MHz	16QAM	19150	50RB#0	8.9739	9.556	PASS
Band2	10MHz	64QAM	18650	50RB#0	8.9615	9.550	PASS
Band2	10MHz	64QAM	18900	50RB#0	8.9535	9.511	PASS
Band2	10MHz	64QAM	19150	50RB#0	8.9897	9.540	PASS
Band2	15MHz	QPSK	18675	75RB#0	13.480	14.26	PASS
Band2	15MHz	QPSK	18900	75RB#0	13.446	14.29	PASS
Band2	15MHz	QPSK	19125	75RB#0	13.478	14.28	PASS
Band2	15MHz	16QAM	18675	75RB#0	13.468	14.26	PASS
Band2	15MHz	16QAM	18900	75RB#0	13.434	14.28	PASS

Band2	15MHz	16QAM	19125	75RB#0	13.467	14.26	PASS
Band2	15MHz	64QAM	18675	75RB#0	13.458	14.25	PASS
Band2	15MHz	64QAM	18900	75RB#0	13.439	14.27	PASS
Band2	15MHz	64QAM	19125	75RB#0	13.481	14.30	PASS
Band2	20MHz	QPSK	18700	100RB#0	17.964	18.96	PASS
Band2	20MHz	QPSK	18900	100RB#0	17.890	18.95	PASS
Band2	20MHz	QPSK	19100	100RB#0	18.002	18.99	PASS
Band2	20MHz	16QAM	18700	100RB#0	17.945	18.97	PASS
Band2	20MHz	16QAM	18900	100RB#0	17.900	19.00	PASS
Band2	20MHz	16QAM	19100	100RB#0	18.003	19.00	PASS
Band2	20MHz	64QAM	18700	100RB#0	17.944	18.96	PASS
Band2	20MHz	64QAM	18900	100RB#0	17.899	18.94	PASS
Band2	20MHz	64QAM	19100	100RB#0	18.000	18.99	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

Band2-1.4MHz-64QAM-18607-6RB#0

Band2-1.4MHz-64QAM-18900-6RB#0

Band2-1.4MHz-64QAM-19193-6RB#0

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

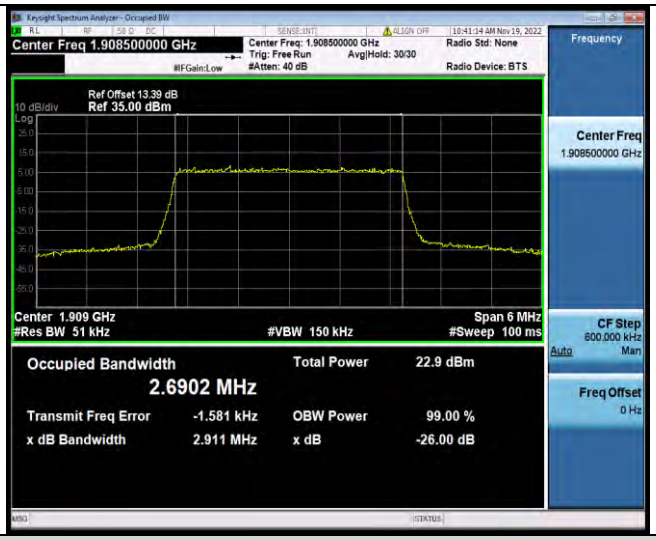
Band2-3MHz-QPSK-18900-15RB#0

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

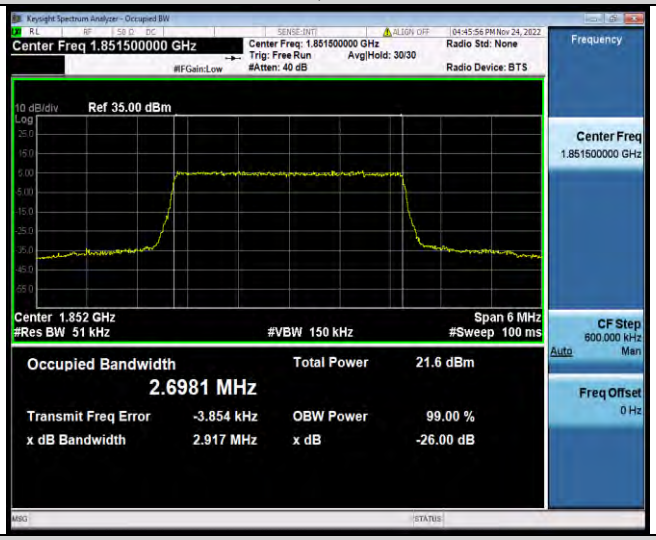
Band2-3MHz-16QAM-18615-15RB#0

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

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

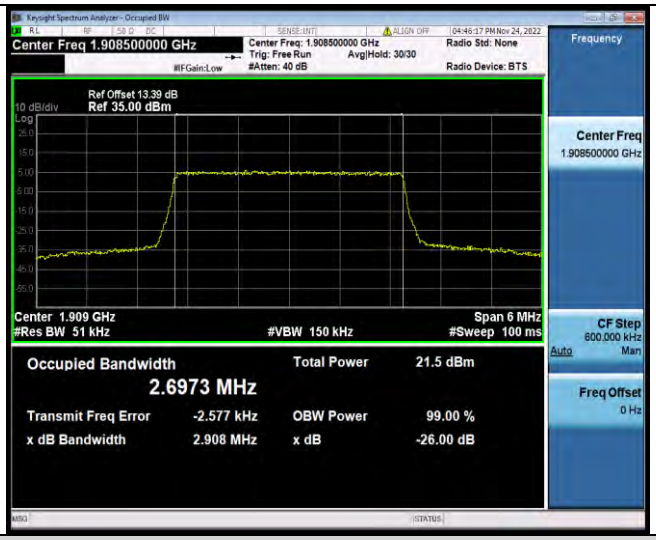


Band2-3MHz-64QAM-18615-15RB#0



Band2-3MHz-64QAM-18900-15RB#0

Band2-3MHz-64QAM-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

Band2-5MHz-64QAM-18625-25RB#0

Band2-5MHz-64QAM-18900-25RB#0

Band2-5MHz-64QAM-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

Band2-10MHz-64QAM-18650-50RB#0

Band2-10MHz-64QAM-18900-50RB#0

Band2-10MHz-64QAM-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

Band2-15MHz-64QAM-18675-75RB#0

Band2-15MHz-64QAM-18900-75RB#0

Band2-15MHz-64QAM-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

Band2-20MHz-64QAM-18700-100RB#0

Band2-20MHz-64QAM-18900-100RB#0

Band2-20MHz-64QAM-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
18.000 MHz
Total Power
20.5 dBm
Transmit Freq Error
-29.405 kHz
OBW Power
99.00 %
x dB Bandwidth
18.99 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	-22.51	PASS
Band2	1.4MHz	QPSK	18607	6RB#0	-28.23	PASS
Band2	1.4MHz	QPSK	19193	1RB#5	-21.81	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	-27.33	PASS
Band2	1.4MHz	16QAM	18607	1RB#0	-22.88	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	-29.19	PASS
Band2	1.4MHz	16QAM	19193	1RB#5	-24.55	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	-28.04	PASS
Band2	1.4MHz	64QAM	18607	1RB#0	-25.36	PASS
Band2	1.4MHz	64QAM	18607	6RB#0	-29.76	PASS
Band2	1.4MHz	64QAM	19193	1RB#5	-23.49	PASS
Band2	1.4MHz	64QAM	19193	6RB#0	-28.96	PASS
Band2	3MHz	QPSK	18615	1RB#0	-19.79	PASS
Band2	3MHz	QPSK	18615	15RB#0	-26.38	PASS
Band2	3MHz	QPSK	19185	1RB#14	-17.74	PASS
Band2	3MHz	QPSK	19185	15RB#0	-26.37	PASS
Band2	3MHz	16QAM	18615	1RB#0	-20.77	PASS
Band2	3MHz	16QAM	18615	15RB#0	-27.98	PASS
Band2	3MHz	16QAM	19185	1RB#14	-18.95	PASS
Band2	3MHz	16QAM	19185	15RB#0	-28.25	PASS
Band2	3MHz	64QAM	18615	1RB#0	-20.99	PASS
Band2	3MHz	64QAM	18615	15RB#0	-27.99	PASS
Band2	3MHz	64QAM	19185	1RB#14	-21.47	PASS
Band2	3MHz	64QAM	19185	15RB#0	-28.62	PASS
Band2	5MHz	QPSK	18625	1RB#0	-18.57	PASS
Band2	5MHz	QPSK	18625	25RB#0	-26.19	PASS
Band2	5MHz	QPSK	19175	1RB#24	-17.92	PASS
Band2	5MHz	QPSK	19175	25RB#0	-26.66	PASS
Band2	5MHz	16QAM	18625	1RB#0	-19.59	PASS
Band2	5MHz	16QAM	18625	25RB#0	-27.44	PASS
Band2	5MHz	16QAM	19175	1RB#24	-19.68	PASS
Band2	5MHz	16QAM	19175	25RB#0	-27.95	PASS
Band2	5MHz	64QAM	18625	1RB#0	-19.47	PASS
Band2	5MHz	64QAM	18625	25RB#0	-27.64	PASS
Band2	5MHz	64QAM	19175	1RB#24	-19.80	PASS
Band2	5MHz	64QAM	19175	25RB#0	-28.07	PASS
Band2	10MHz	QPSK	18650	1RB#0	-26.18	PASS
Band2	10MHz	QPSK	18650	50RB#0	-28.50	PASS
Band2	10MHz	QPSK	19150	1RB#49	-25.48	PASS
Band2	10MHz	QPSK	19150	50RB#0	-28.14	PASS
Band2	10MHz	16QAM	18650	1RB#0	-26.81	PASS
Band2	10MHz	16QAM	18650	50RB#0	-29.81	PASS
Band2	10MHz	16QAM	19150	1RB#49	-25.45	PASS

Band2	10MHz	16QAM	19150	50RB#0	-29.51	PASS
Band2	10MHz	64QAM	18650	1RB#0	-26.38	PASS
Band2	10MHz	64QAM	18650	50RB#0	-30.74	PASS
Band2	10MHz	64QAM	19150	1RB#49	-26.68	PASS
Band2	10MHz	64QAM	19150	50RB#0	-30.68	PASS
Band2	15MHz	QPSK	18675	1RB#0	-24.26	PASS
Band2	15MHz	QPSK	18675	75RB#0	-29.90	PASS
Band2	15MHz	QPSK	19125	1RB#74	-24.54	PASS
Band2	15MHz	QPSK	19125	75RB#0	-28.70	PASS
Band2	15MHz	16QAM	18675	1RB#0	-24.85	PASS
Band2	15MHz	16QAM	18675	75RB#0	-31.07	PASS
Band2	15MHz	16QAM	19125	1RB#74	-24.82	PASS
Band2	15MHz	16QAM	19125	75RB#0	-30.32	PASS
Band2	15MHz	64QAM	18675	1RB#0	-24.15	PASS
Band2	15MHz	64QAM	18675	75RB#0	-32.01	PASS
Band2	15MHz	64QAM	19125	1RB#74	-25.32	PASS
Band2	15MHz	64QAM	19125	75RB#0	-31.42	PASS
Band2	20MHz	QPSK	18700	1RB#0	-27.41	PASS
Band2	20MHz	QPSK	18700	100RB#0	-31.50	PASS
Band2	20MHz	QPSK	19100	1RB#99	-26.74	PASS
Band2	20MHz	QPSK	19100	100RB#0	-30.11	PASS
Band2	20MHz	16QAM	18700	1RB#0	-27.10	PASS
Band2	20MHz	16QAM	18700	100RB#0	-32.28	PASS
Band2	20MHz	16QAM	19100	1RB#99	-27.15	PASS
Band2	20MHz	16QAM	19100	100RB#0	-31.39	PASS
Band2	20MHz	64QAM	18700	1RB#0	-26.34	PASS
Band2	20MHz	64QAM	18700	100RB#0	-32.86	PASS
Band2	20MHz	64QAM	19100	1RB#99	-26.09	PASS
Band2	20MHz	64QAM	19100	100RB#0	-32.69	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

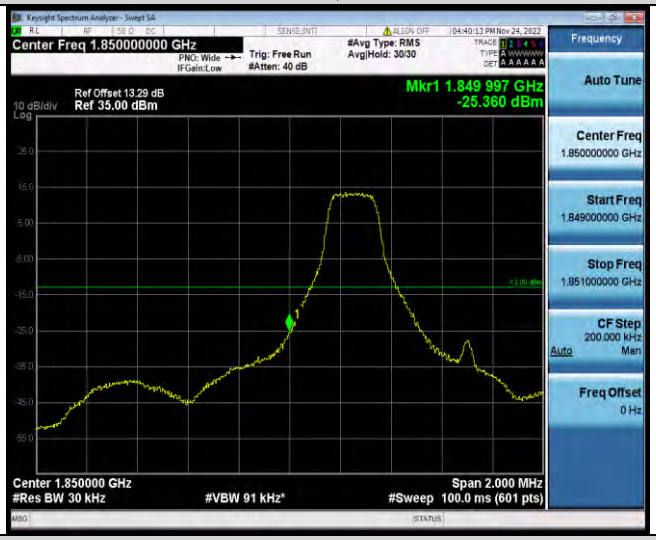
Band2-1.4MHz-16QAM-18607-1RB#0

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

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

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

Band2-1.4MHz-64QAM-18607-1RB#0

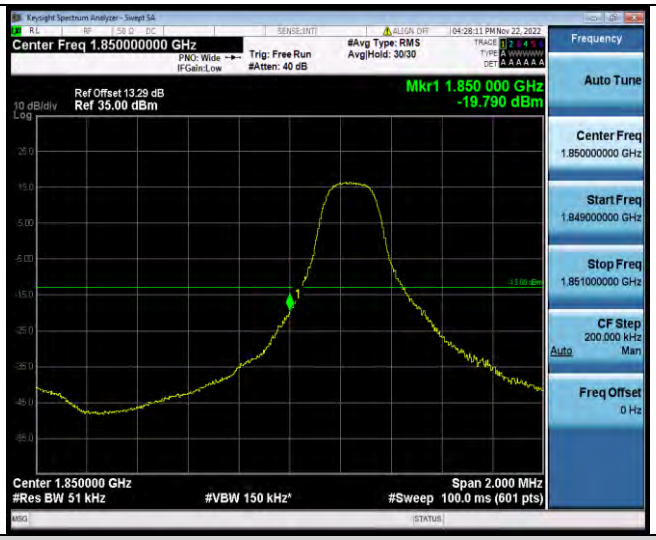


Band2-1.4MHz-64QAM-18607-6RB#0

Band2-1.4MHz-64QAM-19193-1RB#5

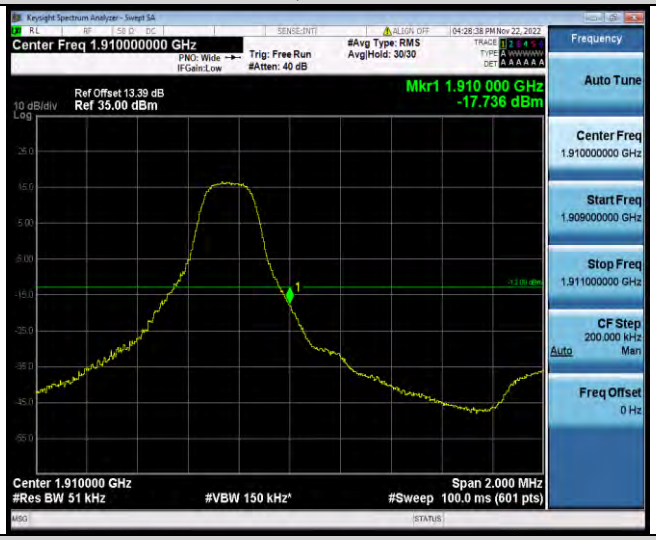
Band2-1.4MHz-64QAM-19193-6RB#0

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



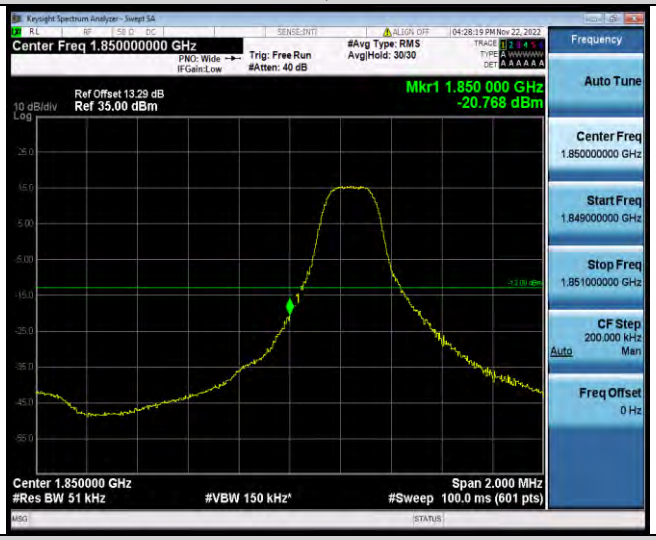
Band2-3MHz-QPSK-18615-15RB#0

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



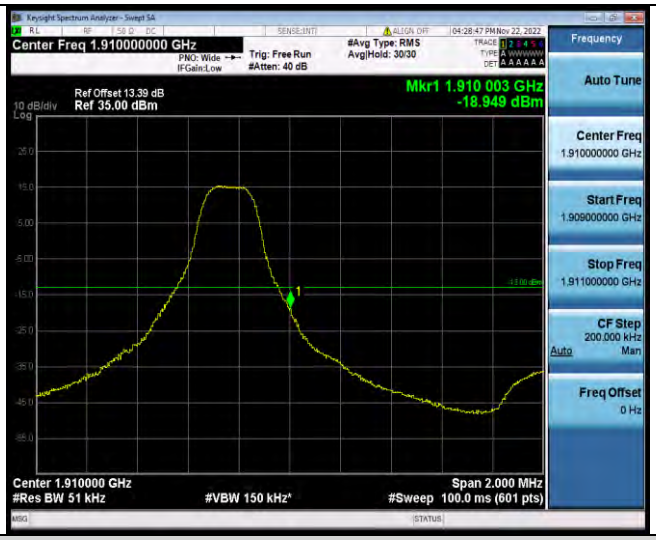
Band2-3MHz-QPSK-19185-15RB#0

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



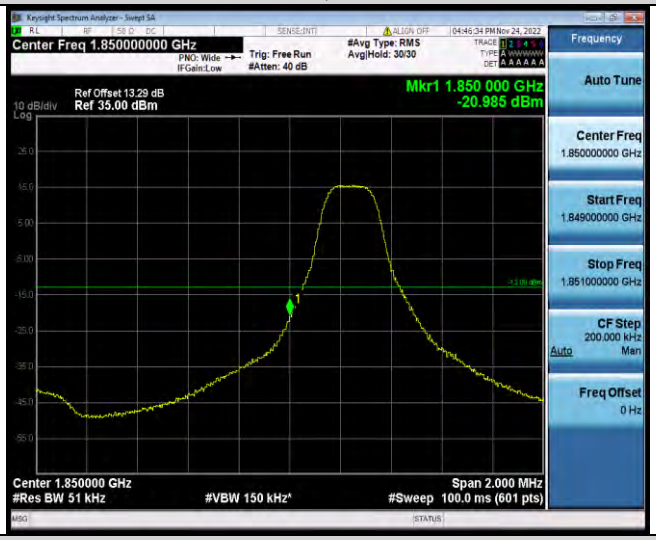
Band2-3MHz-16QAM-18615-15RB#0

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

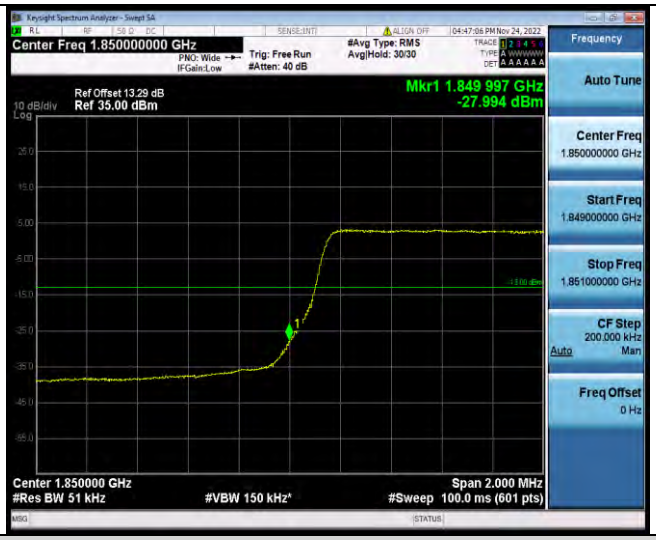


Band2-3MHz-16QAM-19185-15RB#0

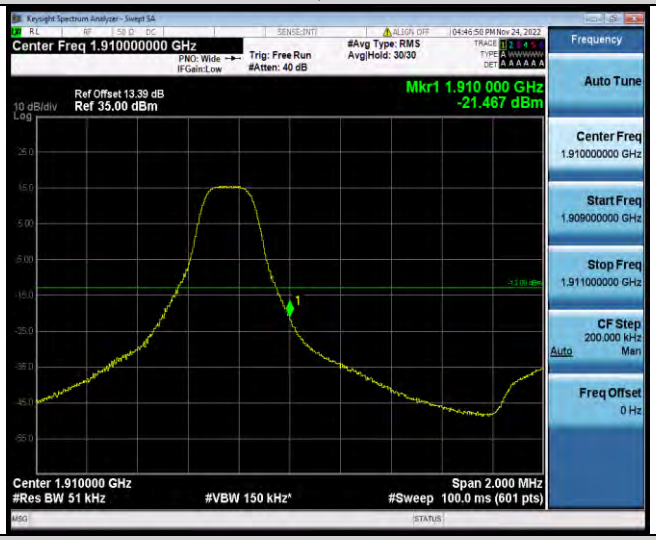
Band2-3MHz-64QAM-18615-1RB#0



Band2-3MHz-64QAM-18615-15RB#0



Band2-3MHz-64QAM-19185-1RB#14



Band2-3MHz-64QAM-19185-15RB#0

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