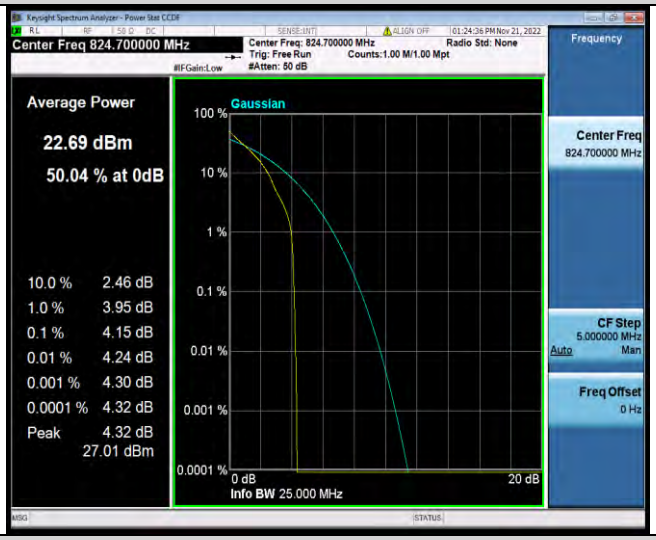
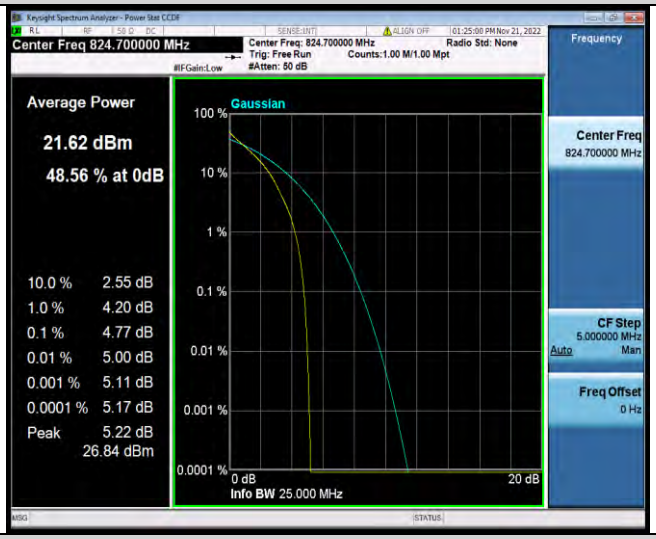
Test Graphs

Band26-1.4MHz-QPSK-26797-1RB#0



Band26-1.4MHz-QPSK-26797-6RB#0



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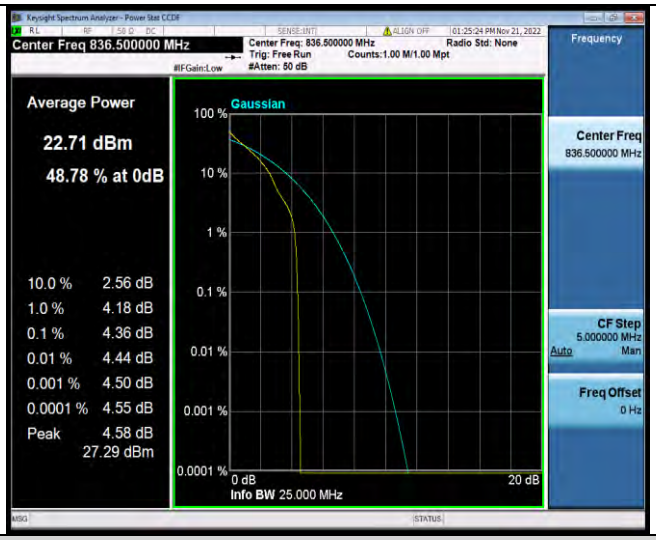

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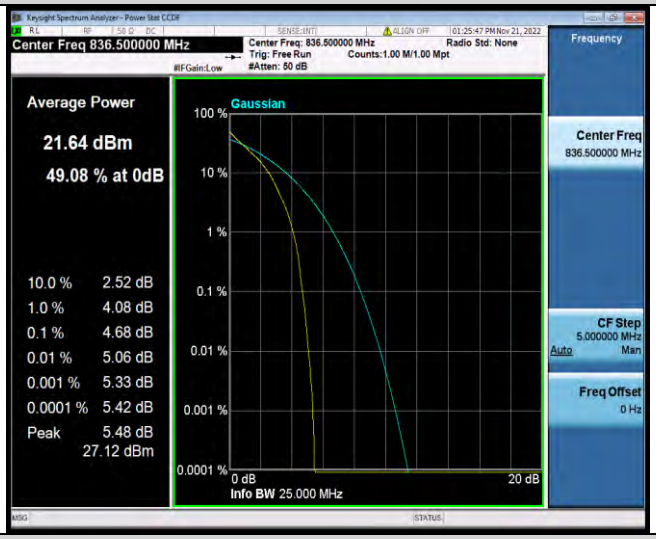

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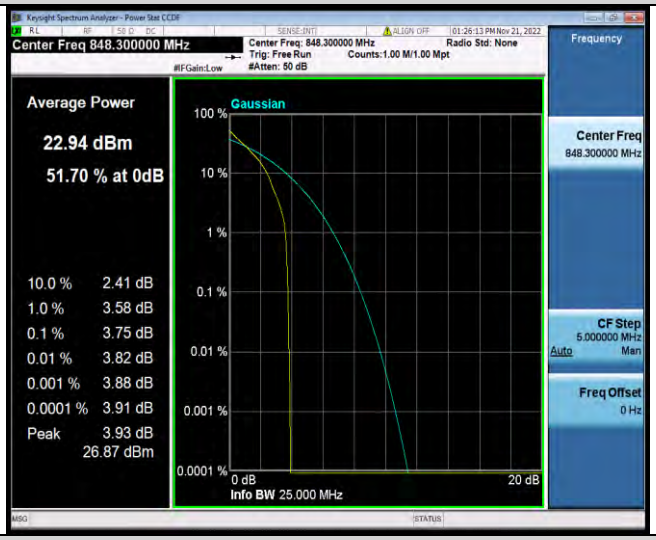

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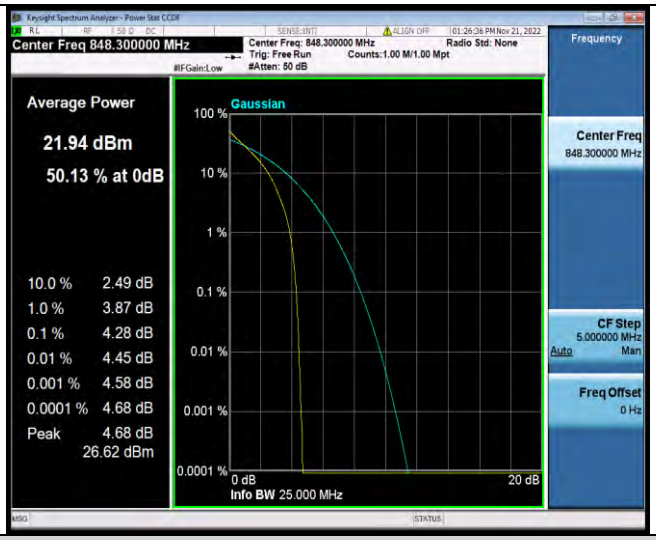

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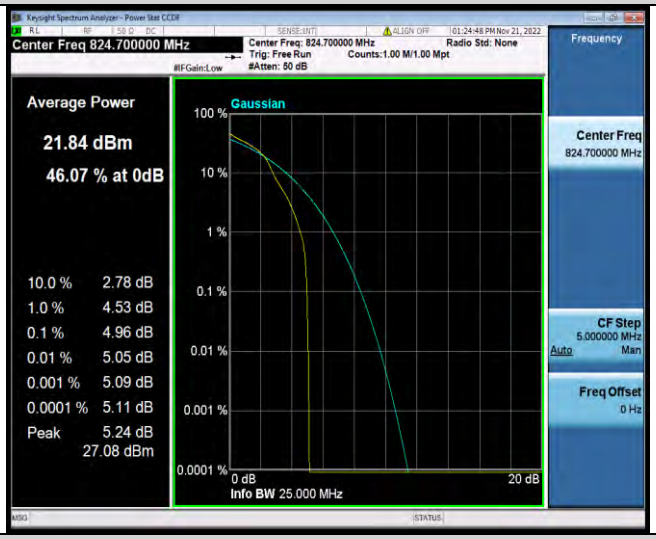

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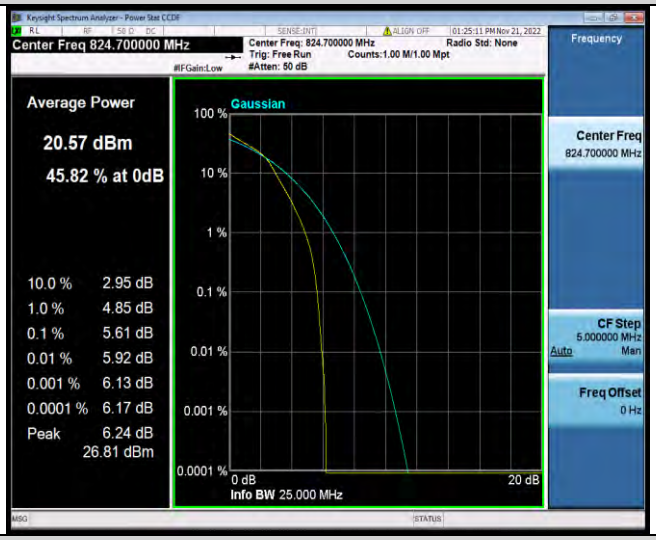

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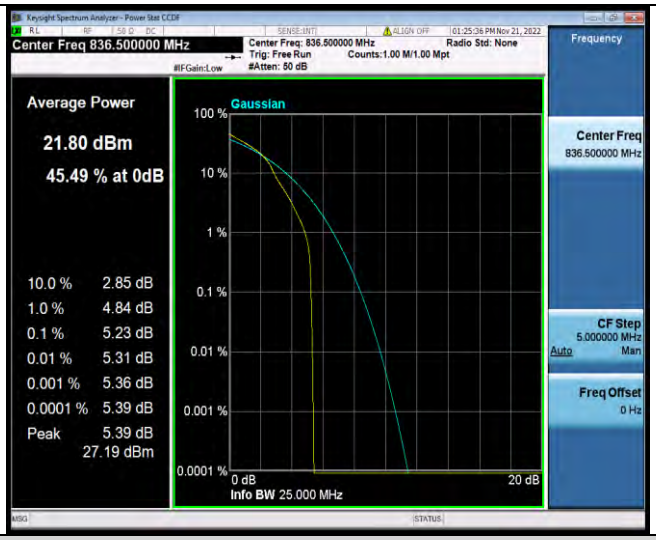

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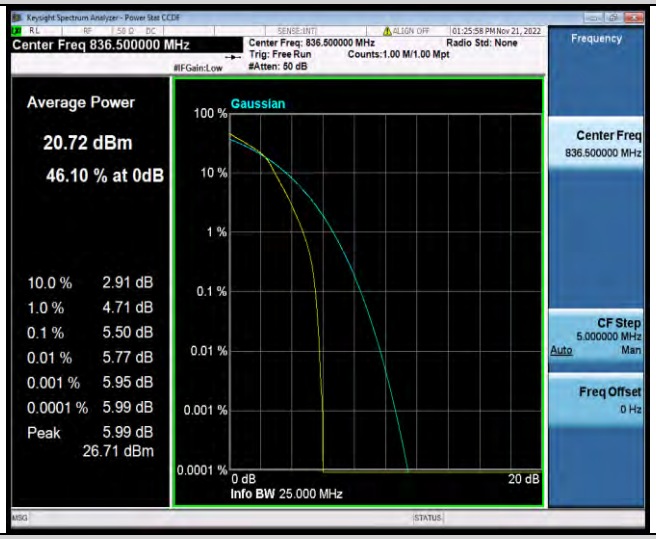

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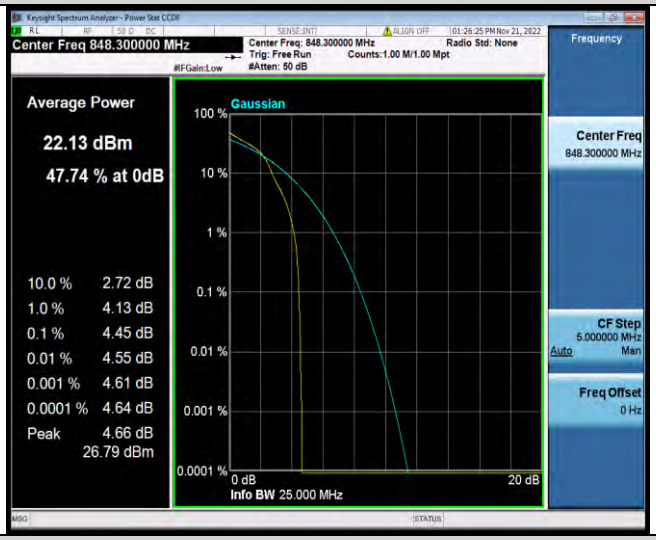

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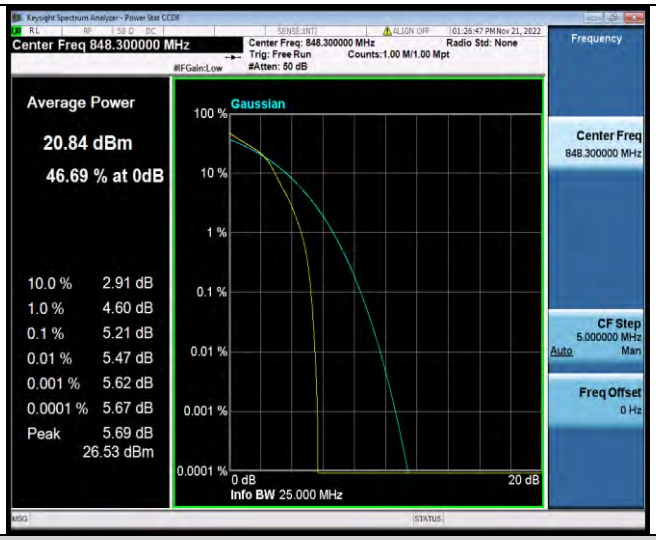

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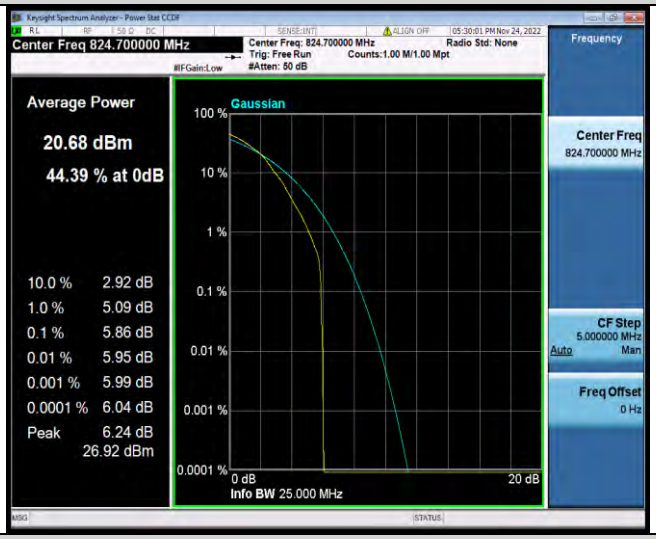

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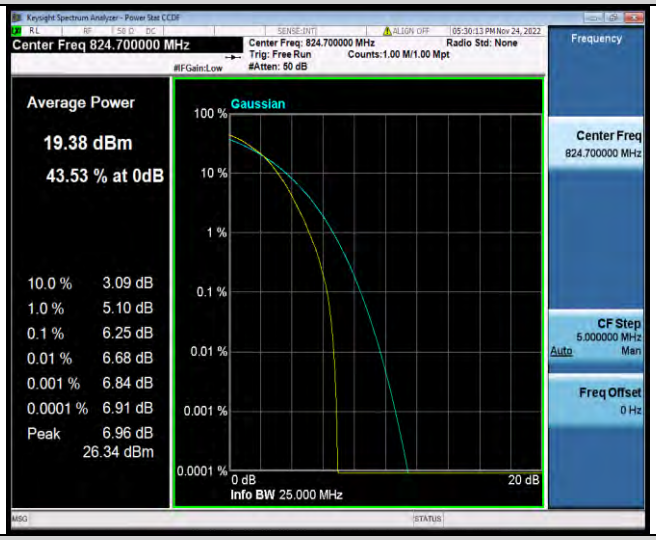

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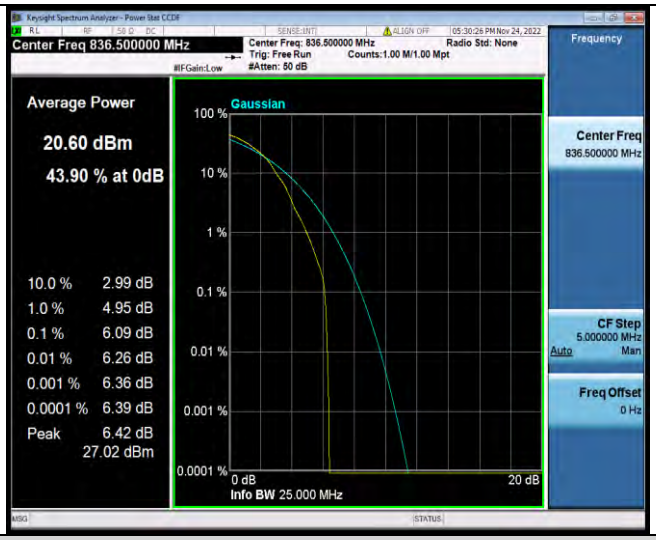

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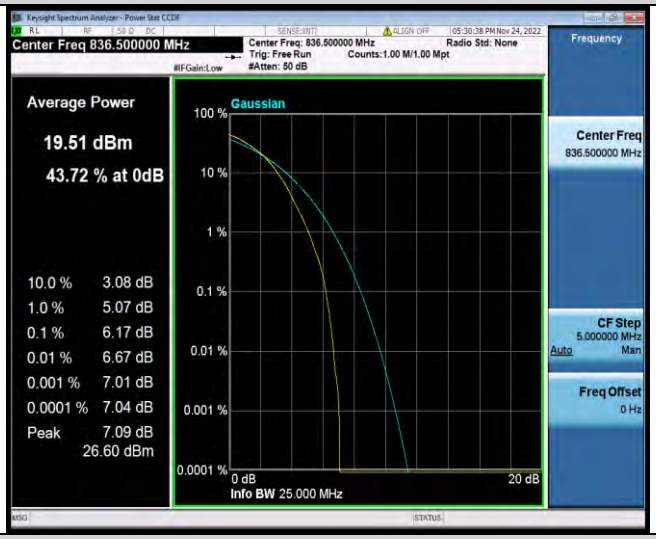

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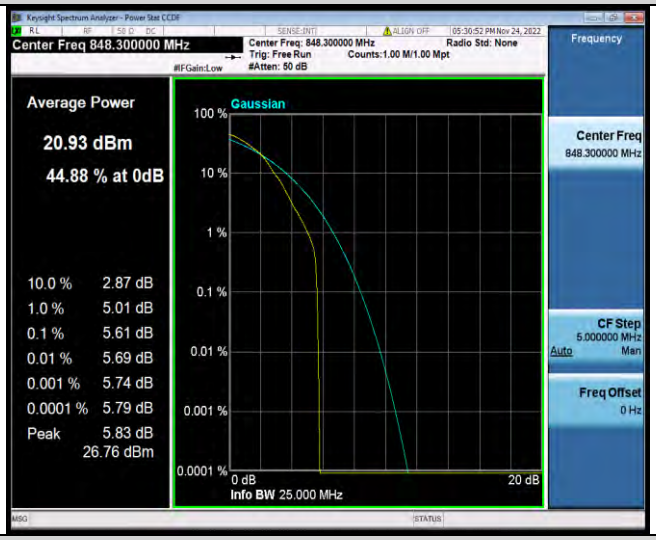

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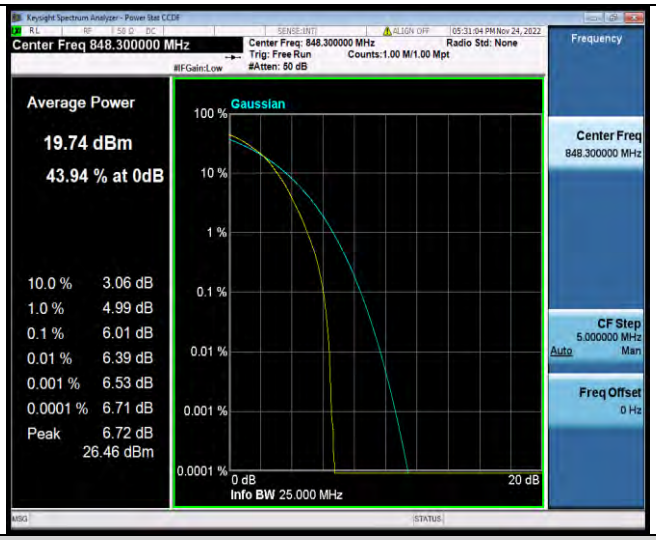

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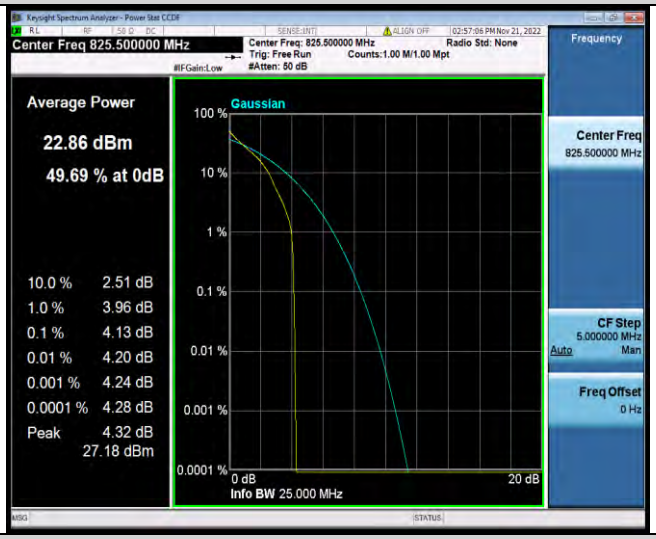

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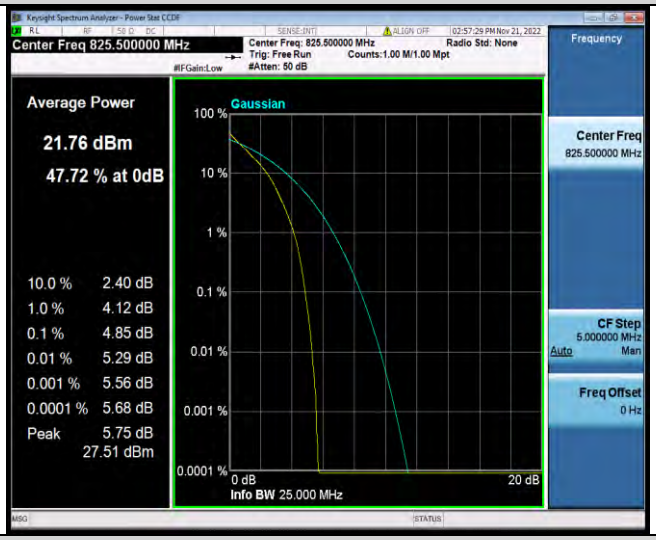

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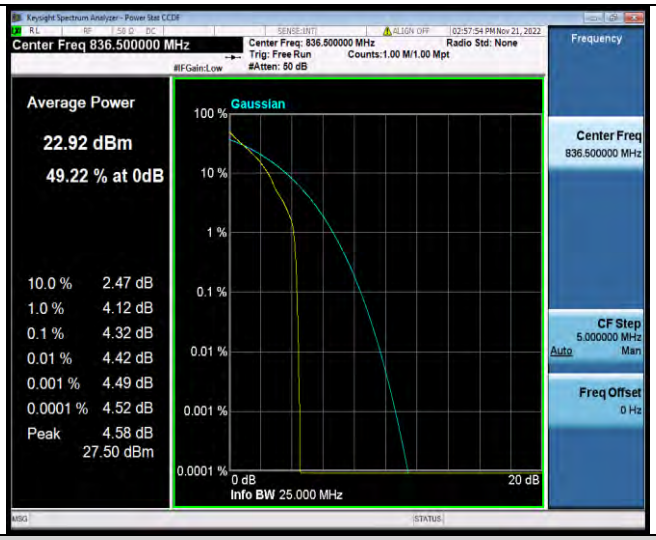

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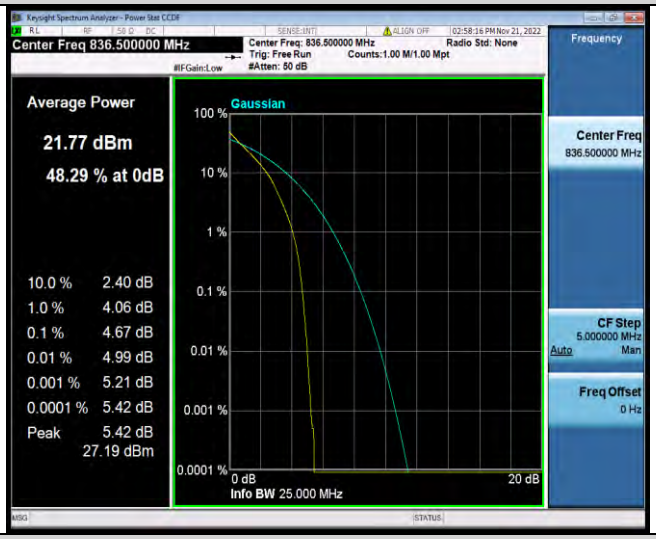

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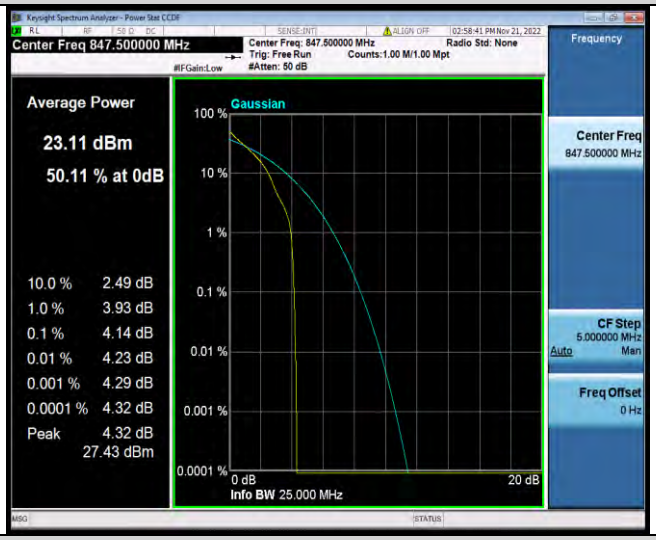

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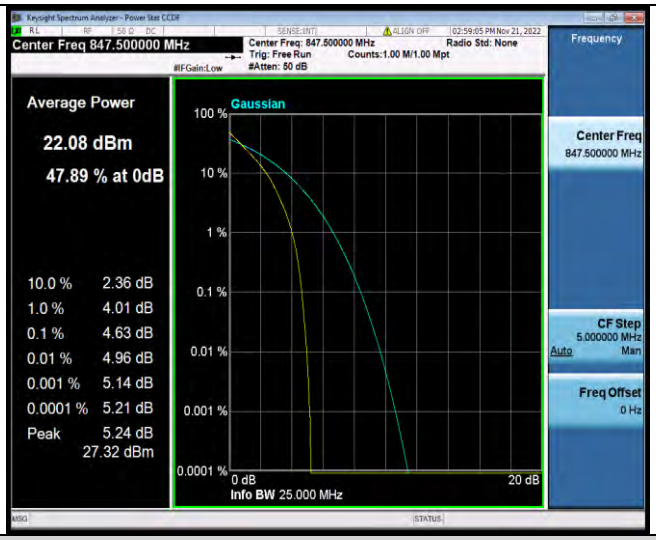

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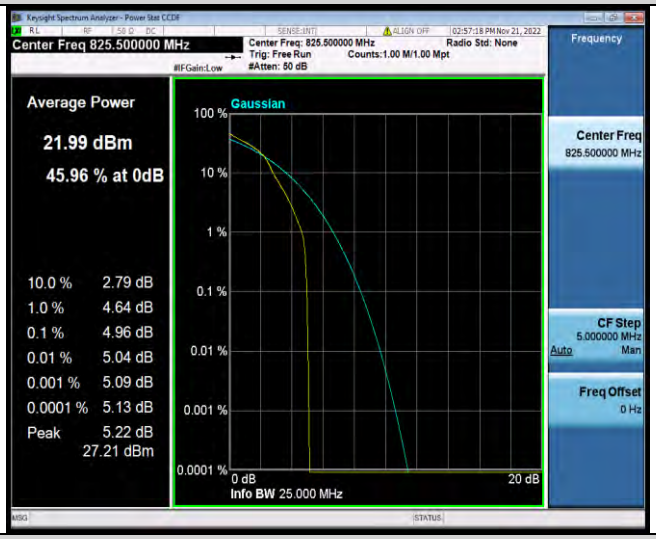

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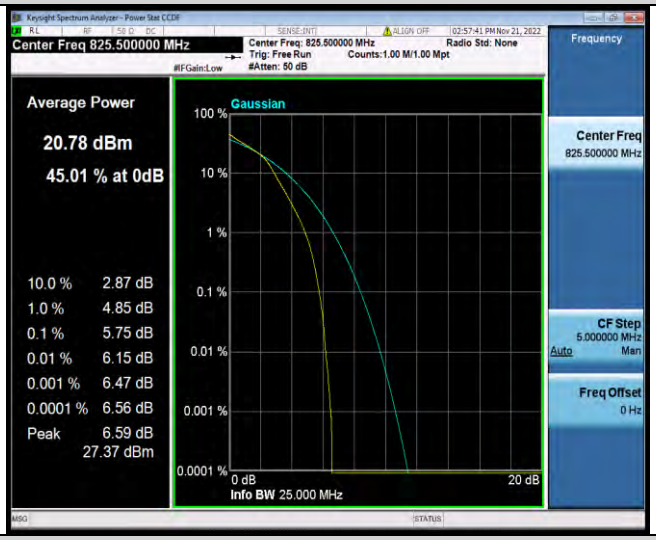

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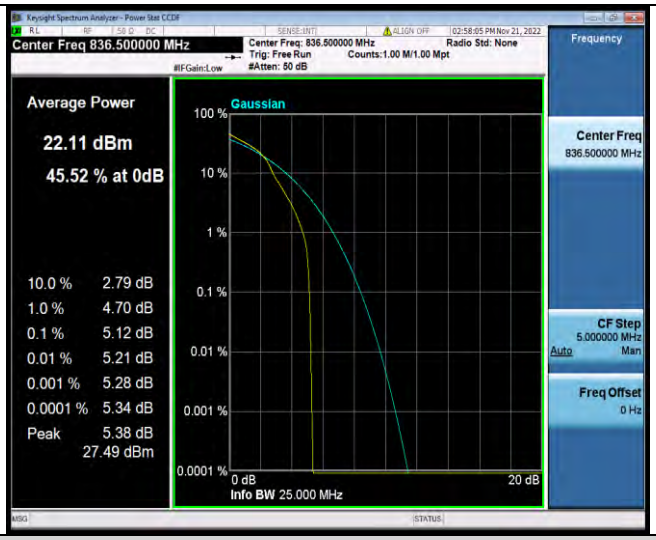

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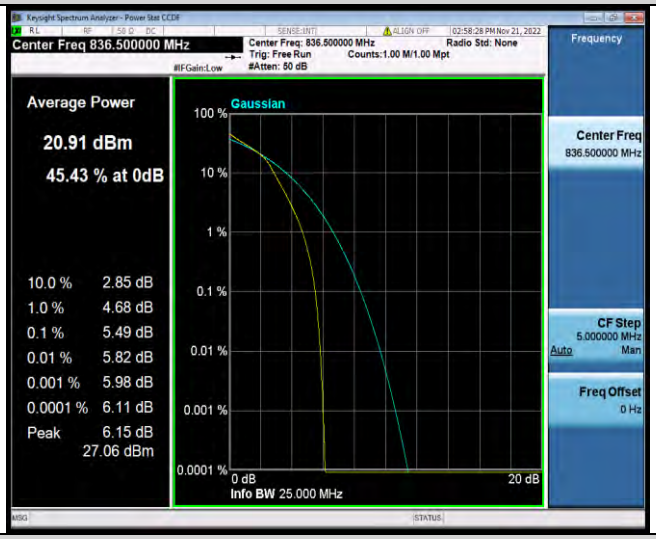

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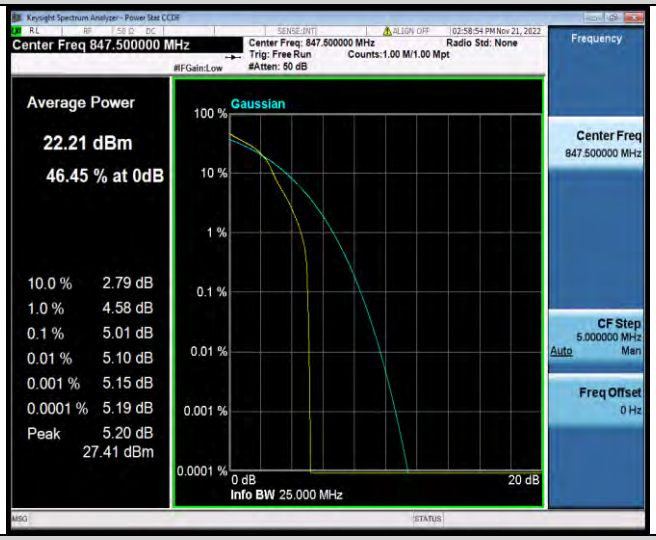

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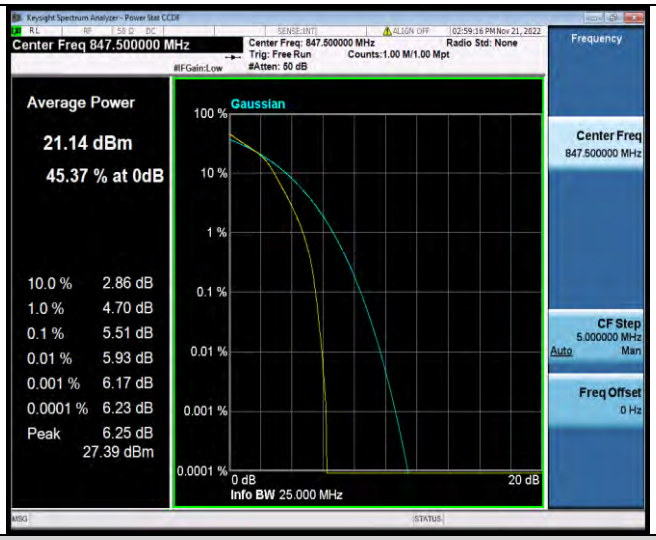

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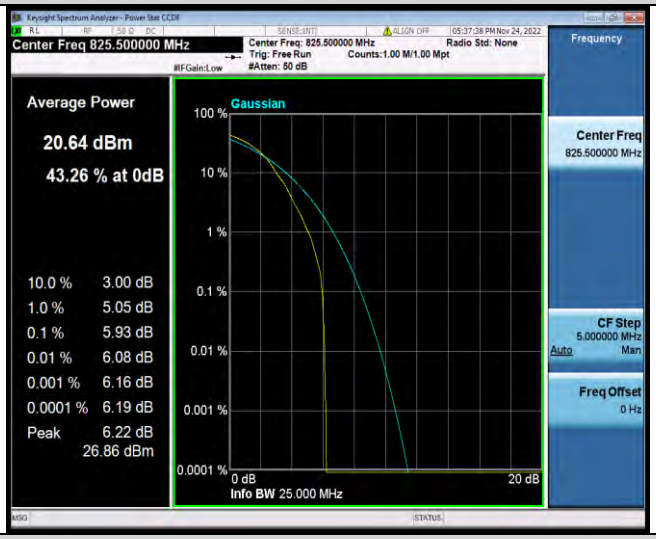

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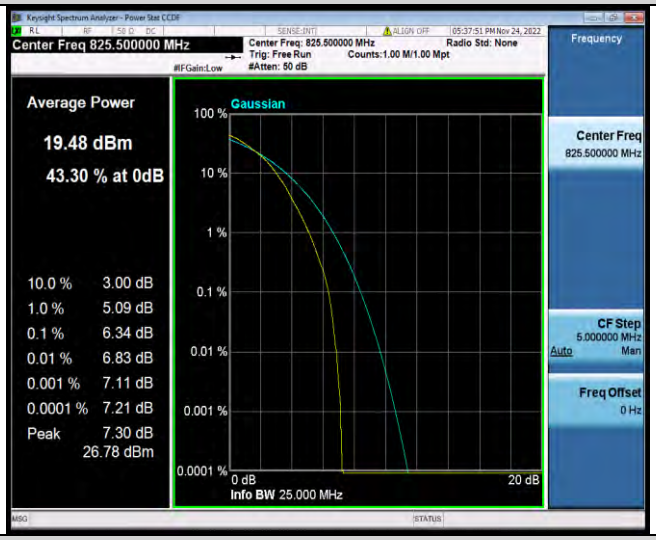

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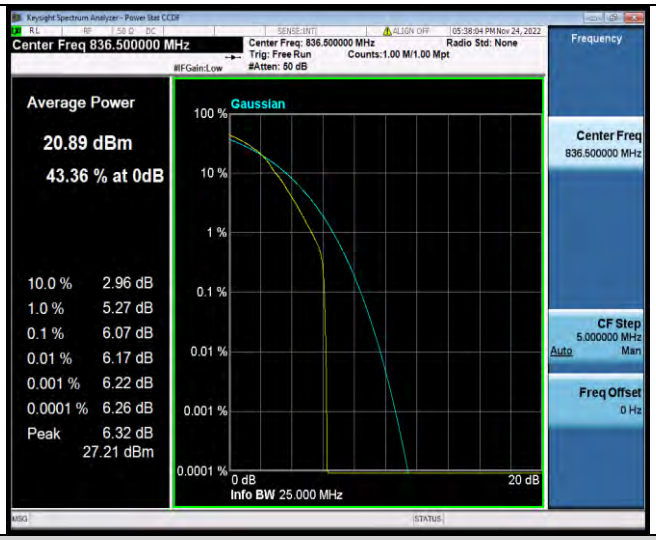

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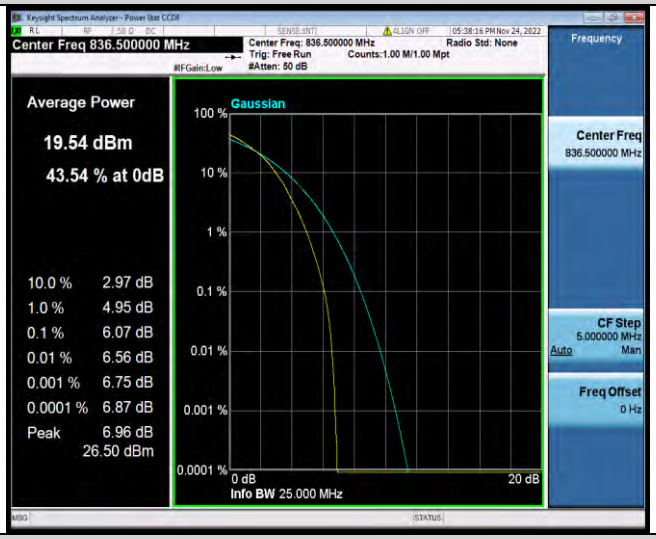

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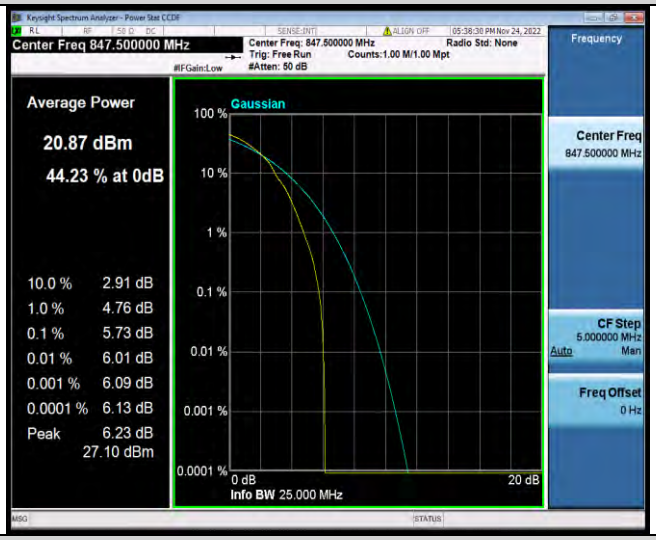

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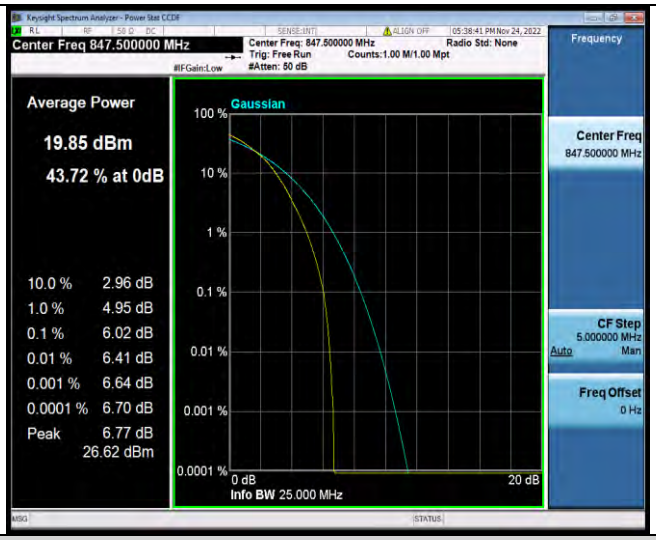

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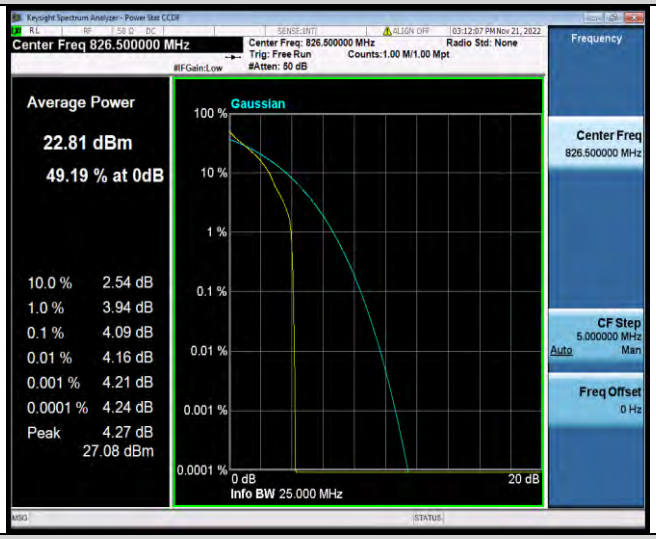

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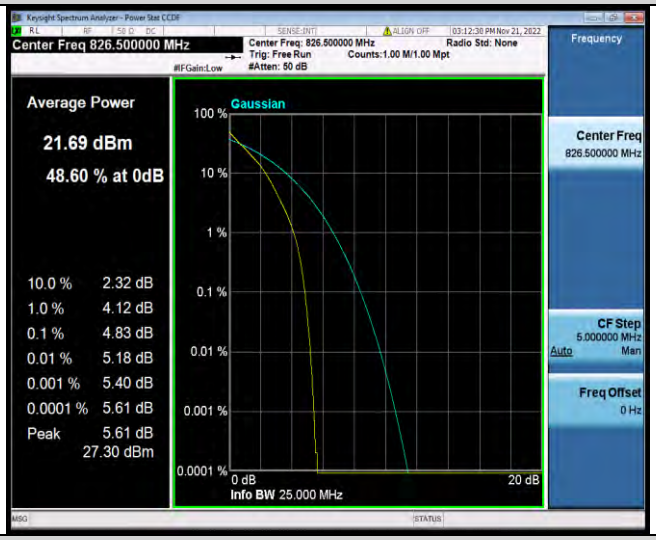

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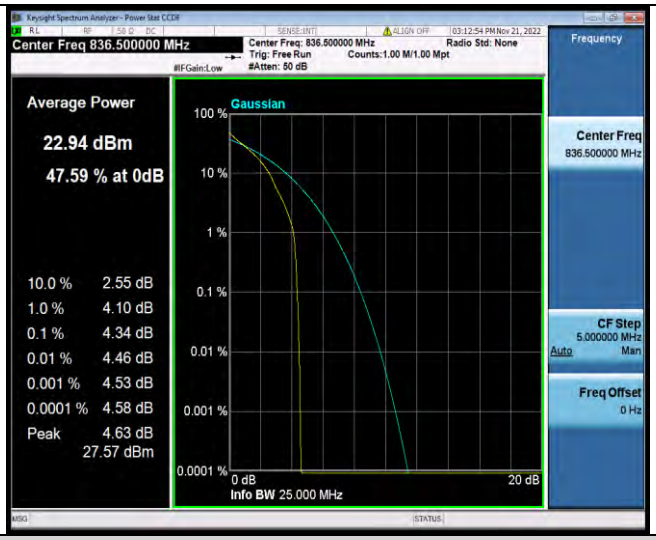

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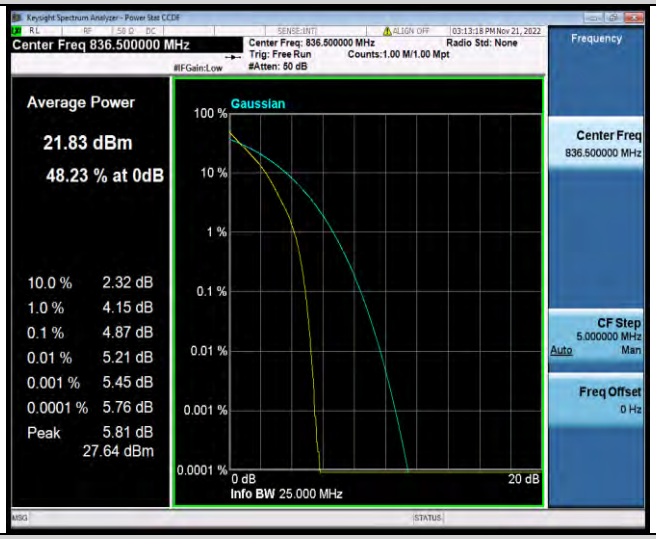

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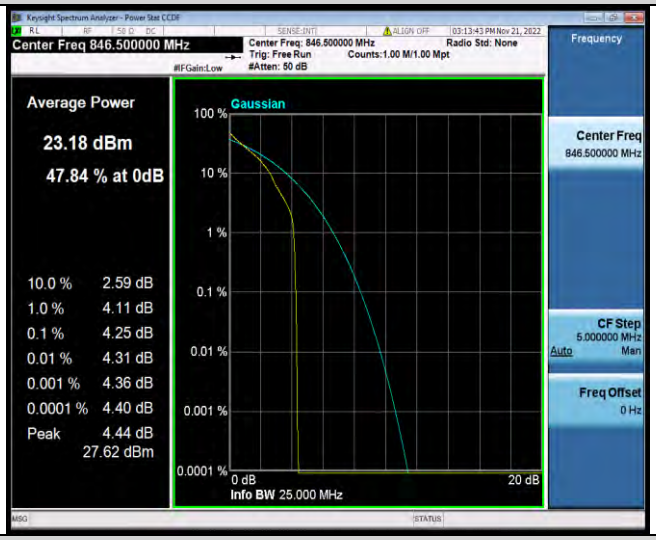

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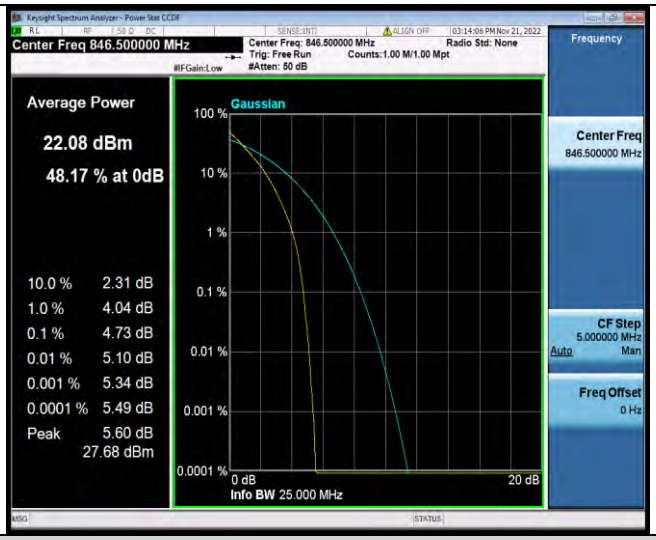

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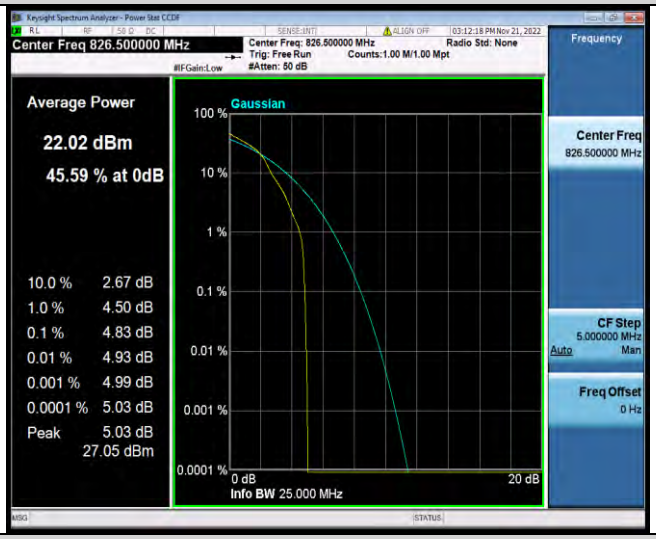

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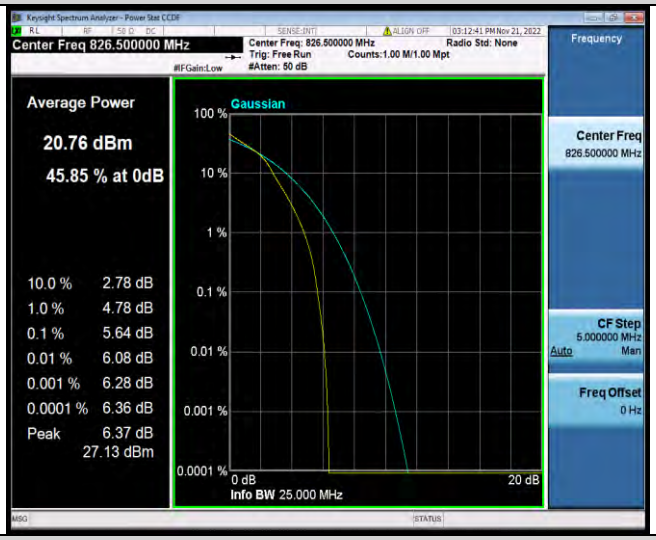

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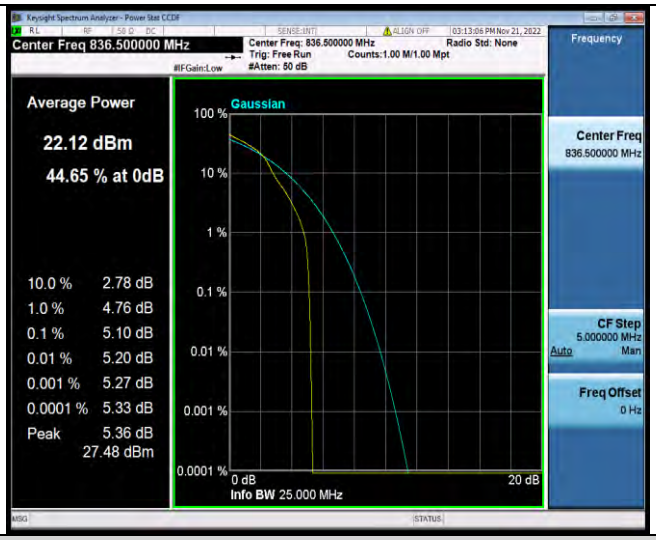

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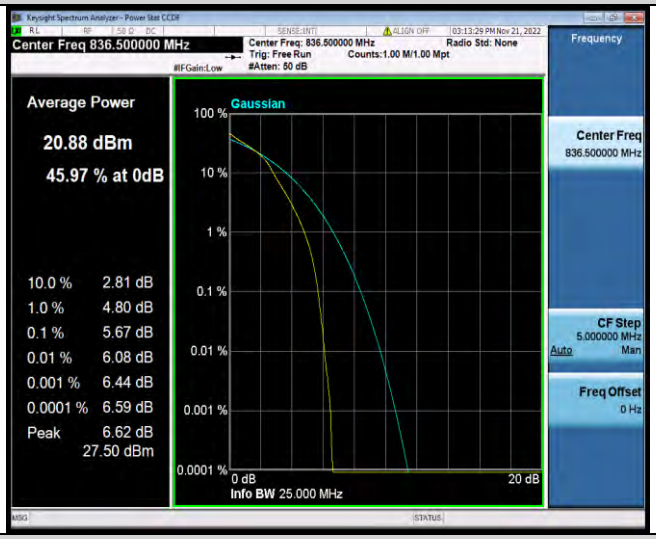

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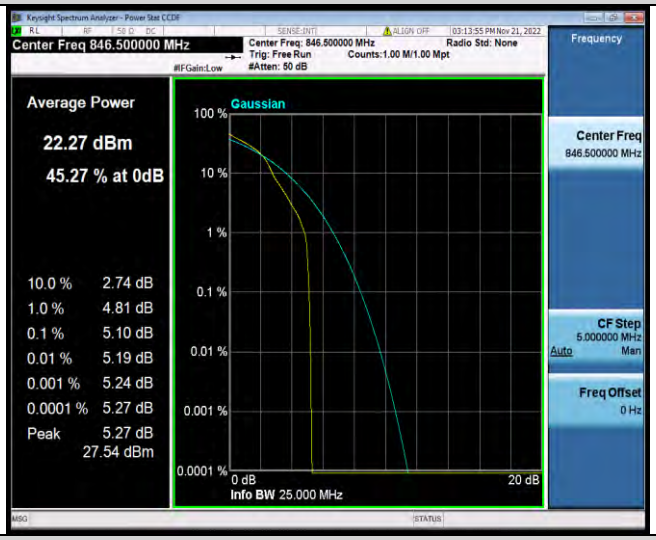

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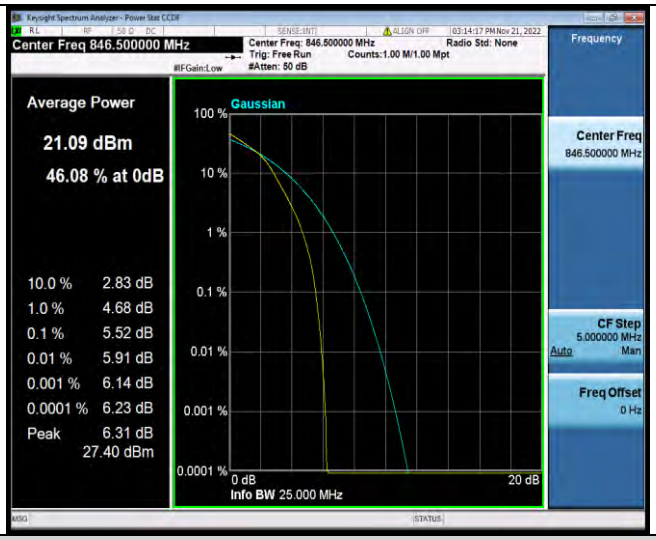

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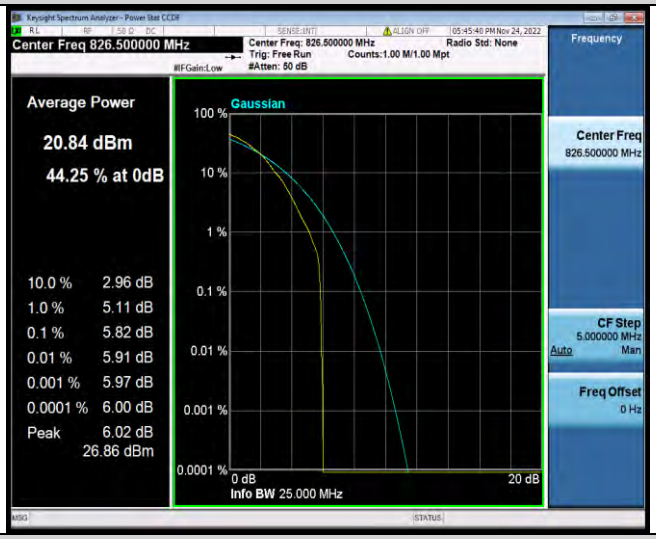

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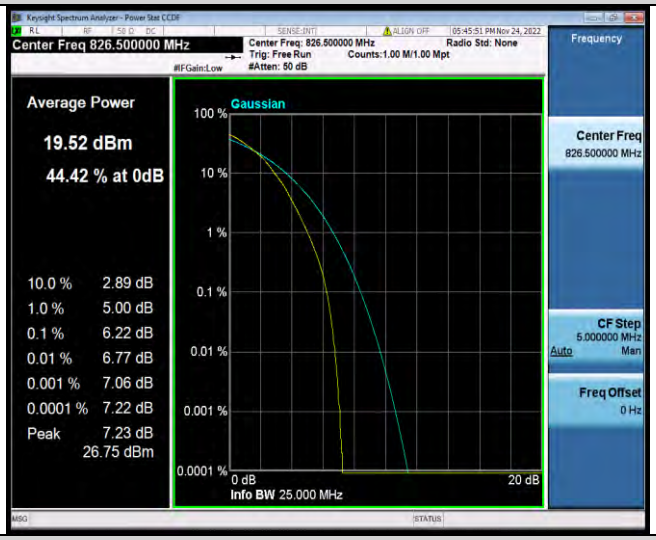
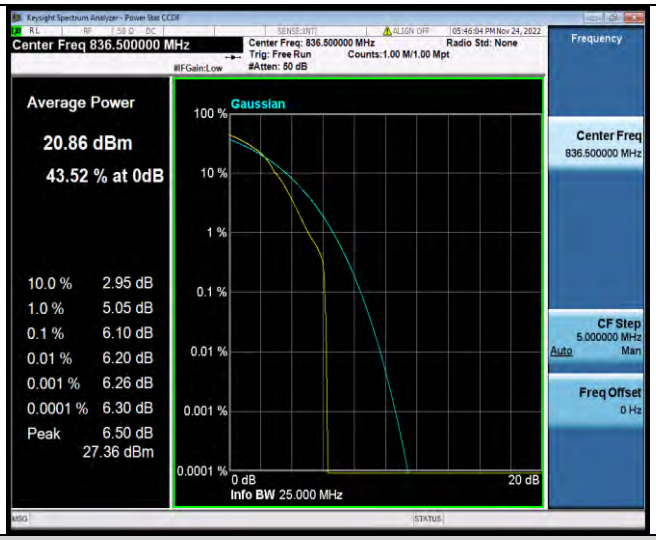


Band26-5MHz-64QAM-26915-1RB#0



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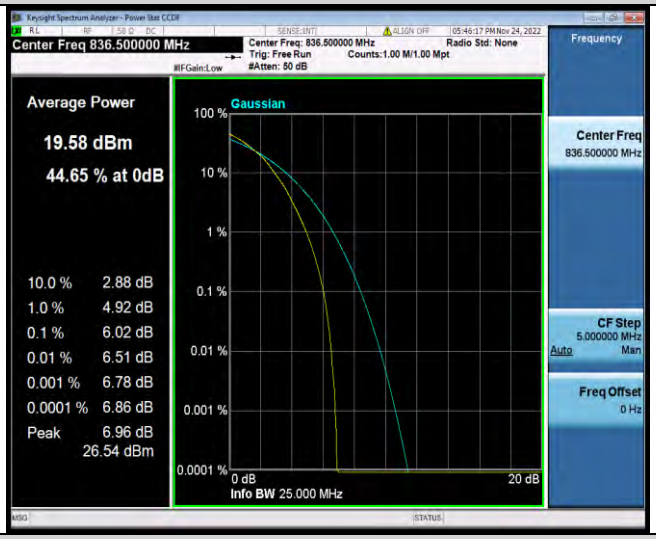

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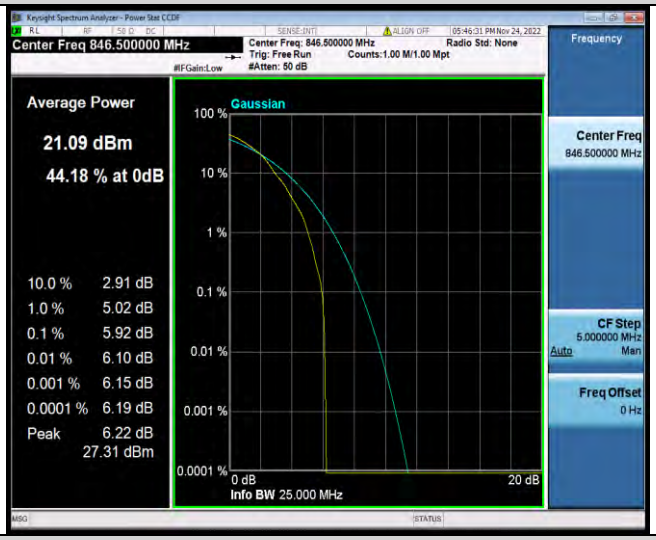

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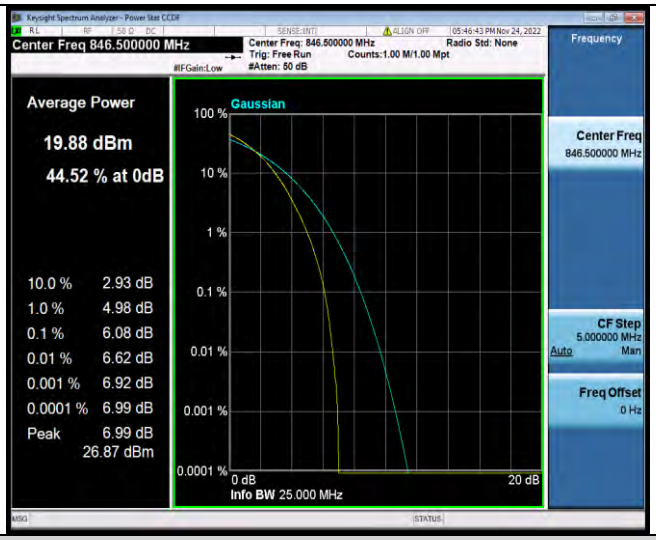

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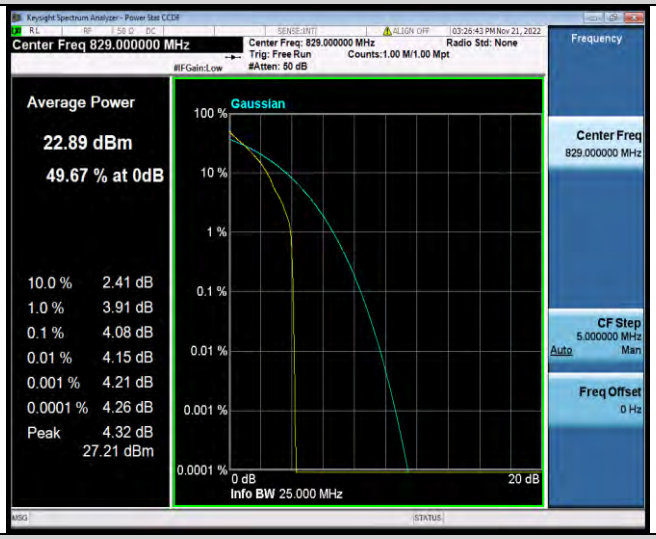

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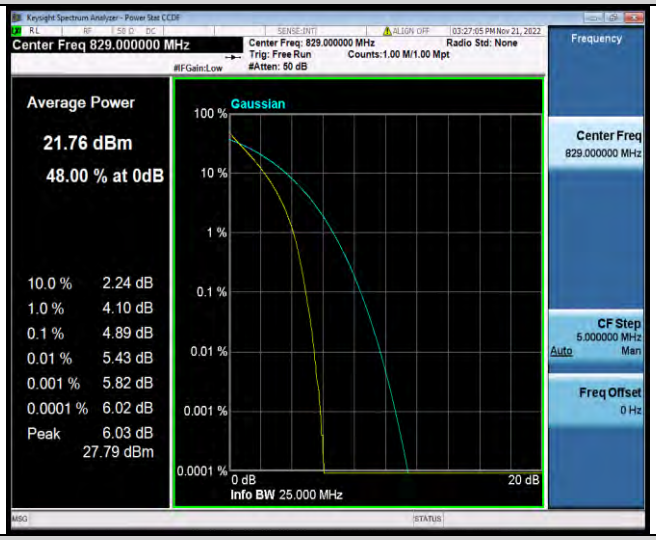

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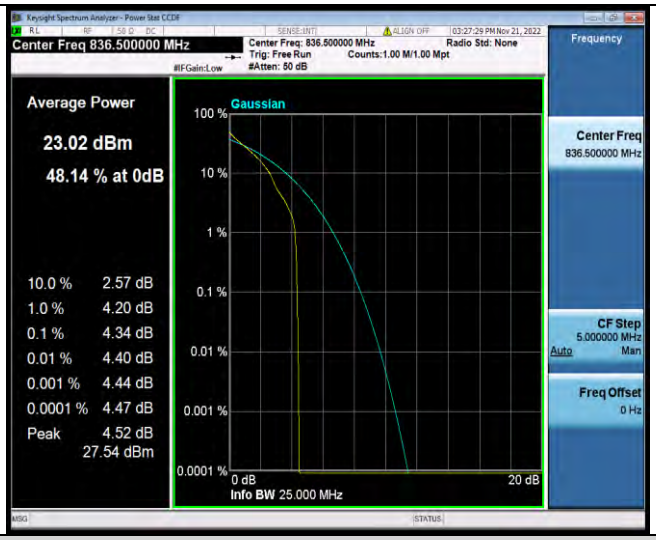

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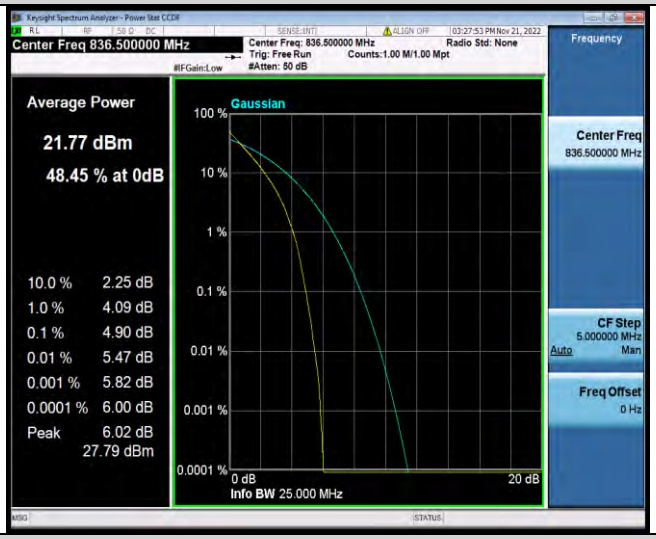

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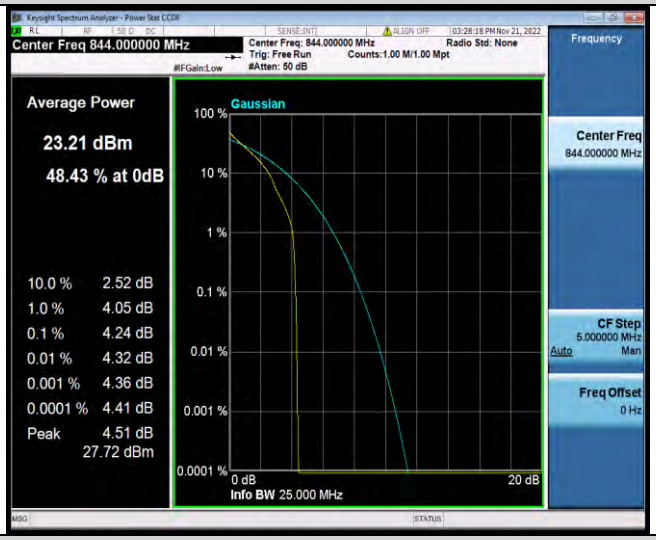

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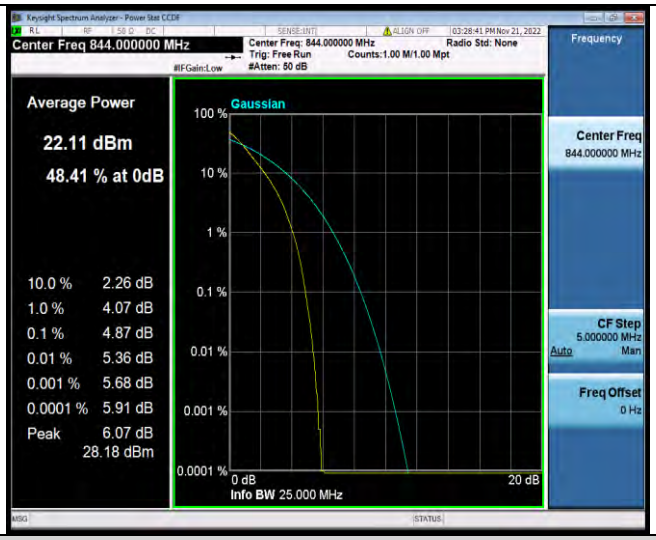

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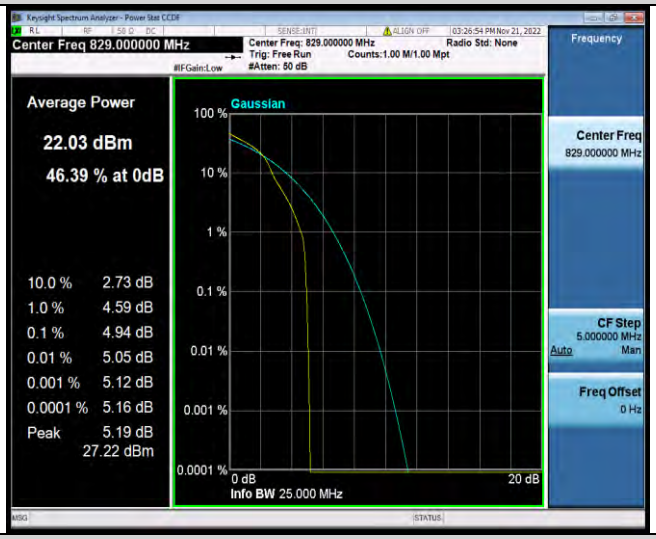

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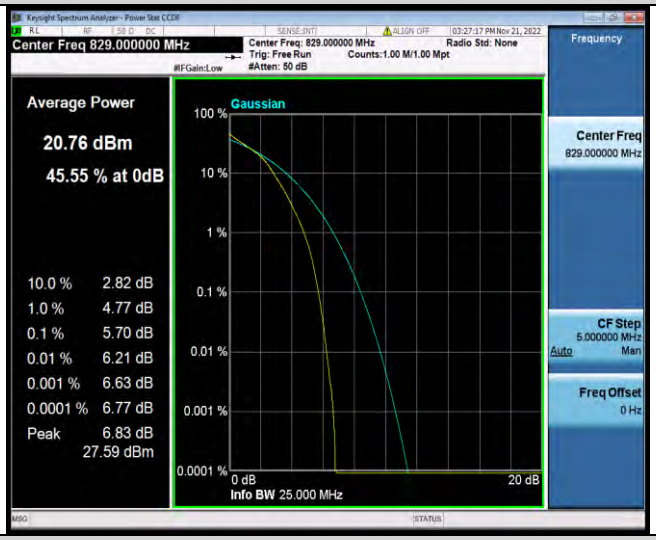

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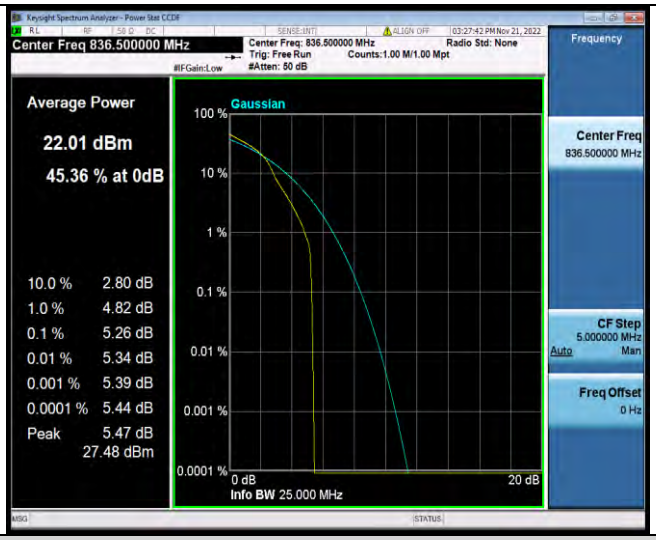

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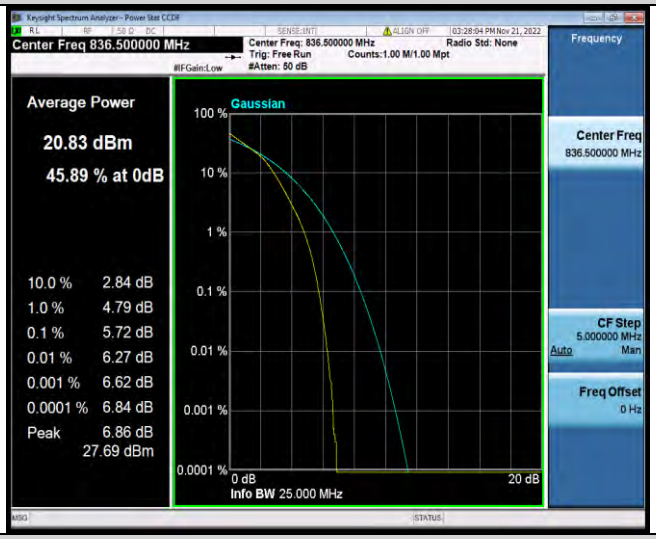
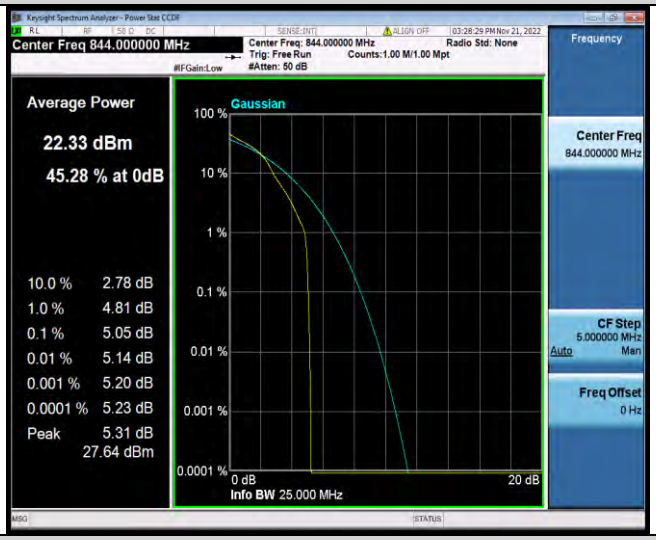


Band26-10MHz-16QAM-26990-1RB#0



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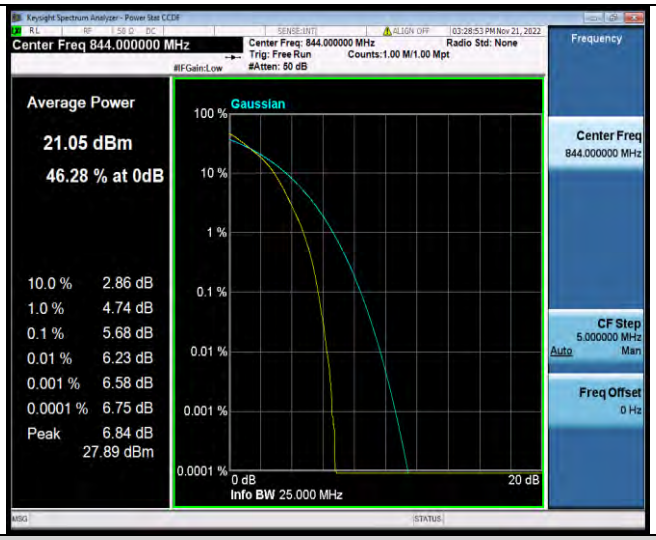

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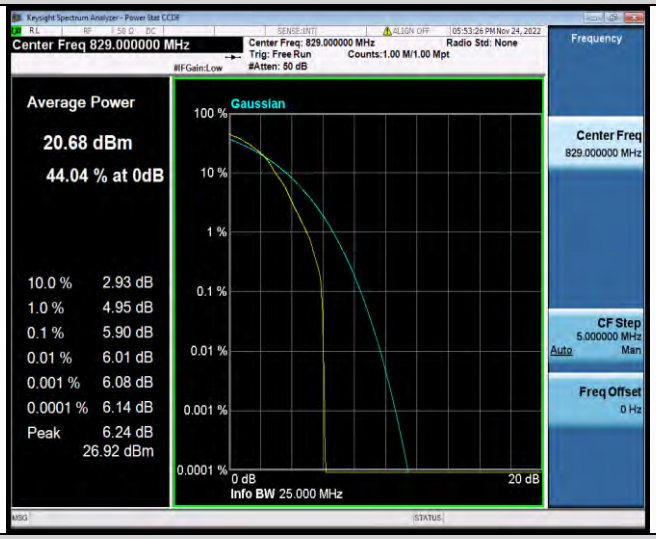

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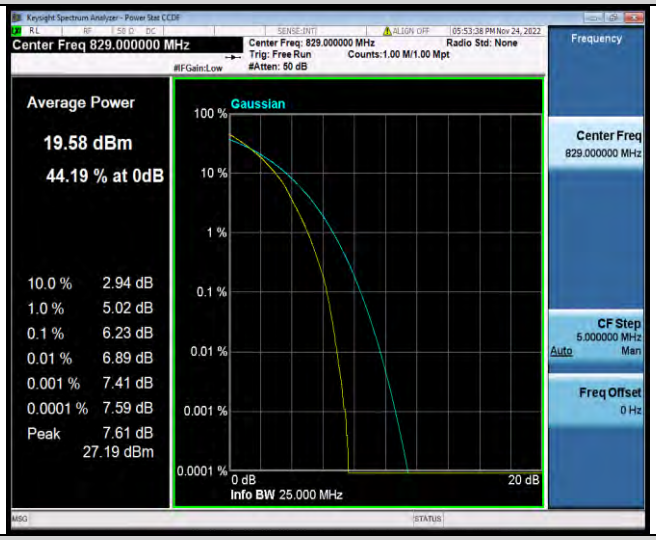

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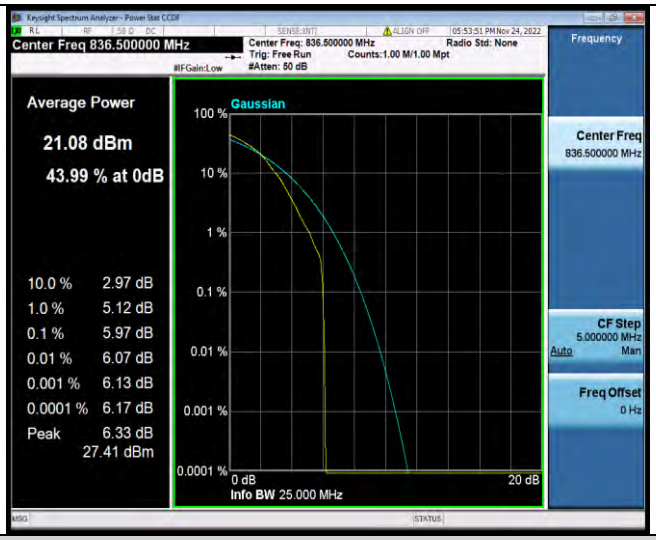

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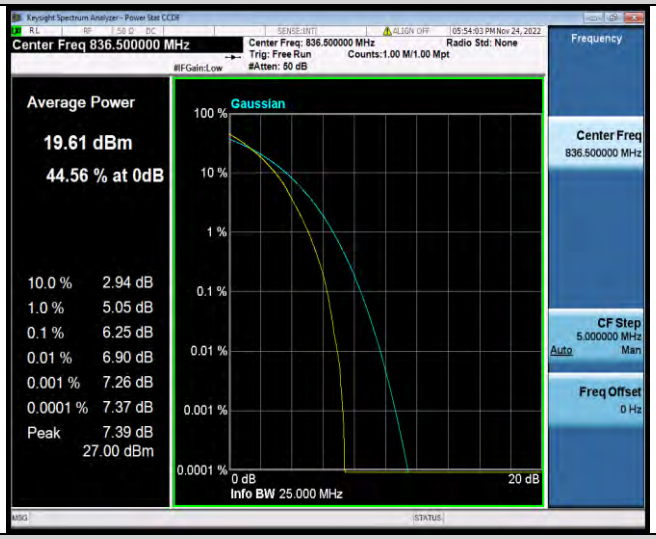

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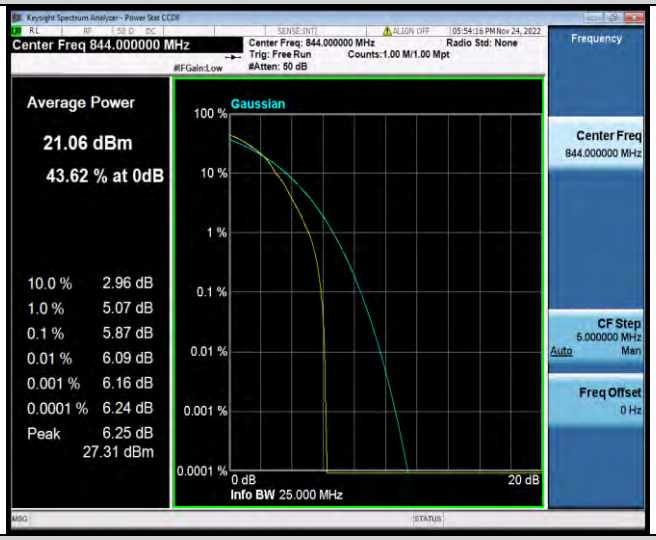
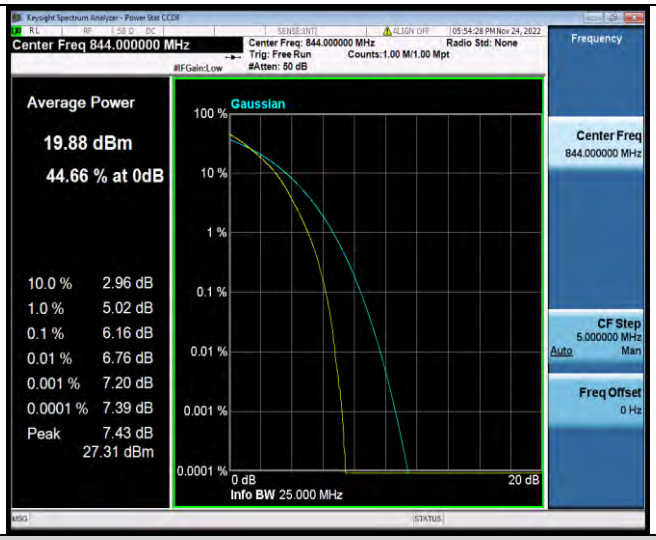


Band26-10MHz-64QAM-26990-50RB#0



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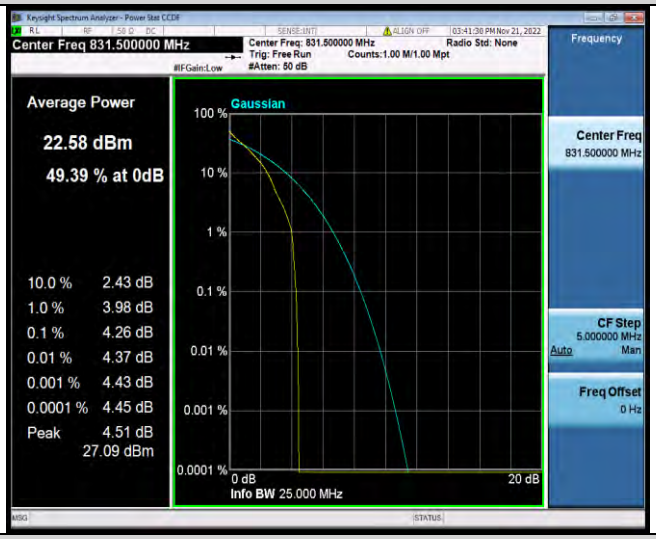

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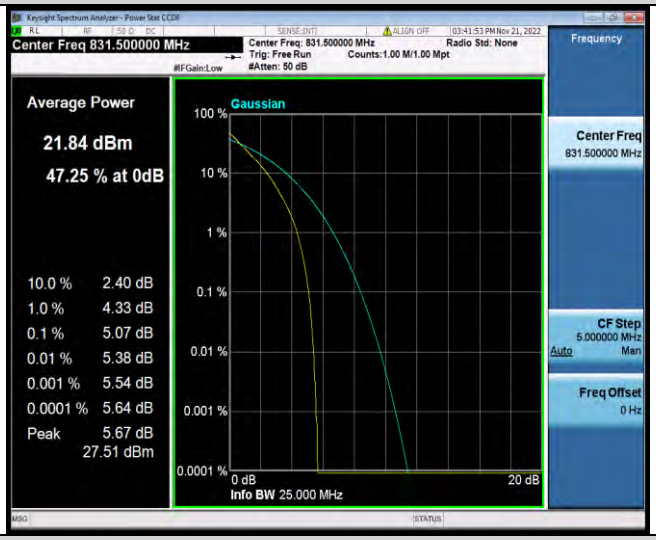

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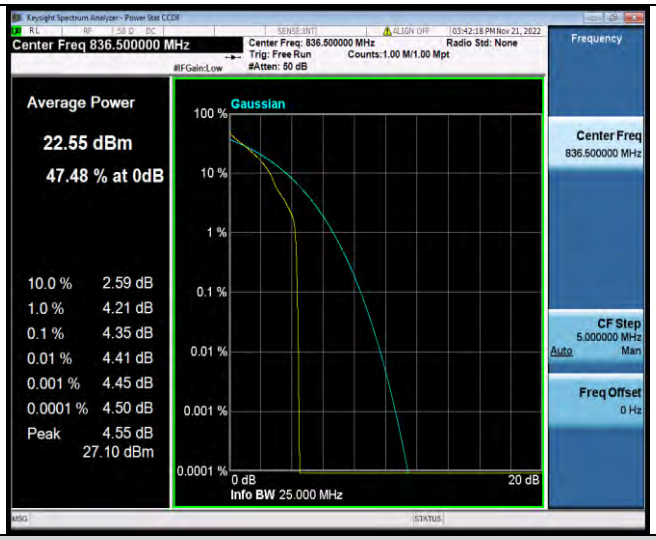

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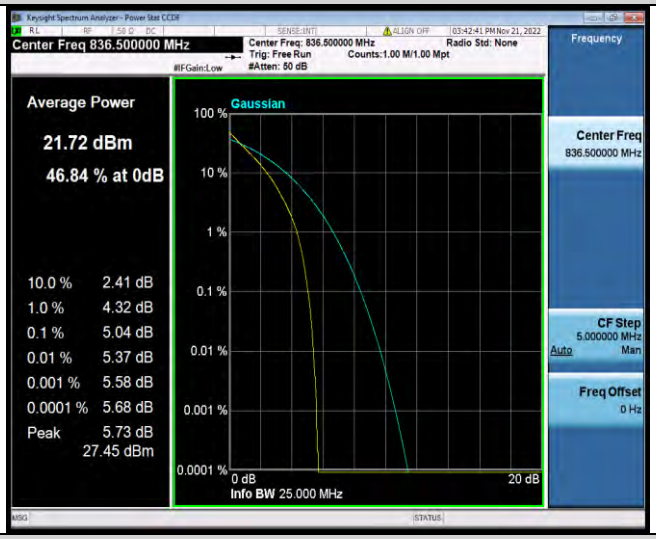

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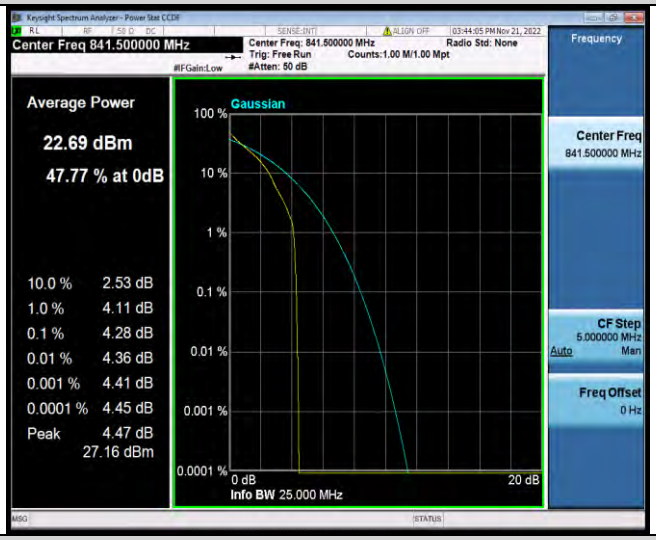

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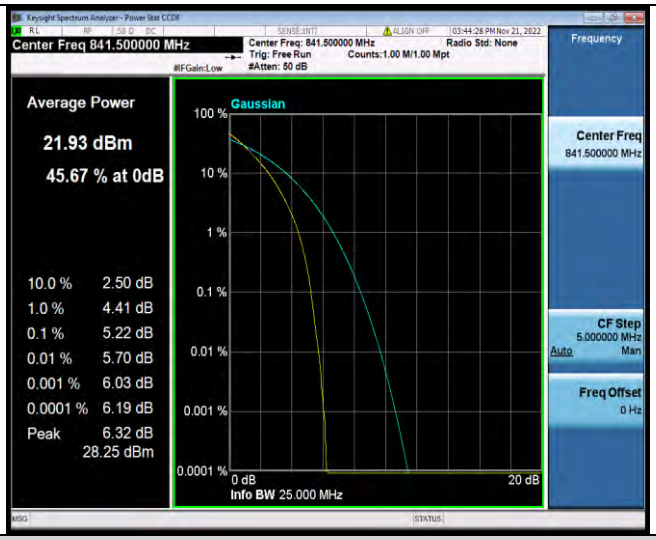

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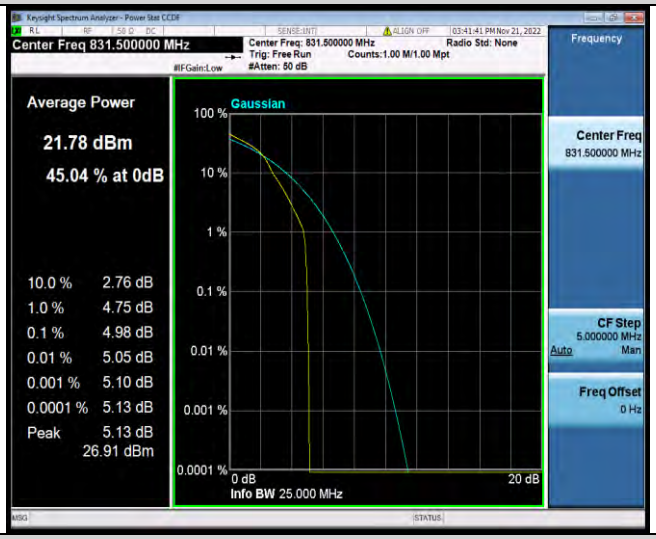

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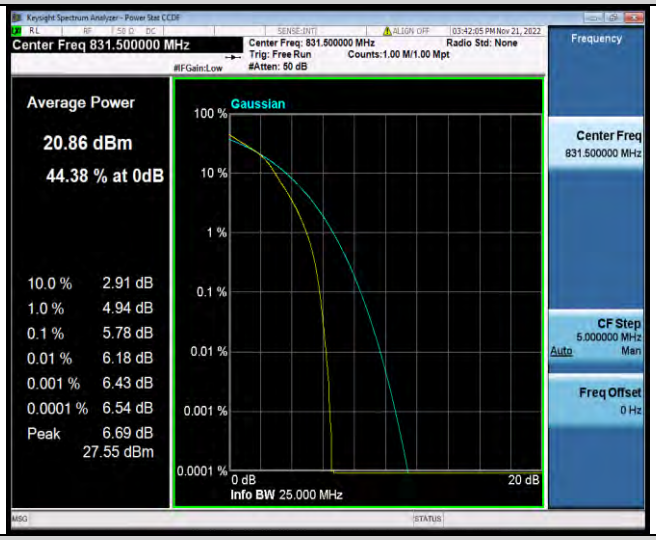

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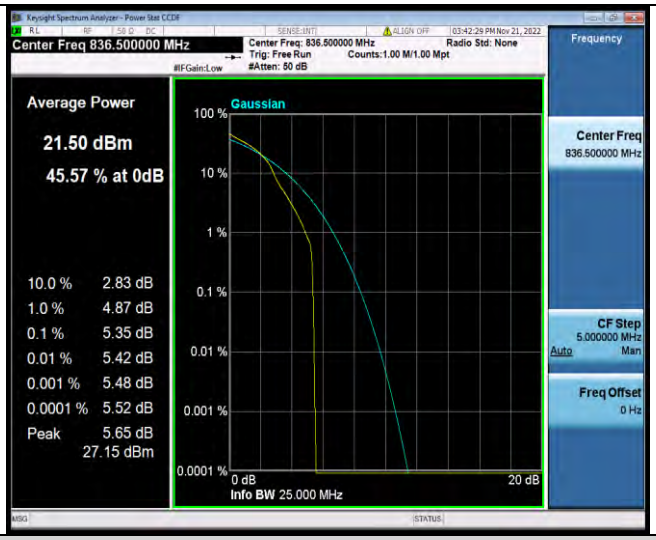

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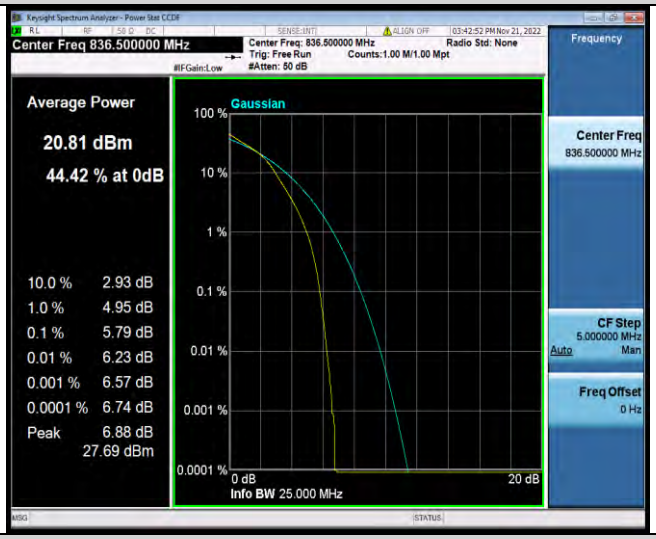

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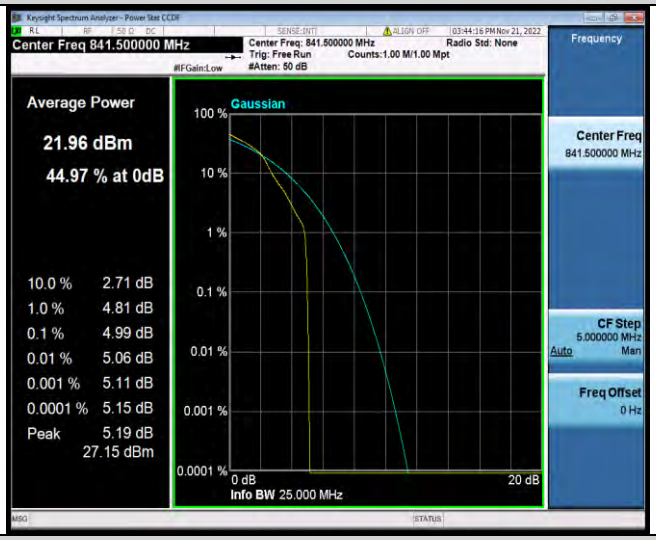

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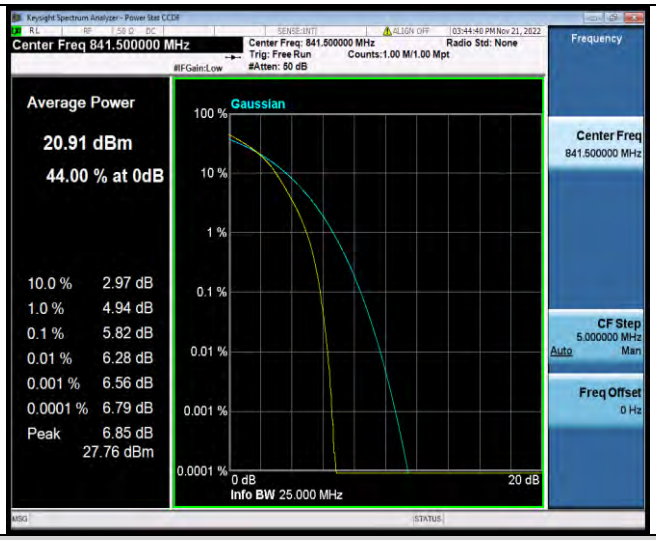

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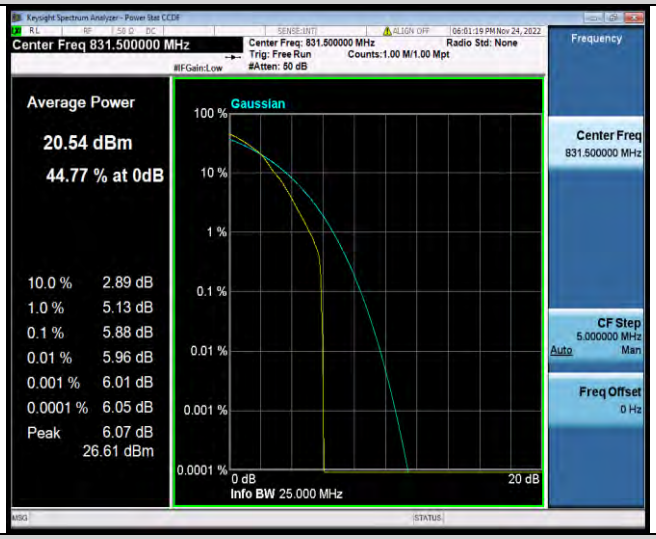
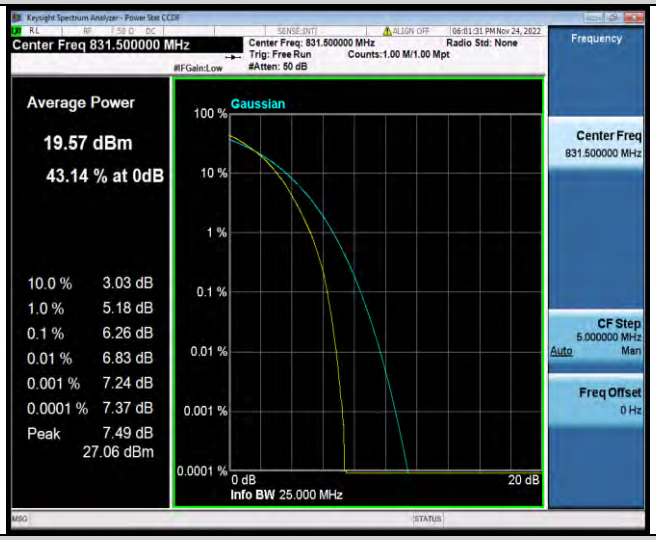
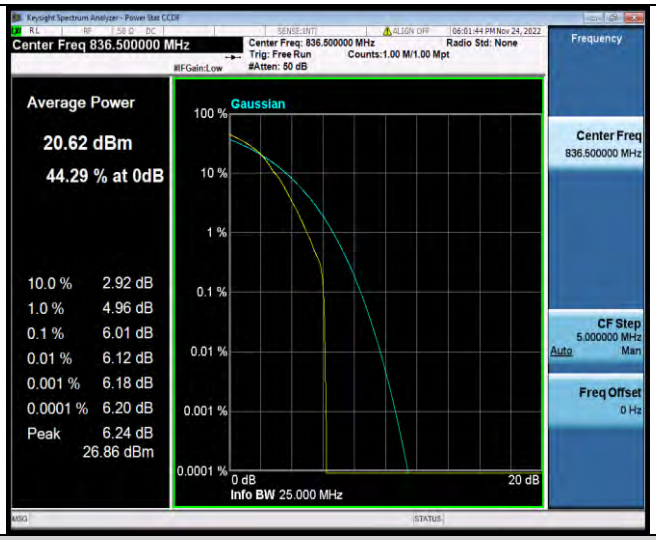


Band26-15MHz-64QAM-26865-75RB#0



Band26-15MHz-64QAM-26915-1RB#0



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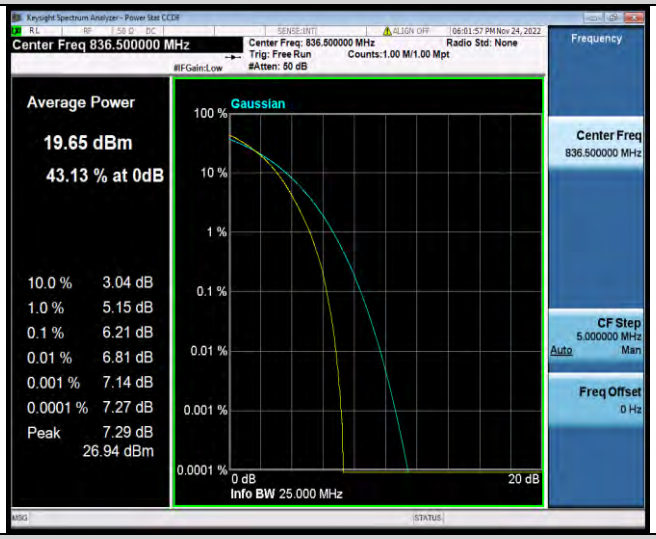

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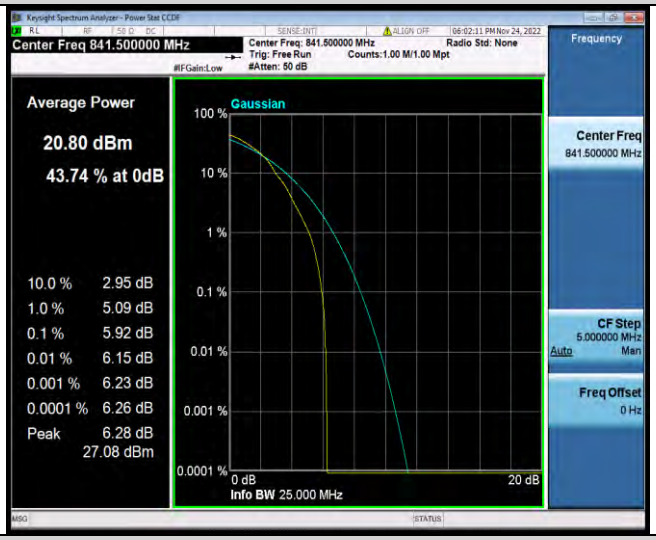
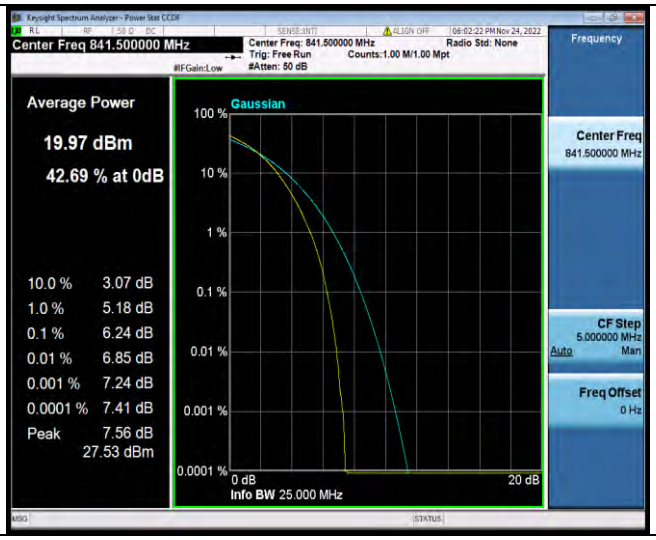


Band26-15MHz-64QAM-26965-75RB#0


Keysight Spectrum Analyzer - Power Stat CCDF
Center Freq 841.500000 MHz
Center Freq: 841.500000 MHz
Trig: Free Run
Counts:1.00 M/1.00 Mpt
#Atten: 50 dB
Radio Std: None
Frequency
Average Power
19.97 dBm
42.69 % at 0dB
10.0 % 3.07 dB
1.0 % 5.18 dB
0.1 % 6.24 dB
0.01 % 6.85 dB
0.001 % 7.24 dB
0.0001 % 7.41 dB
Peak 7.56 dB
27.53 dBm
Gaussian
100 %
10 %
1 %
0.1 %
0.01 %
0.001 %
0.0001 %
0 dB
20 dB
Info BW 25.000 MHz
Center Freq
841.500000 MHz
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
Band26	1.4MHz	QPSK	26797	6RB#0	1.0934	1.253	PASS
Band26	1.4MHz	QPSK	26915	6RB#0	1.0960	1.245	PASS
Band26	1.4MHz	QPSK	27033	6RB#0	1.0905	1.282	PASS
Band26	1.4MHz	16QAM	26797	6RB#0	1.0920	1.264	PASS
Band26	1.4MHz	16QAM	26915	6RB#0	1.0913	1.268	PASS
Band26	1.4MHz	16QAM	27033	6RB#0	1.0903	1.244	PASS
Band26	1.4MHz	64QAM	26797	6RB#0	1.0905	1.252	PASS
Band26	1.4MHz	64QAM	26915	6RB#0	1.0904	1.249	PASS
Band26	1.4MHz	64QAM	27033	6RB#0	1.0927	1.263	PASS
Band26	3MHz	QPSK	26805	15RB#0	2.6958	2.920	PASS
Band26	3MHz	QPSK	26915	15RB#0	2.6901	2.905	PASS
Band26	3MHz	QPSK	27025	15RB#0	2.6953	2.923	PASS
Band26	3MHz	16QAM	26805	15RB#0	2.6907	2.909	PASS
Band26	3MHz	16QAM	26915	15RB#0	2.6908	2.936	PASS
Band26	3MHz	16QAM	27025	15RB#0	2.6908	2.923	PASS
Band26	3MHz	64QAM	26805	15RB#0	2.6954	2.917	PASS
Band26	3MHz	64QAM	26915	15RB#0	2.6967	2.899	PASS
Band26	3MHz	64QAM	27025	15RB#0	2.6952	2.902	PASS
Band26	5MHz	QPSK	26815	25RB#0	4.5022	4.894	PASS
Band26	5MHz	QPSK	26915	25RB#0	4.4926	4.880	PASS
Band26	5MHz	QPSK	27015	25RB#0	4.4917	4.841	PASS
Band26	5MHz	16QAM	26815	25RB#0	4.5011	4.878	PASS
Band26	5MHz	16QAM	26915	25RB#0	4.4973	4.887	PASS
Band26	5MHz	16QAM	27015	25RB#0	4.5022	4.843	PASS
Band26	5MHz	64QAM	26815	25RB#0	4.4960	4.852	PASS
Band26	5MHz	64QAM	26915	25RB#0	4.4918	4.874	PASS
Band26	5MHz	64QAM	27015	25RB#0	4.4900	4.867	PASS
Band26	10MHz	QPSK	26840	50RB#0	8.9811	9.552	PASS
Band26	10MHz	QPSK	26915	50RB#0	8.9693	9.539	PASS
Band26	10MHz	QPSK	26990	50RB#0	8.9598	9.549	PASS
Band26	10MHz	16QAM	26840	50RB#0	8.9666	9.552	PASS
Band26	10MHz	16QAM	26915	50RB#0	8.9678	9.551	PASS
Band26	10MHz	16QAM	26990	50RB#0	8.9595	9.556	PASS
Band26	10MHz	64QAM	26840	50RB#0	8.9654	9.551	PASS
Band26	10MHz	64QAM	26915	50RB#0	8.9609	9.514	PASS
Band26	10MHz	64QAM	26990	50RB#0	8.9544	9.536	PASS
Band26	15MHz	QPSK	26865	75RB#0	13.469	14.30	PASS
Band26	15MHz	QPSK	26915	75RB#0	13.444	14.31	PASS
Band26	15MHz	QPSK	26965	75RB#0	13.441	14.25	PASS
Band26	15MHz	16QAM	26865	75RB#0	13.448	14.29	PASS
Band26	15MHz	16QAM	26915	75RB#0	13.440	14.27	PASS

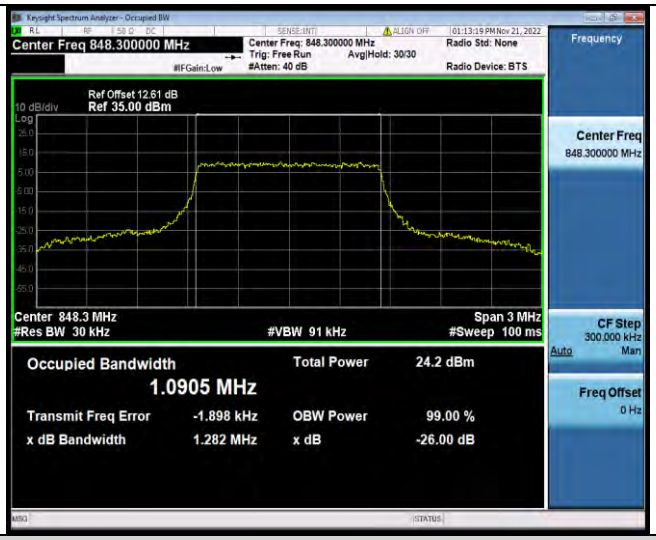
Band26	15MHz	16QAM	26965	75RB#0	13.438	14.26	PASS
Band26	15MHz	64QAM	26865	75RB#0	13.451	14.26	PASS
Band26	15MHz	64QAM	26915	75RB#0	13.449	14.26	PASS
Band26	15MHz	64QAM	26965	75RB#0	13.456	14.25	PASS

Test Graphs

Band26-1.4MHz-QPSK-26797-6RB#0

Band26-1.4MHz-QPSK-26915-6RB#0

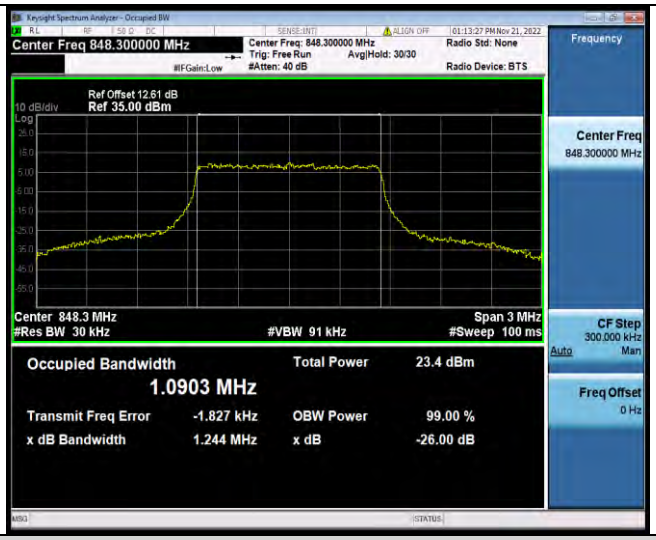
Band26-1.4MHz-QPSK-27033-6RB#0



Band26-1.4MHz-16QAM-26797-6RB#0

Band26-1.4MHz-16QAM-26915-6RB#0

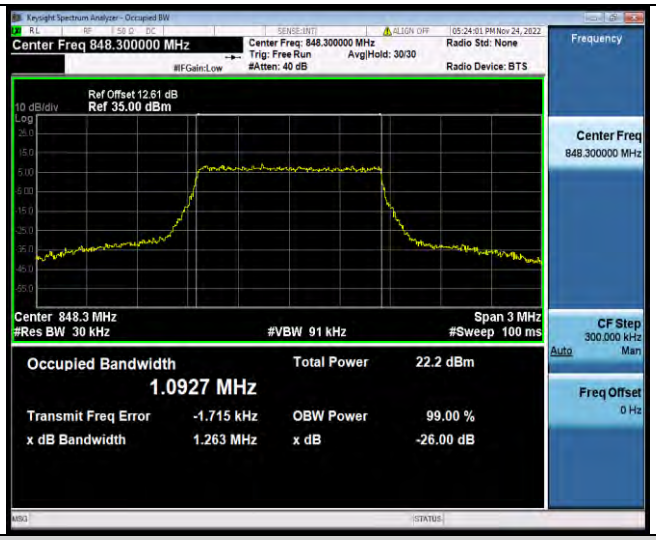
Band26-1.4MHz-16QAM-27033-6RB#0



Band26-1.4MHz-64QAM-26797-6RB#0

Band26-1.4MHz-64QAM-26915-6RB#0

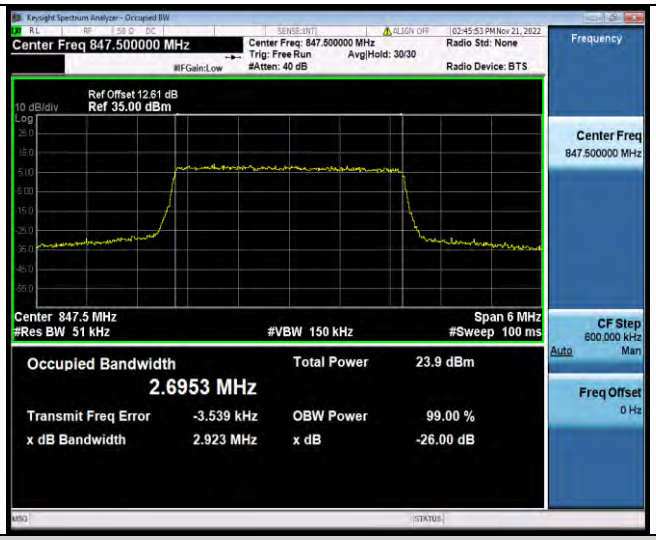
Band26-1.4MHz-64QAM-27033-6RB#0



Band26-3MHz-QPSK-26805-15RB#0

Band26-3MHz-QPSK-26915-15RB#0

Band26-3MHz-QPSK-27025-15RB#0



Band26-3MHz-16QAM-26805-15RB#0

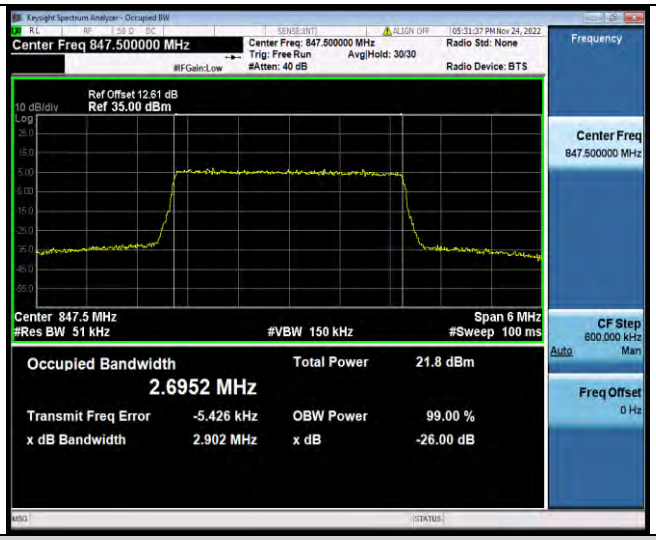
Band26-3MHz-16QAM-26915-15RB#0

Band26-3MHz-16QAM-27025-15RB#0

Band26-3MHz-64QAM-26805-15RB#0

Band26-3MHz-64QAM-26915-15RB#0

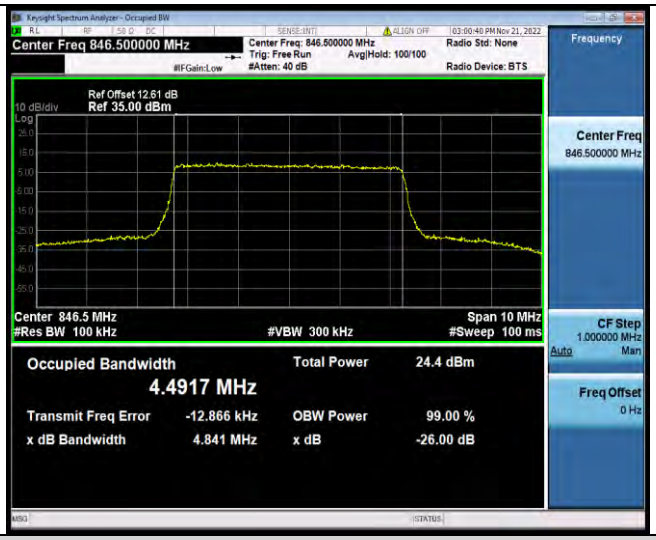
Band26-3MHz-64QAM-27025-15RB#0



Band26-5MHz-QPSK-26815-25RB#0

Band26-5MHz-QPSK-26915-25RB#0

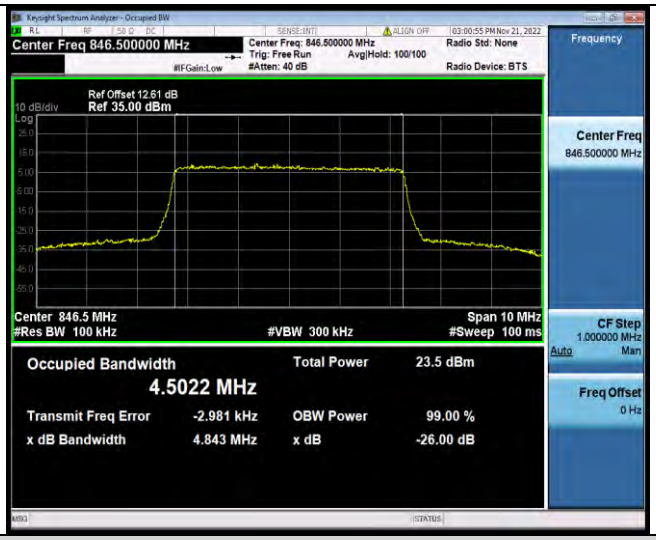
Band26-5MHz-QPSK-27015-25RB#0



Band26-5MHz-16QAM-26815-25RB#0

Band26-5MHz-16QAM-26915-25RB#0

Band26-5MHz-16QAM-27015-25RB#0



Band26-5MHz-64QAM-26815-25RB#0

Band26-5MHz-64QAM-26915-25RB#0

Band26-5MHz-64QAM-27015-25RB#0

Band26-10MHz-QPSK-26840-50RB#0

Band26-10MHz-QPSK-26915-50RB#0

Band26-10MHz-QPSK-26990-50RB#0

Band26-10MHz-16QAM-26840-50RB#0

Band26-10MHz-16QAM-26915-50RB#0

Band26-10MHz-16QAM-26990-50RB#0

Band26-10MHz-64QAM-26840-50RB#0

Band26-10MHz-64QAM-26915-50RB#0

Band26-10MHz-64QAM-26990-50RB#0

Band26-15MHz-QPSK-26865-75RB#0

Band26-15MHz-QPSK-26915-75RB#0

Band26-15MHz-QPSK-26965-75RB#0

Band26-15MHz-16QAM-26865-75RB#0

Band26-15MHz-16QAM-26915-75RB#0

Band26-15MHz-16QAM-26965-75RB#0

Band26-15MHz-64QAM-26865-75RB#0

Band26-15MHz-64QAM-26915-75RB#0

Band26-15MHz-64QAM-26965-75RB#0

Keysight Spectrum Analyzer - Occupied BW
Center Freq 841.500000 MHz
Center Freq: 841.500000 MHz
Trig: Free Run
Avg|Hold: 30/30
#Atten: 40 dB
Radio Std: None
Radio Device: BTS
Frequency
Ref Offset 12.61 dB
10 dB/div
Ref 35.00 dBm
Center Freq
841.500000 MHz
Center 841.5 MHz
#Res BW 300 kHz
#VBW 910 kHz
Span 30 MHz
#Sweep 100 ms
CF Step
3.000000 MHz
Auto
Man
Occupied Bandwidth
13.456 MHz
Total Power
20.8 dBm
Transmit Freq Error
-29.010 kHz
OBW Power
99.00 %
x dB Bandwidth
14.25 MHz
x dB
-26.00 dB
Freq Offset
0 Hz

BAND EDGE

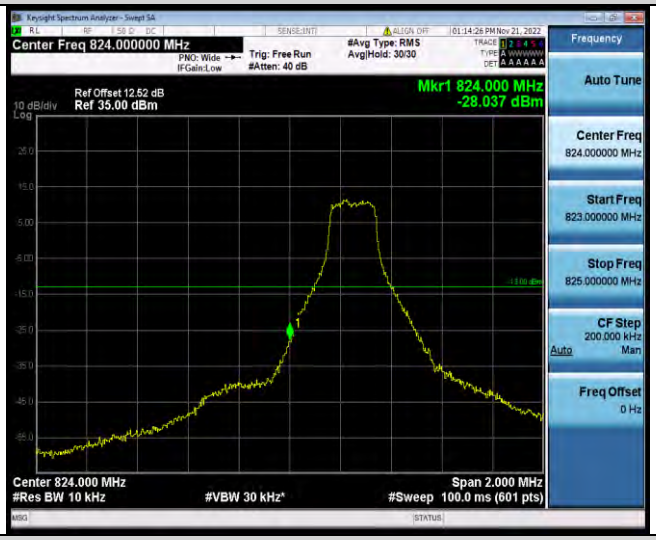
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band26	1.4MHz	QPSK	26797	1RB#0	-28.04	PASS
Band26	1.4MHz	QPSK	26797	6RB#0	-26.31	PASS
Band26	1.4MHz	QPSK	27033	1RB#5	-27.08	PASS
Band26	1.4MHz	QPSK	27033	6RB#0	-25.34	PASS
Band26	1.4MHz	16QAM	26797	1RB#0	-29.44	PASS
Band26	1.4MHz	16QAM	26797	6RB#0	-27.61	PASS
Band26	1.4MHz	16QAM	27033	1RB#5	-28.63	PASS
Band26	1.4MHz	16QAM	27033	6RB#0	-27.54	PASS
Band26	1.4MHz	64QAM	26797	1RB#0	-31.11	PASS
Band26	1.4MHz	64QAM	26797	6RB#0	-29.74	PASS
Band26	1.4MHz	64QAM	27033	1RB#5	-30.42	PASS
Band26	1.4MHz	64QAM	27033	6RB#0	-30.68	PASS
Band26	3MHz	QPSK	26805	1RB#0	-27.49	PASS
Band26	3MHz	QPSK	26805	15RB#0	-25.21	PASS
Band26	3MHz	QPSK	27025	1RB#14	-25.74	PASS
Band26	3MHz	QPSK	27025	15RB#0	-26.33	PASS
Band26	3MHz	16QAM	26805	1RB#0	-28.38	PASS
Band26	3MHz	16QAM	26805	15RB#0	-25.77	PASS
Band26	3MHz	16QAM	27025	1RB#14	-26.39	PASS
Band26	3MHz	16QAM	27025	15RB#0	-27.07	PASS
Band26	3MHz	64QAM	26805	1RB#0	-31.08	PASS
Band26	3MHz	64QAM	26805	15RB#0	-28.93	PASS
Band26	3MHz	64QAM	27025	1RB#14	-30.01	PASS
Band26	3MHz	64QAM	27025	15RB#0	-28.91	PASS
Band26	5MHz	QPSK	26815	1RB#0	-29.59	PASS
Band26	5MHz	QPSK	26815	25RB#0	-25.06	PASS
Band26	5MHz	QPSK	27015	1RB#24	-29.51	PASS
Band26	5MHz	QPSK	27015	25RB#0	-25.49	PASS
Band26	5MHz	16QAM	26815	1RB#0	-31.06	PASS
Band26	5MHz	16QAM	26815	25RB#0	-25.89	PASS
Band26	5MHz	16QAM	27015	1RB#24	-30.75	PASS
Band26	5MHz	16QAM	27015	25RB#0	-27.13	PASS
Band26	5MHz	64QAM	26815	1RB#0	-31.36	PASS
Band26	5MHz	64QAM	26815	25RB#0	-26.61	PASS
Band26	5MHz	64QAM	27015	1RB#24	-30.84	PASS
Band26	5MHz	64QAM	27015	25RB#0	-29.10	PASS
Band26	10MHz	QPSK	26840	1RB#0	-41.48	PASS
Band26	10MHz	QPSK	26840	50RB#0	-26.45	PASS
Band26	10MHz	QPSK	26990	1RB#49	-41.40	PASS
Band26	10MHz	QPSK	26990	50RB#0	-27.67	PASS
Band26	10MHz	16QAM	26840	1RB#0	-42.79	PASS
Band26	10MHz	16QAM	26840	50RB#0	-28.13	PASS
Band26	10MHz	16QAM	26990	1RB#49	-40.97	PASS
Band26	10MHz	16QAM	26990	50RB#0	-29.67	PASS

Band26	10MHz	64QAM	26840	1RB#0	-44.32	PASS
Band26	10MHz	64QAM	26840	50RB#0	-30.46	PASS
Band26	10MHz	64QAM	26990	1RB#49	-42.59	PASS
Band26	10MHz	64QAM	26990	50RB#0	-32.73	PASS
Band26	15MHz	QPSK	26865	1RB#0	-40.89	PASS
Band26	15MHz	QPSK	26865	75RB#0	-27.58	PASS
Band26	15MHz	QPSK	26965	1RB#74	-41.03	PASS
Band26	15MHz	QPSK	26965	75RB#0	-27.66	PASS
Band26	15MHz	16QAM	26865	1RB#0	-41.65	PASS
Band26	15MHz	16QAM	26865	75RB#0	-29.51	PASS
Band26	15MHz	16QAM	26965	1RB#74	-40.97	PASS
Band26	15MHz	16QAM	26965	75RB#0	-30.29	PASS
Band26	15MHz	64QAM	26865	1RB#0	-43.38	PASS
Band26	15MHz	64QAM	26865	75RB#0	-32.27	PASS
Band26	15MHz	64QAM	26965	1RB#74	-43.59	PASS
Band26	15MHz	64QAM	26965	75RB#0	-33.48	PASS

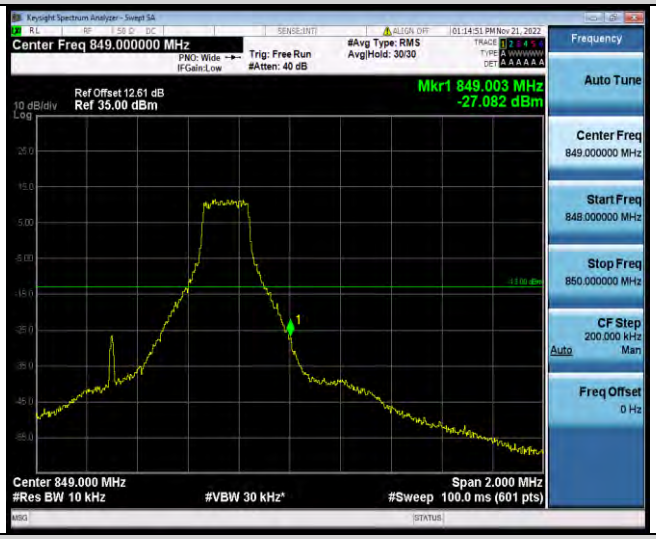
Test Graphs

Band26-1.4MHz-QPSK-26797-1RB#0



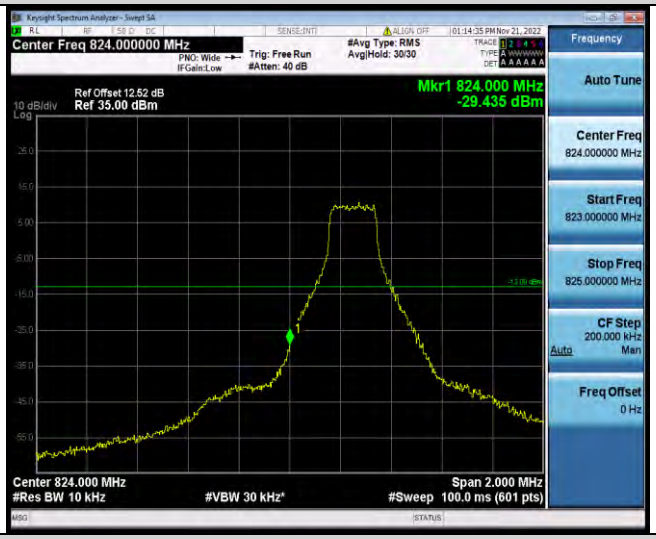
Band26-1.4MHz-QPSK-26797-6RB#0

Band26-1.4MHz-QPSK-27033-1RB#5



Band26-1.4MHz-QPSK-27033-6RB#0

Band26-1.4MHz-16QAM-26797-1RB#0



Band26-1.4MHz-16QAM-26797-6RB#0

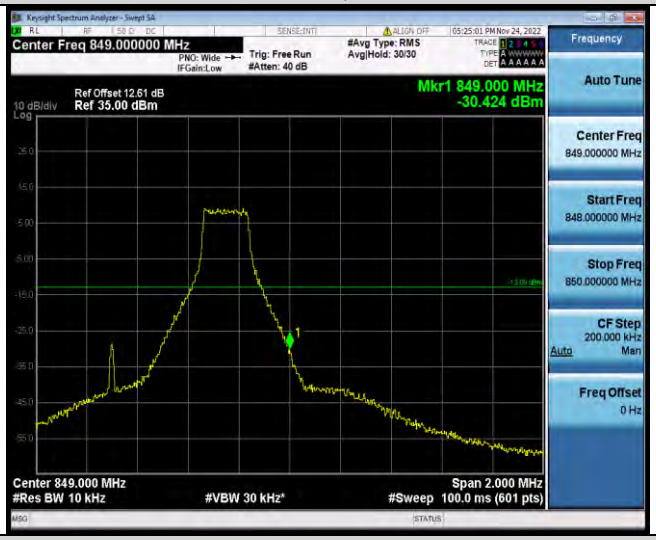
Band26-1.4MHz-16QAM-27033-1RB#5

Band26-1.4MHz-16QAM-27033-6RB#0

Band26-1.4MHz-64QAM-26797-1RB#0

Band26-1.4MHz-64QAM-26797-6RB#0

Band26-1.4MHz-64QAM-27033-1RB#5

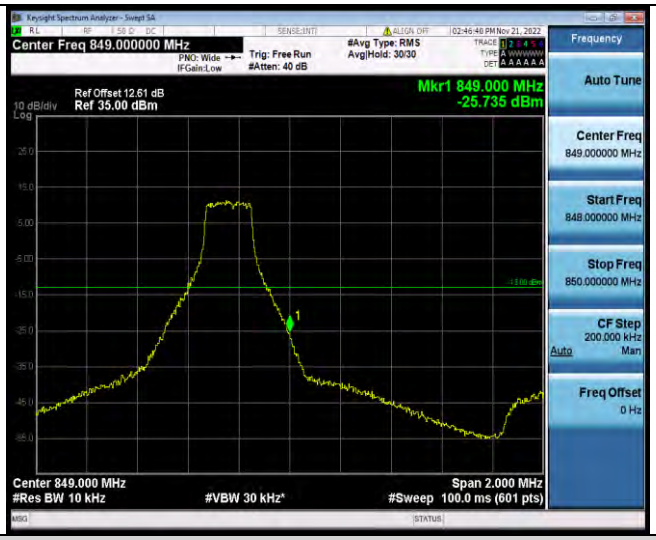


Band26-1.4MHz-64QAM-27033-6RB#0

Band26-3MHz-QPSK-26805-1RB#0

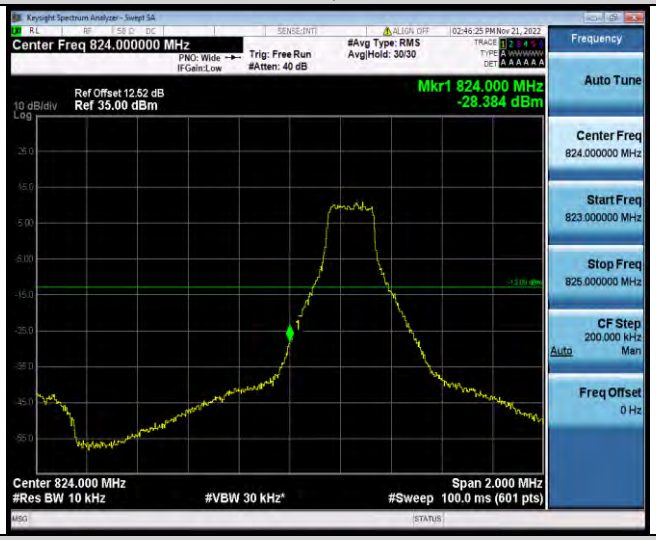
Band26-3MHz-QPSK-26805-15RB#0

Band26-3MHz-QPSK-27025-1RB#14



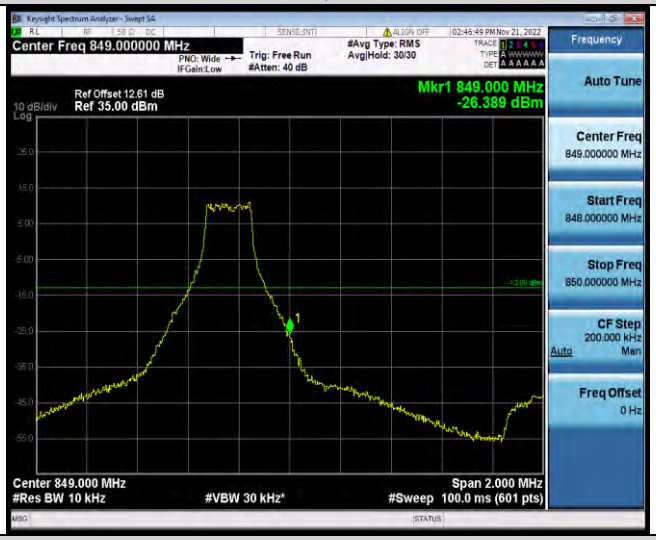
Band26-3MHz-QPSK-27025-15RB#0

Band26-3MHz-16QAM-26805-1RB#0



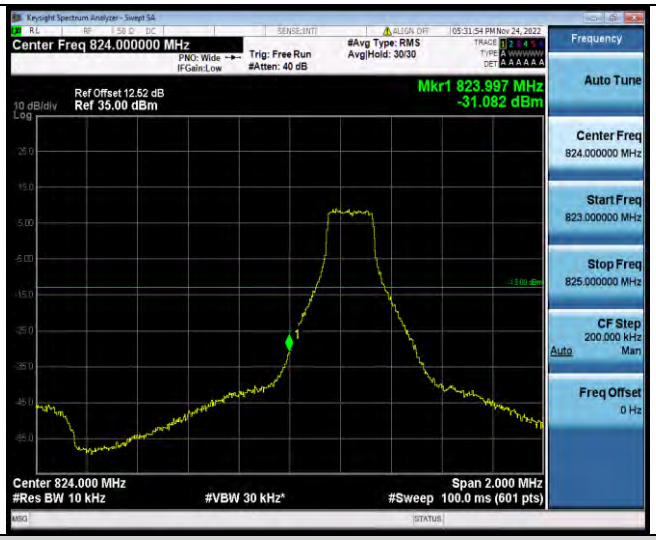
Band26-3MHz-16QAM-26805-15RB#0

Band26-3MHz-16QAM-27025-1RB#14



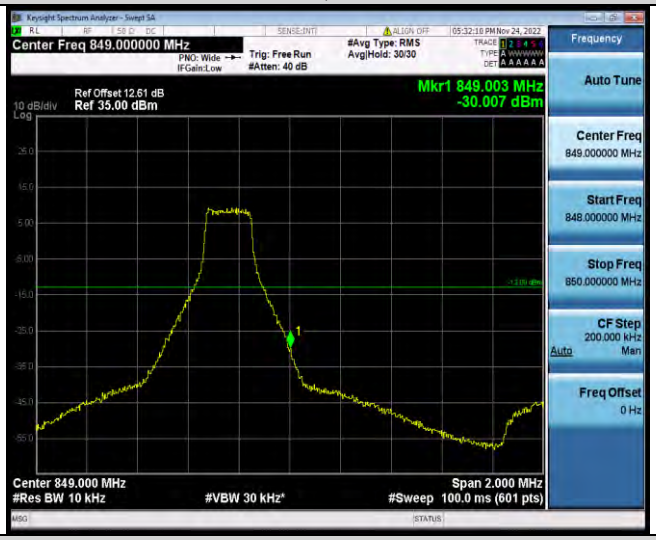
Band26-3MHz-16QAM-27025-15RB#0

Band26-3MHz-64QAM-26805-1RB#0



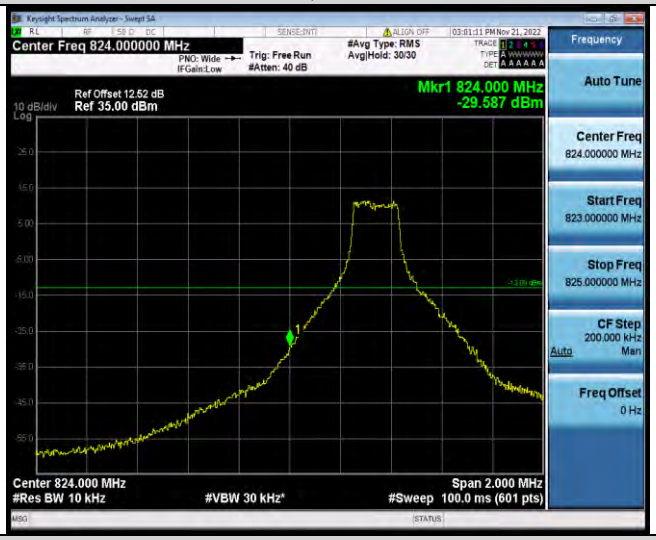
Band26-3MHz-64QAM-26805-15RB#0

Band26-3MHz-64QAM-27025-1RB#14



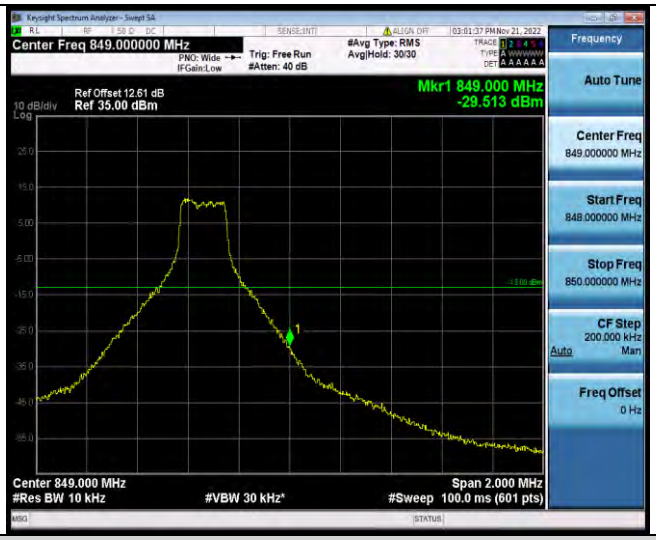
Band26-3MHz-64QAM-27025-15RB#0

Band26-5MHz-QPSK-26815-1RB#0



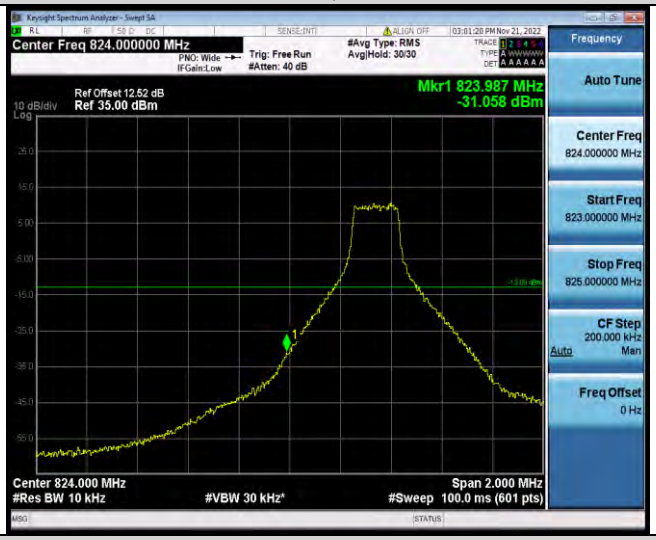
Band26-5MHz-QPSK-26815-25RB#0

Band26-5MHz-QPSK-27015-1RB#24



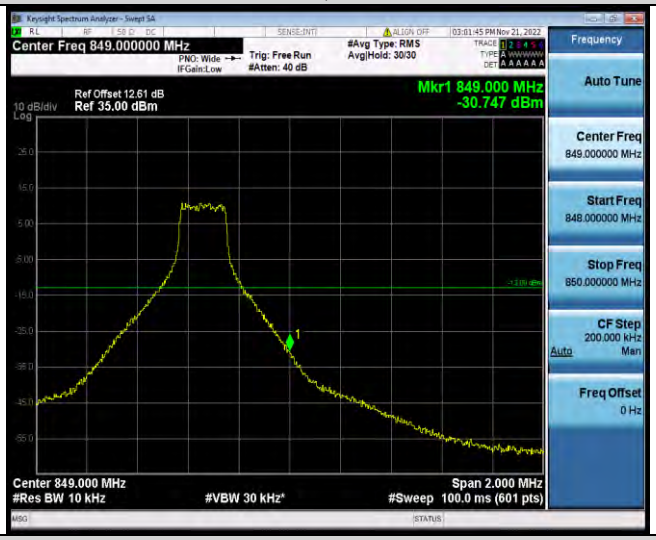
Band26-5MHz-QPSK-27015-25RB#0

Band26-5MHz-16QAM-26815-1RB#0



Band26-5MHz-16QAM-26815-25RB#0

Band26-5MHz-16QAM-27015-1RB#24



Band26-5MHz-16QAM-27015-25RB#0

Band26-5MHz-64QAM-26815-1RB#0