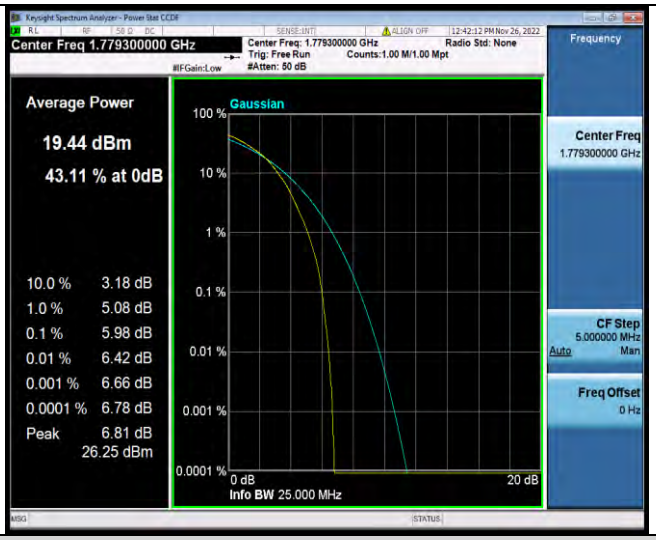

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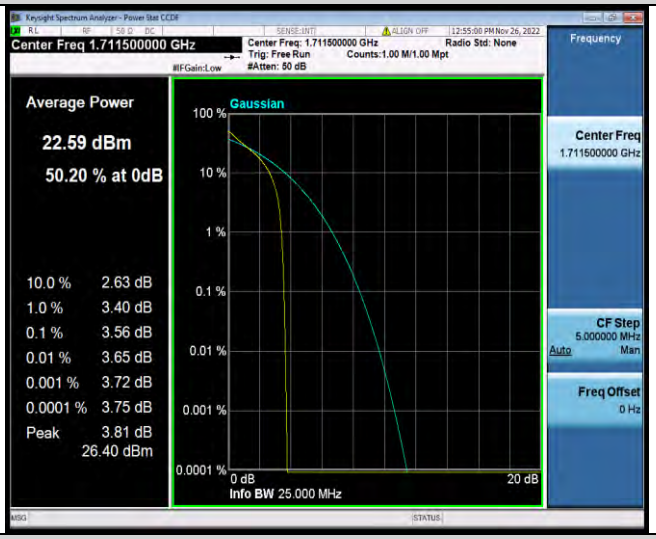

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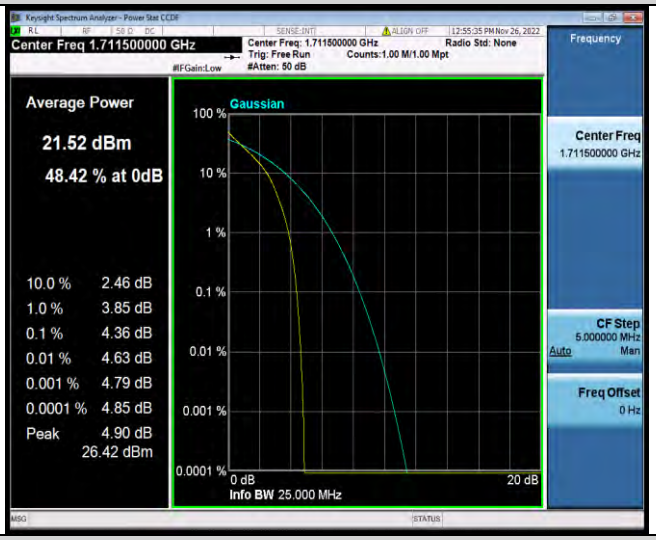

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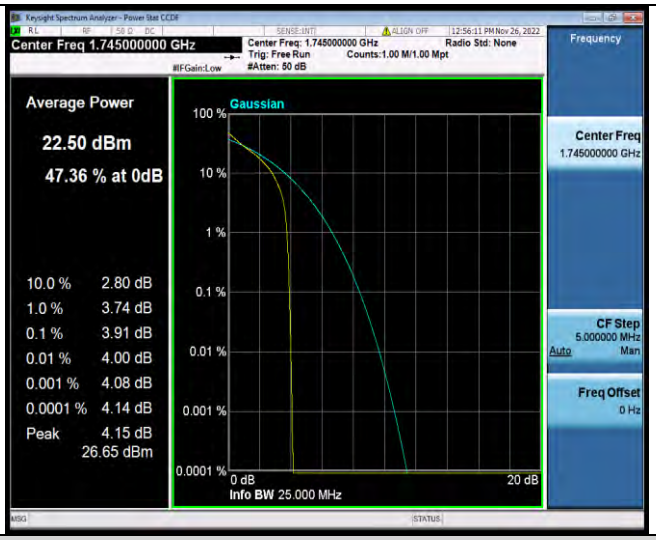

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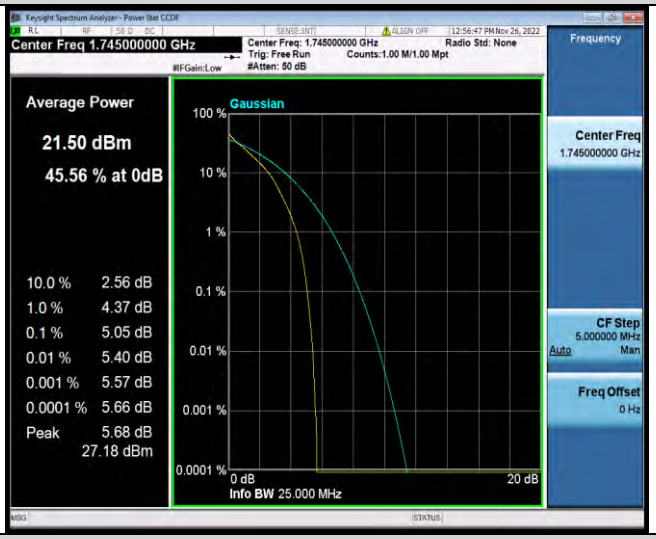

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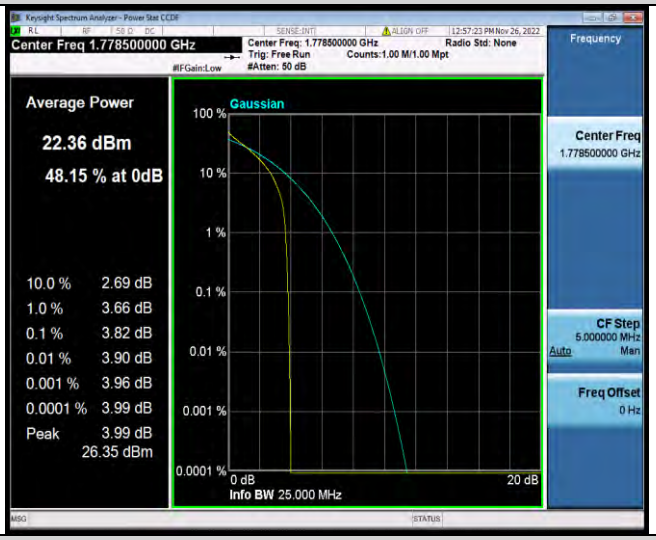

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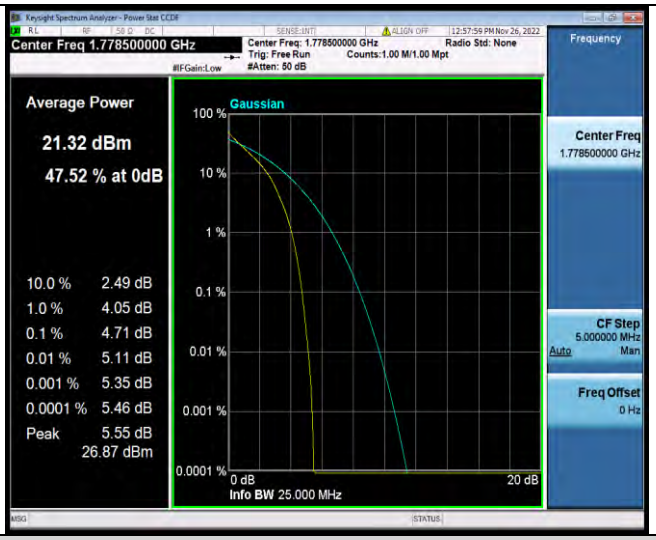

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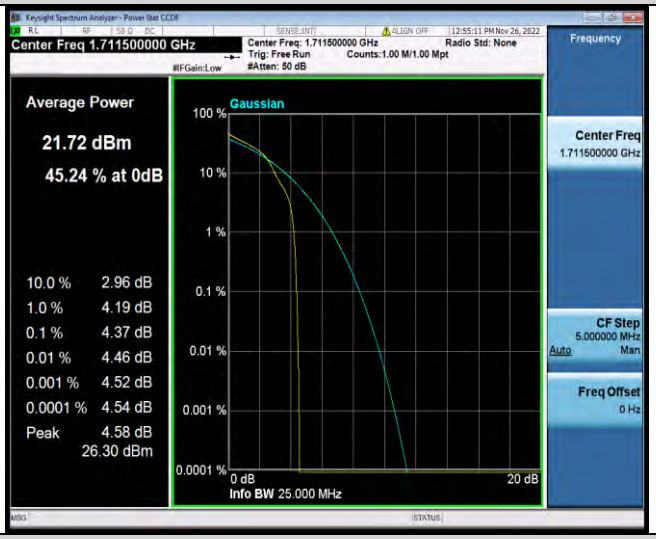

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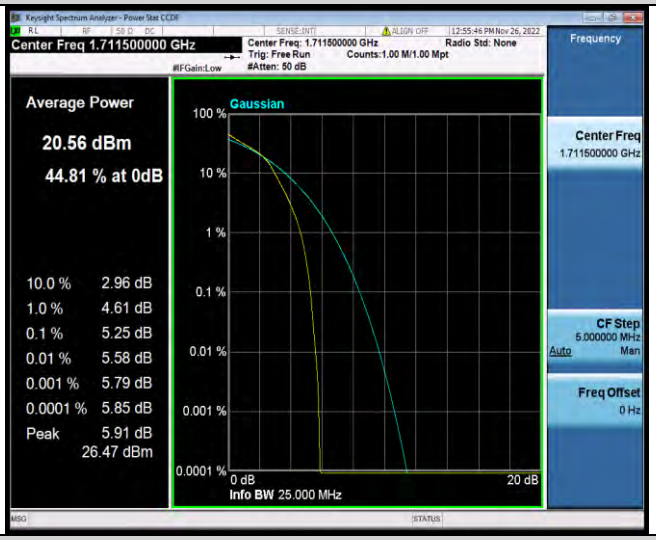

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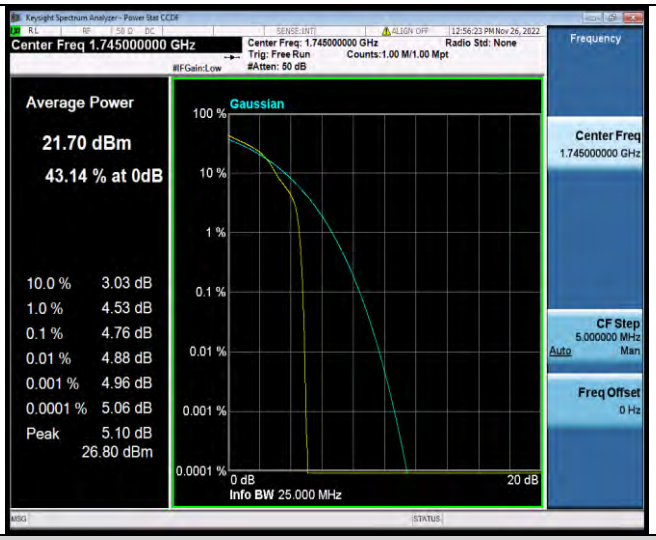

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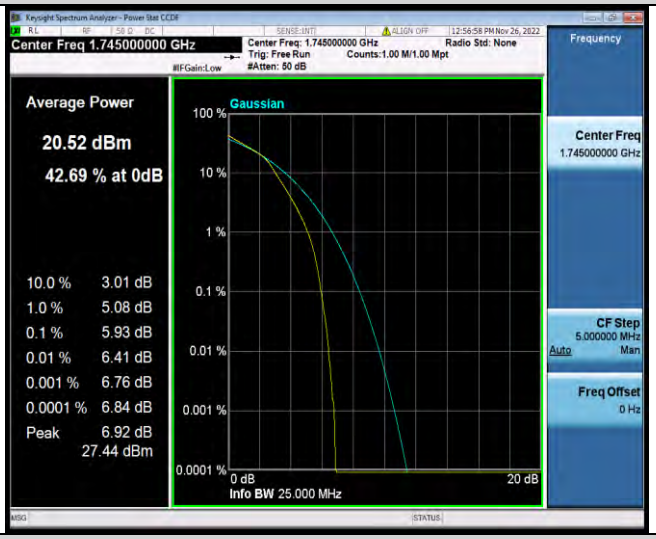

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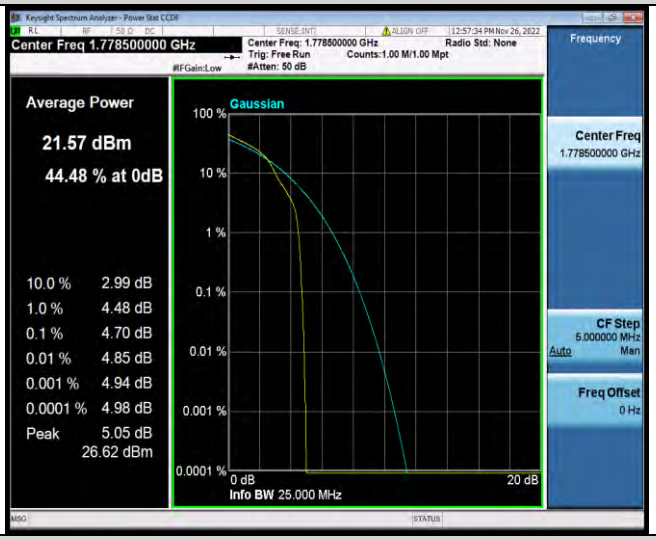

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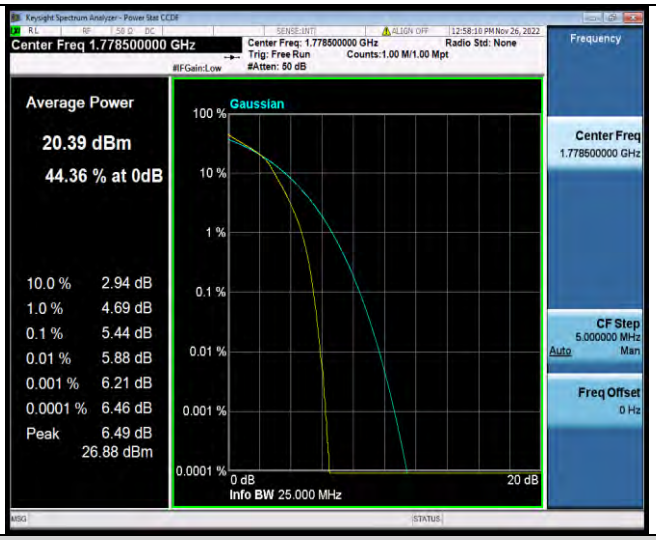

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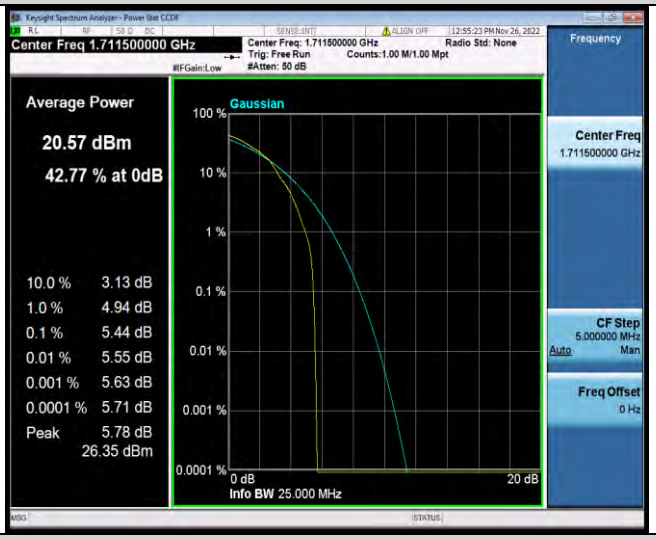

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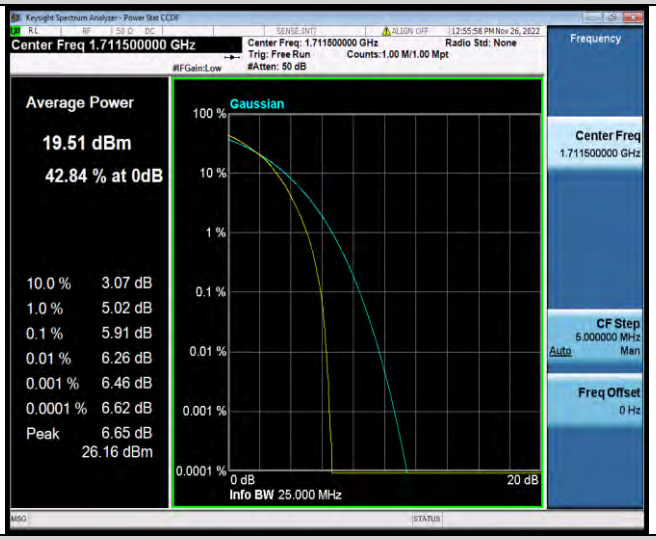

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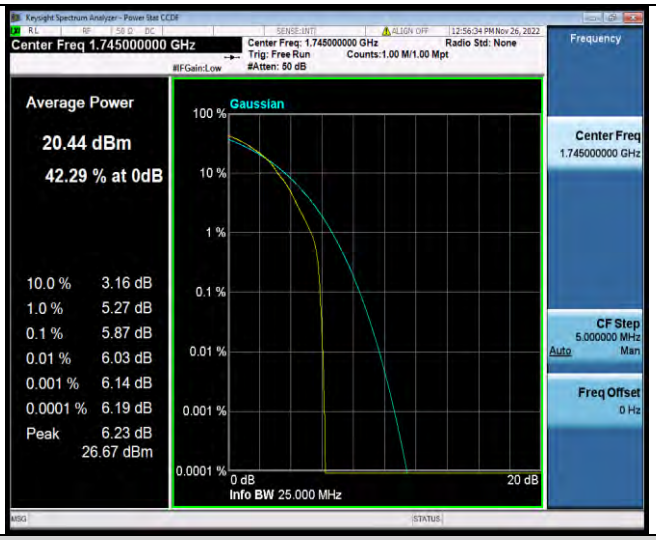

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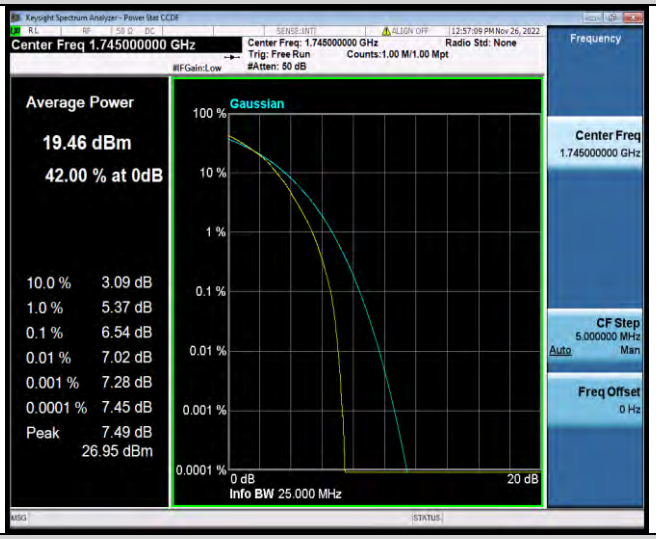

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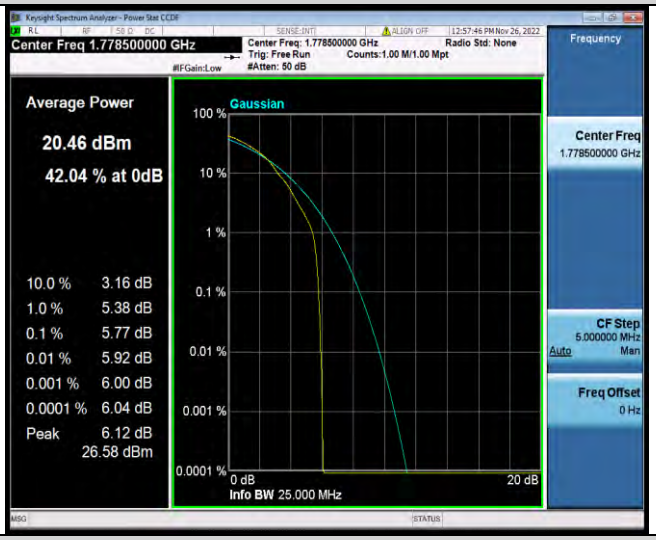

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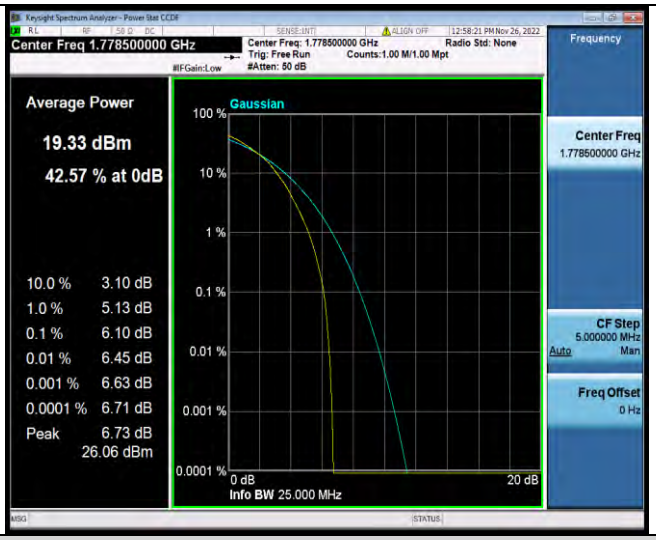

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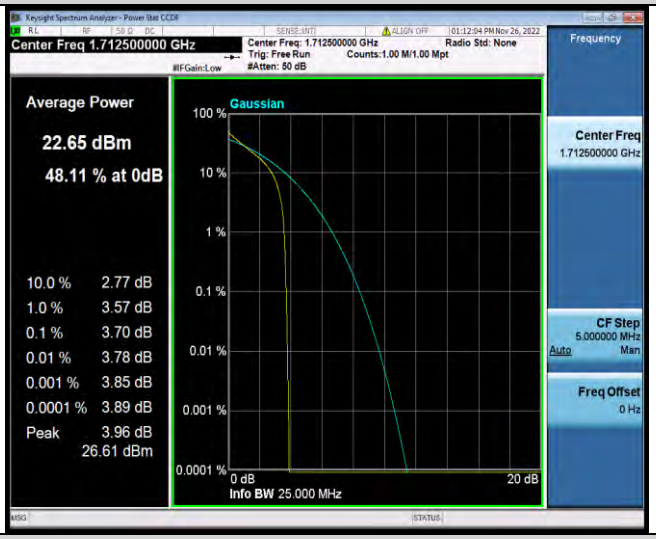

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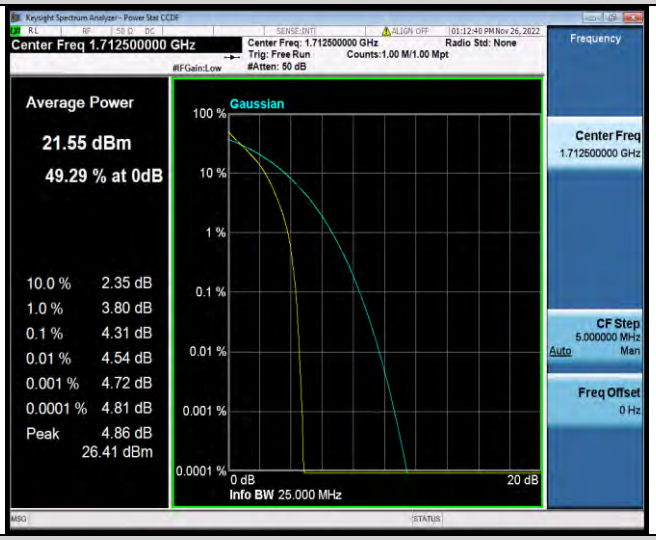

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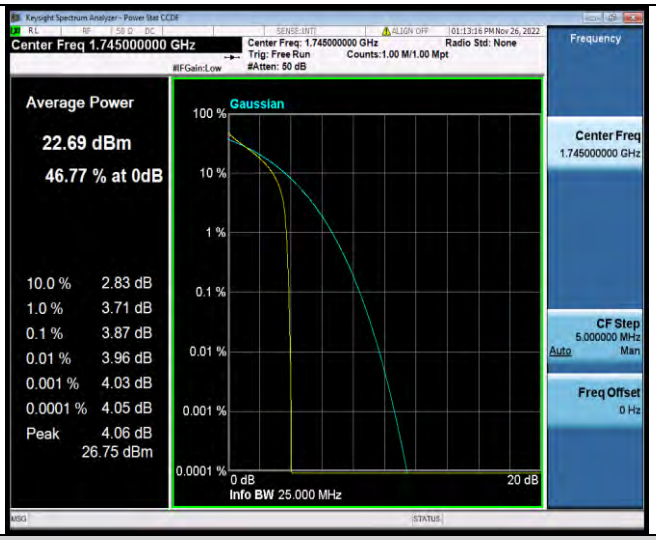

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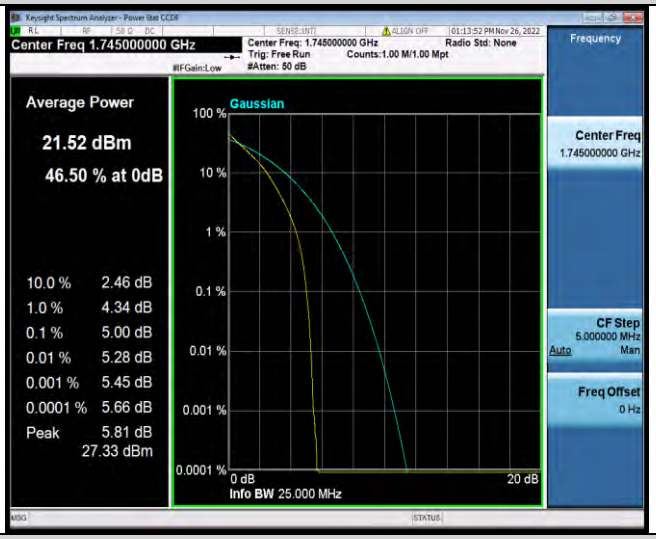

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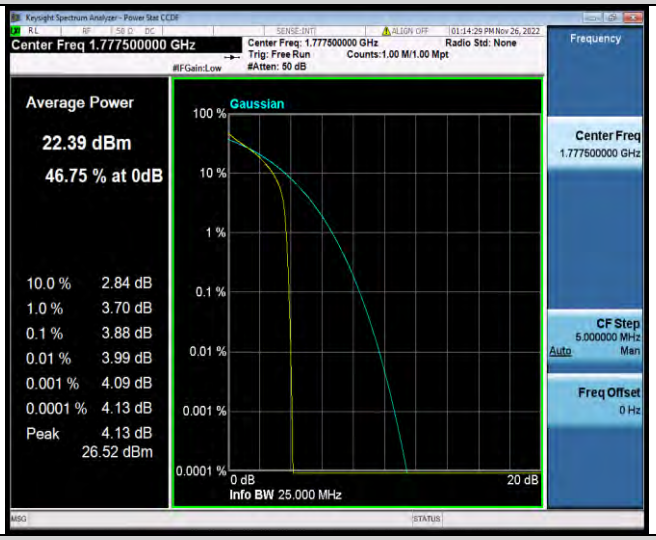

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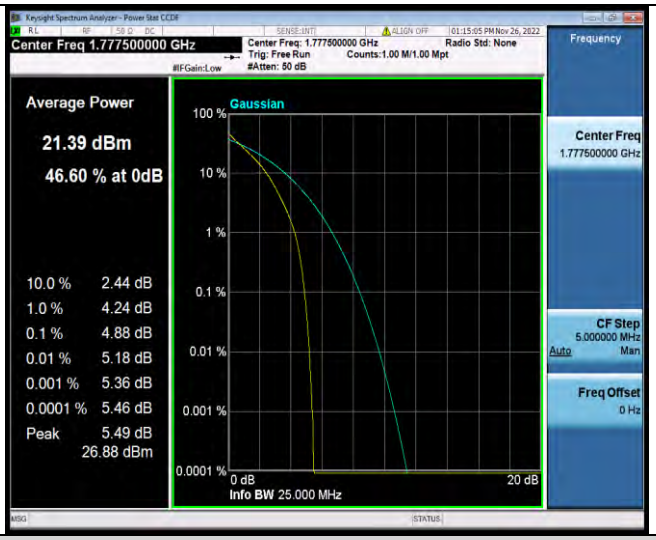

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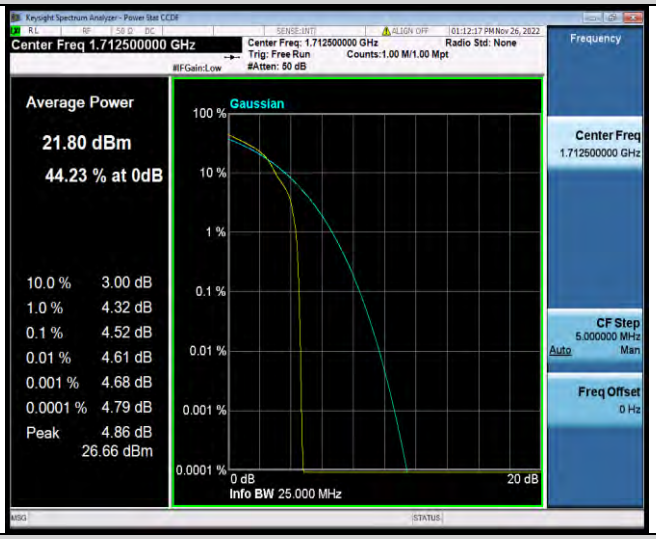

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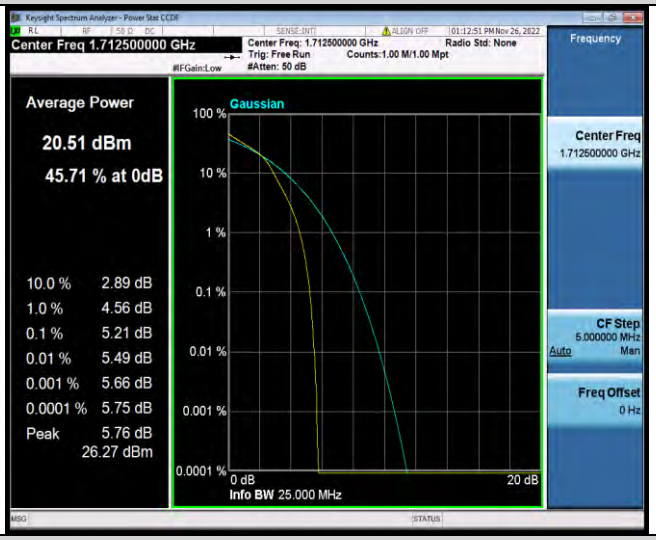

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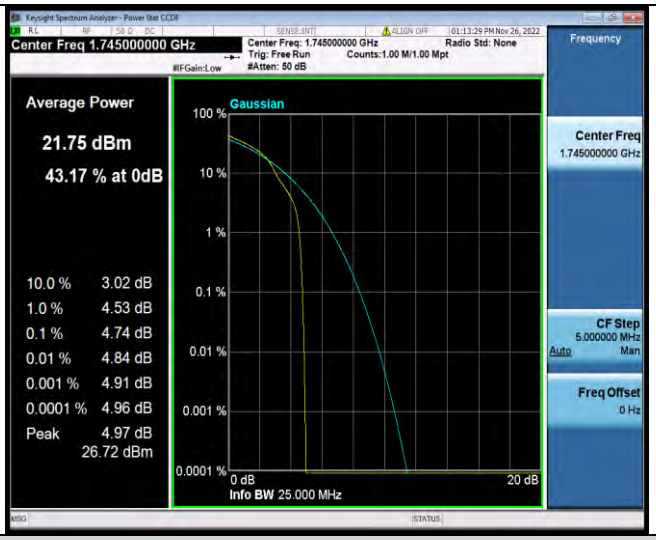

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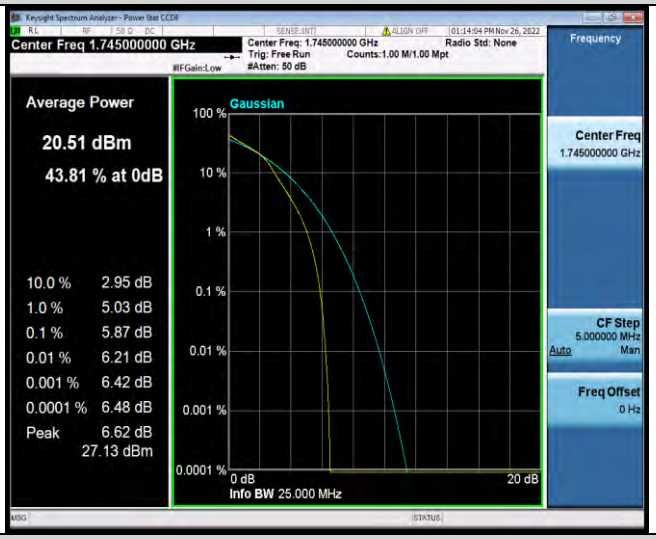

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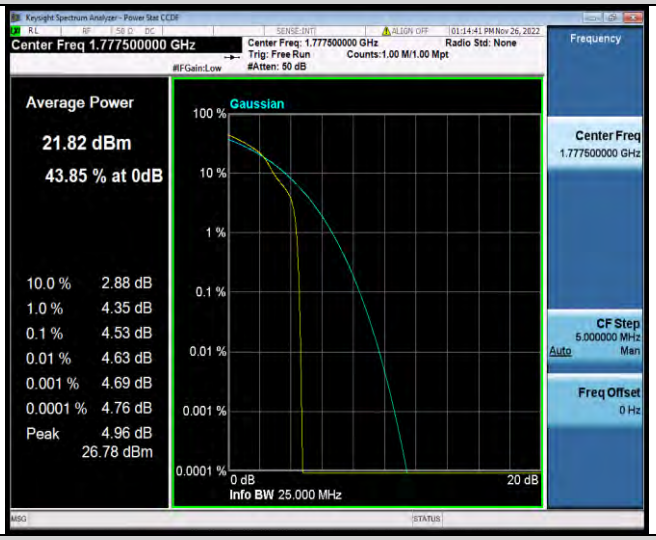

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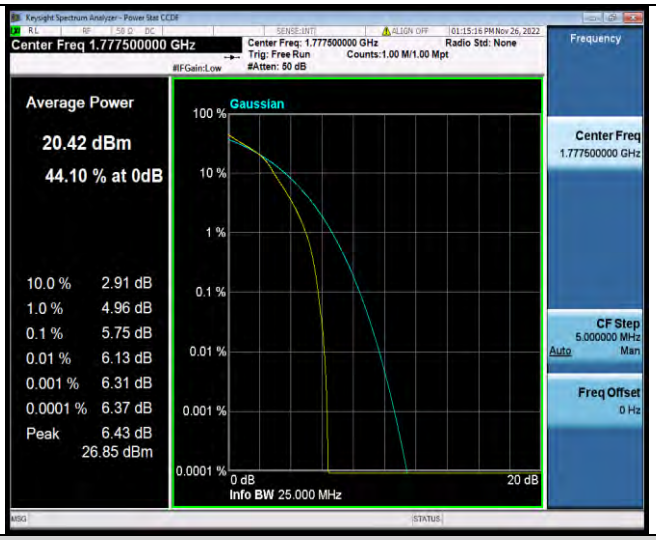

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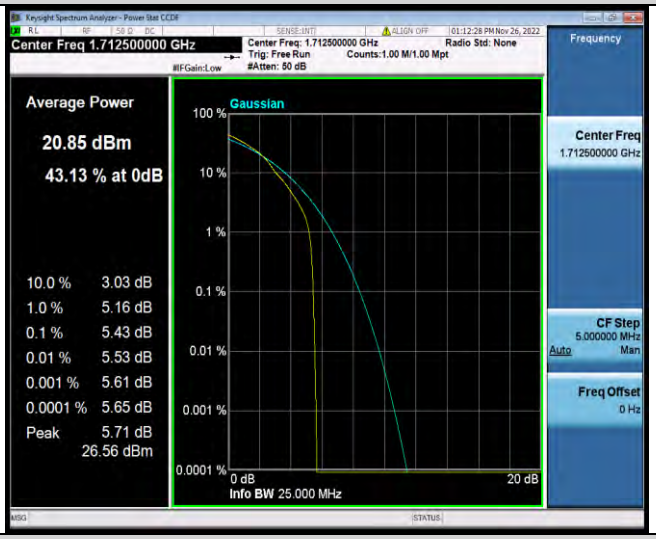

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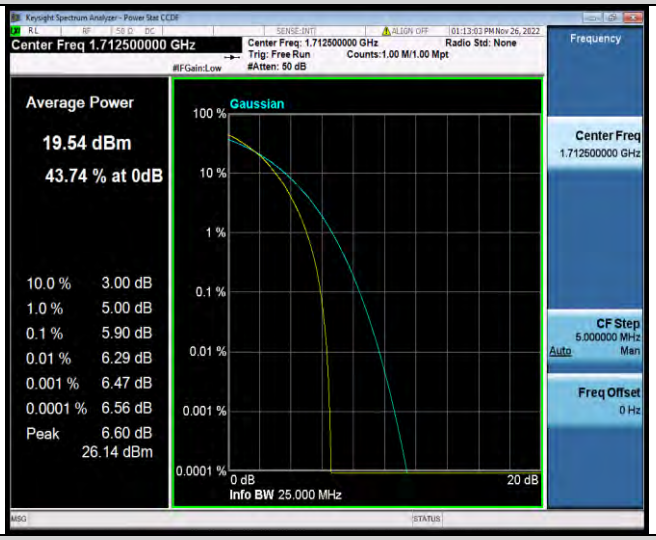

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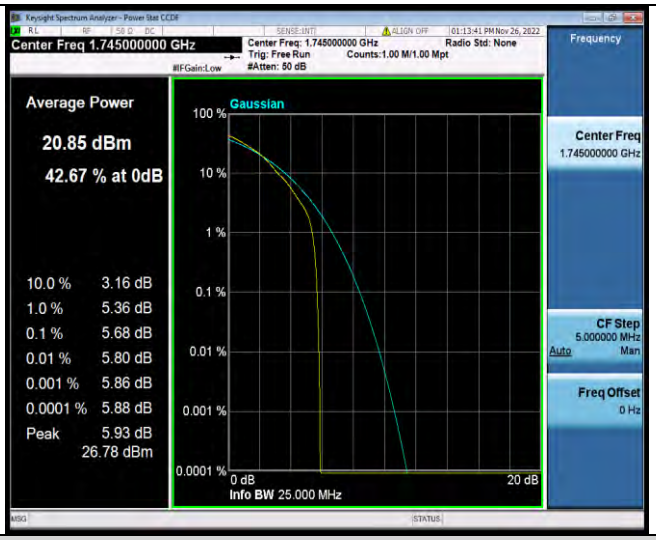

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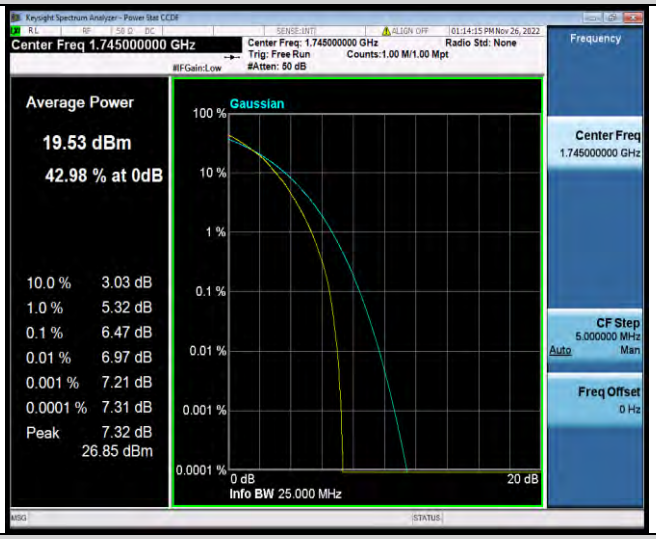

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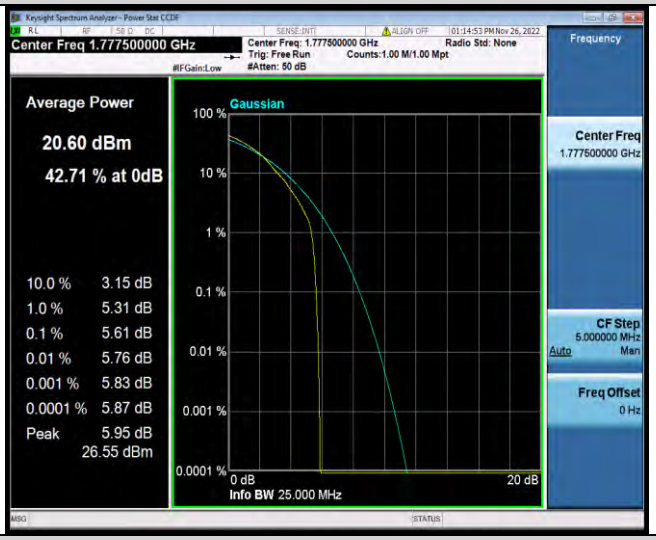

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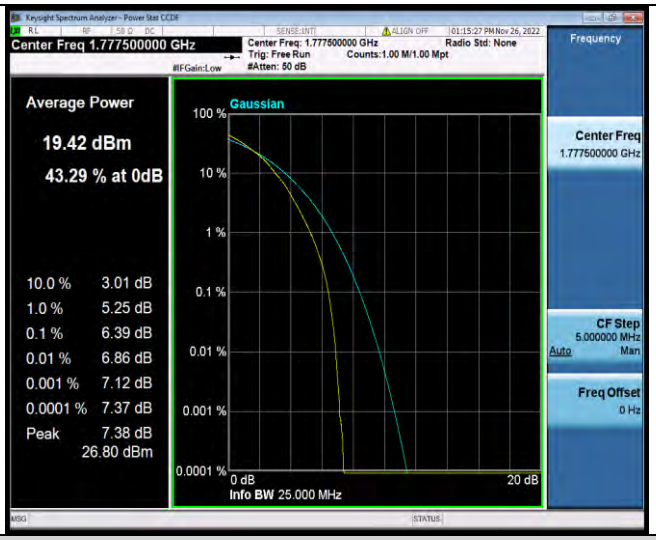

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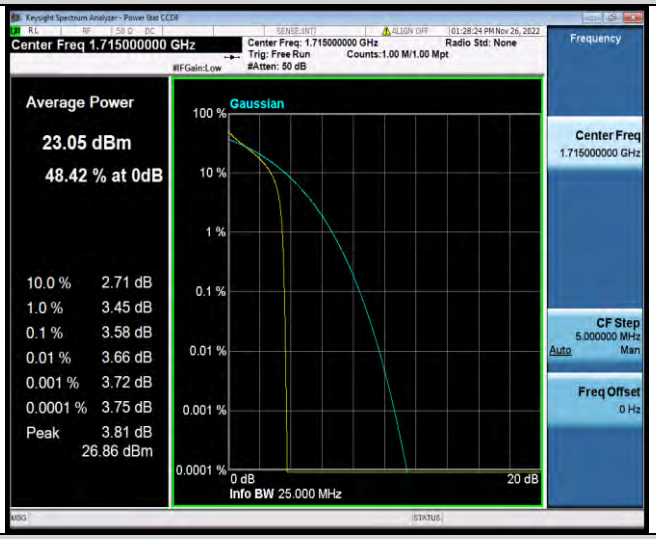

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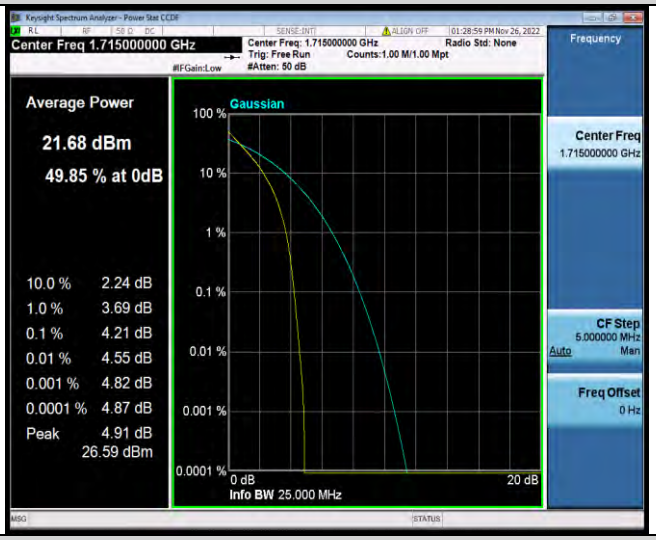

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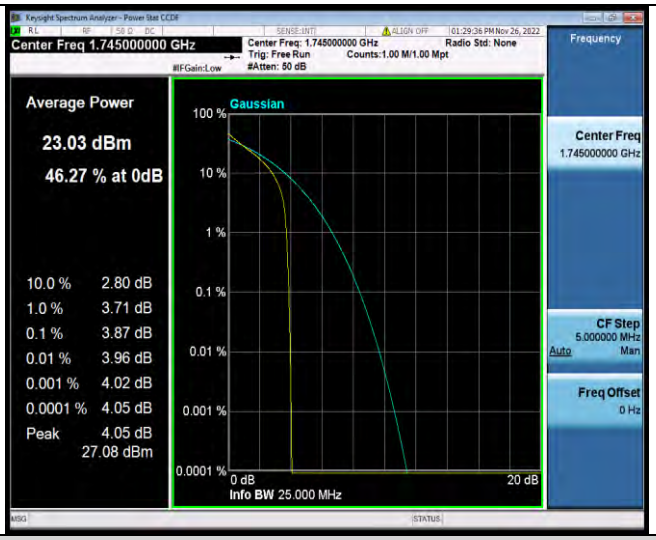

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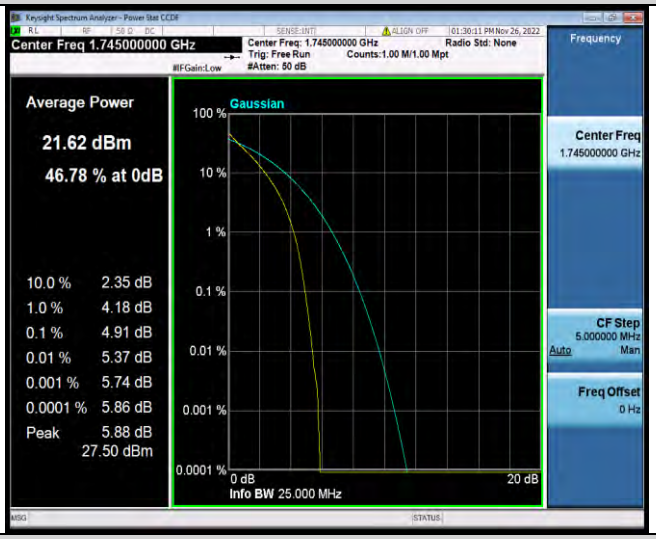

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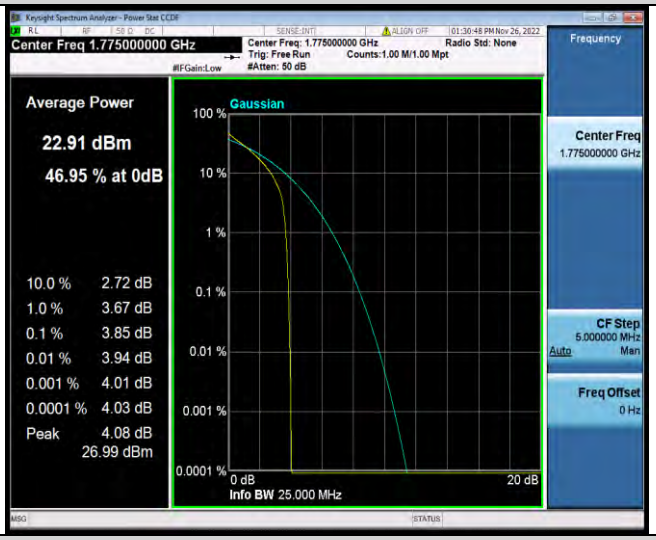

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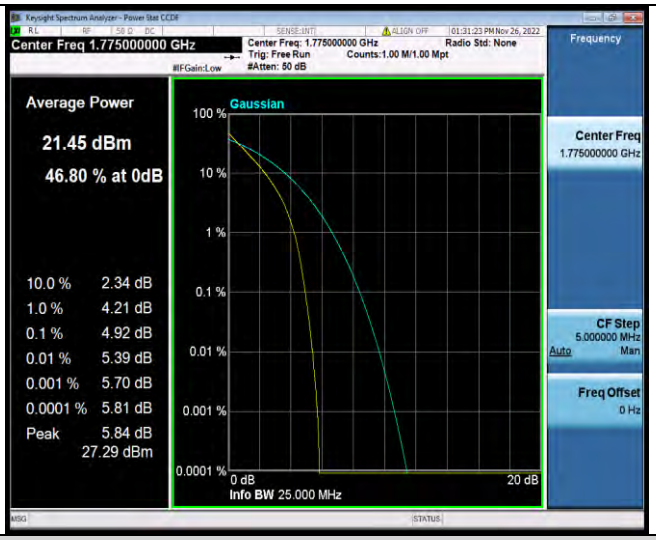

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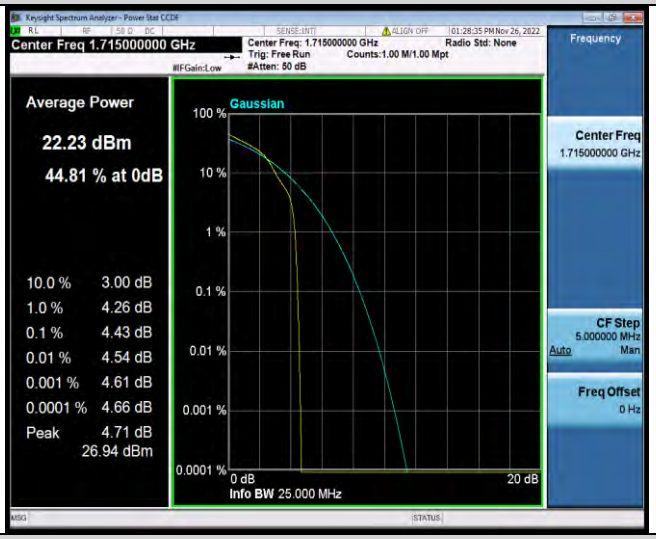

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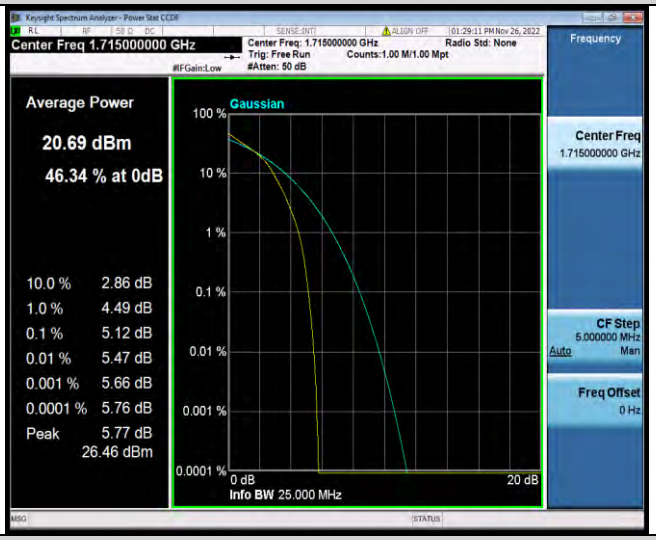

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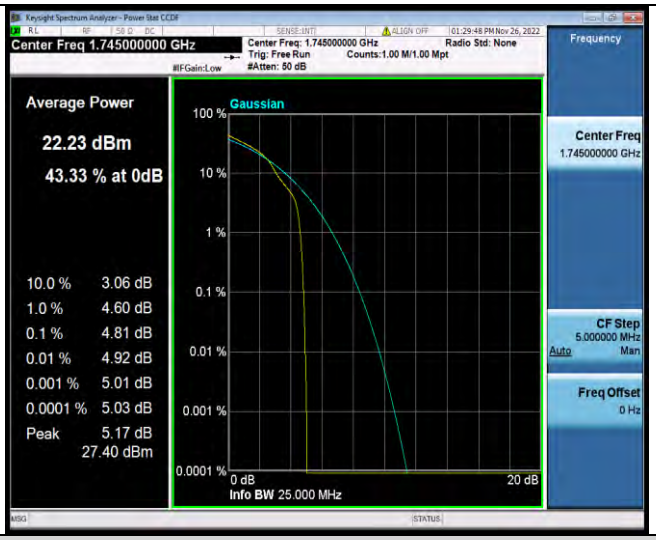

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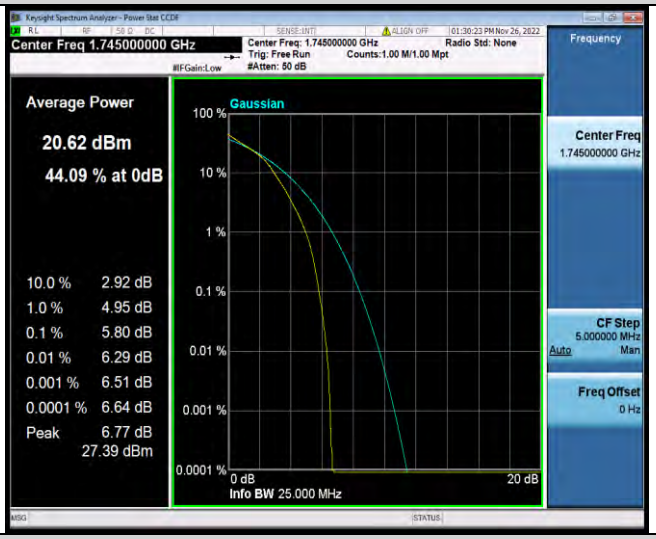

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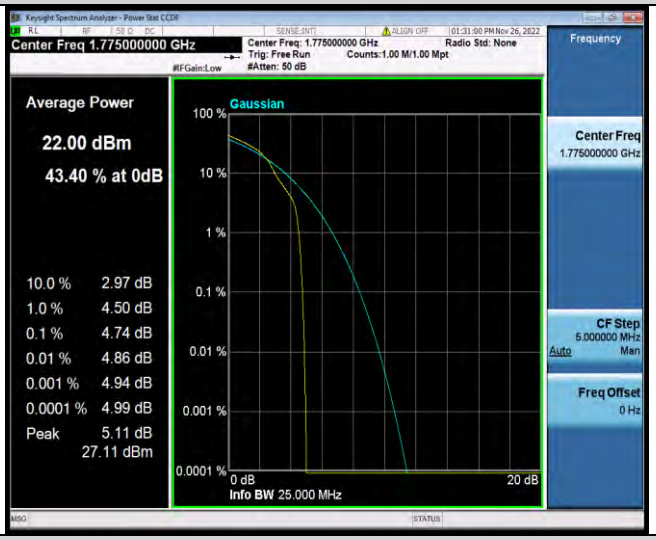

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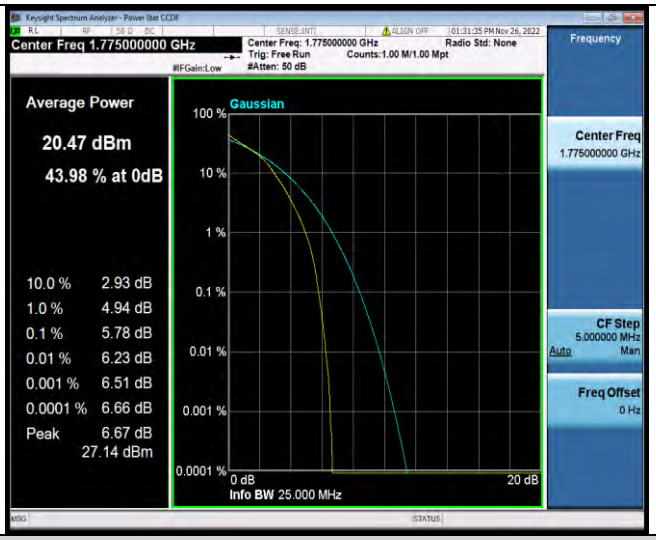

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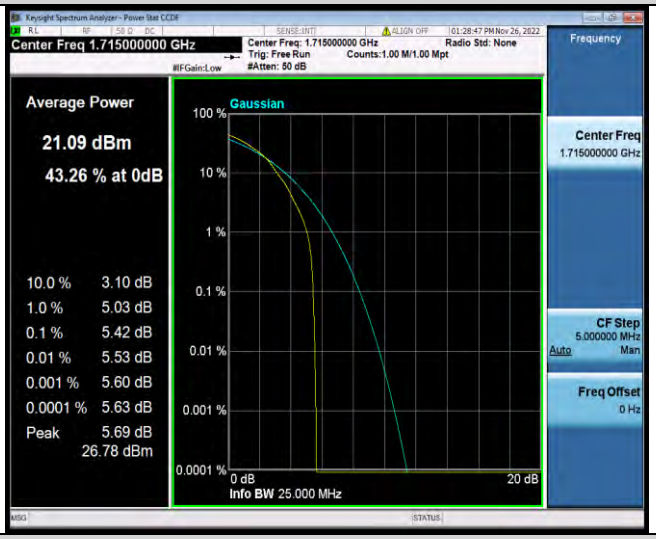

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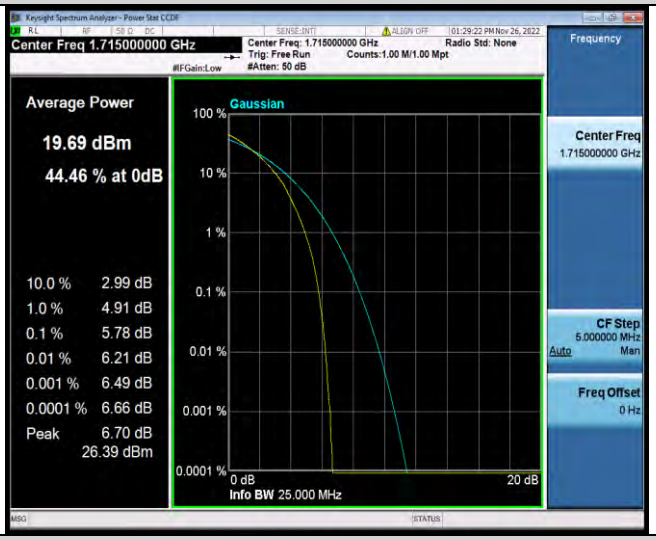

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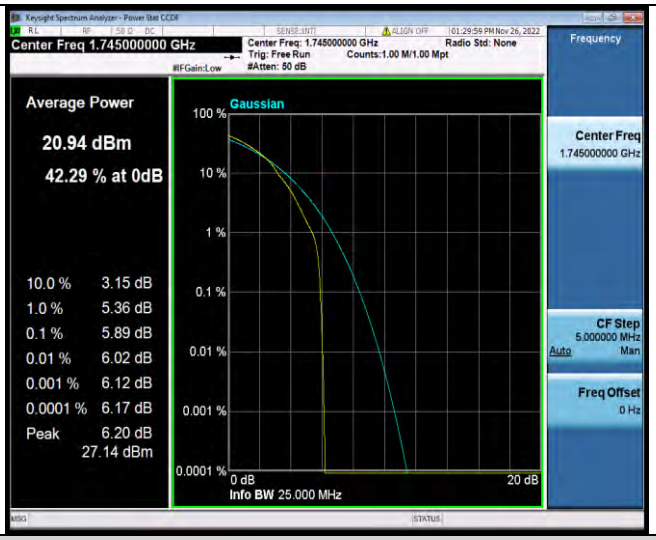

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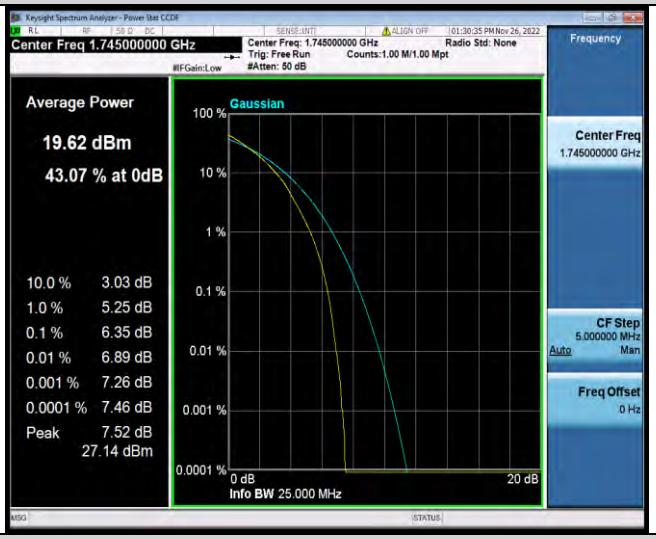

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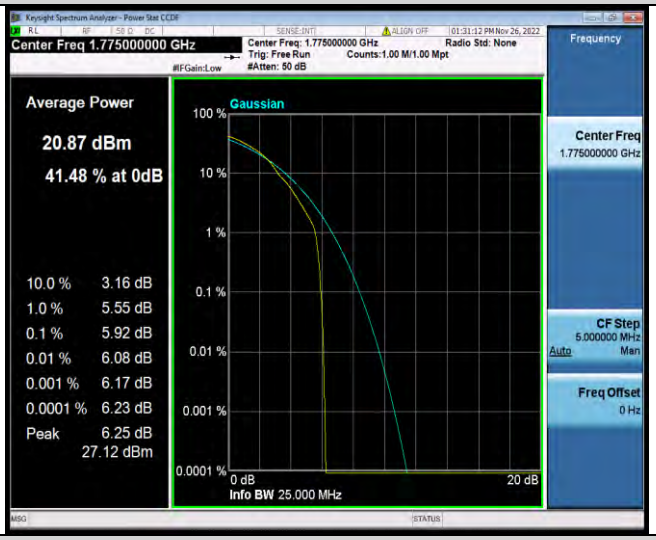

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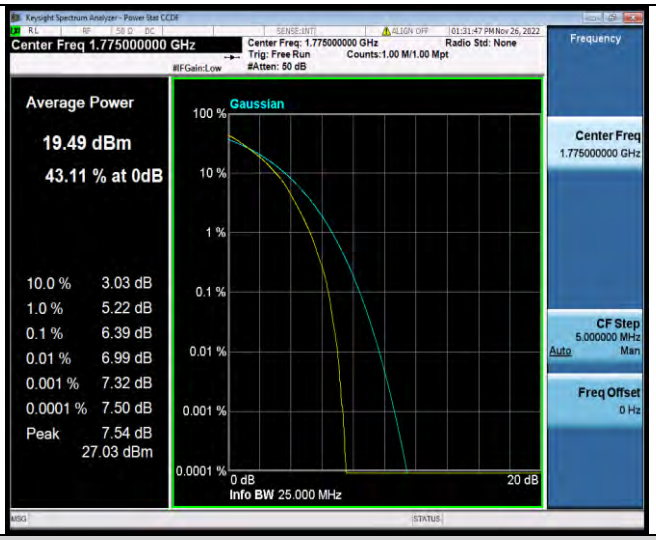
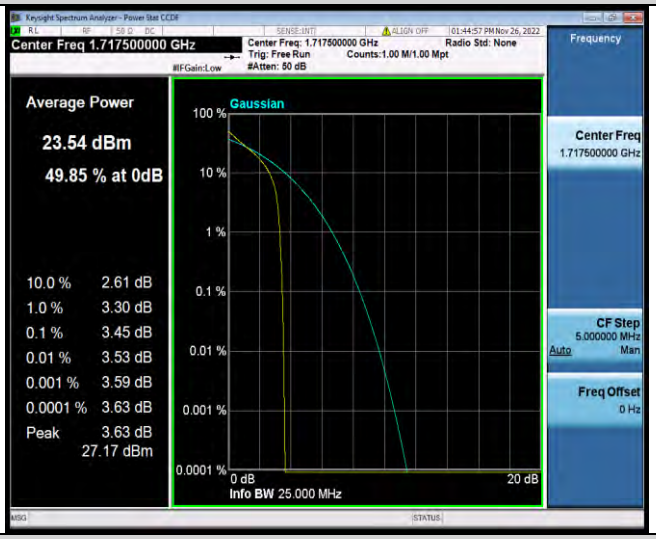


Band66-15MHz-QPSK-132047-1RB#0



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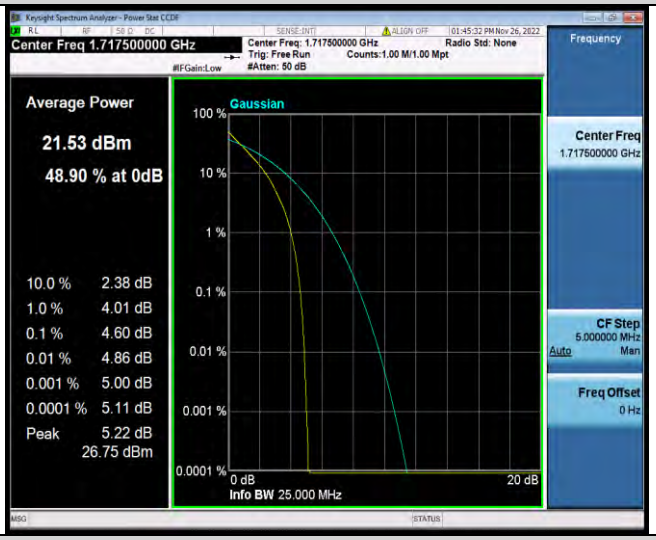

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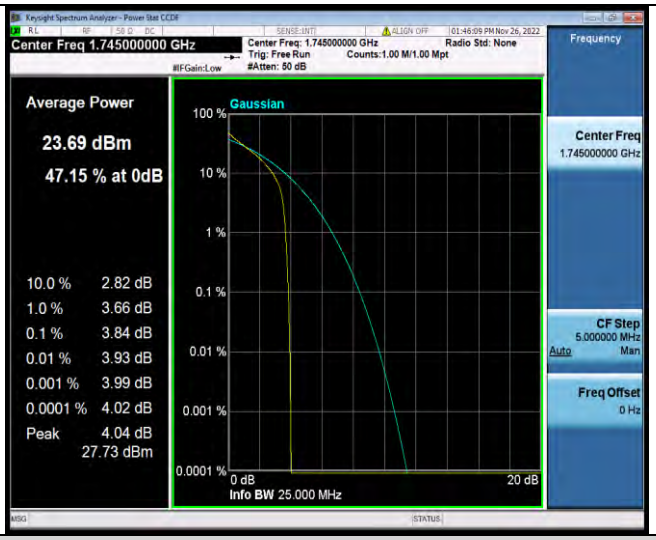

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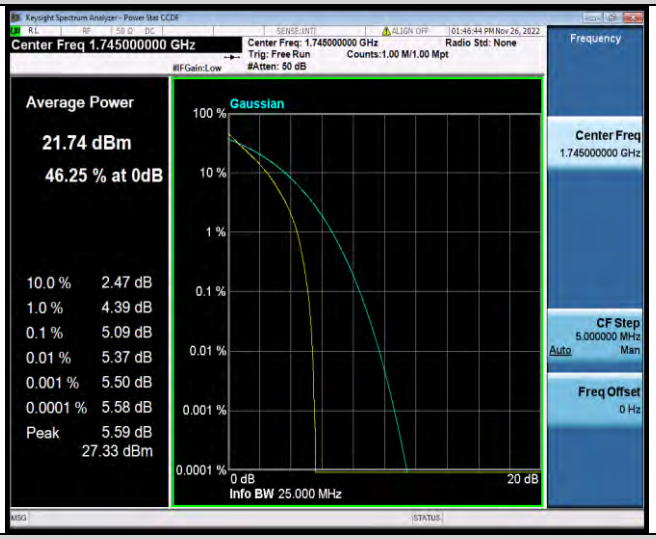

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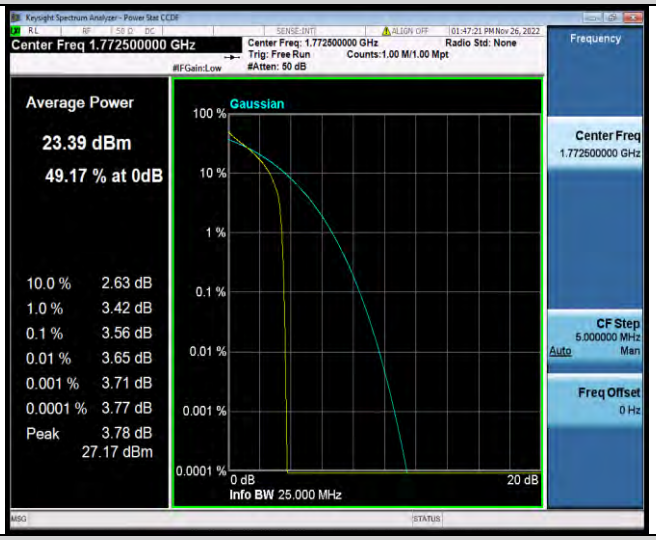

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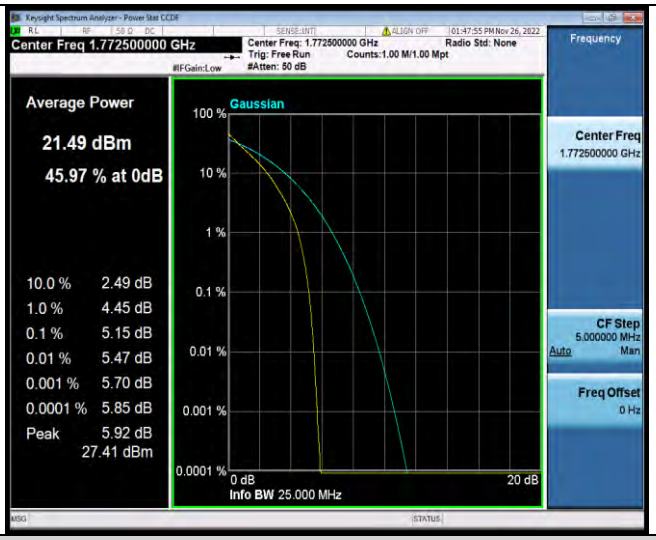

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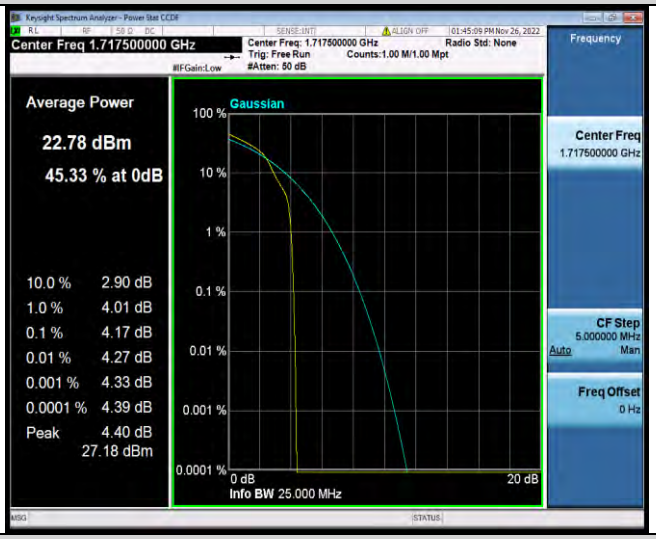

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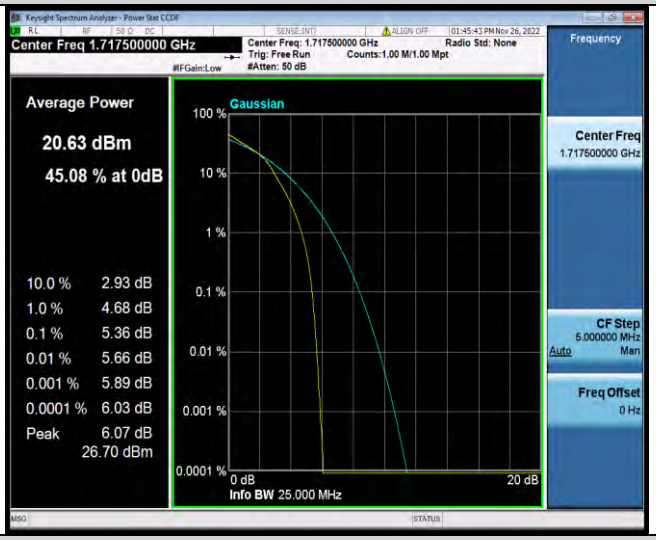

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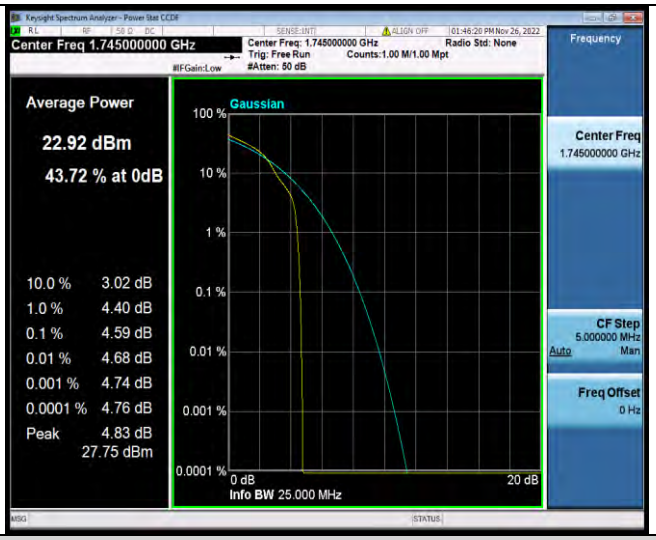

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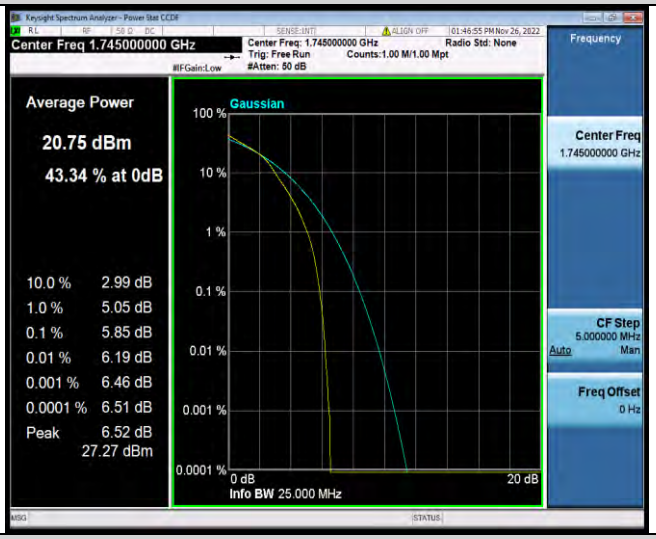

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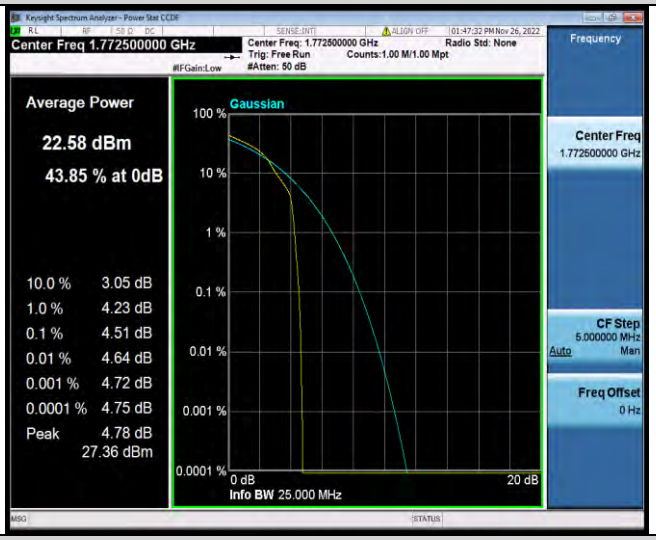

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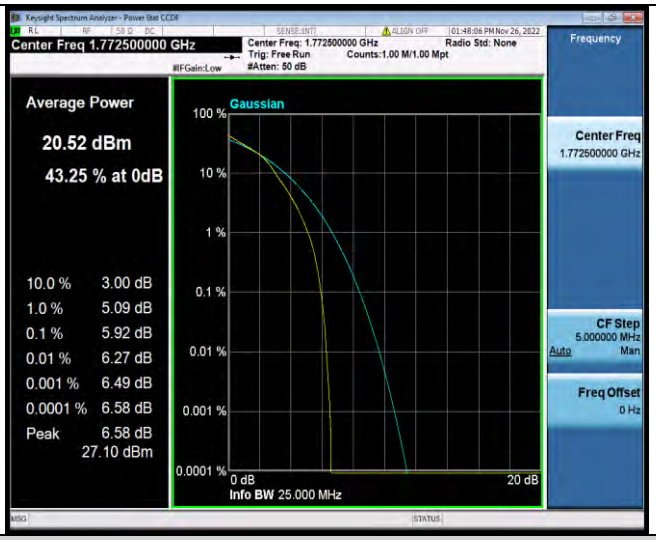

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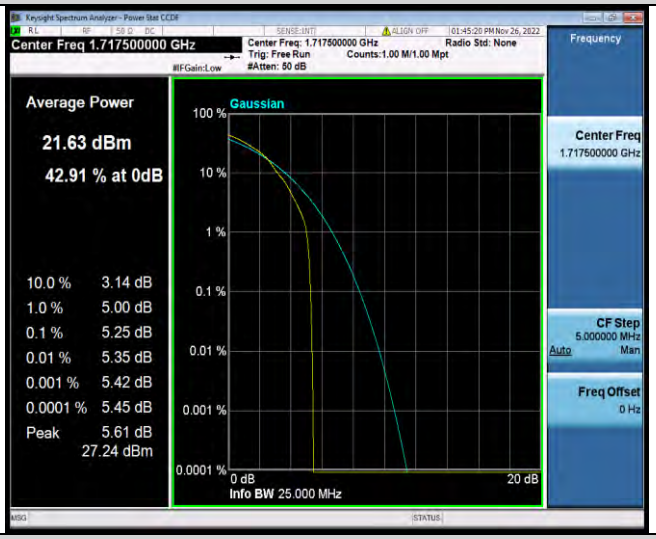

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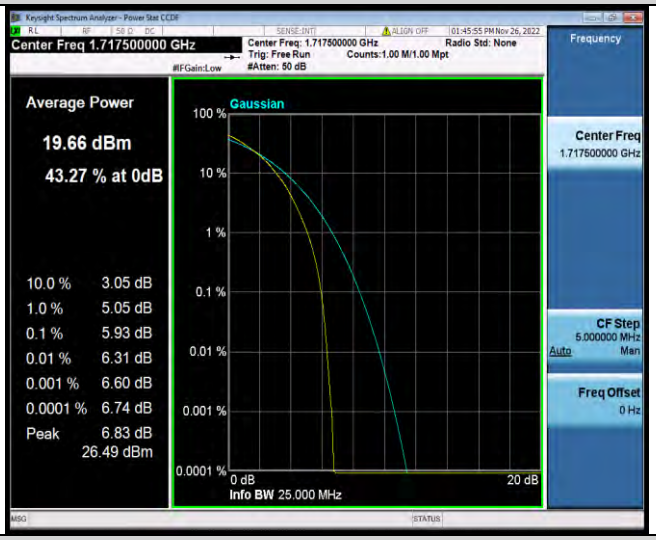

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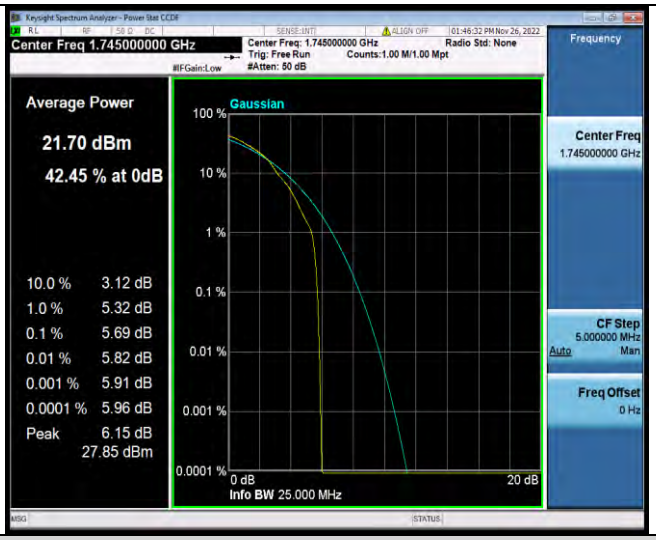

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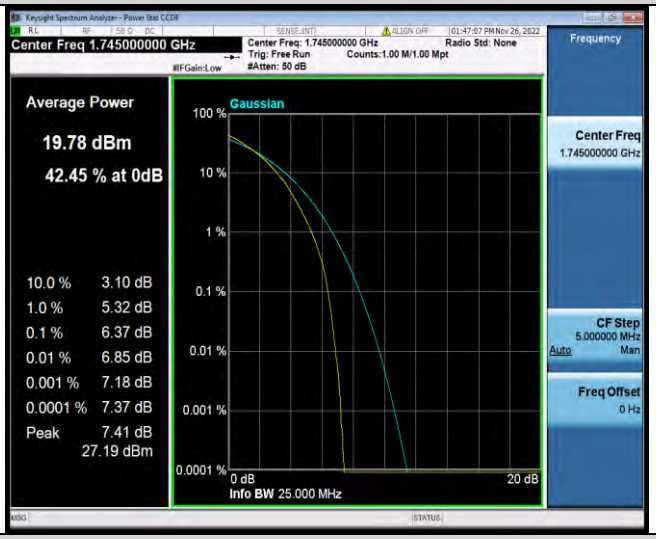

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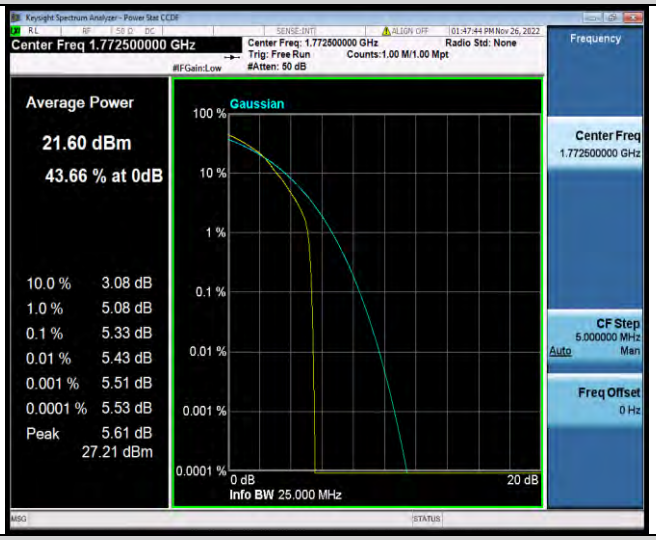
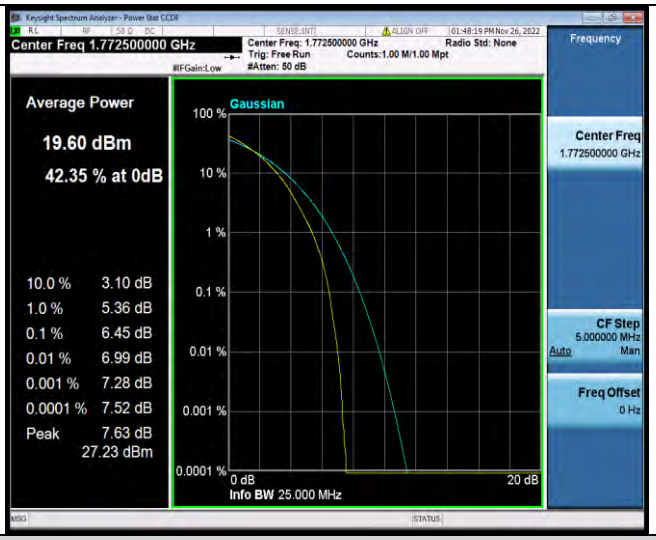


Band66-15MHz-64QAM-132597-75RB#0



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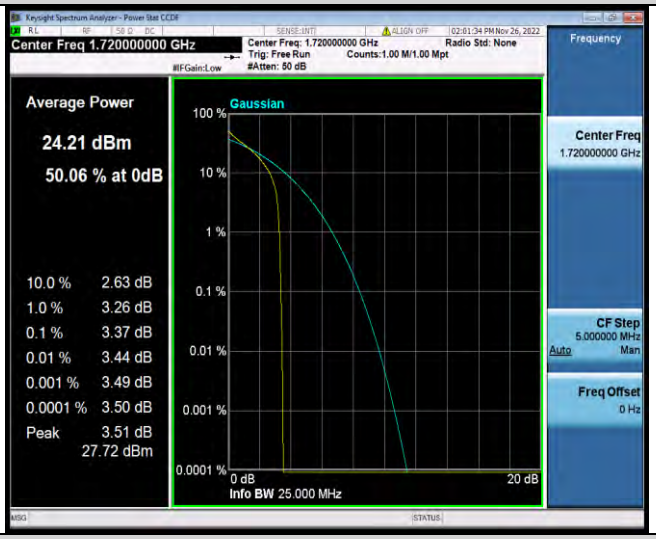

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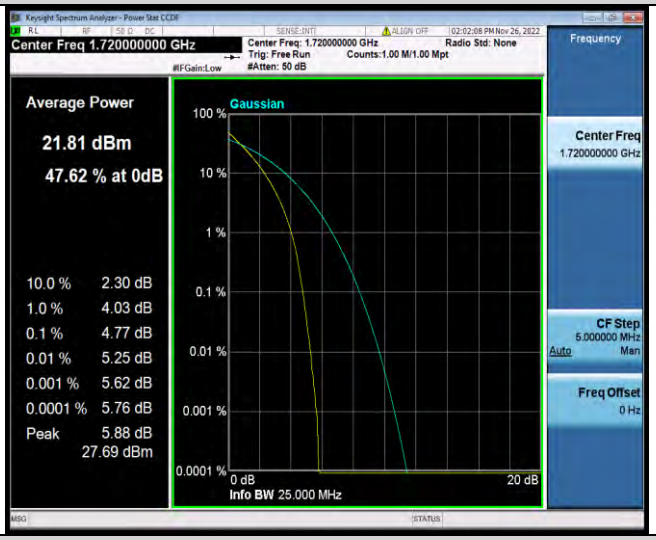

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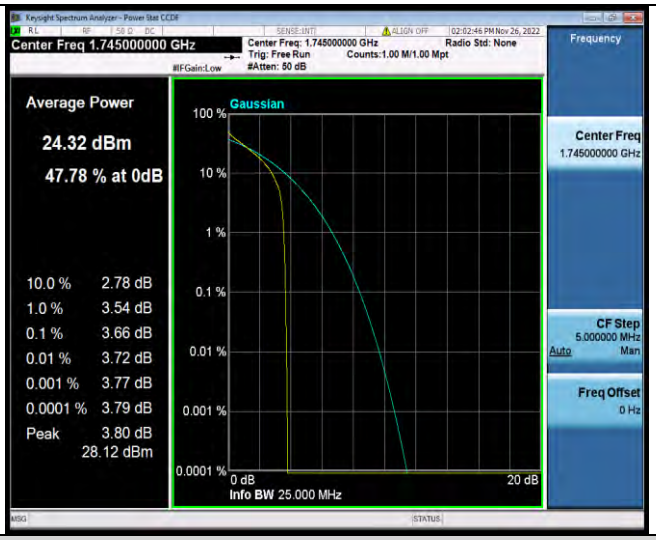

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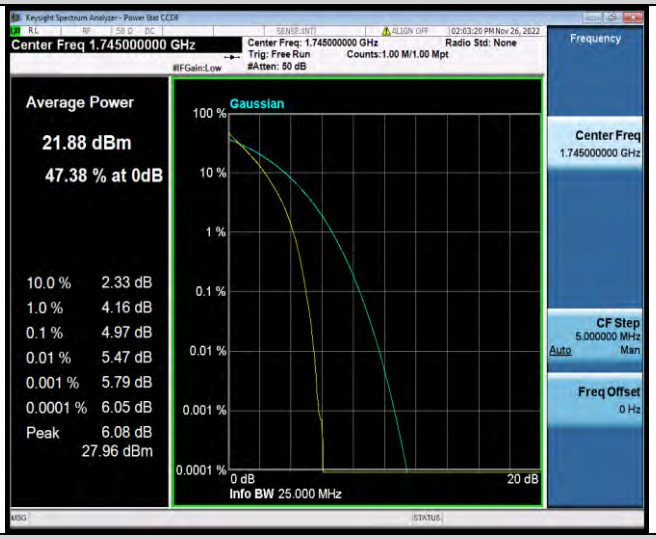

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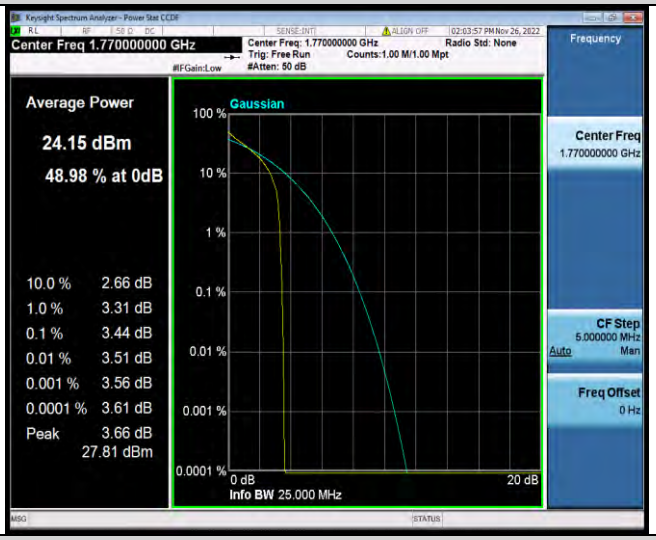

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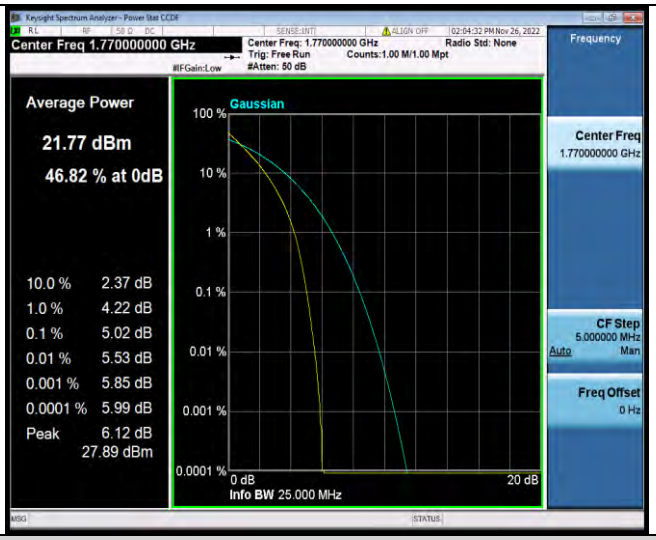

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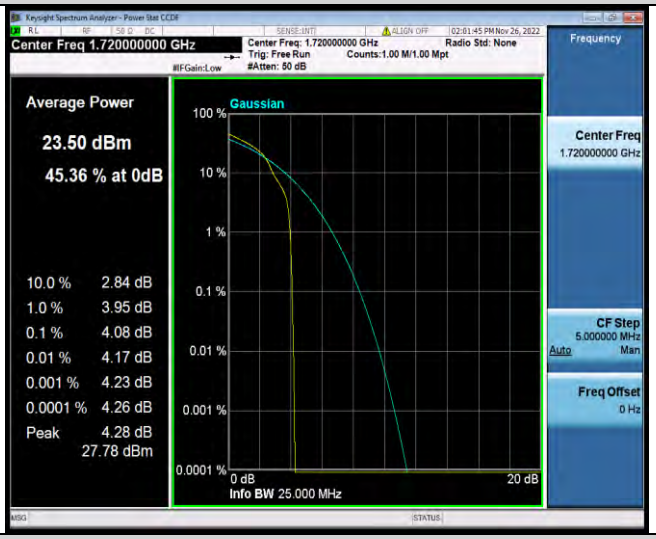

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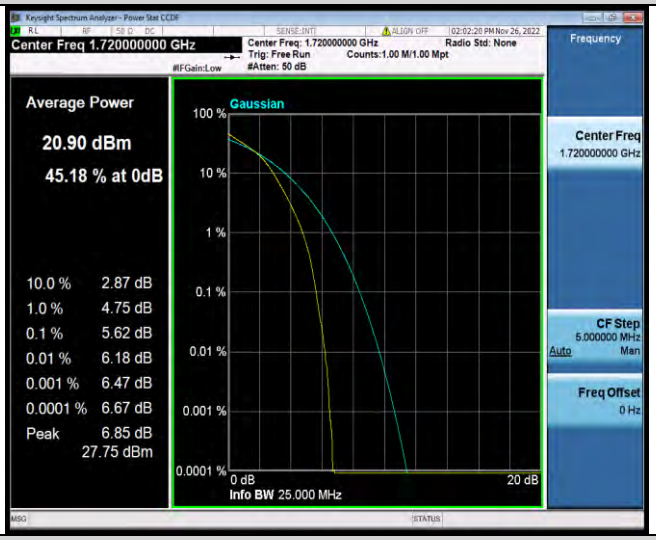

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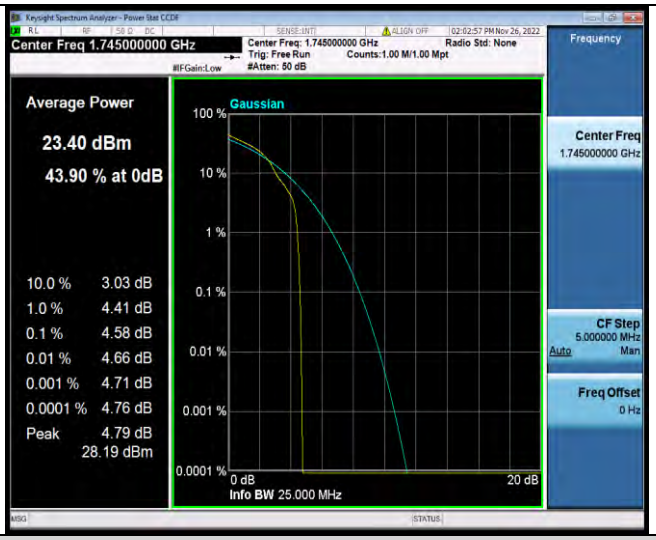

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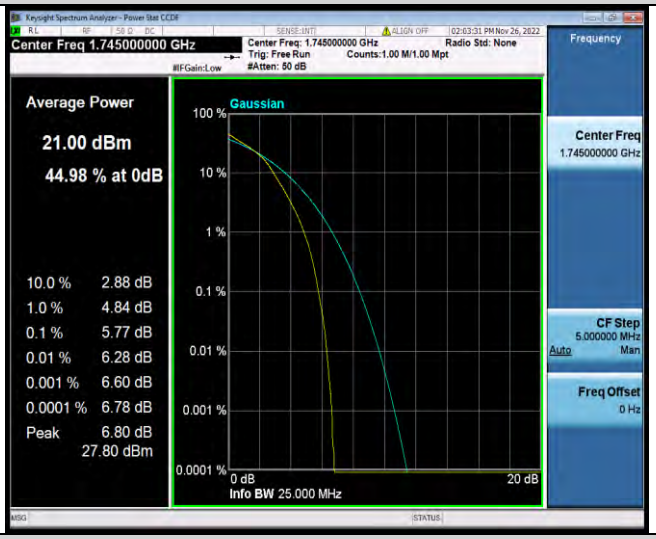

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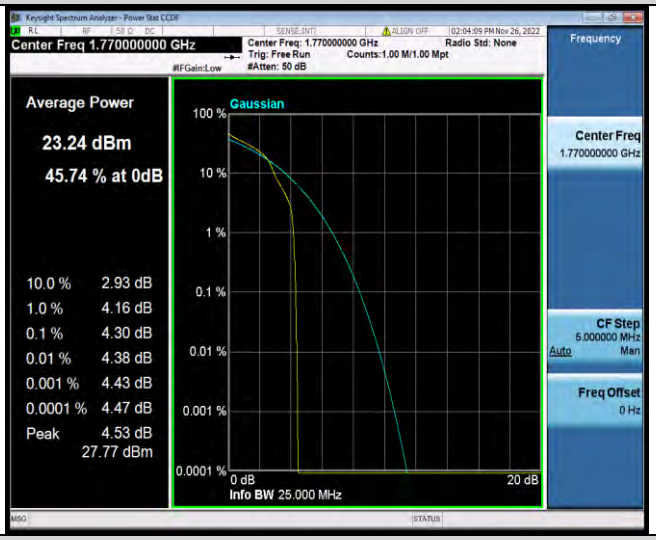

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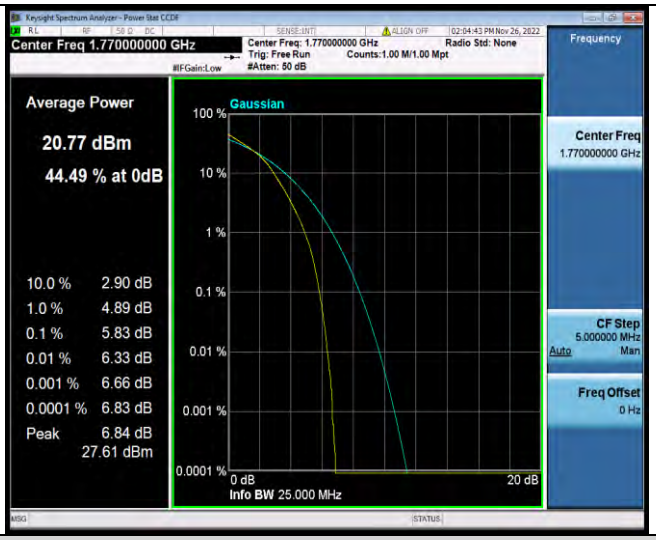

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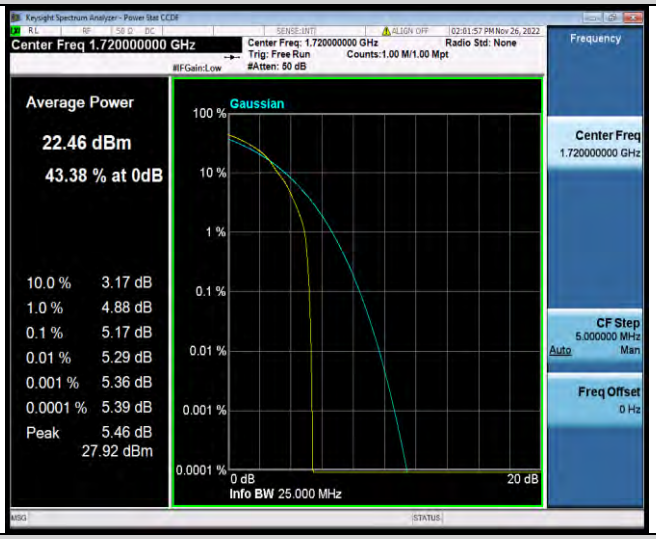
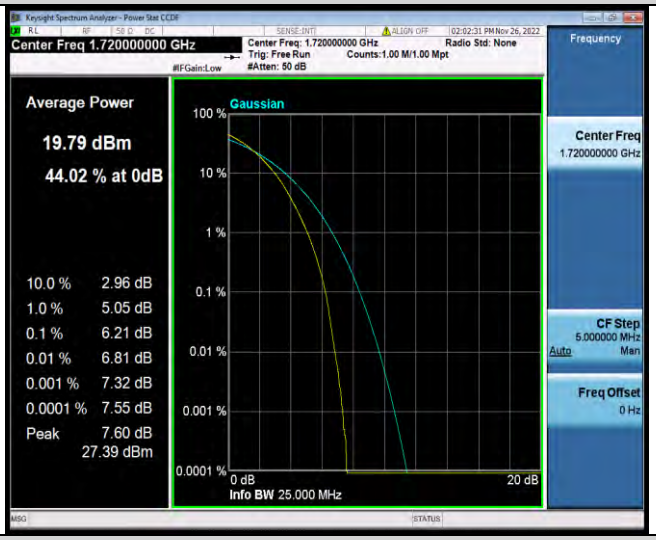


Band66-20MHz-64QAM-132072-100RB#0



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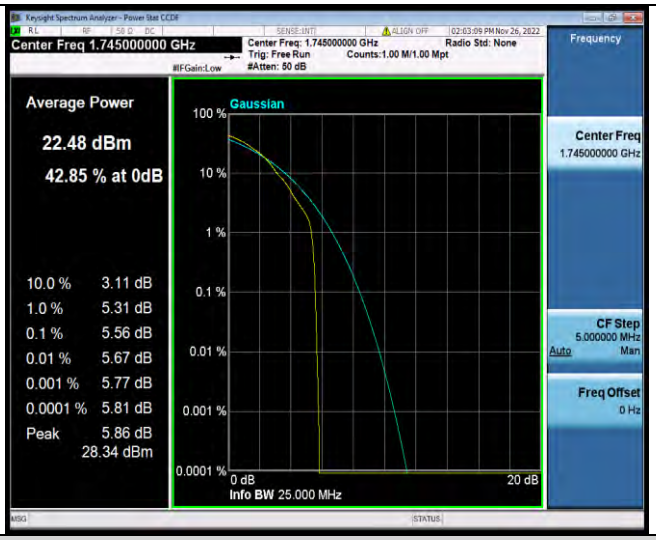

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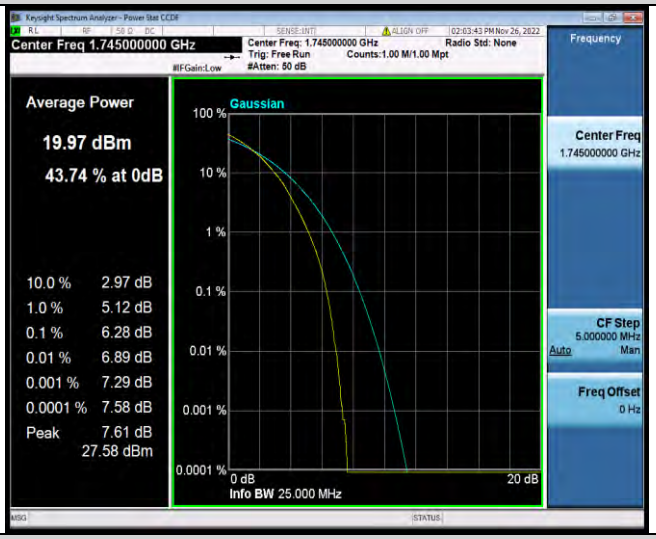

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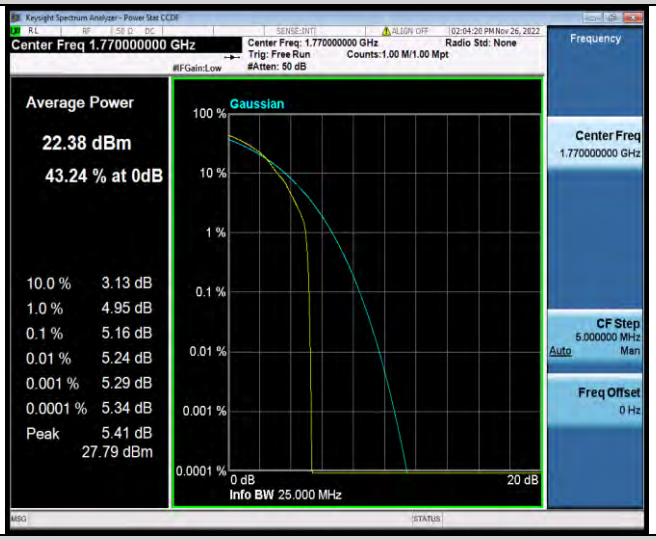
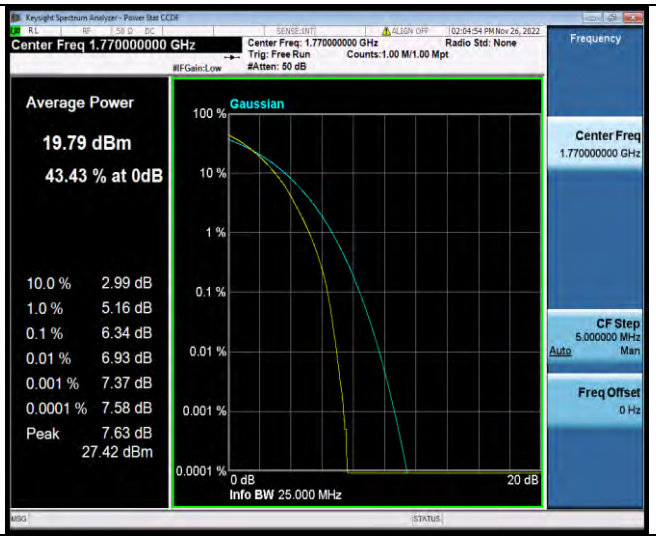


Band66-20MHz-64QAM-132572-100RB#0


Keysight Spectrum Analyzer - Power Stat CCDF
Center Freq 1.770000000 GHz
Center Freq: 1.770000000 GHz
Trig: Free Run
Counts:1.00 M/1.00 Mpt
#Atten: 50 dB
Radio Std: None
Frequency
Average Power
19.79 dBm
43.43 % at 0dB
10.0 % 2.99 dB
1.0 % 5.16 dB
0.1 % 6.34 dB
0.01 % 6.93 dB
0.001 % 7.37 dB
0.0001 % 7.58 dB
Peak 7.63 dB
27.42 dBm
Gaussian
100 %
10 %
1 %
0.1 %
0.01 %
0.001 %
0.0001 %
0 dB
20 dB
Info BW 25.000 MHz
Center Freq
1.770000000 GHz
CF Step
5.000000 MHz
Auto
Man
Freq Offset
0 Hz

26DB BANDWIDTH AND OCCUPIED BANDWIDTH

Test Result

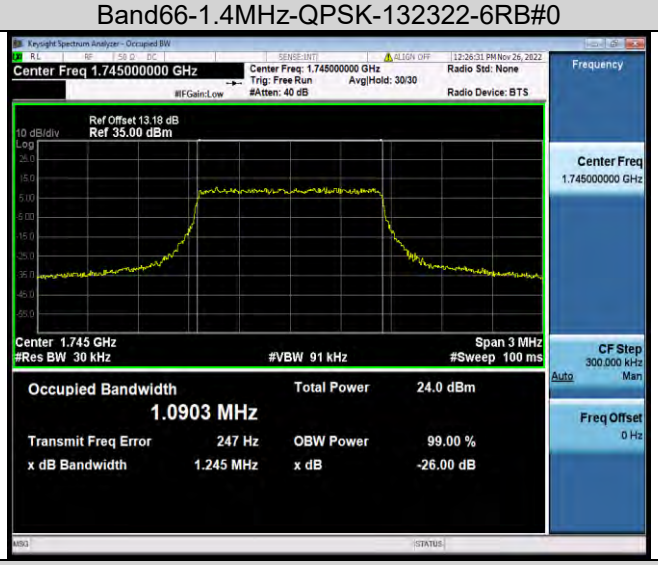
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band66	1.4MHz	QPSK	131979	6RB#0	1.0965	1.277	PASS
Band66	1.4MHz	QPSK	132322	6RB#0	1.0903	1.245	PASS
Band66	1.4MHz	QPSK	132665	6RB#0	1.0942	1.246	PASS
Band66	1.4MHz	16QAM	131979	6RB#0	1.0901	1.262	PASS
Band66	1.4MHz	16QAM	132322	6RB#0	1.0909	1.271	PASS
Band66	1.4MHz	16QAM	132665	6RB#0	1.0924	1.281	PASS
Band66	1.4MHz	64QAM	131979	6RB#0	1.0893	1.257	PASS
Band66	1.4MHz	64QAM	132322	6RB#0	1.0875	1.247	PASS
Band66	1.4MHz	64QAM	132665	6RB#0	1.0881	1.273	PASS
Band66	3MHz	QPSK	131987	15RB#0	2.6894	2.922	PASS
Band66	3MHz	QPSK	132322	15RB#0	2.6967	2.907	PASS
Band66	3MHz	QPSK	132657	15RB#0	2.6981	2.924	PASS
Band66	3MHz	16QAM	131987	15RB#0	2.6904	2.920	PASS
Band66	3MHz	16QAM	132322	15RB#0	2.6932	2.926	PASS
Band66	3MHz	16QAM	132657	15RB#0	2.6937	2.935	PASS
Band66	3MHz	64QAM	131987	15RB#0	2.6918	2.913	PASS
Band66	3MHz	64QAM	132322	15RB#0	2.6954	2.902	PASS
Band66	3MHz	64QAM	132657	15RB#0	2.6974	2.923	PASS
Band66	5MHz	QPSK	131997	25RB#0	4.5031	4.876	PASS
Band66	5MHz	QPSK	132322	25RB#0	4.5027	4.901	PASS
Band66	5MHz	QPSK	132647	25RB#0	4.4953	4.879	PASS
Band66	5MHz	16QAM	131997	25RB#0	4.5032	4.910	PASS
Band66	5MHz	16QAM	132322	25RB#0	4.4972	4.860	PASS
Band66	5MHz	16QAM	132647	25RB#0	4.5026	4.894	PASS
Band66	5MHz	64QAM	131997	25RB#0	4.4959	4.854	PASS
Band66	5MHz	64QAM	132322	25RB#0	4.4931	4.876	PASS
Band66	5MHz	64QAM	132647	25RB#0	4.4945	4.876	PASS
Band66	10MHz	QPSK	132022	50RB#0	8.9726	9.571	PASS
Band66	10MHz	QPSK	132322	50RB#0	8.9711	9.603	PASS
Band66	10MHz	QPSK	132622	50RB#0	8.9865	9.567	PASS
Band66	10MHz	16QAM	132022	50RB#0	8.9560	9.528	PASS
Band66	10MHz	16QAM	132322	50RB#0	8.9583	9.540	PASS
Band66	10MHz	16QAM	132622	50RB#0	8.9698	9.580	PASS
Band66	10MHz	64QAM	132022	50RB#0	8.9464	9.513	PASS
Band66	10MHz	64QAM	132322	50RB#0	8.9558	9.527	PASS
Band66	10MHz	64QAM	132622	50RB#0	8.9772	9.569	PASS
Band66	15MHz	QPSK	132047	75RB#0	13.452	14.39	PASS
Band66	15MHz	QPSK	132322	75RB#0	13.461	14.32	PASS
Band66	15MHz	QPSK	132597	75RB#0	13.480	14.30	PASS
Band66	15MHz	16QAM	132047	75RB#0	13.443	14.27	PASS
Band66	15MHz	16QAM	132322	75RB#0	13.458	14.31	PASS

Band66	15MHz	16QAM	132597	75RB#0	13.469	14.32	PASS
Band66	15MHz	64QAM	132047	75RB#0	13.430	14.23	PASS
Band66	15MHz	64QAM	132322	75RB#0	13.463	14.28	PASS
Band66	15MHz	64QAM	132597	75RB#0	13.476	14.29	PASS
Band66	20MHz	QPSK	132072	100RB#0	17.912	18.96	PASS
Band66	20MHz	QPSK	132322	100RB#0	17.927	19.02	PASS
Band66	20MHz	QPSK	132572	100RB#0	17.968	18.99	PASS
Band66	20MHz	16QAM	132072	100RB#0	17.894	18.96	PASS
Band66	20MHz	16QAM	132322	100RB#0	17.945	18.98	PASS
Band66	20MHz	16QAM	132572	100RB#0	17.988	19.03	PASS
Band66	20MHz	64QAM	132072	100RB#0	17.892	18.94	PASS
Band66	20MHz	64QAM	132322	100RB#0	17.946	18.95	PASS
Band66	20MHz	64QAM	132572	100RB#0	17.988	19.00	PASS

Test Graphs

Band66-1.4MHz-QPSK-131979-6RB#0

Band66-1.4MHz-QPSK-132322-6RB#0



Band66-1.4MHz-QPSK-132665-6RB#0

Band66-1.4MHz-16QAM-131979-6RB#0

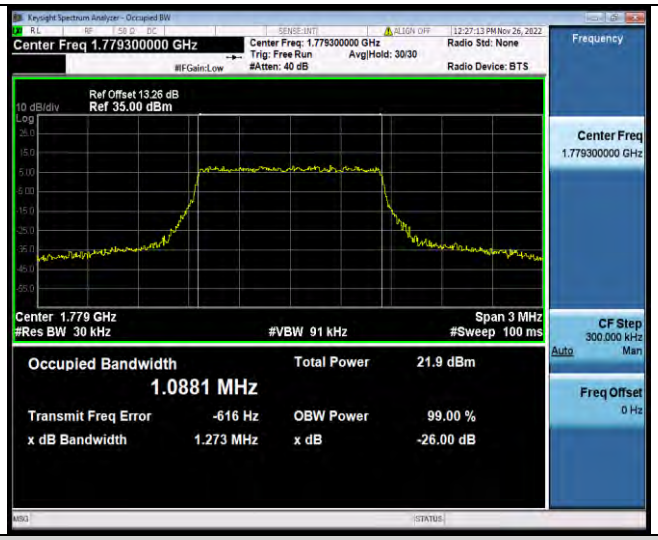
Band66-1.4MHz-16QAM-132322-6RB#0

Band66-1.4MHz-16QAM-132665-6RB#0

Band66-1.4MHz-64QAM-131979-6RB#0

Band66-1.4MHz-64QAM-132322-6RB#0

Band66-1.4MHz-64QAM-132665-6RB#0



Band66-3MHz-QPSK-131987-15RB#0

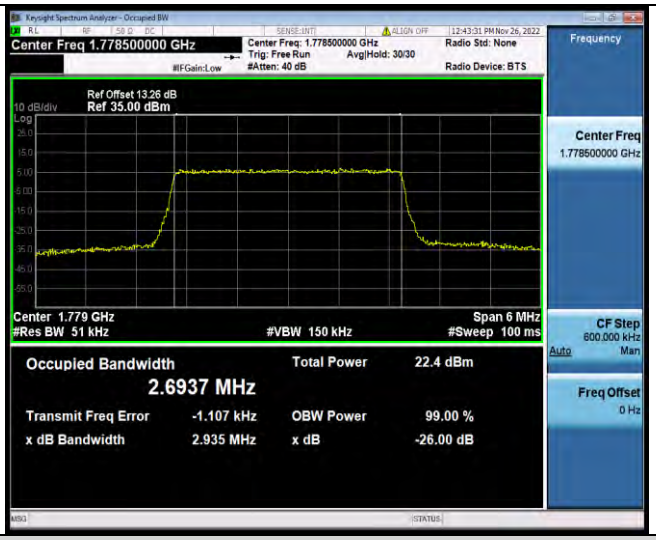
Band66-3MHz-QPSK-132322-15RB#0

Band66-3MHz-QPSK-132657-15RB#0

Band66-3MHz-16QAM-131987-15RB#0

Band66-3MHz-16QAM-132322-15RB#0

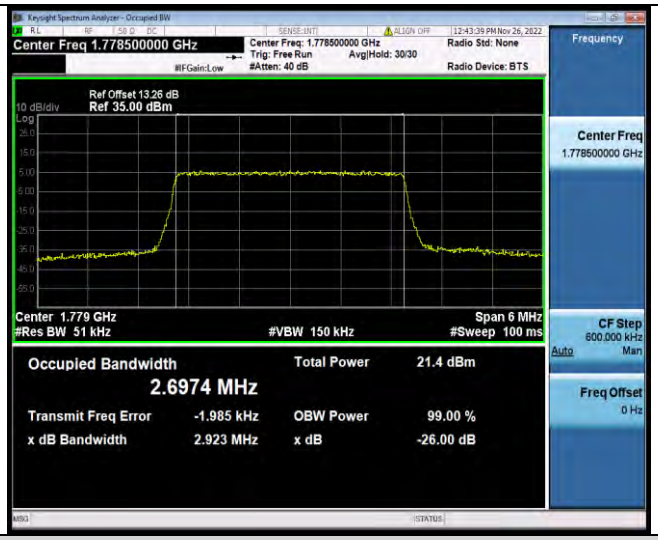
Band66-3MHz-16QAM-132657-15RB#0



Band66-3MHz-64QAM-131987-15RB#0

Band66-3MHz-64QAM-132322-15RB#0

Band66-3MHz-64QAM-132657-15RB#0



Band66-5MHz-QPSK-131997-25RB#0

Band66-5MHz-QPSK-132322-25RB#0

Band66-5MHz-QPSK-132647-25RB#0

Band66-5MHz-16QAM-131997-25RB#0

Band66-5MHz-16QAM-132322-25RB#0

Band66-5MHz-16QAM-132647-25RB#0

Band66-5MHz-64QAM-131997-25RB#0

Band66-5MHz-64QAM-132322-25RB#0

Band66-5MHz-64QAM-132647-25RB#0

Band66-10MHz-QPSK-132022-50RB#0

Band66-10MHz-QPSK-132322-50RB#0

Band66-10MHz-QPSK-132622-50RB#0

Band66-10MHz-16QAM-132022-50RB#0

Band66-10MHz-16QAM-132322-50RB#0

Band66-10MHz-16QAM-132622-50RB#0

Band66-10MHz-64QAM-132022-50RB#0

Band66-10MHz-64QAM-132322-50RB#0

Band66-10MHz-64QAM-132622-50RB#0

Band66-15MHz-QPSK-132047-75RB#0

Band66-15MHz-QPSK-132322-75RB#0

Band66-15MHz-QPSK-132597-75RB#0

Band66-15MHz-16QAM-132047-75RB#0

Band66-15MHz-16QAM-132322-75RB#0

Band66-15MHz-16QAM-132597-75RB#0

Band66-15MHz-64QAM-132047-75RB#0

Band66-15MHz-64QAM-132322-75RB#0

Band66-15MHz-64QAM-132597-75RB#0

Band66-20MHz-QPSK-132072-100RB#0

Band66-20MHz-QPSK-132322-100RB#0

Band66-20MHz-QPSK-132572-100RB#0

Band66-20MHz-16QAM-132072-100RB#0

Band66-20MHz-16QAM-132322-100RB#0

Band66-20MHz-16QAM-132572-100RB#0

Band66-20MHz-64QAM-132072-100RB#0

Band66-20MHz-64QAM-132322-100RB#0

Band66-20MHz-64QAM-132572-100RB#0

Keysight Spectrum Analyzer - Occupied BW
Center Freq 1.770000000 GHz
Center Freq: 1.770000000 GHz
Trig: Free Run
Avg|Hold: 30/30
#Atten: 40 dB
Radio Std: None
Radio Device: BTS
Frequency
Ref Offset 13.26 dB
10 dB/div
Ref 35.00 dBm
Center Freq
1.770000000 GHz
Center 1.77 GHz
Res BW 390 kHz
#VBW 1.2 MHz
Span 40 MHz
#Sweep 100 ms
CF Step
4.000000 MHz
Auto
Man
Occupied Bandwidth
17.988 MHz
Total Power
20.5 dBm
Transmit Freq Error
-22.682 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
Band66	1.4MHz	QPSK	131979	6RB#0	-26.92	PASS
Band66	1.4MHz	QPSK	131997	1RB#0	-25.55	PASS
Band66	1.4MHz	QPSK	132647	1RB#5	-26.35	PASS
Band66	1.4MHz	QPSK	132647	6RB#0	-27.17	PASS
Band66	1.4MHz	16QAM	131979	6RB#0	-28.82	PASS
Band66	1.4MHz	16QAM	131997	1RB#0	-26.82	PASS
Band66	1.4MHz	16QAM	132647	1RB#5	-28.37	PASS
Band66	1.4MHz	16QAM	132647	6RB#0	-29.34	PASS
Band66	1.4MHz	64QAM	131979	6RB#0	-30.96	PASS
Band66	1.4MHz	64QAM	131997	1RB#0	-30.68	PASS
Band66	1.4MHz	64QAM	132647	1RB#5	-29.51	PASS
Band66	1.4MHz	64QAM	132647	6RB#0	-30.56	PASS
Band66	3MHz	QPSK	131987	1RB#0	-19.28	PASS
Band66	3MHz	QPSK	131987	15RB#0	-22.03	PASS
Band66	3MHz	QPSK	132657	1RB#14	-22.08	PASS
Band66	3MHz	QPSK	132657	15RB#0	-21.69	PASS
Band66	3MHz	16QAM	131987	1RB#0	-22.78	PASS
Band66	3MHz	16QAM	131987	15RB#0	-22.39	PASS
Band66	3MHz	16QAM	132657	1RB#14	-22.32	PASS
Band66	3MHz	16QAM	132657	15RB#0	-22.57	PASS
Band66	3MHz	64QAM	131987	1RB#0	-25.57	PASS
Band66	3MHz	64QAM	131987	15RB#0	-24.54	PASS
Band66	3MHz	64QAM	132657	1RB#14	-26.55	PASS
Band66	3MHz	64QAM	132657	15RB#0	-24.42	PASS
Band66	5MHz	QPSK	131997	1RB#0	-24.76	PASS
Band66	5MHz	QPSK	131997	25RB#0	-22.02	PASS
Band66	5MHz	QPSK	132647	1RB#24	-25.21	PASS
Band66	5MHz	QPSK	132647	25RB#0	-21.55	PASS
Band66	5MHz	16QAM	131997	1RB#0	-24.53	PASS
Band66	5MHz	16QAM	131997	25RB#0	-22.42	PASS
Band66	5MHz	16QAM	132647	1RB#24	-25.46	PASS
Band66	5MHz	16QAM	132647	25RB#0	-23.80	PASS
Band66	5MHz	64QAM	131997	1RB#0	-26.11	PASS
Band66	5MHz	64QAM	131997	25RB#0	-24.28	PASS
Band66	5MHz	64QAM	132647	1RB#24	-25.86	PASS
Band66	5MHz	64QAM	132647	25RB#0	-25.37	PASS
Band66	10MHz	QPSK	132022	1RB#0	-36.79	PASS
Band66	10MHz	QPSK	132022	50RB#0	-23.88	PASS
Band66	10MHz	QPSK	132622	1RB#49	-37.10	PASS
Band66	10MHz	QPSK	132622	50RB#0	-25.42	PASS
Band66	10MHz	16QAM	132022	1RB#0	-34.12	PASS
Band66	10MHz	16QAM	132022	50RB#0	-27.06	PASS
Band66	10MHz	16QAM	132622	1RB#49	-34.69	PASS
Band66	10MHz	16QAM	132622	50RB#0	-26.88	PASS

Band66	10MHz	64QAM	132022	1RB#0	-38.52	PASS
Band66	10MHz	64QAM	132022	50RB#0	-27.76	PASS
Band66	10MHz	64QAM	132622	1RB#49	-38.49	PASS
Band66	10MHz	64QAM	132622	50RB#0	-28.92	PASS
Band66	15MHz	QPSK	132047	1RB#0	-41.27	PASS
Band66	15MHz	QPSK	132047	75RB#0	-26.40	PASS
Band66	15MHz	QPSK	132597	1RB#74	-41.70	PASS
Band66	15MHz	QPSK	132597	75RB#0	-28.51	PASS
Band66	15MHz	16QAM	132047	1RB#0	-41.23	PASS
Band66	15MHz	16QAM	132047	75RB#0	-29.27	PASS
Band66	15MHz	16QAM	132597	1RB#74	-42.45	PASS
Band66	15MHz	16QAM	132597	75RB#0	-31.05	PASS
Band66	15MHz	64QAM	132047	1RB#0	-42.41	PASS
Band66	15MHz	64QAM	132047	75RB#0	-32.50	PASS
Band66	15MHz	64QAM	132597	1RB#74	-43.17	PASS
Band66	15MHz	64QAM	132597	75RB#0	-33.23	PASS
Band66	20MHz	QPSK	132072	1RB#0	-45.42	PASS
Band66	20MHz	QPSK	132072	100RB#0	-29.02	PASS
Band66	20MHz	QPSK	132572	1RB#99	-46.11	PASS
Band66	20MHz	QPSK	132572	100RB#0	-27.92	PASS
Band66	20MHz	16QAM	132072	1RB#0	-44.77	PASS
Band66	20MHz	16QAM	132072	100RB#0	-30.31	PASS
Band66	20MHz	16QAM	132572	1RB#99	-45.77	PASS
Band66	20MHz	16QAM	132572	100RB#0	-28.56	PASS
Band66	20MHz	64QAM	132072	1RB#0	-46.41	PASS
Band66	20MHz	64QAM	132072	100RB#0	-32.00	PASS
Band66	20MHz	64QAM	132572	1RB#99	-46.88	PASS
Band66	20MHz	64QAM	132572	100RB#0	-32.29	PASS

Test Graphs

Band66-1.4MHz-QPSK-131979-6RB#0

Band66-1.4MHz-QPSK-131997-1RB#0

Band66-1.4MHz-QPSK-132647-1RB#5

Band66-1.4MHz-QPSK-132647-6RB#0

Band66-1.4MHz-16QAM-131979-6RB#0

Band66-1.4MHz-16QAM-131997-1RB#0

Band66-1.4MHz-16QAM-132647-1RB#5

Band66-1.4MHz-16QAM-132647-6RB#0

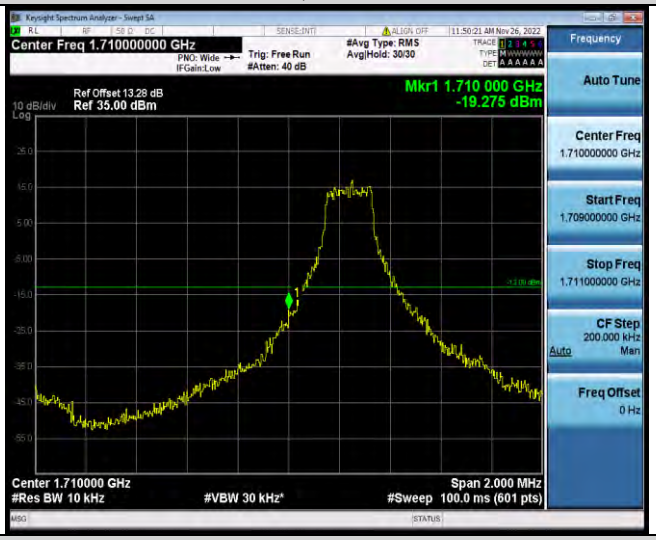
Band66-1.4MHz-64QAM-131979-6RB#0

Band66-1.4MHz-64QAM-131997-1RB#0

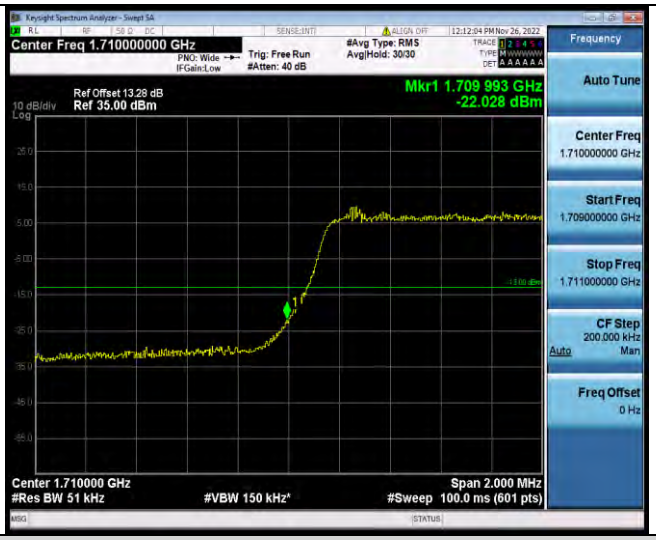
Band66-1.4MHz-64QAM-132647-1RB#5

Band66-1.4MHz-64QAM-132647-6RB#0

Band66-3MHz-QPSK-131987-1RB#0



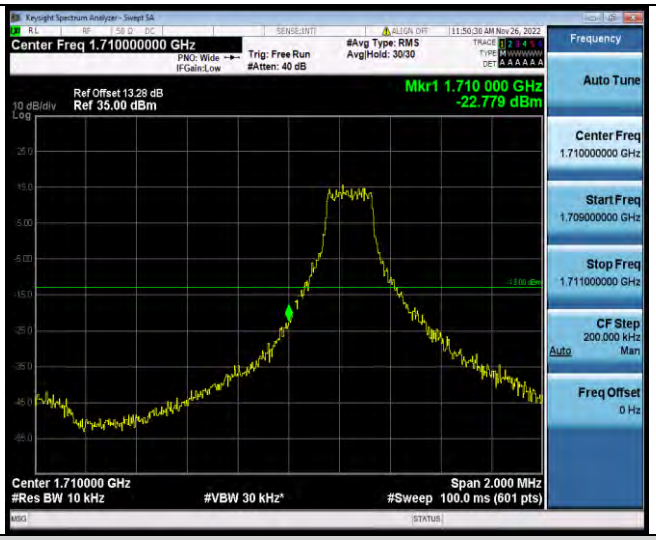
Band66-3MHz-QPSK-131987-15RB#0



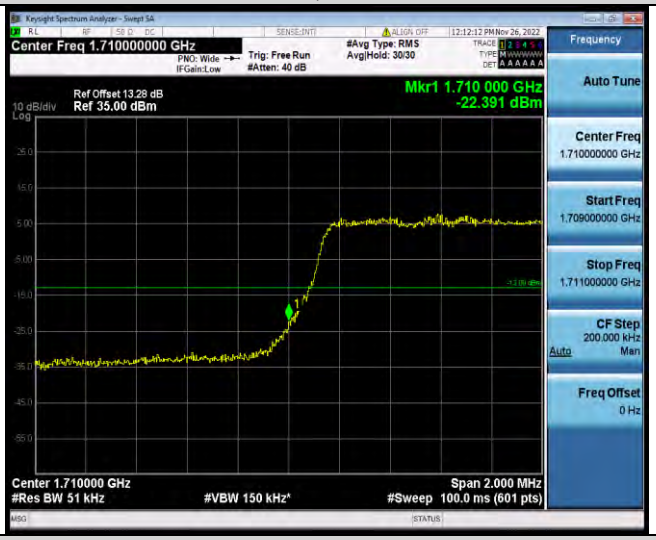
Band66-3MHz-QPSK-132657-1RB#14

Band66-3MHz-QPSK-132657-15RB#0

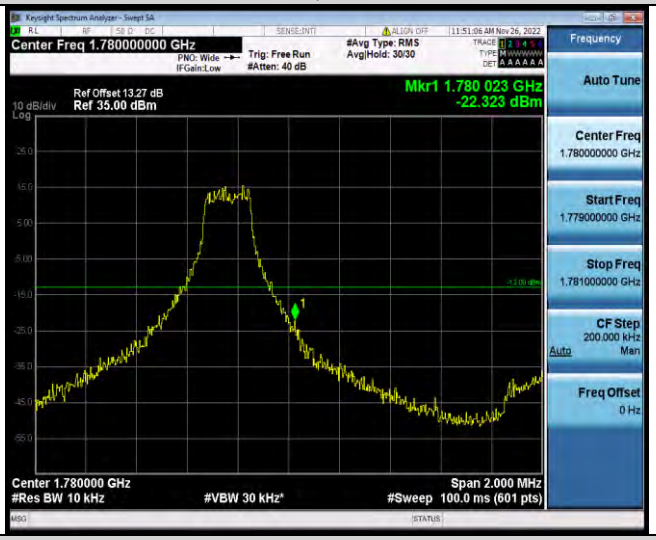
Band66-3MHz-16QAM-131987-1RB#0



Band66-3MHz-16QAM-131987-15RB#0

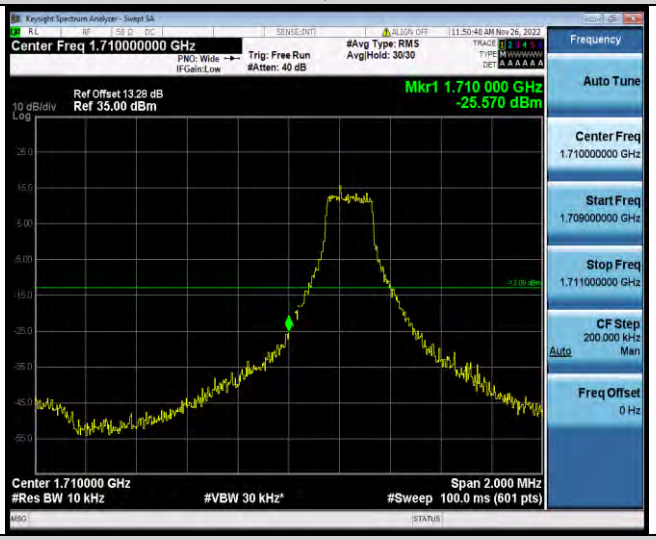


Band66-3MHz-16QAM-132657-1RB#14



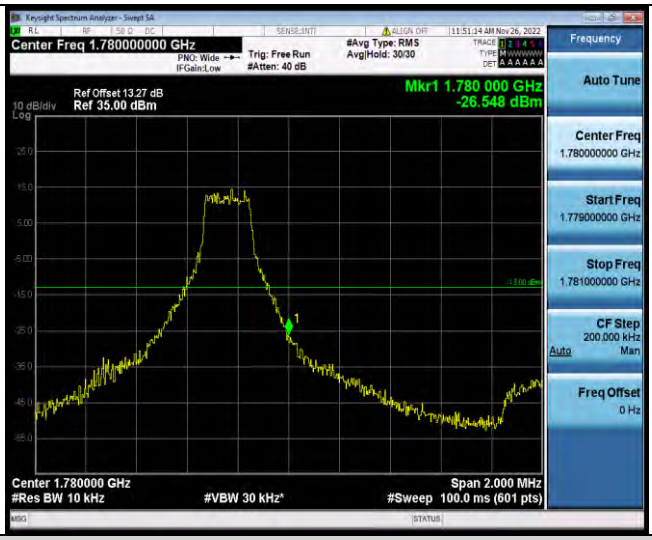
Band66-3MHz-16QAM-132657-15RB#0

Band66-3MHz-64QAM-131987-1RB#0



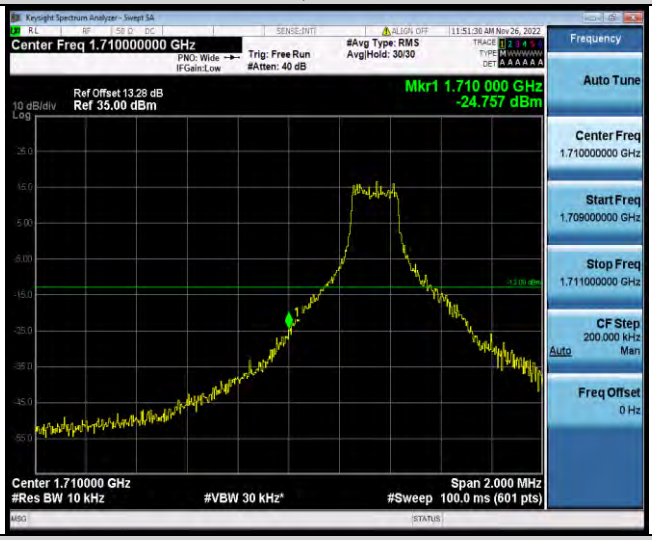
Band66-3MHz-64QAM-131987-15RB#0

Band66-3MHz-64QAM-132657-1RB#14



Band66-3MHz-64QAM-132657-15RB#0

Band66-5MHz-QPSK-131997-1RB#0

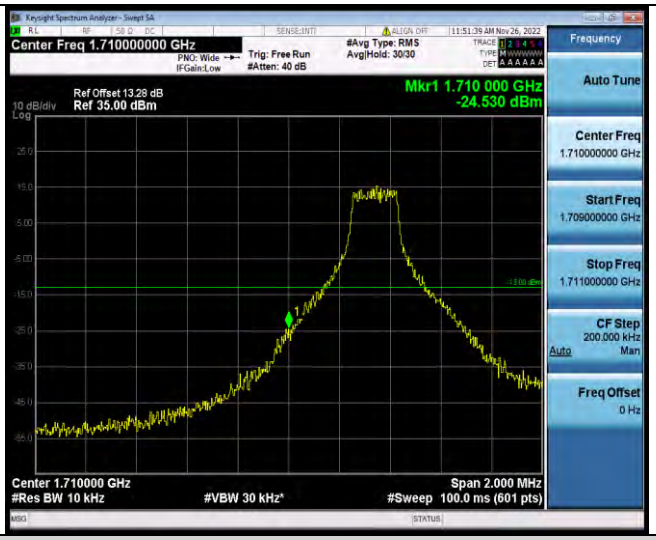


Band66-5MHz-QPSK-131997-25RB#0

Band66-5MHz-QPSK-132647-1RB#24

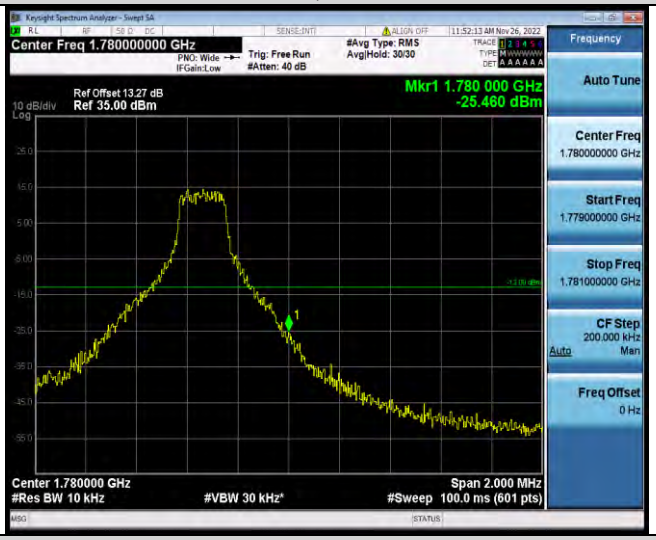
Band66-5MHz-QPSK-132647-25RB#0

Band66-5MHz-16QAM-131997-1RB#0



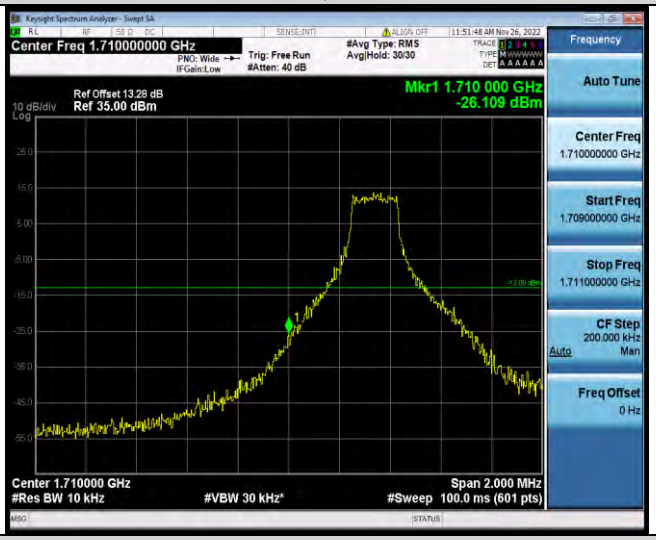
Band66-5MHz-16QAM-131997-25RB#0

Band66-5MHz-16QAM-132647-1RB#24



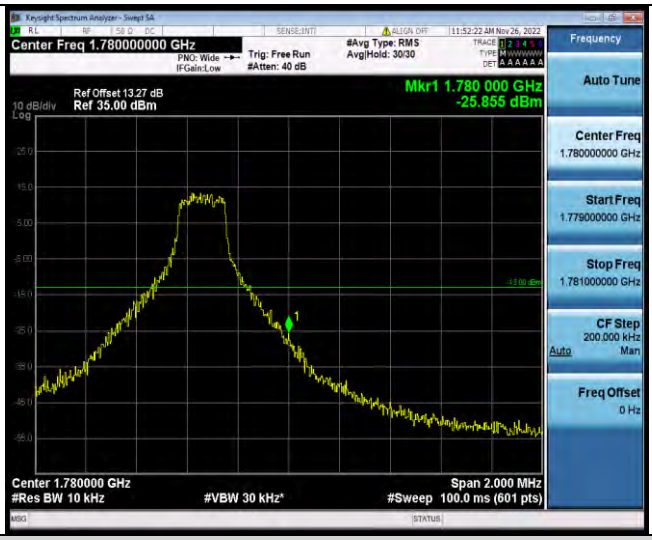
Band66-5MHz-16QAM-132647-25RB#0

Band66-5MHz-64QAM-131997-1RB#0



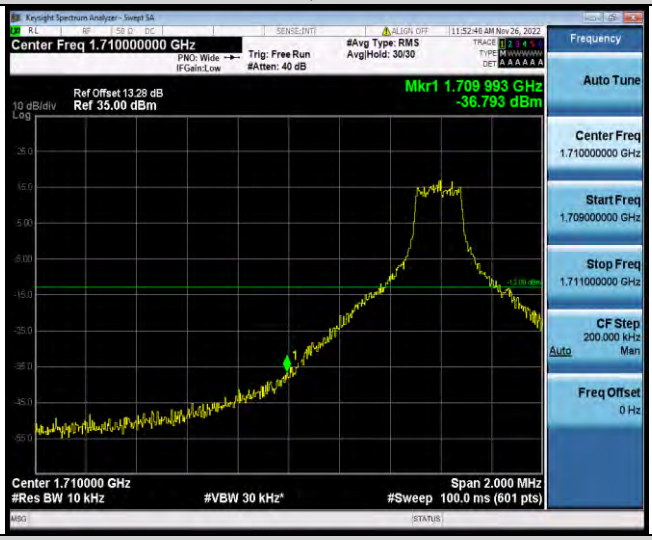
Band66-5MHz-64QAM-131997-25RB#0

Band66-5MHz-64QAM-132647-1RB#24



Band66-5MHz-64QAM-132647-25RB#0

Band66-10MHz-QPSK-132022-1RB#0



Band66-10MHz-QPSK-132022-50RB#0