Appendix J: Test Data for E-UTRA Band 12

Product Name: Tablet Pc

Test Model: P81L

Environmental Conditions

Temperature:	23.5° C
Relative Humidity:	52.2%
ATM Pressure:	100.0 kPa
Test Engineer:	Ling Zhu
Supervised by:	Li huan

J.1 Effective (Isotropic) Radiated Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band12	1.4MHz	QPSK	23017	1RB#0	20.80	PASS
Band12	1.4MHz	QPSK	23017	1RB#2	20.91	PASS
Band12	1.4MHz	QPSK	23017	1RB#5	20.28	PASS
Band12	1.4MHz	QPSK	23017	3RB#0	20.39	PASS
Band12	1.4MHz	QPSK	23017	3RB#1	20.37	PASS
Band12	1.4MHz	QPSK	23017	3RB#3	20.38	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	19.37	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	20.74	PASS
Band12	1.4MHz	QPSK	23095	1RB#2	20.73	PASS
Band12	1.4MHz	QPSK	23095	1RB#5	20.87	PASS
Band12	1.4MHz	QPSK	23095	3RB#0	20.88	PASS
Band12	1.4MHz	QPSK	23095	3RB#1	20.63	PASS
Band12	1.4MHz	QPSK	23095	3RB#3	20.94	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	19.94	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	20.43	PASS
Band12	1.4MHz	QPSK	23173	1RB#2	20.54	PASS
Band12	1.4MHz	QPSK	23173	1RB#5	20.45	PASS
Band12	1.4MHz	QPSK	23173	3RB#0	20.54	PASS
Band12	1.4MHz	QPSK	23173	3RB#1	20.49	PASS
Band12	1.4MHz	QPSK	23173	3RB#3	20.73	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	19.73	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	19.68	PASS
Band12	1.4MHz	16QAM	23017	1RB#2	19.59	PASS
Band12	1.4MHz	16QAM	23017	1RB#5	19.19	PASS
Band12	1.4MHz	16QAM	23017	3RB#0	19.18	PASS
Band12	1.4MHz	16QAM	23017	3RB#1	19.19	PASS
Band12	1.4MHz	16QAM	23017	3RB#3	19.12	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	18.28	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	19.66	PASS
Band12	1.4MHz	16QAM	23095	1RB#2	19.90	PASS

Band12	1.4MHz	16QAM	23095	1RB#5	19.68	PASS
Band12	1.4MHz	16QAM	23095	3RB#0	19.59	PASS
Band12	1.4MHz	16QAM	23095	3RB#1	19.76	PASS
Band12	1.4MHz	16QAM	23095	3RB#3	19.80	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	18.70	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	19.37	PASS
Band12	1.4MHz	16QAM	23173	1RB#2	19.45	PASS
Band12	1.4MHz	16QAM	23173	1RB#5	19.43	PASS
Band12	1.4MHz	16QAM	23173	3RB#0	19.38	PASS
Band12	1.4MHz	16QAM	23173	3RB#1	19.33	PASS
Band12	1.4MHz	16QAM	23173	3RB#3	19.56	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	18.70	PASS
Band12	3MHz	QPSK	23025	1RB#0	20.99	PASS
Band12	3MHz	QPSK	23025	1RB#8	20.89	PASS
Band12	3MHz	QPSK	23025	1RB#14	20.95	PASS
Band12	3MHz	QPSK	23025	8RB#0	19.93	PASS
Band12	3MHz	QPSK	23025	8RB#4	19.96	PASS
Band12	3MHz	QPSK	23025	8RB#7	19.98	PASS
Band12	3MHz	QPSK	23025	15RB#0	19.92	PASS
Band12	3MHz	QPSK	23095	1RB#0	20.86	PASS
Band12	3MHz	QPSK	23095	1RB#8	20.80	PASS
Band12	3MHz	QPSK	23095	1RB#14	20.85	PASS
Band12	3MHz	QPSK	23095	8RB#0	19.89	PASS
Band12	3MHz	QPSK	23095	8RB#4	19.89	PASS
Band12	3MHz	QPSK	23095	8RB#7	19.92	PASS
Band12	3MHz	QPSK	23095	15RB#0	19.85	PASS
Band12	3MHz	QPSK	23165	1RB#0	20.76	PASS
Band12	3MHz	QPSK	23165	1RB#8	20.74	PASS
Band12	3MHz	QPSK	23165	1RB#14	20.73	PASS
Band12	3MHz	QPSK	23165	8RB#0	19.78	PASS
Band12	3MHz	QPSK	23165	8RB#4	19.81	PASS
Band12	3MHz	QPSK	23165	8RB#7	19.83	PASS
Band12	3MHz	QPSK	23165	15RB#0	19.74	PASS
Band12	3MHz	16QAM	23025	1RB#0	19.96	PASS
Band12	3MHz	16QAM	23025	1RB#8	19.98	PASS

Band12	3MHz	16QAM	23025	1RB#14	19.99	PASS
Band12	3MHz	16QAM	23025	8RB#0	19.00	PASS
Band12	3MHz	16QAM	23025	8RB#4	19.03	PASS
Band12	3MHz	16QAM	23025	8RB#7	18.95	PASS
Band12	3MHz	16QAM	23025	15RB#0	18.96	PASS
Band12	3MHz	16QAM	23095	1RB#0	19.94	PASS
Band12	3MHz	16QAM	23095	1RB#8	19.95	PASS
Band12	3MHz	16QAM	23095	1RB#14	19.83	PASS
Band12	3MHz	16QAM	23095	8RB#0	18.87	PASS
Band12	3MHz	16QAM	23095	8RB#4	18.86	PASS
Band12	3MHz	16QAM	23095	8RB#7	18.87	PASS
Band12	3MHz	16QAM	23095	15RB#0	18.82	PASS
Band12	3MHz	16QAM	23165	1RB#0	19.81	PASS
Band12	3MHz	16QAM	23165	1RB#8	19.74	PASS
Band12	3MHz	16QAM	23165	1RB#14	19.83	PASS
Band12	3MHz	16QAM	23165	8RB#0	18.84	PASS
Band12	3MHz	16QAM	23165	8RB#4	18.82	PASS
Band12	3MHz	16QAM	23165	8RB#7	18.77	PASS
Band12	3MHz	16QAM	23165	15RB#0	18.76	PASS
Band12	5MHz	QPSK	23035	1RB#0	20.90	PASS
Band12	5MHz	QPSK	23035	1RB#12	21.02	PASS
Band12	5MHz	QPSK	23035	1RB#24	20.85	PASS
Band12	5MHz	QPSK	23035	12RB#0	19.94	PASS
Band12	5MHz	QPSK	23035	12RB#6	19.92	PASS
Band12	5MHz	QPSK	23035	12RB#13	19.99	PASS
Band12	5MHz	QPSK	23035	25RB#0	20.00	PASS
Band12	5MHz	QPSK	23095	1RB#0	20.79	PASS
Band12	5MHz	QPSK	23095	1RB#12	20.90	PASS
Band12	5MHz	QPSK	23095	1RB#24	20.72	PASS
Band12	5MHz	QPSK	23095	12RB#0	19.91	PASS
Band12	5MHz	QPSK	23095	12RB#6	19.95	PASS
Band12	5MHz	QPSK	23095	12RB#13	19.85	PASS
Band12	5MHz	QPSK	23095	25RB#0	19.92	PASS
Band12	5MHz	QPSK	23155	1RB#0	20.71	PASS
Band12	5MHz	QPSK	23155	1RB#12	20.78	PASS

Band12	5MHz	QPSK	23155	1RB#24	20.71	PASS
Band12	5MHz	QPSK	23155	12RB#0	19.80	PASS
Band12	5MHz	QPSK	23155	12RB#6	19.83	PASS
Band12	5MHz	QPSK	23155	12RB#13	19.69	PASS
Band12	5MHz	QPSK	23155	25RB#0	19.81	PASS
Band12	5MHz	16QAM	23035	1RB#0	19.87	PASS
Band12	5MHz	16QAM	23035	1RB#12	19.99	PASS
Band12	5MHz	16QAM	23035	1RB#24	19.82	PASS
Band12	5MHz	16QAM	23035	12RB#0	18.91	PASS
Band12	5MHz	16QAM	23035	12RB#6	18.91	PASS
Band12	5MHz	16QAM	23035	12RB#13	18.94	PASS
Band12	5MHz	16QAM	23035	25RB#0	18.98	PASS
Band12	5MHz	16QAM	23095	1RB#0	19.92	PASS
Band12	5MHz	16QAM	23095	1RB#12	20.01	PASS
Band12	5MHz	16QAM	23095	1RB#24	19.81	PASS
Band12	5MHz	16QAM	23095	12RB#0	18.89	PASS
Band12	5MHz	16QAM	23095	12RB#6	18.90	PASS
Band12	5MHz	16QAM	23095	12RB#13	18.92	PASS
Band12	5MHz	16QAM	23095	25RB#0	18.86	PASS
Band12	5MHz	16QAM	23155	1RB#0	19.59	PASS
Band12	5MHz	16QAM	23155	1RB#12	19.74	PASS
Band12	5MHz	16QAM	23155	1RB#24	19.61	PASS
Band12	5MHz	16QAM	23155	12RB#0	18.82	PASS
Band12	5MHz	16QAM	23155	12RB#6	18.81	PASS
Band12	5MHz	16QAM	23155	12RB#13	18.74	PASS
Band12	5MHz	16QAM	23155	25RB#0	18.71	PASS
Band12	10MHz	QPSK	23060	1RB#0	20.97	PASS
Band12	10MHz	QPSK	23060	1RB#24	21.02	PASS
Band12	10MHz	QPSK	23060	1RB#49	20.86	PASS
Band12	10MHz	QPSK	23060	25RB#0	19.94	PASS
Band12	10MHz	QPSK	23060	25RB#12	19.93	PASS
Band12	10MHz	QPSK	23060	25RB#25	19.95	PASS
Band12	10MHz	QPSK	23060	50RB#0	19.91	PASS
Band12	10MHz	QPSK	23095	1RB#0	20.91	PASS
Band12	10MHz	QPSK	23095	1RB#24	21.00	PASS

Band12	10MHz	QPSK	23095	1RB#49	20.78	PASS
Band12	10MHz	QPSK	23095	25RB#0	20.00	PASS
Band12	10MHz	QPSK	23095	25RB#12	19.97	PASS
Band12	10MHz	QPSK	23095	25RB#25	19.83	PASS
Band12	10MHz	QPSK	23095	50RB#0	19.85	PASS
Band12	10MHz	QPSK	23130	1RB#0	20.83	PASS
Band12	10MHz	QPSK	23130	1RB#24	20.89	PASS
Band12	10MHz	QPSK	23130	1RB#49	20.77	PASS
Band12	10MHz	QPSK	23130	25RB#0	19.96	PASS
Band12	10MHz	QPSK	23130	25RB#12	19.95	PASS
Band12	10MHz	QPSK	23130	25RB#25	19.82	PASS
Band12	10MHz	QPSK	23130	50RB#0	19.84	PASS
Band12	10MHz	16QAM	23060	1RB#0	19.98	PASS
Band12	10MHz	16QAM	23060	1RB#24	20.04	PASS
Band12	10MHz	16QAM	23060	1RB#49	19.91	PASS
Band12	10MHz	16QAM	23060	25RB#0	18.92	PASS
Band12	10MHz	16QAM	23060	25RB#12	18.92	PASS
Band12	10MHz	16QAM	23060	25RB#25	18.92	PASS
Band12	10MHz	16QAM	23060	50RB#0	18.93	PASS
Band12	10MHz	16QAM	23095	1RB#0	19.81	PASS
Band12	10MHz	16QAM	23095	1RB#24	19.98	PASS
Band12	10MHz	16QAM	23095	1RB#49	19.69	PASS
Band12	10MHz	16QAM	23095	25RB#0	18.98	PASS
Band12	10MHz	16QAM	23095	25RB#12	19.02	PASS
Band12	10MHz	16QAM	23095	25RB#25	18.84	PASS
Band12	10MHz	16QAM	23095	50RB#0	18.86	PASS
Band12	10MHz	16QAM	23130	1RB#0	19.61	PASS
Band12	10MHz	16QAM	23130	1RB#24	19.72	PASS
Band12	10MHz	16QAM	23130	1RB#49	19.53	PASS
Band12	10MHz	16QAM	23130	25RB#0	18.97	PASS
Band12	10MHz	16QAM	23130	25RB#12	18.99	PASS
Band12	10MHz	16QAM	23130	25RB#25	18.83	PASS
Band12	10MHz	16QAM	23130	50RB#0	18.86	PASS

J.2 Peak-to-Average Ratio(CCDF)

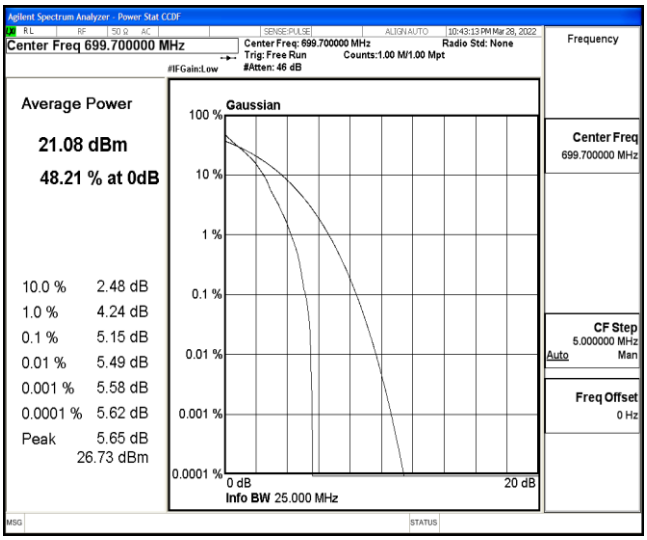
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band12	1.4MHz	QPSK	23017	1RB#0	5.15	13	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	5.43	13	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	4.90	13	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	5.38	13	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	4.84	13	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	5.31	13	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	6.39	13	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	6.30	13	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	5.75	13	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	6.18	13	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	6.04	13	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	6.14	13	PASS
Band12	3MHz	QPSK	23025	1RB#0	5.20	13	PASS
Band12	3MHz	QPSK	23025	15RB#0	5.49	13	PASS
Band12	3MHz	QPSK	23095	1RB#0	5.07	13	PASS
Band12	3MHz	QPSK	23095	15RB#0	5.45	13	PASS
Band12	3MHz	QPSK	23165	1RB#0	5.18	13	PASS
Band12	3MHz	QPSK	23165	15RB#0	5.37	13	PASS
Band12	3MHz	16QAM	23025	1RB#0	5.45	13	PASS
Band12	3MHz	16QAM	23025	15RB#0	6.28	13	PASS
Band12	3MHz	16QAM	23095	1RB#0	5.78	13	PASS
Band12	3MHz	16QAM	23095	15RB#0	6.42	13	PASS
Band12	3MHz	16QAM	23165	1RB#0	5.21	13	PASS
Band12	3MHz	16QAM	23165	15RB#0	5.89	13	PASS
Band12	5MHz	QPSK	23035	1RB#0	5.35	13	PASS
Band12	5MHz	QPSK	23035	25RB#0	5.54	13	PASS
Band12	5MHz	QPSK	23095	1RB#0	5.09	13	PASS
Band12	5MHz	QPSK	23095	25RB#0	5.49	13	PASS
Band12	5MHz	QPSK	23155	1RB#0	5.12	13	PASS
Band12	5MHz	QPSK	23155	25RB#0	5.56	13	PASS
Band12	5MHz	16QAM	23035	1RB#0	5.81	13	PASS
Band12	5MHz	16QAM	23035	25RB#0	6.22	13	PASS
Band12	5MHz	16QAM	23095	1RB#0	5.73	13	PASS
Band12	5MHz	16QAM	23095	25RB#0	6.21	13	PASS
Band12	5MHz	16QAM	23155	1RB#0	5.78	13	PASS

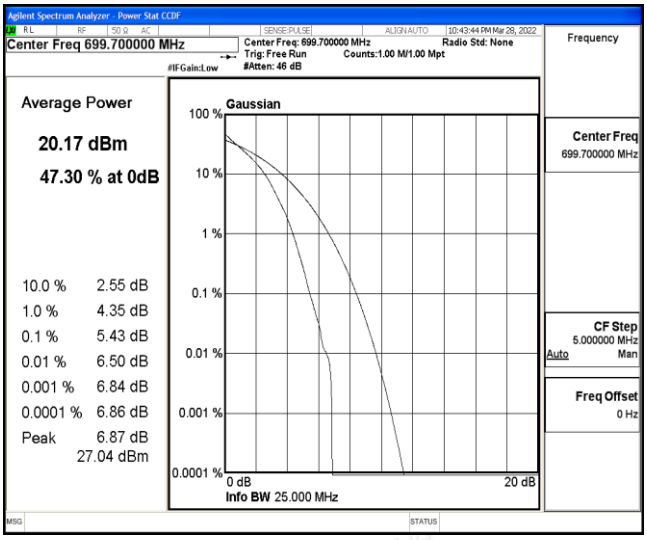
Band12	5MHz	16QAM	23155	25RB#0	6.27	13	PASS
Band12	10MHz	QPSK	23060	1RB#0	5.11	13	PASS
Band12	10MHz	QPSK	23060	50RB#0	5.58	13	PASS
Band12	10MHz	QPSK	23095	1RB#0	4.91	13	PASS
Band12	10MHz	QPSK	23095	50RB#0	5.48	13	PASS
Band12	10MHz	QPSK	23130	1RB#0	4.84	13	PASS
Band12	10MHz	QPSK	23130	50RB#0	5.46	13	PASS
Band12	10MHz	16QAM	23060	1RB#0	5.97	13	PASS
Band12	10MHz	16QAM	23060	50RB#0	6.26	13	PASS
Band12	10MHz	16QAM	23095	1RB#0	5.69	13	PASS
Band12	10MHz	16QAM	23095	50RB#0	6.27	13	PASS
Band12	10MHz	16QAM	23130	1RB#0	6.07	13	PASS
Band12	10MHz	16QAM	23130	50RB#0	6.25	13	PASS

Test Graphs

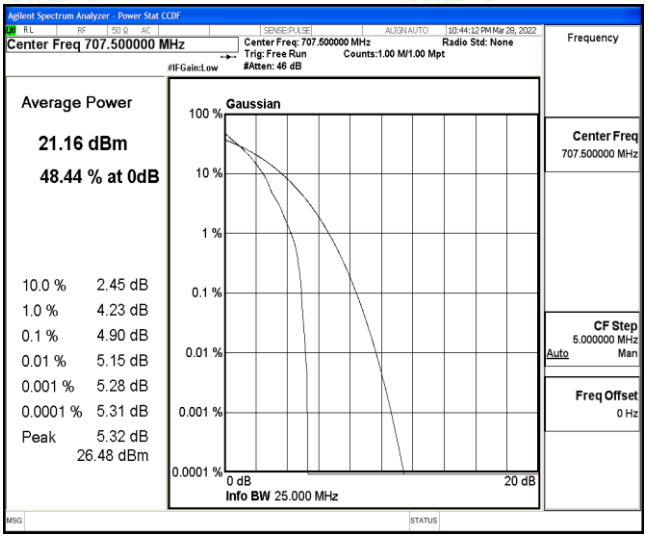
Band12-1.4MHz-QPSK-23017-1RB#0



Band12-1.4MHz-QPSK-23017-6RB#0



Band12-1.4MHz-QPSK-23095-1RB#0



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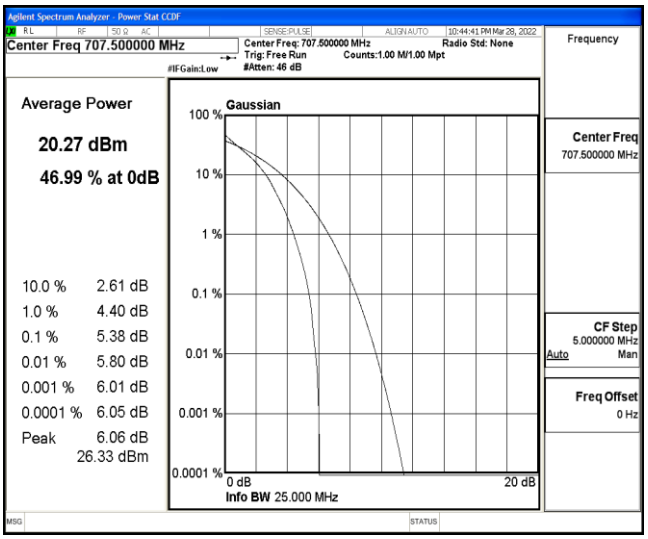
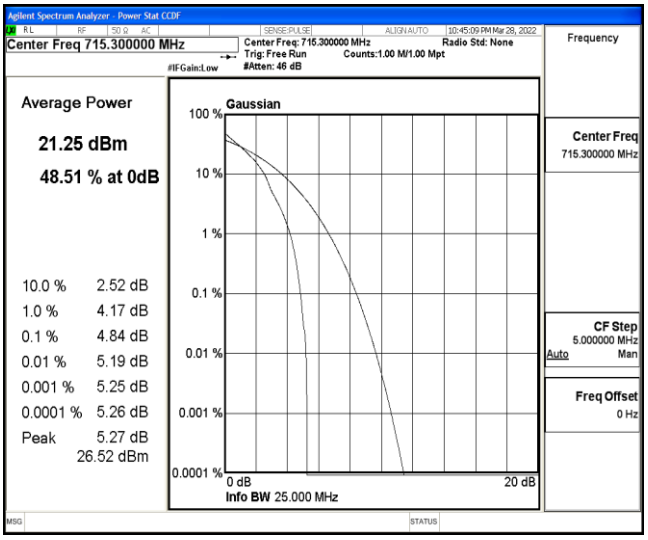


Band12-1.4MHz-QPSK-23173-1RB#0



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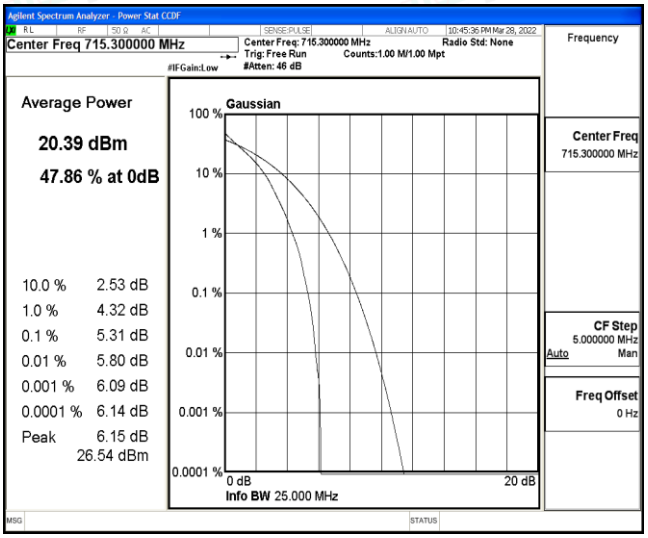
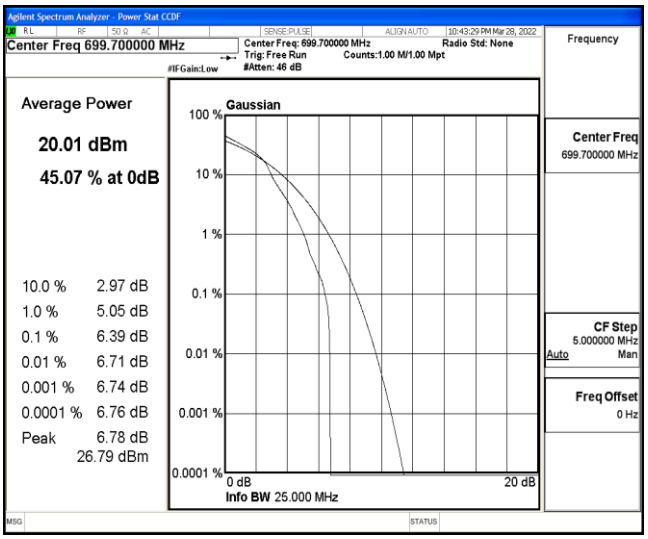


Band12-1.4MHz-16QAM-23017-1RB#0



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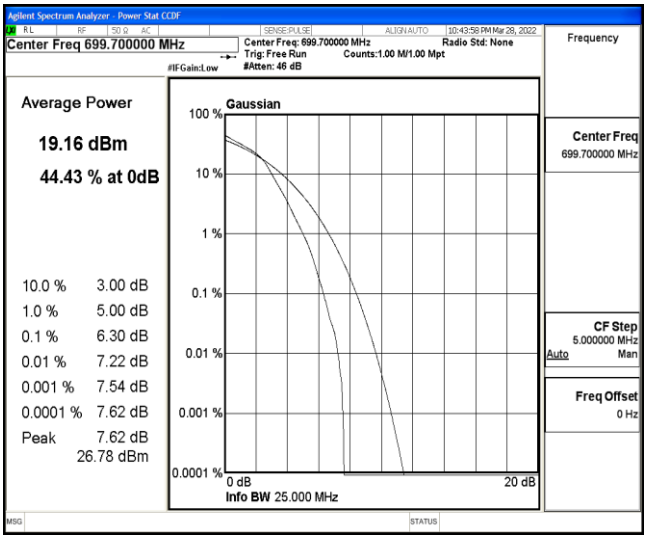
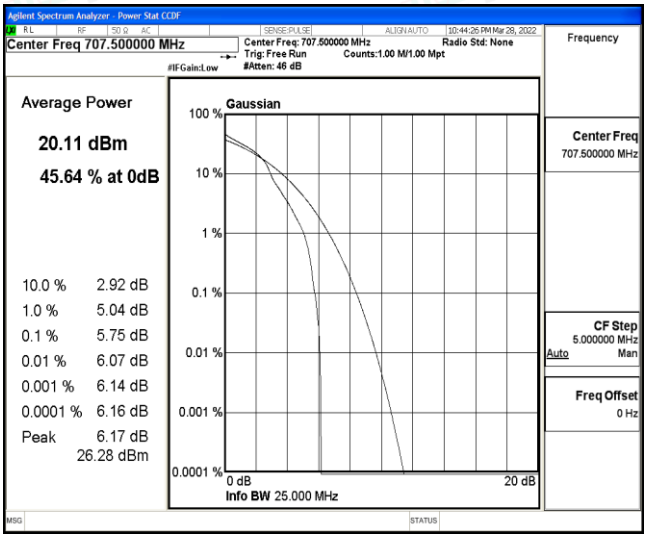
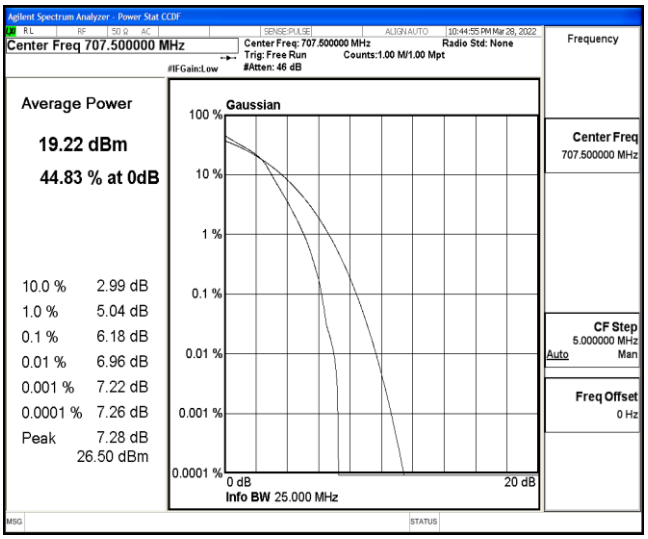


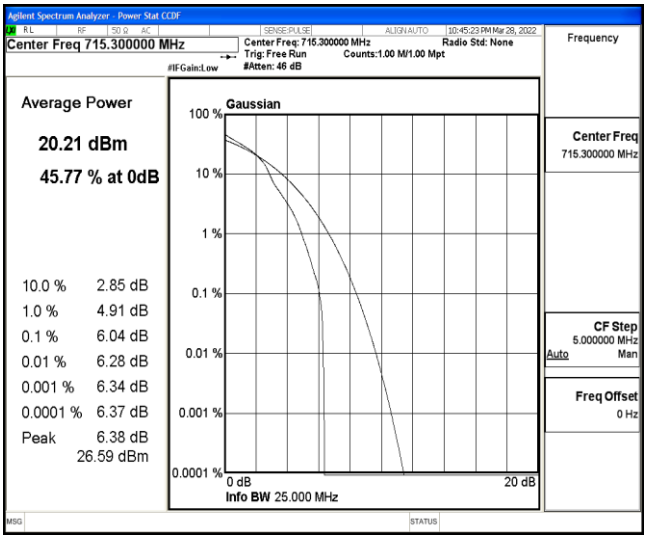
Band12-1.4MHz-16QAM-23095-1RB#0



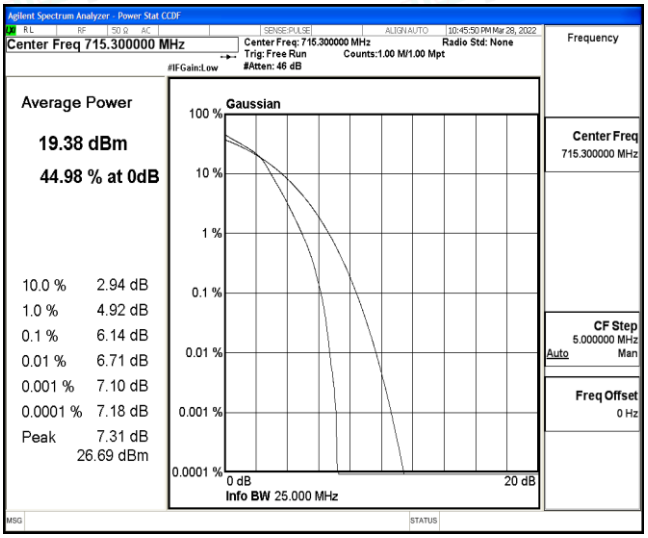
Band12-1.4MHz-16QAM-23095-6RB#0



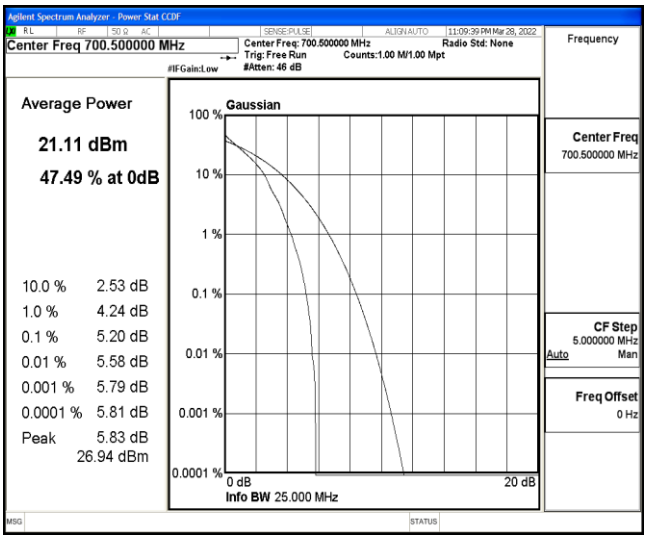
Band12-1.4MHz-16QAM-23173-1RB#0



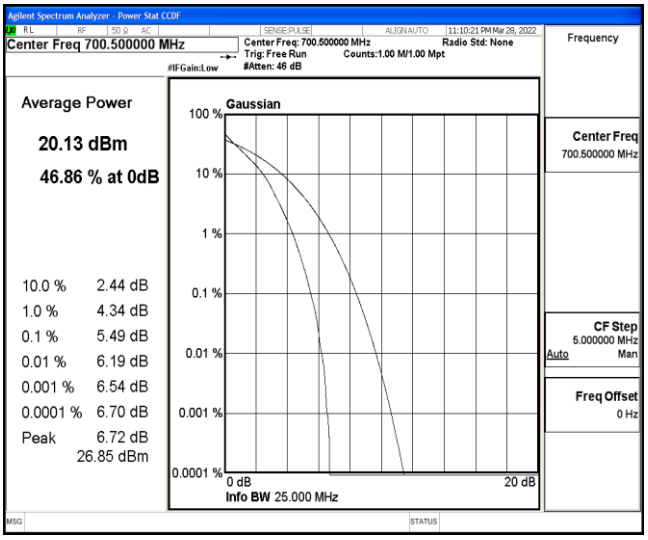
Band12-1.4MHz-16QAM-23173-6RB#0



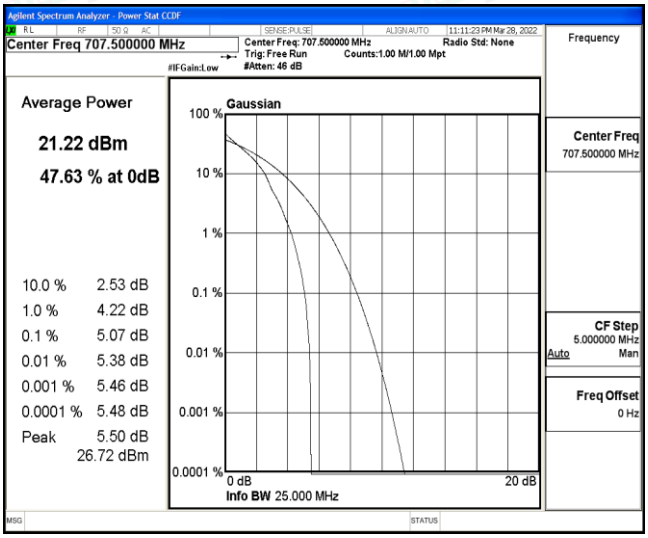
Band12-3MHz-QPSK-23025-1RB#0



Band12-3MHz-QPSK-23025-15RB#0



Band12-3MHz-QPSK-23095-1RB#0



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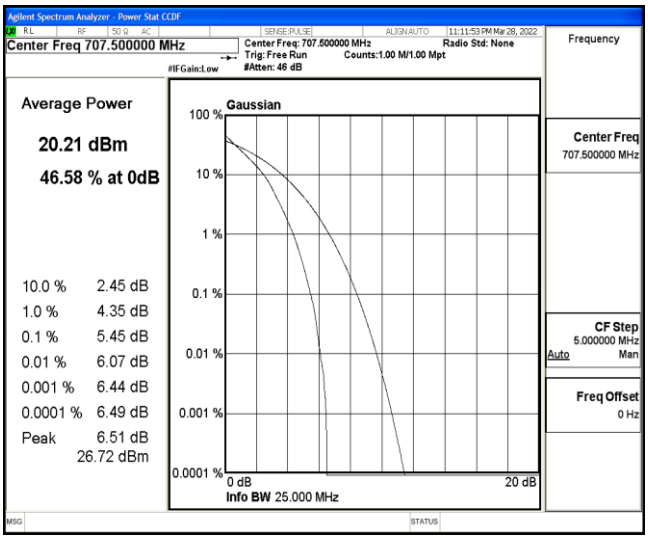

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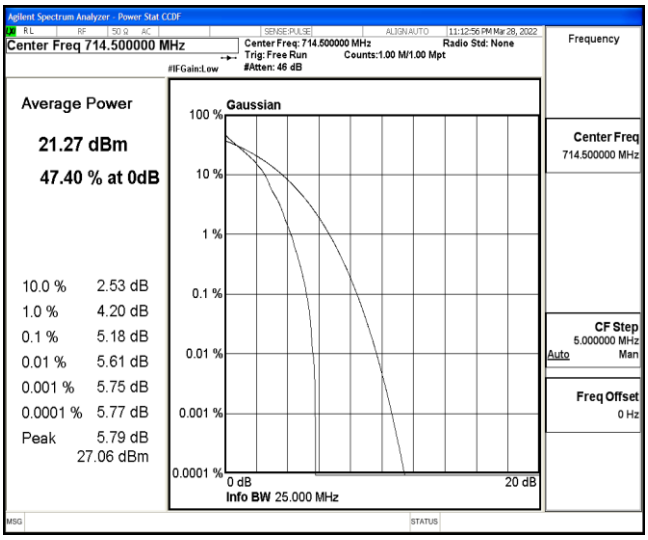

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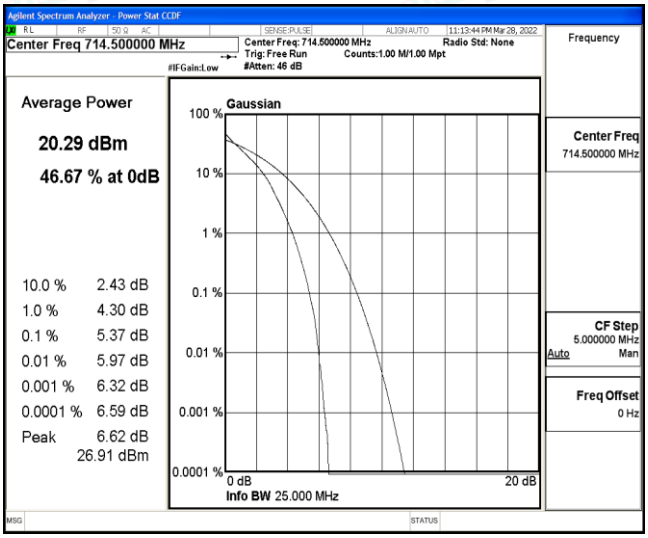

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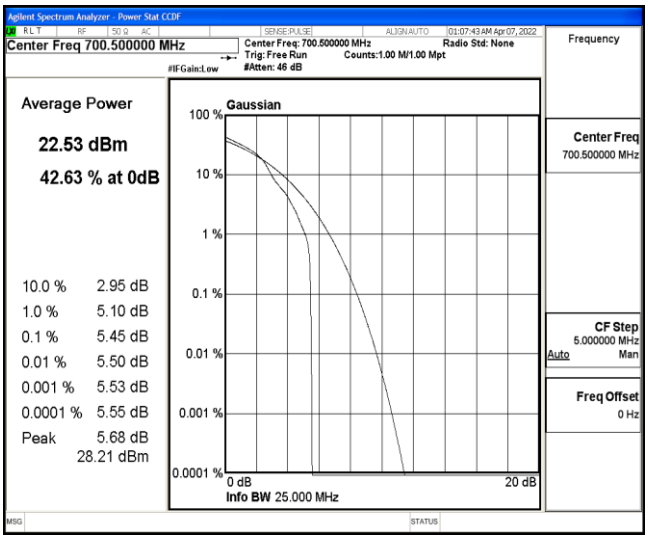

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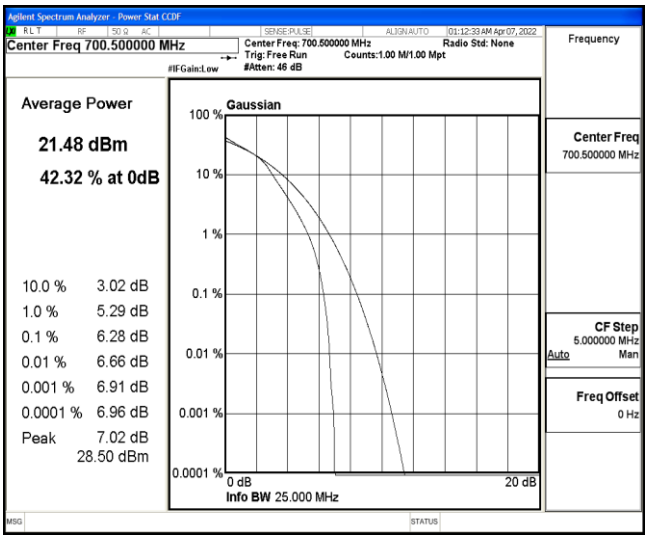

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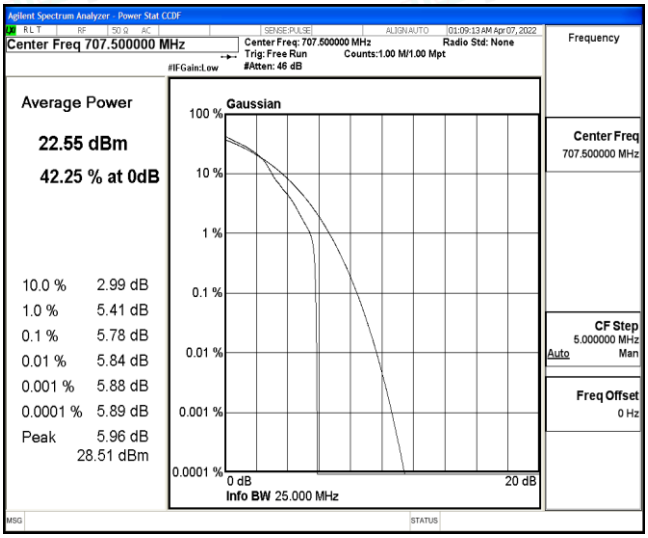

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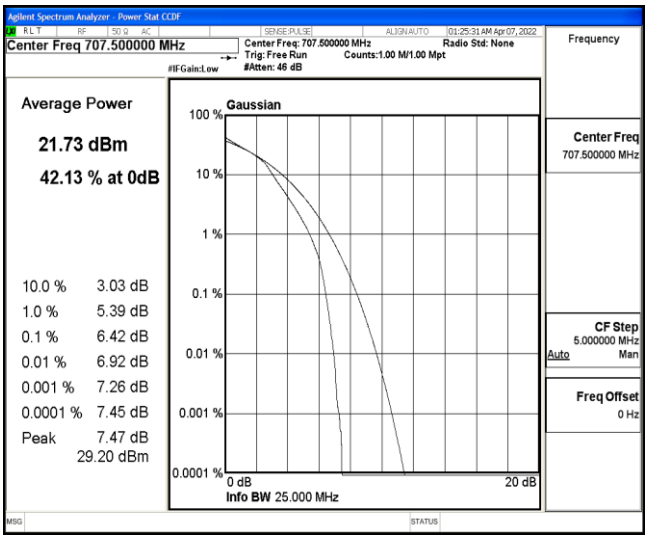

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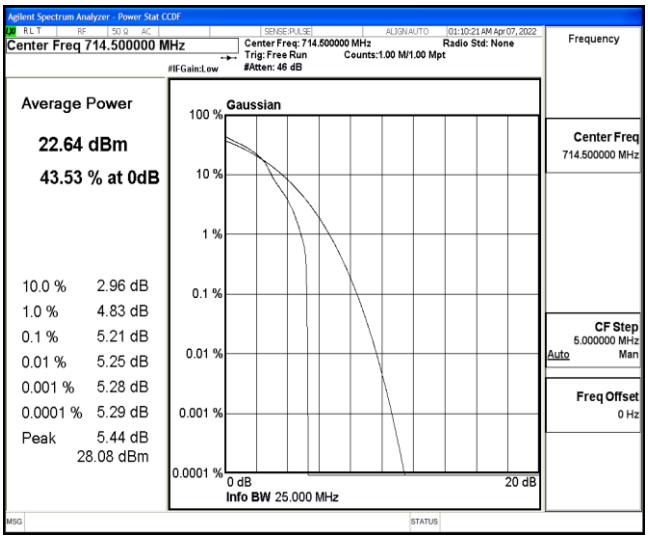

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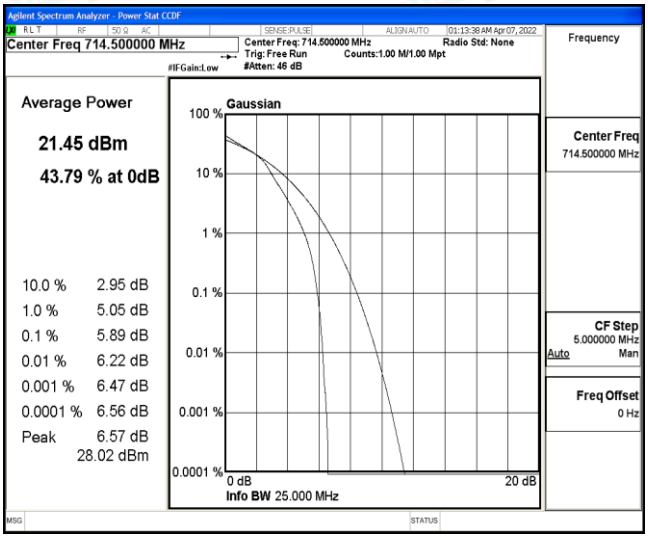

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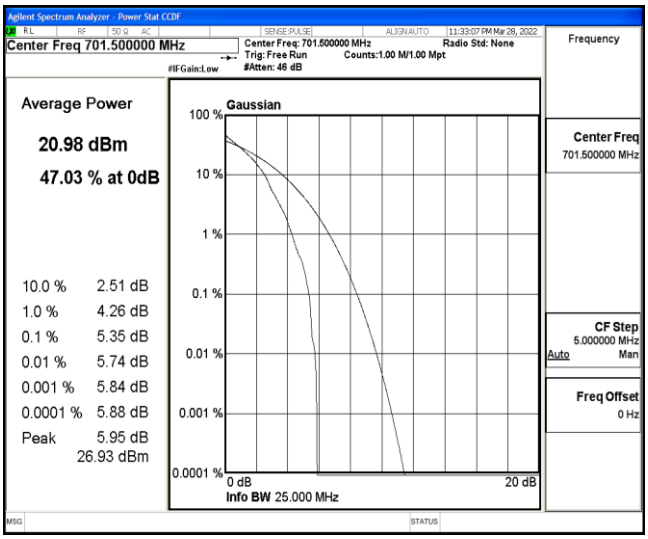

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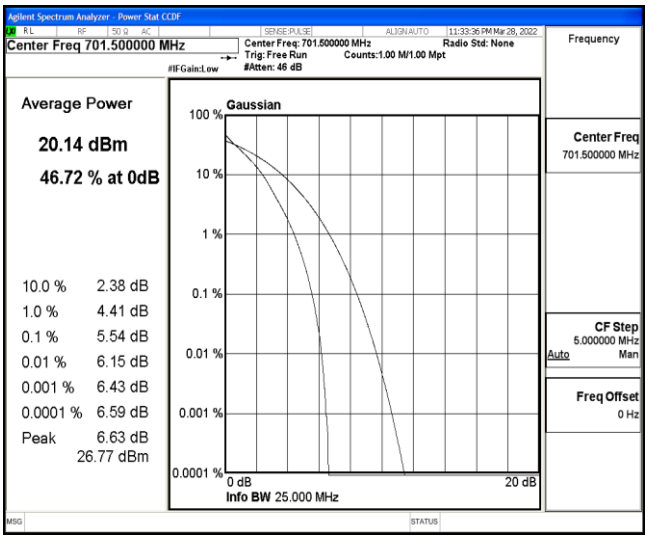

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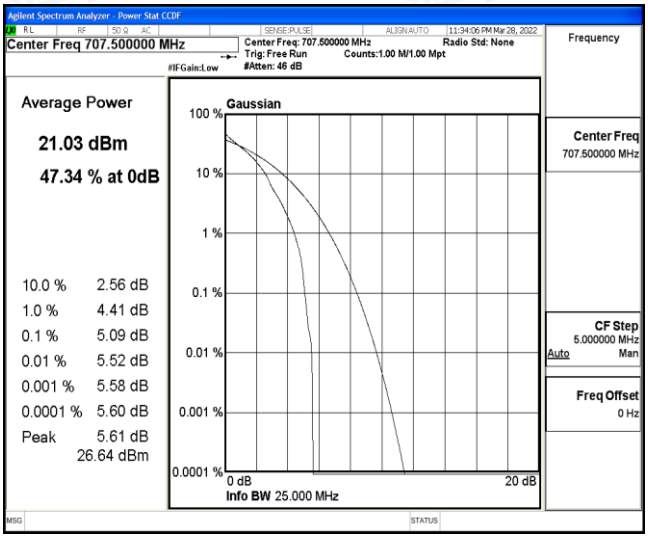

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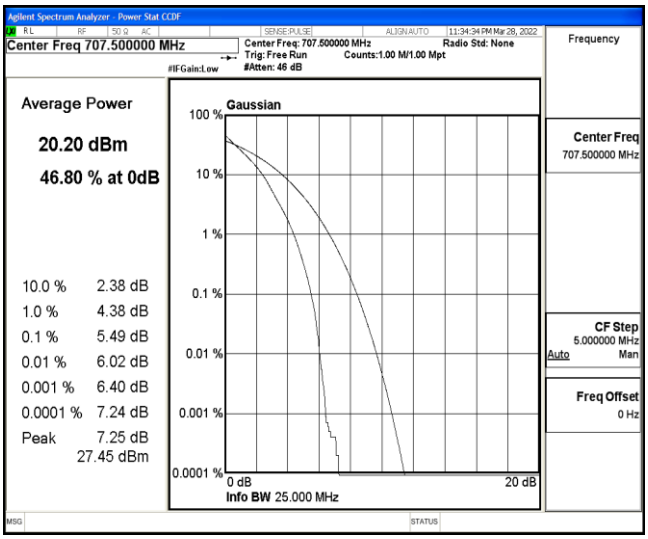

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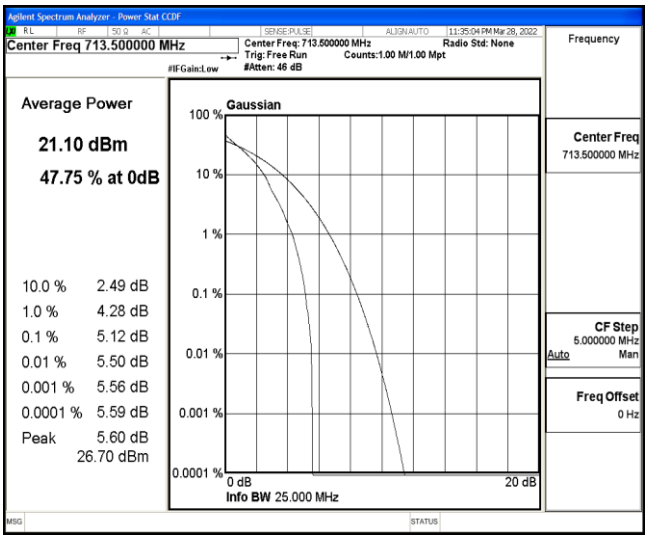

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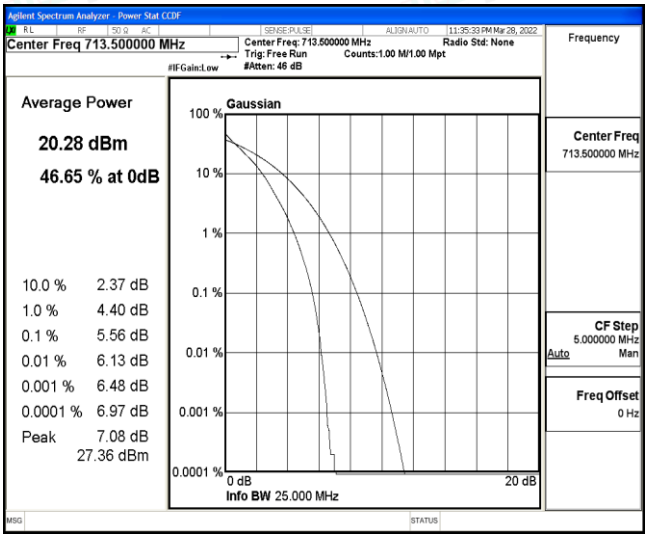

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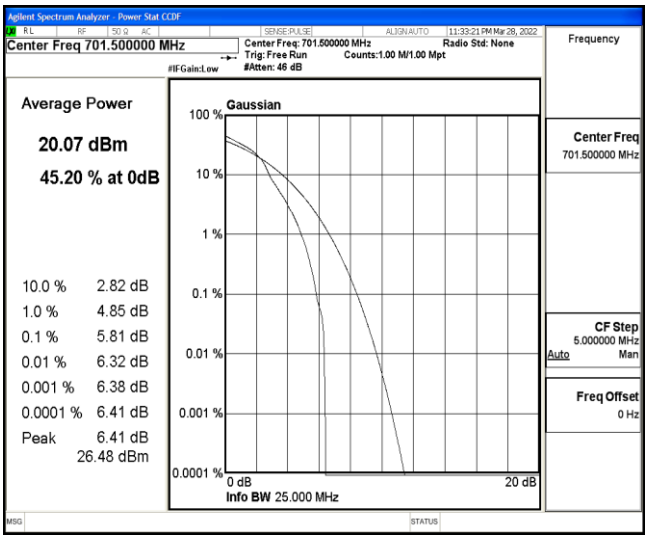

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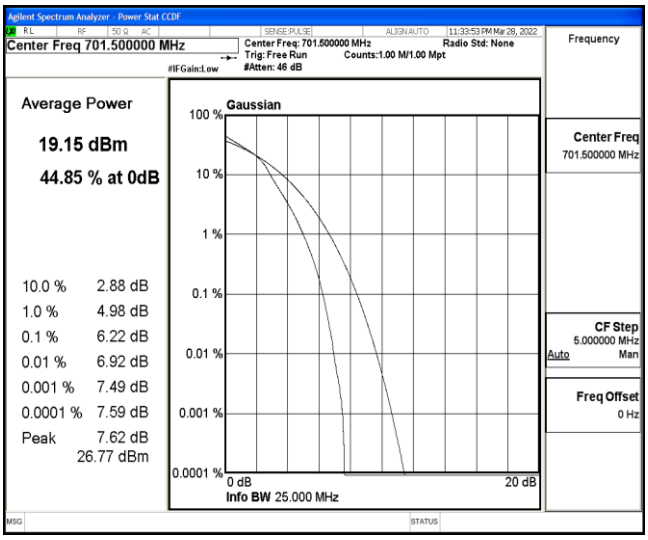

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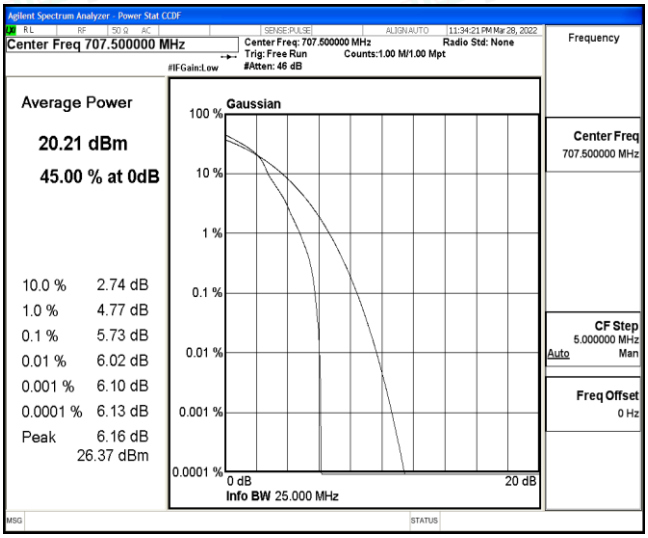

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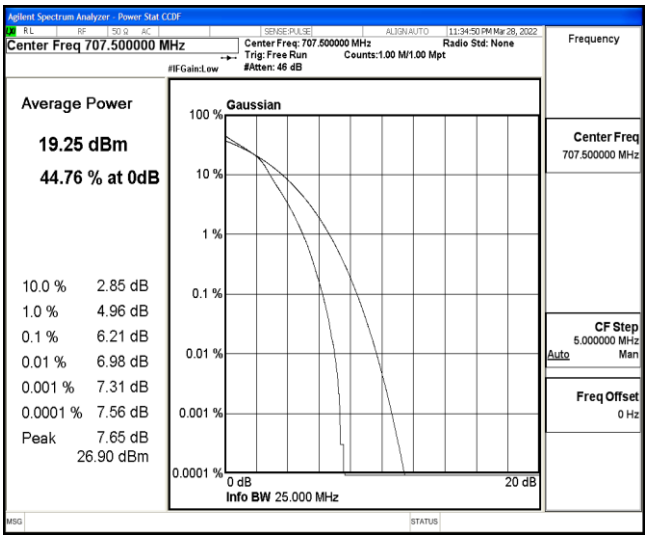

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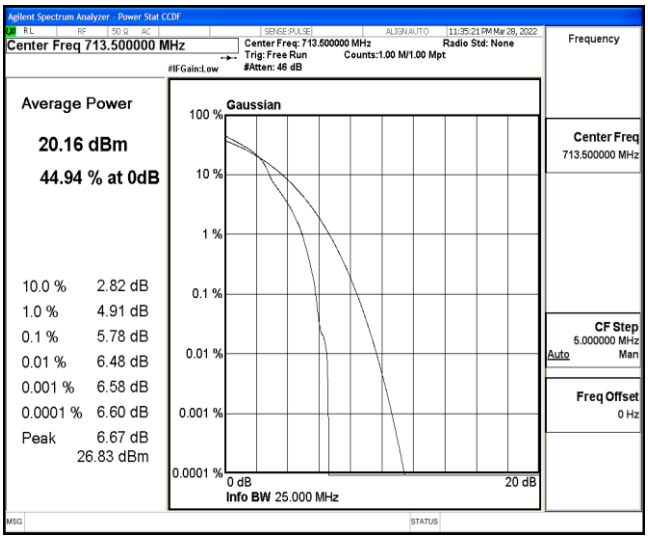

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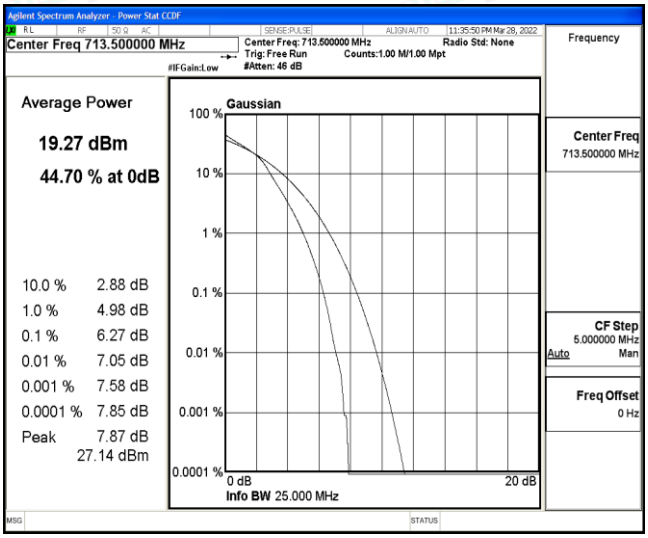

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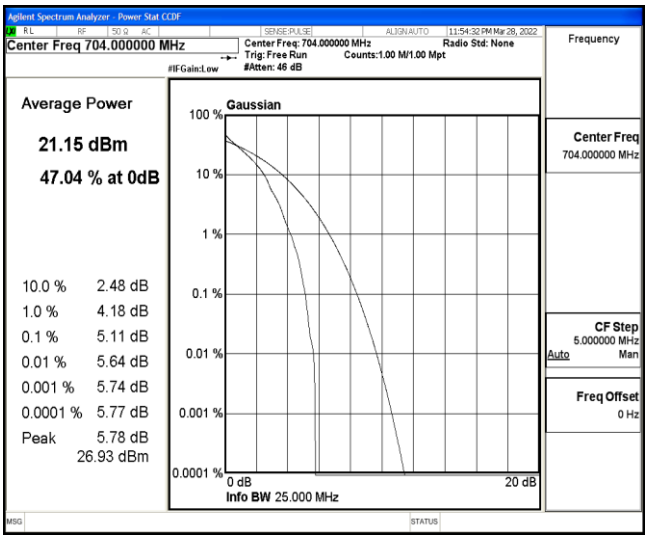

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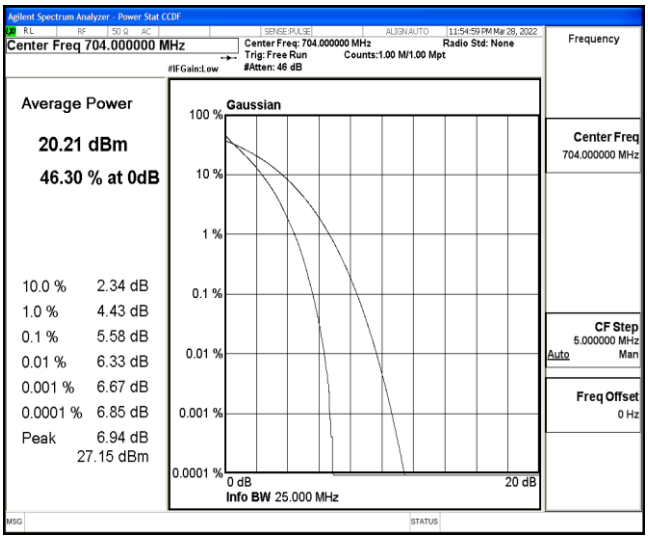

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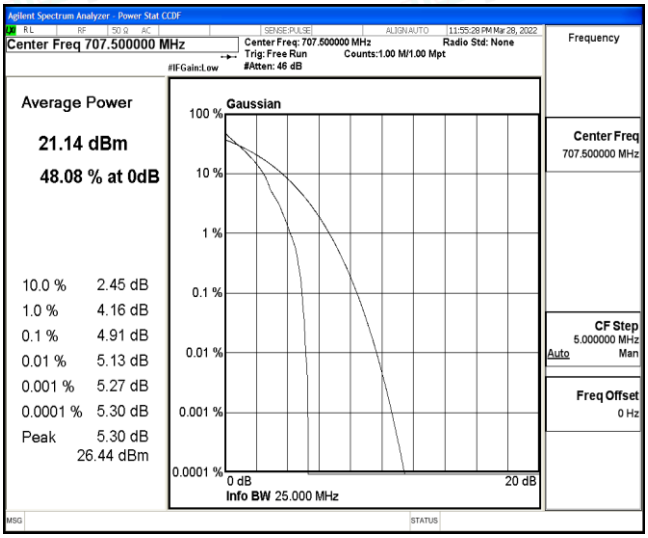

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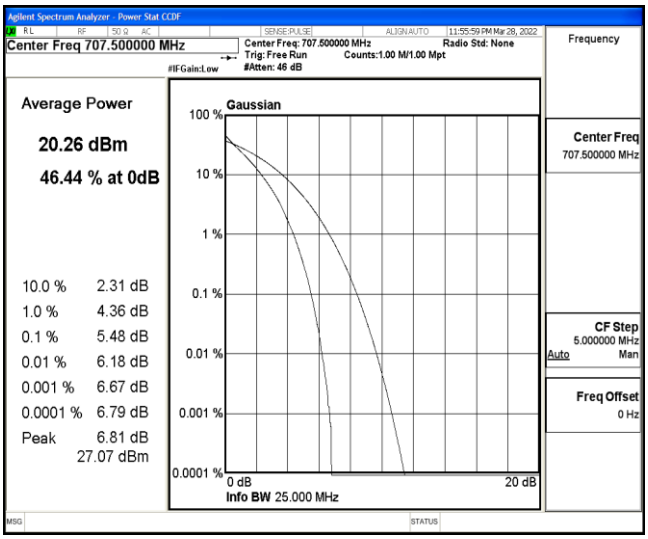

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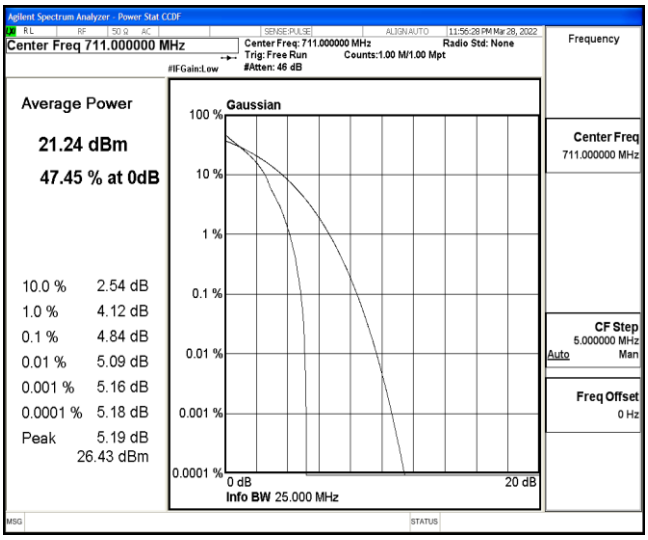

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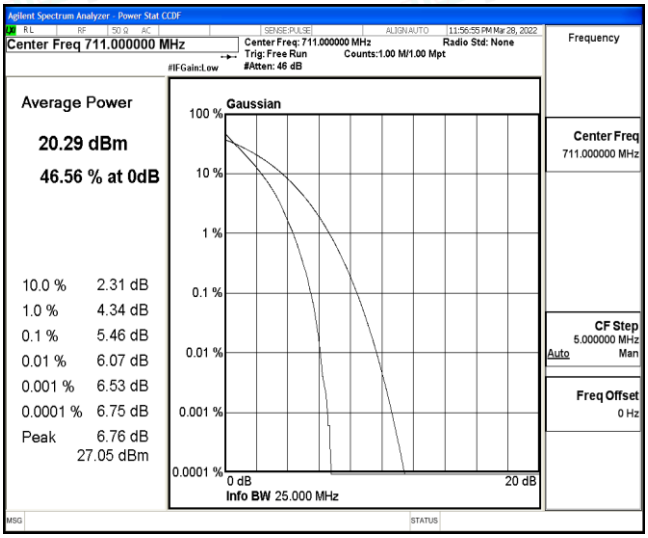

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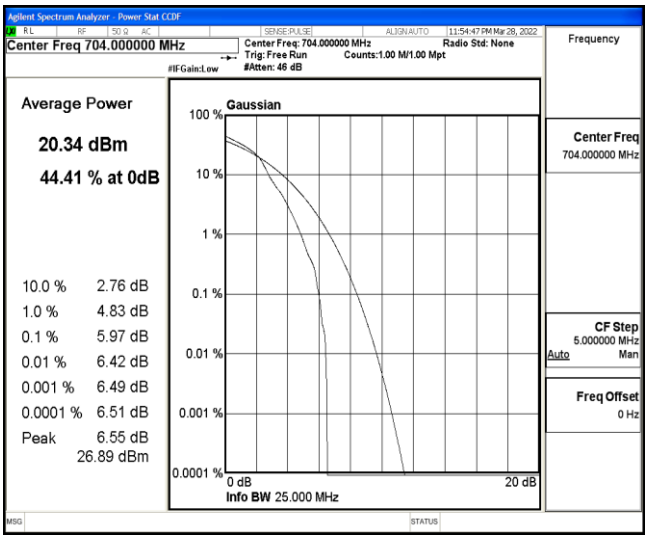

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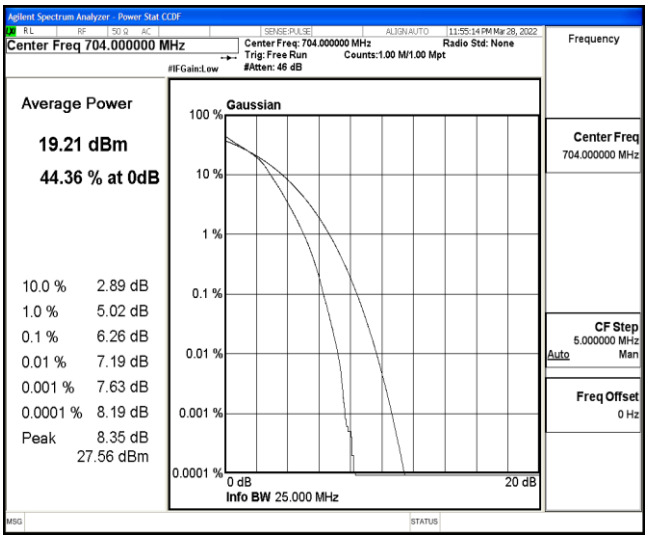

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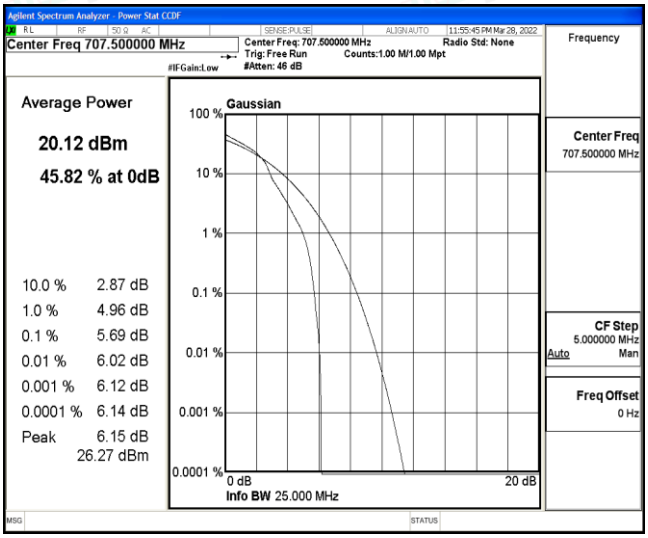

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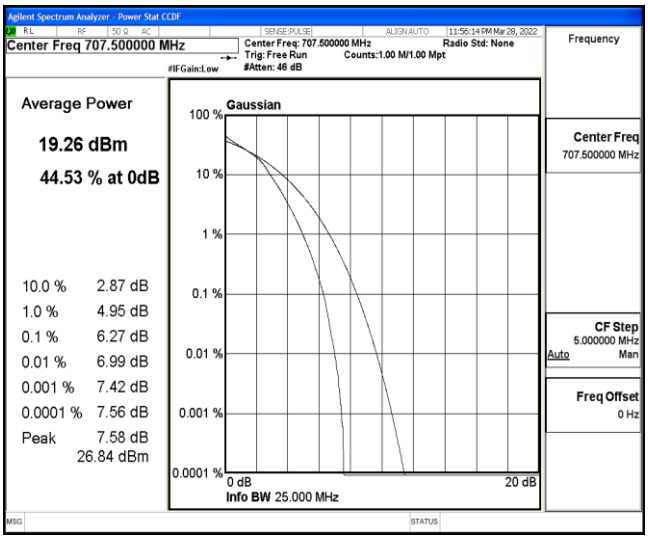

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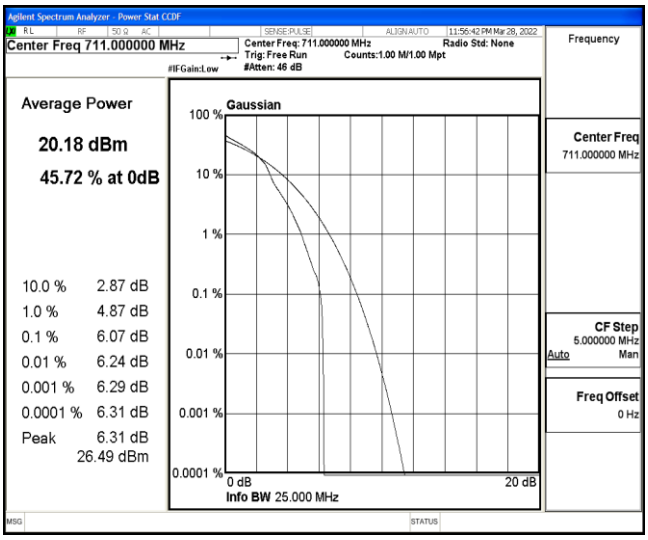
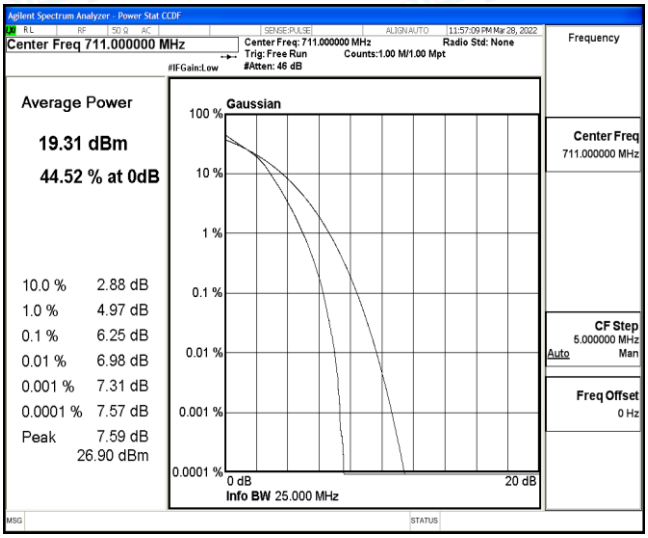


Band12-10MHz-16QAM-23130-50RB#0


Agilent Spectrum Analyzer - Power Stat CCDF
Center Freq 711.000000 MHz
Center Freq: 711.000000 MHz
Trig: Free Run
#Atten: 46 dB
Counts: 1.00 M/1.00 Mpt
Radio Std: None
Frequency
Average Power
19.31 dBm
44.52 % at 0dB
10.0 % 2.88 dB
1.0 % 4.97 dB
0.1 % 6.25 dB
0.01 % 6.98 dB
0.001 % 7.31 dB
0.0001 % 7.57 dB
Peak 7.59 dB
26.90 dBm
Gaussian
100 %
10 %
1 %
0.1 %
0.01 %
0.001 %
0.0001 %
0 dB
20 dB
Info BW 25.000 MHz
Center Freq
711.000000 MHz
CF Step
5.000000 MHz
Auto Man
Freq Offset
0 Hz

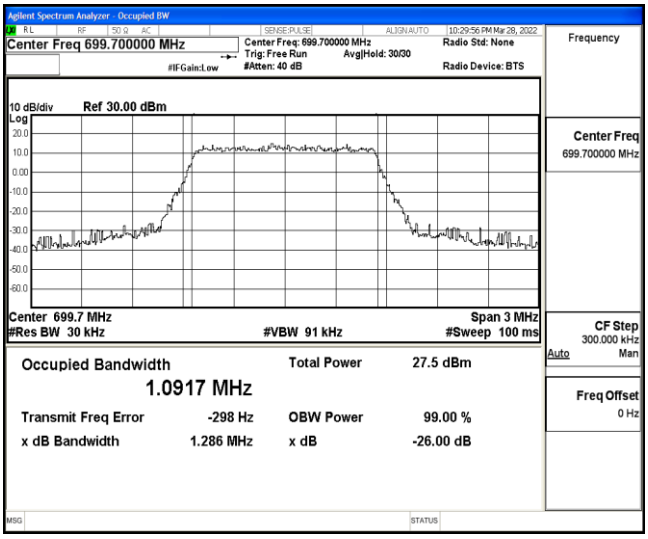
J.3 26dB Bandwidth and Occupied Bandwidth

Test Result

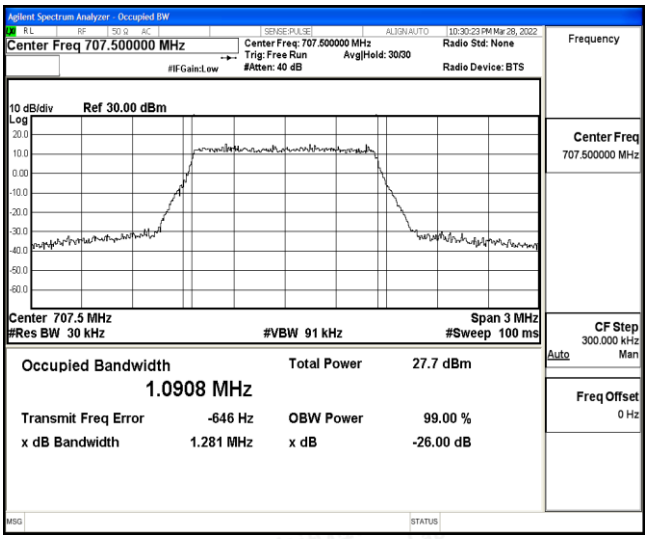
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band12	1.4MHz	QPSK	23017	6RB#0	1.0917	1.286	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	1.0908	1.281	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	1.0943	1.306	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	1.0926	1.294	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	1.0887	1.285	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	1.0890	1.296	PASS
Band12	3MHz	QPSK	23025	15RB#0	2.6904	2.926	PASS
Band12	3MHz	QPSK	23095	15RB#0	2.6873	2.897	PASS
Band12	3MHz	QPSK	23165	15RB#0	2.6904	2.897	PASS
Band12	3MHz	16QAM	23025	15RB#0	2.6826	2.904	PASS
Band12	3MHz	16QAM	23095	15RB#0	2.6839	2.904	PASS
Band12	3MHz	16QAM	23165	15RB#0	2.6867	2.893	PASS
Band12	5MHz	QPSK	23035	25RB#0	4.5241	5.184	PASS
Band12	5MHz	QPSK	23095	25RB#0	4.5132	5.138	PASS
Band12	5MHz	QPSK	23155	25RB#0	4.5267	6.132	PASS
Band12	5MHz	16QAM	23035	25RB#0	4.5227	5.121	PASS
Band12	5MHz	16QAM	23095	25RB#0	4.5301	5.173	PASS
Band12	5MHz	16QAM	23155	25RB#0	4.5408	6.163	PASS
Band12	10MHz	QPSK	23060	50RB#0	9.0099	10.06	PASS
Band12	10MHz	QPSK	23095	50RB#0	9.0112	10.75	PASS
Band12	10MHz	QPSK	23130	50RB#0	9.0187	10.97	PASS
Band12	10MHz	16QAM	23060	50RB#0	9.0071	9.981	PASS
Band12	10MHz	16QAM	23095	50RB#0	8.9962	10.81	PASS
Band12	10MHz	16QAM	23130	50RB#0	9.0128	11.02	PASS

Test Graphs

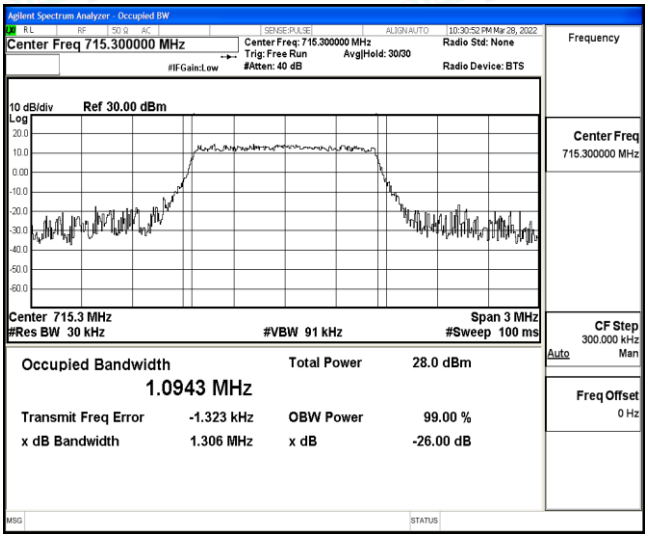
Band12-1.4MHz-QPSK-23017-6RB#0



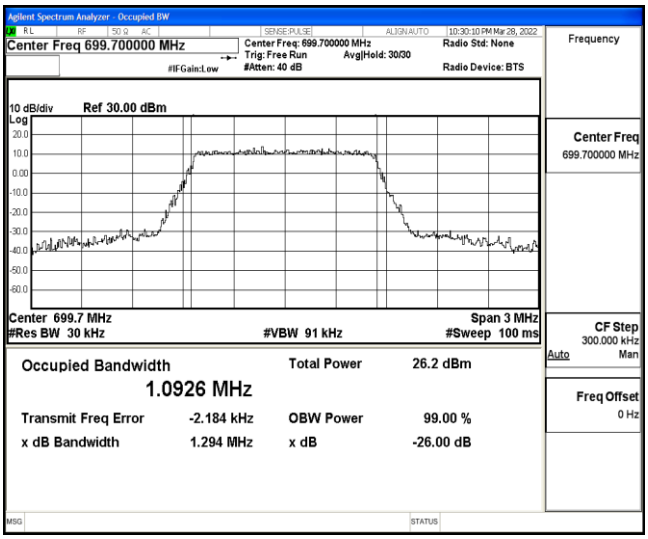
Band12-1.4MHz-QPSK-23095-6RB#0



Band12-1.4MHz-QPSK-23173-6RB#0



Band12-1.4MHz-16QAM-23017-6RB#0



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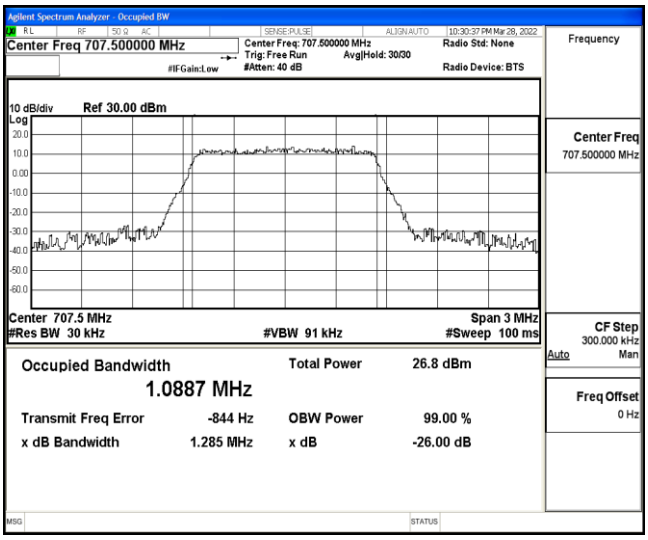

Band12-1.4MHz-16QAM-23173-6RB#0