AppendixA: Effective (Isotropic) Radiated Power Output Data

Test Result

Bandwidth	Modulation	Channel	RB Configuration	Average Power [dBm]	E.r.p [dBm]	Verdict
1.4MHz	QPSK	23017	1RB#0	22.61	11.12	PASS
1.4MHz	QPSK	23017	1RB#2	22.71	11.22	PASS
1.4MHz	QPSK	23017	1RB#5	22.61	11.12	PASS
1.4MHz	QPSK	23017	3RB#0	22.68	11.19	PASS
1.4MHz	QPSK	23017	3RB#1	22.63	11.14	PASS
1.4MHz	QPSK	23017	3RB#3	22.64	11.15	PASS
1.4MHz	QPSK	23017	6RB#0	21.63	10.14	PASS
1.4MHz	QPSK	23095	1RB#0	22.70	11.21	PASS
1.4MHz	QPSK	23095	1RB#2	22.72	11.23	PASS
1.4MHz	QPSK	23095	1RB#5	22.61	11.12	PASS
1.4MHz	QPSK	23095	3RB#0	22.71	11.22	PASS
1.4MHz	QPSK	23095	3RB#1	22.73	11.24	PASS
1.4MHz	QPSK	23095	3RB#3	22.72	11.23	PASS
1.4MHz	QPSK	23095	6RB#0	21.69	10.20	PASS
1.4MHz	QPSK	23173	1RB#0	22.70	11.21	PASS
1.4MHz	QPSK	23173	1RB#2	22.74	11.25	PASS
1.4MHz	QPSK	23173	1RB#5	22.57	11.08	PASS
1.4MHz	QPSK	23173	3RB#0	22.69	11.20	PASS
1.4MHz	QPSK	23173	3RB#1	22.70	11.21	PASS
1.4MHz	QPSK	23173	3RB#3	22.63	11.14	PASS
1.4MHz	QPSK	23173	6RB#0	21.66	10.17	PASS
1.4MHz	16QAM	23017	1RB#0	21.45	9.96	PASS
1.4MHz	16QAM	23017	1RB#2	21.69	10.20	PASS
1.4MHz	16QAM	23017	1RB#5	21.48	9.99	PASS
1.4MHz	16QAM	23017	3RB#0	21.44	9.95	PASS
1.4MHz	16QAM	23017	3RB#1	21.46	9.97	PASS
1.4MHz	16QAM	23017	3RB#3	21.43	9.94	PASS
1.4MHz	16QAM	23017	6RB#0	20.58	9.09	PASS
1.4MHz	16QAM	23095	1RB#0	21.55	10.06	PASS
1.4MHz	16QAM	23095	1RB#2	21.69	10.20	PASS
1.4MHz	16QAM	23095	1RB#5	21.50	10.01	PASS

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1.4MHz	16QAM	23095	3RB#0	21.50	10.01	PASS
1.4MHz	16QAM	23095	3RB#1	21.56	10.07	PASS
1.4MHz	16QAM	23095	3RB#3	21.47	9.98	PASS
1.4MHz	16QAM	23095	6RB#0	20.67	9.18	PASS
1.4MHz	16QAM	23173	1RB#0	21.54	10.05	PASS
1.4MHz	16QAM	23173	1RB#2	21.67	10.18	PASS
1.4MHz	16QAM	23173	1RB#5	21.47	9.98	PASS
1.4MHz	16QAM	23173	3RB#0	21.51	10.02	PASS
1.4MHz	16QAM	23173	3RB#1	21.50	10.01	PASS
1.4MHz	16QAM	23173	3RB#3	21.43	9.94	PASS
1.4MHz	16QAM	23173	6RB#0	20.68	9.19	PASS
3MHz	QPSK	23025	1RB#0	22.69	11.20	PASS
3MHz	QPSK	23025	1RB#8	22.69	11.20	PASS
3MHz	QPSK	23025	1RB#14	22.73	11.24	PASS
3MHz	QPSK	23025	8RB#0	21.69	10.20	PASS
3MHz	QPSK	23025	8RB#4	21.73	10.24	PASS
3MHz	QPSK	23025	8RB#7	21.70	10.21	PASS
3MHz	QPSK	23025	15RB#0	21.70	10.21	PASS
3MHz	QPSK	23095	1RB#0	22.74	11.25	PASS
3MHz	QPSK	23095	1RB#8	22.73	11.24	PASS
3MHz	QPSK	23095	1RB#14	22.73	11.24	PASS
3MHz	QPSK	23095	8RB#0	21.76	10.27	PASS
3MHz	QPSK	23095	8RB#4	21.73	10.24	PASS
3MHz	QPSK	23095	8RB#7	21.77	10.28	PASS
3MHz	QPSK	23095	15RB#0	21.74	10.25	PASS
3MHz	QPSK	23165	1RB#0	22.79	11.30	PASS
3MHz	QPSK	23165	1RB#8	22.81	11.32	PASS
3MHz	QPSK	23165	1RB#14	22.82	11.33	PASS
3MHz	QPSK	23165	8RB#0	21.83	10.34	PASS
3MHz	QPSK	23165	8RB#4	21.83	10.34	PASS
3MHz	QPSK	23165	8RB#7	21.78	10.29	PASS
3MHz	QPSK	23165	15RB#0	21.70	10.21	PASS
3MHz	16QAM	23025	1RB#0	21.51	10.02	PASS
3MHz	16QAM	23025	1RB#8	21.47	9.98	PASS
3MHz	16QAM	23025	1RB#14	21.56	10.07	PASS
3MHz	16QAM	23025	8RB#0	20.64	9.15	PASS
3MHz	16QAM	23025	8RB#4	20.66	9.17	PASS

3MHz	16QAM	23025	8RB#7	20.64	9.15	PASS
3MHz	16QAM	23025	15RB#0	20.60	9.11	PASS
3MHz	16QAM	23095	1RB#0	21.62	10.13	PASS
3MHz	16QAM	23095	1RB#8	21.56	10.07	PASS
3MHz	16QAM	23095	1RB#14	21.54	10.05	PASS
3MHz	16QAM	23095	8RB#0	20.73	9.24	PASS
3MHz	16QAM	23095	8RB#4	20.74	9.25	PASS
3MHz	16QAM	23095	8RB#7	20.76	9.27	PASS
3MHz	16QAM	23095	15RB#0	20.62	9.13	PASS
3MHz	16QAM	23165	1RB#0	21.66	10.17	PASS
3MHz	16QAM	23165	1RB#8	21.55	10.06	PASS
3MHz	16QAM	23165	1RB#14	21.52	10.03	PASS
3MHz	16QAM	23165	8RB#0	20.78	9.29	PASS
3MHz	16QAM	23165	8RB#4	20.80	9.31	PASS
3MHz	16QAM	23165	8RB#7	20.76	9.27	PASS
3MHz	16QAM	23165	15RB#0	20.65	9.16	PASS
5MHz	QPSK	23035	1RB#0	22.62	11.13	PASS
5MHz	QPSK	23035	1RB#12	22.76	11.27	PASS
5MHz	QPSK	23035	1RB#24	22.77	11.28	PASS
5MHz	QPSK	23035	12RB#0	21.75	10.26	PASS
5MHz	QPSK	23035	12RB#6	21.69	10.20	PASS
5MHz	QPSK	23035	12RB#13	21.64	10.15	PASS
5MHz	QPSK	23035	25RB#0	21.66	10.17	PASS
5MHz	QPSK	23095	1RB#0	22.63	11.14	PASS
5MHz	QPSK	23095	1RB#12	22.77	11.28	PASS
5MHz	QPSK	23095	1RB#24	22.62	11.13	PASS
5MHz	QPSK	23095	12RB#0	21.62	10.13	PASS
5MHz	QPSK	23095	12RB#6	21.66	10.17	PASS
5MHz	QPSK	23095	12RB#13	21.80	10.31	PASS
5MHz	QPSK	23095	25RB#0	21.80	10.31	PASS
5MHz	QPSK	23155	1RB#0	22.62	11.13	PASS
5MHz	QPSK	23155	1RB#12	22.79	11.30	PASS
5MHz	QPSK	23155	1RB#24	22.65	11.16	PASS
5MHz	QPSK	23155	12RB#0	21.85	10.36	PASS
5MHz	QPSK	23155	12RB#6	21.80	10.31	PASS
5MHz	QPSK	23155	12RB#13	21.58	10.09	PASS
5MHz	QPSK	23155	25RB#0	21.76	10.27	PASS

5MHz	16QAM	23035	1RB#0	21.48	9.99	PASS
5MHz	16QAM	23035	1RB#12	21.73	10.24	PASS
5MHz	16QAM	23035	1RB#24	21.57	10.08	PASS
5MHz	16QAM	23035	12RB#0	20.71	9.22	PASS
5MHz	16QAM	23035	12RB#6	20.68	9.19	PASS
5MHz	16QAM	23035	12RB#13	20.56	9.07	PASS
5MHz	16QAM	23035	25RB#0	20.62	9.13	PASS
5MHz	16QAM	23095	1RB#0	21.64	10.15	PASS
5MHz	16QAM	23095	1RB#12	21.79	10.30	PASS
5MHz	16QAM	23095	1RB#24	21.65	10.16	PASS
5MHz	16QAM	23095	12RB#0	20.63	9.14	PASS
5MHz	16QAM	23095	12RB#6	20.67	9.18	PASS
5MHz	16QAM	23095	12RB#13	20.84	9.35	PASS
5MHz	16QAM	23095	25RB#0	20.74	9.25	PASS
5MHz	16QAM	23155	1RB#0	21.50	10.01	PASS
5MHz	16QAM	23155	1RB#12	21.65	10.16	PASS
5MHz	16QAM	23155	1RB#24	21.48	9.99	PASS
5MHz	16QAM	23155	12RB#0	20.89	9.40	PASS
5MHz	16QAM	23155	12RB#6	20.83	9.34	PASS
5MHz	16QAM	23155	12RB#13	20.60	9.11	PASS
5MHz	16QAM	23155	25RB#0	20.75	9.26	PASS
10MHz	QPSK	23060	1RB#0	22.67	11.18	PASS
10MHz	QPSK	23060	1RB#24	22.81	11.32	PASS
10MHz	QPSK	23060	1RB#49	22.65	11.16	PASS
10MHz	QPSK	23060	25RB#0	21.95	10.46	PASS
10MHz	QPSK	23060	25RB#12	21.91	10.42	PASS
10MHz	QPSK	23060	25RB#25	21.89	10.40	PASS
10MHz	QPSK	23060	50RB#0	21.90	10.41	PASS
10MHz	QPSK	23095	1RB#0	22.73	11.24	PASS
10MHz	QPSK	23095	1RB#24	22.79	11.30	PASS
10MHz	QPSK	23095	1RB#49	22.71	11.22	PASS
10MHz	QPSK	23095	25RB#0	21.68	10.19	PASS
10MHz	QPSK	23095	25RB#12	21.67	10.18	PASS
10MHz	QPSK	23095	25RB#25	21.75	10.26	PASS
10MHz	QPSK	23095	50RB#0	21.68	10.19	PASS
10MHz	QPSK	23130	1RB#0	22.77	11.28	PASS
10MHz	QPSK	23130	1RB#24	22.90	11.41	PASS

10MHz	QPSK	23130	1RB#49	22.73	11.24	PASS
10MHz	QPSK	23130	25RB#0	21.54	10.05	PASS
10MHz	QPSK	23130	25RB#12	21.54	10.05	PASS
10MHz	QPSK	23130	25RB#25	21.42	9.93	PASS
10MHz	QPSK	23130	50RB#0	21.49	10.00	PASS
10MHz	16QAM	23060	1RB#0	21.63	10.14	PASS
10MHz	16QAM	23060	1RB#24	21.81	10.32	PASS
10MHz	16QAM	23060	1RB#49	21.70	10.21	PASS
10MHz	16QAM	23060	25RB#0	20.91	9.42	PASS
10MHz	16QAM	23060	25RB#12	20.90	9.41	PASS
10MHz	16QAM	23060	25RB#25	20.80	9.31	PASS
10MHz	16QAM	23060	50RB#0	20.84	9.35	PASS
10MHz	16QAM	23095	1RB#0	21.48	9.99	PASS
10MHz	16QAM	23095	1RB#24	21.73	10.24	PASS
10MHz	16QAM	23095	1RB#49	21.49	10.00	PASS
10MHz	16QAM	23095	25RB#0	20.60	9.11	PASS
10MHz	16QAM	23095	25RB#12	20.61	9.12	PASS
10MHz	16QAM	23095	25RB#25	20.73	9.24	PASS
10MHz	16QAM	23095	50RB#0	20.72	9.23	PASS
10MHz	16QAM	23130	1RB#0	21.39	9.90	PASS
10MHz	16QAM	23130	1RB#24	21.61	10.12	PASS
10MHz	16QAM	23130	1RB#49	21.41	9.92	PASS
10MHz	16QAM	23130	25RB#0	20.51	9.02	PASS
10MHz	16QAM	23130	25RB#12	20.50	9.01	PASS
10MHz	16QAM	23130	25RB#25	20.44	8.95	PASS
10MHz	16QAM	23130	50RB#0	20.52	9.03	PASS

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AppendixB: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	4.93	13	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	5.38	13	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	5.25	13	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	5.52	13	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	5.14	13	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	5.51	13	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	5.83	13	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	6.17	13	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	6.01	13	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	6.32	13	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	6.20	13	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	6.35	13	PASS
Band12	3MHz	QPSK	23025	1RB#0	4.56	13	PASS
Band12	3MHz	QPSK	23025	15RB#0	5.29	13	PASS
Band12	3MHz	QPSK	23095	1RB#0	5.18	13	PASS
Band12	3MHz	QPSK	23095	15RB#0	5.47	13	PASS
Band12	3MHz	QPSK	23165	1RB#0	4.99	13	PASS
Band12	3MHz	QPSK	23165	15RB#0	5.53	13	PASS
Band12	3MHz	16QAM	23025	1RB#0	5.71	13	PASS
Band12	3MHz	16QAM	23025	15RB#0	6.23	13	PASS
Band12	3MHz	16QAM	23095	1RB#0	6.20	13	PASS
Band12	3MHz	16QAM	23095	15RB#0	6.31	13	PASS
Band12	3MHz	16QAM	23165	1RB#0	5.79	13	PASS
Band12	3MHz	16QAM	23165	15RB#0	6.30	13	PASS
Band12	5MHz	QPSK	23035	1RB#0	4.84	13	PASS
Band12	5MHz	QPSK	23035	25RB#0	5.55	13	PASS
Band12	5MHz	QPSK	23095	1RB#0	5.17	13	PASS
Band12	5MHz	QPSK	23095	25RB#0	5.67	13	PASS
Band12	5MHz	QPSK	23155	1RB#0	4.95	13	PASS
Band12	5MHz	QPSK	23155	25RB#0	5.61	13	PASS
Band12	5MHz	16QAM	23035	1RB#0	5.67	13	PASS
Band12	5MHz	16QAM	23035	25RB#0	6.27	13	PASS
Band12	5MHz	16QAM	23095	1RB#0	5.86	13	PASS
Band12	5MHz	16QAM	23095	25RB#0	6.29	13	PASS
Band12	5MHz	16QAM	23155	1RB#0	5.71	13	PASS

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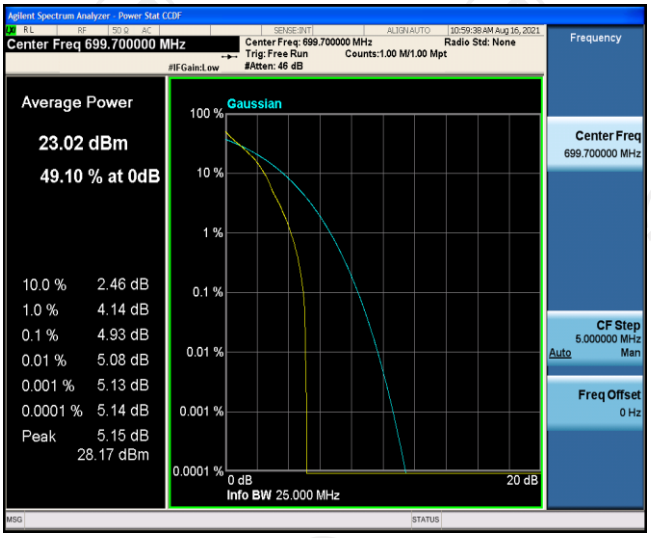
Band12	5MHz	16QAM	23155	25RB#0	6.31	13	PASS
Band12	10MHz	QPSK	23060	1RB#0	4.80	13	PASS
Band12	10MHz	QPSK	23060	50RB#0	5.67	13	PASS
Band12	10MHz	QPSK	23095	1RB#0	5.18	13	PASS
Band12	10MHz	QPSK	23095	50RB#0	5.54	13	PASS
Band12	10MHz	QPSK	23130	1RB#0	5.25	13	PASS
Band12	10MHz	QPSK	23130	50RB#0	5.38	13	PASS
Band12	10MHz	16QAM	23060	1RB#0	5.73	13	PASS
Band12	10MHz	16QAM	23060	50RB#0	6.39	13	PASS
Band12	10MHz	16QAM	23095	1RB#0	6.30	13	PASS
Band12	10MHz	16QAM	23095	50RB#0	6.31	13	PASS
Band12	10MHz	16QAM	23130	1RB#0	6.30	13	PASS
Band12	10MHz	16QAM	23130	50RB#0	6.17	13	PASS

Test Graphs

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

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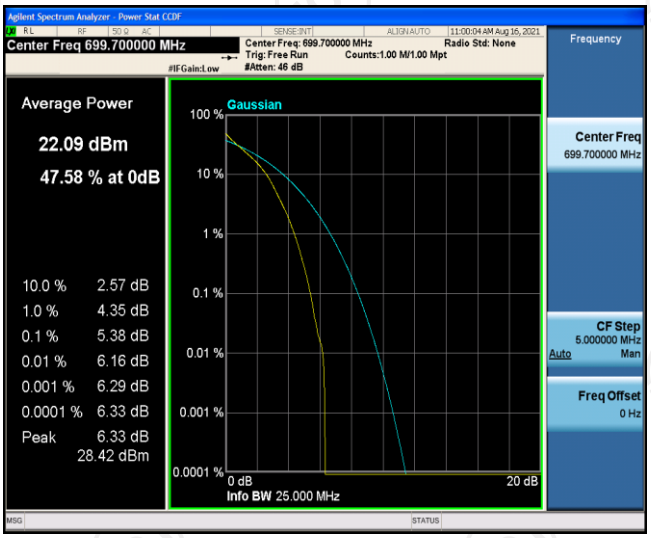
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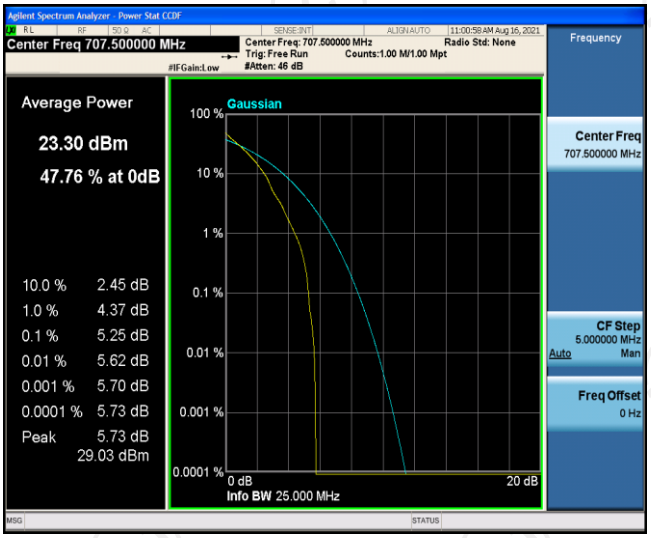

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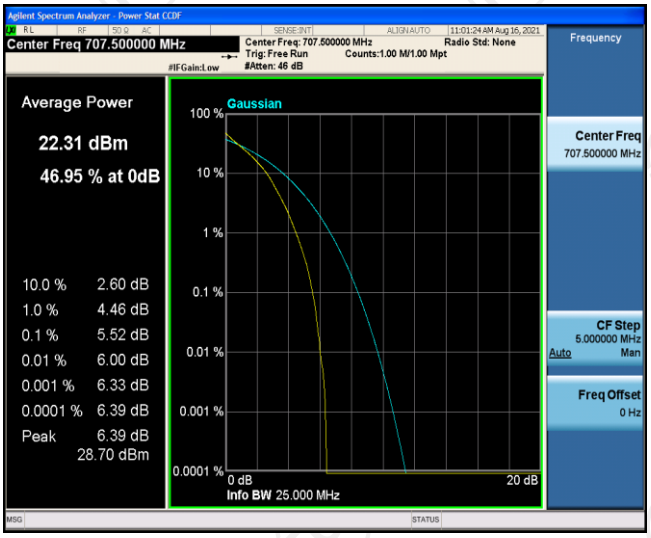
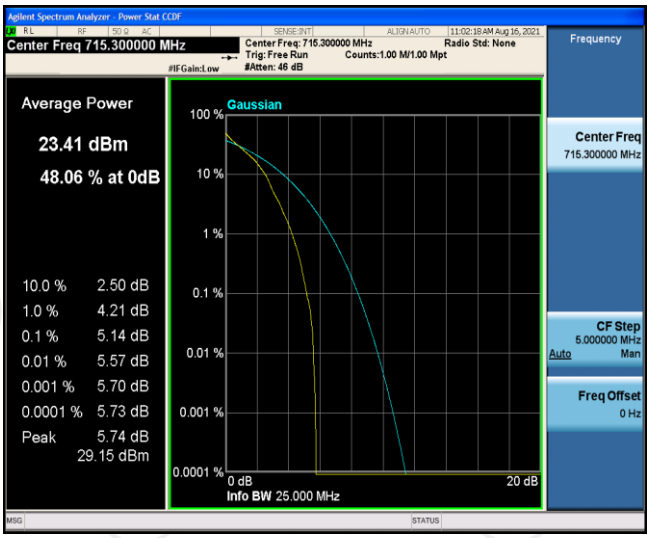
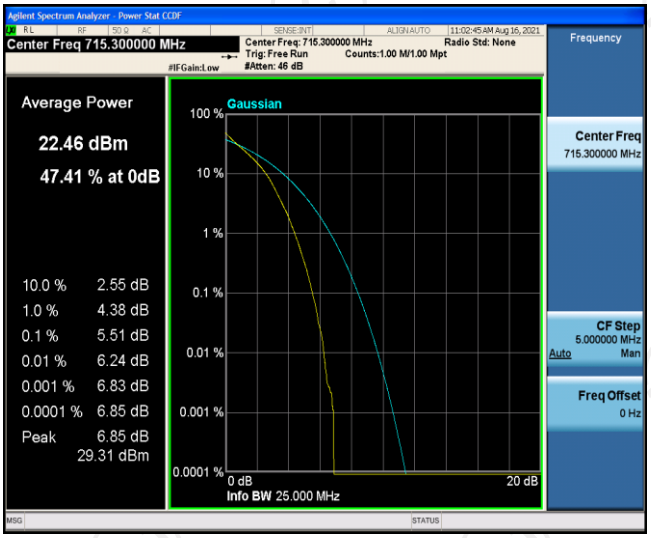


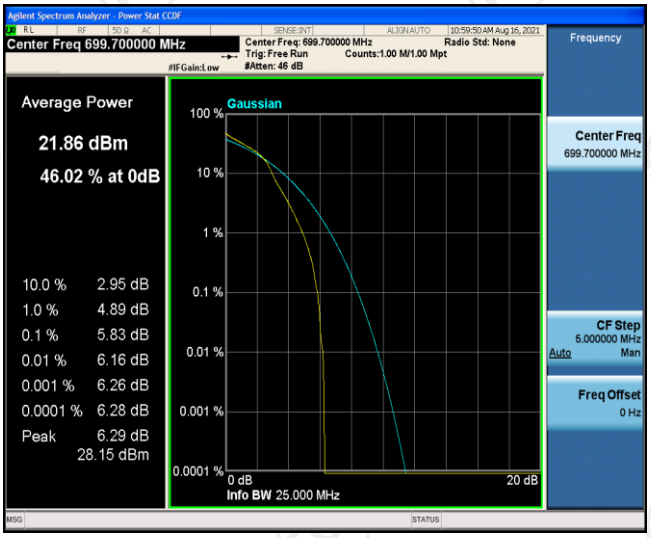
Band12-1.4MHz-QPSK-23173-1RB#0



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



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



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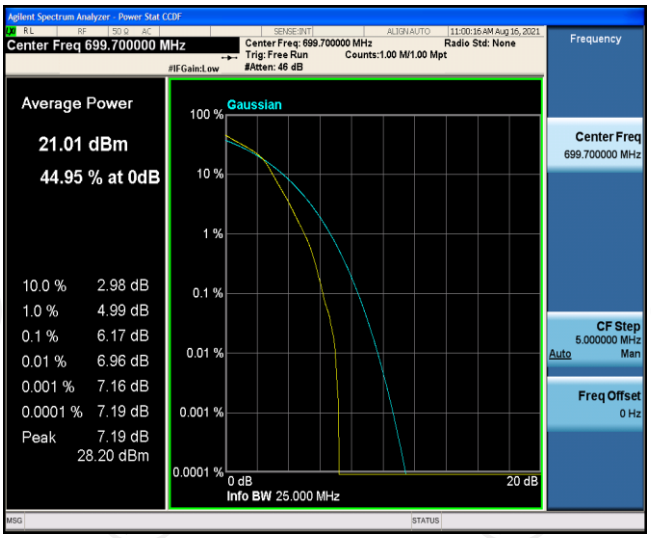
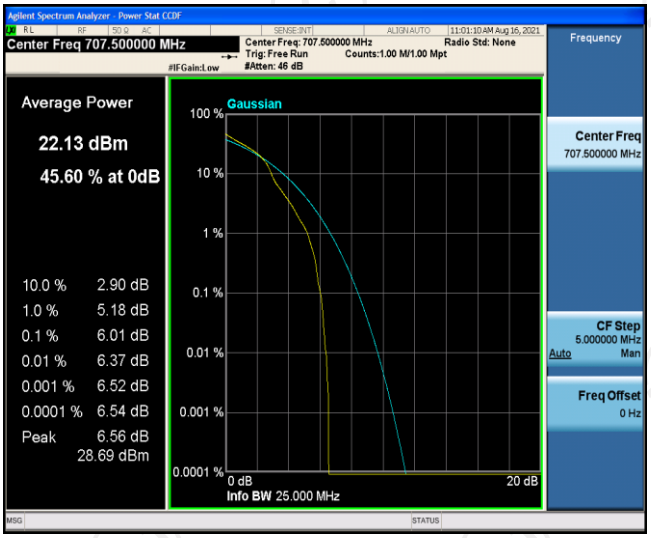


Band12-1.4MHz-16QAM-23095-1RB#0



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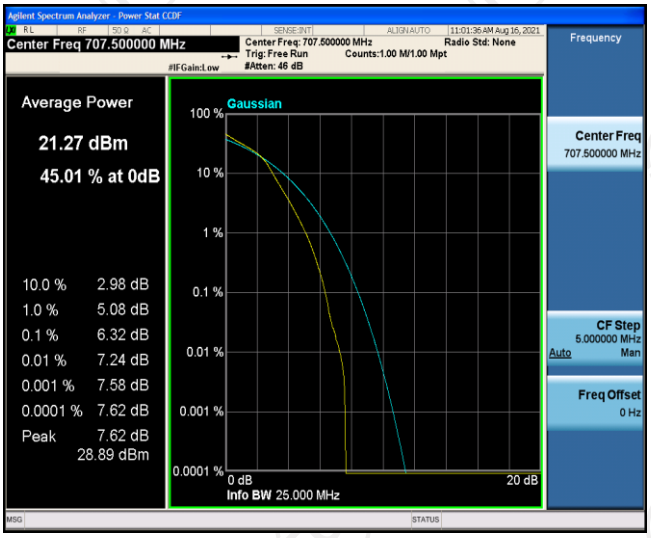
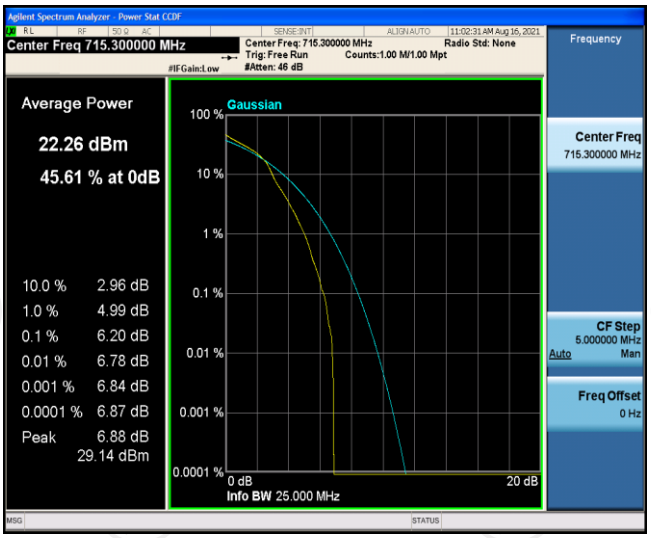
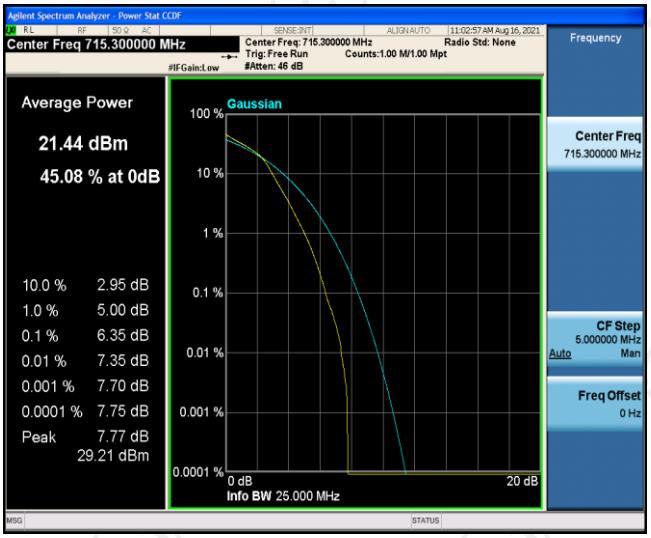


Band12-1.4MHz-16QAM-23173-1RB#0



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



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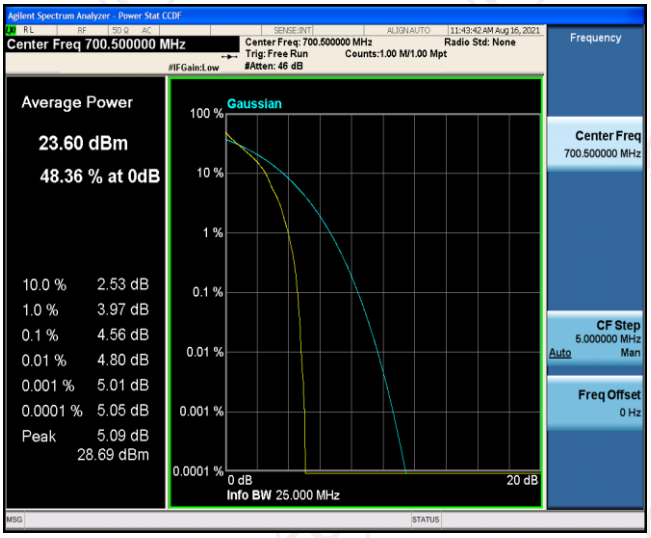

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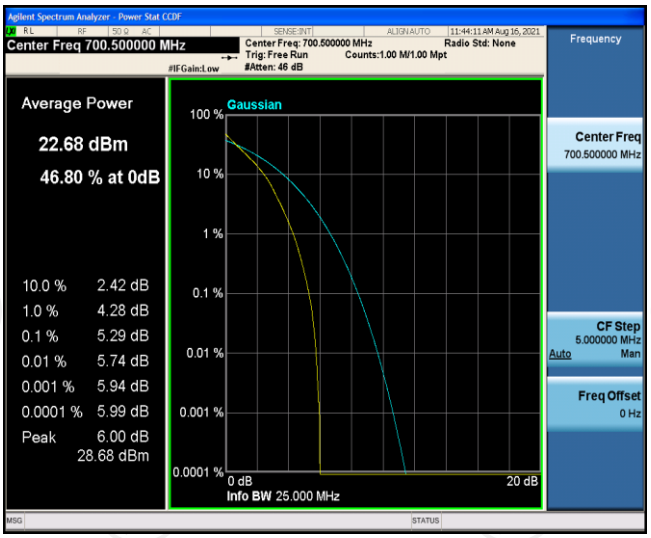

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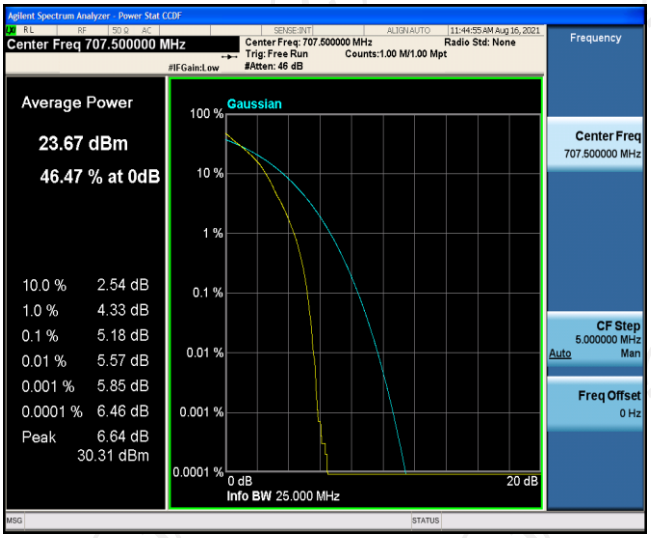

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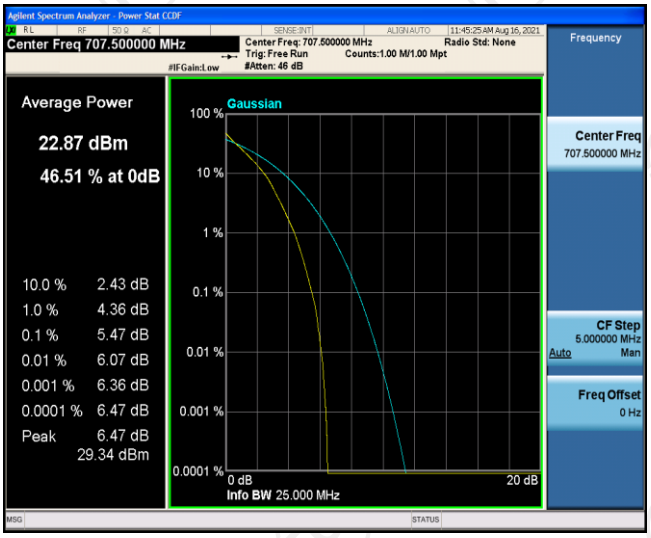

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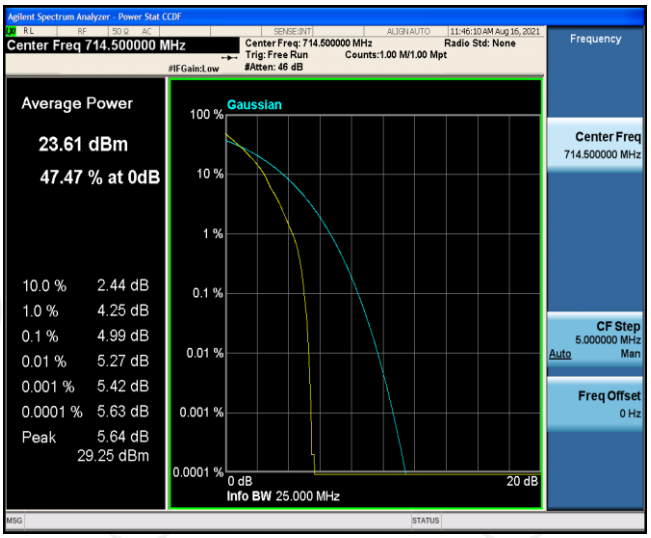

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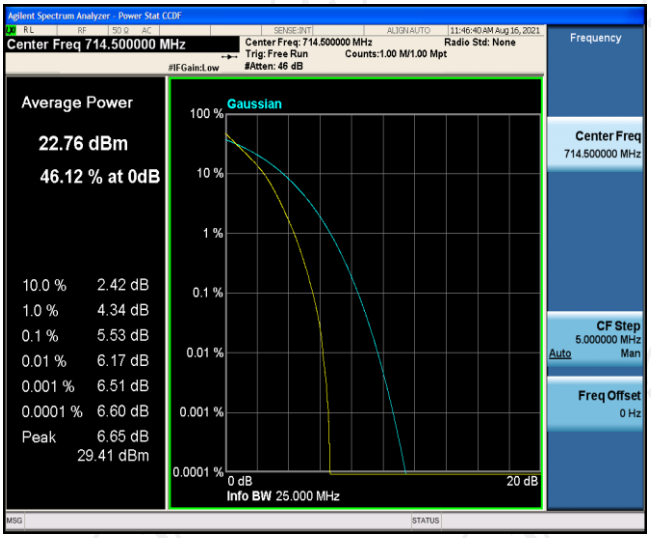

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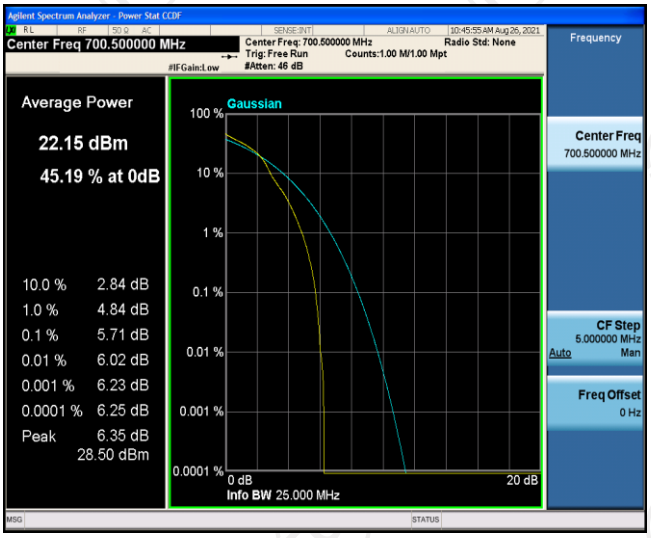

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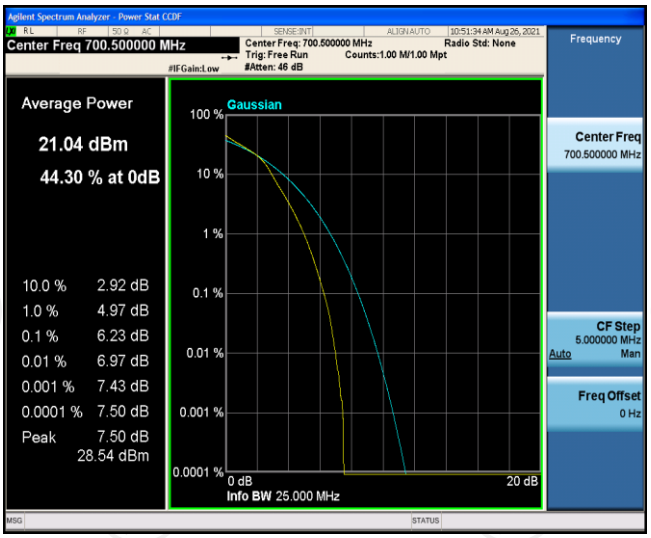

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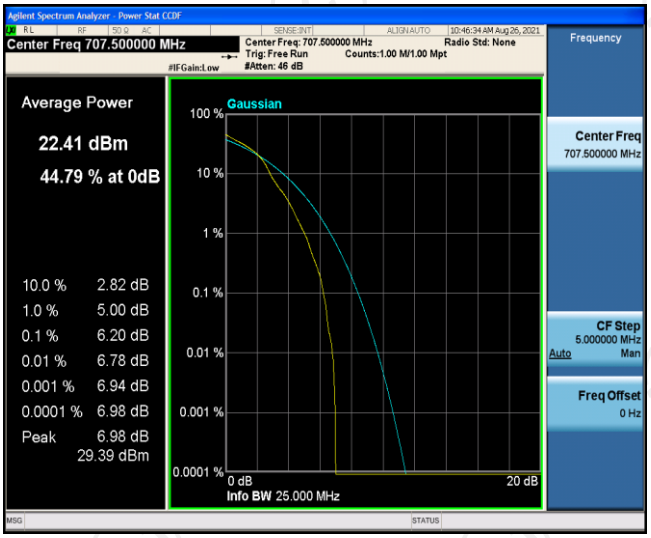

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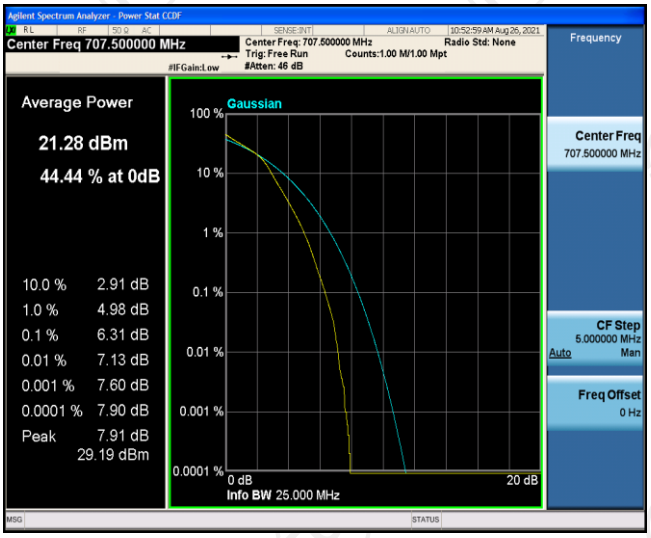

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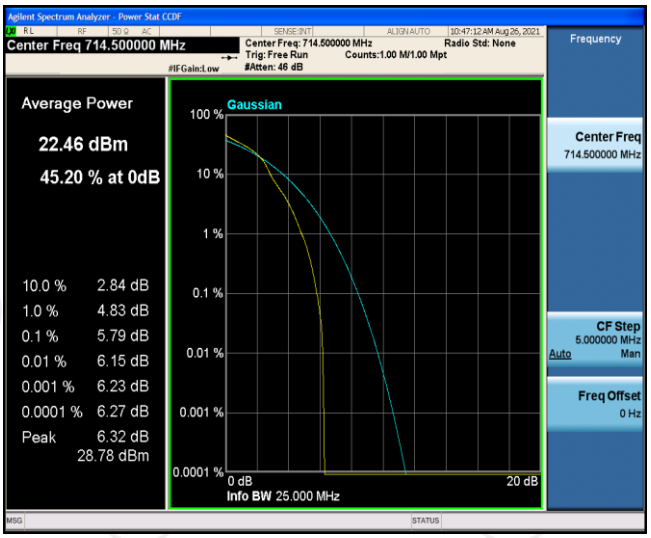

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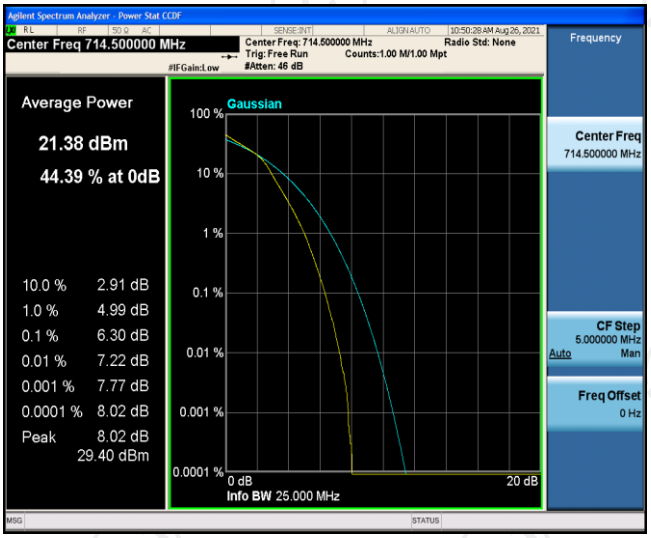

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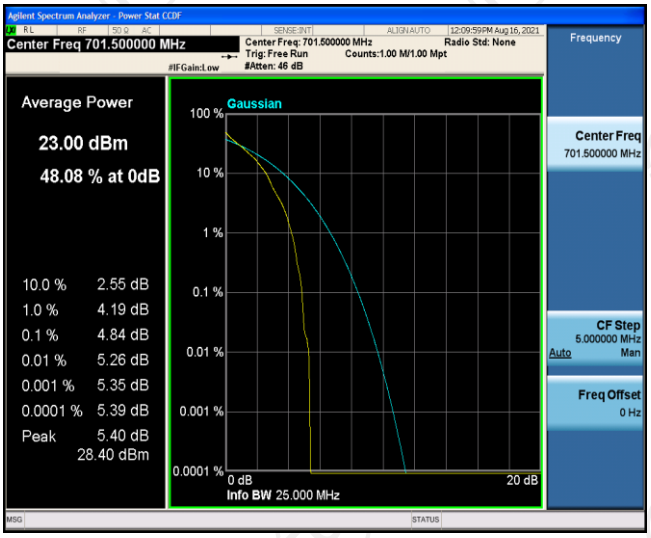

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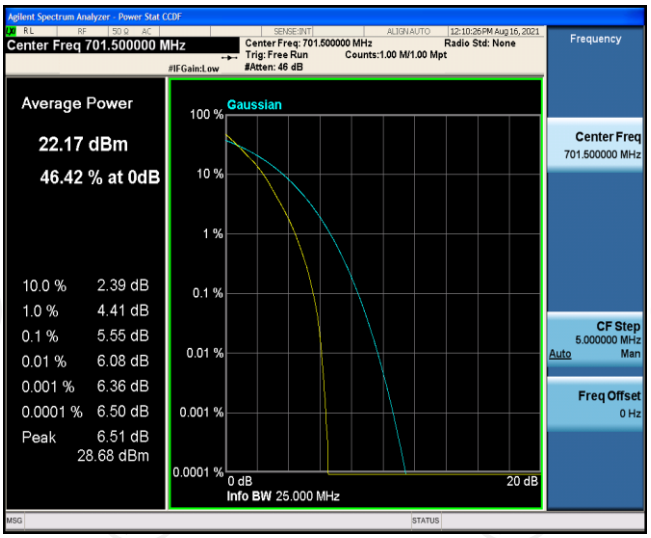

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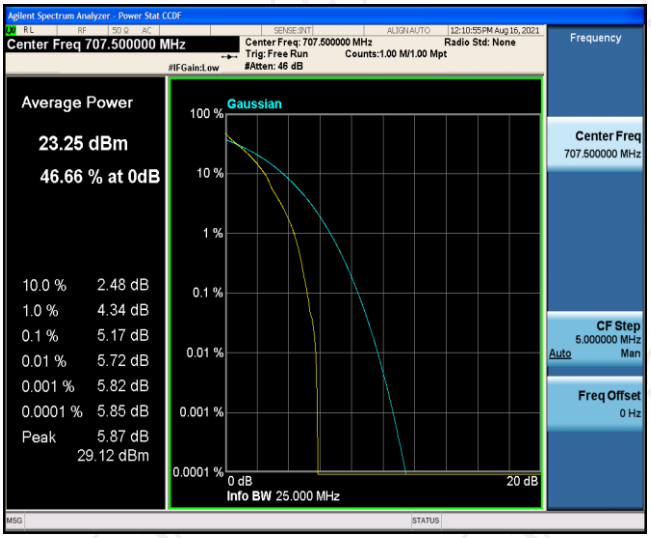

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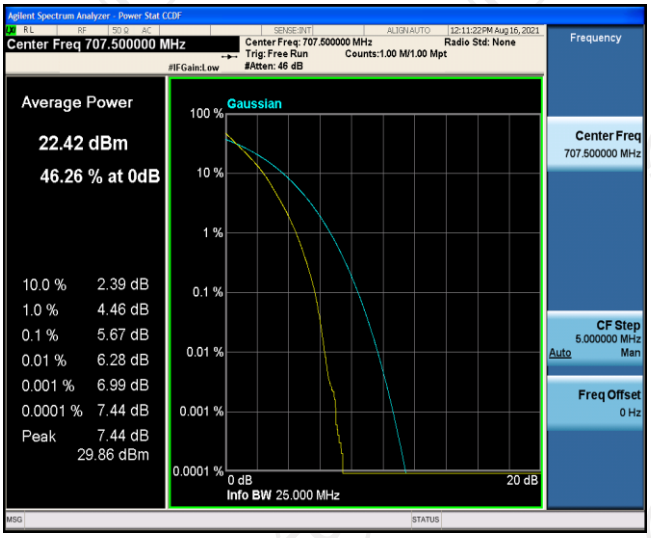

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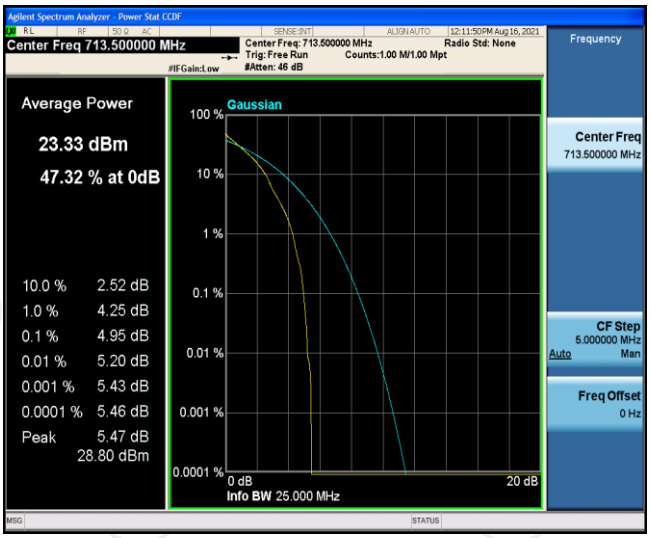

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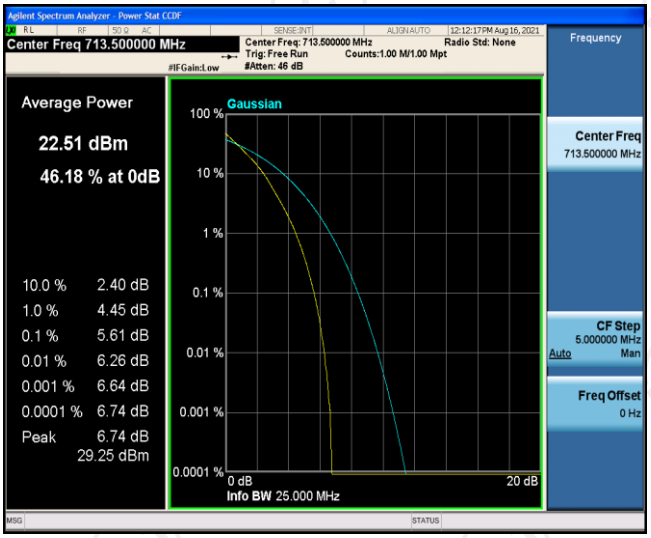

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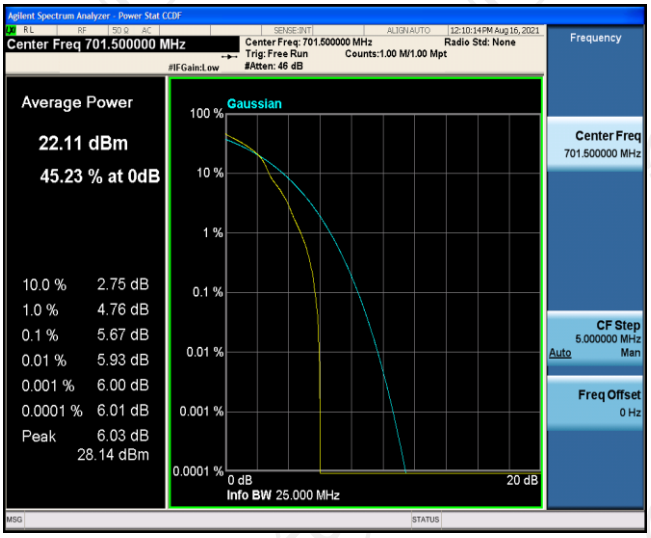

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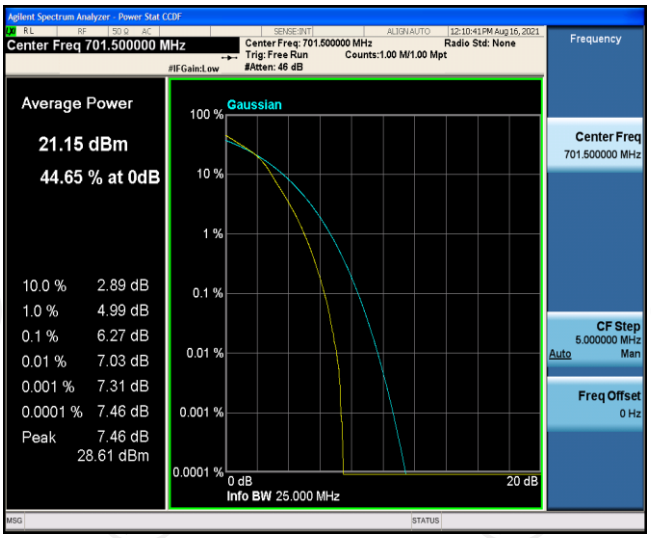

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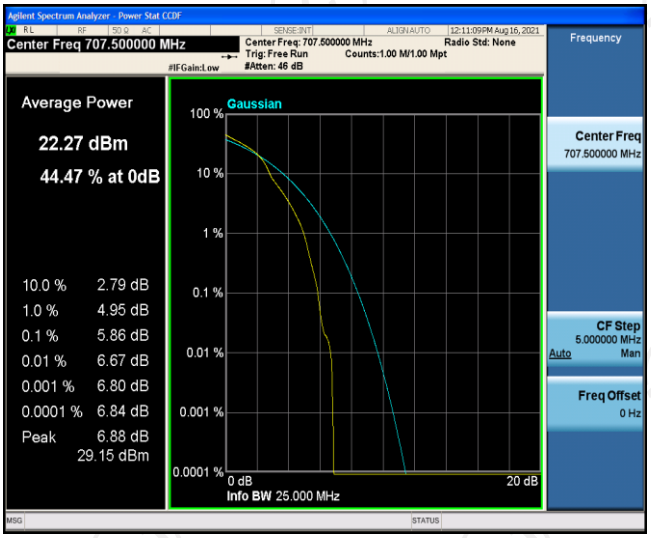
Hotline: 400-6611-140 Tel: 86-755-27673339 Fax: 86-755-27673332 http://www.tct-lab.com



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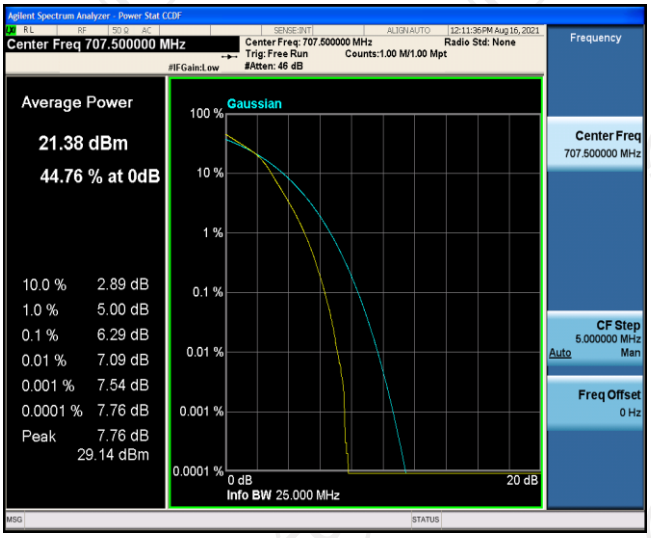

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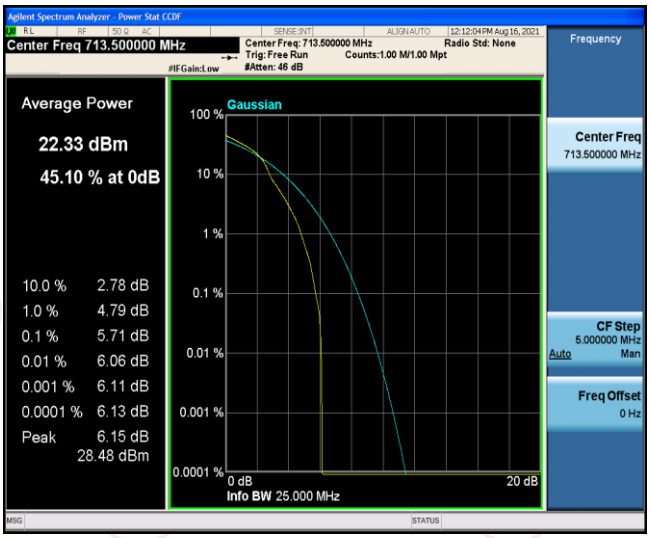

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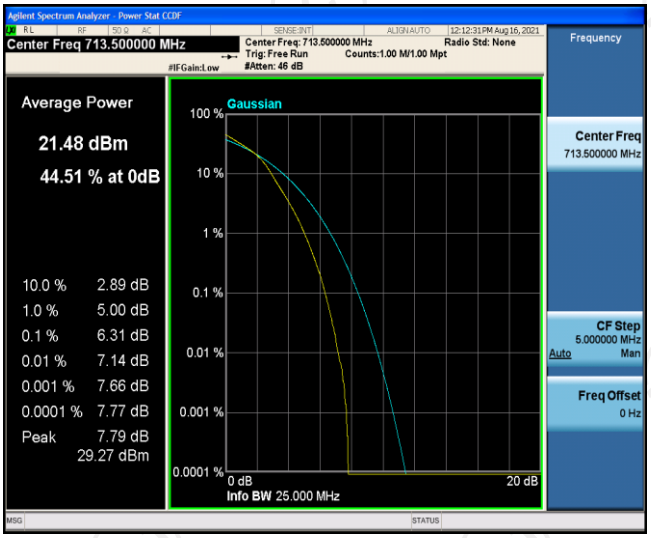
Hotline: 400-6611-140 Tel: 86-755-27673339 Fax: 86-755-27673332 http://www.tct-lab.com



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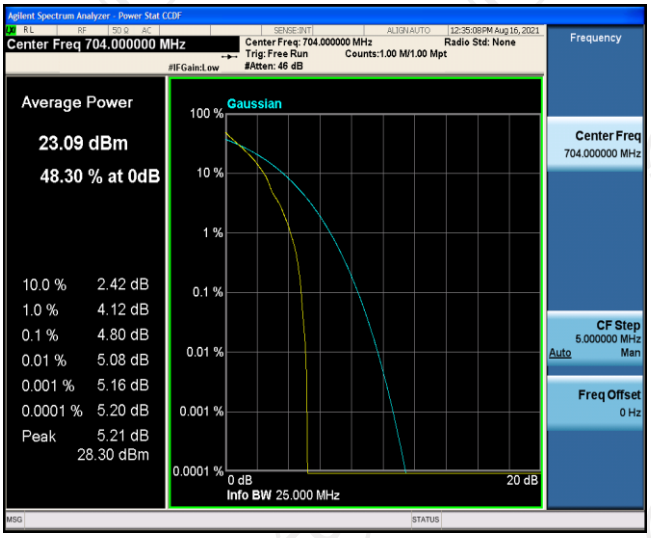

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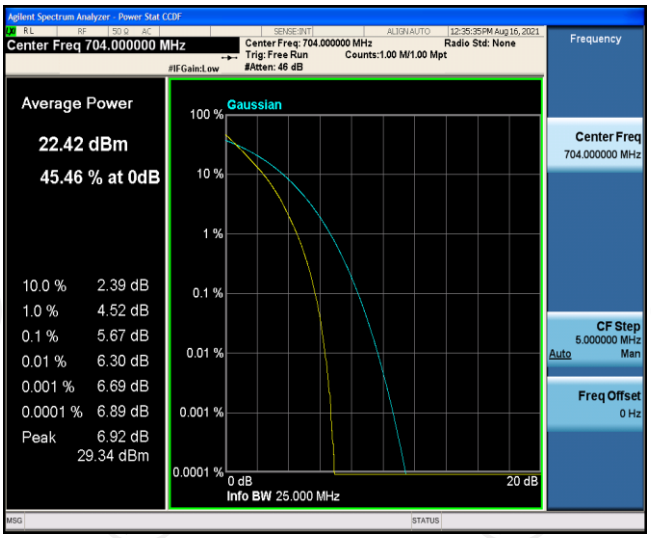

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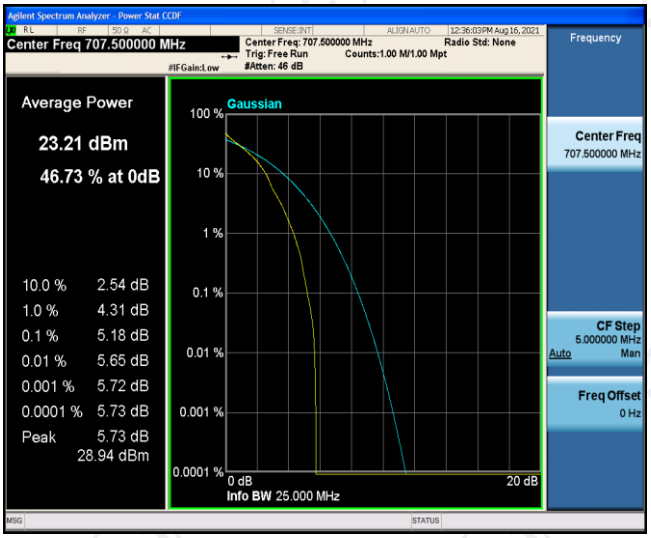

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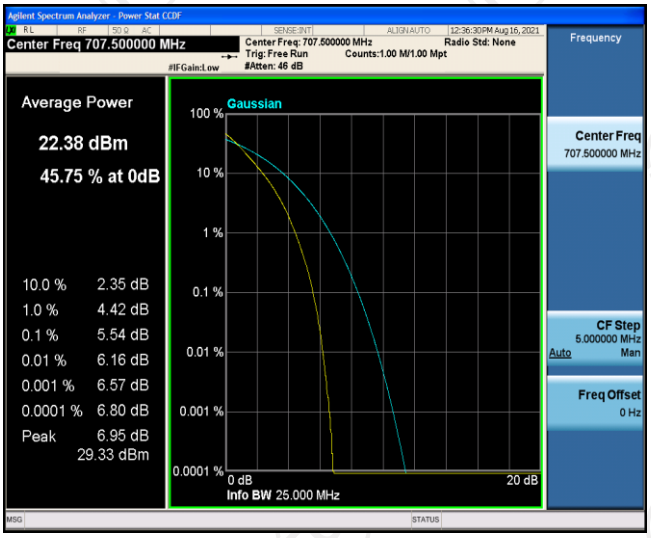

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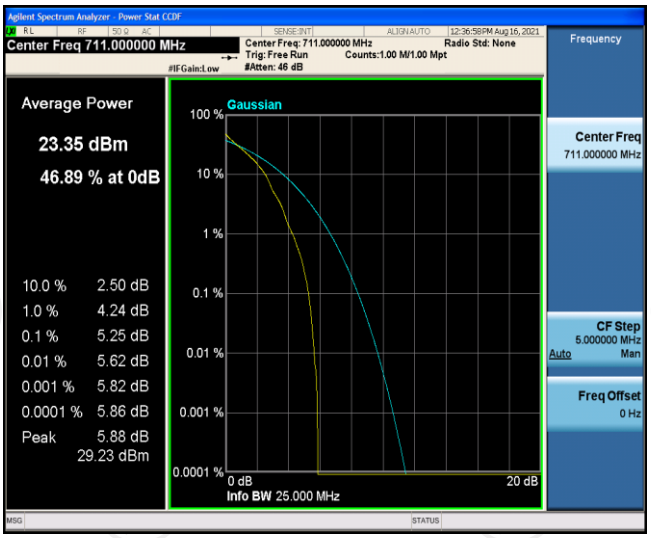

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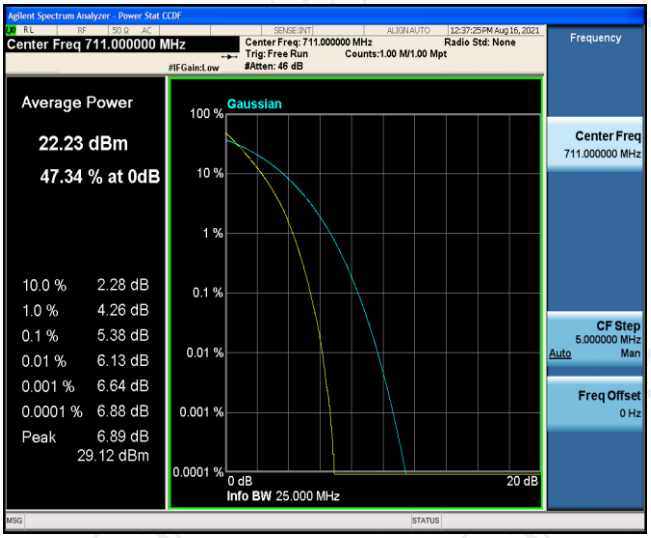

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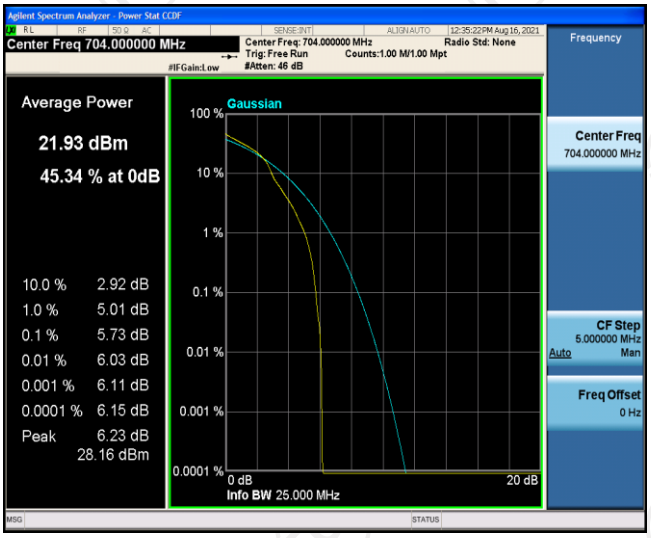

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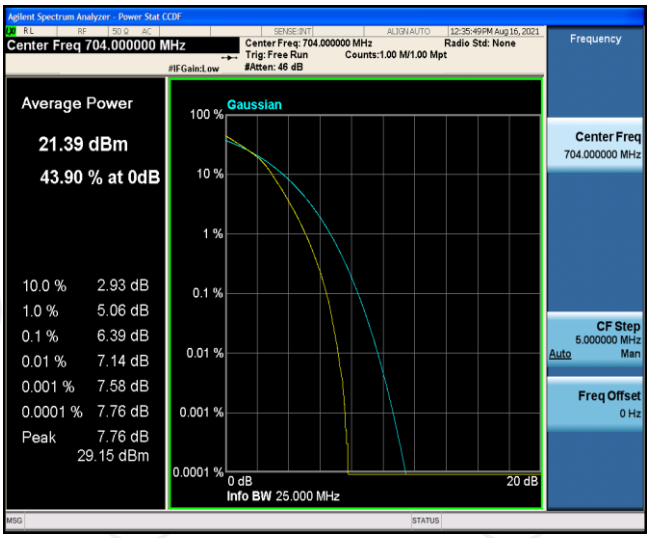

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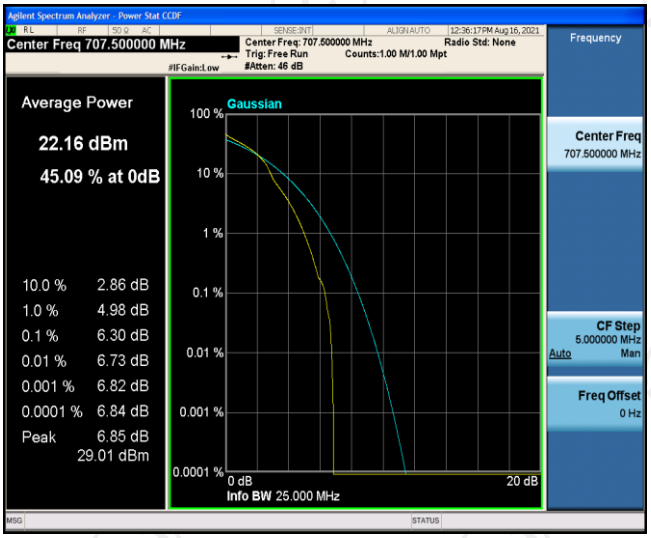

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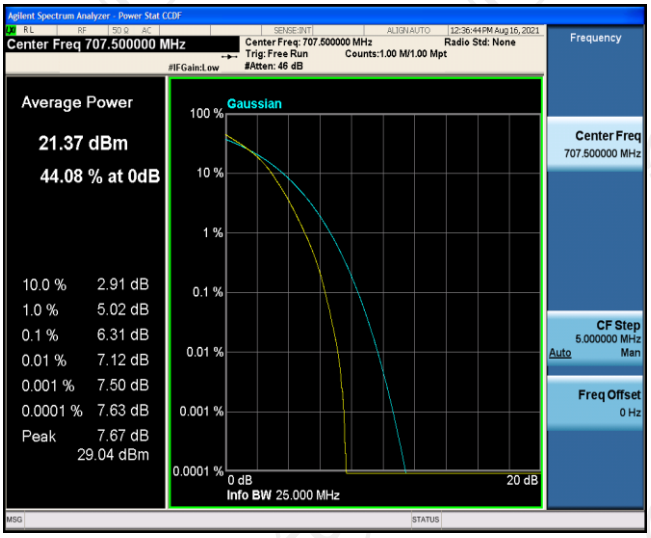

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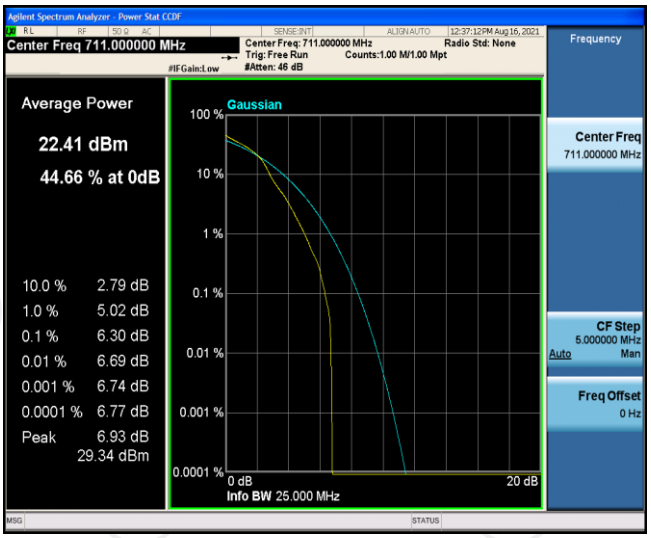
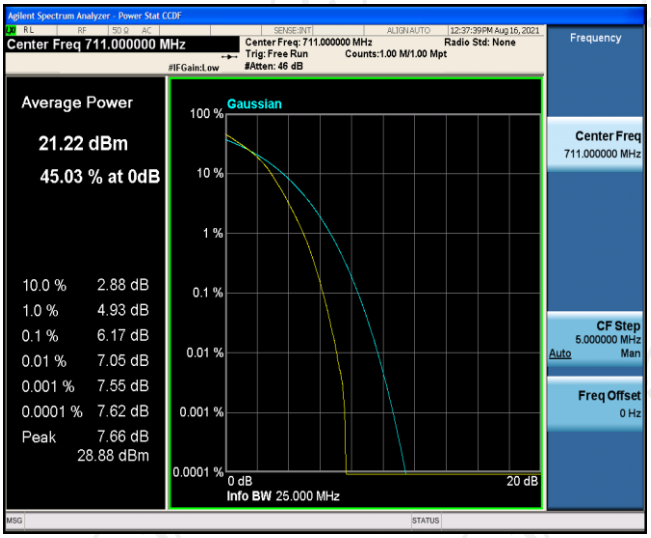


Band12-10MHz-16QAM-23130-50RB#0

Hotline: 400-6611-140 Tel: 86-755-27673339 Fax: 86-755-27673332 http://www.tct-lab.com



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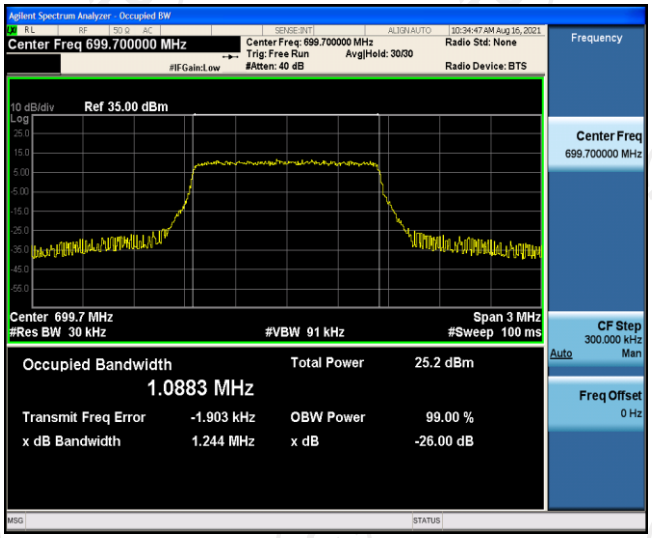
AppendixC:26dB Bandwidth andOccupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band12	1.4MHz	QPSK	23017	6RB#0	1.0883	1.244	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	1.0856	1.233	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	1.0919	1.257	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	1.0854	1.250	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	1.0886	1.261	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	1.0864	1.284	PASS
Band12	3MHz	QPSK	23025	15RB#0	2.6871	2.853	PASS
Band12	3MHz	QPSK	23095	15RB#0	2.6962	2.858	PASS
Band12	3MHz	QPSK	23165	15RB#0	2.6944	2.848	PASS
Band12	3MHz	16QAM	23025	15RB#0	2.6876	2.845	PASS
Band12	3MHz	16QAM	23095	15RB#0	2.6890	2.851	PASS
Band12	3MHz	16QAM	23165	15RB#0	2.6858	2.859	PASS
Band12	5MHz	QPSK	23035	25RB#0	4.4994	4.932	PASS
Band12	5MHz	QPSK	23095	25RB#0	4.5062	4.960	PASS
Band12	5MHz	QPSK	23155	25RB#0	4.5002	4.926	PASS
Band12	5MHz	16QAM	23035	25RB#0	4.5059	4.893	PASS
Band12	5MHz	16QAM	23095	25RB#0	4.5075	4.921	PASS
Band12	5MHz	16QAM	23155	25RB#0	4.5061	4.956	PASS
Band12	10MHz	QPSK	23060	50RB#0	9.0118	9.643	PASS
Band12	10MHz	QPSK	23095	50RB#0	8.9761	9.528	PASS
Band12	10MHz	QPSK	23130	50RB#0	8.9531	9.529	PASS
Band12	10MHz	16QAM	23060	50RB#0	9.0032	9.601	PASS
Band12	10MHz	16QAM	23095	50RB#0	8.9780	9.536	PASS
Band12	10MHz	16QAM	23130	50RB#0	8.9504	9.524	PASS

Test Graphs

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

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