



Appendix D Test Data for E-UTRA Band 5

Product Name: OVMS

Test Model: OVMS-33-7600G

Environmental Conditions

Temperature:	23.7° C
Relative Humidity:	52.3%
ATM Pressure:	100.0 kPa
Test Engineer:	Ling Zhu
Supervised by:	Li Huan



D.1 Effective (Isotropic) Radiated Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band5	1.4MHz	QPSK	20407	1RB#0	22.97	PASS
Band5	1.4MHz	QPSK	20407	1RB#2	22.77	PASS
Band5	1.4MHz	QPSK	20407	1RB#5	22.55	PASS
Band5	1.4MHz	QPSK	20407	3RB#0	22.95	PASS
Band5	1.4MHz	QPSK	20407	3RB#1	22.79	PASS
Band5	1.4MHz	QPSK	20407	3RB#3	22.31	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	21.94	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	22.88	PASS
Band5	1.4MHz	QPSK	20525	1RB#2	22.98	PASS
Band5	1.4MHz	QPSK	20525	1RB#5	22.69	PASS
Band5	1.4MHz	QPSK	20525	3RB#0	23.09	PASS
Band5	1.4MHz	QPSK	20525	3RB#1	22.90	PASS
Band5	1.4MHz	QPSK	20525	3RB#3	23.02	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	21.86	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	22.59	PASS
Band5	1.4MHz	QPSK	20643	1RB#2	22.73	PASS
Band5	1.4MHz	QPSK	20643	1RB#5	22.73	PASS
Band5	1.4MHz	QPSK	20643	3RB#0	22.71	PASS
Band5	1.4MHz	QPSK	20643	3RB#1	22.67	PASS
Band5	1.4MHz	QPSK	20643	3RB#3	22.71	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	21.80	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	21.90	PASS
Band5	1.4MHz	16QAM	20407	1RB#2	21.86	PASS
Band5	1.4MHz	16QAM	20407	1RB#5	21.34	PASS
Band5	1.4MHz	16QAM	20407	3RB#0	21.66	PASS
Band5	1.4MHz	16QAM	20407	3RB#1	21.52	PASS
Band5	1.4MHz	16QAM	20407	3RB#3	21.09	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	21.06	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	22.06	PASS
Band5	1.4MHz	16QAM	20525	1RB#2	21.90	PASS
Band5	1.4MHz	16QAM	20525	1RB#5	22.01	PASS
Band5	1.4MHz	16QAM	20525	3RB#0	22.00	PASS



Band5	1.4MHz	16QAM	20525	3RB#1	21.86	PASS
Band5	1.4MHz	16QAM	20525	3RB#3	21.80	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	20.88	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	21.70	PASS
Band5	1.4MHz	16QAM	20643	1RB#2	22.02	PASS
Band5	1.4MHz	16QAM	20643	1RB#5	21.96	PASS
Band5	1.4MHz	16QAM	20643	3RB#0	21.52	PASS
Band5	1.4MHz	16QAM	20643	3RB#1	21.68	PASS
Band5	1.4MHz	16QAM	20643	3RB#3	21.58	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	20.94	PASS
Band5	3MHz	QPSK	20415	1RB#0	22.80	PASS
Band5	3MHz	QPSK	20415	1RB#8	22.44	PASS
Band5	3MHz	QPSK	20415	1RB#14	22.54	PASS
Band5	3MHz	QPSK	20415	8RB#0	21.36	PASS
Band5	3MHz	QPSK	20415	8RB#4	21.42	PASS
Band5	3MHz	QPSK	20415	8RB#7	21.62	PASS
Band5	3MHz	QPSK	20415	15RB#0	21.56	PASS
Band5	3MHz	QPSK	20525	1RB#0	22.61	PASS
Band5	3MHz	QPSK	20525	1RB#8	22.94	PASS
Band5	3MHz	QPSK	20525	1RB#14	22.82	PASS
Band5	3MHz	QPSK	20525	8RB#0	21.74	PASS
Band5	3MHz	QPSK	20525	8RB#4	21.70	PASS
Band5	3MHz	QPSK	20525	8RB#7	21.70	PASS
Band5	3MHz	QPSK	20525	15RB#0	21.76	PASS
Band5	3MHz	QPSK	20635	1RB#0	22.34	PASS
Band5	3MHz	QPSK	20635	1RB#8	22.43	PASS
Band5	3MHz	QPSK	20635	1RB#14	22.47	PASS
Band5	3MHz	QPSK	20635	8RB#0	21.41	PASS
Band5	3MHz	QPSK	20635	8RB#4	21.42	PASS
Band5	3MHz	QPSK	20635	8RB#7	21.41	PASS
Band5	3MHz	QPSK	20635	15RB#0	21.46	PASS
Band5	3MHz	16QAM	20415	1RB#0	21.54	PASS
Band5	3MHz	16QAM	20415	1RB#8	21.34	PASS
Band5	3MHz	16QAM	20415	1RB#14	21.27	PASS
Band5	3MHz	16QAM	20415	8RB#0	20.61	PASS
Band5	3MHz	16QAM	20415	8RB#4	20.48	PASS
Band5	3MHz	16QAM	20415	8RB#7	20.66	PASS



Band5	3MHz	16QAM	20415	15RB#0	20.53	PASS
Band5	3MHz	16QAM	20525	1RB#0	21.77	PASS
Band5	3MHz	16QAM	20525	1RB#8	21.74	PASS
Band5	3MHz	16QAM	20525	1RB#14	21.44	PASS
Band5	3MHz	16QAM	20525	8RB#0	20.57	PASS
Band5	3MHz	16QAM	20525	8RB#4	20.77	PASS
Band5	3MHz	16QAM	20525	8RB#7	20.61	PASS
Band5	3MHz	16QAM	20525	15RB#0	20.72	PASS
Band5	3MHz	16QAM	20635	1RB#0	21.40	PASS
Band5	3MHz	16QAM	20635	1RB#8	21.58	PASS
Band5	3MHz	16QAM	20635	1RB#14	21.21	PASS
Band5	3MHz	16QAM	20635	8RB#0	20.37	PASS
Band5	3MHz	16QAM	20635	8RB#4	20.36	PASS
Band5	3MHz	16QAM	20635	8RB#7	20.55	PASS
Band5	3MHz	16QAM	20635	15RB#0	20.34	PASS
Band5	5MHz	QPSK	20425	1RB#0	22.36	PASS
Band5	5MHz	QPSK	20425	1RB#12	22.63	PASS
Band5	5MHz	QPSK	20425	1RB#24	22.52	PASS
Band5	5MHz	QPSK	20425	12RB#0	21.63	PASS
Band5	5MHz	QPSK	20425	12RB#6	21.62	PASS
Band5	5MHz	QPSK	20425	12RB#13	21.57	PASS
Band5	5MHz	QPSK	20425	25RB#0	21.71	PASS
Band5	5MHz	QPSK	20525	1RB#0	22.62	PASS
Band5	5MHz	QPSK	20525	1RB#12	22.83	PASS
Band5	5MHz	QPSK	20525	1RB#24	22.53	PASS
Band5	5MHz	QPSK	20525	12RB#0	21.81	PASS
Band5	5MHz	QPSK	20525	12RB#6	21.78	PASS
Band5	5MHz	QPSK	20525	12RB#13	21.72	PASS
Band5	5MHz	QPSK	20525	25RB#0	21.86	PASS
Band5	5MHz	QPSK	20625	1RB#0	22.55	PASS
Band5	5MHz	QPSK	20625	1RB#12	22.68	PASS
Band5	5MHz	QPSK	20625	1RB#24	22.70	PASS
Band5	5MHz	QPSK	20625	12RB#0	21.71	PASS
Band5	5MHz	QPSK	20625	12RB#6	21.62	PASS
Band5	5MHz	QPSK	20625	12RB#13	21.64	PASS
Band5	5MHz	QPSK	20625	25RB#0	21.68	PASS
Band5	5MHz	16QAM	20425	1RB#0	21.30	PASS



Band5	5MHz	16QAM	20425	1RB#12	21.56	PASS
Band5	5MHz	16QAM	20425	1RB#24	21.36	PASS
Band5	5MHz	16QAM	20425	12RB#0	20.59	PASS
Band5	5MHz	16QAM	20425	12RB#6	20.70	PASS
Band5	5MHz	16QAM	20425	12RB#13	20.66	PASS
Band5	5MHz	16QAM	20425	25RB#0	20.58	PASS
Band5	5MHz	16QAM	20525	1RB#0	21.63	PASS
Band5	5MHz	16QAM	20525	1RB#12	21.74	PASS
Band5	5MHz	16QAM	20525	1RB#24	21.49	PASS
Band5	5MHz	16QAM	20525	12RB#0	20.73	PASS
Band5	5MHz	16QAM	20525	12RB#6	20.72	PASS
Band5	5MHz	16QAM	20525	12RB#13	20.88	PASS
Band5	5MHz	16QAM	20525	25RB#0	20.87	PASS
Band5	5MHz	16QAM	20625	1RB#0	21.55	PASS
Band5	5MHz	16QAM	20625	1RB#12	21.66	PASS
Band5	5MHz	16QAM	20625	1RB#24	21.67	PASS
Band5	5MHz	16QAM	20625	12RB#0	20.70	PASS
Band5	5MHz	16QAM	20625	12RB#6	20.69	PASS
Band5	5MHz	16QAM	20625	12RB#13	20.66	PASS
Band5	5MHz	16QAM	20625	25RB#0	20.58	PASS
Band5	10MHz	QPSK	20450	1RB#0	22.57	PASS
Band5	10MHz	QPSK	20450	1RB#24	22.90	PASS
Band5	10MHz	QPSK	20450	1RB#49	22.60	PASS
Band5	10MHz	QPSK	20450	25RB#0	22.05	PASS
Band5	10MHz	QPSK	20450	25RB#12	21.98	PASS
Band5	10MHz	QPSK	20450	25RB#25	22.05	PASS
Band5	10MHz	QPSK	20450	50RB#0	21.95	PASS
Band5	10MHz	QPSK	20525	1RB#0	22.72	PASS
Band5	10MHz	QPSK	20525	1RB#24	22.85	PASS
Band5	10MHz	QPSK	20525	1RB#49	22.51	PASS
Band5	10MHz	QPSK	20525	25RB#0	22.03	PASS
Band5	10MHz	QPSK	20525	25RB#12	22.10	PASS
Band5	10MHz	QPSK	20525	25RB#25	21.94	PASS
Band5	10MHz	QPSK	20525	50RB#0	21.95	PASS
Band5	10MHz	QPSK	20600	1RB#0	22.62	PASS
Band5	10MHz	QPSK	20600	1RB#24	23.03	PASS
Band5	10MHz	QPSK	20600	1RB#49	22.37	PASS



Band5	10MHz	QPSK	20600	25RB#0	21.93	PASS
Band5	10MHz	QPSK	20600	25RB#12	21.92	PASS
Band5	10MHz	QPSK	20600	25RB#25	21.86	PASS
Band5	10MHz	QPSK	20600	50RB#0	21.77	PASS
Band5	10MHz	16QAM	20450	1RB#0	21.74	PASS
Band5	10MHz	16QAM	20450	1RB#24	22.32	PASS
Band5	10MHz	16QAM	20450	1RB#49	21.92	PASS
Band5	10MHz	16QAM	20450	25RB#0	21.01	PASS
Band5	10MHz	16QAM	20450	25RB#12	20.96	PASS
Band5	10MHz	16QAM	20450	25RB#25	20.91	PASS
Band5	10MHz	16QAM	20450	50RB#0	20.93	PASS
Band5	10MHz	16QAM	20525	1RB#0	21.95	PASS
Band5	10MHz	16QAM	20525	1RB#24	22.23	PASS
Band5	10MHz	16QAM	20525	1RB#49	21.65	PASS
Band5	10MHz	16QAM	20525	25RB#0	21.03	PASS
Band5	10MHz	16QAM	20525	25RB#12	21.00	PASS
Band5	10MHz	16QAM	20525	25RB#25	20.93	PASS
Band5	10MHz	16QAM	20525	50RB#0	21.06	PASS
Band5	10MHz	16QAM	20600	1RB#0	21.70	PASS
Band5	10MHz	16QAM	20600	1RB#24	22.09	PASS
Band5	10MHz	16QAM	20600	1RB#49	21.29	PASS
Band5	10MHz	16QAM	20600	25RB#0	20.95	PASS
Band5	10MHz	16QAM	20600	25RB#12	20.98	PASS
Band5	10MHz	16QAM	20600	25RB#25	20.88	PASS
Band5	10MHz	16QAM	20600	50RB#0	20.93	PASS



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

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band5	1.4MHz	QPSK	20407	1RB#0	4.47	13	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	5.07	13	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	4.27	13	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	4.95	13	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	3.81	13	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	4.64	13	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	5.35	13	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	5.98	13	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	5.36	13	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	5.87	13	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	5.02	13	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	5.60	13	PASS
Band5	3MHz	QPSK	20415	1RB#0	4.75	13	PASS
Band5	3MHz	QPSK	20415	15RB#0	5.36	13	PASS
Band5	3MHz	QPSK	20525	1RB#0	4.45	13	PASS
Band5	3MHz	QPSK	20525	15RB#0	5.19	13	PASS
Band5	3MHz	QPSK	20635	1RB#0	4.07	13	PASS
Band5	3MHz	QPSK	20635	15RB#0	4.85	13	PASS
Band5	3MHz	16QAM	20415	1RB#0	5.52	13	PASS
Band5	3MHz	16QAM	20415	15RB#0	6.18	13	PASS
Band5	3MHz	16QAM	20525	1RB#0	5.32	13	PASS
Band5	3MHz	16QAM	20525	15RB#0	6.03	13	PASS
Band5	3MHz	16QAM	20635	1RB#0	4.82	13	PASS
Band5	3MHz	16QAM	20635	15RB#0	5.62	13	PASS
Band5	5MHz	QPSK	20425	1RB#0	4.48	13	PASS
Band5	5MHz	QPSK	20425	25RB#0	5.09	13	PASS
Band5	5MHz	QPSK	20525	1RB#0	4.29	13	PASS
Band5	5MHz	QPSK	20525	25RB#0	5.01	13	PASS
Band5	5MHz	QPSK	20625	1RB#0	4.04	13	PASS
Band5	5MHz	QPSK	20625	25RB#0	4.70	13	PASS
Band5	5MHz	16QAM	20425	1RB#0	5.36	13	PASS
Band5	5MHz	16QAM	20425	25RB#0	5.97	13	PASS
Band5	5MHz	16QAM	20525	1RB#0	5.25	13	PASS
Band5	5MHz	16QAM	20525	25RB#0	5.83	13	PASS
Band5	5MHz	16QAM	20625	1RB#0	4.87	13	PASS
Band5	5MHz	16QAM	20625	25RB#0	5.51	13	PASS

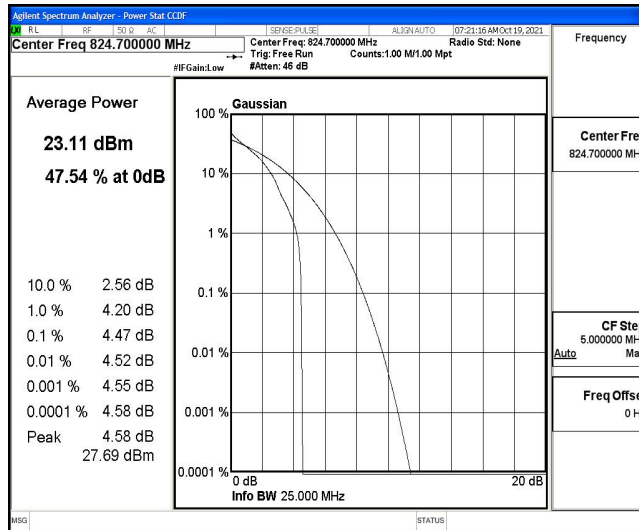


Band5	10MHz	QPSK	20450	1RB#0	4.51	13	PASS
Band5	10MHz	QPSK	20450	50RB#0	5.04	13	PASS
Band5	10MHz	QPSK	20525	1RB#0	4.22	13	PASS
Band5	10MHz	QPSK	20525	50RB#0	5.17	13	PASS
Band5	10MHz	QPSK	20600	1RB#0	4.33	13	PASS
Band5	10MHz	QPSK	20600	50RB#0	4.88	13	PASS
Band5	10MHz	16QAM	20450	1RB#0	5.71	13	PASS
Band5	10MHz	16QAM	20450	50RB#0	5.89	13	PASS
Band5	10MHz	16QAM	20525	1RB#0	5.06	13	PASS
Band5	10MHz	16QAM	20525	50RB#0	5.96	13	PASS
Band5	10MHz	16QAM	20600	1RB#0	5.23	13	PASS
Band5	10MHz	16QAM	20600	50RB#0	5.77	13	PASS

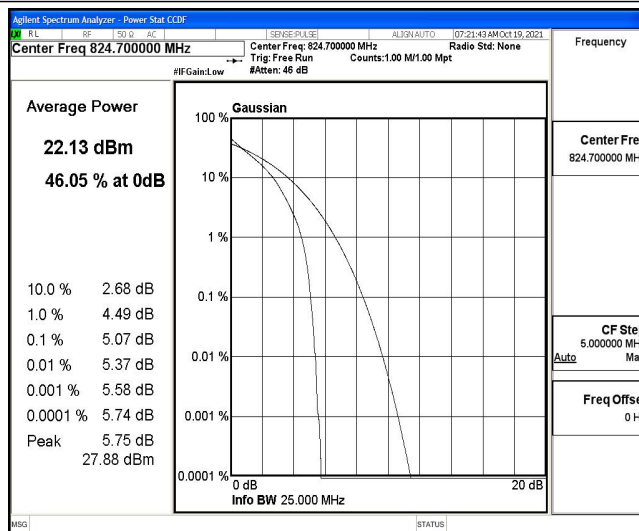


Test Graphs

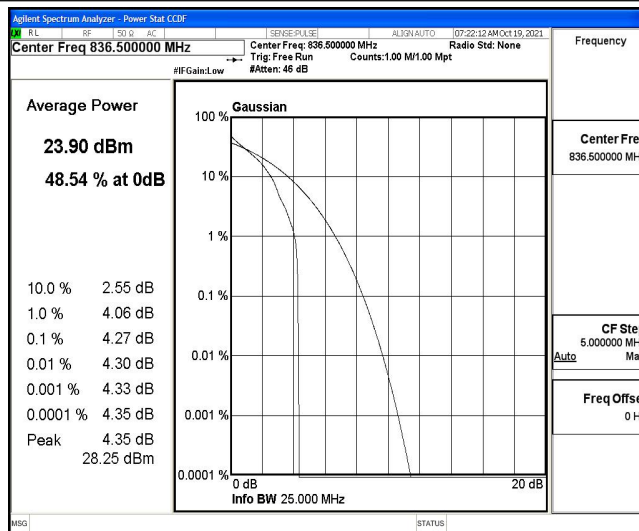
Band5-1.4MHz-QPSK-20407-1RB#0



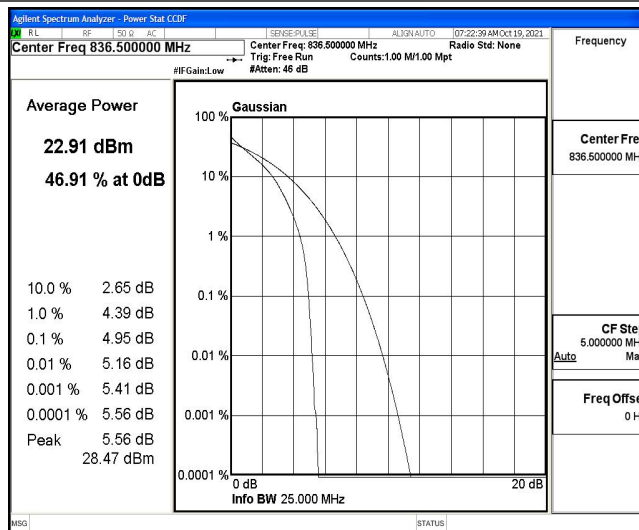
Band5-1.4MHz-QPSK-20407-6RB#0



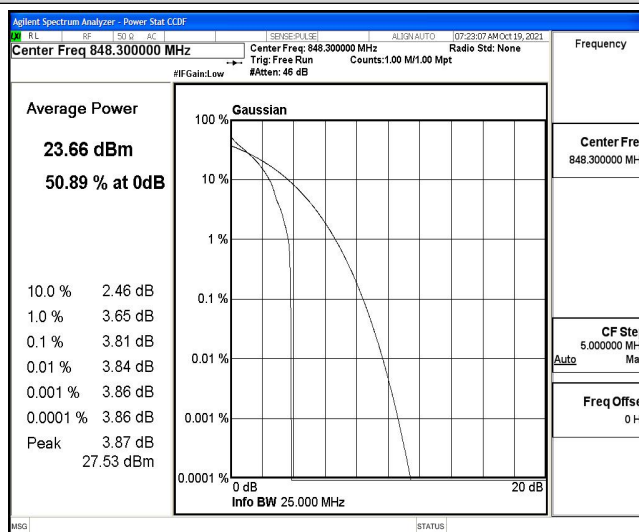
Band5-1.4MHz-QPSK-20525-1RB#0



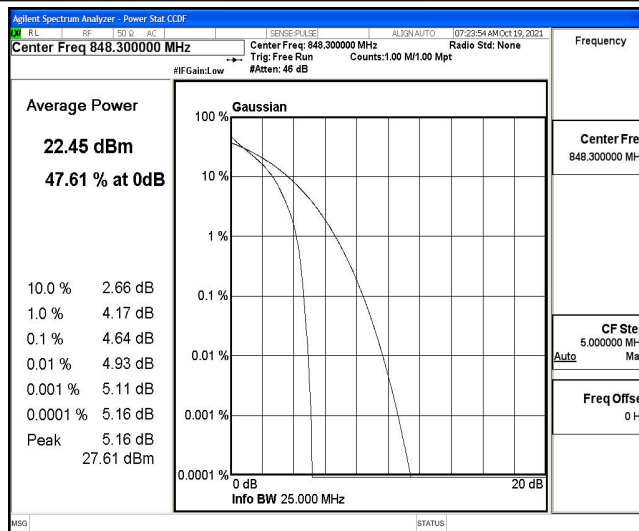
Band5-1.4MHz-QPSK-20525-6RB#0



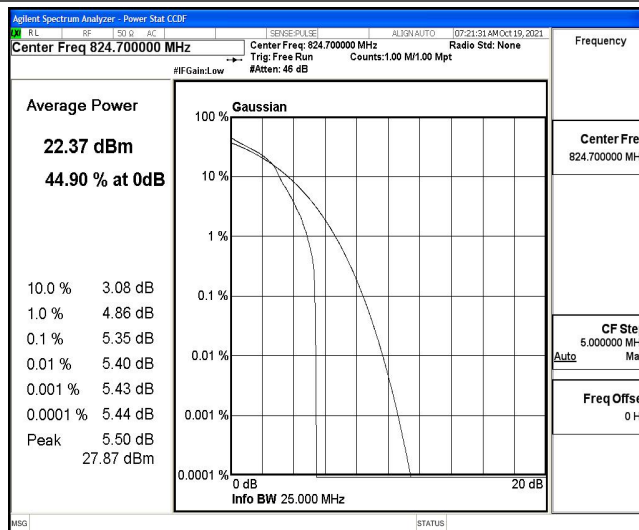
Band5-1.4MHz-QPSK-20643-1RB#0



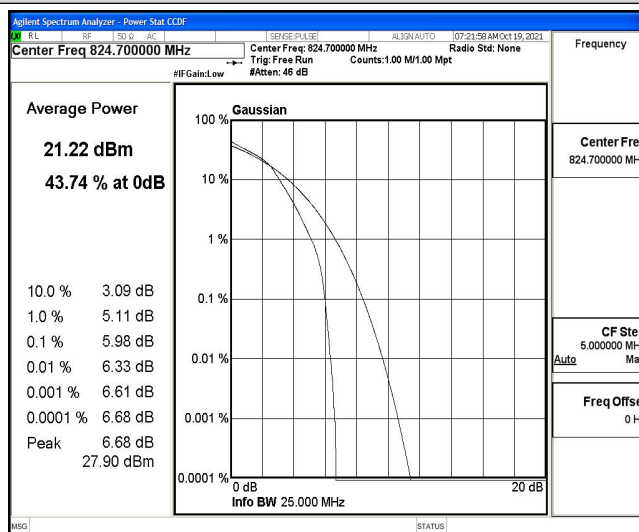
Band5-1.4MHz-QPSK-20643-6RB#0



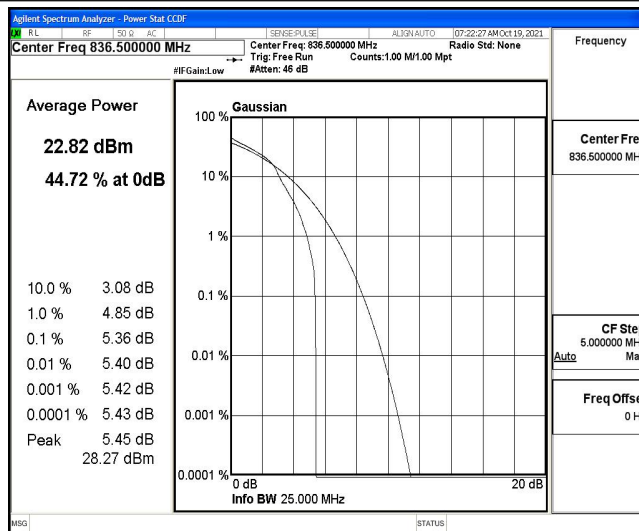
Band5-1.4MHz-16QAM-20407-1RB#0



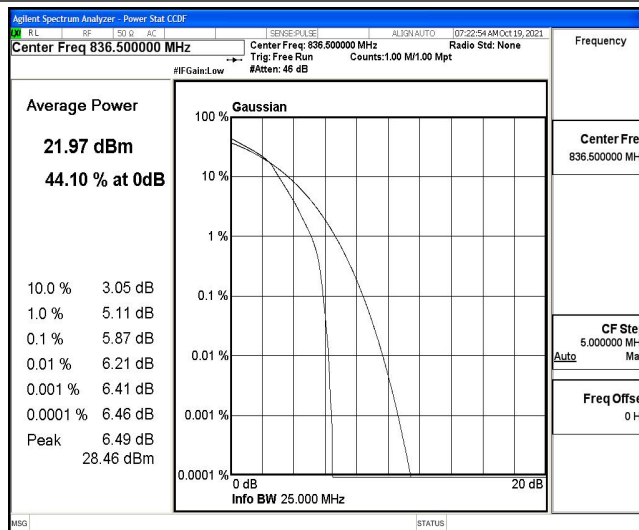
Band5-1.4MHz-16QAM-20407-6RB#0



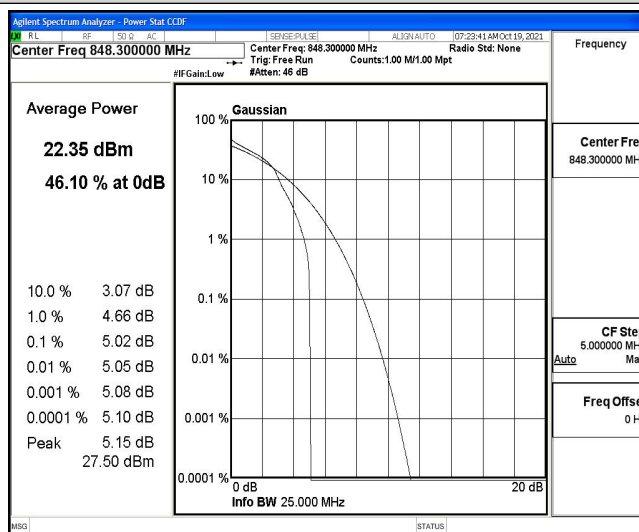
Band5-1.4MHz-16QAM-20525-1RB#0



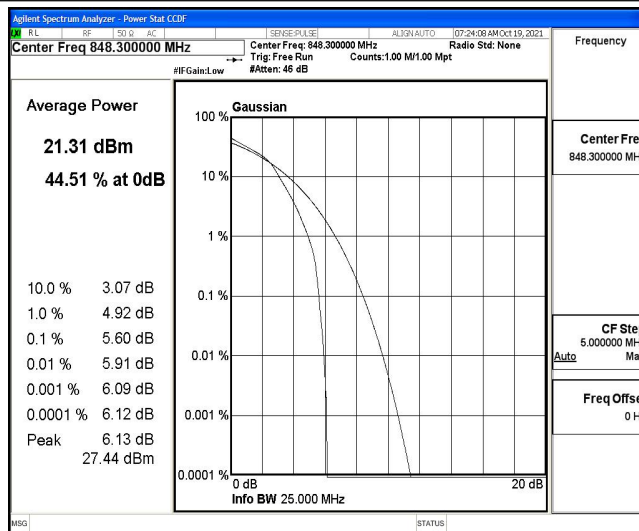
Band5-1.4MHz-16QAM-20525-6RB#0



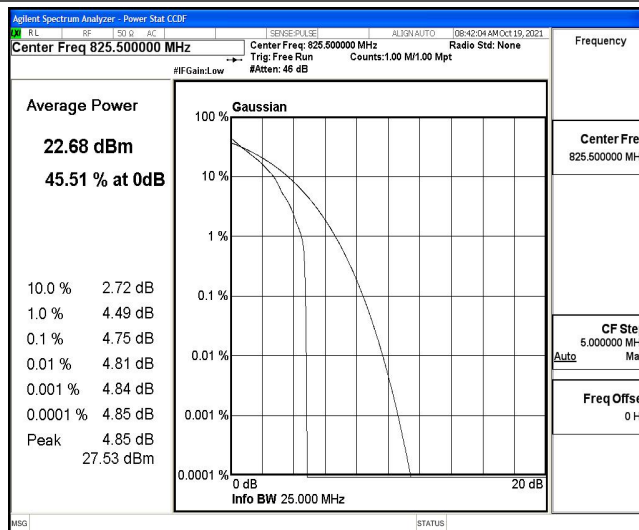
Band5-1.4MHz-16QAM-20643-1RB#0



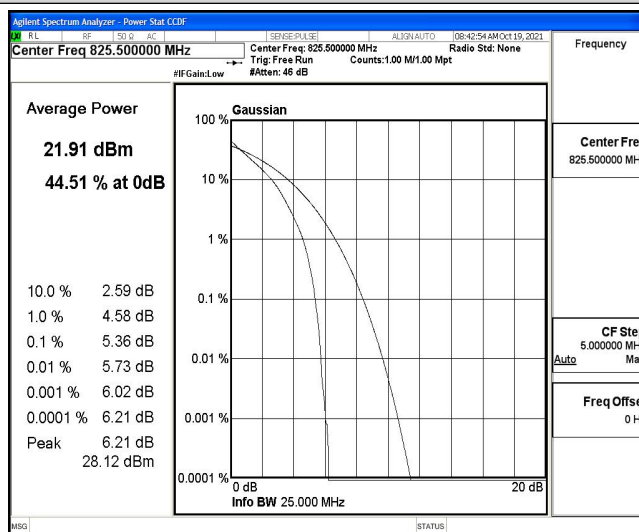
Band5-1.4MHz-16QAM-20643-6RB#0



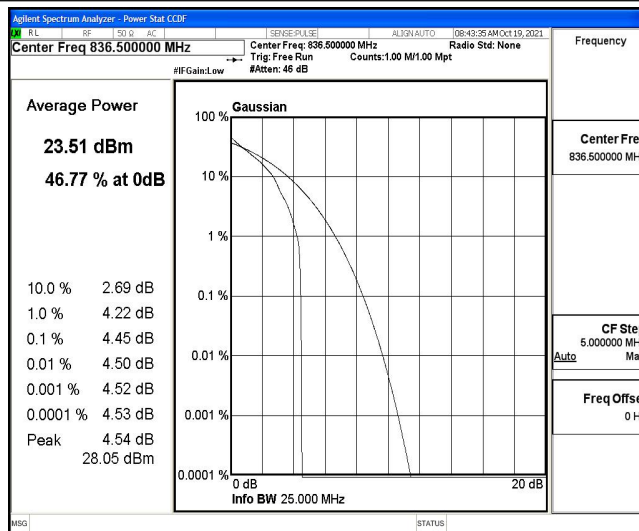
Band5-3MHz-QPSK-20415-1RB#0



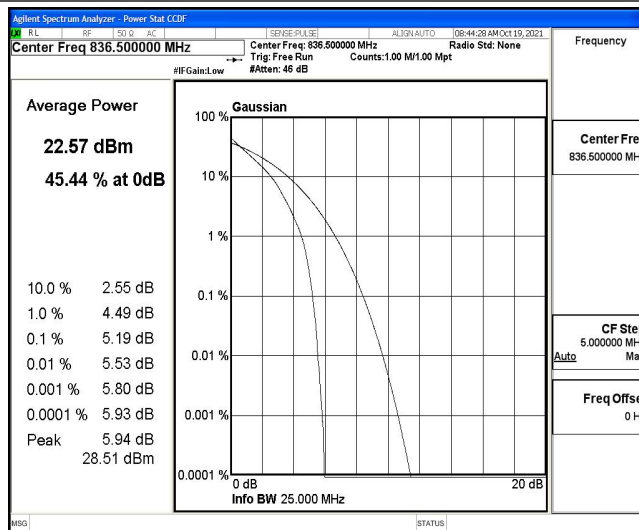
Band5-3MHz-QPSK-20415-15RB#0



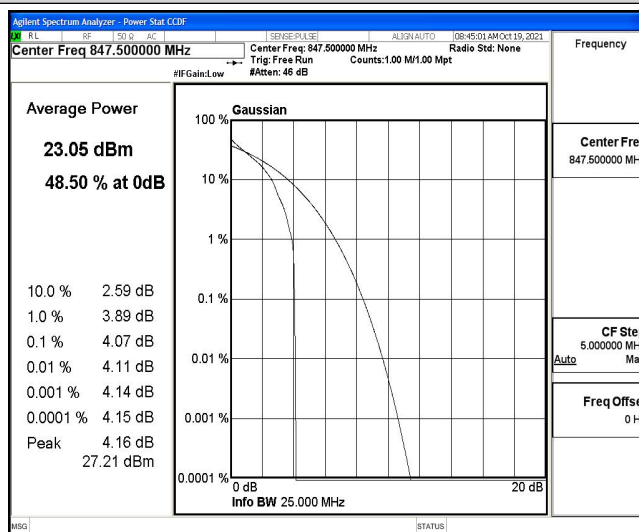
Band5-3MHz-QPSK-20525-1RB#0



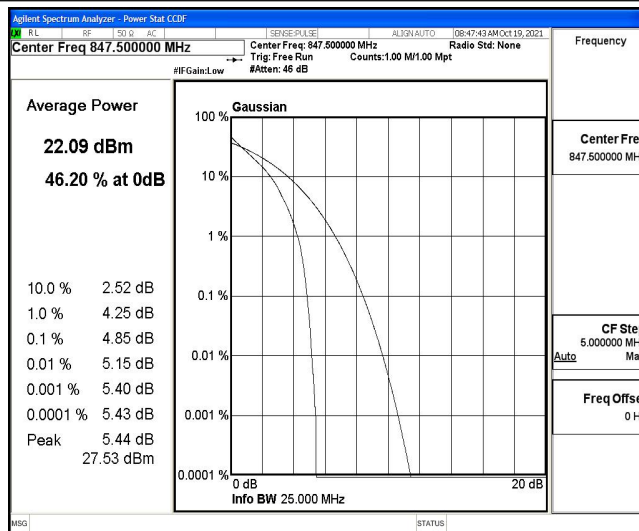
Band5-3MHz-QPSK-20525-15RB#0



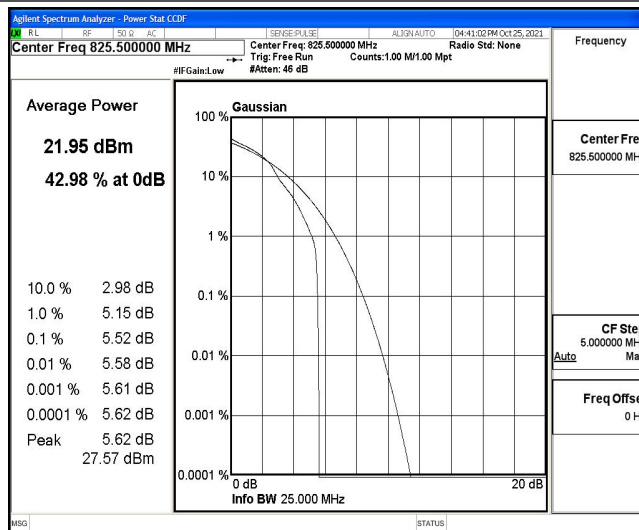
Band5-3MHz-QPSK-20635-1RB#0



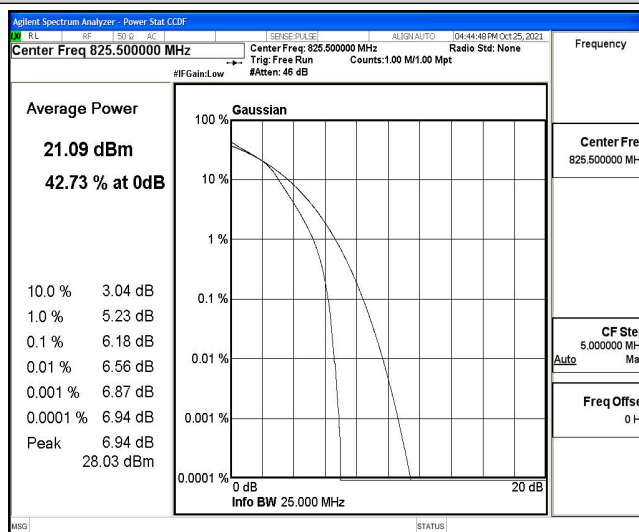
Band5-3MHz-QPSK-20635-15RB#0



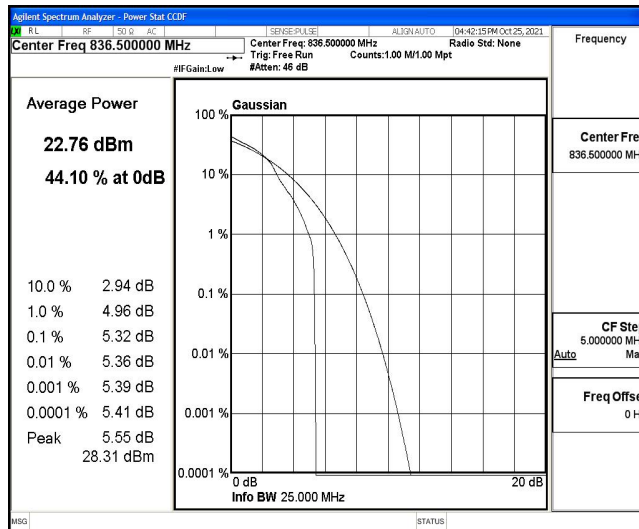
Band5-3MHz-16QAM-20415-1RB#0



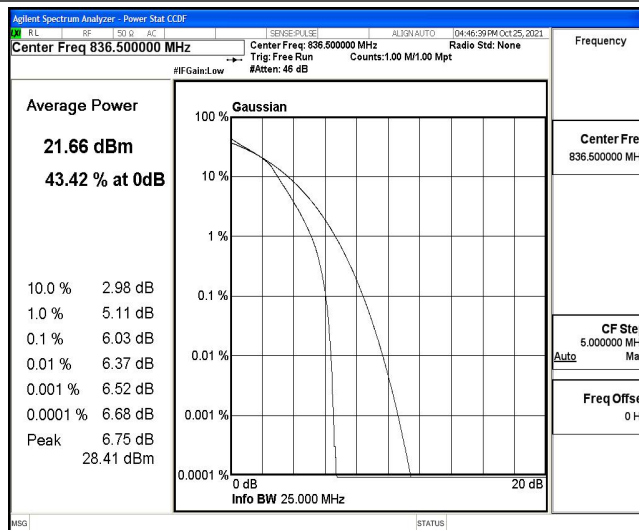
Band5-3MHz-16QAM-20415-15RB#0



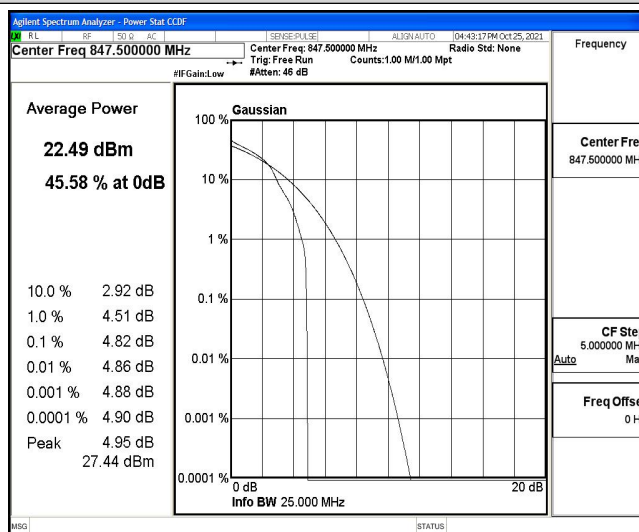
Band5-3MHz-16QAM-20525-1RB#0



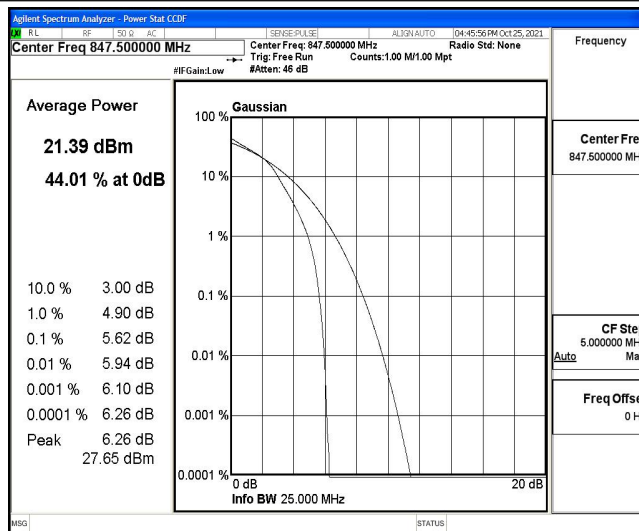
Band5-3MHz-16QAM-20525-15RB#0



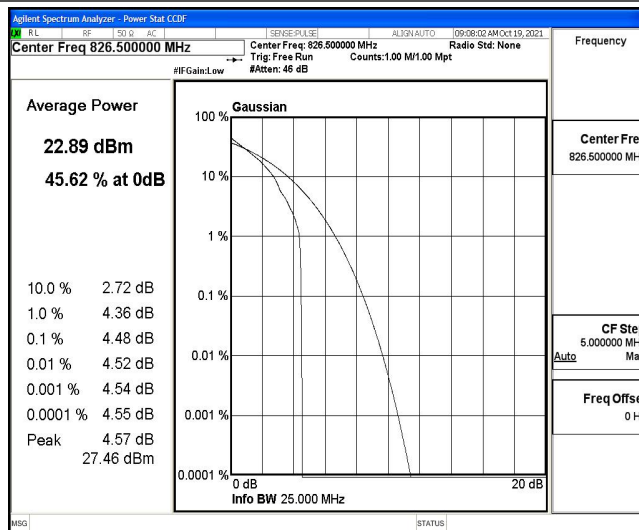
Band5-3MHz-16QAM-20635-1RB#0



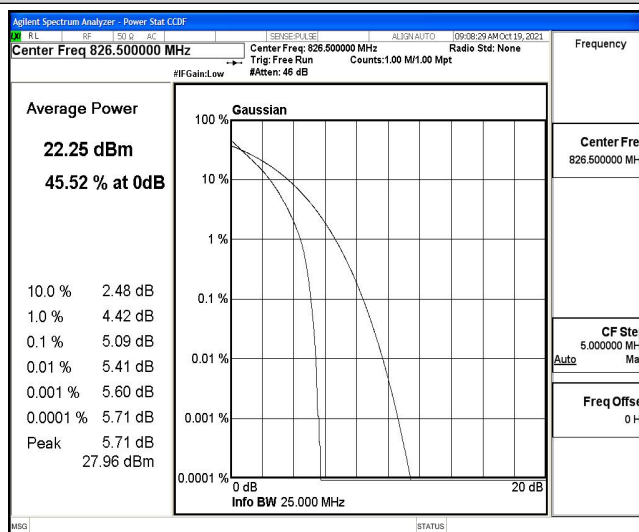
Band5-3MHz-16QAM-20635-15RB#0



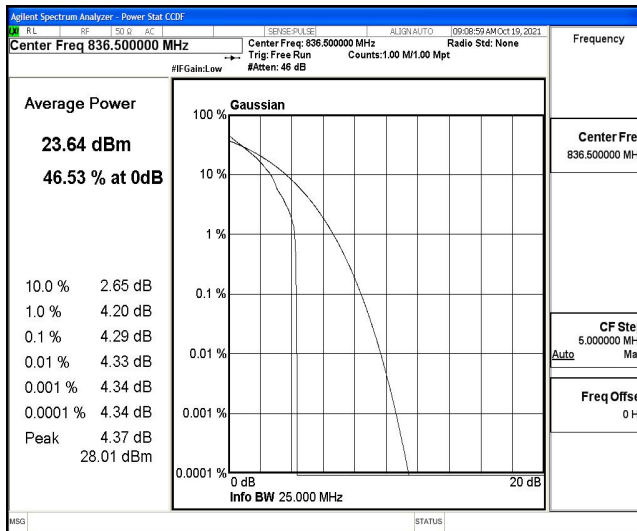
Band5-5MHz-QPSK-20425-1RB#0



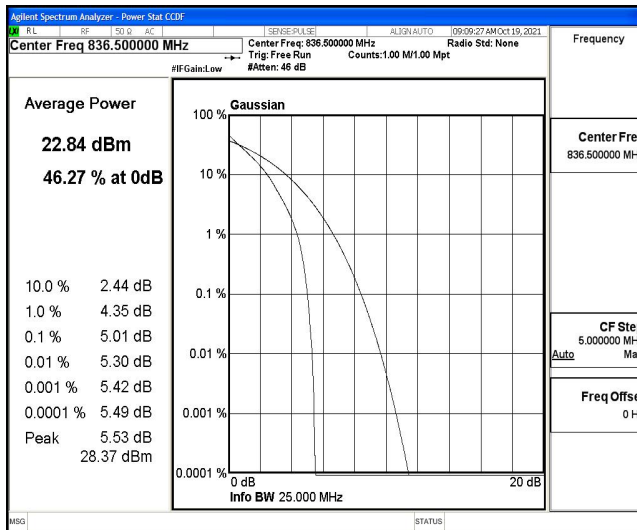
Band5-5MHz-QPSK-20425-25RB#0



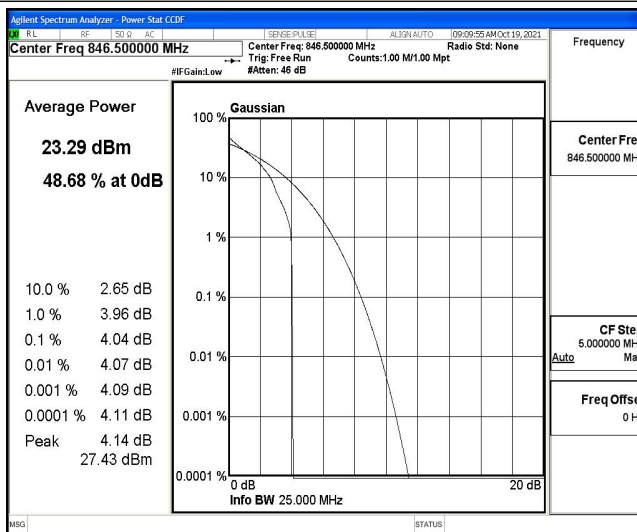
Band5-5MHz-QPSK-20525-1RB#0



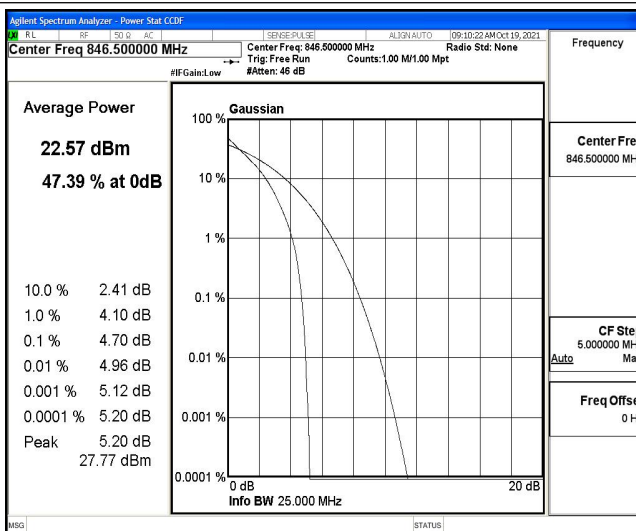
Band5-5MHz-QPSK-20525-25RB#0



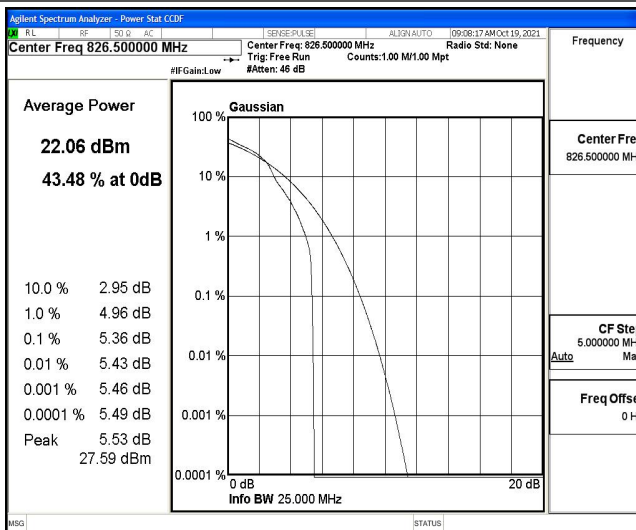
Band5-5MHz-QPSK-20625-1RB#0



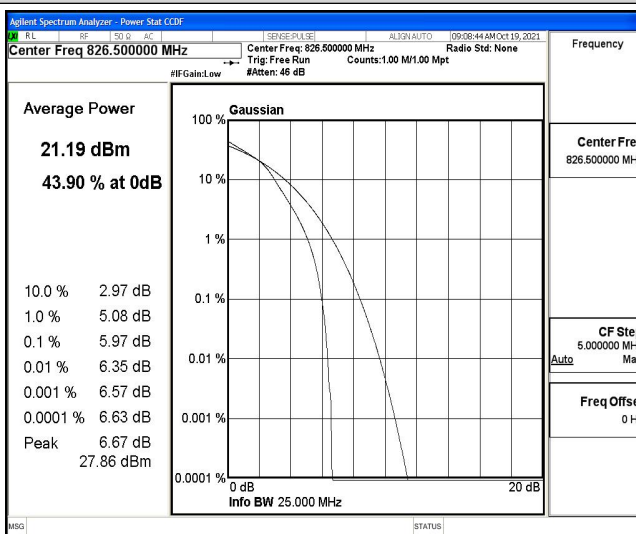
Band5-5MHz-QPSK-20625-25RB#0



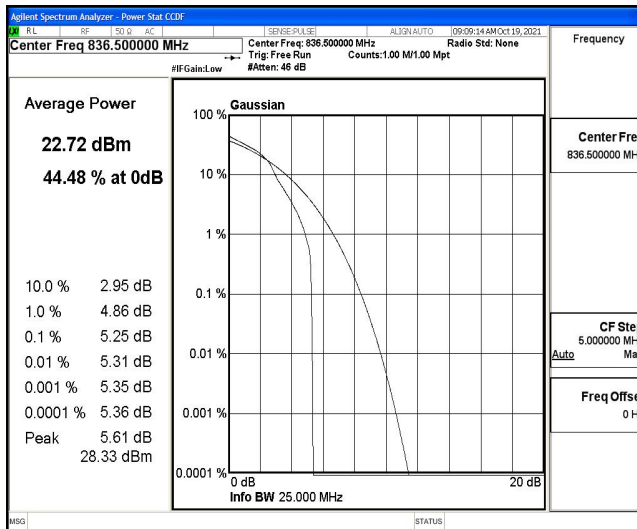
Band5-5MHz-16QAM-20425-1RB#0



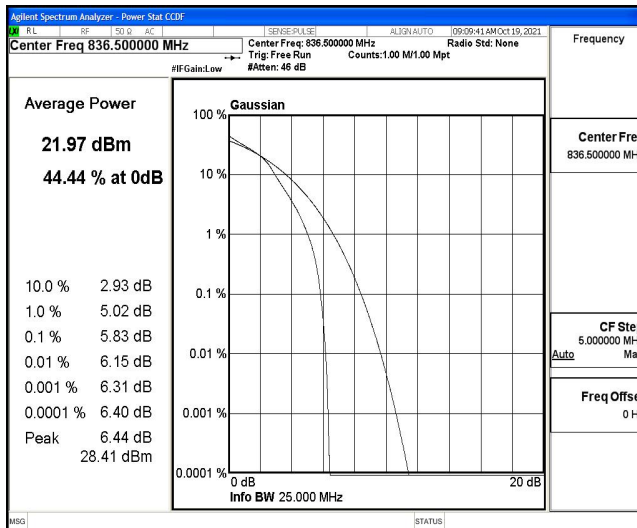
Band5-5MHz-16QAM-20425-25RB#0



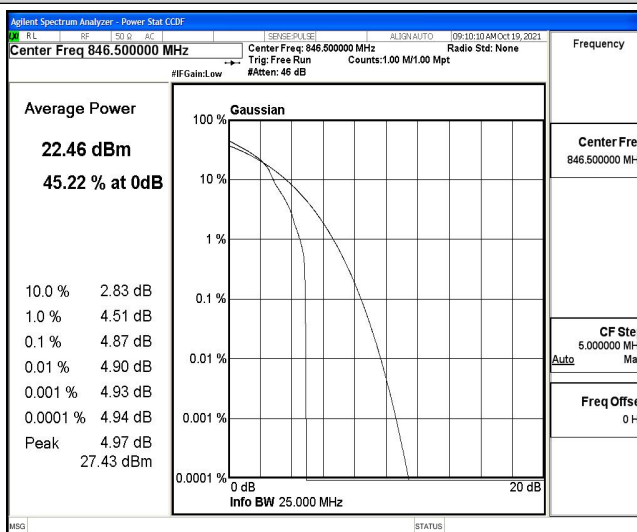
Band5-5MHz-16QAM-20525-1RB#0



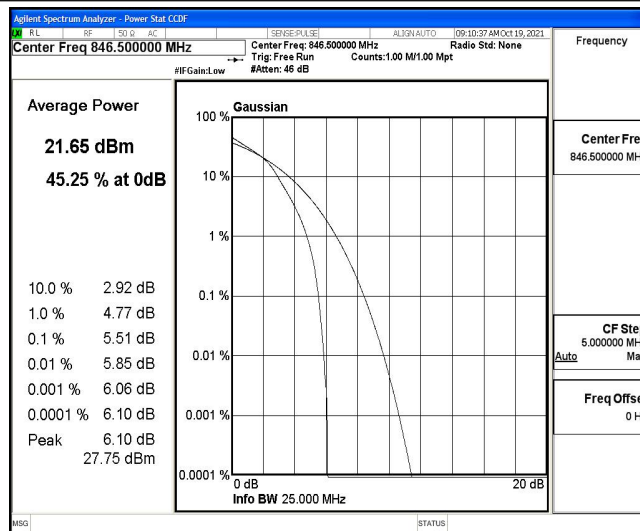
Band5-5MHz-16QAM-20525-25RB#0



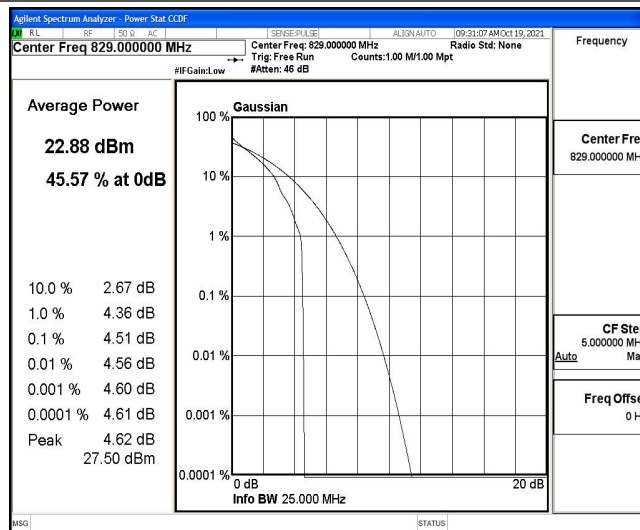
Band5-5MHz-16QAM-20625-1RB#0



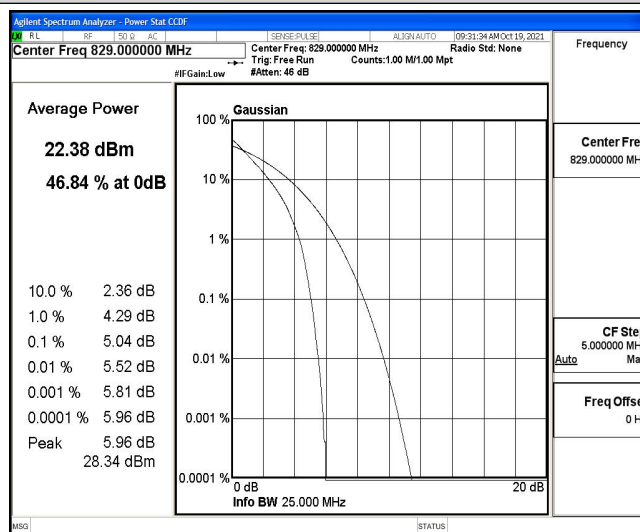
Band5-5MHz-16QAM-20625-25RB#0



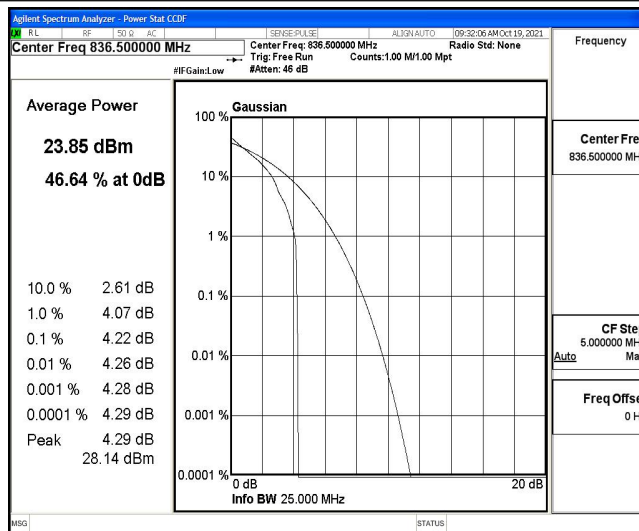
Band5-10MHz-QPSK-20450-1RB#0



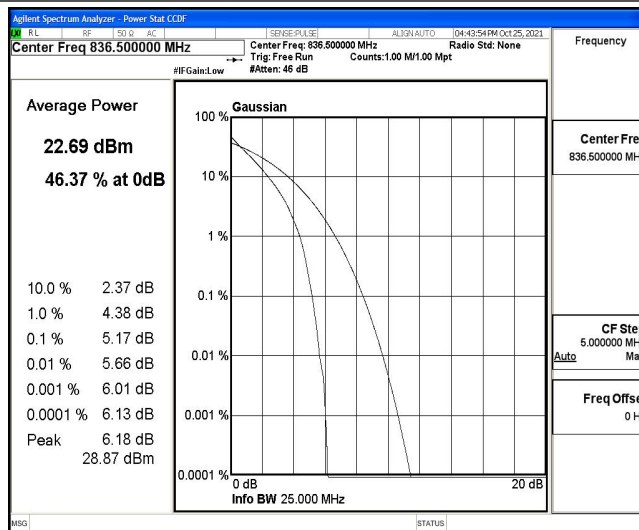
Band5-10MHz-QPSK-20450-50RB#0



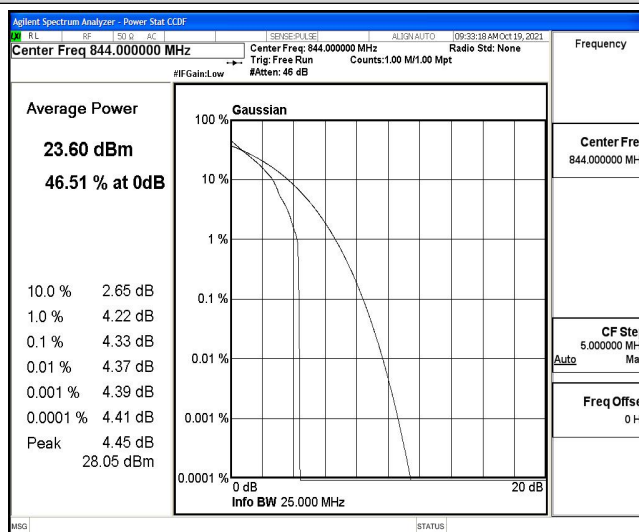
Band5-10MHz-QPSK-20525-1RB#0



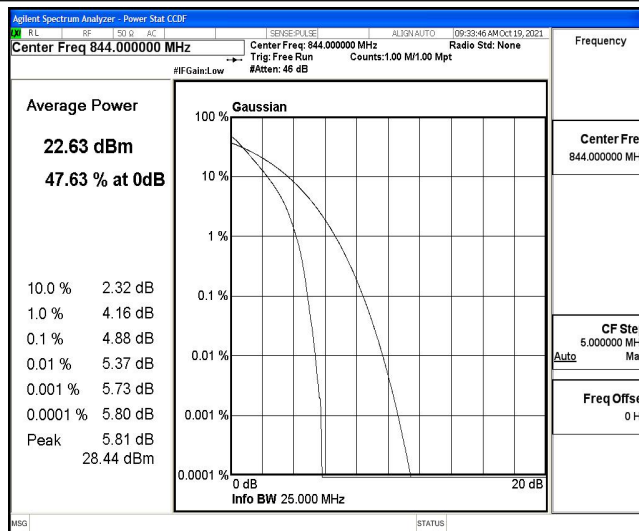
Band5-10MHz-QPSK-20525-50RB#0



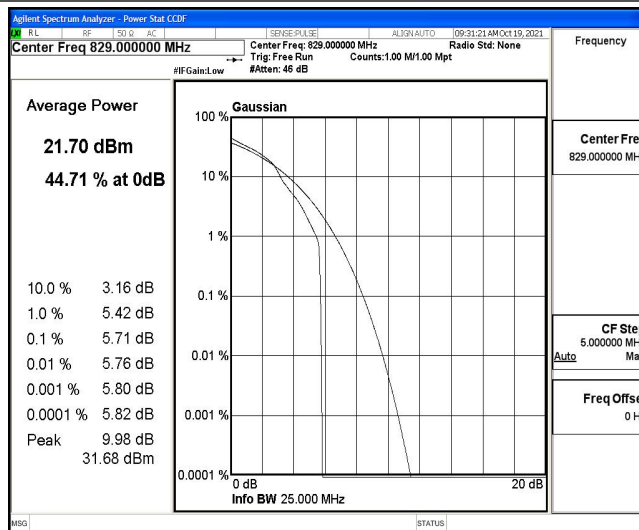
Band5-10MHz-QPSK-20600-1RB#0



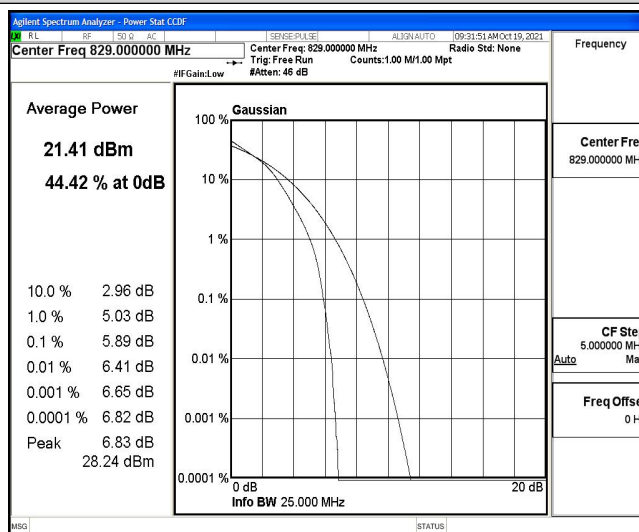
Band5-10MHz-QPSK-20600-50RB#0



Band5-10MHz-16QAM-20450-1RB#0



Band5-10MHz-16QAM-20450-50RB#0



Band5-10MHz-16QAM-20525-1RB#0