



Appendix D Test Data for E-UTRA Band 25

Product Name: Andromeda

Test Model: ETCS2A-M2

Environmental Conditions

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



D.1 Conducted Output Power Data for M1

Test Result

Band	Bandwidth	Channel	Modulation	RB Size	RB Start	Channel	Result(dBm)	Verdict
Band25	1.4MHz	26047	QPSK	1	0	Low	20.40	PASS
Band25	1.4MHz	26047	QPSK	1	5	Low	20.62	PASS
Band25	1.4MHz	26047	QPSK	6	0	Low	18.75	PASS
Band25	1.4MHz	26365	QPSK	1	0	Middle	21.88	PASS
Band25	1.4MHz	26365	QPSK	1	5	Middle	21.88	PASS
Band25	1.4MHz	26365	QPSK	6	0	Middle	19.57	PASS
Band25	1.4MHz	26683	QPSK	1	0	High	22.35	PASS
Band25	1.4MHz	26683	QPSK	1	5	High	22.39	PASS
Band25	1.4MHz	26683	QPSK	6	0	High	20.12	PASS
Band25	1.4MHz	26047	16QAM	1	0	Low	19.89	PASS
Band25	1.4MHz	26047	16QAM	1	5	Low	20.43	PASS
Band25	1.4MHz	26047	16QAM	6	0	Low	18.75	PASS
Band25	1.4MHz	26365	16QAM	1	0	Middle	20.01	PASS
Band25	1.4MHz	26365	16QAM	1	5	Middle	20.25	PASS
Band25	1.4MHz	26365	16QAM	6	0	Middle	19.65	PASS
Band25	1.4MHz	26683	16QAM	1	0	High	21.00	PASS
Band25	1.4MHz	26683	16QAM	1	5	High	21.68	PASS
Band25	1.4MHz	26683	16QAM	6	0	High	20.04	PASS
Band25	3MHz	26055	QPSK	1	0	Low	20.44	PASS
Band25	3MHz	26055	QPSK	1	5	Low	20.51	PASS
Band25	3MHz	26055	QPSK	6	0	Low	18.79	PASS
Band25	3MHz	26365	QPSK	1	0	Middle	21.80	PASS
Band25	3MHz	26365	QPSK	1	5	Middle	21.84	PASS
Band25	3MHz	26365	QPSK	6	0	Middle	19.71	PASS
Band25	3MHz	26675	QPSK	1	0	High	22.38	PASS
Band25	3MHz	26675	QPSK	1	5	High	22.47	PASS
Band25	3MHz	26675	QPSK	6	0	High	20.06	PASS
Band25	3MHz	26055	16QAM	1	0	Low	19.82	PASS
Band25	3MHz	26055	16QAM	1	5	Low	20.04	PASS
Band25	3MHz	26055	16QAM	6	0	Low	18.77	PASS
Band25	3MHz	26365	16QAM	1	0	Middle	20.09	PASS
Band25	3MHz	26365	16QAM	1	5	Middle	20.32	PASS
Band25	3MHz	26365	16QAM	6	0	Middle	19.71	PASS
Band25	3MHz	26675	16QAM	1	0	High	20.90	PASS
Band25	3MHz	26675	16QAM	1	5	High	21.07	PASS



Band25	3MHz	26675	16QAM	6	0	High	20.06	PASS
Band25	5MHz	26065	QPSK	1	0	Low	20.46	PASS
Band25	5MHz	26065	QPSK	1	5	Low	20.48	PASS
Band25	5MHz	26065	QPSK	6	0	Low	19.63	PASS
Band25	5MHz	26365	QPSK	1	0	Middle	21.44	PASS
Band25	5MHz	26365	QPSK	1	5	Middle	21.57	PASS
Band25	5MHz	26365	QPSK	6	0	Middle	20.67	PASS
Band25	5MHz	26665	QPSK	1	0	High	22.08	PASS
Band25	5MHz	26665	QPSK	1	5	High	22.15	PASS
Band25	5MHz	26665	QPSK	6	0	High	20.95	PASS
Band25	5MHz	26065	16QAM	1	0	Low	21.16	PASS
Band25	5MHz	26065	16QAM	1	5	Low	21.29	PASS
Band25	5MHz	26065	16QAM	6	0	Low	19.63	PASS
Band25	5MHz	26365	16QAM	1	0	Middle	22.21	PASS
Band25	5MHz	26365	16QAM	1	5	Middle	22.40	PASS
Band25	5MHz	26365	16QAM	6	0	Middle	20.67	PASS
Band25	5MHz	26665	16QAM	1	0	High	21.67	PASS
Band25	5MHz	26665	16QAM	1	5	High	21.52	PASS
Band25	5MHz	26665	16QAM	6	0	High	21.07	PASS
Band25	10MHz	26090	QPSK	1	0	Low	20.49	PASS
Band25	10MHz	26090	QPSK	1	5	Low	20.68	PASS
Band25	10MHz	26090	QPSK	6	0	Low	19.69	PASS
Band25	10MHz	26365	QPSK	1	0	Middle	21.77	PASS
Band25	10MHz	26365	QPSK	1	5	Middle	21.77	PASS
Band25	10MHz	26365	QPSK	6	0	Middle	20.96	PASS
Band25	10MHz	26640	QPSK	1	0	High	22.47	PASS
Band25	10MHz	26640	QPSK	1	5	High	22.52	PASS
Band25	10MHz	26640	QPSK	6	0	High	21.01	PASS
Band25	10MHz	26090	16QAM	1	0	Low	21.27	PASS
Band25	10MHz	26090	16QAM	1	5	Low	21.40	PASS
Band25	10MHz	26090	16QAM	6	0	Low	19.79	PASS
Band25	10MHz	26365	16QAM	1	0	Middle	22.46	PASS
Band25	10MHz	26365	16QAM	1	5	Middle	22.47	PASS
Band25	10MHz	26365	16QAM	6	0	Middle	20.96	PASS
Band25	10MHz	26640	16QAM	1	0	High	22.01	PASS
Band25	10MHz	26640	16QAM	1	5	High	22.18	PASS
Band25	10MHz	26640	16QAM	6	0	High	21.23	PASS
Band25	15MHz	26115	QPSK	1	0	Low	20.51	PASS
Band25	15MHz	26115	QPSK	1	5	Low	20.53	PASS
Band25	15MHz	26115	QPSK	6	0	Low	20.80	PASS
Band25	15MHz	26365	QPSK	1	0	Middle	21.92	PASS
Band25	15MHz	26365	QPSK	1	5	Middle	21.89	PASS
Band25	15MHz	26365	QPSK	6	0	Middle	22.08	PASS



Band25	15MHz	26615	QPSK	1	0	High	22.43	PASS
Band25	15MHz	26615	QPSK	1	5	High	22.61	PASS
Band25	15MHz	26615	QPSK	6	0	High	22.03	PASS
Band25	15MHz	26115	16QAM	1	0	Low	21.23	PASS
Band25	15MHz	26115	16QAM	1	5	Low	21.54	PASS
Band25	15MHz	26115	16QAM	6	0	Low	20.79	PASS
Band25	15MHz	26365	16QAM	1	0	Middle	22.58	PASS
Band25	15MHz	26365	16QAM	1	5	Middle	22.79	PASS
Band25	15MHz	26365	16QAM	6	0	Middle	22.06	PASS
Band25	15MHz	26615	16QAM	1	0	High	21.75	PASS
Band25	15MHz	26615	16QAM	1	5	High	21.92	PASS
Band25	15MHz	26615	16QAM	6	0	High	22.10	PASS
Band25	20MHz	26140	QPSK	1	0	Low	20.56	PASS
Band25	20MHz	26140	QPSK	1	5	Low	20.63	PASS
Band25	20MHz	26140	QPSK	6	0	Low	20.86	PASS
Band25	20MHz	26365	QPSK	1	0	Middle	22.02	PASS
Band25	20MHz	26365	QPSK	1	5	Middle	22.19	PASS
Band25	20MHz	26365	QPSK	6	0	Middle	22.24	PASS
Band25	20MHz	26590	QPSK	1	0	High	22.19	PASS
Band25	20MHz	26590	QPSK	1	5	High	22.54	PASS
Band25	20MHz	26590	QPSK	6	0	High	22.05	PASS
Band25	20MHz	26140	16QAM	1	0	Low	21.21	PASS
Band25	20MHz	26140	16QAM	1	5	Low	21.42	PASS
Band25	20MHz	26140	16QAM	6	0	Low	20.75	PASS
Band25	20MHz	26365	16QAM	1	0	Middle	22.65	PASS
Band25	20MHz	26365	16QAM	1	5	Middle	22.72	PASS
Band25	20MHz	26365	16QAM	6	0	Middle	22.24	PASS
Band25	20MHz	26590	16QAM	1	0	High	21.80	PASS
Band25	20MHz	26590	16QAM	1	5	High	21.95	PASS
Band25	20MHz	26590	16QAM	6	0	High	22.04	PASS



D.2 Peak-to-Average Ratio(CCDF) for M1

Test Result

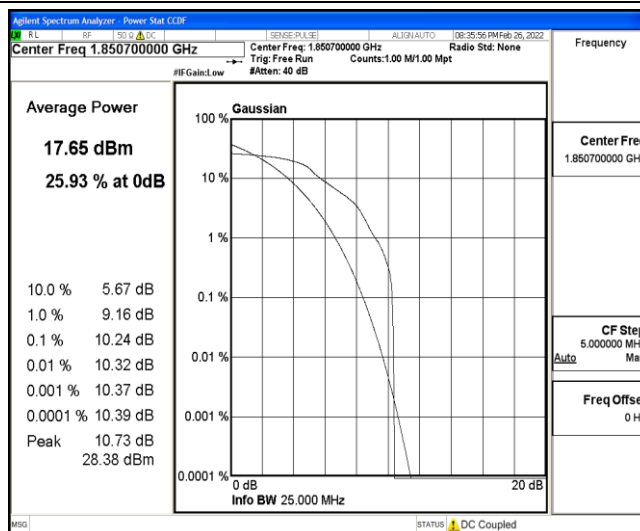
Band	Bandwidth	Channel	Modulation	RB Size	RB Start	Channel	Result(dB)	Limit(dB)	Verdict
Band25	1.4MHz	26047	QPSK	1	0	Low	10.24	<=13	PASS
Band25	1.4MHz	26047	QPSK	6	0	Low	11.54	<=13	PASS
Band25	1.4MHz	26365	QPSK	1	0	Middle	8.94	<=13	PASS
Band25	1.4MHz	26365	QPSK	6	0	Middle	11.56	<=13	PASS
Band25	1.4MHz	26683	QPSK	1	0	High	10.44	<=13	PASS
Band25	1.4MHz	26683	QPSK	6	0	High	12.93	<=13	PASS
Band25	1.4MHz	26047	16QAM	1	0	Low	12.16	<=13	PASS
Band25	1.4MHz	26047	16QAM	6	0	Low	10.84	<=13	PASS
Band25	1.4MHz	26365	16QAM	1	0	Middle	10.78	<=13	PASS
Band25	1.4MHz	26365	16QAM	6	0	Middle	11.12	<=13	PASS
Band25	1.4MHz	26683	16QAM	1	0	High	11.34	<=13	PASS
Band25	1.4MHz	26683	16QAM	6	0	High	10.13	<=13	PASS
Band25	3MHz	26055	QPSK	1	0	Low	10.78	<=13	PASS
Band25	3MHz	26055	QPSK	6	0	Low	10.51	<=13	PASS
Band25	3MHz	26365	QPSK	1	0	Middle	11.44	<=13	PASS
Band25	3MHz	26365	QPSK	6	0	Middle	8.89	<=13	PASS
Band25	3MHz	26675	QPSK	1	0	High	8.90	<=13	PASS
Band25	3MHz	26675	QPSK	6	0	High	10.14	<=13	PASS
Band25	3MHz	26055	16QAM	1	0	Low	11.84	<=13	PASS
Band25	3MHz	26055	16QAM	6	0	Low	11.66	<=13	PASS
Band25	3MHz	26365	16QAM	1	0	Middle	10.34	<=13	PASS
Band25	3MHz	26365	16QAM	6	0	Middle	10.66	<=13	PASS
Band25	3MHz	26675	16QAM	1	0	High	10.50	<=13	PASS
Band25	3MHz	26675	16QAM	6	0	High	10.95	<=13	PASS
Band25	5MHz	26065	QPSK	1	0	Low	10.31	<=13	PASS
Band25	5MHz	26065	QPSK	6	0	Low	11.81	<=13	PASS
Band25	5MHz	26365	QPSK	1	0	Middle	10.91	<=13	PASS
Band25	5MHz	26365	QPSK	6	0	Middle	11.44	<=13	PASS
Band25	5MHz	26665	QPSK	1	0	High	11.12	<=13	PASS
Band25	5MHz	26665	QPSK	6	0	High	10.91	<=13	PASS
Band25	5MHz	26065	16QAM	1	0	Low	8.96	<=13	PASS
Band25	5MHz	26065	16QAM	6	0	Low	11.97	<=13	PASS
Band25	5MHz	26365	16QAM	1	0	Middle	10.65	<=13	PASS
Band25	5MHz	26365	16QAM	6	0	Middle	12.43	<=13	PASS



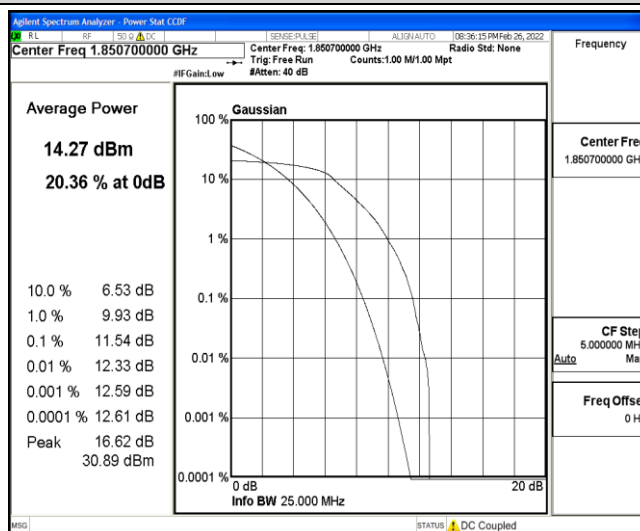
Band25	5MHz	26665	16QAM	1	0	High	10.49	<=13	PASS
Band25	5MHz	26665	16QAM	6	0	High	9.11	<=13	PASS
Band25	10MHz	26090	QPSK	1	0	Low	11.13	<=13	PASS
Band25	10MHz	26090	QPSK	6	0	Low	10.78	<=13	PASS
Band25	10MHz	26365	QPSK	1	0	Middle	11.45	<=13	PASS
Band25	10MHz	26365	QPSK	6	0	Middle	9.85	<=13	PASS
Band25	10MHz	26640	QPSK	1	0	High	9.64	<=13	PASS
Band25	10MHz	26640	QPSK	6	0	High	12.43	<=13	PASS
Band25	10MHz	26090	16QAM	1	0	Low	10.96	<=13	PASS
Band25	10MHz	26090	16QAM	6	0	Low	11.44	<=13	PASS
Band25	10MHz	26365	16QAM	1	0	Middle	10.07	<=13	PASS
Band25	10MHz	26365	16QAM	6	0	Middle	9.34	<=13	PASS
Band25	10MHz	26640	16QAM	1	0	High	9.19	<=13	PASS
Band25	10MHz	26640	16QAM	6	0	High	11.62	<=13	PASS
Band25	15MHz	26115	QPSK	1	0	Low	9.72	<=13	PASS
Band25	15MHz	26115	QPSK	6	0	Low	9.50	<=13	PASS
Band25	15MHz	26365	QPSK	1	0	Middle	9.09	<=13	PASS
Band25	15MHz	26365	QPSK	6	0	Middle	9.60	<=13	PASS
Band25	15MHz	26615	QPSK	1	0	High	10.01	<=13	PASS
Band25	15MHz	26615	QPSK	6	0	High	9.32	<=13	PASS
Band25	15MHz	26115	16QAM	1	0	Low	11.27	<=13	PASS
Band25	15MHz	26115	16QAM	6	0	Low	9.70	<=13	PASS
Band25	15MHz	26365	16QAM	1	0	Middle	9.27	<=13	PASS
Band25	15MHz	26365	16QAM	6	0	Middle	9.95	<=13	PASS
Band25	15MHz	26615	16QAM	1	0	High	10.14	<=13	PASS
Band25	15MHz	26615	16QAM	6	0	High	9.37	<=13	PASS
Band25	20MHz	26140	QPSK	1	0	Low	10.10	<=13	PASS
Band25	20MHz	26140	QPSK	6	0	Low	8.79	<=13	PASS
Band25	20MHz	26365	QPSK	1	0	Middle	11.02	<=13	PASS
Band25	20MHz	26365	QPSK	6	0	Middle	9.49	<=13	PASS
Band25	20MHz	26590	QPSK	1	0	High	10.22	<=13	PASS
Band25	20MHz	26590	QPSK	6	0	High	9.97	<=13	PASS
Band25	20MHz	26140	16QAM	1	0	Low	10.43	<=13	PASS
Band25	20MHz	26140	16QAM	6	0	Low	8.70	<=13	PASS
Band25	20MHz	26365	16QAM	1	0	Middle	10.99	<=13	PASS
Band25	20MHz	26365	16QAM	6	0	Middle	10.54	<=13	PASS
Band25	20MHz	26590	16QAM	1	0	High	11.17	<=13	PASS
Band25	20MHz	26590	16QAM	6	0	High	8.88	<=13	PASS



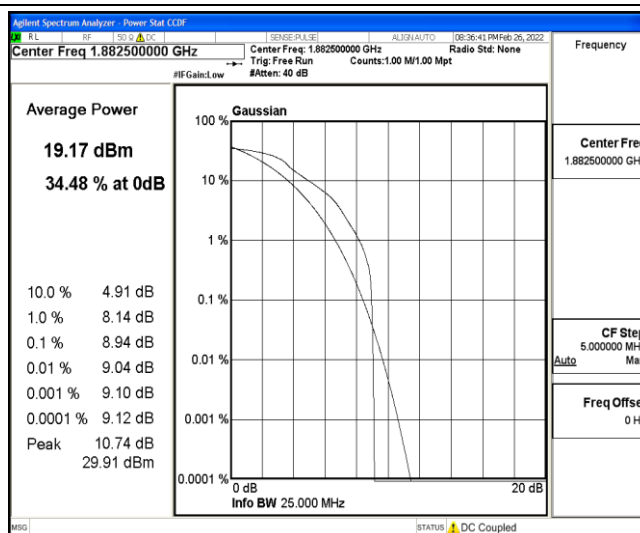
Test Graphs



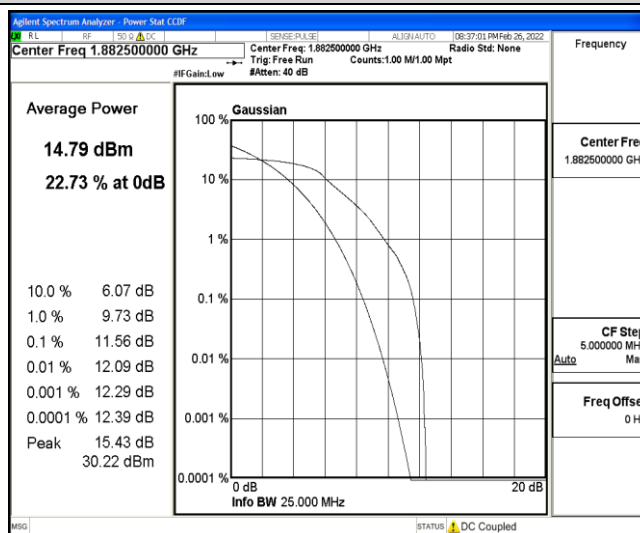
Band25-1.4MHz-QPSK-26047-1-0-Low-10.24-<=13-PASS



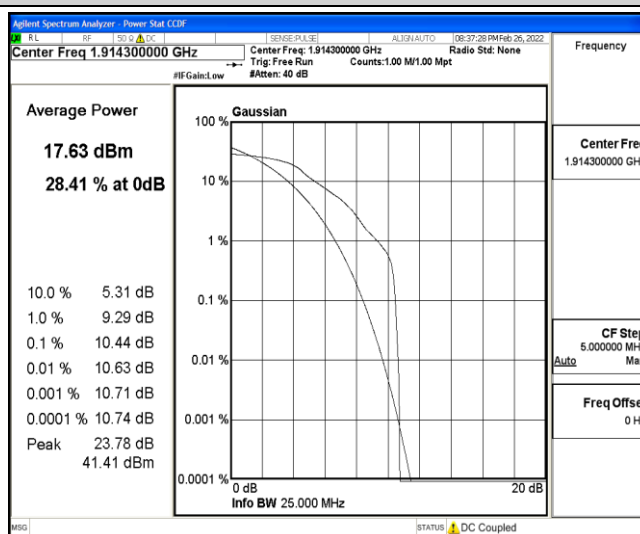
Band25-1.4MHz-QPSK-26047-6-0-Low-11.54-<=13-PASS



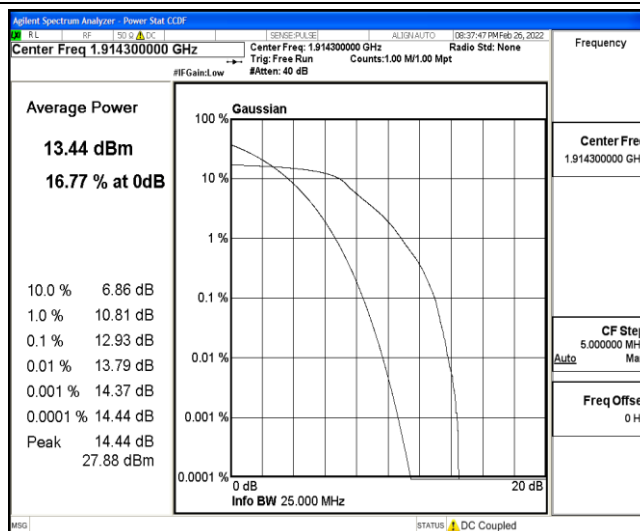
Band25-1.4MHz-QPSK-26365-1-0-Low-8.94-<=13-PASS



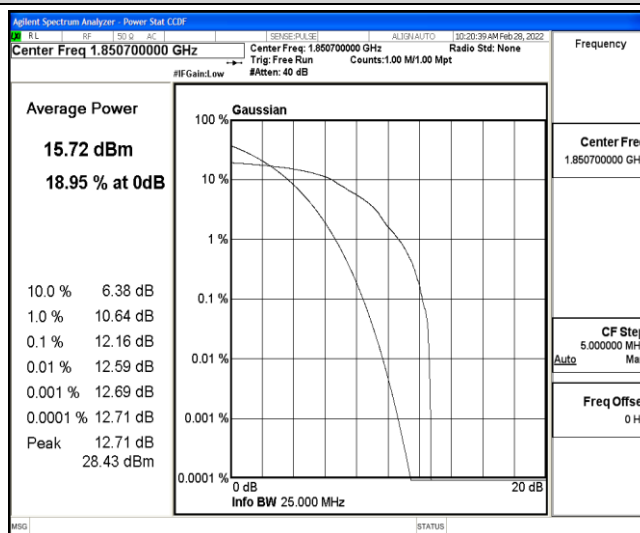
Band25-1.4MHz-QPSK-26365-6-0-Low-11.56-<=13-PASS



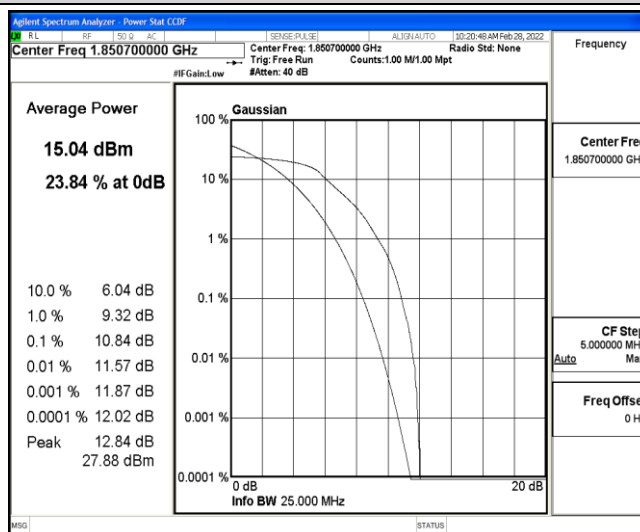
Band25-1.4MHz-QPSK-26683-1-0-High-10.44-<=13-PASS



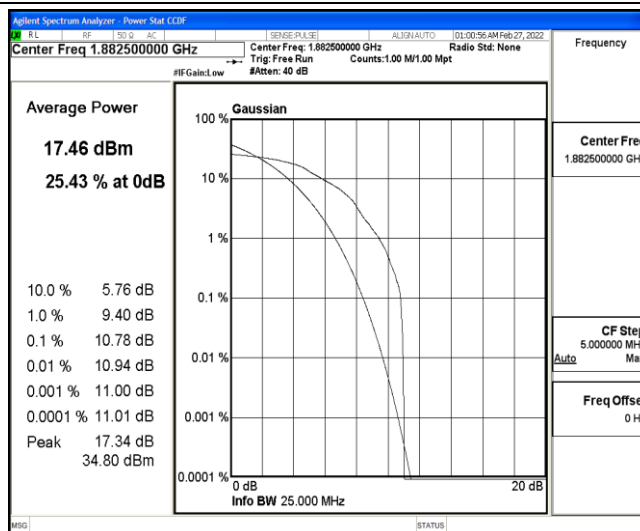
Band25-1.4MHz-QPSK-26683-6-0-High-12.93-<=13-PASS



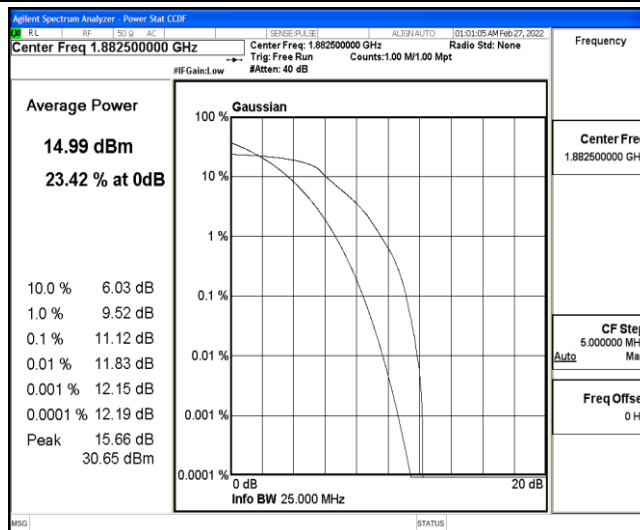
Band25-1.4MHz-16QAM-26047-1-0-Low-12.16-<=13-PASS



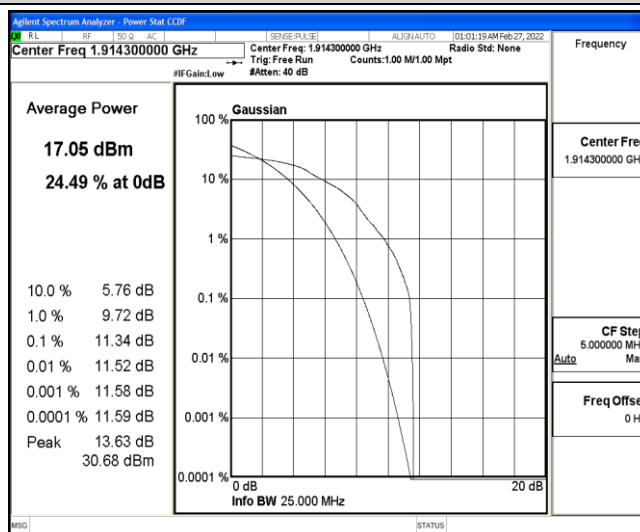
Band25-1.4MHz-16QAM-26047-6-0-Low-10.84-<=13-PASS



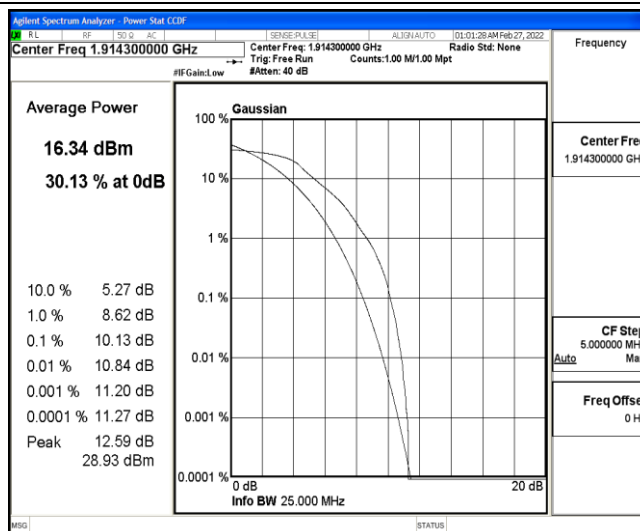
Band25-1.4MHz-16QAM-26365-1-0-Low-10.78-<=13-PASS



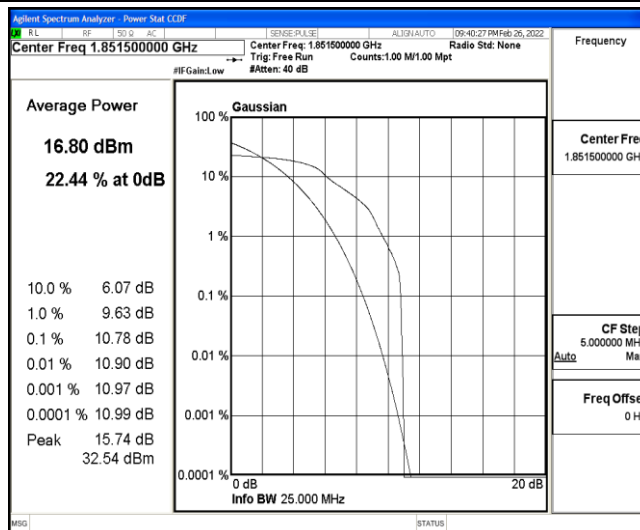
Band25-1.4MHz-16QAM-26365-6-0-Low-11.12-<=13-PASS



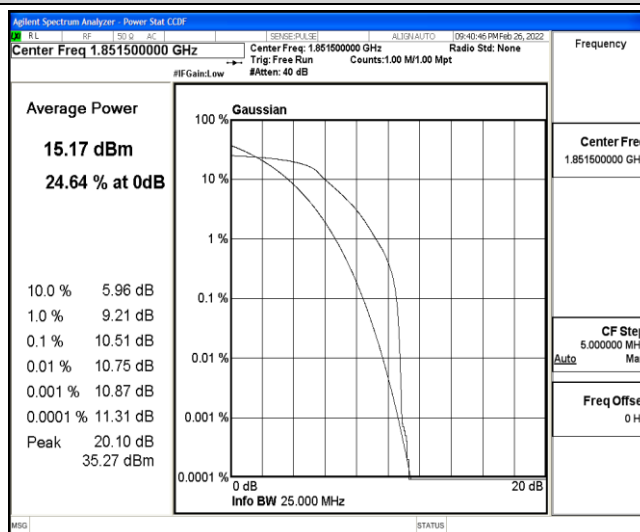
Band25-1.4MHz-16QAM-26683-1-0-High-11.34-<=13-PASS



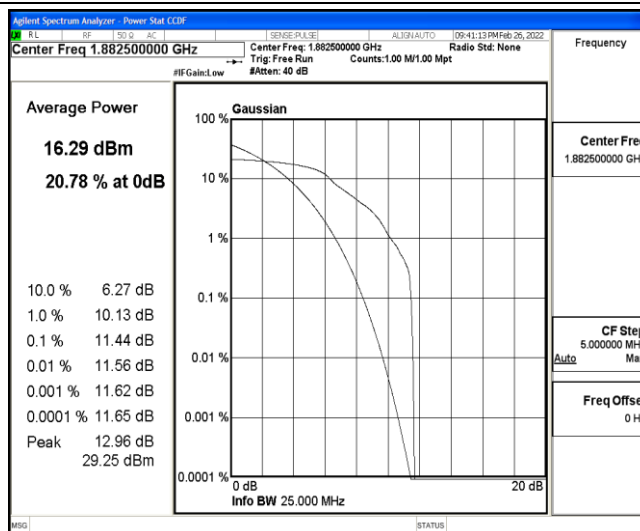
Band25-1.4MHz-16QAM-26683-6-0-High-10.13-<=13-PASS



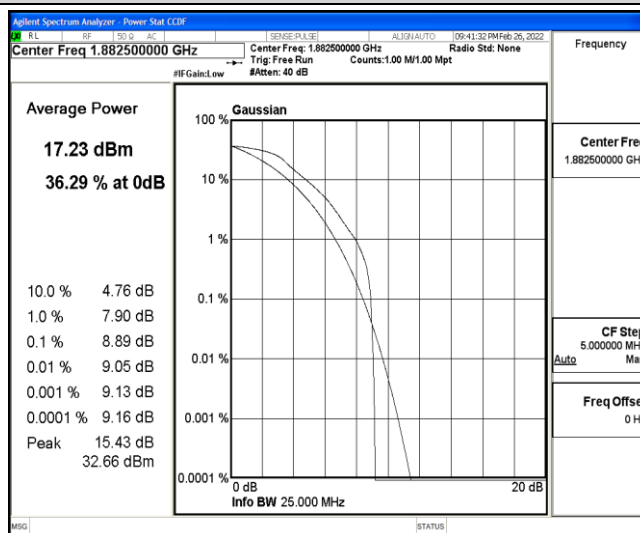
Band25-3MHz-QPSK-26055-1-0-Low-10.78-<=13-PASS



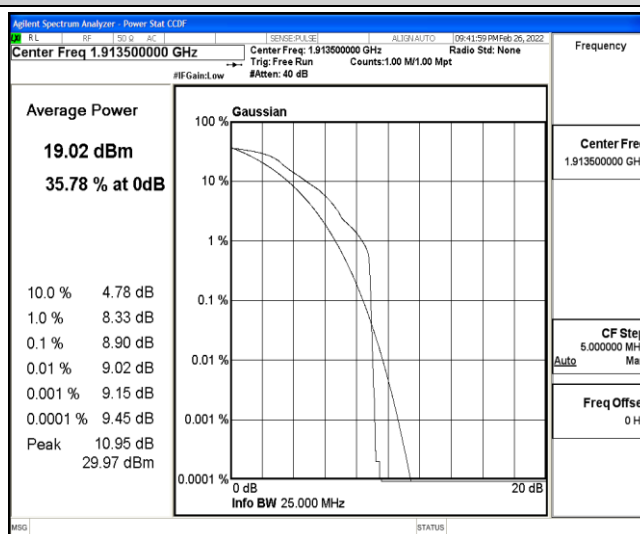
Band25-3MHz-QPSK-26055-6-0-Low-10.51-<=13-PASS



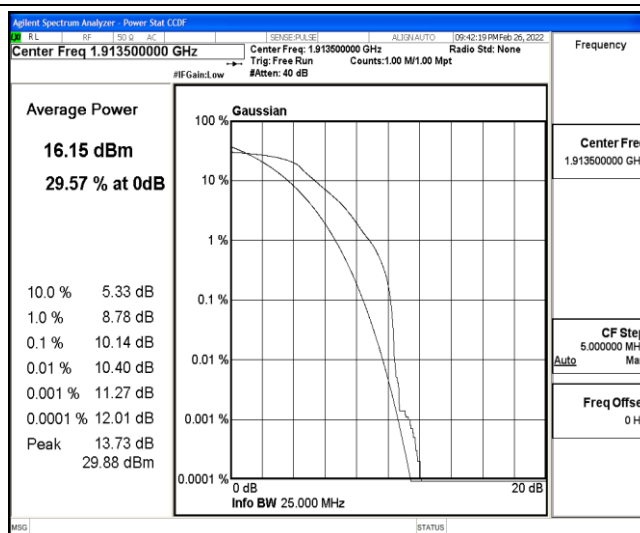
Band25-3MHz-QPSK-26365-1-0-Low-11.44-=<=13-PASS



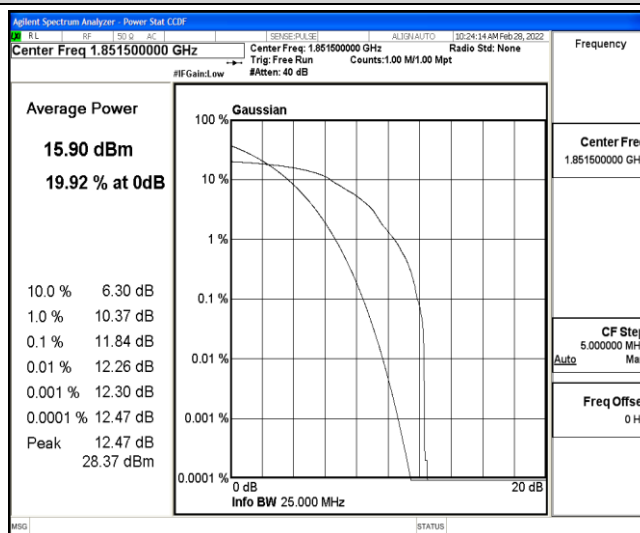
Band25-3MHz-QPSK-26365-6-0-Low-8.89-=<=13-PASS



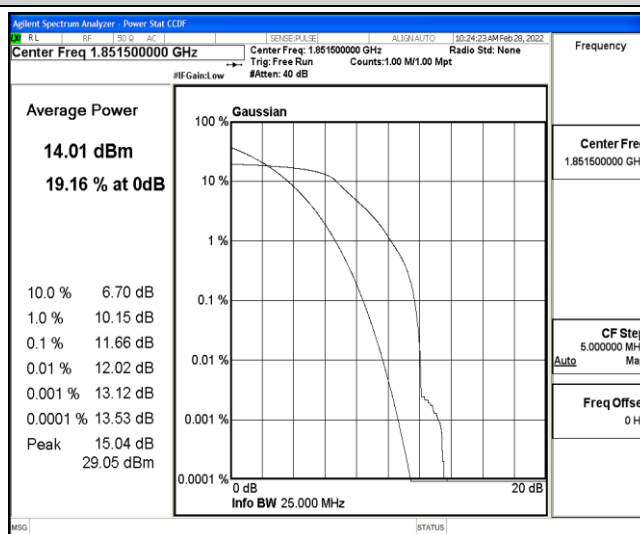
Band25-3MHz-QPSK-26675-1-0-High-8.90-=<=13-PASS



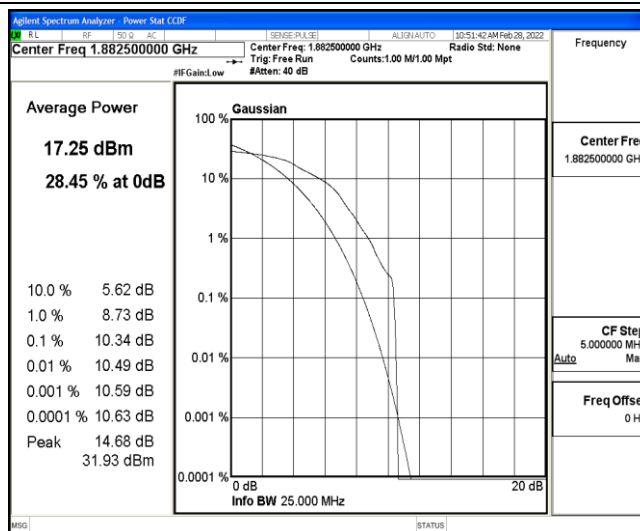
Band25-3MHz-QPSK-26675-6-0-High-10.14-<=13-PASS



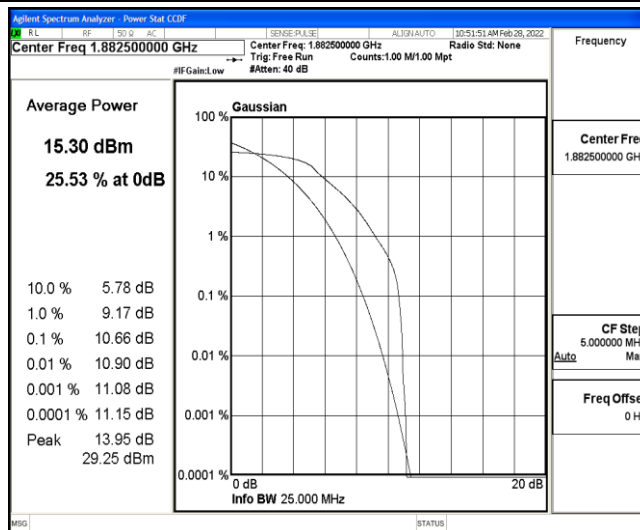
Band25-3MHz-16QAM-26055-1-0-Low-11.84-<=13-PASS



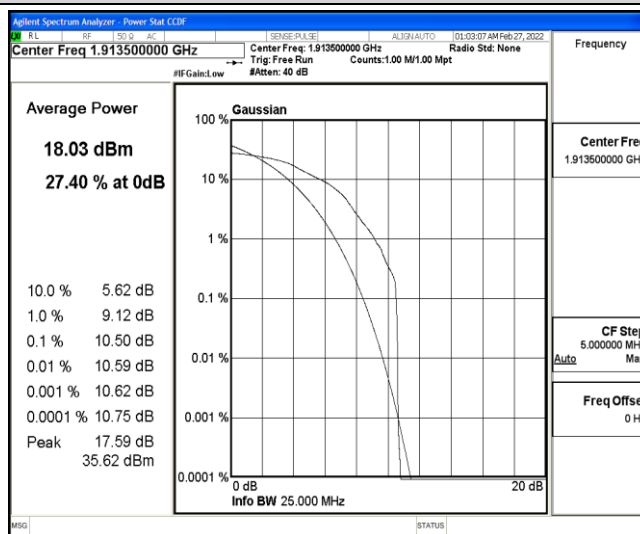
Band25-3MHz-16QAM-26055-6-0-Low-11.66-<=13-PASS



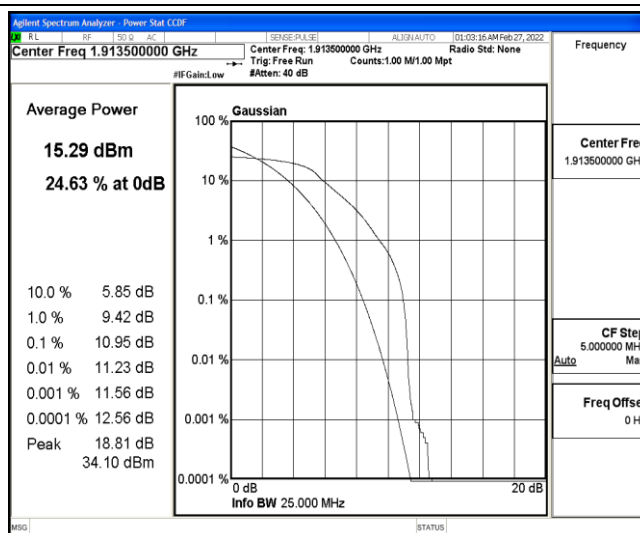
Band25-3MHz-16QAM-26365-1-0-Low-10.34-<=13-PASS



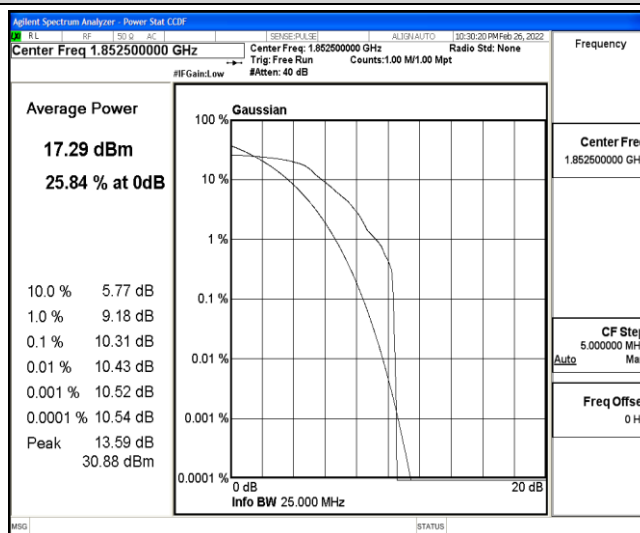
Band25-3MHz-16QAM-26365-6-0-Low-10.66-<=13-PASS



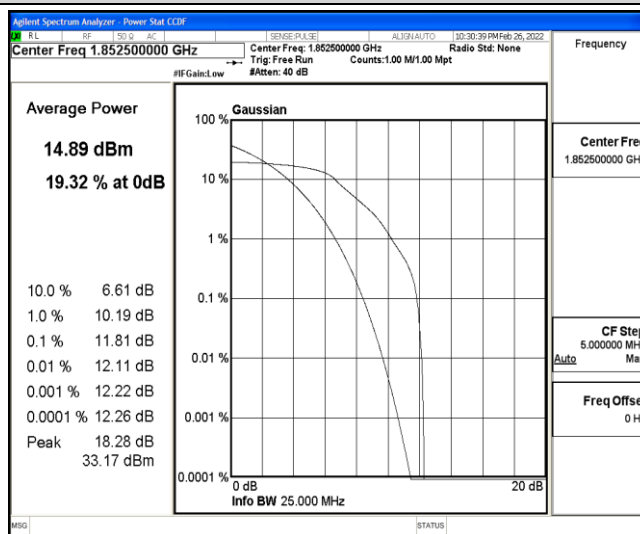
Band25-3MHz-16QAM-26675-1-0-High-10.50-<=13-PASS



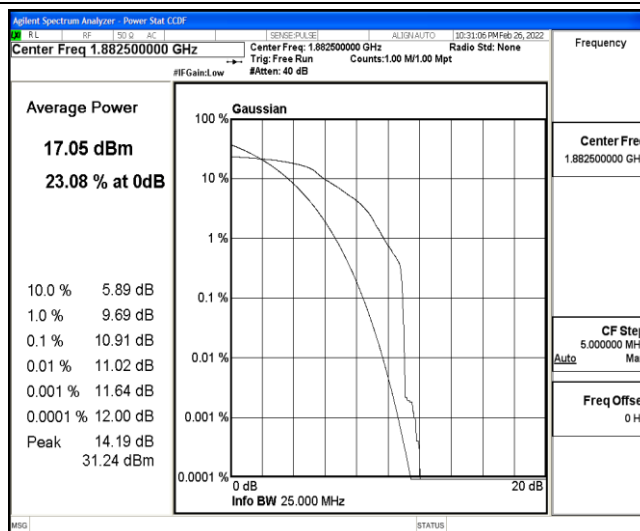
Band25-3MHz-16QAM-26675-6-0-High-10.95-<=13-PASS



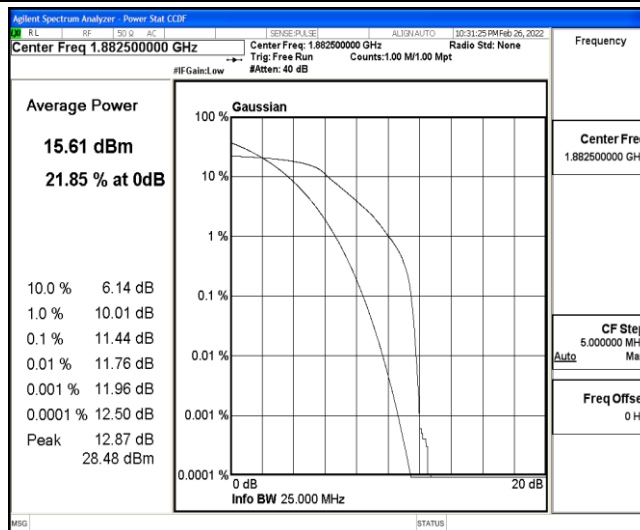
Band25-5MHz-QPSK-26065-1-0-Low-10.31-<=13-PASS



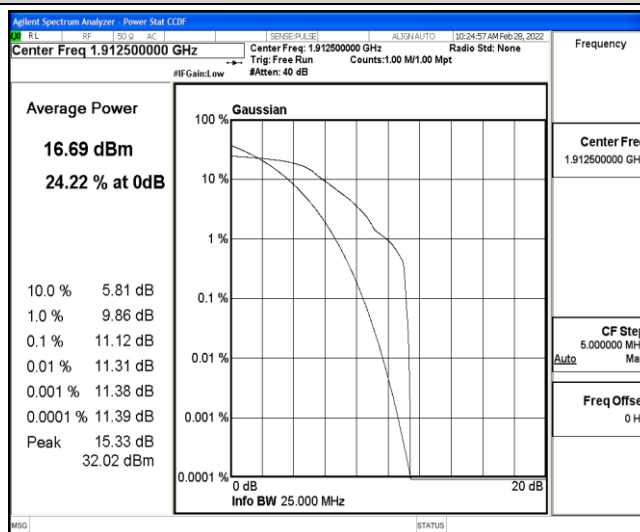
Band25-5MHz-QPSK-26065-6-0-Low-11.81-<=13-PASS



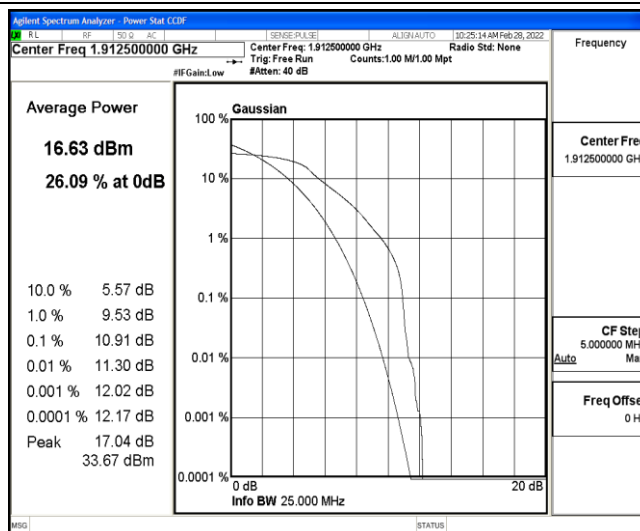
Band25-5MHz-QPSK-26365-1-0-Low-10.91-<=13-PASS



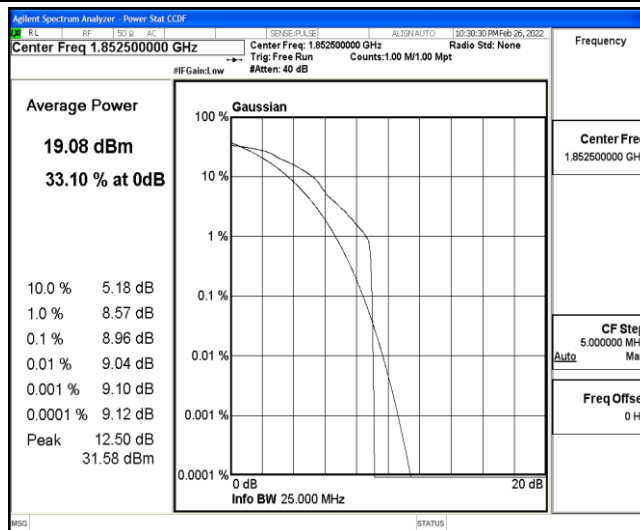
Band25-5MHz-QPSK-26365-6-0-Low-11.44-<=13-PASS



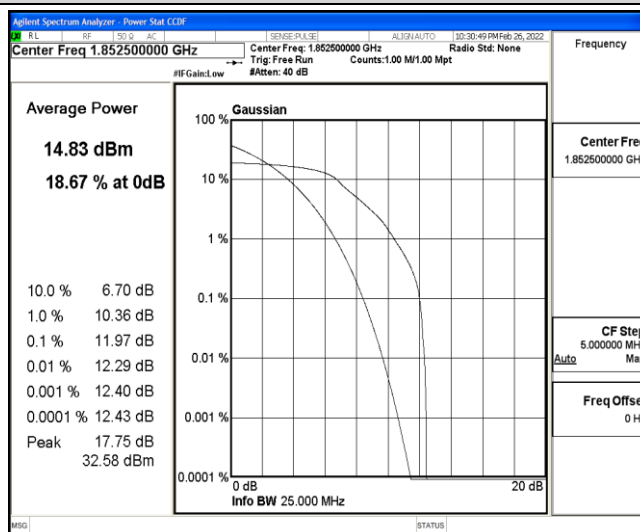
Band25-5MHz-QPSK-26665-1-0-High-11.12-<=13-PASS



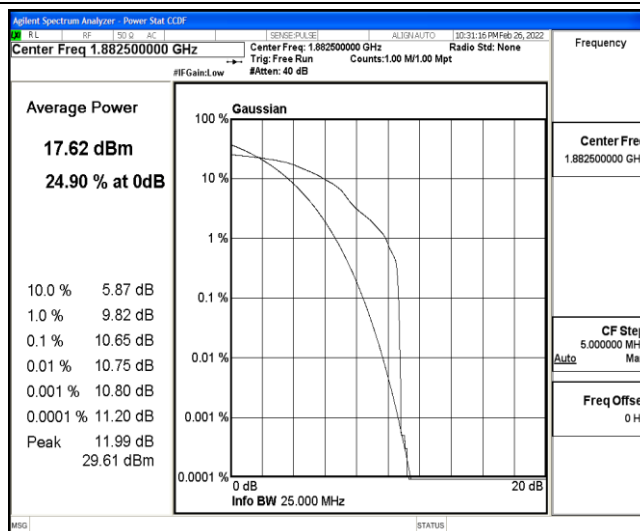
Band25-5MHz-QPSK-26665-6-0-High-10.91-<=13-PASS



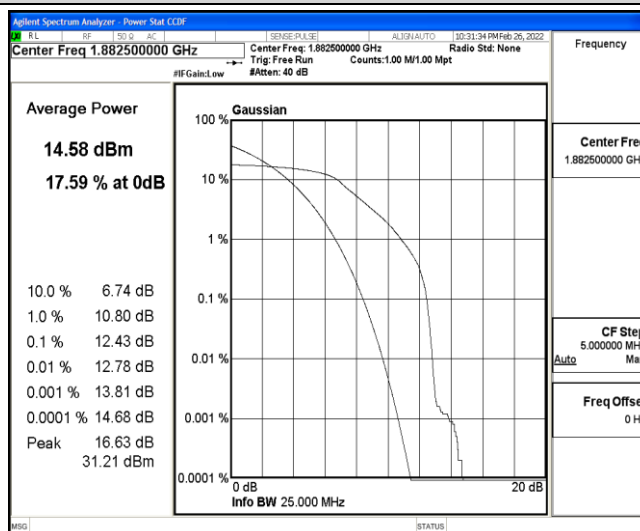
Band25-5MHz-16QAM-26065-1-0-Low-8.96-<=13-PASS



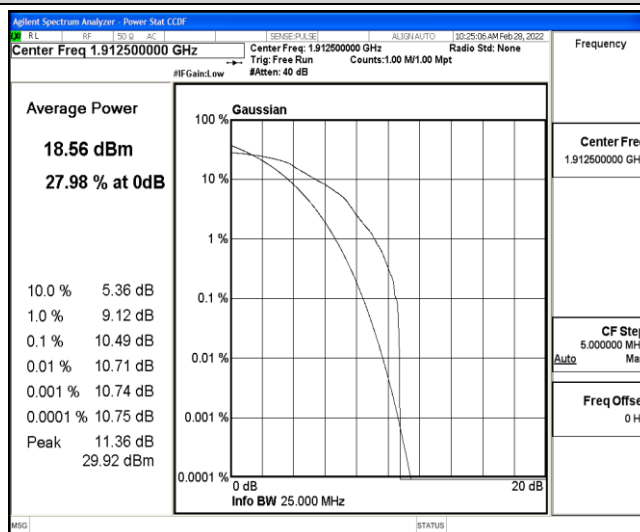
Band25-5MHz-16QAM-26065-6-0-Low-11.97-<=13-PASS



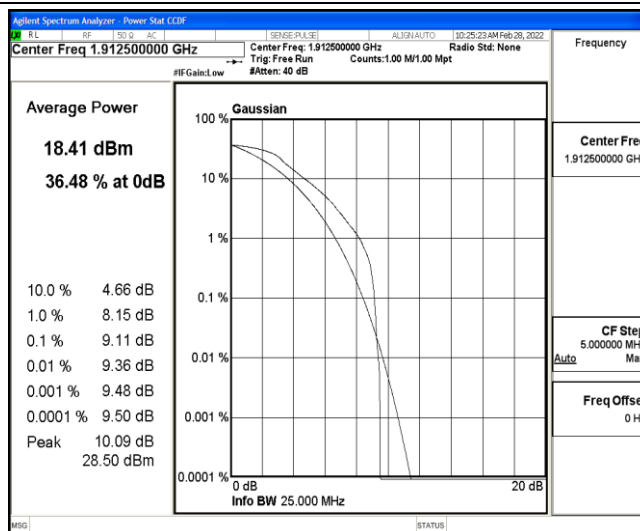
Band25-5MHz-16QAM-26365-1-0-Low-10.65-<=13-PASS



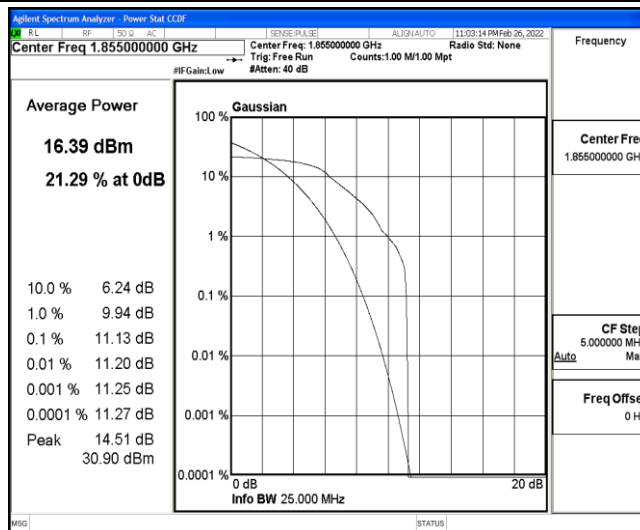
Band25-5MHz-16QAM-26365-6-0-Low-12.43-<=13-PASS



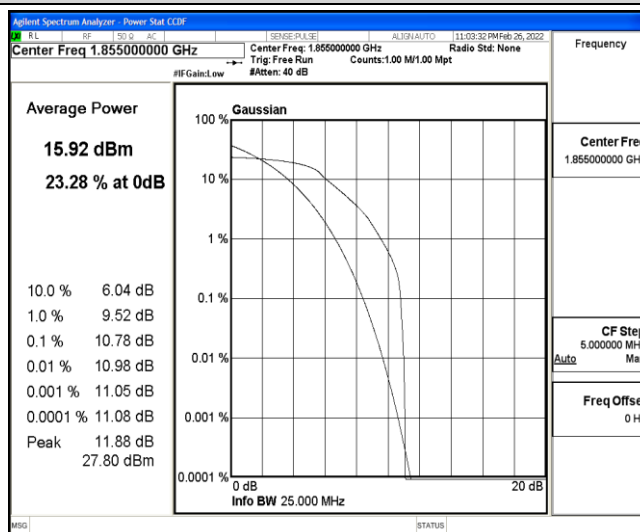
Band25-5MHz-16QAM-26665-1-0-High-10.49-<=13-PASS



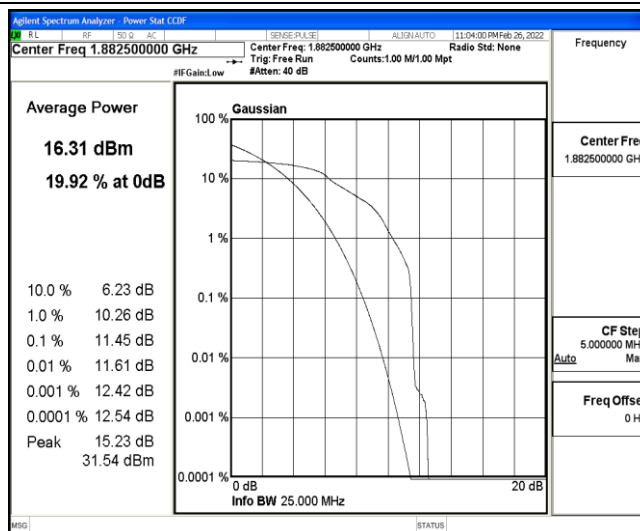
Band25-5MHz-16QAM-26665-6-0-High-9.11-<=13-PASS



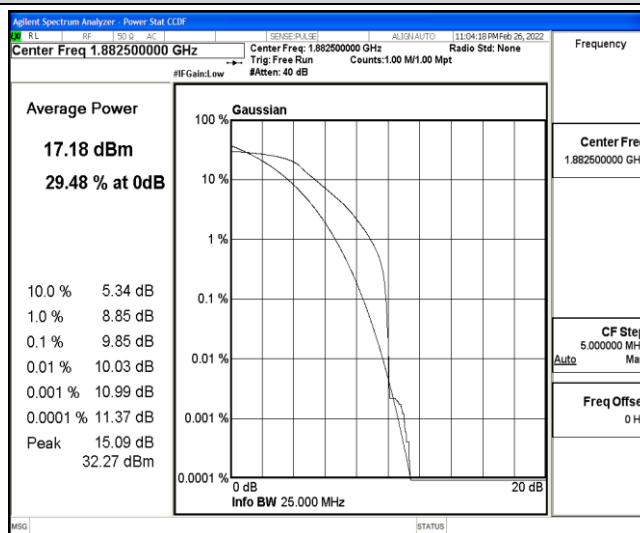
Band25-10MHz-QPSK-26090-1-0-Low-11.13-<=13-PASS



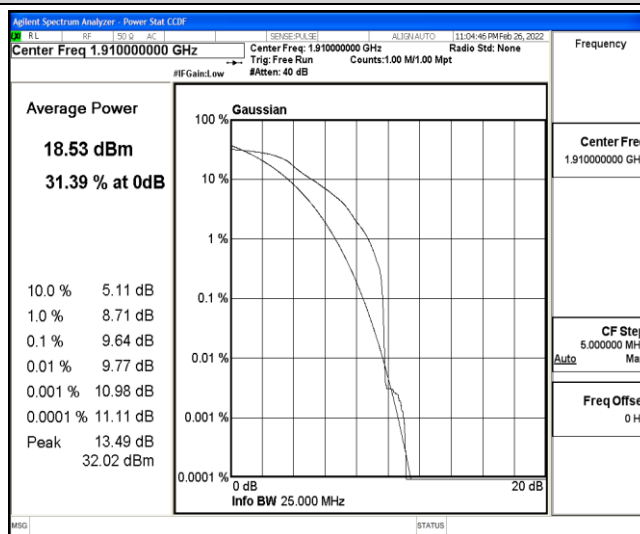
Band25-10MHz-QPSK-26090-6-0-Low-10.78-<=13-PASS



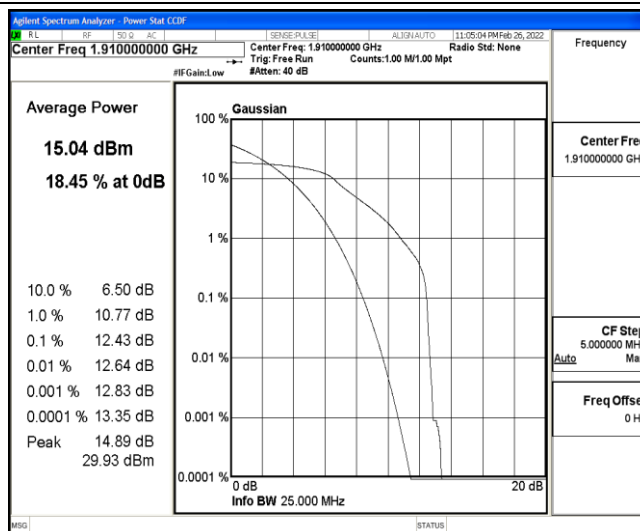
Band25-10MHz-QPSK-26365-1-0-Low-11.45-<=13-PASS



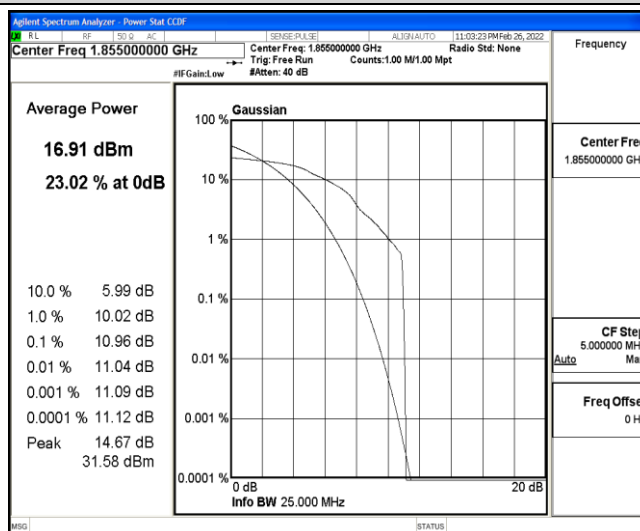
Band25-10MHz-QPSK-26365-6-0-Low-9.85-<=13-PASS



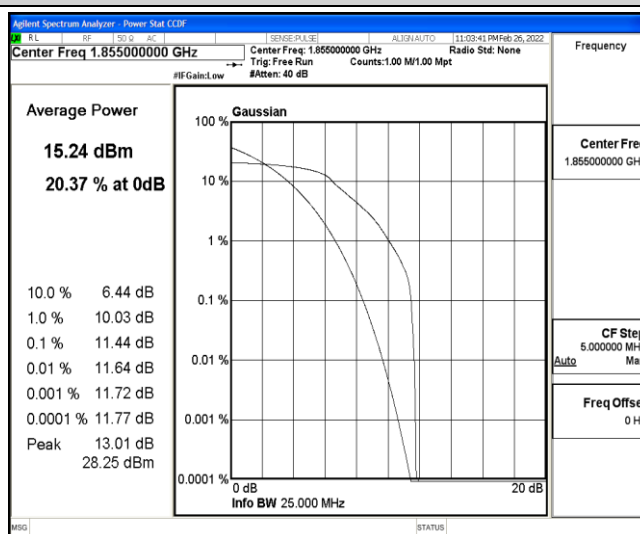
Band25-10MHz-QPSK-26640-1-0-High-9.64-<=13-PASS



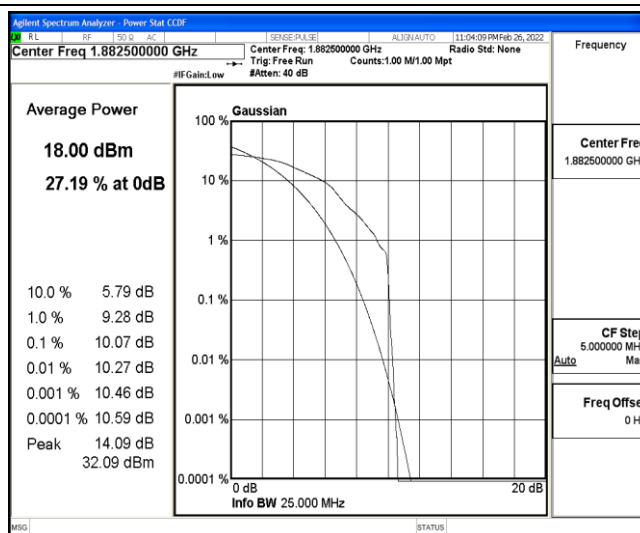
Band25-10MHz-QPSK-26640-6-0-High-12.43-<=13-PASS



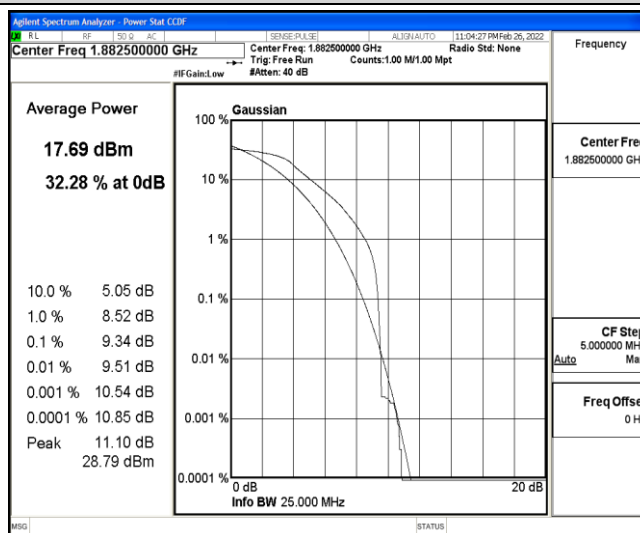
Band25-10MHz-16QAM-26090-1-0-Low-10.96-<=13-PASS



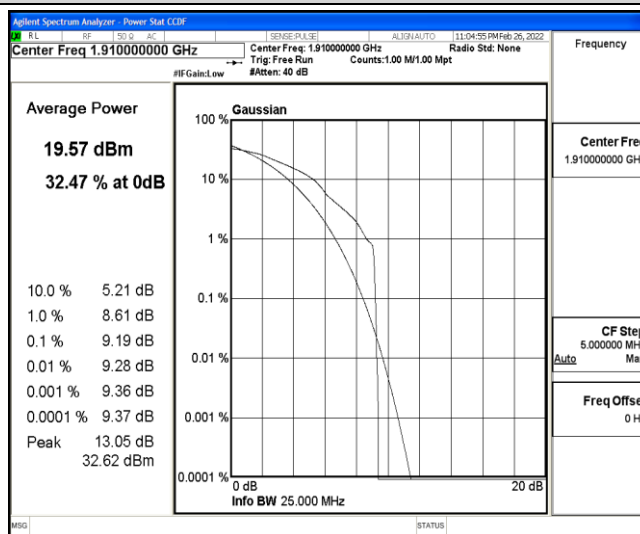
Band25-10MHz-16QAM-26090-6-0-Low-11.44-<=13-PASS



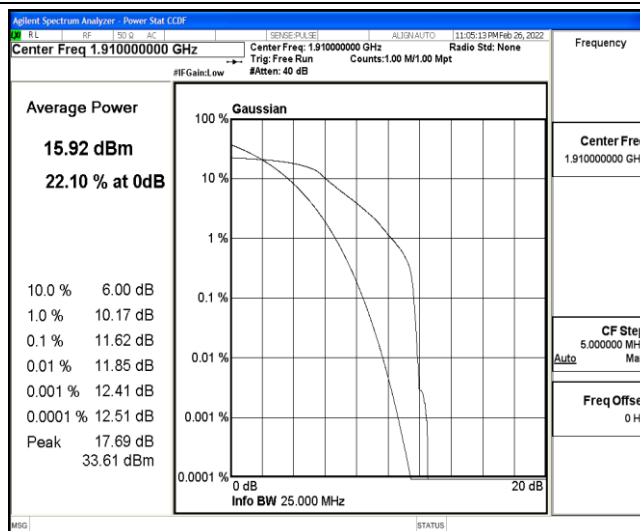
Band25-10MHz-16QAM-26365-1-0-Low-10.07-13-PASS



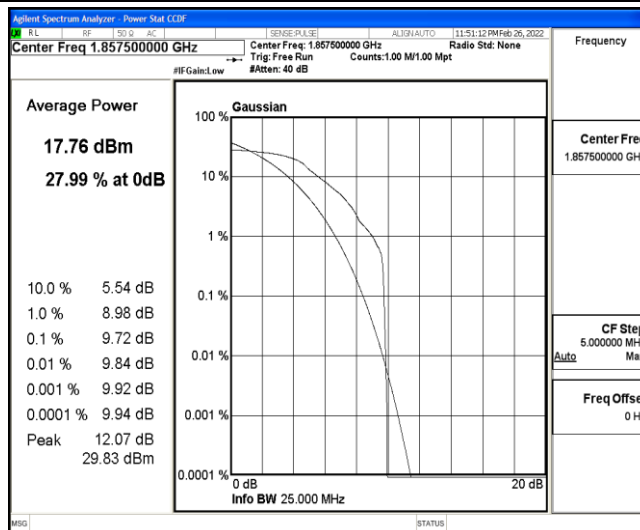
Band25-10MHz-16QAM-26365-6-0-Low-9.34-13-PASS



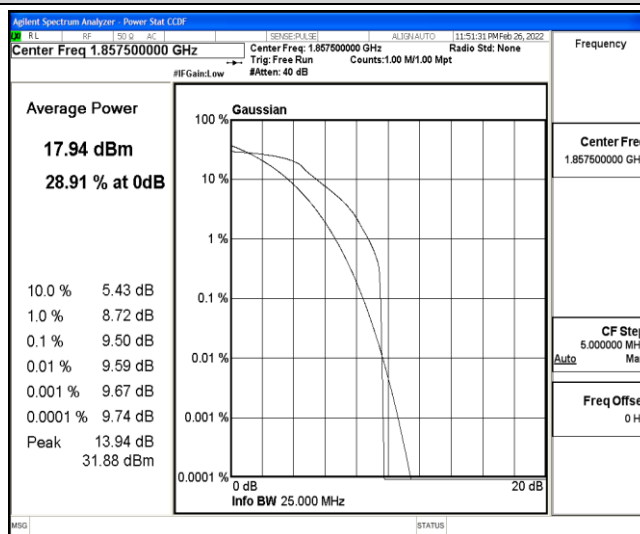
Band25-10MHz-16QAM-26640-1-0-High-9.19-13-PASS



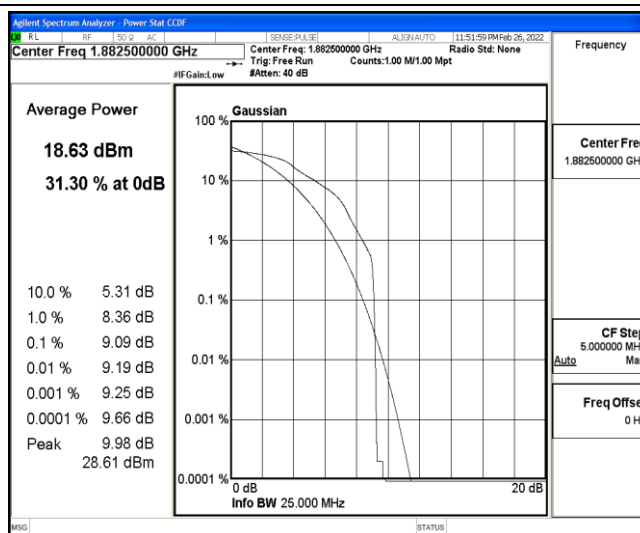
Band25-10MHz-16QAM-26640-6-0-High-11.62-<=13-PASS



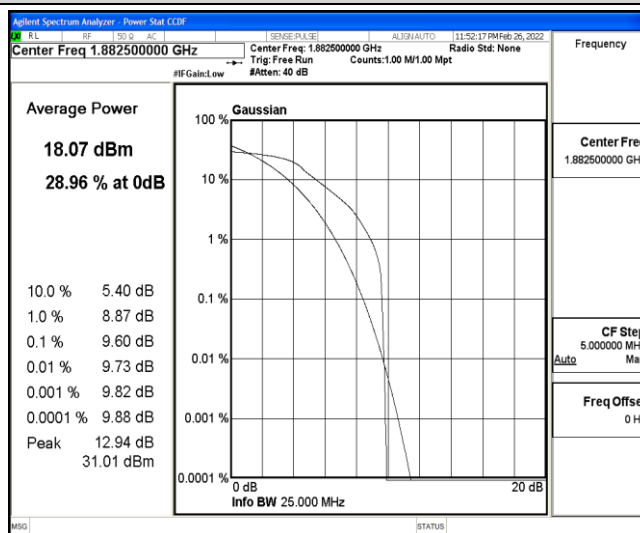
Band25-15MHz-QPSK-26115-1-0-Low-9.72-<=13-PASS



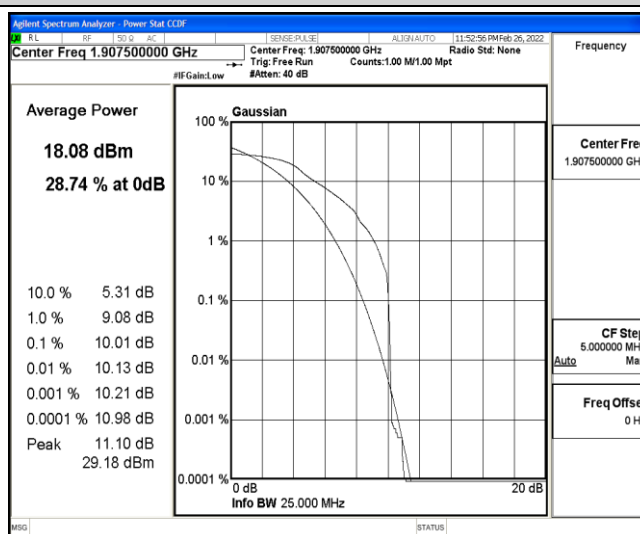
Band25-15MHz-QPSK-26115-6-0-Low-9.50-<=13-PASS



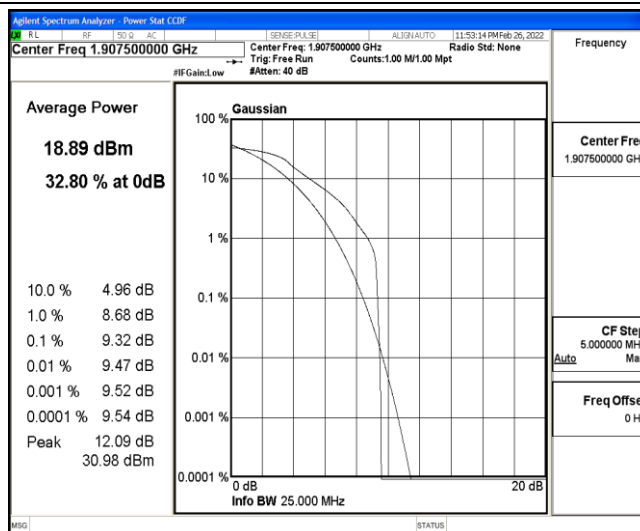
Band25-15MHz-QPSK-26365-1-0-Low-9.09-13-PASS



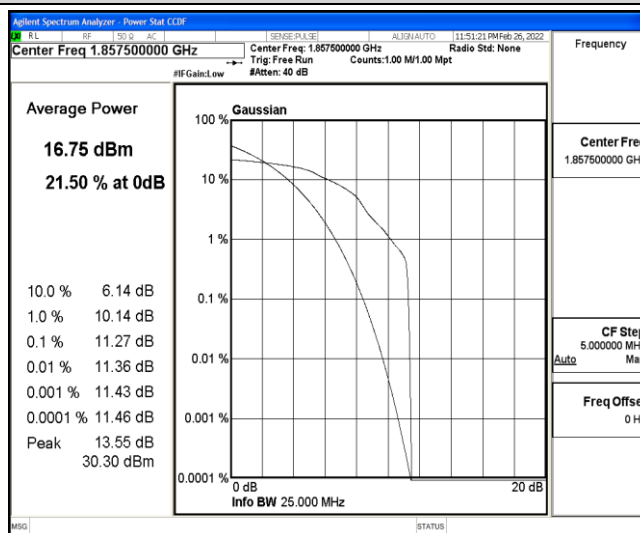
Band25-15MHz-QPSK-26365-6-0-Low-9.60-13-PASS



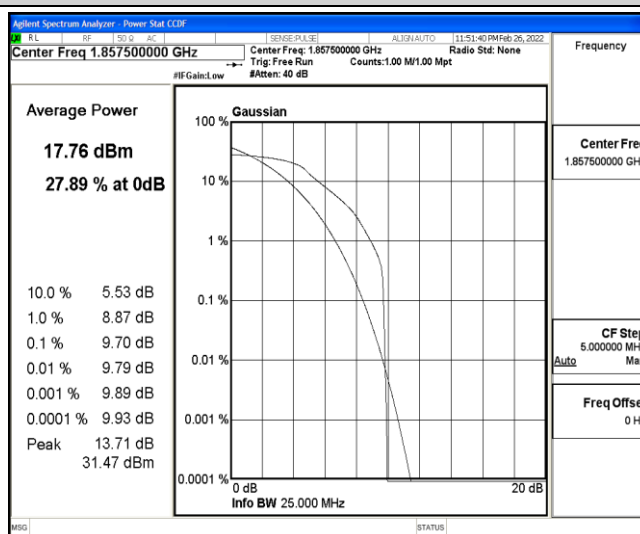
Band25-15MHz-QPSK-26615-1-0-High-10.01-13-PASS



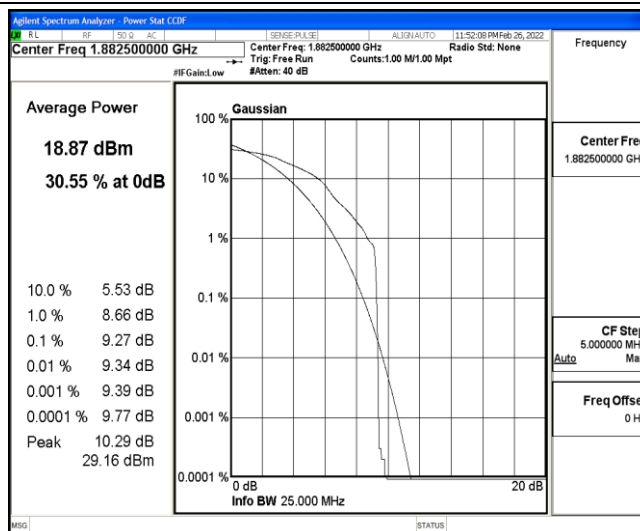
Band25-15MHz-QPSK-26615-6-0-High-9.32-<=13-PASS



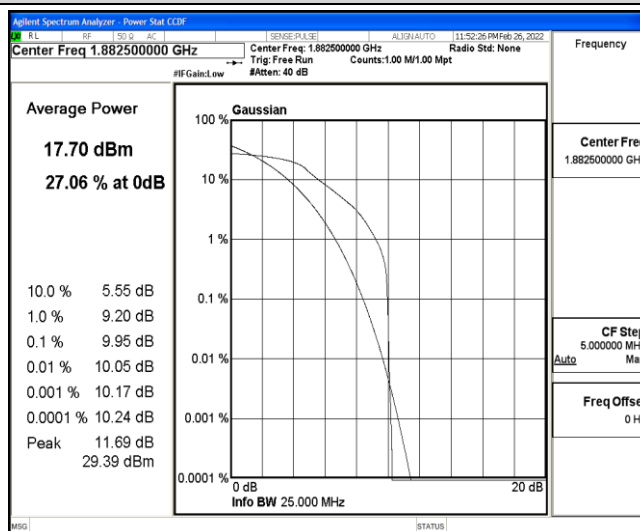
Band25-15MHz-16QAM-26115-1-0-Low-11.27-<=13-PASS



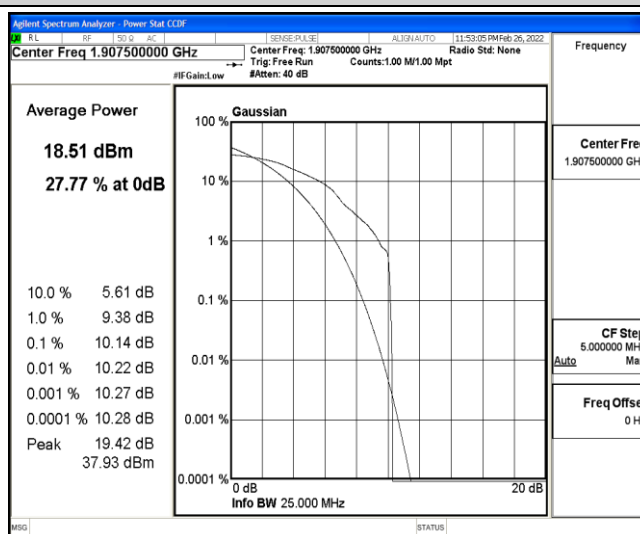
Band25-15MHz-16QAM-26115-6-0-Low-9.70-<=13-PASS



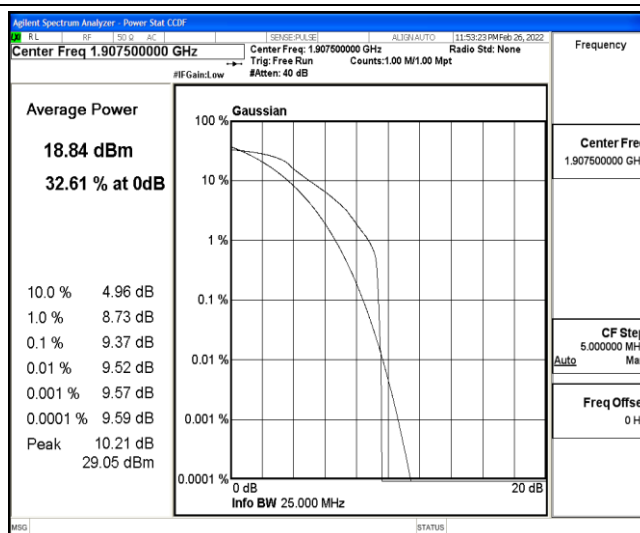
Band25-15MHz-16QAM-26365-1-0-Low-9.27-<=13-PASS



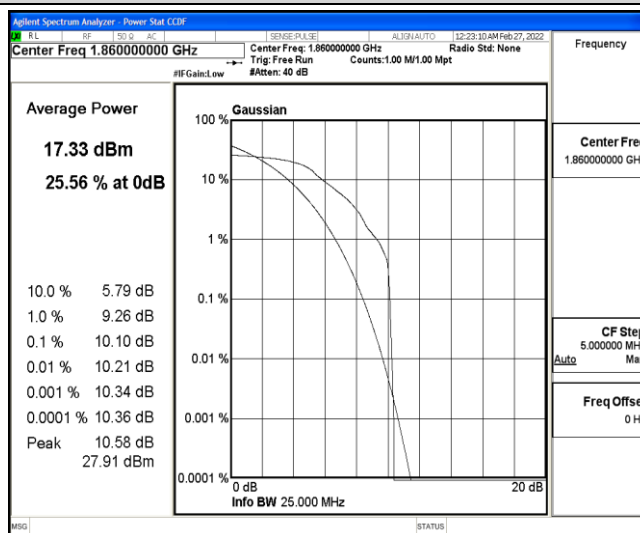
Band25-15MHz-16QAM-26365-6-0-Low-9.95-<=13-PASS



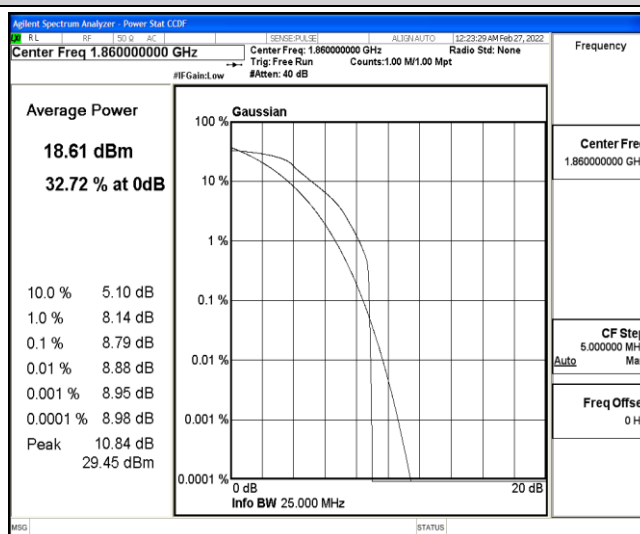
Band25-15MHz-16QAM-26615-1-0-High-10.14-<=13-PASS



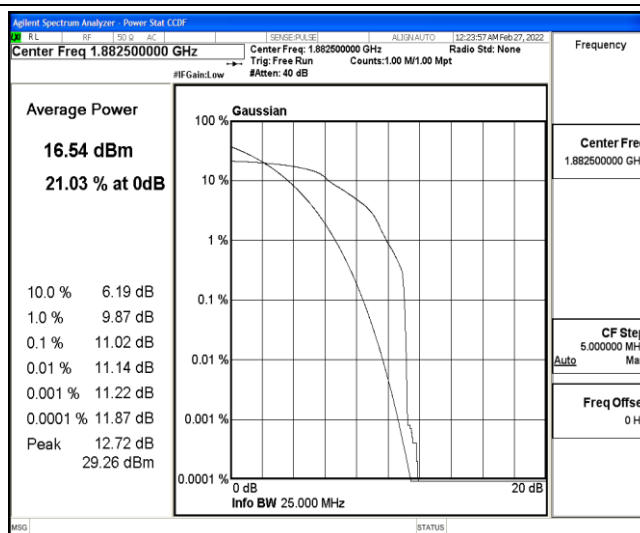
Band25-15MHz-16QAM-26615-6-0-High-9.37-<=13-PASS



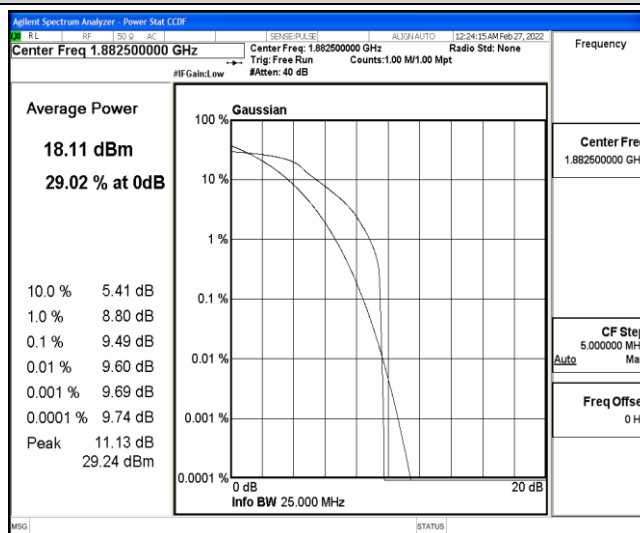
Band25-20MHz-QPSK-26140-1-0-Low-10.10-<=13-PASS



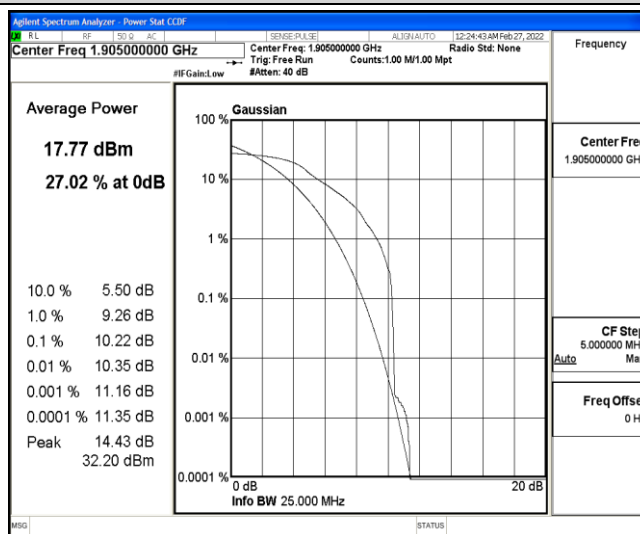
Band25-20MHz-QPSK-26140-6-0-Low-8.79-<=13-PASS



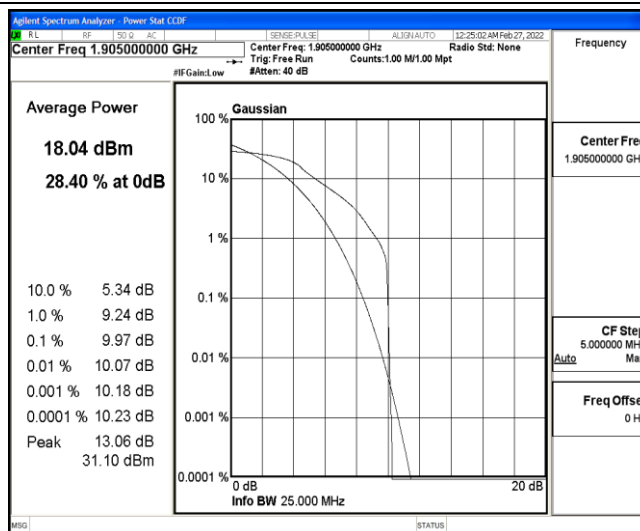
Band25-20MHz-QPSK-26365-1-0-Low-11.02-<=13-PASS



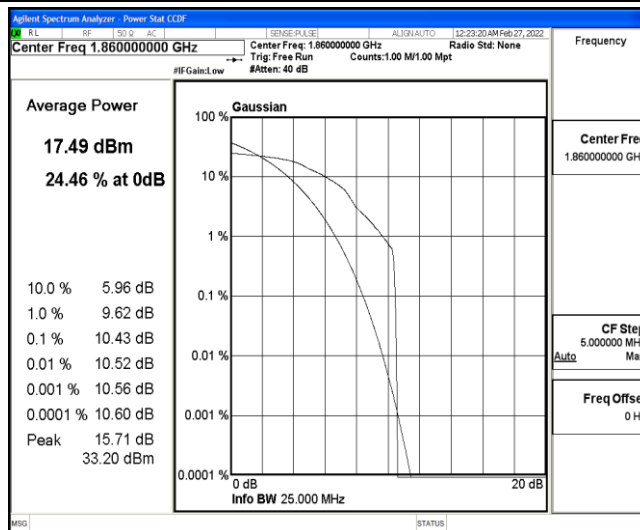
Band25-20MHz-QPSK-26365-6-0-Low-9.49-<=13-PASS



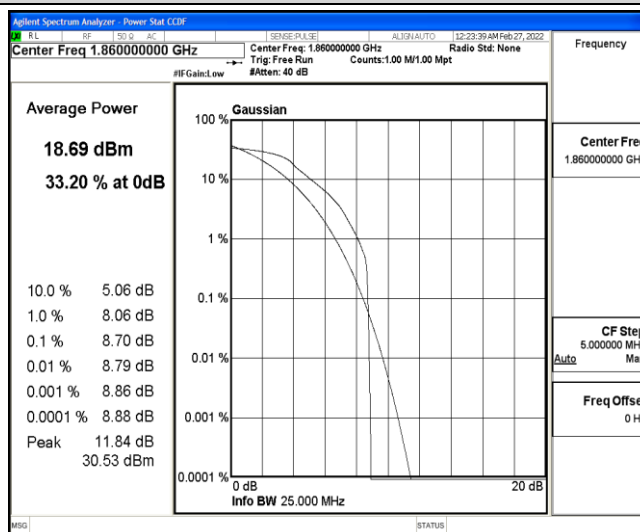
Band25-20MHz-QPSK-26590-1-0-High-10.22-<=13-PASS



Band25-20MHz-QPSK-26590-6-0-High-9.97-<=13-PASS



Band25-20MHz-16QAM-26140-1-0-Low-10.43-<=13-PASS



Band25-20MHz-16QAM-26140-6-0-Low-8.70-<=13-PASS