Appendix for Band 25

Report No.:	BCTC2309367965-2E
Applicant:	Arize Corporation
Product Name:	Smart Hub
Model/Type reference:	ASH120
Tested Date:	2023-09-26 to 2023-11-03
Issued Date:	2023-11-03

Shenzhen BCTC Testing Co., Ltd.

Contents

Appendix 1. Conducted output power 3
Appendix 2. Frequency stability..... 8
Appendix 3. Peak-to-Average Ratio 12
Appendix 4. Occupied bandwidth 27
Appendix 5. Band edge 42
Appendix 6. Out-of-band emissions 52

Appendix 1. Conducted output power

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)	Gain (dBm)	EIRP (dBm)	EIRP Limit (dBm)	Verdict
Band25	1.4	26047	1	#0	QPSK	22.05	2.27	24.32	37	PASS
Band25	1.4	26047	1	#Mid	QPSK	22.08	2.27	24.35	37	PASS
Band25	1.4	26047	1	#Max	QPSK	21.85	2.27	24.12	37	PASS
Band25	1.4	26047	3	#0	QPSK	22.02	2.27	24.29	37	PASS
Band25	1.4	26047	3	#Mid	QPSK	22.06	2.27	24.33	37	PASS
Band25	1.4	26047	3	#Max	QPSK	22.07	2.27	24.34	37	PASS
Band25	1.4	26047	6	#0	QPSK	21.07	2.27	23.34	37	PASS
Band25	1.4	26047	1	#0	16QAM	20.49	2.27	22.76	37	PASS
Band25	1.4	26047	1	#Mid	16QAM	20.38	2.27	22.65	37	PASS
Band25	1.4	26047	1	#Max	16QAM	20.23	2.27	22.50	37	PASS
Band25	1.4	26047	3	#0	16QAM	20.54	2.27	22.81	37	PASS
Band25	1.4	26047	3	#Mid	16QAM	20.41	2.27	22.68	37	PASS
Band25	1.4	26047	3	#Max	16QAM	20.33	2.27	22.60	37	PASS
Band25	1.4	26047	6	#0	16QAM	20.01	2.27	22.28	37	PASS
Band25	1.4	26365	1	#0	QPSK	21.89	2.27	24.16	37	PASS
Band25	1.4	26365	1	#Mid	QPSK	22.09	2.27	24.36	37	PASS
Band25	1.4	26365	1	#Max	QPSK	21.93	2.27	24.20	37	PASS
Band25	1.4	26365	3	#0	QPSK	21.82	2.27	24.09	37	PASS
Band25	1.4	26365	3	#Mid	QPSK	21.98	2.27	24.25	37	PASS
Band25	1.4	26365	3	#Max	QPSK	21.99	2.27	24.26	37	PASS
Band25	1.4	26365	6	#0	QPSK	20.93	2.27	23.20	37	PASS
Band25	1.4	26365	1	#0	16QAM	20.62	2.27	22.89	37	PASS
Band25	1.4	26365	1	#Mid	16QAM	20.82	2.27	23.09	37	PASS
Band25	1.4	26365	1	#Max	16QAM	20.83	2.27	23.10	37	PASS
Band25	1.4	26365	3	#0	16QAM	21.18	2.27	23.45	37	PASS
Band25	1.4	26365	3	#Mid	16QAM	21.14	2.27	23.41	37	PASS
Band25	1.4	26365	3	#Max	16QAM	21.14	2.27	23.41	37	PASS
Band25	1.4	26365	6	#0	16QAM	20.17	2.27	22.44	37	PASS
Band25	1.4	26683	1	#0	QPSK	21.89	2.27	24.16	37	PASS
Band25	1.4	26683	1	#Mid	QPSK	21.91	2.27	24.18	37	PASS
Band25	1.4	26683	1	#Max	QPSK	21.92	2.27	24.19	37	PASS
Band25	1.4	26683	3	#0	QPSK	21.83	2.27	24.10	37	PASS
Band25	1.4	26683	3	#Mid	QPSK	21.80	2.27	24.07	37	PASS
Band25	1.4	26683	3	#Max	QPSK	21.75	2.27	24.02	37	PASS
Band25	1.4	26683	6	#0	QPSK	20.80	2.27	23.07	37	PASS
Band25	1.4	26683	1	#0	16QAM	21.11	2.27	23.38	37	PASS
Band25	1.4	26683	1	#Mid	16QAM	20.58	2.27	22.85	37	PASS

Band25	1.4	26683	1	#Max	16QAM	20.55	2.27	22.82	37	PASS
Band25	1.4	26683	3	#0	16QAM	20.57	2.27	22.84	37	PASS
Band25	1.4	26683	3	#Mid	16QAM	20.54	2.27	22.81	37	PASS
Band25	1.4	26683	3	#Max	16QAM	20.57	2.27	22.84	37	PASS
Band25	1.4	26683	6	#0	16QAM	19.57	2.27	21.84	37	PASS
Band25	3	26055	1	#0	QPSK	21.88	2.27	24.15	37	PASS
Band25	3	26055	1	#Mid	QPSK	22.06	2.27	24.33	37	PASS
Band25	3	26055	1	#Max	QPSK	21.94	2.27	24.21	37	PASS
Band25	3	26055	8	#0	QPSK	20.85	2.27	23.12	37	PASS
Band25	3	26055	8	#Mid	QPSK	20.98	2.27	23.25	37	PASS
Band25	3	26055	8	#Max	QPSK	21.01	2.27	23.28	37	PASS
Band25	3	26055	15	#0	QPSK	20.87	2.27	23.14	37	PASS
Band25	3	26055	1	#0	16QAM	21.39	2.27	23.66	37	PASS
Band25	3	26055	1	#Mid	16QAM	21.37	2.27	23.64	37	PASS
Band25	3	26055	1	#Max	16QAM	21.47	2.27	23.74	37	PASS
Band25	3	26055	8	#0	16QAM	19.87	2.27	22.14	37	PASS
Band25	3	26055	8	#Mid	16QAM	19.96	2.27	22.23	37	PASS
Band25	3	26055	8	#Max	16QAM	20.01	2.27	22.28	37	PASS
Band25	3	26055	15	#0	16QAM	20.00	2.27	22.27	37	PASS
Band25	3	26365	1	#0	QPSK	21.80	2.27	24.07	37	PASS
Band25	3	26365	1	#Mid	QPSK	22.13	2.27	24.40	37	PASS
Band25	3	26365	1	#Max	QPSK	22.01	2.27	24.28	37	PASS
Band25	3	26365	8	#0	QPSK	20.96	2.27	23.23	37	PASS
Band25	3	26365	8	#Mid	QPSK	21.04	2.27	23.31	37	PASS
Band25	3	26365	8	#Max	QPSK	21.05	2.27	23.32	37	PASS
Band25	3	26365	15	#0	QPSK	21.00	2.27	23.27	37	PASS
Band25	3	26365	1	#0	16QAM	20.34	2.27	22.61	37	PASS
Band25	3	26365	1	#Mid	16QAM	20.64	2.27	22.91	37	PASS
Band25	3	26365	1	#Max	16QAM	20.54	2.27	22.81	37	PASS
Band25	3	26365	8	#0	16QAM	19.69	2.27	21.96	37	PASS
Band25	3	26365	8	#Mid	16QAM	19.77	2.27	22.04	37	PASS
Band25	3	26365	8	#Max	16QAM	19.65	2.27	21.92	37	PASS
Band25	3	26365	15	#0	16QAM	19.83	2.27	22.10	37	PASS
Band25	3	26675	1	#0	QPSK	21.74	2.27	24.01	37	PASS
Band25	3	26675	1	#Mid	QPSK	21.65	2.27	23.92	37	PASS
Band25	3	26675	1	#Max	QPSK	21.70	2.27	23.97	37	PASS
Band25	3	26675	8	#0	QPSK	20.87	2.27	23.14	37	PASS
Band25	3	26675	8	#Mid	QPSK	20.84	2.27	23.11	37	PASS
Band25	3	26675	8	#Max	QPSK	20.88	2.27	23.15	37	PASS
Band25	3	26675	15	#0	QPSK	20.93	2.27	23.20	37	PASS
Band25	3	26675	1	#0	16QAM	20.80	2.27	23.07	37	PASS
Band25	3	26675	1	#Mid	16QAM	20.65	2.27	22.92	37	PASS

Band25	3	26675	1	#Max	16QAM	20.44	2.27	22.71	37	PASS
Band25	3	26675	8	#0	16QAM	19.78	2.27	22.05	37	PASS
Band25	3	26675	8	#Mid	16QAM	19.78	2.27	22.05	37	PASS
Band25	3	26675	8	#Max	16QAM	19.65	2.27	21.92	37	PASS
Band25	3	26675	15	#0	16QAM	19.79	2.27	22.06	37	PASS
Band25	5	26065	1	#0	QPSK	21.82	2.27	24.09	37	PASS
Band25	5	26065	1	#Mid	QPSK	22.09	2.27	24.36	37	PASS
Band25	5	26065	1	#Max	QPSK	21.79	2.27	24.06	37	PASS
Band25	5	26065	12	#0	QPSK	20.84	2.27	23.11	37	PASS
Band25	5	26065	12	#Mid	QPSK	21.00	2.27	23.27	37	PASS
Band25	5	26065	12	#Max	QPSK	21.00	2.27	23.27	37	PASS
Band25	5	26065	25	#0	QPSK	20.97	2.27	23.24	37	PASS
Band25	5	26065	1	#0	16QAM	20.92	2.27	23.19	37	PASS
Band25	5	26065	1	#Mid	16QAM	21.17	2.27	23.44	37	PASS
Band25	5	26065	1	#Max	16QAM	21.09	2.27	23.36	37	PASS
Band25	5	26065	12	#0	16QAM	19.66	2.27	21.93	37	PASS
Band25	5	26065	12	#Mid	16QAM	19.83	2.27	22.10	37	PASS
Band25	5	26065	12	#Max	16QAM	19.86	2.27	22.13	37	PASS
Band25	5	26065	25	#0	16QAM	20.01	2.27	22.28	37	PASS
Band25	5	26365	1	#0	QPSK	21.78	2.27	24.05	37	PASS
Band25	5	26365	1	#Mid	QPSK	21.97	2.27	24.24	37	PASS
Band25	5	26365	1	#Max	QPSK	21.79	2.27	24.06	37	PASS
Band25	5	26365	12	#0	QPSK	20.87	2.27	23.14	37	PASS
Band25	5	26365	12	#Mid	QPSK	20.90	2.27	23.17	37	PASS
Band25	5	26365	12	#Max	QPSK	20.90	2.27	23.17	37	PASS
Band25	5	26365	25	#0	QPSK	20.84	2.27	23.11	37	PASS
Band25	5	26365	1	#0	16QAM	20.63	2.27	22.90	37	PASS
Band25	5	26365	1	#Mid	16QAM	20.71	2.27	22.98	37	PASS
Band25	5	26365	1	#Max	16QAM	20.68	2.27	22.95	37	PASS
Band25	5	26365	12	#0	16QAM	19.58	2.27	21.85	37	PASS
Band25	5	26365	12	#Mid	16QAM	19.58	2.27	21.85	37	PASS
Band25	5	26365	12	#Max	16QAM	19.59	2.27	21.86	37	PASS
Band25	5	26365	25	#0	16QAM	19.75	2.27	22.02	37	PASS
Band25	5	26665	1	#0	QPSK	21.78	2.27	24.05	37	PASS
Band25	5	26665	1	#Mid	QPSK	21.88	2.27	24.15	37	PASS
Band25	5	26665	1	#Max	QPSK	21.67	2.27	23.94	37	PASS
Band25	5	26665	12	#0	QPSK	20.78	2.27	23.05	37	PASS
Band25	5	26665	12	#Mid	QPSK	20.75	2.27	23.02	37	PASS
Band25	5	26665	12	#Max	QPSK	20.72	2.27	22.99	37	PASS
Band25	5	26665	25	#0	QPSK	20.78	2.27	23.05	37	PASS
Band25	5	26665	1	#0	16QAM	20.74	2.27	23.01	37	PASS
Band25	5	26665	1	#Mid	16QAM	20.27	2.27	22.54	37	PASS

Band25	5	26665	1	#Max	16QAM	20.05	2.27	22.32	37	PASS
Band25	5	26665	12	#0	16QAM	19.92	2.27	22.19	37	PASS
Band25	5	26665	12	#Mid	16QAM	19.64	2.27	21.91	37	PASS
Band25	5	26665	12	#Max	16QAM	19.58	2.27	21.85	37	PASS
Band25	5	26665	25	#0	16QAM	19.99	2.27	22.26	37	PASS
Band25	10	26090	1	#0	QPSK	21.92	2.27	24.19	37	PASS
Band25	10	26090	1	#Mid	QPSK	22.07	2.27	24.34	37	PASS
Band25	10	26090	1	#Max	QPSK	22.02	2.27	24.29	37	PASS
Band25	10	26090	25	#0	QPSK	20.98	2.27	23.25	37	PASS
Band25	10	26090	25	#Mid	QPSK	20.97	2.27	23.24	37	PASS
Band25	10	26090	25	#Max	QPSK	20.96	2.27	23.23	37	PASS
Band25	10	26090	50	#0	QPSK	20.92	2.27	23.19	37	PASS
Band25	10	26365	1	#0	QPSK	21.86	2.27	24.13	37	PASS
Band25	10	26365	1	#Mid	QPSK	22.09	2.27	24.36	37	PASS
Band25	10	26365	1	#Max	QPSK	21.90	2.27	24.17	37	PASS
Band25	10	26365	25	#0	QPSK	20.83	2.27	23.10	37	PASS
Band25	10	26365	25	#Mid	QPSK	21.01	2.27	23.28	37	PASS
Band25	10	26365	25	#Max	QPSK	20.82	2.27	23.09	37	PASS
Band25	10	26365	50	#0	QPSK	20.83	2.27	23.10	37	PASS
Band25	10	26640	1	#0	QPSK	21.83	2.27	24.10	37	PASS
Band25	10	26640	1	#Mid	QPSK	22.17	2.27	24.44	37	PASS
Band25	10	26640	1	#Max	QPSK	21.79	2.27	24.06	37	PASS
Band25	10	26640	25	#0	QPSK	20.86	2.27	23.13	37	PASS
Band25	10	26640	25	#Mid	QPSK	20.80	2.27	23.07	37	PASS
Band25	10	26640	25	#Max	QPSK	20.68	2.27	22.95	37	PASS
Band25	10	26640	50	#0	QPSK	20.89	2.27	23.16	37	PASS
Band25	15	26115	1	#0	QPSK	21.92	2.27	24.19	37	PASS
Band25	15	26115	1	#Mid	QPSK	22.28	2.27	24.55	37	PASS
Band25	15	26115	1	#Max	QPSK	21.96	2.27	24.23	37	PASS
Band25	15	26115	36	#0	QPSK	21.02	2.27	23.29	37	PASS
Band25	15	26115	36	#Mid	QPSK	21.04	2.27	23.31	37	PASS
Band25	15	26115	36	#Max	QPSK	21.05	2.27	23.32	37	PASS
Band25	15	26365	1	#0	QPSK	22.03	2.27	24.30	37	PASS
Band25	15	26365	1	#Mid	QPSK	22.31	2.27	24.58	37	PASS
Band25	15	26365	1	#Max	QPSK	22.05	2.27	24.32	37	PASS
Band25	15	26365	36	#0	QPSK	20.86	2.27	23.13	37	PASS
Band25	15	26365	36	#Mid	QPSK	20.97	2.27	23.24	37	PASS
Band25	15	26365	36	#Max	QPSK	20.82	2.27	23.09	37	PASS
Band25	15	26615	1	#0	QPSK	21.79	2.27	24.06	37	PASS
Band25	15	26615	1	#Mid	QPSK	22.06	2.27	24.33	37	PASS
Band25	15	26615	1	#Max	QPSK	21.55	2.27	23.82	37	PASS
Band25	15	26615	36	#0	QPSK	20.89	2.27	23.16	37	PASS

Band25	15	26615	36	#Mid	QPSK	20.87	2.27	23.14	37	PASS
Band25	15	26615	36	#Max	QPSK	20.76	2.27	23.03	37	PASS
Band25	20	26140	1	#0	QPSK	21.80	2.27	24.07	37	PASS
Band25	20	26140	1	#Mid	QPSK	22.16	2.27	24.43	37	PASS
Band25	20	26140	1	#Max	QPSK	21.70	2.27	23.97	37	PASS
Band25	20	26140	50	#0	QPSK	20.95	2.27	23.22	37	PASS
Band25	20	26140	50	#Mid	QPSK	21.00	2.27	23.27	37	PASS
Band25	20	26140	50	#Max	QPSK	20.98	2.27	23.25	37	PASS
Band25	20	26365	1	#0	QPSK	22.31	2.27	24.58	37	PASS
Band25	20	26365	1	#Mid	QPSK	22.28	2.27	24.55	37	PASS
Band25	20	26365	1	#Max	QPSK	22.24	2.27	24.51	37	PASS
Band25	20	26365	50	#0	QPSK	20.77	2.27	23.04	37	PASS
Band25	20	26365	50	#Mid	QPSK	20.94	2.27	23.21	37	PASS
Band25	20	26365	50	#Max	QPSK	20.79	2.27	23.06	37	PASS
Band25	20	26590	1	#0	QPSK	21.86	2.27	24.13	37	PASS
Band25	20	26590	1	#Mid	QPSK	22.03	2.27	24.30	37	PASS
Band25	20	26590	1	#Max	QPSK	21.85	2.27	24.12	37	PASS
Band25	20	26590	50	#0	QPSK	20.87	2.27	23.14	37	PASS
Band25	20	26590	50	#Mid	QPSK	20.85	2.27	23.12	37	PASS
Band25	20	26590	50	#Max	QPSK	20.74	2.27	23.01	37	PASS

Appendix 2. Frequency stability

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Voltage (Vdc)	Temperature (C)	Result (Hz)	Result (ppm)	Low Limit (ppm)	high Limit (ppm)	Verdict
Band25	1.4	26047	6	#0	QPSK	LV	NT	-3.78	-0.002	-2.5	2.5	PASS
Band25	1.4	26047	6	#0	QPSK	NV	NT	-2.32	-0.001	-2.5	2.5	PASS
Band25	1.4	26047	6	#0	QPSK	HV	NT	-3.32	-0.002	-2.5	2.5	PASS
Band25	1.4	26047	6	#0	16QAM	LV	NT	-1.79	-0.001	-2.5	2.5	PASS
Band25	1.4	26047	6	#0	16QAM	NV	NT	-1.47	-0.001	-2.5	2.5	PASS
Band25	1.4	26047	6	#0	16QAM	HV	NT	-1.89	-0.001	-2.5	2.5	PASS
Band25	1.4	26365	6	#0	QPSK	LV	NT	-0.09	0.000	-2.5	2.5	PASS
Band25	1.4	26365	6	#0	QPSK	NV	NT	-0.36	0.000	-2.5	2.5	PASS
Band25	1.4	26365	6	#0	QPSK	HV	NT	1.16	0.001	-2.5	2.5	PASS
Band25	1.4	26365	6	#0	16QAM	LV	NT	1.37	0.001	-2.5	2.5	PASS
Band25	1.4	26365	6	#0	16QAM	NV	NT	1.22	0.001	-2.5	2.5	PASS
Band25	1.4	26365	6	#0	16QAM	HV	NT	-0.59	0.000	-2.5	2.5	PASS
Band25	1.4	26683	6	#0	QPSK	LV	NT	-5.15	-0.003	-2.5	2.5	PASS
Band25	1.4	26683	6	#0	QPSK	NV	NT	-3.50	-0.002	-2.5	2.5	PASS
Band25	1.4	26683	6	#0	QPSK	HV	NT	-3.30	-0.002	-2.5	2.5	PASS
Band25	1.4	26683	6	#0	16QAM	LV	NT	-1.43	-0.001	-2.5	2.5	PASS
Band25	1.4	26683	6	#0	16QAM	NV	NT	-1.83	-0.001	-2.5	2.5	PASS
Band2	1.4	26683	6	#0	16QAM	HV	NT	-2.37	-0.00	-2.5	2.5	PASS

5									1			
Band25	3	26055	15	#0	QPSK	LV	NT	-1.97	-0.001	-2.5	2.5	PASS
Band25	3	26055	15	#0	QPSK	NV	NT	-2.85	-0.002	-2.5	2.5	PASS
Band25	3	26055	15	#0	QPSK	HV	NT	-3.35	-0.002	-2.5	2.5	PASS
Band25	3	26055	15	#0	16QAM	LV	NT	-2.83	-0.002	-2.5	2.5	PASS
Band25	3	26055	15	#0	16QAM	NV	NT	-2.29	-0.001	-2.5	2.5	PASS
Band25	3	26055	15	#0	16QAM	HV	NT	-3.03	-0.002	-2.5	2.5	PASS
Band25	3	26365	15	#0	QPSK	LV	NT	0.46	0.000	-2.5	2.5	PASS
Band25	3	26365	15	#0	QPSK	NV	NT	-0.99	-0.001	-2.5	2.5	PASS
Band25	3	26365	15	#0	QPSK	HV	NT	-0.07	0.000	-2.5	2.5	PASS
Band25	3	26365	15	#0	16QAM	LV	NT	-1.77	-0.001	-2.5	2.5	PASS
Band25	3	26365	15	#0	16QAM	NV	NT	-0.50	0.000	-2.5	2.5	PASS
Band25	3	26365	15	#0	16QAM	HV	NT	-0.49	0.000	-2.5	2.5	PASS
Band25	3	26675	15	#0	QPSK	LV	NT	-3.10	-0.002	-2.5	2.5	PASS
Band25	3	26675	15	#0	QPSK	NV	NT	-4.05	-0.002	-2.5	2.5	PASS
Band25	3	26675	15	#0	QPSK	HV	NT	-3.39	-0.002	-2.5	2.5	PASS
Band25	3	26675	15	#0	16QAM	LV	NT	-5.25	-0.003	-2.5	2.5	PASS
Band25	3	26675	15	#0	16QAM	NV	NT	-3.45	-0.002	-2.5	2.5	PASS
Band25	3	26675	15	#0	16QAM	HV	NT	-2.57	-0.001	-2.5	2.5	PASS
Band25	5	26065	25	#0	QPSK	LV	NT	-2.98	-0.002	-2.5	2.5	PASS
Band25	5	26065	25	#0	QPSK	NV	NT	-3.10	-0.002	-2.5	2.5	PASS
Band25	5	26065	25	#0	QPSK	HV	NT	-2.23	-0.001	-2.5	2.5	PASS

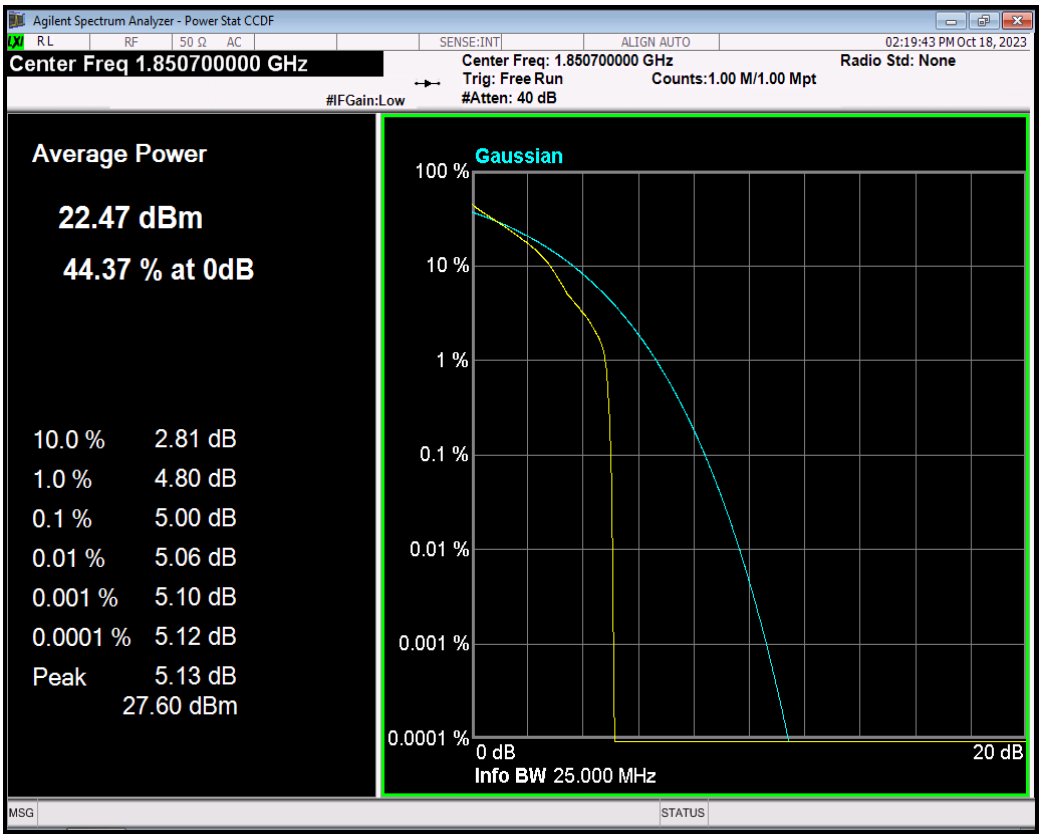
Band25	5	26065	25	#0	16QAM	LV	NT	-2.22	-0.001	-2.5	2.5	PASS
Band25	5	26065	25	#0	16QAM	NV	NT	-0.53	0.000	-2.5	2.5	PASS
Band25	5	26065	25	#0	16QAM	HV	NT	-3.53	-0.002	-2.5	2.5	PASS
Band25	5	26365	25	#0	QPSK	LV	NT	1.19	0.001	-2.5	2.5	PASS
Band25	5	26365	25	#0	QPSK	NV	NT	0.90	0.000	-2.5	2.5	PASS
Band25	5	26365	25	#0	QPSK	HV	NT	0.10	0.000	-2.5	2.5	PASS
Band25	5	26365	25	#0	16QAM	LV	NT	-0.13	0.000	-2.5	2.5	PASS
Band25	5	26365	25	#0	16QAM	NV	NT	-0.63	0.000	-2.5	2.5	PASS
Band25	5	26365	25	#0	16QAM	HV	NT	0.49	0.000	-2.5	2.5	PASS
Band25	5	26665	25	#0	QPSK	LV	NT	-2.15	-0.001	-2.5	2.5	PASS
Band25	5	26665	25	#0	QPSK	NV	NT	-3.36	-0.002	-2.5	2.5	PASS
Band25	5	26665	25	#0	QPSK	HV	NT	-3.85	-0.002	-2.5	2.5	PASS
Band25	5	26665	25	#0	16QAM	LV	NT	-4.13	-0.002	-2.5	2.5	PASS
Band25	5	26665	25	#0	16QAM	NV	NT	-3.18	-0.002	-2.5	2.5	PASS
Band25	5	26665	25	#0	16QAM	HV	NT	-1.03	-0.001	-2.5	2.5	PASS
Band25	10	26090	50	#0	QPSK	LV	NT	-3.32	-0.002	-2.5	2.5	PASS
Band25	10	26090	50	#0	QPSK	NV	NT	-2.78	-0.001	-2.5	2.5	PASS
Band25	10	26090	50	#0	QPSK	HV	NT	-2.92	-0.002	-2.5	2.5	PASS
Band25	10	26365	50	#0	QPSK	LV	NT	1.59	0.001	-2.5	2.5	PASS
Band25	10	26365	50	#0	QPSK	NV	NT	1.59	0.001	-2.5	2.5	PASS
Band25	10	26365	50	#0	QPSK	HV	NT	1.36	0.001	-2.5	2.5	PASS
Band2	10	26640	50	#0	QPSK	LV	NT	-1.60	-0.00	-2.5	2.5	PASS

5									1			
Band25	10	26640	50	#0	QPSK	NV	NT	-1.62	-0.001	-2.5	2.5	PASS
Band25	10	26640	50	#0	QPSK	HV	NT	-1.92	-0.001	-2.5	2.5	PASS
Band25	15	26115	75	#0	QPSK	LV	NT	-4.46	-0.002	-2.5	2.5	PASS
Band25	15	26115	75	#0	QPSK	NV	NT	-4.62	-0.002	-2.5	2.5	PASS
Band25	15	26115	75	#0	QPSK	HV	NT	-4.35	-0.002	-2.5	2.5	PASS
Band25	15	26365	75	#0	QPSK	LV	NT	0.23	0.000	-2.5	2.5	PASS
Band25	15	26365	75	#0	QPSK	NV	NT	-0.04	0.000	-2.5	2.5	PASS
Band25	15	26365	75	#0	QPSK	HV	NT	0.99	0.001	-2.5	2.5	PASS
Band25	15	26615	75	#0	QPSK	LV	NT	1.10	0.001	-2.5	2.5	PASS
Band25	15	26615	75	#0	QPSK	NV	NT	0.10	0.000	-2.5	2.5	PASS
Band25	15	26615	75	#0	QPSK	HV	NT	-0.57	0.000	-2.5	2.5	PASS
Band25	20	26140	100	#0	QPSK	LV	NT	1.33	0.001	-2.5	2.5	PASS
Band25	20	26140	100	#0	QPSK	NV	NT	-0.17	0.000	-2.5	2.5	PASS
Band25	20	26140	100	#0	QPSK	HV	NT	0.50	0.000	-2.5	2.5	PASS
Band25	20	26365	100	#0	QPSK	LV	NT	2.45	0.001	-2.5	2.5	PASS
Band25	20	26365	100	#0	QPSK	NV	NT	0.50	0.000	-2.5	2.5	PASS
Band25	20	26365	100	#0	QPSK	HV	NT	0.67	0.000	-2.5	2.5	PASS
Band25	20	26590	100	#0	QPSK	LV	NT	0.64	0.000	-2.5	2.5	PASS
Band25	20	26590	100	#0	QPSK	NV	NT	1.02	0.001	-2.5	2.5	PASS
Band25	20	26590	100	#0	QPSK	HV	NT	1.22	0.001	-2.5	2.5	PASS

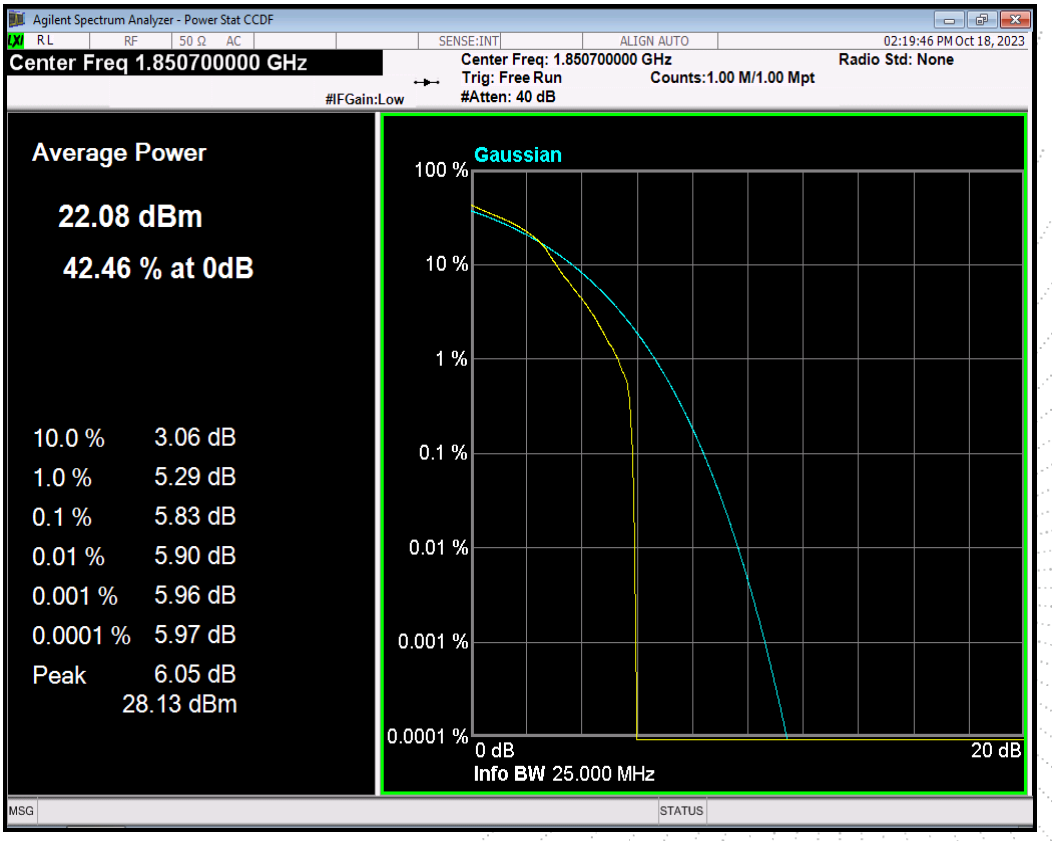
Appendix 3. Peak-to-Average Ratio

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Result (dB)	high Limit (dB)	Verdict
Band25	1.4	26047	1	#0	QPSK	5.00	13	PASS
Band25	1.4	26047	1	#0	16QAM	5.83	13	PASS
Band25	1.4	26365	1	#0	QPSK	5.25	13	PASS
Band25	1.4	26365	1	#0	16QAM	6.24	13	PASS
Band25	1.4	26683	1	#0	QPSK	4.53	13	PASS
Band25	1.4	26683	1	#0	16QAM	5.53	13	PASS
Band25	3	26055	1	#0	QPSK	5.05	13	PASS
Band25	3	26055	1	#0	16QAM	5.90	13	PASS
Band25	3	26365	1	#0	QPSK	5.30	13	PASS
Band25	3	26365	1	#0	16QAM	6.24	13	PASS
Band25	3	26675	1	#0	QPSK	4.57	13	PASS
Band25	3	26675	1	#0	16QAM	5.50	13	PASS
Band25	5	26065	1	#0	QPSK	4.99	13	PASS
Band25	5	26065	1	#0	16QAM	6.04	13	PASS
Band25	5	26365	1	#0	QPSK	5.24	13	PASS
Band25	5	26365	1	#0	16QAM	6.06	13	PASS
Band25	5	26665	1	#0	QPSK	4.70	13	PASS
Band25	5	26665	1	#0	16QAM	5.56	13	PASS
Band25	10	26090	1	#0	QPSK	4.97	13	PASS
Band25	10	26365	1	#0	QPSK	5.10	13	PASS
Band25	10	26640	1	#0	QPSK	4.85	13	PASS
Band25	15	26115	1	#0	QPSK	4.96	13	PASS
Band25	15	26365	1	#0	QPSK	4.97	13	PASS
Band25	15	26615	1	#0	QPSK	5.03	13	PASS
Band25	20	26140	1	#0	QPSK	4.99	13	PASS
Band25	20	26365	1	#0	QPSK	5.06	13	PASS
Band25	20	26590	1	#0	QPSK	4.94	13	PASS

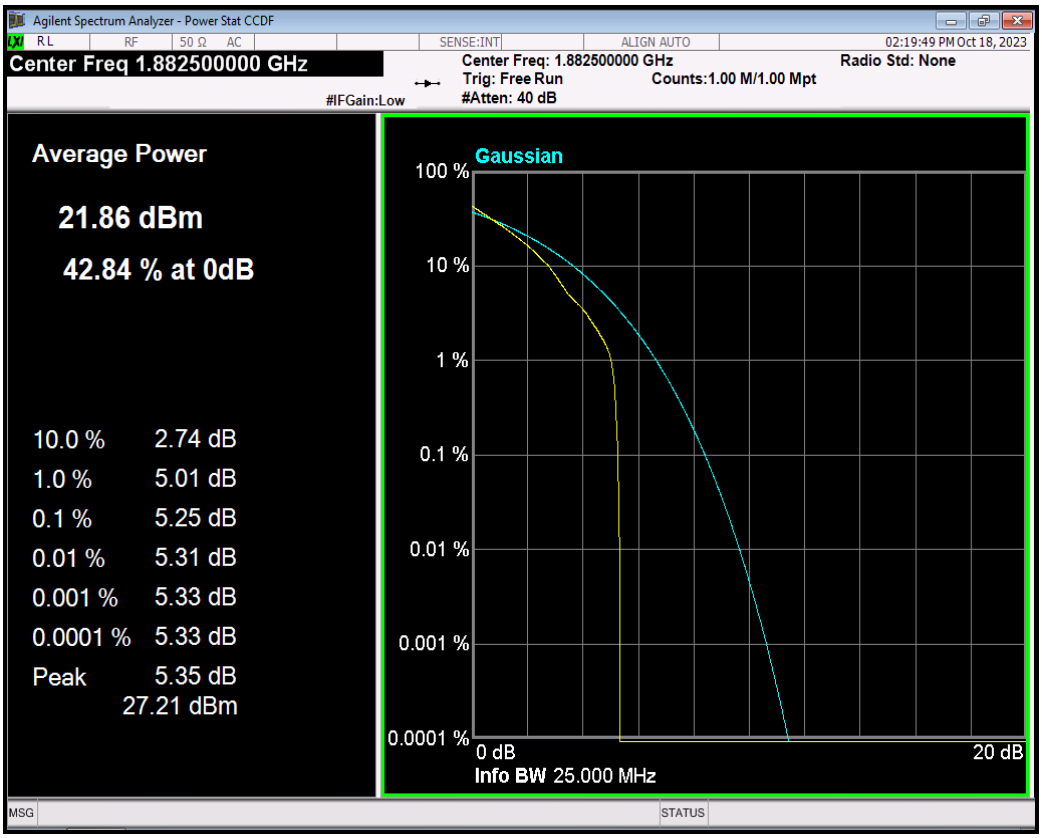
Band25 QPSK BW=1.4MHz Channel=26047 RB Size=1 Position=#0



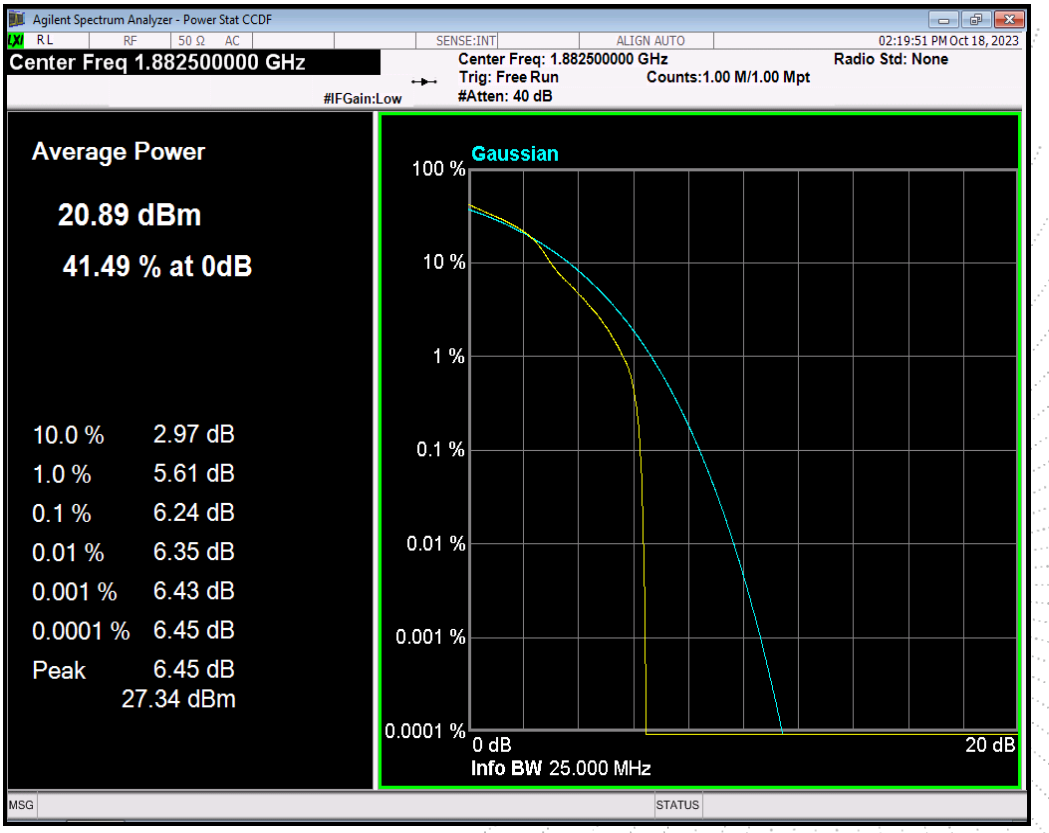
Band25 16QAM BW=1.4MHz Channel=26047 RB Size=1 Position=#0



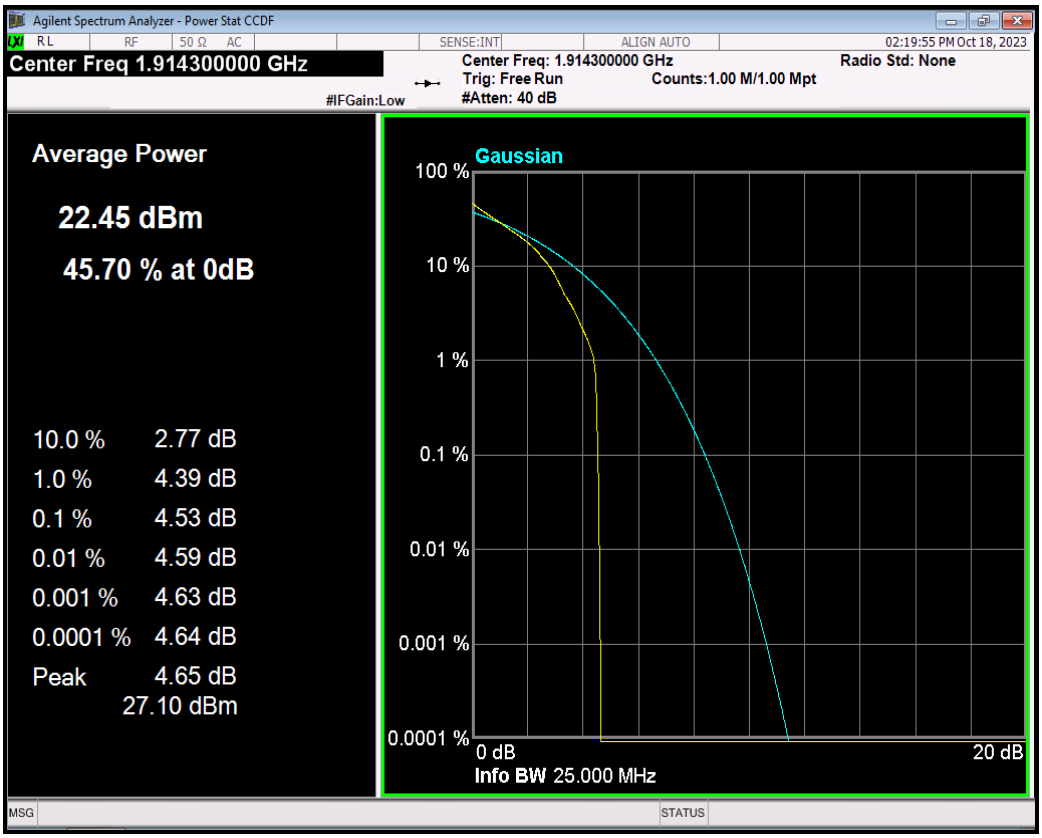
Band25 QPSK BW=1.4MHz Channel=26365 RB Size=1 Position=#0



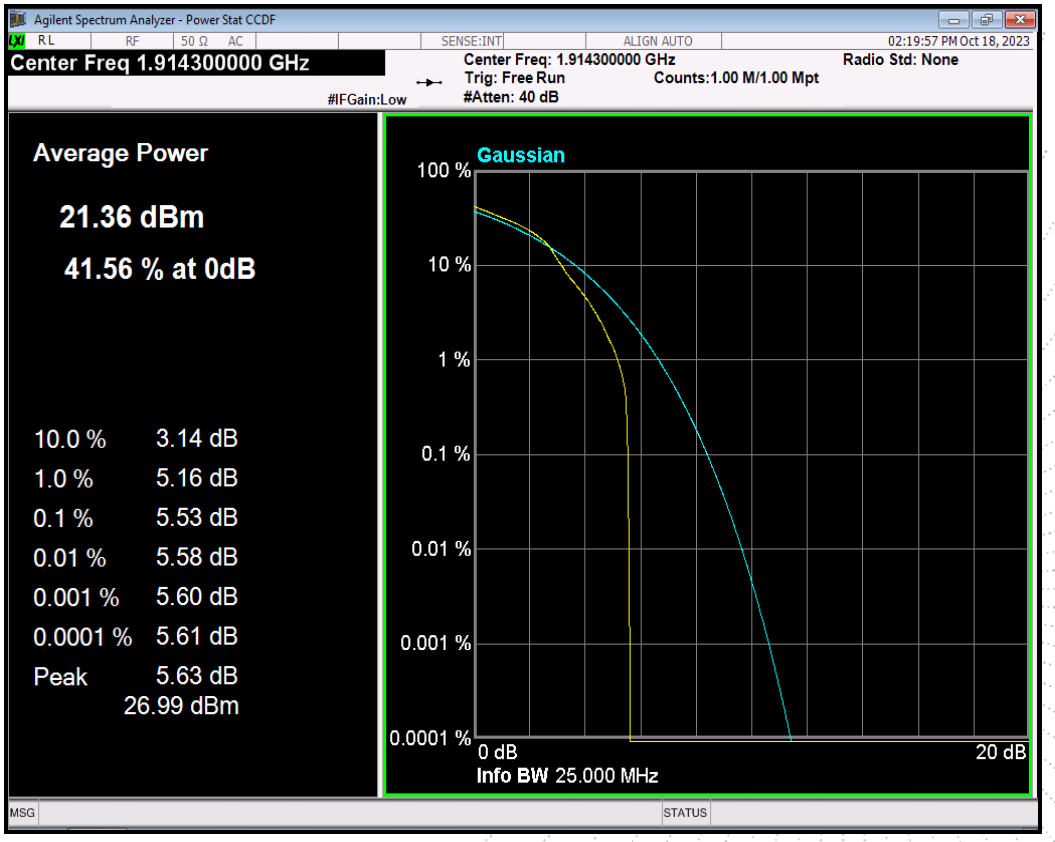
Band25 16QAM BW=1.4MHz Channel=26365 RB Size=1 Position=#0



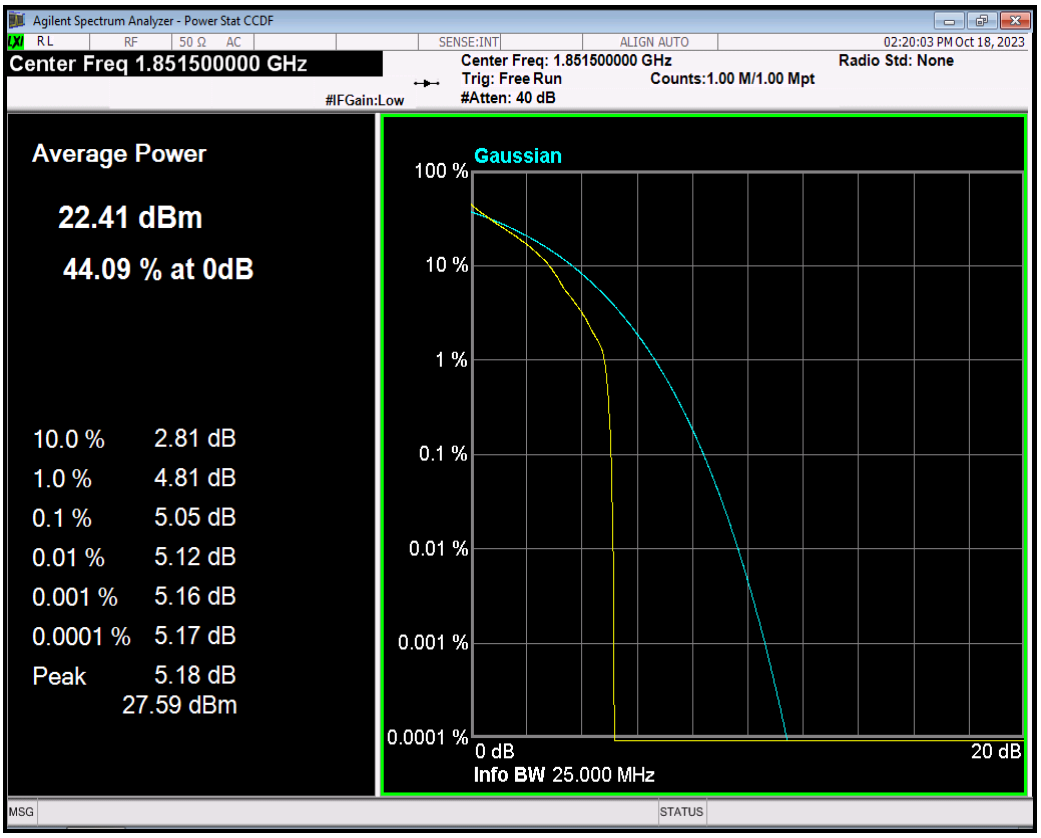
Band25 QPSK BW=1.4MHz Channel=26683 RB Size=1 Position=#0



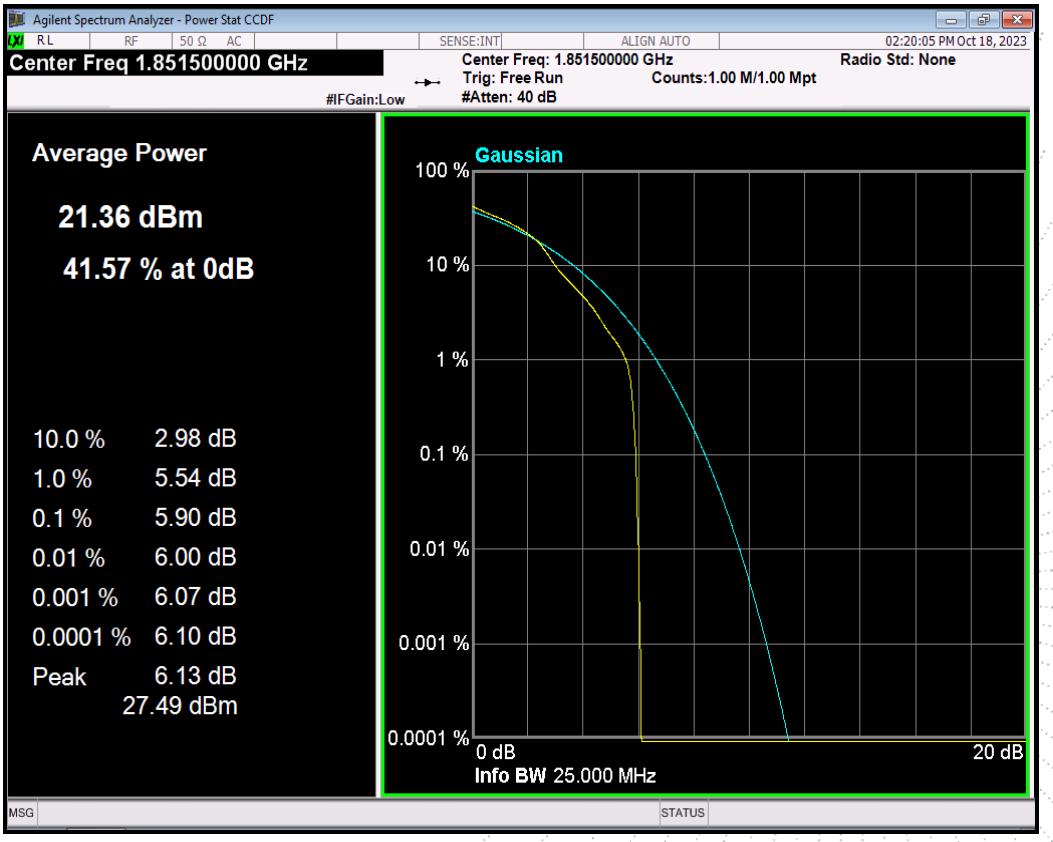
Band25 16QAM BW=1.4MHz Channel=26683 RB Size=1 Position=#0



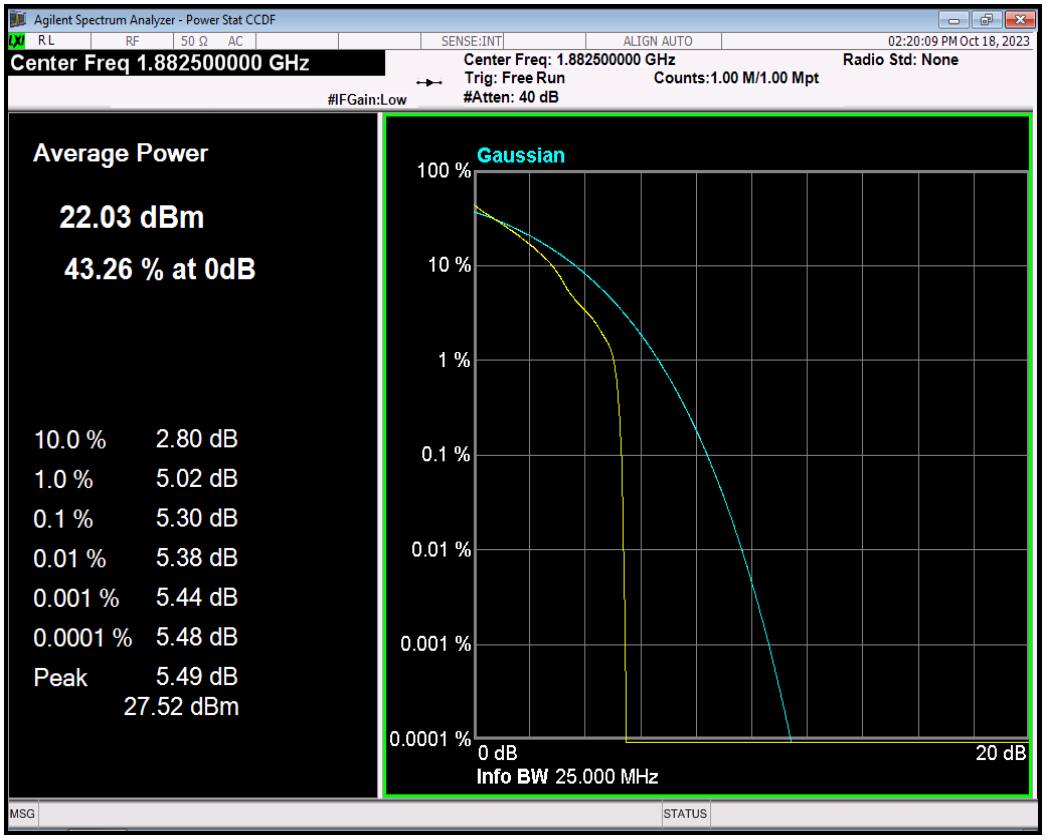
Band25 QPSK BW=3MHz Channel=26055 RB Size=1 Position=#0



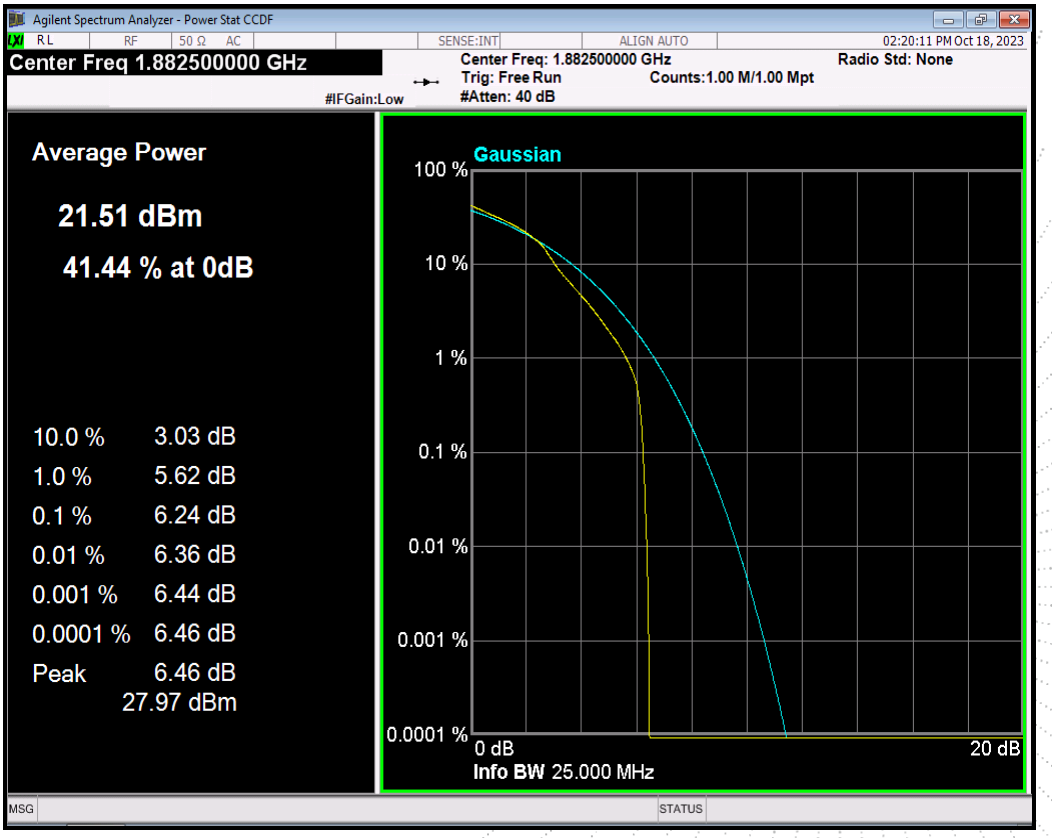
Band25 16QAM BW=3MHz Channel=26055 RB Size=1 Position=#0



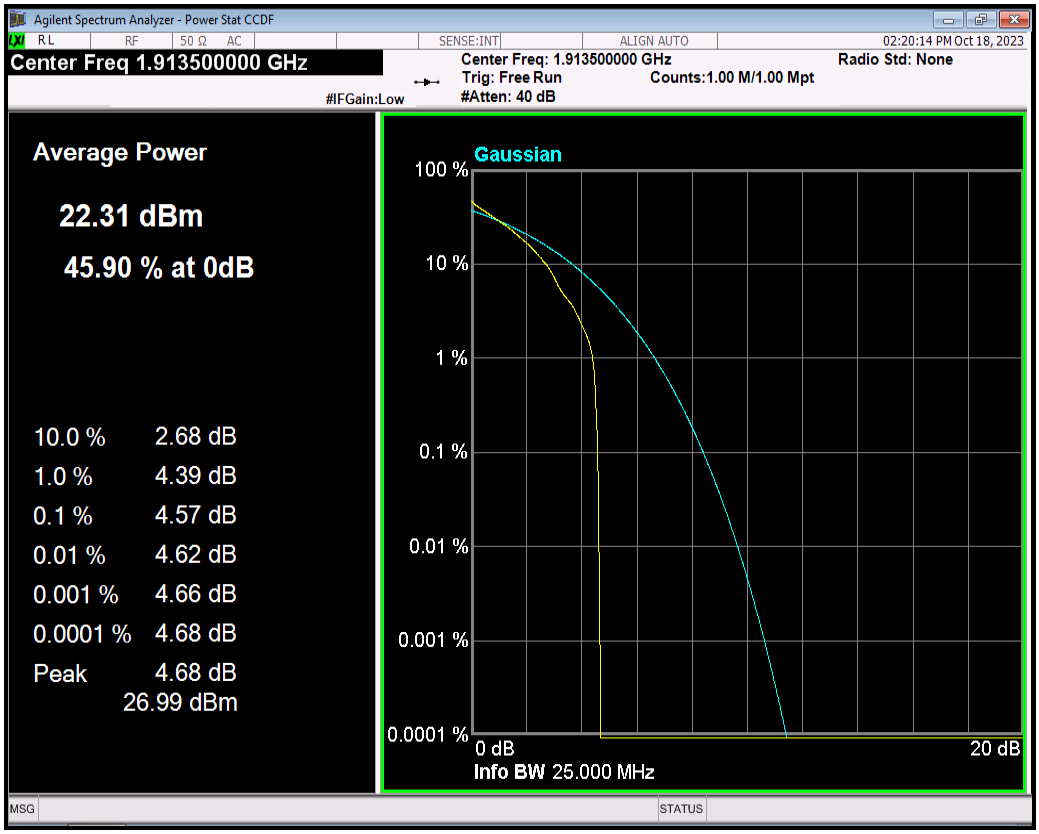
Band25 QPSK BW=3MHz Channel=26365 RB Size=1 Position=#0



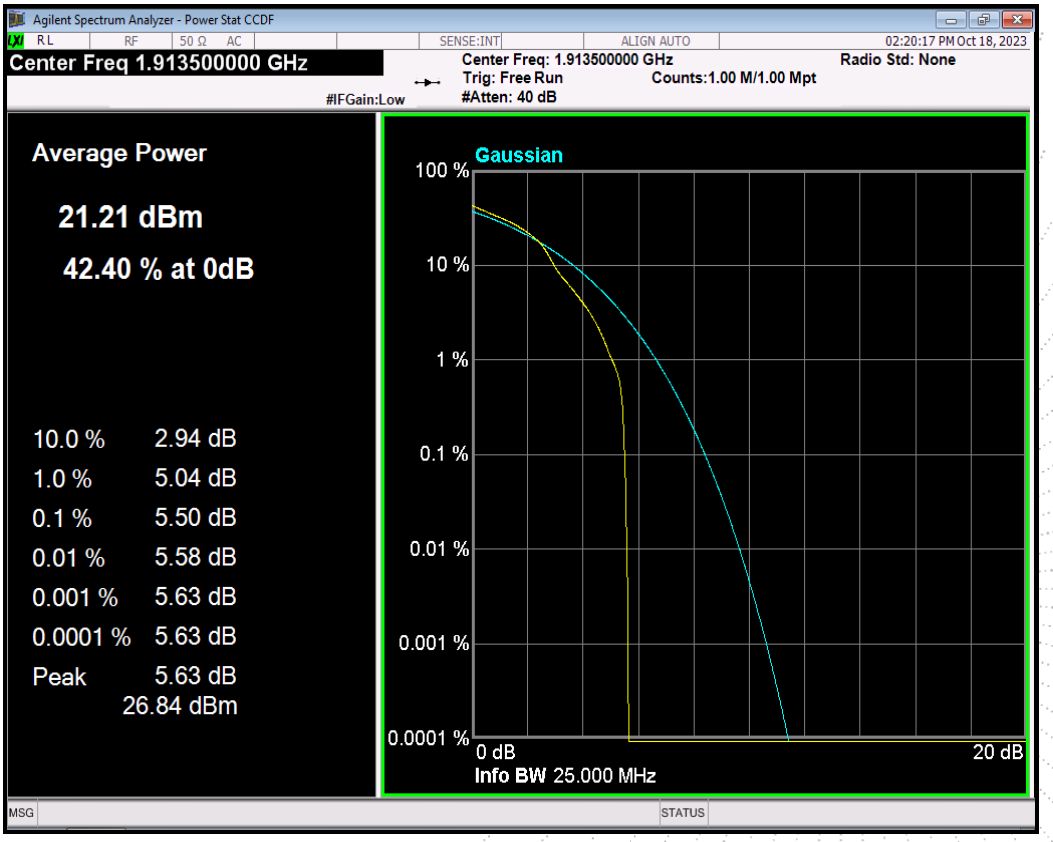
Band25 16QAM BW=3MHz Channel=26365 RB Size=1 Position=#0



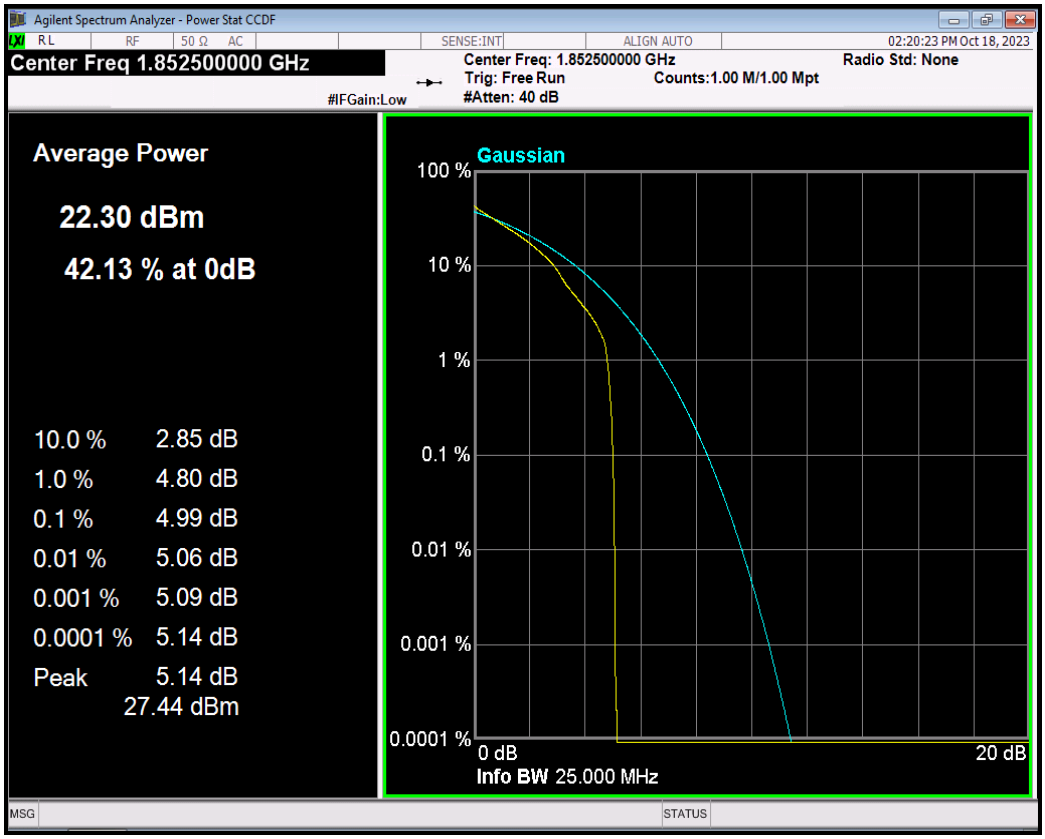
Band25 QPSK BW=3MHz Channel=26675 RB Size=1 Position=#0



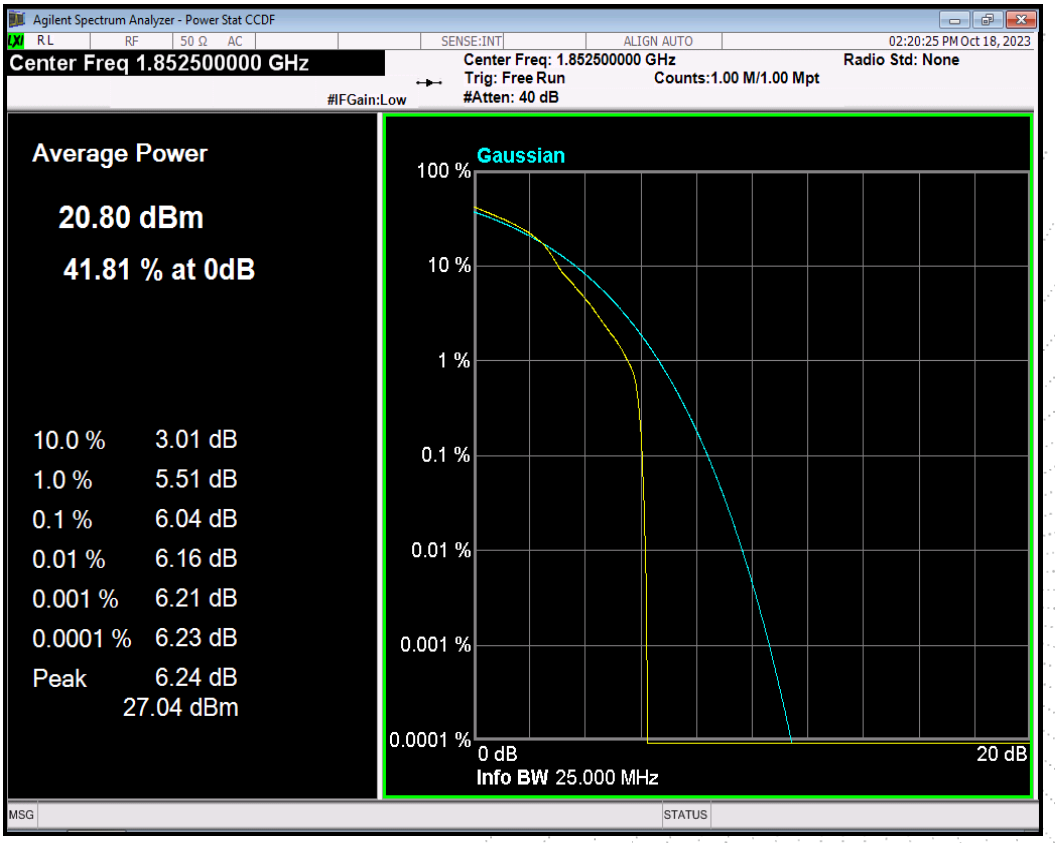
Band25 16QAM BW=3MHz Channel=26675 RB Size=1 Position=#0



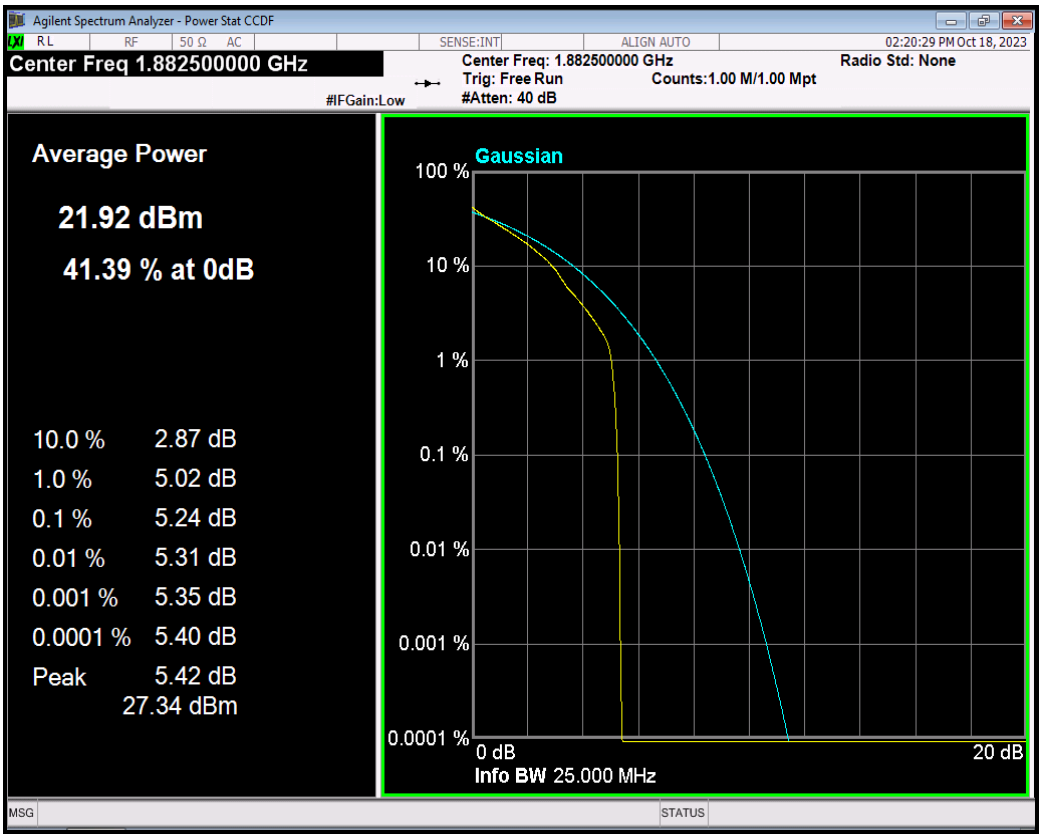
Band25 QPSK BW=5MHz Channel=26065 RB Size=1 Position=#0



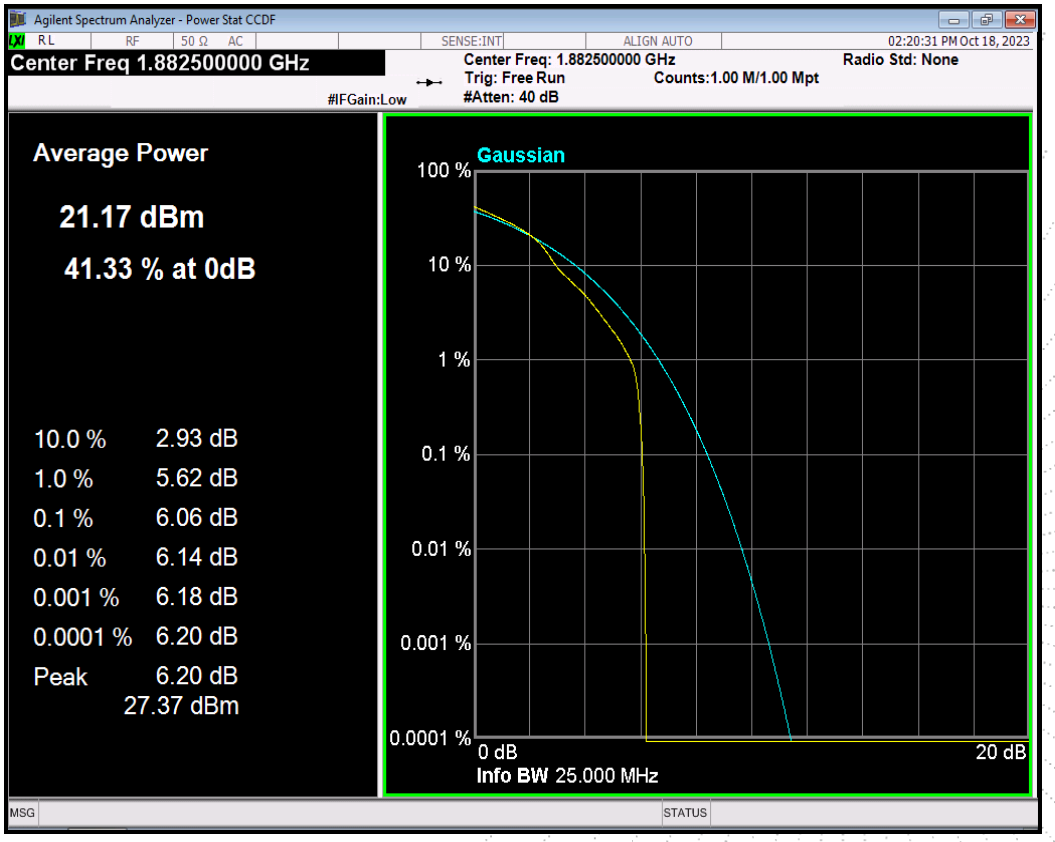
Band25 16QAM BW=5MHz Channel=26065 RB Size=1 Position=#0



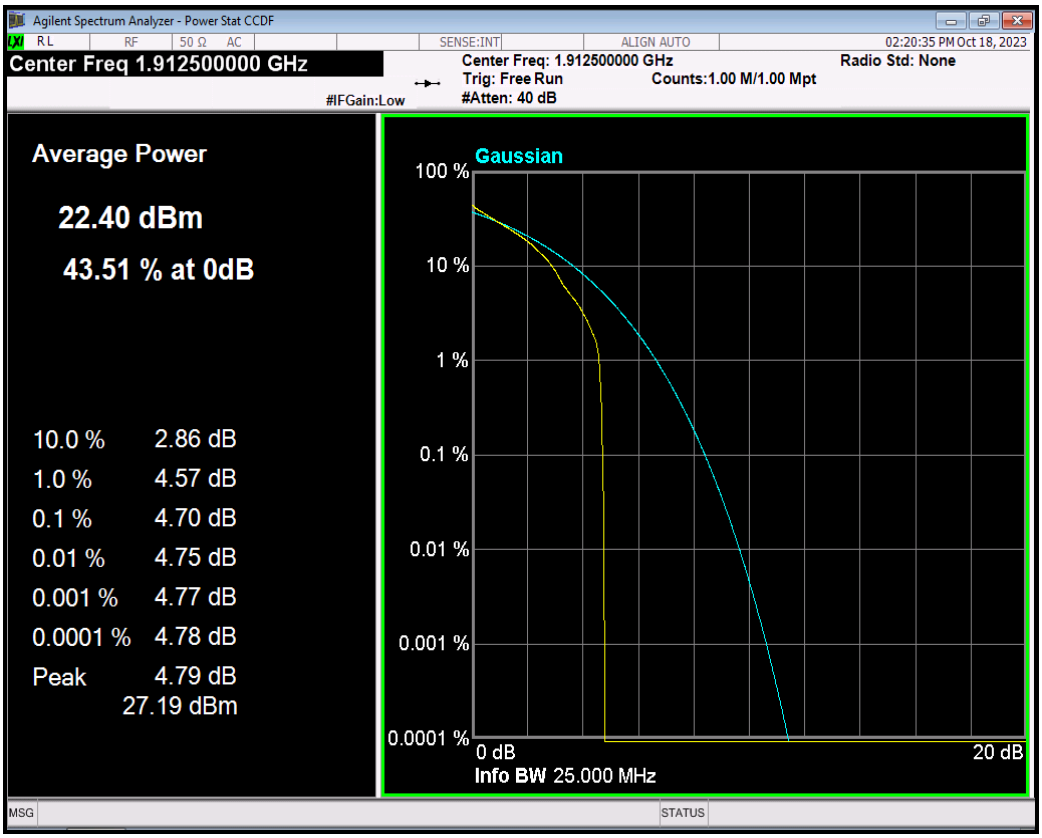
Band25 QPSK BW=5MHz Channel=26365 RB Size=1 Position=#0



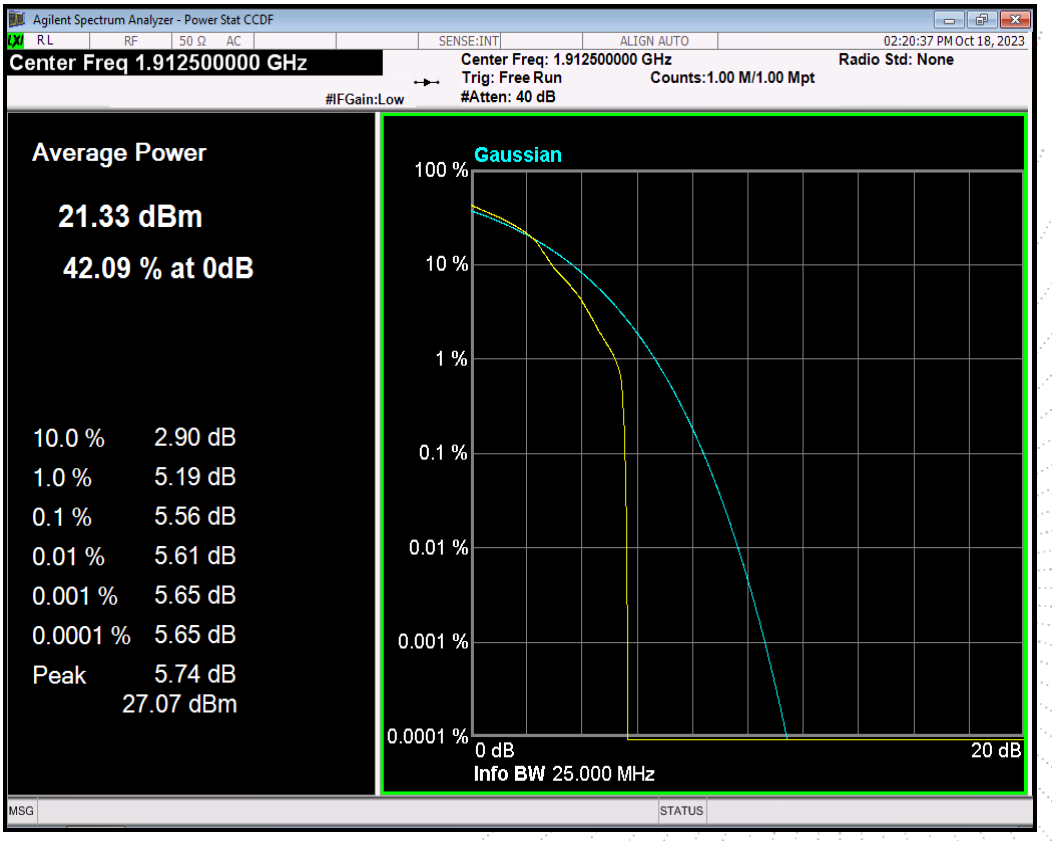
Band25 16QAM BW=5MHz Channel=26365 RB Size=1 Position=#0



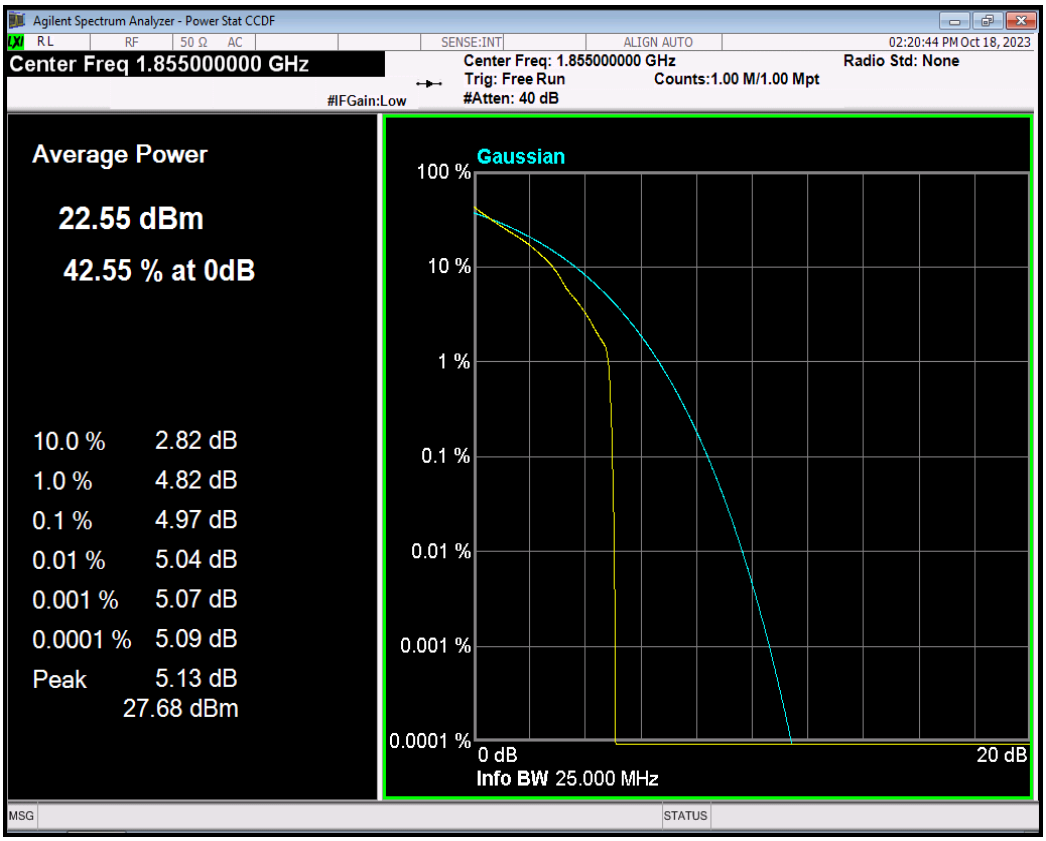
Band25 QPSK BW=5MHz Channel=26665 RB Size=1 Position=#0



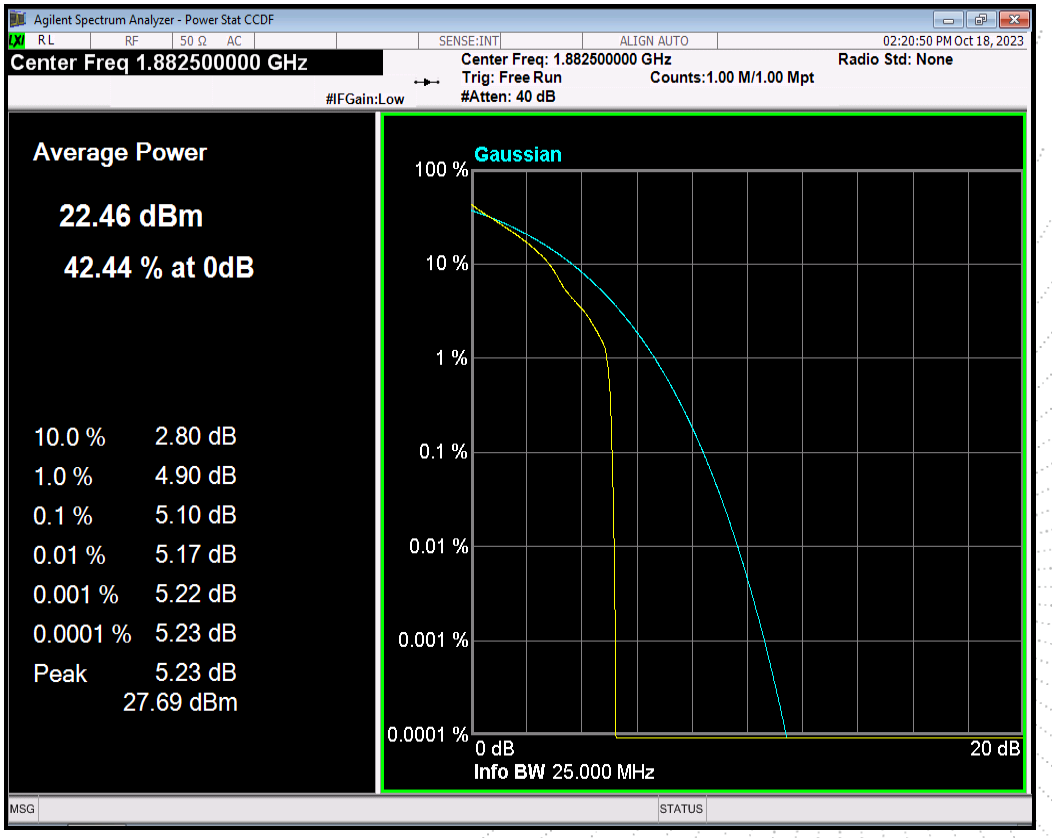
Band25 16QAM BW=5MHz Channel=26665 RB Size=1 Position=#0



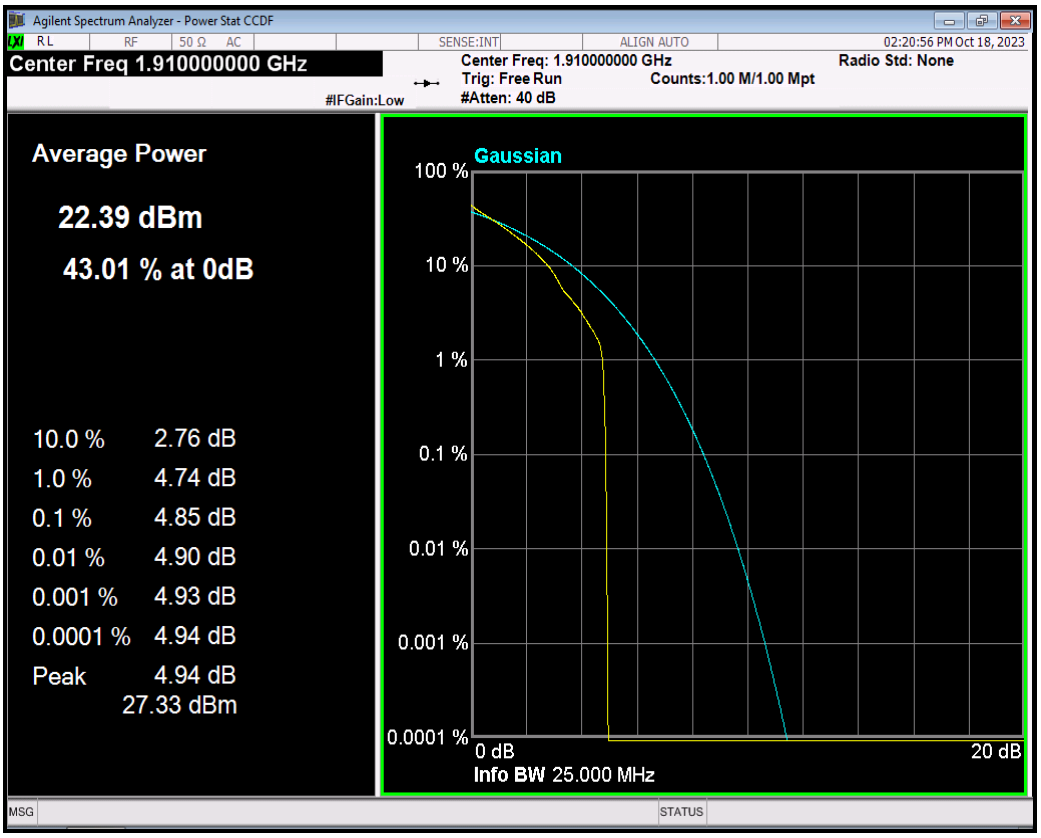
Band25 QPSK BW=10MHz Channel=26090 RB Size=1 Position=#0



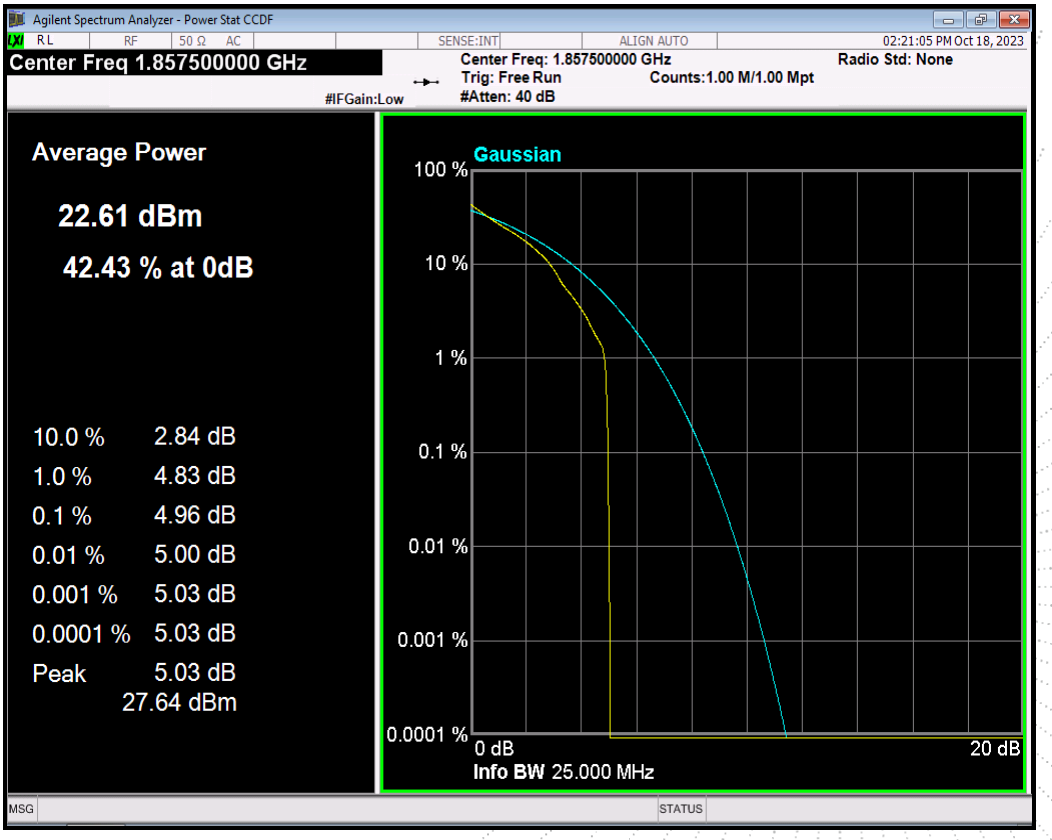
Band25 QPSK BW=10MHz Channel=26365 RB Size=1 Position=#0



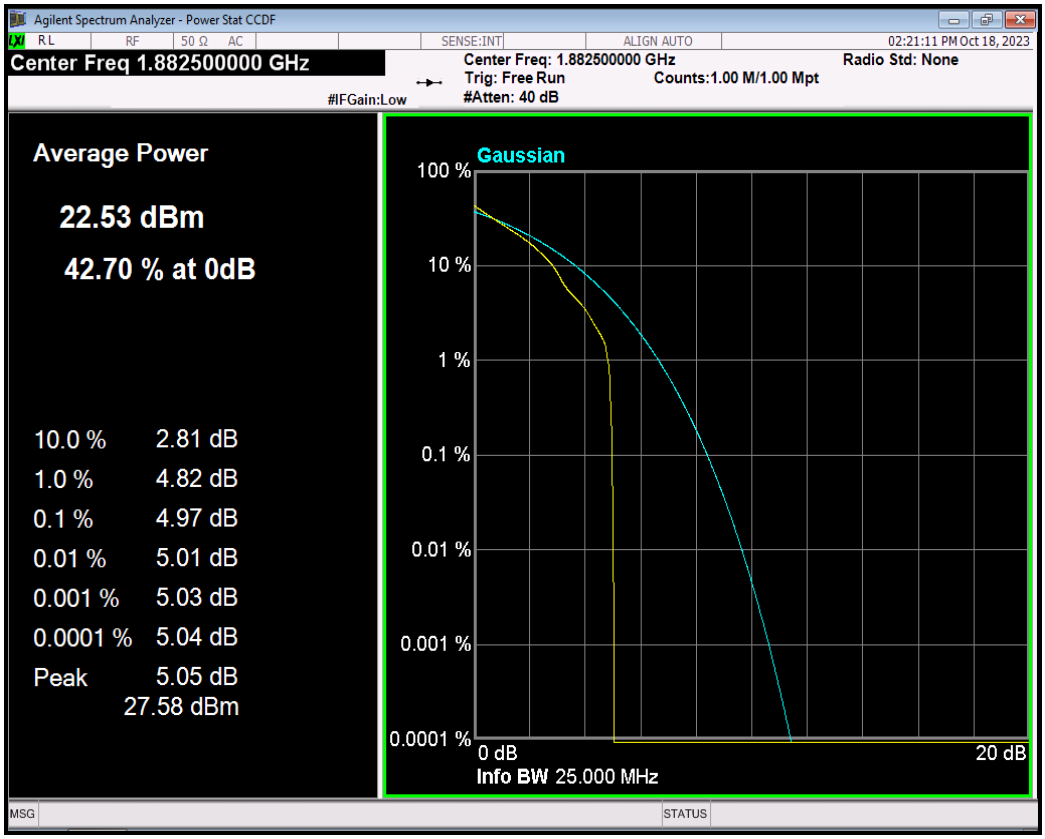
Band25 QPSK BW=10MHz Channel=26640 RB Size=1 Position=#0



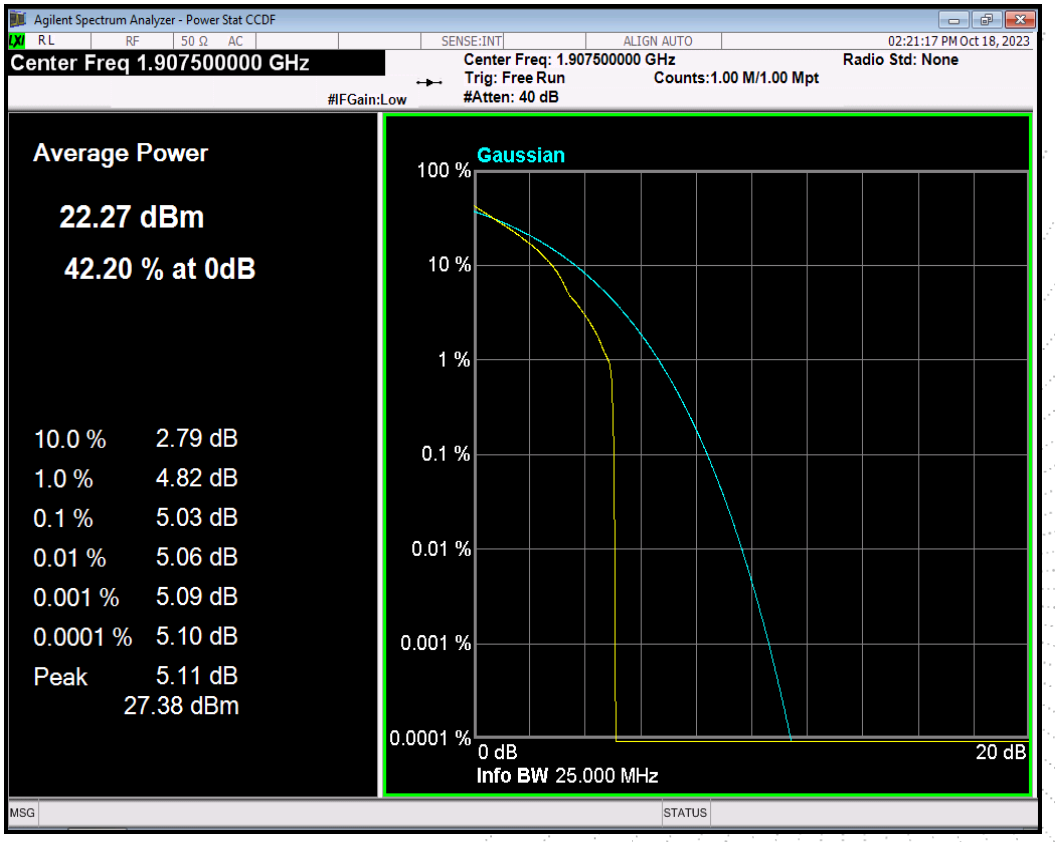
Band25 QPSK BW=15MHz Channel=26115 RB Size=1 Position=#0



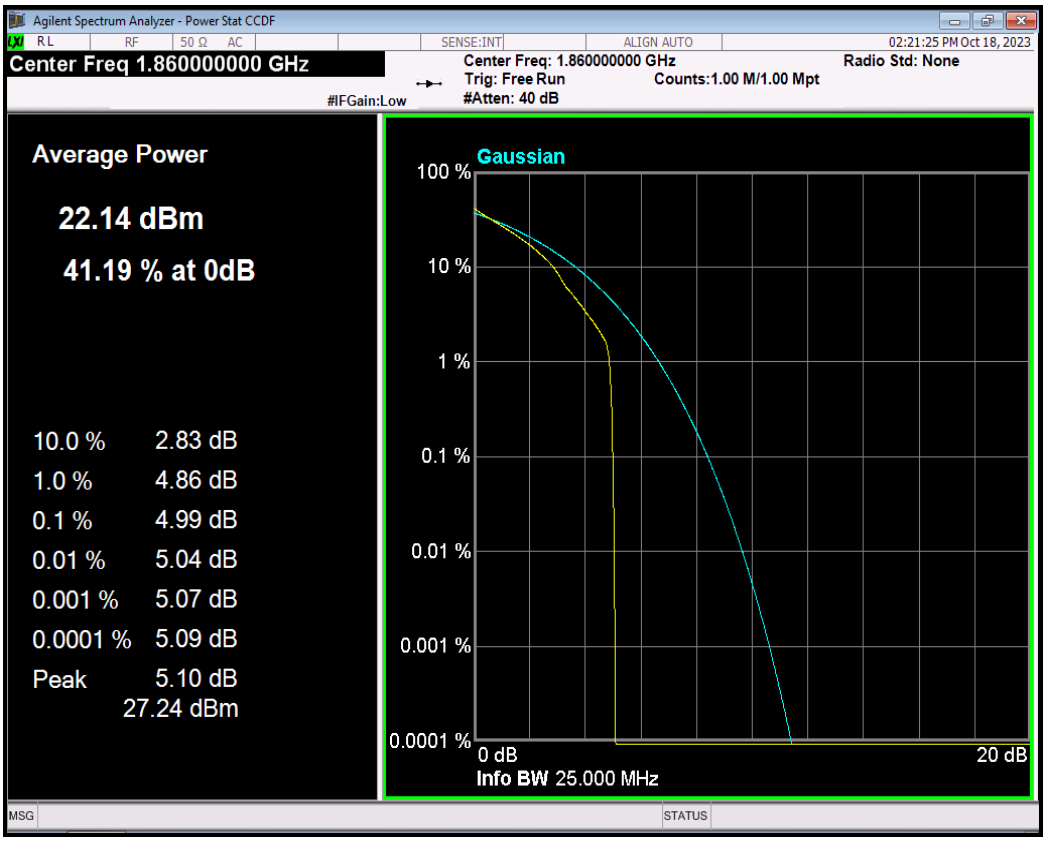
Band25 QPSK BW=15MHz Channel=26365 RB Size=1 Position=#0



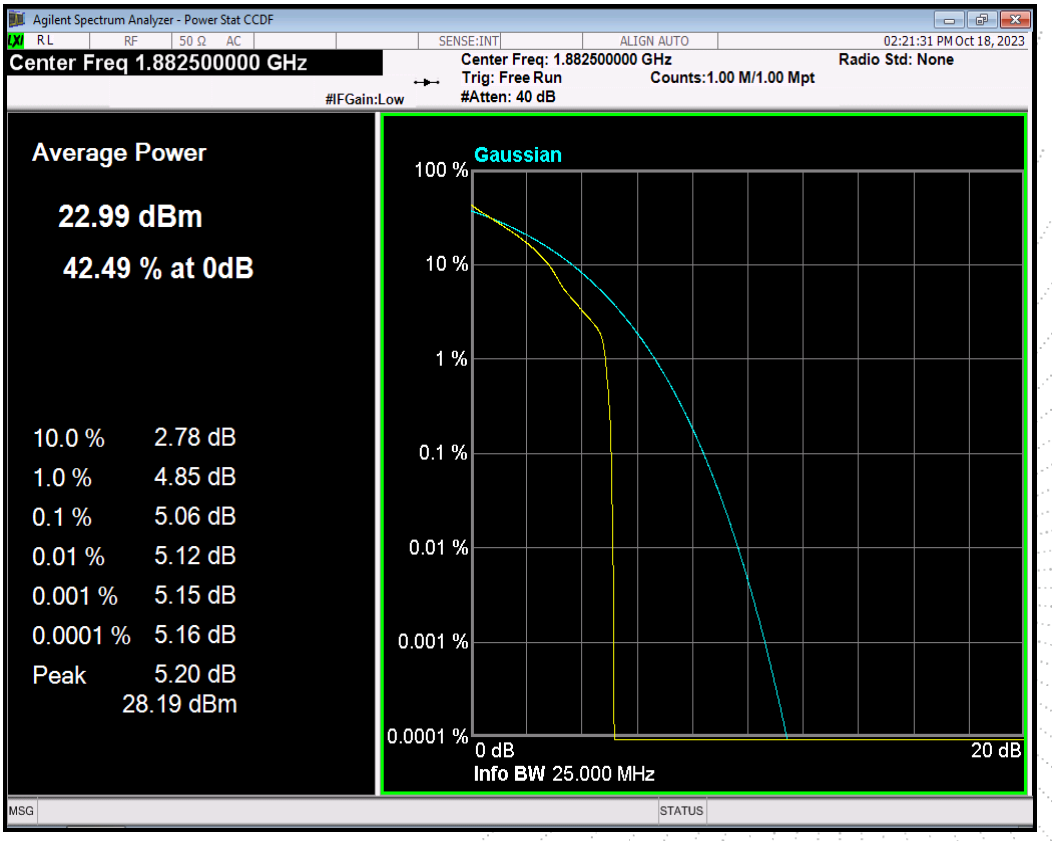
Band25 QPSK BW=15MHz Channel=26615 RB Size=1 Position=#0



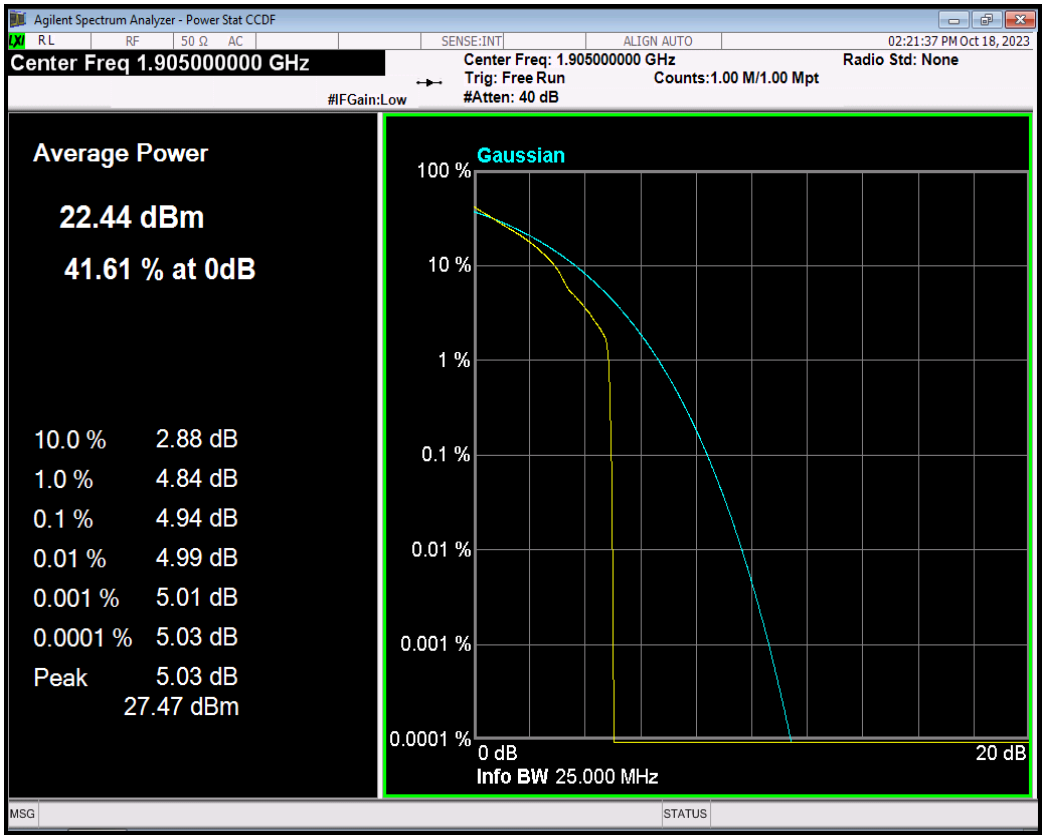
Band25 QPSK BW=20MHz Channel=26140 RB Size=1 Position=#0



Band25 QPSK BW=20MHz Channel=26365 RB Size=1 Position=#0



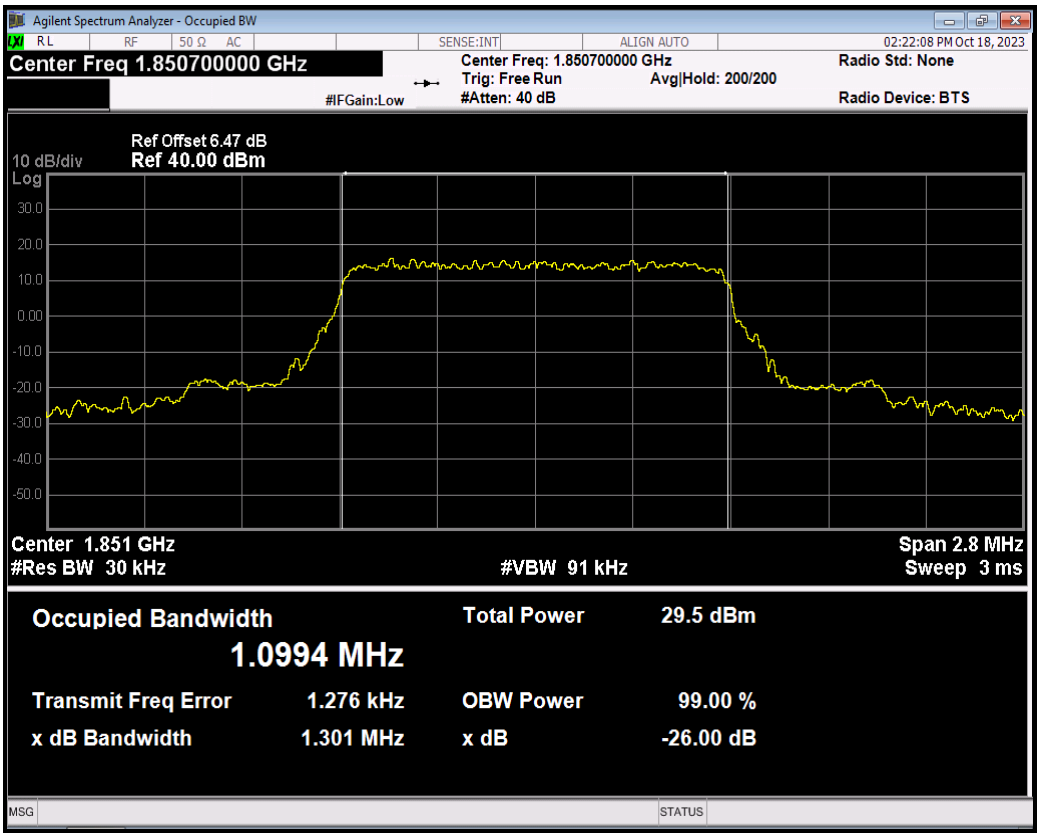
Band25 QPSK BW=20MHz Channel=26590 RB Size=1 Position=#0



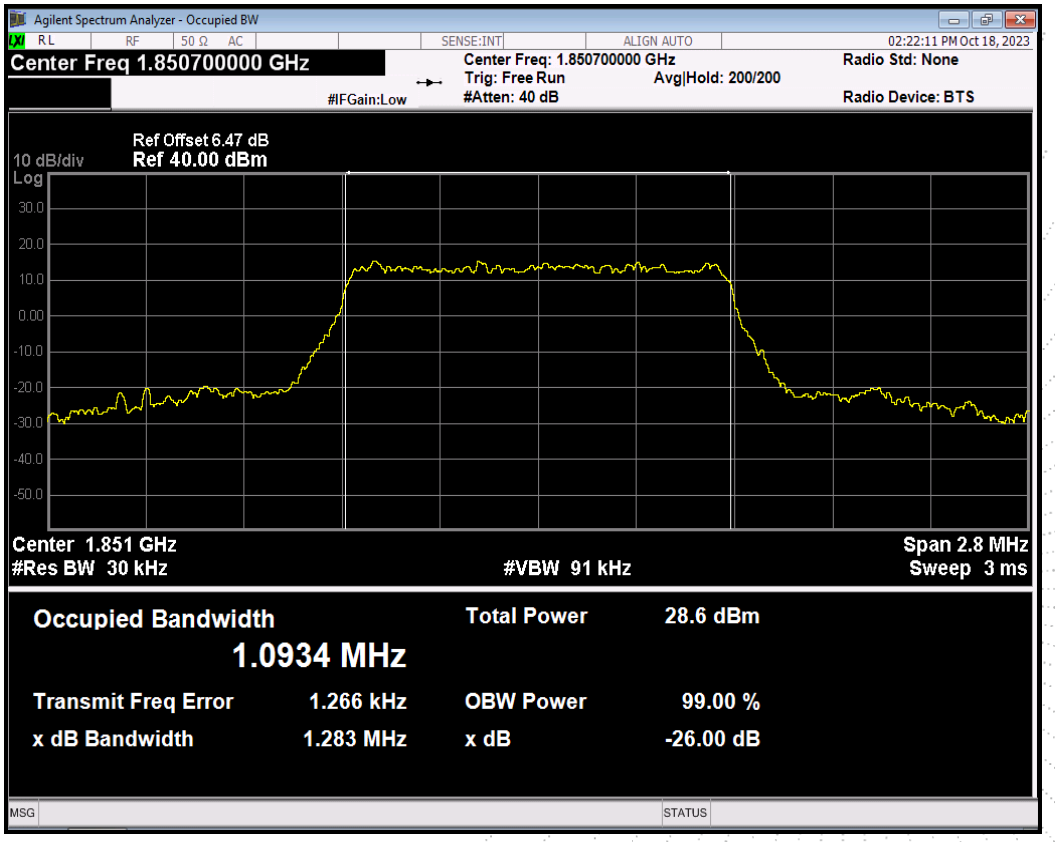
Appendix 4. Occupied bandwidth

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	99% OBW (MHz)	-26dB EBW (MHz)	Verdict
Band25	1.4	26047	6	#0	QPSK	1.099	1.301	PASS
Band25	1.4	26047	6	#0	16QAM	1.093	1.283	PASS
Band25	1.4	26365	6	#0	QPSK	1.109	1.277	PASS
Band25	1.4	26365	6	#0	16QAM	1.093	1.283	PASS
Band25	1.4	26683	6	#0	QPSK	1.098	1.301	PASS
Band25	1.4	26683	6	#0	16QAM	1.095	1.294	PASS
Band25	3	26055	15	#0	QPSK	2.702	3.018	PASS
Band25	3	26055	15	#0	16QAM	2.695	2.993	PASS
Band25	3	26365	15	#0	QPSK	2.716	2.968	PASS
Band25	3	26365	15	#0	16QAM	2.703	2.976	PASS
Band25	3	26675	15	#0	QPSK	2.704	2.991	PASS
Band25	3	26675	15	#0	16QAM	2.705	2.995	PASS
Band25	5	26065	25	#0	QPSK	4.536	5.013	PASS
Band25	5	26065	25	#0	16QAM	4.527	4.979	PASS
Band25	5	26365	25	#0	QPSK	4.517	4.965	PASS
Band25	5	26365	25	#0	16QAM	4.512	4.976	PASS
Band25	5	26665	25	#0	QPSK	4.511	4.920	PASS
Band25	5	26665	25	#0	16QAM	4.515	4.954	PASS
Band25	10	26090	50	#0	QPSK	8.981	9.893	PASS
Band25	10	26365	50	#0	QPSK	8.959	9.817	PASS
Band25	10	26640	50	#0	QPSK	8.949	9.714	PASS
Band25	15	26115	75	#0	QPSK	13.432	14.703	PASS
Band25	15	26365	75	#0	QPSK	13.456	14.686	PASS
Band25	15	26615	75	#0	QPSK	13.338	14.378	PASS
Band25	20	26140	100	#0	QPSK	17.869	19.254	PASS
Band25	20	26365	100	#0	QPSK	17.909	19.297	PASS
Band25	20	26590	100	#0	QPSK	17.796	19.291	PASS

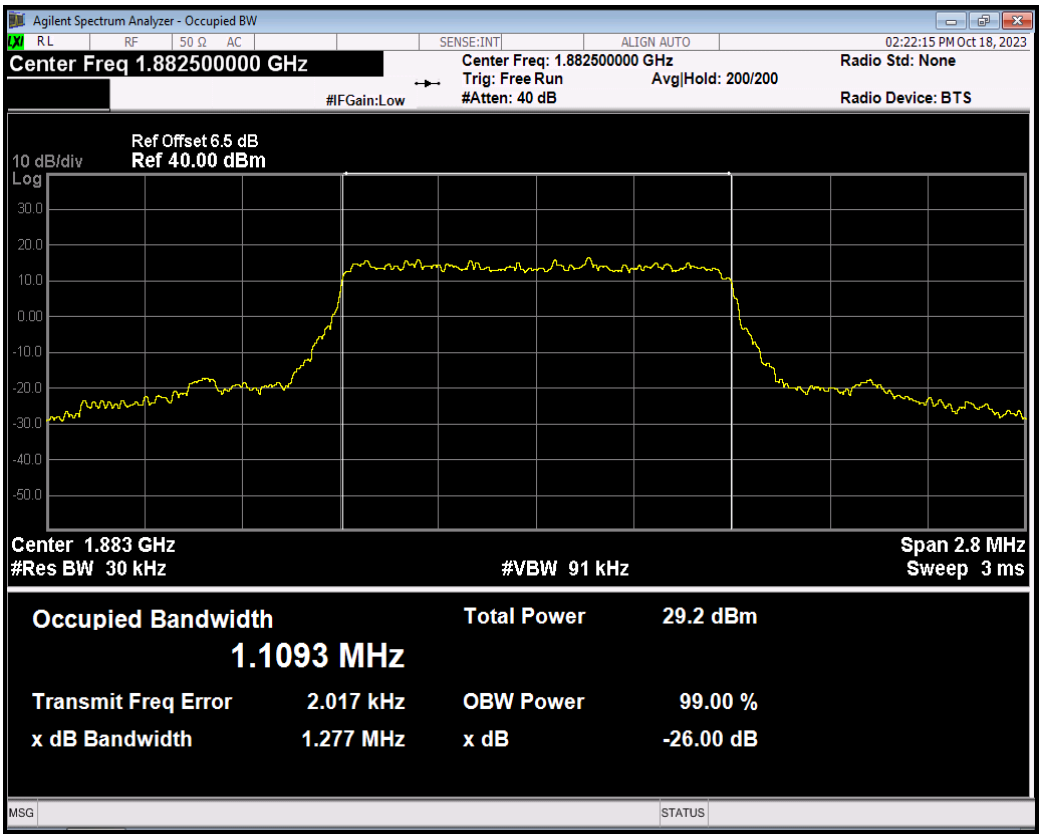
Band25 QPSK BW=1.4MHz Channel=26047 RB Size=6 Position=#0



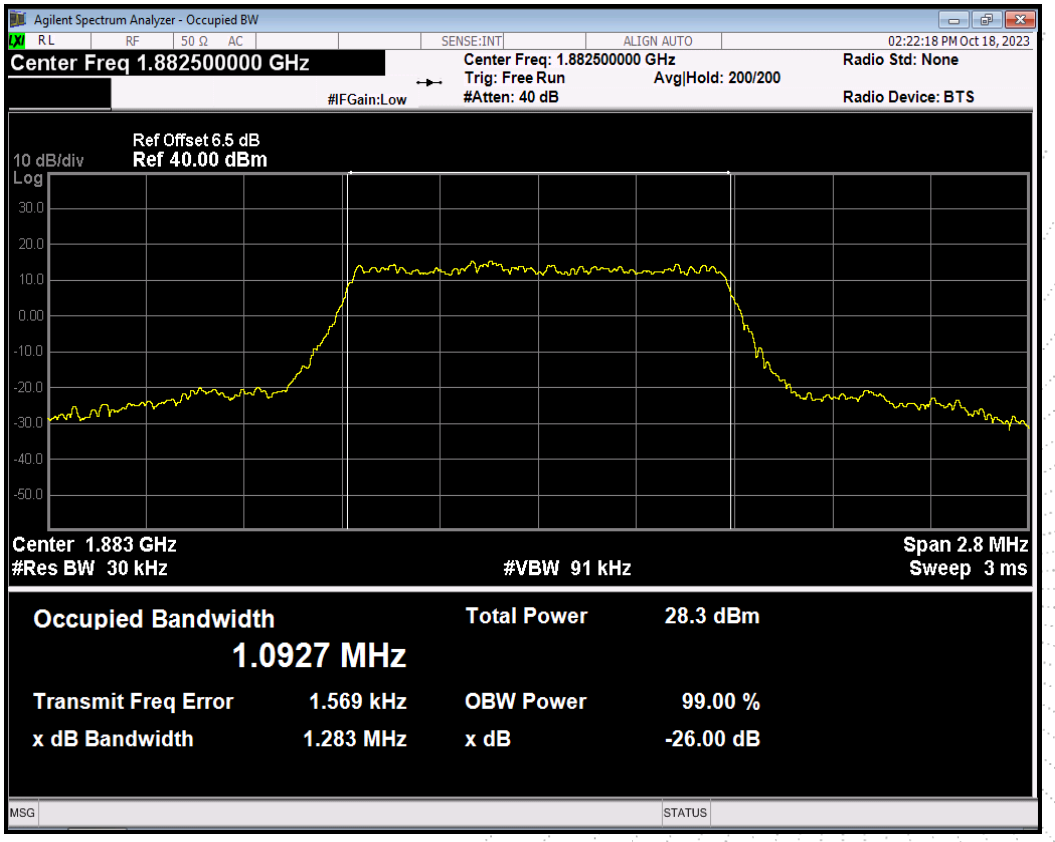
Band25 16QAM BW=1.4MHz Channel=26047 RB Size=6 Position=#0



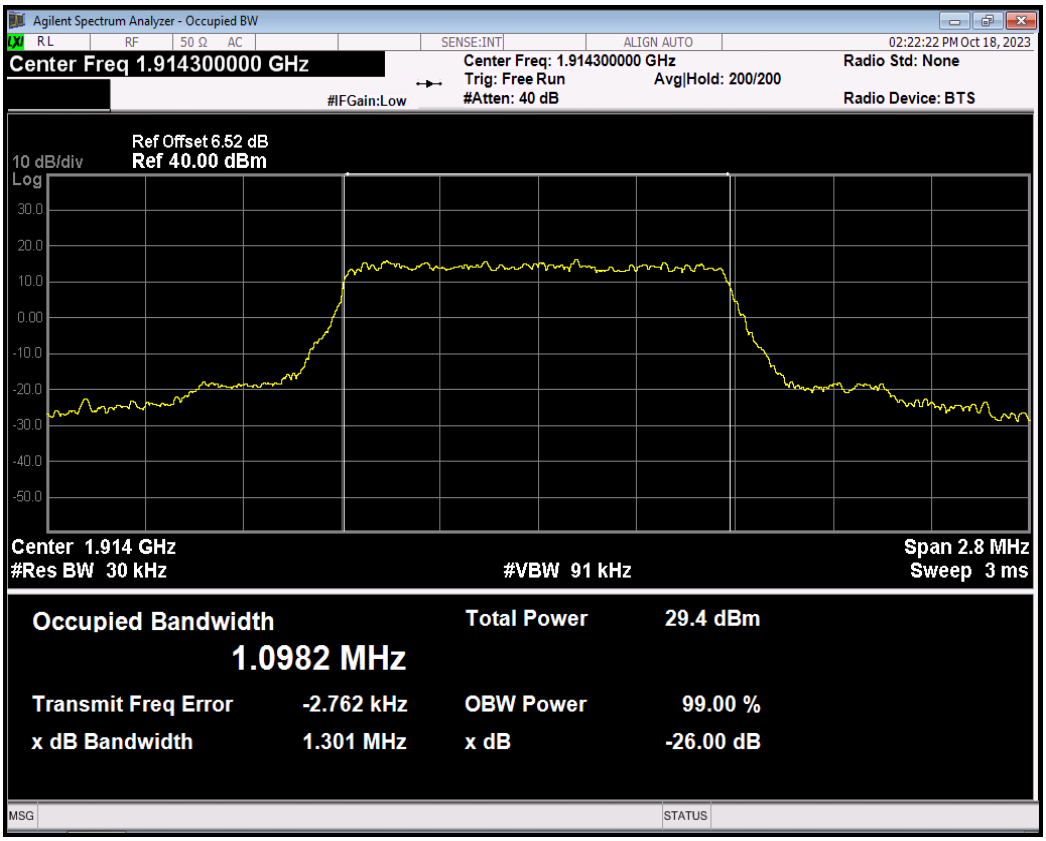
Band25 QPSK BW=1.4MHz Channel=26365 RB Size=6 Position=#0



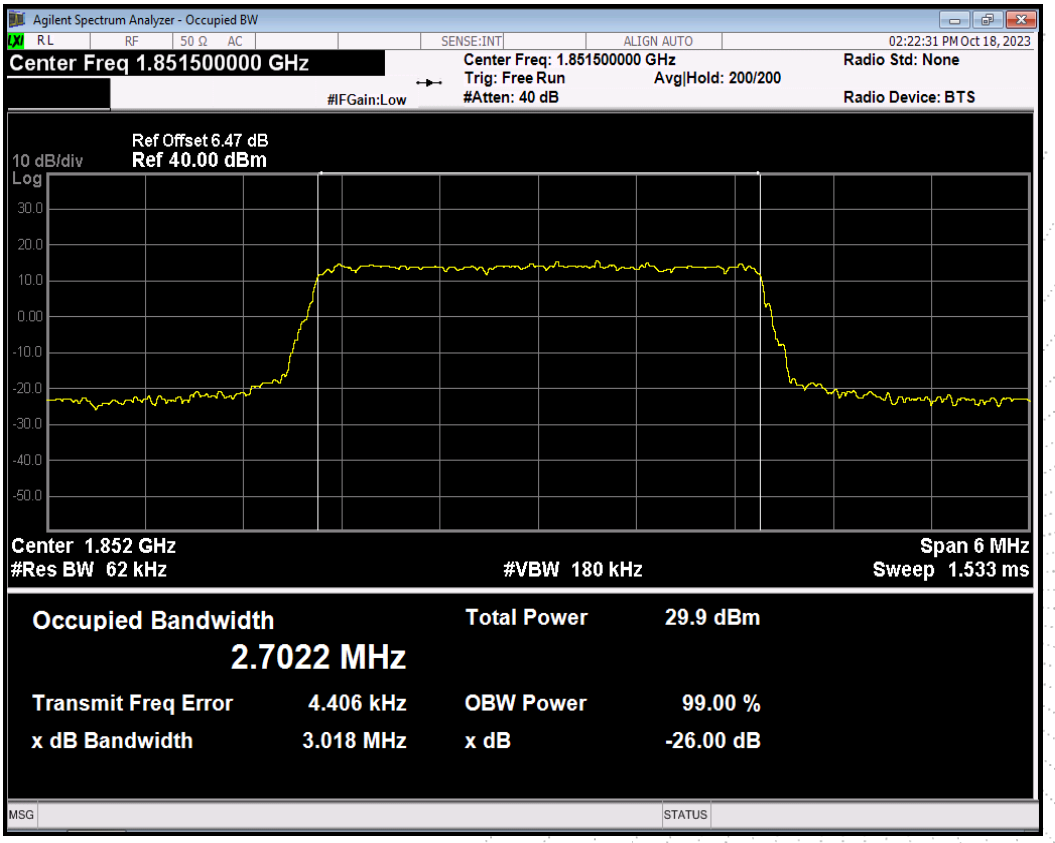
Band25 16QAM BW=1.4MHz Channel=26365 RB Size=6 Position=#0



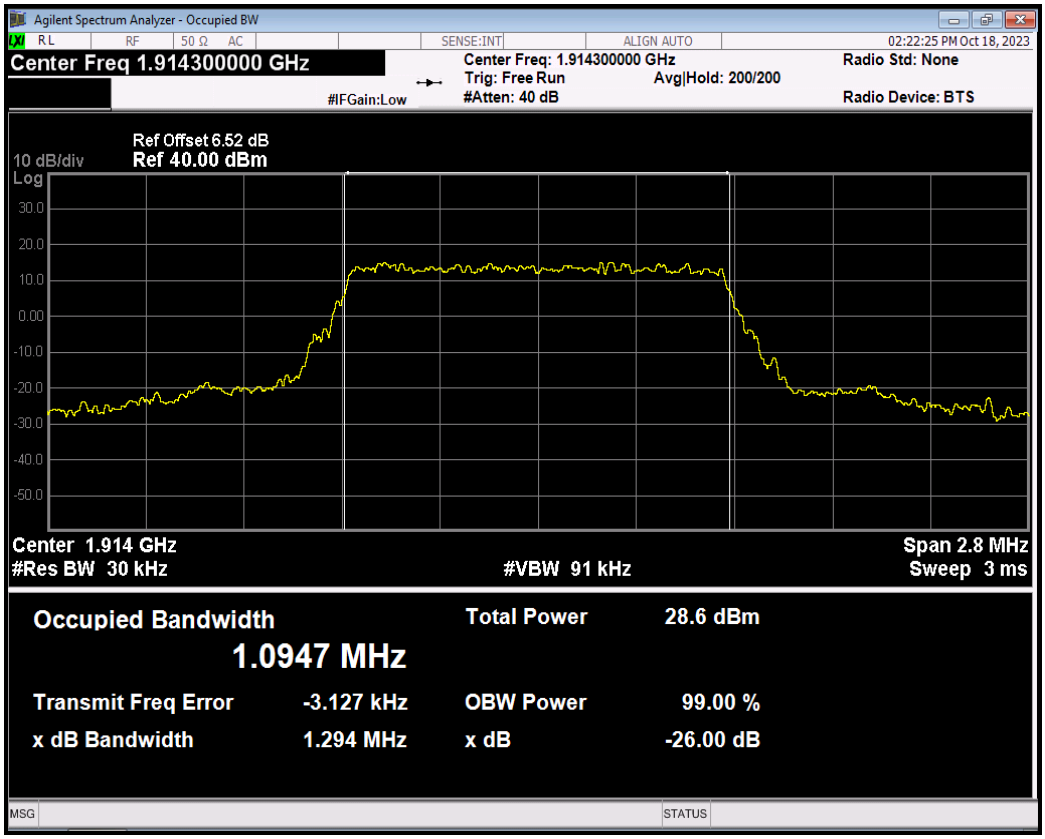
Band25 QPSK BW=1.4MHz Channel=26683 RB Size=6 Position=#0



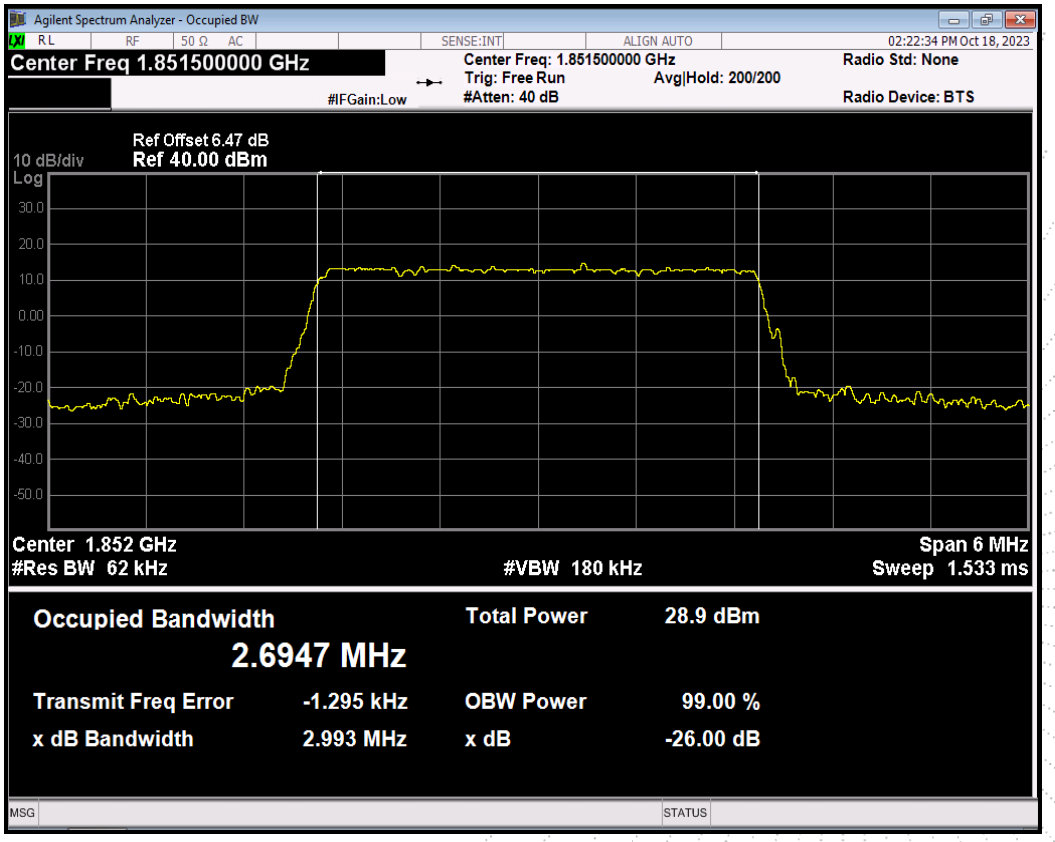
Band25 QPSK BW=3MHz Channel=26055 RB Size=15 Position=#0



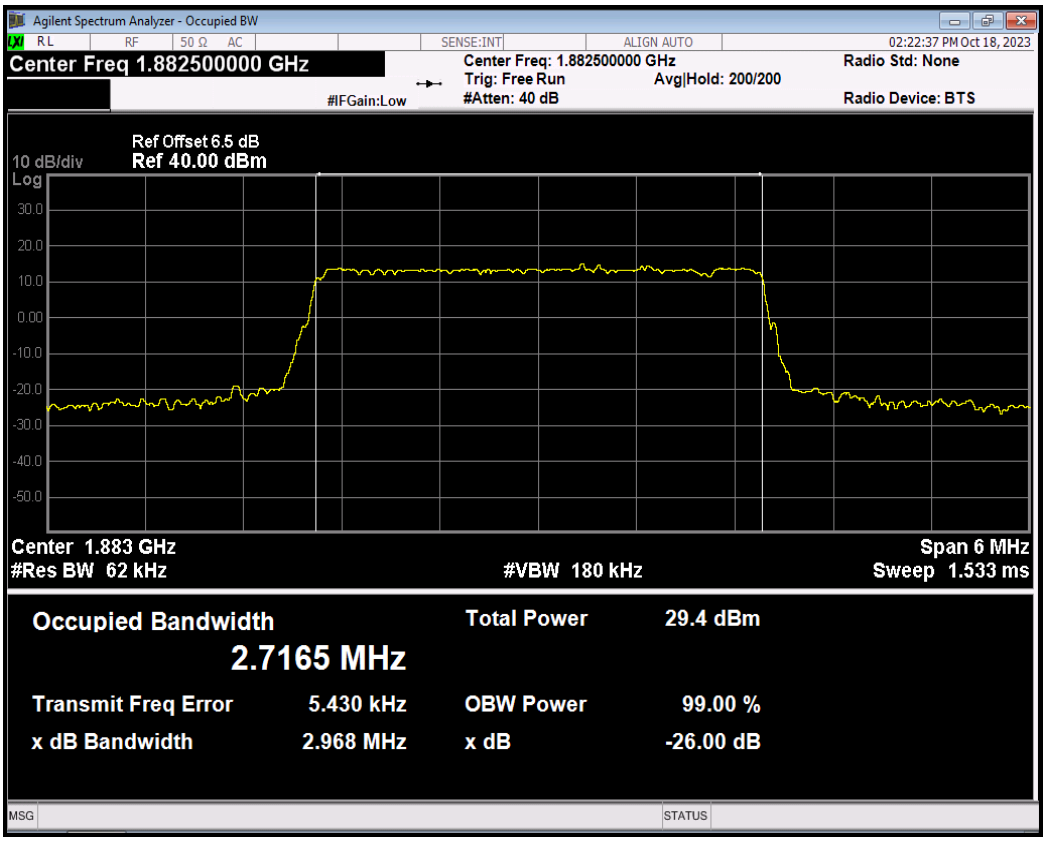
Band25 16QAM BW=1.4MHz Channel=26683 RB Size=6 Position=#0



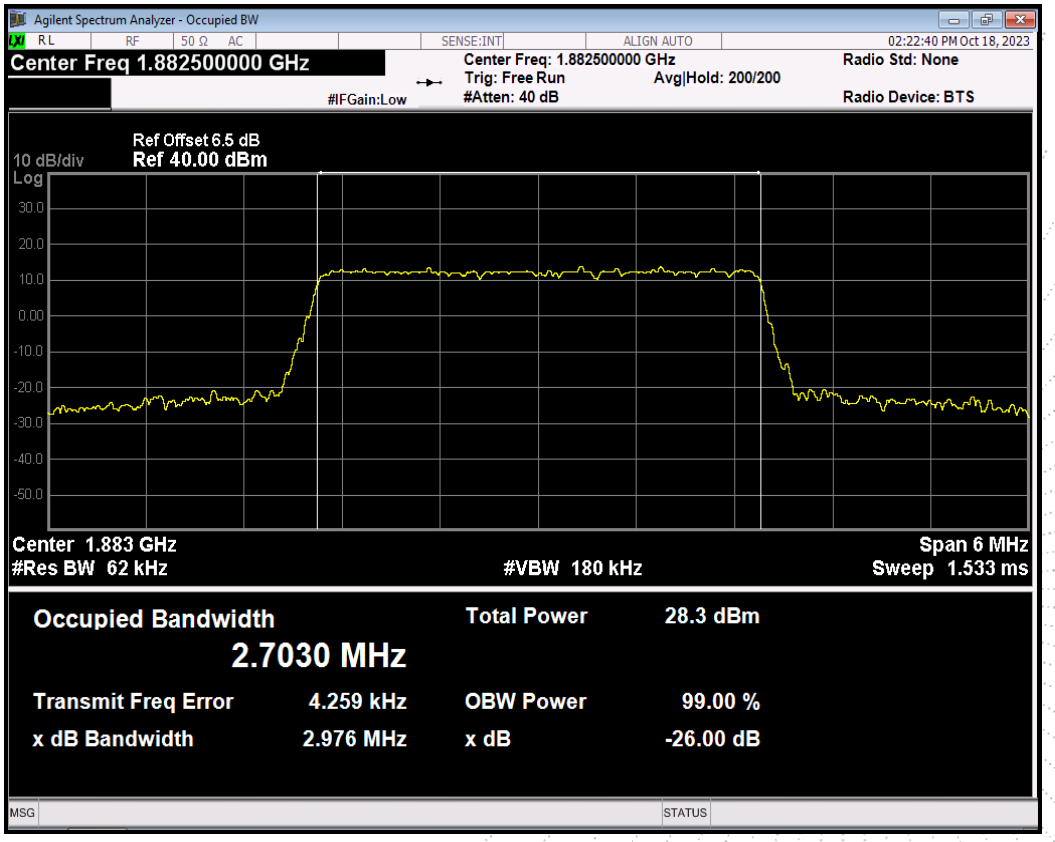
Band25 16QAM BW=3MHz Channel=26055 RB Size=15 Position=#0



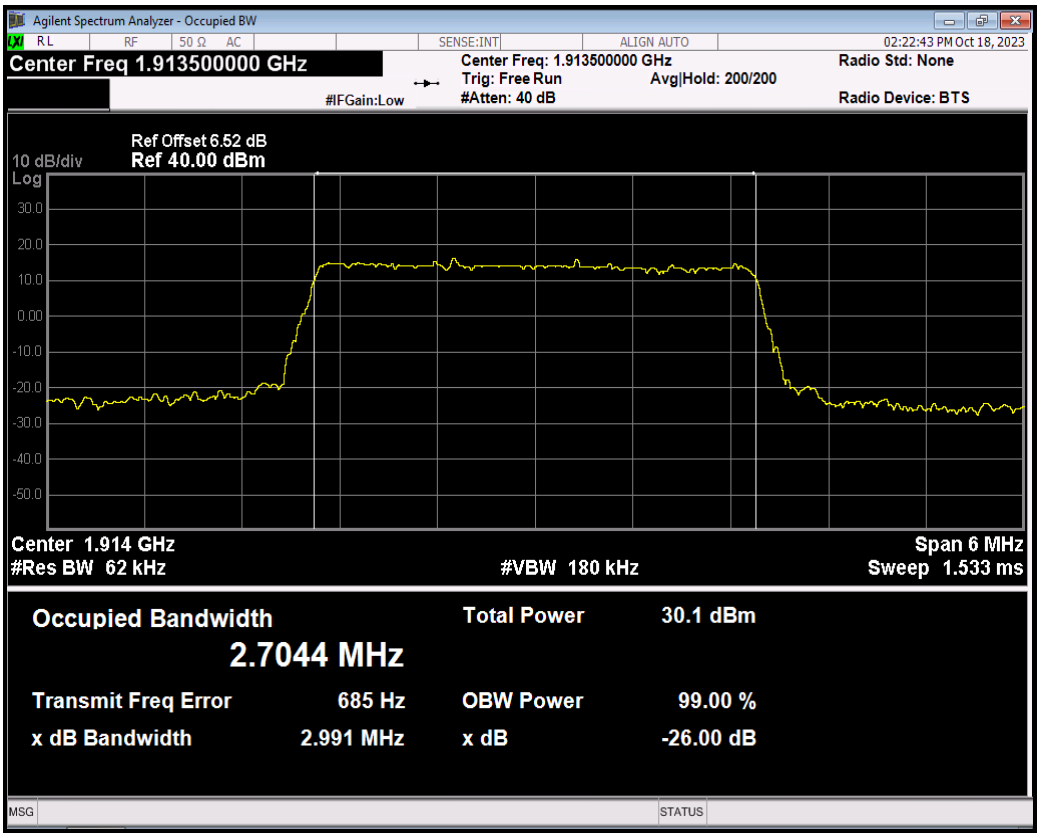
Band25 QPSK BW=3MHz Channel=26365 RB Size=15 Position=#0



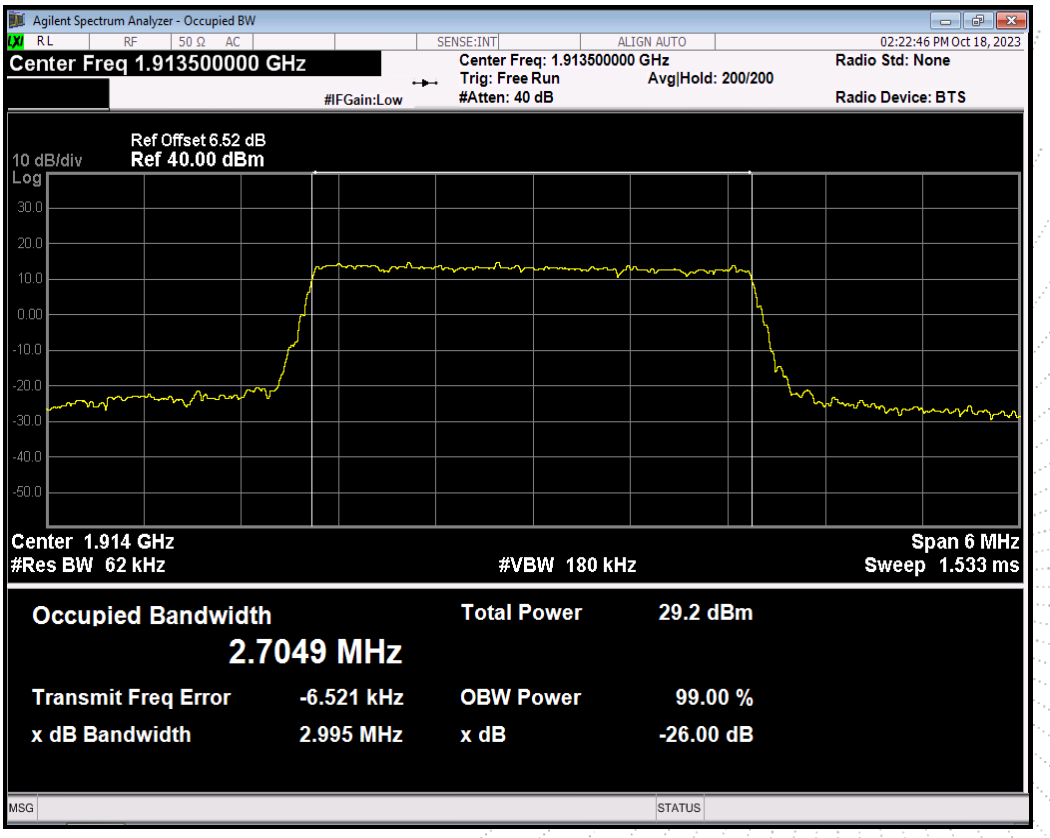
Band25 16QAM BW=3MHz Channel=26365 RB Size=15 Position=#0



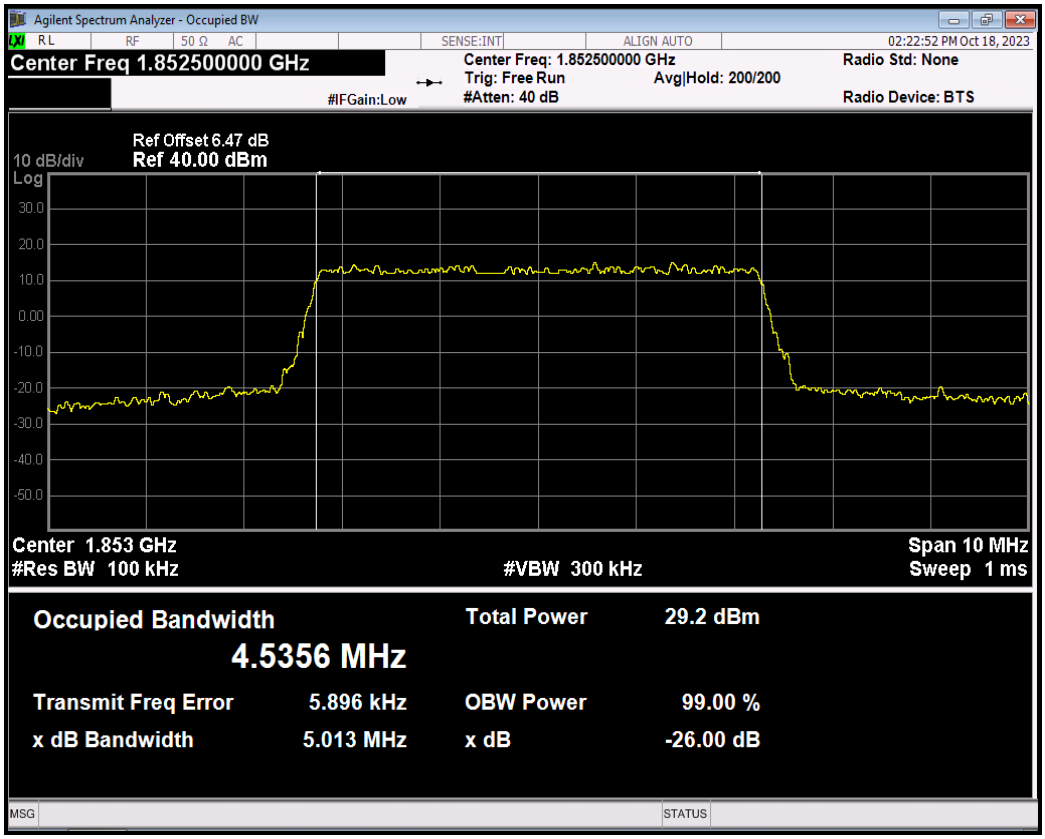
Band25 QPSK BW=3MHz Channel=26675 RB Size=15 Position=#0



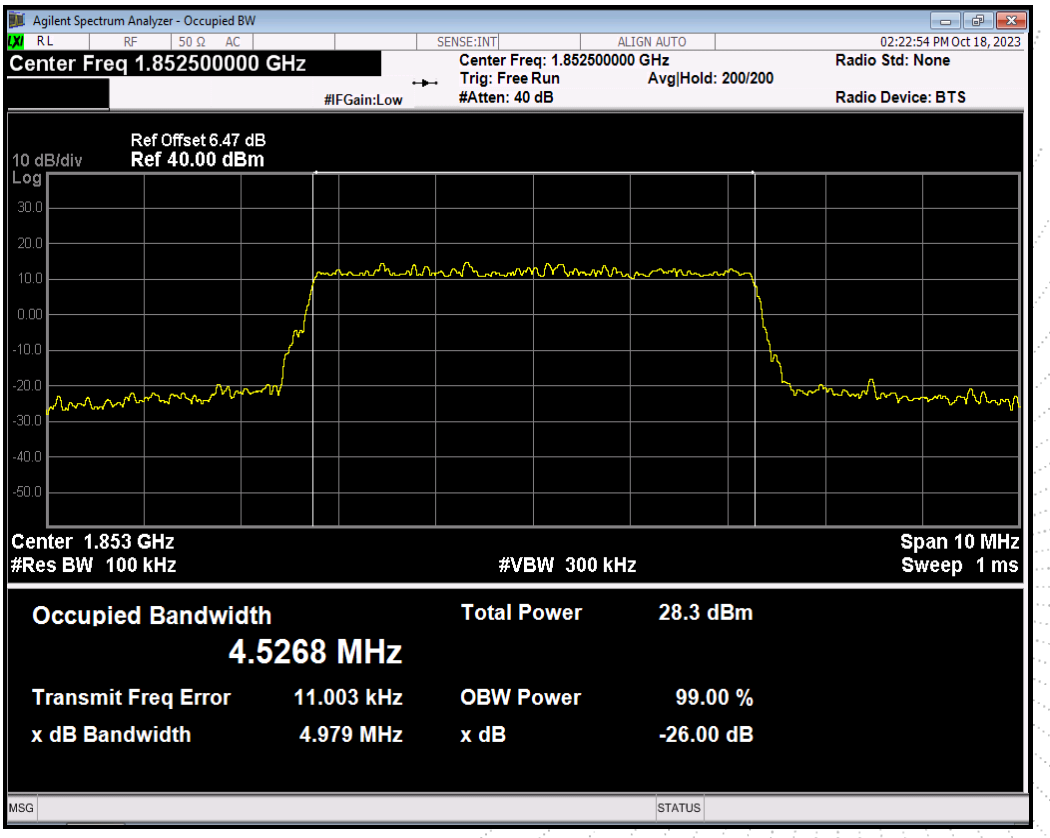
Band25 16QAM BW=3MHz Channel=26675 RB Size=15 Position=#0



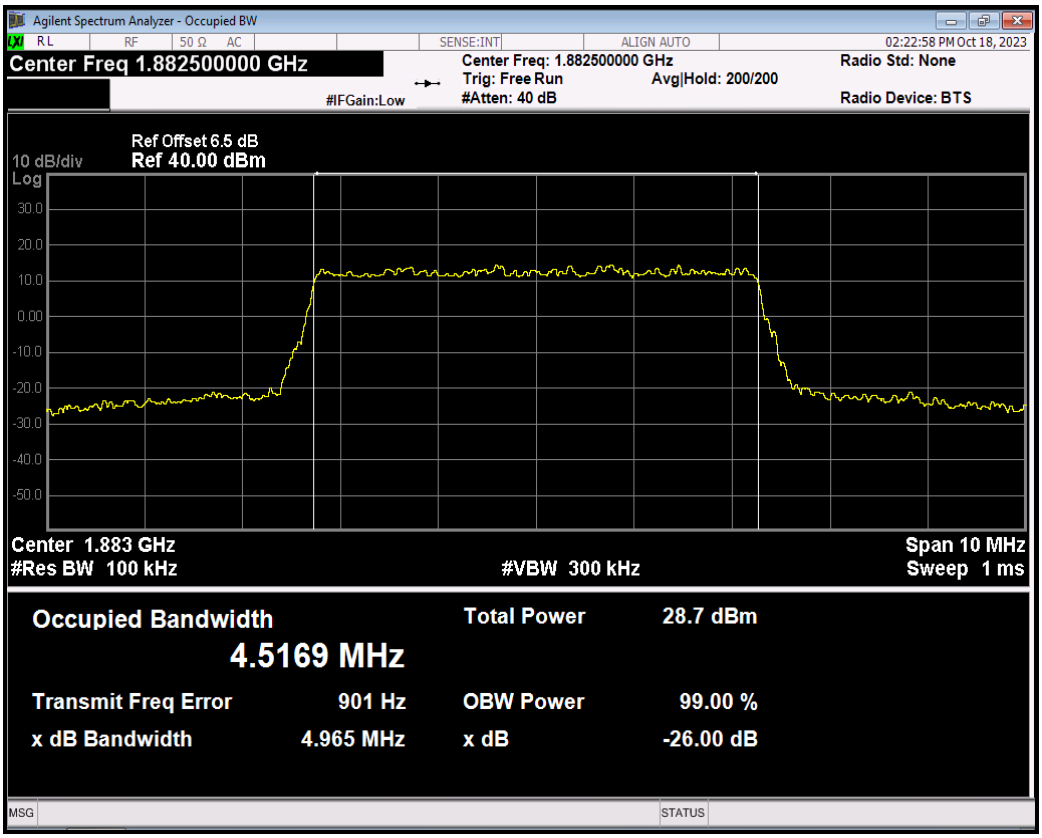
Band25 QPSK BW=5MHz Channel=26065 RB Size=25 Position=#0



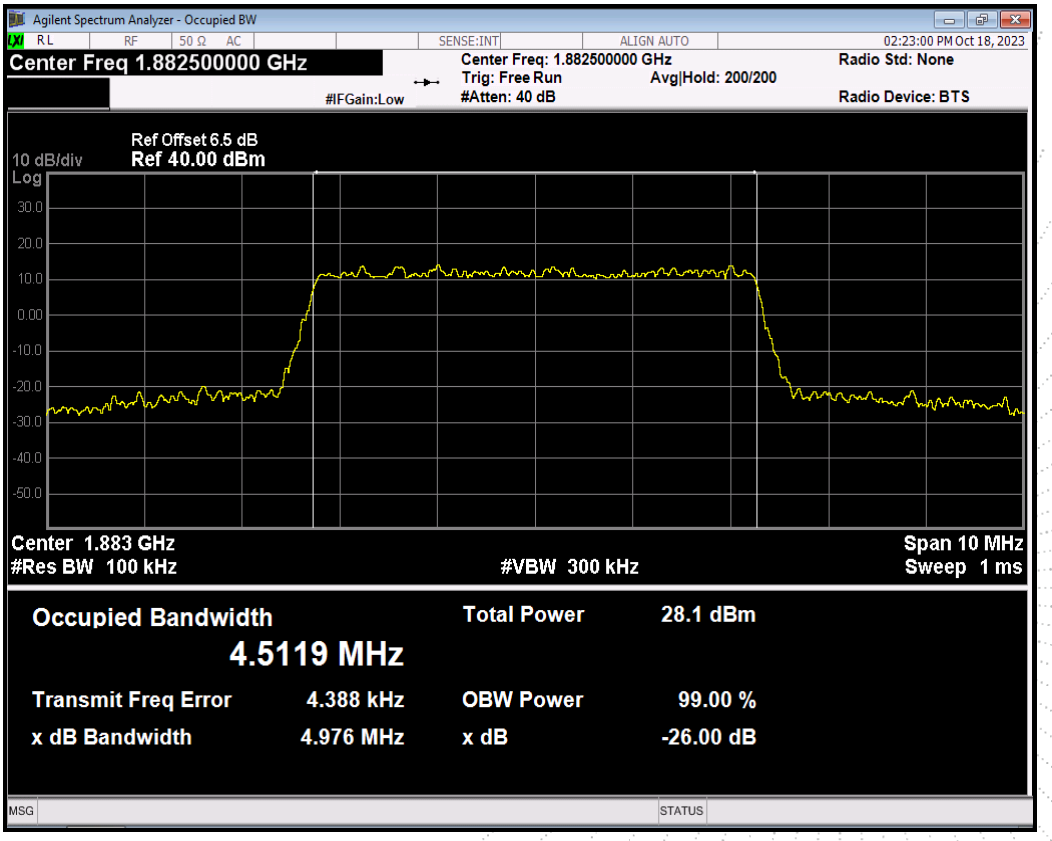
Band25 16QAM BW=5MHz Channel=26065 RB Size=25 Position=#0



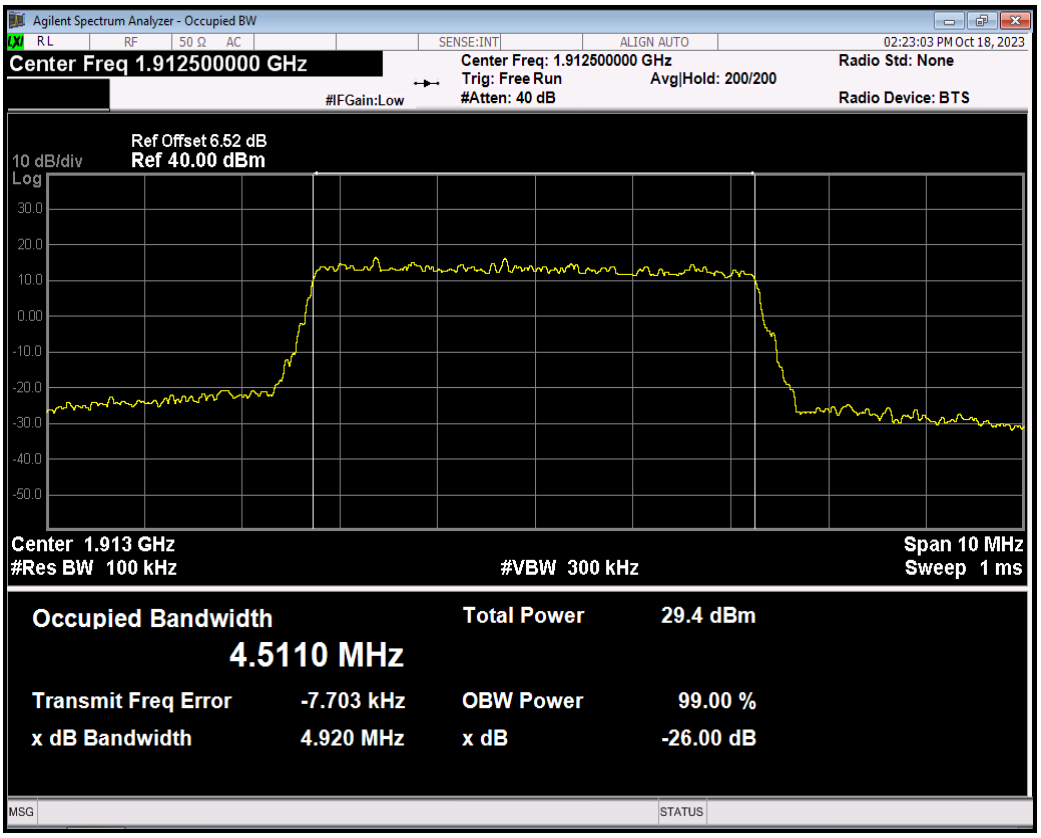
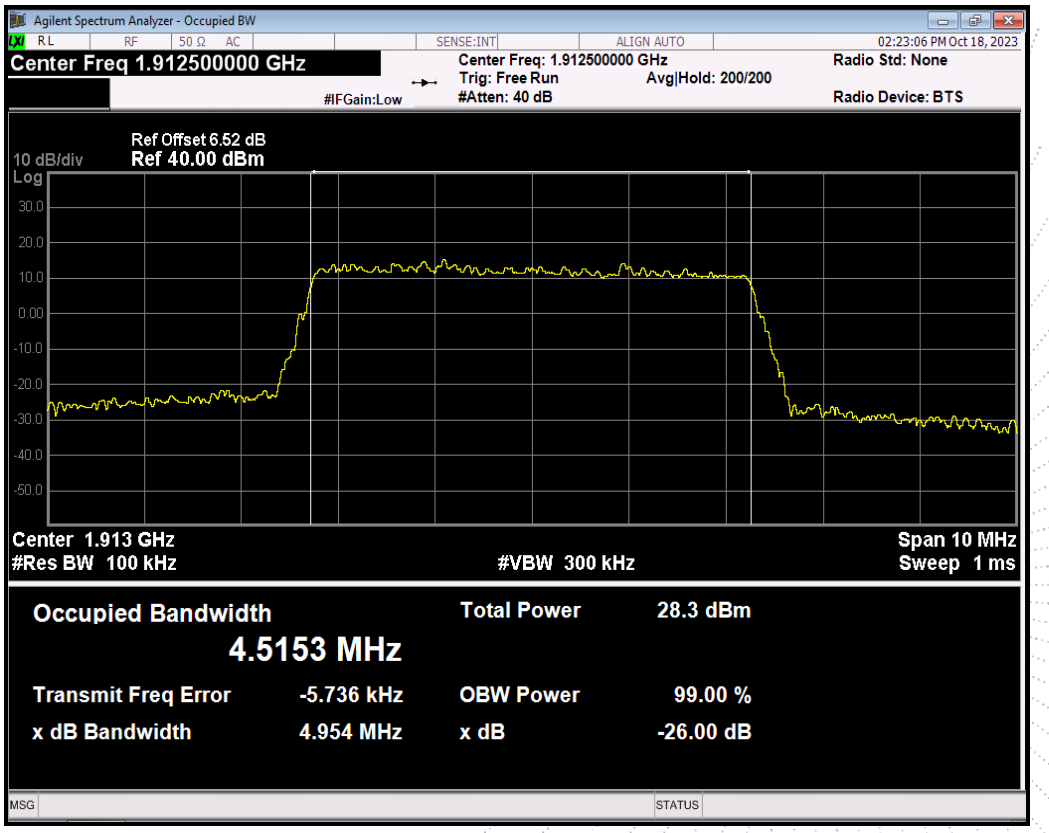
Band25 QPSK BW=5MHz Channel=26365 RB Size=25 Position=#0



Band25 16QAM BW=5MHz Channel=26365 RB Size=25 Position=#0



Band25 QPSK BW=5MHz Channel=26665 RB Size=25 Position=#0



Band25 16QAM BW=5MHz Channel=26665 RB Size=25 Position=#0